



Analytical Data Package

Prepared by:

Pace Analytical Services - Indiana

Pace Project No.: 5099688

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InOrganic

ICP

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July 08, 2014

Mr. Steve Stanford
Weaver Boos & Gordon
7121 Grape Road
Granger, IN 46530

RE: Project: Sibley-Accucast/2339-356-03-00
Pace Project No.: 5099688

Dear Mr. Stanford:

Enclosed are the analytical results for sample(s) received by the laboratory on June 21, 2014. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Lyle Cable
lyle.cable@pacelabs.com
Project Manager

Enclosures

cc: Mr. Alex Huang, Weaver Boos



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: Sibley-Accucast/2339-356-03-00
Pace Project No.: 5099688

Indiana Certification IDs

7726 Moller Road, Indianapolis, IN 46268
Illinois Certification #: 200074
Indiana Certification #: C-49-06
Kansas Certification #: E-10247

Kentucky UST Certification #: 0042
Louisiana/NELAP Certification #: 04076
Ohio VAP Certification #: CL-0065
West Virginia Certification #: 330

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SAMPLE SUMMARY

Project: Sibley-Accucast/2339-356-03-00

Pace Project No.: 5099688

Lab ID	Sample ID	Matrix	Date Collected	Date Received
5099688001	TMW-5(12-14)	Solid	06/20/14 13:20	06/21/14 10:54
5099688002	TMW-5(2-4)	Solid	06/20/14 12:45	06/21/14 10:54
5099688003	TMW-4(14-16)	Solid	06/20/14 12:45	06/21/14 10:54
5099688004	TMW-4(5-7)	Solid	06/20/14 11:55	06/21/14 10:54
5099688005	P-5(10-12)	Solid	06/20/14 11:05	06/21/14 10:54
5099688006	P-5(2-4)	Solid	06/20/14 10:50	06/21/14 10:54
5099688007	TMW-6(14-16)	Solid	06/20/14 10:30	06/21/14 10:54
5099688008	TMW-6(2-4)	Solid	06/20/14 10:00	06/21/14 10:54
5099688009	P-6(10-12)	Solid	06/20/14 09:36	06/21/14 10:54
5099688010	P-6(2-4)	Solid	06/20/14 09:15	06/21/14 10:54
5099688011	P-3 RE(2-4)	Solid	06/20/14 08:35	06/21/14 10:54
5099688012	P-8 RE(0-2)	Solid	06/20/14 08:45	06/21/14 10:54
5099688013	SOIL EQ BLANK	Water	06/20/14 11:25	06/21/14 10:54

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SAMPLE ANALYTE COUNT

Project: Sibley-Accucast/2339-356-03-00

Pace Project No.: 5099688

Lab ID	Sample ID	Method	Analysts	Analytes Reported
5099688001	TMW-5(12-14)	EPA 8082	DMT	8
		EPA 6010	FRW	8
		EPA 8270	CEM	66
		EPA 8260	JLZ	73
		ASTM D2974-87	WDB	1
5099688002	TMW-5(2-4)	EPA 8082	DMT	8
		EPA 6010	FRW	8
		EPA 8270	CEM	66
		EPA 8260	JLZ	73
		ASTM D2974-87	WDB	1
5099688003	TMW-4(14-16)	EPA 8082	DMT	8
		EPA 6010	FRW	8
		EPA 8270	CEM	66
		EPA 8260	JLZ	73
		ASTM D2974-87	WDB	1
5099688004	TMW-4(5-7)	EPA 8082	DMT	8
		EPA 6010	FRW	8
		EPA 8270	CEM	66
		EPA 8260	JLZ	73
		ASTM D2974-87	WDB	1
5099688005	P-5(10-12)	EPA 8082	DMT	8
		EPA 6010	FRW	8
		EPA 8270	CEM	66
		EPA 8260	JLZ	73
		ASTM D2974-87	WDB	1
5099688006	P-5(2-4)	EPA 8082	DMT	8
		EPA 6010	FRW	8
		EPA 8270	CEM	66
		EPA 8260	JLZ	73
		ASTM D2974-87	WDB	1
5099688007	TMW-6(14-16)	EPA 8082	DMT	8
		EPA 6010	FRW	8
		EPA 8270	CEM	66
		EPA 8260	JLZ	73
		ASTM D2974-87	WDB	1
5099688008	TMW-6(2-4)	EPA 8082	DMT	8
		EPA 6010	FRW	8

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SAMPLE ANALYTE COUNT

Project: Sibley-Accucast/2339-356-03-00

Pace Project No.: 5099688

Lab ID	Sample ID	Method	Analysts	Analytes Reported
5099688009	P-6(10-12)	EPA 8270	CEM	66
		EPA 8260	JLZ	73
		ASTM D2974-87	WDB	1
		EPA 8082	DMT	8
		EPA 6010	FRW	8
		EPA 8270	CEM	66
5099688010	P-6(2-4)	EPA 8260	JLZ	73
		ASTM D2974-87	WDB	1
		EPA 8082	DMT	8
		EPA 6010	FRW	8
		EPA 8270	CEM	66
		EPA 8260	JLZ	73
5099688011	P-3 RE(2-4)	ASTM D2974-87	WDB	1
		EPA 8082	DMT	8
		EPA 6010	FRW	8
		EPA 8270	CEM	66
		ASTM D2974-87	WDB	1
		EPA 8082	DMT	8
5099688012	P-8 RE(0-2)	EPA 6010	FRW	8
		EPA 8270	CEM	66
		ASTM D2974-87	WDB	1
		EPA 8082	DMT	8
		EPA 6010	FRW	8
		EPA 8270	CEM	66
5099688013	SOIL EQ BLANK	ASTM D2974-87	WDB	1
		EPA 8082	DMT	8
		EPA 6010	LLB	8
		EPA 8270	SN	66
		EPA 8260	RSW	73

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ANALYTICAL RESULTS

Project: Sibley-Accucast/2339-356-03-00

Pace Project No.: 5099688

Sample: TMW-5(12-14) **Lab ID: 5099688001** Collected: 06/20/14 13:20 Received: 06/21/14 10:54 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB								
Analytical Method: EPA 8082 Preparation Method: EPA 3546								
PCB-1016 (Aroclor 1016)	ND	ug/kg	104	1	06/26/14 11:14	06/27/14 00:26	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/kg	104	1	06/26/14 11:14	06/27/14 00:26	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/kg	104	1	06/26/14 11:14	06/27/14 00:26	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/kg	104	1	06/26/14 11:14	06/27/14 00:26	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/kg	104	1	06/26/14 11:14	06/27/14 00:26	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/kg	104	1	06/26/14 11:14	06/27/14 00:26	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	ug/kg	104	1	06/26/14 11:14	06/27/14 00:26	11096-82-5	
Surrogates								
Tetrachloro-m-xylene (S)	84 %.		30-106	1	06/26/14 11:14	06/27/14 00:26	877-09-8	
6010 MET ICP								
Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Antimony	ND	mg/kg	0.91	1	06/23/14 10:03	06/24/14 10:29	7440-36-0	
Arsenic	1.6	mg/kg	0.91	1	06/23/14 10:03	06/24/14 10:29	7440-38-2	
Chromium	2.6	mg/kg	0.91	1	06/23/14 10:03	06/24/14 10:29	7440-47-3	
Cobalt	1.2	mg/kg	0.91	1	06/23/14 10:03	06/24/14 10:29	7440-48-4	
Iron	2980	mg/kg	45.5	1	06/23/14 10:03	06/24/14 10:29	7439-89-6	
Lead	1.9	mg/kg	0.91	1	06/23/14 10:03	06/24/14 10:29	7439-92-1	
Selenium	ND	mg/kg	0.91	1	06/23/14 10:03	06/24/14 10:29	7782-49-2	
Thallium	1.8	mg/kg	0.91	1	06/23/14 10:03	06/24/14 10:29	7440-28-0	
8270 MSSV SHORT LIST MICROWAVE								
Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Acenaphthene	ND	ug/kg	344	1	06/25/14 12:30	06/27/14 17:21	83-32-9	
Acenaphthylene	ND	ug/kg	344	1	06/25/14 12:30	06/27/14 17:21	208-96-8	
Anthracene	ND	ug/kg	344	1	06/25/14 12:30	06/27/14 17:21	120-12-7	
Benzo(a)anthracene	ND	ug/kg	344	1	06/25/14 12:30	06/27/14 17:21	56-55-3	
Benzo(a)pyrene	ND	ug/kg	177	1	06/25/14 12:30	06/27/14 17:21	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	344	1	06/25/14 12:30	06/27/14 17:21	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	344	1	06/25/14 12:30	06/27/14 17:21	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	344	1	06/25/14 12:30	06/27/14 17:21	207-08-9	
Benzyl alcohol	ND	ug/kg	688	1	06/25/14 12:30	06/27/14 17:21	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	344	1	06/25/14 12:30	06/27/14 17:21	101-55-3	
Butylbenzylphthalate	ND	ug/kg	344	1	06/25/14 12:30	06/27/14 17:21	85-68-7	
4-Chloro-3-methylphenol	ND	ug/kg	688	1	06/25/14 12:30	06/27/14 17:21	59-50-7	
4-Chloroaniline	ND	ug/kg	688	1	06/25/14 12:30	06/27/14 17:21	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	344	1	06/25/14 12:30	06/27/14 17:21	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	344	1	06/25/14 12:30	06/27/14 17:21	111-44-4	
bis(2chloro1methylethyl) ether	ND	ug/kg	344	1	06/25/14 12:30	06/27/14 17:21	108-60-1	
2-Chloronaphthalene	ND	ug/kg	344	1	06/25/14 12:30	06/27/14 17:21	91-58-7	
2-Chlorophenol	ND	ug/kg	344	1	06/25/14 12:30	06/27/14 17:21	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	344	1	06/25/14 12:30	06/27/14 17:21	7005-72-3	
Chrysene	ND	ug/kg	344	1	06/25/14 12:30	06/27/14 17:21	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	177	1	06/25/14 12:30	06/27/14 17:21	53-70-3	
Dibenzofuran	ND	ug/kg	344	1	06/25/14 12:30	06/27/14 17:21	132-64-9	
3,3'-Dichlorobenzidine	ND	ug/kg	688	1	06/25/14 12:30	06/27/14 17:21	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	344	1	06/25/14 12:30	06/27/14 17:21	120-83-2	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Sibley-Accucast/2339-356-03-00

Pace Project No.: 5099688

Sample: TMW-5(12-14) **Lab ID: 5099688001** Collected: 06/20/14 13:20 Received: 06/21/14 10:54 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV SHORT LIST		Analytical Method: EPA 8270 Preparation Method: EPA 3546						
MICROWAVE								
Diethylphthalate	ND ug/kg		344	1	06/25/14 12:30	06/27/14 17:21	84-66-2	
2,4-Dimethylphenol	ND ug/kg		344	1	06/25/14 12:30	06/27/14 17:21	105-67-9	
Dimethylphthalate	ND ug/kg		344	1	06/25/14 12:30	06/27/14 17:21	131-11-3	
Di-n-butylphthalate	ND ug/kg		344	1	06/25/14 12:30	06/27/14 17:21	84-74-2	
4,6-Dinitro-2-methylphenol	ND ug/kg		1670	1	06/25/14 12:30	06/27/14 17:21	534-52-1	
2,4-Dinitrophenol	ND ug/kg		1670	1	06/25/14 12:30	06/27/14 17:21	51-28-5	
2,4-Dinitrotoluene	ND ug/kg		344	1	06/25/14 12:30	06/27/14 17:21	121-14-2	
2,6-Dinitrotoluene	ND ug/kg		344	1	06/25/14 12:30	06/27/14 17:21	606-20-2	
Di-n-octylphthalate	ND ug/kg		344	1	06/25/14 12:30	06/27/14 17:21	117-84-0	
bis(2-Ethylhexyl)phthalate	ND ug/kg		344	1	06/25/14 12:30	06/27/14 17:21	117-81-7	
Fluoranthene	ND ug/kg		344	1	06/25/14 12:30	06/27/14 17:21	206-44-0	
Fluorene	ND ug/kg		344	1	06/25/14 12:30	06/27/14 17:21	86-73-7	
Hexachloro-1,3-butadiene	ND ug/kg		344	1	06/25/14 12:30	06/27/14 17:21	87-68-3	
Hexachlorobenzene	ND ug/kg		344	1	06/25/14 12:30	06/27/14 17:21	118-74-1	
Hexachlorocyclopentadiene	ND ug/kg		344	1	06/25/14 12:30	06/27/14 17:21	77-47-4	
Hexachloroethane	ND ug/kg		344	1	06/25/14 12:30	06/27/14 17:21	67-72-1	
Indeno(1,2,3-cd)pyrene	ND ug/kg		344	1	06/25/14 12:30	06/27/14 17:21	193-39-5	
Isophorone	ND ug/kg		344	1	06/25/14 12:30	06/27/14 17:21	78-59-1	
2-Methylnaphthalene	ND ug/kg		344	1	06/25/14 12:30	06/27/14 17:21	91-57-6	
2-Methylphenol(o-Cresol)	ND ug/kg		344	1	06/25/14 12:30	06/27/14 17:21	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND ug/kg		688	1	06/25/14 12:30	06/27/14 17:21		
Naphthalene	ND ug/kg		344	1	06/25/14 12:30	06/27/14 17:21	91-20-3	
2-Nitroaniline	ND ug/kg		1670	1	06/25/14 12:30	06/27/14 17:21	88-74-4	
3-Nitroaniline	ND ug/kg		1670	1	06/25/14 12:30	06/27/14 17:21	99-09-2	
4-Nitroaniline	ND ug/kg		1670	1	06/25/14 12:30	06/27/14 17:21	100-01-6	
Nitrobenzene	ND ug/kg		344	1	06/25/14 12:30	06/27/14 17:21	98-95-3	
2-Nitrophenol	ND ug/kg		344	1	06/25/14 12:30	06/27/14 17:21	88-75-5	
4-Nitrophenol	ND ug/kg		1670	1	06/25/14 12:30	06/27/14 17:21	100-02-7	
N-Nitroso-di-n-propylamine	ND ug/kg		344	1	06/25/14 12:30	06/27/14 17:21	621-64-7	
N-Nitrosodiphenylamine	ND ug/kg		344	1	06/25/14 12:30	06/27/14 17:21	86-30-6	
Pentachlorophenol	ND ug/kg		1670	1	06/25/14 12:30	06/27/14 17:21	87-86-5	
Phenanthrene	ND ug/kg		344	1	06/25/14 12:30	06/27/14 17:21	85-01-8	
Phenol	ND ug/kg		344	1	06/25/14 12:30	06/27/14 17:21	108-95-2	
Pyrene	ND ug/kg		344	1	06/25/14 12:30	06/27/14 17:21	129-00-0	
2,4,5-Trichlorophenol	ND ug/kg		344	1	06/25/14 12:30	06/27/14 17:21	95-95-4	
2,4,6-Trichlorophenol	ND ug/kg		344	1	06/25/14 12:30	06/27/14 17:21	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	76 %.		28-101	1	06/25/14 12:30	06/27/14 17:21	4165-60-0	
2-Fluorobiphenyl (S)	75 %.		31-94	1	06/25/14 12:30	06/27/14 17:21	321-60-8	
p-Terphenyl-d14 (S)	101 %.		26-110	1	06/25/14 12:30	06/27/14 17:21	1718-51-0	
Phenol-d5 (S)	81 %.		28-101	1	06/25/14 12:30	06/27/14 17:21	4165-62-2	
2-Fluorophenol (S)	78 %.		24-104	1	06/25/14 12:30	06/27/14 17:21	367-12-4	
2,4,6-Tribromophenol (S)	84 %.		16-122	1	06/25/14 12:30	06/27/14 17:21	118-79-6	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Sibley-Accucast/2339-356-03-00

Pace Project No.: 5099688

Sample: TMW-5(12-14) **Lab ID: 5099688001** Collected: 06/20/14 13:20 Received: 06/21/14 10:54 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA		Analytical Method: EPA 8260						
Acetone	ND	ug/kg	102	1		07/02/14 18:11	67-64-1	
Acrolein	ND	ug/kg	102	1		07/02/14 18:11	107-02-8	
Acrylonitrile	ND	ug/kg	102	1		07/02/14 18:11	107-13-1	
Benzene	ND	ug/kg	5.1	1		07/02/14 18:11	71-43-2	
Bromobenzene	ND	ug/kg	5.1	1		07/02/14 18:11	108-86-1	
Bromochloromethane	ND	ug/kg	5.1	1		07/02/14 18:11	74-97-5	
Bromodichloromethane	ND	ug/kg	5.1	1		07/02/14 18:11	75-27-4	
Bromoform	ND	ug/kg	5.1	1		07/02/14 18:11	75-25-2	
Bromomethane	ND	ug/kg	5.1	1		07/02/14 18:11	74-83-9	
2-Butanone (MEK)	ND	ug/kg	25.4	1		07/02/14 18:11	78-93-3	
n-Butylbenzene	ND	ug/kg	5.1	1		07/02/14 18:11	104-51-8	
sec-Butylbenzene	ND	ug/kg	5.1	1		07/02/14 18:11	135-98-8	
tert-Butylbenzene	ND	ug/kg	5.1	1		07/02/14 18:11	98-06-6	
Carbon disulfide	ND	ug/kg	10.2	1		07/02/14 18:11	75-15-0	
Carbon tetrachloride	ND	ug/kg	5.1	1		07/02/14 18:11	56-23-5	
Chlorobenzene	ND	ug/kg	5.1	1		07/02/14 18:11	108-90-7	
Chloroethane	ND	ug/kg	5.1	1		07/02/14 18:11	75-00-3	
Chloroform	ND	ug/kg	5.1	1		07/02/14 18:11	67-66-3	
Chloromethane	ND	ug/kg	5.1	1		07/02/14 18:11	74-87-3	
2-Chlorotoluene	ND	ug/kg	5.1	1		07/02/14 18:11	95-49-8	
4-Chlorotoluene	ND	ug/kg	5.1	1		07/02/14 18:11	106-43-4	
Dibromochloromethane	ND	ug/kg	5.1	1		07/02/14 18:11	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	5.1	1		07/02/14 18:11	106-93-4	
Dibromomethane	ND	ug/kg	5.1	1		07/02/14 18:11	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	5.1	1		07/02/14 18:11	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	5.1	1		07/02/14 18:11	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	5.1	1		07/02/14 18:11	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/kg	102	1		07/02/14 18:11	110-57-6	
Dichlorodifluoromethane	ND	ug/kg	5.1	1		07/02/14 18:11	75-71-8	
1,1-Dichloroethane	ND	ug/kg	5.1	1		07/02/14 18:11	75-34-3	
1,2-Dichloroethane	ND	ug/kg	5.1	1		07/02/14 18:11	107-06-2	
1,1-Dichloroethene	ND	ug/kg	5.1	1		07/02/14 18:11	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	5.1	1		07/02/14 18:11	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	5.1	1		07/02/14 18:11	156-60-5	
1,2-Dichloropropane	ND	ug/kg	5.1	1		07/02/14 18:11	78-87-5	
1,3-Dichloropropane	ND	ug/kg	5.1	1		07/02/14 18:11	142-28-9	
2,2-Dichloropropane	ND	ug/kg	5.1	1		07/02/14 18:11	594-20-7	
1,1-Dichloropropene	ND	ug/kg	5.1	1		07/02/14 18:11	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	5.1	1		07/02/14 18:11	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	5.1	1		07/02/14 18:11	10061-02-6	
Ethylbenzene	ND	ug/kg	5.1	1		07/02/14 18:11	100-41-4	
Ethyl methacrylate	ND	ug/kg	102	1		07/02/14 18:11	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/kg	5.1	1		07/02/14 18:11	87-68-3	
n-Hexane	ND	ug/kg	5.1	1		07/02/14 18:11	110-54-3	N2
2-Hexanone	ND	ug/kg	102	1		07/02/14 18:11	591-78-6	
Iodomethane	ND	ug/kg	102	1		07/02/14 18:11	74-88-4	

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ANALYTICAL RESULTS

Project: Sibley-Accucast/2339-356-03-00

Pace Project No.: 5099688

Sample: TMW-5(12-14) **Lab ID: 5099688001** Collected: 06/20/14 13:20 Received: 06/21/14 10:54 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA		Analytical Method: EPA 8260						
Isopropylbenzene (Cumene)	ND	ug/kg	5.1	1		07/02/14 18:11	98-82-8	
p-Isopropyltoluene	ND	ug/kg	5.1	1		07/02/14 18:11	99-87-6	
Methylene Chloride	ND	ug/kg	20.3	1		07/02/14 18:11	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	25.4	1		07/02/14 18:11	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	5.1	1		07/02/14 18:11	1634-04-4	
Naphthalene	ND	ug/kg	5.1	1		07/02/14 18:11	91-20-3	
n-Propylbenzene	ND	ug/kg	5.1	1		07/02/14 18:11	103-65-1	
Styrene	ND	ug/kg	5.1	1		07/02/14 18:11	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	5.1	1		07/02/14 18:11	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	5.1	1		07/02/14 18:11	79-34-5	
Tetrachloroethene	ND	ug/kg	5.1	1		07/02/14 18:11	127-18-4	
Toluene	ND	ug/kg	5.1	1		07/02/14 18:11	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	5.1	1		07/02/14 18:11	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	5.1	1		07/02/14 18:11	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	5.1	1		07/02/14 18:11	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	5.1	1		07/02/14 18:11	79-00-5	
Trichloroethene	ND	ug/kg	5.1	1		07/02/14 18:11	79-01-6	
Trichlorofluoromethane	ND	ug/kg	5.1	1		07/02/14 18:11	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	5.1	1		07/02/14 18:11	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	5.1	1		07/02/14 18:11	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	5.1	1		07/02/14 18:11	108-67-8	
Vinyl acetate	ND	ug/kg	102	1		07/02/14 18:11	108-05-4	
Vinyl chloride	ND	ug/kg	5.1	1		07/02/14 18:11	75-01-4	
Xylene (Total)	ND	ug/kg	10.2	1		07/02/14 18:11	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	95 %		85-118	1		07/02/14 18:11	1868-53-7	
Toluene-d8 (S)	94 %		71-128	1		07/02/14 18:11	2037-26-5	
4-Bromofluorobenzene (S)	97 %		56-144	1		07/02/14 18:11	460-00-4	

Percent Moisture

Analytical Method: ASTM D2974-87

Percent Moisture	4.7 %		0.10	1		06/26/14 11:50		
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ANALYTICAL RESULTS

Project: Sibley-Accucast/2339-356-03-00

Pace Project No.: 5099688

Sample: TMW-5(2-4) **Lab ID: 5099688002** Collected: 06/20/14 12:45 Received: 06/21/14 10:54 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB		Analytical Method: EPA 8082 Preparation Method: EPA 3546						
PCB-1016 (Aroclor 1016)	ND	ug/kg	106	1	06/26/14 11:14	06/27/14 00:43	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/kg	106	1	06/26/14 11:14	06/27/14 00:43	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/kg	106	1	06/26/14 11:14	06/27/14 00:43	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/kg	106	1	06/26/14 11:14	06/27/14 00:43	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/kg	106	1	06/26/14 11:14	06/27/14 00:43	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/kg	106	1	06/26/14 11:14	06/27/14 00:43	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	ug/kg	106	1	06/26/14 11:14	06/27/14 00:43	11096-82-5	
Surrogates								
Tetrachloro-m-xylene (S)	89 %.		30-106	1	06/26/14 11:14	06/27/14 00:43	877-09-8	
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3050						
Antimony	ND	mg/kg	1.1	1	06/23/14 10:03	06/24/14 10:39	7440-36-0	
Arsenic	2.5	mg/kg	1.1	1	06/23/14 10:03	06/24/14 10:39	7440-38-2	
Chromium	9.1	mg/kg	1.1	1	06/23/14 10:03	06/24/14 10:39	7440-47-3	
Cobalt	2.7	mg/kg	1.1	1	06/23/14 10:03	06/24/14 10:39	7440-48-4	
Iron	9120	mg/kg	53.1	1	06/23/14 10:03	06/24/14 10:39	7439-89-6	
Lead	9.4	mg/kg	1.1	1	06/23/14 10:03	06/24/14 10:39	7439-92-1	
Selenium	ND	mg/kg	1.1	1	06/23/14 10:03	06/24/14 10:39	7782-49-2	
Thallium	2.9	mg/kg	1.1	1	06/23/14 10:03	06/24/14 10:39	7440-28-0	
8270 MSSV SHORT LIST MICROWAVE		Analytical Method: EPA 8270 Preparation Method: EPA 3546						
Acenaphthene	ND	ug/kg	349	1	06/25/14 12:30	06/27/14 18:31	83-32-9	
Acenaphthylene	ND	ug/kg	349	1	06/25/14 12:30	06/27/14 18:31	208-96-8	
Anthracene	ND	ug/kg	349	1	06/25/14 12:30	06/27/14 18:31	120-12-7	
Benzo(a)anthracene	ND	ug/kg	349	1	06/25/14 12:30	06/27/14 18:31	56-55-3	
Benzo(a)pyrene	ND	ug/kg	180	1	06/25/14 12:30	06/27/14 18:31	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	349	1	06/25/14 12:30	06/27/14 18:31	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	349	1	06/25/14 12:30	06/27/14 18:31	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	349	1	06/25/14 12:30	06/27/14 18:31	207-08-9	
Benzyl alcohol	ND	ug/kg	699	1	06/25/14 12:30	06/27/14 18:31	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	349	1	06/25/14 12:30	06/27/14 18:31	101-55-3	
Butylbenzylphthalate	ND	ug/kg	349	1	06/25/14 12:30	06/27/14 18:31	85-68-7	
4-Chloro-3-methylphenol	ND	ug/kg	699	1	06/25/14 12:30	06/27/14 18:31	59-50-7	
4-Chloroaniline	ND	ug/kg	699	1	06/25/14 12:30	06/27/14 18:31	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	349	1	06/25/14 12:30	06/27/14 18:31	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	349	1	06/25/14 12:30	06/27/14 18:31	111-44-4	
bis(2chloro1methylethyl) ether	ND	ug/kg	349	1	06/25/14 12:30	06/27/14 18:31	108-60-1	
2-Chloronaphthalene	ND	ug/kg	349	1	06/25/14 12:30	06/27/14 18:31	91-58-7	
2-Chlorophenol	ND	ug/kg	349	1	06/25/14 12:30	06/27/14 18:31	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	349	1	06/25/14 12:30	06/27/14 18:31	7005-72-3	
Chrysene	ND	ug/kg	349	1	06/25/14 12:30	06/27/14 18:31	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	180	1	06/25/14 12:30	06/27/14 18:31	53-70-3	
Dibenzofuran	ND	ug/kg	349	1	06/25/14 12:30	06/27/14 18:31	132-64-9	
3,3'-Dichlorobenzidine	ND	ug/kg	699	1	06/25/14 12:30	06/27/14 18:31	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	349	1	06/25/14 12:30	06/27/14 18:31	120-83-2	

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ANALYTICAL RESULTS

Project: Sibley-Accucast/2339-356-03-00

Pace Project No.: 5099688

Sample: TMW-5(2-4) **Lab ID: 5099688002** Collected: 06/20/14 12:45 Received: 06/21/14 10:54 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV SHORT LIST		Analytical Method: EPA 8270 Preparation Method: EPA 3546						
MICROWAVE								
Diethylphthalate	ND ug/kg		349	1	06/25/14 12:30	06/27/14 18:31	84-66-2	
2,4-Dimethylphenol	ND ug/kg		349	1	06/25/14 12:30	06/27/14 18:31	105-67-9	
Dimethylphthalate	ND ug/kg		349	1	06/25/14 12:30	06/27/14 18:31	131-11-3	
Di-n-butylphthalate	ND ug/kg		349	1	06/25/14 12:30	06/27/14 18:31	84-74-2	
4,6-Dinitro-2-methylphenol	ND ug/kg		1690	1	06/25/14 12:30	06/27/14 18:31	534-52-1	
2,4-Dinitrophenol	ND ug/kg		1690	1	06/25/14 12:30	06/27/14 18:31	51-28-5	
2,4-Dinitrotoluene	ND ug/kg		349	1	06/25/14 12:30	06/27/14 18:31	121-14-2	
2,6-Dinitrotoluene	ND ug/kg		349	1	06/25/14 12:30	06/27/14 18:31	606-20-2	
Di-n-octylphthalate	ND ug/kg		349	1	06/25/14 12:30	06/27/14 18:31	117-84-0	
bis(2-Ethylhexyl)phthalate	ND ug/kg		349	1	06/25/14 12:30	06/27/14 18:31	117-81-7	
Fluoranthene	ND ug/kg		349	1	06/25/14 12:30	06/27/14 18:31	206-44-0	
Fluorene	ND ug/kg		349	1	06/25/14 12:30	06/27/14 18:31	86-73-7	
Hexachloro-1,3-butadiene	ND ug/kg		349	1	06/25/14 12:30	06/27/14 18:31	87-68-3	
Hexachlorobenzene	ND ug/kg		349	1	06/25/14 12:30	06/27/14 18:31	118-74-1	
Hexachlorocyclopentadiene	ND ug/kg		349	1	06/25/14 12:30	06/27/14 18:31	77-47-4	
Hexachloroethane	ND ug/kg		349	1	06/25/14 12:30	06/27/14 18:31	67-72-1	
Indeno(1,2,3-cd)pyrene	ND ug/kg		349	1	06/25/14 12:30	06/27/14 18:31	193-39-5	
Isophorone	ND ug/kg		349	1	06/25/14 12:30	06/27/14 18:31	78-59-1	
2-Methylnaphthalene	ND ug/kg		349	1	06/25/14 12:30	06/27/14 18:31	91-57-6	
2-Methylphenol(o-Cresol)	ND ug/kg		349	1	06/25/14 12:30	06/27/14 18:31	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND ug/kg		699	1	06/25/14 12:30	06/27/14 18:31		
Naphthalene	ND ug/kg		349	1	06/25/14 12:30	06/27/14 18:31	91-20-3	
2-Nitroaniline	ND ug/kg		1690	1	06/25/14 12:30	06/27/14 18:31	88-74-4	
3-Nitroaniline	ND ug/kg		1690	1	06/25/14 12:30	06/27/14 18:31	99-09-2	
4-Nitroaniline	ND ug/kg		1690	1	06/25/14 12:30	06/27/14 18:31	100-01-6	
Nitrobenzene	ND ug/kg		349	1	06/25/14 12:30	06/27/14 18:31	98-95-3	
2-Nitrophenol	ND ug/kg		349	1	06/25/14 12:30	06/27/14 18:31	88-75-5	
4-Nitrophenol	ND ug/kg		1690	1	06/25/14 12:30	06/27/14 18:31	100-02-7	
N-Nitroso-di-n-propylamine	ND ug/kg		349	1	06/25/14 12:30	06/27/14 18:31	621-64-7	
N-Nitrosodiphenylamine	ND ug/kg		349	1	06/25/14 12:30	06/27/14 18:31	86-30-6	
Pentachlorophenol	ND ug/kg		1690	1	06/25/14 12:30	06/27/14 18:31	87-86-5	
Phenanthrene	ND ug/kg		349	1	06/25/14 12:30	06/27/14 18:31	85-01-8	
Phenol	ND ug/kg		349	1	06/25/14 12:30	06/27/14 18:31	108-95-2	
Pyrene	ND ug/kg		349	1	06/25/14 12:30	06/27/14 18:31	129-00-0	
2,4,5-Trichlorophenol	ND ug/kg		349	1	06/25/14 12:30	06/27/14 18:31	95-95-4	
2,4,6-Trichlorophenol	ND ug/kg		349	1	06/25/14 12:30	06/27/14 18:31	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	74 %.		28-101	1	06/25/14 12:30	06/27/14 18:31	4165-60-0	
2-Fluorobiphenyl (S)	74 %.		31-94	1	06/25/14 12:30	06/27/14 18:31	321-60-8	
p-Terphenyl-d14 (S)	103 %.		26-110	1	06/25/14 12:30	06/27/14 18:31	1718-51-0	
Phenol-d5 (S)	76 %.		28-101	1	06/25/14 12:30	06/27/14 18:31	4165-62-2	
2-Fluorophenol (S)	73 %.		24-104	1	06/25/14 12:30	06/27/14 18:31	367-12-4	
2,4,6-Tribromophenol (S)	78 %.		16-122	1	06/25/14 12:30	06/27/14 18:31	118-79-6	

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ANALYTICAL RESULTS

Project: Sibley-Accucast/2339-356-03-00

Pace Project No.: 5099688

Sample: TMW-5(2-4) **Lab ID: 5099688002** Collected: 06/20/14 12:45 Received: 06/21/14 10:54 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA		Analytical Method: EPA 8260						
Acetone	ND	ug/kg	118	1		07/02/14 19:48	67-64-1	
Acrolein	ND	ug/kg	118	1		07/02/14 19:48	107-02-8	
Acrylonitrile	ND	ug/kg	118	1		07/02/14 19:48	107-13-1	
Benzene	ND	ug/kg	5.9	1		07/02/14 19:48	71-43-2	
Bromobenzene	ND	ug/kg	5.9	1		07/02/14 19:48	108-86-1	
Bromochloromethane	ND	ug/kg	5.9	1		07/02/14 19:48	74-97-5	
Bromodichloromethane	ND	ug/kg	5.9	1		07/02/14 19:48	75-27-4	
Bromoform	ND	ug/kg	5.9	1		07/02/14 19:48	75-25-2	
Bromomethane	ND	ug/kg	5.9	1		07/02/14 19:48	74-83-9	
2-Butanone (MEK)	ND	ug/kg	29.6	1		07/02/14 19:48	78-93-3	
n-Butylbenzene	ND	ug/kg	5.9	1		07/02/14 19:48	104-51-8	
sec-Butylbenzene	ND	ug/kg	5.9	1		07/02/14 19:48	135-98-8	
tert-Butylbenzene	ND	ug/kg	5.9	1		07/02/14 19:48	98-06-6	
Carbon disulfide	ND	ug/kg	11.8	1		07/02/14 19:48	75-15-0	
Carbon tetrachloride	ND	ug/kg	5.9	1		07/02/14 19:48	56-23-5	
Chlorobenzene	ND	ug/kg	5.9	1		07/02/14 19:48	108-90-7	
Chloroethane	ND	ug/kg	5.9	1		07/02/14 19:48	75-00-3	
Chloroform	ND	ug/kg	5.9	1		07/02/14 19:48	67-66-3	
Chloromethane	ND	ug/kg	5.9	1		07/02/14 19:48	74-87-3	
2-Chlorotoluene	ND	ug/kg	5.9	1		07/02/14 19:48	95-49-8	
4-Chlorotoluene	ND	ug/kg	5.9	1		07/02/14 19:48	106-43-4	
Dibromochloromethane	ND	ug/kg	5.9	1		07/02/14 19:48	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	5.9	1		07/02/14 19:48	106-93-4	
Dibromomethane	ND	ug/kg	5.9	1		07/02/14 19:48	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	5.9	1		07/02/14 19:48	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	5.9	1		07/02/14 19:48	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	5.9	1		07/02/14 19:48	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/kg	118	1		07/02/14 19:48	110-57-6	
Dichlorodifluoromethane	ND	ug/kg	5.9	1		07/02/14 19:48	75-71-8	
1,1-Dichloroethane	ND	ug/kg	5.9	1		07/02/14 19:48	75-34-3	
1,2-Dichloroethane	ND	ug/kg	5.9	1		07/02/14 19:48	107-06-2	
1,1-Dichloroethene	ND	ug/kg	5.9	1		07/02/14 19:48	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	5.9	1		07/02/14 19:48	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	5.9	1		07/02/14 19:48	156-60-5	
1,2-Dichloropropane	ND	ug/kg	5.9	1		07/02/14 19:48	78-87-5	
1,3-Dichloropropane	ND	ug/kg	5.9	1		07/02/14 19:48	142-28-9	
2,2-Dichloropropane	ND	ug/kg	5.9	1		07/02/14 19:48	594-20-7	
1,1-Dichloropropene	ND	ug/kg	5.9	1		07/02/14 19:48	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	5.9	1		07/02/14 19:48	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	5.9	1		07/02/14 19:48	10061-02-6	
Ethylbenzene	ND	ug/kg	5.9	1		07/02/14 19:48	100-41-4	
Ethyl methacrylate	ND	ug/kg	118	1		07/02/14 19:48	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/kg	5.9	1		07/02/14 19:48	87-68-3	
n-Hexane	ND	ug/kg	5.9	1		07/02/14 19:48	110-54-3	N2
2-Hexanone	ND	ug/kg	118	1		07/02/14 19:48	591-78-6	
Iodomethane	ND	ug/kg	118	1		07/02/14 19:48	74-88-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Sibley-Accucast/2339-356-03-00

Pace Project No.: 5099688

Sample: TMW-5(2-4) **Lab ID: 5099688002** Collected: 06/20/14 12:45 Received: 06/21/14 10:54 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA		Analytical Method: EPA 8260						
Isopropylbenzene (Cumene)	ND	ug/kg	5.9	1		07/02/14 19:48	98-82-8	
p-Isopropyltoluene	ND	ug/kg	5.9	1		07/02/14 19:48	99-87-6	
Methylene Chloride	ND	ug/kg	23.7	1		07/02/14 19:48	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	29.6	1		07/02/14 19:48	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	5.9	1		07/02/14 19:48	1634-04-4	
Naphthalene	ND	ug/kg	5.9	1		07/02/14 19:48	91-20-3	
n-Propylbenzene	ND	ug/kg	5.9	1		07/02/14 19:48	103-65-1	
Styrene	ND	ug/kg	5.9	1		07/02/14 19:48	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	5.9	1		07/02/14 19:48	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	5.9	1		07/02/14 19:48	79-34-5	
Tetrachloroethene	ND	ug/kg	5.9	1		07/02/14 19:48	127-18-4	
Toluene	ND	ug/kg	5.9	1		07/02/14 19:48	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	5.9	1		07/02/14 19:48	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	5.9	1		07/02/14 19:48	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	5.9	1		07/02/14 19:48	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	5.9	1		07/02/14 19:48	79-00-5	
Trichloroethene	ND	ug/kg	5.9	1		07/02/14 19:48	79-01-6	
Trichlorofluoromethane	ND	ug/kg	5.9	1		07/02/14 19:48	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	5.9	1		07/02/14 19:48	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	5.9	1		07/02/14 19:48	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	5.9	1		07/02/14 19:48	108-67-8	
Vinyl acetate	ND	ug/kg	118	1		07/02/14 19:48	108-05-4	
Vinyl chloride	ND	ug/kg	5.9	1		07/02/14 19:48	75-01-4	
Xylene (Total)	ND	ug/kg	11.8	1		07/02/14 19:48	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	93 %		85-118	1		07/02/14 19:48	1868-53-7	
Toluene-d8 (S)	94 %		71-128	1		07/02/14 19:48	2037-26-5	
4-Bromofluorobenzene (S)	98 %		56-144	1		07/02/14 19:48	460-00-4	
Percent Moisture		Analytical Method: ASTM D2974-87						
Percent Moisture	5.8 %		0.10	1		06/26/14 11:50		

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ANALYTICAL RESULTS

Project: Sibley-Accucast/2339-356-03-00

Pace Project No.: 5099688

Sample: TMW-4(14-16) **Lab ID: 5099688003** Collected: 06/20/14 12:45 Received: 06/21/14 10:54 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB								
Analytical Method: EPA 8082 Preparation Method: EPA 3546								
PCB-1016 (Aroclor 1016)	ND	ug/kg	111	1	06/26/14 11:14	06/27/14 00:49	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/kg	111	1	06/26/14 11:14	06/27/14 00:49	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/kg	111	1	06/26/14 11:14	06/27/14 00:49	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/kg	111	1	06/26/14 11:14	06/27/14 00:49	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/kg	111	1	06/26/14 11:14	06/27/14 00:49	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/kg	111	1	06/26/14 11:14	06/27/14 00:49	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	ug/kg	111	1	06/26/14 11:14	06/27/14 00:49	11096-82-5	
Surrogates								
Tetrachloro-m-xylene (S)	72 %.		30-106	1	06/26/14 11:14	06/27/14 00:49	877-09-8	
6010 MET ICP								
Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Antimony	ND	mg/kg	0.99	1	06/23/14 10:03	06/24/14 10:47	7440-36-0	
Arsenic	3.2	mg/kg	0.99	1	06/23/14 10:03	06/24/14 10:47	7440-38-2	
Chromium	5.4	mg/kg	0.99	1	06/23/14 10:03	06/24/14 10:47	7440-47-3	
Cobalt	1.9	mg/kg	0.99	1	06/23/14 10:03	06/24/14 10:47	7440-48-4	
Iron	5490	mg/kg	49.7	1	06/23/14 10:03	06/24/14 10:47	7439-89-6	
Lead	4.9	mg/kg	0.99	1	06/23/14 10:03	06/24/14 10:47	7439-92-1	
Selenium	ND	mg/kg	0.99	1	06/23/14 10:03	06/24/14 10:47	7782-49-2	
Thallium	2.1	mg/kg	0.99	1	06/23/14 10:03	06/24/14 10:47	7440-28-0	
8270 MSSV SHORT LIST MICROWAVE								
Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Acenaphthene	ND	ug/kg	369	1	06/25/14 12:30	06/27/14 18:54	83-32-9	
Acenaphthylene	ND	ug/kg	369	1	06/25/14 12:30	06/27/14 18:54	208-96-8	
Anthracene	ND	ug/kg	369	1	06/25/14 12:30	06/27/14 18:54	120-12-7	
Benzo(a)anthracene	ND	ug/kg	369	1	06/25/14 12:30	06/27/14 18:54	56-55-3	
Benzo(a)pyrene	ND	ug/kg	190	1	06/25/14 12:30	06/27/14 18:54	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	369	1	06/25/14 12:30	06/27/14 18:54	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	369	1	06/25/14 12:30	06/27/14 18:54	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	369	1	06/25/14 12:30	06/27/14 18:54	207-08-9	
Benzyl alcohol	ND	ug/kg	738	1	06/25/14 12:30	06/27/14 18:54	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	369	1	06/25/14 12:30	06/27/14 18:54	101-55-3	
Butylbenzylphthalate	ND	ug/kg	369	1	06/25/14 12:30	06/27/14 18:54	85-68-7	
4-Chloro-3-methylphenol	ND	ug/kg	738	1	06/25/14 12:30	06/27/14 18:54	59-50-7	
4-Chloroaniline	ND	ug/kg	738	1	06/25/14 12:30	06/27/14 18:54	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	369	1	06/25/14 12:30	06/27/14 18:54	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	369	1	06/25/14 12:30	06/27/14 18:54	111-44-4	
bis(2chloro1methylethyl) ether	ND	ug/kg	369	1	06/25/14 12:30	06/27/14 18:54	108-60-1	
2-Chloronaphthalene	ND	ug/kg	369	1	06/25/14 12:30	06/27/14 18:54	91-58-7	
2-Chlorophenol	ND	ug/kg	369	1	06/25/14 12:30	06/27/14 18:54	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	369	1	06/25/14 12:30	06/27/14 18:54	7005-72-3	
Chrysene	ND	ug/kg	369	1	06/25/14 12:30	06/27/14 18:54	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	190	1	06/25/14 12:30	06/27/14 18:54	53-70-3	
Dibenzofuran	ND	ug/kg	369	1	06/25/14 12:30	06/27/14 18:54	132-64-9	
3,3'-Dichlorobenzidine	ND	ug/kg	738	1	06/25/14 12:30	06/27/14 18:54	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	369	1	06/25/14 12:30	06/27/14 18:54	120-83-2	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Sibley-Accucast/2339-356-03-00

Pace Project No.: 5099688

Sample: TMW-4(14-16) **Lab ID: 5099688003** Collected: 06/20/14 12:45 Received: 06/21/14 10:54 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV SHORT LIST		Analytical Method: EPA 8270 Preparation Method: EPA 3546						
MICROWAVE								
Diethylphthalate	ND	ug/kg	369	1	06/25/14 12:30	06/27/14 18:54	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	369	1	06/25/14 12:30	06/27/14 18:54	105-67-9	
Dimethylphthalate	ND	ug/kg	369	1	06/25/14 12:30	06/27/14 18:54	131-11-3	
Di-n-butylphthalate	ND	ug/kg	369	1	06/25/14 12:30	06/27/14 18:54	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	1790	1	06/25/14 12:30	06/27/14 18:54	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	1790	1	06/25/14 12:30	06/27/14 18:54	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	369	1	06/25/14 12:30	06/27/14 18:54	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	369	1	06/25/14 12:30	06/27/14 18:54	606-20-2	
Di-n-octylphthalate	ND	ug/kg	369	1	06/25/14 12:30	06/27/14 18:54	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	369	1	06/25/14 12:30	06/27/14 18:54	117-81-7	
Fluoranthene	ND	ug/kg	369	1	06/25/14 12:30	06/27/14 18:54	206-44-0	
Fluorene	ND	ug/kg	369	1	06/25/14 12:30	06/27/14 18:54	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/kg	369	1	06/25/14 12:30	06/27/14 18:54	87-68-3	
Hexachlorobenzene	ND	ug/kg	369	1	06/25/14 12:30	06/27/14 18:54	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	369	1	06/25/14 12:30	06/27/14 18:54	77-47-4	
Hexachloroethane	ND	ug/kg	369	1	06/25/14 12:30	06/27/14 18:54	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	369	1	06/25/14 12:30	06/27/14 18:54	193-39-5	
Isophorone	ND	ug/kg	369	1	06/25/14 12:30	06/27/14 18:54	78-59-1	
2-Methylnaphthalene	ND	ug/kg	369	1	06/25/14 12:30	06/27/14 18:54	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	369	1	06/25/14 12:30	06/27/14 18:54	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	738	1	06/25/14 12:30	06/27/14 18:54		
Naphthalene	ND	ug/kg	369	1	06/25/14 12:30	06/27/14 18:54	91-20-3	
2-Nitroaniline	ND	ug/kg	1790	1	06/25/14 12:30	06/27/14 18:54	88-74-4	
3-Nitroaniline	ND	ug/kg	1790	1	06/25/14 12:30	06/27/14 18:54	99-09-2	
4-Nitroaniline	ND	ug/kg	1790	1	06/25/14 12:30	06/27/14 18:54	100-01-6	
Nitrobenzene	ND	ug/kg	369	1	06/25/14 12:30	06/27/14 18:54	98-95-3	
2-Nitrophenol	ND	ug/kg	369	1	06/25/14 12:30	06/27/14 18:54	88-75-5	
4-Nitrophenol	ND	ug/kg	1790	1	06/25/14 12:30	06/27/14 18:54	100-02-7	
N-Nitroso-di-n-propylamine	ND	ug/kg	369	1	06/25/14 12:30	06/27/14 18:54	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	369	1	06/25/14 12:30	06/27/14 18:54	86-30-6	
Pentachlorophenol	ND	ug/kg	1790	1	06/25/14 12:30	06/27/14 18:54	87-86-5	
Phenanthrene	ND	ug/kg	369	1	06/25/14 12:30	06/27/14 18:54	85-01-8	
Phenol	ND	ug/kg	369	1	06/25/14 12:30	06/27/14 18:54	108-95-2	
Pyrene	ND	ug/kg	369	1	06/25/14 12:30	06/27/14 18:54	129-00-0	
2,4,5-Trichlorophenol	ND	ug/kg	369	1	06/25/14 12:30	06/27/14 18:54	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	369	1	06/25/14 12:30	06/27/14 18:54	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	79 %.		28-101	1	06/25/14 12:30	06/27/14 18:54	4165-60-0	
2-Fluorobiphenyl (S)	78 %.		31-94	1	06/25/14 12:30	06/27/14 18:54	321-60-8	
p-Terphenyl-d14 (S)	102 %.		26-110	1	06/25/14 12:30	06/27/14 18:54	1718-51-0	
Phenol-d5 (S)	80 %.		28-101	1	06/25/14 12:30	06/27/14 18:54	4165-62-2	
2-Fluorophenol (S)	78 %.		24-104	1	06/25/14 12:30	06/27/14 18:54	367-12-4	
2,4,6-Tribromophenol (S)	85 %.		16-122	1	06/25/14 12:30	06/27/14 18:54	118-79-6	

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ANALYTICAL RESULTS

Project: Sibley-Accucast/2339-356-03-00

Project No.: 5099688

Sample: TMW-4(14-16) **Lab ID: 5099688003** Collected: 06/20/14 12:45 Received: 06/21/14 10:54 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA		Analytical Method: EPA 8260						
Acetone	ND	ug/kg	111	1		07/02/14 20:21	67-64-1	
Acrolein	ND	ug/kg	111	1		07/02/14 20:21	107-02-8	
Acrylonitrile	ND	ug/kg	111	1		07/02/14 20:21	107-13-1	
Benzene	ND	ug/kg	5.6	1		07/02/14 20:21	71-43-2	
Bromobenzene	ND	ug/kg	5.6	1		07/02/14 20:21	108-86-1	
Bromochloromethane	ND	ug/kg	5.6	1		07/02/14 20:21	74-97-5	
Bromodichloromethane	ND	ug/kg	5.6	1		07/02/14 20:21	75-27-4	
Bromoform	ND	ug/kg	5.6	1		07/02/14 20:21	75-25-2	
Bromomethane	ND	ug/kg	5.6	1		07/02/14 20:21	74-83-9	
2-Butanone (MEK)	ND	ug/kg	27.8	1		07/02/14 20:21	78-93-3	
n-Butylbenzene	ND	ug/kg	5.6	1		07/02/14 20:21	104-51-8	
sec-Butylbenzene	ND	ug/kg	5.6	1		07/02/14 20:21	135-98-8	
tert-Butylbenzene	ND	ug/kg	5.6	1		07/02/14 20:21	98-06-6	
Carbon disulfide	ND	ug/kg	11.1	1		07/02/14 20:21	75-15-0	
Carbon tetrachloride	ND	ug/kg	5.6	1		07/02/14 20:21	56-23-5	
Chlorobenzene	ND	ug/kg	5.6	1		07/02/14 20:21	108-90-7	
Chloroethane	ND	ug/kg	5.6	1		07/02/14 20:21	75-00-3	
Chloroform	ND	ug/kg	5.6	1		07/02/14 20:21	67-66-3	
Chloromethane	ND	ug/kg	5.6	1		07/02/14 20:21	74-87-3	
2-Chlorotoluene	ND	ug/kg	5.6	1		07/02/14 20:21	95-49-8	
4-Chlorotoluene	ND	ug/kg	5.6	1		07/02/14 20:21	106-43-4	
Dibromochloromethane	ND	ug/kg	5.6	1		07/02/14 20:21	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	5.6	1		07/02/14 20:21	106-93-4	
Dibromomethane	ND	ug/kg	5.6	1		07/02/14 20:21	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	5.6	1		07/02/14 20:21	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	5.6	1		07/02/14 20:21	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	5.6	1		07/02/14 20:21	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/kg	111	1		07/02/14 20:21	110-57-6	
Dichlorodifluoromethane	ND	ug/kg	5.6	1		07/02/14 20:21	75-71-8	
1,1-Dichloroethane	ND	ug/kg	5.6	1		07/02/14 20:21	75-34-3	
1,2-Dichloroethane	ND	ug/kg	5.6	1		07/02/14 20:21	107-06-2	
1,1-Dichloroethene	ND	ug/kg	5.6	1		07/02/14 20:21	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	5.6	1		07/02/14 20:21	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	5.6	1		07/02/14 20:21	156-60-5	
1,2-Dichloropropane	ND	ug/kg	5.6	1		07/02/14 20:21	78-87-5	
1,3-Dichloropropane	ND	ug/kg	5.6	1		07/02/14 20:21	142-28-9	
2,2-Dichloropropane	ND	ug/kg	5.6	1		07/02/14 20:21	594-20-7	
1,1-Dichloropropene	ND	ug/kg	5.6	1		07/02/14 20:21	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	5.6	1		07/02/14 20:21	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	5.6	1		07/02/14 20:21	10061-02-6	
Ethylbenzene	ND	ug/kg	5.6	1		07/02/14 20:21	100-41-4	
Ethyl methacrylate	ND	ug/kg	111	1		07/02/14 20:21	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/kg	5.6	1		07/02/14 20:21	87-68-3	
n-Hexane	ND	ug/kg	5.6	1		07/02/14 20:21	110-54-3	N2
2-Hexanone	ND	ug/kg	111	1		07/02/14 20:21	591-78-6	
Iodomethane	ND	ug/kg	111	1		07/02/14 20:21	74-88-4	

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ANALYTICAL RESULTS

Project: Sibley-Accucast/2339-356-03-00

Pace Project No.: 5099688

Sample: TMW-4(14-16) **Lab ID: 5099688003** Collected: 06/20/14 12:45 Received: 06/21/14 10:54 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA		Analytical Method: EPA 8260						
Isopropylbenzene (Cumene)	ND	ug/kg	5.6	1		07/02/14 20:21	98-82-8	
p-Isopropyltoluene	ND	ug/kg	5.6	1		07/02/14 20:21	99-87-6	
Methylene Chloride	ND	ug/kg	22.2	1		07/02/14 20:21	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	27.8	1		07/02/14 20:21	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	5.6	1		07/02/14 20:21	1634-04-4	
Naphthalene	ND	ug/kg	5.6	1		07/02/14 20:21	91-20-3	
n-Propylbenzene	ND	ug/kg	5.6	1		07/02/14 20:21	103-65-1	
Styrene	ND	ug/kg	5.6	1		07/02/14 20:21	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	5.6	1		07/02/14 20:21	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	5.6	1		07/02/14 20:21	79-34-5	
Tetrachloroethene	ND	ug/kg	5.6	1		07/02/14 20:21	127-18-4	
Toluene	ND	ug/kg	5.6	1		07/02/14 20:21	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	5.6	1		07/02/14 20:21	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	5.6	1		07/02/14 20:21	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	5.6	1		07/02/14 20:21	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	5.6	1		07/02/14 20:21	79-00-5	
Trichloroethene	ND	ug/kg	5.6	1		07/02/14 20:21	79-01-6	
Trichlorofluoromethane	ND	ug/kg	5.6	1		07/02/14 20:21	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	5.6	1		07/02/14 20:21	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	5.6	1		07/02/14 20:21	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	5.6	1		07/02/14 20:21	108-67-8	
Vinyl acetate	ND	ug/kg	111	1		07/02/14 20:21	108-05-4	
Vinyl chloride	ND	ug/kg	5.6	1		07/02/14 20:21	75-01-4	
Xylene (Total)	ND	ug/kg	11.1	1		07/02/14 20:21	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	95 %		85-118	1		07/02/14 20:21	1868-53-7	
Toluene-d8 (S)	94 %		71-128	1		07/02/14 20:21	2037-26-5	
4-Bromofluorobenzene (S)	98 %		56-144	1		07/02/14 20:21	460-00-4	
Percent Moisture		Analytical Method: ASTM D2974-87						
Percent Moisture	10.9 %		0.10	1		06/26/14 11:50		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Sibley-Accucast/2339-356-03-00

Pace Project No.: 5099688

Sample: TMW-4(5-7) **Lab ID: 5099688004** Collected: 06/20/14 11:55 Received: 06/21/14 10:54 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB								
Analytical Method: EPA 8082 Preparation Method: EPA 3546								
PCB-1016 (Aroclor 1016)	ND	ug/kg	104	1	06/26/14 11:14	06/27/14 03:31	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/kg	104	1	06/26/14 11:14	06/27/14 03:31	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/kg	104	1	06/26/14 11:14	06/27/14 03:31	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/kg	104	1	06/26/14 11:14	06/27/14 03:31	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/kg	104	1	06/26/14 11:14	06/27/14 03:31	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/kg	104	1	06/26/14 11:14	06/27/14 03:31	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	ug/kg	104	1	06/26/14 11:14	06/27/14 03:31	11096-82-5	
Surrogates								
Tetrachloro-m-xylene (S)	91 %		30-106	1	06/26/14 11:14	06/27/14 03:31	877-09-8	
6010 MET ICP								
Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Antimony	ND	mg/kg	1.0	1	06/23/14 10:03	06/24/14 10:49	7440-36-0	
Arsenic	4.0	mg/kg	1.0	1	06/23/14 10:03	06/24/14 10:49	7440-38-2	
Chromium	6.7	mg/kg	1.0	1	06/23/14 10:03	06/24/14 10:49	7440-47-3	
Cobalt	2.2	mg/kg	1.0	1	06/23/14 10:03	06/24/14 10:49	7440-48-4	
Iron	7150	mg/kg	52.0	1	06/23/14 10:03	06/24/14 10:49	7439-89-6	
Lead	4.5	mg/kg	1.0	1	06/23/14 10:03	06/24/14 10:49	7439-92-1	
Selenium	ND	mg/kg	1.0	1	06/23/14 10:03	06/24/14 10:49	7782-49-2	
Thallium	2.3	mg/kg	1.0	1	06/23/14 10:03	06/24/14 10:49	7440-28-0	
8270 MSSV SHORT LIST MICROWAVE								
Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Acenaphthene	ND	ug/kg	343	1	06/25/14 12:30	06/27/14 19:18	83-32-9	
Acenaphthylene	ND	ug/kg	343	1	06/25/14 12:30	06/27/14 19:18	208-96-8	
Anthracene	ND	ug/kg	343	1	06/25/14 12:30	06/27/14 19:18	120-12-7	
Benzo(a)anthracene	ND	ug/kg	343	1	06/25/14 12:30	06/27/14 19:18	56-55-3	
Benzo(a)pyrene	ND	ug/kg	177	1	06/25/14 12:30	06/27/14 19:18	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	343	1	06/25/14 12:30	06/27/14 19:18	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	343	1	06/25/14 12:30	06/27/14 19:18	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	343	1	06/25/14 12:30	06/27/14 19:18	207-08-9	
Benzyl alcohol	ND	ug/kg	686	1	06/25/14 12:30	06/27/14 19:18	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	343	1	06/25/14 12:30	06/27/14 19:18	101-55-3	
Butylbenzylphthalate	ND	ug/kg	343	1	06/25/14 12:30	06/27/14 19:18	85-68-7	
4-Chloro-3-methylphenol	ND	ug/kg	686	1	06/25/14 12:30	06/27/14 19:18	59-50-7	
4-Chloroaniline	ND	ug/kg	686	1	06/25/14 12:30	06/27/14 19:18	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	343	1	06/25/14 12:30	06/27/14 19:18	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	343	1	06/25/14 12:30	06/27/14 19:18	111-44-4	
bis(2chloro1methylethyl) ether	ND	ug/kg	343	1	06/25/14 12:30	06/27/14 19:18	108-60-1	
2-Chloronaphthalene	ND	ug/kg	343	1	06/25/14 12:30	06/27/14 19:18	91-58-7	
2-Chlorophenol	ND	ug/kg	343	1	06/25/14 12:30	06/27/14 19:18	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	343	1	06/25/14 12:30	06/27/14 19:18	7005-72-3	
Chrysene	ND	ug/kg	343	1	06/25/14 12:30	06/27/14 19:18	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	177	1	06/25/14 12:30	06/27/14 19:18	53-70-3	
Dibenzofuran	ND	ug/kg	343	1	06/25/14 12:30	06/27/14 19:18	132-64-9	
3,3'-Dichlorobenzidine	ND	ug/kg	686	1	06/25/14 12:30	06/27/14 19:18	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	343	1	06/25/14 12:30	06/27/14 19:18	120-83-2	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Sibley-Accucast/2339-356-03-00

Pace Project No.: 5099688

Sample: TMW-4(5-7) **Lab ID: 5099688004** Collected: 06/20/14 11:55 Received: 06/21/14 10:54 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV SHORT LIST		Analytical Method: EPA 8270 Preparation Method: EPA 3546						
MICROWAVE								
Diethylphthalate	ND ug/kg		343	1	06/25/14 12:30	06/27/14 19:18	84-66-2	
2,4-Dimethylphenol	ND ug/kg		343	1	06/25/14 12:30	06/27/14 19:18	105-67-9	
Dimethylphthalate	ND ug/kg		343	1	06/25/14 12:30	06/27/14 19:18	131-11-3	
Di-n-butylphthalate	ND ug/kg		343	1	06/25/14 12:30	06/27/14 19:18	84-74-2	
4,6-Dinitro-2-methylphenol	ND ug/kg		1660	1	06/25/14 12:30	06/27/14 19:18	534-52-1	
2,4-Dinitrophenol	ND ug/kg		1660	1	06/25/14 12:30	06/27/14 19:18	51-28-5	
2,4-Dinitrotoluene	ND ug/kg		343	1	06/25/14 12:30	06/27/14 19:18	121-14-2	
2,6-Dinitrotoluene	ND ug/kg		343	1	06/25/14 12:30	06/27/14 19:18	606-20-2	
Di-n-octylphthalate	ND ug/kg		343	1	06/25/14 12:30	06/27/14 19:18	117-84-0	
bis(2-Ethylhexyl)phthalate	ND ug/kg		343	1	06/25/14 12:30	06/27/14 19:18	117-81-7	
Fluoranthene	ND ug/kg		343	1	06/25/14 12:30	06/27/14 19:18	206-44-0	
Fluorene	ND ug/kg		343	1	06/25/14 12:30	06/27/14 19:18	86-73-7	
Hexachloro-1,3-butadiene	ND ug/kg		343	1	06/25/14 12:30	06/27/14 19:18	87-68-3	
Hexachlorobenzene	ND ug/kg		343	1	06/25/14 12:30	06/27/14 19:18	118-74-1	
Hexachlorocyclopentadiene	ND ug/kg		343	1	06/25/14 12:30	06/27/14 19:18	77-47-4	
Hexachloroethane	ND ug/kg		343	1	06/25/14 12:30	06/27/14 19:18	67-72-1	
Indeno(1,2,3-cd)pyrene	ND ug/kg		343	1	06/25/14 12:30	06/27/14 19:18	193-39-5	
Isophorone	ND ug/kg		343	1	06/25/14 12:30	06/27/14 19:18	78-59-1	
2-Methylnaphthalene	ND ug/kg		343	1	06/25/14 12:30	06/27/14 19:18	91-57-6	
2-Methylphenol(o-Cresol)	ND ug/kg		343	1	06/25/14 12:30	06/27/14 19:18	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND ug/kg		686	1	06/25/14 12:30	06/27/14 19:18		
Naphthalene	ND ug/kg		343	1	06/25/14 12:30	06/27/14 19:18	91-20-3	
2-Nitroaniline	ND ug/kg		1660	1	06/25/14 12:30	06/27/14 19:18	88-74-4	
3-Nitroaniline	ND ug/kg		1660	1	06/25/14 12:30	06/27/14 19:18	99-09-2	
4-Nitroaniline	ND ug/kg		1660	1	06/25/14 12:30	06/27/14 19:18	100-01-6	
Nitrobenzene	ND ug/kg		343	1	06/25/14 12:30	06/27/14 19:18	98-95-3	
2-Nitrophenol	ND ug/kg		343	1	06/25/14 12:30	06/27/14 19:18	88-75-5	
4-Nitrophenol	ND ug/kg		1660	1	06/25/14 12:30	06/27/14 19:18	100-02-7	
N-Nitroso-di-n-propylamine	ND ug/kg		343	1	06/25/14 12:30	06/27/14 19:18	621-64-7	
N-Nitrosodiphenylamine	ND ug/kg		343	1	06/25/14 12:30	06/27/14 19:18	86-30-6	
Pentachlorophenol	ND ug/kg		1660	1	06/25/14 12:30	06/27/14 19:18	87-86-5	
Phenanthrene	ND ug/kg		343	1	06/25/14 12:30	06/27/14 19:18	85-01-8	
Phenol	ND ug/kg		343	1	06/25/14 12:30	06/27/14 19:18	108-95-2	
Pyrene	ND ug/kg		343	1	06/25/14 12:30	06/27/14 19:18	129-00-0	
2,4,5-Trichlorophenol	ND ug/kg		343	1	06/25/14 12:30	06/27/14 19:18	95-95-4	
2,4,6-Trichlorophenol	ND ug/kg		343	1	06/25/14 12:30	06/27/14 19:18	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	75 %.		28-101	1	06/25/14 12:30	06/27/14 19:18	4165-60-0	
2-Fluorobiphenyl (S)	78 %.		31-94	1	06/25/14 12:30	06/27/14 19:18	321-60-8	
p-Terphenyl-d14 (S)	103 %.		26-110	1	06/25/14 12:30	06/27/14 19:18	1718-51-0	
Phenol-d5 (S)	78 %.		28-101	1	06/25/14 12:30	06/27/14 19:18	4165-62-2	
2-Fluorophenol (S)	75 %.		24-104	1	06/25/14 12:30	06/27/14 19:18	367-12-4	
2,4,6-Tribromophenol (S)	80 %.		16-122	1	06/25/14 12:30	06/27/14 19:18	118-79-6	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Sibley-Accucast/2339-356-03-00

Pace Project No.: 5099688

Sample: TMW-4(5-7) **Lab ID: 5099688004** Collected: 06/20/14 11:55 Received: 06/21/14 10:54 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA		Analytical Method: EPA 8260						
Acetone	ND	ug/kg	93.2	1		07/02/14 20:53	67-64-1	
Acrolein	ND	ug/kg	93.2	1		07/02/14 20:53	107-02-8	
Acrylonitrile	ND	ug/kg	93.2	1		07/02/14 20:53	107-13-1	
Benzene	ND	ug/kg	4.7	1		07/02/14 20:53	71-43-2	
Bromobenzene	ND	ug/kg	4.7	1		07/02/14 20:53	108-86-1	
Bromochloromethane	ND	ug/kg	4.7	1		07/02/14 20:53	74-97-5	
Bromodichloromethane	ND	ug/kg	4.7	1		07/02/14 20:53	75-27-4	
Bromoform	ND	ug/kg	4.7	1		07/02/14 20:53	75-25-2	
Bromomethane	ND	ug/kg	4.7	1		07/02/14 20:53	74-83-9	
2-Butanone (MEK)	ND	ug/kg	23.3	1		07/02/14 20:53	78-93-3	
n-Butylbenzene	ND	ug/kg	4.7	1		07/02/14 20:53	104-51-8	
sec-Butylbenzene	ND	ug/kg	4.7	1		07/02/14 20:53	135-98-8	
tert-Butylbenzene	ND	ug/kg	4.7	1		07/02/14 20:53	98-06-6	
Carbon disulfide	ND	ug/kg	9.3	1		07/02/14 20:53	75-15-0	
Carbon tetrachloride	ND	ug/kg	4.7	1		07/02/14 20:53	56-23-5	
Chlorobenzene	ND	ug/kg	4.7	1		07/02/14 20:53	108-90-7	
Chloroethane	ND	ug/kg	4.7	1		07/02/14 20:53	75-00-3	
Chloroform	ND	ug/kg	4.7	1		07/02/14 20:53	67-66-3	
Chloromethane	ND	ug/kg	4.7	1		07/02/14 20:53	74-87-3	
2-Chlorotoluene	ND	ug/kg	4.7	1		07/02/14 20:53	95-49-8	
4-Chlorotoluene	ND	ug/kg	4.7	1		07/02/14 20:53	106-43-4	
Dibromochloromethane	ND	ug/kg	4.7	1		07/02/14 20:53	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	4.7	1		07/02/14 20:53	106-93-4	
Dibromomethane	ND	ug/kg	4.7	1		07/02/14 20:53	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	4.7	1		07/02/14 20:53	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	4.7	1		07/02/14 20:53	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	4.7	1		07/02/14 20:53	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/kg	93.2	1		07/02/14 20:53	110-57-6	
Dichlorodifluoromethane	ND	ug/kg	4.7	1		07/02/14 20:53	75-71-8	
1,1-Dichloroethane	ND	ug/kg	4.7	1		07/02/14 20:53	75-34-3	
1,2-Dichloroethane	ND	ug/kg	4.7	1		07/02/14 20:53	107-06-2	
1,1-Dichloroethene	ND	ug/kg	4.7	1		07/02/14 20:53	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	4.7	1		07/02/14 20:53	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	4.7	1		07/02/14 20:53	156-60-5	
1,2-Dichloropropane	ND	ug/kg	4.7	1		07/02/14 20:53	78-87-5	
1,3-Dichloropropane	ND	ug/kg	4.7	1		07/02/14 20:53	142-28-9	
2,2-Dichloropropane	ND	ug/kg	4.7	1		07/02/14 20:53	594-20-7	
1,1-Dichloropropene	ND	ug/kg	4.7	1		07/02/14 20:53	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	4.7	1		07/02/14 20:53	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	4.7	1		07/02/14 20:53	10061-02-6	
Ethylbenzene	ND	ug/kg	4.7	1		07/02/14 20:53	100-41-4	
Ethyl methacrylate	ND	ug/kg	93.2	1		07/02/14 20:53	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/kg	4.7	1		07/02/14 20:53	87-68-3	
n-Hexane	ND	ug/kg	4.7	1		07/02/14 20:53	110-54-3	N2
2-Hexanone	ND	ug/kg	93.2	1		07/02/14 20:53	591-78-6	
Iodomethane	ND	ug/kg	93.2	1		07/02/14 20:53	74-88-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Sibley-Accucast/2339-356-03-00

Pace Project No.: 5099688

Sample: TMW-4(5-7) **Lab ID: 5099688004** Collected: 06/20/14 11:55 Received: 06/21/14 10:54 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA		Analytical Method: EPA 8260						
Isopropylbenzene (Cumene)	ND	ug/kg	4.7	1		07/02/14 20:53	98-82-8	
p-Isopropyltoluene	ND	ug/kg	4.7	1		07/02/14 20:53	99-87-6	
Methylene Chloride	ND	ug/kg	18.6	1		07/02/14 20:53	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	23.3	1		07/02/14 20:53	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	4.7	1		07/02/14 20:53	1634-04-4	
Naphthalene	ND	ug/kg	4.7	1		07/02/14 20:53	91-20-3	
n-Propylbenzene	ND	ug/kg	4.7	1		07/02/14 20:53	103-65-1	
Styrene	ND	ug/kg	4.7	1		07/02/14 20:53	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	4.7	1		07/02/14 20:53	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	4.7	1		07/02/14 20:53	79-34-5	
Tetrachloroethene	ND	ug/kg	4.7	1		07/02/14 20:53	127-18-4	
Toluene	ND	ug/kg	4.7	1		07/02/14 20:53	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	4.7	1		07/02/14 20:53	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	4.7	1		07/02/14 20:53	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	4.7	1		07/02/14 20:53	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	4.7	1		07/02/14 20:53	79-00-5	
Trichloroethene	ND	ug/kg	4.7	1		07/02/14 20:53	79-01-6	
Trichlorofluoromethane	ND	ug/kg	4.7	1		07/02/14 20:53	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	4.7	1		07/02/14 20:53	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	4.7	1		07/02/14 20:53	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	4.7	1		07/02/14 20:53	108-67-8	
Vinyl acetate	ND	ug/kg	93.2	1		07/02/14 20:53	108-05-4	
Vinyl chloride	ND	ug/kg	4.7	1		07/02/14 20:53	75-01-4	
Xylene (Total)	ND	ug/kg	9.3	1		07/02/14 20:53	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	95 %		85-118	1		07/02/14 20:53	1868-53-7	
Toluene-d8 (S)	94 %		71-128	1		07/02/14 20:53	2037-26-5	
4-Bromofluorobenzene (S)	98 %		56-144	1		07/02/14 20:53	460-00-4	

Percent Moisture

Analytical Method: ASTM D2974-87

Percent Moisture	4.4 %		0.10	1		06/26/14 11:51		
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REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Sibley-Accucast/2339-356-03-00

Pace Project No.: 5099688

Sample: P-5(10-12) **Lab ID: 5099688005** Collected: 06/20/14 11:05 Received: 06/21/14 10:54 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB								
Analytical Method: EPA 8082 Preparation Method: EPA 3546								
PCB-1016 (Aroclor 1016)	ND	ug/kg	103	1	06/26/14 11:14	06/27/14 03:37	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/kg	103	1	06/26/14 11:14	06/27/14 03:37	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/kg	103	1	06/26/14 11:14	06/27/14 03:37	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/kg	103	1	06/26/14 11:14	06/27/14 03:37	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/kg	103	1	06/26/14 11:14	06/27/14 03:37	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/kg	103	1	06/26/14 11:14	06/27/14 03:37	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	ug/kg	103	1	06/26/14 11:14	06/27/14 03:37	11096-82-5	
Surrogates								
Tetrachloro-m-xylene (S)	76 %.		30-106	1	06/26/14 11:14	06/27/14 03:37	877-09-8	
6010 MET ICP								
Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Antimony	ND	mg/kg	0.87	1	06/23/14 10:03	06/24/14 10:51	7440-36-0	
Arsenic	2.0	mg/kg	0.87	1	06/23/14 10:03	06/24/14 10:51	7440-38-2	
Chromium	3.5	mg/kg	0.87	1	06/23/14 10:03	06/24/14 10:51	7440-47-3	
Cobalt	1.1	mg/kg	0.87	1	06/23/14 10:03	06/24/14 10:51	7440-48-4	
Iron	4140	mg/kg	43.4	1	06/23/14 10:03	06/24/14 10:51	7439-89-6	
Lead	2.6	mg/kg	0.87	1	06/23/14 10:03	06/24/14 10:51	7439-92-1	
Selenium	ND	mg/kg	0.87	1	06/23/14 10:03	06/24/14 10:51	7782-49-2	
Thallium	1.5	mg/kg	0.87	1	06/23/14 10:03	06/24/14 10:51	7440-28-0	
8270 MSSV SHORT LIST MICROWAVE								
Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Acenaphthene	ND	ug/kg	339	1	06/25/14 12:30	06/27/14 19:41	83-32-9	
Acenaphthylene	ND	ug/kg	339	1	06/25/14 12:30	06/27/14 19:41	208-96-8	
Anthracene	ND	ug/kg	339	1	06/25/14 12:30	06/27/14 19:41	120-12-7	
Benzo(a)anthracene	ND	ug/kg	339	1	06/25/14 12:30	06/27/14 19:41	56-55-3	
Benzo(a)pyrene	ND	ug/kg	174	1	06/25/14 12:30	06/27/14 19:41	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	339	1	06/25/14 12:30	06/27/14 19:41	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	339	1	06/25/14 12:30	06/27/14 19:41	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	339	1	06/25/14 12:30	06/27/14 19:41	207-08-9	
Benzyl alcohol	ND	ug/kg	677	1	06/25/14 12:30	06/27/14 19:41	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	339	1	06/25/14 12:30	06/27/14 19:41	101-55-3	
Butylbenzylphthalate	ND	ug/kg	339	1	06/25/14 12:30	06/27/14 19:41	85-68-7	
4-Chloro-3-methylphenol	ND	ug/kg	677	1	06/25/14 12:30	06/27/14 19:41	59-50-7	
4-Chloroaniline	ND	ug/kg	677	1	06/25/14 12:30	06/27/14 19:41	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	339	1	06/25/14 12:30	06/27/14 19:41	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	339	1	06/25/14 12:30	06/27/14 19:41	111-44-4	
bis(2chloro1methylethyl) ether	ND	ug/kg	339	1	06/25/14 12:30	06/27/14 19:41	108-60-1	
2-Chloronaphthalene	ND	ug/kg	339	1	06/25/14 12:30	06/27/14 19:41	91-58-7	
2-Chlorophenol	ND	ug/kg	339	1	06/25/14 12:30	06/27/14 19:41	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	339	1	06/25/14 12:30	06/27/14 19:41	7005-72-3	
Chrysene	ND	ug/kg	339	1	06/25/14 12:30	06/27/14 19:41	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	174	1	06/25/14 12:30	06/27/14 19:41	53-70-3	
Dibenzofuran	ND	ug/kg	339	1	06/25/14 12:30	06/27/14 19:41	132-64-9	
3,3'-Dichlorobenzidine	ND	ug/kg	677	1	06/25/14 12:30	06/27/14 19:41	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	339	1	06/25/14 12:30	06/27/14 19:41	120-83-2	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Sibley-Accucast/2339-356-03-00

Pace Project No.: 5099688

Sample: P-5(10-12) **Lab ID: 5099688005** Collected: 06/20/14 11:05 Received: 06/21/14 10:54 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV SHORT LIST		Analytical Method: EPA 8270 Preparation Method: EPA 3546						
MICROWAVE								
Diethylphthalate	ND	ug/kg	339	1	06/25/14 12:30	06/27/14 19:41	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	339	1	06/25/14 12:30	06/27/14 19:41	105-67-9	
Dimethylphthalate	ND	ug/kg	339	1	06/25/14 12:30	06/27/14 19:41	131-11-3	
Di-n-butylphthalate	ND	ug/kg	339	1	06/25/14 12:30	06/27/14 19:41	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	1640	1	06/25/14 12:30	06/27/14 19:41	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	1640	1	06/25/14 12:30	06/27/14 19:41	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	339	1	06/25/14 12:30	06/27/14 19:41	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	339	1	06/25/14 12:30	06/27/14 19:41	606-20-2	
Di-n-octylphthalate	ND	ug/kg	339	1	06/25/14 12:30	06/27/14 19:41	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	339	1	06/25/14 12:30	06/27/14 19:41	117-81-7	
Fluoranthene	ND	ug/kg	339	1	06/25/14 12:30	06/27/14 19:41	206-44-0	
Fluorene	ND	ug/kg	339	1	06/25/14 12:30	06/27/14 19:41	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/kg	339	1	06/25/14 12:30	06/27/14 19:41	87-68-3	
Hexachlorobenzene	ND	ug/kg	339	1	06/25/14 12:30	06/27/14 19:41	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	339	1	06/25/14 12:30	06/27/14 19:41	77-47-4	
Hexachloroethane	ND	ug/kg	339	1	06/25/14 12:30	06/27/14 19:41	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	339	1	06/25/14 12:30	06/27/14 19:41	193-39-5	
Isophorone	ND	ug/kg	339	1	06/25/14 12:30	06/27/14 19:41	78-59-1	
2-Methylnaphthalene	ND	ug/kg	339	1	06/25/14 12:30	06/27/14 19:41	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	339	1	06/25/14 12:30	06/27/14 19:41	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	677	1	06/25/14 12:30	06/27/14 19:41		
Naphthalene	ND	ug/kg	339	1	06/25/14 12:30	06/27/14 19:41	91-20-3	
2-Nitroaniline	ND	ug/kg	1640	1	06/25/14 12:30	06/27/14 19:41	88-74-4	
3-Nitroaniline	ND	ug/kg	1640	1	06/25/14 12:30	06/27/14 19:41	99-09-2	
4-Nitroaniline	ND	ug/kg	1640	1	06/25/14 12:30	06/27/14 19:41	100-01-6	
Nitrobenzene	ND	ug/kg	339	1	06/25/14 12:30	06/27/14 19:41	98-95-3	
2-Nitrophenol	ND	ug/kg	339	1	06/25/14 12:30	06/27/14 19:41	88-75-5	
4-Nitrophenol	ND	ug/kg	1640	1	06/25/14 12:30	06/27/14 19:41	100-02-7	
N-Nitroso-di-n-propylamine	ND	ug/kg	339	1	06/25/14 12:30	06/27/14 19:41	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	339	1	06/25/14 12:30	06/27/14 19:41	86-30-6	
Pentachlorophenol	ND	ug/kg	1640	1	06/25/14 12:30	06/27/14 19:41	87-86-5	
Phenanthrene	ND	ug/kg	339	1	06/25/14 12:30	06/27/14 19:41	85-01-8	
Phenol	ND	ug/kg	339	1	06/25/14 12:30	06/27/14 19:41	108-95-2	
Pyrene	ND	ug/kg	339	1	06/25/14 12:30	06/27/14 19:41	129-00-0	
2,4,5-Trichlorophenol	ND	ug/kg	339	1	06/25/14 12:30	06/27/14 19:41	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	339	1	06/25/14 12:30	06/27/14 19:41	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	76 %.		28-101	1	06/25/14 12:30	06/27/14 19:41	4165-60-0	
2-Fluorobiphenyl (S)	77 %.		31-94	1	06/25/14 12:30	06/27/14 19:41	321-60-8	
p-Terphenyl-d14 (S)	108 %.		26-110	1	06/25/14 12:30	06/27/14 19:41	1718-51-0	
Phenol-d5 (S)	79 %.		28-101	1	06/25/14 12:30	06/27/14 19:41	4165-62-2	
2-Fluorophenol (S)	77 %.		24-104	1	06/25/14 12:30	06/27/14 19:41	367-12-4	
2,4,6-Tribromophenol (S)	79 %.		16-122	1	06/25/14 12:30	06/27/14 19:41	118-79-6	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Sibley-Accucast/2339-356-03-00

Pace Project No.: 5099688

Sample: P-5(10-12) **Lab ID: 5099688005** Collected: 06/20/14 11:05 Received: 06/21/14 10:54 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA		Analytical Method: EPA 8260						
Acetone	ND	ug/kg	98.1	1		07/03/14 05:01	67-64-1	
Acrolein	ND	ug/kg	98.1	1		07/03/14 05:01	107-02-8	
Acrylonitrile	ND	ug/kg	98.1	1		07/03/14 05:01	107-13-1	
Benzene	ND	ug/kg	4.9	1		07/03/14 05:01	71-43-2	
Bromobenzene	ND	ug/kg	4.9	1		07/03/14 05:01	108-86-1	
Bromochloromethane	ND	ug/kg	4.9	1		07/03/14 05:01	74-97-5	
Bromodichloromethane	ND	ug/kg	4.9	1		07/03/14 05:01	75-27-4	
Bromoform	ND	ug/kg	4.9	1		07/03/14 05:01	75-25-2	
Bromomethane	ND	ug/kg	4.9	1		07/03/14 05:01	74-83-9	
2-Butanone (MEK)	ND	ug/kg	24.5	1		07/03/14 05:01	78-93-3	
n-Butylbenzene	ND	ug/kg	4.9	1		07/03/14 05:01	104-51-8	
sec-Butylbenzene	ND	ug/kg	4.9	1		07/03/14 05:01	135-98-8	
tert-Butylbenzene	ND	ug/kg	4.9	1		07/03/14 05:01	98-06-6	
Carbon disulfide	ND	ug/kg	9.8	1		07/03/14 05:01	75-15-0	
Carbon tetrachloride	ND	ug/kg	4.9	1		07/03/14 05:01	56-23-5	
Chlorobenzene	ND	ug/kg	4.9	1		07/03/14 05:01	108-90-7	
Chloroethane	ND	ug/kg	4.9	1		07/03/14 05:01	75-00-3	
Chloroform	ND	ug/kg	4.9	1		07/03/14 05:01	67-66-3	
Chloromethane	ND	ug/kg	4.9	1		07/03/14 05:01	74-87-3	
2-Chlorotoluene	ND	ug/kg	4.9	1		07/03/14 05:01	95-49-8	
4-Chlorotoluene	ND	ug/kg	4.9	1		07/03/14 05:01	106-43-4	
Dibromochloromethane	ND	ug/kg	4.9	1		07/03/14 05:01	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	4.9	1		07/03/14 05:01	106-93-4	
Dibromomethane	ND	ug/kg	4.9	1		07/03/14 05:01	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	4.9	1		07/03/14 05:01	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	4.9	1		07/03/14 05:01	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	4.9	1		07/03/14 05:01	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/kg	98.1	1		07/03/14 05:01	110-57-6	
Dichlorodifluoromethane	ND	ug/kg	4.9	1		07/03/14 05:01	75-71-8	
1,1-Dichloroethane	ND	ug/kg	4.9	1		07/03/14 05:01	75-34-3	
1,2-Dichloroethane	ND	ug/kg	4.9	1		07/03/14 05:01	107-06-2	
1,1-Dichloroethene	ND	ug/kg	4.9	1		07/03/14 05:01	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	4.9	1		07/03/14 05:01	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	4.9	1		07/03/14 05:01	156-60-5	
1,2-Dichloropropane	ND	ug/kg	4.9	1		07/03/14 05:01	78-87-5	
1,3-Dichloropropane	ND	ug/kg	4.9	1		07/03/14 05:01	142-28-9	
2,2-Dichloropropane	ND	ug/kg	4.9	1		07/03/14 05:01	594-20-7	
1,1-Dichloropropene	ND	ug/kg	4.9	1		07/03/14 05:01	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	4.9	1		07/03/14 05:01	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	4.9	1		07/03/14 05:01	10061-02-6	
Ethylbenzene	ND	ug/kg	4.9	1		07/03/14 05:01	100-41-4	
Ethyl methacrylate	ND	ug/kg	98.1	1		07/03/14 05:01	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/kg	4.9	1		07/03/14 05:01	87-68-3	
n-Hexane	ND	ug/kg	4.9	1		07/03/14 05:01	110-54-3	N2
2-Hexanone	ND	ug/kg	98.1	1		07/03/14 05:01	591-78-6	
Iodomethane	ND	ug/kg	98.1	1		07/03/14 05:01	74-88-4	

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ANALYTICAL RESULTS

Project: Sibley-Accucast/2339-356-03-00

Pace Project No.: 5099688

Sample: P-5(10-12) **Lab ID: 5099688005** Collected: 06/20/14 11:05 Received: 06/21/14 10:54 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA		Analytical Method: EPA 8260						
Isopropylbenzene (Cumene)	ND	ug/kg	4.9	1		07/03/14 05:01	98-82-8	
p-Isopropyltoluene	ND	ug/kg	4.9	1		07/03/14 05:01	99-87-6	
Methylene Chloride	ND	ug/kg	19.6	1		07/03/14 05:01	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	24.5	1		07/03/14 05:01	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	4.9	1		07/03/14 05:01	1634-04-4	
Naphthalene	ND	ug/kg	4.9	1		07/03/14 05:01	91-20-3	
n-Propylbenzene	ND	ug/kg	4.9	1		07/03/14 05:01	103-65-1	
Styrene	ND	ug/kg	4.9	1		07/03/14 05:01	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	4.9	1		07/03/14 05:01	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	4.9	1		07/03/14 05:01	79-34-5	
Tetrachloroethene	ND	ug/kg	4.9	1		07/03/14 05:01	127-18-4	
Toluene	ND	ug/kg	4.9	1		07/03/14 05:01	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	4.9	1		07/03/14 05:01	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	4.9	1		07/03/14 05:01	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	4.9	1		07/03/14 05:01	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	4.9	1		07/03/14 05:01	79-00-5	
Trichloroethene	ND	ug/kg	4.9	1		07/03/14 05:01	79-01-6	
Trichlorofluoromethane	ND	ug/kg	4.9	1		07/03/14 05:01	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	4.9	1		07/03/14 05:01	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	4.9	1		07/03/14 05:01	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	4.9	1		07/03/14 05:01	108-67-8	
Vinyl acetate	ND	ug/kg	98.1	1		07/03/14 05:01	108-05-4	
Vinyl chloride	ND	ug/kg	4.9	1		07/03/14 05:01	75-01-4	
Xylene (Total)	ND	ug/kg	9.8	1		07/03/14 05:01	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	100 %.		85-118	1		07/03/14 05:01	1868-53-7	
Toluene-d8 (S)	93 %.		71-128	1		07/03/14 05:01	2037-26-5	
4-Bromofluorobenzene (S)	99 %.		56-144	1		07/03/14 05:01	460-00-4	
Percent Moisture		Analytical Method: ASTM D2974-87						
Percent Moisture	3.9 %		0.10	1		06/26/14 11:51		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Sibley-Accucast/2339-356-03-00

Pace Project No.: 5099688

Sample: P-5(2-4) **Lab ID: 5099688006** Collected: 06/20/14 10:50 Received: 06/21/14 10:54 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB								
Analytical Method: EPA 8082 Preparation Method: EPA 3546								
PCB-1016 (Aroclor 1016)	ND	ug/kg	104	1	06/26/14 11:14	06/27/14 03:43	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/kg	104	1	06/26/14 11:14	06/27/14 03:43	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/kg	104	1	06/26/14 11:14	06/27/14 03:43	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/kg	104	1	06/26/14 11:14	06/27/14 03:43	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/kg	104	1	06/26/14 11:14	06/27/14 03:43	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/kg	104	1	06/26/14 11:14	06/27/14 03:43	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	ug/kg	104	1	06/26/14 11:14	06/27/14 03:43	11096-82-5	
Surrogates								
Tetrachloro-m-xylene (S)	81 %.		30-106	1	06/26/14 11:14	06/27/14 03:43	877-09-8	
6010 MET ICP								
Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Antimony	ND	mg/kg	0.93	1	06/23/14 10:03	06/24/14 10:54	7440-36-0	
Arsenic	2.6	mg/kg	0.93	1	06/23/14 10:03	06/24/14 10:54	7440-38-2	
Chromium	6.1	mg/kg	0.93	1	06/23/14 10:03	06/24/14 10:54	7440-47-3	
Cobalt	2.3	mg/kg	0.93	1	06/23/14 10:03	06/24/14 10:54	7440-48-4	
Iron	6780	mg/kg	46.7	1	06/23/14 10:03	06/24/14 10:54	7439-89-6	
Lead	4.1	mg/kg	0.93	1	06/23/14 10:03	06/24/14 10:54	7439-92-1	
Selenium	ND	mg/kg	0.93	1	06/23/14 10:03	06/24/14 10:54	7782-49-2	
Thallium	2.3	mg/kg	0.93	1	06/23/14 10:03	06/24/14 10:54	7440-28-0	
8270 MSSV SHORT LIST MICROWAVE								
Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Acenaphthene	ND	ug/kg	344	1	06/25/14 12:30	06/27/14 20:04	83-32-9	
Acenaphthylene	ND	ug/kg	344	1	06/25/14 12:30	06/27/14 20:04	208-96-8	
Anthracene	ND	ug/kg	344	1	06/25/14 12:30	06/27/14 20:04	120-12-7	
Benzo(a)anthracene	ND	ug/kg	344	1	06/25/14 12:30	06/27/14 20:04	56-55-3	
Benzo(a)pyrene	ND	ug/kg	177	1	06/25/14 12:30	06/27/14 20:04	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	344	1	06/25/14 12:30	06/27/14 20:04	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	344	1	06/25/14 12:30	06/27/14 20:04	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	344	1	06/25/14 12:30	06/27/14 20:04	207-08-9	
Benzyl alcohol	ND	ug/kg	687	1	06/25/14 12:30	06/27/14 20:04	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	344	1	06/25/14 12:30	06/27/14 20:04	101-55-3	
Butylbenzylphthalate	ND	ug/kg	344	1	06/25/14 12:30	06/27/14 20:04	85-68-7	
4-Chloro-3-methylphenol	ND	ug/kg	687	1	06/25/14 12:30	06/27/14 20:04	59-50-7	
4-Chloroaniline	ND	ug/kg	687	1	06/25/14 12:30	06/27/14 20:04	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	344	1	06/25/14 12:30	06/27/14 20:04	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	344	1	06/25/14 12:30	06/27/14 20:04	111-44-4	
bis(2chloro1methylethyl) ether	ND	ug/kg	344	1	06/25/14 12:30	06/27/14 20:04	108-60-1	
2-Chloronaphthalene	ND	ug/kg	344	1	06/25/14 12:30	06/27/14 20:04	91-58-7	
2-Chlorophenol	ND	ug/kg	344	1	06/25/14 12:30	06/27/14 20:04	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	344	1	06/25/14 12:30	06/27/14 20:04	7005-72-3	
Chrysene	ND	ug/kg	344	1	06/25/14 12:30	06/27/14 20:04	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	177	1	06/25/14 12:30	06/27/14 20:04	53-70-3	
Dibenzofuran	ND	ug/kg	344	1	06/25/14 12:30	06/27/14 20:04	132-64-9	
3,3'-Dichlorobenzidine	ND	ug/kg	687	1	06/25/14 12:30	06/27/14 20:04	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	344	1	06/25/14 12:30	06/27/14 20:04	120-83-2	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Sibley-Accucast/2339-356-03-00

Pace Project No.: 5099688

Sample: P-5(2-4) **Lab ID: 5099688006** Collected: 06/20/14 10:50 Received: 06/21/14 10:54 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV SHORT LIST		Analytical Method: EPA 8270 Preparation Method: EPA 3546						
MICROWAVE								
Diethylphthalate	ND ug/kg		344	1	06/25/14 12:30	06/27/14 20:04	84-66-2	
2,4-Dimethylphenol	ND ug/kg		344	1	06/25/14 12:30	06/27/14 20:04	105-67-9	
Dimethylphthalate	ND ug/kg		344	1	06/25/14 12:30	06/27/14 20:04	131-11-3	
Di-n-butylphthalate	ND ug/kg		344	1	06/25/14 12:30	06/27/14 20:04	84-74-2	
4,6-Dinitro-2-methylphenol	ND ug/kg		1670	1	06/25/14 12:30	06/27/14 20:04	534-52-1	
2,4-Dinitrophenol	ND ug/kg		1670	1	06/25/14 12:30	06/27/14 20:04	51-28-5	
2,4-Dinitrotoluene	ND ug/kg		344	1	06/25/14 12:30	06/27/14 20:04	121-14-2	
2,6-Dinitrotoluene	ND ug/kg		344	1	06/25/14 12:30	06/27/14 20:04	606-20-2	
Di-n-octylphthalate	ND ug/kg		344	1	06/25/14 12:30	06/27/14 20:04	117-84-0	
bis(2-Ethylhexyl)phthalate	ND ug/kg		344	1	06/25/14 12:30	06/27/14 20:04	117-81-7	
Fluoranthene	ND ug/kg		344	1	06/25/14 12:30	06/27/14 20:04	206-44-0	
Fluorene	ND ug/kg		344	1	06/25/14 12:30	06/27/14 20:04	86-73-7	
Hexachloro-1,3-butadiene	ND ug/kg		344	1	06/25/14 12:30	06/27/14 20:04	87-68-3	
Hexachlorobenzene	ND ug/kg		344	1	06/25/14 12:30	06/27/14 20:04	118-74-1	
Hexachlorocyclopentadiene	ND ug/kg		344	1	06/25/14 12:30	06/27/14 20:04	77-47-4	
Hexachloroethane	ND ug/kg		344	1	06/25/14 12:30	06/27/14 20:04	67-72-1	
Indeno(1,2,3-cd)pyrene	ND ug/kg		344	1	06/25/14 12:30	06/27/14 20:04	193-39-5	
Isophorone	ND ug/kg		344	1	06/25/14 12:30	06/27/14 20:04	78-59-1	
2-Methylnaphthalene	ND ug/kg		344	1	06/25/14 12:30	06/27/14 20:04	91-57-6	
2-Methylphenol(o-Cresol)	ND ug/kg		344	1	06/25/14 12:30	06/27/14 20:04	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND ug/kg		687	1	06/25/14 12:30	06/27/14 20:04		
Naphthalene	ND ug/kg		344	1	06/25/14 12:30	06/27/14 20:04	91-20-3	
2-Nitroaniline	ND ug/kg		1670	1	06/25/14 12:30	06/27/14 20:04	88-74-4	
3-Nitroaniline	ND ug/kg		1670	1	06/25/14 12:30	06/27/14 20:04	99-09-2	
4-Nitroaniline	ND ug/kg		1670	1	06/25/14 12:30	06/27/14 20:04	100-01-6	
Nitrobenzene	ND ug/kg		344	1	06/25/14 12:30	06/27/14 20:04	98-95-3	
2-Nitrophenol	ND ug/kg		344	1	06/25/14 12:30	06/27/14 20:04	88-75-5	
4-Nitrophenol	ND ug/kg		1670	1	06/25/14 12:30	06/27/14 20:04	100-02-7	
N-Nitroso-di-n-propylamine	ND ug/kg		344	1	06/25/14 12:30	06/27/14 20:04	621-64-7	
N-Nitrosodiphenylamine	ND ug/kg		344	1	06/25/14 12:30	06/27/14 20:04	86-30-6	
Pentachlorophenol	ND ug/kg		1670	1	06/25/14 12:30	06/27/14 20:04	87-86-5	
Phenanthrene	ND ug/kg		344	1	06/25/14 12:30	06/27/14 20:04	85-01-8	
Phenol	ND ug/kg		344	1	06/25/14 12:30	06/27/14 20:04	108-95-2	
Pyrene	ND ug/kg		344	1	06/25/14 12:30	06/27/14 20:04	129-00-0	
2,4,5-Trichlorophenol	ND ug/kg		344	1	06/25/14 12:30	06/27/14 20:04	95-95-4	
2,4,6-Trichlorophenol	ND ug/kg		344	1	06/25/14 12:30	06/27/14 20:04	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	71 %.		28-101	1	06/25/14 12:30	06/27/14 20:04	4165-60-0	
2-Fluorobiphenyl (S)	75 %.		31-94	1	06/25/14 12:30	06/27/14 20:04	321-60-8	
p-Terphenyl-d14 (S)	103 %.		26-110	1	06/25/14 12:30	06/27/14 20:04	1718-51-0	
Phenol-d5 (S)	76 %.		28-101	1	06/25/14 12:30	06/27/14 20:04	4165-62-2	
2-Fluorophenol (S)	73 %.		24-104	1	06/25/14 12:30	06/27/14 20:04	367-12-4	
2,4,6-Tribromophenol (S)	79 %.		16-122	1	06/25/14 12:30	06/27/14 20:04	118-79-6	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Sibley-Accucast/2339-356-03-00

Pace Project No.: 5099688

Sample: P-5(2-4) **Lab ID: 5099688006** Collected: 06/20/14 10:50 Received: 06/21/14 10:54 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA		Analytical Method: EPA 8260						
Acetone	ND	ug/kg	93.6	1		07/03/14 05:33	67-64-1	
Acrolein	ND	ug/kg	93.6	1		07/03/14 05:33	107-02-8	
Acrylonitrile	ND	ug/kg	93.6	1		07/03/14 05:33	107-13-1	
Benzene	ND	ug/kg	4.7	1		07/03/14 05:33	71-43-2	
Bromobenzene	ND	ug/kg	4.7	1		07/03/14 05:33	108-86-1	
Bromochloromethane	ND	ug/kg	4.7	1		07/03/14 05:33	74-97-5	
Bromodichloromethane	ND	ug/kg	4.7	1		07/03/14 05:33	75-27-4	
Bromoform	ND	ug/kg	4.7	1		07/03/14 05:33	75-25-2	
Bromomethane	ND	ug/kg	4.7	1		07/03/14 05:33	74-83-9	
2-Butanone (MEK)	ND	ug/kg	23.4	1		07/03/14 05:33	78-93-3	
n-Butylbenzene	ND	ug/kg	4.7	1		07/03/14 05:33	104-51-8	
sec-Butylbenzene	ND	ug/kg	4.7	1		07/03/14 05:33	135-98-8	
tert-Butylbenzene	ND	ug/kg	4.7	1		07/03/14 05:33	98-06-6	
Carbon disulfide	ND	ug/kg	9.4	1		07/03/14 05:33	75-15-0	
Carbon tetrachloride	ND	ug/kg	4.7	1		07/03/14 05:33	56-23-5	
Chlorobenzene	ND	ug/kg	4.7	1		07/03/14 05:33	108-90-7	
Chloroethane	ND	ug/kg	4.7	1		07/03/14 05:33	75-00-3	
Chloroform	ND	ug/kg	4.7	1		07/03/14 05:33	67-66-3	
Chloromethane	ND	ug/kg	4.7	1		07/03/14 05:33	74-87-3	
2-Chlorotoluene	ND	ug/kg	4.7	1		07/03/14 05:33	95-49-8	
4-Chlorotoluene	ND	ug/kg	4.7	1		07/03/14 05:33	106-43-4	
Dibromochloromethane	ND	ug/kg	4.7	1		07/03/14 05:33	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	4.7	1		07/03/14 05:33	106-93-4	
Dibromomethane	ND	ug/kg	4.7	1		07/03/14 05:33	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	4.7	1		07/03/14 05:33	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	4.7	1		07/03/14 05:33	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	4.7	1		07/03/14 05:33	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/kg	93.6	1		07/03/14 05:33	110-57-6	
Dichlorodifluoromethane	ND	ug/kg	4.7	1		07/03/14 05:33	75-71-8	
1,1-Dichloroethane	ND	ug/kg	4.7	1		07/03/14 05:33	75-34-3	
1,2-Dichloroethane	ND	ug/kg	4.7	1		07/03/14 05:33	107-06-2	
1,1-Dichloroethene	ND	ug/kg	4.7	1		07/03/14 05:33	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	4.7	1		07/03/14 05:33	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	4.7	1		07/03/14 05:33	156-60-5	
1,2-Dichloropropane	ND	ug/kg	4.7	1		07/03/14 05:33	78-87-5	
1,3-Dichloropropane	ND	ug/kg	4.7	1		07/03/14 05:33	142-28-9	
2,2-Dichloropropane	ND	ug/kg	4.7	1		07/03/14 05:33	594-20-7	
1,1-Dichloropropene	ND	ug/kg	4.7	1		07/03/14 05:33	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	4.7	1		07/03/14 05:33	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	4.7	1		07/03/14 05:33	10061-02-6	
Ethylbenzene	ND	ug/kg	4.7	1		07/03/14 05:33	100-41-4	
Ethyl methacrylate	ND	ug/kg	93.6	1		07/03/14 05:33	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/kg	4.7	1		07/03/14 05:33	87-68-3	
n-Hexane	ND	ug/kg	4.7	1		07/03/14 05:33	110-54-3	N2
2-Hexanone	ND	ug/kg	93.6	1		07/03/14 05:33	591-78-6	
Iodomethane	ND	ug/kg	93.6	1		07/03/14 05:33	74-88-4	

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ANALYTICAL RESULTS

Project: Sibley-Accucast/2339-356-03-00

Pace Project No.: 5099688

Sample: P-5(2-4) **Lab ID: 5099688006** Collected: 06/20/14 10:50 Received: 06/21/14 10:54 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA		Analytical Method: EPA 8260						
Isopropylbenzene (Cumene)	ND	ug/kg	4.7	1		07/03/14 05:33	98-82-8	
p-Isopropyltoluene	ND	ug/kg	4.7	1		07/03/14 05:33	99-87-6	
Methylene Chloride	ND	ug/kg	18.7	1		07/03/14 05:33	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	23.4	1		07/03/14 05:33	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	4.7	1		07/03/14 05:33	1634-04-4	
Naphthalene	ND	ug/kg	4.7	1		07/03/14 05:33	91-20-3	
n-Propylbenzene	ND	ug/kg	4.7	1		07/03/14 05:33	103-65-1	
Styrene	ND	ug/kg	4.7	1		07/03/14 05:33	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	4.7	1		07/03/14 05:33	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	4.7	1		07/03/14 05:33	79-34-5	
Tetrachloroethene	ND	ug/kg	4.7	1		07/03/14 05:33	127-18-4	
Toluene	ND	ug/kg	4.7	1		07/03/14 05:33	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	4.7	1		07/03/14 05:33	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	4.7	1		07/03/14 05:33	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	4.7	1		07/03/14 05:33	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	4.7	1		07/03/14 05:33	79-00-5	
Trichloroethene	ND	ug/kg	4.7	1		07/03/14 05:33	79-01-6	
Trichlorofluoromethane	ND	ug/kg	4.7	1		07/03/14 05:33	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	4.7	1		07/03/14 05:33	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	4.7	1		07/03/14 05:33	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	4.7	1		07/03/14 05:33	108-67-8	
Vinyl acetate	ND	ug/kg	93.6	1		07/03/14 05:33	108-05-4	
Vinyl chloride	ND	ug/kg	4.7	1		07/03/14 05:33	75-01-4	
Xylene (Total)	ND	ug/kg	9.4	1		07/03/14 05:33	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	97 %		85-118	1		07/03/14 05:33	1868-53-7	
Toluene-d8 (S)	95 %		71-128	1		07/03/14 05:33	2037-26-5	
4-Bromofluorobenzene (S)	99 %		56-144	1		07/03/14 05:33	460-00-4	
Percent Moisture		Analytical Method: ASTM D2974-87						
Percent Moisture	4.3 %		0.10	1		06/26/14 11:52		

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ANALYTICAL RESULTS

Project: Sibley-Accucast/2339-356-03-00

Pace Project No.: 5099688

Sample: TMW-6(14-16) **Lab ID: 5099688007** Collected: 06/20/14 10:30 Received: 06/21/14 10:54 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB								
Analytical Method: EPA 8082 Preparation Method: EPA 3546								
PCB-1016 (Aroclor 1016)	ND	ug/kg	109	1	06/26/14 11:14	06/27/14 03:49	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/kg	109	1	06/26/14 11:14	06/27/14 03:49	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/kg	109	1	06/26/14 11:14	06/27/14 03:49	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/kg	109	1	06/26/14 11:14	06/27/14 03:49	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/kg	109	1	06/26/14 11:14	06/27/14 03:49	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/kg	109	1	06/26/14 11:14	06/27/14 03:49	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	ug/kg	109	1	06/26/14 11:14	06/27/14 03:49	11096-82-5	
Surrogates								
Tetrachloro-m-xylene (S)	74 %		30-106	1	06/26/14 11:14	06/27/14 03:49	877-09-8	
6010 MET ICP								
Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Antimony	ND	mg/kg	0.97	1	06/23/14 10:03	06/24/14 10:56	7440-36-0	
Arsenic	2.0	mg/kg	0.97	1	06/23/14 10:03	06/24/14 10:56	7440-38-2	
Chromium	3.4	mg/kg	0.97	1	06/23/14 10:03	06/24/14 10:56	7440-47-3	
Cobalt	1.2	mg/kg	0.97	1	06/23/14 10:03	06/24/14 10:56	7440-48-4	
Iron	3310	mg/kg	48.6	1	06/23/14 10:03	06/24/14 10:56	7439-89-6	
Lead	2.4	mg/kg	0.97	1	06/23/14 10:03	06/24/14 10:56	7439-92-1	
Selenium	ND	mg/kg	0.97	1	06/23/14 10:03	06/24/14 10:56	7782-49-2	
Thallium	1.5	mg/kg	0.97	1	06/23/14 10:03	06/24/14 10:56	7440-28-0	
8270 MSSV SHORT LIST MICROWAVE								
Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Acenaphthene	ND	ug/kg	359	1	06/25/14 12:30	06/27/14 20:28	83-32-9	
Acenaphthylene	ND	ug/kg	359	1	06/25/14 12:30	06/27/14 20:28	208-96-8	
Anthracene	ND	ug/kg	359	1	06/25/14 12:30	06/27/14 20:28	120-12-7	
Benzo(a)anthracene	ND	ug/kg	359	1	06/25/14 12:30	06/27/14 20:28	56-55-3	
Benzo(a)pyrene	ND	ug/kg	185	1	06/25/14 12:30	06/27/14 20:28	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	359	1	06/25/14 12:30	06/27/14 20:28	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	359	1	06/25/14 12:30	06/27/14 20:28	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	359	1	06/25/14 12:30	06/27/14 20:28	207-08-9	
Benzyl alcohol	ND	ug/kg	719	1	06/25/14 12:30	06/27/14 20:28	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	359	1	06/25/14 12:30	06/27/14 20:28	101-55-3	
Butylbenzylphthalate	ND	ug/kg	359	1	06/25/14 12:30	06/27/14 20:28	85-68-7	
4-Chloro-3-methylphenol	ND	ug/kg	719	1	06/25/14 12:30	06/27/14 20:28	59-50-7	
4-Chloroaniline	ND	ug/kg	719	1	06/25/14 12:30	06/27/14 20:28	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	359	1	06/25/14 12:30	06/27/14 20:28	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	359	1	06/25/14 12:30	06/27/14 20:28	111-44-4	
bis(2chloro1methylethyl) ether	ND	ug/kg	359	1	06/25/14 12:30	06/27/14 20:28	108-60-1	
2-Chloronaphthalene	ND	ug/kg	359	1	06/25/14 12:30	06/27/14 20:28	91-58-7	
2-Chlorophenol	ND	ug/kg	359	1	06/25/14 12:30	06/27/14 20:28	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	359	1	06/25/14 12:30	06/27/14 20:28	7005-72-3	
Chrysene	ND	ug/kg	359	1	06/25/14 12:30	06/27/14 20:28	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	185	1	06/25/14 12:30	06/27/14 20:28	53-70-3	
Dibenzofuran	ND	ug/kg	359	1	06/25/14 12:30	06/27/14 20:28	132-64-9	
3,3'-Dichlorobenzidine	ND	ug/kg	719	1	06/25/14 12:30	06/27/14 20:28	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	359	1	06/25/14 12:30	06/27/14 20:28	120-83-2	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Sibley-Accucast/2339-356-03-00

Pace Project No.: 5099688

Sample: TMW-6(14-16) **Lab ID: 5099688007** Collected: 06/20/14 10:30 Received: 06/21/14 10:54 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV SHORT LIST		Analytical Method: EPA 8270 Preparation Method: EPA 3546						
MICROWAVE								
Diethylphthalate	ND	ug/kg	359	1	06/25/14 12:30	06/27/14 20:28	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	359	1	06/25/14 12:30	06/27/14 20:28	105-67-9	
Dimethylphthalate	ND	ug/kg	359	1	06/25/14 12:30	06/27/14 20:28	131-11-3	
Di-n-butylphthalate	ND	ug/kg	359	1	06/25/14 12:30	06/27/14 20:28	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	1740	1	06/25/14 12:30	06/27/14 20:28	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	1740	1	06/25/14 12:30	06/27/14 20:28	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	359	1	06/25/14 12:30	06/27/14 20:28	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	359	1	06/25/14 12:30	06/27/14 20:28	606-20-2	
Di-n-octylphthalate	ND	ug/kg	359	1	06/25/14 12:30	06/27/14 20:28	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	359	1	06/25/14 12:30	06/27/14 20:28	117-81-7	
Fluoranthene	ND	ug/kg	359	1	06/25/14 12:30	06/27/14 20:28	206-44-0	
Fluorene	ND	ug/kg	359	1	06/25/14 12:30	06/27/14 20:28	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/kg	359	1	06/25/14 12:30	06/27/14 20:28	87-68-3	
Hexachlorobenzene	ND	ug/kg	359	1	06/25/14 12:30	06/27/14 20:28	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	359	1	06/25/14 12:30	06/27/14 20:28	77-47-4	
Hexachloroethane	ND	ug/kg	359	1	06/25/14 12:30	06/27/14 20:28	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	359	1	06/25/14 12:30	06/27/14 20:28	193-39-5	
Isophorone	ND	ug/kg	359	1	06/25/14 12:30	06/27/14 20:28	78-59-1	
2-Methylnaphthalene	ND	ug/kg	359	1	06/25/14 12:30	06/27/14 20:28	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	359	1	06/25/14 12:30	06/27/14 20:28	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	719	1	06/25/14 12:30	06/27/14 20:28		
Naphthalene	ND	ug/kg	359	1	06/25/14 12:30	06/27/14 20:28	91-20-3	
2-Nitroaniline	ND	ug/kg	1740	1	06/25/14 12:30	06/27/14 20:28	88-74-4	
3-Nitroaniline	ND	ug/kg	1740	1	06/25/14 12:30	06/27/14 20:28	99-09-2	
4-Nitroaniline	ND	ug/kg	1740	1	06/25/14 12:30	06/27/14 20:28	100-01-6	
Nitrobenzene	ND	ug/kg	359	1	06/25/14 12:30	06/27/14 20:28	98-95-3	
2-Nitrophenol	ND	ug/kg	359	1	06/25/14 12:30	06/27/14 20:28	88-75-5	
4-Nitrophenol	ND	ug/kg	1740	1	06/25/14 12:30	06/27/14 20:28	100-02-7	
N-Nitroso-di-n-propylamine	ND	ug/kg	359	1	06/25/14 12:30	06/27/14 20:28	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	359	1	06/25/14 12:30	06/27/14 20:28	86-30-6	
Pentachlorophenol	ND	ug/kg	1740	1	06/25/14 12:30	06/27/14 20:28	87-86-5	
Phenanthrene	ND	ug/kg	359	1	06/25/14 12:30	06/27/14 20:28	85-01-8	
Phenol	ND	ug/kg	359	1	06/25/14 12:30	06/27/14 20:28	108-95-2	
Pyrene	ND	ug/kg	359	1	06/25/14 12:30	06/27/14 20:28	129-00-0	
2,4,5-Trichlorophenol	ND	ug/kg	359	1	06/25/14 12:30	06/27/14 20:28	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	359	1	06/25/14 12:30	06/27/14 20:28	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	75 %.		28-101	1	06/25/14 12:30	06/27/14 20:28	4165-60-0	
2-Fluorobiphenyl (S)	72 %.		31-94	1	06/25/14 12:30	06/27/14 20:28	321-60-8	
p-Terphenyl-d14 (S)	93 %.		26-110	1	06/25/14 12:30	06/27/14 20:28	1718-51-0	
Phenol-d5 (S)	76 %.		28-101	1	06/25/14 12:30	06/27/14 20:28	4165-62-2	
2-Fluorophenol (S)	76 %.		24-104	1	06/25/14 12:30	06/27/14 20:28	367-12-4	
2,4,6-Tribromophenol (S)	79 %.		16-122	1	06/25/14 12:30	06/27/14 20:28	118-79-6	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Sibley-Accucast/2339-356-03-00

Pace Project No.: 5099688

Sample: **TMW-6(14-16)** Lab ID: **5099688007** Collected: 06/20/14 10:30 Received: 06/21/14 10:54 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA		Analytical Method: EPA 8260						
Acetone	ND	ug/kg	80.7	1		07/03/14 06:05	67-64-1	
Acrolein	ND	ug/kg	80.7	1		07/03/14 06:05	107-02-8	
Acrylonitrile	ND	ug/kg	80.7	1		07/03/14 06:05	107-13-1	
Benzene	ND	ug/kg	4.0	1		07/03/14 06:05	71-43-2	
Bromobenzene	ND	ug/kg	4.0	1		07/03/14 06:05	108-86-1	
Bromochloromethane	ND	ug/kg	4.0	1		07/03/14 06:05	74-97-5	
Bromodichloromethane	ND	ug/kg	4.0	1		07/03/14 06:05	75-27-4	
Bromoform	ND	ug/kg	4.0	1		07/03/14 06:05	75-25-2	
Bromomethane	ND	ug/kg	4.0	1		07/03/14 06:05	74-83-9	
2-Butanone (MEK)	ND	ug/kg	20.2	1		07/03/14 06:05	78-93-3	
n-Butylbenzene	ND	ug/kg	4.0	1		07/03/14 06:05	104-51-8	
sec-Butylbenzene	ND	ug/kg	4.0	1		07/03/14 06:05	135-98-8	
tert-Butylbenzene	ND	ug/kg	4.0	1		07/03/14 06:05	98-06-6	
Carbon disulfide	ND	ug/kg	8.1	1		07/03/14 06:05	75-15-0	
Carbon tetrachloride	ND	ug/kg	4.0	1		07/03/14 06:05	56-23-5	
Chlorobenzene	ND	ug/kg	4.0	1		07/03/14 06:05	108-90-7	
Chloroethane	ND	ug/kg	4.0	1		07/03/14 06:05	75-00-3	
Chloroform	ND	ug/kg	4.0	1		07/03/14 06:05	67-66-3	
Chloromethane	ND	ug/kg	4.0	1		07/03/14 06:05	74-87-3	
2-Chlorotoluene	ND	ug/kg	4.0	1		07/03/14 06:05	95-49-8	
4-Chlorotoluene	ND	ug/kg	4.0	1		07/03/14 06:05	106-43-4	
Dibromochloromethane	ND	ug/kg	4.0	1		07/03/14 06:05	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	4.0	1		07/03/14 06:05	106-93-4	
Dibromomethane	ND	ug/kg	4.0	1		07/03/14 06:05	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	4.0	1		07/03/14 06:05	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	4.0	1		07/03/14 06:05	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	4.0	1		07/03/14 06:05	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/kg	80.7	1		07/03/14 06:05	110-57-6	
Dichlorodifluoromethane	ND	ug/kg	4.0	1		07/03/14 06:05	75-71-8	
1,1-Dichloroethane	ND	ug/kg	4.0	1		07/03/14 06:05	75-34-3	
1,2-Dichloroethane	ND	ug/kg	4.0	1		07/03/14 06:05	107-06-2	
1,1-Dichloroethene	ND	ug/kg	4.0	1		07/03/14 06:05	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	4.0	1		07/03/14 06:05	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	4.0	1		07/03/14 06:05	156-60-5	
1,2-Dichloropropane	ND	ug/kg	4.0	1		07/03/14 06:05	78-87-5	
1,3-Dichloropropane	ND	ug/kg	4.0	1		07/03/14 06:05	142-28-9	
2,2-Dichloropropane	ND	ug/kg	4.0	1		07/03/14 06:05	594-20-7	
1,1-Dichloropropene	ND	ug/kg	4.0	1		07/03/14 06:05	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	4.0	1		07/03/14 06:05	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	4.0	1		07/03/14 06:05	10061-02-6	
Ethylbenzene	ND	ug/kg	4.0	1		07/03/14 06:05	100-41-4	
Ethyl methacrylate	ND	ug/kg	80.7	1		07/03/14 06:05	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/kg	4.0	1		07/03/14 06:05	87-68-3	
n-Hexane	ND	ug/kg	4.0	1		07/03/14 06:05	110-54-3	N2
2-Hexanone	ND	ug/kg	80.7	1		07/03/14 06:05	591-78-6	
Iodomethane	ND	ug/kg	80.7	1		07/03/14 06:05	74-88-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Sibley-Accucast/2339-356-03-00

Pace Project No.: 5099688

Sample: TMW-6(14-16) **Lab ID: 5099688007** Collected: 06/20/14 10:30 Received: 06/21/14 10:54 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA		Analytical Method: EPA 8260						
Isopropylbenzene (Cumene)	ND	ug/kg	4.0	1		07/03/14 06:05	98-82-8	
p-Isopropyltoluene	ND	ug/kg	4.0	1		07/03/14 06:05	99-87-6	
Methylene Chloride	ND	ug/kg	16.1	1		07/03/14 06:05	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	20.2	1		07/03/14 06:05	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	4.0	1		07/03/14 06:05	1634-04-4	
Naphthalene	ND	ug/kg	4.0	1		07/03/14 06:05	91-20-3	
n-Propylbenzene	ND	ug/kg	4.0	1		07/03/14 06:05	103-65-1	
Styrene	ND	ug/kg	4.0	1		07/03/14 06:05	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	4.0	1		07/03/14 06:05	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	4.0	1		07/03/14 06:05	79-34-5	
Tetrachloroethene	ND	ug/kg	4.0	1		07/03/14 06:05	127-18-4	
Toluene	ND	ug/kg	4.0	1		07/03/14 06:05	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	4.0	1		07/03/14 06:05	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	4.0	1		07/03/14 06:05	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	4.0	1		07/03/14 06:05	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	4.0	1		07/03/14 06:05	79-00-5	
Trichloroethene	ND	ug/kg	4.0	1		07/03/14 06:05	79-01-6	
Trichlorofluoromethane	ND	ug/kg	4.0	1		07/03/14 06:05	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	4.0	1		07/03/14 06:05	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	4.0	1		07/03/14 06:05	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	4.0	1		07/03/14 06:05	108-67-8	
Vinyl acetate	ND	ug/kg	80.7	1		07/03/14 06:05	108-05-4	
Vinyl chloride	ND	ug/kg	4.0	1		07/03/14 06:05	75-01-4	
Xylene (Total)	ND	ug/kg	8.1	1		07/03/14 06:05	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	95 %		85-118	1		07/03/14 06:05	1868-53-7	
Toluene-d8 (S)	94 %		71-128	1		07/03/14 06:05	2037-26-5	
4-Bromofluorobenzene (S)	98 %		56-144	1		07/03/14 06:05	460-00-4	
Percent Moisture		Analytical Method: ASTM D2974-87						
Percent Moisture	9.1 %		0.10	1		06/26/14 12:10		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Sibley-Accucast/2339-356-03-00

Pace Project No.: 5099688

Sample: TMW-6(2-4) **Lab ID: 5099688008** Collected: 06/20/14 10:00 Received: 06/21/14 10:54 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB								
Analytical Method: EPA 8082 Preparation Method: EPA 3546								
PCB-1016 (Aroclor 1016)	ND	ug/kg	115	1	06/26/14 11:14	06/27/14 03:55	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/kg	115	1	06/26/14 11:14	06/27/14 03:55	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/kg	115	1	06/26/14 11:14	06/27/14 03:55	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/kg	115	1	06/26/14 11:14	06/27/14 03:55	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/kg	115	1	06/26/14 11:14	06/27/14 03:55	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/kg	115	1	06/26/14 11:14	06/27/14 03:55	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	ug/kg	115	1	06/26/14 11:14	06/27/14 03:55	11096-82-5	
Surrogates								
Tetrachloro-m-xylene (S)	80 %.		30-106	1	06/26/14 11:14	06/27/14 03:55	877-09-8	
6010 MET ICP								
Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Antimony	ND	mg/kg	1.1	1	06/23/14 10:03	06/24/14 10:58	7440-36-0	
Arsenic	6.3	mg/kg	1.1	1	06/23/14 10:03	06/24/14 10:58	7440-38-2	
Chromium	27.5	mg/kg	1.1	1	06/23/14 10:03	06/24/14 10:58	7440-47-3	
Cobalt	4.6	mg/kg	1.1	1	06/23/14 10:03	06/24/14 10:58	7440-48-4	
Iron	32700	mg/kg	527	10	06/23/14 10:03	06/24/14 11:42	7439-89-6	
Lead	127	mg/kg	1.1	1	06/23/14 10:03	06/24/14 10:58	7439-92-1	
Selenium	ND	mg/kg	1.1	1	06/23/14 10:03	06/24/14 10:58	7782-49-2	
Thallium	2.3	mg/kg	1.1	1	06/23/14 10:03	06/24/14 10:58	7440-28-0	
8270 MSSV SHORT LIST MICROWAVE								
Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Acenaphthene	ND	ug/kg	376	1	06/25/14 12:30	06/27/14 20:51	83-32-9	
Acenaphthylene	ND	ug/kg	376	1	06/25/14 12:30	06/27/14 20:51	208-96-8	
Anthracene	ND	ug/kg	376	1	06/25/14 12:30	06/27/14 20:51	120-12-7	
Benzo(a)anthracene	ND	ug/kg	376	1	06/25/14 12:30	06/27/14 20:51	56-55-3	
Benzo(a)pyrene	ND	ug/kg	194	1	06/25/14 12:30	06/27/14 20:51	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	376	1	06/25/14 12:30	06/27/14 20:51	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	376	1	06/25/14 12:30	06/27/14 20:51	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	376	1	06/25/14 12:30	06/27/14 20:51	207-08-9	
Benzyl alcohol	ND	ug/kg	752	1	06/25/14 12:30	06/27/14 20:51	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	376	1	06/25/14 12:30	06/27/14 20:51	101-55-3	
Butylbenzylphthalate	ND	ug/kg	376	1	06/25/14 12:30	06/27/14 20:51	85-68-7	
4-Chloro-3-methylphenol	ND	ug/kg	752	1	06/25/14 12:30	06/27/14 20:51	59-50-7	
4-Chloroaniline	ND	ug/kg	752	1	06/25/14 12:30	06/27/14 20:51	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	376	1	06/25/14 12:30	06/27/14 20:51	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	376	1	06/25/14 12:30	06/27/14 20:51	111-44-4	
bis(2chloro1methylethyl) ether	ND	ug/kg	376	1	06/25/14 12:30	06/27/14 20:51	108-60-1	
2-Chloronaphthalene	ND	ug/kg	376	1	06/25/14 12:30	06/27/14 20:51	91-58-7	
2-Chlorophenol	ND	ug/kg	376	1	06/25/14 12:30	06/27/14 20:51	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	376	1	06/25/14 12:30	06/27/14 20:51	7005-72-3	
Chrysene	ND	ug/kg	376	1	06/25/14 12:30	06/27/14 20:51	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	194	1	06/25/14 12:30	06/27/14 20:51	53-70-3	
Dibenzofuran	ND	ug/kg	376	1	06/25/14 12:30	06/27/14 20:51	132-64-9	
3,3'-Dichlorobenzidine	ND	ug/kg	752	1	06/25/14 12:30	06/27/14 20:51	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	376	1	06/25/14 12:30	06/27/14 20:51	120-83-2	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Sibley-Accucast/2339-356-03-00

Pace Project No.: 5099688

Sample: TMW-6(2-4) **Lab ID: 5099688008** Collected: 06/20/14 10:00 Received: 06/21/14 10:54 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV SHORT LIST		Analytical Method: EPA 8270 Preparation Method: EPA 3546						
MICROWAVE								
Diethylphthalate	ND	ug/kg	376	1	06/25/14 12:30	06/27/14 20:51	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	376	1	06/25/14 12:30	06/27/14 20:51	105-67-9	
Dimethylphthalate	ND	ug/kg	376	1	06/25/14 12:30	06/27/14 20:51	131-11-3	
Di-n-butylphthalate	ND	ug/kg	376	1	06/25/14 12:30	06/27/14 20:51	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	1820	1	06/25/14 12:30	06/27/14 20:51	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	1820	1	06/25/14 12:30	06/27/14 20:51	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	376	1	06/25/14 12:30	06/27/14 20:51	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	376	1	06/25/14 12:30	06/27/14 20:51	606-20-2	
Di-n-octylphthalate	ND	ug/kg	376	1	06/25/14 12:30	06/27/14 20:51	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	376	1	06/25/14 12:30	06/27/14 20:51	117-81-7	
Fluoranthene	ND	ug/kg	376	1	06/25/14 12:30	06/27/14 20:51	206-44-0	
Fluorene	ND	ug/kg	376	1	06/25/14 12:30	06/27/14 20:51	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/kg	376	1	06/25/14 12:30	06/27/14 20:51	87-68-3	
Hexachlorobenzene	ND	ug/kg	376	1	06/25/14 12:30	06/27/14 20:51	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	376	1	06/25/14 12:30	06/27/14 20:51	77-47-4	
Hexachloroethane	ND	ug/kg	376	1	06/25/14 12:30	06/27/14 20:51	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	376	1	06/25/14 12:30	06/27/14 20:51	193-39-5	
Isophorone	ND	ug/kg	376	1	06/25/14 12:30	06/27/14 20:51	78-59-1	
2-Methylnaphthalene	ND	ug/kg	376	1	06/25/14 12:30	06/27/14 20:51	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	376	1	06/25/14 12:30	06/27/14 20:51	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	752	1	06/25/14 12:30	06/27/14 20:51		
Naphthalene	ND	ug/kg	376	1	06/25/14 12:30	06/27/14 20:51	91-20-3	
2-Nitroaniline	ND	ug/kg	1820	1	06/25/14 12:30	06/27/14 20:51	88-74-4	
3-Nitroaniline	ND	ug/kg	1820	1	06/25/14 12:30	06/27/14 20:51	99-09-2	
4-Nitroaniline	ND	ug/kg	1820	1	06/25/14 12:30	06/27/14 20:51	100-01-6	
Nitrobenzene	ND	ug/kg	376	1	06/25/14 12:30	06/27/14 20:51	98-95-3	
2-Nitrophenol	ND	ug/kg	376	1	06/25/14 12:30	06/27/14 20:51	88-75-5	
4-Nitrophenol	ND	ug/kg	1820	1	06/25/14 12:30	06/27/14 20:51	100-02-7	
N-Nitroso-di-n-propylamine	ND	ug/kg	376	1	06/25/14 12:30	06/27/14 20:51	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	376	1	06/25/14 12:30	06/27/14 20:51	86-30-6	
Pentachlorophenol	ND	ug/kg	1820	1	06/25/14 12:30	06/27/14 20:51	87-86-5	
Phenanthrene	ND	ug/kg	376	1	06/25/14 12:30	06/27/14 20:51	85-01-8	
Phenol	ND	ug/kg	376	1	06/25/14 12:30	06/27/14 20:51	108-95-2	
Pyrene	ND	ug/kg	376	1	06/25/14 12:30	06/27/14 20:51	129-00-0	
2,4,5-Trichlorophenol	ND	ug/kg	376	1	06/25/14 12:30	06/27/14 20:51	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	376	1	06/25/14 12:30	06/27/14 20:51	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	73 %.		28-101	1	06/25/14 12:30	06/27/14 20:51	4165-60-0	
2-Fluorobiphenyl (S)	74 %.		31-94	1	06/25/14 12:30	06/27/14 20:51	321-60-8	
p-Terphenyl-d14 (S)	95 %.		26-110	1	06/25/14 12:30	06/27/14 20:51	1718-51-0	
Phenol-d5 (S)	66 %.		28-101	1	06/25/14 12:30	06/27/14 20:51	4165-62-2	
2-Fluorophenol (S)	60 %.		24-104	1	06/25/14 12:30	06/27/14 20:51	367-12-4	
2,4,6-Tribromophenol (S)	52 %.		16-122	1	06/25/14 12:30	06/27/14 20:51	118-79-6	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Sibley-Accucast/2339-356-03-00

Pace Project No.: 5099688

Sample: TMW-6(2-4) **Lab ID: 5099688008** Collected: 06/20/14 10:00 Received: 06/21/14 10:54 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA		Analytical Method: EPA 8260						
Acetone	ND	ug/kg	118	1		07/03/14 07:43	67-64-1	
Acrolein	ND	ug/kg	118	1		07/03/14 07:43	107-02-8	
Acrylonitrile	ND	ug/kg	118	1		07/03/14 07:43	107-13-1	
Benzene	ND	ug/kg	5.9	1		07/03/14 07:43	71-43-2	
Bromobenzene	ND	ug/kg	5.9	1		07/03/14 07:43	108-86-1	
Bromochloromethane	ND	ug/kg	5.9	1		07/03/14 07:43	74-97-5	
Bromodichloromethane	ND	ug/kg	5.9	1		07/03/14 07:43	75-27-4	
Bromoform	ND	ug/kg	5.9	1		07/03/14 07:43	75-25-2	
Bromomethane	ND	ug/kg	5.9	1		07/03/14 07:43	74-83-9	
2-Butanone (MEK)	ND	ug/kg	29.6	1		07/03/14 07:43	78-93-3	
n-Butylbenzene	ND	ug/kg	5.9	1		07/03/14 07:43	104-51-8	
sec-Butylbenzene	ND	ug/kg	5.9	1		07/03/14 07:43	135-98-8	
tert-Butylbenzene	ND	ug/kg	5.9	1		07/03/14 07:43	98-06-6	
Carbon disulfide	ND	ug/kg	11.8	1		07/03/14 07:43	75-15-0	
Carbon tetrachloride	ND	ug/kg	5.9	1		07/03/14 07:43	56-23-5	
Chlorobenzene	ND	ug/kg	5.9	1		07/03/14 07:43	108-90-7	
Chloroethane	ND	ug/kg	5.9	1		07/03/14 07:43	75-00-3	
Chloroform	ND	ug/kg	5.9	1		07/03/14 07:43	67-66-3	
Chloromethane	ND	ug/kg	5.9	1		07/03/14 07:43	74-87-3	
2-Chlorotoluene	ND	ug/kg	5.9	1		07/03/14 07:43	95-49-8	
4-Chlorotoluene	ND	ug/kg	5.9	1		07/03/14 07:43	106-43-4	
Dibromochloromethane	ND	ug/kg	5.9	1		07/03/14 07:43	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	5.9	1		07/03/14 07:43	106-93-4	
Dibromomethane	ND	ug/kg	5.9	1		07/03/14 07:43	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	5.9	1		07/03/14 07:43	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	5.9	1		07/03/14 07:43	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	5.9	1		07/03/14 07:43	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/kg	118	1		07/03/14 07:43	110-57-6	
Dichlorodifluoromethane	ND	ug/kg	5.9	1		07/03/14 07:43	75-71-8	
1,1-Dichloroethane	ND	ug/kg	5.9	1		07/03/14 07:43	75-34-3	
1,2-Dichloroethane	ND	ug/kg	5.9	1		07/03/14 07:43	107-06-2	
1,1-Dichloroethene	ND	ug/kg	5.9	1		07/03/14 07:43	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	5.9	1		07/03/14 07:43	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	5.9	1		07/03/14 07:43	156-60-5	
1,2-Dichloropropane	ND	ug/kg	5.9	1		07/03/14 07:43	78-87-5	
1,3-Dichloropropane	ND	ug/kg	5.9	1		07/03/14 07:43	142-28-9	
2,2-Dichloropropane	ND	ug/kg	5.9	1		07/03/14 07:43	594-20-7	
1,1-Dichloropropene	ND	ug/kg	5.9	1		07/03/14 07:43	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	5.9	1		07/03/14 07:43	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	5.9	1		07/03/14 07:43	10061-02-6	
Ethylbenzene	ND	ug/kg	5.9	1		07/03/14 07:43	100-41-4	
Ethyl methacrylate	ND	ug/kg	118	1		07/03/14 07:43	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/kg	5.9	1		07/03/14 07:43	87-68-3	
n-Hexane	ND	ug/kg	5.9	1		07/03/14 07:43	110-54-3	N2
2-Hexanone	ND	ug/kg	118	1		07/03/14 07:43	591-78-6	
Iodomethane	ND	ug/kg	118	1		07/03/14 07:43	74-88-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Sibley-Accucast/2339-356-03-00

Project No.: 5099688

Sample: TMW-6(2-4) **Lab ID: 5099688008** Collected: 06/20/14 10:00 Received: 06/21/14 10:54 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA		Analytical Method: EPA 8260						
Isopropylbenzene (Cumene)	ND	ug/kg	5.9	1		07/03/14 07:43	98-82-8	
p-Isopropyltoluene	ND	ug/kg	5.9	1		07/03/14 07:43	99-87-6	
Methylene Chloride	ND	ug/kg	23.7	1		07/03/14 07:43	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	29.6	1		07/03/14 07:43	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	5.9	1		07/03/14 07:43	1634-04-4	
Naphthalene	ND	ug/kg	5.9	1		07/03/14 07:43	91-20-3	
n-Propylbenzene	ND	ug/kg	5.9	1		07/03/14 07:43	103-65-1	
Styrene	ND	ug/kg	5.9	1		07/03/14 07:43	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	5.9	1		07/03/14 07:43	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	5.9	1		07/03/14 07:43	79-34-5	
Tetrachloroethene	ND	ug/kg	5.9	1		07/03/14 07:43	127-18-4	
Toluene	ND	ug/kg	5.9	1		07/03/14 07:43	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	5.9	1		07/03/14 07:43	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	5.9	1		07/03/14 07:43	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	5.9	1		07/03/14 07:43	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	5.9	1		07/03/14 07:43	79-00-5	
Trichloroethene	ND	ug/kg	5.9	1		07/03/14 07:43	79-01-6	
Trichlorofluoromethane	ND	ug/kg	5.9	1		07/03/14 07:43	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	5.9	1		07/03/14 07:43	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	5.9	1		07/03/14 07:43	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	5.9	1		07/03/14 07:43	108-67-8	
Vinyl acetate	ND	ug/kg	118	1		07/03/14 07:43	108-05-4	
Vinyl chloride	ND	ug/kg	5.9	1		07/03/14 07:43	75-01-4	
Xylene (Total)	ND	ug/kg	11.8	1		07/03/14 07:43	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	101 %		85-118	1		07/03/14 07:43	1868-53-7	
Toluene-d8 (S)	92 %		71-128	1		07/03/14 07:43	2037-26-5	
4-Bromofluorobenzene (S)	97 %		56-144	1		07/03/14 07:43	460-00-4	
Percent Moisture		Analytical Method: ASTM D2974-87						
Percent Moisture	12.9 %		0.10	1		06/26/14 12:10		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Sibley-Accucast/2339-356-03-00

Pace Project No.: 5099688

Sample: P-6(10-12) **Lab ID: 5099688009** Collected: 06/20/14 09:36 Received: 06/21/14 10:54 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB								
Analytical Method: EPA 8082 Preparation Method: EPA 3546								
PCB-1016 (Aroclor 1016)	ND	ug/kg	103	1	06/27/14 12:25	07/01/14 17:15	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/kg	103	1	06/27/14 12:25	07/01/14 17:15	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/kg	103	1	06/27/14 12:25	07/01/14 17:15	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/kg	103	1	06/27/14 12:25	07/01/14 17:15	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/kg	103	1	06/27/14 12:25	07/01/14 17:15	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/kg	103	1	06/27/14 12:25	07/01/14 17:15	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	ug/kg	103	1	06/27/14 12:25	07/01/14 17:15	11096-82-5	
Surrogates								
Tetrachloro-m-xylene (S)	79 %.		30-106	1	06/27/14 12:25	07/01/14 17:15	877-09-8	
6010 MET ICP								
Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Antimony	ND	mg/kg	1.0	1	06/23/14 10:03	06/24/14 11:04	7440-36-0	
Arsenic	3.3	mg/kg	1.0	1	06/23/14 10:03	06/24/14 11:04	7440-38-2	
Chromium	4.3	mg/kg	1.0	1	06/23/14 10:03	06/24/14 11:04	7440-47-3	
Cobalt	2.1	mg/kg	1.0	1	06/23/14 10:03	06/24/14 11:04	7440-48-4	
Iron	4940	mg/kg	50.2	1	06/23/14 10:03	06/24/14 11:04	7439-89-6	
Lead	5.7	mg/kg	1.0	1	06/23/14 10:03	06/24/14 11:04	7439-92-1	
Selenium	ND	mg/kg	1.0	1	06/23/14 10:03	06/24/14 11:04	7782-49-2	
Thallium	2.3	mg/kg	1.0	1	06/23/14 10:03	06/24/14 11:04	7440-28-0	
8270 MSSV SHORT LIST MICROWAVE								
Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Acenaphthene	ND	ug/kg	339	1	06/25/14 12:30	06/27/14 22:01	83-32-9	
Acenaphthylene	ND	ug/kg	339	1	06/25/14 12:30	06/27/14 22:01	208-96-8	
Anthracene	ND	ug/kg	339	1	06/25/14 12:30	06/27/14 22:01	120-12-7	
Benzo(a)anthracene	ND	ug/kg	339	1	06/25/14 12:30	06/27/14 22:01	56-55-3	
Benzo(a)pyrene	ND	ug/kg	175	1	06/25/14 12:30	06/27/14 22:01	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	339	1	06/25/14 12:30	06/27/14 22:01	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	339	1	06/25/14 12:30	06/27/14 22:01	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	339	1	06/25/14 12:30	06/27/14 22:01	207-08-9	
Benzyl alcohol	ND	ug/kg	678	1	06/25/14 12:30	06/27/14 22:01	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	339	1	06/25/14 12:30	06/27/14 22:01	101-55-3	
Butylbenzylphthalate	ND	ug/kg	339	1	06/25/14 12:30	06/27/14 22:01	85-68-7	
4-Chloro-3-methylphenol	ND	ug/kg	678	1	06/25/14 12:30	06/27/14 22:01	59-50-7	
4-Chloroaniline	ND	ug/kg	678	1	06/25/14 12:30	06/27/14 22:01	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	339	1	06/25/14 12:30	06/27/14 22:01	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	339	1	06/25/14 12:30	06/27/14 22:01	111-44-4	
bis(2chloro1methylethyl) ether	ND	ug/kg	339	1	06/25/14 12:30	06/27/14 22:01	108-60-1	
2-Chloronaphthalene	ND	ug/kg	339	1	06/25/14 12:30	06/27/14 22:01	91-58-7	
2-Chlorophenol	ND	ug/kg	339	1	06/25/14 12:30	06/27/14 22:01	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	339	1	06/25/14 12:30	06/27/14 22:01	7005-72-3	
Chrysene	ND	ug/kg	339	1	06/25/14 12:30	06/27/14 22:01	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	175	1	06/25/14 12:30	06/27/14 22:01	53-70-3	
Dibenzofuran	ND	ug/kg	339	1	06/25/14 12:30	06/27/14 22:01	132-64-9	
3,3'-Dichlorobenzidine	ND	ug/kg	678	1	06/25/14 12:30	06/27/14 22:01	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	339	1	06/25/14 12:30	06/27/14 22:01	120-83-2	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Sibley-Accucast/2339-356-03-00

Pace Project No.: 5099688

Sample: P-6(10-12) **Lab ID: 5099688009** Collected: 06/20/14 09:36 Received: 06/21/14 10:54 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV SHORT LIST		Analytical Method: EPA 8270 Preparation Method: EPA 3546						
MICROWAVE								
Diethylphthalate	ND ug/kg		339	1	06/25/14 12:30	06/27/14 22:01	84-66-2	
2,4-Dimethylphenol	ND ug/kg		339	1	06/25/14 12:30	06/27/14 22:01	105-67-9	
Dimethylphthalate	ND ug/kg		339	1	06/25/14 12:30	06/27/14 22:01	131-11-3	
Di-n-butylphthalate	ND ug/kg		339	1	06/25/14 12:30	06/27/14 22:01	84-74-2	
4,6-Dinitro-2-methylphenol	ND ug/kg		1640	1	06/25/14 12:30	06/27/14 22:01	534-52-1	
2,4-Dinitrophenol	ND ug/kg		1640	1	06/25/14 12:30	06/27/14 22:01	51-28-5	
2,4-Dinitrotoluene	ND ug/kg		339	1	06/25/14 12:30	06/27/14 22:01	121-14-2	
2,6-Dinitrotoluene	ND ug/kg		339	1	06/25/14 12:30	06/27/14 22:01	606-20-2	
Di-n-octylphthalate	ND ug/kg		339	1	06/25/14 12:30	06/27/14 22:01	117-84-0	
bis(2-Ethylhexyl)phthalate	ND ug/kg		339	1	06/25/14 12:30	06/27/14 22:01	117-81-7	
Fluoranthene	ND ug/kg		339	1	06/25/14 12:30	06/27/14 22:01	206-44-0	
Fluorene	ND ug/kg		339	1	06/25/14 12:30	06/27/14 22:01	86-73-7	
Hexachloro-1,3-butadiene	ND ug/kg		339	1	06/25/14 12:30	06/27/14 22:01	87-68-3	
Hexachlorobenzene	ND ug/kg		339	1	06/25/14 12:30	06/27/14 22:01	118-74-1	
Hexachlorocyclopentadiene	ND ug/kg		339	1	06/25/14 12:30	06/27/14 22:01	77-47-4	
Hexachloroethane	ND ug/kg		339	1	06/25/14 12:30	06/27/14 22:01	67-72-1	
Indeno(1,2,3-cd)pyrene	ND ug/kg		339	1	06/25/14 12:30	06/27/14 22:01	193-39-5	
Isophorone	ND ug/kg		339	1	06/25/14 12:30	06/27/14 22:01	78-59-1	
2-Methylnaphthalene	ND ug/kg		339	1	06/25/14 12:30	06/27/14 22:01	91-57-6	
2-Methylphenol(o-Cresol)	ND ug/kg		339	1	06/25/14 12:30	06/27/14 22:01	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND ug/kg		678	1	06/25/14 12:30	06/27/14 22:01		
Naphthalene	ND ug/kg		339	1	06/25/14 12:30	06/27/14 22:01	91-20-3	
2-Nitroaniline	ND ug/kg		1640	1	06/25/14 12:30	06/27/14 22:01	88-74-4	
3-Nitroaniline	ND ug/kg		1640	1	06/25/14 12:30	06/27/14 22:01	99-09-2	
4-Nitroaniline	ND ug/kg		1640	1	06/25/14 12:30	06/27/14 22:01	100-01-6	
Nitrobenzene	ND ug/kg		339	1	06/25/14 12:30	06/27/14 22:01	98-95-3	
2-Nitrophenol	ND ug/kg		339	1	06/25/14 12:30	06/27/14 22:01	88-75-5	
4-Nitrophenol	ND ug/kg		1640	1	06/25/14 12:30	06/27/14 22:01	100-02-7	
N-Nitroso-di-n-propylamine	ND ug/kg		339	1	06/25/14 12:30	06/27/14 22:01	621-64-7	
N-Nitrosodiphenylamine	ND ug/kg		339	1	06/25/14 12:30	06/27/14 22:01	86-30-6	
Pentachlorophenol	ND ug/kg		1640	1	06/25/14 12:30	06/27/14 22:01	87-86-5	
Phenanthrene	ND ug/kg		339	1	06/25/14 12:30	06/27/14 22:01	85-01-8	
Phenol	ND ug/kg		339	1	06/25/14 12:30	06/27/14 22:01	108-95-2	
Pyrene	ND ug/kg		339	1	06/25/14 12:30	06/27/14 22:01	129-00-0	
2,4,5-Trichlorophenol	ND ug/kg		339	1	06/25/14 12:30	06/27/14 22:01	95-95-4	
2,4,6-Trichlorophenol	ND ug/kg		339	1	06/25/14 12:30	06/27/14 22:01	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	79 %.		28-101	1	06/25/14 12:30	06/27/14 22:01	4165-60-0	
2-Fluorobiphenyl (S)	80 %.		31-94	1	06/25/14 12:30	06/27/14 22:01	321-60-8	
p-Terphenyl-d14 (S)	95 %.		26-110	1	06/25/14 12:30	06/27/14 22:01	1718-51-0	
Phenol-d5 (S)	79 %.		28-101	1	06/25/14 12:30	06/27/14 22:01	4165-62-2	
2-Fluorophenol (S)	78 %.		24-104	1	06/25/14 12:30	06/27/14 22:01	367-12-4	
2,4,6-Tribromophenol (S)	84 %.		16-122	1	06/25/14 12:30	06/27/14 22:01	118-79-6	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Sibley-Accucast/2339-356-03-00

Pace Project No.: 5099688

Sample: P-6(10-12) **Lab ID: 5099688009** Collected: 06/20/14 09:36 Received: 06/21/14 10:54 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA		Analytical Method: EPA 8260						
Acetone	ND	ug/kg	97.7	1		07/03/14 06:38	67-64-1	
Acrolein	ND	ug/kg	97.7	1		07/03/14 06:38	107-02-8	
Acrylonitrile	ND	ug/kg	97.7	1		07/03/14 06:38	107-13-1	
Benzene	ND	ug/kg	4.9	1		07/03/14 06:38	71-43-2	
Bromobenzene	ND	ug/kg	4.9	1		07/03/14 06:38	108-86-1	
Bromochloromethane	ND	ug/kg	4.9	1		07/03/14 06:38	74-97-5	
Bromodichloromethane	ND	ug/kg	4.9	1		07/03/14 06:38	75-27-4	
Bromoform	ND	ug/kg	4.9	1		07/03/14 06:38	75-25-2	
Bromomethane	ND	ug/kg	4.9	1		07/03/14 06:38	74-83-9	
2-Butanone (MEK)	ND	ug/kg	24.4	1		07/03/14 06:38	78-93-3	
n-Butylbenzene	ND	ug/kg	4.9	1		07/03/14 06:38	104-51-8	
sec-Butylbenzene	ND	ug/kg	4.9	1		07/03/14 06:38	135-98-8	
tert-Butylbenzene	ND	ug/kg	4.9	1		07/03/14 06:38	98-06-6	
Carbon disulfide	ND	ug/kg	9.8	1		07/03/14 06:38	75-15-0	
Carbon tetrachloride	ND	ug/kg	4.9	1		07/03/14 06:38	56-23-5	
Chlorobenzene	ND	ug/kg	4.9	1		07/03/14 06:38	108-90-7	
Chloroethane	ND	ug/kg	4.9	1		07/03/14 06:38	75-00-3	
Chloroform	ND	ug/kg	4.9	1		07/03/14 06:38	67-66-3	
Chloromethane	ND	ug/kg	4.9	1		07/03/14 06:38	74-87-3	
2-Chlorotoluene	ND	ug/kg	4.9	1		07/03/14 06:38	95-49-8	
4-Chlorotoluene	ND	ug/kg	4.9	1		07/03/14 06:38	106-43-4	
Dibromochloromethane	ND	ug/kg	4.9	1		07/03/14 06:38	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	4.9	1		07/03/14 06:38	106-93-4	
Dibromomethane	ND	ug/kg	4.9	1		07/03/14 06:38	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	4.9	1		07/03/14 06:38	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	4.9	1		07/03/14 06:38	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	4.9	1		07/03/14 06:38	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/kg	97.7	1		07/03/14 06:38	110-57-6	
Dichlorodifluoromethane	ND	ug/kg	4.9	1		07/03/14 06:38	75-71-8	
1,1-Dichloroethane	ND	ug/kg	4.9	1		07/03/14 06:38	75-34-3	
1,2-Dichloroethane	ND	ug/kg	4.9	1		07/03/14 06:38	107-06-2	
1,1-Dichloroethene	ND	ug/kg	4.9	1		07/03/14 06:38	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	4.9	1		07/03/14 06:38	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	4.9	1		07/03/14 06:38	156-60-5	
1,2-Dichloropropane	ND	ug/kg	4.9	1		07/03/14 06:38	78-87-5	
1,3-Dichloropropane	ND	ug/kg	4.9	1		07/03/14 06:38	142-28-9	
2,2-Dichloropropane	ND	ug/kg	4.9	1		07/03/14 06:38	594-20-7	
1,1-Dichloropropene	ND	ug/kg	4.9	1		07/03/14 06:38	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	4.9	1		07/03/14 06:38	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	4.9	1		07/03/14 06:38	10061-02-6	
Ethylbenzene	ND	ug/kg	4.9	1		07/03/14 06:38	100-41-4	
Ethyl methacrylate	ND	ug/kg	97.7	1		07/03/14 06:38	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/kg	4.9	1		07/03/14 06:38	87-68-3	
n-Hexane	ND	ug/kg	4.9	1		07/03/14 06:38	110-54-3	N2
2-Hexanone	ND	ug/kg	97.7	1		07/03/14 06:38	591-78-6	
Iodomethane	ND	ug/kg	97.7	1		07/03/14 06:38	74-88-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Sibley-Accucast/2339-356-03-00

Pace Project No.: 5099688

Sample: P-6(10-12) **Lab ID: 5099688009** Collected: 06/20/14 09:36 Received: 06/21/14 10:54 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA		Analytical Method: EPA 8260						
Isopropylbenzene (Cumene)	ND	ug/kg	4.9	1		07/03/14 06:38	98-82-8	
p-Isopropyltoluene	ND	ug/kg	4.9	1		07/03/14 06:38	99-87-6	
Methylene Chloride	ND	ug/kg	19.5	1		07/03/14 06:38	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	24.4	1		07/03/14 06:38	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	4.9	1		07/03/14 06:38	1634-04-4	
Naphthalene	ND	ug/kg	4.9	1		07/03/14 06:38	91-20-3	
n-Propylbenzene	ND	ug/kg	4.9	1		07/03/14 06:38	103-65-1	
Styrene	ND	ug/kg	4.9	1		07/03/14 06:38	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	4.9	1		07/03/14 06:38	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	4.9	1		07/03/14 06:38	79-34-5	
Tetrachloroethene	ND	ug/kg	4.9	1		07/03/14 06:38	127-18-4	
Toluene	ND	ug/kg	4.9	1		07/03/14 06:38	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	4.9	1		07/03/14 06:38	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	4.9	1		07/03/14 06:38	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	4.9	1		07/03/14 06:38	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	4.9	1		07/03/14 06:38	79-00-5	
Trichloroethene	ND	ug/kg	4.9	1		07/03/14 06:38	79-01-6	
Trichlorofluoromethane	ND	ug/kg	4.9	1		07/03/14 06:38	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	4.9	1		07/03/14 06:38	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	4.9	1		07/03/14 06:38	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	4.9	1		07/03/14 06:38	108-67-8	
Vinyl acetate	ND	ug/kg	97.7	1		07/03/14 06:38	108-05-4	
Vinyl chloride	ND	ug/kg	4.9	1		07/03/14 06:38	75-01-4	
Xylene (Total)	ND	ug/kg	9.8	1		07/03/14 06:38	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	98 %		85-118	1		07/03/14 06:38	1868-53-7	
Toluene-d8 (S)	92 %		71-128	1		07/03/14 06:38	2037-26-5	
4-Bromofluorobenzene (S)	98 %		56-144	1		07/03/14 06:38	460-00-4	
Percent Moisture		Analytical Method: ASTM D2974-87						
Percent Moisture	2.9 %		0.10	1		06/26/14 12:10		

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ANALYTICAL RESULTS

Project: Sibley-Accucast/2339-356-03-00

Pace Project No.: 5099688

Sample: P-6(2-4) **Lab ID: 5099688010** Collected: 06/20/14 09:15 Received: 06/21/14 10:54 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB		Analytical Method: EPA 8082 Preparation Method: EPA 3546						
PCB-1016 (Aroclor 1016)	ND	ug/kg	105	1	06/27/14 12:25	07/01/14 17:21	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/kg	105	1	06/27/14 12:25	07/01/14 17:21	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/kg	105	1	06/27/14 12:25	07/01/14 17:21	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/kg	105	1	06/27/14 12:25	07/01/14 17:21	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/kg	105	1	06/27/14 12:25	07/01/14 17:21	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/kg	105	1	06/27/14 12:25	07/01/14 17:21	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	ug/kg	105	1	06/27/14 12:25	07/01/14 17:21	11096-82-5	
Surrogates								
Tetrachloro-m-xylene (S)	72 %.		30-106	1	06/27/14 12:25	07/01/14 17:21	877-09-8	
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3050						
Antimony	ND	mg/kg	0.95	1	06/23/14 10:03	06/24/14 11:06	7440-36-0	
Arsenic	1.9	mg/kg	0.95	1	06/23/14 10:03	06/24/14 11:06	7440-38-2	
Chromium	5.0	mg/kg	0.95	1	06/23/14 10:03	06/24/14 11:06	7440-47-3	
Cobalt	2.5	mg/kg	0.95	1	06/23/14 10:03	06/24/14 11:06	7440-48-4	
Iron	5600	mg/kg	47.5	1	06/23/14 10:03	06/24/14 11:06	7439-89-6	
Lead	5.6	mg/kg	0.95	1	06/23/14 10:03	06/24/14 11:06	7439-92-1	
Selenium	ND	mg/kg	0.95	1	06/23/14 10:03	06/24/14 11:06	7782-49-2	
Thallium	2.0	mg/kg	0.95	1	06/23/14 10:03	06/24/14 11:06	7440-28-0	
8270 MSSV SHORT LIST MICROWAVE		Analytical Method: EPA 8270 Preparation Method: EPA 3546						
Acenaphthene	ND	ug/kg	349	1	06/25/14 12:30	06/27/14 22:24	83-32-9	
Acenaphthylene	ND	ug/kg	349	1	06/25/14 12:30	06/27/14 22:24	208-96-8	
Anthracene	ND	ug/kg	349	1	06/25/14 12:30	06/27/14 22:24	120-12-7	
Benzo(a)anthracene	ND	ug/kg	349	1	06/25/14 12:30	06/27/14 22:24	56-55-3	
Benzo(a)pyrene	ND	ug/kg	180	1	06/25/14 12:30	06/27/14 22:24	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	349	1	06/25/14 12:30	06/27/14 22:24	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	349	1	06/25/14 12:30	06/27/14 22:24	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	349	1	06/25/14 12:30	06/27/14 22:24	207-08-9	
Benzyl alcohol	ND	ug/kg	697	1	06/25/14 12:30	06/27/14 22:24	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	349	1	06/25/14 12:30	06/27/14 22:24	101-55-3	
Butylbenzylphthalate	ND	ug/kg	349	1	06/25/14 12:30	06/27/14 22:24	85-68-7	
4-Chloro-3-methylphenol	ND	ug/kg	697	1	06/25/14 12:30	06/27/14 22:24	59-50-7	
4-Chloroaniline	ND	ug/kg	697	1	06/25/14 12:30	06/27/14 22:24	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	349	1	06/25/14 12:30	06/27/14 22:24	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	349	1	06/25/14 12:30	06/27/14 22:24	111-44-4	
bis(2chloro1methylethyl) ether	ND	ug/kg	349	1	06/25/14 12:30	06/27/14 22:24	108-60-1	
2-Chloronaphthalene	ND	ug/kg	349	1	06/25/14 12:30	06/27/14 22:24	91-58-7	
2-Chlorophenol	ND	ug/kg	349	1	06/25/14 12:30	06/27/14 22:24	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	349	1	06/25/14 12:30	06/27/14 22:24	7005-72-3	
Chrysene	ND	ug/kg	349	1	06/25/14 12:30	06/27/14 22:24	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	180	1	06/25/14 12:30	06/27/14 22:24	53-70-3	
Dibenzofuran	ND	ug/kg	349	1	06/25/14 12:30	06/27/14 22:24	132-64-9	
3,3'-Dichlorobenzidine	ND	ug/kg	697	1	06/25/14 12:30	06/27/14 22:24	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	349	1	06/25/14 12:30	06/27/14 22:24	120-83-2	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Sibley-Accucast/2339-356-03-00

Pace Project No.: 5099688

Sample: P-6(2-4) **Lab ID: 5099688010** Collected: 06/20/14 09:15 Received: 06/21/14 10:54 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV SHORT LIST		Analytical Method: EPA 8270 Preparation Method: EPA 3546						
MICROWAVE								
Diethylphthalate	ND ug/kg		349	1	06/25/14 12:30	06/27/14 22:24	84-66-2	
2,4-Dimethylphenol	ND ug/kg		349	1	06/25/14 12:30	06/27/14 22:24	105-67-9	
Dimethylphthalate	ND ug/kg		349	1	06/25/14 12:30	06/27/14 22:24	131-11-3	
Di-n-butylphthalate	ND ug/kg		349	1	06/25/14 12:30	06/27/14 22:24	84-74-2	
4,6-Dinitro-2-methylphenol	ND ug/kg		1690	1	06/25/14 12:30	06/27/14 22:24	534-52-1	
2,4-Dinitrophenol	ND ug/kg		1690	1	06/25/14 12:30	06/27/14 22:24	51-28-5	
2,4-Dinitrotoluene	ND ug/kg		349	1	06/25/14 12:30	06/27/14 22:24	121-14-2	
2,6-Dinitrotoluene	ND ug/kg		349	1	06/25/14 12:30	06/27/14 22:24	606-20-2	
Di-n-octylphthalate	ND ug/kg		349	1	06/25/14 12:30	06/27/14 22:24	117-84-0	
bis(2-Ethylhexyl)phthalate	ND ug/kg		349	1	06/25/14 12:30	06/27/14 22:24	117-81-7	
Fluoranthene	ND ug/kg		349	1	06/25/14 12:30	06/27/14 22:24	206-44-0	
Fluorene	ND ug/kg		349	1	06/25/14 12:30	06/27/14 22:24	86-73-7	
Hexachloro-1,3-butadiene	ND ug/kg		349	1	06/25/14 12:30	06/27/14 22:24	87-68-3	
Hexachlorobenzene	ND ug/kg		349	1	06/25/14 12:30	06/27/14 22:24	118-74-1	
Hexachlorocyclopentadiene	ND ug/kg		349	1	06/25/14 12:30	06/27/14 22:24	77-47-4	
Hexachloroethane	ND ug/kg		349	1	06/25/14 12:30	06/27/14 22:24	67-72-1	
Indeno(1,2,3-cd)pyrene	ND ug/kg		349	1	06/25/14 12:30	06/27/14 22:24	193-39-5	
Isophorone	ND ug/kg		349	1	06/25/14 12:30	06/27/14 22:24	78-59-1	
2-Methylnaphthalene	ND ug/kg		349	1	06/25/14 12:30	06/27/14 22:24	91-57-6	
2-Methylphenol(o-Cresol)	ND ug/kg		349	1	06/25/14 12:30	06/27/14 22:24	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND ug/kg		697	1	06/25/14 12:30	06/27/14 22:24		
Naphthalene	ND ug/kg		349	1	06/25/14 12:30	06/27/14 22:24	91-20-3	
2-Nitroaniline	ND ug/kg		1690	1	06/25/14 12:30	06/27/14 22:24	88-74-4	
3-Nitroaniline	ND ug/kg		1690	1	06/25/14 12:30	06/27/14 22:24	99-09-2	
4-Nitroaniline	ND ug/kg		1690	1	06/25/14 12:30	06/27/14 22:24	100-01-6	
Nitrobenzene	ND ug/kg		349	1	06/25/14 12:30	06/27/14 22:24	98-95-3	
2-Nitrophenol	ND ug/kg		349	1	06/25/14 12:30	06/27/14 22:24	88-75-5	
4-Nitrophenol	ND ug/kg		1690	1	06/25/14 12:30	06/27/14 22:24	100-02-7	
N-Nitroso-di-n-propylamine	ND ug/kg		349	1	06/25/14 12:30	06/27/14 22:24	621-64-7	
N-Nitrosodiphenylamine	ND ug/kg		349	1	06/25/14 12:30	06/27/14 22:24	86-30-6	
Pentachlorophenol	ND ug/kg		1690	1	06/25/14 12:30	06/27/14 22:24	87-86-5	
Phenanthrene	ND ug/kg		349	1	06/25/14 12:30	06/27/14 22:24	85-01-8	
Phenol	ND ug/kg		349	1	06/25/14 12:30	06/27/14 22:24	108-95-2	
Pyrene	ND ug/kg		349	1	06/25/14 12:30	06/27/14 22:24	129-00-0	
2,4,5-Trichlorophenol	ND ug/kg		349	1	06/25/14 12:30	06/27/14 22:24	95-95-4	
2,4,6-Trichlorophenol	ND ug/kg		349	1	06/25/14 12:30	06/27/14 22:24	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	67 %.		28-101	1	06/25/14 12:30	06/27/14 22:24	4165-60-0	
2-Fluorobiphenyl (S)	68 %.		31-94	1	06/25/14 12:30	06/27/14 22:24	321-60-8	
p-Terphenyl-d14 (S)	85 %.		26-110	1	06/25/14 12:30	06/27/14 22:24	1718-51-0	
Phenol-d5 (S)	66 %.		28-101	1	06/25/14 12:30	06/27/14 22:24	4165-62-2	
2-Fluorophenol (S)	62 %.		24-104	1	06/25/14 12:30	06/27/14 22:24	367-12-4	
2,4,6-Tribromophenol (S)	69 %.		16-122	1	06/25/14 12:30	06/27/14 22:24	118-79-6	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Sibley-Accucast/2339-356-03-00

Pace Project No.: 5099688

Sample: P-6(2-4) Lab ID: 5099688010 Collected: 06/20/14 09:15 Received: 06/21/14 10:54 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA		Analytical Method: EPA 8260						
Acetone	ND	ug/kg	97.7	1		07/03/14 07:10	67-64-1	
Acrolein	ND	ug/kg	97.7	1		07/03/14 07:10	107-02-8	
Acrylonitrile	ND	ug/kg	97.7	1		07/03/14 07:10	107-13-1	
Benzene	ND	ug/kg	4.9	1		07/03/14 07:10	71-43-2	
Bromobenzene	ND	ug/kg	4.9	1		07/03/14 07:10	108-86-1	
Bromochloromethane	ND	ug/kg	4.9	1		07/03/14 07:10	74-97-5	
Bromodichloromethane	ND	ug/kg	4.9	1		07/03/14 07:10	75-27-4	
Bromoform	ND	ug/kg	4.9	1		07/03/14 07:10	75-25-2	
Bromomethane	ND	ug/kg	4.9	1		07/03/14 07:10	74-83-9	
2-Butanone (MEK)	ND	ug/kg	24.4	1		07/03/14 07:10	78-93-3	
n-Butylbenzene	ND	ug/kg	4.9	1		07/03/14 07:10	104-51-8	
sec-Butylbenzene	ND	ug/kg	4.9	1		07/03/14 07:10	135-98-8	
tert-Butylbenzene	ND	ug/kg	4.9	1		07/03/14 07:10	98-06-6	
Carbon disulfide	ND	ug/kg	9.8	1		07/03/14 07:10	75-15-0	
Carbon tetrachloride	ND	ug/kg	4.9	1		07/03/14 07:10	56-23-5	
Chlorobenzene	ND	ug/kg	4.9	1		07/03/14 07:10	108-90-7	
Chloroethane	ND	ug/kg	4.9	1		07/03/14 07:10	75-00-3	
Chloroform	ND	ug/kg	4.9	1		07/03/14 07:10	67-66-3	
Chloromethane	ND	ug/kg	4.9	1		07/03/14 07:10	74-87-3	
2-Chlorotoluene	ND	ug/kg	4.9	1		07/03/14 07:10	95-49-8	
4-Chlorotoluene	ND	ug/kg	4.9	1		07/03/14 07:10	106-43-4	
Dibromochloromethane	ND	ug/kg	4.9	1		07/03/14 07:10	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	4.9	1		07/03/14 07:10	106-93-4	
Dibromomethane	ND	ug/kg	4.9	1		07/03/14 07:10	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	4.9	1		07/03/14 07:10	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	4.9	1		07/03/14 07:10	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	4.9	1		07/03/14 07:10	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/kg	97.7	1		07/03/14 07:10	110-57-6	
Dichlorodifluoromethane	ND	ug/kg	4.9	1		07/03/14 07:10	75-71-8	
1,1-Dichloroethane	ND	ug/kg	4.9	1		07/03/14 07:10	75-34-3	
1,2-Dichloroethane	ND	ug/kg	4.9	1		07/03/14 07:10	107-06-2	
1,1-Dichloroethene	ND	ug/kg	4.9	1		07/03/14 07:10	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	4.9	1		07/03/14 07:10	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	4.9	1		07/03/14 07:10	156-60-5	
1,2-Dichloropropane	ND	ug/kg	4.9	1		07/03/14 07:10	78-87-5	
1,3-Dichloropropane	ND	ug/kg	4.9	1		07/03/14 07:10	142-28-9	
2,2-Dichloropropane	ND	ug/kg	4.9	1		07/03/14 07:10	594-20-7	
1,1-Dichloropropene	ND	ug/kg	4.9	1		07/03/14 07:10	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	4.9	1		07/03/14 07:10	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	4.9	1		07/03/14 07:10	10061-02-6	
Ethylbenzene	ND	ug/kg	4.9	1		07/03/14 07:10	100-41-4	
Ethyl methacrylate	ND	ug/kg	97.7	1		07/03/14 07:10	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/kg	4.9	1		07/03/14 07:10	87-68-3	
n-Hexane	ND	ug/kg	4.9	1		07/03/14 07:10	110-54-3	N2
2-Hexanone	ND	ug/kg	97.7	1		07/03/14 07:10	591-78-6	
Iodomethane	ND	ug/kg	97.7	1		07/03/14 07:10	74-88-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Sibley-Accucast/2339-356-03-00

Pace Project No.: 5099688

Sample: P-6(2-4) **Lab ID: 5099688010** Collected: 06/20/14 09:15 Received: 06/21/14 10:54 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA		Analytical Method: EPA 8260						
Isopropylbenzene (Cumene)	ND	ug/kg	4.9	1		07/03/14 07:10	98-82-8	
p-Isopropyltoluene	ND	ug/kg	4.9	1		07/03/14 07:10	99-87-6	
Methylene Chloride	ND	ug/kg	19.5	1		07/03/14 07:10	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	24.4	1		07/03/14 07:10	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	4.9	1		07/03/14 07:10	1634-04-4	
Naphthalene	ND	ug/kg	4.9	1		07/03/14 07:10	91-20-3	
n-Propylbenzene	ND	ug/kg	4.9	1		07/03/14 07:10	103-65-1	
Styrene	ND	ug/kg	4.9	1		07/03/14 07:10	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	4.9	1		07/03/14 07:10	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	4.9	1		07/03/14 07:10	79-34-5	
Tetrachloroethene	ND	ug/kg	4.9	1		07/03/14 07:10	127-18-4	
Toluene	ND	ug/kg	4.9	1		07/03/14 07:10	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	4.9	1		07/03/14 07:10	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	4.9	1		07/03/14 07:10	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	4.9	1		07/03/14 07:10	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	4.9	1		07/03/14 07:10	79-00-5	
Trichloroethene	ND	ug/kg	4.9	1		07/03/14 07:10	79-01-6	
Trichlorofluoromethane	ND	ug/kg	4.9	1		07/03/14 07:10	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	4.9	1		07/03/14 07:10	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	4.9	1		07/03/14 07:10	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	4.9	1		07/03/14 07:10	108-67-8	
Vinyl acetate	ND	ug/kg	97.7	1		07/03/14 07:10	108-05-4	
Vinyl chloride	ND	ug/kg	4.9	1		07/03/14 07:10	75-01-4	
Xylene (Total)	ND	ug/kg	9.8	1		07/03/14 07:10	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	98 %		85-118	1		07/03/14 07:10	1868-53-7	
Toluene-d8 (S)	92 %		71-128	1		07/03/14 07:10	2037-26-5	
4-Bromofluorobenzene (S)	96 %		56-144	1		07/03/14 07:10	460-00-4	

Percent Moisture

Analytical Method: ASTM D2974-87

Percent Moisture	6.3 %		0.10	1		06/26/14 12:10		
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ANALYTICAL RESULTS

Project: Sibley-Accucast/2339-356-03-00

Pace Project No.: 5099688

Sample: P-3 RE(2-4) **Lab ID: 5099688011** Collected: 06/20/14 08:35 Received: 06/21/14 10:54 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB								
Analytical Method: EPA 8082 Preparation Method: EPA 3546								
PCB-1016 (Aroclor 1016)	ND	ug/kg	113	1	06/27/14 12:25	07/03/14 18:41	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/kg	113	1	06/27/14 12:25	07/03/14 18:41	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/kg	113	1	06/27/14 12:25	07/03/14 18:41	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/kg	113	1	06/27/14 12:25	07/03/14 18:41	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/kg	113	1	06/27/14 12:25	07/03/14 18:41	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/kg	113	1	06/27/14 12:25	07/03/14 18:41	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	ug/kg	113	1	06/27/14 12:25	07/03/14 18:41	11096-82-5	
Surrogates								
Tetrachloro-m-xylene (S)	62 %.		30-106	1	06/27/14 12:25	07/03/14 18:41	877-09-8	
6010 MET ICP								
Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Antimony	ND	mg/kg	1.1	1	06/23/14 10:03	06/24/14 11:18	7440-36-0	
Arsenic	22.0	mg/kg	1.1	1	06/23/14 10:03	06/24/14 11:18	7440-38-2	
Chromium	15.8	mg/kg	1.1	1	06/23/14 10:03	06/24/14 11:18	7440-47-3	
Cobalt	4.3	mg/kg	1.1	1	06/23/14 10:03	06/24/14 11:18	7440-48-4	
Iron	56100	mg/kg	561	10	06/23/14 10:03	06/24/14 11:48	7439-89-6	
Lead	37.8	mg/kg	1.1	1	06/23/14 10:03	06/24/14 11:18	7439-92-1	
Selenium	ND	mg/kg	1.1	1	06/23/14 10:03	06/24/14 11:18	7782-49-2	
Thallium	5.4	mg/kg	1.1	1	06/23/14 10:03	06/24/14 11:18	7440-28-0	
8270 MSSV SHORT LIST MICROWAVE								
Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Acenaphthene	ND	ug/kg	371	1	06/25/14 12:30	06/27/14 22:48	83-32-9	
Acenaphthylene	ND	ug/kg	371	1	06/25/14 12:30	06/27/14 22:48	208-96-8	
Anthracene	ND	ug/kg	371	1	06/25/14 12:30	06/27/14 22:48	120-12-7	
Benzo(a)anthracene	ND	ug/kg	371	1	06/25/14 12:30	06/27/14 22:48	56-55-3	
Benzo(a)pyrene	ND	ug/kg	191	1	06/25/14 12:30	06/27/14 22:48	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	371	1	06/25/14 12:30	06/27/14 22:48	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	371	1	06/25/14 12:30	06/27/14 22:48	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	371	1	06/25/14 12:30	06/27/14 22:48	207-08-9	
Benzyl alcohol	ND	ug/kg	742	1	06/25/14 12:30	06/27/14 22:48	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	371	1	06/25/14 12:30	06/27/14 22:48	101-55-3	
Butylbenzylphthalate	ND	ug/kg	371	1	06/25/14 12:30	06/27/14 22:48	85-68-7	
4-Chloro-3-methylphenol	ND	ug/kg	742	1	06/25/14 12:30	06/27/14 22:48	59-50-7	
4-Chloroaniline	ND	ug/kg	742	1	06/25/14 12:30	06/27/14 22:48	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	371	1	06/25/14 12:30	06/27/14 22:48	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	371	1	06/25/14 12:30	06/27/14 22:48	111-44-4	
bis(2chloro1methylethyl) ether	ND	ug/kg	371	1	06/25/14 12:30	06/27/14 22:48	108-60-1	
2-Chloronaphthalene	ND	ug/kg	371	1	06/25/14 12:30	06/27/14 22:48	91-58-7	
2-Chlorophenol	ND	ug/kg	371	1	06/25/14 12:30	06/27/14 22:48	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	371	1	06/25/14 12:30	06/27/14 22:48	7005-72-3	
Chrysene	ND	ug/kg	371	1	06/25/14 12:30	06/27/14 22:48	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	191	1	06/25/14 12:30	06/27/14 22:48	53-70-3	
Dibenzofuran	ND	ug/kg	371	1	06/25/14 12:30	06/27/14 22:48	132-64-9	
3,3'-Dichlorobenzidine	ND	ug/kg	742	1	06/25/14 12:30	06/27/14 22:48	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	371	1	06/25/14 12:30	06/27/14 22:48	120-83-2	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Sibley-Accucast/2339-356-03-00

Pace Project No.: 5099688

Sample: P-3 RE(2-4) **Lab ID: 5099688011** Collected: 06/20/14 08:35 Received: 06/21/14 10:54 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV SHORT LIST		Analytical Method: EPA 8270 Preparation Method: EPA 3546						
MICROWAVE								
Diethylphthalate	ND	ug/kg	371	1	06/25/14 12:30	06/27/14 22:48	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	371	1	06/25/14 12:30	06/27/14 22:48	105-67-9	
Dimethylphthalate	ND	ug/kg	371	1	06/25/14 12:30	06/27/14 22:48	131-11-3	
Di-n-butylphthalate	ND	ug/kg	371	1	06/25/14 12:30	06/27/14 22:48	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	1800	1	06/25/14 12:30	06/27/14 22:48	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	1800	1	06/25/14 12:30	06/27/14 22:48	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	371	1	06/25/14 12:30	06/27/14 22:48	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	371	1	06/25/14 12:30	06/27/14 22:48	606-20-2	
Di-n-octylphthalate	ND	ug/kg	371	1	06/25/14 12:30	06/27/14 22:48	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	371	1	06/25/14 12:30	06/27/14 22:48	117-81-7	
Fluoranthene	ND	ug/kg	371	1	06/25/14 12:30	06/27/14 22:48	206-44-0	
Fluorene	ND	ug/kg	371	1	06/25/14 12:30	06/27/14 22:48	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/kg	371	1	06/25/14 12:30	06/27/14 22:48	87-68-3	
Hexachlorobenzene	ND	ug/kg	371	1	06/25/14 12:30	06/27/14 22:48	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	371	1	06/25/14 12:30	06/27/14 22:48	77-47-4	
Hexachloroethane	ND	ug/kg	371	1	06/25/14 12:30	06/27/14 22:48	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	371	1	06/25/14 12:30	06/27/14 22:48	193-39-5	
Isophorone	ND	ug/kg	371	1	06/25/14 12:30	06/27/14 22:48	78-59-1	
2-Methylnaphthalene	ND	ug/kg	371	1	06/25/14 12:30	06/27/14 22:48	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	371	1	06/25/14 12:30	06/27/14 22:48	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	742	1	06/25/14 12:30	06/27/14 22:48		
Naphthalene	ND	ug/kg	371	1	06/25/14 12:30	06/27/14 22:48	91-20-3	
2-Nitroaniline	ND	ug/kg	1800	1	06/25/14 12:30	06/27/14 22:48	88-74-4	
3-Nitroaniline	ND	ug/kg	1800	1	06/25/14 12:30	06/27/14 22:48	99-09-2	
4-Nitroaniline	ND	ug/kg	1800	1	06/25/14 12:30	06/27/14 22:48	100-01-6	
Nitrobenzene	ND	ug/kg	371	1	06/25/14 12:30	06/27/14 22:48	98-95-3	
2-Nitrophenol	ND	ug/kg	371	1	06/25/14 12:30	06/27/14 22:48	88-75-5	
4-Nitrophenol	ND	ug/kg	1800	1	06/25/14 12:30	06/27/14 22:48	100-02-7	
N-Nitroso-di-n-propylamine	ND	ug/kg	371	1	06/25/14 12:30	06/27/14 22:48	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	371	1	06/25/14 12:30	06/27/14 22:48	86-30-6	
Pentachlorophenol	ND	ug/kg	1800	1	06/25/14 12:30	06/27/14 22:48	87-86-5	
Phenanthrene	572	ug/kg	371	1	06/25/14 12:30	06/27/14 22:48	85-01-8	
Phenol	ND	ug/kg	371	1	06/25/14 12:30	06/27/14 22:48	108-95-2	
Pyrene	ND	ug/kg	371	1	06/25/14 12:30	06/27/14 22:48	129-00-0	
2,4,5-Trichlorophenol	ND	ug/kg	371	1	06/25/14 12:30	06/27/14 22:48	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	371	1	06/25/14 12:30	06/27/14 22:48	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	29 %		28-101	1	06/25/14 12:30	06/27/14 22:48	4165-60-0	
2-Fluorobiphenyl (S)	34 %		31-94	1	06/25/14 12:30	06/27/14 22:48	321-60-8	
p-Terphenyl-d14 (S)	42 %		26-110	1	06/25/14 12:30	06/27/14 22:48	1718-51-0	
Phenol-d5 (S)	26 %		28-101	1	06/25/14 12:30	06/27/14 22:48	4165-62-2	S0
2-Fluorophenol (S)	25 %		24-104	1	06/25/14 12:30	06/27/14 22:48	367-12-4	
2,4,6-Tribromophenol (S)	25 %		16-122	1	06/25/14 12:30	06/27/14 22:48	118-79-6	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Sibley-Accucast/2339-356-03-00

Pace Project No.: 5099688

Sample: P-3 RE(2-4) **Lab ID: 5099688011** Collected: 06/20/14 08:35 Received: 06/21/14 10:54 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Percent Moisture		Analytical Method: ASTM D2974-87						
Percent Moisture	12.2	%	0.10	1		06/26/14 12:11		

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ANALYTICAL RESULTS

Project: Sibley-Accucast/2339-356-03-00

Pace Project No.: 5099688

Sample: P-8 RE(0-2) **Lab ID: 5099688012** Collected: 06/20/14 08:45 Received: 06/21/14 10:54 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB								
Analytical Method: EPA 8082 Preparation Method: EPA 3546								
PCB-1016 (Aroclor 1016)	ND	ug/kg	1130	10	06/27/14 12:25	07/02/14 22:51	12674-11-2	D3
PCB-1221 (Aroclor 1221)	ND	ug/kg	1130	10	06/27/14 12:25	07/02/14 22:51	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/kg	1130	10	06/27/14 12:25	07/02/14 22:51	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/kg	1130	10	06/27/14 12:25	07/02/14 22:51	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/kg	1130	10	06/27/14 12:25	07/02/14 22:51	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/kg	1130	10	06/27/14 12:25	07/02/14 22:51	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	ug/kg	1130	10	06/27/14 12:25	07/02/14 22:51	11096-82-5	
Surrogates								
Tetrachloro-m-xylene (S)	0 %.		30-106	10	06/27/14 12:25	07/02/14 22:51	877-09-8	S4
6010 MET ICP								
Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Antimony	ND	mg/kg	0.95	1	06/23/14 10:03	06/24/14 11:20	7440-36-0	
Arsenic	3.2	mg/kg	0.95	1	06/23/14 10:03	06/24/14 11:20	7440-38-2	
Chromium	14.3	mg/kg	0.95	1	06/23/14 10:03	06/24/14 11:20	7440-47-3	
Cobalt	1.3	mg/kg	0.95	1	06/23/14 10:03	06/24/14 11:20	7440-48-4	
Iron	23100	mg/kg	476	10	06/23/14 10:03	06/24/14 11:50	7439-89-6	
Lead	4.1	mg/kg	0.95	1	06/23/14 10:03	06/24/14 11:20	7439-92-1	
Selenium	ND	mg/kg	0.95	1	06/23/14 10:03	06/24/14 11:20	7782-49-2	
Thallium	ND	mg/kg	0.95	1	06/23/14 10:03	06/24/14 11:20	7440-28-0	
8270 MSSV SHORT LIST MICROWAVE								
Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Acenaphthene	ND	ug/kg	374	1	06/25/14 12:30	06/27/14 23:11	83-32-9	
Acenaphthylene	ND	ug/kg	374	1	06/25/14 12:30	06/27/14 23:11	208-96-8	
Anthracene	ND	ug/kg	374	1	06/25/14 12:30	06/27/14 23:11	120-12-7	
Benzo(a)anthracene	ND	ug/kg	374	1	06/25/14 12:30	06/27/14 23:11	56-55-3	
Benzo(a)pyrene	ND	ug/kg	193	1	06/25/14 12:30	06/27/14 23:11	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	374	1	06/25/14 12:30	06/27/14 23:11	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	374	1	06/25/14 12:30	06/27/14 23:11	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	374	1	06/25/14 12:30	06/27/14 23:11	207-08-9	
Benzyl alcohol	ND	ug/kg	748	1	06/25/14 12:30	06/27/14 23:11	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	374	1	06/25/14 12:30	06/27/14 23:11	101-55-3	
Butylbenzylphthalate	ND	ug/kg	374	1	06/25/14 12:30	06/27/14 23:11	85-68-7	
4-Chloro-3-methylphenol	ND	ug/kg	748	1	06/25/14 12:30	06/27/14 23:11	59-50-7	
4-Chloroaniline	ND	ug/kg	748	1	06/25/14 12:30	06/27/14 23:11	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	374	1	06/25/14 12:30	06/27/14 23:11	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	374	1	06/25/14 12:30	06/27/14 23:11	111-44-4	
bis(2chloro1methylethyl) ether	ND	ug/kg	374	1	06/25/14 12:30	06/27/14 23:11	108-60-1	
2-Chloronaphthalene	ND	ug/kg	374	1	06/25/14 12:30	06/27/14 23:11	91-58-7	
2-Chlorophenol	ND	ug/kg	374	1	06/25/14 12:30	06/27/14 23:11	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	374	1	06/25/14 12:30	06/27/14 23:11	7005-72-3	
Chrysene	ND	ug/kg	374	1	06/25/14 12:30	06/27/14 23:11	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	193	1	06/25/14 12:30	06/27/14 23:11	53-70-3	
Dibenzofuran	ND	ug/kg	374	1	06/25/14 12:30	06/27/14 23:11	132-64-9	
3,3'-Dichlorobenzidine	ND	ug/kg	748	1	06/25/14 12:30	06/27/14 23:11	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	374	1	06/25/14 12:30	06/27/14 23:11	120-83-2	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Sibley-Accucast/2339-356-03-00

Pace Project No.: 5099688

Sample: P-8 RE(0-2) **Lab ID: 5099688012** Collected: 06/20/14 08:45 Received: 06/21/14 10:54 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV SHORT LIST		Analytical Method: EPA 8270 Preparation Method: EPA 3546						
MICROWAVE								
Diethylphthalate	ND	ug/kg	374	1	06/25/14 12:30	06/27/14 23:11	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	374	1	06/25/14 12:30	06/27/14 23:11	105-67-9	
Dimethylphthalate	ND	ug/kg	374	1	06/25/14 12:30	06/27/14 23:11	131-11-3	
Di-n-butylphthalate	ND	ug/kg	374	1	06/25/14 12:30	06/27/14 23:11	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	1810	1	06/25/14 12:30	06/27/14 23:11	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	1810	1	06/25/14 12:30	06/27/14 23:11	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	374	1	06/25/14 12:30	06/27/14 23:11	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	374	1	06/25/14 12:30	06/27/14 23:11	606-20-2	
Di-n-octylphthalate	ND	ug/kg	374	1	06/25/14 12:30	06/27/14 23:11	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	374	1	06/25/14 12:30	06/27/14 23:11	117-81-7	
Fluoranthene	ND	ug/kg	374	1	06/25/14 12:30	06/27/14 23:11	206-44-0	
Fluorene	ND	ug/kg	374	1	06/25/14 12:30	06/27/14 23:11	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/kg	374	1	06/25/14 12:30	06/27/14 23:11	87-68-3	
Hexachlorobenzene	ND	ug/kg	374	1	06/25/14 12:30	06/27/14 23:11	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	374	1	06/25/14 12:30	06/27/14 23:11	77-47-4	
Hexachloroethane	ND	ug/kg	374	1	06/25/14 12:30	06/27/14 23:11	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	374	1	06/25/14 12:30	06/27/14 23:11	193-39-5	
Isophorone	ND	ug/kg	374	1	06/25/14 12:30	06/27/14 23:11	78-59-1	
2-Methylnaphthalene	1220	ug/kg	374	1	06/25/14 12:30	06/27/14 23:11	91-57-6	
2-Methylphenol(o-Cresol)	504	ug/kg	374	1	06/25/14 12:30	06/27/14 23:11	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	748	1	06/25/14 12:30	06/27/14 23:11		
Naphthalene	3120	ug/kg	374	1	06/25/14 12:30	06/27/14 23:11	91-20-3	
2-Nitroaniline	ND	ug/kg	1810	1	06/25/14 12:30	06/27/14 23:11	88-74-4	
3-Nitroaniline	ND	ug/kg	1810	1	06/25/14 12:30	06/27/14 23:11	99-09-2	
4-Nitroaniline	ND	ug/kg	1810	1	06/25/14 12:30	06/27/14 23:11	100-01-6	
Nitrobenzene	ND	ug/kg	374	1	06/25/14 12:30	06/27/14 23:11	98-95-3	
2-Nitrophenol	ND	ug/kg	374	1	06/25/14 12:30	06/27/14 23:11	88-75-5	
4-Nitrophenol	ND	ug/kg	1810	1	06/25/14 12:30	06/27/14 23:11	100-02-7	
N-Nitroso-di-n-propylamine	ND	ug/kg	374	1	06/25/14 12:30	06/27/14 23:11	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	374	1	06/25/14 12:30	06/27/14 23:11	86-30-6	
Pentachlorophenol	ND	ug/kg	1810	1	06/25/14 12:30	06/27/14 23:11	87-86-5	
Phenanthrene	710	ug/kg	374	1	06/25/14 12:30	06/27/14 23:11	85-01-8	
Phenol	1960	ug/kg	374	1	06/25/14 12:30	06/27/14 23:11	108-95-2	
Pyrene	ND	ug/kg	374	1	06/25/14 12:30	06/27/14 23:11	129-00-0	
2,4,5-Trichlorophenol	ND	ug/kg	374	1	06/25/14 12:30	06/27/14 23:11	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	374	1	06/25/14 12:30	06/27/14 23:11	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	64 %		28-101	1	06/25/14 12:30	06/27/14 23:11	4165-60-0	
2-Fluorobiphenyl (S)	69 %		31-94	1	06/25/14 12:30	06/27/14 23:11	321-60-8	
p-Terphenyl-d14 (S)	92 %		26-110	1	06/25/14 12:30	06/27/14 23:11	1718-51-0	
Phenol-d5 (S)	63 %		28-101	1	06/25/14 12:30	06/27/14 23:11	4165-62-2	
2-Fluorophenol (S)	59 %		24-104	1	06/25/14 12:30	06/27/14 23:11	367-12-4	
2,4,6-Tribromophenol (S)	64 %		16-122	1	06/25/14 12:30	06/27/14 23:11	118-79-6	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Sibley-Accucast/2339-356-03-00

Pace Project No.: 5099688

Sample: P-8 RE(0-2) **Lab ID: 5099688012** Collected: 06/20/14 08:45 Received: 06/21/14 10:54 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Percent Moisture		Analytical Method: ASTM D2974-87						
Percent Moisture	12.7 %		0.10	1		06/26/14 12:11		

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ANALYTICAL RESULTS

Project: Sibley-Accucast/2339-356-03-00

Project No.: 5099688

Sample: SOIL EQ BLANK	Lab ID: 5099688013	Collected: 06/20/14 11:25	Received: 06/21/14 10:54	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB								
Analytical Method: EPA 8082 Preparation Method: EPA 3510								
PCB-1016 (Aroclor 1016)	ND ug/L		0.59	1	06/23/14 15:00	06/24/14 20:34	12674-11-2	
PCB-1221 (Aroclor 1221)	ND ug/L		0.59	1	06/23/14 15:00	06/24/14 20:34	11104-28-2	
PCB-1232 (Aroclor 1232)	ND ug/L		0.59	1	06/23/14 15:00	06/24/14 20:34	11141-16-5	
PCB-1242 (Aroclor 1242)	ND ug/L		0.59	1	06/23/14 15:00	06/24/14 20:34	53469-21-9	
PCB-1248 (Aroclor 1248)	ND ug/L		0.59	1	06/23/14 15:00	06/24/14 20:34	12672-29-6	
PCB-1254 (Aroclor 1254)	ND ug/L		0.59	1	06/23/14 15:00	06/24/14 20:34	11097-69-1	
PCB-1260 (Aroclor 1260)	ND ug/L		0.59	1	06/23/14 15:00	06/24/14 20:34	11096-82-5	
Surrogates								
Tetrachloro-m-xylene (S)	79 %.		32-115	1	06/23/14 15:00	06/24/14 20:34	877-09-8	
6010 MET ICP								
Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Antimony	ND ug/L		6.0	1	06/24/14 14:44	06/25/14 14:30	7440-36-0	
Arsenic	ND ug/L		10.0	1	06/24/14 14:44	06/25/14 14:30	7440-38-2	
Chromium	ND ug/L		10.0	1	06/24/14 14:44	06/25/14 14:30	7440-47-3	
Cobalt	ND ug/L		10.0	1	06/24/14 14:44	06/25/14 14:30	7440-48-4	
Iron	ND ug/L		100	1	06/24/14 14:44	06/25/14 14:30	7439-89-6	
Lead	ND ug/L		10.0	1	06/24/14 14:44	06/25/14 14:30	7439-92-1	
Selenium	ND ug/L		10.0	1	06/24/14 14:44	06/25/14 14:30	7782-49-2	
Thallium	ND ug/L		10.0	1	06/24/14 14:44	06/25/14 14:30	7440-28-0	
8270 MSSV Semivolatile Organic								
Analytical Method: EPA 8270 Preparation Method: EPA 3510								
Acenaphthene	ND ug/L		10.3	1	06/24/14 10:38	06/24/14 21:06	83-32-9	
Acenaphthylene	ND ug/L		10.3	1	06/24/14 10:38	06/24/14 21:06	208-96-8	
Anthracene	ND ug/L		10.3	1	06/24/14 10:38	06/24/14 21:06	120-12-7	
Benzo(a)anthracene	ND ug/L		10.3	1	06/24/14 10:38	06/24/14 21:06	56-55-3	
Benzo(a)pyrene	ND ug/L		10.3	1	06/24/14 10:38	06/24/14 21:06	50-32-8	
Benzo(b)fluoranthene	ND ug/L		10.3	1	06/24/14 10:38	06/24/14 21:06	205-99-2	
Benzo(g,h,i)perylene	ND ug/L		10.3	1	06/24/14 10:38	06/24/14 21:06	191-24-2	
Benzo(k)fluoranthene	ND ug/L		10.3	1	06/24/14 10:38	06/24/14 21:06	207-08-9	
Benzyl alcohol	ND ug/L		20.6	1	06/24/14 10:38	06/24/14 21:06	100-51-6	
4-Bromophenylphenyl ether	ND ug/L		10.3	1	06/24/14 10:38	06/24/14 21:06	101-55-3	
Butylbenzylphthalate	ND ug/L		10.3	1	06/24/14 10:38	06/24/14 21:06	85-68-7	
4-Chloro-3-methylphenol	ND ug/L		20.6	1	06/24/14 10:38	06/24/14 21:06	59-50-7	
4-Chloroaniline	ND ug/L		20.6	1	06/24/14 10:38	06/24/14 21:06	106-47-8	
bis(2-Chloroethoxy)methane	ND ug/L		10.3	1	06/24/14 10:38	06/24/14 21:06	111-91-1	
bis(2-Chloroethyl) ether	ND ug/L		10.3	1	06/24/14 10:38	06/24/14 21:06	111-44-4	
bis(2chloro1methylethyl) ether	ND ug/L		5.2	1	06/24/14 10:38	06/24/14 21:06	108-60-1	
2-Chloronaphthalene	ND ug/L		10.3	1	06/24/14 10:38	06/24/14 21:06	91-58-7	
2-Chlorophenol	ND ug/L		10.3	1	06/24/14 10:38	06/24/14 21:06	95-57-8	
4-Chlorophenylphenyl ether	ND ug/L		10.3	1	06/24/14 10:38	06/24/14 21:06	7005-72-3	
Chrysene	ND ug/L		10.3	1	06/24/14 10:38	06/24/14 21:06	218-01-9	
Dibenz(a,h)anthracene	ND ug/L		10.3	1	06/24/14 10:38	06/24/14 21:06	53-70-3	
Dibenzofuran	ND ug/L		10.3	1	06/24/14 10:38	06/24/14 21:06	132-64-9	
3,3'-Dichlorobenzidine	ND ug/L		20.6	1	06/24/14 10:38	06/24/14 21:06	91-94-1	
2,4-Dichlorophenol	ND ug/L		10.3	1	06/24/14 10:38	06/24/14 21:06	120-83-2	
Diethylphthalate	ND ug/L		10.3	1	06/24/14 10:38	06/24/14 21:06	84-66-2	

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ANALYTICAL RESULTS

Project: Sibley-Accucast/2339-356-03-00

Sample Project No.: 5099688

Sample: SOIL EQ BLANK	Lab ID: 5099688013	Collected: 06/20/14 11:25	Received: 06/21/14 10:54	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Organic								
Analytical Method: EPA 8270 Preparation Method: EPA 3510								
2,4-Dimethylphenol	ND ug/L		10.3	1	06/24/14 10:38	06/24/14 21:06	105-67-9	
Dimethylphthalate	ND ug/L		10.3	1	06/24/14 10:38	06/24/14 21:06	131-11-3	
Di-n-butylphthalate	ND ug/L		10.3	1	06/24/14 10:38	06/24/14 21:06	84-74-2	
4,6-Dinitro-2-methylphenol	ND ug/L		51.5	1	06/24/14 10:38	06/24/14 21:06	534-52-1	
2,4-Dinitrophenol	ND ug/L		51.5	1	06/24/14 10:38	06/24/14 21:06	51-28-5	
2,4-Dinitrotoluene	ND ug/L		10.3	1	06/24/14 10:38	06/24/14 21:06	121-14-2	
2,6-Dinitrotoluene	ND ug/L		10.3	1	06/24/14 10:38	06/24/14 21:06	606-20-2	
Di-n-octylphthalate	ND ug/L		10.3	1	06/24/14 10:38	06/24/14 21:06	117-84-0	
bis(2-Ethylhexyl)phthalate	ND ug/L		5.2	1	06/24/14 10:38	06/24/14 21:06	117-81-7	
Fluoranthene	ND ug/L		10.3	1	06/24/14 10:38	06/24/14 21:06	206-44-0	
Fluorene	ND ug/L		10.3	1	06/24/14 10:38	06/24/14 21:06	86-73-7	
Hexachloro-1,3-butadiene	ND ug/L		5.2	1	06/24/14 10:38	06/24/14 21:06	87-68-3	
Hexachlorobenzene	ND ug/L		10.3	1	06/24/14 10:38	06/24/14 21:06	118-74-1	
Hexachlorocyclopentadiene	ND ug/L		20.6	1	06/24/14 10:38	06/24/14 21:06	77-47-4	
Hexachloroethane	ND ug/L		10.3	1	06/24/14 10:38	06/24/14 21:06	67-72-1	
Indeno(1,2,3-cd)pyrene	ND ug/L		10.3	1	06/24/14 10:38	06/24/14 21:06	193-39-5	
Isophorone	ND ug/L		10.3	1	06/24/14 10:38	06/24/14 21:06	78-59-1	
2-Methylnaphthalene	ND ug/L		10.3	1	06/24/14 10:38	06/24/14 21:06	91-57-6	
2-Methylphenol(o-Cresol)	ND ug/L		10.3	1	06/24/14 10:38	06/24/14 21:06	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND ug/L		20.6	1	06/24/14 10:38	06/24/14 21:06		
Naphthalene	ND ug/L		5.2	1	06/24/14 10:38	06/24/14 21:06	91-20-3	
2-Nitroaniline	ND ug/L		51.5	1	06/24/14 10:38	06/24/14 21:06	88-74-4	
3-Nitroaniline	ND ug/L		51.5	1	06/24/14 10:38	06/24/14 21:06	99-09-2	
4-Nitroaniline	ND ug/L		51.5	1	06/24/14 10:38	06/24/14 21:06	100-01-6	
Nitrobenzene	ND ug/L		10.3	1	06/24/14 10:38	06/24/14 21:06	98-95-3	
2-Nitrophenol	ND ug/L		10.3	1	06/24/14 10:38	06/24/14 21:06	88-75-5	
4-Nitrophenol	ND ug/L		51.5	1	06/24/14 10:38	06/24/14 21:06	100-02-7	
N-Nitroso-di-n-propylamine	ND ug/L		10.3	1	06/24/14 10:38	06/24/14 21:06	621-64-7	
N-Nitrosodiphenylamine	ND ug/L		10.3	1	06/24/14 10:38	06/24/14 21:06	86-30-6	
Pentachlorophenol	ND ug/L		51.5	1	06/24/14 10:38	06/24/14 21:06	87-86-5	
Phenanthrene	ND ug/L		10.3	1	06/24/14 10:38	06/24/14 21:06	85-01-8	
Phenol	ND ug/L		10.3	1	06/24/14 10:38	06/24/14 21:06	108-95-2	
Pyrene	ND ug/L		10.3	1	06/24/14 10:38	06/24/14 21:06	129-00-0	
2,4,5-Trichlorophenol	ND ug/L		10.3	1	06/24/14 10:38	06/24/14 21:06	95-95-4	
2,4,6-Trichlorophenol	ND ug/L		10.3	1	06/24/14 10:38	06/24/14 21:06	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	75 %.		29-126	1	06/24/14 10:38	06/24/14 21:06	4165-60-0	
2-Fluorobiphenyl (S)	77 %.		31-118	1	06/24/14 10:38	06/24/14 21:06	321-60-8	
p-Terphenyl-d14 (S)	58 %.		28-129	1	06/24/14 10:38	06/24/14 21:06	1718-51-0	
Phenol-d5 (S)	14 %.		10-47	1	06/24/14 10:38	06/24/14 21:06	4165-62-2	
2-Fluorophenol (S)	25 %.		10-67	1	06/24/14 10:38	06/24/14 21:06	367-12-4	
2,4,6-Tribromophenol (S)	89 %.		31-161	1	06/24/14 10:38	06/24/14 21:06	118-79-6	
8260 MSV								
Analytical Method: EPA 8260								
Acetone	ND ug/L		100	1		07/01/14 18:25	67-64-1	
Acrolein	ND ug/L		50.0	1		07/01/14 18:25	107-02-8	
Acrylonitrile	ND ug/L		100	1		07/01/14 18:25	107-13-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Sibley-Accucast/2339-356-03-00

Pace Project No.: 5099688

Sample: SOIL EQ BLANK	Lab ID: 5099688013	Collected: 06/20/14 11:25	Received: 06/21/14 10:54	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
Benzene	ND ug/L		5.0	1		07/01/14 18:25	71-43-2	
Bromobenzene	ND ug/L		5.0	1		07/01/14 18:25	108-86-1	
Bromochloromethane	ND ug/L		5.0	1		07/01/14 18:25	74-97-5	
Bromodichloromethane	ND ug/L		5.0	1		07/01/14 18:25	75-27-4	
Bromoform	ND ug/L		5.0	1		07/01/14 18:25	75-25-2	
Bromomethane	ND ug/L		5.0	1		07/01/14 18:25	74-83-9	
2-Butanone (MEK)	ND ug/L		25.0	1		07/01/14 18:25	78-93-3	
n-Butylbenzene	ND ug/L		5.0	1		07/01/14 18:25	104-51-8	
sec-Butylbenzene	ND ug/L		5.0	1		07/01/14 18:25	135-98-8	
tert-Butylbenzene	ND ug/L		5.0	1		07/01/14 18:25	98-06-6	
Carbon disulfide	ND ug/L		10.0	1		07/01/14 18:25	75-15-0	
Carbon tetrachloride	ND ug/L		5.0	1		07/01/14 18:25	56-23-5	
Chlorobenzene	ND ug/L		5.0	1		07/01/14 18:25	108-90-7	
Chloroethane	ND ug/L		5.0	1		07/01/14 18:25	75-00-3	
Chloroform	ND ug/L		5.0	1		07/01/14 18:25	67-66-3	
Chloromethane	ND ug/L		5.0	1		07/01/14 18:25	74-87-3	
2-Chlorotoluene	ND ug/L		5.0	1		07/01/14 18:25	95-49-8	
4-Chlorotoluene	ND ug/L		5.0	1		07/01/14 18:25	106-43-4	
Dibromochloromethane	ND ug/L		5.0	1		07/01/14 18:25	124-48-1	
1,2-Dibromoethane (EDB)	ND ug/L		5.0	1		07/01/14 18:25	106-93-4	
Dibromomethane	ND ug/L		5.0	1		07/01/14 18:25	74-95-3	
1,2-Dichlorobenzene	ND ug/L		5.0	1		07/01/14 18:25	95-50-1	
1,3-Dichlorobenzene	ND ug/L		5.0	1		07/01/14 18:25	541-73-1	
1,4-Dichlorobenzene	ND ug/L		5.0	1		07/01/14 18:25	106-46-7	
trans-1,4-Dichloro-2-butene	ND ug/L		100	1		07/01/14 18:25	110-57-6	
Dichlorodifluoromethane	ND ug/L		5.0	1		07/01/14 18:25	75-71-8	
1,1-Dichloroethane	ND ug/L		5.0	1		07/01/14 18:25	75-34-3	
1,2-Dichloroethane	ND ug/L		5.0	1		07/01/14 18:25	107-06-2	
1,1-Dichloroethene	ND ug/L		5.0	1		07/01/14 18:25	75-35-4	
cis-1,2-Dichloroethene	ND ug/L		5.0	1		07/01/14 18:25	156-59-2	
trans-1,2-Dichloroethene	ND ug/L		5.0	1		07/01/14 18:25	156-60-5	
1,2-Dichloropropane	ND ug/L		5.0	1		07/01/14 18:25	78-87-5	
1,3-Dichloropropane	ND ug/L		5.0	1		07/01/14 18:25	142-28-9	
2,2-Dichloropropane	ND ug/L		5.0	1		07/01/14 18:25	594-20-7	
1,1-Dichloropropene	ND ug/L		5.0	1		07/01/14 18:25	563-58-6	
cis-1,3-Dichloropropene	ND ug/L		5.0	1		07/01/14 18:25	10061-01-5	
trans-1,3-Dichloropropene	ND ug/L		5.0	1		07/01/14 18:25	10061-02-6	
Ethylbenzene	ND ug/L		5.0	1		07/01/14 18:25	100-41-4	
Ethyl methacrylate	ND ug/L		100	1		07/01/14 18:25	97-63-2	
Hexachloro-1,3-butadiene	ND ug/L		5.0	1		07/01/14 18:25	87-68-3	
n-Hexane	ND ug/L		5.0	1		07/01/14 18:25	110-54-3	N2
2-Hexanone	ND ug/L		25.0	1		07/01/14 18:25	591-78-6	
Iodomethane	ND ug/L		10.0	1		07/01/14 18:25	74-88-4	
Isopropylbenzene (Cumene)	ND ug/L		5.0	1		07/01/14 18:25	98-82-8	
p-Isopropyltoluene	ND ug/L		5.0	1		07/01/14 18:25	99-87-6	
Methylene Chloride	ND ug/L		5.0	1		07/01/14 18:25	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND ug/L		25.0	1		07/01/14 18:25	108-10-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Sibley-Accucast/2339-356-03-00

Pace Project No.: 5099688

Sample: SOIL EQ BLANK		Lab ID: 5099688013	Collected: 06/20/14 11:25	Received: 06/21/14 10:54	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
Methyl-tert-butyl ether	ND	ug/L	4.0	1		07/01/14 18:25	1634-04-4	
Naphthalene	ND	ug/L	5.0	1		07/01/14 18:25	91-20-3	
n-Propylbenzene	ND	ug/L	5.0	1		07/01/14 18:25	103-65-1	
Styrene	ND	ug/L	5.0	1		07/01/14 18:25	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	1		07/01/14 18:25	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		07/01/14 18:25	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		07/01/14 18:25	127-18-4	
Toluene	ND	ug/L	5.0	1		07/01/14 18:25	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	5.0	1		07/01/14 18:25	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		07/01/14 18:25	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		07/01/14 18:25	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		07/01/14 18:25	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		07/01/14 18:25	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		07/01/14 18:25	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	5.0	1		07/01/14 18:25	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	5.0	1		07/01/14 18:25	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	5.0	1		07/01/14 18:25	108-67-8	
Vinyl acetate	ND	ug/L	50.0	1		07/01/14 18:25	108-05-4	
Vinyl chloride	ND	ug/L	2.0	1		07/01/14 18:25	75-01-4	
Xylene (Total)	ND	ug/L	10.0	1		07/01/14 18:25	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	101 %.		79-116	1		07/01/14 18:25	1868-53-7	
4-Bromofluorobenzene (S)	89 %.		80-114	1		07/01/14 18:25	460-00-4	
Toluene-d8 (S)	96 %.		81-110	1		07/01/14 18:25	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Sibley-Accucast/2339-356-03-00

Pace Project No.: 5099688

QC Batch: MPRP/13629 Analysis Method: EPA 6010
 QC Batch Method: EPA 3050 Analysis Description: 6010 MET
 Associated Lab Samples: 5099688001, 5099688002, 5099688003, 5099688004, 5099688005, 5099688006, 5099688007, 5099688008, 5099688009, 5099688010, 5099688011, 5099688012

METHOD BLANK: 1115936 Matrix: Solid
 Associated Lab Samples: 5099688001, 5099688002, 5099688003, 5099688004, 5099688005, 5099688006, 5099688007, 5099688008, 5099688009, 5099688010, 5099688011, 5099688012

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Antimony	mg/kg	ND	1.0	06/24/14 10:25	
Arsenic	mg/kg	ND	1.0	06/24/14 10:25	
Chromium	mg/kg	ND	1.0	06/24/14 10:25	
Cobalt	mg/kg	ND	1.0	06/24/14 10:25	
Iron	mg/kg	ND	50.0	06/24/14 10:25	
Lead	mg/kg	ND	1.0	06/24/14 10:25	
Selenium	mg/kg	ND	1.0	06/24/14 10:25	
Thallium	mg/kg	ND	1.0	06/24/14 10:25	

LABORATORY CONTROL SAMPLE: 1115937

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	mg/kg	50	50.2	100	80-120	
Arsenic	mg/kg	50	51.4	103	80-120	
Chromium	mg/kg	50	49.6	99	80-120	
Cobalt	mg/kg	50	49.9	100	80-120	
Iron	mg/kg	500	502	100	80-120	
Lead	mg/kg	50	50.2	100	80-120	
Selenium	mg/kg	50	50.6	101	80-120	
Thallium	mg/kg	50	49.5	99	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1115938 1115939

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		5099697001 Result	Spike Conc.	Spike Conc.	MSD Result								
Antimony	mg/kg	ND	53.8	53.1	12.6	13.2	23	25	75-125	5	20	M3	
Arsenic	mg/kg	9.0	53.8	53.1	56.6	55.3	88	87	75-125	2	20		
Chromium	mg/kg	18.8	53.8	53.1	64.7	65.0	85	87	75-125	0	20		
Cobalt	mg/kg	11.6	53.8	53.1	55.6	54.8	82	81	75-125	1	20		
Iron	mg/kg	23600	538	531	19600	19100	-740	-837	75-125	2	20	P6	
Lead	mg/kg	11.4	53.8	53.1	56.1	56.0	83	84	75-125	0	20		
Selenium	mg/kg	ND	53.8	53.1	47.9	47.5	89	89	75-125	1	20		
Thallium	mg/kg	4.0	53.8	53.1	50.0	50.7	85	88	75-125	1	20		

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QUALITY CONTROL DATA

Project: Sibley-Accucast/2339-356-03-00

Pace Project No.: 5099688

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1115940			1115941									
Parameter	Units	5099688001 Result	MS	MSD	MS	MSD	MS	MSD	% Rec	Max		
			Spike Conc.	Spike Conc.	Result	Result	% Rec	% Rec	Limits	RPD	RPD	Qual
Antimony	mg/kg	ND	46	44.3	34.7	31.9	75	72	75-125	8	20	M0
Arsenic	mg/kg	1.6	46	44.3	48.6	47.5	102	104	75-125	2	20	
Chromium	mg/kg	2.6	46	44.3	44.9	42.7	92	91	75-125	5	20	
Cobalt	mg/kg	1.2	46	44.3	44.6	42.9	94	94	75-125	4	20	
Iron	mg/kg	2980	460	443	3580	3990	129	227	75-125	11	20	P6
Lead	mg/kg	1.9	46	44.3	46.1	45.7	96	99	75-125	1	20	
Selenium	mg/kg	ND	46	44.3	47.4	46.1	103	104	75-125	3	20	
Thallium	mg/kg	1.8	46	44.3	45.8	43.9	96	95	75-125	4	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1115942			1115943									
Parameter	Units	5099688008 Result	MS	MSD	MS	MSD	MS	MSD	% Rec	Max		
			Spike Conc.	Spike Conc.	Result	Result	% Rec	% Rec	Limits	RPD	RPD	Qual
Antimony	mg/kg	ND	51.5	52.4	29.5	27.5	56	51	75-125	7	20	M3
Arsenic	mg/kg	6.3	51.5	52.4	57.6	59.2	100	101	75-125	3	20	
Chromium	mg/kg	27.5	51.5	52.4	70.0	77.6	83	96	75-125	10	20	
Cobalt	mg/kg	4.6	51.5	52.4	53.5	54.3	95	95	75-125	2	20	
Iron	mg/kg	32700	515	524	23900	34900	-1710	424	75-125	38	20	3d,P6
Lead	mg/kg	127	51.5	52.4	153	179	50	98	75-125	15	20	
Selenium	mg/kg	ND	51.5	52.4	52.1	51.8	101	99	75-125	1	20	
Thallium	mg/kg	2.3	51.5	52.4	51.3	51.5	95	94	75-125	0	20	

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QUALITY CONTROL DATA

Project: Sibley-Accucast/2339-356-03-00
Pace Project No.: 5099688

QC Batch: MPRP/13638 Analysis Method: EPA 6010
QC Batch Method: EPA 3010 Analysis Description: 6010 MET
Associated Lab Samples: 5099688013

METHOD BLANK: 1116762 Matrix: Water
Associated Lab Samples: 5099688013

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Antimony	ug/L	ND	6.0	06/25/14 15:09	
Arsenic	ug/L	ND	10.0	06/25/14 15:09	
Chromium	ug/L	ND	10.0	06/25/14 15:09	
Cobalt	ug/L	ND	10.0	06/25/14 15:09	
Iron	ug/L	ND	100	06/25/14 15:09	
Lead	ug/L	ND	10.0	06/25/14 15:09	
Selenium	ug/L	ND	10.0	06/25/14 15:09	
Thallium	ug/L	ND	10.0	06/25/14 15:09	

LABORATORY CONTROL SAMPLE: 1116763

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	1000	1010	101	80-120	
Arsenic	ug/L	1000	999	100	80-120	
Chromium	ug/L	1000	982	98	80-120	
Cobalt	ug/L	1000	990	99	80-120	
Iron	ug/L	10000	10100	101	80-120	
Lead	ug/L	1000	948	95	80-120	
Selenium	ug/L	1000	981	98	80-120	
Thallium	ug/L	1000	950	95	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1116764 1116765

Parameter	Units	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual	
		5099737001 Result	Spike Conc.	Spike Conc.	MS Result							MSD Result
Antimony	ug/L	ND	1000	1000	1040	1040	104	104	75-125	0	20	
Arsenic	ug/L	0.0054 mg/L	1000	1000	1040	1050	104	104	75-125	0	20	
Chromium	ug/L	ND	1000	1000	1000	999	100	99	75-125	1	20	
Cobalt	ug/L	0.013 mg/L	1000	1000	1010	1000	99	99	75-125	0	20	
Iron	ug/L	13.2 mg/L	10000	10000	25300	25800	122	126	75-125	2	20	M0
Lead	ug/L	ND	1000	1000	949	944	95	94	75-125	0	20	
Selenium	ug/L	ND	1000	1000	1010	1000	101	100	75-125	1	20	
Thallium	ug/L	ND	1000	1000	946	943	95	94	75-125	0	20	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Sibley-Accucast/2339-356-03-00

Pace Project No.: 5099688

QC Batch: MSV/66354

Analysis Method: EPA 8260

QC Batch Method: EPA 8260

Analysis Description: 8260 MSV

Associated Lab Samples: 5099688013

METHOD BLANK: 1121182

Matrix: Water

Associated Lab Samples: 5099688013

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	ND	5.0	07/01/14 13:33	
1,1,2,2-Tetrachloroethane	ug/L	ND	5.0	07/01/14 13:33	
1,1,2-Trichloroethane	ug/L	ND	5.0	07/01/14 13:33	
1,1-Dichloroethane	ug/L	ND	5.0	07/01/14 13:33	
1,1-Dichloroethene	ug/L	ND	5.0	07/01/14 13:33	
1,2,4-Trichlorobenzene	ug/L	ND	5.0	07/01/14 13:33	
1,2-Dibromoethane (EDB)	ug/L	ND	5.0	07/01/14 13:33	
1,2-Dichlorobenzene	ug/L	ND	5.0	07/01/14 13:33	
1,2-Dichloroethane	ug/L	ND	5.0	07/01/14 13:33	
1,2-Dichloropropane	ug/L	ND	5.0	07/01/14 13:33	
1,3-Dichlorobenzene	ug/L	ND	5.0	07/01/14 13:33	
1,4-Dichlorobenzene	ug/L	ND	5.0	07/01/14 13:33	
2-Butanone (MEK)	ug/L	ND	25.0	07/01/14 13:33	
2-Hexanone	ug/L	ND	25.0	07/01/14 13:33	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	25.0	07/01/14 13:33	
Acetone	ug/L	ND	100	07/01/14 13:33	
Benzene	ug/L	ND	5.0	07/01/14 13:33	
Bromodichloromethane	ug/L	ND	5.0	07/01/14 13:33	
Bromoform	ug/L	ND	5.0	07/01/14 13:33	
Bromomethane	ug/L	ND	5.0	07/01/14 13:33	
Carbon disulfide	ug/L	ND	10.0	07/01/14 13:33	
Carbon tetrachloride	ug/L	ND	5.0	07/01/14 13:33	
Chlorobenzene	ug/L	ND	5.0	07/01/14 13:33	
Chloroethane	ug/L	ND	5.0	07/01/14 13:33	
Chloroform	ug/L	ND	5.0	07/01/14 13:33	
Chloromethane	ug/L	ND	5.0	07/01/14 13:33	
cis-1,2-Dichloroethene	ug/L	ND	5.0	07/01/14 13:33	
cis-1,3-Dichloropropene	ug/L	ND	5.0	07/01/14 13:33	
Dibromochloromethane	ug/L	ND	5.0	07/01/14 13:33	
Dichlorodifluoromethane	ug/L	ND	5.0	07/01/14 13:33	
Ethylbenzene	ug/L	ND	5.0	07/01/14 13:33	
Isopropylbenzene (Cumene)	ug/L	ND	5.0	07/01/14 13:33	
Methyl-tert-butyl ether	ug/L	ND	4.0	07/01/14 13:33	
Methylene Chloride	ug/L	ND	5.0	07/01/14 13:33	
Styrene	ug/L	ND	5.0	07/01/14 13:33	
Tetrachloroethene	ug/L	ND	5.0	07/01/14 13:33	
Toluene	ug/L	ND	5.0	07/01/14 13:33	
trans-1,2-Dichloroethene	ug/L	ND	5.0	07/01/14 13:33	
trans-1,3-Dichloropropene	ug/L	ND	5.0	07/01/14 13:33	
Trichloroethene	ug/L	ND	5.0	07/01/14 13:33	
Trichlorofluoromethane	ug/L	ND	5.0	07/01/14 13:33	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Sibley-Accucast/2339-356-03-00

Pace Project No.: 5099688

METHOD BLANK: 1121182

Matrix: Water

Associated Lab Samples: 5099688013

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Vinyl chloride	ug/L	ND	2.0	07/01/14 13:33	
Xylene (Total)	ug/L	ND	10.0	07/01/14 13:33	
4-Bromofluorobenzene (S)	%	93	80-114	07/01/14 13:33	
Dibromofluoromethane (S)	%	98	79-116	07/01/14 13:33	
Toluene-d8 (S)	%	96	81-110	07/01/14 13:33	

LABORATORY CONTROL SAMPLE: 1121183

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	56.4	113	71-129	
1,1,2,2-Tetrachloroethane	ug/L	50	55.3	111	66-126	
1,1,2-Trichloroethane	ug/L	50	50.7	101	77-130	
1,1-Dichloroethane	ug/L	50	54.1	108	75-130	
1,1-Dichloroethene	ug/L	50	49.2	98	68-127	
1,2,4-Trichlorobenzene	ug/L	50	43.5	87	68-131	
1,2-Dibromoethane (EDB)	ug/L	50	55.5	111	76-125	
1,2-Dichlorobenzene	ug/L	50	52.8	106	75-123	
1,2-Dichloroethane	ug/L	50	47.8	96	75-128	
1,2-Dichloropropane	ug/L	50	52.8	106	74-121	
1,3-Dichlorobenzene	ug/L	50	50.8	102	74-122	
1,4-Dichlorobenzene	ug/L	50	50.6	101	76-120	
2-Butanone (MEK)	ug/L	250	304	121	58-139	
2-Hexanone	ug/L	250	339	136	54-140	
4-Methyl-2-pentanone (MIBK)	ug/L	250	325	130	58-138	
Acetone	ug/L	250	320	128	49-150	
Benzene	ug/L	50	52.9	106	74-122	
Bromodichloromethane	ug/L	50	56.2	112	62-136	
Bromoform	ug/L	50	44.3	89	44-134	
Bromomethane	ug/L	50	79.9	160	22-181	
Carbon disulfide	ug/L	100	113	113	59-132	
Carbon tetrachloride	ug/L	50	56.3	113	56-137	
Chlorobenzene	ug/L	50	50.4	101	78-123	
Chloroethane	ug/L	50	46.1	92	60-144	
Chloroform	ug/L	50	50.1	100	78-126	
Chloromethane	ug/L	50	50.2	100	42-134	
cis-1,2-Dichloroethene	ug/L	50	51.5	103	75-122	
cis-1,3-Dichloropropene	ug/L	50	47.9	96	64-126	
Dibromochloromethane	ug/L	50	44.8	90	58-128	
Dichlorodifluoromethane	ug/L	50	54.5	109	35-181	
Ethylbenzene	ug/L	50	55.3	111	66-133	
Isopropylbenzene (Cumene)	ug/L	50	56.0	112	69-124	
Methyl-tert-butyl ether	ug/L	100	98.4	98	69-122	
Methylene Chloride	ug/L	50	49.5	99	68-132	
Styrene	ug/L	50	53.8	108	74-126	

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QUALITY CONTROL DATA

Project: Sibley-Accucast/2339-356-03-00

Pace Project No.: 5099688

LABORATORY CONTROL SAMPLE: 1121183

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Tetrachloroethene	ug/L	50	48.4	97	69-130	
Toluene	ug/L	50	51.4	103	72-122	
trans-1,2-Dichloroethene	ug/L	50	47.8	96	72-124	
trans-1,3-Dichloropropene	ug/L	50	45.3	91	64-121	
Trichloroethene	ug/L	50	50.5	101	76-126	
Trichlorofluoromethane	ug/L	50	49.9	100	76-149	
Vinyl chloride	ug/L	50	52.0	104	59-126	
Xylene (Total)	ug/L	150	174	116	70-124	
4-Bromofluorobenzene (S)	%			106	80-114	
Dibromofluoromethane (S)	%			99	79-116	
Toluene-d8 (S)	%			100	81-110	

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QUALITY CONTROL DATA

Project: Sibley-Accucast/2339-356-03-00

Pace Project No.: 5099688

QC Batch: MSV/66411 Analysis Method: EPA 8260
 QC Batch Method: EPA 8260 Analysis Description: 8260 MSV 5035A Volatile Organics
 Associated Lab Samples: 5099688001, 5099688002, 5099688003, 5099688004

METHOD BLANK: 1122044 Matrix: Solid
 Associated Lab Samples: 5099688001, 5099688002, 5099688003, 5099688004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	ND	5.0	07/02/14 11:09	
1,1,1-Trichloroethane	ug/kg	ND	5.0	07/02/14 11:09	
1,1,2,2-Tetrachloroethane	ug/kg	ND	5.0	07/02/14 11:09	
1,1,2-Trichloroethane	ug/kg	ND	5.0	07/02/14 11:09	
1,1-Dichloroethane	ug/kg	ND	5.0	07/02/14 11:09	
1,1-Dichloroethene	ug/kg	ND	5.0	07/02/14 11:09	
1,1-Dichloropropene	ug/kg	ND	5.0	07/02/14 11:09	
1,2,3-Trichlorobenzene	ug/kg	ND	5.0	07/02/14 11:09	
1,2,3-Trichloropropane	ug/kg	ND	5.0	07/02/14 11:09	
1,2,4-Trichlorobenzene	ug/kg	ND	5.0	07/02/14 11:09	
1,2,4-Trimethylbenzene	ug/kg	ND	5.0	07/02/14 11:09	
1,2-Dibromoethane (EDB)	ug/kg	ND	5.0	07/02/14 11:09	
1,2-Dichlorobenzene	ug/kg	ND	5.0	07/02/14 11:09	
1,2-Dichloroethane	ug/kg	ND	5.0	07/02/14 11:09	
1,2-Dichloropropane	ug/kg	ND	5.0	07/02/14 11:09	
1,3,5-Trimethylbenzene	ug/kg	ND	5.0	07/02/14 11:09	
1,3-Dichlorobenzene	ug/kg	ND	5.0	07/02/14 11:09	
1,3-Dichloropropane	ug/kg	ND	5.0	07/02/14 11:09	
1,4-Dichlorobenzene	ug/kg	ND	5.0	07/02/14 11:09	
2,2-Dichloropropane	ug/kg	ND	5.0	07/02/14 11:09	
2-Butanone (MEK)	ug/kg	ND	25.0	07/02/14 11:09	
2-Chlorotoluene	ug/kg	ND	5.0	07/02/14 11:09	
2-Hexanone	ug/kg	ND	100	07/02/14 11:09	
4-Chlorotoluene	ug/kg	ND	5.0	07/02/14 11:09	
4-Methyl-2-pentanone (MIBK)	ug/kg	ND	25.0	07/02/14 11:09	
Acetone	ug/kg	ND	100	07/02/14 11:09	
Acrolein	ug/kg	ND	100	07/02/14 11:09	
Acrylonitrile	ug/kg	ND	100	07/02/14 11:09	
Benzene	ug/kg	ND	5.0	07/02/14 11:09	
Bromobenzene	ug/kg	ND	5.0	07/02/14 11:09	
Bromochloromethane	ug/kg	ND	5.0	07/02/14 11:09	
Bromodichloromethane	ug/kg	ND	5.0	07/02/14 11:09	
Bromoform	ug/kg	ND	5.0	07/02/14 11:09	
Bromomethane	ug/kg	ND	5.0	07/02/14 11:09	
Carbon disulfide	ug/kg	ND	10.0	07/02/14 11:09	
Carbon tetrachloride	ug/kg	ND	5.0	07/02/14 11:09	
Chlorobenzene	ug/kg	ND	5.0	07/02/14 11:09	
Chloroethane	ug/kg	ND	5.0	07/02/14 11:09	
Chloroform	ug/kg	ND	5.0	07/02/14 11:09	
Chloromethane	ug/kg	ND	5.0	07/02/14 11:09	
cis-1,2-Dichloroethene	ug/kg	ND	5.0	07/02/14 11:09	

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QUALITY CONTROL DATA

Project: Sibley-Accucast/2339-356-03-00

Pace Project No.: 5099688

METHOD BLANK: 1122044

Matrix: Solid

Associated Lab Samples: 5099688001, 5099688002, 5099688003, 5099688004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
cis-1,3-Dichloropropene	ug/kg	ND	5.0	07/02/14 11:09	
Dibromochloromethane	ug/kg	ND	5.0	07/02/14 11:09	
Dibromomethane	ug/kg	ND	5.0	07/02/14 11:09	
Dichlorodifluoromethane	ug/kg	ND	5.0	07/02/14 11:09	
Ethyl methacrylate	ug/kg	ND	100	07/02/14 11:09	
Ethylbenzene	ug/kg	ND	5.0	07/02/14 11:09	
Hexachloro-1,3-butadiene	ug/kg	ND	5.0	07/02/14 11:09	
Iodomethane	ug/kg	ND	100	07/02/14 11:09	
Isopropylbenzene (Cumene)	ug/kg	ND	5.0	07/02/14 11:09	
Methyl-tert-butyl ether	ug/kg	ND	5.0	07/02/14 11:09	
Methylene Chloride	ug/kg	ND	20.0	07/02/14 11:09	
n-Butylbenzene	ug/kg	ND	5.0	07/02/14 11:09	
n-Hexane	ug/kg	ND	5.0	07/02/14 11:09	N2
n-Propylbenzene	ug/kg	ND	5.0	07/02/14 11:09	
Naphthalene	ug/kg	ND	5.0	07/02/14 11:09	
p-Isopropyltoluene	ug/kg	ND	5.0	07/02/14 11:09	
sec-Butylbenzene	ug/kg	ND	5.0	07/02/14 11:09	
Styrene	ug/kg	ND	5.0	07/02/14 11:09	
tert-Butylbenzene	ug/kg	ND	5.0	07/02/14 11:09	
Tetrachloroethene	ug/kg	ND	5.0	07/02/14 11:09	
Toluene	ug/kg	ND	5.0	07/02/14 11:09	
trans-1,2-Dichloroethene	ug/kg	ND	5.0	07/02/14 11:09	
trans-1,3-Dichloropropene	ug/kg	ND	5.0	07/02/14 11:09	
trans-1,4-Dichloro-2-butene	ug/kg	ND	100	07/02/14 11:09	
Trichloroethene	ug/kg	ND	5.0	07/02/14 11:09	
Trichlorofluoromethane	ug/kg	ND	5.0	07/02/14 11:09	
Vinyl acetate	ug/kg	ND	100	07/02/14 11:09	
Vinyl chloride	ug/kg	ND	5.0	07/02/14 11:09	
Xylene (Total)	ug/kg	ND	10.0	07/02/14 11:09	
4-Bromofluorobenzene (S)	%	99	56-144	07/02/14 11:09	
Dibromofluoromethane (S)	%	94	85-118	07/02/14 11:09	
Toluene-d8 (S)	%	94	71-128	07/02/14 11:09	

LABORATORY CONTROL SAMPLE: 1122045

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	50	44.4	89	62-123	
1,1,1-Trichloroethane	ug/kg	50	41.3	83	70-123	
1,1,2,2-Tetrachloroethane	ug/kg	50	38.9	78	65-124	
1,1,2-Trichloroethane	ug/kg	50	41.6	83	74-129	
1,1-Dichloroethane	ug/kg	50	42.6	85	73-130	
1,1-Dichloroethene	ug/kg	50	43.2	86	66-126	
1,1-Dichloropropene	ug/kg	50	41.4	83	78-125	
1,2,3-Trichlorobenzene	ug/kg	50	44.8	90	66-131	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Sibley-Accucast/2339-356-03-00

Pace Project No.: 5099688

LABORATORY CONTROL SAMPLE: 1122045

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,3-Trichloropropane	ug/kg	50	37.7	75	44-157	
1,2,4-Trichlorobenzene	ug/kg	50	45.4	91	68-129	
1,2,4-Trimethylbenzene	ug/kg	50	41.7	83	67-126	
1,2-Dibromoethane (EDB)	ug/kg	50	45.7	91	74-120	
1,2-Dichlorobenzene	ug/kg	50	41.9	84	73-122	
1,2-Dichloroethane	ug/kg	50	39.4	79	73-127	
1,2-Dichloropropane	ug/kg	50	44.4	89	75-118	
1,3,5-Trimethylbenzene	ug/kg	50	40.2	80	65-127	
1,3-Dichlorobenzene	ug/kg	50	41.3	83	73-121	
1,3-Dichloropropane	ug/kg	50	41.0	82	72-121	
1,4-Dichlorobenzene	ug/kg	50	41.8	84	75-119	
2,2-Dichloropropane	ug/kg	50	45.9	92	63-122	
2-Butanone (MEK)	ug/kg	250	238	95	59-139	
2-Chlorotoluene	ug/kg	50	39.6	79	72-121	
2-Hexanone	ug/kg	250	229	92	56-139	
4-Chlorotoluene	ug/kg	50	41.5	83	75-123	
4-Methyl-2-pentanone (MIBK)	ug/kg	250	214	86	63-136	
Acetone	ug/kg	250	299	120	46-156	
Acrolein	ug/kg	1000	1370	137	47-200	
Acrylonitrile	ug/kg	1000	900	90	67-130	
Benzene	ug/kg	50	46.1	92	74-119	
Bromobenzene	ug/kg	50	41.9	84	69-129	
Bromochloromethane	ug/kg	50	44.1	88	67-129	
Bromodichloromethane	ug/kg	50	41.4	83	68-121	
Bromoform	ug/kg	50	38.3	77	49-124	
Bromomethane	ug/kg	50	41.2	82	44-142	
Carbon disulfide	ug/kg	100	89.4	89	61-129	
Carbon tetrachloride	ug/kg	50	39.0	78	58-127	
Chlorobenzene	ug/kg	50	42.1	84	77-122	
Chloroethane	ug/kg	50	52.5	105	59-141	
Chloroform	ug/kg	50	40.5	81	75-124	
Chloromethane	ug/kg	50	48.9	98	46-133	
cis-1,2-Dichloroethene	ug/kg	50	42.0	84	72-122	
cis-1,3-Dichloropropene	ug/kg	50	39.0	78	68-115	
Dibromochloromethane	ug/kg	50	37.0	74	60-121	
Dibromomethane	ug/kg	50	39.6	79	72-124	
Dichlorodifluoromethane	ug/kg	50	33.1	66	26-186	
Ethyl methacrylate	ug/kg	200	157	79	63-130	
Ethylbenzene	ug/kg	50	42.4	85	72-123	
Hexachloro-1,3-butadiene	ug/kg	50	45.4	91	55-139	
Iodomethane	ug/kg	100	87.1J	87	38-149	
Isopropylbenzene (Cumene)	ug/kg	50	44.2	88	65-123	
Methyl-tert-butyl ether	ug/kg	100	86.0	86	68-120	
Methylene Chloride	ug/kg	50	34.9	70	57-142	
n-Butylbenzene	ug/kg	50	40.3	81	68-125	
n-Hexane	ug/kg	50	39.2	78	57-117 N2	
n-Propylbenzene	ug/kg	50	41.1	82	68-122	

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QUALITY CONTROL DATA

Project: Sibley-Accucast/2339-356-03-00

Pace Project No.: 5099688

LABORATORY CONTROL SAMPLE: 1122045

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Naphthalene	ug/kg	50	43.1	86	67-131	
p-Isopropyltoluene	ug/kg	50	40.4	81	66-133	
sec-Butylbenzene	ug/kg	50	40.9	82	64-131	
Styrene	ug/kg	50	44.4	89	70-126	
tert-Butylbenzene	ug/kg	50	34.3	69	46-124	
Tetrachloroethene	ug/kg	50	43.5	87	72-126	
Toluene	ug/kg	50	41.1	82	71-121	
trans-1,2-Dichloroethene	ug/kg	50	41.8	84	69-123	
trans-1,3-Dichloropropene	ug/kg	50	39.6	79	66-114	
trans-1,4-Dichloro-2-butene	ug/kg	200	152	76	61-124	
Trichloroethene	ug/kg	50	42.9	86	74-123	
Trichlorofluoromethane	ug/kg	50	42.2	84	72-146	
Vinyl acetate	ug/kg	200	188	94	57-131	
Vinyl chloride	ug/kg	50	50.8	102	55-128	
Xylene (Total)	ug/kg	150	131	87	66-124	
4-Bromofluorobenzene (S)	%			102	56-144	
Dibromofluoromethane (S)	%			99	85-118	
Toluene-d8 (S)	%			97	71-128	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1122046 1122047

Parameter	Units	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual	
		5099718001 Result	Spike Conc.	Spike Conc.	MS Result							MSD Result
1,1,1,2-Tetrachloroethane	ug/kg	ND	45.2	41	39.3	36.0	87	88	10-129	9	20	
1,1,1-Trichloroethane	ug/kg	ND	45.2	41	38.4	34.9	85	85	26-143	9	20	
1,1,2,2-Tetrachloroethane	ug/kg	ND	45.2	41	36.0	32.2	80	78	10-156	11	20	
1,1,2-Trichloroethane	ug/kg	ND	45.2	41	36.5	33.5	81	81	13-156	9	20	
1,1-Dichloroethane	ug/kg	ND	45.2	41	38.9	34.9	86	85	36-150	11	20	
1,1-Dichloroethene	ug/kg	ND	45.2	41	40.7	36.6	90	89	31-146	10	20	
1,1-Dichloropropene	ug/kg	ND	45.2	41	38.1	34.9	84	85	26-145	9	20	
1,2,3-Trichlorobenzene	ug/kg	ND	45.2	41	38.6	33.7	85	82	10-119	13	20	
1,2,3-Trichloropropane	ug/kg	ND	45.2	41	38.6	32.3	85	79	10-168	18	20	
1,2,4-Trichlorobenzene	ug/kg	ND	45.2	41	38.8	34.3	86	83	10-122	12	20	
1,2,4-Trimethylbenzene	ug/kg	ND	45.2	41	37.4	33.4	83	81	10-139	11	20	
1,2-Dibromoethane (EDB)	ug/kg	ND	45.2	41	39.8	35.9	88	87	15-136	10	20	
1,2-Dichlorobenzene	ug/kg	ND	45.2	41	36.4	33.3	81	81	10-132	9	20	
1,2-Dichloroethane	ug/kg	ND	45.2	41	35.8	33.2	79	81	30-140	7	20	
1,2-Dichloropropane	ug/kg	ND	45.2	41	40.9	37.0	90	90	29-135	10	20	
1,3,5-Trimethylbenzene	ug/kg	ND	45.2	41	36.8	32.7	81	80	10-143	12	20	
1,3-Dichlorobenzene	ug/kg	ND	45.2	41	36.0	32.6	80	79	10-130	10	20	
1,3-Dichloropropane	ug/kg	ND	45.2	41	35.1	32.8	78	80	17-139	7	20	
1,4-Dichlorobenzene	ug/kg	ND	45.2	41	36.4	33.1	81	80	10-128	10	20	
2,2-Dichloropropane	ug/kg	ND	45.2	41	42.0	38.7	93	94	29-136	8	20	
2-Butanone (MEK)	ug/kg	ND	227	206	205	193	91	94	22-176	6	20	
2-Chlorotoluene	ug/kg	ND	45.2	41	35.3	32.2	78	78	10-146	9	20	

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QUALITY CONTROL DATA

Project: Sibley-Accucast/2339-356-03-00

Pace Project No.: 5099688

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1122046 1122047												
Parameter	Units	MS		MSD		MS	MSD	MS	MSD	% Rec	Max	Qual
		5099718001	Spike	Spike	MS							
		Result	Conc.	Conc.	Result	Result	Result	Result	Result	Limits	RPD	RPD
2-Hexanone	ug/kg	ND	227	206	197	183	87	89	12-165	8	20	
4-Chlorotoluene	ug/kg	ND	45.2	41	36.9	33.7	82	82	10-138	9	20	
4-Methyl-2-pentanone (MIBK)	ug/kg	ND	227	206	186	180	82	87	22-155	3	20	
Acetone	ug/kg	ND	227	206	238	205	105	100	11-200	15	20	
Acrolein	ug/kg	ND	905	822	1250	1180	138	144	10-200	6	20	
Acrylonitrile	ug/kg	ND	905	822	808	761	89	93	20-150	6	20	
Benzene	ug/kg	ND	45.2	41	42.1	37.8	93	92	27-140	11	20	
Bromobenzene	ug/kg	ND	45.2	41	36.2	32.9	80	80	10-133	10	20	
Bromochloromethane	ug/kg	ND	45.2	41	40.5	37.3	89	91	28-142	8	20	
Bromodichloromethane	ug/kg	ND	45.2	41	37.9	35.4	84	86	13-139	7	20	
Bromoform	ug/kg	ND	45.2	41	34.8	32.1	77	78	10-122	8	20	
Bromomethane	ug/kg	ND	45.2	41	37.2	35.2	82	86	10-154	6	20	
Carbon disulfide	ug/kg	ND	90.5	82.2	84.9	77.3	94	94	20-142	9	20	
Carbon tetrachloride	ug/kg	ND	45.2	41	36.6	33.0	81	80	19-135	10	20	
Chlorobenzene	ug/kg	ND	45.2	41	36.9	34.3	82	84	10-136	7	20	
Chloroethane	ug/kg	ND	45.2	41	49.0	44.6	108	109	24-161	10	20	
Chloroform	ug/kg	ND	45.2	41	37.0	33.7	82	82	36-138	9	20	
Chloromethane	ug/kg	ND	45.2	41	45.6	42.2	101	103	28-143	8	20	
cis-1,2-Dichloroethene	ug/kg	ND	45.2	41	37.9	35.1	84	85	29-136	8	20	
cis-1,3-Dichloropropene	ug/kg	ND	45.2	41	34.1	31.7	75	77	10-130	7	20	
Dibromochloromethane	ug/kg	ND	45.2	41	33.0	31.0	73	76	10-124	6	20	
Dibromomethane	ug/kg	ND	45.2	41	36.8	33.9	81	82	24-136	8	20	
Dichlorodifluoromethane	ug/kg	ND	45.2	41	32.6	30.1	72	73	15-187	8	20	
Ethyl methacrylate	ug/kg	ND	181	164	137	129	76	79	10-147	6	20	
Ethylbenzene	ug/kg	ND	45.2	41	38.0	34.3	84	84	10-144	10	20	
Hexachloro-1,3-butadiene	ug/kg	ND	45.2	41	41.4	36.7	92	89	10-136	12	20	
Iodomethane	ug/kg	ND	90.5	82.2	78.3J	77.9J	87	95	10-155		20	
Isopropylbenzene (Cumene)	ug/kg	ND	45.2	41	40.5	36.1	89	88	10-134	11	20	
Methyl-tert-butyl ether	ug/kg	ND	90.5	82.2	76.3	71.7	84	87	30-147	6	20	
Methylene Chloride	ug/kg	ND	45.2	41	30.8	27.8	68	68	23-150	10	20	
n-Butylbenzene	ug/kg	ND	45.2	41	36.2	31.9	80	78	10-141	13	20	
n-Hexane	ug/kg	ND	45.2	41	38.7	34.3	86	84	10-140	12	20	N2
n-Propylbenzene	ug/kg	ND	45.2	41	36.7	33.0	81	80	10-143	10	20	
Naphthalene	ug/kg	ND	45.2	41	38.2	34.2	84	83	10-130	11	20	
p-Isopropyltoluene	ug/kg	ND	45.2	41	36.7	32.8	81	80	10-146	11	20	
sec-Butylbenzene	ug/kg	ND	45.2	41	37.2	32.8	82	80	10-150	13	20	
Styrene	ug/kg	ND	45.2	41	39.2	35.7	87	87	10-138	9	20	
tert-Butylbenzene	ug/kg	ND	45.2	41	30.8	27.6	68	67	10-135	11	20	
Tetrachloroethene	ug/kg	ND	45.2	41	38.4	34.9	85	85	10-153	10	20	
Toluene	ug/kg	ND	45.2	41	35.9	33.1	79	81	10-140	8	20	
trans-1,2-Dichloroethene	ug/kg	ND	45.2	41	37.9	35.1	84	85	28-139	8	20	
trans-1,3-Dichloropropene	ug/kg	ND	45.2	41	34.6	33.0	77	80	10-126	5	20	
trans-1,4-Dichloro-2-butene	ug/kg	ND	181	164	139	130	77	79	10-132	7	20	
Trichloroethene	ug/kg	ND	45.2	41	39.9	35.1	88	85	17-148	13	20	
Trichlorofluoromethane	ug/kg	ND	45.2	41	40.0	36.1	89	88	31-177	10	20	
Vinyl acetate	ug/kg	ND	181	164	157	147	87	90	10-131	6	20	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Sibley-Accucast/2339-356-03-00

Pace Project No.: 5099688

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1122046												1122047	
Parameter	Units	5099718001 Result	MS	MSD	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual	
			Spike Conc.	Spike Conc.									
Vinyl chloride	ug/kg	ND	45.2	41	47.6	44.1	105	107	30-145	7	20		
Xylene (Total)	ug/kg	ND	135	123	116	107	86	86	10-143	9	20		
4-Bromofluorobenzene (S)	%						101	100	56-144				
Dibromofluoromethane (S)	%						97	97	85-118				
Toluene-d8 (S)	%						93	94	71-128				

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1122048												1122049	
Parameter	Units	5099688001 Result	MS	MSD	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual	
			Spike Conc.	Spike Conc.									
1,1,1,2-Tetrachloroethane	ug/kg	ND	46.7	51.5	40.6	46.3	87	90	10-129	13	20		
1,1,1-Trichloroethane	ug/kg	ND	46.7	51.5	39.8	43.8	85	85	26-143	10	20		
1,1,2,2-Tetrachloroethane	ug/kg	ND	46.7	51.5	37.1	40.2	79	78	10-156	8	20		
1,1,2-Trichloroethane	ug/kg	ND	46.7	51.5	38.7	42.5	83	82	13-156	9	20		
1,1-Dichloroethane	ug/kg	ND	46.7	51.5	39.3	44.1	84	86	36-150	12	20		
1,1-Dichloroethene	ug/kg	ND	46.7	51.5	41.4	45.7	89	89	31-146	10	20		
1,1-Dichloropropene	ug/kg	ND	46.7	51.5	39.0	43.0	84	84	26-145	10	20		
1,2,3-Trichlorobenzene	ug/kg	ND	46.7	51.5	40.0	40.6	85	79	10-119	2	20		
1,2,3-Trichloropropane	ug/kg	ND	46.7	51.5	36.4	38.7	78	75	10-168	6	20		
1,2,4-Trichlorobenzene	ug/kg	ND	46.7	51.5	40.0	39.6	86	77	10-122	1	20		
1,2,4-Trimethylbenzene	ug/kg	ND	46.7	51.5	39.0	40.8	83	79	10-139	5	20		
1,2-Dibromoethane (EDB)	ug/kg	ND	46.7	51.5	41.7	45.3	89	88	15-136	8	20		
1,2-Dichlorobenzene	ug/kg	ND	46.7	51.5	38.9	40.6	83	79	10-132	4	20		
1,2-Dichloroethane	ug/kg	ND	46.7	51.5	38.1	41.1	81	80	30-140	8	20		
1,2-Dichloropropane	ug/kg	ND	46.7	51.5	41.6	46.1	89	89	29-135	10	20		
1,3,5-Trimethylbenzene	ug/kg	ND	46.7	51.5	37.8	40.3	81	78	10-143	6	20		
1,3-Dichlorobenzene	ug/kg	ND	46.7	51.5	37.7	39.7	81	77	10-130	5	20		
1,3-Dichloropropane	ug/kg	ND	46.7	51.5	38.0	40.8	81	79	17-139	7	20		
1,4-Dichlorobenzene	ug/kg	ND	46.7	51.5	38.5	39.6	82	77	10-128	3	20		
2,2-Dichloropropane	ug/kg	ND	46.7	51.5	42.0	46.7	90	91	29-136	11	20		
2-Butanone (MEK)	ug/kg	ND	234	257	253	265	108	103	22-176	5	20		
2-Chlorotoluene	ug/kg	ND	46.7	51.5	37.6	39.8	80	77	10-146	6	20		
2-Hexanone	ug/kg	ND	234	257	232	240	99	93	12-165	3	20		
4-Chlorotoluene	ug/kg	ND	46.7	51.5	39.1	41.3	84	80	10-138	6	20		
4-Methyl-2-pentanone (MIBK)	ug/kg	ND	234	257	202	216	87	84	22-155	7	20		
Acetone	ug/kg	ND	234	257	420	385	180	149	11-200	9	20		
Acrolein	ug/kg	ND	935	1030	1280	1410	137	137	10-200	9	20		
Acrylonitrile	ug/kg	ND	935	1030	825	905	88	88	20-150	9	20		
Benzene	ug/kg	ND	46.7	51.5	43.1	47.1	92	91	27-140	9	20		
Bromobenzene	ug/kg	ND	46.7	51.5	37.3	41.5	80	81	10-133	11	20		
Bromochloromethane	ug/kg	ND	46.7	51.5	41.8	48.5	90	94	28-142	15	20		
Bromodichloromethane	ug/kg	ND	46.7	51.5	39.4	43.5	84	84	13-139	10	20		
Bromoform	ug/kg	ND	46.7	51.5	37.8	40.7	81	79	10-122	7	20		
Bromomethane	ug/kg	ND	46.7	51.5	36.9	45.0	79	87	10-154	20	20		

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Sibley-Accucast/2339-356-03-00

Pace Project No.: 5099688

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1122048 1122049												
Parameter	Units	MS		MSD		MS		MSD		% Rec Limits	Max RPD	Qual
		5099688001 Result	Spike Conc.	Spike Conc.	MS Result	MSD Result	% Rec	% Rec				
Carbon disulfide	ug/kg	ND	93.5	103	85.4	95.9	91	93	20-142	12	20	
Carbon tetrachloride	ug/kg	ND	46.7	51.5	38.1	41.8	81	81	19-135	9	20	
Chlorobenzene	ug/kg	ND	46.7	51.5	38.5	41.7	82	81	10-136	8	20	
Chloroethane	ug/kg	ND	46.7	51.5	50.6	56.4	108	109	24-161	11	20	
Chloroform	ug/kg	ND	46.7	51.5	38.3	42.6	82	83	36-138	11	20	
Chloromethane	ug/kg	ND	46.7	51.5	46.5	51.7	100	100	28-143	11	20	
cis-1,2-Dichloroethene	ug/kg	ND	46.7	51.5	38.8	42.9	83	83	29-136	10	20	
cis-1,3-Dichloropropene	ug/kg	ND	46.7	51.5	35.4	39.3	76	76	10-130	10	20	
Dibromochloromethane	ug/kg	ND	46.7	51.5	35.3	39.1	76	76	10-124	10	20	
Dibromomethane	ug/kg	ND	46.7	51.5	38.5	42.9	82	83	24-136	11	20	
Dichlorodifluoromethane	ug/kg	ND	46.7	51.5	33.2	36.8	71	72	15-187	10	20	
Ethyl methacrylate	ug/kg	ND	187	206	138	157	74	76	10-147	13	20	
Ethylbenzene	ug/kg	ND	46.7	51.5	39.2	42.1	84	82	10-144	7	20	
Hexachloro-1,3-butadiene	ug/kg	ND	46.7	51.5	41.0	40.9	88	79	10-136	0	20	
Iodomethane	ug/kg	ND	93.5	103	78.6J	103	84	100	10-155		20	
Isopropylbenzene (Cumene)	ug/kg	ND	46.7	51.5	40.5	44.3	87	86	10-134	9	20	
Methyl-tert-butyl ether	ug/kg	ND	93.5	103	81.9	88.0	88	85	30-147	7	20	
Methylene Chloride	ug/kg	ND	46.7	51.5	30.9	35.0	66	68	23-150	12	20	
n-Butylbenzene	ug/kg	ND	46.7	51.5	37.1	38.1	79	74	10-141	3	20	
n-Hexane	ug/kg	ND	46.7	51.5	38.0	41.7	81	81	10-140	9	20	N2
n-Propylbenzene	ug/kg	ND	46.7	51.5	38.5	40.6	82	79	10-143	5	20	
Naphthalene	ug/kg	ND	46.7	51.5	39.7	40.8	85	79	10-130	3	20	
p-Isopropyltoluene	ug/kg	ND	46.7	51.5	37.9	39.1	81	76	10-146	3	20	
sec-Butylbenzene	ug/kg	ND	46.7	51.5	38.3	40.5	82	79	10-150	6	20	
Styrene	ug/kg	ND	46.7	51.5	40.4	43.3	86	84	10-138	7	20	
tert-Butylbenzene	ug/kg	ND	46.7	51.5	32.2	34.2	69	66	10-135	6	20	
Tetrachloroethene	ug/kg	ND	46.7	51.5	39.2	42.7	84	83	10-153	8	20	
Toluene	ug/kg	ND	46.7	51.5	37.3	40.5	80	79	10-140	8	20	
trans-1,2-Dichloroethene	ug/kg	ND	46.7	51.5	39.6	43.3	85	84	28-139	9	20	
trans-1,3-Dichloropropene	ug/kg	ND	46.7	51.5	37.2	40.2	80	78	10-126	8	20	
trans-1,4-Dichloro-2-butene	ug/kg	ND	187	206	143	151	77	73	10-132	5	20	
Trichloroethene	ug/kg	ND	46.7	51.5	41.2	43.9	88	85	17-148	6	20	
Trichlorofluoromethane	ug/kg	ND	46.7	51.5	41.2	45.7	88	89	31-177	10	20	
Vinyl acetate	ug/kg	ND	187	206	92.3J	148	49	72	10-131		20	
Vinyl chloride	ug/kg	ND	46.7	51.5	48.4	54.7	103	106	30-145	12	20	
Xylene (Total)	ug/kg	ND	141	154	119	128	85	83	10-143	7	20	
4-Bromofluorobenzene (S)	%						99	100	56-144			
Dibromofluoromethane (S)	%						96	98	85-118			
Toluene-d8 (S)	%						94	94	71-128			

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Sibley-Accucast/2339-356-03-00

Pace Project No.: 5099688

QC Batch: MSV/66414 Analysis Method: EPA 8260
 QC Batch Method: EPA 8260 Analysis Description: 8260 MSV 5035A Volatile Organics
 Associated Lab Samples: 5099688005, 5099688006, 5099688007, 5099688008, 5099688009, 5099688010

METHOD BLANK: 1122064 Matrix: Solid
 Associated Lab Samples: 5099688005, 5099688006, 5099688007, 5099688008, 5099688009, 5099688010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	ND	5.0	07/02/14 23:03	
1,1,1-Trichloroethane	ug/kg	ND	5.0	07/02/14 23:03	
1,1,2,2-Tetrachloroethane	ug/kg	ND	5.0	07/02/14 23:03	
1,1,2-Trichloroethane	ug/kg	ND	5.0	07/02/14 23:03	
1,1-Dichloroethane	ug/kg	ND	5.0	07/02/14 23:03	
1,1-Dichloroethene	ug/kg	ND	5.0	07/02/14 23:03	
1,1-Dichloropropene	ug/kg	ND	5.0	07/02/14 23:03	
1,2,3-Trichlorobenzene	ug/kg	ND	5.0	07/02/14 23:03	
1,2,3-Trichloropropane	ug/kg	ND	5.0	07/02/14 23:03	
1,2,4-Trichlorobenzene	ug/kg	ND	5.0	07/02/14 23:03	
1,2,4-Trimethylbenzene	ug/kg	ND	5.0	07/02/14 23:03	
1,2-Dibromoethane (EDB)	ug/kg	ND	5.0	07/02/14 23:03	
1,2-Dichlorobenzene	ug/kg	ND	5.0	07/02/14 23:03	
1,2-Dichloroethane	ug/kg	ND	5.0	07/02/14 23:03	
1,2-Dichloropropane	ug/kg	ND	5.0	07/02/14 23:03	
1,3,5-Trimethylbenzene	ug/kg	ND	5.0	07/02/14 23:03	
1,3-Dichlorobenzene	ug/kg	ND	5.0	07/02/14 23:03	
1,3-Dichloropropane	ug/kg	ND	5.0	07/02/14 23:03	
1,4-Dichlorobenzene	ug/kg	ND	5.0	07/02/14 23:03	
2,2-Dichloropropane	ug/kg	ND	5.0	07/02/14 23:03	
2-Butanone (MEK)	ug/kg	ND	25.0	07/02/14 23:03	
2-Chlorotoluene	ug/kg	ND	5.0	07/02/14 23:03	
2-Hexanone	ug/kg	ND	100	07/02/14 23:03	
4-Chlorotoluene	ug/kg	ND	5.0	07/02/14 23:03	
4-Methyl-2-pentanone (MIBK)	ug/kg	ND	25.0	07/02/14 23:03	
Acetone	ug/kg	ND	100	07/02/14 23:03	
Acrolein	ug/kg	ND	100	07/02/14 23:03	
Acrylonitrile	ug/kg	ND	100	07/02/14 23:03	
Benzene	ug/kg	ND	5.0	07/02/14 23:03	
Bromobenzene	ug/kg	ND	5.0	07/02/14 23:03	
Bromochloromethane	ug/kg	ND	5.0	07/02/14 23:03	
Bromodichloromethane	ug/kg	ND	5.0	07/02/14 23:03	
Bromoform	ug/kg	ND	5.0	07/02/14 23:03	
Bromomethane	ug/kg	ND	5.0	07/02/14 23:03	
Carbon disulfide	ug/kg	ND	10.0	07/02/14 23:03	
Carbon tetrachloride	ug/kg	ND	5.0	07/02/14 23:03	
Chlorobenzene	ug/kg	ND	5.0	07/02/14 23:03	
Chloroethane	ug/kg	ND	5.0	07/02/14 23:03	
Chloroform	ug/kg	ND	5.0	07/02/14 23:03	
Chloromethane	ug/kg	ND	5.0	07/02/14 23:03	
cis-1,2-Dichloroethene	ug/kg	ND	5.0	07/02/14 23:03	

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QUALITY CONTROL DATA

Project: Sibley-Accucast/2339-356-03-00

Pace Project No.: 5099688

METHOD BLANK: 1122064

Matrix: Solid

Associated Lab Samples: 5099688005, 5099688006, 5099688007, 5099688008, 5099688009, 5099688010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
cis-1,3-Dichloropropene	ug/kg	ND	5.0	07/02/14 23:03	
Dibromochloromethane	ug/kg	ND	5.0	07/02/14 23:03	
Dibromomethane	ug/kg	ND	5.0	07/02/14 23:03	
Dichlorodifluoromethane	ug/kg	ND	5.0	07/02/14 23:03	
Ethyl methacrylate	ug/kg	ND	100	07/02/14 23:03	
Ethylbenzene	ug/kg	ND	5.0	07/02/14 23:03	
Hexachloro-1,3-butadiene	ug/kg	ND	5.0	07/02/14 23:03	
Iodomethane	ug/kg	ND	100	07/02/14 23:03	
Isopropylbenzene (Cumene)	ug/kg	ND	5.0	07/02/14 23:03	
Methyl-tert-butyl ether	ug/kg	ND	5.0	07/02/14 23:03	
Methylene Chloride	ug/kg	ND	20.0	07/02/14 23:03	
n-Butylbenzene	ug/kg	ND	5.0	07/02/14 23:03	
n-Hexane	ug/kg	ND	5.0	07/02/14 23:03	N2
n-Propylbenzene	ug/kg	ND	5.0	07/02/14 23:03	
Naphthalene	ug/kg	ND	5.0	07/02/14 23:03	
p-Isopropyltoluene	ug/kg	ND	5.0	07/02/14 23:03	
sec-Butylbenzene	ug/kg	ND	5.0	07/02/14 23:03	
Styrene	ug/kg	ND	5.0	07/02/14 23:03	
tert-Butylbenzene	ug/kg	ND	5.0	07/02/14 23:03	
Tetrachloroethene	ug/kg	ND	5.0	07/02/14 23:03	
Toluene	ug/kg	ND	5.0	07/02/14 23:03	
trans-1,2-Dichloroethene	ug/kg	ND	5.0	07/02/14 23:03	
trans-1,3-Dichloropropene	ug/kg	ND	5.0	07/02/14 23:03	
trans-1,4-Dichloro-2-butene	ug/kg	ND	100	07/02/14 23:03	
Trichloroethene	ug/kg	ND	5.0	07/02/14 23:03	
Trichlorofluoromethane	ug/kg	ND	5.0	07/02/14 23:03	
Vinyl acetate	ug/kg	ND	100	07/02/14 23:03	
Vinyl chloride	ug/kg	ND	5.0	07/02/14 23:03	
Xylene (Total)	ug/kg	ND	10.0	07/02/14 23:03	
4-Bromofluorobenzene (S)	%	99	56-144	07/02/14 23:03	
Dibromofluoromethane (S)	%	94	85-118	07/02/14 23:03	
Toluene-d8 (S)	%	94	71-128	07/02/14 23:03	

LABORATORY CONTROL SAMPLE: 1122065

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	50	45.6	91	62-123	
1,1,1-Trichloroethane	ug/kg	50	44.4	89	70-123	
1,1,2,2-Tetrachloroethane	ug/kg	50	40.3	81	65-124	
1,1,2-Trichloroethane	ug/kg	50	41.2	82	74-129	
1,1-Dichloroethane	ug/kg	50	44.4	89	73-130	
1,1-Dichloroethene	ug/kg	50	45.8	92	66-126	
1,1-Dichloropropene	ug/kg	50	42.0	84	78-125	
1,2,3-Trichlorobenzene	ug/kg	50	39.9	80	66-131	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Sibley-Accucast/2339-356-03-00

Pace Project No.: 5099688

LABORATORY CONTROL SAMPLE: 1122065

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,3-Trichloropropane	ug/kg	50	39.2	78	44-157	
1,2,4-Trichlorobenzene	ug/kg	50	37.4	75	68-129	
1,2,4-Trimethylbenzene	ug/kg	50	40.2	80	67-126	
1,2-Dibromoethane (EDB)	ug/kg	50	45.3	91	74-120	
1,2-Dichlorobenzene	ug/kg	50	39.9	80	73-122	
1,2-Dichloroethane	ug/kg	50	41.5	83	73-127	
1,2-Dichloropropane	ug/kg	50	46.0	92	75-118	
1,3,5-Trimethylbenzene	ug/kg	50	39.9	80	65-127	
1,3-Dichlorobenzene	ug/kg	50	38.2	76	73-121	
1,3-Dichloropropane	ug/kg	50	40.4	81	72-121	
1,4-Dichlorobenzene	ug/kg	50	38.5	77	75-119	
2,2-Dichloropropane	ug/kg	50	45.8	92	63-122	
2-Butanone (MEK)	ug/kg	250	215	86	59-139	
2-Chlorotoluene	ug/kg	50	39.6	79	72-121	
2-Hexanone	ug/kg	250	215	86	56-139	
4-Chlorotoluene	ug/kg	50	39.8	80	75-123	
4-Methyl-2-pentanone (MIBK)	ug/kg	250	212	85	63-136	
Acetone	ug/kg	250	222	89	46-156	
Acrolein	ug/kg	1000	1420	142	47-200	
Acrylonitrile	ug/kg	1000	904	90	67-130	
Benzene	ug/kg	50	46.9	94	74-119	
Bromobenzene	ug/kg	50	39.5	79	69-129	
Bromochloromethane	ug/kg	50	45.7	91	67-129	
Bromodichloromethane	ug/kg	50	44.8	90	68-121	
Bromoform	ug/kg	50	39.9	80	49-124	
Bromomethane	ug/kg	50	44.9	90	44-142	
Carbon disulfide	ug/kg	100	95.0	95	61-129	
Carbon tetrachloride	ug/kg	50	42.4	85	58-127	
Chlorobenzene	ug/kg	50	40.7	81	77-122	
Chloroethane	ug/kg	50	57.1	114	59-141	
Chloroform	ug/kg	50	42.8	86	75-124	
Chloromethane	ug/kg	50	52.2	104	46-133	
cis-1,2-Dichloroethene	ug/kg	50	43.0	86	72-122	
cis-1,3-Dichloropropene	ug/kg	50	38.7	77	68-115	
Dibromochloromethane	ug/kg	50	38.3	77	60-121	
Dibromomethane	ug/kg	50	41.1	82	72-124	
Dichlorodifluoromethane	ug/kg	50	36.3	73	26-186	
Ethyl methacrylate	ug/kg	200	155	77	63-130	
Ethylbenzene	ug/kg	50	42.1	84	72-123	
Hexachloro-1,3-butadiene	ug/kg	50	41.8	84	55-139	
Iodomethane	ug/kg	100	90.2J	90	38-149	
Isopropylbenzene (Cumene)	ug/kg	50	43.8	88	65-123	
Methyl-tert-butyl ether	ug/kg	100	87.5	88	68-120	
Methylene Chloride	ug/kg	50	36.7	73	57-142	
n-Butylbenzene	ug/kg	50	36.8	74	68-125	
n-Hexane	ug/kg	50	37.7	75	57-117 N2	
n-Propylbenzene	ug/kg	50	39.9	80	68-122	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Sibley-Accucast/2339-356-03-00

Pace Project No.: 5099688

LABORATORY CONTROL SAMPLE: 1122065

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Naphthalene	ug/kg	50	40.0	80	67-131	
p-Isopropyltoluene	ug/kg	50	38.6	77	66-133	
sec-Butylbenzene	ug/kg	50	40.6	81	64-131	
Styrene	ug/kg	50	42.7	85	70-126	
tert-Butylbenzene	ug/kg	50	34.2	68	46-124	
Tetrachloroethene	ug/kg	50	40.4	81	72-126	
Toluene	ug/kg	50	40.7	81	71-121	
trans-1,2-Dichloroethene	ug/kg	50	42.6	85	69-123	
trans-1,3-Dichloropropene	ug/kg	50	39.9	80	66-114	
trans-1,4-Dichloro-2-butene	ug/kg	200	152	76	61-124	
Trichloroethene	ug/kg	50	43.1	86	74-123	
Trichlorofluoromethane	ug/kg	50	46.2	92	72-146	
Vinyl acetate	ug/kg	200	188	94	57-131	
Vinyl chloride	ug/kg	50	54.5	109	55-128	
Xylene (Total)	ug/kg	150	126	84	66-124	
4-Bromofluorobenzene (S)	%			100	56-144	
Dibromofluoromethane (S)	%			97	85-118	
Toluene-d8 (S)	%			94	71-128	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1122066 1122067

Parameter	Units	5099688008		MSD		MS		MSD		% Rec Limits	RPD	Max RPD	Qual
		Result	Spike Conc.	Spike Conc.	Result	Result	% Rec	% Rec					
1,1,1,2-Tetrachloroethane	ug/kg	ND	75	74.8	54.1	56.8	72	76	10-129	5	20		
1,1,1-Trichloroethane	ug/kg	ND	75	74.8	71.0	71.9	95	96	26-143	1	20		
1,1,2,2-Tetrachloroethane	ug/kg	ND	75	74.8	39.2	47.9	52	64	10-156	20	20		
1,1,2-Trichloroethane	ug/kg	ND	75	74.8	44.7	53.3	60	71	13-156	18	20		
1,1-Dichloroethane	ug/kg	ND	75	74.8	62.5	65.8	83	88	36-150	5	20		
1,1-Dichloroethene	ug/kg	ND	75	74.8	66.7	73.5	89	98	31-146	10	20		
1,1-Dichloropropene	ug/kg	ND	75	74.8	55.0	64.2	73	86	26-145	15	20		
1,2,3-Trichlorobenzene	ug/kg	ND	75	74.8	9.0	15.5	12	21	10-119	53	20		
1,2,3-Trichloropropane	ug/kg	ND	75	74.8	40.8	50.4	54	67	10-168	21	20		
1,2,4-Trichlorobenzene	ug/kg	ND	75	74.8	8.5	16.0	11	21	10-122	61	20		
1,2,4-Trimethylbenzene	ug/kg	ND	75	74.8	33.2	44.3	44	59	10-139	28	20		
1,2-Dibromoethane (EDB)	ug/kg	ND	75	74.8	34.7	49.7	46	66	15-136	36	20		
1,2-Dichlorobenzene	ug/kg	ND	75	74.8	17.4	29.2	23	39	10-132	51	20		
1,2-Dichloroethane	ug/kg	ND	75	74.8	47.2	55.3	63	74	30-140	16	20		
1,2-Dichloropropane	ug/kg	ND	75	74.8	58.1	61.3	77	82	29-135	5	20		
1,3,5-Trimethylbenzene	ug/kg	ND	75	74.8	40.0	49.2	53	66	10-143	21	20		
1,3-Dichlorobenzene	ug/kg	ND	75	74.8	16.9	29.0	23	39	10-130	53	20		
1,3-Dichloropropane	ug/kg	ND	75	74.8	39.5	49.9	53	67	17-139	23	20		
1,4-Dichlorobenzene	ug/kg	ND	75	74.8	14.1	26.8	19	36	10-128	62	20		
2,2-Dichloropropane	ug/kg	ND	75	74.8	68.7	76.4	92	102	29-136	11	20		
2-Butanone (MEK)	ug/kg	ND	375	374	329	321	88	86	22-176	3	20		
2-Chlorotoluene	ug/kg	ND	75	74.8	30.4	43.6	40	58	10-146	36	20		

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QUALITY CONTROL DATA

Project: Sibley-Accucast/2339-356-03-00

Pace Project No.: 5099688

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1122066 1122067												
Parameter	Units	MS		MSD		MS		MSD		% Rec Limits	Max RPD	Qual
		5099688008 Result	Spike Conc.	Spike Conc.	Result	Result	% Rec	% Rec				
2-Hexanone	ug/kg	ND	375	374	219	276	58	74	12-165	23	20	
4-Chlorotoluene	ug/kg	ND	75	74.8	22.7	37.2	30	50	10-138	48	20	
4-Methyl-2-pentanone (MIBK)	ug/kg	ND	375	374	272	295	72	79	22-155	8	20	
Acetone	ug/kg	ND	375	374	558	403	149	108	11-200	32	20	
Acrolein	ug/kg	ND	1500	1490	1630	1820	108	122	10-200	11	20	
Acrylonitrile	ug/kg	ND	1500	1490	1070	1170	71	78	20-150	8	20	
Benzene	ug/kg	ND	75	74.8	57.3	65.4	76	87	27-140	13	20	
Bromobenzene	ug/kg	ND	75	74.8	20.6	34.7	27	46	10-133	51	20	
Bromochloromethane	ug/kg	ND	75	74.8	52.2	59.8	70	80	28-142	14	20	
Bromodichloromethane	ug/kg	ND	75	74.8	51.3	56.9	68	76	13-139	10	20	
Bromoform	ug/kg	ND	75	74.8	36.9	45.5	49	61	10-122	21	20	
Bromomethane	ug/kg	ND	75	74.8	53.0	71.2	71	95	10-154	29	20	
Carbon disulfide	ug/kg	ND	150	149	104	138	69	92	20-142	28	20	
Carbon tetrachloride	ug/kg	ND	75	74.8	65.7	66.6	87	89	19-135	1	20	
Chlorobenzene	ug/kg	ND	75	74.8	29.1	43.3	39	58	10-136	39	20	
Chloroethane	ug/kg	ND	75	74.8	84.9	90.3	113	121	24-161	6	20	
Chloroform	ug/kg	ND	75	74.8	58.4	60.9	78	81	36-138	4	20	
Chloromethane	ug/kg	ND	75	74.8	78.7	93.1	105	124	28-143	17	20	
cis-1,2-Dichloroethene	ug/kg	ND	75	74.8	44.1	54.0	59	72	29-136	20	20	
cis-1,3-Dichloropropene	ug/kg	ND	75	74.8	31.9	45.0	43	60	10-130	34	20	
Dibromochloromethane	ug/kg	ND	75	74.8	37.6	45.3	50	61	10-124	19	20	
Dibromomethane	ug/kg	ND	75	74.8	41.4	47.8	55	64	24-136	14	20	
Dichlorodifluoromethane	ug/kg	ND	75	74.8	62.9	103	84	137	15-187	48	20	2d
Ethyl methacrylate	ug/kg	ND	301	300	91.6J	175	30	58	10-147		20	
Ethylbenzene	ug/kg	ND	75	74.8	44.3	54.4	59	73	10-144	20	20	
Hexachloro-1,3-butadiene	ug/kg	ND	75	74.8	35.4	41.1	47	55	10-136	15	20	
Iodomethane	ug/kg	ND	150	149	92.4J	165	62	110	10-155		20	
Isopropylbenzene (Cumene)	ug/kg	ND	75	74.8	50.7	58.3	68	78	10-134	14	20	
Methyl-tert-butyl ether	ug/kg	ND	150	149	129	122	86	82	30-147	5	20	
Methylene Chloride	ug/kg	ND	75	74.8	39.7	46.5	53	62	23-150	16	20	
n-Butylbenzene	ug/kg	ND	75	74.8	30.5	42.4	41	57	10-141	33	20	
n-Hexane	ug/kg	ND	75	74.8	54.5	67.1	73	90	10-140	21	20	N2
n-Propylbenzene	ug/kg	ND	75	74.8	39.2	51.4	52	69	10-143	27	20	
Naphthalene	ug/kg	ND	75	74.8	6.2J	15.7	8	21	10-130		20	M0
p-Isopropyltoluene	ug/kg	ND	75	74.8	40.0	48.8	53	65	10-146	20	20	
sec-Butylbenzene	ug/kg	ND	75	74.8	44.9	54.2	60	72	10-150	19	20	
Styrene	ug/kg	ND	75	74.8	22.0	37.8	29	50	10-138	53	20	
tert-Butylbenzene	ug/kg	ND	75	74.8	41.8	46.9	56	63	10-135	12	20	
Tetrachloroethene	ug/kg	ND	75	74.8	56.0	60.5	75	81	10-153	8	20	
Toluene	ug/kg	ND	75	74.8	43.1	54.5	57	73	10-140	23	20	
trans-1,2-Dichloroethene	ug/kg	ND	75	74.8	46.0	57.8	61	77	28-139	23	20	
trans-1,3-Dichloropropene	ug/kg	ND	75	74.8	27.6	41.7	37	56	10-126	41	20	
trans-1,4-Dichloro-2-butene	ug/kg	ND	301	300	79.8J	144J	27	48	10-132		20	
Trichloroethene	ug/kg	ND	75	74.8	50.9	59.0	68	79	17-148	15	20	
Trichlorofluoromethane	ug/kg	ND	75	74.8	78.4	83.0	104	111	31-177	6	20	
Vinyl acetate	ug/kg	ND	301	300	81.8J	115J	27	38	10-131		20	

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QUALITY CONTROL DATA

Project: Sibley-Accucast/2339-356-03-00

Pace Project No.: 5099688

		MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1122066			1122067							
Parameter	Units	5099688008 Result	MS	MSD	MS	MSD	MS	MSD	% Rec Limits	RPD	Max RPD	Qual
			Spike Conc.	Spike Conc.	Result	Result	% Rec	% Rec				
Vinyl chloride	ug/kg	ND	75	74.8	79.4	93.3	106	125	30-145	16	20	
Xylene (Total)	ug/kg	ND	225	225	123	156	55	69	10-143	24	20	
4-Bromofluorobenzene (S)	%						98	98	56-144			
Dibromofluoromethane (S)	%						99	96	85-118			
Toluene-d8 (S)	%						93	95	71-128			

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QUALITY CONTROL DATA

Project: Sibley-Accucast/2339-356-03-00
Pace Project No.: 5099688

QC Batch: OEXT/36237 Analysis Method: EPA 8082
QC Batch Method: EPA 3546 Analysis Description: 8082 GCS PCB
Associated Lab Samples: 5099688001, 5099688002, 5099688003

METHOD BLANK: 1117906 Matrix: Solid
Associated Lab Samples: 5099688001, 5099688002, 5099688003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
PCB-1016 (Aroclor 1016)	ug/kg	ND	100	06/26/14 22:36	
PCB-1221 (Aroclor 1221)	ug/kg	ND	100	06/26/14 22:36	
PCB-1232 (Aroclor 1232)	ug/kg	ND	100	06/26/14 22:36	
PCB-1242 (Aroclor 1242)	ug/kg	ND	100	06/26/14 22:36	
PCB-1248 (Aroclor 1248)	ug/kg	ND	100	06/26/14 22:36	
PCB-1254 (Aroclor 1254)	ug/kg	ND	100	06/26/14 22:36	
PCB-1260 (Aroclor 1260)	ug/kg	ND	100	06/26/14 22:36	
Tetrachloro-m-xylene (S)	%.	88	30-106	06/26/14 22:36	

LABORATORY CONTROL SAMPLE: 1117907

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
PCB-1016 (Aroclor 1016)	ug/kg	167	135	81	42-100	
PCB-1260 (Aroclor 1260)	ug/kg	167	152	91	40-106	
Tetrachloro-m-xylene (S)	%.			89	30-106	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1117908 1117909

Parameter	Units	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		Spike Conc.	Result	Spike Conc.	Result						
PCB-1016 (Aroclor 1016)	ug/kg	ND	174	174	69.7J	145	40	83	10-145	20	
PCB-1260 (Aroclor 1260)	ug/kg	ND	174	174	59.1J	149	34	85	16-132	20	
Tetrachloro-m-xylene (S)	%.						57	90	30-106		

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QUALITY CONTROL DATA

Project: Sibley-Accucast/2339-356-03-00
Pace Project No.: 5099688

QC Batch: OEXT/36245 Analysis Method: EPA 8082
QC Batch Method: EPA 3546 Analysis Description: 8082 GCS PCB
Associated Lab Samples: 5099688004, 5099688005, 5099688006, 5099688007, 5099688008

METHOD BLANK: 1117946 Matrix: Solid
Associated Lab Samples: 5099688004, 5099688005, 5099688006, 5099688007, 5099688008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
PCB-1016 (Aroclor 1016)	ug/kg	ND	100	06/27/14 03:20	
PCB-1221 (Aroclor 1221)	ug/kg	ND	100	06/27/14 03:20	
PCB-1232 (Aroclor 1232)	ug/kg	ND	100	06/27/14 03:20	
PCB-1242 (Aroclor 1242)	ug/kg	ND	100	06/27/14 03:20	
PCB-1248 (Aroclor 1248)	ug/kg	ND	100	06/27/14 03:20	
PCB-1254 (Aroclor 1254)	ug/kg	ND	100	06/27/14 03:20	
PCB-1260 (Aroclor 1260)	ug/kg	ND	100	06/27/14 03:20	
Tetrachloro-m-xylene (S)	%.	86	30-106	06/27/14 03:20	

LABORATORY CONTROL SAMPLE: 1117947

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
PCB-1016 (Aroclor 1016)	ug/kg	167	134	81	42-100	
PCB-1260 (Aroclor 1260)	ug/kg	167	141	85	40-106	
Tetrachloro-m-xylene (S)	%.			86	30-106	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1117948 1117949

Parameter	Units	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		Spike Conc.	Result	Spike Conc.	Result						
PCB-1016 (Aroclor 1016)	ug/kg	ND	190	190	131	134	69	70	10-145	2	20
PCB-1260 (Aroclor 1260)	ug/kg	ND	190	190	131	142	69	75	16-132	8	20
Tetrachloro-m-xylene (S)	%.						74	78	30-106		

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QUALITY CONTROL DATA

Project: Sibley-Accucast/2339-356-03-00
Pace Project No.: 5099688

QC Batch: OEXT/36253 Analysis Method: EPA 8082
QC Batch Method: EPA 3546 Analysis Description: 8082 GCS PCB
Associated Lab Samples: 5099688009, 5099688010, 5099688011, 5099688012

METHOD BLANK: 1118946 Matrix: Solid
Associated Lab Samples: 5099688009, 5099688010, 5099688011, 5099688012

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
PCB-1016 (Aroclor 1016)	ug/kg	ND	100	07/01/14 17:03	
PCB-1221 (Aroclor 1221)	ug/kg	ND	100	07/01/14 17:03	
PCB-1232 (Aroclor 1232)	ug/kg	ND	100	07/01/14 17:03	
PCB-1242 (Aroclor 1242)	ug/kg	ND	100	07/01/14 17:03	
PCB-1248 (Aroclor 1248)	ug/kg	ND	100	07/01/14 17:03	
PCB-1254 (Aroclor 1254)	ug/kg	ND	100	07/01/14 17:03	
PCB-1260 (Aroclor 1260)	ug/kg	ND	100	07/01/14 17:03	
Tetrachloro-m-xylene (S)	%.	92	30-106	07/01/14 17:03	

LABORATORY CONTROL SAMPLE: 1118947

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
PCB-1016 (Aroclor 1016)	ug/kg	167	130	78	42-100	
PCB-1260 (Aroclor 1260)	ug/kg	167	135	81	40-106	
Tetrachloro-m-xylene (S)	%.			87	30-106	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1118948 1118949

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		Spike Conc.	Result	Spike Conc.	Result								
PCB-1016 (Aroclor 1016)	ug/kg	ND	186	185	138	139	74	75	10-145	1	20		
PCB-1260 (Aroclor 1260)	ug/kg	ND	186	185	133	131	71	71	16-132	1	20		
Tetrachloro-m-xylene (S)	%.							83	82	30-106			

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Sibley-Accucast/2339-356-03-00

Pace Project No.: 5099688

QC Batch: OEXT/36198

Analysis Method: EPA 8082

QC Batch Method: EPA 3510

Analysis Description: 8082 GCS PCB Mod

Associated Lab Samples: 5099688013

METHOD BLANK: 1115924

Matrix: Water

Associated Lab Samples: 5099688013

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
PCB-1016 (Aroclor 1016)	ug/L	ND	0.50	06/24/14 19:07	
PCB-1221 (Aroclor 1221)	ug/L	ND	0.50	06/24/14 19:07	
PCB-1232 (Aroclor 1232)	ug/L	ND	0.50	06/24/14 19:07	
PCB-1242 (Aroclor 1242)	ug/L	ND	0.50	06/24/14 19:07	
PCB-1248 (Aroclor 1248)	ug/L	ND	0.50	06/24/14 19:07	
PCB-1254 (Aroclor 1254)	ug/L	ND	0.50	06/24/14 19:07	
PCB-1260 (Aroclor 1260)	ug/L	ND	0.50	06/24/14 19:07	
Tetrachloro-m-xylene (S)	%.	86	32-115	06/24/14 19:07	

LABORATORY CONTROL SAMPLE: 1115925

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
PCB-1016 (Aroclor 1016)	ug/L	5	4.3	85	50-114	
PCB-1260 (Aroclor 1260)	ug/L	5	4.2	85	44-120	
Tetrachloro-m-xylene (S)	%.			85	32-115	

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QUALITY CONTROL DATA

Project: Sibley-Accucast/2339-356-03-00

Pace Project No.: 5099688

QC Batch: OEXT/36222 Analysis Method: EPA 8270
 QC Batch Method: EPA 3546 Analysis Description: 8270 Solid MSSV Microwave Short Spike
 Associated Lab Samples: 5099688001, 5099688002, 5099688003, 5099688004, 5099688005, 5099688006, 5099688007, 5099688008,
 5099688009, 5099688010, 5099688011, 5099688012

METHOD BLANK: 1117087 Matrix: Solid
 Associated Lab Samples: 5099688001, 5099688002, 5099688003, 5099688004, 5099688005, 5099688006, 5099688007, 5099688008,
 5099688009, 5099688010, 5099688011, 5099688012

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
2,4,5-Trichlorophenol	ug/kg	ND	330	06/27/14 15:01	
2,4,6-Trichlorophenol	ug/kg	ND	330	06/27/14 15:01	
2,4-Dichlorophenol	ug/kg	ND	330	06/27/14 15:01	
2,4-Dimethylphenol	ug/kg	ND	330	06/27/14 15:01	
2,4-Dinitrophenol	ug/kg	ND	1600	06/27/14 15:01	
2,4-Dinitrotoluene	ug/kg	ND	330	06/27/14 15:01	
2,6-Dinitrotoluene	ug/kg	ND	330	06/27/14 15:01	
2-Chloronaphthalene	ug/kg	ND	330	06/27/14 15:01	
2-Chlorophenol	ug/kg	ND	330	06/27/14 15:01	
2-Methylnaphthalene	ug/kg	ND	330	06/27/14 15:01	
2-Methylphenol(o-Cresol)	ug/kg	ND	330	06/27/14 15:01	
2-Nitroaniline	ug/kg	ND	1600	06/27/14 15:01	
2-Nitrophenol	ug/kg	ND	330	06/27/14 15:01	
3&4-Methylphenol(m&p Cresol)	ug/kg	ND	660	06/27/14 15:01	
3,3'-Dichlorobenzidine	ug/kg	ND	660	06/27/14 15:01	
3-Nitroaniline	ug/kg	ND	1600	06/27/14 15:01	
4,6-Dinitro-2-methylphenol	ug/kg	ND	1600	06/27/14 15:01	
4-Bromophenylphenyl ether	ug/kg	ND	330	06/27/14 15:01	
4-Chloro-3-methylphenol	ug/kg	ND	660	06/27/14 15:01	
4-Chloroaniline	ug/kg	ND	660	06/27/14 15:01	
4-Chlorophenylphenyl ether	ug/kg	ND	330	06/27/14 15:01	
4-Nitroaniline	ug/kg	ND	1600	06/27/14 15:01	
4-Nitrophenol	ug/kg	ND	1600	06/27/14 15:01	
Acenaphthene	ug/kg	ND	330	06/27/14 15:01	
Acenaphthylene	ug/kg	ND	330	06/27/14 15:01	
Anthracene	ug/kg	ND	330	06/27/14 15:01	
Benzo(a)anthracene	ug/kg	ND	330	06/27/14 15:01	
Benzo(a)pyrene	ug/kg	ND	170	06/27/14 15:01	
Benzo(b)fluoranthene	ug/kg	ND	330	06/27/14 15:01	
Benzo(g,h,i)perylene	ug/kg	ND	330	06/27/14 15:01	
Benzo(k)fluoranthene	ug/kg	ND	330	06/27/14 15:01	
Benzyl alcohol	ug/kg	ND	660	06/27/14 15:01	
bis(2-Chloroethoxy)methane	ug/kg	ND	330	06/27/14 15:01	
bis(2-Chloroethyl) ether	ug/kg	ND	330	06/27/14 15:01	
bis(2-Ethylhexyl)phthalate	ug/kg	ND	330	06/27/14 15:01	
bis(2chloro1 methylethyl) ether	ug/kg	ND	330	06/27/14 15:01	
Butylbenzylphthalate	ug/kg	ND	330	06/27/14 15:01	
Chrysene	ug/kg	ND	330	06/27/14 15:01	
Di-n-butylphthalate	ug/kg	ND	330	06/27/14 15:01	
Di-n-octylphthalate	ug/kg	ND	330	06/27/14 15:01	

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QUALITY CONTROL DATA

Project: Sibley-Accucast/2339-356-03-00

Pace Project No.: 5099688

METHOD BLANK: 1117087

Matrix: Solid

Associated Lab Samples: 5099688001, 5099688002, 5099688003, 5099688004, 5099688005, 5099688006, 5099688007, 5099688008, 5099688009, 5099688010, 5099688011, 5099688012

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Dibenz(a,h)anthracene	ug/kg	ND	170	06/27/14 15:01	
Dibenzofuran	ug/kg	ND	330	06/27/14 15:01	
Diethylphthalate	ug/kg	ND	330	06/27/14 15:01	
Dimethylphthalate	ug/kg	ND	330	06/27/14 15:01	
Fluoranthene	ug/kg	ND	330	06/27/14 15:01	
Fluorene	ug/kg	ND	330	06/27/14 15:01	
Hexachloro-1,3-butadiene	ug/kg	ND	330	06/27/14 15:01	
Hexachlorobenzene	ug/kg	ND	330	06/27/14 15:01	
Hexachlorocyclopentadiene	ug/kg	ND	330	06/27/14 15:01	
Hexachloroethane	ug/kg	ND	330	06/27/14 15:01	
Indeno(1,2,3-cd)pyrene	ug/kg	ND	330	06/27/14 15:01	
Isophorone	ug/kg	ND	330	06/27/14 15:01	
N-Nitroso-di-n-propylamine	ug/kg	ND	330	06/27/14 15:01	
N-Nitrosodiphenylamine	ug/kg	ND	330	06/27/14 15:01	
Naphthalene	ug/kg	ND	330	06/27/14 15:01	
Nitrobenzene	ug/kg	ND	330	06/27/14 15:01	
Pentachlorophenol	ug/kg	ND	1600	06/27/14 15:01	
Phenanthrene	ug/kg	ND	330	06/27/14 15:01	
Phenol	ug/kg	ND	330	06/27/14 15:01	
Pyrene	ug/kg	ND	330	06/27/14 15:01	
2,4,6-Tribromophenol (S)	%	54	16-122	06/27/14 15:01	
2-Fluorobiphenyl (S)	%	71	31-94	06/27/14 15:01	
2-Fluorophenol (S)	%	67	24-104	06/27/14 15:01	
Nitrobenzene-d5 (S)	%	67	28-101	06/27/14 15:01	
p-Terphenyl-d14 (S)	%	91	26-110	06/27/14 15:01	
Phenol-d5 (S)	%	66	28-101	06/27/14 15:01	

LABORATORY CONTROL SAMPLE: 1117088

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2,4-Dinitrotoluene	ug/kg	3330	2340	70	39-103	
2-Chlorophenol	ug/kg	3330	2320	70	38-96	
2-Methylnaphthalene	ug/kg	3330	2420	73	36-94	
4-Chloro-3-methylphenol	ug/kg	3330	2400	72	38-104	
4-Nitrophenol	ug/kg	3330	2130	64	34-104	
Acenaphthene	ug/kg	3330	2470	74	43-99	
Acenaphthylene	ug/kg	3330	2520	75	42-101	
Anthracene	ug/kg	3330	2660	80	46-107	
Benzo(a)anthracene	ug/kg	3330	2520	76	45-108	
Benzo(a)pyrene	ug/kg	3330	3710	111	47-113	
Benzo(b)fluoranthene	ug/kg	3330	3410	102	41-110	
Benzo(g,h,i)perylene	ug/kg	3330	3730	112	42-112	
Benzo(k)fluoranthene	ug/kg	3330	3580	108	44-107	1d

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QUALITY CONTROL DATA

Project: Sibley-Accucast/2339-356-03-00

Pace Project No.: 5099688

LABORATORY CONTROL SAMPLE: 1117088

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chrysene	ug/kg	3330	2640	79	43-103	
Dibenz(a,h)anthracene	ug/kg	3330	3790	114	43-110	1d
Fluoranthene	ug/kg	3330	2750	82	45-105	
Fluorene	ug/kg	3330	2730	82	42-103	
Indeno(1,2,3-cd)pyrene	ug/kg	3330	3660	110	43-111	
N-Nitroso-di-n-propylamine	ug/kg	3330	2400	72	37-96	
Naphthalene	ug/kg	3330	2370	71	44-100	
Pentachlorophenol	ug/kg	3330	ND	37	21-103	
Phenanthrene	ug/kg	3330	2540	76	44-104	
Phenol	ug/kg	3330	2410	72	37-101	
Pyrene	ug/kg	3330	2800	84	44-105	
2,4,6-Tribromophenol (S)	%			73	16-122	
2-Fluorobiphenyl (S)	%			72	31-94	
2-Fluorophenol (S)	%			70	24-104	
Nitrobenzene-d5 (S)	%			71	28-101	
p-Terphenyl-d14 (S)	%			97	26-110	
Phenol-d5 (S)	%			71	28-101	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1117089 1117090

Parameter	Units	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual	
		5099688001 Result	Spike Conc.	Spike Conc.	MS Result							MSD Result
2,4-Dinitrotoluene	ug/kg	ND	3450	3470	2640	2720	77	78	15-102	3	20	
2-Chlorophenol	ug/kg	ND	3450	3470	2610	2440	76	70	22-96	7	20	
2-Methylnaphthalene	ug/kg	ND	3450	3470	2620	2580	76	74	14-107	2	20	
4-Chloro-3-methylphenol	ug/kg	ND	3450	3470	2780	2710	81	78	21-105	3	20	
4-Nitrophenol	ug/kg	ND	3450	3470	2730	2680	79	77	12-107	2	20	
Acenaphthene	ug/kg	ND	3450	3470	2670	2630	77	76	19-110	1	20	
Acenaphthylene	ug/kg	ND	3450	3470	2770	2780	80	80	21-106	0	20	
Anthracene	ug/kg	ND	3450	3470	2840	2850	82	82	22-112	0	20	
Benzo(a)anthracene	ug/kg	ND	3450	3470	2730	2750	79	79	13-116	1	20	
Benzo(a)pyrene	ug/kg	ND	3450	3470	3950	4040	114	116	11-119	2	20	
Benzo(b)fluoranthene	ug/kg	ND	3450	3470	3560	3830	103	110	10-126	7	20	
Benzo(g,h,i)perylene	ug/kg	ND	3450	3470	3750	3850	109	111	10-114	3	20	
Benzo(k)fluoranthene	ug/kg	ND	3450	3470	3960	3920	115	113	10-117	1	20	
Chrysene	ug/kg	ND	3450	3470	2790	2850	81	82	14-107	2	20	
Dibenz(a,h)anthracene	ug/kg	ND	3450	3470	3840	3950	111	114	10-119	3	20	
Fluoranthene	ug/kg	ND	3450	3470	2880	3060	83	88	17-110	6	20	
Fluorene	ug/kg	ND	3450	3470	2940	3000	85	86	17-115	2	20	
Indeno(1,2,3-cd)pyrene	ug/kg	ND	3450	3470	3750	3860	109	111	11-111	3	20	
N-Nitroso-di-n-propylamine	ug/kg	ND	3450	3470	2690	2530	78	73	18-103	6	20	
Naphthalene	ug/kg	ND	3450	3470	2490	2380	72	68	16-102	4	20	
Pentachlorophenol	ug/kg	ND	3450	3470	2490	2590	72	75	10-100	4	20	
Phenanthrene	ug/kg	ND	3450	3470	2770	2830	80	82	10-128	2	20	
Phenol	ug/kg	ND	3450	3470	2700	2550	78	73	22-97	6	20	

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QUALITY CONTROL DATA

Project: Sibley-Accucast/2339-356-03-00

Pace Project No.: 5099688

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1117089												1117090	
Parameter	Units	5099688001 Result	MS	MSD	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual	
			Spike Conc.	Spike Conc.									
Pyrene	ug/kg	ND	3450	3470	2920	3120	85	90	10-123	6	20		
2,4,6-Tribromophenol (S)	%.						85	83	16-122				
2-Fluorobiphenyl (S)	%.						76	75	31-94				
2-Fluorophenol (S)	%.						75	69	24-104				
Nitrobenzene-d5 (S)	%.						73	68	26-98				
p-Terphenyl-d14 (S)	%.						99	102	26-110				
Phenol-d5 (S)	%.						78	73	28-101				

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1117091												1117092	
Parameter	Units	5099688008 Result	MS	MSD	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual	
			Spike Conc.	Spike Conc.									
2,4-Dinitrotoluene	ug/kg	ND	3790	3810	2900	2580	76	68	15-102	11	20		
2-Chlorophenol	ug/kg	ND	3790	3810	2220	2160	59	57	22-96	3	20		
2-Methylnaphthalene	ug/kg	ND	3790	3810	2840	2680	73	69	14-107	6	20		
4-Chloro-3-methylphenol	ug/kg	ND	3790	3810	2440	2480	64	65	21-105	2	20		
4-Nitrophenol	ug/kg	ND	3790	3810	2790	2400	74	63	12-107	15	20		
Acenaphthene	ug/kg	ND	3790	3810	2980	2750	79	72	19-110	8	20		
Acenaphthylene	ug/kg	ND	3790	3810	2850	2640	75	69	21-106	8	20		
Anthracene	ug/kg	ND	3790	3810	2880	2720	76	71	22-112	6	20		
Benzo(a)anthracene	ug/kg	ND	3790	3810	2800	2760	74	72	13-116	2	20		
Benzo(a)pyrene	ug/kg	ND	3790	3810	3380	3200	89	84	11-119	5	20		
Benzo(b)fluoranthene	ug/kg	ND	3790	3810	3720	3680	98	96	10-126	1	20		
Benzo(g,h,i)perylene	ug/kg	ND	3790	3810	2960	2790	78	73	10-114	6	20		
Benzo(k)fluoranthene	ug/kg	ND	3790	3810	3660	3630	97	95	10-117	1	20		
Chrysene	ug/kg	ND	3790	3810	2900	2880	77	76	14-107	1	20		
Dibenz(a,h)anthracene	ug/kg	ND	3790	3810	3380	3060	89	80	10-119	10	20		
Fluoranthene	ug/kg	ND	3790	3810	3430	3550	91	93	17-110	4	20		
Fluorene	ug/kg	ND	3790	3810	3260	2970	86	78	17-115	10	20		
Indeno(1,2,3-cd)pyrene	ug/kg	ND	3790	3810	3120	2880	83	76	11-111	8	20		
N-Nitroso-di-n-propylamine	ug/kg	ND	3790	3810	2890	2720	76	71	18-103	6	20		
Naphthalene	ug/kg	ND	3790	3810	2860	2740	73	69	16-102	4	20		
Pentachlorophenol	ug/kg	ND	3790	3810	1950	1940	52	51	10-100	1	20		
Phenanthrene	ug/kg	ND	3790	3810	3130	3310	81	85	10-128	6	20		
Phenol	ug/kg	ND	3790	3810	2410	2300	64	60	22-97	5	20		
Pyrene	ug/kg	ND	3790	3810	3420	3440	90	90	10-123	1	20		
2,4,6-Tribromophenol (S)	%.						61	64	16-122				
2-Fluorobiphenyl (S)	%.						76	72	31-94				
2-Fluorophenol (S)	%.						60	58	24-104				
Nitrobenzene-d5 (S)	%.						74	68	26-98				
p-Terphenyl-d14 (S)	%.						106	93	26-110				
Phenol-d5 (S)	%.						66	63	28-101				

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QUALITY CONTROL DATA

Project: Sibley-Accucast/2339-356-03-00

Pace Project No.: 5099688

QC Batch: OEXT/36206

Analysis Method: EPA 8270

QC Batch Method: EPA 3510

Analysis Description: 8270 Water MSSV

Associated Lab Samples: 5099688013

METHOD BLANK: 1116331

Matrix: Water

Associated Lab Samples: 5099688013

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
2,4,5-Trichlorophenol	ug/L	ND	10.0	06/24/14 16:29	
2,4,6-Trichlorophenol	ug/L	ND	10.0	06/24/14 16:29	
2,4-Dichlorophenol	ug/L	ND	10.0	06/24/14 16:29	
2,4-Dimethylphenol	ug/L	ND	10.0	06/24/14 16:29	
2,4-Dinitrophenol	ug/L	ND	50.0	06/24/14 16:29	
2,4-Dinitrotoluene	ug/L	ND	10.0	06/24/14 16:29	
2,6-Dinitrotoluene	ug/L	ND	10.0	06/24/14 16:29	
2-Chloronaphthalene	ug/L	ND	10.0	06/24/14 16:29	
2-Chlorophenol	ug/L	ND	10.0	06/24/14 16:29	
2-Methylnaphthalene	ug/L	ND	10.0	06/24/14 16:29	
2-Methylphenol(o-Cresol)	ug/L	ND	10.0	06/24/14 16:29	
2-Nitroaniline	ug/L	ND	50.0	06/24/14 16:29	
2-Nitrophenol	ug/L	ND	10.0	06/24/14 16:29	
3&4-Methylphenol(m&p Cresol)	ug/L	ND	20.0	06/24/14 16:29	
3,3'-Dichlorobenzidine	ug/L	ND	20.0	06/24/14 16:29	
3-Nitroaniline	ug/L	ND	50.0	06/24/14 16:29	
4,6-Dinitro-2-methylphenol	ug/L	ND	50.0	06/24/14 16:29	
4-Bromophenylphenyl ether	ug/L	ND	10.0	06/24/14 16:29	
4-Chloro-3-methylphenol	ug/L	ND	20.0	06/24/14 16:29	
4-Chloroaniline	ug/L	ND	20.0	06/24/14 16:29	
4-Chlorophenylphenyl ether	ug/L	ND	10.0	06/24/14 16:29	
4-Nitroaniline	ug/L	ND	50.0	06/24/14 16:29	
4-Nitrophenol	ug/L	ND	50.0	06/24/14 16:29	
Acenaphthene	ug/L	ND	10.0	06/24/14 16:29	
Acenaphthylene	ug/L	ND	10.0	06/24/14 16:29	
Anthracene	ug/L	ND	10.0	06/24/14 16:29	
Benzo(a)anthracene	ug/L	ND	10.0	06/24/14 16:29	
Benzo(a)pyrene	ug/L	ND	10.0	06/24/14 16:29	
Benzo(b)fluoranthene	ug/L	ND	10.0	06/24/14 16:29	
Benzo(g,h,i)perylene	ug/L	ND	10.0	06/24/14 16:29	
Benzo(k)fluoranthene	ug/L	ND	10.0	06/24/14 16:29	
Benzyl alcohol	ug/L	ND	20.0	06/24/14 16:29	
bis(2-Chloroethoxy)methane	ug/L	ND	10.0	06/24/14 16:29	
bis(2-Chloroethyl) ether	ug/L	ND	10.0	06/24/14 16:29	
bis(2-Ethylhexyl)phthalate	ug/L	ND	5.0	06/24/14 16:29	
bis(2chloro1 methylethyl) ether	ug/L	ND	5.0	06/24/14 16:29	
Butylbenzylphthalate	ug/L	ND	10.0	06/24/14 16:29	
Chrysene	ug/L	ND	10.0	06/24/14 16:29	
Di-n-butylphthalate	ug/L	ND	10.0	06/24/14 16:29	
Di-n-octylphthalate	ug/L	ND	10.0	06/24/14 16:29	
Dibenz(a,h)anthracene	ug/L	ND	10.0	06/24/14 16:29	

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QUALITY CONTROL DATA

Project: Sibley-Accucast/2339-356-03-00

Pace Project No.: 5099688

METHOD BLANK: 1116331

Matrix: Water

Associated Lab Samples: 5099688013

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Dibenzofuran	ug/L	ND	10.0	06/24/14 16:29	
Diethylphthalate	ug/L	ND	10.0	06/24/14 16:29	
Dimethylphthalate	ug/L	ND	10.0	06/24/14 16:29	
Fluoranthene	ug/L	ND	10.0	06/24/14 16:29	
Fluorene	ug/L	ND	10.0	06/24/14 16:29	
Hexachloro-1,3-butadiene	ug/L	ND	5.0	06/24/14 16:29	
Hexachlorobenzene	ug/L	ND	10.0	06/24/14 16:29	
Hexachlorocyclopentadiene	ug/L	ND	20.0	06/24/14 16:29	
Hexachloroethane	ug/L	ND	10.0	06/24/14 16:29	
Indeno(1,2,3-cd)pyrene	ug/L	ND	10.0	06/24/14 16:29	
Isophorone	ug/L	ND	10.0	06/24/14 16:29	
N-Nitroso-di-n-propylamine	ug/L	ND	10.0	06/24/14 16:29	
N-Nitrosodiphenylamine	ug/L	ND	10.0	06/24/14 16:29	
Naphthalene	ug/L	ND	5.0	06/24/14 16:29	
Nitrobenzene	ug/L	ND	10.0	06/24/14 16:29	
Pentachlorophenol	ug/L	ND	50.0	06/24/14 16:29	
Phenanthrene	ug/L	ND	10.0	06/24/14 16:29	
Phenol	ug/L	ND	10.0	06/24/14 16:29	
Pyrene	ug/L	ND	10.0	06/24/14 16:29	
2,4,6-Tribromophenol (S)	%	97	31-161	06/24/14 16:29	
2-Fluorobiphenyl (S)	%	85	31-118	06/24/14 16:29	
2-Fluorophenol (S)	%	33	10-67	06/24/14 16:29	
Nitrobenzene-d5 (S)	%	90	29-126	06/24/14 16:29	
p-Terphenyl-d14 (S)	%	85	28-129	06/24/14 16:29	
Phenol-d5 (S)	%	19	10-47	06/24/14 16:29	

LABORATORY CONTROL SAMPLE: 1116332

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2,4-Dinitrotoluene	ug/L	100	101	101	36-126	
2-Chlorophenol	ug/L	100	60.1	60	40-98	
2-Methylnaphthalene	ug/L	100	73.1	73	36-111	
4-Chloro-3-methylphenol	ug/L	100	69.9	70	43-113	
4-Nitrophenol	ug/L	100	ND	23	10-42	
Acenaphthene	ug/L	100	85.9	86	45-119	
Acenaphthylene	ug/L	100	84.3	84	46-120	
Anthracene	ug/L	100	96.1	96	50-129	
Benzo(a)anthracene	ug/L	100	94.1	94	54-126	
Benzo(a)pyrene	ug/L	100	93.0	93	59-129	
Benzo(b)fluoranthene	ug/L	100	95.5	96	53-127	
Benzo(g,h,i)perylene	ug/L	100	92.3	92	53-125	
Benzo(k)fluoranthene	ug/L	100	91.9	92	54-125	
Chrysene	ug/L	100	96.5	97	51-123	
Dibenz(a,h)anthracene	ug/L	100	94.7	95	52-125	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Sibley-Accucast/2339-356-03-00

Pace Project No.: 5099688

LABORATORY CONTROL SAMPLE: 1116332

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Fluoranthene	ug/L	100	94.3	94	51-127	
Fluorene	ug/L	100	91.2	91	46-124	
Indeno(1,2,3-cd)pyrene	ug/L	100	90.1	90	54-125	
N-Nitroso-di-n-propylamine	ug/L	100	87.4	87	43-120	
Naphthalene	ug/L	100	74.0	74	39-108	
Pentachlorophenol	ug/L	100	97.6	98	31-125	
Phenanthrene	ug/L	100	94.5	95	49-124	
Phenol	ug/L	100	23.6	24	10-37	
Pyrene	ug/L	100	92.0	92	51-127	
2,4,6-Tribromophenol (S)	%			94	31-161	
2-Fluorobiphenyl (S)	%			91	31-118	
2-Fluorophenol (S)	%			31	10-67	
Nitrobenzene-d5 (S)	%			86	29-126	
p-Terphenyl-d14 (S)	%			88	28-129	
Phenol-d5 (S)	%			19	10-47	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Sibley-Accucast/2339-356-03-00
Pace Project No.: 5099688

QC Batch: PMST/9615 Analysis Method: ASTM D2974-87
QC Batch Method: ASTM D2974-87 Analysis Description: Dry Weight/Percent Moisture
Associated Lab Samples: 5099688001, 5099688002, 5099688003, 5099688004, 5099688005, 5099688006

SAMPLE DUPLICATE: 1118069

Parameter	Units	5099682003 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	14.5	15.1	4	5	

SAMPLE DUPLICATE: 1118070

Parameter	Units	5099688001 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	4.7	4.6	3	5	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Sibley-Accucast/2339-356-03-00
Pace Project No.: 5099688

QC Batch: PMST/9616 Analysis Method: ASTM D2974-87
QC Batch Method: ASTM D2974-87 Analysis Description: Dry Weight/Percent Moisture
Associated Lab Samples: 5099688007, 5099688008, 5099688009, 5099688010, 5099688011, 5099688012

SAMPLE DUPLICATE: 1118071

Parameter	Units	5099688008 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	12.9	7.9	47	5	R1

SAMPLE DUPLICATE: 1118072

Parameter	Units	5099690014 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	19.0	18.6	2	5	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: Sibley-Accucast/2339-356-03-00
Pace Project No.: 5099688

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

LOD - Limit of Detection.

LOQ - Limit of Quantitation.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

- 1d Analyte recovery in the laboratory control sample (LCS) exceeded QC limits. Analyte presence below reporting limits in the samples. Results unaffected by high bias
- 2d Multiple compounds are outside acceptance limits due to sample matrix. Refer to LCS for system control and data acceptability. JLZ 07/04/14.
- 3d RPD is outside control limits due to sample non-homogeneity. FRW 6-25-14
- D3 Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.
- M0 Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.
- M3 Matrix spike recovery was outside laboratory control limits due to matrix interferences.
- N2 The lab does not hold TNI accreditation for this parameter.
- P6 Matrix spike recovery was outside laboratory control limits due to a parent sample concentration notably higher than the spike level.
- R1 RPD value was outside control limits.
- S0 Surrogate recovery outside laboratory control limits.
- S4 Surrogate recovery not evaluated against control limits due to sample dilution.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Sibley-Accucast/2339-356-03-00

Pace Project No.: 5099688

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
5099688001	TMW-5(12-14)	EPA 3546	OEXT/36237	EPA 8082	GCSV/12740
5099688002	TMW-5(2-4)	EPA 3546	OEXT/36237	EPA 8082	GCSV/12740
5099688003	TMW-4(14-16)	EPA 3546	OEXT/36237	EPA 8082	GCSV/12740
5099688004	TMW-4(5-7)	EPA 3546	OEXT/36245	EPA 8082	GCSV/12742
5099688005	P-5(10-12)	EPA 3546	OEXT/36245	EPA 8082	GCSV/12742
5099688006	P-5(2-4)	EPA 3546	OEXT/36245	EPA 8082	GCSV/12742
5099688007	TMW-6(14-16)	EPA 3546	OEXT/36245	EPA 8082	GCSV/12742
5099688008	TMW-6(2-4)	EPA 3546	OEXT/36245	EPA 8082	GCSV/12742
5099688009	P-6(10-12)	EPA 3546	OEXT/36253	EPA 8082	GCSV/12768
5099688010	P-6(2-4)	EPA 3546	OEXT/36253	EPA 8082	GCSV/12768
5099688011	P-3 RE(2-4)	EPA 3546	OEXT/36253	EPA 8082	GCSV/12768
5099688012	P-8 RE(0-2)	EPA 3546	OEXT/36253	EPA 8082	GCSV/12768
5099688013	SOIL EQ BLANK	EPA 3510	OEXT/36198	EPA 8082	GCSV/12719
5099688001	TMW-5(12-14)	EPA 3050	MPRP/13629	EPA 6010	ICP/15864
5099688002	TMW-5(2-4)	EPA 3050	MPRP/13629	EPA 6010	ICP/15864
5099688003	TMW-4(14-16)	EPA 3050	MPRP/13629	EPA 6010	ICP/15864
5099688004	TMW-4(5-7)	EPA 3050	MPRP/13629	EPA 6010	ICP/15864
5099688005	P-5(10-12)	EPA 3050	MPRP/13629	EPA 6010	ICP/15864
5099688006	P-5(2-4)	EPA 3050	MPRP/13629	EPA 6010	ICP/15864
5099688007	TMW-6(14-16)	EPA 3050	MPRP/13629	EPA 6010	ICP/15864
5099688008	TMW-6(2-4)	EPA 3050	MPRP/13629	EPA 6010	ICP/15864
5099688009	P-6(10-12)	EPA 3050	MPRP/13629	EPA 6010	ICP/15864
5099688010	P-6(2-4)	EPA 3050	MPRP/13629	EPA 6010	ICP/15864
5099688011	P-3 RE(2-4)	EPA 3050	MPRP/13629	EPA 6010	ICP/15864
5099688012	P-8 RE(0-2)	EPA 3050	MPRP/13629	EPA 6010	ICP/15864
5099688013	SOIL EQ BLANK	EPA 3010	MPRP/13638	EPA 6010	ICP/15889
5099688001	TMW-5(12-14)	EPA 3546	OEXT/36222	EPA 8270	MSSV/15583
5099688002	TMW-5(2-4)	EPA 3546	OEXT/36222	EPA 8270	MSSV/15583
5099688003	TMW-4(14-16)	EPA 3546	OEXT/36222	EPA 8270	MSSV/15583
5099688004	TMW-4(5-7)	EPA 3546	OEXT/36222	EPA 8270	MSSV/15583
5099688005	P-5(10-12)	EPA 3546	OEXT/36222	EPA 8270	MSSV/15583
5099688006	P-5(2-4)	EPA 3546	OEXT/36222	EPA 8270	MSSV/15583
5099688007	TMW-6(14-16)	EPA 3546	OEXT/36222	EPA 8270	MSSV/15583
5099688008	TMW-6(2-4)	EPA 3546	OEXT/36222	EPA 8270	MSSV/15583
5099688009	P-6(10-12)	EPA 3546	OEXT/36222	EPA 8270	MSSV/15583
5099688010	P-6(2-4)	EPA 3546	OEXT/36222	EPA 8270	MSSV/15583
5099688011	P-3 RE(2-4)	EPA 3546	OEXT/36222	EPA 8270	MSSV/15583
5099688012	P-8 RE(0-2)	EPA 3546	OEXT/36222	EPA 8270	MSSV/15583
5099688013	SOIL EQ BLANK	EPA 3510	OEXT/36206	EPA 8270	MSSV/15566
5099688013	SOIL EQ BLANK	EPA 8260	MSV/66354		
5099688001	TMW-5(12-14)	EPA 8260	MSV/66411		
5099688002	TMW-5(2-4)	EPA 8260	MSV/66411		
5099688003	TMW-4(14-16)	EPA 8260	MSV/66411		
5099688004	TMW-4(5-7)	EPA 8260	MSV/66411		

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Sibley-Accucast/2339-356-03-00
Pace Project No.: 5099688

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
5099688005	P-5(10-12)	EPA 8260	MSV/66414		
5099688006	P-5(2-4)	EPA 8260	MSV/66414		
5099688007	TMW-6(14-16)	EPA 8260	MSV/66414		
5099688008	TMW-6(2-4)	EPA 8260	MSV/66414		
5099688009	P-6(10-12)	EPA 8260	MSV/66414		
5099688010	P-6(2-4)	EPA 8260	MSV/66414		
5099688001	TMW-5(12-14)	ASTM D2974-87	PMST/9615		
5099688002	TMW-5(2-4)	ASTM D2974-87	PMST/9615		
5099688003	TMW-4(14-16)	ASTM D2974-87	PMST/9615		
5099688004	TMW-4(5-7)	ASTM D2974-87	PMST/9615		
5099688005	P-5(10-12)	ASTM D2974-87	PMST/9615		
5099688006	P-5(2-4)	ASTM D2974-87	PMST/9615		
5099688007	TMW-6(14-16)	ASTM D2974-87	PMST/9616		
5099688008	TMW-6(2-4)	ASTM D2974-87	PMST/9616		
5099688009	P-6(10-12)	ASTM D2974-87	PMST/9616		
5099688010	P-6(2-4)	ASTM D2974-87	PMST/9616		
5099688011	P-3 RE(2-4)	ASTM D2974-87	PMST/9616		
5099688012	P-8 RE(0-2)	ASTM D2974-87	PMST/9616		

REPORT OF LABORATORY ANALYSIS

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CHAIN-OF-CUSTODY / Analytical Request Document
The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

MS

Section A
Required Client Information:
Company: Warrior Boos Consulting
Address: 7121 Grape Rd.
Email To: S.Stanford@warboos.com
Phone: 574-271-3497
Requested Due Date/TAT: _____

Section B
Required Project Information:
Report To: Steve Stanford
Copy To: ahung@warboos.com
Purchase Order No.: _____
Project Name: Sibley - Accucast
Project Number: 2339-356-03-00

Section C
Invoice Information:
Attention: Cyle Cable
Company Name: Pace Analytical
Address: 7726 Madler Rd.
Pace Quote Reference: _____
Pace Project Manager: Cyle Cable
Pace Profile #: _____

REGULATORY AGENCY
NPDES GROUND WATER DRINKING WATER
UST RCRA OTHER
Site Location: _____
STATE: IN

Page: 1 of 2
1803901

ITEM #	Section D Required Client Information	Matrix Codes MATRIX / CODE	COLLECTED		SAMPLE TYPE (G=GRAB C=COMP) (see valid codes to left)	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives	Analysis Test ↑ Y/N	Requested Analysis Filtered (Y/N)	Temp In °C	Received on Sealed Cooler (Y/N)	Custody (Y/N)	Samples Intact (Y/N)
			COMPOSITE START	COMPOSITE END/GRAB										
1	TMW-5 (12-14)	DW	6/20	13:20	G	6	Unpreserved	NOCS	Y					
2	TMW-5 (12-14) MJS	WT	6/20	13:20	G	6	Unpreserved	NOCS	Y					
3	TMW-5 (12-14) MSA	WW	6/20	13:20	G	6	Unpreserved	NOCS	Y					
4	TMW-5 (2-4)	P	6/20	12:05	G	6	Unpreserved	NOCS	Y					
5	TMW-4 (14-16)	SL	6/20	12:05	G	6	Unpreserved	NOCS	Y					
6	TMW-4 (5-7)	SL	6/20	11:55	G	6	Unpreserved	NOCS	Y					
7	P-5 (10-12)	WP	6/20	11:05	G	6	Unpreserved	NOCS	Y					
8	P-5 (2-4)	AR	6/20	10:50	G	6	Unpreserved	NOCS	Y					
9	TMW-6 (14-16)	TS	6/20	10:30	G	6	Unpreserved	NOCS	Y					
10	TMW-6 (2-4)	OT	6/20	10:00	G	6	Unpreserved	NOCS	Y					
11	TMW-6 (2-4) MJS		6/20	10:00	G	6	Unpreserved	NOCS	Y					
12	TMW-6 (2-4) MSP		6/20	10:00	G	6	Unpreserved	NOCS	Y					

ADDITIONAL COMMENTS
Hex Cr analysis only done if authorized by project manager Alex to gain samples

RELINQUISHED BY / AFFILIATION
Alex Huang
DATE: 6/20/20
TIME: 16:00

ACCEPTED BY / AFFILIATION
[Signature]
DATE: 6-21-19
TIME: 1054

SAMPLE CONDITIONS
Residual Chlorine (Y/N): _____
Temp In °C: 3.8°C
Received on Sealed Cooler (Y/N): Y
Custody (Y/N): Y
Samples Intact (Y/N): Y

SAMPLER NAME AND SIGNATURE
PRINT Name of SAMPLER: Alex Huang
SIGNATURE of SAMPLER: [Signature]
DATE Signed (MM/DD/YY): 06/20/14

ORIGINAL

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days



CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Section A
 Required Client Information:
 Company: Weaver Boss Consulting
 Address: 7121 Grape Rd.,
Ganges, IN 46530
 Email To: SSStanford@weaverboss.com
 Phone: 574-271-3447 (Fax)
 Requested Due Date/TAT:

Section B
 Required Project Information:
 Report To: Steve Stanford
 Copy To: ahuang@weaverboss.com
 Purchase Order No.:
 Project Name: Sibley - Accucast
 Project Number: 2339-356-03-00

Section C
 Invoice Information:
 Attention: Lyle Cable
 Company Name: Pace Analytical
 Address: 7726 Miller Rd.
 Pace Quote Reference:
 Pace Project Manager:
 Pace Profile #:

REGULATORY AGENCY
 NPDES GROUND WATER DRINKING WATER
 UST RCRA OTHER _____

Site Location: IN
 STATE: IN

Page: 2 of 2
 1805000

ITEM #	Section D Required Client Information	Matrix Codes MATRIX I CODE	COLLECTED		SAMPLE TYPE (G-GRAB C-COMP)	MATRIX CODE (see valid codes to left)	SAMPLE TEMP AT COLLECTION		# OF CONTAINERS	Preservatives	Analysis Test ↓	Requested Analysis Filtered (Y/N)	Pace Project No./ Lab I.D.
			COMPOSITE START	COMPOSITE END/GRAB			DATE	TIME					
1	P-6 (10-12)	DW	6/20	9:36	G	SLG	6	6	Unpreserved	VOCs		-009	
2	P-5 (2-4)	WT	6/20	9:15	G	SLG	6	6	H ₂ SO ₄	PCBs		-010	
3	P-3 RE (2-4)	WW	6/20	8:35	G	SLG	2	2	HCl	Metals		-011	
4	P-8 RE (0-2)	P	6/20	8:45	G	SLG	2	2	HNO ₃	PCBs		-012	
5	Sail EO Blank	SL	6/20	11:25	WT	WT	6	6	NaOH	Metals		-013	
6		WP							H ₂ SO ₄				
7		AR							HNO ₃				
8		TS							HCl				
9		OT							Other				
10									Na ₂ S ₂ O ₃				
11									Methanol				
12													

ADDITIONAL COMMENTS
 Please do not start Hex
 Co analysis yet. Hold
 samples P-3 RE each
 P-8 RE. Never Mind!

RELINQUISHED BY / AFFILIATION
 Alex Huang/weaverboss

DATE
 6/20 11:00

TIME
 11:00

ACCEPTED BY / AFFILIATION
 Alex Huang

DATE
 6-21-14

TIME
 1054

SAMPLE CONDITIONS
 Received on Ice (Y/N)
 Custody Sealed Cooler (Y/N)
 Samples Intact (Y/N)

Temp in °C
 3.8°C
 2.0°C

SAMPLER NAME AND SIGNATURE
 PRINT Name of SAMPLER: Alex Huang
 SIGNATURE OF SAMPLER: Alex Huang
 DATE Signed (MM/DD/YY): 6/20/14

ORIGINAL

Sample Condition Upon Receipt



Client Name: Weaver Boo Project # 5099688

Courier: Fed Ex UPS USPS Client Commercial Pace Other

Tracking #: 805551445174

Custody Seal on Cooler/Box Present: yes no Seals intact: yes no

Date/Time 5035A kits placed in freezer

Packing Material: Bubble Wrap Bubble Bags None Other

Thermometer Used 1 2 3 4 6 A B C D E Type of Ice: Wet Blue None Samples on ice, cooling process has begun

Cooler Temperature 3.8, 2.0 °C Ice Visible in Sample Containers: yes no

Temp should be above freezing to 6°C

Comments: Date and initials of person examining contents: CP 6-21-14

Chain of Custody Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Chain of Custody Filled Out:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.
Chain of Custody Relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.
Sampler Name & Signature on COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Short Hold Time Analysis (<72hr):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	5.
Rush Turn Around Time Requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	6.
Containers Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	7.
Sample Labels match COC: -Includes date/time/ID/Analysis	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	8.
All containers needing acid/base pres. have been checked? exceptions: VOA, coliform, TOC, O&G	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	9. (Circle) HNO3 H2SO4 NaOH HCl
All containers needing preservation are found to be in compliance with EPA recommendation (<2, >9, >12) unless otherwise noted.		
Headspace in VOA Vials (>6mm):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input checked="" type="checkbox"/> N/A	10. <u>CP-21-14</u>
Trip Blank Present:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	11.
Trip Blank Custody Seals Present	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Project Manager Review		
Samples Arrived within Hold Time:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	12.
Sufficient Volume:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	13.
Correct Containers Used:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	14.

Client Notification/ Resolution:

Field Data Required? Y / N

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: *[Signature]*

Date: 6/21/14

Sample Container Count



CLIENT: Weaver Boos

COC PAGE 1 of 2
 COC ID# 1803901

Project # 5099608

Sample Line Item	DG9H	AG1U	WG9U	AG0U	R	4/6	BP2N	BP2U	BP2S	BP3N	BP3U	BP3S	AG3S	AG1H	BP3C	BP1U	SPST	pH <2	pH >12	Comments	
1																					
2																					
3																					
4																					
5																					
6																					
7																					
8																					
9																					
10																					
11																					
12																					

Container Codes	DG9H	AG1U	WG9U	AG0U	BP1N	BP1S	BP1U	BP1Z	BP2A	BP2O	BP2Z	AF	BP3C	BP3Z	C	DG9B	DG9M	DG9P	DG9S	DG9T	DG9U	JGFU	VG9H	VG9T	VG9U	VSG	WGFX	ZPLC
40mL HCL amber vial																												
1liter unpreserved amber glass																												
4oz clear soil jar																												
terra core kit																												
500mL HNO3 plastic																												
500mL unpreserved plastic																												
500mL H2SO4 plastic																												
250mL HNO3 plastic																												
250mL unpreserved plastic																												
250mL H2SO4 plastic																												
1 liter H2SO4 glass amber																												
1 liter unpreserved plastic																												
1 liter H2SO4 glass amber																												
1 liter unpreserved plastic																												
40mL HCL amber vial																												
40mL H2SO4 amber vial																												
40mL Na Thio amber vial																												
40mL unpreserved amber vial																												
Wipe/Swab																												
4oz unpreserved amber wide																												
Summa Can																												
40mL HCL clear vial																												
40mL Na Thio. clear vial																												
40mL unpreserved clear vial																												
Headspace septa vial & HCL																												
4oz wide jar w/hexane wipe																												
Ziploc Bag																												

Sample Container Count



CLIENT: Weaver Boas

COC PAGE 2 of 3
 COC ID# 1805000

Project # 5099688

Sample Line Item	DC9H	AG1U	WG FU	AG0U	R	4/6	BP2N	BP2U	BP2S	BP3N	BP3U	BP3S	AG3S	AG1H	BP3C	BP1U	SPST	pH <2	pH >12	Comments	
1			2																		
2			2																		
3			2																		
4			2																		
5			3	2					1												
6																					
7																					
8																					
9																					
10																					
11																					
12																					

Container Codes	40mL HCL amber vial	AG0U	100mL unpreserved amber glass	BP1N	1 liter HNO3 plastic	DG9P	40mL TSP amber vial
DC9H	40mL HCL amber vial	AG0U	100mL unpreserved amber glass	BP1N	1 liter HNO3 plastic	DG9P	40mL TSP amber vial
AG1U	1 liter unpreserved amber glass	AG1H	1 liter HCL clear glass	BP1S	1 liter H2SO4 plastic	DG9S	40mL H2SO4 amber vial
WG FU	4oz clear soil jar	AG1S	1 liter H2SO4 amber glass	BP1U	1 liter unpreserved plastic	DG9T	40mL Na Thio amber vial
R	terra core kit	AG1T	1 liter Na Thiosulfate amber glass	BP1Z	1 liter NaOH, Zn, Ac	DG9U	40mL unpreserved amber vial
BP2N	500mL HNO3 plastic	AG2N	500mL HNO3 amber glass	BP2A	500mL NaOH, Asc Acid plastic	JGFU	4oz unpreserved amber wide
BP2U	500mL unpreserved plastic	AG2S	500mL H2SO4 amber glass	BP2O	500mL NaOH plastic	U	Summa Can
BP2S	500mL H2SO4 plastic	AG2U	500mL unpreserved amber glass	BP2Z	500mL NaOH, Zn Ac	VG9H	40mL HCL clear vial
BP3N	250mL HNO3 plastic	AG3U	250mL unpreserved amber glass	AF	Air Filter	VG9T	40mL Na Thio. clear vial
BP3U	250mL unpreserved plastic	BG1H	1 liter HCL clear glass	BP3C	250mL NaOH plastic	VG9U	40mL unpreserved clear vial
BP3S	250mL H2SO4 plastic	BG1S	1 liter H2SO4 clear glass	BP3Z	250mL NaOH, Zn Ac plastic	VSG	Headspace septa vial & HCL
AG3S	250mL H2SO4 glass amber	BG1T	1 liter Na Thiosulfate clear glass	C	Air Cassettes	WGFX	4oz wide jar w/hexane wipe
AG1S	1 liter H2SO4 amber glass	BG1U	1 liter unpreserved glass	DG9B	40mL Na Bisulfate amber vial	ZPLC	Ziploc Bag
BP1U	1 liter unpreserved plastic	BP1A	1 liter NaOH, Asc Acid plastic	DG9M	40mL MeOH clear vial		

MSV - FORM II VOA-1
WATER VOLATILE SURROGATE RECOVERY

Lab Name: Pace Analytical - Indiana SDG No.: 5099688 Contract: Sibley-Accucast/2339-356-

Instrument ID: 50MV4B

LAB SAMPLE ID	SAMPLE NAME	BFB	DIBF	TOL8
1121182	1121182BLANK	93	98	96
1121183	1121183LCS	106	99	100
5099688013	SOIL EQ BLANK	89	101	96

(BFB) = 4-Bromofluorobenzene (S)

(DIBF) = Dibromofluoromethane (S)

(TOL8) = Toluene-d8 (S)

* Values outside of QC Limits

QC LIMITS

(80-114)

(79-116)

(81-110)

MSV - FORM II VOA-1
SOLID VOLATILE SURROGATE RECOVERY

Lab Name: Pace Analytical - Indiana SDG No.: 5099688 Contract: Sibley-Accucast/2339-356-

Instrument ID: 50MV3A

LAB SAMPLE ID	SAMPLE NAME	BFB	DIBF	TOL8
1122044	1122044BLANK	99	94	94
1122045	1122045LCS	102	99	97
1122048	1122048MS	99	96	94
1122049	1122049MSD	100	98	94
1122064	1122064BLANK	99	94	94
1122065	1122065LCS	100	97	94
1122066	1122066MS	98	99	93
1122067	1122067MSD	98	96	95
5099688001	TMW-5(12-14)	97	95	94
5099688002	TMW-5(2-4)	98	93	94
5099688003	TMW-4(14-16)	98	95	94
5099688004	TMW-4(5-7)	98	95	94
5099688005	P-5(10-12)	99	100	93
5099688006	P-5(2-4)	99	97	95
5099688007	TMW-6(14-16)	98	95	94
5099688008	TMW-6(2-4)	97	101	92
5099688009	P-6(10-12)	98	98	92
5099688010	P-6(2-4)	96	98	92

QC LIMITS

(56-144)

(85-118)

(71-128)

(BFB) = 4-Bromofluorobenzene (S)
(DIBF) = Dibromofluoromethane (S)
(TOL8) = Toluene-d8 (S)

* Values outside of QC Limits

MSV - FORM III VOA-1
WATER LABORATORY CONTROL SAMPLE RECOVERY

Lab Name: Pace Analytical - Indiana
Date Extracted: 07/01/2014
Instrument: 50MV4B
Lab File ID: B070114.B\B02LCS.D

Lab Sample ID: 1121183LCS
Date Analyzed (1): 07/01/2014
LCS Lot No: 71262
SDG No.: 5099688

COMPOUND	AMOUNT ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS %REC	QC LIMITS REC.
Acetone	250	320	128	49-150
Benzene	50.0	52.9	106	74-122
Bromodichloromethane	50.0	56.2	112	62-136
Bromoform	50.0	44.3	89	44-134
Bromomethane	50.0	79.9	160	22-181
2-Butanone (MEK)	250	304	121	58-139
Carbon disulfide	100	113	113	59-132
Carbon tetrachloride	50.0	56.3	113	56-137
Chlorobenzene	50.0	50.4	101	78-123
Chloroethane	50.0	46.1	92	60-144
Chloroform	50.0	50.1	100	78-126
Chloromethane	50.0	50.2	100	42-134
Dibromochloromethane	50.0	44.8	90	58-128
1,2-Dibromoethane (EDB)	50.0	55.5	111	76-125
1,2-Dichlorobenzene	50.0	52.8	106	75-123
1,3-Dichlorobenzene	50.0	50.8	102	74-122
1,4-Dichlorobenzene	50.0	50.6	101	76-120
Dichlorodifluoromethane	50.0	54.5	109	35-181
1,1-Dichloroethane	50.0	54.1	108	75-130
1,2-Dichloroethane	50.0	47.8	96	75-128
1,1-Dichloroethene	50.0	49.2	98	68-127
cis-1,2-Dichloroethene	50.0	51.5	103	75-122
trans-1,2-Dichloroethene	50.0	47.8	96	72-124
1,2-Dichloropropane	50.0	52.8	106	74-121
cis-1,3-Dichloropropene	50.0	47.9	96	64-126
trans-1,3-Dichloropropene	50.0	45.3	91	64-121
Ethylbenzene	50.0	55.3	111	66-133
2-Hexanone	250	339	136	54-140
Isopropylbenzene (Cumene)	50.0	56.0	112	69-124
Methylene Chloride	50.0	49.5	99	68-132
4-Methyl-2-pentanone (MIBK)	250	325	130	58-138
Methyl-tert-butyl ether	100	98.4	98	69-122
Styrene	50.0	53.8	108	74-126
1,1,2,2-Tetrachloroethane	50.0	55.3	111	66-126
Tetrachloroethene	50.0	48.4	97	69-130
Toluene	50.0	51.4	103	72-122
1,2,4-Trichlorobenzene	50.0	43.5	87	68-131
1,1,1-Trichloroethane	50.0	56.4	113	71-129
1,1,2-Trichloroethane	50.0	50.7	101	77-130
Trichloroethene	50.0	50.5	101	76-126
Trichlorofluoromethane	50.0	49.9	100	76-149
Vinyl chloride	50.0	52.0	104	59-126
Xylene (Total)	150	174	116	70-124

Spike Recovery: 0 out of 43 outside limits.

07/21/2014 8:52

MSV - FORM III VOA-1
SOLID LABORATORY CONTROL SAMPLE RECOVERY

Lab Name: Pace Analytical - Indiana
Date Extracted: 07/02/2014
Instrument: 50MV3A
Lab File ID: A070214.B\A02LCSSX.D

Lab Sample ID: 1122045LCS
Date Analyzed (1): 07/02/2014
LCS Lot No: 71089
SDG No.: 5099688

COMPOUND	AMOUNT ADDED (ug/kg)	LCS CONCENTRATION (ug/kg)	LCS %REC	QC LIMITS REC.
Acetone	250	299	120	46-156
Acrolein	1000	1370	137	47-200
Acrylonitrile	1000	900	90	67-130
Benzene	50.0	46.1	92	74-119
Bromobenzene	50.0	41.9	84	69-129
Bromochloromethane	50.0	44.1	88	67-129
Bromodichloromethane	50.0	41.4	83	68-121
Bromoform	50.0	38.3	77	49-124
Bromomethane	50.0	41.2	82	44-142
2-Butanone (MEK)	250	238	95	59-139
n-Butylbenzene	50.0	40.3	81	68-125
sec-Butylbenzene	50.0	40.9	82	64-131
tert-Butylbenzene	50.0	34.3	69	46-124
Carbon disulfide	100	89.4	89	61-129
Carbon tetrachloride	50.0	39.0	78	58-127
Chlorobenzene	50.0	42.1	84	77-122
Chloroethane	50.0	52.5	105	59-141
Chloroform	50.0	40.5	81	75-124
Chloromethane	50.0	48.9	98	46-133
2-Chlorotoluene	50.0	39.6	79	72-121
4-Chlorotoluene	50.0	41.5	83	75-123
Dibromochloromethane	50.0	37.0	74	60-121
1,2-Dibromoethane (EDB)	50.0	45.7	91	74-120
Dibromomethane	50.0	39.6	79	72-124
1,2-Dichlorobenzene	50.0	41.9	84	73-122
1,3-Dichlorobenzene	50.0	41.3	83	73-121
1,4-Dichlorobenzene	50.0	41.8	84	75-119
trans-1,4-Dichloro-2-butene	200	152	76	61-124
Dichlorodifluoromethane	50.0	33.1	66	26-186
1,1-Dichloroethane	50.0	42.6	85	73-130
1,2-Dichloroethane	50.0	39.4	79	73-127
1,1-Dichloroethene	50.0	43.2	86	66-126
cis-1,2-Dichloroethene	50.0	42.0	84	72-122
trans-1,2-Dichloroethene	50.0	41.8	84	69-123
1,2-Dichloropropane	50.0	44.4	89	75-118
1,3-Dichloropropane	50.0	41.0	82	72-121
2,2-Dichloropropane	50.0	45.9	92	63-122
1,1-Dichloropropene	50.0	41.4	83	78-125
cis-1,3-Dichloropropene	50.0	39.0	78	68-115
trans-1,3-Dichloropropene	50.0	39.6	79	66-114
Ethylbenzene	50.0	42.4	85	72-123
Ethyl methacrylate	200	157	79	63-130
Hexachloro-1,3-butadiene	50.0	45.4	91	55-139
n-Hexane	50.0	39.2	78	57-117
2-Hexanone	250	229	92	56-139
Iodomethane	100	87.1J	87	38-149
Isopropylbenzene (Cumene)	50.0	44.2	88	65-123

MSV - FORM III VOA-2
SOLID LABORATORY CONTROL SAMPLE RECOVERY

Lab Name: Pace Analytical - Indiana
 Date Extracted: 07/02/2014
 Instrument: 50MV3A
 Lab File ID: A070214.B\A02LCSSX.D

Lab Sample ID: 1122045LCS
 Date Analyzed (1): 07/02/2014
 LCS Lot No: 71089
 SDG No.: 5099688

COMPOUND	AMOUNT ADDED (ug/kg)	LCS CONCENTRATION (ug/kg)	LCS %REC	QC LIMITS REC.
p-Isopropyltoluene	50.0	40.4	81	66-133
Methylene Chloride	50.0	34.9	70	57-142
4-Methyl-2-pentanone (MIBK)	250	214	86	63-136
Methyl-tert-butyl ether	100	86.0	86	68-120
Naphthalene	50.0	43.1	86	67-131
n-Propylbenzene	50.0	41.1	82	68-122
Styrene	50.0	44.4	89	70-126
1,1,1,2-Tetrachloroethane	50.0	44.4	89	62-123
1,1,2,2-Tetrachloroethane	50.0	38.9	78	65-124
Tetrachloroethene	50.0	43.5	87	72-126
Toluene	50.0	41.1	82	71-121
1,2,3-Trichlorobenzene	50.0	44.8	90	66-131
1,2,4-Trichlorobenzene	50.0	45.4	91	68-129
1,1,1-Trichloroethane	50.0	41.3	83	70-123
1,1,2-Trichloroethane	50.0	41.6	83	74-129
Trichloroethene	50.0	42.9	86	74-123
Trichlorofluoromethane	50.0	42.2	84	72-146
1,2,3-Trichloropropane	50.0	37.7	75	44-157
1,2,4-Trimethylbenzene	50.0	41.7	83	67-126
1,3,5-Trimethylbenzene	50.0	40.2	80	65-127
Vinyl acetate	200	188	94	57-131
Vinyl chloride	50.0	50.8	102	55-128
Xylene (Total)	150	131	87	66-124

Spike Recovery: 0 out of 70 outside limits.

MSV - FORM III VOA-1
SOLID LABORATORY CONTROL SAMPLE RECOVERY

Lab Name: Pace Analytical - Indiana
Date Extracted: 07/02/2014
Instrument: 50MV3A
Lab File ID: A070214.B\C02LCSS.D

Lab Sample ID: 1122065LCS
Date Analyzed (1): 07/02/2014
LCS Lot No: 71089
SDG No.: 5099688

COMPOUND	AMOUNT ADDED (ug/kg)	LCS CONCENTRATION (ug/kg)	LCS %REC	QC LIMITS REC.
Acetone	250	222	89	46-156
Acrolein	1000	1420	142	47-200
Acrylonitrile	1000	904	90	67-130
Benzene	50.0	46.9	94	74-119
Bromobenzene	50.0	39.5	79	69-129
Bromochloromethane	50.0	45.7	91	67-129
Bromodichloromethane	50.0	44.8	90	68-121
Bromoform	50.0	39.9	80	49-124
Bromomethane	50.0	44.9	90	44-142
2-Butanone (MEK)	250	215	86	59-139
n-Butylbenzene	50.0	36.8	74	68-125
sec-Butylbenzene	50.0	40.6	81	64-131
tert-Butylbenzene	50.0	34.2	68	46-124
Carbon disulfide	100	95.0	95	61-129
Carbon tetrachloride	50.0	42.4	85	58-127
Chlorobenzene	50.0	40.7	81	77-122
Chloroethane	50.0	57.1	114	59-141
Chloroform	50.0	42.8	86	75-124
Chloromethane	50.0	52.2	104	46-133
2-Chlorotoluene	50.0	39.6	79	72-121
4-Chlorotoluene	50.0	39.8	80	75-123
Dibromochloromethane	50.0	38.3	77	60-121
1,2-Dibromoethane (EDB)	50.0	45.3	91	74-120
Dibromomethane	50.0	41.1	82	72-124
1,2-Dichlorobenzene	50.0	39.9	80	73-122
1,3-Dichlorobenzene	50.0	38.2	76	73-121
1,4-Dichlorobenzene	50.0	38.5	77	75-119
trans-1,4-Dichloro-2-butene	200	152	76	61-124
Dichlorodifluoromethane	50.0	36.3	73	26-186
1,1-Dichloroethane	50.0	44.4	89	73-130
1,2-Dichloroethane	50.0	41.5	83	73-127
1,1-Dichloroethene	50.0	45.8	92	66-126
cis-1,2-Dichloroethene	50.0	43.0	86	72-122
trans-1,2-Dichloroethene	50.0	42.6	85	69-123
1,2-Dichloropropane	50.0	46.0	92	75-118
1,3-Dichloropropane	50.0	40.4	81	72-121
2,2-Dichloropropane	50.0	45.8	92	63-122
1,1-Dichloropropene	50.0	42.0	84	78-125
cis-1,3-Dichloropropene	50.0	38.7	77	68-115
trans-1,3-Dichloropropene	50.0	39.9	80	66-114
Ethylbenzene	50.0	42.1	84	72-123
Ethyl methacrylate	200	155	77	63-130
Hexachloro-1,3-butadiene	50.0	41.8	84	55-139
n-Hexane	50.0	37.7	75	57-117
2-Hexanone	250	215	86	56-139
Iodomethane	100	90.2J	90	38-149
Isopropylbenzene (Cumene)	50.0	43.8	88	65-123

MSV - FORM III VOA-2
SOLID LABORATORY CONTROL SAMPLE RECOVERY

Lab Name: Pace Analytical - Indiana
Date Extracted: 07/02/2014
Instrument: 50MV3A
Lab File ID: A070214.B\C02LCSS.D

Lab Sample ID: 1122065LCS
Date Analyzed (1): 07/02/2014
LCS Lot No: 71089
SDG No.: 5099688

COMPOUND	AMOUNT ADDED (ug/kg)	LCS CONCENTRATION (ug/kg)	LCS %REC	QC LIMITS REC.
p-Isopropyltoluene	50.0	38.6	77	66-133
Methylene Chloride	50.0	36.7	73	57-142
4-Methyl-2-pentanone (MIBK)	250	212	85	63-136
Methyl-tert-butyl ether	100	87.5	88	68-120
Naphthalene	50.0	40.0	80	67-131
n-Propylbenzene	50.0	39.9	80	68-122
Styrene	50.0	42.7	85	70-126
1,1,1,2-Tetrachloroethane	50.0	45.6	91	62-123
1,1,2,2-Tetrachloroethane	50.0	40.3	81	65-124
Tetrachloroethene	50.0	40.4	81	72-126
Toluene	50.0	40.7	81	71-121
1,2,3-Trichlorobenzene	50.0	39.9	80	66-131
1,2,4-Trichlorobenzene	50.0	37.4	75	68-129
1,1,1-Trichloroethane	50.0	44.4	89	70-123
1,1,2-Trichloroethane	50.0	41.2	82	74-129
Trichloroethene	50.0	43.1	86	74-123
Trichlorofluoromethane	50.0	46.2	92	72-146
1,2,3-Trichloropropane	50.0	39.2	78	44-157
1,2,4-Trimethylbenzene	50.0	40.2	80	67-126
1,3,5-Trimethylbenzene	50.0	39.9	80	65-127
Vinyl acetate	200	188	94	57-131
Vinyl chloride	50.0	54.5	109	55-128
Xylene (Total)	150	126	84	66-124

Spike Recovery: 0 out of 70 outside limits.

07/21/2014 8:53

MSV - FORM III VOA-1
SOLID VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Pace Analytical - Indiana

Matrix Spike - Sample No: 1122046MS

Date Extracted: 07/02/2014

Date Analyzed (1): 07/02/2014

Instrument: 50MV3A

Lab File ID: A070214.BVA12.D

Parent Sample ID: 5099718001

SDG No.: 5099688

COMPOUND	SPIKE ADDED (ug/kg)	SAMPLE CONCENTRATION (ug/kg)	MS CONCENTRATION (ug/kg)	MS %REC	QC LIMITS REC.
1,1,1,2-Tetrachloroethane	45.2	ND	39.3	87	10-129
1,1,1-Trichloroethane	45.2	ND	38.4	85	26-143
1,1,2,2-Tetrachloroethane	45.2	ND	36.0	80	10-156
1,1,2-Trichloroethane	45.2	ND	36.5	81	13-156
1,1-Dichloroethane	45.2	ND	38.9	86	36-150
1,1-Dichloroethene	45.2	ND	40.7	90	31-146
1,1-Dichloropropene	45.2	ND	38.1	84	26-145
1,2,3-Trichlorobenzene	45.2	ND	38.6	85	10-119
1,2,3-Trichloropropane	45.2	ND	38.6	85	10-168
1,2,4-Trichlorobenzene	45.2	ND	38.8	86	10-122
1,2,4-Trimethylbenzene	45.2	ND	37.4	83	10-139
1,2-Dibromoethane (EDB)	45.2	ND	39.8	88	15-136
1,2-Dichlorobenzene	45.2	ND	36.4	81	10-132
1,2-Dichloroethane	45.2	ND	35.8	79	30-140
1,2-Dichloropropane	45.2	ND	40.9	90	29-135
1,3,5-Trimethylbenzene	45.2	ND	36.8	81	10-143
1,3-Dichlorobenzene	45.2	ND	36.0	80	10-130
1,3-Dichloropropane	45.2	ND	35.1	78	17-139
1,4-Dichlorobenzene	45.2	ND	36.4	81	10-128
2,2-Dichloropropane	45.2	ND	42.0	93	29-136
2-Butanone (MEK)	227	ND	205	91	22-176
2-Chlorotoluene	45.2	ND	35.3	78	10-146
2-Hexanone	227	ND	197	87	12-165
4-Chlorotoluene	45.2	ND	36.9	82	10-138
4-Methyl-2-pentanone (MIBK)	227	ND	186	82	22-155
Acetone	227	ND	238	105	11-200
Acrolein	905	ND	1250	138	10-200
Acrylonitrile	905	ND	808	89	20-150
Benzene	45.2	ND	42.1	93	27-140
Bromobenzene	45.2	ND	36.2	80	10-133
Bromochloromethane	45.2	ND	40.5	89	28-142
Bromodichloromethane	45.2	ND	37.9	84	13-139
Bromoform	45.2	ND	34.8	77	10-122
Bromomethane	45.2	ND	37.2	82	10-154
Carbon disulfide	90.5	ND	84.9	94	20-142
Carbon tetrachloride	45.2	ND	36.6	81	19-135
Chlorobenzene	45.2	ND	36.9	82	10-136
Chloroethane	45.2	ND	49.0	108	24-161
Chloroform	45.2	ND	37.0	82	36-138
Chloromethane	45.2	ND	45.6	101	28-143
Dibromochloromethane	45.2	ND	33.0	73	10-124
Dibromomethane	45.2	ND	36.8	81	24-136
Dichlorodifluoromethane	45.2	ND	32.6	72	15-187
Ethyl methacrylate	181	ND	137	76	10-147
Ethylbenzene	45.2	ND	38.0	84	10-144
Hexachloro-1,3-butadiene	45.2	ND	41.4	92	10-136
Iodomethane	90.5	ND	78.3J	87	10-155

MSV - FORM III VOA-2
SOLID VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Pace Analytical - Indiana

Matrix Spike - Sample No: 1122046MS

Date Extracted: 07/02/2014

Date Analyzed (1): 07/02/2014

Instrument: 50MV3A

Lab File ID: A070214.BVA12.D

Parent Sample ID: 5099718001

SDG No.: 5099688

COMPOUND	SPIKE ADDED (ug/kg)	SAMPLE CONCENTRATION (ug/kg)	MS CONCENTRATION (ug/kg)	MS %REC	QC LIMITS REC.
Isopropylbenzene (Cumene)	45.2	ND	40.5	89	10-134
Methyl-tert-butyl ether	90.5	ND	76.3	84	30-147
Methylene Chloride	45.2	ND	30.8	68	23-150
Naphthalene	45.2	ND	38.2	84	10-130
Styrene	45.2	ND	39.2	87	10-138
Tetrachloroethene	45.2	ND	38.4	85	10-153
Toluene	45.2	ND	35.9	79	10-140
Trichloroethene	45.2	ND	39.9	88	17-148
Trichlorofluoromethane	45.2	ND	40.0	89	31-177
Vinyl acetate	181	ND	157	87	10-131
Vinyl chloride	45.2	ND	47.6	105	30-145
Xylene (Total)	135	ND	116	86	10-143
cis-1,2-Dichloroethene	45.2	ND	37.9	84	29-136
cis-1,3-Dichloropropene	45.2	ND	34.1	75	10-130
n-Butylbenzene	45.2	ND	36.2	80	10-141
n-Hexane	45.2	ND	38.7	86	10-140
n-Propylbenzene	45.2	ND	36.7	81	10-143
p-Isopropyltoluene	45.2	ND	36.7	81	10-146
sec-Butylbenzene	45.2	ND	37.2	82	10-150
tert-Butylbenzene	45.2	ND	30.8	68	10-135
trans-1,2-Dichloroethene	45.2	ND	37.9	84	28-139
trans-1,3-Dichloropropene	45.2	ND	34.6	77	10-126
trans-1,4-Dichloro-2-butene	181	ND	139	77	10-132

Spike Recovery: 0 out of 70 outside limits.

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MSV - FORM III VOA-3
SOLID VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Instrument (2): 50MV3A Matrix Spike Duplicate - Sample No: 1122047MSD
 Lab File ID (2): A070214.BA13.D Date Analyzed (2): 07/02/2014

COMPOUND	SPIKE ADDED (ug/kg)	MSD CONCENTRATION (ug/kg)	MSD %REC	%RPD	QC LIMITS	
					RPD	REC.
1,1,1,2-Tetrachloroethane	41.0	36.0	88	9	0-20	10-129
1,1,1-Trichloroethane	41.0	34.9	85	9	0-20	26-143
1,1,2,2-Tetrachloroethane	41.0	32.2	78	11	0-20	10-156
1,1,2-Trichloroethane	41.0	33.5	81	9	0-20	13-156
1,1-Dichloroethane	41.0	34.9	85	11	0-20	36-150
1,1-Dichloroethene	41.0	36.6	89	10	0-20	31-146
1,1-Dichloropropene	41.0	34.9	85	9	0-20	26-145
1,2,3-Trichlorobenzene	41.0	33.7	82	13	0-20	10-119
1,2,3-Trichloropropane	41.0	32.3	79	18	0-20	10-168
1,2,4-Trichlorobenzene	41.0	34.3	83	12	0-20	10-122
1,2,4-Trimethylbenzene	41.0	33.4	81	11	0-20	10-139
1,2-Dibromoethane (EDB)	41.0	35.9	87	10	0-20	15-136
1,2-Dichlorobenzene	41.0	33.3	81	9	0-20	10-132
1,2-Dichloroethane	41.0	33.2	81	7	0-20	30-140
1,2-Dichloropropane	41.0	37.0	90	10	0-20	29-135
1,3,5-Trimethylbenzene	41.0	32.7	80	12	0-20	10-143
1,3-Dichlorobenzene	41.0	32.6	79	10	0-20	10-130
1,3-Dichloropropane	41.0	32.8	80	7	0-20	17-139
1,4-Dichlorobenzene	41.0	33.1	80	10	0-20	10-128
2,2-Dichloropropane	41.0	38.7	94	8	0-20	29-136
2-Butanone (MEK)	206	193	94	6	0-20	22-176
2-Chlorotoluene	41.0	32.2	78	9	0-20	10-146
2-Hexanone	206	183	89	8	0-20	12-165
4-Chlorotoluene	41.0	33.7	82	9	0-20	10-138
4-Methyl-2-pentanone (MIBK)	206	180	87	3	0-20	22-155
Acetone	206	205	100	15	0-20	11-200
Acrolein	822	1180	144	6	0-20	10-200
Acrylonitrile	822	761	93	6	0-20	20-150
Benzene	41.0	37.8	92	11	0-20	27-140
Bromobenzene	41.0	32.9	80	10	0-20	10-133
Bromochloromethane	41.0	37.3	91	8	0-20	28-142
Bromodichloromethane	41.0	35.4	86	7	0-20	13-139
Bromoform	41.0	32.1	78	8	0-20	10-122
Bromomethane	41.0	35.2	86	6	0-20	10-154
Carbon disulfide	82.2	77.3	94	9	0-20	20-142
Carbon tetrachloride	41.0	33.0	80	10	0-20	19-135
Chlorobenzene	41.0	34.3	84	7	0-20	10-136
Chloroethane	41.0	44.6	109	10	0-20	24-161
Chloroform	41.0	33.7	82	9	0-20	36-138
Chloromethane	41.0	42.2	103	8	0-20	28-143
Dibromochloromethane	41.0	31.0	76	6	0-20	10-124
Dibromomethane	41.0	33.9	82	8	0-20	24-136
Dichlorodifluoromethane	41.0	30.1	73	8	0-20	15-187
Ethyl methacrylate	164	129	79	6	0-20	10-147
Ethylbenzene	41.0	34.3	84	10	0-20	10-144
Hexachloro-1,3-butadiene	41.0	36.7	89	12	0-20	10-136
Iodomethane	82.2	77.9J	95		0-20	10-155
Isopropylbenzene (Cumene)	41.0	36.1	88	11	0-20	10-134
Methyl-tert-butyl ether	82.2	71.7	87	6	0-20	30-147

MSV - FORM III VOA-4
SOLID VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Instrument (2): 50MV3A Matrix Spike Duplicate - Sample No: 1122047MSD
 Lab File ID (2): A070214.BVA13.D Date Analyzed (2): 07/02/2014

COMPOUND	SPIKE ADDED (ug/kg)	MSD CONCENTRATION (ug/kg)	MSD %REC	%RPD	QC LIMITS	
					RPD	REC.
Methylene Chloride	41.0	27.8	68	10	0-20	23-150
Naphthalene	41.0	34.2	83	11	0-20	10-130
Styrene	41.0	35.7	87	9	0-20	10-138
Tetrachloroethene	41.0	34.9	85	10	0-20	10-153
Toluene	41.0	33.1	81	8	0-20	10-140
Trichloroethene	41.0	35.1	85	13	0-20	17-148
Trichlorofluoromethane	41.0	36.1	88	10	0-20	31-177
Vinyl acetate	164	147	90	6	0-20	10-131
Vinyl chloride	41.0	44.1	107	7	0-20	30-145
Xylene (Total)	123	107	86	9	0-20	10-143
cis-1,2-Dichloroethene	41.0	35.1	85	8	0-20	29-136
cis-1,3-Dichloropropene	41.0	31.7	77	7	0-20	10-130
n-Butylbenzene	41.0	31.9	78	13	0-20	10-141
n-Hexane	41.0	34.3	84	12	0-20	10-140
n-Propylbenzene	41.0	33.0	80	10	0-20	10-143
p-Isopropyltoluene	41.0	32.8	80	11	0-20	10-146
sec-Butylbenzene	41.0	32.8	80	13	0-20	10-150
tert-Butylbenzene	41.0	27.6	67	11	0-20	10-135
trans-1,2-Dichloroethene	41.0	35.1	85	8	0-20	28-139
trans-1,3-Dichloropropene	41.0	33.0	80	5	0-20	10-126
trans-1,4-Dichloro-2-butene	164	130	79	7	0-20	10-132

RPD: 0 out of 69 outside limits.

Spike Recovery: 0 out of 70 outside limits.

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MSV - FORM III VOA-5
SOLID VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Pace Analytical - Indiana
Date Extracted: 07/02/2014
Instrument: 50MV3A
Parent Sample ID: TMW-5(12-14)

Matrix Spike - Sample No: 1122048MS
Date Analyzed (1): 07/02/2014
Lab File ID: A070214.BVA17.D
SDG No.: 5099688

COMPOUND	SPIKE ADDED (ug/kg)	SAMPLE CONCENTRATION (ug/kg)	MS CONCENTRATION (ug/kg)	MS %REC	QC LIMITS REC.
1,1,1,2-Tetrachloroethane	46.7	ND	40.6	87	10-129
1,1,1-Trichloroethane	46.7	ND	39.8	85	26-143
1,1,2,2-Tetrachloroethane	46.7	ND	37.1	79	10-156
1,1,2-Trichloroethane	46.7	ND	38.7	83	13-156
1,1-Dichloroethane	46.7	ND	39.3	84	36-150
1,1-Dichloroethene	46.7	ND	41.4	89	31-146
1,1-Dichloropropene	46.7	ND	39.0	84	26-145
1,2,3-Trichlorobenzene	46.7	ND	40.0	85	10-119
1,2,3-Trichloropropane	46.7	ND	36.4	78	10-168
1,2,4-Trichlorobenzene	46.7	ND	40.0	86	10-122
1,2,4-Trimethylbenzene	46.7	ND	39.0	83	10-139
1,2-Dibromoethane (EDB)	46.7	ND	41.7	89	15-136
1,2-Dichlorobenzene	46.7	ND	38.9	83	10-132
1,2-Dichloroethane	46.7	ND	38.1	81	30-140
1,2-Dichloropropane	46.7	ND	41.6	89	29-135
1,3,5-Trimethylbenzene	46.7	ND	37.8	81	10-143
1,3-Dichlorobenzene	46.7	ND	37.7	81	10-130
1,3-Dichloropropane	46.7	ND	38.0	81	17-139
1,4-Dichlorobenzene	46.7	ND	38.5	82	10-128
2,2-Dichloropropane	46.7	ND	42.0	90	29-136
2-Butanone (MEK)	234	ND	253	108	22-176
2-Chlorotoluene	46.7	ND	37.6	80	10-146
2-Hexanone	234	ND	232	99	12-165
4-Chlorotoluene	46.7	ND	39.1	84	10-138
4-Methyl-2-pentanone (MIBK)	234	ND	202	87	22-155
Acetone	234	ND	420	180	11-200
Acrolein	935	ND	1280	137	10-200
Acrylonitrile	935	ND	825	88	20-150
Benzene	46.7	ND	43.1	92	27-140
Bromobenzene	46.7	ND	37.3	80	10-133
Bromochloromethane	46.7	ND	41.8	90	28-142
Bromodichloromethane	46.7	ND	39.4	84	13-139
Bromoform	46.7	ND	37.8	81	10-122
Bromomethane	46.7	ND	36.9	79	10-154
Carbon disulfide	93.5	ND	85.4	91	20-142
Carbon tetrachloride	46.7	ND	38.1	81	19-135
Chlorobenzene	46.7	ND	38.5	82	10-136
Chloroethane	46.7	ND	50.6	108	24-161
Chloroform	46.7	ND	38.3	82	36-138
Chloromethane	46.7	ND	46.5	100	28-143
Dibromochloromethane	46.7	ND	35.3	76	10-124
Dibromomethane	46.7	ND	38.5	82	24-136
Dichlorodifluoromethane	46.7	ND	33.2	71	15-187
Ethyl methacrylate	187	ND	138	74	10-147
Ethylbenzene	46.7	ND	39.2	84	10-144
Hexachloro-1,3-butadiene	46.7	ND	41.0	88	10-136
Iodomethane	93.5	ND	78.6J	84	10-155

MSV - FORM III VOA-6
SOLID VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Pace Analytical - Indiana
Date Extracted: 07/02/2014
Instrument: 50MV3A
Parent Sample ID: TMW-5(12-14)

Matrix Spike - Sample No: 1122048MS
Date Analyzed (1): 07/02/2014
Lab File ID: A070214.BVA17.D
SDG No.: 5099688

COMPOUND	SPIKE ADDED (ug/kg)	SAMPLE CONCENTRATION (ug/kg)	MS CONCENTRATION (ug/kg)	MS %REC	QC LIMITS REC.
Isopropylbenzene (Cumene)	46.7	ND	40.5	87	10-134
Methyl-tert-butyl ether	93.5	ND	81.9	88	30-147
Methylene Chloride	46.7	ND	30.9	66	23-150
Naphthalene	46.7	ND	39.7	85	10-130
Styrene	46.7	ND	40.4	86	10-138
Tetrachloroethene	46.7	ND	39.2	84	10-153
Toluene	46.7	ND	37.3	80	10-140
Trichloroethene	46.7	ND	41.2	88	17-148
Trichlorofluoromethane	46.7	ND	41.2	88	31-177
Vinyl acetate	187	ND	92.3J	49	10-131
Vinyl chloride	46.7	ND	48.4	103	30-145
Xylene (Total)	141	ND	119	85	10-143
cis-1,2-Dichloroethene	46.7	ND	38.8	83	29-136
cis-1,3-Dichloropropene	46.7	ND	35.4	76	10-130
n-Butylbenzene	46.7	ND	37.1	79	10-141
n-Hexane	46.7	ND	38.0	81	10-140
n-Propylbenzene	46.7	ND	38.5	82	10-143
p-Isopropyltoluene	46.7	ND	37.9	81	10-146
sec-Butylbenzene	46.7	ND	38.3	82	10-150
tert-Butylbenzene	46.7	ND	32.2	69	10-135
trans-1,2-Dichloroethene	46.7	ND	39.6	85	28-139
trans-1,3-Dichloropropene	46.7	ND	37.2	80	10-126
trans-1,4-Dichloro-2-butene	187	ND	143	77	10-132

Spike Recovery: 0 out of 70 outside limits.

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MSV - FORM III VOA-7
SOLID VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Instrument (2): 50MV3A Matrix Spike Duplicate - Sample No: 1122049MSD
 Lab File ID (2): A070214.BVA18.D Date Analyzed (2): 07/02/2014

COMPOUND	SPIKE ADDED (ug/kg)	MSD CONCENTRATION (ug/kg)	MSD %REC	%RPD	QC LIMITS	
					RPD	REC.
1,1,1,2-Tetrachloroethane	51.5	46.3	90	13	0-20	10-129
1,1,1-Trichloroethane	51.5	43.8	85	10	0-20	26-143
1,1,2,2-Tetrachloroethane	51.5	40.2	78	8	0-20	10-156
1,1,2-Trichloroethane	51.5	42.5	82	9	0-20	13-156
1,1-Dichloroethane	51.5	44.1	86	12	0-20	36-150
1,1-Dichloroethene	51.5	45.7	89	10	0-20	31-146
1,1-Dichloropropene	51.5	43.0	84	10	0-20	26-145
1,2,3-Trichlorobenzene	51.5	40.6	79	2	0-20	10-119
1,2,3-Trichloropropane	51.5	38.7	75	6	0-20	10-168
1,2,4-Trichlorobenzene	51.5	39.6	77	1	0-20	10-122
1,2,4-Trimethylbenzene	51.5	40.8	79	5	0-20	10-139
1,2-Dibromoethane (EDB)	51.5	45.3	88	8	0-20	15-136
1,2-Dichlorobenzene	51.5	40.6	79	4	0-20	10-132
1,2-Dichloroethane	51.5	41.1	80	8	0-20	30-140
1,2-Dichloropropane	51.5	46.1	89	10	0-20	29-135
1,3,5-Trimethylbenzene	51.5	40.3	78	6	0-20	10-143
1,3-Dichlorobenzene	51.5	39.7	77	5	0-20	10-130
1,3-Dichloropropane	51.5	40.8	79	7	0-20	17-139
1,4-Dichlorobenzene	51.5	39.6	77	3	0-20	10-128
2,2-Dichloropropane	51.5	46.7	91	11	0-20	29-136
2-Butanone (MEK)	257	265	103	5	0-20	22-176
2-Chlorotoluene	51.5	39.8	77	6	0-20	10-146
2-Hexanone	257	240	93	3	0-20	12-165
4-Chlorotoluene	51.5	41.3	80	6	0-20	10-138
4-Methyl-2-pentanone (MIBK)	257	216	84	7	0-20	22-155
Acetone	257	385	149	9	0-20	11-200
Acrolein	1030	1410	137	9	0-20	10-200
Acrylonitrile	1030	905	88	9	0-20	20-150
Benzene	51.5	47.1	91	9	0-20	27-140
Bromobenzene	51.5	41.5	81	11	0-20	10-133
Bromochloromethane	51.5	48.5	94	15	0-20	28-142
Bromodichloromethane	51.5	43.5	84	10	0-20	13-139
Bromoform	51.5	40.7	79	7	0-20	10-122
Bromomethane	51.5	45.0	87	20	0-20	10-154
Carbon disulfide	103	95.9	93	12	0-20	20-142
Carbon tetrachloride	51.5	41.8	81	9	0-20	19-135
Chlorobenzene	51.5	41.7	81	8	0-20	10-136
Chloroethane	51.5	56.4	109	11	0-20	24-161
Chloroform	51.5	42.6	83	11	0-20	36-138
Chloromethane	51.5	51.7	100	11	0-20	28-143
Dibromochloromethane	51.5	39.1	76	10	0-20	10-124
Dibromomethane	51.5	42.9	83	11	0-20	24-136
Dichlorodifluoromethane	51.5	36.8	72	10	0-20	15-187
Ethyl methacrylate	206	157	76	13	0-20	10-147
Ethylbenzene	51.5	42.1	82	7	0-20	10-144
Hexachloro-1,3-butadiene	51.5	40.9	79	0	0-20	10-136
Iodomethane	103	103	100		0-20	10-155
Isopropylbenzene (Cumene)	51.5	44.3	86	9	0-20	10-134
Methyl-tert-butyl ether	103	88.0	85	7	0-20	30-147

MSV - FORM III VOA-8
SOLID VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Instrument (2): 50MV3A Matrix Spike Duplicate - Sample No: 1122049MSD
 Lab File ID (2): A070214.BVA18.D Date Analyzed (2): 07/02/2014

COMPOUND	SPIKE ADDED (ug/kg)	MSD CONCENTRATION (ug/kg)	MSD %REC	%RPD	QC LIMITS	
					RPD	REC.
Methylene Chloride	51.5	35.0	68	12	0-20	23-150
Naphthalene	51.5	40.8	79	3	0-20	10-130
Styrene	51.5	43.3	84	7	0-20	10-138
Tetrachloroethene	51.5	42.7	83	8	0-20	10-153
Toluene	51.5	40.5	79	8	0-20	10-140
Trichloroethene	51.5	43.9	85	6	0-20	17-148
Trichlorofluoromethane	51.5	45.7	89	10	0-20	31-177
Vinyl acetate	206	148	72		0-20	10-131
Vinyl chloride	51.5	54.7	106	12	0-20	30-145
Xylene (Total)	154	128	83	7	0-20	10-143
cis-1,2-Dichloroethene	51.5	42.9	83	10	0-20	29-136
cis-1,3-Dichloropropene	51.5	39.3	76	10	0-20	10-130
n-Butylbenzene	51.5	38.1	74	3	0-20	10-141
n-Hexane	51.5	41.7	81	9	0-20	10-140
n-Propylbenzene	51.5	40.6	79	5	0-20	10-143
p-Isopropyltoluene	51.5	39.1	76	3	0-20	10-146
sec-Butylbenzene	51.5	40.5	79	6	0-20	10-150
tert-Butylbenzene	51.5	34.2	66	6	0-20	10-135
trans-1,2-Dichloroethene	51.5	43.3	84	9	0-20	28-139
trans-1,3-Dichloropropene	51.5	40.2	78	8	0-20	10-126
trans-1,4-Dichloro-2-butene	206	151	73	5	0-20	10-132

RPD: 0 out of 68 outside limits.

Spike Recovery: 0 out of 70 outside limits.

07/21/2014 8:53

MSV - FORM III VOA-1
SOLID VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Pace Analytical - Indiana

Matrix Spike - Sample No: 1122066MS

Date Extracted: 07/03/2014

Date Analyzed (1): 07/03/2014

Instrument: 50MV3A

Lab File ID: A070214.B\C20.D

Parent Sample ID: TMW-6(2-4)

SDG No.: 5099688

COMPOUND	SPIKE ADDED (ug/kg)	SAMPLE CONCENTRATION (ug/kg)	MS CONCENTRATION (ug/kg)	MS %REC	QC LIMITS REC.
1,1,1,2-Tetrachloroethane	75.0	ND	54.1	72	10-129
1,1,1-Trichloroethane	75.0	ND	71.0	95	26-143
1,1,2,2-Tetrachloroethane	75.0	ND	39.2	52	10-156
1,1,2-Trichloroethane	75.0	ND	44.7	60	13-156
1,1-Dichloroethane	75.0	ND	62.5	83	36-150
1,1-Dichloroethene	75.0	ND	66.7	89	31-146
1,1-Dichloropropene	75.0	ND	55.0	73	26-145
1,2,3-Trichlorobenzene	75.0	ND	9.0	12	10-119
1,2,3-Trichloropropane	75.0	ND	40.8	54	10-168
1,2,4-Trichlorobenzene	75.0	ND	8.5	11	10-122
1,2,4-Trimethylbenzene	75.0	ND	33.2	44	10-139
1,2-Dibromoethane (EDB)	75.0	ND	34.7	46	15-136
1,2-Dichlorobenzene	75.0	ND	17.4	23	10-132
1,2-Dichloroethane	75.0	ND	47.2	63	30-140
1,2-Dichloropropane	75.0	ND	58.1	77	29-135
1,3,5-Trimethylbenzene	75.0	ND	40.0	53	10-143
1,3-Dichlorobenzene	75.0	ND	16.9	23	10-130
1,3-Dichloropropane	75.0	ND	39.5	53	17-139
1,4-Dichlorobenzene	75.0	ND	14.1	19	10-128
2,2-Dichloropropane	75.0	ND	68.7	92	29-136
2-Butanone (MEK)	375	ND	329	88	22-176
2-Chlorotoluene	75.0	ND	30.4	40	10-146
2-Hexanone	375	ND	219	58	12-165
4-Chlorotoluene	75.0	ND	22.7	30	10-138
4-Methyl-2-pentanone (MIBK)	375	ND	272	72	22-155
Acetone	375	ND	558	149	11-200
Acrolein	1500	ND	1630	108	10-200
Acrylonitrile	1500	ND	1070	71	20-150
Benzene	75.0	ND	57.3	76	27-140
Bromobenzene	75.0	ND	20.6	27	10-133
Bromochloromethane	75.0	ND	52.2	70	28-142
Bromodichloromethane	75.0	ND	51.3	68	13-139
Bromoform	75.0	ND	36.9	49	10-122
Bromomethane	75.0	ND	53.0	71	10-154
Carbon disulfide	150	ND	104	69	20-142
Carbon tetrachloride	75.0	ND	65.7	87	19-135
Chlorobenzene	75.0	ND	29.1	39	10-136
Chloroethane	75.0	ND	84.9	113	24-161
Chloroform	75.0	ND	58.4	78	36-138
Chloromethane	75.0	ND	78.7	105	28-143
Dibromochloromethane	75.0	ND	37.6	50	10-124
Dibromomethane	75.0	ND	41.4	55	24-136
Dichlorodifluoromethane	75.0	ND	62.9	84	15-187
Ethyl methacrylate	301	ND	91.6J	30	10-147
Ethylbenzene	75.0	ND	44.3	59	10-144
Hexachloro-1,3-butadiene	75.0	ND	35.4	47	10-136
Iodomethane	150	ND	92.4J	62	10-155

MSV - FORM III VOA-2
SOLID VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Pace Analytical - Indiana
Date Extracted: 07/03/2014
Instrument: 50MV3A
Parent Sample ID: TMW-6(2-4)

Matrix Spike - Sample No: 1122066MS
Date Analyzed (1): 07/03/2014
Lab File ID: A070214.B\C20.D
SDG No.: 5099688

COMPOUND	SPIKE ADDED (ug/kg)	SAMPLE CONCENTRATION (ug/kg)	MS CONCENTRATION (ug/kg)	MS %REC	QC LIMITS REC.
Isopropylbenzene (Cumene)	75.0	ND	50.7	68	10-134
Methyl-tert-butyl ether	150	ND	129	86	30-147
Methylene Chloride	75.0	ND	39.7	53	23-150
Naphthalene	75.0	ND	6.2J	8	10-130
Styrene	75.0	ND	22.0	29	10-138
Tetrachloroethene	75.0	ND	56.0	75	10-153
Toluene	75.0	ND	43.1	57	10-140
Trichloroethene	75.0	ND	50.9	68	17-148
Trichlorofluoromethane	75.0	ND	78.4	104	31-177
Vinyl acetate	301	ND	81.8J	27	10-131
Vinyl chloride	75.0	ND	79.4	106	30-145
Xylene (Total)	225	ND	123	55	10-143
cis-1,2-Dichloroethene	75.0	ND	44.1	59	29-136
cis-1,3-Dichloropropene	75.0	ND	31.9	43	10-130
n-Butylbenzene	75.0	ND	30.5	41	10-141
n-Hexane	75.0	ND	54.5	73	10-140
n-Propylbenzene	75.0	ND	39.2	52	10-143
p-Isopropyltoluene	75.0	ND	40.0	53	10-146
sec-Butylbenzene	75.0	ND	44.9	60	10-150
tert-Butylbenzene	75.0	ND	41.8	56	10-135
trans-1,2-Dichloroethene	75.0	ND	46.0	61	28-139
trans-1,3-Dichloropropene	75.0	ND	27.6	37	10-126
trans-1,4-Dichloro-2-butene	301	ND	79.8J	27	10-132

Spike Recovery: 1 out of 70 outside limits.

07/21/2014 8:53

MSV - FORM III VOA-3
SOLID VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Instrument (2): 50MV3A Matrix Spike Duplicate - Sample No: 1122067MSD
 Lab File ID (2): A070314.BVA14.D Date Analyzed (2): 07/03/2014

COMPOUND	SPIKE ADDED (ug/kg)	MSD CONCENTRATION (ug/kg)	MSD %REC	%RPD	QC LIMITS	
					RPD	REC.
1,1,1,2-Tetrachloroethane	74.8	56.8	76	5	0-20	10-129
1,1,1-Trichloroethane	74.8	71.9	96	1	0-20	26-143
1,1,2,2-Tetrachloroethane	74.8	47.9	64	20	0-20	10-156
1,1,2-Trichloroethane	74.8	53.3	71	18	0-20	13-156
1,1-Dichloroethane	74.8	65.8	88	5	0-20	36-150
1,1-Dichloroethene	74.8	73.5	98	10	0-20	31-146
1,1-Dichloropropene	74.8	64.2	86	15	0-20	26-145
1,2,3-Trichlorobenzene	74.8	15.5	21	53	0-20	10-119
1,2,3-Trichloropropane	74.8	50.4	67	21	0-20	10-168
1,2,4-Trichlorobenzene	74.8	16.0	21	61	0-20	10-122
1,2,4-Trimethylbenzene	74.8	44.3	59	28	0-20	10-139
1,2-Dibromoethane (EDB)	74.8	49.7	66	36	0-20	15-136
1,2-Dichlorobenzene	74.8	29.2	39	51	0-20	10-132
1,2-Dichloroethane	74.8	55.3	74	16	0-20	30-140
1,2-Dichloropropane	74.8	61.3	82	5	0-20	29-135
1,3,5-Trimethylbenzene	74.8	49.2	66	21	0-20	10-143
1,3-Dichlorobenzene	74.8	29.0	39	53	0-20	10-130
1,3-Dichloropropane	74.8	49.9	67	23	0-20	17-139
1,4-Dichlorobenzene	74.8	26.8	36	62	0-20	10-128
2,2-Dichloropropane	74.8	76.4	102	11	0-20	29-136
2-Butanone (MEK)	374	321	86	3	0-20	22-176
2-Chlorotoluene	74.8	43.6	58	36	0-20	10-146
2-Hexanone	374	276	74	23	0-20	12-165
4-Chlorotoluene	74.8	37.2	50	48	0-20	10-138
4-Methyl-2-pentanone (MIBK)	374	295	79	8	0-20	22-155
Acetone	374	403	108	32	0-20	11-200
Acrolein	1490	1820	122	11	0-20	10-200
Acrylonitrile	1490	1170	78	8	0-20	20-150
Benzene	74.8	65.4	87	13	0-20	27-140
Bromobenzene	74.8	34.7	46	51	0-20	10-133
Bromochloromethane	74.8	59.8	80	14	0-20	28-142
Bromodichloromethane	74.8	56.9	76	10	0-20	13-139
Bromoform	74.8	45.5	61	21	0-20	10-122
Bromomethane	74.8	71.2	95	29	0-20	10-154
Carbon disulfide	149	138	92	28	0-20	20-142
Carbon tetrachloride	74.8	66.6	89	1	0-20	19-135
Chlorobenzene	74.8	43.3	58	39	0-20	10-136
Chloroethane	74.8	90.3	121	6	0-20	24-161
Chloroform	74.8	60.9	81	4	0-20	36-138
Chloromethane	74.8	93.1	124	17	0-20	28-143
Dibromochloromethane	74.8	45.3	61	19	0-20	10-124
Dibromomethane	74.8	47.8	64	14	0-20	24-136
Dichlorodifluoromethane	74.8	103	137	48	0-20	15-187
Ethyl methacrylate	300	175	58		0-20	10-147
Ethylbenzene	74.8	54.4	73	20	0-20	10-144
Hexachloro-1,3-butadiene	74.8	41.1	55	15	0-20	10-136
Iodomethane	149	165	110		0-20	10-155
Isopropylbenzene (Cumene)	74.8	58.3	78	14	0-20	10-134
Methyl-tert-butyl ether	149	122	82	5	0-20	30-147

MSV - FORM III VOA-4
SOLID VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Instrument (2): 50MV3A Matrix Spike Duplicate - Sample No: 1122067MSD
 Lab File ID (2): A070314.BA14.D Date Analyzed (2): 07/03/2014

COMPOUND	SPIKE ADDED (ug/kg)	MSD CONCENTRATION (ug/kg)	MSD %REC	%RPD	QC LIMITS	
					RPD	REC.
Methylene Chloride	74.8	46.5	62	16	0-20	23-150
Naphthalene	74.8	15.7	21		0-20	10-130
Styrene	74.8	37.8	50	53	0-20	10-138
Tetrachloroethene	74.8	60.5	81	8	0-20	10-153
Toluene	74.8	54.5	73	23	0-20	10-140
Trichloroethene	74.8	59.0	79	15	0-20	17-148
Trichlorofluoromethane	74.8	83.0	111	6	0-20	31-177
Vinyl acetate	300	115J	38		0-20	10-131
Vinyl chloride	74.8	93.3	125	16	0-20	30-145
Xylene (Total)	225	156	69	24	0-20	10-143
cis-1,2-Dichloroethene	74.8	54.0	72	20	0-20	29-136
cis-1,3-Dichloropropene	74.8	45.0	60	34	0-20	10-130
n-Butylbenzene	74.8	42.4	57	33	0-20	10-141
n-Hexane	74.8	67.1	90	21	0-20	10-140
n-Propylbenzene	74.8	51.4	69	27	0-20	10-143
p-Isopropyltoluene	74.8	48.8	65	20	0-20	10-146
sec-Butylbenzene	74.8	54.2	72	19	0-20	10-150
tert-Butylbenzene	74.8	46.9	63	12	0-20	10-135
trans-1,2-Dichloroethene	74.8	57.8	77	23	0-20	28-139
trans-1,3-Dichloropropene	74.8	41.7	56	41	0-20	10-126
trans-1,4-Dichloro-2-butene	300	144J	48		0-20	10-132

RPD: 29 out of 65 outside limits.

Spike Recovery: 0 out of 70 outside limits.

07/21/2014 8:53

MSV - FORM IV VOA-1
VOLATILE METHOD BLANK SUMMARY

SAMPLE NO.

1121182BLANK

Lab Name: Pace Analytical - Indiana SDG No.: 5099688 Contract: Sibley-Accucast/2339-356-
Instrument ID: 50MV4B Matrix: Water Lab Sample ID: 1121182
Lab File ID: B070114.B\B04MB.D Date Analyzed: 07/01/2014 Time: 13:33

SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	ANALYZED
1121183LCS	1121183	B070114.B\B02LCS.D	07/01/2014 12:28
SOIL EQ BLANK	5099688013	B070114.B\B13.D	07/01/2014 18:25

MSV - FORM IV VOA-1
VOLATILE METHOD BLANK SUMMARY

SAMPLE NO.

1122044BLANK

Lab Name: Pace Analytical - Indiana SDG No.: 5099688 Contract: Sibley-Accucast/2339-356-
Instrument ID: 50MV3A Matrix: Solid Lab Sample ID: 1122044
Lab File ID: A070214.B\A03MBSX.D Date Analyzed: 07/02/2014 Time: 11:09

SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	ANALYZED
1122045LCS	1122045	A070214.B\A02LCSSX.D	07/02/2014 10:36
TMW-5(12-14)	5099688001	A070214.B\A16.D	07/02/2014 18:11
1122048MS	1122048	A070214.B\A17.D	07/02/2014 18:43
1122049MSD	1122049	A070214.B\A18.D	07/02/2014 19:16
TMW-5(2-4)	5099688002	A070214.B\A19.D	07/02/2014 19:48
TMW-4(14-16)	5099688003	A070214.B\A20.D	07/02/2014 20:21
TMW-4(5-7)	5099688004	A070214.B\A21.D	07/02/2014 20:53

MSV - FORM IV VOA-1
VOLATILE METHOD BLANK SUMMARY

SAMPLE NO.

1122064BLANK

Lab Name: Pace Analytical - Indiana SDG No.: 5099688 Contract: Sibley-Accucast/2339-356-
Instrument ID: 50MV3A Matrix: Solid Lab Sample ID: 1122064
Lab File ID: A070214.B\C03MBS.D Date Analyzed: 07/02/2014 Time: 23:03

SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	ANALYZED
1122065LCS	1122065	A070214.B\C02LCSS.D	07/02/2014 22:31
P-5(10-12)	5099688005	A070214.B\C14.D	07/03/2014 05:01
P-5(2-4)	5099688006	A070214.B\C15.D	07/03/2014 05:33
TMW-6(14-16)	5099688007	A070214.B\C16.D	07/03/2014 06:05
P-6(10-12)	5099688009	A070214.B\C17.D	07/03/2014 06:38
P-6(2-4)	5099688010	A070214.B\C18.D	07/03/2014 07:10
TMW-6(2-4)	5099688008	A070214.B\C19.D	07/03/2014 07:43
1122066MS	1122066	A070214.B\C20.D	07/03/2014 08:15
1122067MSD	1122067	A070314.B\A14.D	07/03/2014 17:27

MSV - FORM V VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET
PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Pace Analytical - Indiana SDG No.: 5099688 Contract: Sibley-Accucast/2339-356-
 Lab File ID: A061914CAL.BVA00BFB.D BFB Injection Date: 06/19/2014
 Instrument ID: 50MV3A BFB Injection Time: 13:56

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.00 - 40.00% of mass 95	20.76
75	30.00 - 60.00% of mass 95	54.27
95	Base Peak, 100.00% relative abundance	100.00
96	5.00 - 9.00% of mass 95	6.27
173	Less than 2.00% of mass 174	0.00
174	50.00 - 100.00% of mass 95	90.96
175	5.00 - 9.00% of mass 174	6.92 (7.61) ¹
176	95.00 - 101.00% of mass 174	89.82 (98.75) ¹
177	5.00 - 9.00% of mass 176	5.87 (6.53) ²

1 - Value is % mass 174

2 - Value is % mass 176

SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
6881332CAL1	6881332CAL1	A061914CAL.BVA01CAL.D	06/19/2014	14:46
6881336CAL2	6881336CAL2	A061914CAL.BVA02CAL.D	06/19/2014	15:18
6881328CAL3	6881328CAL3	A061914CAL.BVA03CAL.D	06/19/2014	15:51
6881334CAL4	6881334CAL4	A061914CAL.BVA04CAL.D	06/19/2014	16:23
6881333CAL5	6881333CAL5	A061914CAL.BVA05CAL.D	06/19/2014	16:55
6881330CAL6	6881330CAL6	A061914CAL.BVA06CAL.D	06/19/2014	17:28
6881325CAL7	6881325CAL7	A061914CAL.BVA07CAL.D	06/19/2014	18:00
6881335CAL8	6881335CAL8	A061914CAL.BVA08CAL.D	06/19/2014	18:33
6881326ICV	6881326ICV	A061914CAL.BVA10ICV.D	06/19/2014	19:38

MSV - FORM V VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET
PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Pace Analytical - Indiana SDG No.: 5099688 Contract: Sibley-Accucast/2339-356-
 Lab File ID: A070214.BVA00BFB.D BFB Injection Date: 07/02/2014
 Instrument ID: 50MV3A BFB Injection Time: 09:31

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.00 - 40.00% of mass 95	20.03
75	30.00 - 60.00% of mass 95	52.43
95	Base Peak, 100.00% relative abundance	100.00
96	5.00 - 9.00% of mass 95	6.70
173	Less than 2.00% of mass 174	0.00
174	50.00 - 100.00% of mass 95	92.05
175	5.00 - 9.00% of mass 174	7.22 (7.84) ¹
176	95.00 - 101.00% of mass 174	91.30 (99.18) ¹
177	5.00 - 9.00% of mass 176	5.67 (6.21) ²

1 - Value is % mass 174

2 - Value is % mass 176

SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
1122045LCS	1122045LCS	A070214.BVA02LCSSX.D	07/02/2014	10:36
1122044BLANK	1122044BLANK	A070214.BVA03MBSX.D	07/02/2014	11:09
TMW-5(12-14)	5099688001	A070214.BVA16.D	07/02/2014	18:11
1122048MS	1122048MS	A070214.BVA17.D	07/02/2014	18:43
1122049MSD	1122049MSD	A070214.BVA18.D	07/02/2014	19:16
TMW-5(2-4)	5099688002	A070214.BVA19.D	07/02/2014	19:48
TMW-4(14-16)	5099688003	A070214.BVA20.D	07/02/2014	20:21
TMW-4(5-7)	5099688004	A070214.BVA21.D	07/02/2014	20:53

MSV - FORM V VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET
PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Pace Analytical - Indiana SDG No.: 5099688 Contract: Sibley-Accucast/2339-356-
 Lab File ID: A070214.B\C00BFB.D BFB Injection Date: 07/02/2014
 Instrument ID: 50MV3A BFB Injection Time: 21:26

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.00 - 40.00% of mass 95	18.40
75	30.00 - 60.00% of mass 95	50.81
95	Base Peak, 100.00% relative abundance	100.00
96	5.00 - 9.00% of mass 95	6.53
173	Less than 2.00% of mass 174	0.00
174	50.00 - 100.00% of mass 95	95.43
175	5.00 - 9.00% of mass 174	6.68 (7.00) ¹
176	95.00 - 101.00% of mass 174	92.59 (97.02) ¹
177	5.00 - 9.00% of mass 176	5.79 (6.25) ²

1 - Value is % mass 174

2 - Value is % mass 176

SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
1122065LCS	1122065LCS	A070214.B\C02LCSS.D	07/02/2014	22:31
1122064BLANK	1122064BLANK	A070214.B\C03MBS.D	07/02/2014	23:03
P-5(10-12)	5099688005	A070214.B\C14.D	07/03/2014	05:01
P-5(2-4)	5099688006	A070214.B\C15.D	07/03/2014	05:33
TMW-6(14-16)	5099688007	A070214.B\C16.D	07/03/2014	06:05
P-6(10-12)	5099688009	A070214.B\C17.D	07/03/2014	06:38
P-6(2-4)	5099688010	A070214.B\C18.D	07/03/2014	07:10
TMW-6(2-4)	5099688008	A070214.B\C19.D	07/03/2014	07:43
1122066MS	1122066MS	A070214.B\C20.D	07/03/2014	08:15

MSV - FORM V VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET
PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Pace Analytical - Indiana SDG No.: 5099688 Contract: Sibley-Accucast/2339-356-
Lab File ID: A070314.BVA00BFB.D BFB Injection Date: 07/03/2014
Instrument ID: 50MV3A BFB Injection Time: 09:52

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.00 - 40.00% of mass 95	19.30
75	30.00 - 60.00% of mass 95	53.22
95	Base Peak, 100.00% relative abundance	100.00
96	5.00 - 9.00% of mass 95	6.74
173	Less than 2.00% of mass 174	0.00
174	50.00 - 100.00% of mass 95	94.58
175	5.00 - 9.00% of mass 174	7.02 (7.42) ¹
176	95.00 - 101.00% of mass 174	92.74 (98.05) ¹
177	5.00 - 9.00% of mass 176	6.24 (6.73) ²

1 - Value is % mass 174

2 - Value is % mass 176

SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
6929190CCV	6929190CCV	A070314.BVA01CCV.D	07/03/2014	10:24
1122067MSD	1122067MSD	A070314.BVA14.D	07/03/2014	17:27

MSV - FORM V VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET
PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Pace Analytical - Indiana SDG No.: 5099688 Contract: Sibley-Accucast/2339-356-
 Lab File ID: B062514CAL.B\B00BFB.D BFB Injection Date: 06/25/2014
 Instrument ID: 50MV4B BFB Injection Time: 15:07

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.00 - 40.00% of mass 95	25.77
75	30.00 - 60.00% of mass 95	46.89
95	Base Peak, 100.00% relative abundance	100.00
96	5.00 - 9.00% of mass 95	6.49
173	Less than 2.00% of mass 174	1.05 (1.26) ¹
174	50.00 - 100.00% of mass 95	83.50
175	5.00 - 9.00% of mass 174	6.80 (8.15) ¹
176	95.00 - 101.00% of mass 174	82.99 (99.39) ¹
177	5.00 - 9.00% of mass 176	5.44 (6.56) ²

1 - Value is % mass 174

2 - Value is % mass 176

SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
6906934CAL1	6906934CAL1	B062514CAL.B\B02.D	06/25/2014	16:12
6906939CAL2	6906939CAL2	B062514CAL.B\B03.D	06/25/2014	16:44
6906936CAL3	6906936CAL3	B062514CAL.B\B04.D	06/25/2014	17:16
6906932CAL4	6906932CAL4	B062514CAL.B\B05.D	06/25/2014	17:49
6906944CAL5	6906944CAL5	B062514CAL.B\B06.D	06/25/2014	18:21
6906940CAL6	6906940CAL6	B062514CAL.B\B07.D	06/25/2014	18:54
6906937CAL7	6906937CAL7	B062514CAL.B\B08.D	06/25/2014	19:26
6906942CAL8	6906942CAL8	B062514CAL.B\B09.D	06/25/2014	19:58
6906933ICV	6906933ICV	B062514CAL.B\B11ICV.D	06/25/2014	21:03

MSV - FORM V VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET
PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Pace Analytical - Indiana SDG No.: 5099688 Contract: Sibley-Accucast/2339-356-
 Lab File ID: B070114.B\B00BFB.D BFB Injection Date: 07/01/2014
 Instrument ID: 50MV4B BFB Injection Time: 11:23

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.00 - 40.00% of mass 95	28.04
75	30.00 - 60.00% of mass 95	47.95
95	Base Peak, 100.00% relative abundance	100.00
96	5.00 - 9.00% of mass 95	6.80
173	Less than 2.00% of mass 174	0.77 (0.92) ¹
174	50.00 - 100.00% of mass 95	83.25
175	5.00 - 9.00% of mass 174	6.36 (7.64) ¹
176	95.00 - 101.00% of mass 174	81.75 (98.20) ¹
177	5.00 - 9.00% of mass 176	5.17 (6.32) ²

1 - Value is % mass 174

2 - Value is % mass 176

SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
6931425CCV	6931425CCV	B070114.B\B02CCV.D	07/01/2014	12:28
1121183LCS	1121183LCS	B070114.B\B02LCS.D	07/01/2014	12:28
1121182BLANK	1121182BLANK	B070114.B\B04MB.D	07/01/2014	13:33
SOIL EQ BLANK	5099688013	B070114.B\B13.D	07/01/2014	18:25

MSV - FORM VI VOA-1
MSV INITIAL CALIBRATION DATA

Lab Name: Pace Analytical - Indiana Instrument ID: 50MV3A GC Column: Col 1 SDG No.: 5099688
 Calibration Date(s): 06/19/2014 06/19/2014 Calibration Time(s): 14:46 18:33

LAB FILE ID

CAL1 = A061914CAL.BVA01CAL.D CAL2 = A061914CAL.BVA02CAL.D CAL3 = A061914CAL.BVA03CAL.D
 CAL4 = A061914CAL.BVA04CAL.D CAL5 = A061914CAL.BVA05CAL.D CAL6 = A061914CAL.BVA06CAL.D
 CAL7 = A061914CAL.BVA07CAL.D CAL8 = A061914CAL.BVA08CAL.D

COMPOUND	CURVE TYPE	CAL1	CAL2	CAL3	CAL4	CAL5	CAL6
Acetone	Averaged	0.00000	0.00000	0.05119	0.03842	0.04411	0.03836
Acrolein	Averaged	0.00000	0.00000	0.01841	0.01879	0.01606	0.01808
Acrylonitrile	Averaged	0.00000	0.04535	0.05097	0.04659	0.06100	0.05447
Benzene	Averaged	0.91229	1.09929	1.15557	1.08308	1.31729	1.17366
Bromobenzene	Averaged	0.00000	0.00000	0.74219	0.69594	0.83441	0.75598
Bromochloromethane	Averaged	0.00000	0.00000	0.15343	0.15237	0.19298	0.16660
Bromodichloromethane	Averaged	0.00000	0.00000	0.27932	0.27650	0.34329	0.33683
Bromoform	Linear	0.00000	0.00000	0.21163	0.19410	0.27758	0.28901
Bromomethane	Linear	0.00000	0.00000	0.01464	0.05516	0.08721	0.12026
2-Butanone (MEK)	Averaged	0.00000	0.00000	0.05796	0.05943	0.07728	0.07185
n-Butylbenzene	Averaged	0.00000	3.43618	3.67611	3.53425	4.22467	3.75637
sec-Butylbenzene	Averaged	0.00000	4.57194	4.67322	4.48400	5.35251	4.79004
tert-Butylbenzene	Averaged	0.00000	3.37015	3.74224	3.58537	4.28574	3.89562
Carbon disulfide	Averaged	0.00000	0.00000	0.81471	0.73748	0.85545	0.75757
Carbon tetrachloride	Linear	0.00000	0.00000	0.19669	0.24340	0.33789	0.34218
Chlorobenzene	Averaged	0.00000	0.00000	1.16436	1.06840	1.29603	1.17263
Chloroethane	Averaged	0.00000	0.00000	0.15168	0.18806	0.16595	0.18530
Chloroform	Averaged	0.00000	0.00000	0.49388	0.45915	0.56195	0.51524
Chloromethane	Averaged	0.00000	0.00000	0.31371	0.36054	0.29390	0.31059
2-Chlorotoluene	Averaged	0.00000	2.60912	2.74648	2.54547	3.00990	2.68844
4-Chlorotoluene	Averaged	0.00000	0.88484	0.90928	0.92434	1.04977	0.92973
Dibromochloromethane	Linear	0.00000	0.17049	0.22583	0.21461	0.28751	0.28738
1,2-Dibromoethane (EDB)	Averaged	0.00000	0.00000	0.17725	0.17688	0.24177	0.23925
Dibromomethane	Averaged	0.00000	0.00000	0.09405	0.09962	0.12322	0.11842
1,2-Dichlorobenzene	Averaged	0.00000	1.77380	1.70731	1.56040	1.91137	1.69320
1,3-Dichlorobenzene	Averaged	0.00000	2.01895	1.97626	1.82297	2.10865	1.86697
1,4-Dichlorobenzene	Averaged	0.00000	1.97520	2.00271	1.80082	2.15487	1.90121
trans-1,4-Dichloro-2-butene	Linear	0.00000	0.00000	0.01873	0.03955	0.06142	0.06374
Dichlorodifluoromethane	Averaged	0.00000	0.00000	0.36383	0.41752	0.34775	0.38564
1,1-Dichloroethane	Averaged	0.00000	0.00000	0.51954	0.45457	0.56863	0.53117
1,2-Dichloroethane	Averaged	0.00000	0.00000	0.31546	0.27891	0.35260	0.32367
1,1-Dichloroethene	Averaged	0.00000	0.00000	0.25594	0.24516	0.28853	0.26201
cis-1,2-Dichloroethene	Averaged	0.00000	0.00000	0.28644	0.27756	0.35120	0.31202
trans-1,2-Dichloroethene	Averaged	0.00000	0.00000	0.26588	0.28697	0.34095	0.30994
1,2-Dichloropropane	Averaged	0.00000	0.00000	0.22585	0.23822	0.28039	0.26286

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

MSV - FORM VI VOA-2
MSV INITIAL CALIBRATION DATA

Lab Name: Pace Analytical - Indiana Instrument ID: 50MV3A GC Column: Col 1 SDG No.: 5099688
 Calibration Date(s): 06/19/2014 06/19/2014 Calibration Time(s): 14:46 18:33

LAB FILE ID

CAL1 = A061914CAL.BVA01CAL.D CAL2 = A061914CAL.BVA02CAL.D CAL3 = A061914CAL.BVA03CAL.D
 CAL4 = A061914CAL.BVA04CAL.D CAL5 = A061914CAL.BVA05CAL.D CAL6 = A061914CAL.BVA06CAL.D
 CAL7 = A061914CAL.BVA07CAL.D CAL8 = A061914CAL.BVA08CAL.D

COMPOUND	CURVE TYPE	CAL1	CAL2	CAL3	CAL4	CAL5	CAL6
1,3-Dichloropropane	Averaged	0.00000	0.00000	0.47316	0.42392	0.53056	0.46253
2,2-Dichloropropane	Linear	0.00000	0.00000	0.24775	0.24040	0.32919	0.34065
1,1-Dichloropropene	Averaged	0.00000	0.00000	0.42348	0.40335	0.50124	0.45439
cis-1,3-Dichloropropene	Linear	0.00000	0.00000	0.39362	0.37056	0.51526	0.51973
trans-1,3-Dichloropropene	Linear	0.00000	0.00000	0.22323	0.24687	0.34061	0.38093
Ethylbenzene	Averaged	0.00000	0.58365	0.69862	0.64721	0.79233	0.72791
Ethyl methacrylate	Linear	0.00000	0.00000	0.19245	0.21105	0.31641	0.34261
Hexachloro-1,3-butadiene	Averaged	0.00000	0.66941	0.72274	0.77253	0.88866	0.81974
n-Hexane	Averaged	0.00000	0.00000	0.51175	0.48273	0.58968	0.52518
2-Hexanone	Averaged	0.00000	0.00000	0.12867	0.12804	0.16521	0.15592
Iodomethane	Linear	0.00000	0.00000	0.00793	0.05831	0.11053	0.16161
Isopropylbenzene (Cumene)	Averaged	0.00000	2.05296	2.20562	2.03165	2.53551	2.27420
p-Isopropyltoluene	Averaged	0.00000	3.84311	4.06851	3.90975	4.63720	4.16266
Methylene Chloride	Linear	3.10447	1.59391	0.94987	0.51131	0.44515	0.32714
4-Methyl-2-pentanone (MIBK)	Averaged	0.00000	0.00000	0.19750	0.18911	0.24484	0.22941
Methyl-tert-butyl ether	Averaged	0.00000	0.55109	0.57039	0.53231	0.68814	0.62946
Naphthalene	Averaged	1.60357	2.25007	2.13905	1.96006	2.41061	2.22052
n-Propylbenzene	Averaged	0.00000	4.79728	4.66000	4.61737	5.39471	4.80783
Styrene	Averaged	0.00000	1.11770	1.27320	1.18142	1.50503	1.36403
1,1,1,2-Tetrachloroethane	Averaged	0.00000	0.00000	0.28367	0.26714	0.35699	0.36428
1,1,2,2-Tetrachloroethane	Averaged	0.00000	0.00000	0.52976	0.46906	0.61466	0.54273
Tetrachloroethene	Averaged	0.00000	0.00000	0.49411	0.48597	0.59585	0.54846
Toluene	Averaged	0.00000	1.82623	1.86632	1.75235	2.09876	1.90161
1,2,3-Trichlorobenzene	Averaged	0.00000	1.04662	1.16025	1.05230	1.23020	1.10402
1,2,4-Trichlorobenzene	Averaged	0.00000	1.09862	1.30439	1.16368	1.36023	1.25042
1,1,1-Trichloroethane	Averaged	0.00000	0.00000	0.40642	0.37418	0.48604	0.45825
1,1,2-Trichloroethane	Averaged	0.00000	0.00000	0.19097	0.19293	0.22962	0.21615
Trichloroethene	Averaged	0.00000	0.00000	0.28644	0.27051	0.33891	0.31452
Trichlorofluoromethane	Averaged	0.00000	0.00000	0.52021	0.52507	0.44567	0.48989
1,2,3-Trichloropropane	Linear	0.00000	0.00000	0.10446	0.15630	0.19348	0.17685
1,2,4-Trimethylbenzene	Averaged	0.00000	3.21745	3.48041	3.36385	3.99093	3.60505
1,3,5-Trimethylbenzene	Averaged	0.00000	3.39573	3.40851	3.33457	3.97938	3.59281
Vinyl acetate	Linear	0.00000	0.00000	0.26659	0.30450	0.28014	0.34275
Vinyl chloride	Linear	0.00000	0.11742	0.28899	0.33860	0.27952	0.31661
m&p-Xylene	Averaged	0.00000	0.76610	0.83165	0.79055	0.97152	0.87691

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

MSV - FORM VI VOA-3
MSV INITIAL CALIBRATION DATA

Lab Name: Pace Analytical - Indiana Instrument ID: 50MV3A GC Column: Col 1 SDG No.: 5099688
 Calibration Date(s): 06/19/2014 06/19/2014 Calibration Time(s): 14:46 18:33

LAB FILE ID

CAL1 = A061914CAL.BVA01CAL.D CAL2 = A061914CAL.BVA02CAL.D CAL3 = A061914CAL.BVA03CAL.D
 CAL4 = A061914CAL.BVA04CAL.D CAL5 = A061914CAL.BVA05CAL.D CAL6 = A061914CAL.BVA06CAL.D
 CAL7 = A061914CAL.BVA07CAL.D CAL8 = A061914CAL.BVA08CAL.D

COMPOUND	CURVE TYPE	CAL1	CAL2	CAL3	CAL4	CAL5	CAL6
o-Xylene	Averaged	0.00000	0.73333	0.80597	0.70637	0.90548	0.81002
4-Bromofluorobenzene (S)	Averaged	0.45265	0.45865	0.45416	0.47061	0.47299	0.47224
Dibromofluoromethane (S)	Averaged	0.23967	0.22777	0.23250	0.22230	0.22848	0.23067
Toluene-d8 (S)	Averaged	1.33594	1.31558	1.30859	1.34493	1.33889	1.37348

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

07/21/2014 8:54

MSV - FORM VI VOA-4
MSV INITIAL CALIBRATION DATA

Lab Name: Pace Analytical - Indiana Instrument ID: 50MV3A GC Column: Col 1 SDG No.: 5099688
 Calibration Date(s): 06/19/2014 06/19/2014 Calibration Time(s): 14:46 18:33

LAB FILE ID

CAL1 = A061914CAL.BVA01CAL.D CAL2 = A061914CAL.BVA02CAL.D CAL3 = A061914CAL.BVA03CAL.D
 CAL4 = A061914CAL.BVA04CAL.D CAL5 = A061914CAL.BVA05CAL.D CAL6 = A061914CAL.BVA06CAL.D
 CAL7 = A061914CAL.BVA07CAL.D CAL8 = A061914CAL.BVA08CAL.D

COMPOUND	CURVE TYPE	CAL7	CAL8
Acetone	Averaged	0.04528	0.04474
Acrolein	Averaged	0.02069	0.02197
Acrylonitrile	Averaged	0.06125	0.06038
Benzene	Averaged	1.26937	1.25953
Bromobenzene	Averaged	0.81267	0.79449
Bromochloromethane	Averaged	0.15896	0.15015
Bromodichloromethane	Averaged	0.39047	0.39652
Bromoform	Linear	0.36770	0.38709
Bromomethane	Linear	0.17218	0.19016
2-Butanone (MEK)	Averaged	0.08267	0.07865
n-Butylbenzene	Averaged	3.96418	3.95829
sec-Butylbenzene	Averaged	5.03821	4.99047
tert-Butylbenzene	Averaged	4.18810	4.27358
Carbon disulfide	Averaged	0.79540	0.80921
Carbon tetrachloride	Linear	0.42528	0.44625
Chlorobenzene	Averaged	1.24604	1.21639
Chloroethane	Averaged	0.20984	0.21679
Chloroform	Averaged	0.55885	0.55389
Chloromethane	Averaged	0.32793	0.37002
2-Chlorotoluene	Averaged	2.86377	2.87535
4-Chlorotoluene	Averaged	0.98500	1.03421
Dibromochloromethane	Linear	0.33890	0.33828
1,2-Dibromoethane (EDB)	Averaged	0.26822	0.25733
Dibromomethane	Averaged	0.13378	0.13237
1,2-Dichlorobenzene	Averaged	1.76699	1.81548
1,3-Dichlorobenzene	Averaged	2.01380	2.03925
1,4-Dichlorobenzene	Averaged	1.98927	1.98774
trans-1,4-Dichloro-2-butene	Linear	0.08087	0.08481
Dichlorodifluoromethane	Averaged	0.39883	0.41035
1,1-Dichloroethane	Averaged	0.57911	0.58006
1,2-Dichloroethane	Averaged	0.36014	0.35574
1,1-Dichloroethene	Averaged	0.29219	0.29182
cis-1,2-Dichloroethene	Averaged	0.34708	0.34612
trans-1,2-Dichloroethene	Averaged	0.34109	0.34601
1,2-Dichloropropane	Averaged	0.29343	0.29628

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

MSV - FORM VI VOA-5
MSV INITIAL CALIBRATION DATA

Lab Name: Pace Analytical - Indiana Instrument ID: 50MV3A GC Column: Col 1 SDG No.: 5099688
 Calibration Date(s): 06/19/2014 06/19/2014 Calibration Time(s): 14:46 18:33

LAB FILE ID

CAL1 = A061914CAL.BVA01CAL.D CAL2 = A061914CAL.BVA02CAL.D CAL3 = A061914CAL.BVA03CAL.D
 CAL4 = A061914CAL.BVA04CAL.D CAL5 = A061914CAL.BVA05CAL.D CAL6 = A061914CAL.BVA06CAL.D
 CAL7 = A061914CAL.BVA07CAL.D CAL8 = A061914CAL.BVA08CAL.D

COMPOUND	CURVE TYPE	CAL7	CAL8
1,3-Dichloropropane	Averaged	0.50784	0.48462
2,2-Dichloropropane	Linear	0.42358	0.46621
1,1-Dichloropropene	Averaged	0.50645	0.49959
cis-1,3-Dichloropropene	Linear	0.61037	0.60599
trans-1,3-Dichloropropene	Linear	0.47081	0.48555
Ethylbenzene	Averaged	0.76695	0.76467
Ethyl methacrylate	Linear	0.40607	0.39650
Hexachloro-1,3-butadiene	Averaged	0.86295	0.84168
n-Hexane	Averaged	0.57408	0.57083
2-Hexanone	Averaged	0.18267	0.17011
Iodomethane	Linear	0.20475	
Isopropylbenzene (Cumene)	Averaged	2.42891	2.38618
p-Isopropyltoluene	Averaged	4.41406	4.45971
Methylene Chloride	Linear	0.31528	0.31407
4-Methyl-2-pentanone (MIBK)	Averaged	0.25785	0.24254
Methyl-tert-butyl ether	Averaged	0.72250	0.72666
Naphthalene	Averaged	2.43152	2.36982
n-Propylbenzene	Averaged	5.13975	5.12254
Styrene	Averaged	1.47232	1.45369
1,1,1,2-Tetrachloroethane	Averaged	0.42596	0.43468
1,1,2,2-Tetrachloroethane	Averaged	0.61606	0.59880
Tetrachloroethene	Averaged	0.57339	0.56265
Toluene	Averaged	1.96341	1.89022
1,2,3-Trichlorobenzene	Averaged	1.17011	1.14480
1,2,4-Trichlorobenzene	Averaged	1.32077	1.31305
1,1,1-Trichloroethane	Averaged	0.52343	0.53857
1,1,2-Trichloroethane	Averaged	0.22744	0.21932
Trichloroethene	Averaged	0.34483	0.34373
Trichlorofluoromethane	Averaged	0.53966	0.57476
1,2,3-Trichloropropane	Linear	0.19885	0.19498
1,2,4-Trimethylbenzene	Averaged	3.80806	3.89534
1,3,5-Trimethylbenzene	Averaged	3.84767	3.86397
Vinyl acetate	Linear	0.41190	0.43109
Vinyl chloride	Linear	0.33244	
m&p-Xylene	Averaged	0.92339	0.91007

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

MSV - FORM VI VOA-6
MSV INITIAL CALIBRATION DATA

Lab Name: Pace Analytical - Indiana Instrument ID: 50MV3A GC Column: Col 1 SDG No.: 5099688
Calibration Date(s): 06/19/2014 06/19/2014 Calibration Time(s): 14:46 18:33

LAB FILE ID

CAL1 = A061914CAL.BVA01CAL.D CAL2 = A061914CAL.BVA02CAL.D CAL3 = A061914CAL.BVA03CAL.D
CAL4 = A061914CAL.BVA04CAL.D CAL5 = A061914CAL.BVA05CAL.D CAL6 = A061914CAL.BVA06CAL.D
CAL7 = A061914CAL.BVA07CAL.D CAL8 = A061914CAL.BVA08CAL.D

COMPOUND	CURVE TYPE	CAL7	CAL8
o-Xylene	Averaged	0.86332	0.85031
4-Bromofluorobenzene (S)	Averaged	0.47298	0.47563
Dibromofluoromethane (S)	Averaged	0.23911	0.23910
Toluene-d8 (S)	Averaged	1.30746	1.29834

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

07/21/2014 8:54

MSV - FORM VI VOA-7
MSV INITIAL CALIBRATION DATA

Lab Name: Pace Analytical - Indiana Instrument ID: 50MV3A GC Column: Col 1 SDG No.: 5099688
 Calibration Date(s): 06/19/2014 06/19/2014 Calibration Time(s): 14:46 18:33

LAB FILE ID

CAL1 = A061914CAL.BVA01CAL.D CAL2 = A061914CAL.BVA02CAL.D CAL3 = A061914CAL.BVA03CAL.D
 CAL4 = A061914CAL.BVA04CAL.D CAL5 = A061914CAL.BVA05CAL.D CAL6 = A061914CAL.BVA06CAL.D
 CAL7 = A061914CAL.BVA07CAL.D CAL8 = A061914CAL.BVA08CAL.D

COMPOUND	CURVE TYPE	%RSD	R2	A1	A2	A3
Acetone	Averaged	11.03545			0.04368	
Acrolein	Averaged	10.92674			0.01900	
Acrylonitrile	Averaged	12.59895			0.05429	
Benzene	Averaged	11.19345			1.15876	
Bromobenzene	Averaged	6.59549			0.77261	
Bromochloromethane	Averaged	9.91147			0.16241	
Bromodichloromethane	Averaged	15.37047			0.33715	
Bromoform	Linear		0.99884	-0.05304	0.39289	
Bromomethane	Linear		0.99738	-0.04272	0.19453	
2-Butanone (MEK)	Averaged	14.55242			0.07131	
n-Butylbenzene	Averaged	7.23840			3.79286	
sec-Butylbenzene	Averaged	6.27122			4.84291	
tert-Butylbenzene	Averaged	9.20611			3.90583	
Carbon disulfide	Averaged	5.32320			0.79497	
Carbon tetrachloride	Linear		0.99907	-0.05723	0.45256	
Chlorobenzene	Averaged	6.56594			1.19398	
Chloroethane	Averaged	13.36831			0.18627	
Chloroform	Averaged	7.98003			0.52383	
Chloromethane	Averaged	9.08790			0.32945	
2-Chlorotoluene	Averaged	5.92146			2.76265	
4-Chlorotoluene	Averaged	6.67291			0.95960	
Dibromochloromethane	Linear		0.99955	-0.02179	0.34205	
1,2-Dibromoethane (EDB)	Averaged	17.60923			0.22678	
Dibromomethane	Averaged	14.24961			0.11691	
1,2-Dichlorobenzene	Averaged	6.27562			1.74694	
1,3-Dichlorobenzene	Averaged	5.06137			1.97812	
1,4-Dichlorobenzene	Averaged	5.44470			1.97312	
trans-1,4-Dichloro-2-butene	Linear		0.99912	-0.01231	0.08630	
Dichlorodifluoromethane	Averaged	7.01883			0.38732	
1,1-Dichloroethane	Averaged	8.99325			0.53885	
1,2-Dichloroethane	Averaged	9.48944			0.33109	
1,1-Dichloroethene	Averaged	7.60630			0.27261	
cis-1,2-Dichloroethene	Averaged	10.24830			0.32007	
trans-1,2-Dichloroethene	Averaged	10.56152			0.31514	
1,2-Dichloropropane	Averaged	10.97886			0.26617	

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

MSV - FORM VI VOA-8
MSV INITIAL CALIBRATION DATA

Lab Name: Pace Analytical - Indiana Instrument ID: 50MV3A GC Column: Col 1 SDG No.: 5099688
 Calibration Date(s): 06/19/2014 06/19/2014 Calibration Time(s): 14:46 18:33

LAB FILE ID

CAL1 = A061914CAL.BVA01CAL.D CAL2 = A061914CAL.BVA02CAL.D CAL3 = A061914CAL.BVA03CAL.D
 CAL4 = A061914CAL.BVA04CAL.D CAL5 = A061914CAL.BVA05CAL.D CAL6 = A061914CAL.BVA06CAL.D
 CAL7 = A061914CAL.BVA07CAL.D CAL8 = A061914CAL.BVA08CAL.D

COMPOUND	CURVE TYPE	%RSD	R2	A1	A2	A3
1,3-Dichloropropane	Averaged	7.70367			0.48044	
2,2-Dichloropropane	Linear		0.99775	-0.07088	0.47089	
1,1-Dichloropropene	Averaged	9.55776			0.46475	
cis-1,3-Dichloropropene	Linear		0.99960	-0.04567	0.61499	
trans-1,3-Dichloropropene	Linear		0.99937	-0.06179	0.49396	
Ethylbenzene	Averaged	10.47659			0.71162	
Ethyl methacrylate	Linear		0.99940	-0.03322	0.40441	
Hexachloro-1,3-butadiene	Averaged	9.94229			0.79681	
n-Hexane	Averaged	7.75381			0.54238	
2-Hexanone	Averaged	14.47223			0.15510	
Iodomethane	Linear		0.99769	-0.07009	0.21442	
Isopropylbenzene (Cumene)	Averaged	8.36912			2.27358	
p-Isopropyltoluene	Averaged	7.07642			4.21357	
Methylene Chloride	Linear		0.99951	0.04816	0.30421	
4-Methyl-2-pentanone (MIBK)	Averaged	12.18892			0.22688	
Methyl-tert-butyl ether	Averaged	13.02382			0.63151	
Naphthalene	Averaged	12.79220			2.17315	
n-Propylbenzene	Averaged	5.85092			4.93421	
Styrene	Averaged	11.30218			1.33820	
1,1,1,2-Tetrachloroethane	Averaged	19.60393			0.35545	
1,1,2,2-Tetrachloroethane	Averaged	10.40794			0.56185	
Tetrachloroethene	Averaged	8.13634			0.54340	
Toluene	Averaged	5.76603			1.89985	
1,2,3-Trichlorobenzene	Averaged	5.87685			1.12976	
1,2,4-Trichlorobenzene	Averaged	7.53168			1.25874	
1,1,1-Trichloroethane	Averaged	13.95014			0.46448	
1,1,2-Trichloroethane	Averaged	7.92825			0.21274	
Trichloroethene	Averaged	10.06080			0.31649	
Trichlorofluoromethane	Averaged	8.55555			0.51588	
1,2,3-Trichloropropane	Linear		0.99963	-0.00771	0.19707	
1,2,4-Trimethylbenzene	Averaged	7.93650			3.62301	
1,3,5-Trimethylbenzene	Averaged	7.25680			3.63181	
Vinyl acetate	Linear		0.99911	-0.20494	0.43664	
Vinyl chloride	Linear		0.99949	-0.00979	0.33455	
m&p-Xylene	Averaged	8.59517			0.86717	

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

MSV - FORM VI VOA-9
MSV INITIAL CALIBRATION DATA

Lab Name: Pace Analytical - Indiana Instrument ID: 50MV3A GC Column: Col 1 SDG No.: 5099688
Calibration Date(s): 06/19/2014 06/19/2014 Calibration Time(s): 14:46 18:33

LAB FILE ID

CAL1 = A061914CAL.BVA01CAL.D CAL2 = A061914CAL.BVA02CAL.D CAL3 = A061914CAL.BVA03CAL.D
CAL4 = A061914CAL.BVA04CAL.D CAL5 = A061914CAL.BVA05CAL.D CAL6 = A061914CAL.BVA06CAL.D
CAL7 = A061914CAL.BVA07CAL.D CAL8 = A061914CAL.BVA08CAL.D

COMPOUND	CURVE TYPE	%RSD	R2	A1	A2	A3
o-Xylene	Averaged	8.75368			0.81069	
4-Bromofluorobenzene (S)	Averaged	2.02274			0.46624	
Dibromofluoromethane (S)	Averaged	2.74387			0.23245	
Toluene-d8 (S)	Averaged	1.88140			1.32790	

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

07/21/2014 8:54

MSV - FORM VI VOA-1
MSV INITIAL CALIBRATION DATA

Lab Name: Pace Analytical - Indiana Instrument ID: 50MV4B GC Column: Col 1 SDG No.: 5099688
 Calibration Date(s): 06/25/2014 06/25/2014 Calibration Time(s): 16:12 19:58

LAB FILE ID

CAL1 = B062514CAL.B\B02.D CAL2 = B062514CAL.B\B03.D CAL3 = B062514CAL.B\B04.D
 CAL4 = B062514CAL.B\B05.D CAL5 = B062514CAL.B\B06.D CAL6 = B062514CAL.B\B07.D
 CAL7 = B062514CAL.B\B08.D CAL8 = B062514CAL.B\B09.D

COMPOUND	CURVE TYPE	CAL1	CAL2	CAL3	CAL4	CAL5	CAL6
Acetone	Linear	0.65074	0.52300	0.34657	0.35109	0.30659	0.32242
Acrolein	Averaged	0.19667	0.21750	0.25358	0.21290	0.20505	0.21084
Acrylonitrile	Averaged	0.42866	0.53331	0.42726	0.47223	0.44271	0.47610
Benzene	Averaged	3.57679	3.61349	2.95658	3.15852	3.10399	3.41488
Bromobenzene	Averaged	1.59384	1.62779	1.35017	1.49901	1.44139	1.77327
Bromochloromethane	Averaged	1.08496	1.31532	1.11050	1.12727	1.07673	1.20193
Bromodichloromethane	Averaged	0.70031	0.76201	0.71988	0.73360	0.78131	1.01214
Bromoform	Linear	0.96173	0.97629	0.73061	0.90191	0.89489	1.24138
Bromomethane	Averaged	0.33729	0.32846	0.41138	0.45442	0.41749	0.41426
2-Butanone (MEK)	Averaged	0.49707	0.52442	0.43562	0.48369	0.50735	0.57771
n-Butylbenzene	Linear	3.10187	3.20261	2.70493	3.22338	3.46903	4.85115
sec-Butylbenzene	Averaged	6.53718	7.29319	5.58607	7.37744	7.69676	9.49950
tert-Butylbenzene	Averaged	6.63118	6.93780	5.60826	7.21332	7.29846	8.82479
Carbon disulfide	Averaged	2.08554	2.08968	1.56745	1.86699	1.76818	2.07481
Carbon tetrachloride	Averaged	0.69334	0.73690	0.64398	0.74612	0.71224	1.00334
Chlorobenzene	Averaged	3.64289	3.41816	2.91267	2.99670	2.85066	3.23996
Chloroethane	Averaged	0.84023	0.84132	0.94814	0.74361	0.72767	0.73956
Chloroform	Averaged	1.47562	1.46246	1.21131	1.40524	1.28388	1.46253
Chloromethane	Averaged	1.55760	2.00215	2.31140	1.85266	1.84191	1.88117
2-Chlorotoluene	Averaged	6.97154	9.22318	7.07408	7.73714	7.61877	7.48021
4-Chlorotoluene	Averaged	2.33803	2.82514	2.11916	2.61782	2.55039	2.79303
Dibromochloromethane	Linear	0.58031	0.70851	0.50181	0.61802	0.69510	0.98824
1,2-Dibromoethane (EDB)	Averaged	0.74846	0.87024	0.75627	0.85150	0.82584	1.02144
Dibromomethane	Averaged	0.44668	0.45411	0.40451	0.47323	0.46763	0.52253
1,2-Dichlorobenzene	Averaged	4.67507	4.46856	3.66939	4.08759	4.00878	4.49319
1,3-Dichlorobenzene	Averaged	4.24368	4.96569	4.04350	4.30192	4.29435	4.83948
1,4-Dichlorobenzene	Averaged	4.79281	5.56297	4.18273	4.25797	4.06216	4.64628
trans-1,4-Dichloro-2-butene	Linear	0.19478	0.28069	0.19209	0.22606	0.25873	0.37210
Dichlorodifluoromethane	Averaged	0.92749	1.17165	1.38015	1.15812	1.12724	1.15563
1,1-Dichloroethane	Averaged	1.82974	1.87985	1.50279	1.64304	1.49644	1.74504
1,2-Dichloroethane	Averaged	1.46072	1.63844	1.11237	1.24533	1.23558	1.34247
1,1-Dichloroethene	Averaged	0.73901	0.79418	0.75120	0.75349	0.68389	0.75679
cis-1,2-Dichloroethene	Averaged	0.90706	0.83491	0.79332	0.95311	0.88508	0.99836
trans-1,2-Dichloroethene	Averaged	0.76426	0.94360	0.68477	0.78570	0.73204	0.80921
1,2-Dichloropropane	Averaged	0.91860	0.99887	0.81635	0.93369	0.91017	1.06445

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

MSV - FORM VI VOA-2
MSV INITIAL CALIBRATION DATA

Lab Name: Pace Analytical - Indiana Instrument ID: 50MV4B GC Column: Col 1 SDG No.: 5099688
 Calibration Date(s): 06/25/2014 06/25/2014 Calibration Time(s): 16:12 19:58

LAB FILE ID

CAL1 = B062514CAL.B\B02.D CAL2 = B062514CAL.B\B03.D CAL3 = B062514CAL.B\B04.D
 CAL4 = B062514CAL.B\B05.D CAL5 = B062514CAL.B\B06.D CAL6 = B062514CAL.B\B07.D
 CAL7 = B062514CAL.B\B08.D CAL8 = B062514CAL.B\B09.D

COMPOUND	CURVE TYPE	CAL1	CAL2	CAL3	CAL4	CAL5	CAL6
1,3-Dichloropropane	Averaged	1.60747	1.72130	1.41576	1.40846	1.39024	1.58282
2,2-Dichloropropane	Linear	0.43514	0.45798	0.43361	0.43819	0.45623	0.67979
1,1-Dichloropropene	Averaged	0.91163	1.06417	0.97892	1.06298	1.01025	1.17579
cis-1,3-Dichloropropene	Linear	0.81070	0.82001	0.70910	0.89136	0.96898	1.49751
trans-1,3-Dichloropropene	Linear	0.35797	0.62502	0.39764	0.56627	0.61559	1.08665
Ethylbenzene	Averaged	1.30059	1.64154	1.17207	1.44413	1.52752	1.77519
Ethyl methacrylate	Linear	0.58805	0.66846	0.63473	0.75220	0.91526	1.28183
Hexachloro-1,3-butadiene	Averaged	0.95084	0.82787	0.78748	0.77469	0.74906	0.90067
n-Hexane	Averaged	1.86821	1.82817	1.48537	1.68626	1.49354	1.68440
2-Hexanone	Averaged	0.62701	0.72911	0.59279	0.79593	0.84317	1.06018
Iodomethane	Linear	0.21108	0.14374	0.13679	0.22029	0.30874	0.74919
Isopropylbenzene (Cumene)	Linear	2.82414	3.43259	3.01267	3.74594	3.95497	4.96226
p-Isopropyltoluene	Linear	4.16947	4.98932	4.41888	5.04329	5.42568	7.21358
Methylene Chloride	Linear	3.96216	2.91237	1.90302	1.19652	0.88919	0.83045
4-Methyl-2-pentanone (MIBK)	Averaged	0.96807	1.10002	0.99069	1.26870	1.32631	1.55774
Methyl-tert-butyl ether	Averaged	1.53224	1.68310	1.31496	1.50115	1.40379	1.59996
Naphthalene	Linear	4.33174	2.00086	1.71803	2.64820	3.23933	3.75376
n-Propylbenzene	Averaged	10.09419	9.88157	8.28106	10.10087	10.06020	11.87148
Styrene	Linear	1.49351	1.95549	1.78638	2.13074	2.33592	3.10090
1,1,1,2-Tetrachloroethane	Linear	0.68962	0.79557	0.57435	0.77230	0.78858	1.06732
1,1,2,2-Tetrachloroethane	Averaged	3.57482	3.85279	3.13106	3.25805	2.88816	2.77702
Tetrachloroethene	Averaged	1.33434	1.26853	1.12455	1.19700	1.06604	1.23297
Toluene	Averaged	5.14539	4.87914	3.93870	4.39067	4.26485	4.74612
1,2,3-Trichlorobenzene	Linear	1.00131	1.10160	0.78162	1.07997	1.12487	1.37091
1,2,4-Trichlorobenzene	Linear	0.84102	0.81555	0.74668	0.91281	1.05633	1.46933
1,1,1-Trichloroethane	Averaged	0.91619	0.90901	0.85147	0.87475	0.89401	1.15238
1,1,2-Trichloroethane	Averaged	0.73979	0.92675	0.71066	0.68972	0.68972	0.80138
Trichloroethene	Averaged	0.66280	0.85160	0.72709	0.82824	0.76445	0.89374
Trichlorofluoromethane	Averaged	1.10756	1.33815	1.75368	1.40933	1.38148	1.41248
1,2,3-Trichloropropane	Averaged	1.18237	1.06976	0.94916	1.02163	0.91442	0.84376
1,2,4-Trimethylbenzene	Linear	4.24862	5.68931	4.32171	5.61213	5.72294	7.07364
1,3,5-Trimethylbenzene	Averaged	5.23509	6.25424	5.15867	6.38306	6.69029	7.87302
Vinyl acetate	Averaged	1.71777	1.96667	2.67086	2.44236	2.60065	3.00502
Vinyl chloride	Averaged	1.17872	1.24322	1.63478	1.31100	1.28262	1.34070
m&p-Xylene	Averaged	1.35958	1.67217	1.48818	1.76642	1.82810	2.10216

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

07/21/2014 8:53

MSV - FORM VI VOA-3
MSV INITIAL CALIBRATION DATA

Lab Name: Pace Analytical - Indiana Instrument ID: 50MV4B GC Column: Col 1 SDG No.: 5099688
 Calibration Date(s): 06/25/2014 06/25/2014 Calibration Time(s): 16:12 19:58

LAB FILE ID

CAL1 = B062514CAL.B\B02.D CAL2 = B062514CAL.B\B03.D CAL3 = B062514CAL.B\B04.D
 CAL4 = B062514CAL.B\B05.D CAL5 = B062514CAL.B\B06.D CAL6 = B062514CAL.B\B07.D
 CAL7 = B062514CAL.B\B08.D CAL8 = B062514CAL.B\B09.D

COMPOUND	CURVE TYPE	CAL1	CAL2	CAL3	CAL4	CAL5	CAL6
o-Xylene	Averaged	1.22039	1.57943	1.37476	1.55500	1.66859	2.01888
4-Bromofluorobenzene (S)	Averaged	0.38919	0.39671	0.40309	0.41847	0.41593	0.43917
Dibromofluoromethane (S)	Averaged	0.25485	0.24930	0.25280	0.25457	0.25567	0.25837
Toluene-d8 (S)	Averaged	1.27662	1.25766	1.29578	1.26002	1.24807	1.25627

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

07/21/2014 8:53

MSV - FORM VI VOA-4
MSV INITIAL CALIBRATION DATA

Lab Name: Pace Analytical - Indiana Instrument ID: 50MV4B GC Column: Col 1 SDG No.: 5099688
 Calibration Date(s): 06/25/2014 06/25/2014 Calibration Time(s): 16:12 19:58

LAB FILE ID

CAL1 = B062514CAL.B\B02.D CAL2 = B062514CAL.B\B03.D CAL3 = B062514CAL.B\B04.D
 CAL4 = B062514CAL.B\B05.D CAL5 = B062514CAL.B\B06.D CAL6 = B062514CAL.B\B07.D
 CAL7 = B062514CAL.B\B08.D CAL8 = B062514CAL.B\B09.D

COMPOUND	CURVE TYPE	CAL7	CAL8
Acetone	Linear		
Acrolein	Averaged	0.17888	0.16702
Acrylonitrile	Averaged	0.36888	0.31894
Benzene	Averaged	3.07926	3.25476
Bromobenzene	Averaged	1.58154	1.66854
Bromochloromethane	Averaged	1.02596	1.02931
Bromodichloromethane	Averaged	0.97963	1.05976
Bromoform	Linear	1.30622	1.44322
Bromomethane	Averaged		
2-Butanone (MEK)	Averaged	0.51892	0.54032
n-Butylbenzene	Linear	5.28873	5.91345
sec-Butylbenzene	Averaged	9.15714	9.44690
tert-Butylbenzene	Averaged	8.45315	8.73313
Carbon disulfide	Averaged	1.89582	1.95636
Carbon tetrachloride	Averaged	0.97903	
Chlorobenzene	Averaged	2.93340	2.98869
Chloroethane	Averaged	0.63011	
Chloroform	Averaged	1.33911	1.41193
Chloromethane	Averaged	1.79199	2.10992
2-Chlorotoluene	Averaged	6.58074	6.61500
4-Chlorotoluene	Averaged	2.56380	2.52280
Dibromochloromethane	Linear	1.00738	1.10326
1,2-Dibromoethane (EDB)	Averaged	0.95038	1.00084
Dibromomethane	Averaged	0.47500	0.50646
1,2-Dichlorobenzene	Averaged	4.09473	4.18084
1,3-Dichlorobenzene	Averaged	4.43606	4.68709
1,4-Dichlorobenzene	Averaged	4.42102	4.59160
trans-1,4-Dichloro-2-butene	Linear	0.36406	0.39505
Dichlorodifluoromethane	Averaged	1.05671	1.09549
1,1-Dichloroethane	Averaged	1.57733	1.65910
1,2-Dichloroethane	Averaged	1.21513	1.26466
1,1-Dichloroethene	Averaged	0.68470	0.70356
cis-1,2-Dichloroethene	Averaged	0.91179	0.98028
trans-1,2-Dichloroethene	Averaged	0.69764	0.69698
1,2-Dichloropropane	Averaged	0.97182	1.03999

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

MSV - FORM VI VOA-5
MSV INITIAL CALIBRATION DATA

Lab Name: Pace Analytical - Indiana Instrument ID: 50MV4B GC Column: Col 1 SDG No.: 5099688
 Calibration Date(s): 06/25/2014 06/25/2014 Calibration Time(s): 16:12 19:58

LAB FILE ID

CAL1 = B062514CAL.B\B02.D CAL2 = B062514CAL.B\B03.D CAL3 = B062514CAL.B\B04.D
 CAL4 = B062514CAL.B\B05.D CAL5 = B062514CAL.B\B06.D CAL6 = B062514CAL.B\B07.D
 CAL7 = B062514CAL.B\B08.D CAL8 = B062514CAL.B\B09.D

COMPOUND	CURVE TYPE	CAL7	CAL8
1,3-Dichloropropane	Averaged	1.41836	1.46481
2,2-Dichloropropane	Linear	0.75233	0.87937
1,1-Dichloropropene	Averaged	1.06781	1.12166
cis-1,3-Dichloropropene	Linear	1.47651	1.61180
trans-1,3-Dichloropropene	Linear	1.20040	1.32464
Ethylbenzene	Averaged	1.57836	1.62748
Ethyl methacrylate	Linear	1.21185	1.29029
Hexachloro-1,3-butadiene	Averaged	0.89960	1.01170
n-Hexane	Averaged	1.52749	1.61675
2-Hexanone	Averaged	0.91376	0.89110
Iodomethane	Linear	0.86369	0.85718
Isopropylbenzene (Cumene)	Linear	4.50435	4.43872
p-Isopropyltoluene	Linear	7.49918	8.07683
Methylene Chloride	Linear	0.72346	0.75662
4-Methyl-2-pentanone (MIBK)	Averaged	1.33523	1.28707
Methyl-tert-butyl ether	Averaged	1.47402	1.53069
Naphthalene	Linear	3.64169	
n-Propylbenzene	Averaged	10.70669	9.83948
Styrene	Linear	2.87464	2.93568
1,1,1,2-Tetrachloroethane	Linear	1.03434	1.09723
1,1,2,2-Tetrachloroethane	Averaged	2.35782	2.37266
Tetrachloroethene	Averaged	1.12845	1.19359
Toluene	Averaged	4.17539	4.24536
1,2,3-Trichlorobenzene	Linear	1.49067	1.76042
1,2,4-Trichlorobenzene	Linear	1.65029	1.97710
1,1,1-Trichloroethane	Averaged	1.12837	1.22726
1,1,2-Trichloroethane	Averaged	0.70341	0.73754
Trichloroethene	Averaged	0.82210	0.87479
Trichlorofluoromethane	Averaged	1.26890	1.32195
1,2,3-Trichloropropane	Averaged	0.71807	0.73171
1,2,4-Trimethylbenzene	Linear	6.90142	
1,3,5-Trimethylbenzene	Averaged	7.45592	7.48782
Vinyl acetate	Averaged	2.64386	2.21866
Vinyl chloride	Averaged	1.27742	1.34058
m&p-Xylene	Averaged	1.84767	1.81670

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

MSV - FORM VI VOA-6
MSV INITIAL CALIBRATION DATA

Lab Name: Pace Analytical - Indiana Instrument ID: 50MV4B GC Column: Col 1 SDG No.: 5099688
Calibration Date(s): 06/25/2014 06/25/2014 Calibration Time(s): 16:12 19:58

LAB FILE ID

CAL1 = B062514CAL.B\B02.D CAL2 = B062514CAL.B\B03.D CAL3 = B062514CAL.B\B04.D
CAL4 = B062514CAL.B\B05.D CAL5 = B062514CAL.B\B06.D CAL6 = B062514CAL.B\B07.D
CAL7 = B062514CAL.B\B08.D CAL8 = B062514CAL.B\B09.D

COMPOUND	CURVE TYPE	CAL7	CAL8
o-Xylene	Averaged	1.82124	1.85451
4-Bromofluorobenzene (S)	Averaged	0.43784	0.44715
Dibromofluoromethane (S)	Averaged	0.25737	0.25261
Toluene-d8 (S)	Averaged	1.25086	1.23875

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

07/21/2014 8:53

MSV - FORM VI VOA-7
MSV INITIAL CALIBRATION DATA

Lab Name: Pace Analytical - Indiana Instrument ID: 50MV4B GC Column: Col 1 SDG No.: 5099688
 Calibration Date(s): 06/25/2014 06/25/2014 Calibration Time(s): 16:12 19:58

LAB FILE ID

CAL1 = B062514CAL.B\B02.D CAL2 = B062514CAL.B\B03.D CAL3 = B062514CAL.B\B04.D
 CAL4 = B062514CAL.B\B05.D CAL5 = B062514CAL.B\B06.D CAL6 = B062514CAL.B\B07.D
 CAL7 = B062514CAL.B\B08.D CAL8 = B062514CAL.B\B09.D

COMPOUND	CURVE TYPE	%RSD	R2	A1	A2	A3
Acetone	Linear		0.99960	0.00974	0.31970	
Acrolein	Averaged	12.76249			0.20530	
Acrylonitrile	Averaged	14.81477			0.42885	
Benzene	Averaged	7.38282			3.26978	
Bromobenzene	Averaged	8.52479			1.56694	
Bromochloromethane	Averaged	8.60260			1.12150	
Bromodichloromethane	Averaged	17.47440			0.84358	
Bromoform	Linear		0.99796	-0.08645	1.43091	
Bromomethane	Averaged	12.65621			0.39388	
2-Butanone (MEK)	Averaged	8.17163			0.51064	
n-Butylbenzene	Linear		0.99735	-0.41840	5.85966	
sec-Butylbenzene	Averaged	18.31833			7.82427	
tert-Butylbenzene	Averaged	15.14831			7.46251	
Carbon disulfide	Averaged	9.51269			1.91310	
Carbon tetrachloride	Averaged	18.14901			0.78785	
Chlorobenzene	Averaged	9.05251			3.12289	
Chloroethane	Averaged	13.19516			0.78152	
Chloroform	Averaged	6.90823			1.38151	
Chloromethane	Averaged	11.75176			1.91860	
2-Chlorotoluene	Averaged	11.47875			7.41258	
4-Chlorotoluene	Averaged	9.04982			2.54127	
Dibromochloromethane	Linear		0.99839	-0.06086	1.09524	
1,2-Dibromoethane (EDB)	Averaged	11.86461			0.87812	
Dibromomethane	Averaged	7.73529			0.46877	
1,2-Dichlorobenzene	Averaged	7.64584			4.20977	
1,3-Dichlorobenzene	Averaged	7.17636			4.47647	
1,4-Dichlorobenzene	Averaged	10.37219			4.56469	
trans-1,4-Dichloro-2-butene	Linear		0.99874	-0.01815	0.39242	
Dichlorodifluoromethane	Averaged	11.21372			1.13406	
1,1-Dichloroethane	Averaged	8.56408			1.66666	
1,2-Dichloroethane	Averaged	12.57849			1.31434	
1,1-Dichloroethene	Averaged	5.33309			0.73335	
cis-1,2-Dichloroethene	Averaged	7.72704			0.90799	
trans-1,2-Dichloroethene	Averaged	11.16427			0.76427	
1,2-Dichloropropane	Averaged	8.32411			0.95674	

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

MSV - FORM VI VOA-8
MSV INITIAL CALIBRATION DATA

Lab Name: Pace Analytical - Indiana Instrument ID: 50MV4B GC Column: Col 1 SDG No.: 5099688
 Calibration Date(s): 06/25/2014 06/25/2014 Calibration Time(s): 16:12 19:58

LAB FILE ID

CAL1 = B062514CAL.B\B02.D CAL2 = B062514CAL.B\B03.D CAL3 = B062514CAL.B\B04.D
 CAL4 = B062514CAL.B\B05.D CAL5 = B062514CAL.B\B06.D CAL6 = B062514CAL.B\B07.D
 CAL7 = B062514CAL.B\B08.D CAL8 = B062514CAL.B\B09.D

COMPOUND	CURVE TYPE	%RSD	R2	A1	A2	A3
1,3-Dichloropropane	Averaged	8.07276			1.50115	
2,2-Dichloropropane	Linear		0.99508	-0.07639	0.86693	
1,1-Dichloropropene	Averaged	7.84489			1.04915	
cis-1,3-Dichloropropene	Linear		0.99855	-0.08350	1.60093	
trans-1,3-Dichloropropene	Linear		0.99784	-0.10154	1.31723	
Ethylbenzene	Averaged	12.99091			1.50836	
Ethyl methacrylate	Linear		0.99922	-0.04457	1.28434	
Hexachloro-1,3-butadiene	Averaged	10.75848			0.86274	
n-Hexane	Averaged	8.86495			1.64877	
2-Hexanone	Averaged	19.22577			0.80663	
Iodomethane	Linear		0.99944	-0.10364	0.86713	
Isopropylbenzene (Cumene)	Linear		0.99954	0.03826	4.45367	
p-Isopropyltoluene	Linear		0.99886	-0.40239	8.03268	
Methylene Chloride	Linear		0.99923	0.03771	0.74352	
4-Methyl-2-pentanone (MIBK)	Averaged	16.13273			1.22923	
Methyl-tert-butyl ether	Averaged	7.51217			1.50499	
Naphthalene	Linear		0.99973	-0.04047	3.66748	
n-Propylbenzene	Averaged	9.84832			10.10444	
Styrene	Linear		0.99974	-0.03603	2.93470	
1,1,1,2-Tetrachloroethane	Linear		0.99933	-0.03635	1.09211	
1,1,2,2-Tetrachloroethane	Averaged	17.67869			3.02655	
Tetrachloroethene	Averaged	7.24204			1.19318	
Toluene	Averaged	9.13026			4.47320	
1,2,3-Trichlorobenzene	Linear		0.99454	-0.14330	1.73077	
1,2,4-Trichlorobenzene	Linear		0.99357	-0.18971	1.94384	
1,1,1-Trichloroethane	Averaged	14.98494			0.99418	
1,1,2-Trichloroethane	Averaged	10.70711			0.74987	
Trichloroethene	Averaged	9.83313			0.80310	
Trichlorofluoromethane	Averaged	13.27562			1.37419	
1,2,3-Trichloropropane	Averaged	17.44943			0.92886	
1,2,4-Trimethylbenzene	Linear		0.99977	-0.07706	6.94560	
1,3,5-Trimethylbenzene	Averaged	15.49444			6.56726	
Vinyl acetate	Averaged	17.38140			2.40823	
Vinyl chloride	Averaged	10.22809			1.32613	
m&p-Xylene	Averaged	13.24363			1.73512	

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

MSV - FORM VI VOA-9
MSV INITIAL CALIBRATION DATA

Lab Name: Pace Analytical - Indiana Instrument ID: 50MV4B GC Column: Col 1 SDG No.: 5099688
 Calibration Date(s): 06/25/2014 06/25/2014 Calibration Time(s): 16:12 19:58

LAB FILE ID

CAL1 = B062514CAL.B\B02.D CAL2 = B062514CAL.B\B03.D CAL3 = B062514CAL.B\B04.D
 CAL4 = B062514CAL.B\B05.D CAL5 = B062514CAL.B\B06.D CAL6 = B062514CAL.B\B07.D
 CAL7 = B062514CAL.B\B08.D CAL8 = B062514CAL.B\B09.D

COMPOUND	CURVE TYPE	%RSD	R2	A1	A2	A3
o-Xylene	Averaged	16.00802			1.63660	
4-Bromofluorobenzene (S)	Averaged	5.10969			0.41844	
Dibromofluoromethane (S)	Averaged	1.13284			0.25444	
Toluene-d8 (S)	Averaged	1.42258			1.26050	

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

07/21/2014 8:53

MSV - FORM VII VOA-1
MSV INITIAL CALIBRATION DATA

SAMPLE NO.

6881326ICV

Lab Name: Pace Analytical - Indiana

Calibration Date: 06/19/2014 Time: 19:38

Instrument ID: 50MV3A GC Column: Col 1

Init. Calib. Date(s): 06/19/2014 06/19/2014

Lab File ID: A061914CAL.BVA10ICV.D

Init. Calib. Time(s): 14:46 18:33

SDG No.: 5099688

COMPOUND	CURVE	RRF or Amount	RRF or Amount	MIN RRF	%D	MAX %D
Acetone	Averaged	0.04368	0.04131	0.0100	4.7058	20.0000
Acrolein	Averaged	0.01900	0.02369	0.0000	2.5913	20.0000
Acrylonitrile	Averaged	0.05429	0.05028	0.0000	10.9526	20.0000
Benzene	Averaged	1.15876	1.16637	0.5000	9.9291	20.0000
Bromobenzene	Averaged	0.77261	0.72506	0.0000	3.2599	20.0000
Bromochloromethane	Averaged	0.16241	0.16541	0.0000	12.8925	20.0000
Bromodichloromethane	Averaged	0.33715	0.32159	0.2000	6.0205	20.0000
Bromoform	Linear	50	44.23060	0.1000	-11.5388	20.0000
Bromomethane	Linear	50	46.64129	0.1000	-6.7174	20.0000
2-Butanone (MEK)	Averaged	0.07131	0.06859	0.0100	10.7971	20.0000
n-Butylbenzene	Averaged	3.79286	3.68526	0.0000	4.1274	20.0000
sec-Butylbenzene	Averaged	4.84291	4.70971	0.0000	6.0581	20.0000
tert-Butylbenzene	Averaged	3.90583	3.13805	0.0000	7.1646	20.0000
Carbon disulfide	Averaged	0.79497	0.75685	0.1000	4.2504	20.0000
Carbon tetrachloride	Linear	50	42.58040	0.1000	-14.8392	20.0000
Chlorobenzene	Averaged	1.19398	1.11426	0.5000	4.6178	20.0000
Chloroethane	Averaged	0.18627	0.19248	0.1000	3.6675	20.0000
Chloroform	Averaged	0.52383	0.49500	0.2000	6.4823	20.0000
Chloromethane	Averaged	0.32945	0.32316	0.1000	-1.3861	20.0000
2-Chlorotoluene	Averaged	2.76265	2.63265	0.0000	4.8497	20.0000
4-Chlorotoluene	Averaged	0.95960	0.93382	0.0000	5.3436	20.0000
Dibromochloromethane	Linear	50	43.11920	0.1000	-13.7616	20.0000
1,2-Dibromoethane (EDB)	Averaged	0.22678	0.23057	0.1000	13.0268	20.0000
Dibromomethane	Averaged	0.11691	0.10826	0.0000	9.8091	20.0000
1,2-Dichlorobenzene	Averaged	1.74694	1.66619	0.4000	2.4937	20.0000
1,3-Dichlorobenzene	Averaged	1.97812	1.85507	0.6000	1.0204	20.0000
1,4-Dichlorobenzene	Averaged	1.97312	1.83861	0.5000	0.2193	20.0000
trans-1,4-Dichloro-2-butene	Linear	50	160.1701	0.0000	220.3404	20.0000
Dichlorodifluoromethane	Averaged	0.38732	0.44927	0.1000	1.0061	20.0000
1,1-Dichloroethane	Averaged	0.53885	0.50800	0.2000	7.6365	20.0000
1,2-Dichloroethane	Averaged	0.33109	0.32392	0.1000	9.4901	20.0000
1,1-Dichloroethene	Averaged	0.27261	0.24380	0.1000	3.8617	20.0000
cis-1,2-Dichloroethene	Averaged	0.32007	0.29026	0.1000	7.6343	20.0000
trans-1,2-Dichloroethene	Averaged	0.31514	0.28098	0.1000	8.9181	20.0000
1,2-Dichloropropane	Averaged	0.26617	0.24801	0.1000	8.1545	20.0000
1,3-Dichloropropane	Averaged	0.48044	0.44447	0.0000	3.3047	20.0000

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

07/21/2014 8:54

MSV - FORM VII VOA-2
MSV INITIAL CALIBRATION DATA

SAMPLE NO.

6881326ICV

Lab Name: Pace Analytical - Indiana

Calibration Date: 06/19/2014 Time: 19:38

Instrument ID: 50MV3A GC Column: Col 1

Init. Calib. Date(s): 06/19/2014 06/19/2014

Lab File ID: A061914CAL.BVA10ICV.D

Init. Calib. Time(s): 14:46 18:33

SDG No.: 5099688

COMPOUND	CURVE	RRF or Amount	RRF or Amount	MIN RRF	%D	MAX %D
2,2-Dichloropropane	Linear	50	45.51040	0.0000	-8.9792	20.0000
1,1-Dichloropropene	Averaged	0.46475	0.43992	0.0000	8.6423	20.0000
cis-1,3-Dichloropropene	Linear	50	42.30330	0.2000	-15.3934	20.0000
trans-1,3-Dichloropropene	Linear	50	42.56085	0.1000	-14.8783	20.0000
Ethylbenzene	Averaged	0.71162	0.67627	0.1000	7.5085	20.0000
Ethyl methacrylate	Linear	50	179.5761	0.0000	259.1523	20.0000
Hexachloro-1,3-butadiene	Averaged	0.79681	0.78025	0.0000	9.3502	20.0000
n-Hexane	Averaged	0.54238	0.48490	0.0000	8.1712	20.0000
2-Hexanone	Averaged	0.15510	0.15108	0.0500	8.7731	20.0000
Iodomethane	Linear	100	92.37124	0.0000	-7.6288	20.0000
Isopropylbenzene (Cumene)	Averaged	2.27358	2.26672	0.1000	7.5691	20.0000
p-Isopropyltoluene	Averaged	4.21357	3.95544	0.0000	4.9916	20.0000
Methylene Chloride	Linear	50	42.09476	0.1000	-15.8105	20.0000
4-Methyl-2-pentanone (MIBK)	Averaged	0.22688	0.22176	0.0500	7.3780	20.0000
Methyl-tert-butyl ether	Averaged	0.63151	0.60582	0.1000	13.1494	20.0000
Naphthalene	Averaged	2.17315	2.16411	0.0000	13.7701	20.0000
n-Propylbenzene	Averaged	4.93421	4.85209	0.0000	4.0444	20.0000
Styrene	Averaged	1.33820	1.28973	0.3000	7.4457	20.0000
1,1,1,2-Tetrachloroethane	Averaged	0.35545	0.35060	0.0000	4.5094	20.0000
1,1,2,2-Tetrachloroethane	Averaged	0.56185	0.54948	0.3000	7.0127	20.0000
Tetrachloroethene	Averaged	0.54340	0.49730	0.2000	5.0710	20.0000
Toluene	Averaged	1.89985	1.76202	0.4000	2.7919	20.0000
1,2,3-Trichlorobenzene	Averaged	1.12976	1.09966	0.0000	-0.4720	20.0000
1,2,4-Trichlorobenzene	Averaged	1.25874	1.21833	0.2000	-0.0738	20.0000
1,1,1-Trichloroethane	Averaged	0.46448	0.44443	0.1000	10.8262	20.0000
1,1,2-Trichloroethane	Averaged	0.21274	0.20744	0.1000	5.2255	20.0000
Trichloroethene	Averaged	0.31649	0.29589	0.2000	7.2335	20.0000
Trichlorofluoromethane	Averaged	0.51588	0.51153	0.1000	-1.8611	20.0000
1,2,3-Trichloropropane	Linear	50	45.72887	0.0000	-8.5422	20.0000
1,2,4-Trimethylbenzene	Averaged	3.62301	3.51469	0.0000	6.1450	20.0000
1,3,5-Trimethylbenzene	Averaged	3.63181	3.48163	0.0000	4.3450	20.0000
Vinyl acetate	Linear	200	198.2372	0.0000	-0.8814	20.0000
Vinyl chloride	Linear	50	52.30993	0.1000	4.6199	20.0000
m&p-Xylene	Averaged	0.86717	0.83326	0.1000	6.3899	20.0000
o-Xylene	Averaged	0.81069	0.78457	0.3000	7.5631	20.0000
4-Bromofluorobenzene (S)	Averaged	0.46624	0.47608	0.1000	0.2457	20.0000

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

07/21/2014 8:54

MSV - FORM VII VOA-3
MSV INITIAL CALIBRATION DATA

SAMPLE NO.

6881326ICV

Lab Name: Pace Analytical - Indiana Calibration Date: 06/19/2014 Time: 19:38
Instrument ID: 50MV3A GC Column: Col 1 Init. Calib. Date(s): 06/19/2014 06/19/2014
Lab File ID: A061914CAL.BVA10ICV.D Init. Calib. Time(s): 14:46 18:33
SDG No.: 5099688

COMPOUND	CURVE	RRF or Amount	RRF or Amount	MIN RRF	%D	MAX %D
Dibromofluoromethane (S)	Averaged	0.23245	0.23404	0.1000	1.2502	20.0000
Toluene-d8 (S)	Averaged	1.32790	1.29822	0.1000	-1.2886	20.0000

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

07/21/2014 8:54

MSV - FORM VII VOA-1
MSV CONTINUING CALIBRATION DATA

SAMPLE NO.

6923019CCV

Lab Name: Pace Analytical - Indiana

Calibration Date: 07/02/2014 Time: 10:03

Instrument ID: 50MV3A GC Column: Col 1

Init. Calib. Date(s): 06/19/2014 06/19/2014

Lab File ID: A070214.B\A01CCV.D

Init. Calib. Time(s): 14:46 18:33

SDG No.: 5099688

COMPOUND	CURVE	RRF or Amount	RRF or Amount	MIN RRF	%D	MAX %D
Acetone	Averaged	0.04368	0.04450	0.0100	1.8719	20.0000
Acrolein	Averaged	0.01900	0.02214	0.0000	16.5284	20.0000
Acrylonitrile	Averaged	0.05429	0.06213	0.0000	14.4360	20.0000
Benzene	Averaged	1.15876	1.26615	0.5000	9.2681	20.0000
Bromobenzene	Averaged	0.77261	0.77131	0.0000	-0.1683	20.0000
Bromochloromethane	Averaged	0.16241	0.18337	0.0000	12.9000	20.0000
Bromodichloromethane	Averaged	0.33715	0.34208	0.2000	1.4599	20.0000
Bromoform	Linear	50	41.75044	0.1000	-16.4991	20.0000
Bromomethane	Linear	50	45.28846	0.1000	-9.4231	20.0000
2-Butanone (MEK)	Averaged	0.07131	0.07610	0.0100	6.7208	20.0000
n-Butylbenzene	Averaged	3.79286	3.81500	0.0000	0.5836	20.0000
sec-Butylbenzene	Averaged	4.84291	4.73851	0.0000	-2.1557	20.0000
tert-Butylbenzene	Averaged	3.90583	3.92186	0.0000	0.4105	20.0000
Carbon disulfide	Averaged	0.79497	0.87841	0.1000	10.4959	20.0000
Carbon tetrachloride	Linear	50	45.75733	0.1000	-8.4853	20.0000
Chlorobenzene	Averaged	1.19398	1.22316	0.5000	2.4445	20.0000
Chloroethane	Averaged	0.18627	0.24895	0.1000	33.6504	20.0000
Chloroform	Averaged	0.52383	0.51591	0.2000	-1.5124	20.0000
Chloromethane	Averaged	0.32945	0.43067	0.1000	30.7247	20.0000
2-Chlorotoluene	Averaged	2.76265	2.69271	0.0000	-2.5314	20.0000
4-Chlorotoluene	Averaged	0.95960	0.98258	0.0000	2.3947	20.0000
Dibromochloromethane	Linear	50	44.53363	0.1000	-10.9327	20.0000
1,2-Dibromoethane (EDB)	Averaged	0.22678	0.24488	0.1000	7.9792	20.0000
Dibromomethane	Averaged	0.11691	0.12264	0.0000	4.8979	20.0000
1,2-Dichlorobenzene	Averaged	1.74694	1.75636	0.4000	0.5393	20.0000
1,3-Dichlorobenzene	Averaged	1.97812	2.03345	0.6000	2.7971	20.0000
1,4-Dichlorobenzene	Averaged	1.97312	2.00547	0.5000	1.6395	20.0000
trans-1,4-Dichloro-2-butene	Linear	50	42.24707	0.0000	-15.5058	20.0000
Dichlorodifluoromethane	Averaged	0.38732	0.43393	0.1000	12.0353	20.0000
1,1-Dichloroethane	Averaged	0.53885	0.55767	0.2000	3.4926	20.0000
1,2-Dichloroethane	Averaged	0.33109	0.31489	0.1000	-4.8918	20.0000
1,1-Dichloroethene	Averaged	0.27261	0.30463	0.1000	11.7467	20.0000
cis-1,2-Dichloroethene	Averaged	0.32007	0.33823	0.1000	5.6729	20.0000
trans-1,2-Dichloroethene	Averaged	0.31514	0.34327	0.1000	8.9253	20.0000
1,2-Dichloropropane	Averaged	0.26617	0.28615	0.1000	7.5073	20.0000
1,3-Dichloropropane	Averaged	0.48044	0.46507	0.0000	-3.1989	20.0000

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

07/21/2014 8:53

MSV - FORM VII VOA-2
MSV CONTINUING CALIBRATION DATA

SAMPLE NO.

6923019CCV

Lab Name: Pace Analytical - Indiana

Calibration Date: 07/02/2014 Time: 10:03

Instrument ID: 50MV3A GC Column: Col 1

Init. Calib. Date(s): 06/19/2014 06/19/2014

Lab File ID: A070214.BA01CCV.D

Init. Calib. Time(s): 14:46 18:33

SDG No.: 5099688

COMPOUND	CURVE	RRF or Amount	RRF or Amount	MIN RRF	%D	MAX %D
2,2-Dichloropropane	Linear	50	51.79104	0.0000	3.5821	20.0000
1,1-Dichloropropene	Averaged	0.46475	0.48194	0.0000	3.6982	20.0000
cis-1,3-Dichloropropene	Linear	50	46.76367	0.2000	-6.4726	20.0000
trans-1,3-Dichloropropene	Linear	50	45.56086	0.1000	-8.8783	20.0000
Ethylbenzene	Averaged	0.71162	0.75088	0.1000	5.5169	20.0000
Ethyl methacrylate	Linear	50	47.41534	0.0000	-5.1693	20.0000
Hexachloro-1,3-butadiene	Averaged	0.79681	0.94408	0.0000	18.4816	20.0000
n-Hexane	Averaged	0.54238	0.59400	0.0000	9.5172	20.0000
2-Hexanone	Averaged	0.15510	0.16286	0.0500	4.9983	20.0000
Iodomethane	Linear	100	98.76415	0.0000	-1.2358	20.0000
Isopropylbenzene (Cumene)	Averaged	2.27358	2.37825	0.1000	4.6039	20.0000
p-Isopropyltoluene	Averaged	4.21357	4.29463	0.0000	1.9238	20.0000
Methylene Chloride	Linear	50	47.58272	0.1000	-4.8346	20.0000
4-Methyl-2-pentanone (MIBK)	Averaged	0.22688	0.23282	0.0500	2.6196	20.0000
Methyl-tert-butyl ether	Averaged	0.63151	0.67580	0.1000	7.0143	20.0000
Naphthalene	Averaged	2.17315	2.30594	0.0000	6.1103	20.0000
n-Propylbenzene	Averaged	4.93421	4.81672	0.0000	-2.3812	20.0000
Styrene	Averaged	1.33820	1.40981	0.3000	5.3512	20.0000
1,1,1,2-Tetrachloroethane	Averaged	0.35545	0.37147	0.0000	4.5056	20.0000
1,1,2,2-Tetrachloroethane	Averaged	0.56185	0.52839	0.3000	-5.9544	20.0000
Tetrachloroethene	Averaged	0.54340	0.60853	0.2000	11.9846	20.0000
Toluene	Averaged	1.89985	1.86258	0.4000	-1.9616	20.0000
1,2,3-Trichlorobenzene	Averaged	1.12976	1.24262	0.0000	9.9899	20.0000
1,2,4-Trichlorobenzene	Averaged	1.25874	1.43688	0.2000	14.1524	20.0000
1,1,1-Trichloroethane	Averaged	0.46448	0.46758	0.1000	0.6682	20.0000
1,1,2-Trichloroethane	Averaged	0.21274	0.21222	0.1000	-0.2420	20.0000
Trichloroethene	Averaged	0.31649	0.33893	0.2000	7.0902	20.0000
Trichlorofluoromethane	Averaged	0.51588	0.54464	0.1000	5.5760	20.0000
1,2,3-Trichloropropane	Linear	50	47.60143	0.0000	-4.7971	20.0000
1,2,4-Trimethylbenzene	Averaged	3.62301	3.68073	0.0000	1.5931	20.0000
1,3,5-Trimethylbenzene	Averaged	3.63181	3.62621	0.0000	-0.1542	20.0000
Vinyl acetate	Linear	200	210.2637	0.0000	5.1319	20.0000
Vinyl chloride	Linear	50	64.72407	0.1000	29.4481	20.0000
m&p-Xylene	Averaged	0.86717	0.90657	0.1000	4.5436	20.0000
o-Xylene	Averaged	0.81069	0.83898	0.3000	3.4907	20.0000
4-Bromofluorobenzene (S)	Averaged	0.46624	0.46592	0.1000	-0.0682	20.0000

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

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MSV - FORM VII VOA-3
MSV CONTINUING CALIBRATION DATA

SAMPLE NO.

6923019CCV

Lab Name: Pace Analytical - Indiana Calibration Date: 07/02/2014 Time: 10:03
Instrument ID: 50MV3A GC Column: Col 1 Init. Calib. Date(s): 06/19/2014 06/19/2014
Lab File ID: A070214.B\A01CCV.D Init. Calib. Time(s): 14:46 18:33
SDG No.: 5099688

COMPOUND	CURVE	RRF or Amount	RRF or Amount	MIN RRF	%D	MAX %D
Dibromofluoromethane (S)	Averaged	0.23245	0.22410	0.1000	-3.5939	20.0000
Toluene-d8 (S)	Averaged	1.32790	1.26601	0.1000	-4.6606	20.0000

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

07/21/2014 8:53

MSV - FORM VII VOA-1
MSV CONTINUING CALIBRATION DATA

SAMPLE NO.

6928514CCV

Lab Name: Pace Analytical - Indiana

Calibration Date: 07/02/2014 Time: 21:58

Instrument ID: 50MV3A GC Column: Col 1

Init. Calib. Date(s): 06/19/2014 06/19/2014

Lab File ID: A070214.B\C01CCV.D

Init. Calib. Time(s): 14:46 18:33

SDG No.: 5099688

COMPOUND	CURVE	RRF or Amount	RRF or Amount	MIN RRF	%D	MAX %D
Acetone	Averaged	0.04368	0.04475	0.0100	2.4344	20.0000
Acrolein	Averaged	0.01900	0.02254	0.0000	18.6448	20.0000
Acrylonitrile	Averaged	0.05429	0.06053	0.0000	11.4989	20.0000
Benzene	Averaged	1.15876	1.27549	0.5000	10.0736	20.0000
Bromobenzene	Averaged	0.77261	0.77910	0.0000	0.8390	20.0000
Bromochloromethane	Averaged	0.16241	0.17776	0.0000	9.4486	20.0000
Bromodichloromethane	Averaged	0.33715	0.35771	0.2000	6.0976	20.0000
Bromoform	Linear	50	45.90811	0.1000	-8.1838	20.0000
Bromomethane	Linear	50	52.30697	0.1000	4.6140	20.0000
2-Butanone (MEK)	Averaged	0.07131	0.07505	0.0100	5.2541	20.0000
n-Butylbenzene	Averaged	3.79286	3.72001	0.0000	-1.9208	20.0000
sec-Butylbenzene	Averaged	4.84291	4.82716	0.0000	-0.3254	20.0000
tert-Butylbenzene	Averaged	3.90583	3.96084	0.0000	1.4084	20.0000
Carbon disulfide	Averaged	0.79497	0.89164	0.1000	12.1602	20.0000
Carbon tetrachloride	Linear	50	48.90180	0.1000	-2.1964	20.0000
Chlorobenzene	Averaged	1.19398	1.22823	0.5000	2.8691	20.0000
Chloroethane	Averaged	0.18627	0.26917	0.1000	44.5026	20.0000
Chloroform	Averaged	0.52383	0.52472	0.2000	0.1713	20.0000
Chloromethane	Averaged	0.32945	0.44797	0.1000	35.9758	20.0000
2-Chlorotoluene	Averaged	2.76265	2.72458	0.0000	-1.3778	20.0000
4-Chlorotoluene	Averaged	0.95960	0.97482	0.0000	1.5865	20.0000
Dibromochloromethane	Linear	50	46.22103	0.1000	-7.5579	20.0000
1,2-Dibromoethane (EDB)	Averaged	0.22678	0.24177	0.1000	6.6080	20.0000
Dibromomethane	Averaged	0.11691	0.12235	0.0000	4.6537	20.0000
1,2-Dichlorobenzene	Averaged	1.74694	1.75212	0.4000	0.2968	20.0000
1,3-Dichlorobenzene	Averaged	1.97812	1.97644	0.6000	-0.0849	20.0000
1,4-Dichlorobenzene	Averaged	1.97312	1.95981	0.5000	-0.6742	20.0000
trans-1,4-Dichloro-2-butene	Linear	50	43.60436	0.0000	-12.7913	20.0000
Dichlorodifluoromethane	Averaged	0.38732	0.45088	0.1000	16.4092	20.0000
1,1-Dichloroethane	Averaged	0.53885	0.56858	0.2000	5.5173	20.0000
1,2-Dichloroethane	Averaged	0.33109	0.32642	0.1000	-1.4106	20.0000
1,1-Dichloroethene	Averaged	0.27261	0.31495	0.1000	15.5302	20.0000
cis-1,2-Dichloroethene	Averaged	0.32007	0.34122	0.1000	6.6074	20.0000
trans-1,2-Dichloroethene	Averaged	0.31514	0.33872	0.1000	7.4817	20.0000
1,2-Dichloropropane	Averaged	0.26617	0.28995	0.1000	8.9336	20.0000
1,3-Dichloropropane	Averaged	0.48044	0.47624	0.0000	-0.8749	20.0000

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

07/21/2014 8:52

MSV - FORM VII VOA-2
MSV CONTINUING CALIBRATION DATA

SAMPLE NO.

6928514CCV

Lab Name: Pace Analytical - Indiana

Calibration Date: 07/02/2014 Time: 21:58

Instrument ID: 50MV3A GC Column: Col 1

Init. Calib. Date(s): 06/19/2014 06/19/2014

Lab File ID: A070214.B\C01CCV.D

Init. Calib. Time(s): 14:46 18:33

SDG No.: 5099688

COMPOUND	CURVE	RRF or Amount	RRF or Amount	MIN RRF	%D	MAX %D
2,2-Dichloropropane	Linear	50	51.59059	0.0000	3.1812	20.0000
1,1-Dichloropropene	Averaged	0.46475	0.48386	0.0000	4.1127	20.0000
cis-1,3-Dichloropropene	Linear	50	47.30110	0.2000	-5.3978	20.0000
trans-1,3-Dichloropropene	Linear	50	46.87920	0.1000	-6.2416	20.0000
Ethylbenzene	Averaged	0.71162	0.74843	0.1000	5.1721	20.0000
Ethyl methacrylate	Linear	50	47.56378	0.0000	-4.8724	20.0000
Hexachloro-1,3-butadiene	Averaged	0.79681	0.91791	0.0000	15.1978	20.0000
n-Hexane	Averaged	0.54238	0.58295	0.0000	7.4813	20.0000
2-Hexanone	Averaged	0.15510	0.15670	0.0500	1.0268	20.0000
Iodomethane	Linear	100	101.4275	0.0000	1.4276	20.0000
Isopropylbenzene (Cumene)	Averaged	2.27358	2.37964	0.1000	4.6648	20.0000
p-Isopropyltoluene	Averaged	4.21357	4.25338	0.0000	0.9448	20.0000
Methylene Chloride	Linear	50	46.36022	0.1000	-7.2796	20.0000
4-Methyl-2-pentanone (MIBK)	Averaged	0.22688	0.22732	0.0500	0.1966	20.0000
Methyl-tert-butyl ether	Averaged	0.63151	0.67650	0.1000	7.1257	20.0000
Naphthalene	Averaged	2.17315	2.24404	0.0000	3.2622	20.0000
n-Propylbenzene	Averaged	4.93421	4.81794	0.0000	-2.3565	20.0000
Styrene	Averaged	1.33820	1.41573	0.3000	5.7938	20.0000
1,1,1,2-Tetrachloroethane	Averaged	0.35545	0.39087	0.0000	9.9646	20.0000
1,1,2,2-Tetrachloroethane	Averaged	0.56185	0.54245	0.3000	-3.4523	20.0000
Tetrachloroethene	Averaged	0.54340	0.62205	0.2000	14.4721	20.0000
Toluene	Averaged	1.89985	1.89220	0.4000	-0.4024	20.0000
1,2,3-Trichlorobenzene	Averaged	1.12976	1.17132	0.0000	3.6788	20.0000
1,2,4-Trichlorobenzene	Averaged	1.25874	1.32287	0.2000	5.0949	20.0000
1,1,1-Trichloroethane	Averaged	0.46448	0.49774	0.1000	7.1604	20.0000
1,1,2-Trichloroethane	Averaged	0.21274	0.21258	0.1000	-0.0765	20.0000
Trichloroethene	Averaged	0.31649	0.33348	0.2000	5.3692	20.0000
Trichlorofluoromethane	Averaged	0.51588	0.60683	0.1000	17.6310	20.0000
1,2,3-Trichloropropane	Linear	50	46.52275	0.0000	-6.9545	20.0000
1,2,4-Trimethylbenzene	Averaged	3.62301	3.65560	0.0000	0.8994	20.0000
1,3,5-Trimethylbenzene	Averaged	3.63181	3.64030	0.0000	0.2340	20.0000
Vinyl acetate	Linear	200	220.5924	0.0000	10.2962	20.0000
Vinyl chloride	Linear	50	68.62069	0.1000	37.2414	20.0000
m&p-Xylene	Averaged	0.86717	0.90414	0.1000	4.2640	20.0000
o-Xylene	Averaged	0.81069	0.85088	0.3000	4.9581	20.0000
4-Bromofluorobenzene (S)	Averaged	0.46624	0.45819	0.1000	-1.7269	20.0000

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

07/21/2014 8:52

MSV - FORM VII VOA-3
MSV CONTINUING CALIBRATION DATA

SAMPLE NO.

6928514CCV

Lab Name: Pace Analytical - Indiana Calibration Date: 07/02/2014 Time: 21:58
Instrument ID: 50MV3A GC Column: Col 1 Init. Calib. Date(s): 06/19/2014 06/19/2014
Lab File ID: A070214.B\C01CCV.D Init. Calib. Time(s): 14:46 18:33
SDG No.: 5099688

COMPOUND	CURVE	RRF or Amount	RRF or Amount	MIN RRF	%D	MAX %D
Dibromofluoromethane (S)	Averaged	0.23245	0.22418	0.1000	-3.5591	20.0000
Toluene-d8 (S)	Averaged	1.32790	1.26771	0.1000	-4.5330	20.0000

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

07/21/2014 8:52

MSV - FORM VII VOA-1
MSV CONTINUING CALIBRATION DATA

SAMPLE NO.

6929190CCV

Lab Name: Pace Analytical - Indiana

Calibration Date: 07/03/2014 Time: 10:24

Instrument ID: 50MV3A GC Column: Col 1

Init. Calib. Date(s): 06/19/2014 06/19/2014

Lab File ID: A070314.B\A01CCV.D

Init. Calib. Time(s): 14:46 18:33

SDG No.: 5099688

COMPOUND	CURVE	RRF or Amount	RRF or Amount	MIN RRF	%D	MAX %D
Acetone	Averaged	0.04368	0.04571	0.0100	4.6497	20.0000
Acrolein	Averaged	0.01900	0.02116	0.0000	11.3515	20.0000
Acrylonitrile	Averaged	0.05429	0.05842	0.0000	7.6061	20.0000
Benzene	Averaged	1.15876	1.23984	0.5000	6.9974	20.0000
Bromobenzene	Averaged	0.77261	0.79684	0.0000	3.1359	20.0000
Bromochloromethane	Averaged	0.16241	0.16693	0.0000	2.7808	20.0000
Bromodichloromethane	Averaged	0.33715	0.34625	0.2000	2.6974	20.0000
Bromoform	Linear	50	42.72050	0.1000	-14.5590	20.0000
Bromomethane	Linear	50	50.33629	0.1000	0.6726	20.0000
2-Butanone (MEK)	Averaged	0.07131	0.07313	0.0100	2.5629	20.0000
n-Butylbenzene	Averaged	3.79286	3.86058	0.0000	1.7854	20.0000
sec-Butylbenzene	Averaged	4.84291	4.82861	0.0000	-0.2953	20.0000
tert-Butylbenzene	Averaged	3.90583	3.87907	0.0000	-0.6852	20.0000
Carbon disulfide	Averaged	0.79497	0.88678	0.1000	11.5488	20.0000
Carbon tetrachloride	Linear	50	49.80829	0.1000	-0.3834	20.0000
Chlorobenzene	Averaged	1.19398	1.24744	0.5000	4.4778	20.0000
Chloroethane	Averaged	0.18627	0.24025	0.1000	28.9780	20.0000
Chloroform	Averaged	0.52383	0.52577	0.2000	0.3708	20.0000
Chloromethane	Averaged	0.32945	0.40783	0.1000	23.7925	20.0000
2-Chlorotoluene	Averaged	2.76265	2.74841	0.0000	-0.5154	20.0000
4-Chlorotoluene	Averaged	0.95960	0.98644	0.0000	2.7973	20.0000
Dibromochloromethane	Linear	50	45.44025	0.1000	-9.1195	20.0000
1,2-Dibromoethane (EDB)	Averaged	0.22678	0.24791	0.1000	9.3144	20.0000
Dibromomethane	Averaged	0.11691	0.11676	0.0000	-0.1287	20.0000
1,2-Dichlorobenzene	Averaged	1.74694	1.74590	0.4000	-0.0594	20.0000
1,3-Dichlorobenzene	Averaged	1.97812	1.99184	0.6000	0.6938	20.0000
1,4-Dichlorobenzene	Averaged	1.97312	1.98683	0.5000	0.6947	20.0000
trans-1,4-Dichloro-2-butene	Linear	50	50.37011	0.0000	0.7402	20.0000
Dichlorodifluoromethane	Averaged	0.38732	0.41971	0.1000	8.3619	20.0000
1,1-Dichloroethane	Averaged	0.53885	0.55918	0.2000	3.7729	20.0000
1,2-Dichloroethane	Averaged	0.33109	0.32879	0.1000	-0.6936	20.0000
1,1-Dichloroethene	Averaged	0.27261	0.30873	0.1000	13.2514	20.0000
cis-1,2-Dichloroethene	Averaged	0.32007	0.32749	0.1000	2.3168	20.0000
trans-1,2-Dichloroethene	Averaged	0.31514	0.32416	0.1000	2.8618	20.0000
1,2-Dichloropropane	Averaged	0.26617	0.28394	0.1000	6.6747	20.0000
1,3-Dichloropropane	Averaged	0.48044	0.47049	0.0000	-2.0700	20.0000

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

07/21/2014 8:53

MSV - FORM VII VOA-2
MSV CONTINUING CALIBRATION DATA

SAMPLE NO.

6929190CCV

Lab Name: Pace Analytical - Indiana

Calibration Date: 07/03/2014 Time: 10:24

Instrument ID: 50MV3A GC Column: Col 1

Init. Calib. Date(s): 06/19/2014 06/19/2014

Lab File ID: A070314.B/A01CCV.D

Init. Calib. Time(s): 14:46 18:33

SDG No.: 5099688

COMPOUND	CURVE	RRF or Amount	RRF or Amount	MIN RRF	%D	MAX %D
2,2-Dichloropropane	Linear	50	53.22009	0.0000	6.4402	20.0000
1,1-Dichloropropene	Averaged	0.46475	0.47881	0.0000	3.0252	20.0000
cis-1,3-Dichloropropene	Linear	50	47.51266	0.2000	-4.9747	20.0000
trans-1,3-Dichloropropene	Linear	50	47.74353	0.1000	-4.5129	20.0000
Ethylbenzene	Averaged	0.71162	0.74886	0.1000	5.2328	20.0000
Ethyl methacrylate	Linear	50	47.38935	0.0000	-5.2213	20.0000
Hexachloro-1,3-butadiene	Averaged	0.79681	0.88840	0.0000	11.4944	20.0000
n-Hexane	Averaged	0.54238	0.55902	0.0000	3.0681	20.0000
2-Hexanone	Averaged	0.15510	0.15695	0.0500	1.1924	20.0000
Iodomethane	Linear	100	101.3698	0.0000	1.3699	20.0000
Isopropylbenzene (Cumene)	Averaged	2.27358	2.39964	0.1000	5.5445	20.0000
p-Isopropyltoluene	Averaged	4.21357	4.28561	0.0000	1.7098	20.0000
Methylene Chloride	Linear	50	44.82671	0.1000	-10.3466	20.0000
4-Methyl-2-pentanone (MIBK)	Averaged	0.22688	0.22608	0.0500	-0.3513	20.0000
Methyl-tert-butyl ether	Averaged	0.63151	0.66336	0.1000	5.0447	20.0000
Naphthalene	Averaged	2.17315	2.20599	0.0000	1.5110	20.0000
n-Propylbenzene	Averaged	4.93421	4.85711	0.0000	-1.5626	20.0000
Styrene	Averaged	1.33820	1.41983	0.3000	6.0999	20.0000
1,1,1,2-Tetrachloroethane	Averaged	0.35545	0.38975	0.0000	9.6486	20.0000
1,1,2,2-Tetrachloroethane	Averaged	0.56185	0.52345	0.3000	-6.8332	20.0000
Tetrachloroethene	Averaged	0.54340	0.60317	0.2000	10.9991	20.0000
Toluene	Averaged	1.89985	1.88917	0.4000	-0.5622	20.0000
1,2,3-Trichlorobenzene	Averaged	1.12976	1.19926	0.0000	6.1516	20.0000
1,2,4-Trichlorobenzene	Averaged	1.25874	1.38104	0.2000	9.7167	20.0000
1,1,1-Trichloroethane	Averaged	0.46448	0.48753	0.1000	4.9619	20.0000
1,1,2-Trichloroethane	Averaged	0.21274	0.21299	0.1000	0.1158	20.0000
Trichloroethene	Averaged	0.31649	0.33581	0.2000	6.1040	20.0000
Trichlorofluoromethane	Averaged	0.51588	0.58079	0.1000	12.5821	20.0000
1,2,3-Trichloropropane	Linear	50	47.20934	0.0000	-5.5813	20.0000
1,2,4-Trimethylbenzene	Averaged	3.62301	3.66608	0.0000	1.1887	20.0000
1,3,5-Trimethylbenzene	Averaged	3.63181	3.66656	0.0000	0.9570	20.0000
Vinyl acetate	Linear	200	199.6244	0.0000	-0.1878	20.0000
Vinyl chloride	Linear	50	60.84038	0.1000	21.6808	20.0000
m&p-Xylene	Averaged	0.86717	0.92532	0.1000	6.7061	20.0000
o-Xylene	Averaged	0.81069	0.84799	0.3000	4.6013	20.0000
4-Bromofluorobenzene (S)	Averaged	0.46624	0.46959	0.1000	0.7189	20.0000

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

07/21/2014 8:53

MSV - FORM VII VOA-3
MSV CONTINUING CALIBRATION DATA

SAMPLE NO.

6929190CCV

Lab Name: Pace Analytical - Indiana

Calibration Date: 07/03/2014 Time: 10:24

Instrument ID: 50MV3A GC Column: Col 1

Init. Calib. Date(s): 06/19/2014 06/19/2014

Lab File ID: A070314.B\A01CCV.D

Init. Calib. Time(s): 14:46 18:33

SDG No.: 5099688

COMPOUND	CURVE	RRF or Amount	RRF or Amount	MIN RRF	%D	MAX %D
Dibromofluoromethane (S)	Averaged	0.23245	0.22455	0.1000	-3.4002	20.0000
Toluene-d8 (S)	Averaged	1.32790	1.28537	0.1000	-3.2029	20.0000

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

07/21/2014 8:53

MSV - FORM VII VOA-1
MSV INITIAL CALIBRATION DATA

SAMPLE NO.

6906933ICV

Lab Name: Pace Analytical - Indiana

Calibration Date: 06/25/2014 Time: 21:03

Instrument ID: 50MV4B GC Column: Col 1

Init. Calib. Date(s): 06/25/2014 06/25/2014

Lab File ID: B062514CAL.B\B11ICV.D

Init. Calib. Time(s): 15:39 19:58

SDG No.: 5099688

COMPOUND	CURVE	RRF or Amount	RRF or Amount	MIN RRF	%D	MAX %D
Acetone	Linear	250	231.3142	0.0100	-7.4743	20.0000
Acrolein	Averaged	0.20530	0.20670	0.0000	-9.1566	20.0000
Acrylonitrile	Averaged	0.42885	0.42327	0.0000	-2.1811	20.0000
Benzene	Averaged	3.26978	3.54724	0.5000	-4.7495	20.0000
Bromobenzene	Averaged	1.56694	1.67833	0.0000	-1.3633	20.0000
Bromochloromethane	Averaged	1.12150	1.16378	0.0000	-8.9992	20.0000
Bromodichloromethane	Averaged	0.84358	1.01508	0.2000	9.5576	20.0000
Bromoform	Linear	50	43.03025	0.1000	-13.9395	20.0000
Bromomethane	Averaged	0.39388	0.58953	0.1000	-3.0059	20.0000
2-Butanone (MEK)	Averaged	0.51064	0.54272	0.0100	1.0184	20.0000
n-Butylbenzene	Linear	50	45.88973	0.0000	-8.2205	20.0000
sec-Butylbenzene	Averaged	7.82427	9.51254	0.0000	7.5929	20.0000
tert-Butylbenzene	Averaged	7.46251	8.00887	0.0000	7.2473	20.0000
Carbon disulfide	Averaged	1.91310	2.16238	0.1000	-1.9414	20.0000
Carbon tetrachloride	Averaged	0.78785	0.93917	0.1000	9.0473	20.0000
Chlorobenzene	Averaged	3.12289	3.23774	0.5000	-7.3793	20.0000
Chloroethane	Averaged	0.78152	0.74041	0.1000	-27.5269	20.0000
Chloroform	Averaged	1.38151	1.46769	0.2000	-5.2839	20.0000
Chloromethane	Averaged	1.91860	1.85343	0.1000	-13.9651	20.0000
2-Chlorotoluene	Averaged	7.41258	7.35548	0.0000	-3.7759	20.0000
4-Chlorotoluene	Averaged	2.54127	2.83340	0.0000	1.5952	20.0000
Dibromochloromethane	Linear	50	44.95610	0.1000	-10.0878	20.0000
1,2-Dibromoethane (EDB)	Averaged	0.87812	0.99061	0.1000	7.5630	20.0000
Dibromomethane	Averaged	0.46877	0.48379	0.0000	1.3889	20.0000
1,2-Dichlorobenzene	Averaged	4.20977	4.45546	0.4000	0.7843	20.0000
1,3-Dichlorobenzene	Averaged	4.47647	4.77453	0.6000	1.0667	20.0000
1,4-Dichlorobenzene	Averaged	4.56469	4.66826	0.5000	-5.5865	20.0000
trans-1,4-Dichloro-2-butene	Linear	50	196.1052	0.0000	292.2104	20.0000
Dichlorodifluoromethane	Averaged	1.13406	1.08805	0.1000	-9.6352	20.0000
1,1-Dichloroethane	Averaged	1.66666	1.69055	0.2000	-8.6377	20.0000
1,2-Dichloroethane	Averaged	1.31434	1.29892	0.1000	-7.4857	20.0000
1,1-Dichloroethene	Averaged	0.73335	0.73212	0.1000	-6.7822	20.0000
cis-1,2-Dichloroethene	Averaged	0.90799	0.98703	0.1000	2.0393	20.0000
trans-1,2-Dichloroethene	Averaged	0.76427	0.81090	0.1000	-3.6781	20.0000
1,2-Dichloropropane	Averaged	0.95674	1.04552	0.1000	2.0460	20.0000
1,3-Dichloropropane	Averaged	1.50115	1.45464	0.0000	-5.3623	20.0000

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

07/21/2014 8:53

MSV - FORM VII VOA-2
MSV INITIAL CALIBRATION DATA

SAMPLE NO.

6906933ICV

Lab Name: Pace Analytical - Indiana

Calibration Date: 06/25/2014 Time: 21:03

Instrument ID: 50MV4B GC Column: Col 1

Init. Calib. Date(s): 06/25/2014 06/25/2014

Lab File ID: B062514CAL.B\B11ICV.D

Init. Calib. Time(s): 15:39 19:58

SDG No.: 5099688

COMPOUND	CURVE	RRF or Amount	RRF or Amount	MIN RRF	%D	MAX %D
2,2-Dichloropropane	Linear	50	46.16424	0.0000	-7.6715	20.0000
1,1-Dichloropropene	Averaged	1.04915	1.16467	0.0000	-0.2473	20.0000
cis-1,3-Dichloropropene	Linear	50	47.30861	0.2000	-5.3828	20.0000
trans-1,3-Dichloropropene	Linear	50	44.46877	0.1000	-11.0625	20.0000
Ethylbenzene	Averaged	1.50836	1.78836	0.1000	4.1496	20.0000
Ethyl methacrylate	Linear	50	191.2361	0.0000	282.4722	20.0000
Hexachloro-1,3-butadiene	Averaged	0.86274	0.91720	0.0000	-1.4815	20.0000
n-Hexane	Averaged	1.64877	1.51104	0.0000	-13.6862	20.0000
2-Hexanone	Averaged	0.80663	0.97792	0.0500	16.6911	20.0000
Iodomethane	Linear	100	87.11624	0.0000	-12.8838	20.0000
Isopropylbenzene (Cumene)	Linear	50	56.58072	0.1000	13.1614	20.0000
p-Isopropyltoluene	Linear	50	47.37651	0.0000	-5.2470	20.0000
Methylene Chloride	Linear	50	50.34673	0.1000	0.6935	20.0000
4-Methyl-2-pentanone (MIBK)	Averaged	1.22923	1.46795	0.0500	13.2778	20.0000
Methyl-tert-butyl ether	Averaged	1.50499	1.59275	0.1000	4.0905	20.0000
Naphthalene	Linear	50	46.63702	0.0000	-6.7259	20.0000
n-Propylbenzene	Averaged	10.10444	12.08117	0.0000	4.0479	20.0000
Styrene	Linear	50	54.78253	0.3000	9.5651	20.0000
1,1,1,2-Tetrachloroethane	Linear	50	48.51008	0.1000	-2.9798	20.0000
1,1,2,2-Tetrachloroethane	Averaged	3.02655	2.54623	0.3000	-9.0538	20.0000
Tetrachloroethene	Averaged	1.19318	1.19750	0.2000	3.5116	20.0000
Toluene	Averaged	4.47320	4.76223	0.4000	-7.7960	20.0000
1,2,3-Trichlorobenzene	Linear	50	45.21385	0.0000	-9.5723	20.0000
1,2,4-Trichlorobenzene	Linear	50	43.62130	0.2000	-12.7574	20.0000
1,1,1-Trichloroethane	Averaged	0.99418	1.17046	0.1000	5.7151	20.0000
1,1,2-Trichloroethane	Averaged	0.74987	0.74235	0.1000	-5.3502	20.0000
Trichloroethene	Averaged	0.80310	0.88934	0.2000	0.4604	20.0000
Trichlorofluoromethane	Averaged	1.37419	1.25458	0.1000	-10.4177	20.0000
1,2,3-Trichloropropane	Averaged	0.92886	0.77390	0.0000	-7.7265	20.0000
1,2,4-Trimethylbenzene	Linear	50	52.38918	0.0000	4.7784	20.0000
1,3,5-Trimethylbenzene	Averaged	6.56726	7.81731	0.0000	2.9615	20.0000
Vinyl acetate	Averaged	2.40823	2.70999	0.0000	6.4448	20.0000
Vinyl chloride	Averaged	1.32613	1.32671	0.1000	-8.8951	20.0000
m&p-Xylene	Averaged	1.73512	2.11687	0.1000	4.0711	20.0000
o-Xylene	Averaged	1.63660	2.07355	0.3000	7.1760	20.0000
4-Bromofluorobenzene (S)	Averaged	0.41844	0.43746	0.1000	-1.4990	20.0000

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

07/21/2014 8:53

MSV - FORM VII VOA-3
MSV INITIAL CALIBRATION DATA

SAMPLE NO.

6906933ICV

Lab Name: Pace Analytical - Indiana Calibration Date: 06/25/2014 Time: 21:03
Instrument ID: 50MV4B GC Column: Col 1 Init. Calib. Date(s): 06/25/2014 06/25/2014
Lab File ID: B062514CAL.B\B11ICV.D Init. Calib. Time(s): 15:39 19:58
SDG No.: 5099688

COMPOUND	CURVE	RRF or Amount	RRF or Amount	MIN RRF	%D	MAX %D
Dibromofluoromethane (S)	Averaged	0.25444	0.25046	0.1000	1.1614	20.0000
Toluene-d8 (S)	Averaged	1.26050	1.23247	0.1000	-5.1819	20.0000

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

07/21/2014 8:53

MSV - FORM VII VOA-1
MSV CONTINUING CALIBRATION DATA

SAMPLE NO.

6931425CCV

Lab Name: Pace Analytical - Indiana

Calibration Date: 07/01/2014 Time: 12:28

Instrument ID: 50MV4B GC Column: Col 1

Init. Calib. Date(s): 06/30/2014 06/30/2014

Lab File ID: B070114.B\B02CCV.D

Init. Calib. Time(s): 11:59 16:17

SDG No.: 5099688

COMPOUND	CURVE	RRF or Amount	RRF or Amount	MIN RRF	%D	MAX %D
Acetone	Linear	250	320.2847	0.0100	28.1139	20.0000
Acrolein	Averaged	0.20829	0.20387	0.0000	-2.1248	20.0000
Acrylonitrile	Linear	1000	1090.798	0.0000	9.0798	20.0000
Benzene	Averaged	3.37990	3.57469	0.5000	5.7631	20.0000
Bromobenzene	Averaged	1.67669	1.72210	0.0000	2.7083	20.0000
Bromochloromethane	Averaged	1.34858	1.35978	0.0000	0.8308	20.0000
Bromodichloromethane	Averaged	0.95495	1.07250	0.2000	12.3099	20.0000
Bromoform	Linear	50	44.25991	0.1000	-11.4802	20.0000
Bromomethane	Linear	50	79.91046	0.1000	59.8209	20.0000
2-Butanone (MEK)	Averaged	0.60634	0.73617	0.0100	21.4116	20.0000
n-Butylbenzene	Linear	50	44.89404	0.0000	-10.2119	20.0000
sec-Butylbenzene	Averaged	8.10170	9.91832	0.0000	22.4226	20.0000
tert-Butylbenzene	Averaged	7.83503	8.16025	0.0000	4.1509	20.0000
Carbon disulfide	Averaged	1.87598	2.11939	0.1000	12.9755	20.0000
Carbon tetrachloride	Averaged	0.95938	1.08115	0.1000	12.6928	20.0000
Chlorobenzene	Averaged	3.19225	3.21632	0.5000	0.7540	20.0000
Chloroethane	Averaged	0.78453	0.72261	0.1000	-7.8926	20.0000
Chloroform	Averaged	1.55005	1.55404	0.2000	0.2573	20.0000
Chloromethane	Averaged	1.88296	1.88954	0.1000	0.3495	20.0000
2-Chlorotoluene	Averaged	7.93157	7.87671	0.0000	-0.6917	20.0000
4-Chlorotoluene	Averaged	2.60902	2.79155	0.0000	6.9962	20.0000
Dibromochloromethane	Linear	50	44.83594	0.1000	-10.3281	20.0000
1,2-Dibromoethane (EDB)	Averaged	0.93780	1.04188	0.1000	11.0983	20.0000
Dibromomethane	Averaged	0.51798	0.52948	0.0000	2.2204	20.0000
1,2-Dichlorobenzene	Averaged	4.41293	4.65856	0.4000	5.5661	20.0000
1,3-Dichlorobenzene	Averaged	4.79933	4.87799	0.6000	1.6388	20.0000
1,4-Dichlorobenzene	Averaged	4.64292	4.69435	0.5000	1.1078	20.0000
trans-1,4-Dichloro-2-butene	Linear	50	234.0529	0.0000	368.1059	20.0000
Dichlorodifluoromethane	Averaged	1.01107	1.10239	0.1000	9.0317	20.0000
1,1-Dichloroethane	Averaged	1.78154	1.92852	0.2000	8.2503	20.0000
1,2-Dichloroethane	Averaged	1.53329	1.46481	0.1000	-4.4662	20.0000
1,1-Dichloroethene	Averaged	0.75232	0.74033	0.1000	-1.5935	20.0000
cis-1,2-Dichloroethene	Averaged	0.97255	1.00117	0.1000	2.9428	20.0000
trans-1,2-Dichloroethene	Averaged	0.83597	0.79844	0.1000	-4.4897	20.0000
1,2-Dichloropropane	Averaged	1.02683	1.08465	0.1000	5.6308	20.0000
1,3-Dichloropropane	Averaged	1.54065	1.59326	0.0000	3.4150	20.0000

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

07/21/2014 8:53

MSV - FORM VII VOA-2
MSV CONTINUING CALIBRATION DATA

SAMPLE NO.

6931425CCV

Lab Name: Pace Analytical - Indiana

Calibration Date: 07/01/2014 Time: 12:28

Instrument ID: 50MV4B GC Column: Col 1

Init. Calib. Date(s): 06/30/2014 06/30/2014

Lab File ID: B070114.B\B02CCV.D

Init. Calib. Time(s): 11:59 16:17

SDG No.: 5099688

COMPOUND	CURVE	RRF or Amount	RRF or Amount	MIN RRF	%D	MAX %D
2,2-Dichloropropane	Linear	50	47.43161	0.0000	-5.1368	20.0000
1,1-Dichloropropene	Averaged	1.09502	1.23145	0.0000	12.4599	20.0000
cis-1,3-Dichloropropene	Linear	50	47.87327	0.2000	-4.2534	20.0000
trans-1,3-Dichloropropene	Linear	50	45.31960	0.1000	-9.3608	20.0000
Ethylbenzene	Averaged	1.57573	1.74400	0.1000	10.6787	20.0000
Ethyl methacrylate	Linear	50	215.5814	0.0000	331.1629	20.0000
Hexachloro-1,3-butadiene	Averaged	0.87192	0.92723	0.0000	6.3439	20.0000
n-Hexane	Averaged	1.71391	1.79033	0.0000	4.4591	20.0000
2-Hexanone	Averaged	0.92288	1.25255	0.0500	35.7218	20.0000
Iodomethane	Linear	100	99.83608	0.0000	-0.1639	20.0000
Isopropylbenzene (Cumene)	Linear	50	55.98965	0.1000	11.9793	20.0000
p-Isopropyltoluene	Linear	50	46.41027	0.0000	-7.1794	20.0000
Methylene Chloride	Linear	50	49.53972	0.1000	-0.9206	20.0000
4-Methyl-2-pentanone (MIBK)	Averaged	1.42713	1.85623	0.0500	30.0673	20.0000
Methyl-tert-butyl ether	Averaged	1.60865	1.58334	0.1000	-1.5735	20.0000
Naphthalene	Linear	50	51.97073	0.0000	3.9415	20.0000
n-Propylbenzene	Averaged	10.68470	12.56904	0.0000	17.6359	20.0000
Styrene	Linear	50	53.82679	0.3000	7.6536	20.0000
1,1,1,2-Tetrachloroethane	Averaged	0.92870	1.10920	0.1000	19.4365	20.0000
1,1,2,2-Tetrachloroethane	Linear	50	55.29249	0.3000	10.5850	20.0000
Tetrachloroethene	Averaged	1.25038	1.21059	0.2000	-3.1824	20.0000
Toluene	Averaged	4.66202	4.78938	0.4000	2.7321	20.0000
1,2,3-Trichlorobenzene	Linear	50	45.94993	0.0000	-8.1001	20.0000
1,2,4-Trichlorobenzene	Linear	50	43.49706	0.2000	-13.0059	20.0000
1,1,1-Trichloroethane	Averaged	1.10177	1.24224	0.1000	12.7498	20.0000
1,1,2-Trichloroethane	Averaged	0.78325	0.79366	0.1000	1.3290	20.0000
Trichloroethene	Averaged	0.89946	0.90832	0.2000	0.9847	20.0000
Trichlorofluoromethane	Averaged	1.45469	1.45313	0.1000	-0.1069	20.0000
1,2,3-Trichloropropane	Linear	50	54.84623	0.0000	9.6925	20.0000
1,2,4-Trimethylbenzene	Averaged	6.19756	7.51851	0.0000	21.3141	20.0000
1,3,5-Trimethylbenzene	Averaged	7.05506	8.14966	0.0000	15.5151	20.0000
Vinyl acetate	Averaged	2.72663	3.35300	0.0000	22.9723	20.0000
Vinyl chloride	Averaged	1.26628	1.31789	0.1000	4.0754	20.0000
m&p-Xylene	Averaged	1.81871	2.09233	0.1000	15.0447	20.0000
o-Xylene	Averaged	1.73574	2.03066	0.3000	16.9908	20.0000
4-Bromofluorobenzene (S)	Averaged	0.42231	0.44914	0.1000	6.3550	20.0000

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

07/21/2014 8:53

MSV - FORM VII VOA-3
MSV CONTINUING CALIBRATION DATA

SAMPLE NO.

6931425CCV

Lab Name: Pace Analytical - Indiana Calibration Date: 07/01/2014 Time: 12:28
Instrument ID: 50MV4B GC Column: Col 1 Init. Calib. Date(s): 06/30/2014 06/30/2014
Lab File ID: B070114.B\B02CCV.D Init. Calib. Time(s): 11:59 16:17
SDG No.: 5099688

COMPOUND	CURVE	RRF or Amount	RRF or Amount	MIN RRF	%D	MAX %D
Dibromofluoromethane (S)	Averaged	0.26360	0.26107	0.1000	-0.9572	20.0000
Toluene-d8 (S)	Averaged	1.24824	1.25347	0.1000	0.4188	20.0000

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

07/21/2014 8:53

MSV - FORM VIII VOA-1
MSV INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Pace Analytical - Indiana SDG No.: 5099688 Contract: Sibley-Accucast/2339-356-03-00
 Sample ID : 6923019CCV Init. Calib. Date: 06/19/2014 Time: 06/19/2014
 Instrument ID: 50MV3A GC Column: Col 1 Date Analyzed: 07/02/2014
 Lab File ID: A070214.BVA01CCV.D Time Analyzed: 10:03

		AREA CBZ	RT	AREA DCB	RT	AREA FBZ	RT
12 HOUR STD		74049	7.523	42989	9.008	94058	4.453
UPPER LIMIT		148098	8.023	85978	9.508	188116	4.953
LOWER LIMIT		37024.5	7.023	21494.5	8.508	47029	3.953
LAB SAMPLE ID	SAMPLE NO.						
1122044	1122044BLANK	77806	7.524	44318	9.009	99668	4.449
1122045	1122045LCS	78433	7.522	45632	9.008	100823	4.452
1122048	1122048MS	88335	7.523	49671	9.009	111630	4.453
1122049	1122049MSD	85438	7.521	48576	9.007	108309	4.451
5099688001	TMW-5(12-14)	87037	7.525	47217	9.005	110006	4.449
5099688002	TMW-5(2-4)	82161	7.524	46044	9.009	104748	4.449
5099688003	TMW-4(14-16)	83872	7.522	46003	9.007	106179	4.451
5099688004	TMW-4(5-7)	86428	7.526	47997	9.006	110944	4.451

CBZ = Chlorobenzene-D5 (IS)

DCB = 1,4-Dichlorobenzene-d4 (IS)

FBZ = Fluorobenzene (IS)

AREA UPPER LIMIT = 200% of Internal Standard Area

AREA LOWER LIMIT = 50% of Internal Standard Area

RT UPPER LIMIT = +0.50 minutes of Internal Standard RT

RT LOWER LIMIT = -0.50 minutes of Internal Standard RT

* Values outside of QC Limits

MSV - FORM VIII VOA-1
MSV INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Pace Analytical - Indiana SDG No.: 5099688 Contract: Sibley-Accucast/2339-356-03-00
 Sample ID : 6928514CCV Init. Calib. Date: 06/19/2014 Time: 06/19/2014
 Instrument ID: 50MV3A GC Column: Col 1 Date Analyzed: 07/02/2014
 Lab File ID: A070214.B\C01CCV.D Time Analyzed: 21:58

		AREA CBZ	RT	AREA DCB	RT	AREA FBZ	RT
12 HOUR STD		73136	7.522	41980	9.008	93975	4.447
UPPER LIMIT		146272	8.022	83960	9.508	187950	4.947
LOWER LIMIT		36568	7.022	20990	8.508	46987.5	3.947
LAB SAMPLE ID	SAMPLE NO.						
1122064	1122064BLANK	72021	7.522	40837	9.007	90477	4.452
1122065	1122065LCS	80280	7.525	45481	9.005	101196	4.45
1122066	1122066MS	74806	7.524	42260	9.004	93514	4.449
5099688005	P-5(10-12)	80621	7.521	44302	9.007	99890	4.451
5099688006	P-5(2-4)	80367	7.522	45345	9.008	101042	4.452
5099688007	TMW-6(14-16)	77684	7.524	42819	9.005	98185	4.449
5099688008	TMW-6(2-4)	71678	7.522	38843	9.008	88889	4.447
5099688009	P-6(10-12)	79447	7.522	44301	9.008	99307	4.452
5099688010	P-6(2-4)	79227	7.522	42957	9.007	99140	4.451

CBZ = Chlorobenzene-D5 (IS)

DCB = 1,4-Dichlorobenzene-d4 (IS)

FBZ = Fluorobenzene (IS)

AREA UPPER LIMIT = 200% of Internal Standard Area

AREA LOWER LIMIT = 50% of Internal Standard Area

RT UPPER LIMIT = +0.50 minutes of Internal Standard RT

RT LOWER LIMIT = -0.50 minutes of Internal Standard RT

* Values outside of QC Limits

MSV - FORM VIII VOA-1
MSV INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Pace Analytical - Indiana SDG No.: 5099688 Contract: Sibley-Accucast/2339-356-03-00
 Sample ID : 6929190CCV Init. Calib. Date: 06/19/2014 Time: 06/19/2014
 Instrument ID: 50MV3A GC Column: Col 1 Date Analyzed: 07/03/2014
 Lab File ID: A070314.BVA01CCV.D Time Analyzed: 10:24

		AREA CBZ	RT	AREA DCB	RT	AREA FBZ	RT
12 HOUR STD		70817	7.522	41444	9.007	93482	4.451
UPPER LIMIT		141634	8.022	82888	9.507	186964	4.951
LOWER LIMIT		35408.5	7.022	20722	8.507	46741	3.951
LAB SAMPLE ID	SAMPLE NO.						
1122067	1122067MSD	82070	7.521	44353	9.007	108259	4.451

CBZ = Chlorobenzene-D5 (IS)

DCB = 1,4-Dichlorobenzene-d4 (IS)

FBZ = Fluorobenzene (IS)

AREA UPPER LIMIT = 200% of Internal Standard Area

AREA LOWER LIMIT = 50% of Internal Standard Area

RT UPPER LIMIT = +0.50 minutes of Internal Standard RT

RT LOWER LIMIT = -0.50 minutes of Internal Standard RT

* Values outside of QC Limits

MSV - FORM VIII VOA-1
MSV INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Pace Analytical - Indiana SDG No.: 5099688 Contract: Sibley-Accucast/2339-356-03-00
 Sample ID : 6931425CCV Init. Calib. Date: 06/30/2014 Time: 06/30/2014
 Instrument ID: 50MV4B GC Column: Col 1 Date Analyzed: 07/01/2014
 Lab File ID: B070114.B\B02CCV.D Time Analyzed: 12:28

		AREA CBZ	RT	AREA DCB	RT	AREA FBZ	RT
12 HOUR STD		279676	7.875	121773	9.286	349025	5.169
UPPER LIMIT		559352	8.375	243546	9.786	698050	5.669
LOWER LIMIT		139838	7.375	60886.5	8.786	174512.5	4.669
LAB SAMPLE ID	SAMPLE NO.						
1121182	1121182BLANK	262904	7.875	75547	9.286	323174	5.163
1121183	1121183LCS	279676	7.875	121773	9.286	349025	5.169
5099688013	SOIL EQ BLANK	268002	7.875	73144	9.292	323478	5.163

CBZ = Chlorobenzene-D5 (IS)

DCB = 1,4-Dichlorobenzene-d4 (IS)

FBZ = Fluorobenzene (IS)

AREA UPPER LIMIT = 200% of Internal Standard Area

AREA LOWER LIMIT = 50% of Internal Standard Area

RT UPPER LIMIT = +0.50 minutes of Internal Standard RT

RT LOWER LIMIT = -0.50 minutes of Internal Standard RT

* Values outside of QC Limits

MSV - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TMW-5(12-14)

Lab Name: Pace Analytical - Indiana
Date Received: 06/21/2014 10:54
Date Extracted: 07/02/2014 18:11
Date Analyzed: 07/02/2014 18:11
Initial wt/vol: 5.162 g Final wt/vol: 5 mL Dilution: 1

Contract: Sibley-Accucast/2339-356-03-00
Matrix: Solid SDG No.: 5099688
Lab Sample ID: 5099688001
Lab File ID: A070214.BVA16.D
Instrument: 50MV3A Percent Moisture: 4.7%

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
67-64-1	Acetone	ND	U
107-02-8	Acrolein	ND	U
107-13-1	Acrylonitrile	ND	U
71-43-2	Benzene	ND	U
108-86-1	Bromobenzene	ND	U
74-97-5	Bromochloromethane	ND	U
75-27-4	Bromodichloromethane	ND	U
75-25-2	Bromoform	ND	U
74-83-9	Bromomethane	ND	U
78-93-3	2-Butanone (MEK)	ND	U
104-51-8	n-Butylbenzene	ND	U
135-98-8	sec-Butylbenzene	ND	U
98-06-6	tert-Butylbenzene	ND	U
75-15-0	Carbon disulfide	ND	U
56-23-5	Carbon tetrachloride	ND	U
108-90-7	Chlorobenzene	ND	U
75-00-3	Chloroethane	ND	U
67-66-3	Chloroform	ND	U
74-87-3	Chloromethane	ND	U
95-49-8	2-Chlorotoluene	ND	U
106-43-4	4-Chlorotoluene	ND	U
124-48-1	Dibromochloromethane	ND	U
106-93-4	1,2-Dibromoethane (EDB)	ND	U
74-95-3	Dibromomethane	ND	U
95-50-1	1,2-Dichlorobenzene	ND	U
541-73-1	1,3-Dichlorobenzene	ND	U
106-46-7	1,4-Dichlorobenzene	ND	U
110-57-6	trans-1,4-Dichloro-2-butene	ND	U
75-71-8	Dichlorodifluoromethane	ND	U
75-34-3	1,1-Dichloroethane	ND	U
107-06-2	1,2-Dichloroethane	ND	U
75-35-4	1,1-Dichloroethene	ND	U
156-59-2	cis-1,2-Dichloroethene	ND	U
156-60-5	trans-1,2-Dichloroethene	ND	U
78-87-5	1,2-Dichloropropane	ND	U
142-28-9	1,3-Dichloropropane	ND	U
594-20-7	2,2-Dichloropropane	ND	U

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MSV - FORM I VOA-2
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TMW-5(12-14)

Lab Name: Pace Analytical - Indiana
Date Received: 06/21/2014 10:54
Date Extracted: 07/02/2014 18:11
Date Analyzed: 07/02/2014 18:11
Initial wt/vol: 5.162 g Final wt/vol: 5 mL Dilution: 1

Contract: Sibley-Accucast/2339-356-03-00
Matrix: Solid SDG No.: 5099688
Lab Sample ID: 5099688001
Lab File ID: A070214.BVA16.D
Instrument: 50MV3A Percent Moisture: 4.7%

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
563-58-6	1,1-Dichloropropene	ND	U
10061-01-5	cis-1,3-Dichloropropene	ND	U
10061-02-6	trans-1,3-Dichloropropene	ND	U
100-41-4	Ethylbenzene	ND	U
97-63-2	Ethyl methacrylate	ND	U
87-68-3	Hexachloro-1,3-butadiene	ND	U
110-54-3	n-Hexane	ND	U
591-78-6	2-Hexanone	ND	U
74-88-4	Iodomethane	ND	U
98-82-8	Isopropylbenzene (Cumene)	ND	U
99-87-6	p-Isopropyltoluene	ND	U
75-09-2	Methylene Chloride	ND	U
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	U
1634-04-4	Methyl-tert-butyl ether	ND	U
91-20-3	Naphthalene	ND	U
103-65-1	n-Propylbenzene	ND	U
100-42-5	Styrene	ND	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	U
127-18-4	Tetrachloroethene	ND	U
108-88-3	Toluene	ND	U
87-61-6	1,2,3-Trichlorobenzene	ND	U
120-82-1	1,2,4-Trichlorobenzene	ND	U
71-55-6	1,1,1-Trichloroethane	ND	U
79-00-5	1,1,2-Trichloroethane	ND	U
79-01-6	Trichloroethene	ND	U
75-69-4	Trichlorofluoromethane	ND	U
96-18-4	1,2,3-Trichloropropane	ND	U
95-63-6	1,2,4-Trimethylbenzene	ND	U
108-67-8	1,3,5-Trimethylbenzene	ND	U
108-05-4	Vinyl acetate	ND	U
75-01-4	Vinyl chloride	ND	U
1330-20-7	Xylene (Total)	ND	U

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Pace Analytical Services, Inc.

Data file : \\192.168.50.6\chem\50mv3a.i\a070214.b\a16.d
 Lab Smp Id: 5099688001 Client Smp ID: TMW-5(12-14)
 Inj Date : 02-JUL-2014 18:11
 Operator : jlz Inst ID: 50mv3a.i
 Smp Info : 5099688001
 Misc Info : 66411
 Comment :
 Method : \\192.168.50.6\chem\50mv3a.i\a070214.b\ -a8260_a_c.m
 Meth Date : 03-Jul-2014 11:07 50mv3a.i Quant Type: ISTD
 Cal Date : 19-JUN-2014 18:33 Cal File: a08cal.d
 Als bottle: 33
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: all.sub
 Target Version: 4.14

Concentration Formula: Amt * DF * Uf/(Ws*(100-M)/100)) * CpndVariable

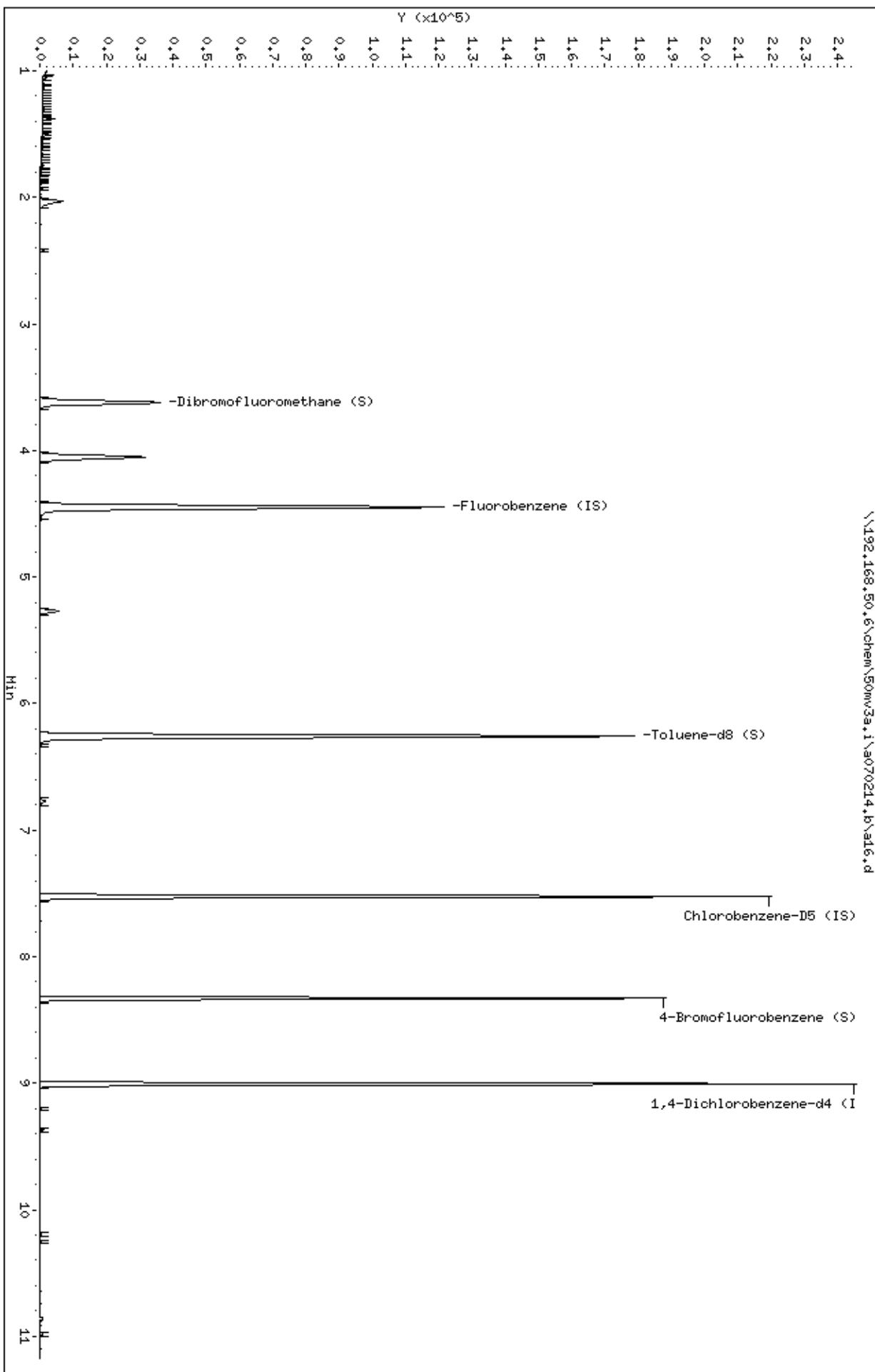
Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Ws	5.000	Weight of sample extracted (g)
M	4.708	% Moisture (not decanted)
Va	0.00000	Volume of aliquot extract added (uL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT	SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS		REVIEW C
							ON-COLUMN (ug/L)	FINAL (ppb)	
\$ 32 Dibromofluoromethane (S)	113		3.617	3.626	(0.813)	24378	47.6675	50.0	
* 41 Fluorobenzene (IS)	96		4.449	4.452	(1.000)	110006	50.0000		
\$ 52 Toluene-d8 (S)	98		6.259	6.256	(0.832)	108160	46.7915	49.1	
* 62 Chlorobenzene-D5 (IS)	117		7.524	7.522	(1.000)	87037	50.0000		
\$ 71 4-Bromofluorobenzene (S)	95		8.330	8.328	(1.107)	39257	48.3698	50.8	
* 85 1,4-Dichlorobenzene-d4 (IS)	152		9.004	9.008	(1.000)	47217	50.0000		

Data File: \\192.168.50.6\chem\50mw3a.1\9070214.b\916.d
Date: 02-JUL-2014 18:11
Client ID: TMM-5(12-14)
Sample Info: 5099688001
Column phase: DB-624

Instrument: 50mw3a.1
Operator: JIZ
Column diameter: 0.18

\\192.168.50.6\chem\50mw3a.1\9070214.b\916.d



Data File: \\192.168.50.6\chem\50mv3a.i\a070214.b/a16.d
Injection Date: 02-JUL-2014 18:11
Instrument: 50mv3a.i
Lab Sample ID: 5099688001
NO SIGNAL MANUAL INTEGRATIONS DONE FOR THIS DATA FILE

MSV - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TMW-5(2-4)

Lab Name: Pace Analytical - Indiana
Date Received: 06/21/2014 10:54
Date Extracted: 07/02/2014 19:48
Date Analyzed: 07/02/2014 19:48
Initial wt/vol: 4.482 g Final wt/vol: 5 mL Dilution: 1

Contract: Sibley-Accucast/2339-356-03-00
Matrix: Solid SDG No.: 5099688
Lab Sample ID: 5099688002
Lab File ID: A070214.BVA19.D
Instrument: 50MV3A Percent Moisture: 5.8%

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
67-64-1	Acetone	ND	U
107-02-8	Acrolein	ND	U
107-13-1	Acrylonitrile	ND	U
71-43-2	Benzene	ND	U
108-86-1	Bromobenzene	ND	U
74-97-5	Bromochloromethane	ND	U
75-27-4	Bromodichloromethane	ND	U
75-25-2	Bromoform	ND	U
74-83-9	Bromomethane	ND	U
78-93-3	2-Butanone (MEK)	ND	U
104-51-8	n-Butylbenzene	ND	U
135-98-8	sec-Butylbenzene	ND	U
98-06-6	tert-Butylbenzene	ND	U
75-15-0	Carbon disulfide	ND	U
56-23-5	Carbon tetrachloride	ND	U
108-90-7	Chlorobenzene	ND	U
75-00-3	Chloroethane	ND	U
67-66-3	Chloroform	ND	U
74-87-3	Chloromethane	ND	U
95-49-8	2-Chlorotoluene	ND	U
106-43-4	4-Chlorotoluene	ND	U
124-48-1	Dibromochloromethane	ND	U
106-93-4	1,2-Dibromoethane (EDB)	ND	U
74-95-3	Dibromomethane	ND	U
95-50-1	1,2-Dichlorobenzene	ND	U
541-73-1	1,3-Dichlorobenzene	ND	U
106-46-7	1,4-Dichlorobenzene	ND	U
110-57-6	trans-1,4-Dichloro-2-butene	ND	U
75-71-8	Dichlorodifluoromethane	ND	U
75-34-3	1,1-Dichloroethane	ND	U
107-06-2	1,2-Dichloroethane	ND	U
75-35-4	1,1-Dichloroethene	ND	U
156-59-2	cis-1,2-Dichloroethene	ND	U
156-60-5	trans-1,2-Dichloroethene	ND	U
78-87-5	1,2-Dichloropropane	ND	U
142-28-9	1,3-Dichloropropane	ND	U
594-20-7	2,2-Dichloropropane	ND	U

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MSV - FORM I VOA-2
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TMW-5(2-4)

Lab Name: Pace Analytical - Indiana
 Date Received: 06/21/2014 10:54
 Date Extracted: 07/02/2014 19:48
 Date Analyzed: 07/02/2014 19:48
 Initial wt/vol: 4.482 g Final wt/vol: 5 mL Dilution: 1

Contract: Sibley-Accucast/2339-356-03-00
 Matrix: Solid SDG No.: 5099688
 Lab Sample ID: 5099688002
 Lab File ID: A070214.BVA19.D
 Instrument: 50MV3A Percent Moisture: 5.8%

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
563-58-6	1,1-Dichloropropene	ND	U
10061-01-5	cis-1,3-Dichloropropene	ND	U
10061-02-6	trans-1,3-Dichloropropene	ND	U
100-41-4	Ethylbenzene	ND	U
97-63-2	Ethyl methacrylate	ND	U
87-68-3	Hexachloro-1,3-butadiene	ND	U
110-54-3	n-Hexane	ND	U
591-78-6	2-Hexanone	ND	U
74-88-4	Iodomethane	ND	U
98-82-8	Isopropylbenzene (Cumene)	ND	U
99-87-6	p-Isopropyltoluene	ND	U
75-09-2	Methylene Chloride	ND	U
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	U
1634-04-4	Methyl-tert-butyl ether	ND	U
91-20-3	Naphthalene	ND	U
103-65-1	n-Propylbenzene	ND	U
100-42-5	Styrene	ND	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	U
127-18-4	Tetrachloroethene	ND	U
108-88-3	Toluene	ND	U
87-61-6	1,2,3-Trichlorobenzene	ND	U
120-82-1	1,2,4-Trichlorobenzene	ND	U
71-55-6	1,1,1-Trichloroethane	ND	U
79-00-5	1,1,2-Trichloroethane	ND	U
79-01-6	Trichloroethene	ND	U
75-69-4	Trichlorofluoromethane	ND	U
96-18-4	1,2,3-Trichloropropane	ND	U
95-63-6	1,2,4-Trimethylbenzene	ND	U
108-67-8	1,3,5-Trimethylbenzene	ND	U
108-05-4	Vinyl acetate	ND	U
75-01-4	Vinyl chloride	ND	U
1330-20-7	Xylene (Total)	ND	U

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Pace Analytical Services, Inc.

Data file : \\192.168.50.6\chem\50mv3a.i\a070214.b\a19.d
 Lab Smp Id: 5099688002 Client Smp ID: TMW-5(2-4)
 Inj Date : 02-JUL-2014 19:48
 Operator : jlz Inst ID: 50mv3a.i
 Smp Info : 5099688002
 Misc Info : 66411
 Comment :
 Method : \\192.168.50.6\chem\50mv3a.i\a070214.b\ -a8260_a_c.m
 Meth Date : 03-Jul-2014 11:07 50mv3a.i Quant Type: ISTD
 Cal Date : 19-JUN-2014 18:33 Cal File: a08cal.d
 Als bottle: 39
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: all.sub
 Target Version: 4.14

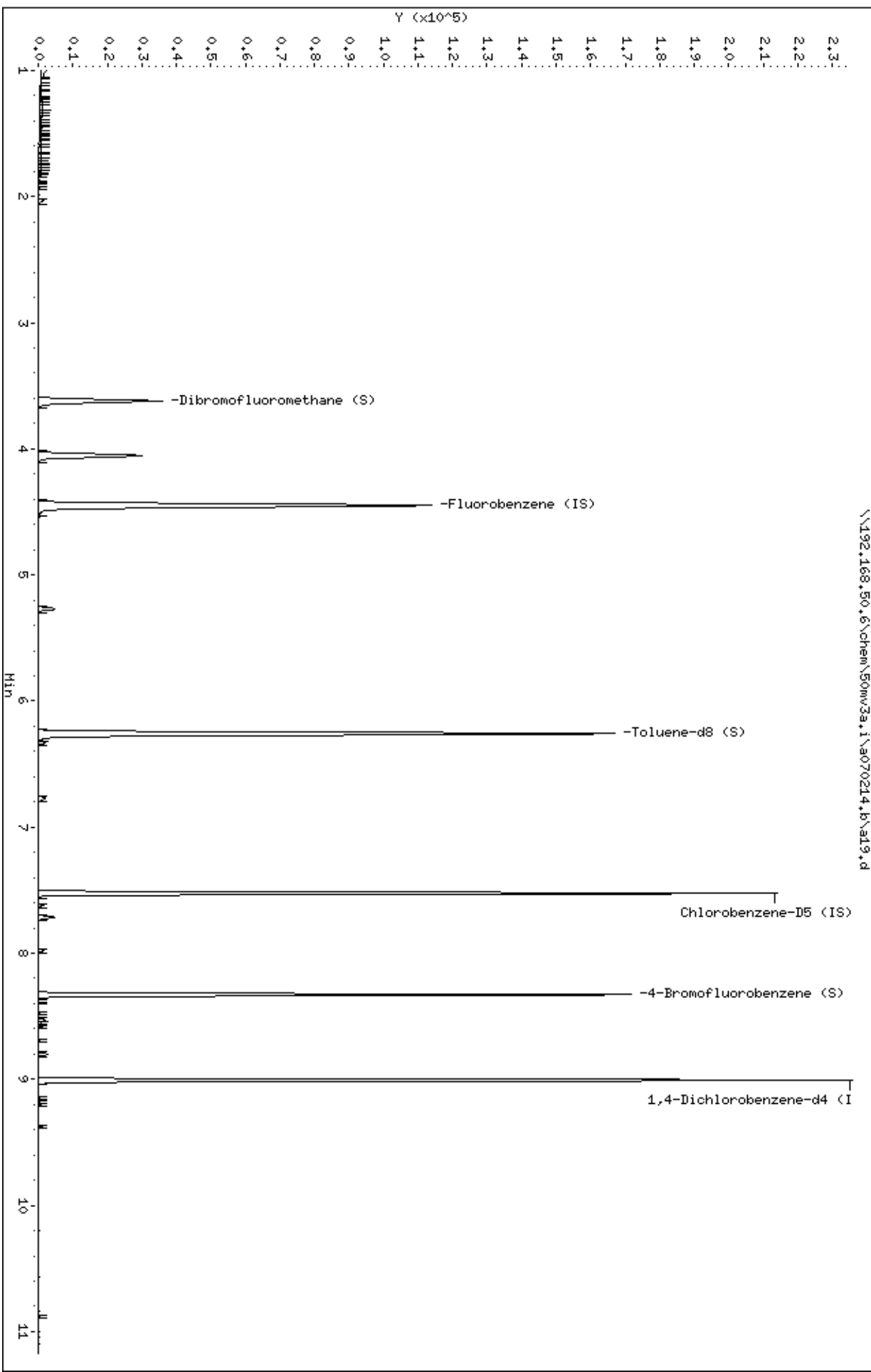
Concentration Formula: Amt * DF * Uf/(Ws*(100-M)/100)) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Ws	5.000	Weight of sample extracted (g)
M	5.829	% Moisture (not decanted)
Va	0.00000	Volume of aliquot extract added (uL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT	SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS		REVIEW C
							ON-COLUMN (ug/L)	FINAL (ppb)	
\$ 32 Dibromofluoromethane (S)	113		3.622	3.626	(0.814)	22757	46.7316	49.6	
* 41 Fluorobenzene (IS)	96		4.448	4.452	(1.000)	104748	50.0000		
\$ 52 Toluene-d8 (S)	98		6.258	6.256	(0.832)	102110	46.7958	49.7	
* 62 Chlorobenzene-D5 (IS)	117		7.523	7.522	(1.000)	82161	50.0000		
\$ 71 4-Bromofluorobenzene (S)	95		8.329	8.328	(1.107)	37377	48.7865	51.8	
* 85 1,4-Dichlorobenzene-d4 (IS)	152		9.009	9.008	(1.000)	46044	50.0000		

Review Codes Legend

:



Data File: \\192.168.50.6\chem\50mv3a.i\a070214.b/a19.d
Injection Date: 02-JUL-2014 19:48
Instrument: 50mv3a.i
Lab Sample ID: 5099688002
NO SIGNAL MANUAL INTEGRATIONS DONE FOR THIS DATA FILE

MSV - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TMW-4(14-16)

Lab Name: Pace Analytical - Indiana
Date Received: 06/21/2014 10:54
Date Extracted: 07/02/2014 20:21
Date Analyzed: 07/02/2014 20:21
Initial wt/vol: 5.052 g Final wt/vol: 5 mL Dilution: 1

Contract: Sibley-Accucast/2339-356-03-00
Matrix: Solid SDG No.: 5099688
Lab Sample ID: 5099688003
Lab File ID: A070214.BVA20.D
Instrument: 50MV3A Percent Moisture: 10.9%

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
67-64-1	Acetone	ND	U
107-02-8	Acrolein	ND	U
107-13-1	Acrylonitrile	ND	U
71-43-2	Benzene	ND	U
108-86-1	Bromobenzene	ND	U
74-97-5	Bromochloromethane	ND	U
75-27-4	Bromodichloromethane	ND	U
75-25-2	Bromoform	ND	U
74-83-9	Bromomethane	ND	U
78-93-3	2-Butanone (MEK)	ND	U
104-51-8	n-Butylbenzene	ND	U
135-98-8	sec-Butylbenzene	ND	U
98-06-6	tert-Butylbenzene	ND	U
75-15-0	Carbon disulfide	ND	U
56-23-5	Carbon tetrachloride	ND	U
108-90-7	Chlorobenzene	ND	U
75-00-3	Chloroethane	ND	U
67-66-3	Chloroform	ND	U
74-87-3	Chloromethane	ND	U
95-49-8	2-Chlorotoluene	ND	U
106-43-4	4-Chlorotoluene	ND	U
124-48-1	Dibromochloromethane	ND	U
106-93-4	1,2-Dibromoethane (EDB)	ND	U
74-95-3	Dibromomethane	ND	U
95-50-1	1,2-Dichlorobenzene	ND	U
541-73-1	1,3-Dichlorobenzene	ND	U
106-46-7	1,4-Dichlorobenzene	ND	U
110-57-6	trans-1,4-Dichloro-2-butene	ND	U
75-71-8	Dichlorodifluoromethane	ND	U
75-34-3	1,1-Dichloroethane	ND	U
107-06-2	1,2-Dichloroethane	ND	U
75-35-4	1,1-Dichloroethene	ND	U
156-59-2	cis-1,2-Dichloroethene	ND	U
156-60-5	trans-1,2-Dichloroethene	ND	U
78-87-5	1,2-Dichloropropane	ND	U
142-28-9	1,3-Dichloropropane	ND	U
594-20-7	2,2-Dichloropropane	ND	U

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MSV - FORM I VOA-2
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TMW-4(14-16)

Lab Name: Pace Analytical - Indiana
Date Received: 06/21/2014 10:54
Date Extracted: 07/02/2014 20:21
Date Analyzed: 07/02/2014 20:21
Initial wt/vol: 5.052 g Final wt/vol: 5 mL Dilution: 1

Contract: Sibley-Accucast/2339-356-03-00
Matrix: Solid SDG No.: 5099688
Lab Sample ID: 5099688003
Lab File ID: A070214.BVA20.D
Instrument: 50MV3A Percent Moisture: 10.9%

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
563-58-6	1,1-Dichloropropene	ND	U
10061-01-5	cis-1,3-Dichloropropene	ND	U
10061-02-6	trans-1,3-Dichloropropene	ND	U
100-41-4	Ethylbenzene	ND	U
97-63-2	Ethyl methacrylate	ND	U
87-68-3	Hexachloro-1,3-butadiene	ND	U
110-54-3	n-Hexane	ND	U
591-78-6	2-Hexanone	ND	U
74-88-4	Iodomethane	ND	U
98-82-8	Isopropylbenzene (Cumene)	ND	U
99-87-6	p-Isopropyltoluene	ND	U
75-09-2	Methylene Chloride	ND	U
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	U
1634-04-4	Methyl-tert-butyl ether	ND	U
91-20-3	Naphthalene	ND	U
103-65-1	n-Propylbenzene	ND	U
100-42-5	Styrene	ND	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	U
127-18-4	Tetrachloroethene	ND	U
108-88-3	Toluene	ND	U
87-61-6	1,2,3-Trichlorobenzene	ND	U
120-82-1	1,2,4-Trichlorobenzene	ND	U
71-55-6	1,1,1-Trichloroethane	ND	U
79-00-5	1,1,2-Trichloroethane	ND	U
79-01-6	Trichloroethene	ND	U
75-69-4	Trichlorofluoromethane	ND	U
96-18-4	1,2,3-Trichloropropane	ND	U
95-63-6	1,2,4-Trimethylbenzene	ND	U
108-67-8	1,3,5-Trimethylbenzene	ND	U
108-05-4	Vinyl acetate	ND	U
75-01-4	Vinyl chloride	ND	U
1330-20-7	Xylene (Total)	ND	U

07/21/2014 8:53

Pace Analytical Services, Inc.

Data file : \\192.168.50.6\chem\50mv3a.i\a070214.b\a20.d
 Lab Smp Id: 5099688003 Client Smp ID: TMW-4(14-16)
 Inj Date : 02-JUL-2014 20:21
 Operator : jlz Inst ID: 50mv3a.i
 Smp Info : 5099688003
 Misc Info : 66411
 Comment :
 Method : \\192.168.50.6\chem\50mv3a.i\a070214.b\ -a8260_a_c.m
 Meth Date : 03-Jul-2014 11:07 50mv3a.i Quant Type: ISTD
 Cal Date : 19-JUN-2014 18:33 Cal File: a08cal.d
 Als bottle: 41
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: all.sub
 Target Version: 4.14

Concentration Formula: Amt * DF * Uf/(Ws*(100-M)/100)) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Ws	5.000	Weight of sample extracted (g)
M	10.918	% Moisture (not decanted)
Va	0.00000	Volume of aliquot extract added (uL)
Cpnd Variable		Local Compound Variable

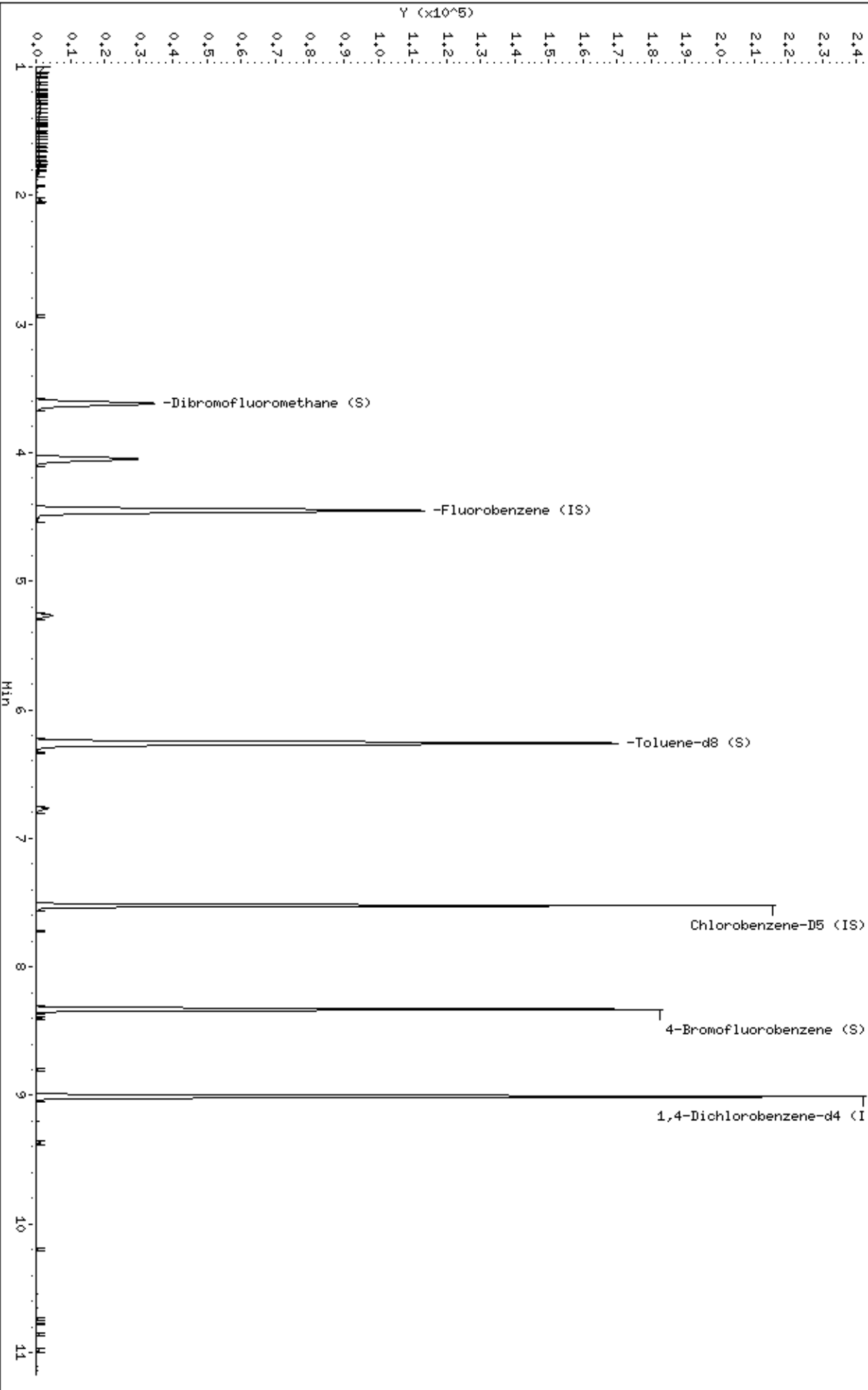
Compounds	QUANT	SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS		REVIEW C
							ON-COLUMN (ug/L)	FINAL (ppb)	
\$ 32 Dibromofluoromethane (S)	113		3.619	3.626	(0.813)	23445	47.4955	53.3	
* 41 Fluorobenzene (IS)	96		4.451	4.452	(1.000)	106179	50.0000		
\$ 52 Toluene-d8 (S)	98		6.261	6.256	(0.832)	104948	47.1152	52.9	
* 62 Chlorobenzene-D5 (IS)	117		7.521	7.522	(1.000)	83872	50.0000		
\$ 71 4-Bromofluorobenzene (S)	95		8.332	8.328	(1.108)	38446	49.1582	55.2	
* 85 1,4-Dichlorobenzene-d4 (IS)	152		9.006	9.008	(1.000)	46003	50.0000		

Data File: \\192.168.50.6\chem\50mw3a.1\9070214.b\20.d
Date: 02-JUL-2014 20:21
Client ID: TMM-4(14-16)
Sample Info: 5099688003

Column phase: DB-624

Instrument: 50mw3a.1
Operator: JIZ
Column diameter: 0.18

\\192.168.50.6\chem\50mw3a.1\9070214.b\20.d



Data File: \\192.168.50.6\chem\50mv3a.i\a070214.b/a20.d
Injection Date: 02-JUL-2014 20:21
Instrument: 50mv3a.i
Lab Sample ID: 5099688003
NO SIGNAL MANUAL INTEGRATIONS DONE FOR THIS DATA FILE

MSV - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TMW-4(5-7)

Lab Name: Pace Analytical - Indiana
Date Received: 06/21/2014 10:54
Date Extracted: 07/02/2014 20:53
Date Analyzed: 07/02/2014 20:53
Initial wt/vol: 5.612 g Final wt/vol: 5 mL Dilution: 1

Contract: Sibley-Accucast/2339-356-03-00
Matrix: Solid SDG No.: 5099688
Lab Sample ID: 5099688004
Lab File ID: A070214.BVA21.D
Instrument: 50MV3A Percent Moisture: 4.4%

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
67-64-1	Acetone	ND	U
107-02-8	Acrolein	ND	U
107-13-1	Acrylonitrile	ND	U
71-43-2	Benzene	ND	U
108-86-1	Bromobenzene	ND	U
74-97-5	Bromochloromethane	ND	U
75-27-4	Bromodichloromethane	ND	U
75-25-2	Bromoform	ND	U
74-83-9	Bromomethane	ND	U
78-93-3	2-Butanone (MEK)	ND	U
104-51-8	n-Butylbenzene	ND	U
135-98-8	sec-Butylbenzene	ND	U
98-06-6	tert-Butylbenzene	ND	U
75-15-0	Carbon disulfide	ND	U
56-23-5	Carbon tetrachloride	ND	U
108-90-7	Chlorobenzene	ND	U
75-00-3	Chloroethane	ND	U
67-66-3	Chloroform	ND	U
74-87-3	Chloromethane	ND	U
95-49-8	2-Chlorotoluene	ND	U
106-43-4	4-Chlorotoluene	ND	U
124-48-1	Dibromochloromethane	ND	U
106-93-4	1,2-Dibromoethane (EDB)	ND	U
74-95-3	Dibromomethane	ND	U
95-50-1	1,2-Dichlorobenzene	ND	U
541-73-1	1,3-Dichlorobenzene	ND	U
106-46-7	1,4-Dichlorobenzene	ND	U
110-57-6	trans-1,4-Dichloro-2-butene	ND	U
75-71-8	Dichlorodifluoromethane	ND	U
75-34-3	1,1-Dichloroethane	ND	U
107-06-2	1,2-Dichloroethane	ND	U
75-35-4	1,1-Dichloroethene	ND	U
156-59-2	cis-1,2-Dichloroethene	ND	U
156-60-5	trans-1,2-Dichloroethene	ND	U
78-87-5	1,2-Dichloropropane	ND	U
142-28-9	1,3-Dichloropropane	ND	U
594-20-7	2,2-Dichloropropane	ND	U

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MSV - FORM I VOA-2
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TMW-4(5-7)

Lab Name: Pace Analytical - Indiana
Date Received: 06/21/2014 10:54
Date Extracted: 07/02/2014 20:53
Date Analyzed: 07/02/2014 20:53
Initial wt/vol: 5.612 g Final wt/vol: 5 mL Dilution: 1

Contract: Sibley-Accucast/2339-356-03-00
Matrix: Solid SDG No.: 5099688
Lab Sample ID: 5099688004
Lab File ID: A070214.BVA21.D
Instrument: 50MV3A Percent Moisture: 4.4%

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
563-58-6	1,1-Dichloropropene	ND	U
10061-01-5	cis-1,3-Dichloropropene	ND	U
10061-02-6	trans-1,3-Dichloropropene	ND	U
100-41-4	Ethylbenzene	ND	U
97-63-2	Ethyl methacrylate	ND	U
87-68-3	Hexachloro-1,3-butadiene	ND	U
110-54-3	n-Hexane	ND	U
591-78-6	2-Hexanone	ND	U
74-88-4	Iodomethane	ND	U
98-82-8	Isopropylbenzene (Cumene)	ND	U
99-87-6	p-Isopropyltoluene	ND	U
75-09-2	Methylene Chloride	ND	U
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	U
1634-04-4	Methyl-tert-butyl ether	ND	U
91-20-3	Naphthalene	ND	U
103-65-1	n-Propylbenzene	ND	U
100-42-5	Styrene	ND	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	U
127-18-4	Tetrachloroethene	ND	U
108-88-3	Toluene	ND	U
87-61-6	1,2,3-Trichlorobenzene	ND	U
120-82-1	1,2,4-Trichlorobenzene	ND	U
71-55-6	1,1,1-Trichloroethane	ND	U
79-00-5	1,1,2-Trichloroethane	ND	U
79-01-6	Trichloroethene	ND	U
75-69-4	Trichlorofluoromethane	ND	U
96-18-4	1,2,3-Trichloropropane	ND	U
95-63-6	1,2,4-Trimethylbenzene	ND	U
108-67-8	1,3,5-Trimethylbenzene	ND	U
108-05-4	Vinyl acetate	ND	U
75-01-4	Vinyl chloride	ND	U
1330-20-7	Xylene (Total)	ND	U

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Pace Analytical Services, Inc.

Data file : \\192.168.50.6\chem\50mv3a.i\a070214.b\a21.d
 Lab Smp Id: 5099688004 Client Smp ID: TMW-4(5-7)
 Inj Date : 02-JUL-2014 20:53
 Operator : jlz Inst ID: 50mv3a.i
 Smp Info : 5099688004
 Misc Info : 66411
 Comment :
 Method : \\192.168.50.6\chem\50mv3a.i\a070214.b\ -a8260_a_c.m
 Meth Date : 03-Jul-2014 11:07 50mv3a.i Quant Type: ISTD
 Cal Date : 19-JUN-2014 18:33 Cal File: a08cal.d
 Als bottle: 43
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: all.sub
 Target Version: 4.14

Concentration Formula: Amt * DF * Uf/(Ws*(100-M)/100)) * CpndVariable

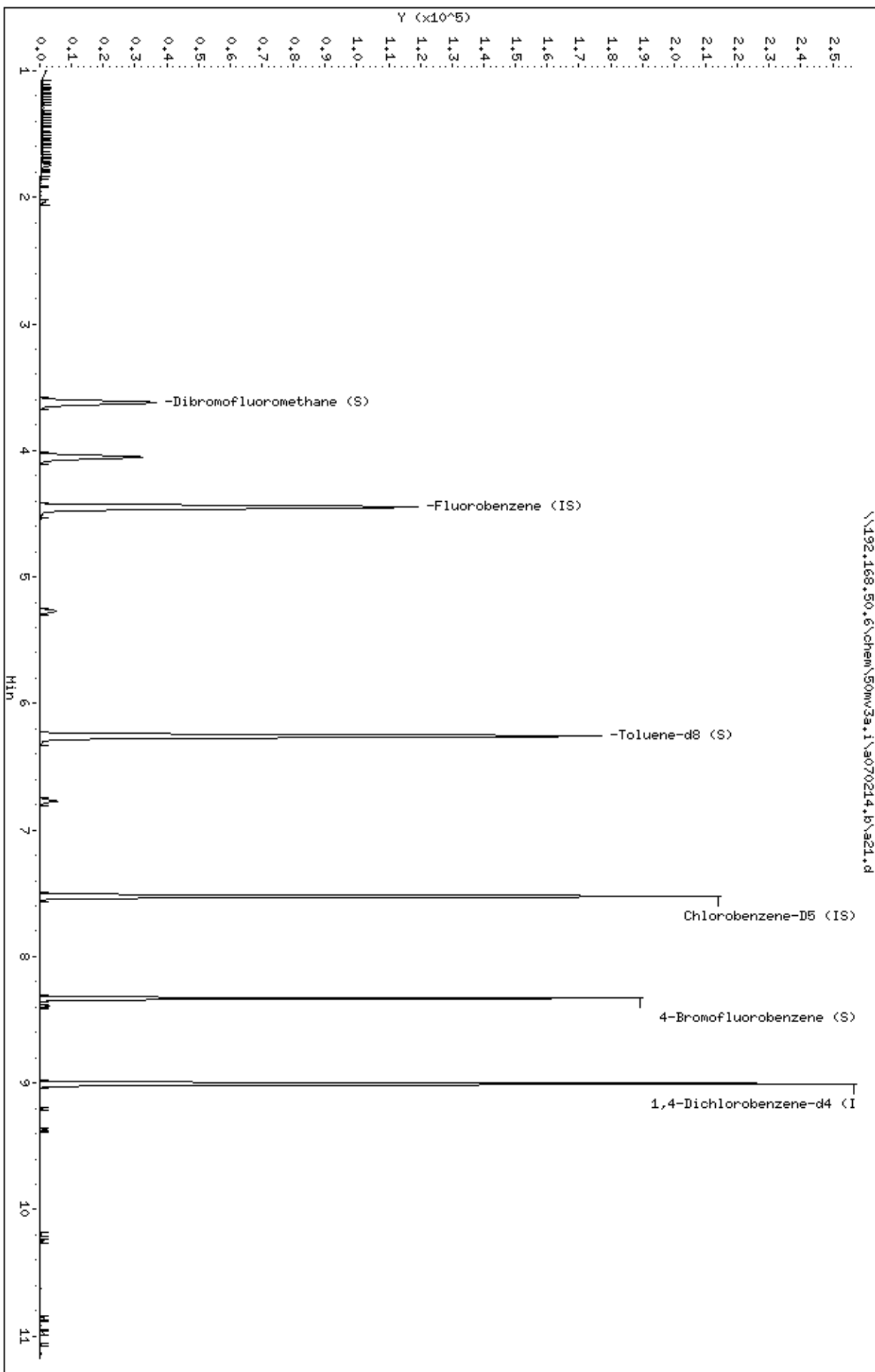
Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Ws	5.000	Weight of sample extracted (g)
M	4.378	% Moisture (not decanted)
Va	0.00000	Volume of aliquot extract added (uL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT	SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS		REVIEW C
							ON-COLUMN (ug/L)	FINAL (ppb)	
\$ 32 Dibromofluoromethane (S)	113		3.619	3.626	(0.813)	24493	47.4875	49.7	
* 41 Fluorobenzene (IS)	96		4.450	4.452	(1.000)	110944	50.0000		
\$ 52 Toluene-d8 (S)	98		6.260	6.256	(0.832)	107556	46.8581	49.0	
* 62 Chlorobenzene-D5 (IS)	117		7.526	7.522	(1.000)	86428	50.0000		
\$ 71 4-Bromofluorobenzene (S)	95		8.331	8.328	(1.107)	39528	49.0469	51.3	
* 85 1,4-Dichlorobenzene-d4 (IS)	152		9.006	9.008	(1.000)	47997	50.0000		

Data File: \\192.168.50.6\chem\50mw3a.1\9070214.b\21.d
Date: 02-JUL-2014 20:53
Client ID: TMM-4(5-7)
Sample Info: 5099688004
Column phase: DB-624

Instrument: 50mw3a.1
Operator: JIZ
Column diameter: 0.18

\\192.168.50.6\chem\50mw3a.1\9070214.b\21.d



Data File: \\192.168.50.6\chem\50mv3a.i\a070214.b/a21.d
Injection Date: 02-JUL-2014 20:53
Instrument: 50mv3a.i
Lab Sample ID: 5099688004
NO SIGNAL MANUAL INTEGRATIONS DONE FOR THIS DATA FILE

MSV - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

P-5(10-12)

Lab Name: Pace Analytical - Indiana
Date Received: 06/21/2014 10:54
Date Extracted: 07/03/2014 05:01
Date Analyzed: 07/03/2014 05:01
Initial wt/vol: 5.302 g Final wt/vol: 5 mL Dilution: 1

Contract: Sibley-Accucast/2339-356-03-00
Matrix: Solid SDG No.: 5099688
Lab Sample ID: 5099688005
Lab File ID: A070214.B\C14.D
Instrument: 50MV3A Percent Moisture: 3.9%

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
67-64-1	Acetone	ND	U
107-02-8	Acrolein	ND	U
107-13-1	Acrylonitrile	ND	U
71-43-2	Benzene	ND	U
108-86-1	Bromobenzene	ND	U
74-97-5	Bromochloromethane	ND	U
75-27-4	Bromodichloromethane	ND	U
75-25-2	Bromoform	ND	U
74-83-9	Bromomethane	ND	U
78-93-3	2-Butanone (MEK)	ND	U
104-51-8	n-Butylbenzene	ND	U
135-98-8	sec-Butylbenzene	ND	U
98-06-6	tert-Butylbenzene	ND	U
75-15-0	Carbon disulfide	ND	U
56-23-5	Carbon tetrachloride	ND	U
108-90-7	Chlorobenzene	ND	U
75-00-3	Chloroethane	ND	U
67-66-3	Chloroform	ND	U
74-87-3	Chloromethane	ND	U
95-49-8	2-Chlorotoluene	ND	U
106-43-4	4-Chlorotoluene	ND	U
124-48-1	Dibromochloromethane	ND	U
106-93-4	1,2-Dibromoethane (EDB)	ND	U
74-95-3	Dibromomethane	ND	U
95-50-1	1,2-Dichlorobenzene	ND	U
541-73-1	1,3-Dichlorobenzene	ND	U
106-46-7	1,4-Dichlorobenzene	ND	U
110-57-6	trans-1,4-Dichloro-2-butene	ND	U
75-71-8	Dichlorodifluoromethane	ND	U
75-34-3	1,1-Dichloroethane	ND	U
107-06-2	1,2-Dichloroethane	ND	U
75-35-4	1,1-Dichloroethene	ND	U
156-59-2	cis-1,2-Dichloroethene	ND	U
156-60-5	trans-1,2-Dichloroethene	ND	U
78-87-5	1,2-Dichloropropane	ND	U
142-28-9	1,3-Dichloropropane	ND	U
594-20-7	2,2-Dichloropropane	ND	U

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MSV - FORM I VOA-2
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

P-5(10-12)

Lab Name: Pace Analytical - Indiana
Date Received: 06/21/2014 10:54
Date Extracted: 07/03/2014 05:01
Date Analyzed: 07/03/2014 05:01
Initial wt/vol: 5.302 g Final wt/vol: 5 mL Dilution: 1

Contract: Sibley-Accucast/2339-356-03-00
Matrix: Solid SDG No.: 5099688
Lab Sample ID: 5099688005
Lab File ID: A070214.B\C14.D
Instrument: 50MV3A Percent Moisture: 3.9%

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
563-58-6	1,1-Dichloropropene	ND	U
10061-01-5	cis-1,3-Dichloropropene	ND	U
10061-02-6	trans-1,3-Dichloropropene	ND	U
100-41-4	Ethylbenzene	ND	U
97-63-2	Ethyl methacrylate	ND	U
87-68-3	Hexachloro-1,3-butadiene	ND	U
110-54-3	n-Hexane	ND	U
591-78-6	2-Hexanone	ND	U
74-88-4	Iodomethane	ND	U
98-82-8	Isopropylbenzene (Cumene)	ND	U
99-87-6	p-Isopropyltoluene	ND	U
75-09-2	Methylene Chloride	ND	U
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	U
1634-04-4	Methyl-tert-butyl ether	ND	U
91-20-3	Naphthalene	ND	U
103-65-1	n-Propylbenzene	ND	U
100-42-5	Styrene	ND	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	U
127-18-4	Tetrachloroethene	ND	U
108-88-3	Toluene	ND	U
87-61-6	1,2,3-Trichlorobenzene	ND	U
120-82-1	1,2,4-Trichlorobenzene	ND	U
71-55-6	1,1,1-Trichloroethane	ND	U
79-00-5	1,1,2-Trichloroethane	ND	U
79-01-6	Trichloroethene	ND	U
75-69-4	Trichlorofluoromethane	ND	U
96-18-4	1,2,3-Trichloropropane	ND	U
95-63-6	1,2,4-Trimethylbenzene	ND	U
108-67-8	1,3,5-Trimethylbenzene	ND	U
108-05-4	Vinyl acetate	ND	U
75-01-4	Vinyl chloride	ND	U
1330-20-7	Xylene (Total)	ND	U

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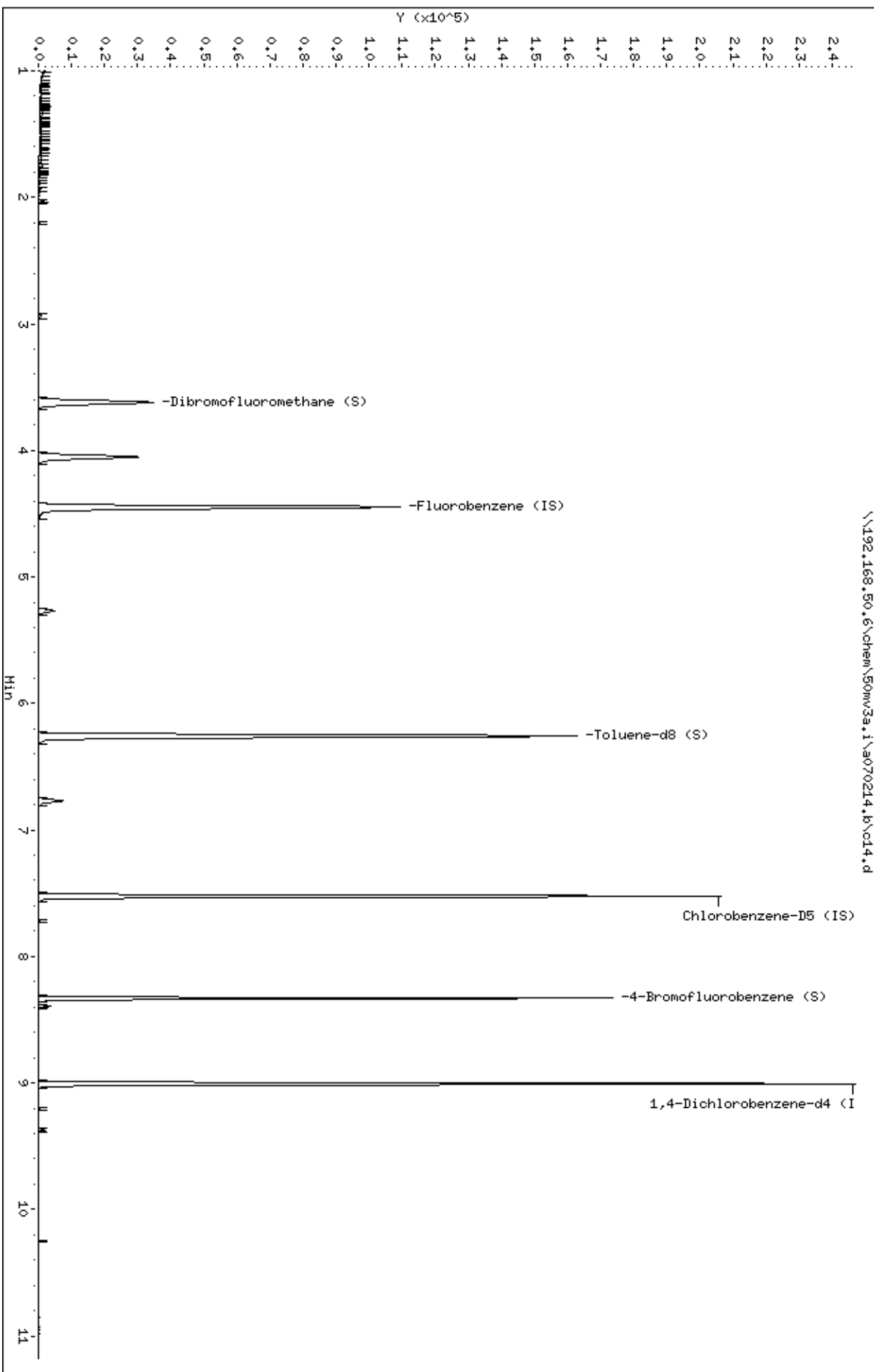
Pace Analytical Services, Inc.

Data file : \\192.168.50.6\chem\50mv3a.i\a070214.b\c14.d
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 Inj Date : 03-JUL-2014 05:01
 Operator : jlz Inst ID: 50mv3a.i
 Smp Info : 5099688005
 Misc Info : 66414
 Comment :
 Method : \\192.168.50.6\chem\50mv3a.i\a070214.b\ -a8260_a_c.m
 Meth Date : 03-Jul-2014 11:07 50mv3a.i Quant Type: ISTD
 Cal Date : 19-JUN-2014 18:33 Cal File: a08cal.d
 Als bottle: 73
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: all.sub
 Target Version: 4.14

Concentration Formula: Amt * DF * Uf/(Ws*(100-M)/100)) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Ws	5.000	Weight of sample extracted (g)
M	3.853	% Moisture (not decanted)
Va	0.00000	Volume of aliquot extract added (uL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT	SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS		REVIEW C
							ON-COLUMN (ug/L)	FINAL (ppb)	
\$ 32 Dibromofluoromethane (S)	113		3.619	3.626	(0.813)	23128	49.8032	51.8	
* 41 Fluorobenzene (IS)	96		4.451	4.452	(1.000)	99890	50.0000		
\$ 52 Toluene-d8 (S)	98		6.260	6.256	(0.832)	99242	46.3502	48.2	
* 62 Chlorobenzene-D5 (IS)	117		7.521	7.522	(1.000)	80621	50.0000		
\$ 71 4-Bromofluorobenzene (S)	95		8.332	8.328	(1.108)	37268	49.5735	51.6	
* 85 1,4-Dichlorobenzene-d4 (IS)	152		9.006	9.008	(1.000)	44302	50.0000		



Data File: \\192.168.50.6\chem\50mv3a.i\a070214.b/c14.d
Injection Date: 03-JUL-2014 05:01
Instrument: 50mv3a.i
Lab Sample ID: 5099688005
NO SIGNAL MANUAL INTEGRATIONS DONE FOR THIS DATA FILE

MSV - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

P-5(2-4)

Lab Name: Pace Analytical - Indiana
Date Received: 06/21/2014 10:54
Date Extracted: 07/03/2014 05:33
Date Analyzed: 07/03/2014 05:33
Initial wt/vol: 5.582 g Final wt/vol: 5 mL Dilution: 1

Contract: Sibley-Accucast/2339-356-03-00
Matrix: Solid SDG No.: 5099688
Lab Sample ID: 5099688006
Lab File ID: A070214.B\C15.D
Instrument: 50MV3A Percent Moisture: 4.3%

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
67-64-1	Acetone	ND	U
107-02-8	Acrolein	ND	U
107-13-1	Acrylonitrile	ND	U
71-43-2	Benzene	ND	U
108-86-1	Bromobenzene	ND	U
74-97-5	Bromochloromethane	ND	U
75-27-4	Bromodichloromethane	ND	U
75-25-2	Bromoform	ND	U
74-83-9	Bromomethane	ND	U
78-93-3	2-Butanone (MEK)	ND	U
104-51-8	n-Butylbenzene	ND	U
135-98-8	sec-Butylbenzene	ND	U
98-06-6	tert-Butylbenzene	ND	U
75-15-0	Carbon disulfide	ND	U
56-23-5	Carbon tetrachloride	ND	U
108-90-7	Chlorobenzene	ND	U
75-00-3	Chloroethane	ND	U
67-66-3	Chloroform	ND	U
74-87-3	Chloromethane	ND	U
95-49-8	2-Chlorotoluene	ND	U
106-43-4	4-Chlorotoluene	ND	U
124-48-1	Dibromochloromethane	ND	U
106-93-4	1,2-Dibromoethane (EDB)	ND	U
74-95-3	Dibromomethane	ND	U
95-50-1	1,2-Dichlorobenzene	ND	U
541-73-1	1,3-Dichlorobenzene	ND	U
106-46-7	1,4-Dichlorobenzene	ND	U
110-57-6	trans-1,4-Dichloro-2-butene	ND	U
75-71-8	Dichlorodifluoromethane	ND	U
75-34-3	1,1-Dichloroethane	ND	U
107-06-2	1,2-Dichloroethane	ND	U
75-35-4	1,1-Dichloroethene	ND	U
156-59-2	cis-1,2-Dichloroethene	ND	U
156-60-5	trans-1,2-Dichloroethene	ND	U
78-87-5	1,2-Dichloropropane	ND	U
142-28-9	1,3-Dichloropropane	ND	U
594-20-7	2,2-Dichloropropane	ND	U

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MSV - FORM I VOA-2
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

P-5(2-4)

Lab Name: Pace Analytical - Indiana
Date Received: 06/21/2014 10:54
Date Extracted: 07/03/2014 05:33
Date Analyzed: 07/03/2014 05:33
Initial wt/vol: 5.582 g Final wt/vol: 5 mL Dilution: 1

Contract: Sibley-Accucast/2339-356-03-00
Matrix: Solid SDG No.: 5099688
Lab Sample ID: 5099688006
Lab File ID: A070214.B\C15.D
Instrument: 50MV3A Percent Moisture: 4.3%

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
563-58-6	1,1-Dichloropropene	ND	U
10061-01-5	cis-1,3-Dichloropropene	ND	U
10061-02-6	trans-1,3-Dichloropropene	ND	U
100-41-4	Ethylbenzene	ND	U
97-63-2	Ethyl methacrylate	ND	U
87-68-3	Hexachloro-1,3-butadiene	ND	U
110-54-3	n-Hexane	ND	U
591-78-6	2-Hexanone	ND	U
74-88-4	Iodomethane	ND	U
98-82-8	Isopropylbenzene (Cumene)	ND	U
99-87-6	p-Isopropyltoluene	ND	U
75-09-2	Methylene Chloride	ND	U
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	U
1634-04-4	Methyl-tert-butyl ether	ND	U
91-20-3	Naphthalene	ND	U
103-65-1	n-Propylbenzene	ND	U
100-42-5	Styrene	ND	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	U
127-18-4	Tetrachloroethene	ND	U
108-88-3	Toluene	ND	U
87-61-6	1,2,3-Trichlorobenzene	ND	U
120-82-1	1,2,4-Trichlorobenzene	ND	U
71-55-6	1,1,1-Trichloroethane	ND	U
79-00-5	1,1,2-Trichloroethane	ND	U
79-01-6	Trichloroethene	ND	U
75-69-4	Trichlorofluoromethane	ND	U
96-18-4	1,2,3-Trichloropropane	ND	U
95-63-6	1,2,4-Trimethylbenzene	ND	U
108-67-8	1,3,5-Trimethylbenzene	ND	U
108-05-4	Vinyl acetate	ND	U
75-01-4	Vinyl chloride	ND	U
1330-20-7	Xylene (Total)	ND	U

07/21/2014 8:52

Pace Analytical Services, Inc.

Data file : \\192.168.50.6\chem\50mv3a.i\a070214.b\c15.d
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 Inj Date : 03-JUL-2014 05:33
 Operator : jlz Inst ID: 50mv3a.i
 Smp Info : 5099688006
 Misc Info : 66414
 Comment :
 Method : \\192.168.50.6\chem\50mv3a.i\a070214.b\ -a8260_a_c.m
 Meth Date : 03-Jul-2014 11:07 50mv3a.i Quant Type: ISTD
 Cal Date : 19-JUN-2014 18:33 Cal File: a08cal.d
 Als bottle: 75
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: all.sub
 Target Version: 4.14

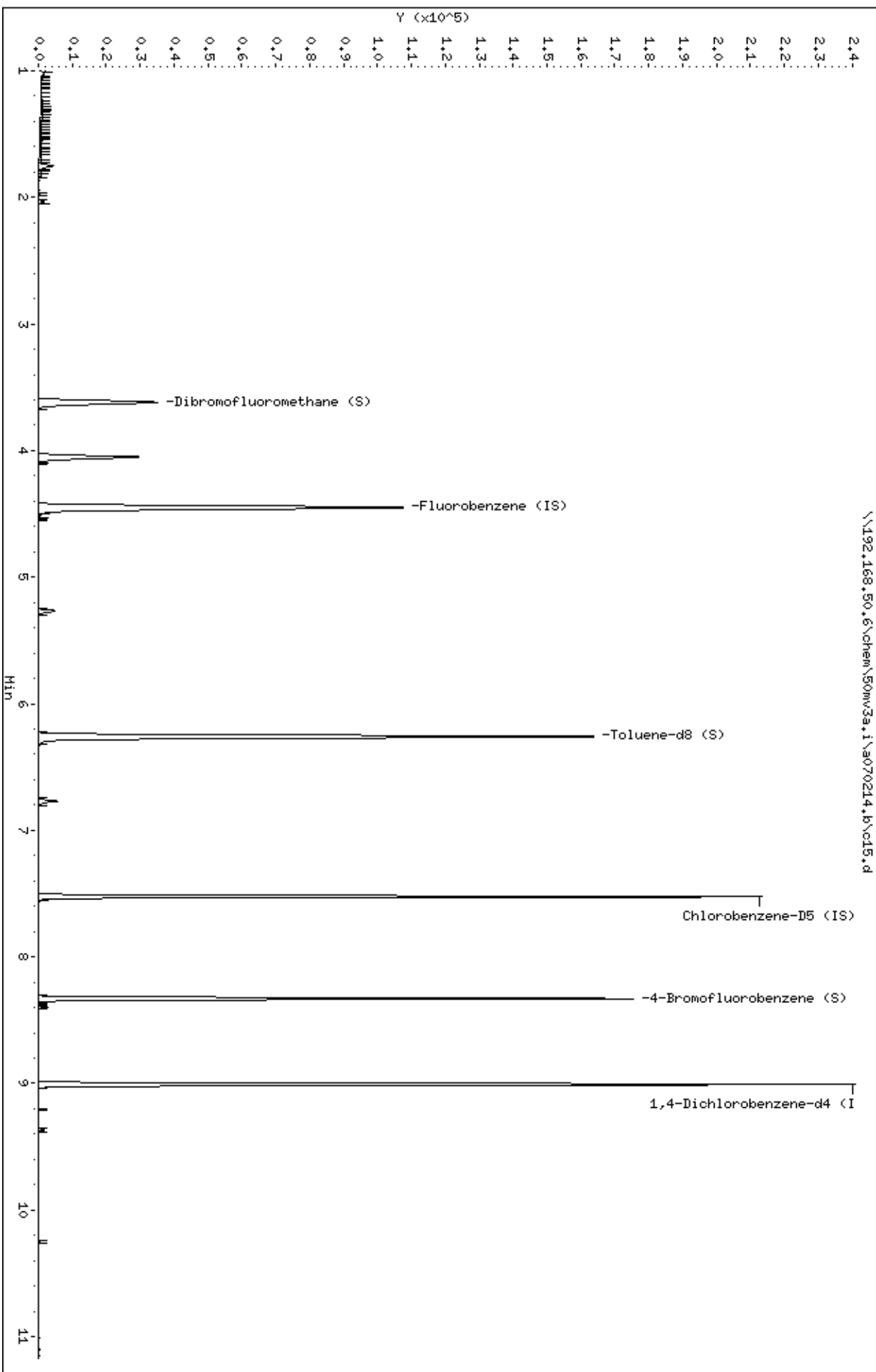
Concentration Formula: Amt * DF * Uf/(Ws*(100-M)/100)) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Ws	5.000	Weight of sample extracted (g)
M	4.310	% Moisture (not decanted)
Va	0.00000	Volume of aliquot extract added (uL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT	SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS		REVIEW C
							ON-COLUMN (ug/L)	FINAL (ppb)	
\$ 32 Dibromofluoromethane (S)	113		3.620	3.626	(0.813)	22743	48.4158	50.6	
* 41 Fluorobenzene (IS)	96		4.452	4.452	(1.000)	101042	50.0000		
\$ 52 Toluene-d8 (S)	98		6.261	6.256	(0.832)	100954	47.2988	49.4	
* 62 Chlorobenzene-D5 (IS)	117		7.522	7.522	(1.000)	80367	50.0000		
\$ 71 4-Bromofluorobenzene (S)	95		8.332	8.328	(1.108)	37251	49.7075	51.9	
* 85 1,4-Dichlorobenzene-d4 (IS)	152		9.007	9.008	(1.000)	45345	50.0000		

Column phase: DB-624

Operator: JIZ
Column diameter: 0.18



Data File: \\192.168.50.6\chem\50mv3a.i\a070214.b/c15.d
Injection Date: 03-JUL-2014 05:33
Instrument: 50mv3a.i
Lab Sample ID: 5099688006
NO SIGNAL MANUAL INTEGRATIONS DONE FOR THIS DATA FILE

MSV - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TMW-6(14-16)

Lab Name: Pace Analytical - Indiana
Date Received: 06/21/2014 10:54
Date Extracted: 07/03/2014 06:05
Date Analyzed: 07/03/2014 06:05
Initial wt/vol: 6.812 g Final wt/vol: 5 mL Dilution: 1

Contract: Sibley-Accucast/2339-356-03-00
Matrix: Solid SDG No.: 5099688
Lab Sample ID: 5099688007
Lab File ID: A070214.B\C16.D
Instrument: 50MV3A Percent Moisture: 9.1%

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
67-64-1	Acetone	ND	U
107-02-8	Acrolein	ND	U
107-13-1	Acrylonitrile	ND	U
71-43-2	Benzene	ND	U
108-86-1	Bromobenzene	ND	U
74-97-5	Bromochloromethane	ND	U
75-27-4	Bromodichloromethane	ND	U
75-25-2	Bromoform	ND	U
74-83-9	Bromomethane	ND	U
78-93-3	2-Butanone (MEK)	ND	U
104-51-8	n-Butylbenzene	ND	U
135-98-8	sec-Butylbenzene	ND	U
98-06-6	tert-Butylbenzene	ND	U
75-15-0	Carbon disulfide	ND	U
56-23-5	Carbon tetrachloride	ND	U
108-90-7	Chlorobenzene	ND	U
75-00-3	Chloroethane	ND	U
67-66-3	Chloroform	ND	U
74-87-3	Chloromethane	ND	U
95-49-8	2-Chlorotoluene	ND	U
106-43-4	4-Chlorotoluene	ND	U
124-48-1	Dibromochloromethane	ND	U
106-93-4	1,2-Dibromoethane (EDB)	ND	U
74-95-3	Dibromomethane	ND	U
95-50-1	1,2-Dichlorobenzene	ND	U
541-73-1	1,3-Dichlorobenzene	ND	U
106-46-7	1,4-Dichlorobenzene	ND	U
110-57-6	trans-1,4-Dichloro-2-butene	ND	U
75-71-8	Dichlorodifluoromethane	ND	U
75-34-3	1,1-Dichloroethane	ND	U
107-06-2	1,2-Dichloroethane	ND	U
75-35-4	1,1-Dichloroethene	ND	U
156-59-2	cis-1,2-Dichloroethene	ND	U
156-60-5	trans-1,2-Dichloroethene	ND	U
78-87-5	1,2-Dichloropropane	ND	U
142-28-9	1,3-Dichloropropane	ND	U
594-20-7	2,2-Dichloropropane	ND	U

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MSV - FORM I VOA-2
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TMW-6(14-16)

Lab Name: Pace Analytical - Indiana
 Date Received: 06/21/2014 10:54
 Date Extracted: 07/03/2014 06:05
 Date Analyzed: 07/03/2014 06:05
 Initial wt/vol: 6.812 g Final wt/vol: 5 mL Dilution: 1

Contract: Sibley-Accucast/2339-356-03-00
 Matrix: Solid SDG No.: 5099688
 Lab Sample ID: 5099688007
 Lab File ID: A070214.B\C16.D
 Instrument: 50MV3A Percent Moisture: 9.1%

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
563-58-6	1,1-Dichloropropene	ND	U
10061-01-5	cis-1,3-Dichloropropene	ND	U
10061-02-6	trans-1,3-Dichloropropene	ND	U
100-41-4	Ethylbenzene	ND	U
97-63-2	Ethyl methacrylate	ND	U
87-68-3	Hexachloro-1,3-butadiene	ND	U
110-54-3	n-Hexane	ND	U
591-78-6	2-Hexanone	ND	U
74-88-4	Iodomethane	ND	U
98-82-8	Isopropylbenzene (Cumene)	ND	U
99-87-6	p-Isopropyltoluene	ND	U
75-09-2	Methylene Chloride	ND	U
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	U
1634-04-4	Methyl-tert-butyl ether	ND	U
91-20-3	Naphthalene	ND	U
103-65-1	n-Propylbenzene	ND	U
100-42-5	Styrene	ND	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	U
127-18-4	Tetrachloroethene	ND	U
108-88-3	Toluene	ND	U
87-61-6	1,2,3-Trichlorobenzene	ND	U
120-82-1	1,2,4-Trichlorobenzene	ND	U
71-55-6	1,1,1-Trichloroethane	ND	U
79-00-5	1,1,2-Trichloroethane	ND	U
79-01-6	Trichloroethene	ND	U
75-69-4	Trichlorofluoromethane	ND	U
96-18-4	1,2,3-Trichloropropane	ND	U
95-63-6	1,2,4-Trimethylbenzene	ND	U
108-67-8	1,3,5-Trimethylbenzene	ND	U
108-05-4	Vinyl acetate	ND	U
75-01-4	Vinyl chloride	ND	U
1330-20-7	Xylene (Total)	ND	U

Pace Analytical Services, Inc.

Data file : \\192.168.50.6\chem\50mv3a.i\a070214.b\c16.d
 Lab Smp Id: 5099688007 Client Smp ID: TMW-6(14-16)
 Inj Date : 03-JUL-2014 06:05
 Operator : jlz Inst ID: 50mv3a.i
 Smp Info : 5099688007
 Misc Info : 66414
 Comment :
 Method : \\192.168.50.6\chem\50mv3a.i\a070214.b\ -a8260_a_c.m
 Meth Date : 03-Jul-2014 11:07 50mv3a.i Quant Type: ISTD
 Cal Date : 19-JUN-2014 18:33 Cal File: a08cal.d
 Als bottle: 77
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: all.sub
 Target Version: 4.14

Concentration Formula: Amt * DF * Uf/(Ws*(100-M)/100)) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Ws	5.000	Weight of sample extracted (g)
M	9.078	% Moisture (not decanted)
Va	0.00000	Volume of aliquot extract added (uL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT	SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS		REVIEW C
							ON-COLUMN (ug/L)	FINAL (ppb)	
\$ 32 Dibromofluoromethane (S)	113		3.617	3.626	(0.813)	21642	47.4125	52.1	
* 41 Fluorobenzene (IS)	96		4.449	4.452	(1.000)	98185	50.0000		
\$ 52 Toluene-d8 (S)	98		6.258	6.256	(0.832)	96702	46.8714	51.6	
* 62 Chlorobenzene-D5 (IS)	117		7.524	7.522	(1.000)	77684	50.0000		
\$ 71 4-Bromofluorobenzene (S)	95		8.329	8.328	(1.107)	35393	48.8593	53.7	
* 85 1,4-Dichlorobenzene-d4 (IS)	152		9.004	9.008	(1.000)	42819	50.0000		

Data File: \\192.168.50.6\chem\50mw3a.1\9070214.b\016.d
Date: 03-JUL-2014 06:05
Client ID: TMM-6(14-16)
Sample Info: 5099688007

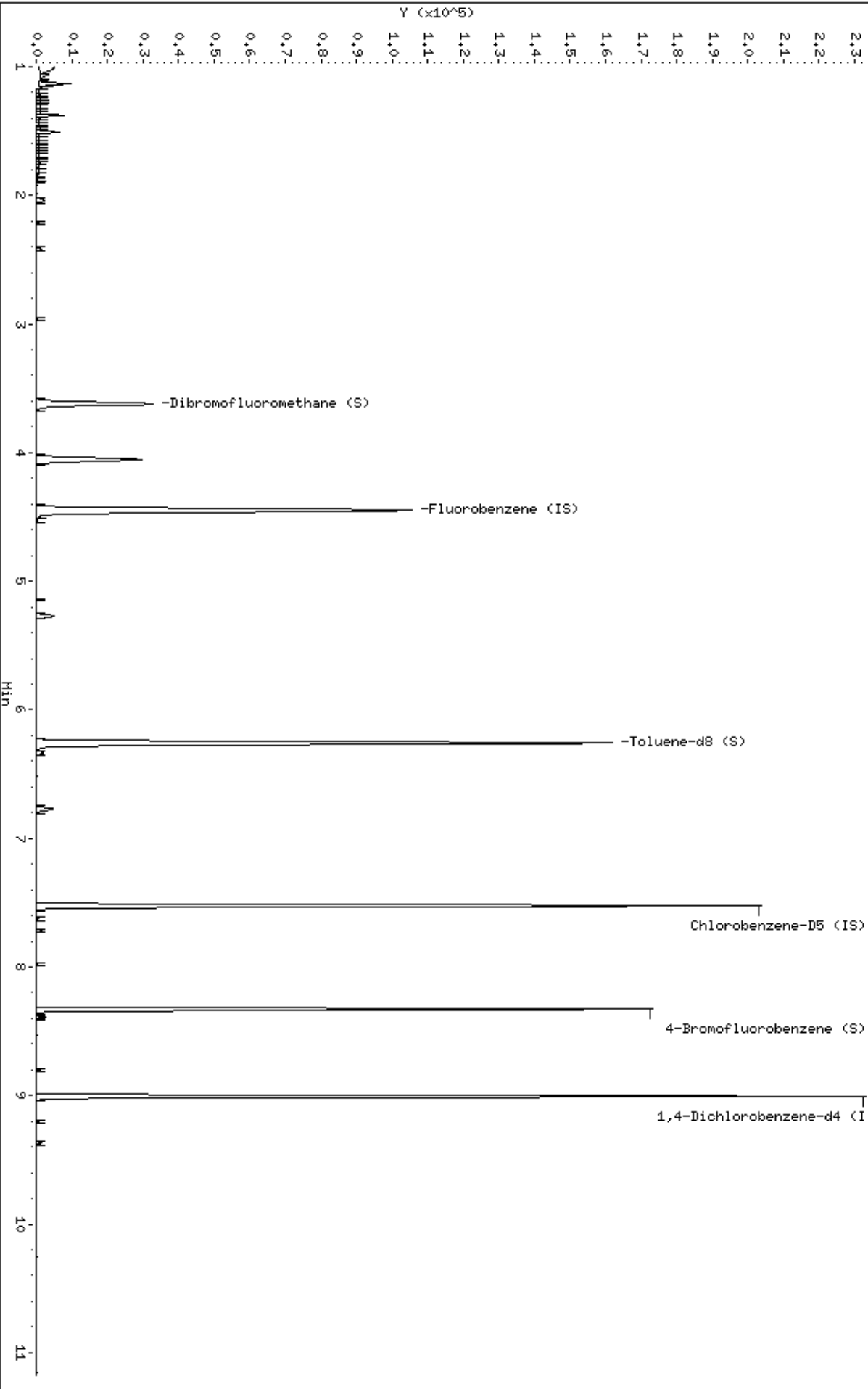
Column phase: DB-624

Instrument: 50mw3a.1

Operator: JIZ

Column diameter: 0.18

\\192.168.50.6\chem\50mw3a.1\9070214.b\016.d



Data File: \\192.168.50.6\chem\50mv3a.i\a070214.b/c16.d
Injection Date: 03-JUL-2014 06:05
Instrument: 50mv3a.i
Lab Sample ID: 5099688007
NO SIGNAL MANUAL INTEGRATIONS DONE FOR THIS DATA FILE

MSV - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TMW-6(2-4)

Lab Name: Pace Analytical - Indiana
Date Received: 06/21/2014 10:54
Date Extracted: 07/03/2014 07:43
Date Analyzed: 07/03/2014 07:43
Initial wt/vol: 4.852 g Final wt/vol: 5 mL Dilution: 1

Contract: Sibley-Accucast/2339-356-03-00
Matrix: Solid SDG No.: 5099688
Lab Sample ID: 5099688008
Lab File ID: A070214.B\C19.D
Instrument: 50MV3A Percent Moisture: 12.9%

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
67-64-1	Acetone	ND	U
107-02-8	Acrolein	ND	U
107-13-1	Acrylonitrile	ND	U
71-43-2	Benzene	ND	U
108-86-1	Bromobenzene	ND	U
74-97-5	Bromochloromethane	ND	U
75-27-4	Bromodichloromethane	ND	U
75-25-2	Bromoform	ND	U
74-83-9	Bromomethane	ND	U
78-93-3	2-Butanone (MEK)	ND	U
104-51-8	n-Butylbenzene	ND	U
135-98-8	sec-Butylbenzene	ND	U
98-06-6	tert-Butylbenzene	ND	U
75-15-0	Carbon disulfide	ND	U
56-23-5	Carbon tetrachloride	ND	U
108-90-7	Chlorobenzene	ND	U
75-00-3	Chloroethane	ND	U
67-66-3	Chloroform	ND	U
74-87-3	Chloromethane	ND	U
95-49-8	2-Chlorotoluene	ND	U
106-43-4	4-Chlorotoluene	ND	U
124-48-1	Dibromochloromethane	ND	U
106-93-4	1,2-Dibromoethane (EDB)	ND	U
74-95-3	Dibromomethane	ND	U
95-50-1	1,2-Dichlorobenzene	ND	U
541-73-1	1,3-Dichlorobenzene	ND	U
106-46-7	1,4-Dichlorobenzene	ND	U
110-57-6	trans-1,4-Dichloro-2-butene	ND	U
75-71-8	Dichlorodifluoromethane	ND	U
75-34-3	1,1-Dichloroethane	ND	U
107-06-2	1,2-Dichloroethane	ND	U
75-35-4	1,1-Dichloroethene	ND	U
156-59-2	cis-1,2-Dichloroethene	ND	U
156-60-5	trans-1,2-Dichloroethene	ND	U
78-87-5	1,2-Dichloropropane	ND	U
142-28-9	1,3-Dichloropropane	ND	U
594-20-7	2,2-Dichloropropane	ND	U

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MSV - FORM I VOA-2
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TMW-6(2-4)

Lab Name: Pace Analytical - Indiana
 Date Received: 06/21/2014 10:54
 Date Extracted: 07/03/2014 07:43
 Date Analyzed: 07/03/2014 07:43
 Initial wt/vol: 4.852 g Final wt/vol: 5 mL Dilution: 1

Contract: Sibley-Accucast/2339-356-03-00
 Matrix: Solid SDG No.: 5099688
 Lab Sample ID: 5099688008
 Lab File ID: A070214.B\C19.D
 Instrument: 50MV3A Percent Moisture: 12.9%

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
563-58-6	1,1-Dichloropropene	ND	U
10061-01-5	cis-1,3-Dichloropropene	ND	U
10061-02-6	trans-1,3-Dichloropropene	ND	U
100-41-4	Ethylbenzene	ND	U
97-63-2	Ethyl methacrylate	ND	U
87-68-3	Hexachloro-1,3-butadiene	ND	U
110-54-3	n-Hexane	ND	U
591-78-6	2-Hexanone	ND	U
74-88-4	Iodomethane	ND	U
98-82-8	Isopropylbenzene (Cumene)	ND	U
99-87-6	p-Isopropyltoluene	ND	U
75-09-2	Methylene Chloride	ND	U
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	U
1634-04-4	Methyl-tert-butyl ether	ND	U
91-20-3	Naphthalene	ND	U
103-65-1	n-Propylbenzene	ND	U
100-42-5	Styrene	ND	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	U
127-18-4	Tetrachloroethene	ND	U
108-88-3	Toluene	ND	U
87-61-6	1,2,3-Trichlorobenzene	ND	U
120-82-1	1,2,4-Trichlorobenzene	ND	U
71-55-6	1,1,1-Trichloroethane	ND	U
79-00-5	1,1,2-Trichloroethane	ND	U
79-01-6	Trichloroethene	ND	U
75-69-4	Trichlorofluoromethane	ND	U
96-18-4	1,2,3-Trichloropropane	ND	U
95-63-6	1,2,4-Trimethylbenzene	ND	U
108-67-8	1,3,5-Trimethylbenzene	ND	U
108-05-4	Vinyl acetate	ND	U
75-01-4	Vinyl chloride	ND	U
1330-20-7	Xylene (Total)	ND	U

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Pace Analytical Services, Inc.

Data file : \\192.168.50.6\chem\50mv3a.i\a070214.b\c19.d
 Lab Smp Id: 5099688008 Client Smp ID: TMW-6(2-4)
 Inj Date : 03-JUL-2014 07:43
 Operator : jlz Inst ID: 50mv3a.i
 Smp Info : 5099688008
 Misc Info : 66414
 Comment :
 Method : \\192.168.50.6\chem\50mv3a.i\a070214.b\ -a8260_a_c.m
 Meth Date : 03-Jul-2014 11:07 50mv3a.i Quant Type: ISTD
 Cal Date : 19-JUN-2014 18:33 Cal File: a08cal.d
 Als bottle: 2
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: all.sub
 Target Version: 4.14

Concentration Formula: Amt * DF * Uf/(Ws*(100-M)/100)) * CpndVariable

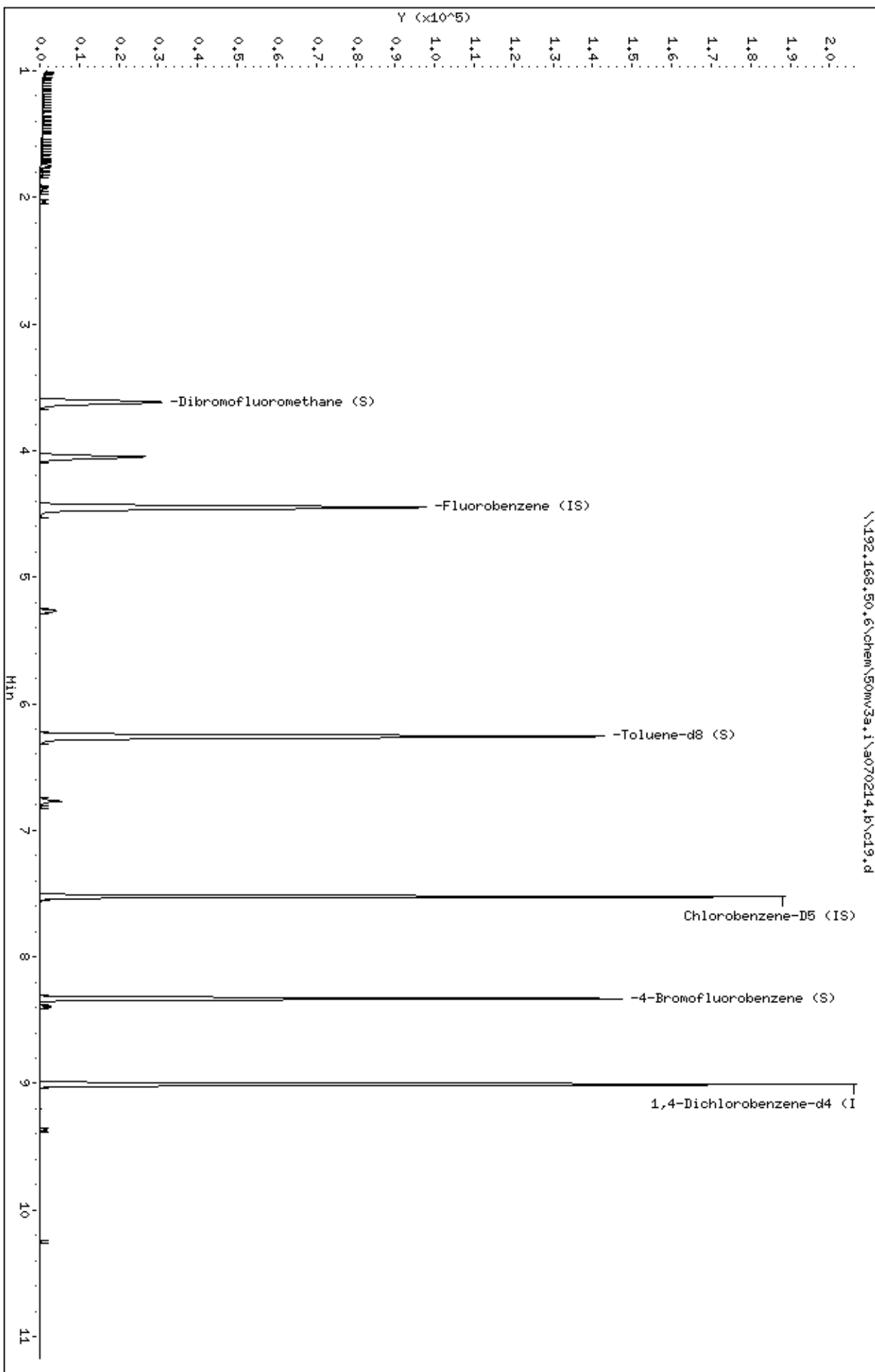
Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Ws	5.000	Weight of sample extracted (g)
M	12.856	% Moisture (not decanted)
Va	0.00000	Volume of aliquot extract added (uL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT	SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS		REVIEW C
							ON-COLUMN (ug/L)	FINAL (ppb)	
\$ 32 Dibromofluoromethane (S)	113		3.620	3.626	(0.814)	20784	50.2947	57.7	
* 41 Fluorobenzene (IS)	96		4.447	4.452	(1.000)	88889	50.0000		
\$ 52 Toluene-d8 (S)	98		6.256	6.256	(0.832)	87789	46.1167	52.9	
* 62 Chlorobenzene-D5 (IS)	117		7.522	7.522	(1.000)	71678	50.0000		
\$ 71 4-Bromofluorobenzene (S)	95		8.333	8.328	(1.108)	32433	48.5247	55.7	
* 85 1,4-Dichlorobenzene-d4 (IS)	152		9.007	9.008	(1.000)	38843	50.0000		

Column phase: DB-624

Operator: JIZ
Column diameter: 0.18

\\192.168.50.6\chem\50mw3a.1\8070214.b\c19.d



Data File: \\192.168.50.6\chem\50mv3a.i\a070214.b/c19.d
Injection Date: 03-JUL-2014 07:43
Instrument: 50mv3a.i
Lab Sample ID: 5099688008
NO SIGNAL MANUAL INTEGRATIONS DONE FOR THIS DATA FILE

MSV - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

P-6(10-12)

Lab Name: Pace Analytical - Indiana
Date Received: 06/21/2014 10:54
Date Extracted: 07/03/2014 06:38
Date Analyzed: 07/03/2014 06:38
Initial wt/vol: 5.272 g Final wt/vol: 5 mL Dilution: 1

Contract: Sibley-Accucast/2339-356-03-00
Matrix: Solid SDG No.: 5099688
Lab Sample ID: 5099688009
Lab File ID: A070214.B\C17.D
Instrument: 50MV3A Percent Moisture: 2.9%

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
67-64-1	Acetone	ND	U
107-02-8	Acrolein	ND	U
107-13-1	Acrylonitrile	ND	U
71-43-2	Benzene	ND	U
108-86-1	Bromobenzene	ND	U
74-97-5	Bromochloromethane	ND	U
75-27-4	Bromodichloromethane	ND	U
75-25-2	Bromoform	ND	U
74-83-9	Bromomethane	ND	U
78-93-3	2-Butanone (MEK)	ND	U
104-51-8	n-Butylbenzene	ND	U
135-98-8	sec-Butylbenzene	ND	U
98-06-6	tert-Butylbenzene	ND	U
75-15-0	Carbon disulfide	ND	U
56-23-5	Carbon tetrachloride	ND	U
108-90-7	Chlorobenzene	ND	U
75-00-3	Chloroethane	ND	U
67-66-3	Chloroform	ND	U
74-87-3	Chloromethane	ND	U
95-49-8	2-Chlorotoluene	ND	U
106-43-4	4-Chlorotoluene	ND	U
124-48-1	Dibromochloromethane	ND	U
106-93-4	1,2-Dibromoethane (EDB)	ND	U
74-95-3	Dibromomethane	ND	U
95-50-1	1,2-Dichlorobenzene	ND	U
541-73-1	1,3-Dichlorobenzene	ND	U
106-46-7	1,4-Dichlorobenzene	ND	U
110-57-6	trans-1,4-Dichloro-2-butene	ND	U
75-71-8	Dichlorodifluoromethane	ND	U
75-34-3	1,1-Dichloroethane	ND	U
107-06-2	1,2-Dichloroethane	ND	U
75-35-4	1,1-Dichloroethene	ND	U
156-59-2	cis-1,2-Dichloroethene	ND	U
156-60-5	trans-1,2-Dichloroethene	ND	U
78-87-5	1,2-Dichloropropane	ND	U
142-28-9	1,3-Dichloropropane	ND	U
594-20-7	2,2-Dichloropropane	ND	U

07/21/2014 8:52

MSV - FORM I VOA-2
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

P-6(10-12)

Lab Name: Pace Analytical - Indiana
Date Received: 06/21/2014 10:54
Date Extracted: 07/03/2014 06:38
Date Analyzed: 07/03/2014 06:38
Initial wt/vol: 5.272 g Final wt/vol: 5 mL Dilution: 1

Contract: Sibley-Accucast/2339-356-03-00
Matrix: Solid SDG No.: 5099688
Lab Sample ID: 5099688009
Lab File ID: A070214.B\C17.D
Instrument: 50MV3A Percent Moisture: 2.9%

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
563-58-6	1,1-Dichloropropene	ND	U
10061-01-5	cis-1,3-Dichloropropene	ND	U
10061-02-6	trans-1,3-Dichloropropene	ND	U
100-41-4	Ethylbenzene	ND	U
97-63-2	Ethyl methacrylate	ND	U
87-68-3	Hexachloro-1,3-butadiene	ND	U
110-54-3	n-Hexane	ND	U
591-78-6	2-Hexanone	ND	U
74-88-4	Iodomethane	ND	U
98-82-8	Isopropylbenzene (Cumene)	ND	U
99-87-6	p-Isopropyltoluene	ND	U
75-09-2	Methylene Chloride	ND	U
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	U
1634-04-4	Methyl-tert-butyl ether	ND	U
91-20-3	Naphthalene	ND	U
103-65-1	n-Propylbenzene	ND	U
100-42-5	Styrene	ND	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	U
127-18-4	Tetrachloroethene	ND	U
108-88-3	Toluene	ND	U
87-61-6	1,2,3-Trichlorobenzene	ND	U
120-82-1	1,2,4-Trichlorobenzene	ND	U
71-55-6	1,1,1-Trichloroethane	ND	U
79-00-5	1,1,2-Trichloroethane	ND	U
79-01-6	Trichloroethene	ND	U
75-69-4	Trichlorofluoromethane	ND	U
96-18-4	1,2,3-Trichloropropane	ND	U
95-63-6	1,2,4-Trimethylbenzene	ND	U
108-67-8	1,3,5-Trimethylbenzene	ND	U
108-05-4	Vinyl acetate	ND	U
75-01-4	Vinyl chloride	ND	U
1330-20-7	Xylene (Total)	ND	U

07/21/2014 8:52

Pace Analytical Services, Inc.

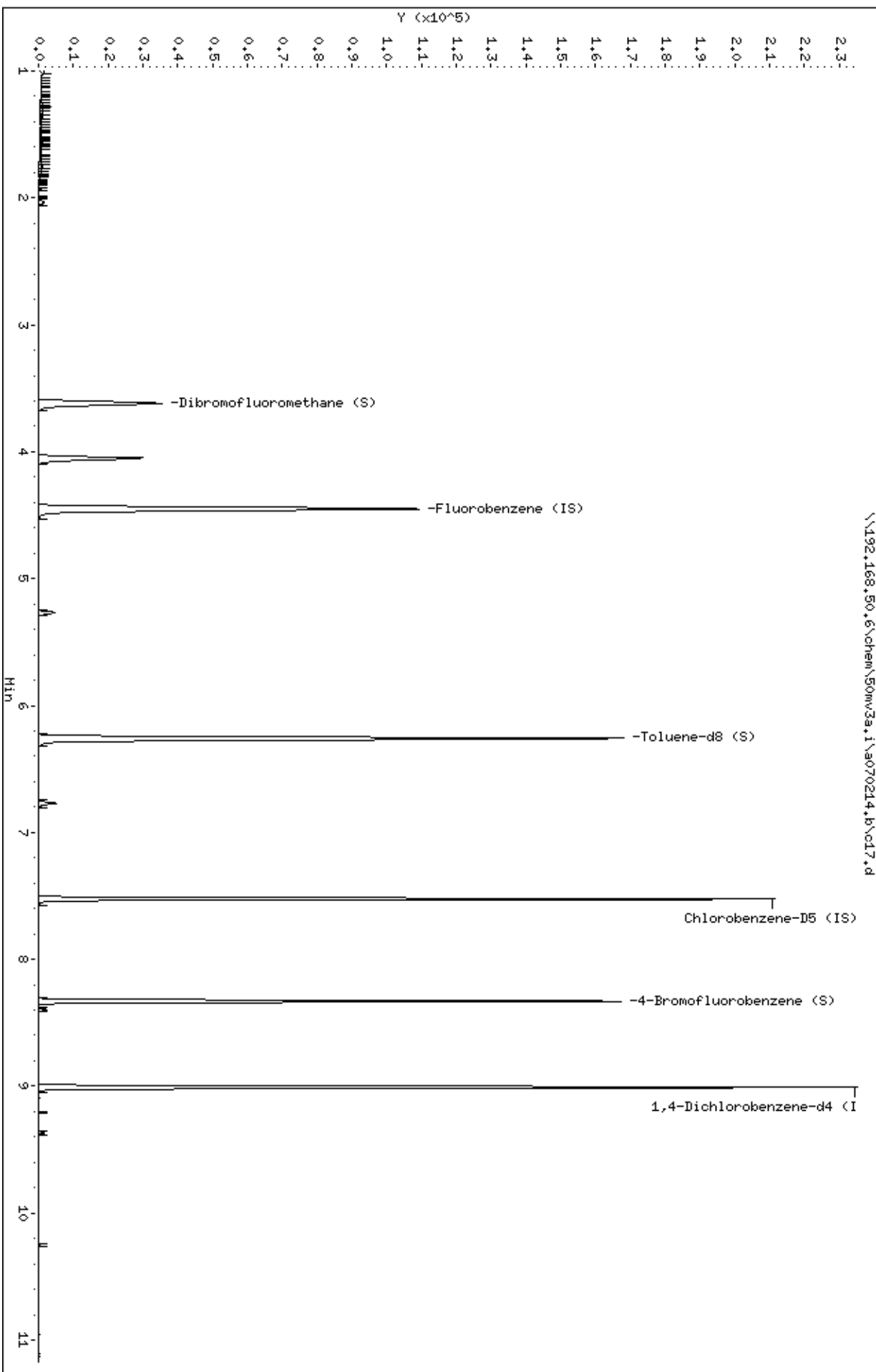
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 Inj Date : 03-JUL-2014 06:38
 Operator : jlz Inst ID: 50mv3a.i
 Smp Info : 5099688009
 Misc Info : 66414
 Comment :
 Method : \\192.168.50.6\chem\50mv3a.i\a070214.b\ -a8260_a_c.m
 Meth Date : 03-Jul-2014 11:07 50mv3a.i Quant Type: ISTD
 Cal Date : 19-JUN-2014 18:33 Cal File: a08cal.d
 Als bottle: 79
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: all.sub
 Target Version: 4.14

Concentration Formula: Amt * DF * Uf/(Ws*(100-M)/100)) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Ws	5.000	Weight of sample extracted (g)
M	2.910	% Moisture (not decanted)
Va	0.00000	Volume of aliquot extract added (uL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT	SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS		REVIEW C
							ON-COLUMN (ug/L)	FINAL (ppb)	
\$ 32 Dibromofluoromethane (S)	113		3.620	3.626	(0.813)	22713	49.1967	50.7	
* 41 Fluorobenzene (IS)	96		4.452	4.452	(1.000)	99307	50.0000		
\$ 52 Toluene-d8 (S)	98		6.256	6.256	(0.832)	96964	45.9555	47.3	
* 62 Chlorobenzene-D5 (IS)	117		7.522	7.522	(1.000)	79447	50.0000		
\$ 71 4-Bromofluorobenzene (S)	95		8.333	8.328	(1.108)	36182	48.8401	50.3	
* 85 1,4-Dichlorobenzene-d4 (IS)	152		9.007	9.008	(1.000)	44301	50.0000		

\\192.168.50.6\chem\50mw3a.1\9070214.b\017.d



Data File: \\192.168.50.6\chem\50mv3a.i\a070214.b/c17.d
Injection Date: 03-JUL-2014 06:38
Instrument: 50mv3a.i
Lab Sample ID: 5099688009
NO SIGNAL MANUAL INTEGRATIONS DONE FOR THIS DATA FILE

MSV - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

P-6(2-4)

Lab Name: Pace Analytical - Indiana
Date Received: 06/21/2014 10:54
Date Extracted: 07/03/2014 07:10
Date Analyzed: 07/03/2014 07:10
Initial wt/vol: 5.462 g Final wt/vol: 5 mL Dilution: 1

Contract: Sibley-Accucast/2339-356-03-00
Matrix: Solid SDG No.: 5099688
Lab Sample ID: 5099688010
Lab File ID: A070214.B\C18.D
Instrument: 50MV3A Percent Moisture: 6.3%

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
67-64-1	Acetone	ND	U
107-02-8	Acrolein	ND	U
107-13-1	Acrylonitrile	ND	U
71-43-2	Benzene	ND	U
108-86-1	Bromobenzene	ND	U
74-97-5	Bromochloromethane	ND	U
75-27-4	Bromodichloromethane	ND	U
75-25-2	Bromoform	ND	U
74-83-9	Bromomethane	ND	U
78-93-3	2-Butanone (MEK)	ND	U
104-51-8	n-Butylbenzene	ND	U
135-98-8	sec-Butylbenzene	ND	U
98-06-6	tert-Butylbenzene	ND	U
75-15-0	Carbon disulfide	ND	U
56-23-5	Carbon tetrachloride	ND	U
108-90-7	Chlorobenzene	ND	U
75-00-3	Chloroethane	ND	U
67-66-3	Chloroform	ND	U
74-87-3	Chloromethane	ND	U
95-49-8	2-Chlorotoluene	ND	U
106-43-4	4-Chlorotoluene	ND	U
124-48-1	Dibromochloromethane	ND	U
106-93-4	1,2-Dibromoethane (EDB)	ND	U
74-95-3	Dibromomethane	ND	U
95-50-1	1,2-Dichlorobenzene	ND	U
541-73-1	1,3-Dichlorobenzene	ND	U
106-46-7	1,4-Dichlorobenzene	ND	U
110-57-6	trans-1,4-Dichloro-2-butene	ND	U
75-71-8	Dichlorodifluoromethane	ND	U
75-34-3	1,1-Dichloroethane	ND	U
107-06-2	1,2-Dichloroethane	ND	U
75-35-4	1,1-Dichloroethene	ND	U
156-59-2	cis-1,2-Dichloroethene	ND	U
156-60-5	trans-1,2-Dichloroethene	ND	U
78-87-5	1,2-Dichloropropane	ND	U
142-28-9	1,3-Dichloropropane	ND	U
594-20-7	2,2-Dichloropropane	ND	U

07/21/2014 8:52

MSV - FORM I VOA-2
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

P-6(2-4)

Lab Name: Pace Analytical - Indiana
Date Received: 06/21/2014 10:54
Date Extracted: 07/03/2014 07:10
Date Analyzed: 07/03/2014 07:10
Initial wt/vol: 5.462 g Final wt/vol: 5 mL Dilution: 1

Contract: Sibley-Accucast/2339-356-03-00
Matrix: Solid SDG No.: 5099688
Lab Sample ID: 5099688010
Lab File ID: A070214.B\C18.D
Instrument: 50MV3A Percent Moisture: 6.3%

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
563-58-6	1,1-Dichloropropene	ND	U
10061-01-5	cis-1,3-Dichloropropene	ND	U
10061-02-6	trans-1,3-Dichloropropene	ND	U
100-41-4	Ethylbenzene	ND	U
97-63-2	Ethyl methacrylate	ND	U
87-68-3	Hexachloro-1,3-butadiene	ND	U
110-54-3	n-Hexane	ND	U
591-78-6	2-Hexanone	ND	U
74-88-4	Iodomethane	ND	U
98-82-8	Isopropylbenzene (Cumene)	ND	U
99-87-6	p-Isopropyltoluene	ND	U
75-09-2	Methylene Chloride	ND	U
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	U
1634-04-4	Methyl-tert-butyl ether	ND	U
91-20-3	Naphthalene	ND	U
103-65-1	n-Propylbenzene	ND	U
100-42-5	Styrene	ND	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	U
127-18-4	Tetrachloroethene	ND	U
108-88-3	Toluene	ND	U
87-61-6	1,2,3-Trichlorobenzene	ND	U
120-82-1	1,2,4-Trichlorobenzene	ND	U
71-55-6	1,1,1-Trichloroethane	ND	U
79-00-5	1,1,2-Trichloroethane	ND	U
79-01-6	Trichloroethene	ND	U
75-69-4	Trichlorofluoromethane	ND	U
96-18-4	1,2,3-Trichloropropane	ND	U
95-63-6	1,2,4-Trimethylbenzene	ND	U
108-67-8	1,3,5-Trimethylbenzene	ND	U
108-05-4	Vinyl acetate	ND	U
75-01-4	Vinyl chloride	ND	U
1330-20-7	Xylene (Total)	ND	U

07/21/2014 8:52

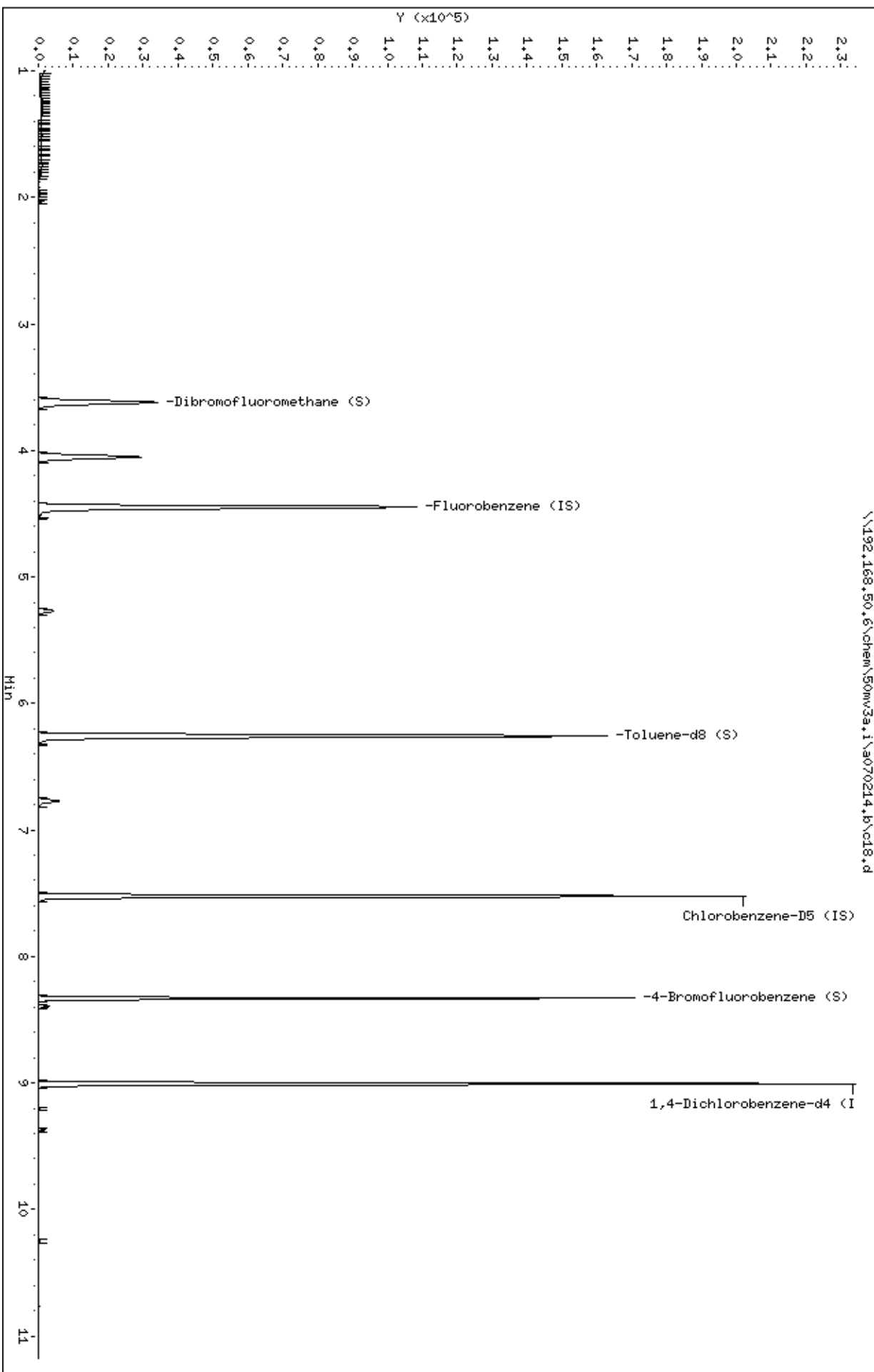
Pace Analytical Services, Inc.

Data file : \\192.168.50.6\chem\50mv3a.i\a070214.b\c18.d
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 Inj Date : 03-JUL-2014 07:10
 Operator : jlz Inst ID: 50mv3a.i
 Smp Info : 5099688010
 Misc Info : 66414
 Comment :
 Method : \\192.168.50.6\chem\50mv3a.i\a070214.b\ -a8260_a_c.m
 Meth Date : 03-Jul-2014 11:07 50mv3a.i Quant Type: ISTD
 Cal Date : 19-JUN-2014 18:33 Cal File: a08cal.d
 Als bottle: 81
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: all.sub
 Target Version: 4.14

Concentration Formula: Amt * DF * Uf/(Ws*(100-M)/100)) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Ws	5.000	Weight of sample extracted (g)
M	6.259	% Moisture (not decanted)
Va	0.00000	Volume of aliquot extract added (uL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT	SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS		REVIEW C
							ON-COLUMN (ug/L)	FINAL (ppb)	
\$ 32 Dibromofluoromethane (S)	113		3.619	3.626	(0.813)	22530	48.8825	52.1	
* 41 Fluorobenzene (IS)	96		4.451	4.452	(1.000)	99140	50.0000		
\$ 52 Toluene-d8 (S)	98		6.261	6.256	(0.832)	96802	46.0061	49.1	
* 62 Chlorobenzene-D5 (IS)	117		7.521	7.522	(1.000)	79227	50.0000		
\$ 71 4-Bromofluorobenzene (S)	95		8.332	8.328	(1.108)	35281	47.7561	50.9	
* 85 1,4-Dichlorobenzene-d4 (IS)	152		9.006	9.008	(1.000)	42957	50.0000		



Data File: \\192.168.50.6\chem\50mv3a.i\a070214.b/c18.d
Injection Date: 03-JUL-2014 07:10
Instrument: 50mv3a.i
Lab Sample ID: 5099688010
NO SIGNAL MANUAL INTEGRATIONS DONE FOR THIS DATA FILE

MSV - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.
SOIL EQ BLANK

Lab Name: Pace Analytical - Indiana
Date Received: 06/21/2014 10:54
Date Extracted: 07/01/2014 18:25
Date Analyzed: 07/01/2014 18:25
Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1

Contract: Sibley-Accucast/2339-356-03-00
Matrix: Water SDG No.: 5099688
Lab Sample ID: 5099688013
Lab File ID: B070114.B\B13.D
Instrument: 50MV4B Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
67-64-1	Acetone	ND	U
107-02-8	Acrolein	ND	U
107-13-1	Acrylonitrile	ND	U
71-43-2	Benzene	ND	U
108-86-1	Bromobenzene	ND	U
74-97-5	Bromochloromethane	ND	U
75-27-4	Bromodichloromethane	ND	U
75-25-2	Bromoform	ND	U
74-83-9	Bromomethane	ND	U
78-93-3	2-Butanone (MEK)	ND	U
104-51-8	n-Butylbenzene	ND	U
135-98-8	sec-Butylbenzene	ND	U
98-06-6	tert-Butylbenzene	ND	U
75-15-0	Carbon disulfide	ND	U
56-23-5	Carbon tetrachloride	ND	U
108-90-7	Chlorobenzene	ND	U
75-00-3	Chloroethane	ND	U
67-66-3	Chloroform	ND	U
74-87-3	Chloromethane	ND	U
95-49-8	2-Chlorotoluene	ND	U
106-43-4	4-Chlorotoluene	ND	U
124-48-1	Dibromochloromethane	ND	U
106-93-4	1,2-Dibromoethane (EDB)	ND	U
74-95-3	Dibromomethane	ND	U
95-50-1	1,2-Dichlorobenzene	ND	U
541-73-1	1,3-Dichlorobenzene	ND	U
106-46-7	1,4-Dichlorobenzene	ND	U
110-57-6	trans-1,4-Dichloro-2-butene	ND	U
75-71-8	Dichlorodifluoromethane	ND	U
75-34-3	1,1-Dichloroethane	ND	U
107-06-2	1,2-Dichloroethane	ND	U
75-35-4	1,1-Dichloroethene	ND	U
156-59-2	cis-1,2-Dichloroethene	ND	U
156-60-5	trans-1,2-Dichloroethene	ND	U
78-87-5	1,2-Dichloropropane	ND	U
142-28-9	1,3-Dichloropropane	ND	U
594-20-7	2,2-Dichloropropane	ND	U

MSV - FORM I VOA-2
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.
SOIL EQ BLANK

Lab Name: Pace Analytical - Indiana
Date Received: 06/21/2014 10:54
Date Extracted: 07/01/2014 18:25
Date Analyzed: 07/01/2014 18:25
Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1

Contract: Sibley-Accucast/2339-356-03-00
Matrix: Water SDG No.: 5099688
Lab Sample ID: 5099688013
Lab File ID: B070114.B\B13.D
Instrument: 50MV4B Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
563-58-6	1,1-Dichloropropene	ND	U
10061-01-5	cis-1,3-Dichloropropene	ND	U
10061-02-6	trans-1,3-Dichloropropene	ND	U
100-41-4	Ethylbenzene	ND	U
97-63-2	Ethyl methacrylate	ND	U
87-68-3	Hexachloro-1,3-butadiene	ND	U
110-54-3	n-Hexane	ND	U
591-78-6	2-Hexanone	ND	U
74-88-4	Iodomethane	ND	U
98-82-8	Isopropylbenzene (Cumene)	ND	U
99-87-6	p-Isopropyltoluene	ND	U
75-09-2	Methylene Chloride	ND	U
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	U
1634-04-4	Methyl-tert-butyl ether	ND	U
91-20-3	Naphthalene	ND	U
103-65-1	n-Propylbenzene	ND	U
100-42-5	Styrene	ND	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	U
127-18-4	Tetrachloroethene	ND	U
108-88-3	Toluene	ND	U
87-61-6	1,2,3-Trichlorobenzene	ND	U
120-82-1	1,2,4-Trichlorobenzene	ND	U
71-55-6	1,1,1-Trichloroethane	ND	U
79-00-5	1,1,2-Trichloroethane	ND	U
79-01-6	Trichloroethene	ND	U
75-69-4	Trichlorofluoromethane	ND	U
96-18-4	1,2,3-Trichloropropane	ND	U
95-63-6	1,2,4-Trimethylbenzene	ND	U
108-67-8	1,3,5-Trimethylbenzene	ND	U
108-05-4	Vinyl acetate	ND	U
75-01-4	Vinyl chloride	ND	U
1330-20-7	Xylene (Total)	ND	U

Pace Analytical Services, Inc.

Data file : \\192.168.50.6\chem\50mv4b.i\b070114.b\b13.d
 Lab Smp Id: 5099688013 Client Smp ID: SOIL EQ BLANK
 Inj Date : 01-JUL-2014 18:25
 Operator : rsw Inst ID: 50mv4b.i
 Smp Info : 5099688013
 Misc Info : 66354
 Comment :
 Method : \\192.168.50.6\chem\50mv4b.i\b070114.b\b8260_a_b.m
 Meth Date : 02-Jul-2014 09:49 50mv4b.i Quant Type: ISTD
 Cal Date : 30-JUN-2014 16:17 Cal File: b09.d
 Als bottle: 28
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: all.sub
 Target Version: 4.14

Concentration Formula: Amt * DF * Uf/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT	SIG	MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS		REVIEW C
								ON-COLUMN (ppb)	FINAL (ppb)	
9 Acrolein	56		1.922	1.922	(0.372)	578	0.42892	0.429(Q)		
14 Carbon Disulfide	76		2.145	2.145	(0.416)	2396	0.19742	0.197		
19 tert-Butyl Alcohol	59		2.480	2.492	(0.480)	1201	4.31220	4.31(Q)		
33 Tetrahydrofuran	42		4.145	4.139	(0.803)	2956	0.83879	0.839		
\$ 36 Dibromofluoromethane (S)	113		4.398	4.404	(0.852)	85970	50.4119	50.4		
* 44 Fluorobenzene	96		5.163	5.168	(1.000)	323478	50.0000			
\$ 55 Toluene-d8	98		6.762	6.763	(0.859)	320544	47.9095	47.9		
56 Toluene	91		6.827	6.827	(0.867)	356	0.01425	0.0142		
* 65 Chlorobenzene-d5	117		7.874	7.874	(1.000)	268002	50.0000			
\$ 74 4-Bromofluorobenzene	95		8.615	8.615	(1.094)	101113	44.6695	44.7		
* 88 1,4-Dichlorobenzene-d4	152		9.292	9.286	(1.000)	73144	50.0000	(Q)		

QC Flag Legend

Q - Qualifier signal failed the ratio test.

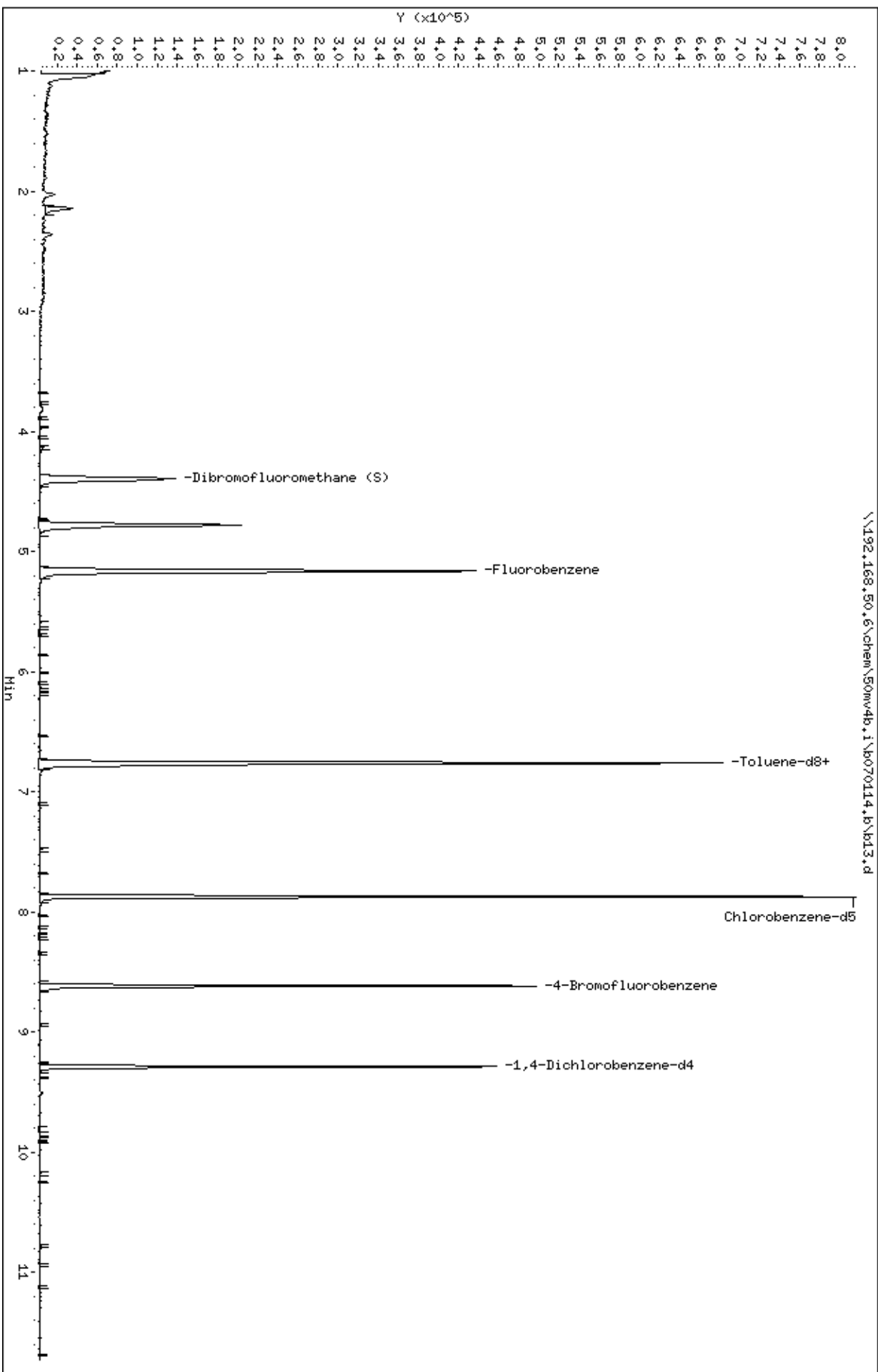
Review Codes Legend

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Data File: \\192.168.50.6\chem\50mw4b.1\B070114.1\B13.d
Date: 01-JUL-2014 18:25
Client ID: SOIL EQ BLANK
Sample Info: 5099688013
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50mw4b.1
Operator: rsu
Column diameter: 0.18

\\192.168.50.6\chem\50mw4b.1\B070114.1\B13.d



Date : 01-JUL-2014 18:25

Client ID: SOIL EQ BLANK

Instrument: 50mv4b.i

Sample Info: 5099688013

Purge Volume: 5.0

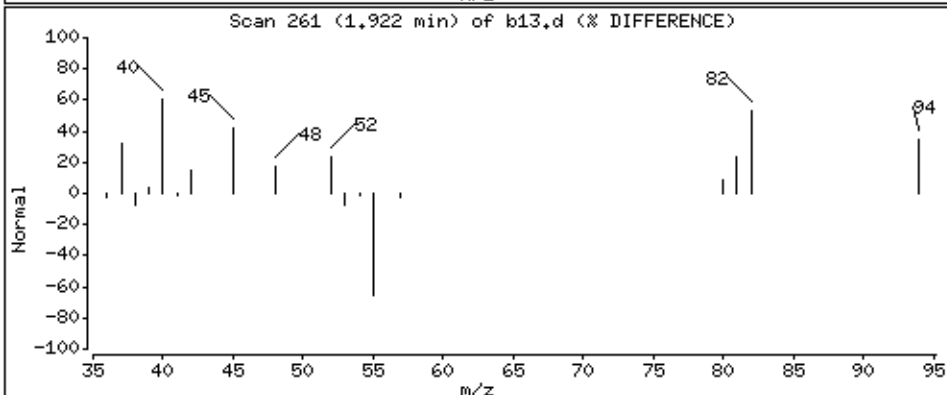
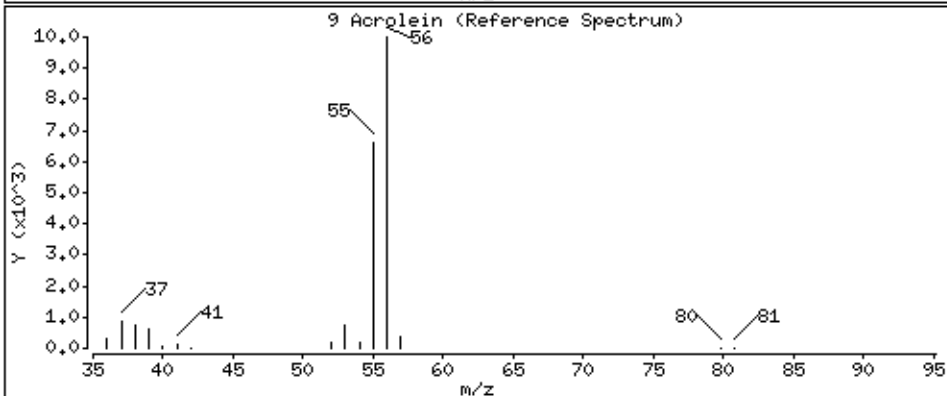
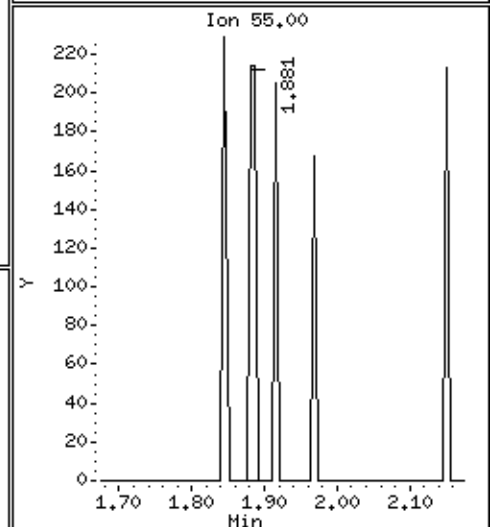
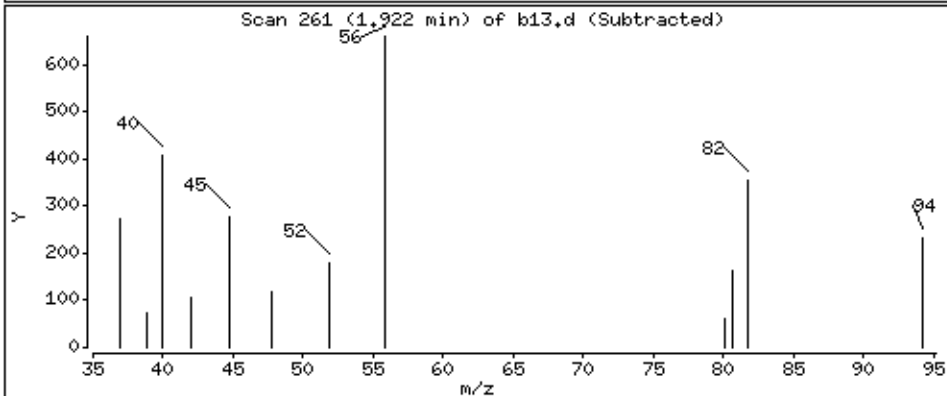
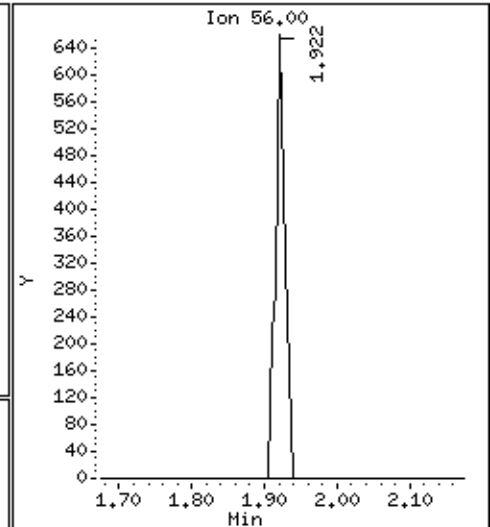
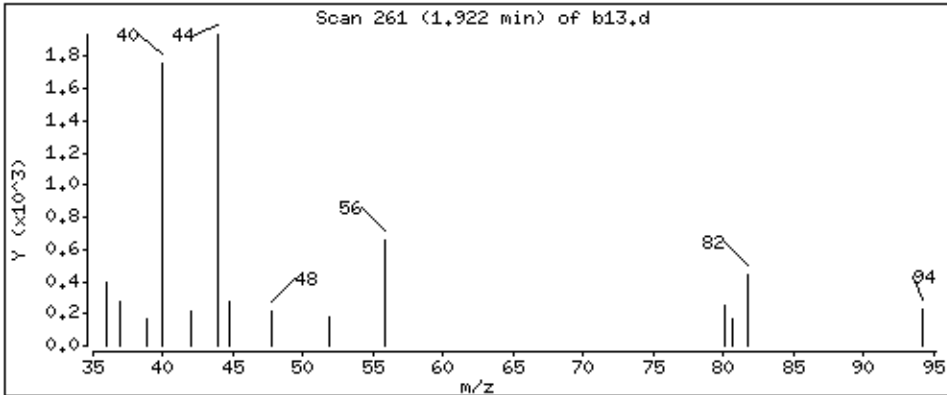
Operator: rsw

Column phase: DB-624

Column diameter: 0,18

9 Acrolein

Concentration: 0,429 ppb



Date : 01-JUL-2014 18:25

Client ID: SOIL EQ BLANK

Instrument: 50mv4b.i

Sample Info: 5099688013

Purge Volume: 5.0

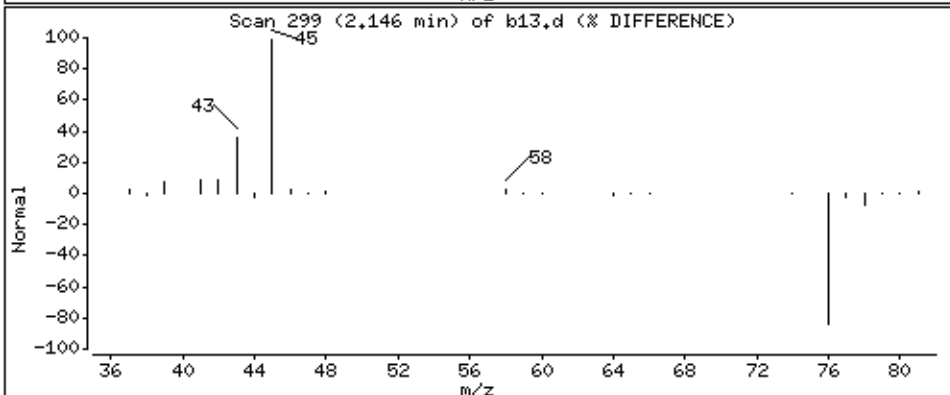
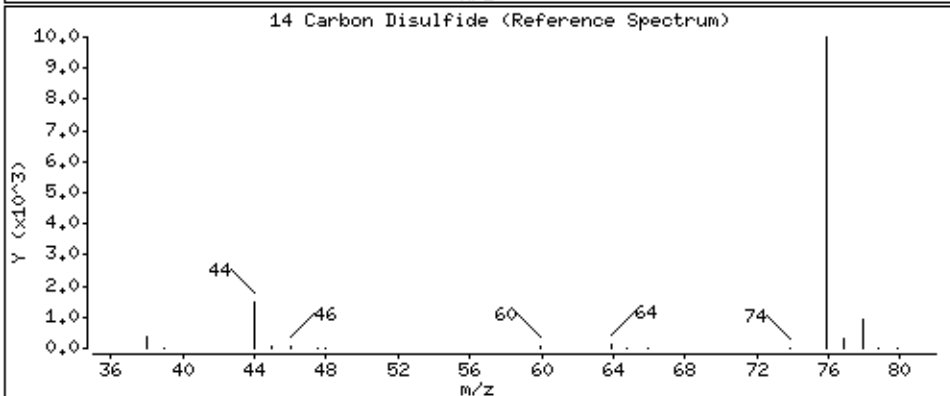
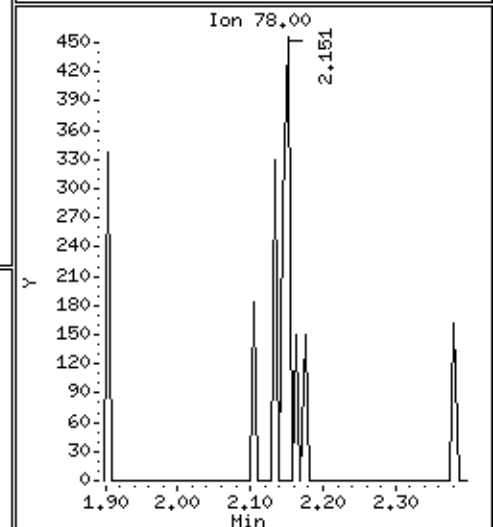
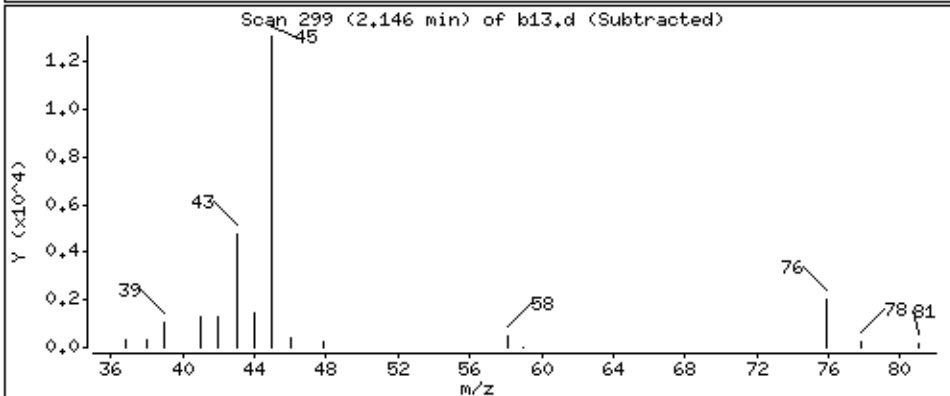
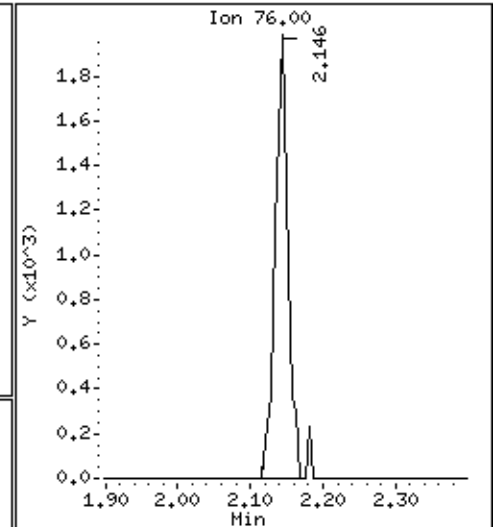
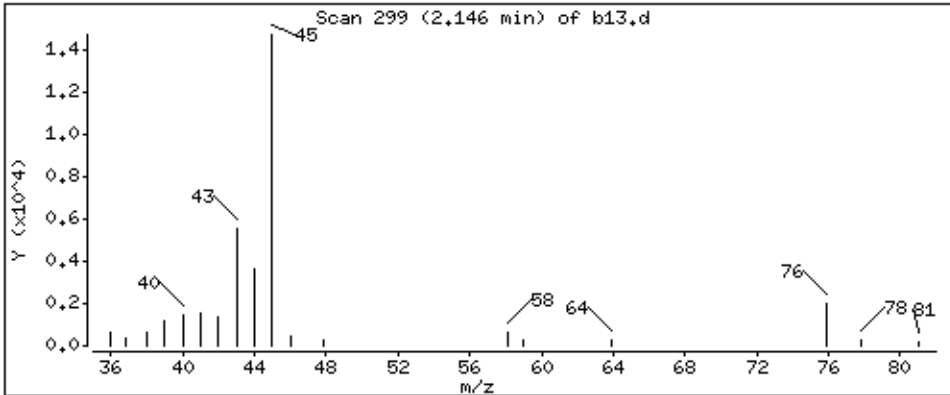
Operator: rsw

Column phase: DB-624

Column diameter: 0,18

14 Carbon Disulfide

Concentration: 0,197 ppb



Date : 01-JUL-2014 18:25

Client ID: SOIL EQ BLANK

Instrument: 50mv4b.i

Sample Info: 5099688013

Purge Volume: 5.0

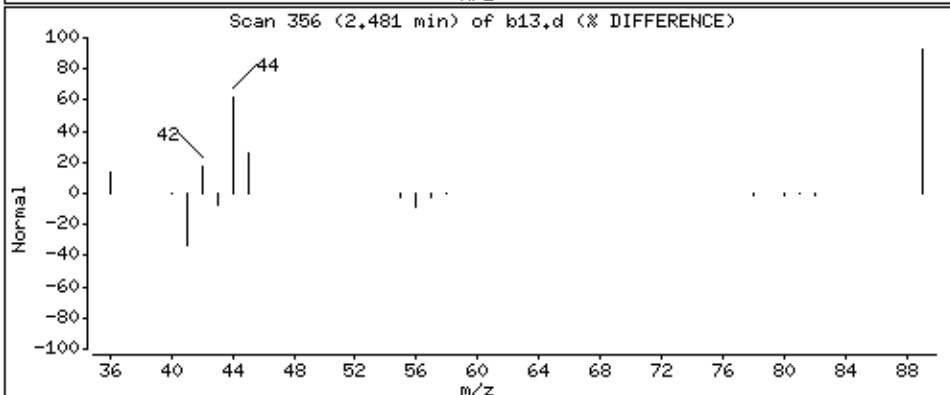
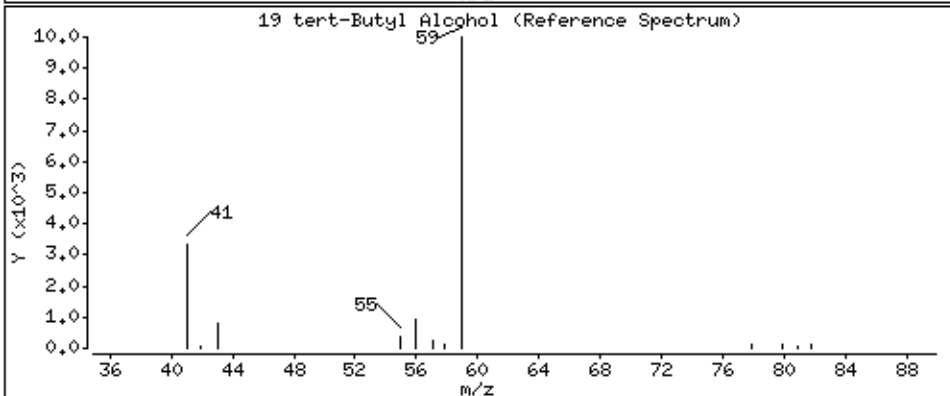
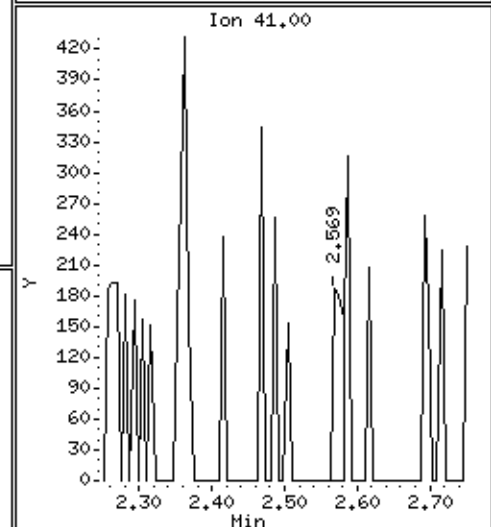
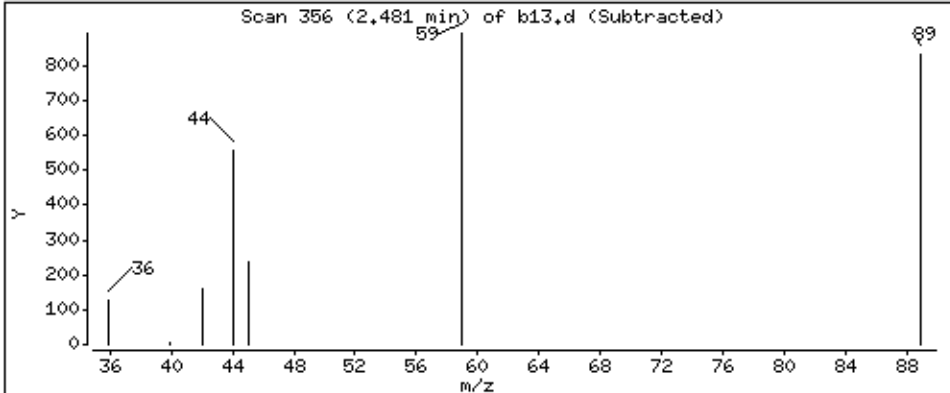
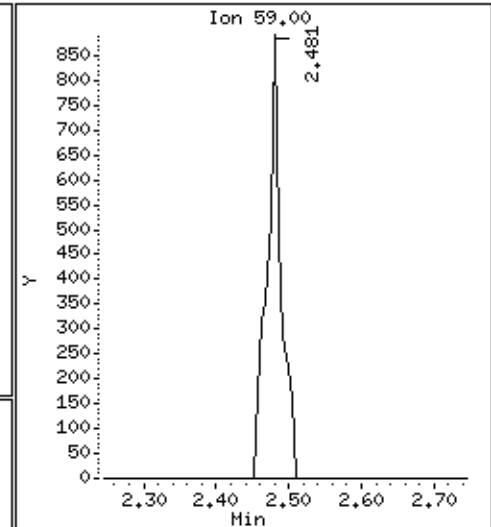
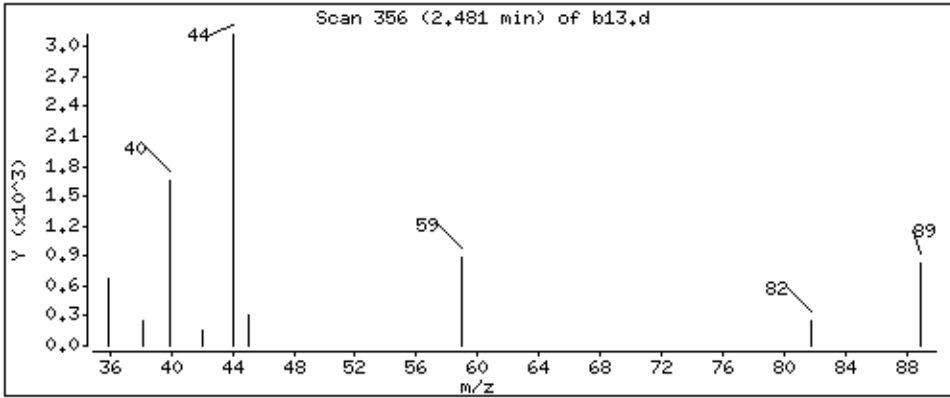
Operator: rsw

Column phase: DB-624

Column diameter: 0,18

19 tert-Butyl Alcohol

Concentration: 4,31 ppb



Date : 01-JUL-2014 18:25

Client ID: SOIL EQ BLANK

Instrument: 50mv4b.i

Sample Info: 5099688013

Purge Volume: 5.0

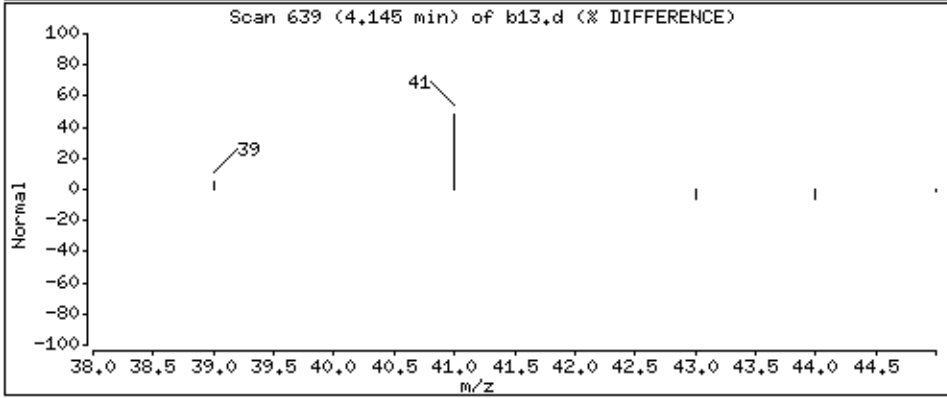
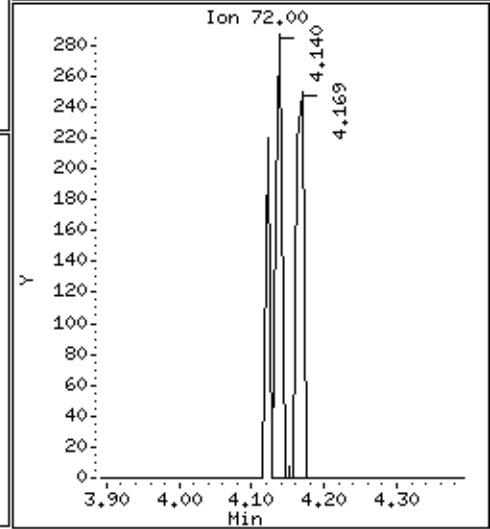
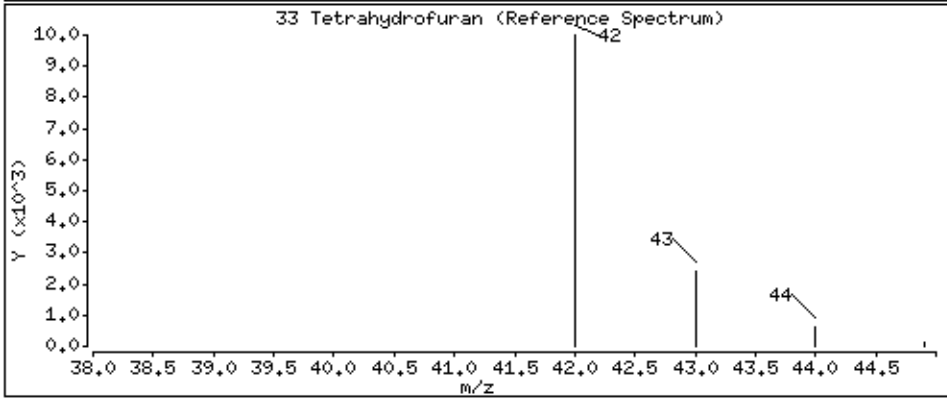
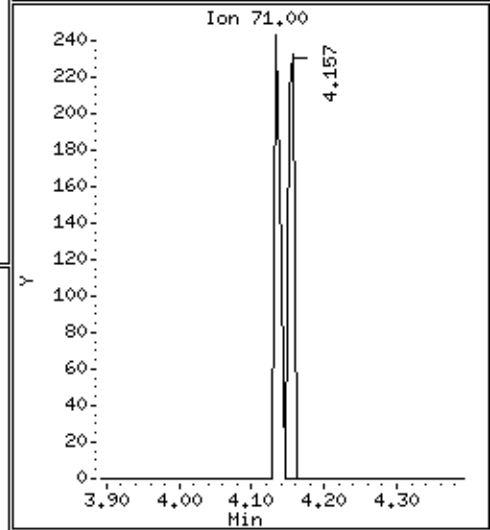
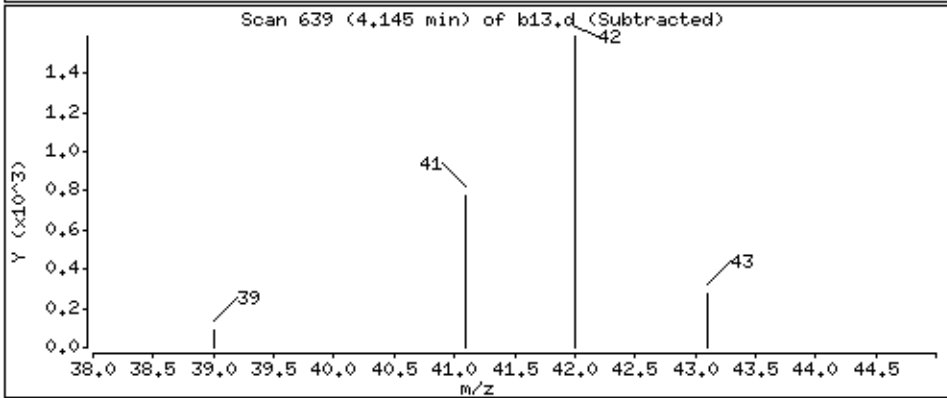
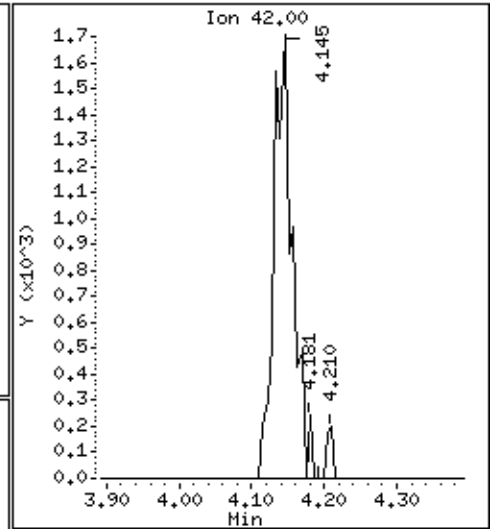
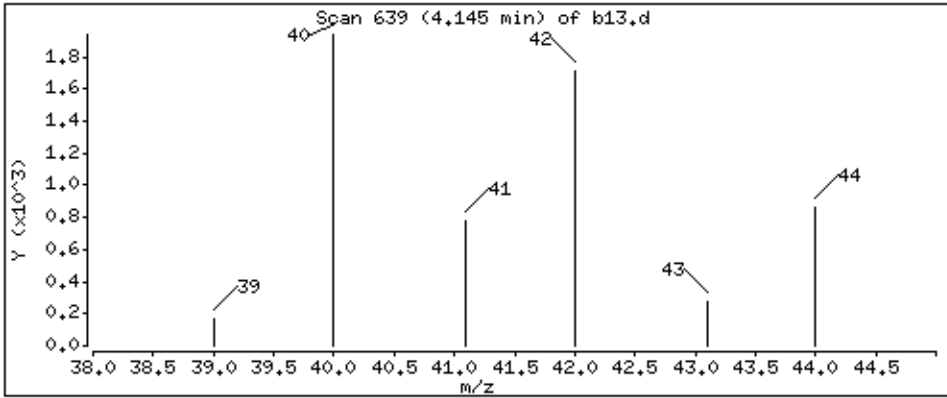
Operator: rsw

Column phase: DB-624

Column diameter: 0,18

33 Tetrahydrofuran

Concentration: 0,839 ppb



Date : 01-JUL-2014 18:25

Client ID: SOIL EQ BLANK

Instrument: 50mv4b.i

Sample Info: 5099688013

Purge Volume: 5.0

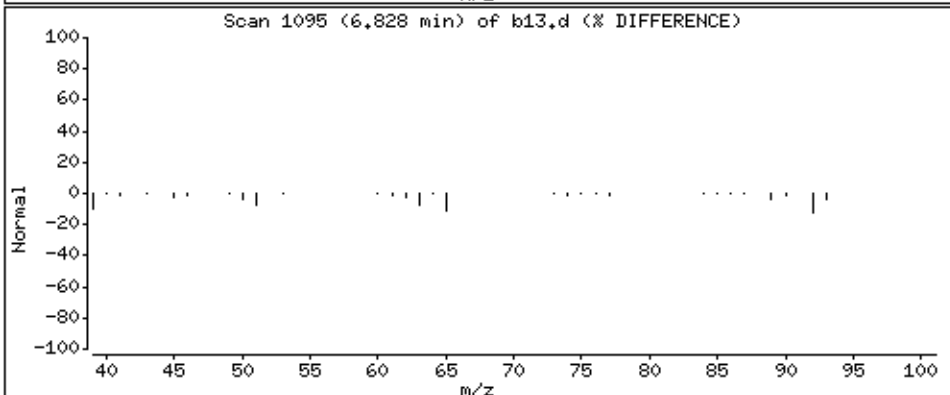
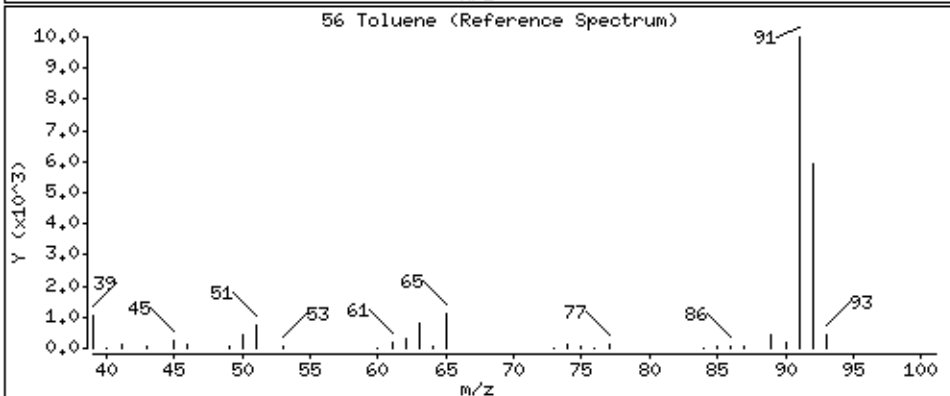
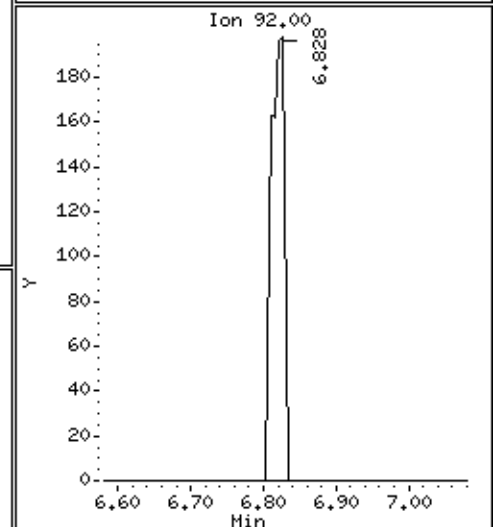
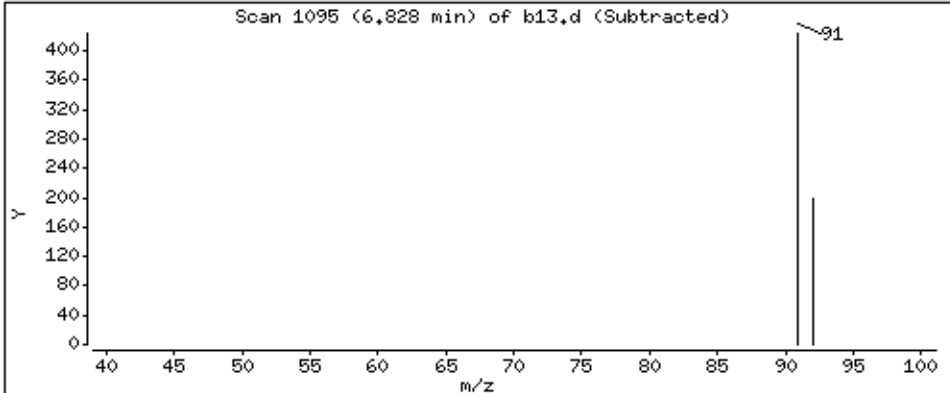
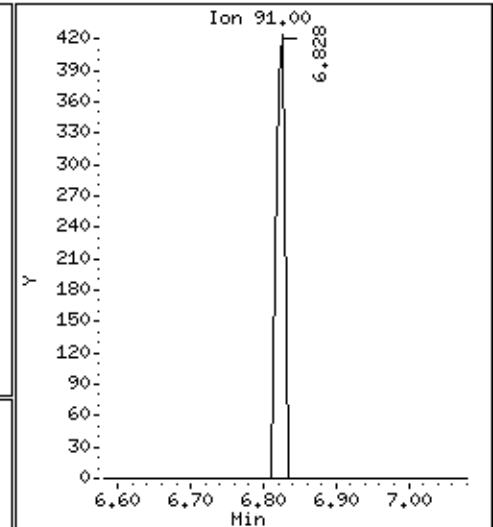
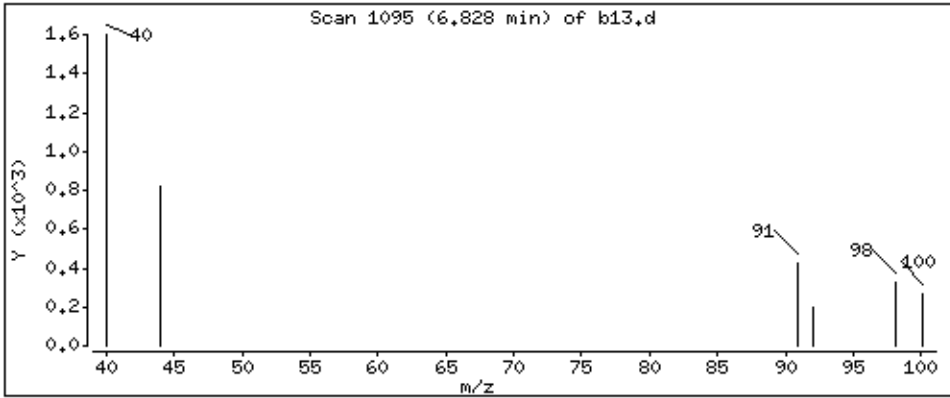
Operator: rsw

Column phase: DB-624

Column diameter: 0,18

56 Toluene

Concentration: 0,0142 ppb



Data File: \\192.168.50.6\chem\50mv4b.i\b070114.b/b13.d
Injection Date: 01-JUL-2014 18:25
Instrument: 50mv4b.i
Lab Sample ID: 5099688013
NO SIGNAL MANUAL INTEGRATIONS DONE FOR THIS DATA FILE

Pace Analytical Services, Inc.

Data file : \\192.168.50.6\chem\50mv3a.i\a061914cal.b\a01cal.d
 Lab Smp Id: 8260-CAL1,71097:0 Client Smp ID: 8260-CAL1,71097:0
 Inj Date : 19-JUN-2014 14:46
 Operator : jlz Inst ID: 50mv3a.i
 Smp Info : 8260-call,71097:0
 Misc Info : 65925
 Comment :
 Method : \\192.168.50.6\chem\50mv3a.i\a061914cal.b\ -a8260_a_c.m
 Meth Date : 20-Jun-2014 13:40 50mv3a.i Quant Type: ISTD
 Cal Date : 19-JUN-2014 14:46 Cal File: a01cal.d
 Als bottle: 3 Calibration Sample, Level: 1
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: all.sub
 Target Version: 4.14

Concentration Formula: Amt * DF * Uf/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT	SIG	RT	EXP RT	REL RT	RESPONSE	AMOUNTS		REVIEW C
							CAL-AMT (ug/L)	ON-COL (ug/L)	
16 allyl chloride	41		1.943	1.947	(0.437)	1078	2.00000	1.46(Q)	
17 Methylene Chloride	84		2.027	2.032	(0.456)	5312	1.00000	2.29	
\$ 32 Dibromofluoromethane (S)	113		3.612	3.617	(0.813)	20505	50.0000	51.6	
37 Benzene	78		4.061	4.067	(0.914)	1561	1.00000	0.787(M)	NI
* 41 Fluorobenzene (IS)	96		4.443	4.448	(1.000)	85554	50.0000		
\$ 52 Toluene-d8 (S)	98		6.253	6.258	(0.831)	81372	50.0000	50.3	
* 62 Chlorobenzene-D5 (IS)	117		7.524	7.524	(1.000)	60910	50.0000		
\$ 71 4-Bromofluorobenzene (S)	95		8.329	8.329	(1.107)	27571	50.0000	48.5	
* 85 1,4-Dichlorobenzene-d4 (IS)	152		9.009	9.004	(1.000)	31461	50.0000		
92 Naphthalene	128		10.196	10.191	(1.132)	1009	1.00000	0.738(M)	NI

QC Flag Legend

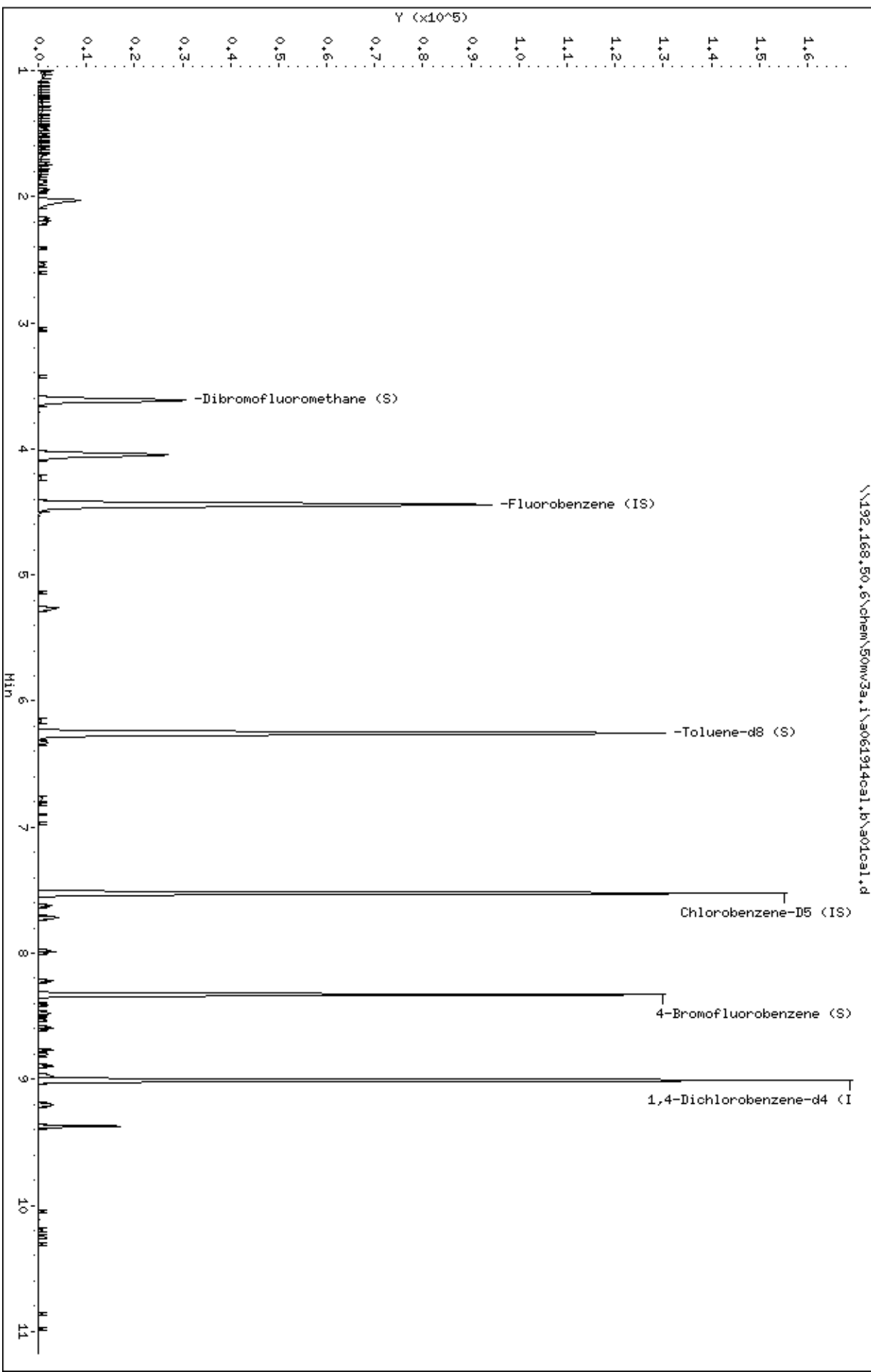
Q - Qualifier signal failed the ratio test.
 M - Compound response manually integrated.

Review Codes Legend

:
 NI: Indicates that the peak was not integrated at all by the computer software.

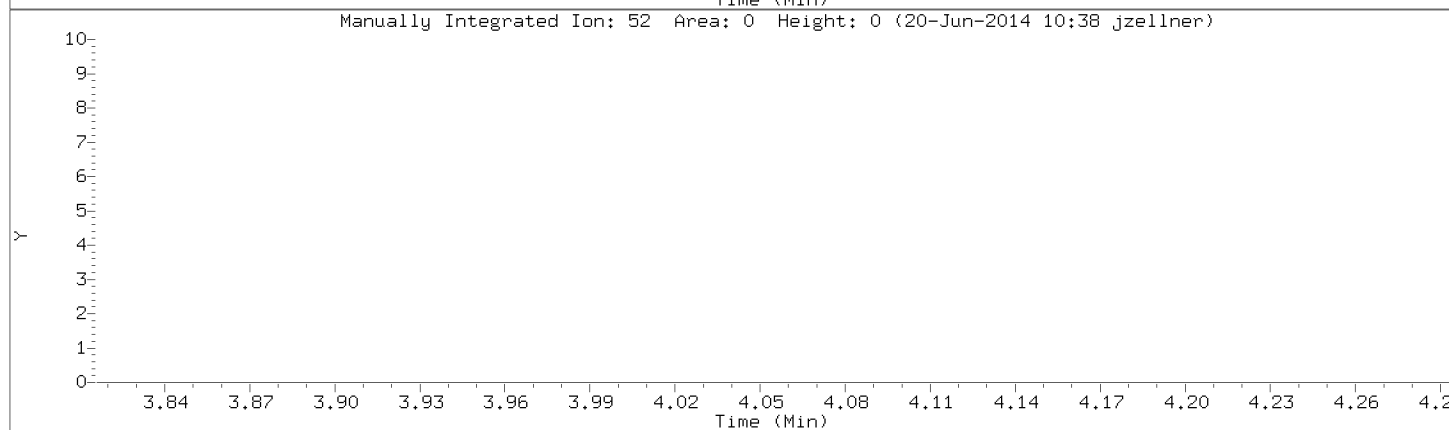
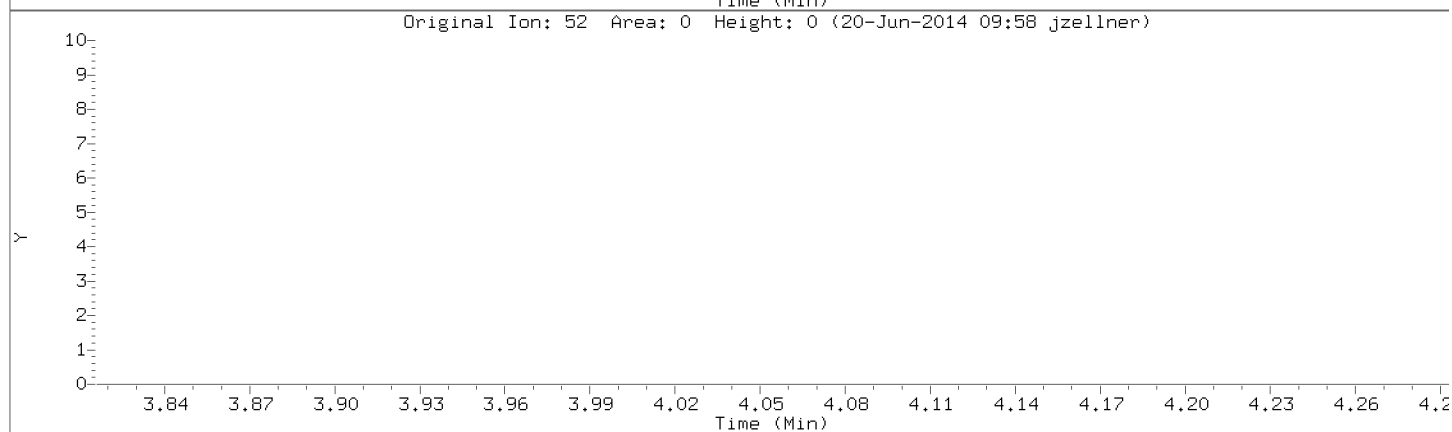
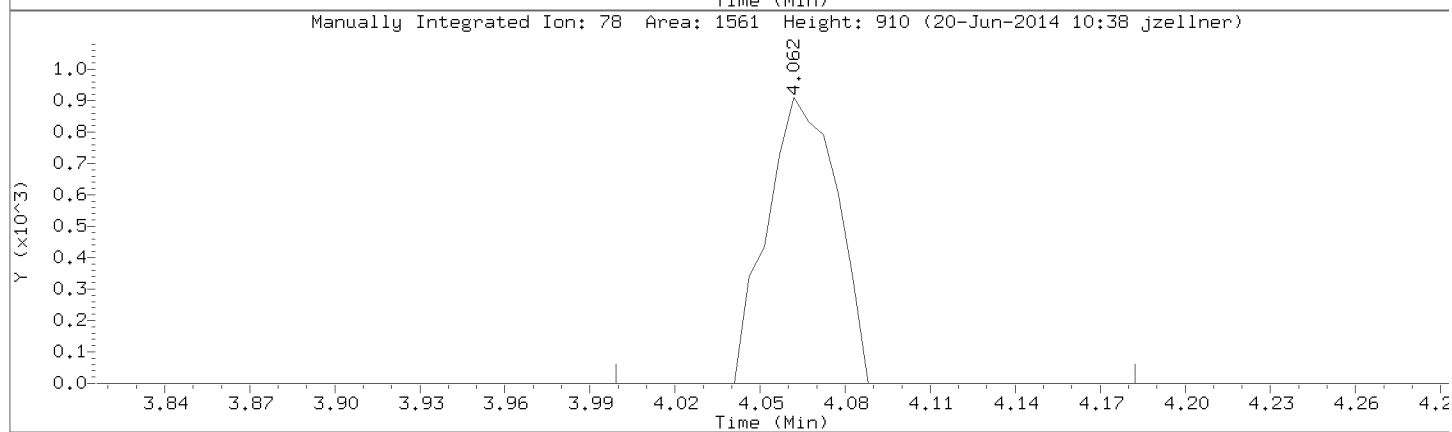
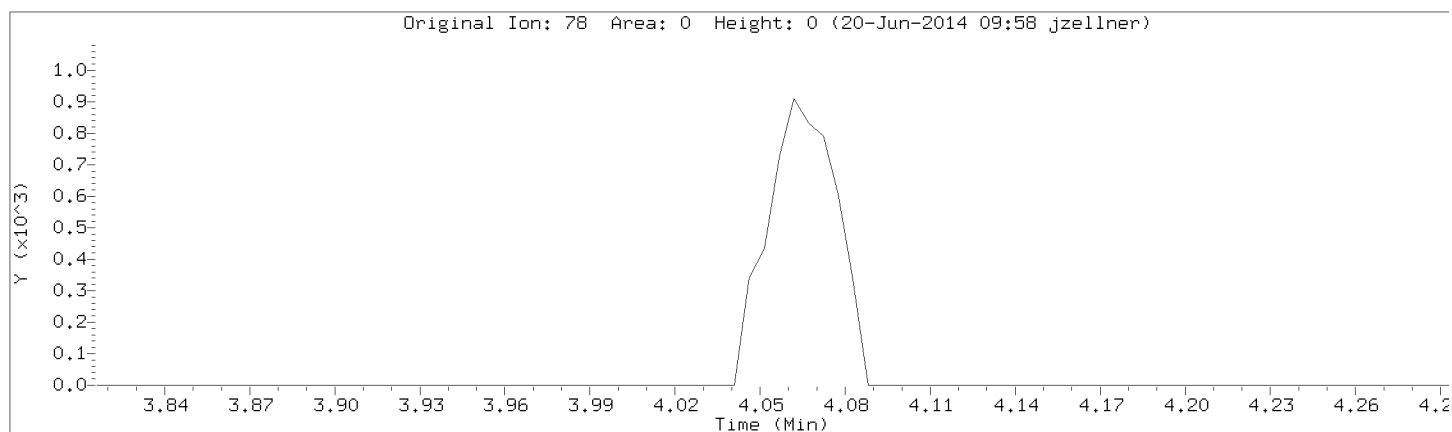
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Date: 19-JUN-2014 14:46
Client ID: 8260-CAL1.71097:0
Sample Info: 8260-CAL1.71097:0
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50wv3a.1
Operator: JIZ
Column diameter: 0.18

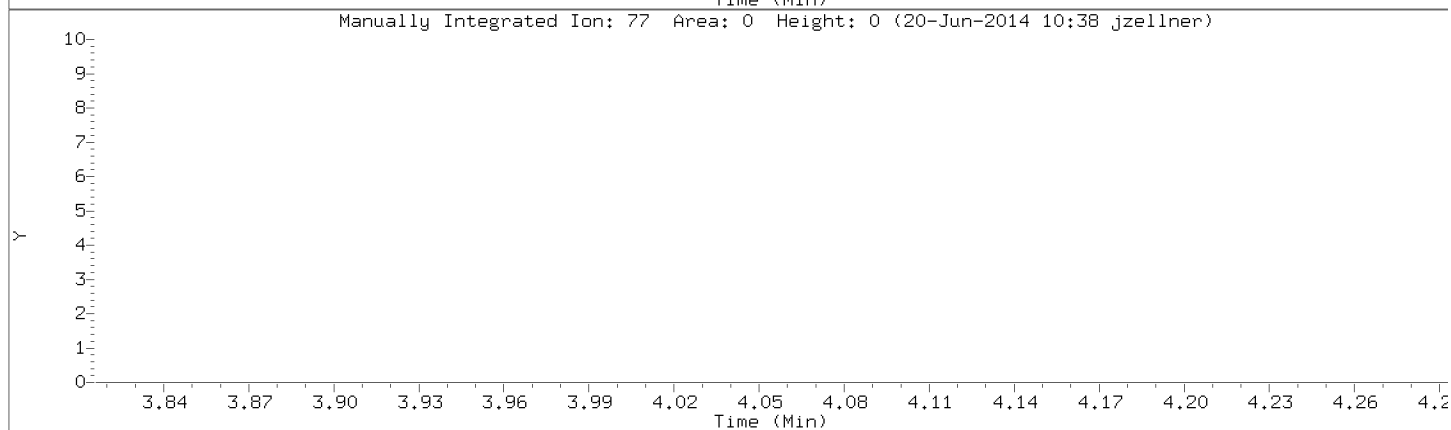
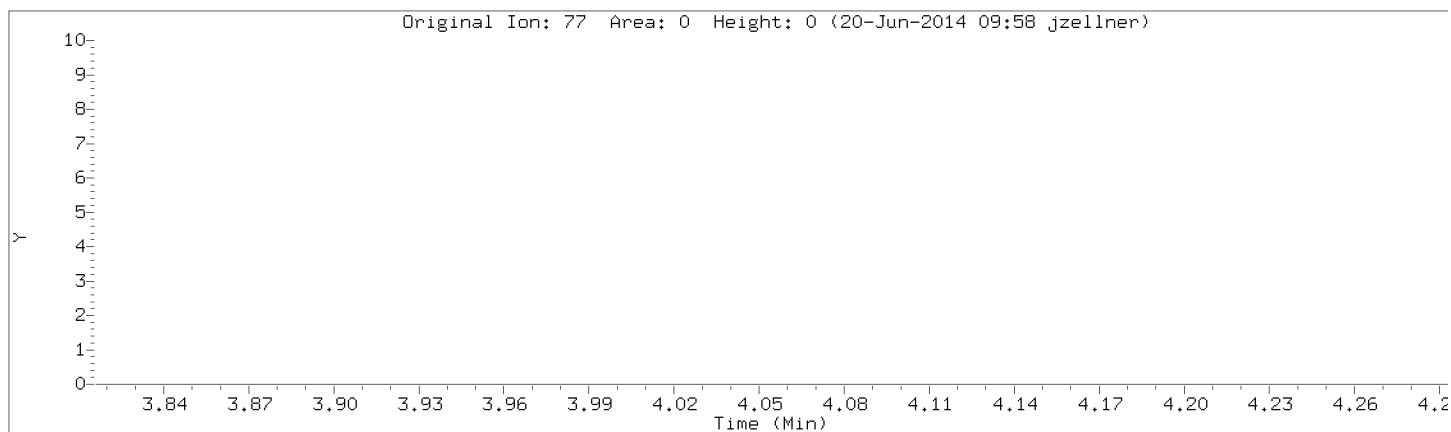


Data File: \\192.168.50.6\chem\50mv3a.i\061914cal.b/a01cal.d
Injection Date: 19-JUN-2014 14:46
Instrument: 50mv3a.i
Lab Sample ID: 8260-CAL1,71097:0

Compound: Benzene
CAS Number: 71-43-2



Data File: \\192.168.50.6\chem\50mv3a.i\a061914cal.b/a01cal.d
Injection Date: 19-JUN-2014 14:46
Instrument: 50mv3a.i
Lab Sample ID: 8260-CAL1,71097:0



Data File: \\192.168.50.6\chem\50mv3a.i\a061914cal.b/a01cal.d

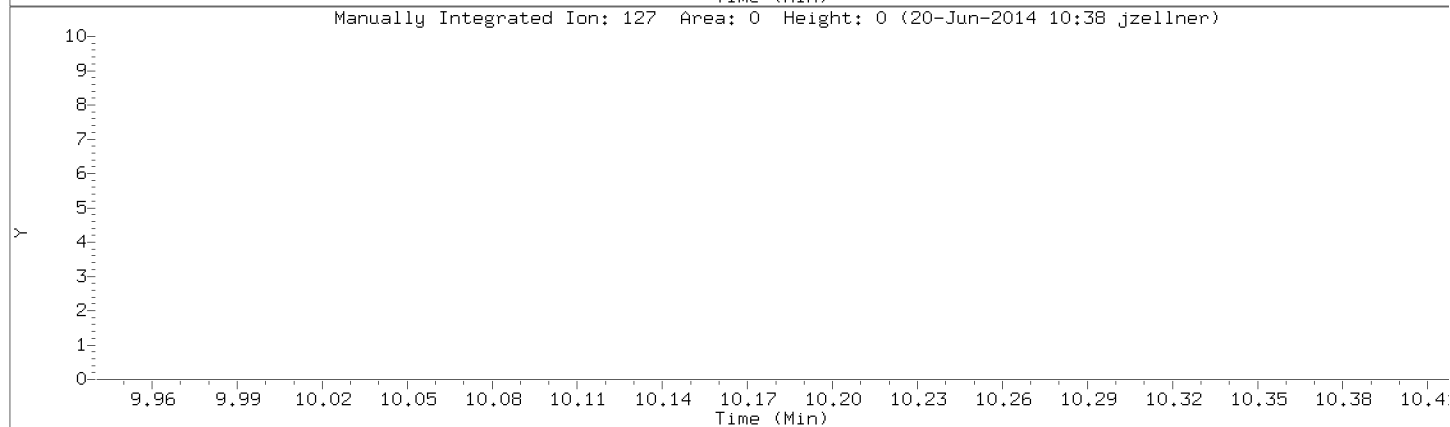
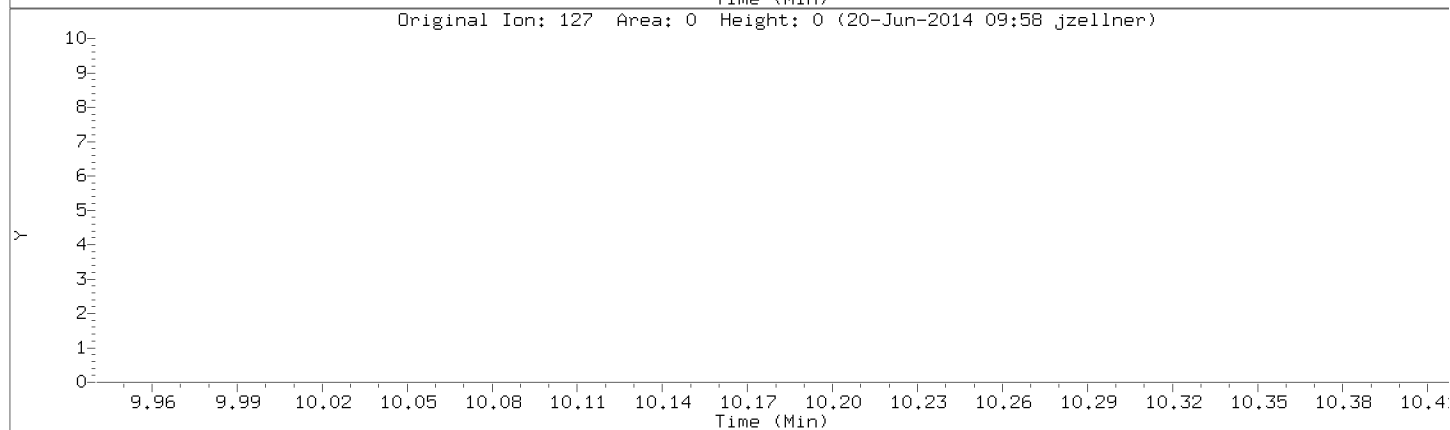
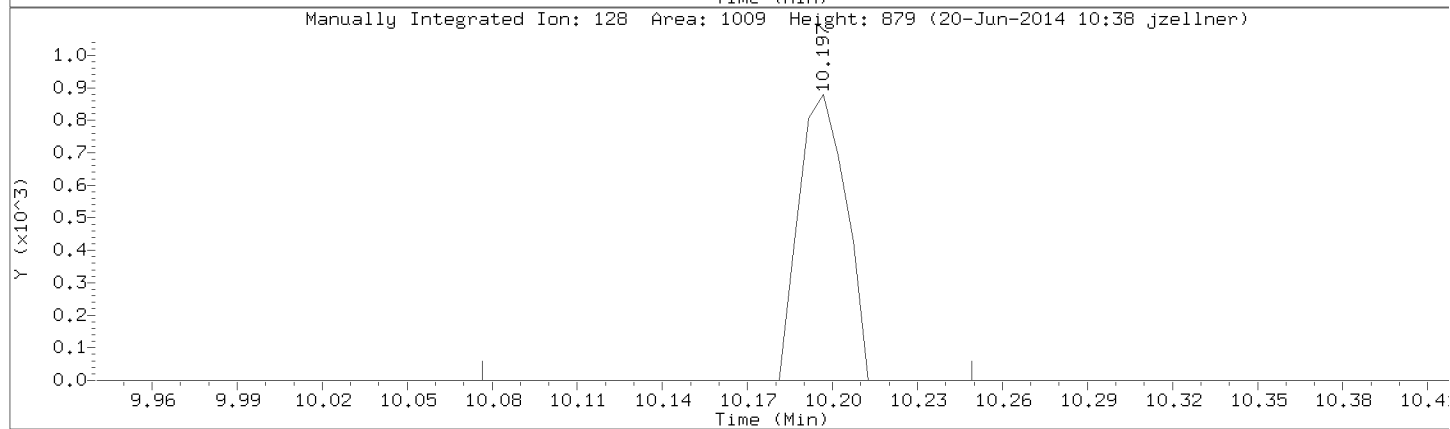
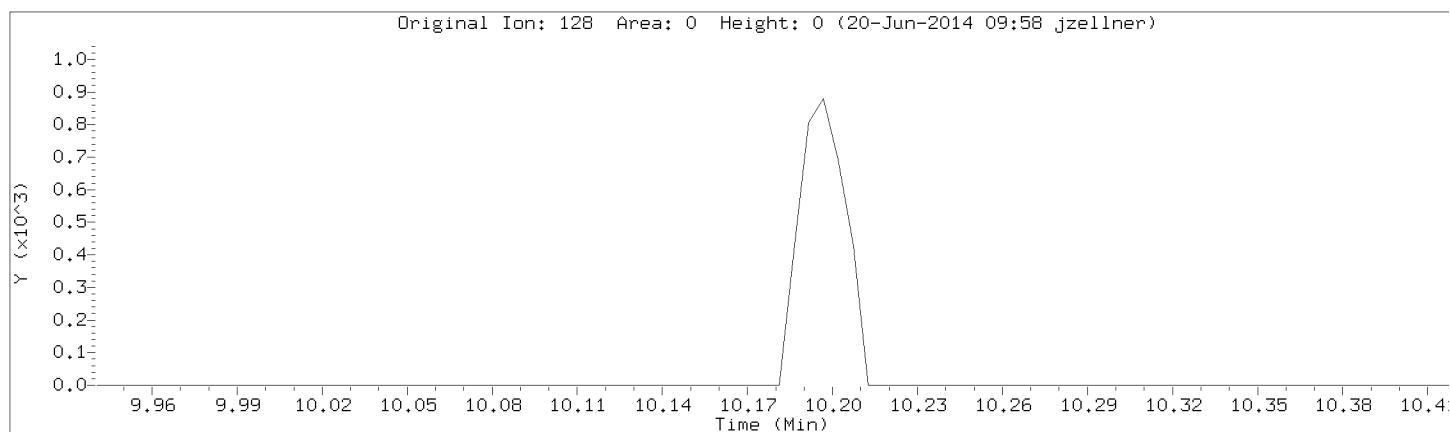
Injection Date: 19-JUN-2014 14:46

Instrument: 50mv3a.i

Lab Sample ID: 8260-CAL1,71097:0

Compound: Naphthalene

CAS Number: 91-20-3



Pace Analytical Services, Inc.

Data file : \\192.168.50.6\chem\50mv3a.i\a061914cal.b\a02cal.d
 Lab Smp Id: 8260-CAL2,71098:0 Client Smp ID: 8260-CAL2,71098:0
 Inj Date : 19-JUN-2014 15:18
 Operator : jlz Inst ID: 50mv3a.i
 Smp Info : 8260-cal2,71098:0
 Misc Info : 65925
 Comment :
 Method : \\192.168.50.6\chem\50mv3a.i\a061914cal.b\ -a8260_a_c.m
 Meth Date : 20-Jun-2014 13:40 50mv3a.i Quant Type: ISTD
 Cal Date : 19-JUN-2014 15:18 Cal File: a02cal.d
 Als bottle: 5 Calibration Sample, Level: 2
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: all.sub
 Target Version: 4.14

Concentration Formula: Amt * DF * Uf/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT	SIG	AMOUNTS					REVIEW	C
			MASS	RT	EXP RT	REL RT	RESPONSE		
3 Vinyl Chloride	62		1.141	1.138	(0.257)	367	2.00000	2.16 (M)	NI
16 allyl chloride	41		1.946	1.947	(0.438)	2536	4.00000	3.77 (Q)	
17 Methylene Chloride	84		2.030	2.032	(0.457)	4982	2.00000	2.56	
19 Acrylonitrile	53		2.176	2.173	(0.490)	2835	40.00000	33.4	
20 Methyl-tert-butyl ether	73		2.208	2.205	(0.497)	3445	4.00000	3.49	
\$ 32 Dibromofluoromethane (S)	113		3.620	3.617	(0.814)	17798	50.00000	49.0	
37 Benzene	78		4.070	4.067	(0.915)	3436	2.00000	1.90 (M)	NI
* 41 Fluorobenzene (IS)	96		4.446	4.448	(1.000)	78141	50.00000		
\$ 52 Toluene-d8 (S)	98		6.256	6.258	(0.832)	74271	50.00000	49.5	
53 Toluene	91		6.334	6.331	(0.842)	4124	2.00000	1.92	
60 Dibromochloromethane	129		7.077	7.079	(0.941)	385	2.00000	4.18	
* 62 Chlorobenzene-D5 (IS)	117		7.522	7.524	(1.000)	56455	50.00000		
65 Ethylbenzene	106		7.626	7.623	(1.014)	1318	2.00000	1.64 (QH)	WP
66 m&p-Xylene	106		7.720	7.717	(1.026)	3460	4.00000	3.53	
67 o-Xylene	106		7.977	7.979	(1.060)	1656	2.00000	1.81 (M)	NI
68 Styrene	104		7.992	7.994	(1.063)	2524	2.00000	1.67	
70 Isopropylbenzene	105		8.217	8.219	(1.092)	4636	2.00000	1.80	
\$ 71 4-Bromofluorobenzene (S)	95		8.327	8.329	(1.107)	25893	50.00000	49.2	
76 n-Propylbenzene	91		8.479	8.476	(0.941)	5812	2.00000	1.94	
77 2-Chlorotoluene	91		8.526	8.528	(0.947)	3161	2.00000	1.89	
78 1,3,5-Trimethylbenzene	105		8.583	8.585	(0.953)	4114	2.00000	1.87	
79 4-Chlorotoluene	126		8.531	8.601	(0.947)	1072	2.00000	1.84 (Q)	
80 tert-Butylbenzene	119		8.766	8.763	(0.973)	4083	2.00000	1.72	

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS		REVIEW C
						CAL-AMT (ug/L)	ON-COL (ug/L)	
81 1,2,4-Trimethylbenzene	105	8.798	8.800	(0.977)	3898	2.00000	1.78	
82 sec-Butylbenzene	105	8.892	8.889	(0.987)	5539	2.00000	1.89	
83 1,3-Dichlorobenzene	146	8.965	8.962	(0.995)	2446	2.00000	2.04 (M)	WP
84 p-Isopropyltoluene	119	8.976	8.972	(0.997)	4656	2.00000	1.82	
* 85 1,4-Dichlorobenzene-d4 (IS)	152	9.007	9.004	(1.000)	30288	50.00000		
86 1,4-Dichlorobenzene	146	9.017	9.019	(1.001)	2393	2.00000	2.00	
87 n-Butylbenzene	91	9.195	9.192	(1.021)	4163	2.00000	1.81	
88 1,2-Dichlorobenzene	146	9.211	9.213	(1.023)	2149	2.00000	2.03 (M)	WP
90 1,2,4-Trichlorobenzene	180	10.042	10.045	(1.115)	1331	2.00000	1.74 (M)	NI
91 Hexachlorobutadiene	225	10.110	10.107	(1.123)	811	2.00000	1.68 (M)	NI
92 Naphthalene	128	10.189	10.191	(1.131)	2726	2.00000	2.07 (M)	NI
93 1,2,3-Trichlorobenzene	180	10.309	10.311	(1.145)	1268	2.00000	1.85 (M)	
94 2-methyl-naphthalene	142	10.853	10.855	(1.205)	1313	2.00000	1.59 (M)	NI
95 1-Methylnaphthalene	142	10.973	10.976	(1.218)	1199	2.00000	1.70 (QM)	NI

QC Flag Legend

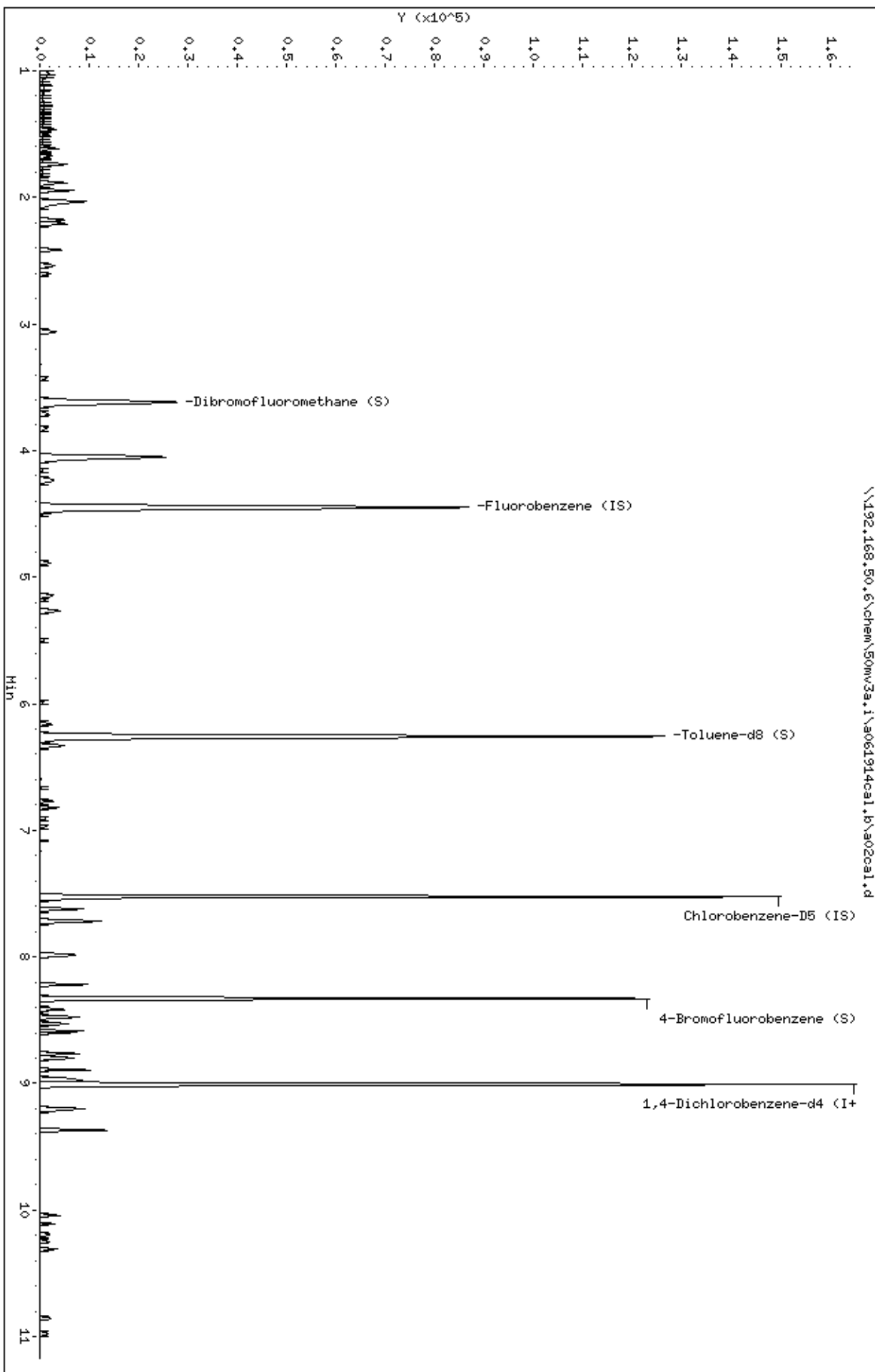
- Q - Qualifier signal failed the ratio test.
- M - Compound response manually integrated.
- H - Operator selected an alternate compound hit.

Review Codes Legend

- :
NI: Indicates that the peak was not integrated at all by the computer software.
- WP: Indicates that the wrong peak was chosen by the data system.

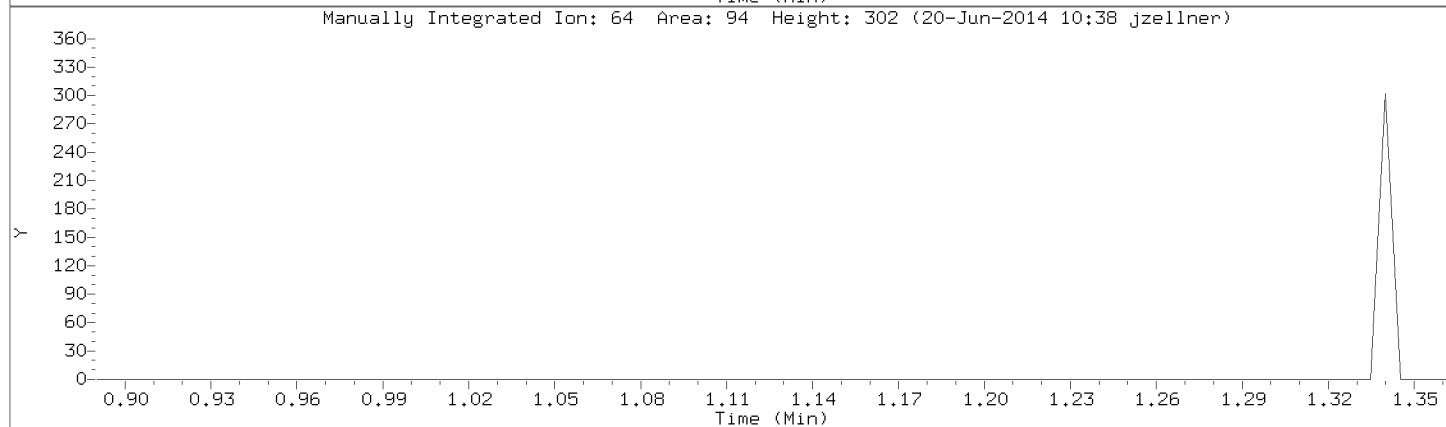
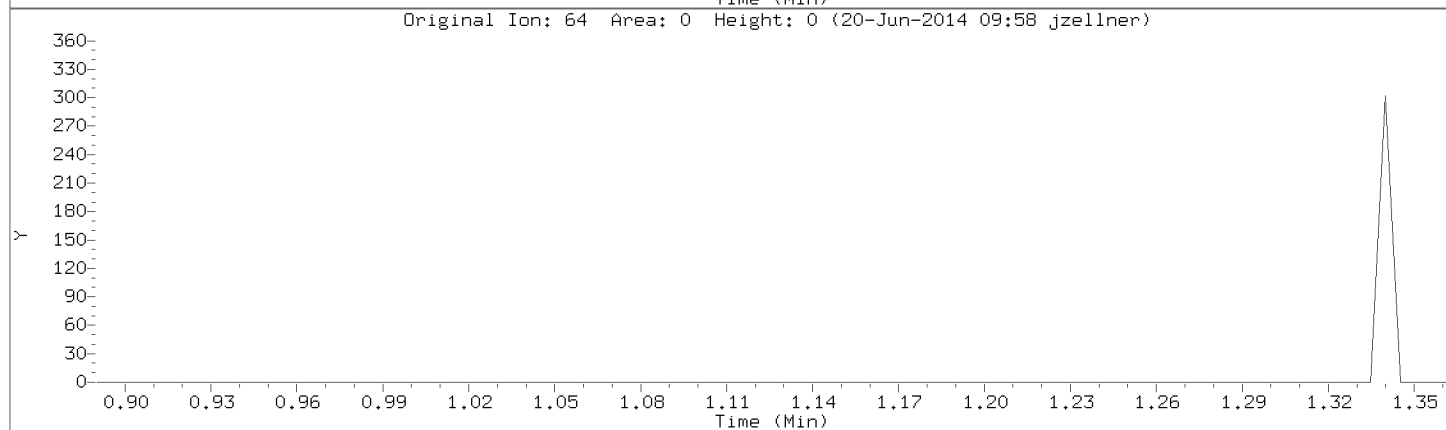
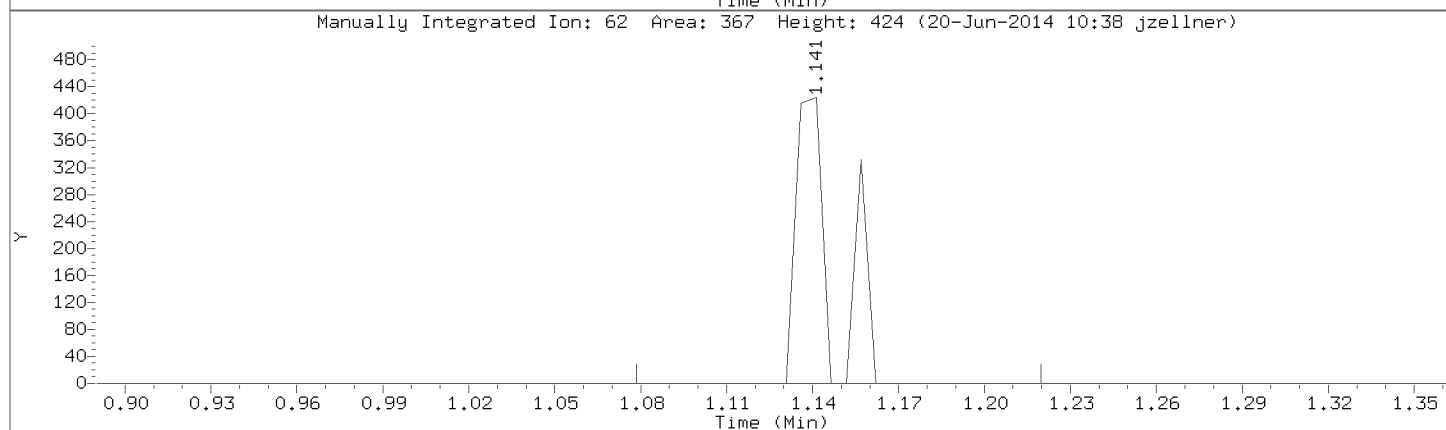
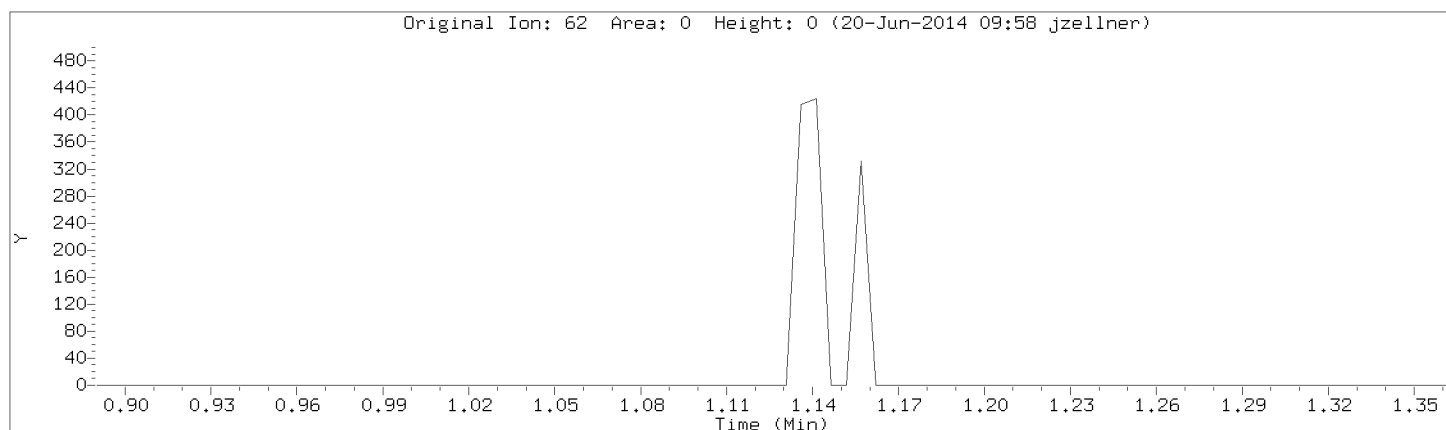
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Date: 19-JUN-2014 15:18
Client ID: 8260-CAL2,71098:0
Sample Info: 8260-CAL2,71098:0
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50mw3a.1
Operator: JIZ
Column diameter: 0.18



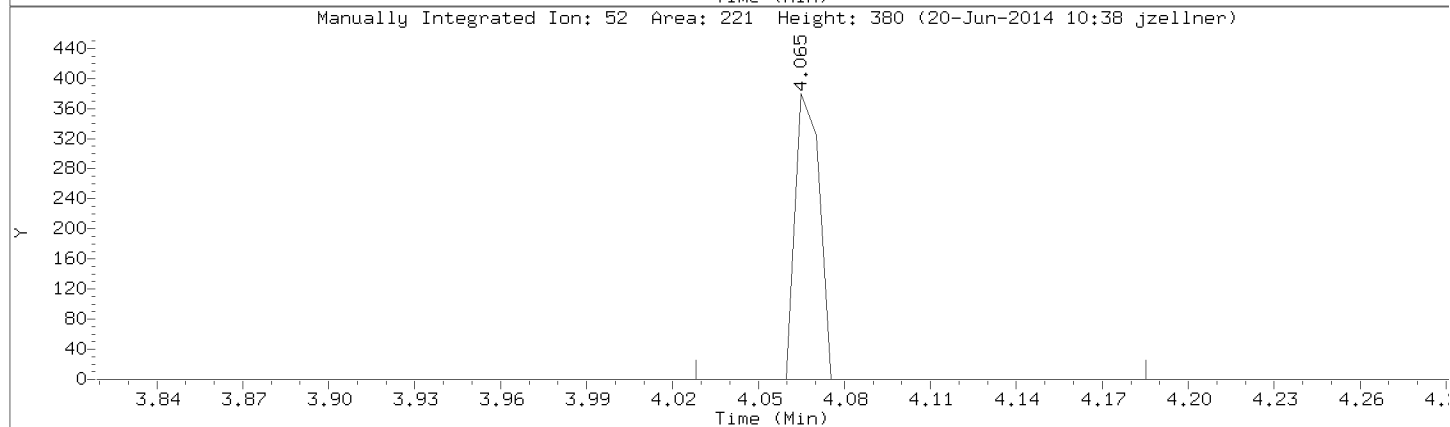
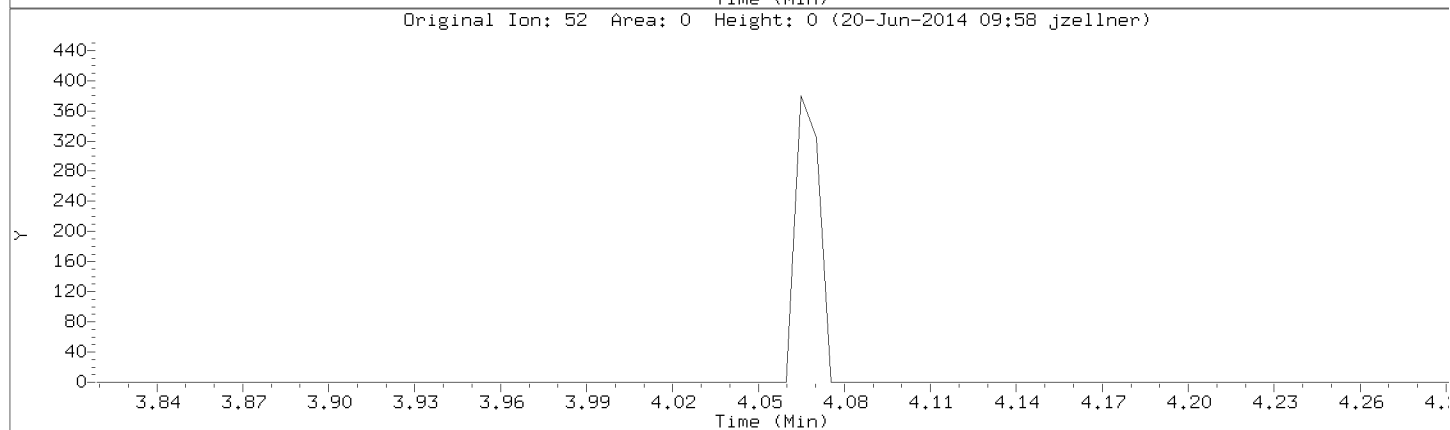
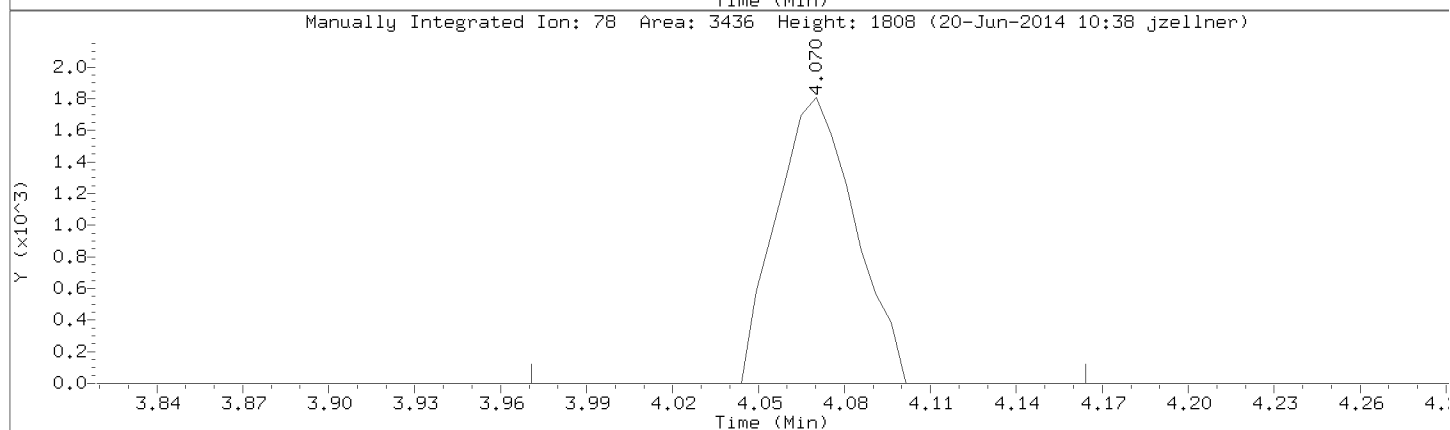
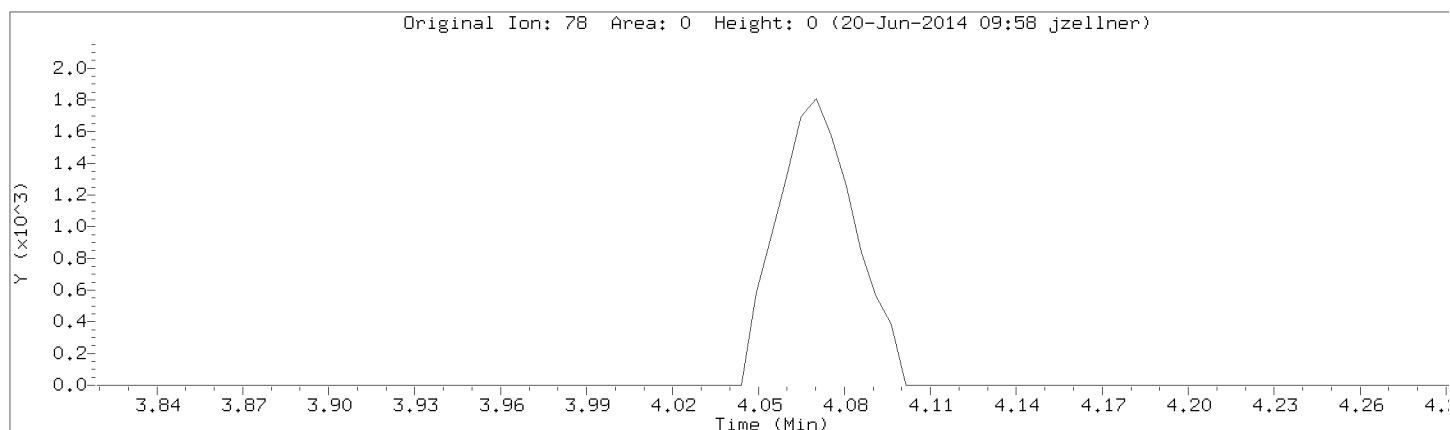
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Injection Date: 19-JUN-2014 15:18
Instrument: 50mv3a.i
Lab Sample ID: 8260-CAL2,71098:0

Compound: Vinyl Chloride
CAS Number: 75-01-4

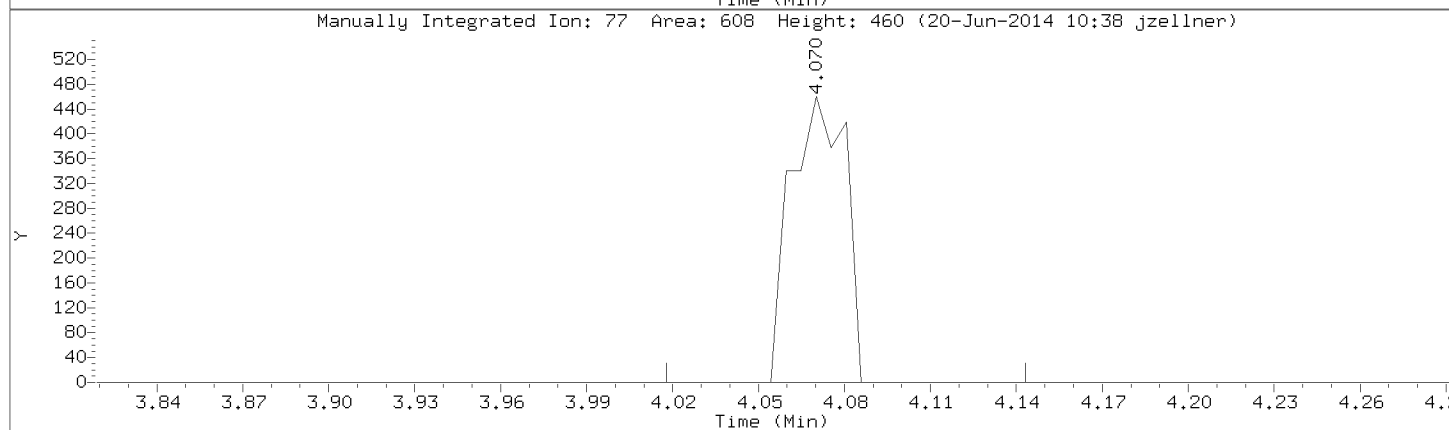
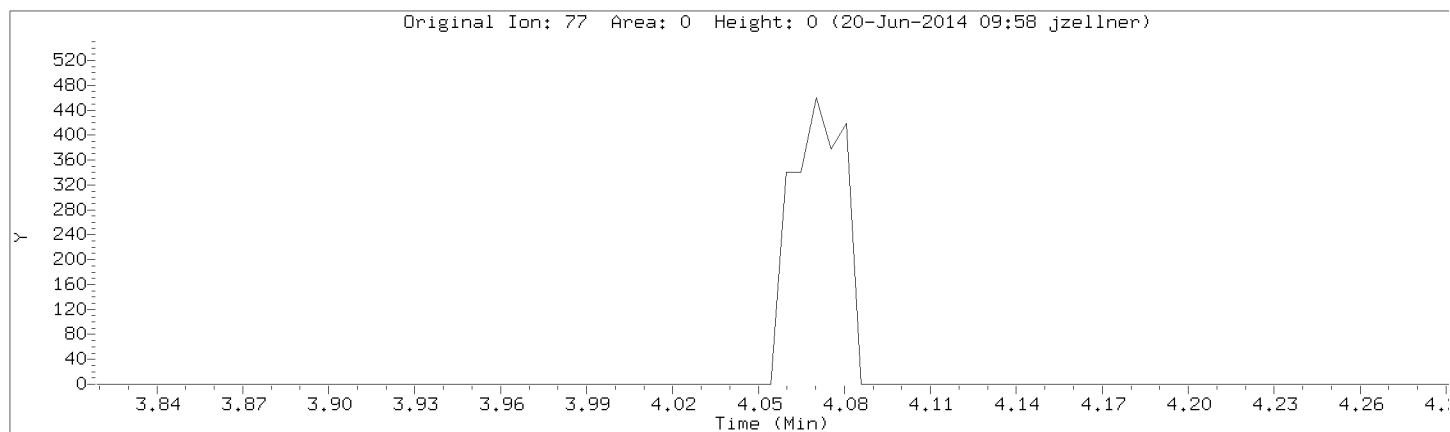


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Injection Date: 19-JUN-2014 15:18
Instrument: 50mv3a.i
Lab Sample ID: 8260-CAL2,71098:0

Compound: Benzene
CAS Number: 71-43-2

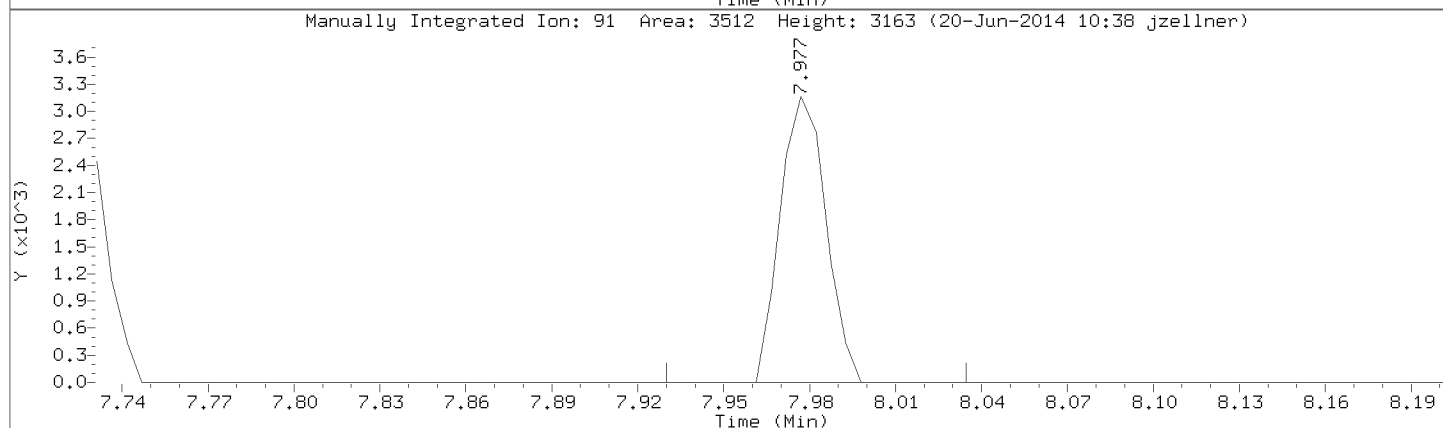
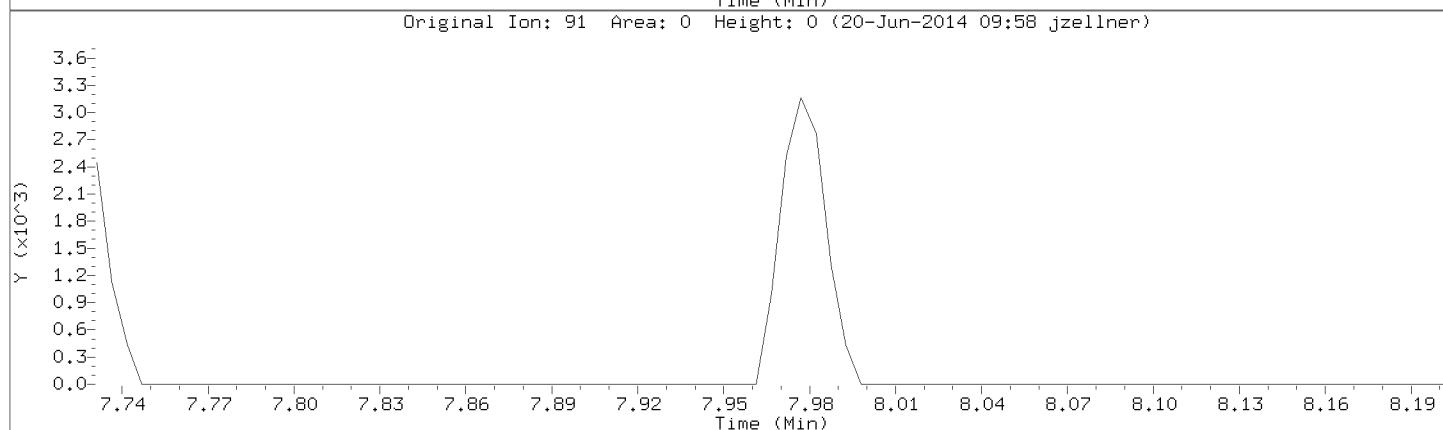
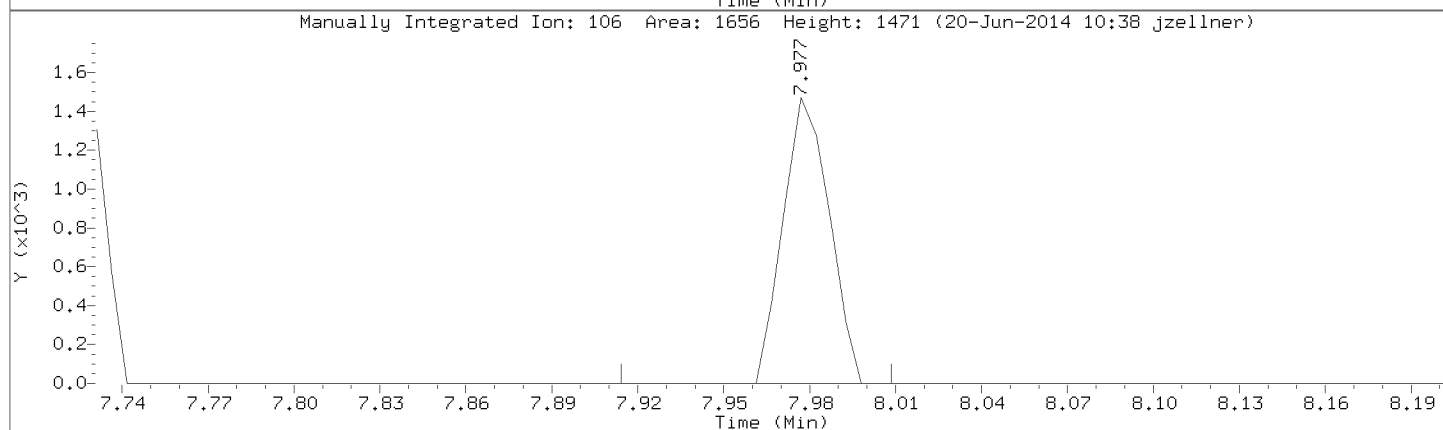
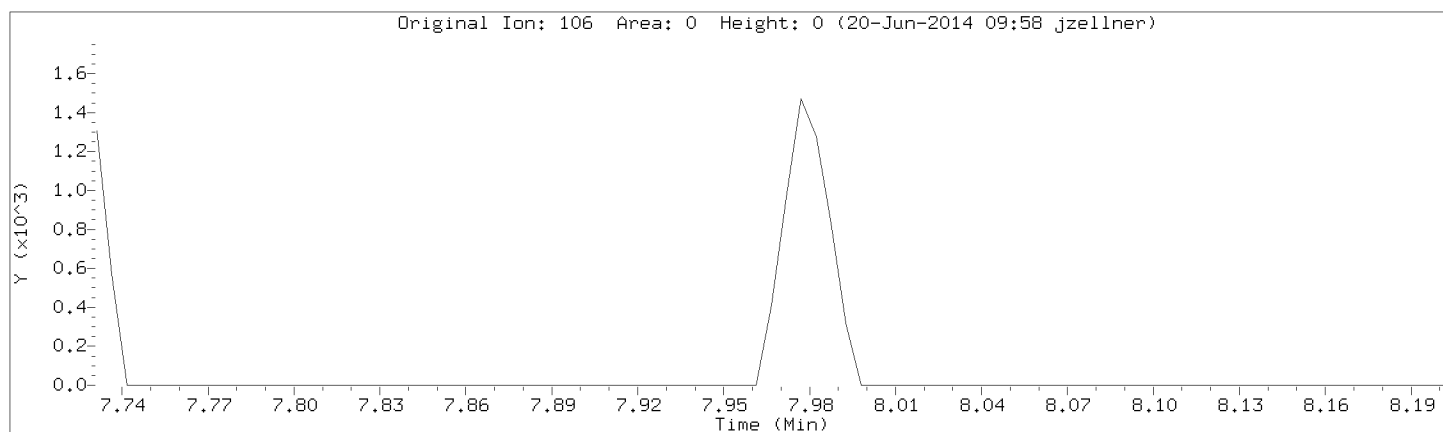


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Instrument: 50mv3a.i
Lab Sample ID: 8260-CAL2,71098:0

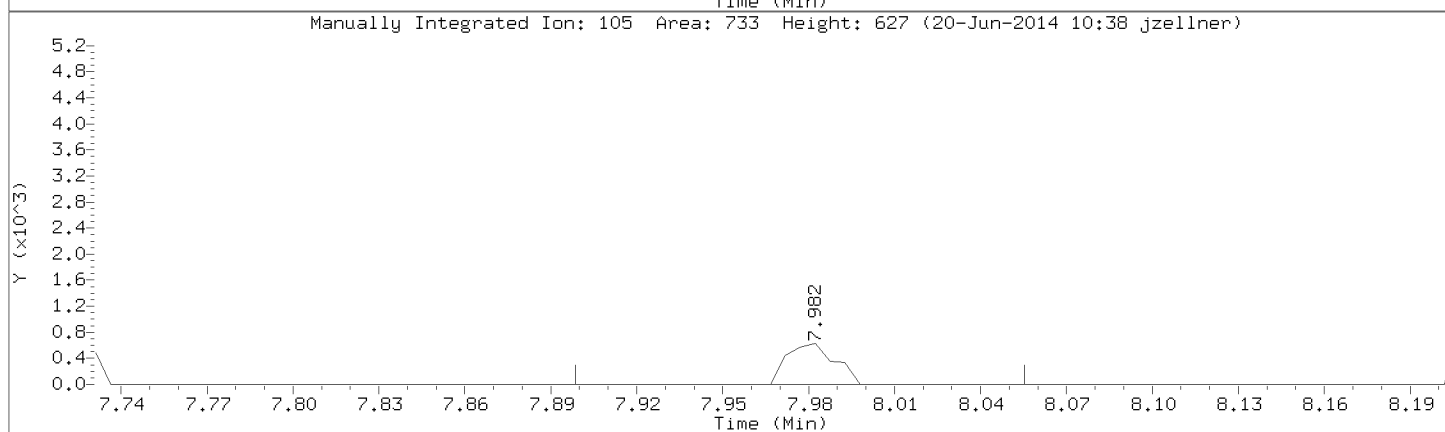
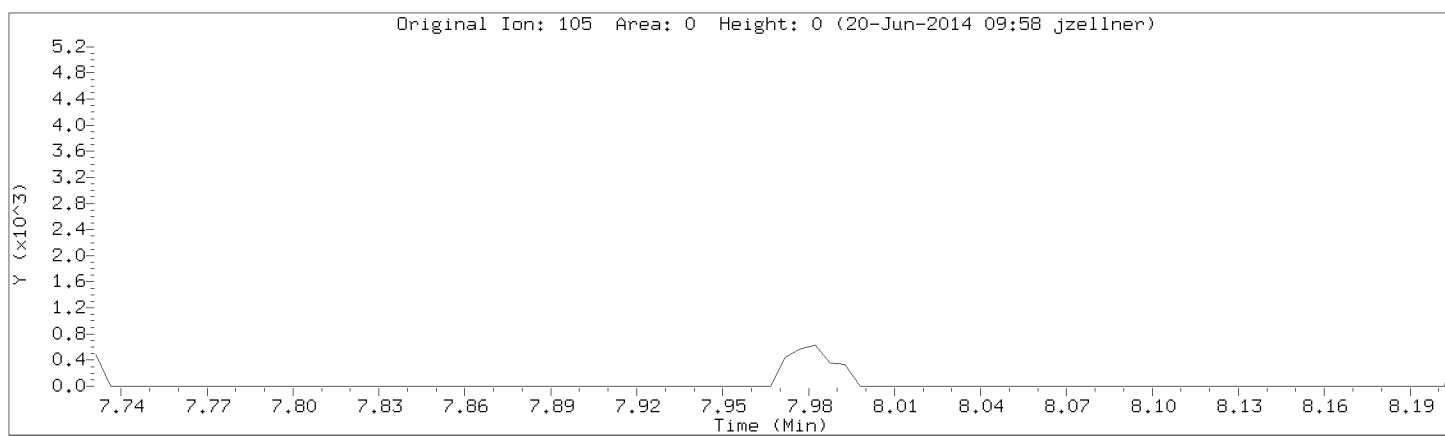


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Injection Date: 19-JUN-2014 15:18
Instrument: 50mv3a.i
Lab Sample ID: 8260-CAL2,71098:0

Compound: o-Xylene
CAS Number: 95-47-6

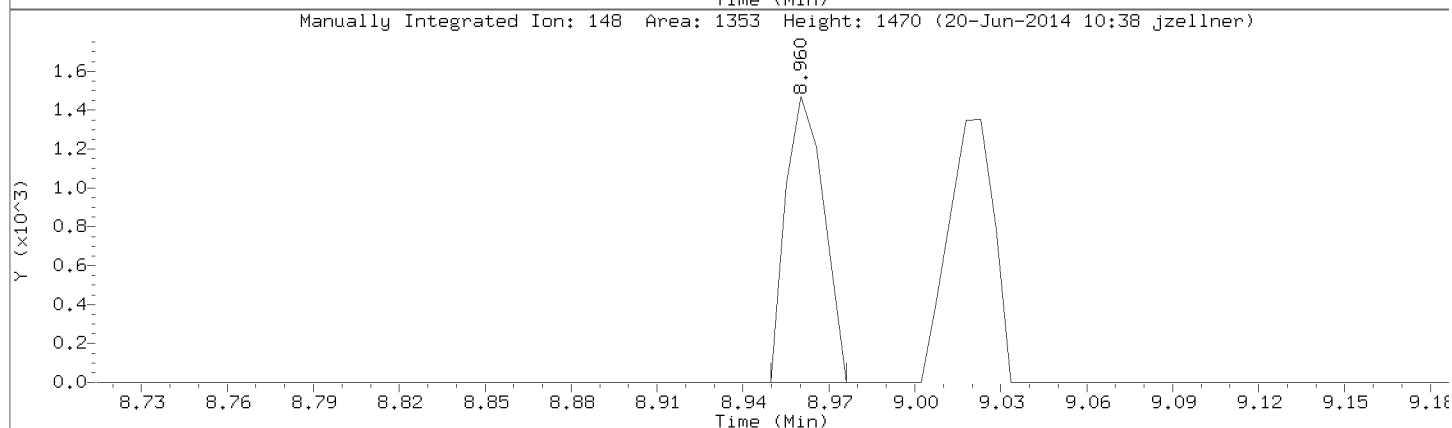
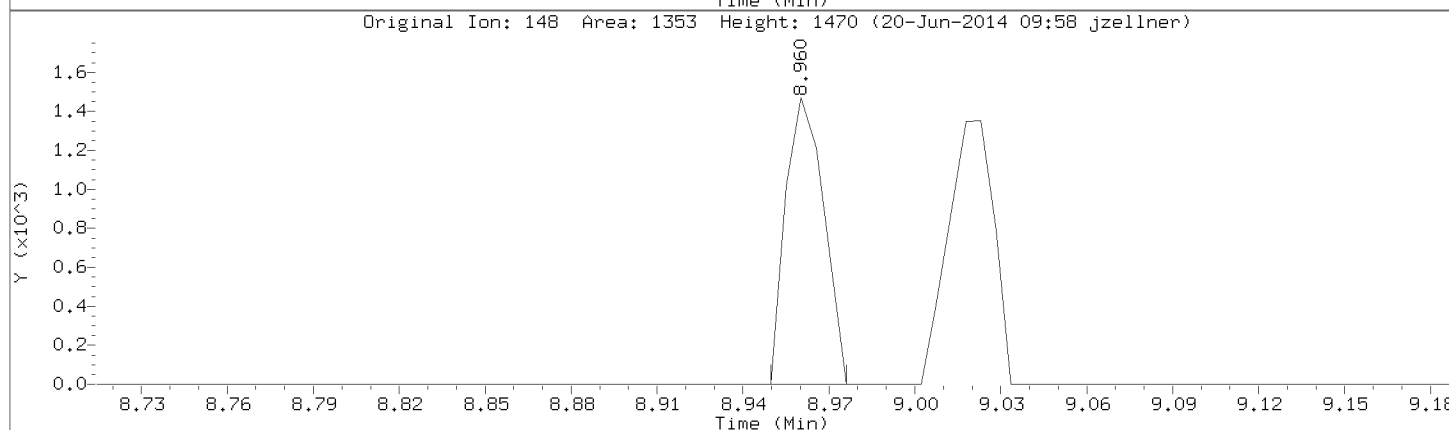
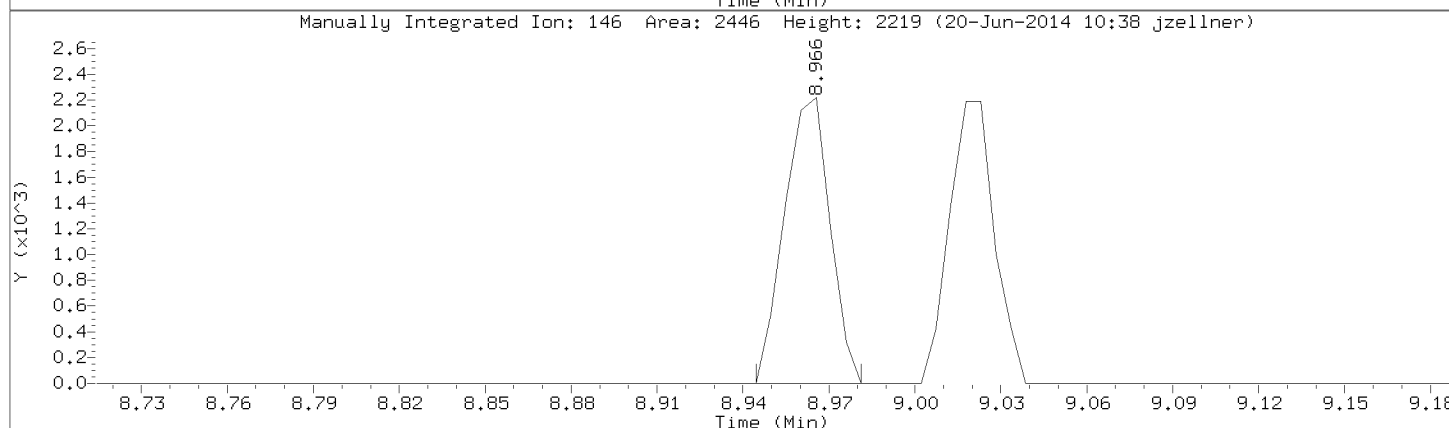
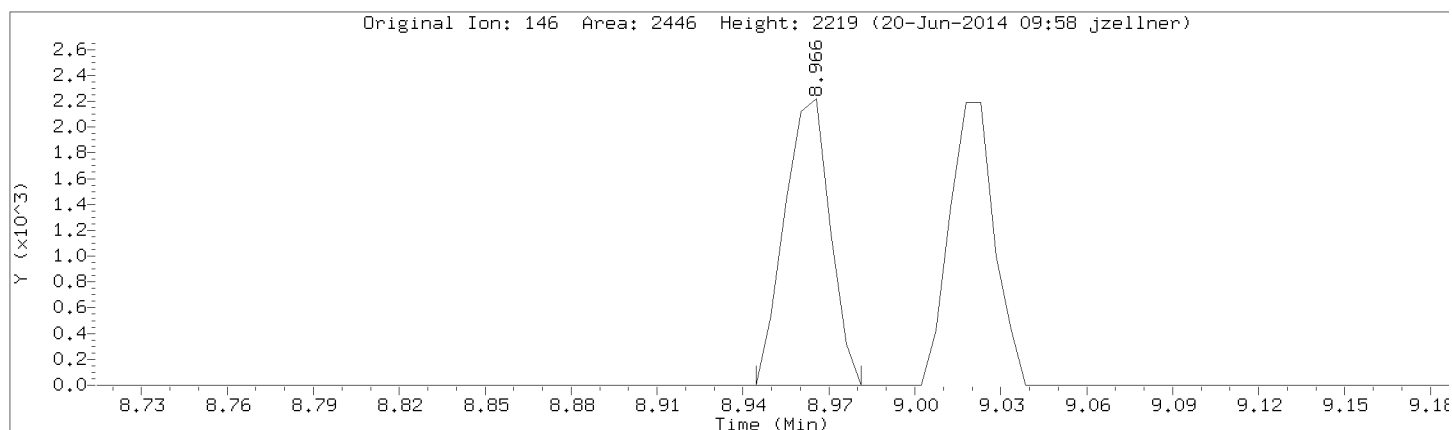


Data File: \\192.168.50.6\chem\50mv3a.i\a061914cal.b/a02cal.d
Injection Date: 19-JUN-2014 15:18
Instrument: 50mv3a.i
Lab Sample ID: 8260-CAL2,71098:0

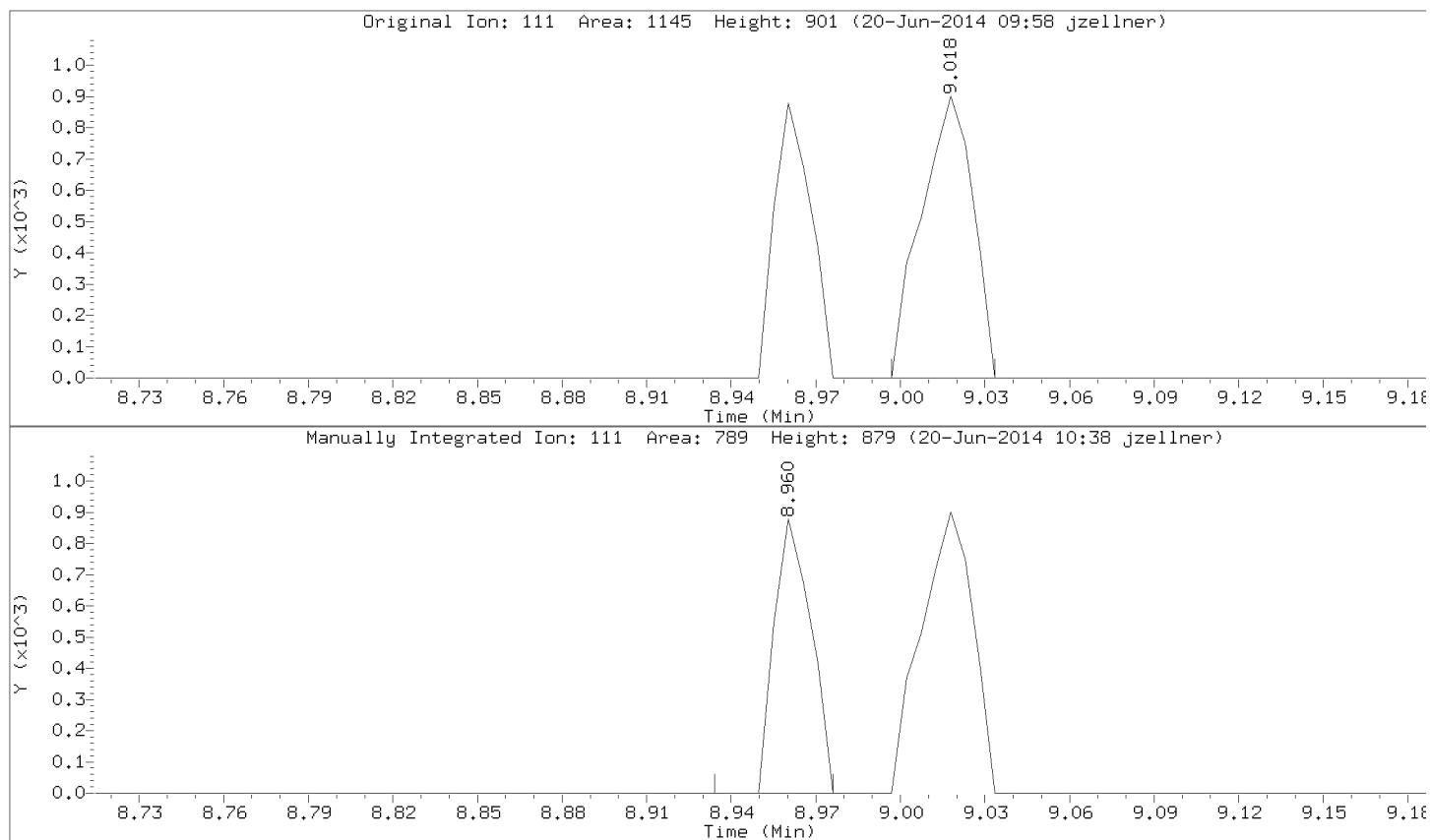


Data File: \\192.168.50.6\chem\50mv3a.i\061914cal.b/a02cal.d
Injection Date: 19-JUN-2014 15:18
Instrument: 50mv3a.i
Lab Sample ID: 8260-CAL2,71098:0

Compound: 1,3-Dichlorobenzene
CAS Number: 541-73-1

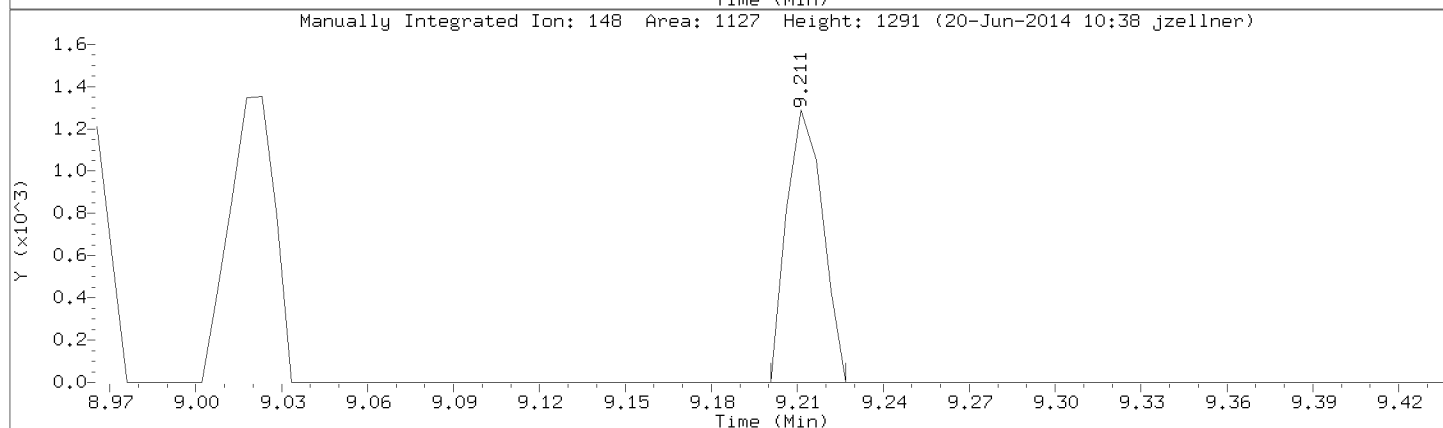
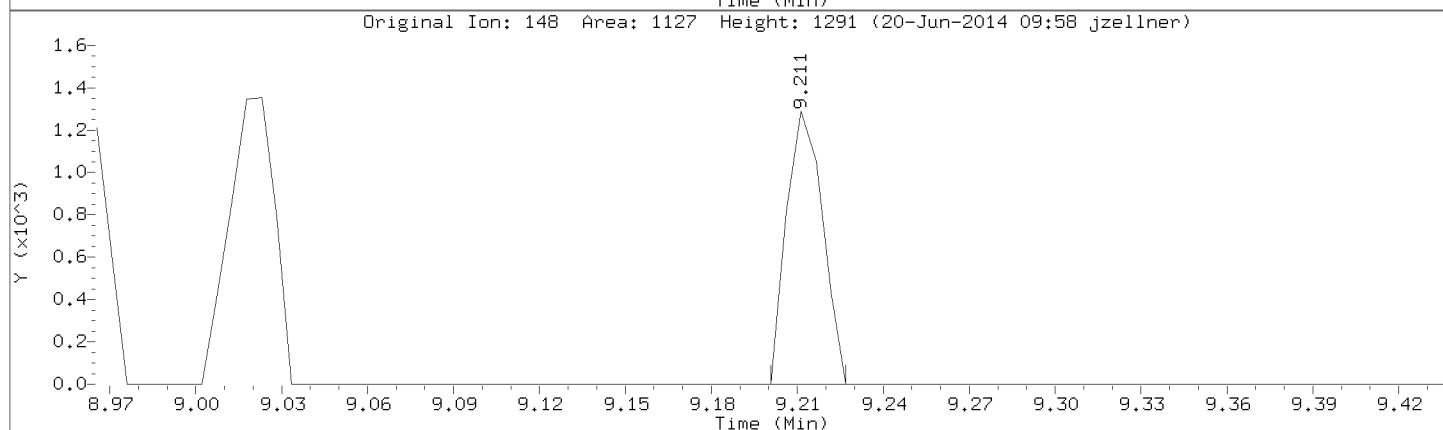
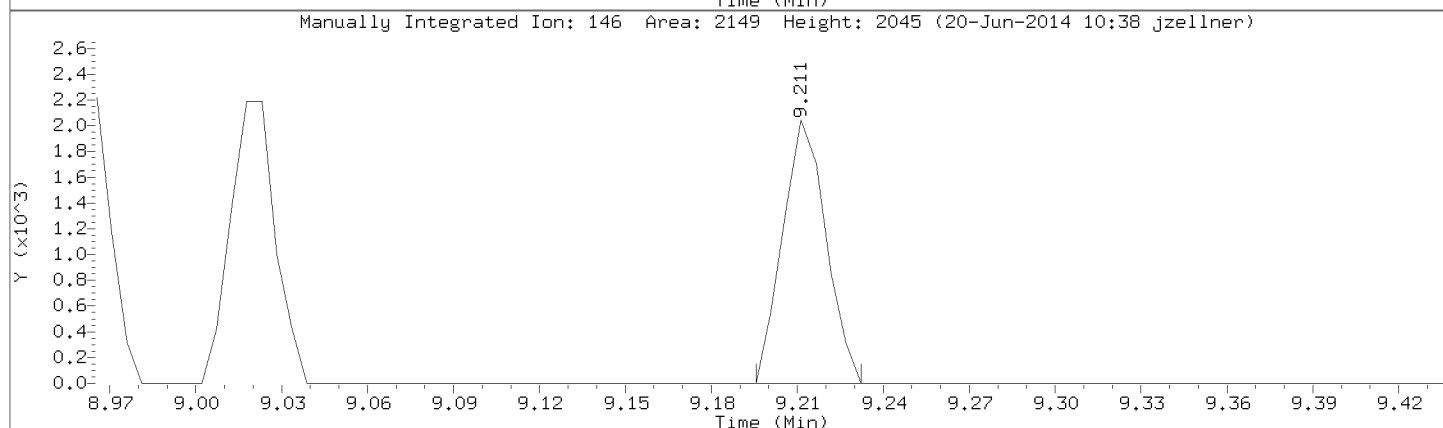
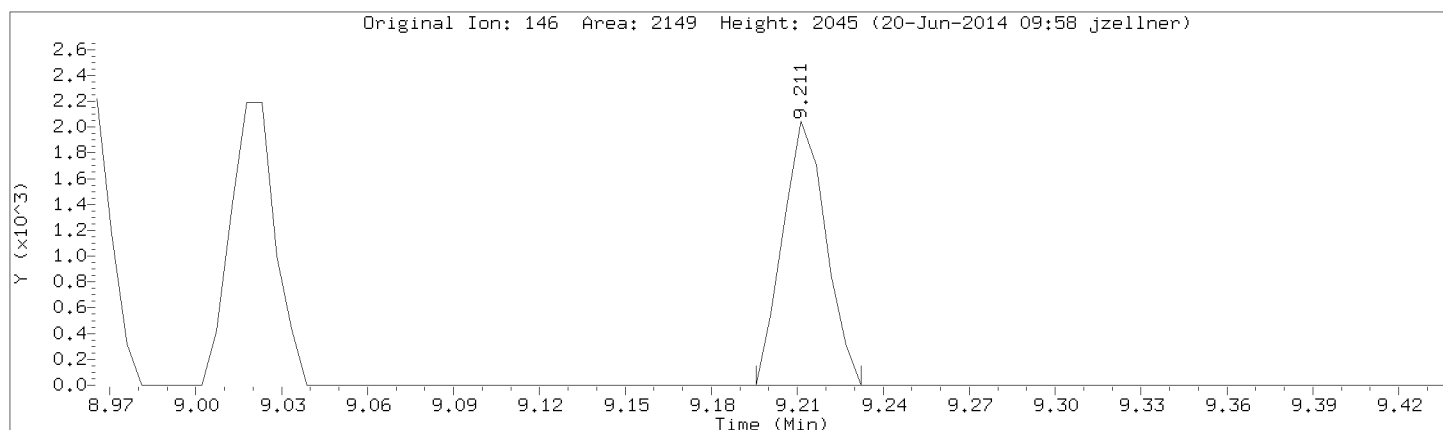


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Injection Date: 19-JUN-2014 15:18
Instrument: 50mv3a.i
Lab Sample ID: 8260-CAL2,71098:0

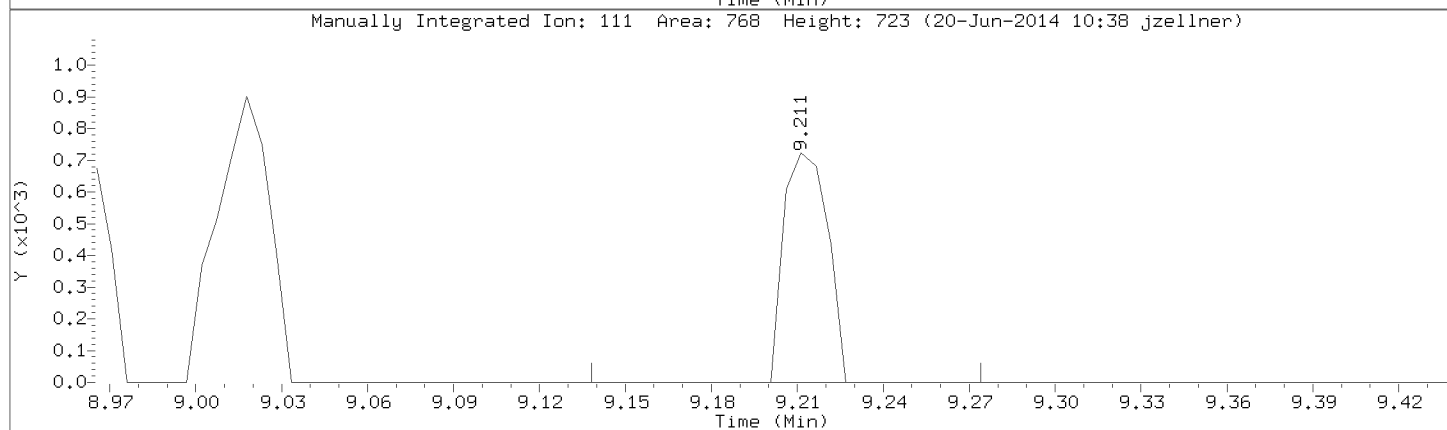
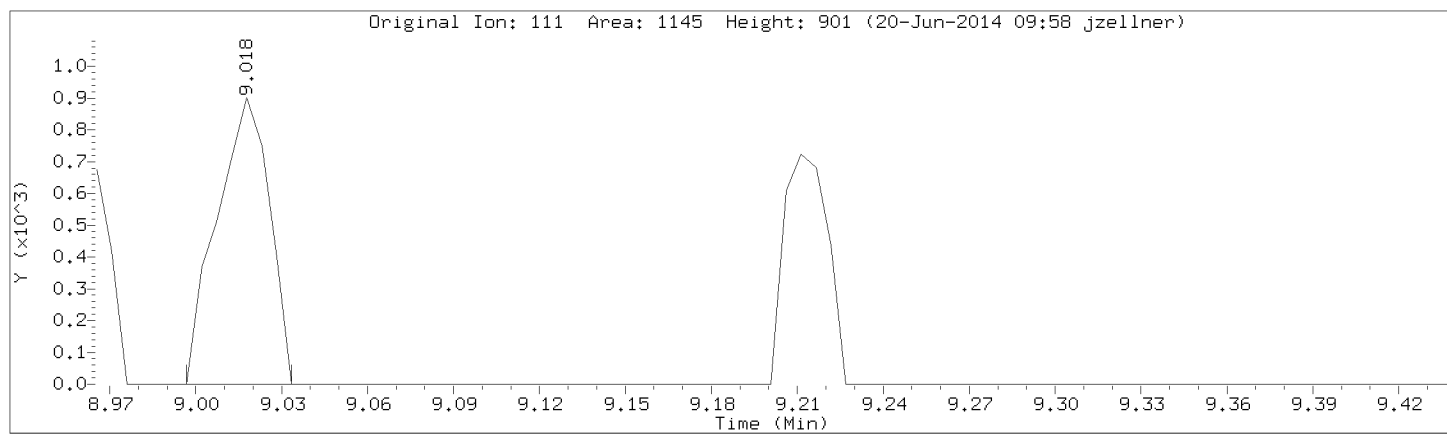


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Injection Date: 19-JUN-2014 15:18
Instrument: 50mv3a.i
Lab Sample ID: 8260-CAL2,71098:0

Compound: 1,2-Dichlorobenzene
CAS Number: 95-50-1



Data File: \\192.168.50.6\chem\50mv3a.i\a061914cal.b/a02cal.d
Injection Date: 19-JUN-2014 15:18
Instrument: 50mv3a.i
Lab Sample ID: 8260-CAL2,71098:0



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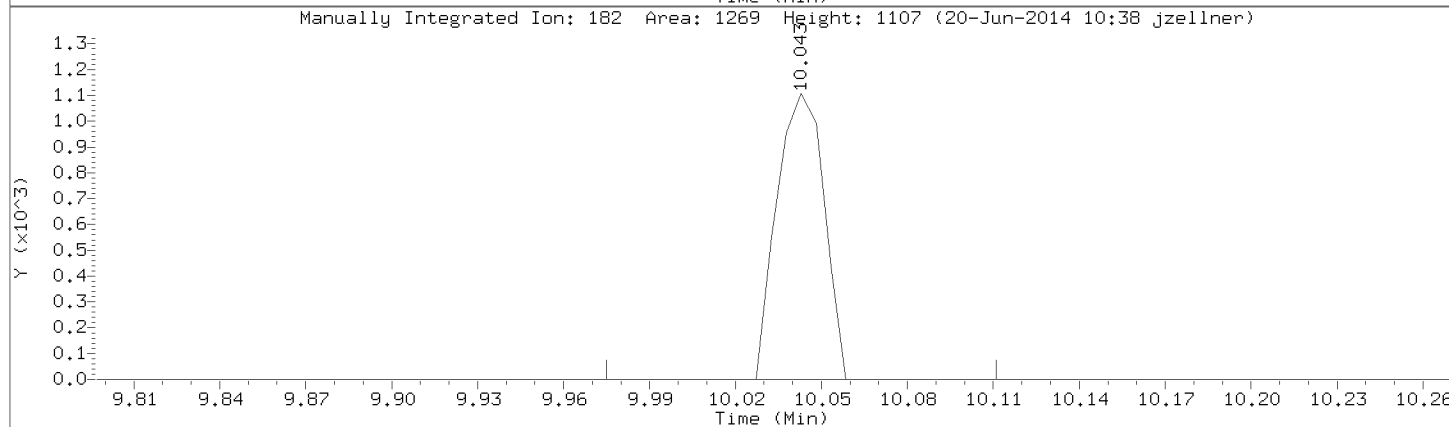
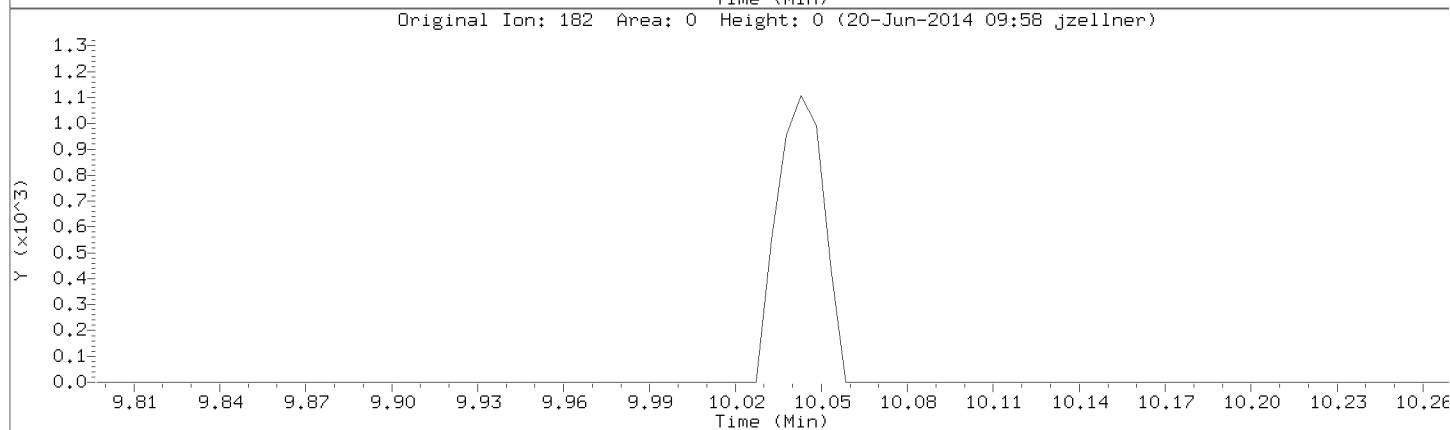
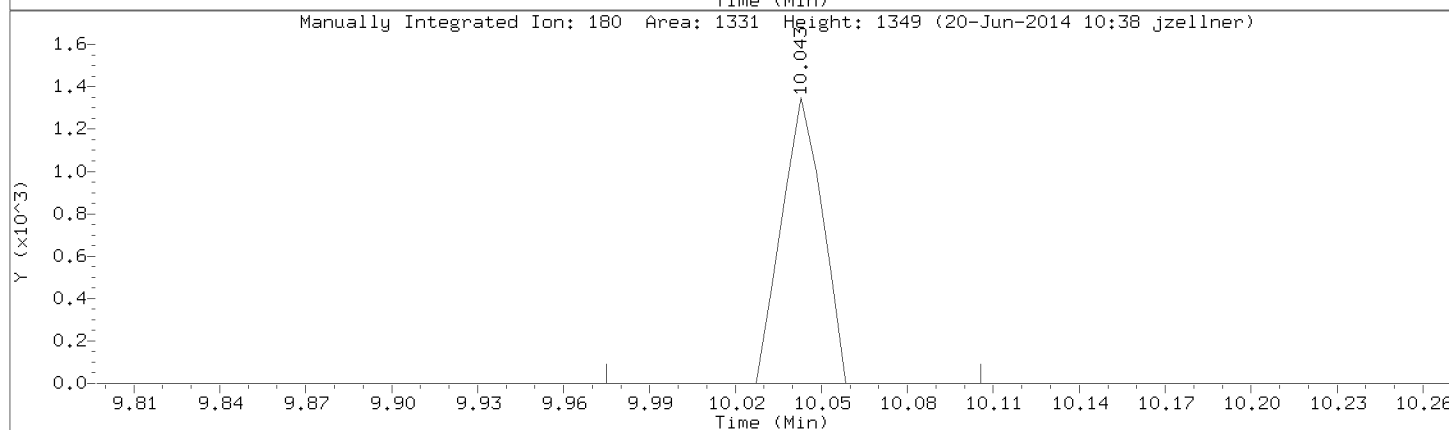
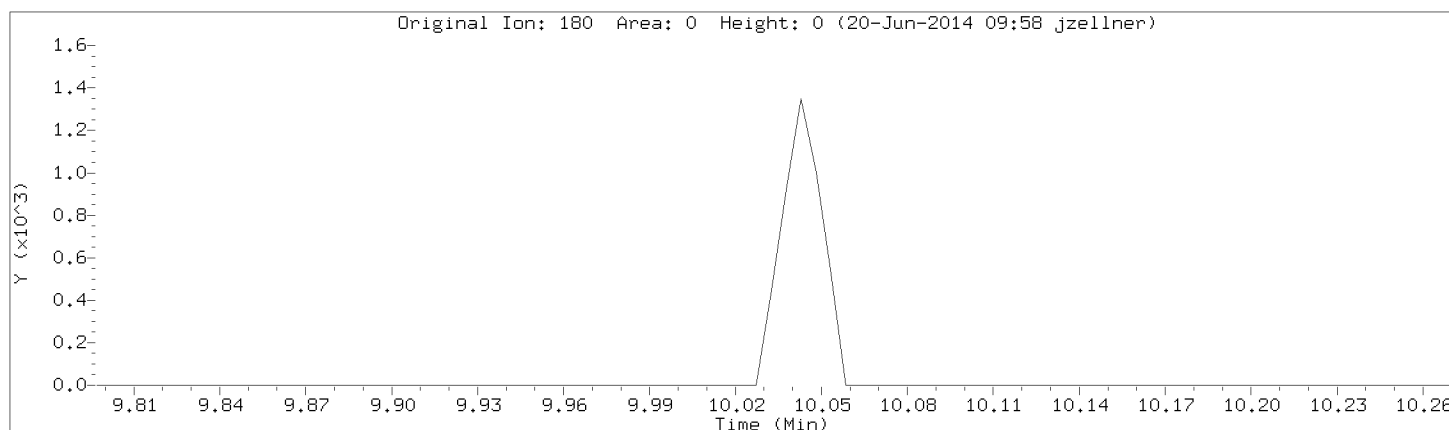
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Instrument: 50mv3a.i

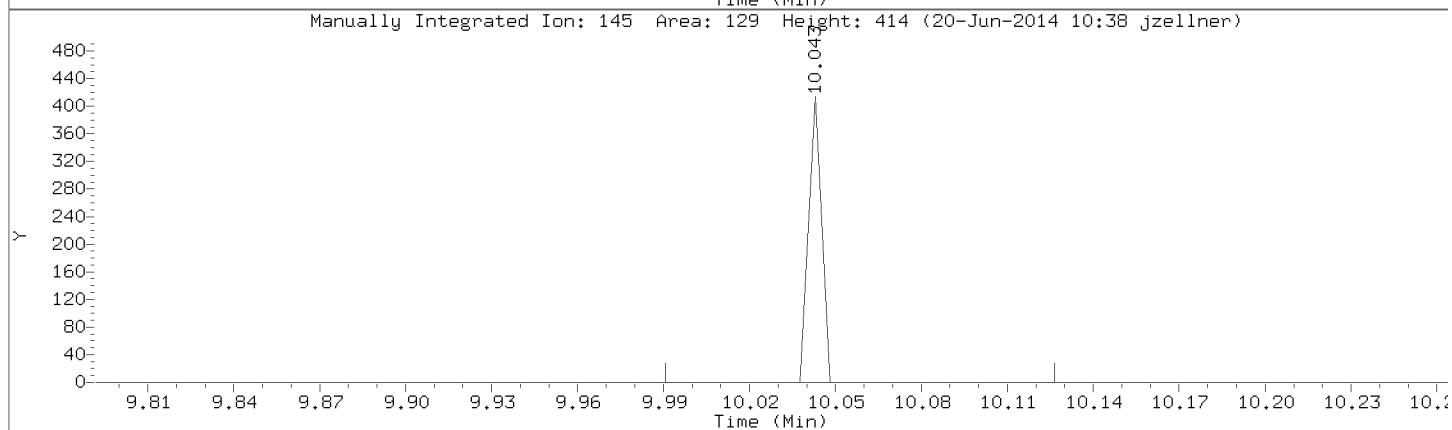
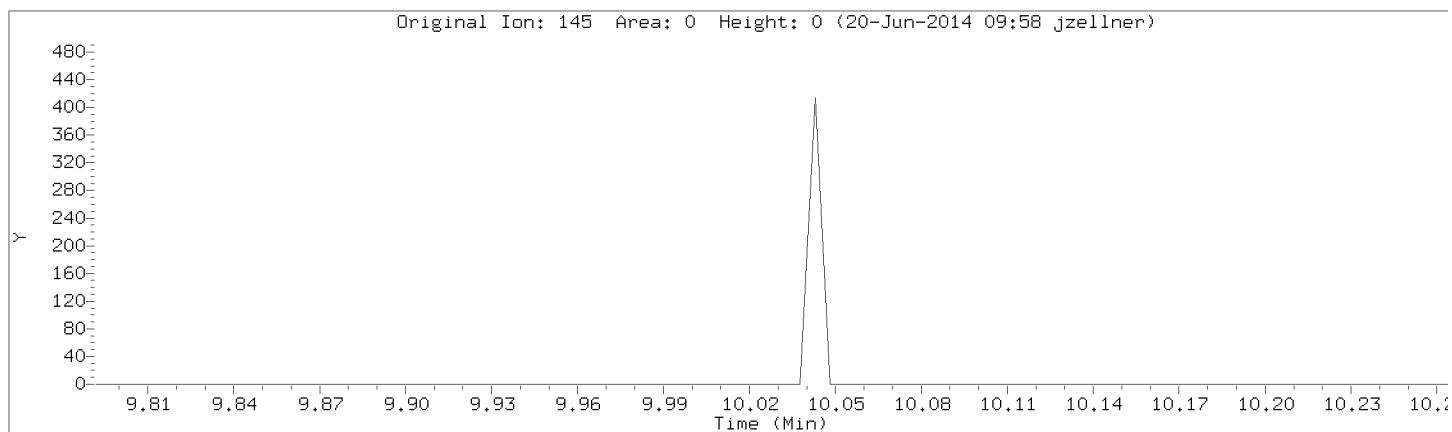
Lab Sample ID: 8260-CAL2,71098:0

Compound: 1,2,4-Trichlorobenzene

CAS Number: 120-82-1

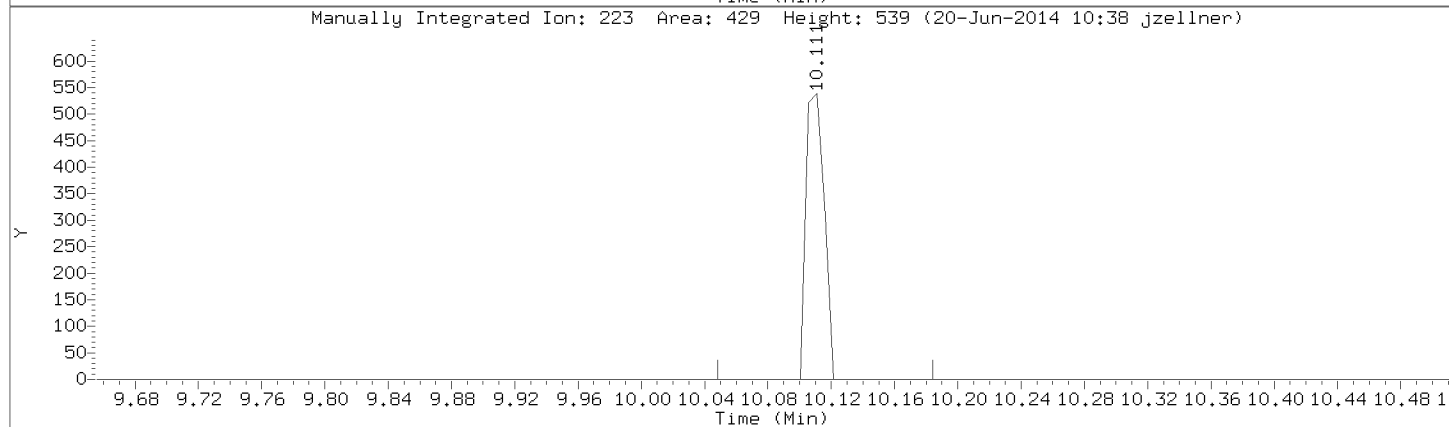
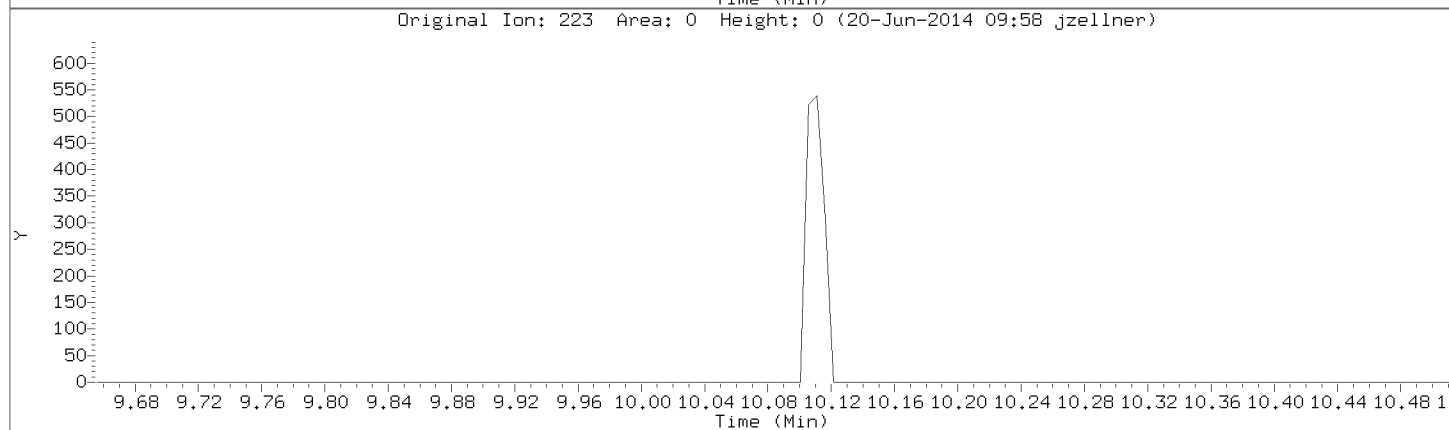
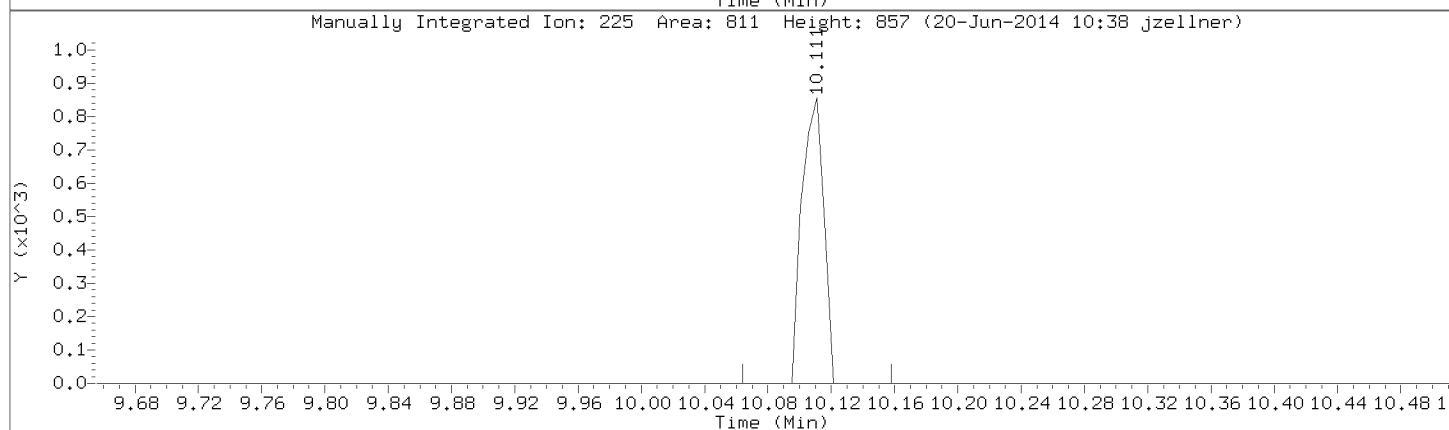
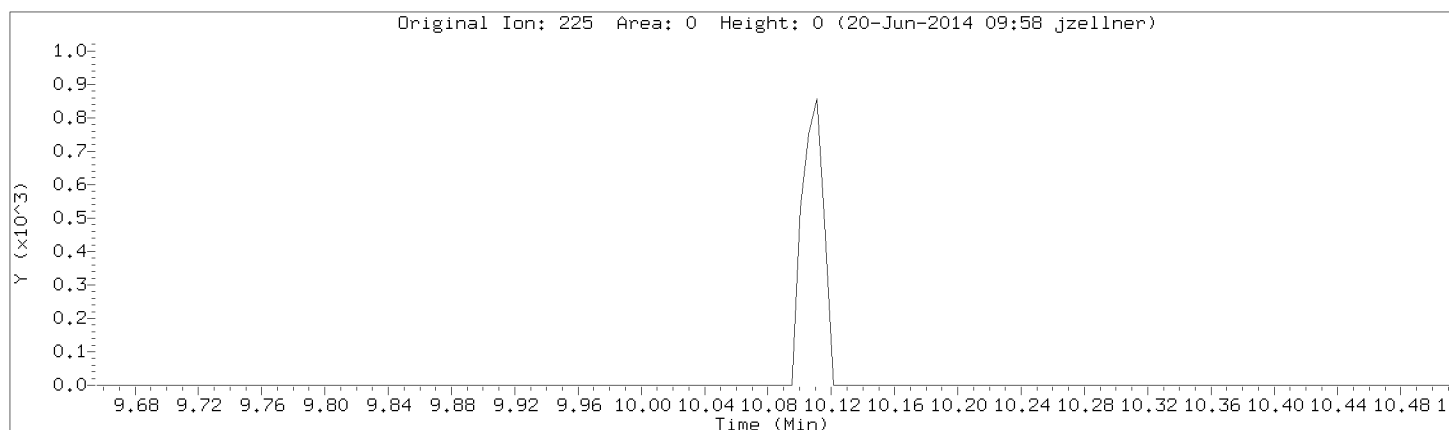


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Injection Date: 19-JUN-2014 15:18
Instrument: 50mv3a.i
Lab Sample ID: 8260-CAL2,71098:0

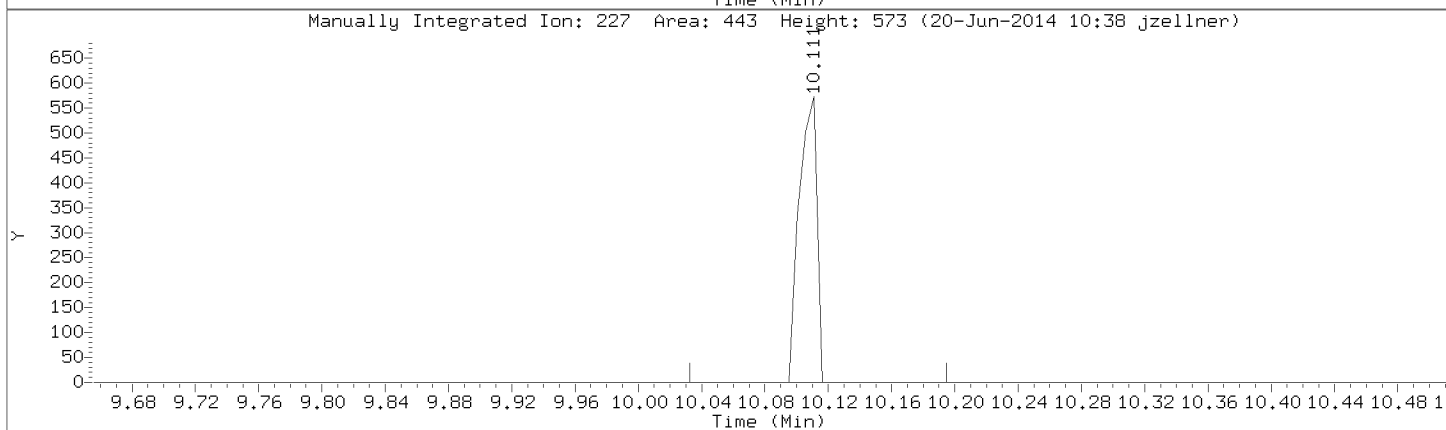
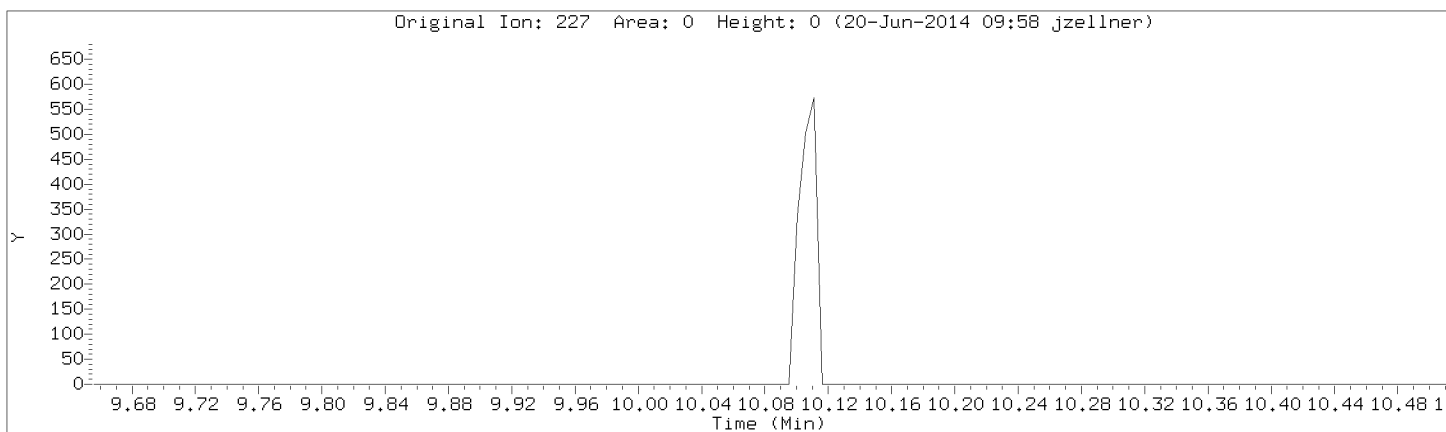


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Injection Date: 19-JUN-2014 15:18
Instrument: 50mv3a.i
Lab Sample ID: 8260-CAL2,71098:0

Compound: Hexachlorobutadiene
CAS Number: 87-68-3

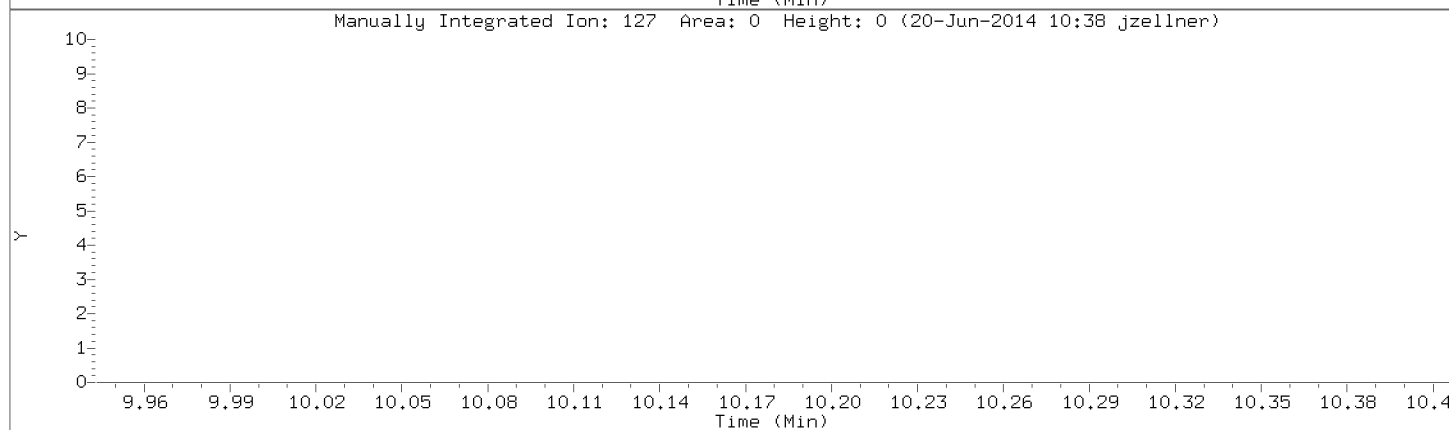
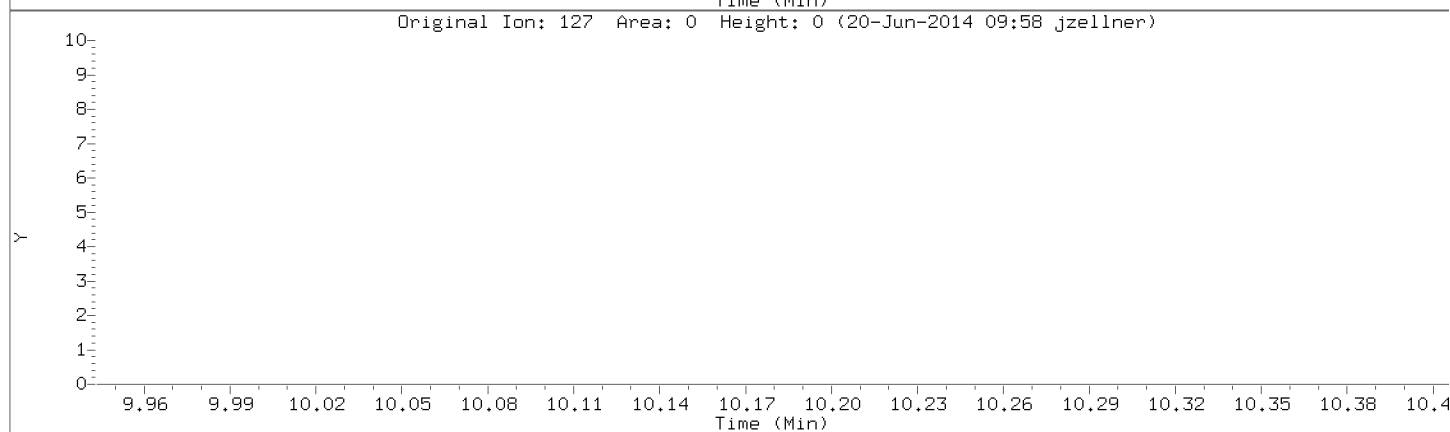
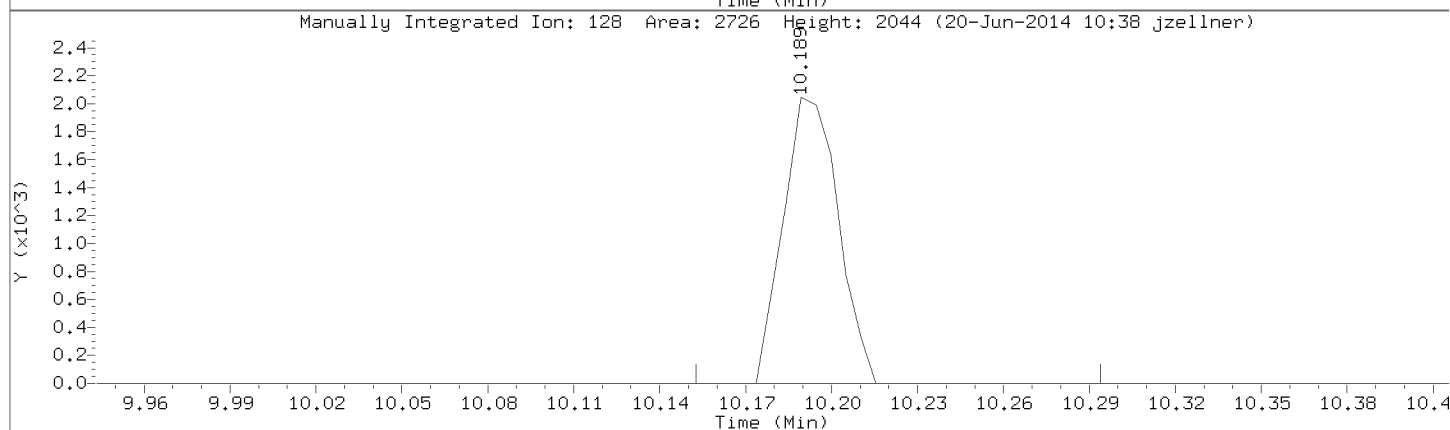
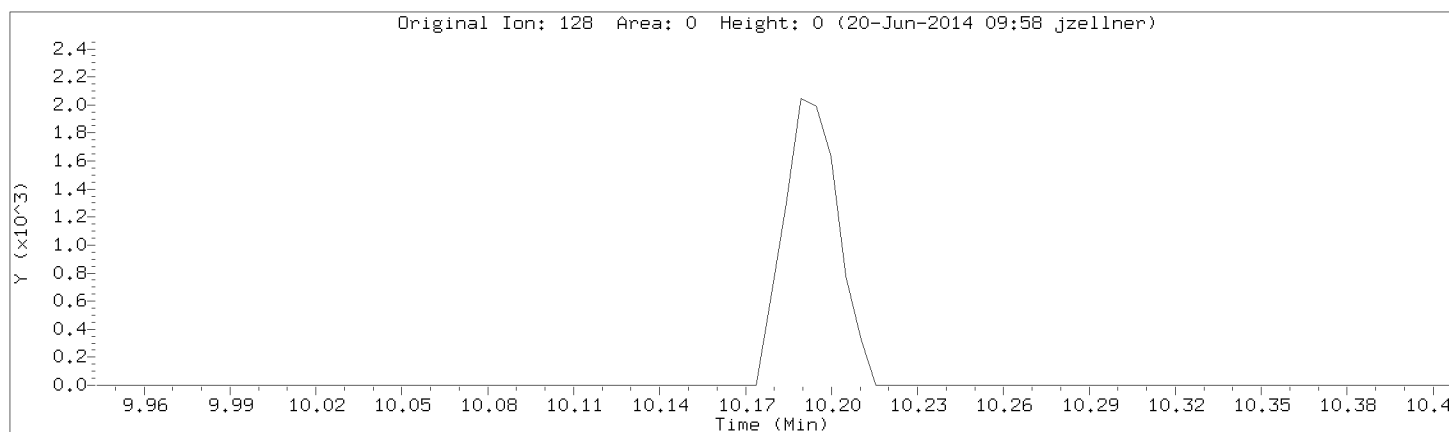


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Injection Date: 19-JUN-2014 15:18
Instrument: 50mv3a.i
Lab Sample ID: 8260-CAL2,71098:0



Data File: \\192.168.50.6\chem\50mv3a.i\a061914cal.b/a02cal.d
Injection Date: 19-JUN-2014 15:18
Instrument: 50mv3a.i
Lab Sample ID: 8260-CAL2,71098:0

Compound: Naphthalene
CAS Number: 91-20-3



Data File: \\192.168.50.6\chem\50mv3a.i\a061914cal.b/a02cal.d

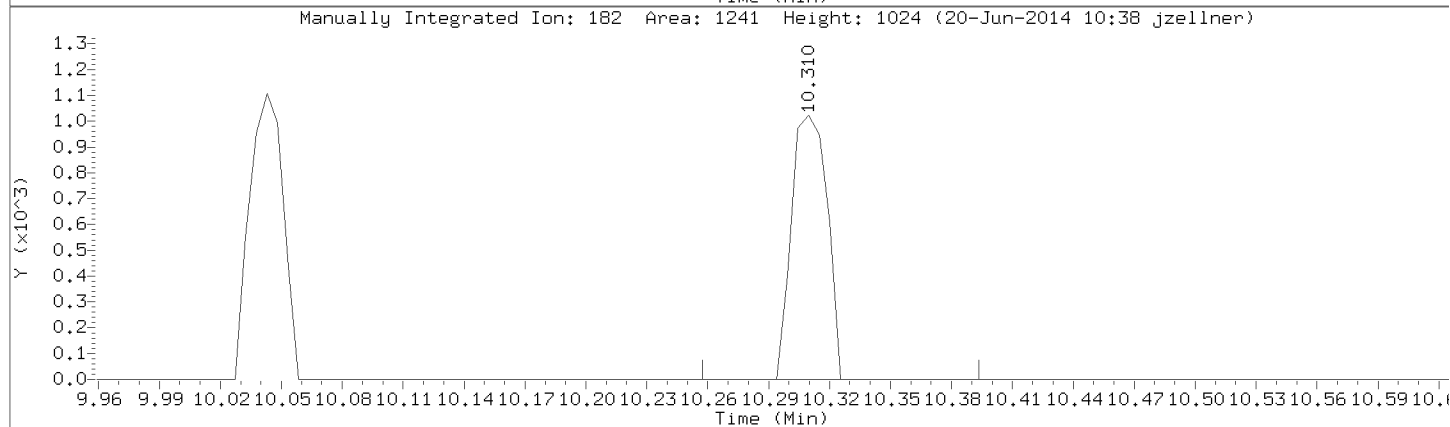
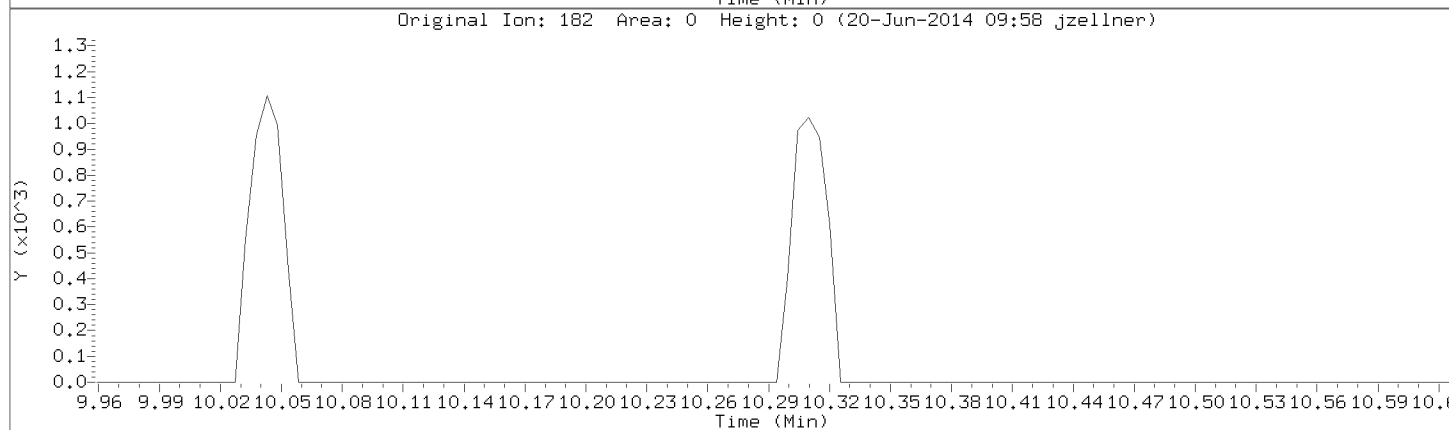
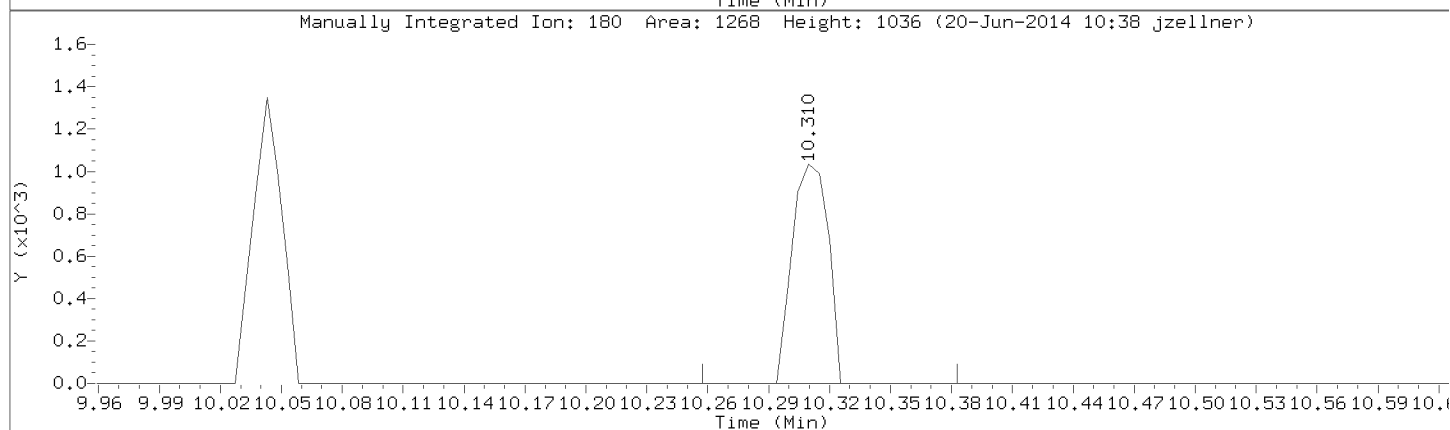
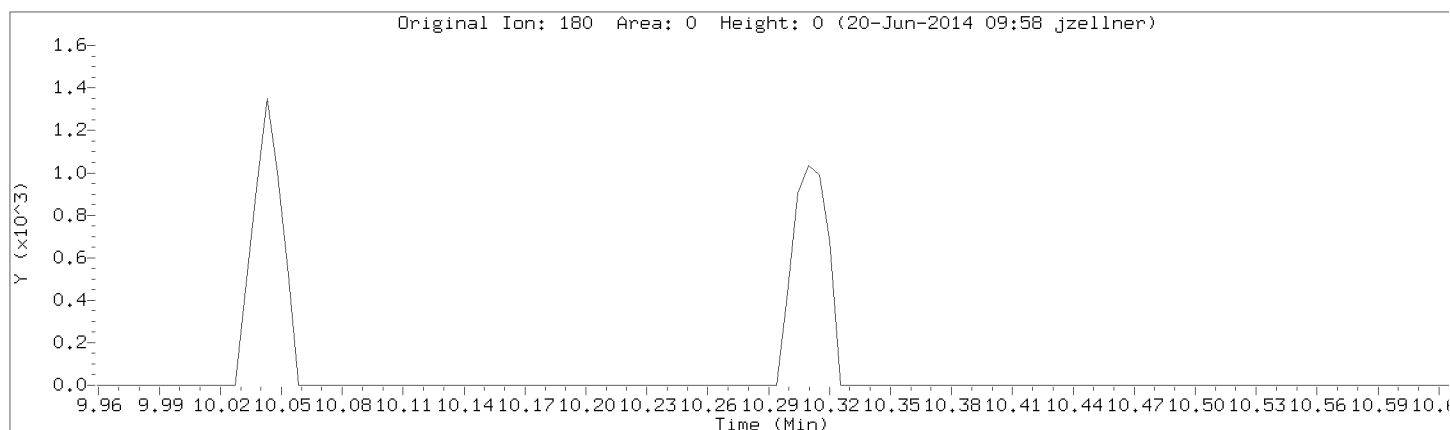
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Instrument: 50mv3a.i

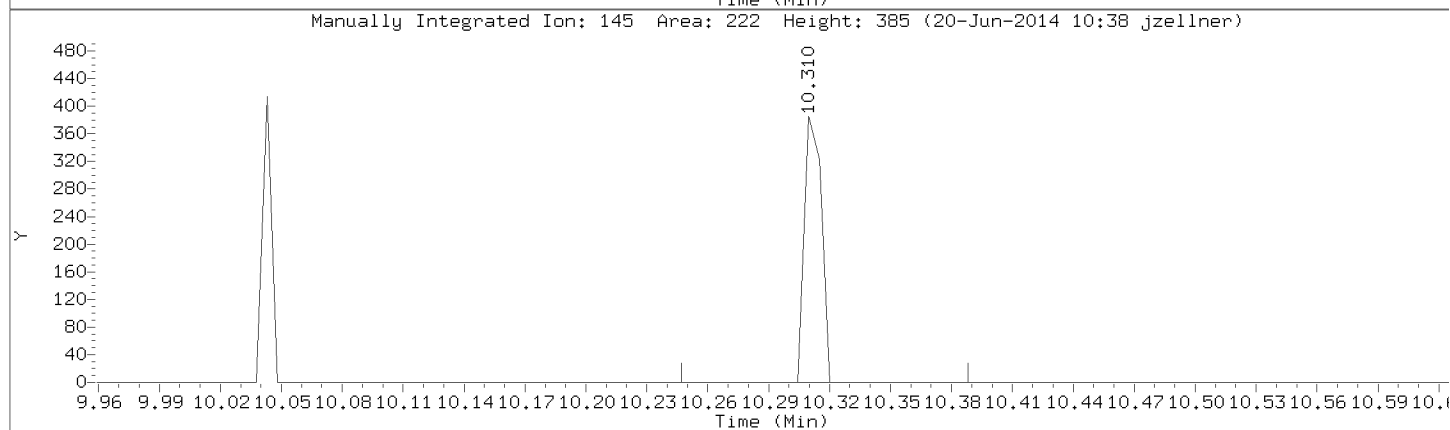
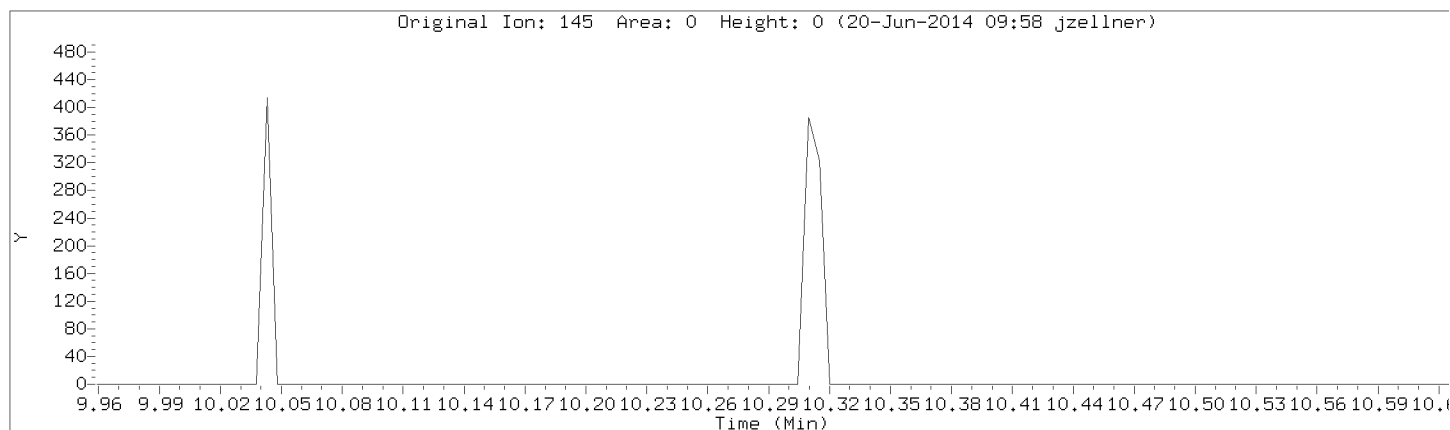
Lab Sample ID: 8260-CAL2,71098:0

Compound: 1,2,3-Trichlorobenzene

CAS Number: 87-61-6

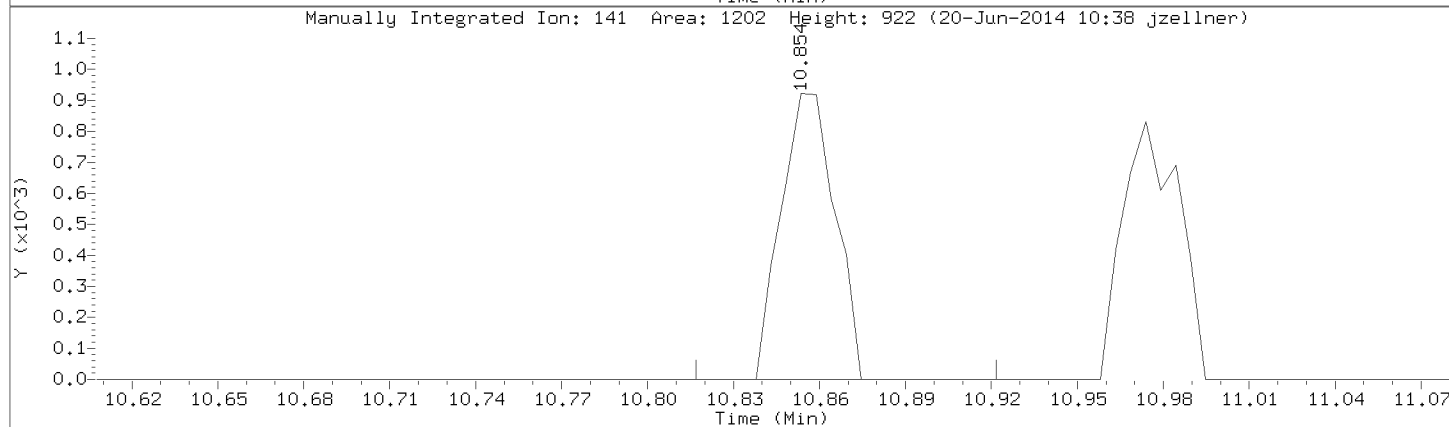
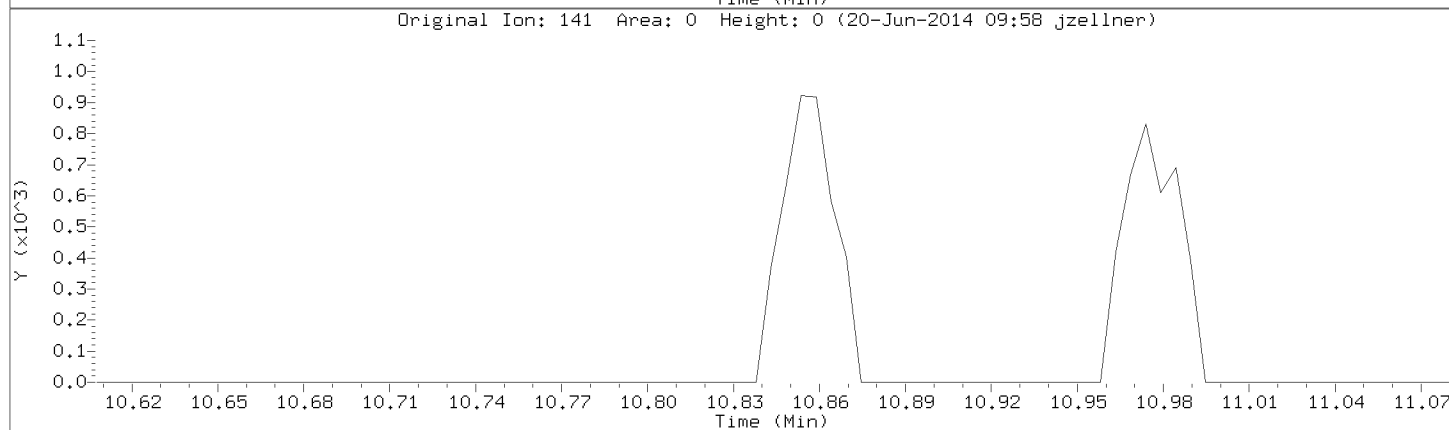
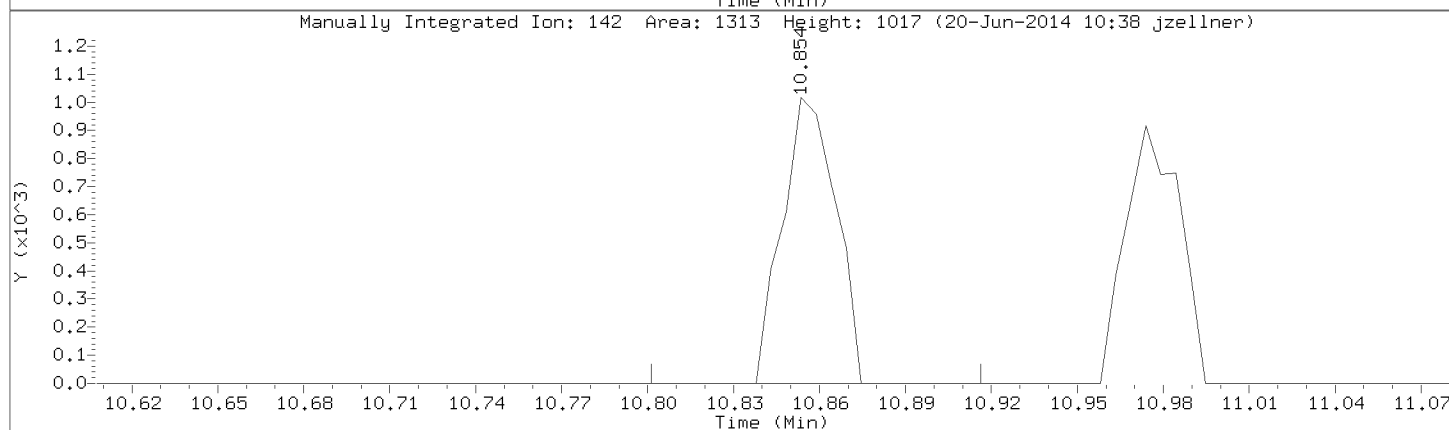
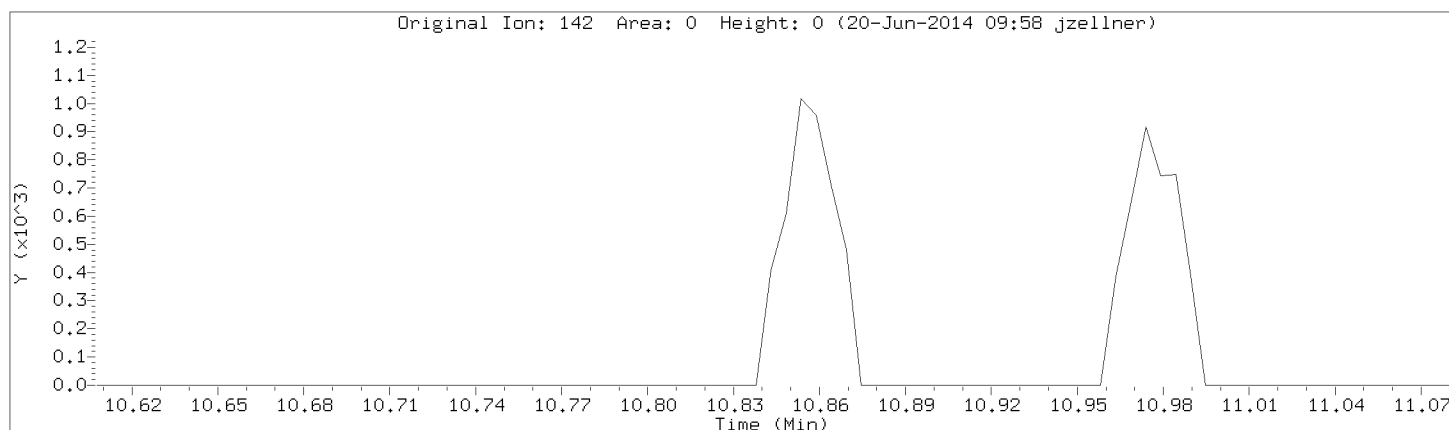


Data File: \\192.168.50.6\chem\50mv3a.i\a061914cal.b/a02cal.d
Injection Date: 19-JUN-2014 15:18
Instrument: 50mv3a.i
Lab Sample ID: 8260-CAL2,71098:0

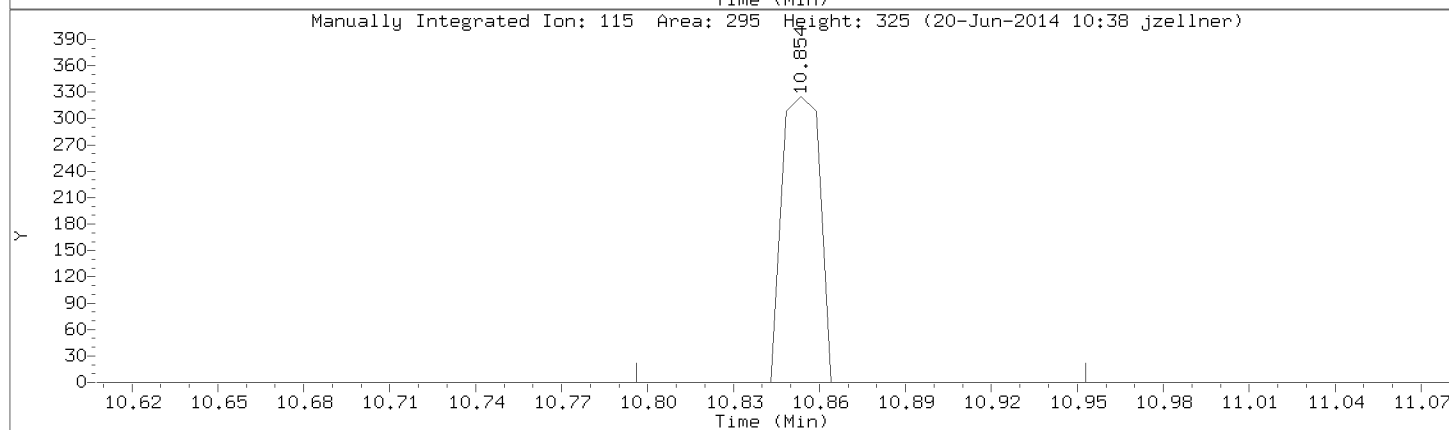
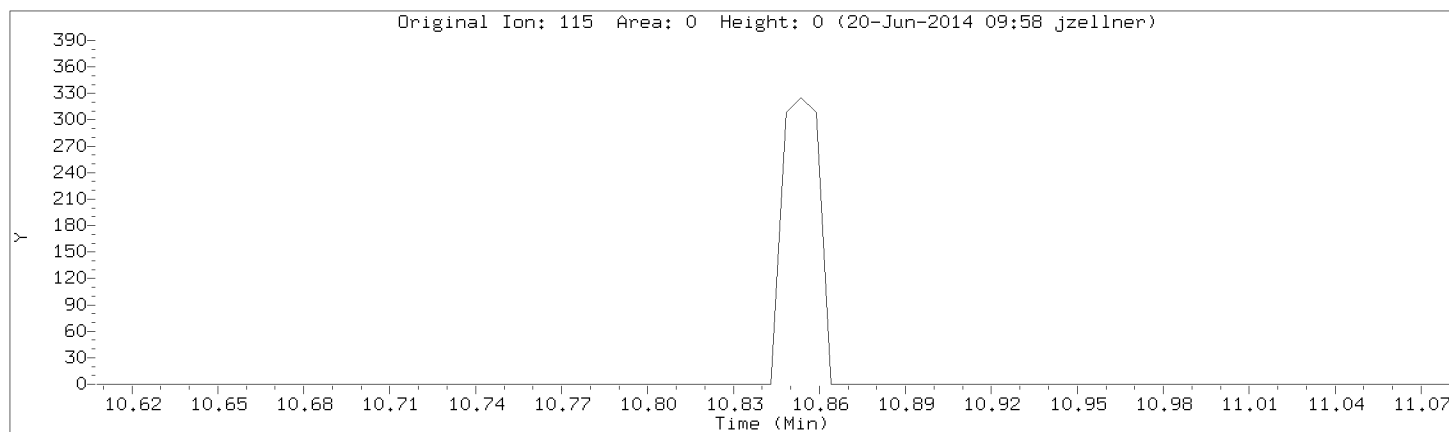


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Injection Date: 19-JUN-2014 15:18
Instrument: 50mv3a.i
Lab Sample ID: 8260-CAL2,71098:0

Compound: 2,methyl-naphthalene
CAS Number:

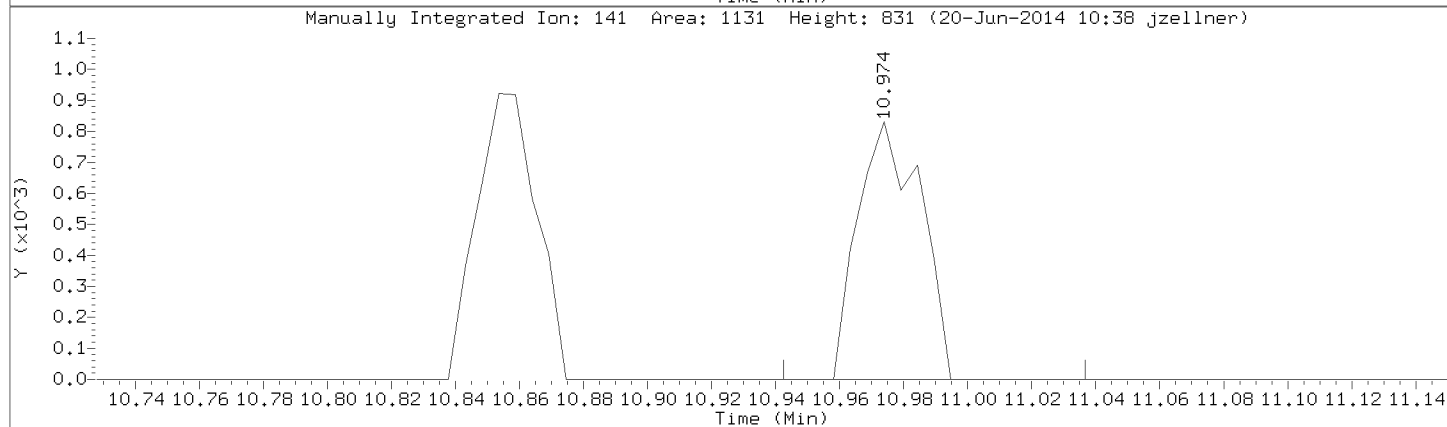
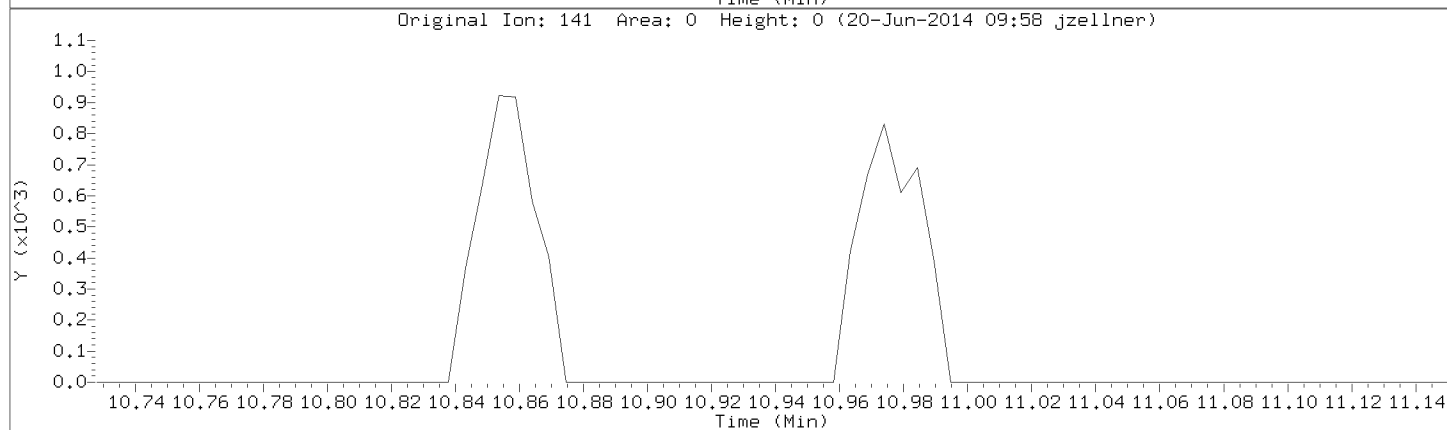
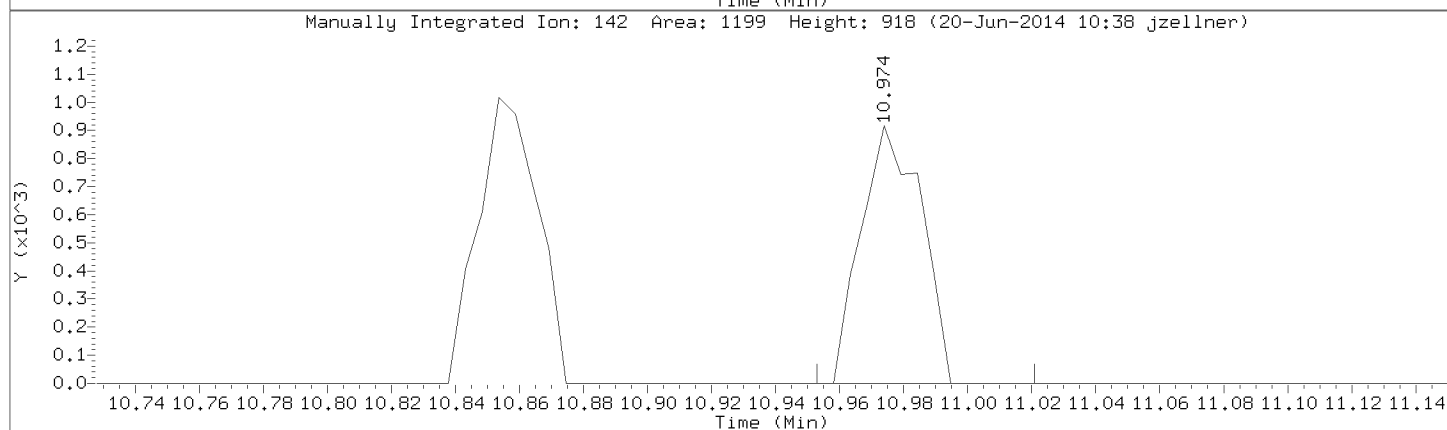
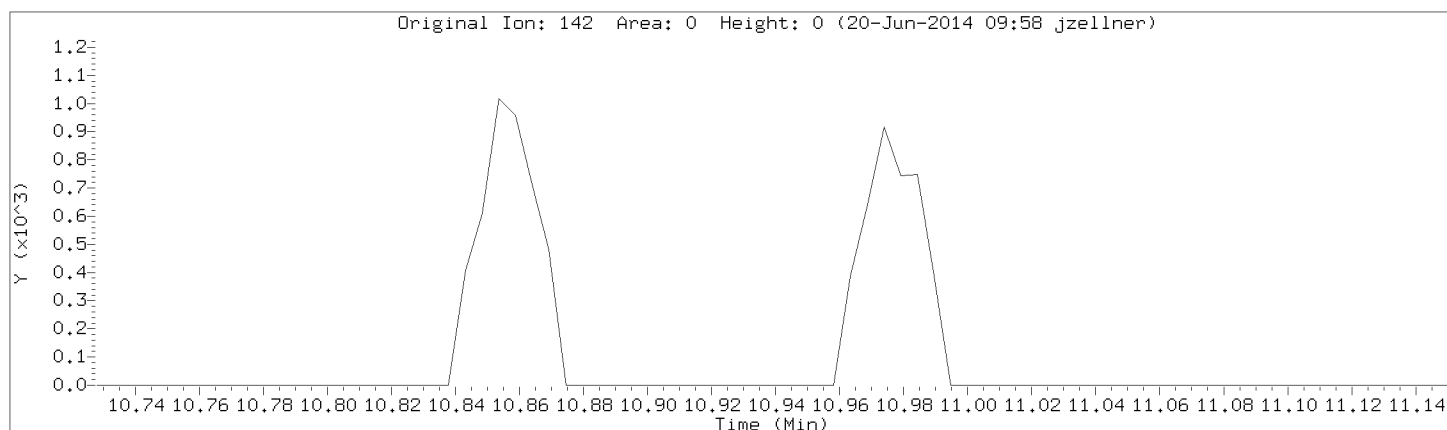


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Lab Sample ID: 8260-CAL2,71098:0

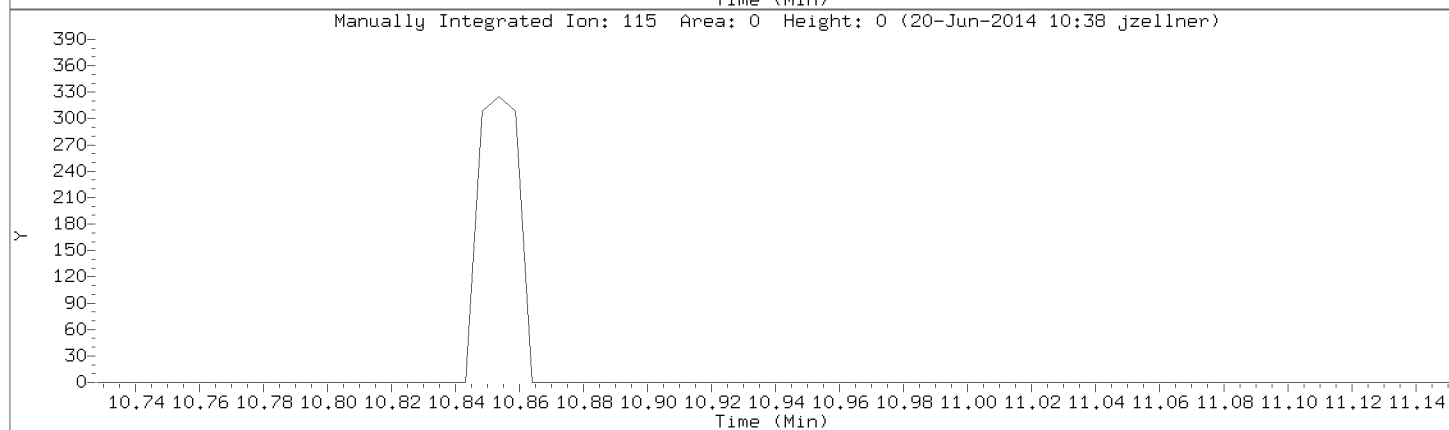
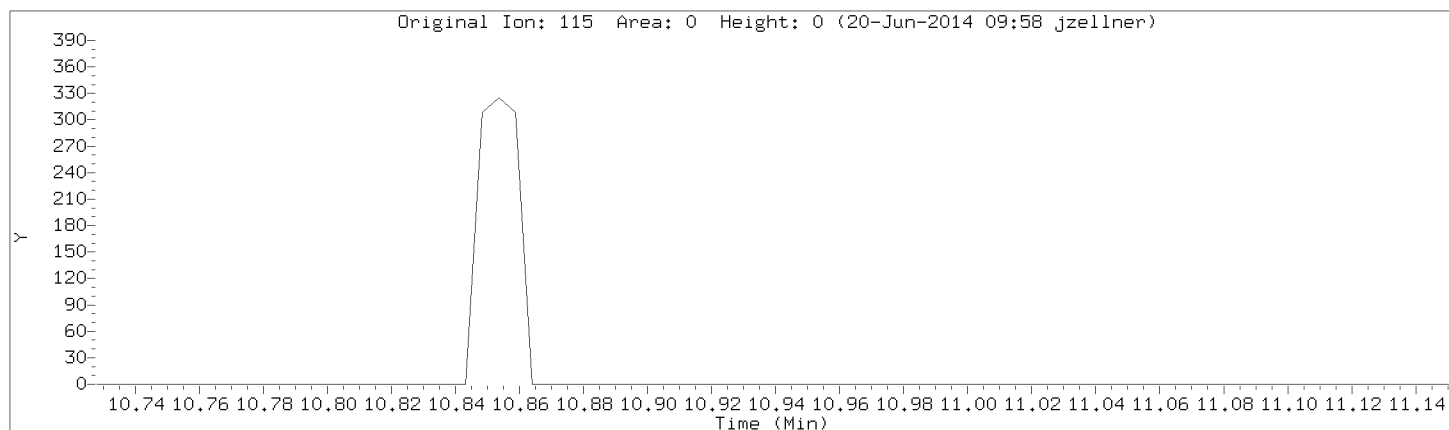


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Injection Date: 19-JUN-2014 15:18
Instrument: 50mv3a.i
Lab Sample ID: 8260-CAL2,71098:0

Compound: 1-Methylnaphthalene
CAS Number: 90-12-0



Data File: \\192.168.50.6\chem\50mv3a.i\a061914cal.b/a02cal.d
Injection Date: 19-JUN-2014 15:18
Instrument: 50mv3a.i
Lab Sample ID: 8260-CAL2,71098:0



Pace Analytical Services, Inc.

Data file : \\192.168.50.6\chem\50mv3a.i\a061914cal.b\a03cal.d
 Lab Smp Id: 8260-CAL3,71099:0 Client Smp ID: 8260-CAL3,71099:0
 Inj Date : 19-JUN-2014 15:51
 Operator : jlz Inst ID: 50mv3a.i
 Smp Info : 8260-cal3,71099:0
 Misc Info : 65925
 Comment :
 Method : \\192.168.50.6\chem\50mv3a.i\a061914cal.b\ -a8260_a_c.m
 Meth Date : 20-Jun-2014 13:40 50mv3a.i Quant Type: ISTD
 Cal Date : 19-JUN-2014 15:51 Cal File: a03cal.d
 Als bottle: 7 Calibration Sample, Level: 3
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: all.sub
 Target Version: 4.14

Concentration Formula: Amt * DF * Uf/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT	SIG	AMOUNTS					REVIEW	C
			MASS	RT	EXP RT	REL RT	RESPONSE		
1 Dichlorodifluoromethane	85		1.026	1.028	(0.231)	2708	5.00000	4.70 (M)	NI
2 Chloromethane	50		1.120	1.122	(0.252)	2335	5.00000	4.76 (M)	NI
3 Vinyl Chloride	62		1.136	1.138	(0.255)	2151	5.00000	5.78	
4 Bromomethane	94		1.292	1.289	(0.290)	109	5.00000	11.4 (M)	NI
5 Chloroethane	64		1.350	1.342	(0.303)	1129	5.00000	4.07 (M)	NI
6 Trichlorofluoromethane	101		1.465	1.467	(0.329)	3872	5.00000	5.04	
7 Diethyl ether	74		1.596	1.596	(0.359)	908	5.00000	4.71 (M)	NI
8 1,2-dichlorotrifluoroethane	67		1.617	1.617	(0.363)	2834	5.00000	5.09 (M)	NI
9 Acrolein	56		1.674	1.676	(0.376)	2740	100.000	96.9	
10 1,1,2trichlorotrifluoroethane	101		1.732	1.732	(0.389)	2149	5.00000	4.58	
11 1,1-Dichloroethene	96		1.737	1.739	(0.390)	1905	5.00000	4.69 (M)	NI
12 Acetone	43		1.747	1.750	(0.393)	1905	25.00000	29.3 (M)	NI
13 Iodomethane	142		1.836	1.833	(0.413)	118	10.00000	16.7 (QM)	NI
14 Carbon Disulfide	76		1.883	1.886	(0.423)	12128	10.00000	10.2 (M)	NI
15 Methyl Acetate	43		1.930	1.933	(0.434)	752	5.00000	4.49 (M)	NI
16 allyl chloride	41		1.946	1.947	(0.437)	6534	10.00000	10.2	
17 Methylene Chloride	84		2.030	2.032	(0.456)	7070	5.00000	7.70	
19 Acrylonitrile	53		2.176	2.173	(0.489)	7588	100.000	93.9	
20 Methyl-tert-butyl ether	73		2.208	2.205	(0.496)	8491	10.00000	9.03	
21 1,2-Dichloroethene (trans)	96		2.218	2.215	(0.498)	1979	5.00000	4.22	
22 n-Hexane	57		2.417	2.414	(0.543)	3809	5.00000	4.72 (M)	NI
23 Vinyl Acetate	43		2.537	2.534	(0.570)	7937	20.00000	35.7 (M)	NI
24 1,1-Dichloroethane	63		2.548	2.545	(0.572)	3867	5.00000	4.82 (M)	NI

Compounds	QUANT	SIG						AMOUNTS		REVIEW C
			MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/L)	ON-COL (ug/L)	
25 2-Butanone	43		3.045	3.041	(0.684)	2157	25.0000	20.3 (M)	NI	
26 1,2-Dichloroethene (cis)	96		3.060	3.057	(0.688)	2132	5.00000	4.47		
27 2,2-Dichloropropane	77		3.065	3.068	(0.689)	1844	5.00000	10.2 (M)	NI	
29 Bromochloromethane	49		3.322	3.313	(0.746)	1142	5.00000	4.72 (M)	NI	
31 Chloroform	83		3.432	3.428	(0.771)	3676	5.00000	4.71		
\$ 32 Dibromofluoromethane (S)	113		3.620	3.617	(0.813)	17305	50.0000	50.0		
33 1,1,1-Trichloroethane	97		3.620	3.622	(0.813)	3025	5.00000	4.37		
34 Cyclohexane	56		3.709	3.711	(0.833)	3544	5.00000	4.39		
35 Carbon Tetrachloride	117		3.813	3.815	(0.857)	1464	5.00000	8.50 (QM)	NI	
36 1,1-Dichloropropene	75		3.824	3.826	(0.859)	3152	5.00000	4.56 (M)	NI	
37 Benzene	78		4.075	4.067	(0.915)	8601	5.00000	4.99		
38 1,2-Dichloroethane	62		4.153	4.150	(0.933)	2348	5.00000	4.76 (M)	NI	
39 Isobutyl alcohol	43		4.237	4.237	(0.952)	1504	5.00000	4.06 (M)	NI	
40 2,2,4-Trimethylpentane	57		4.237	4.239	(0.952)	8913	5.00000	4.54		
* 41 Fluorobenzene (IS)	96		4.451	4.448	(1.000)	74431	50.0000			
42 Trichloroethene	95		4.886	4.882	(1.097)	2132	5.00000	4.52		
43 Methylcyclohexane	55		5.152	5.149	(1.157)	3025	5.00000	4.42 (M)	NI	
44 1,2-Dichloropropane	63		5.189	5.181	(1.166)	1681	5.00000	4.24 (M)	NI	
45 Dibromomethane	93		5.278	5.280	(1.186)	700	5.00000	4.02 (M)	NI	
47 Methyl methacrylate	69		5.293	5.290	(1.189)	453	5.00000	7.05 (QM)	NI	
48 Bromodichloromethane	83		5.497	5.494	(1.235)	2079	5.00000	4.14 (M)	NI	
49 2-Chloroethyl vinyl ether	63		5.843	5.834	(0.777)	775	10.0000	7.50 (QM)	NI	
50 cis-1,3-Dichloropropene	75		5.989	5.981	(0.796)	2123	5.00000	6.91 (M)	NI	
51 4-Methyl-2-Pentanone	43		6.156	6.153	(0.819)	5326	25.0000	21.8 (M)	NI	
\$ 52 Toluene-d8 (S)	98		6.261	6.258	(0.832)	70579	50.0000	49.3		
53 Toluene	91		6.334	6.331	(0.842)	10066	5.00000	4.91		
54 trans-1,3-Dichloropropene	75		6.596	6.593	(0.877)	1204	5.00000	8.51 (QM)	NI	
55 Ethyl Methacrylate	69		6.669	6.666	(0.887)	1038	5.00000	6.49 (M)	NI	
56 1,1,2-Trichloroethane	83		6.768	6.765	(0.900)	1030	5.00000	4.49 (M)	NI	
57 Tetrachloroethene	166		6.821	6.823	(0.907)	2665	5.00000	4.55		
58 1,3-Dichloropropane	76		6.904	6.901	(0.918)	2552	5.00000	4.92 (M)	NI	
59 2-Hexanone	43		6.967	6.964	(0.926)	3470	25.0000	20.7 (M)	NI	
60 Dibromochloromethane	129		7.082	7.079	(0.942)	1218	5.00000	6.49		
61 1,2-Dibromoethane	107		7.166	7.163	(0.953)	956	5.00000	3.91 (M)	NI	
* 62 Chlorobenzene-D5 (IS)	117		7.521	7.524	(1.000)	53935	50.0000			
63 Chlorobenzene	112		7.548	7.545	(1.003)	6280	5.00000	4.88		
64 1,1,1,2-Tetrachloroethane	131		7.621	7.618	(1.013)	1530	5.00000	3.99 (Q)		
65 Ethylbenzene	106		7.626	7.623	(1.014)	3768	5.00000	4.91 (H)	WP	
66 m&p-Xylene	106		7.720	7.717	(1.026)	8971	10.0000	9.59		
67 o-Xylene	106		7.982	7.979	(1.061)	4347	5.00000	4.97		
68 Styrene	104		7.997	7.994	(1.063)	6867	5.00000	4.76		
69 Bromoform	173		8.118	8.115	(0.901)	624	5.00000	9.44 (QM)	NI	
70 Isopropylbenzene	105		8.222	8.219	(1.093)	11896	5.00000	4.85		
\$ 71 4-Bromofluorobenzene (S)	95		8.332	8.329	(1.108)	24495	50.0000	48.7		
72 Bromobenzene	77		8.411	8.413	(1.118)	4003	5.00000	4.80		
73 1,1,2,2-Tetrachloroethane	83		8.421	8.418	(0.935)	1562	5.00000	4.71 (M)	NI	
74 trans-1,4-Dichloro-2-butene	53		8.437	8.439	(1.122)	101	5.00000	8.22 (QM)	NI	
75 1,2,3-Trichloropropane	110		8.452	8.449	(0.938)	308	5.00000	4.60 (QM)	NI	
76 n-Propylbenzene	91		8.479	8.476	(0.941)	13740	5.00000	4.72		
77 2-Chlorotoluene	91		8.531	8.528	(0.947)	8098	5.00000	4.97		
78 1,3,5-Trimethylbenzene	105		8.583	8.585	(0.953)	10050	5.00000	4.69		
79 4-Chlorotoluene	126		8.531	8.601	(0.947)	2681	5.00000	4.74 (Q)		
80 tert-Butylbenzene	119		8.766	8.763	(0.973)	11034	5.00000	4.79		
81 1,2,4-Trimethylbenzene	105		8.803	8.800	(0.977)	10262	5.00000	4.80		

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS		REVIEW C
						CAL-AMT (ug/L)	ON-COL (ug/L)	
82 sec-Butylbenzene	105	8.892	8.889 (0.987)		13779	5.00000	4.82	
83 1,3-Dichlorobenzene	146	8.965	8.962 (0.995)		5827	5.00000	5.00	
84 p-Isopropyltoluene	119	8.975	8.972 (0.997)		11996	5.00000	4.83	
* 85 1,4-Dichlorobenzene-d4 (IS)	152	9.007	9.004 (1.000)		29485	50.00000		
86 1,4-Dichlorobenzene	146	9.023	9.019 (1.002)		5905	5.00000	5.07	
87 n-Butylbenzene	91	9.195	9.192 (1.021)		10839	5.00000	4.85	
88 1,2-Dichlorobenzene	146	9.216	9.213 (1.023)		5034	5.00000	4.89	
90 1,2,4-Trichlorobenzene	180	10.042	10.045 (1.115)		3846	5.00000	5.18 (M)	NI
91 Hexachlorobutadiene	225	10.110	10.107 (1.123)		2131	5.00000	4.54	
92 Naphthalene	128	10.194	10.191 (1.132)		6307	5.00000	4.92	
93 1,2,3-Trichlorobenzene	180	10.314	10.311 (1.145)		3421	5.00000	5.13 (M)	NI
94 2,methyl-naphthalene	142	10.853	10.855 (1.205)		3841	5.00000	4.78 (M)	NI
95 1-Methylnaphthalene	142	10.979	10.976 (1.219)		3095	5.00000	4.50 (M)	NI

QC Flag Legend

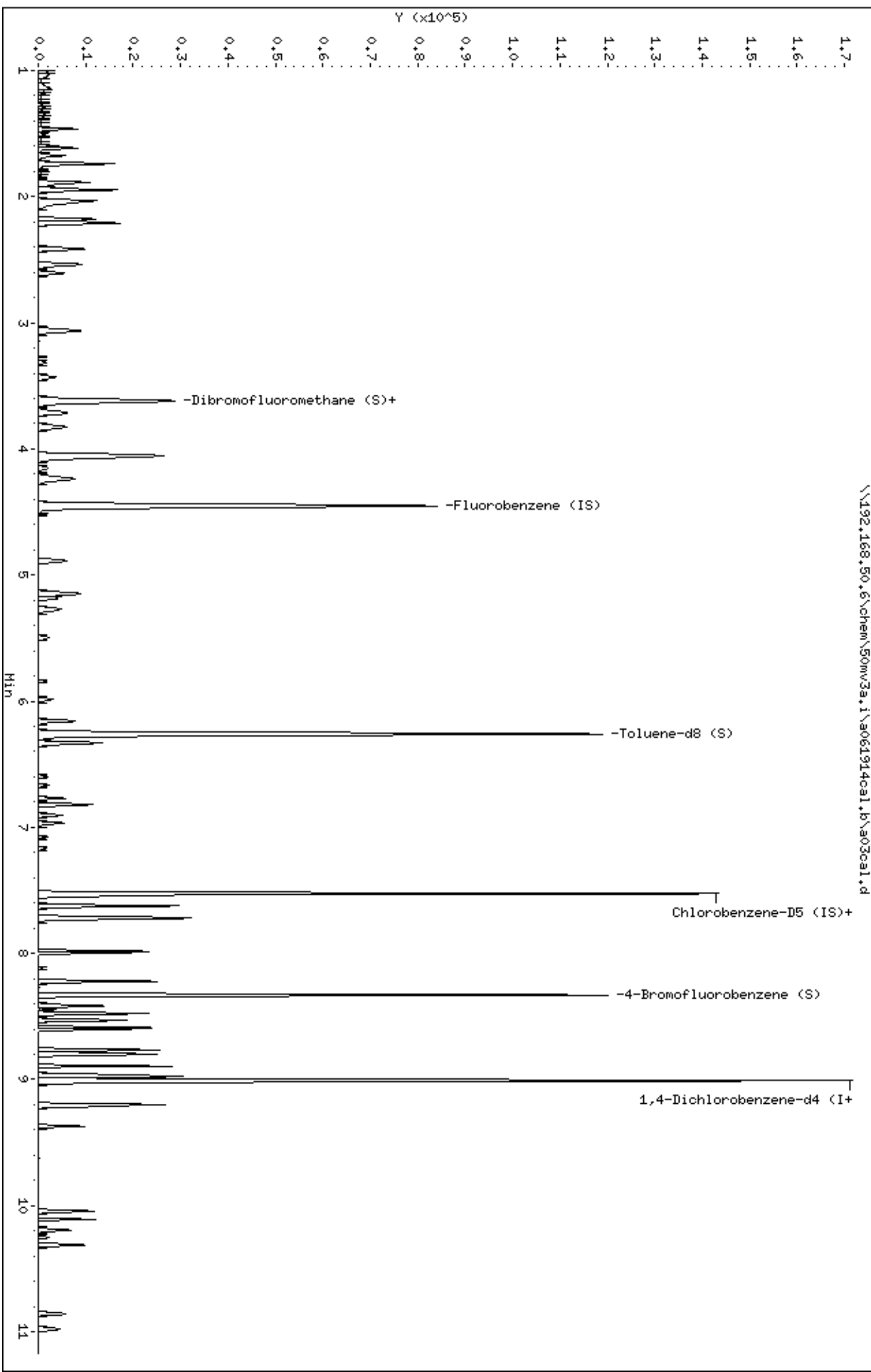
- Q - Qualifier signal failed the ratio test.
- M - Compound response manually integrated.
- H - Operator selected an alternate compound hit.

Review Codes Legend

- NI: Indicates that the peak was not integrated at all by the computer software.
- :
- WP: Indicates that the wrong peak was chosen by the data system.

Data File: \\192.168.50.6\chem\50wv3a.1\A061914cal.1\A03cal.1.d
Date: 19-JUN-2014 15:51
Client ID: 8260-CAL3,71099;0
Sample Info: 8260-CAL3,71099;0
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50wv3a.1
Operator: JIZ
Column diameter: 0.18



Data File: \\192.168.50.6\chem\50mv3a.i\061914cal.b/a03cal.d

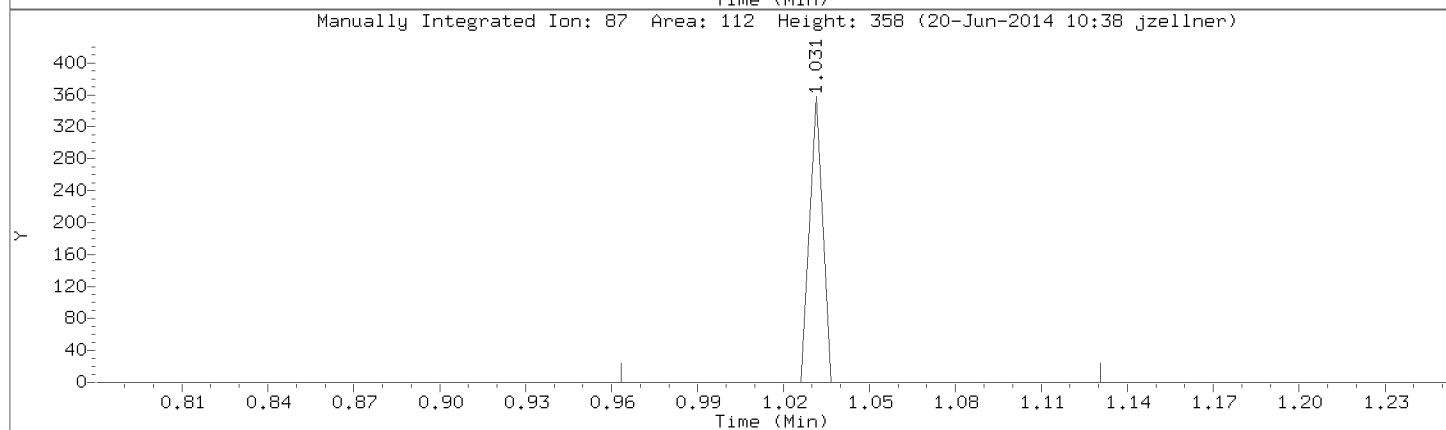
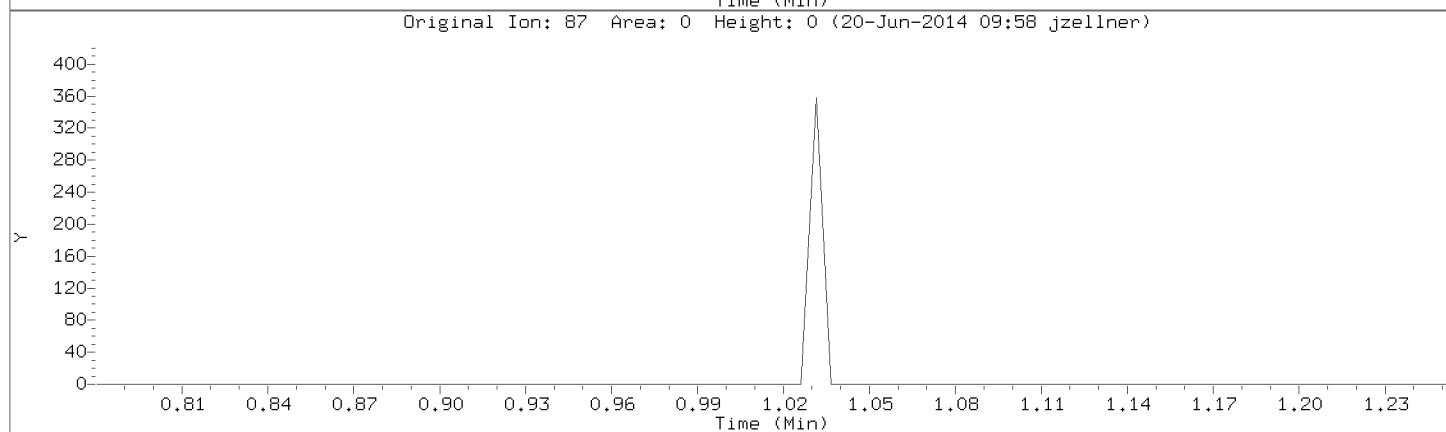
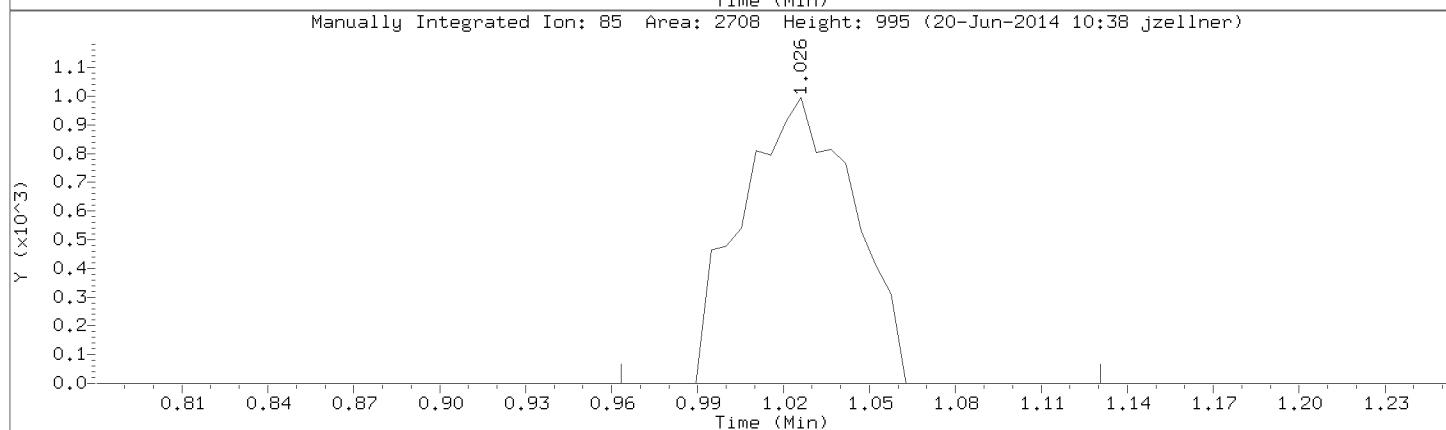
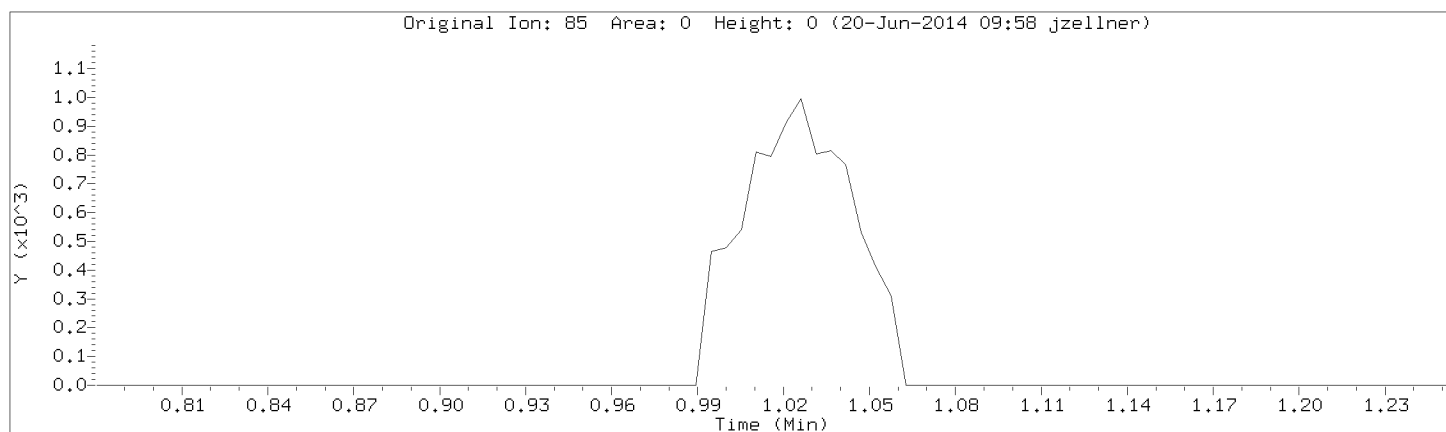
Injection Date: 19-JUN-2014 15:51

Instrument: 50mv3a.i

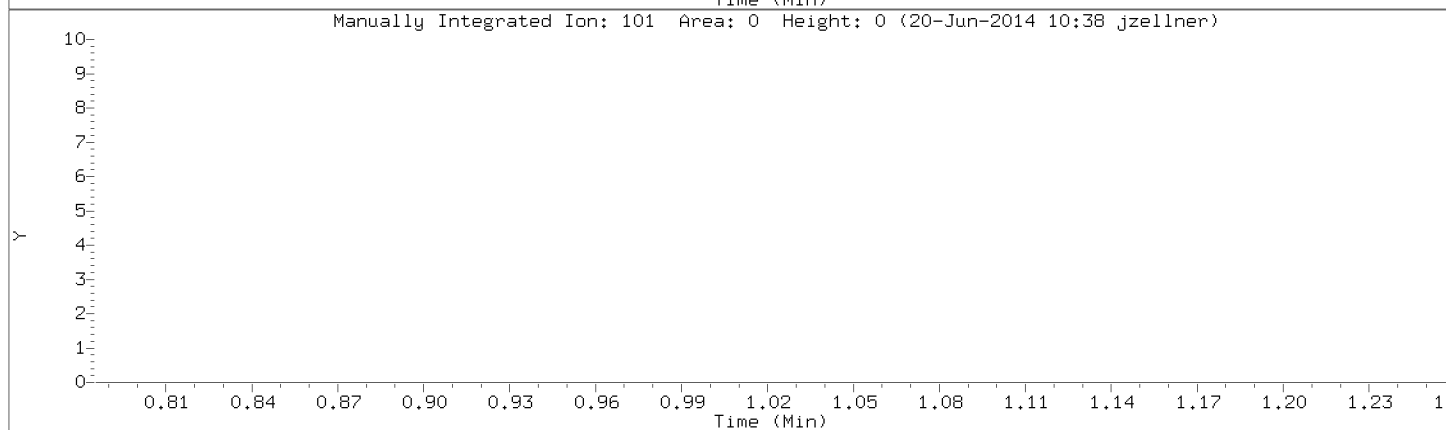
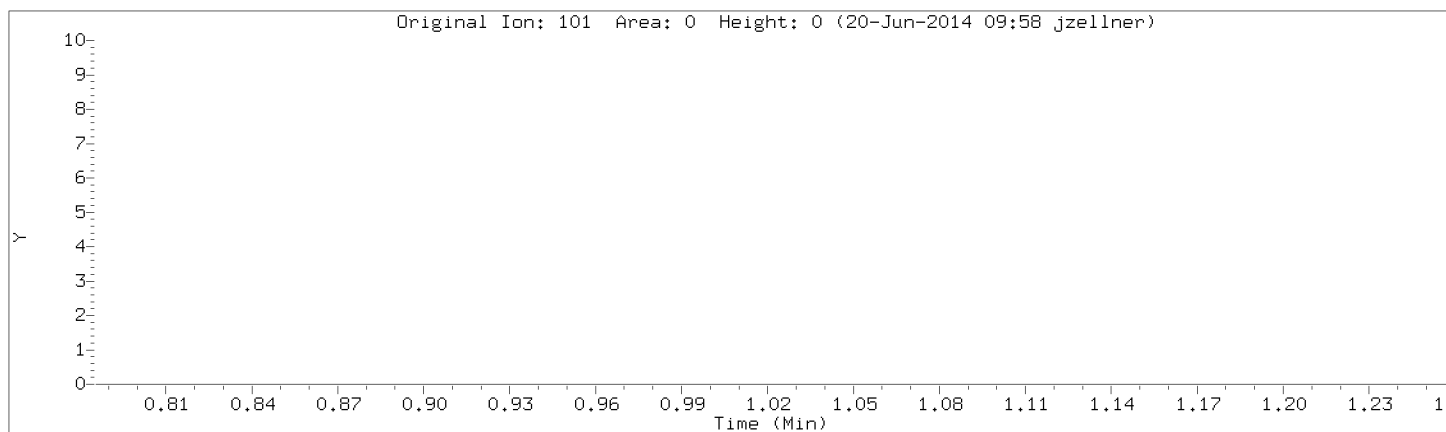
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Compound: Dichlorodifluoromethane

CAS Number: 75-71-8

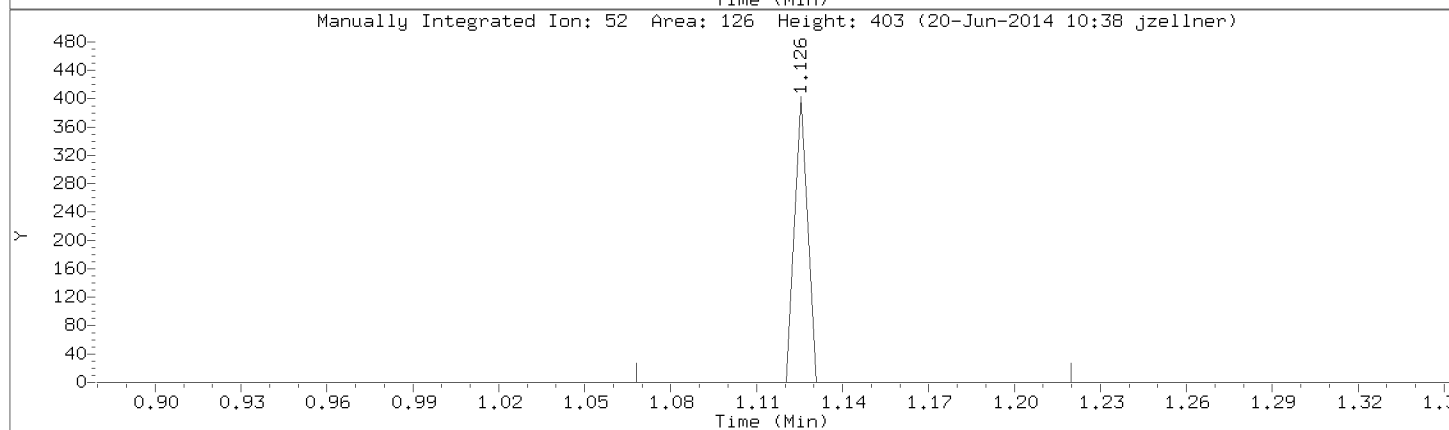
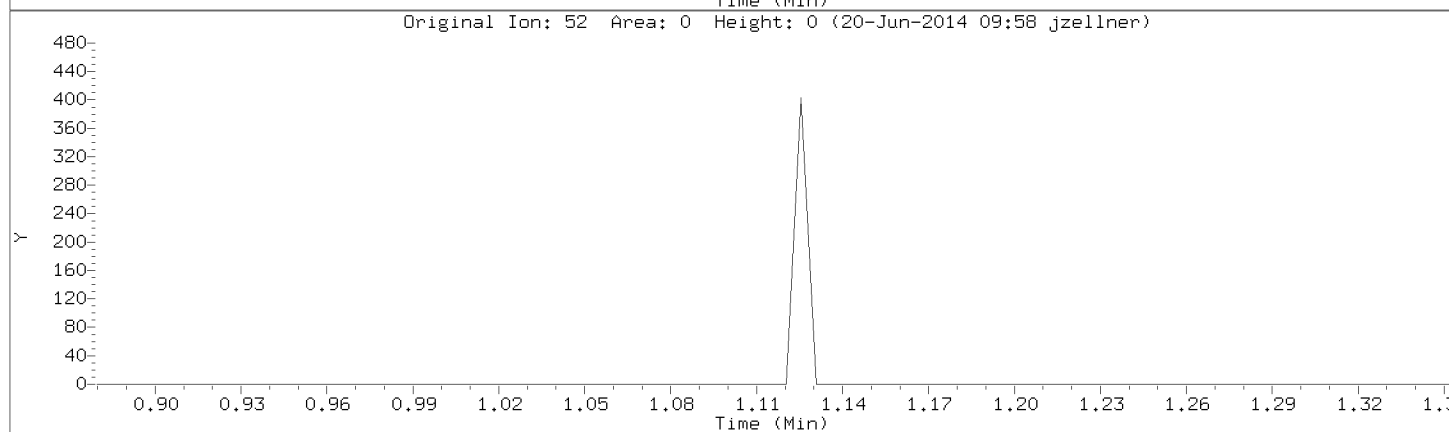
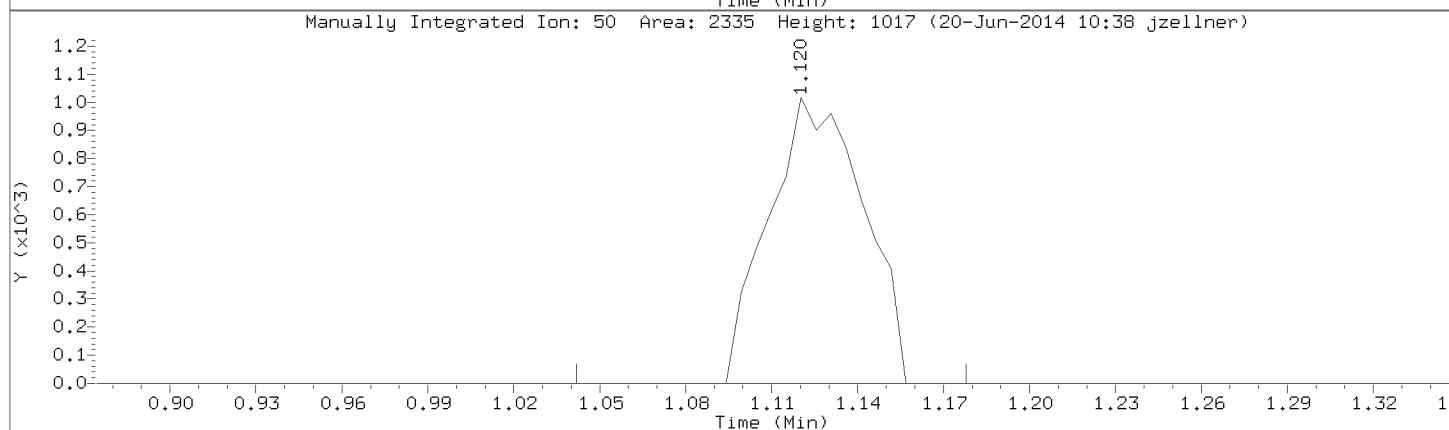
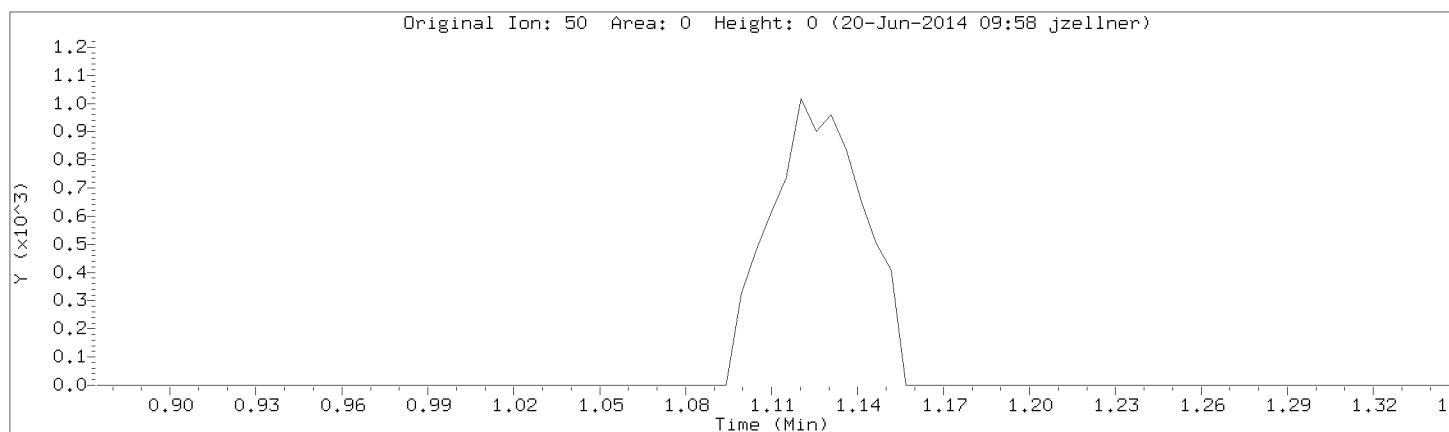


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Lab Sample ID: 8260-CAL3,71099:0



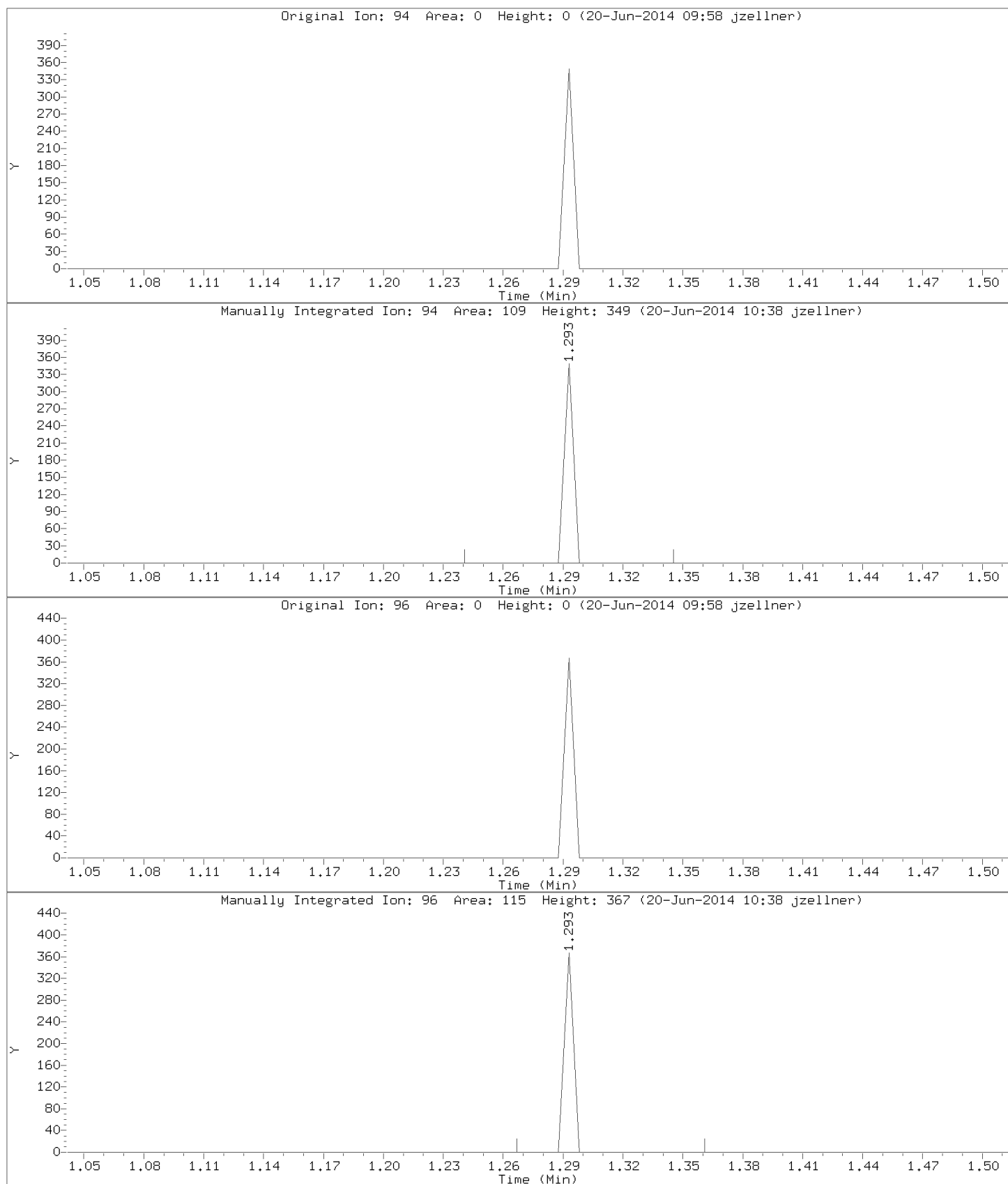
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Injection Date: 19-JUN-2014 15:51
Instrument: 50mv3a.i
Lab Sample ID: 8260-CAL3,71099:0

Compound: Chloromethane
CAS Number: 74-87-3



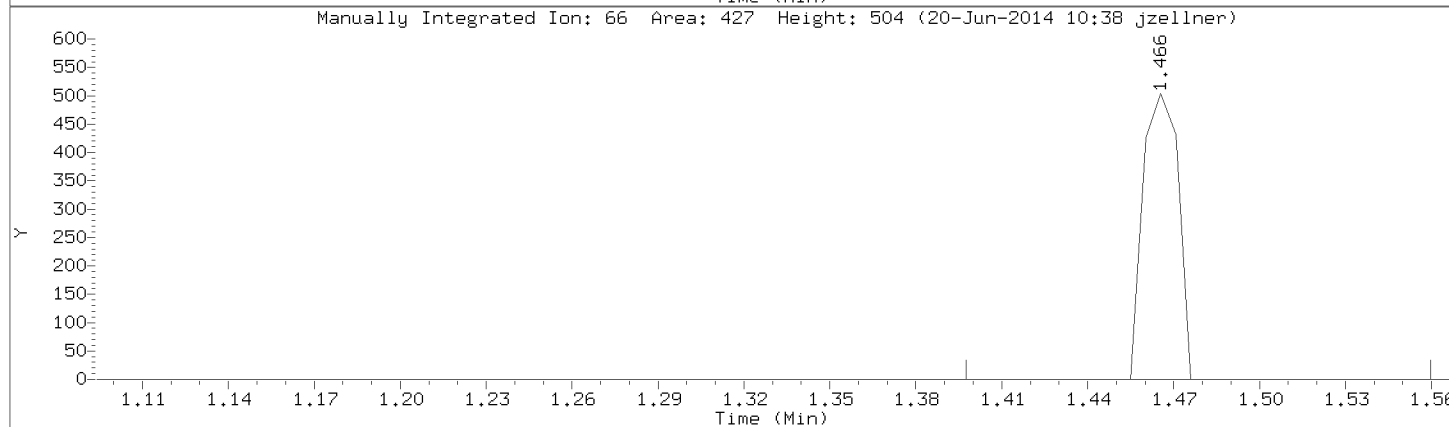
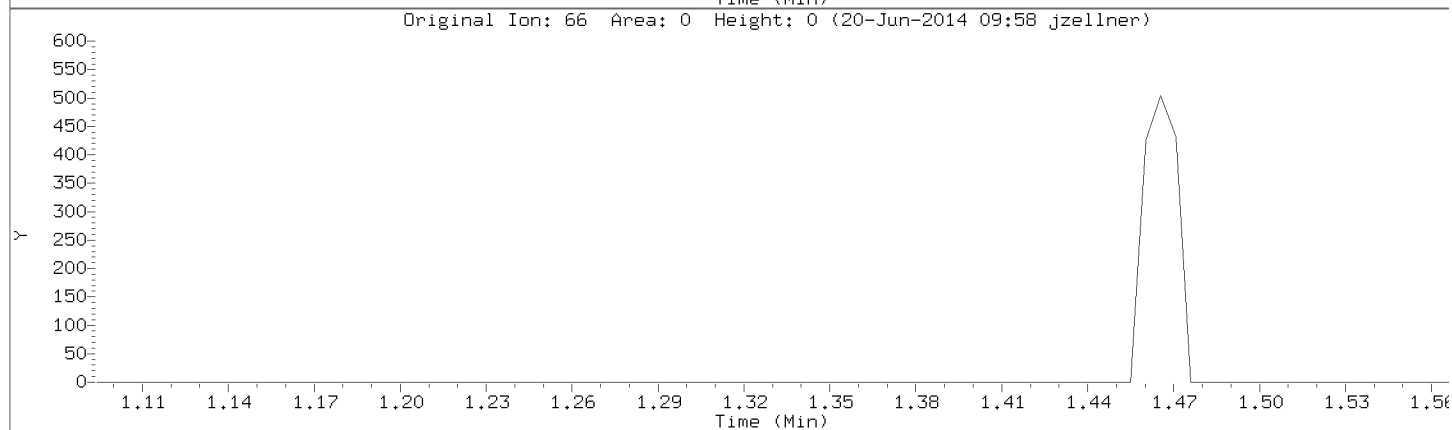
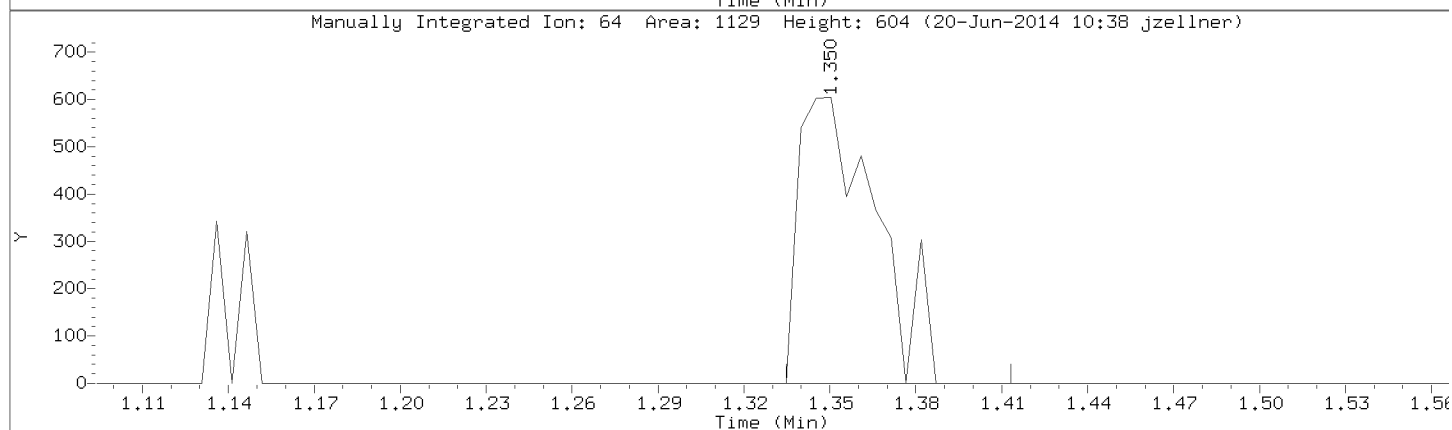
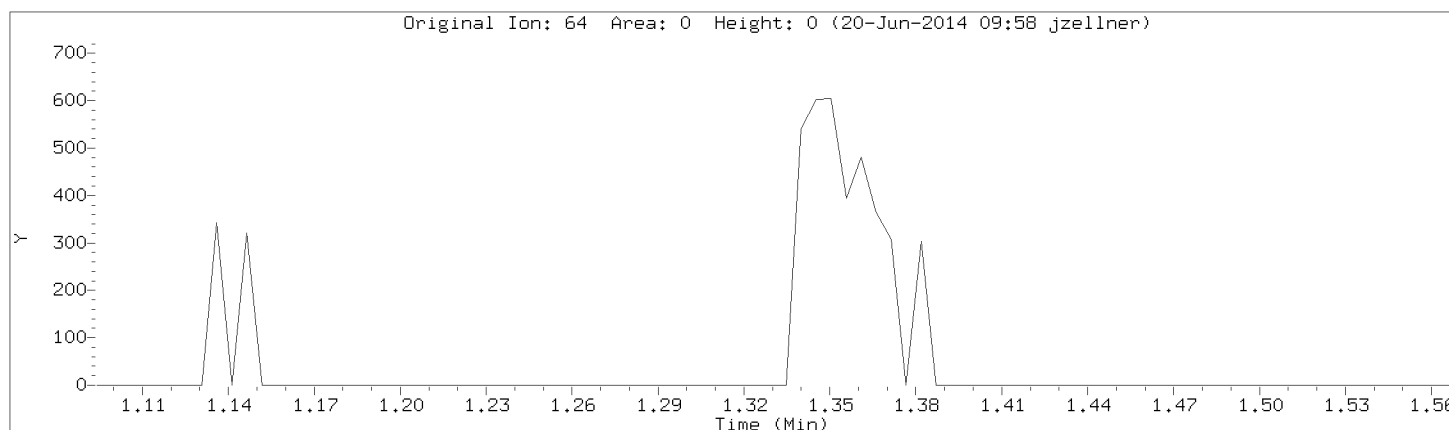
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Instrument: 50mv3a.i
Lab Sample ID: 8260-CAL3,71099:0

Compound: Bromomethane
CAS Number: 74-83-9



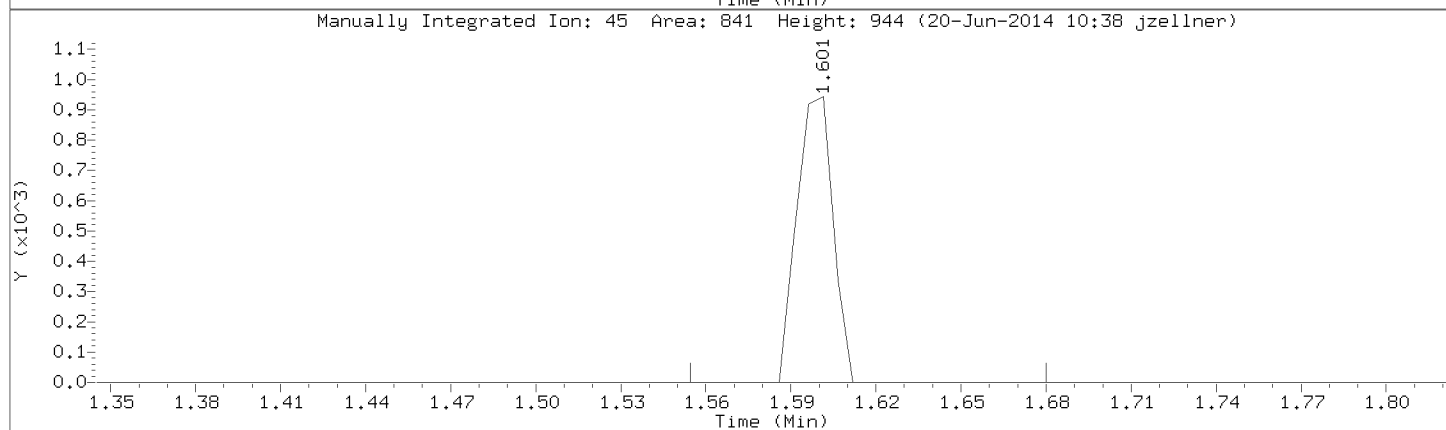
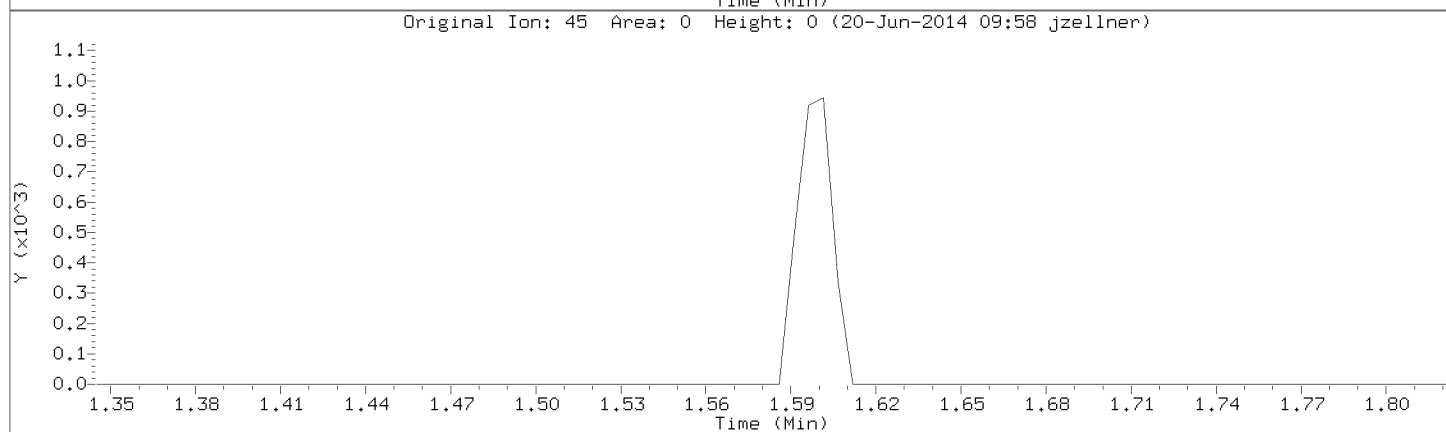
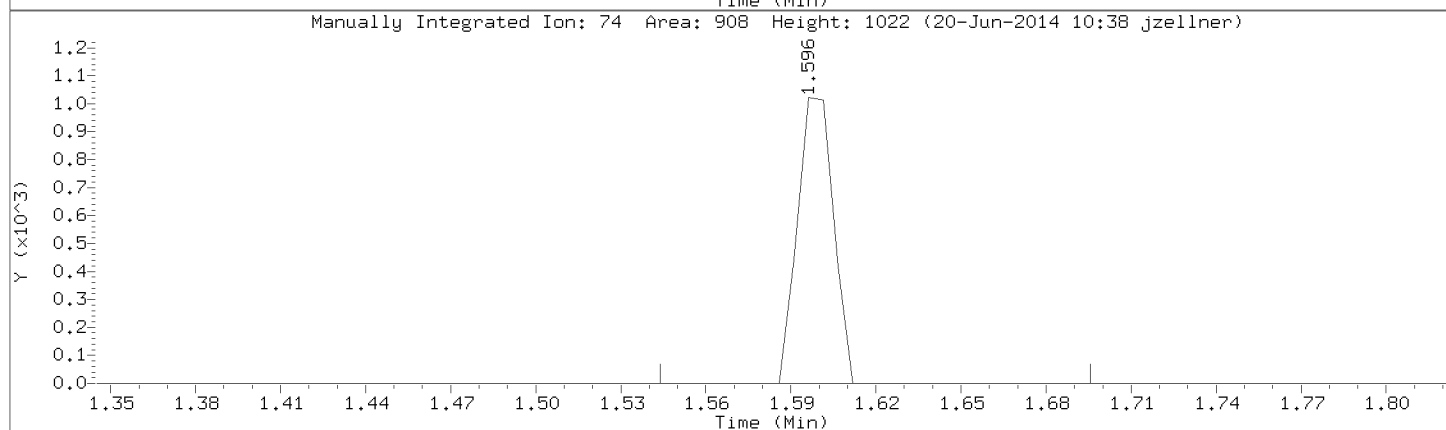
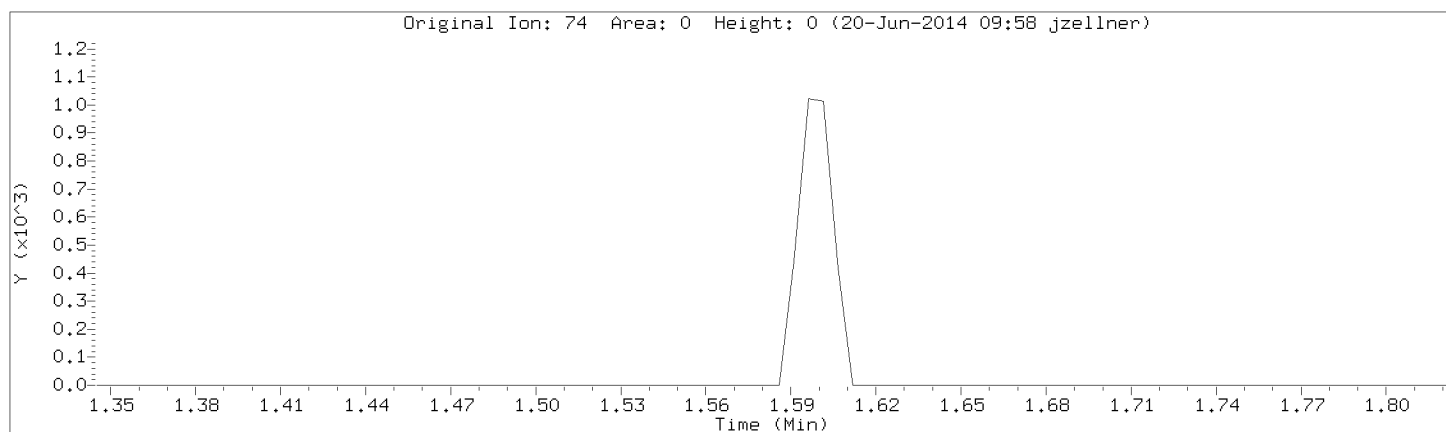
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Instrument: 50mv3a.i
Lab Sample ID: 8260-CAL3,71099:0

Compound: Chloroethane
CAS Number: 75-00-3

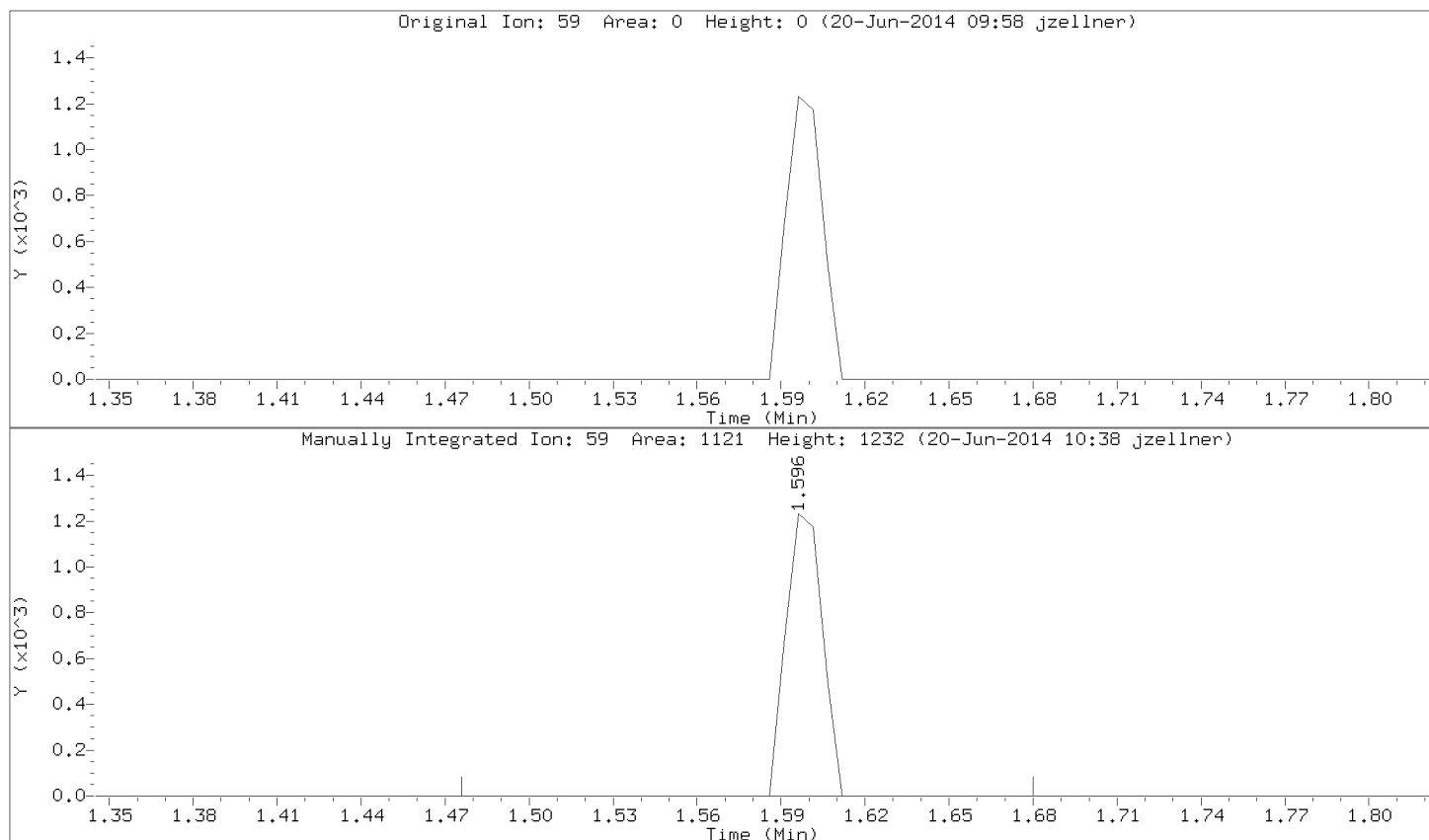


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Instrument: 50mv3a.i
Lab Sample ID: 8260-CAL3,71099:0

Compound: Diethyl ether
CAS Number: 60-29-7

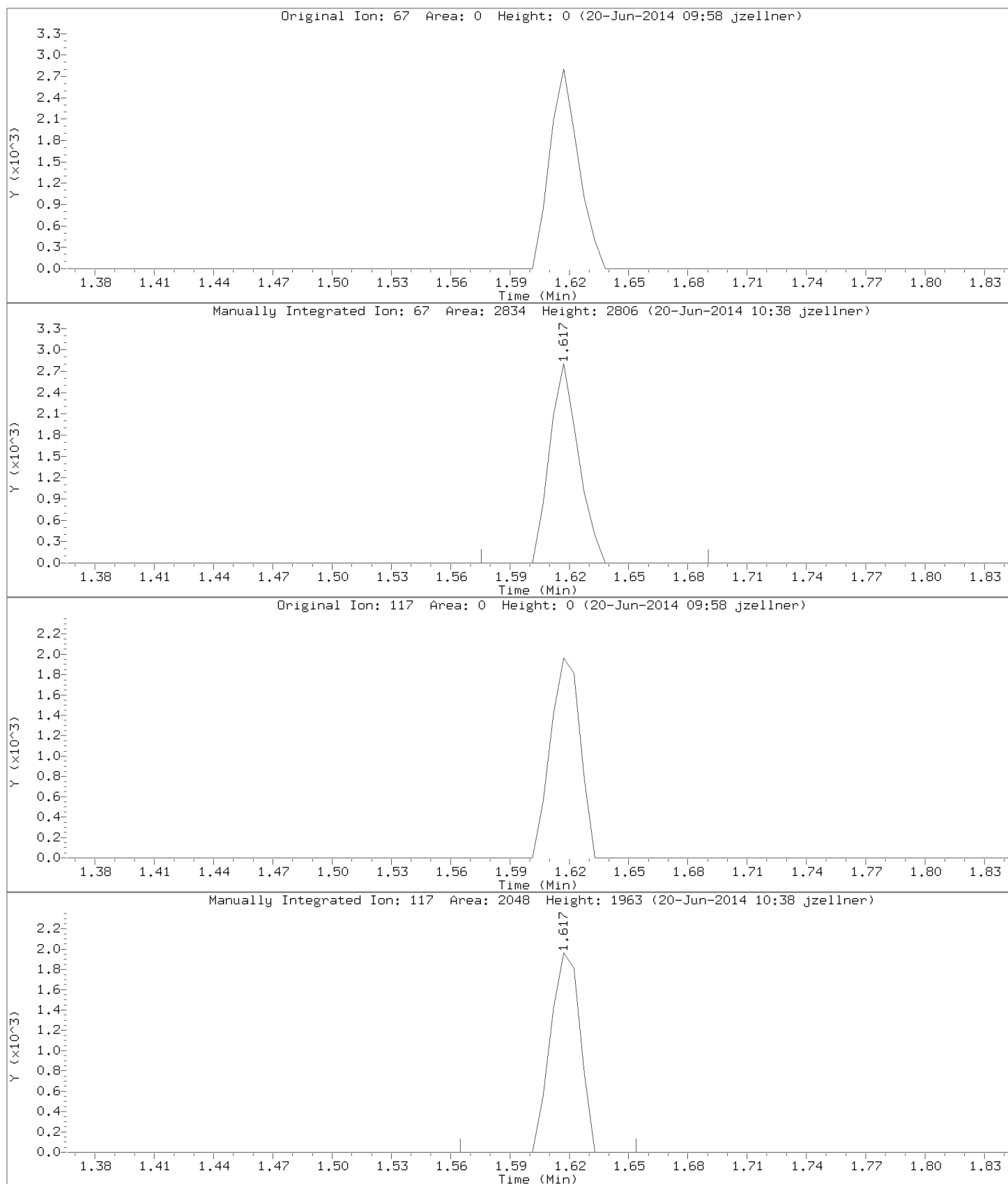


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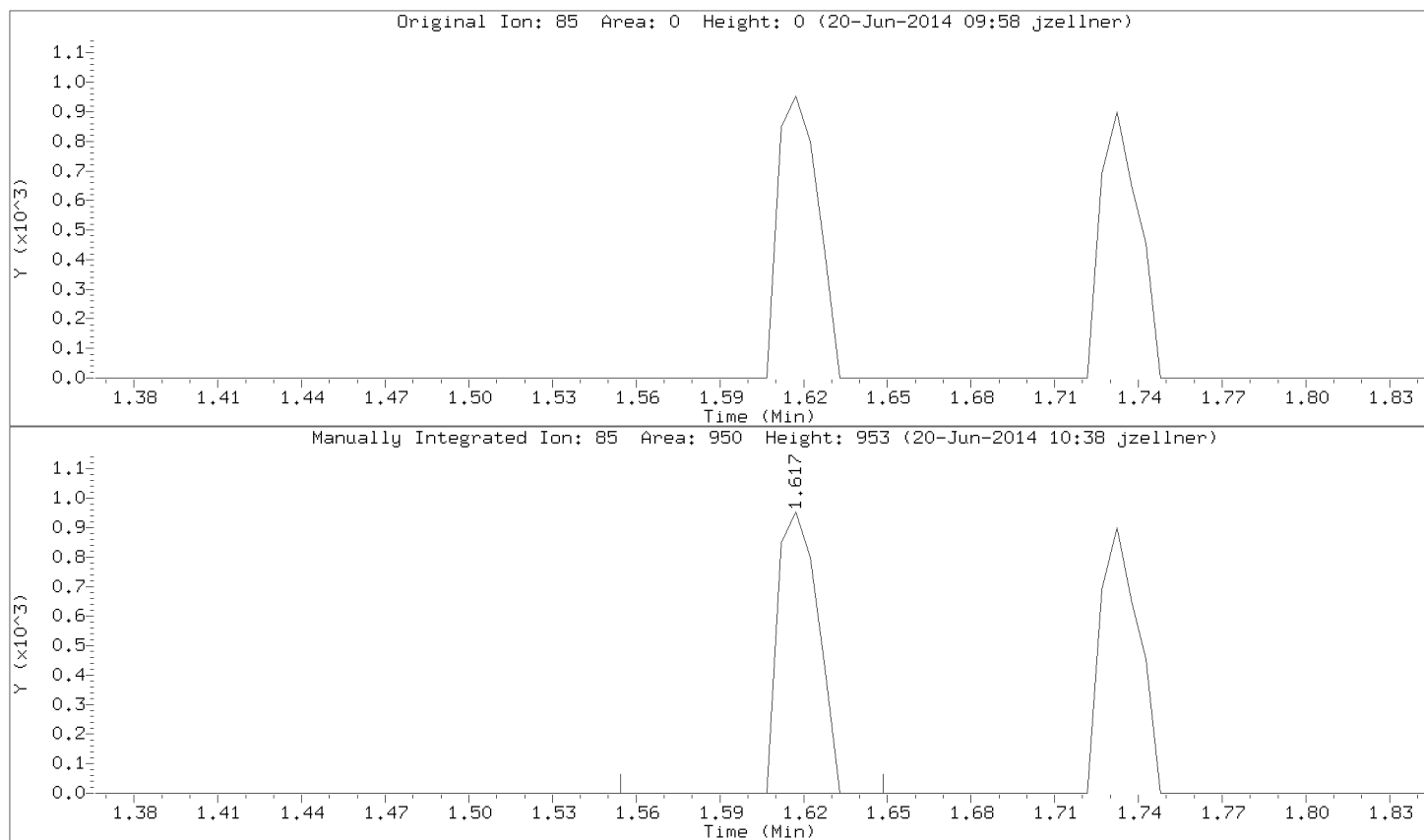


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Lab Sample ID: 8260-CAL3,71099:0

Compound: 1,2-dichlorotrifluoroethane
CAS Number: 354-23-4

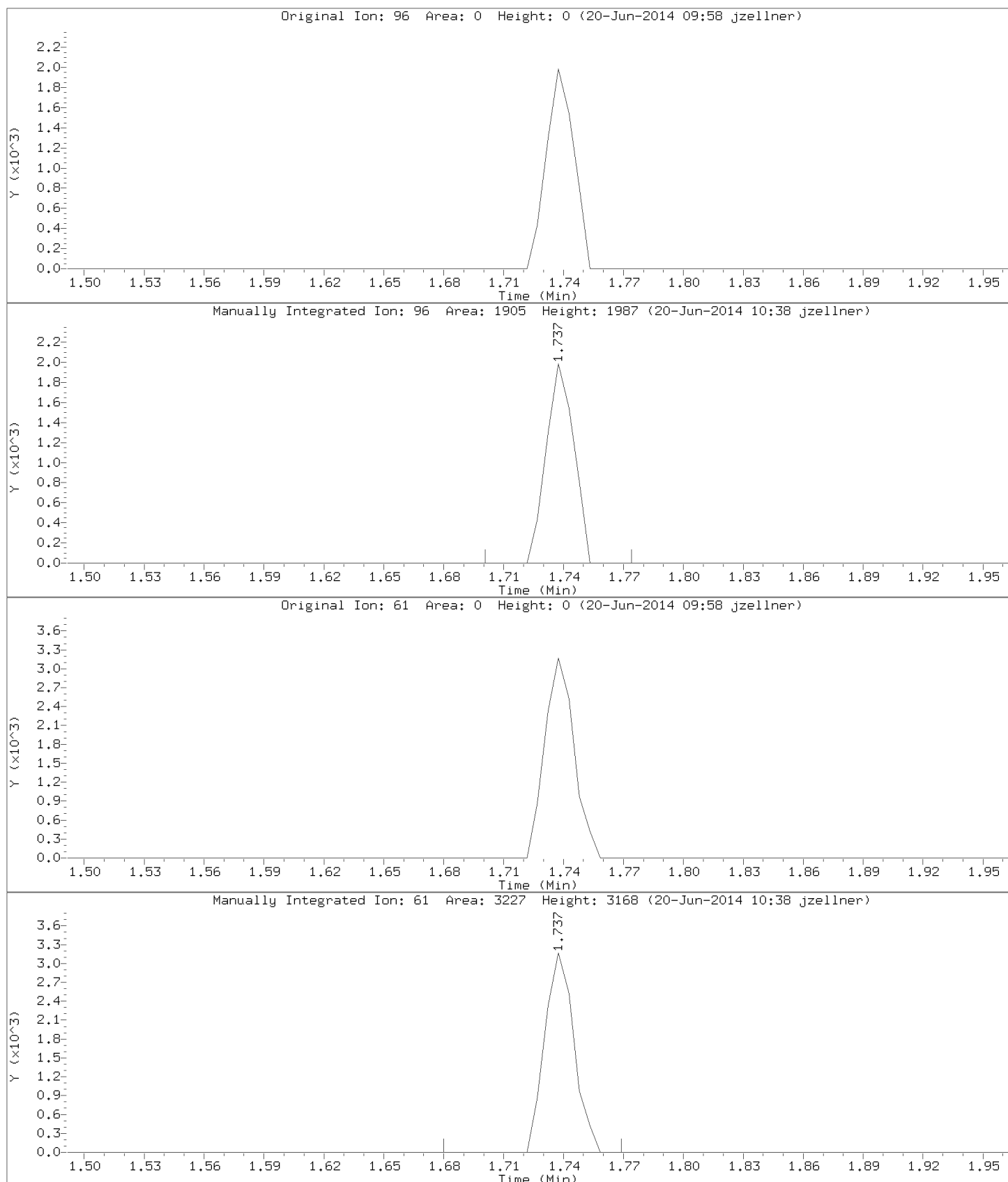


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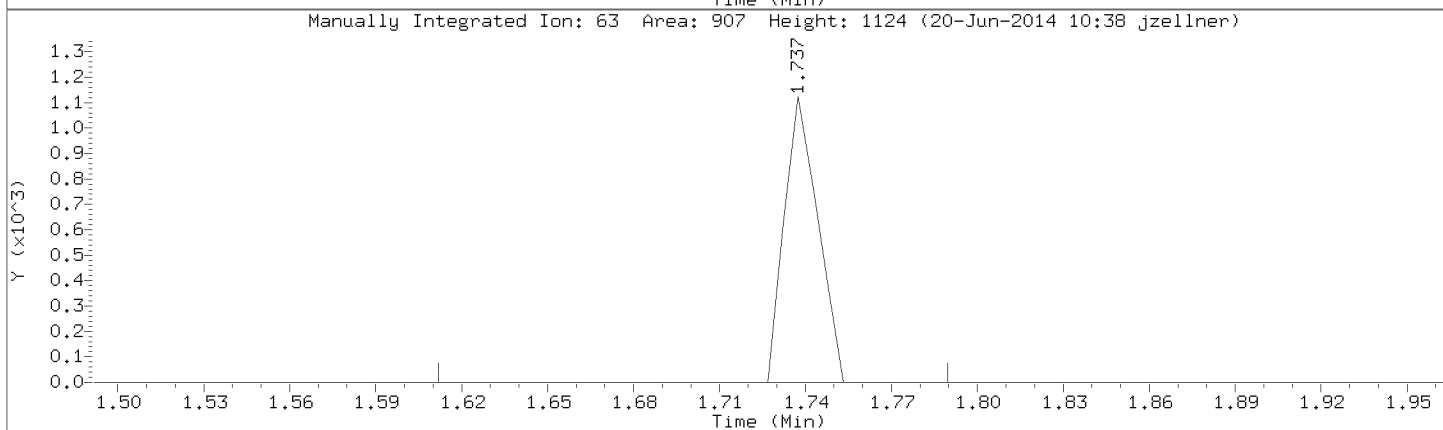
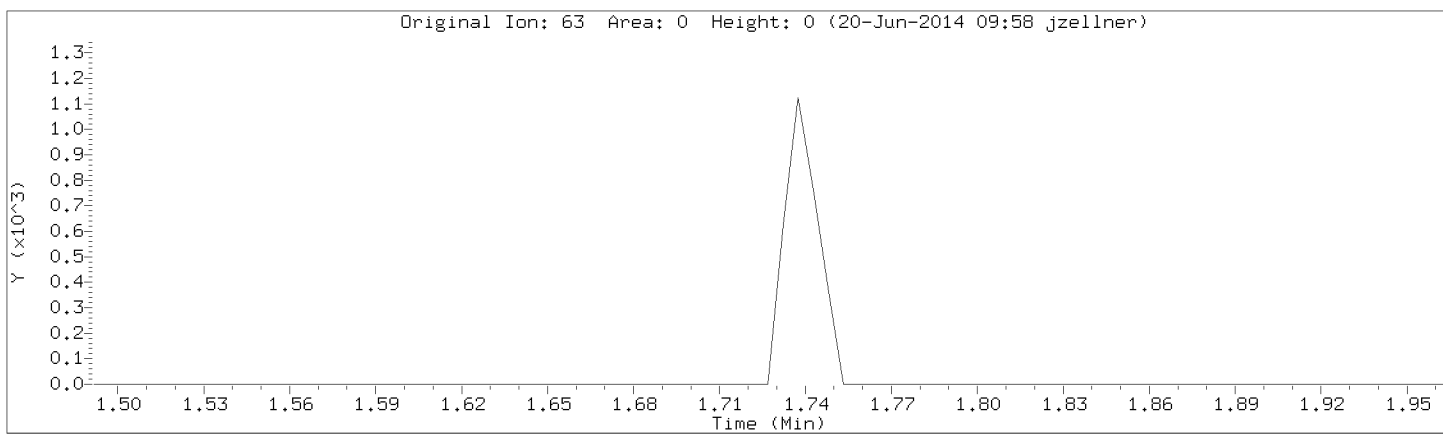


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Instrument: 50mv3a.i
Lab Sample ID: 8260-CAL3,71099:0

Compound: 1,1-Dichloroethene
CAS Number: 75-35-4

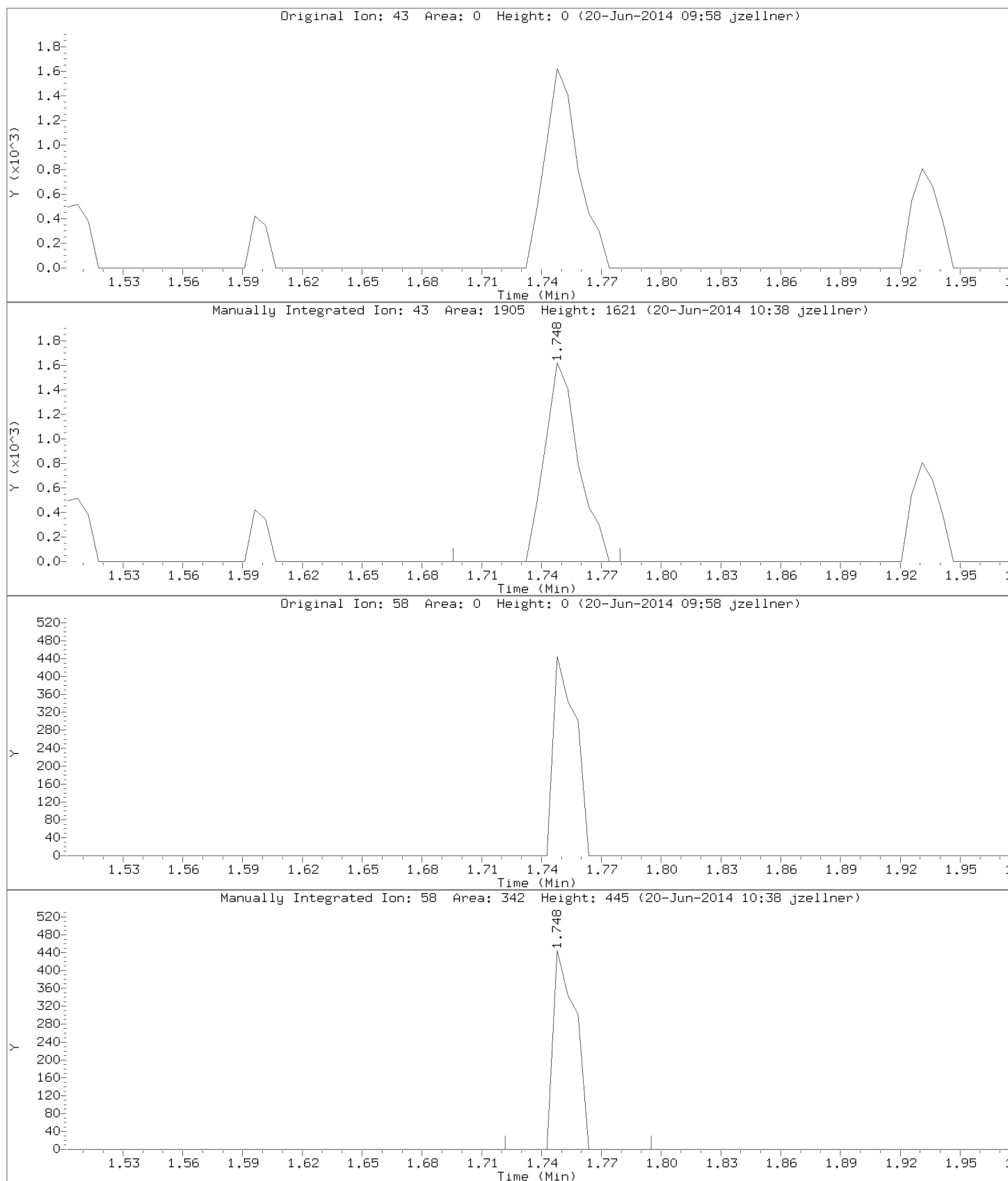


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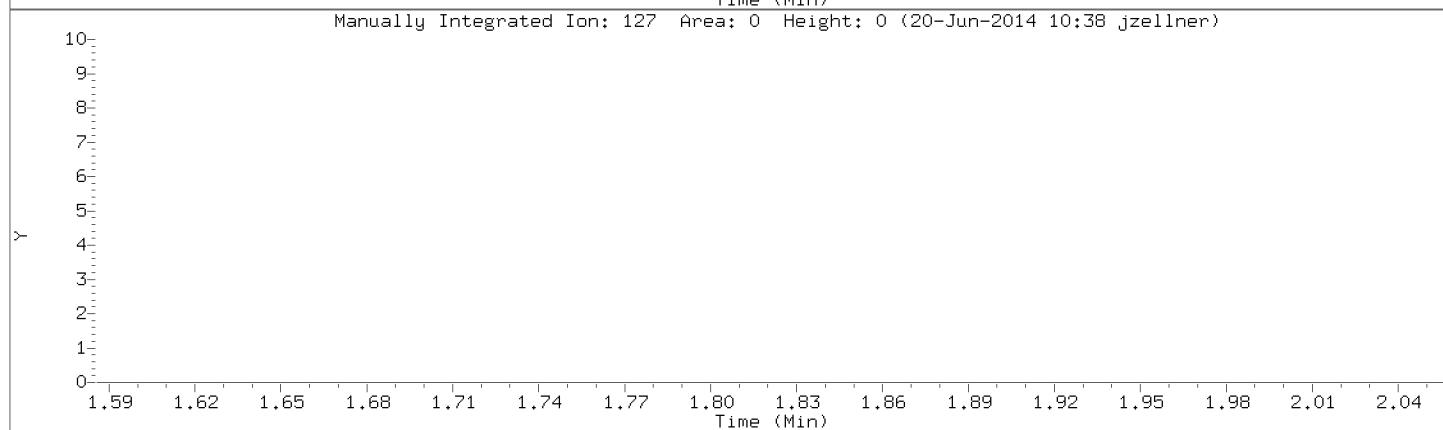
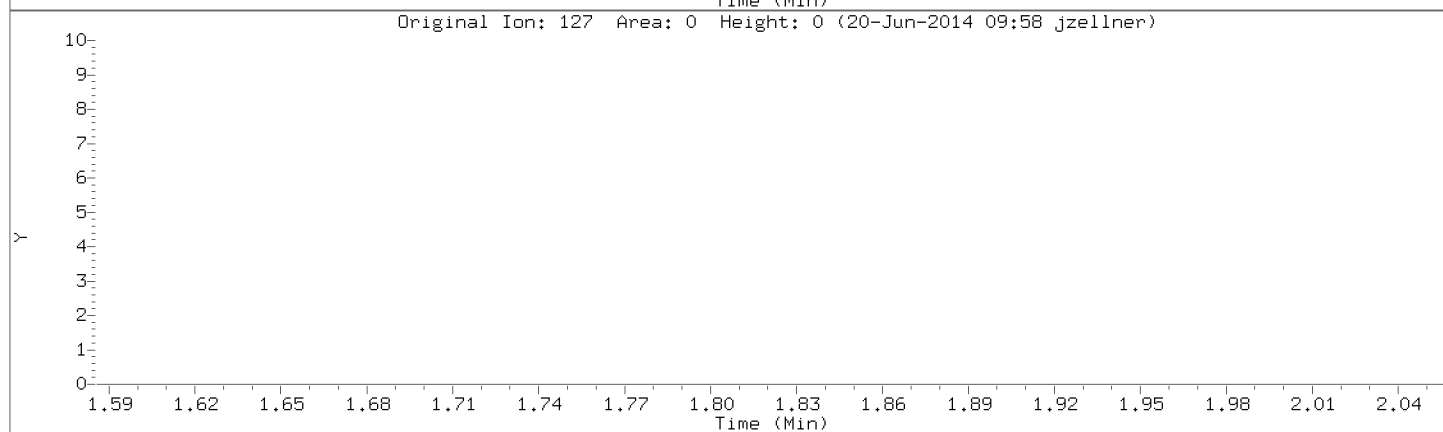
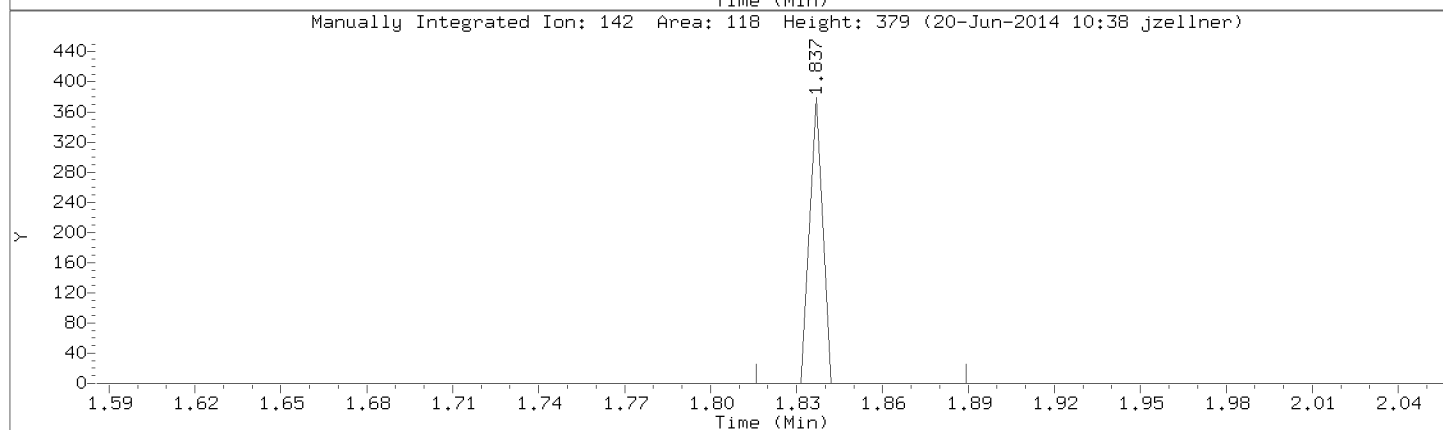
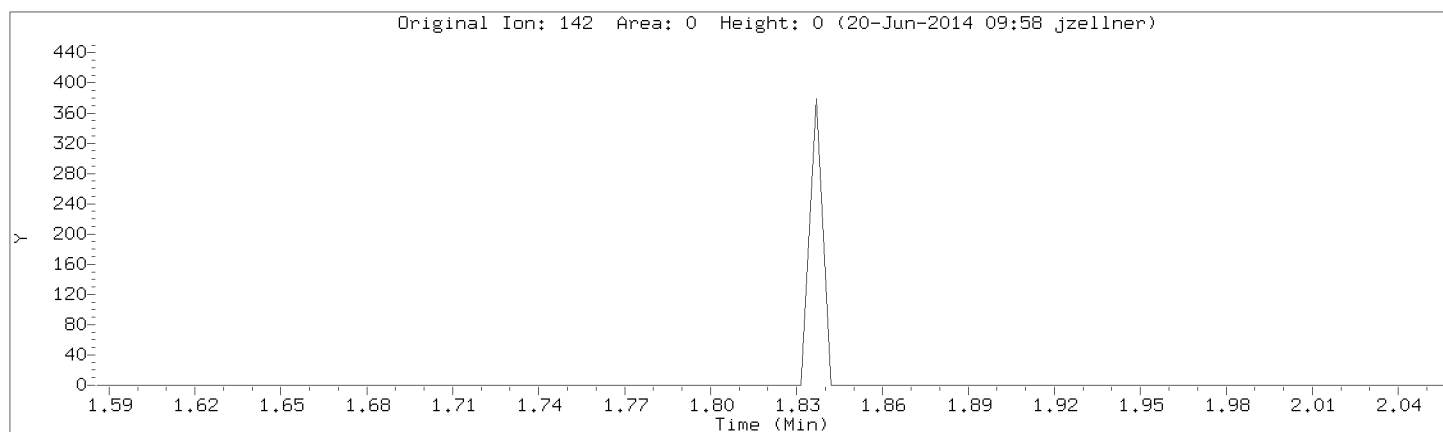
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Injection Date: 19-JUN-2014 15:51
Instrument: 50mv3a.i
Lab Sample ID: 8260-CAL3,71099:0

Compound: Acetone
CAS Number: 67-64-1



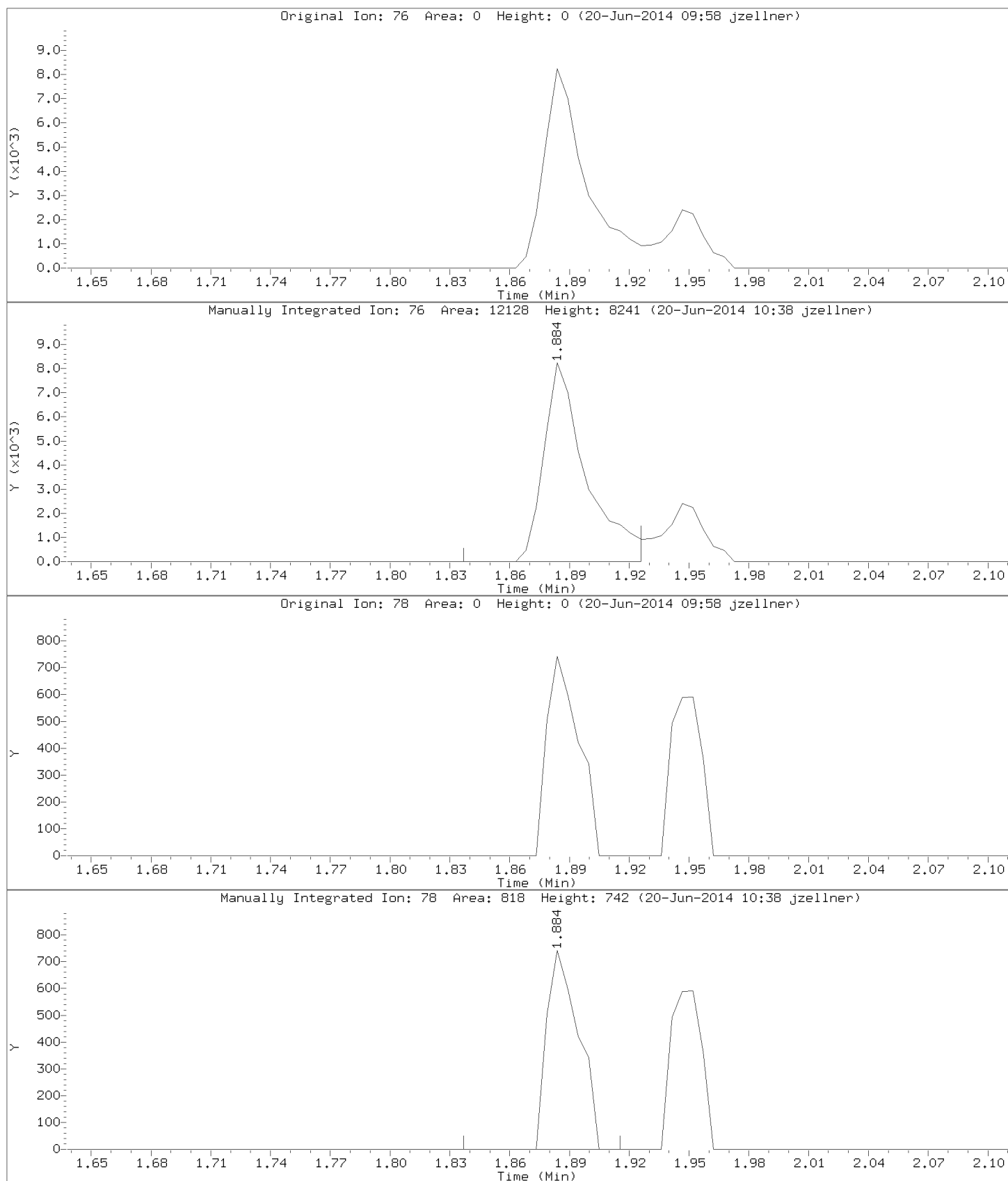
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Injection Date: 19-JUN-2014 15:51
Instrument: 50mv3a.i
Lab Sample ID: 8260-CAL3,71099:0

Compound: Iodomethane
CAS Number:



Data File: \\192.168.50.6\chem\50mv3a.i\061914cal.b/a03cal.d
Injection Date: 19-JUN-2014 15:51
Instrument: 50mv3a.i
Lab Sample ID: 8260-CAL3,71099:0

Compound: Carbon Disulfide
CAS Number: 75-15-0



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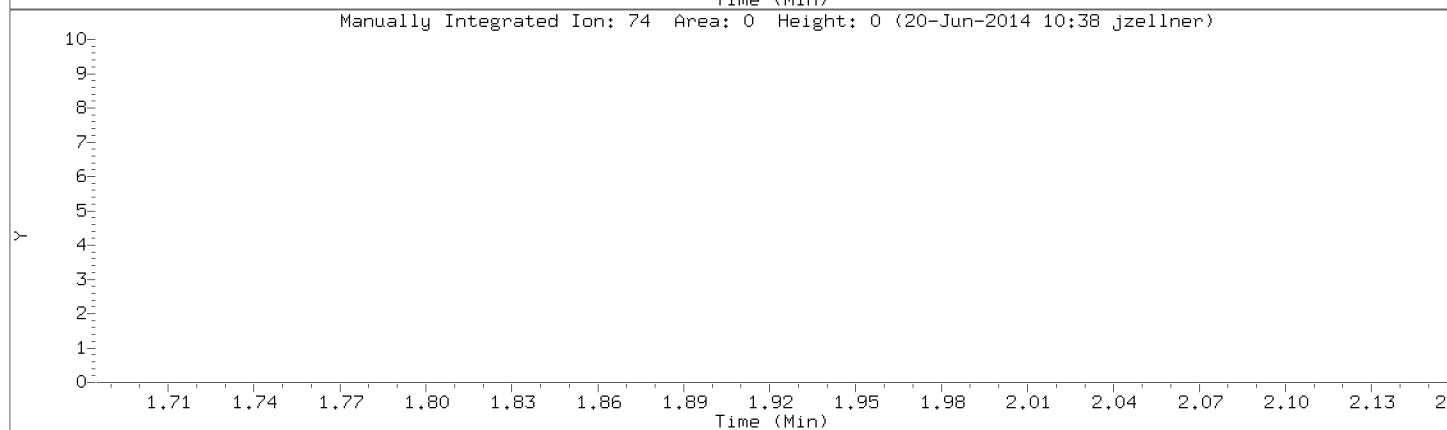
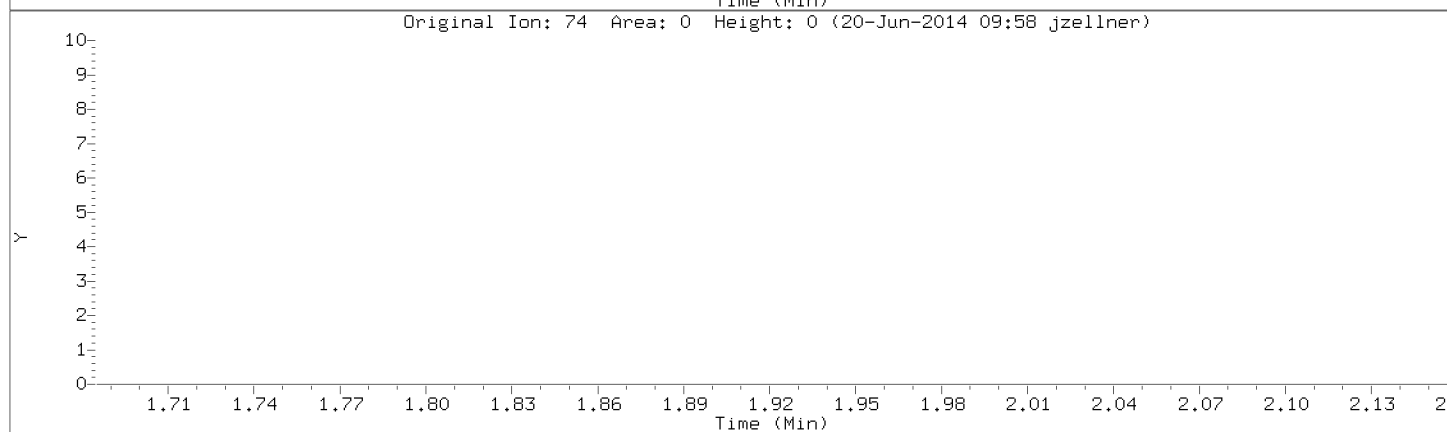
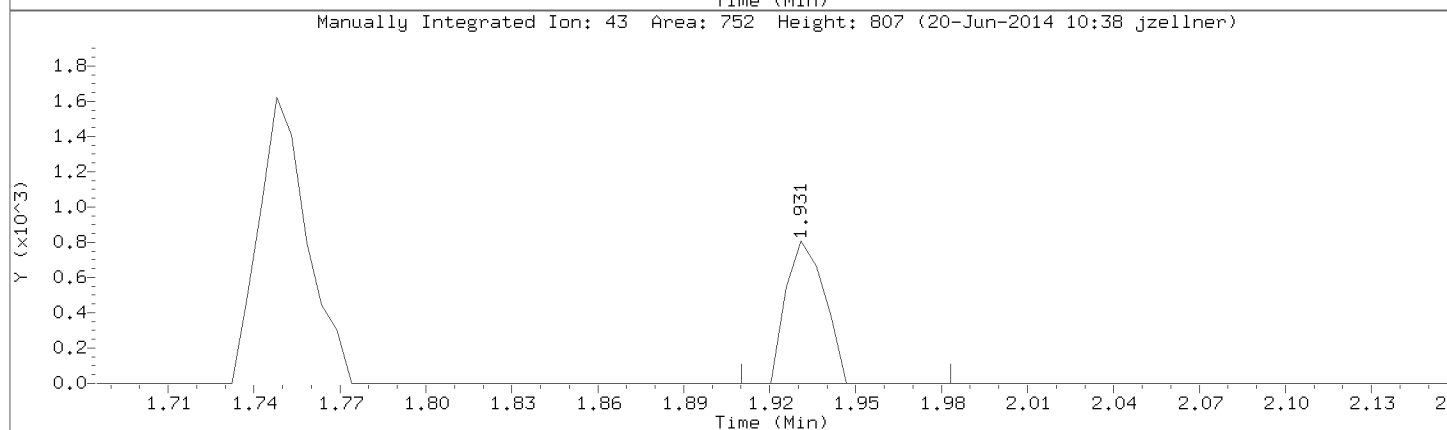
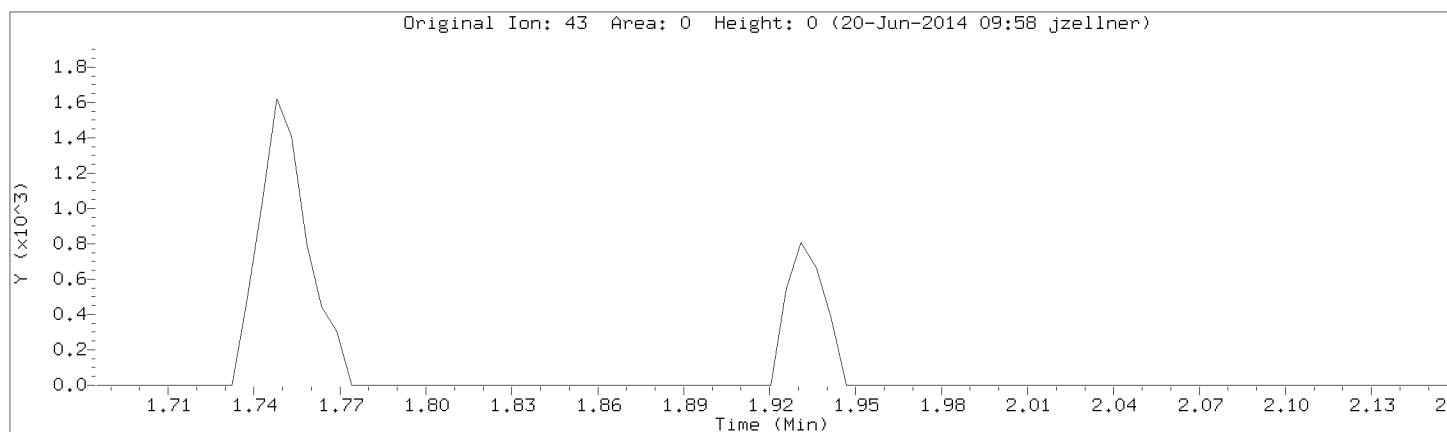
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Instrument: 50mv3a.i

Lab Sample ID: 8260-CAL3,71099:0

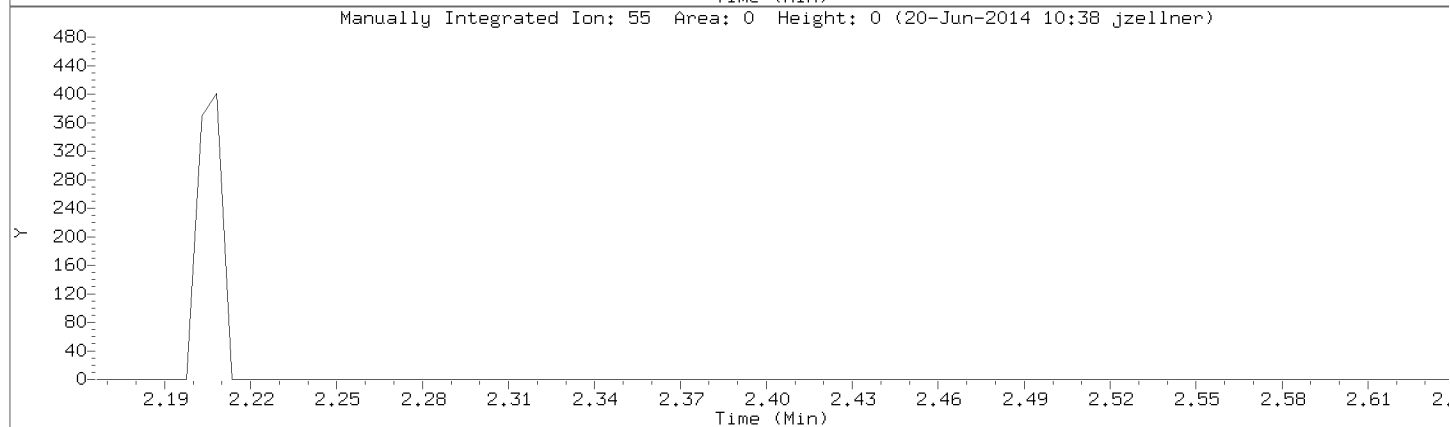
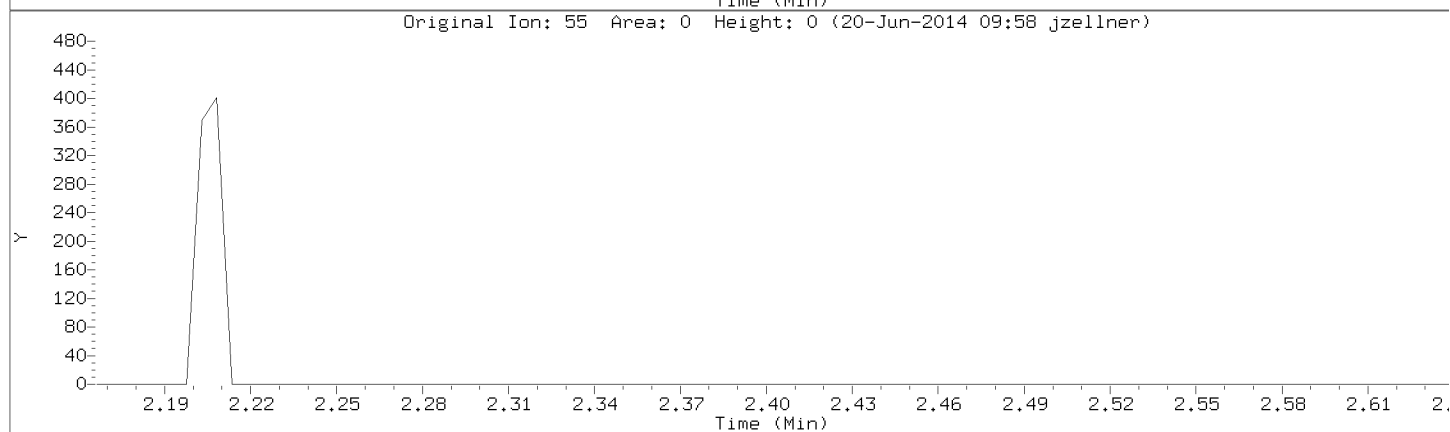
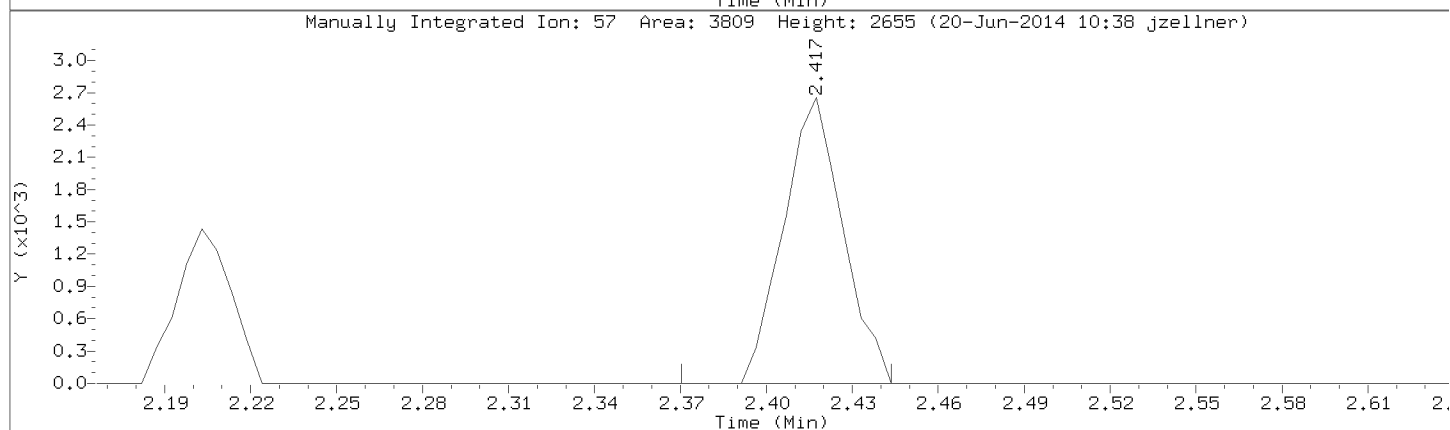
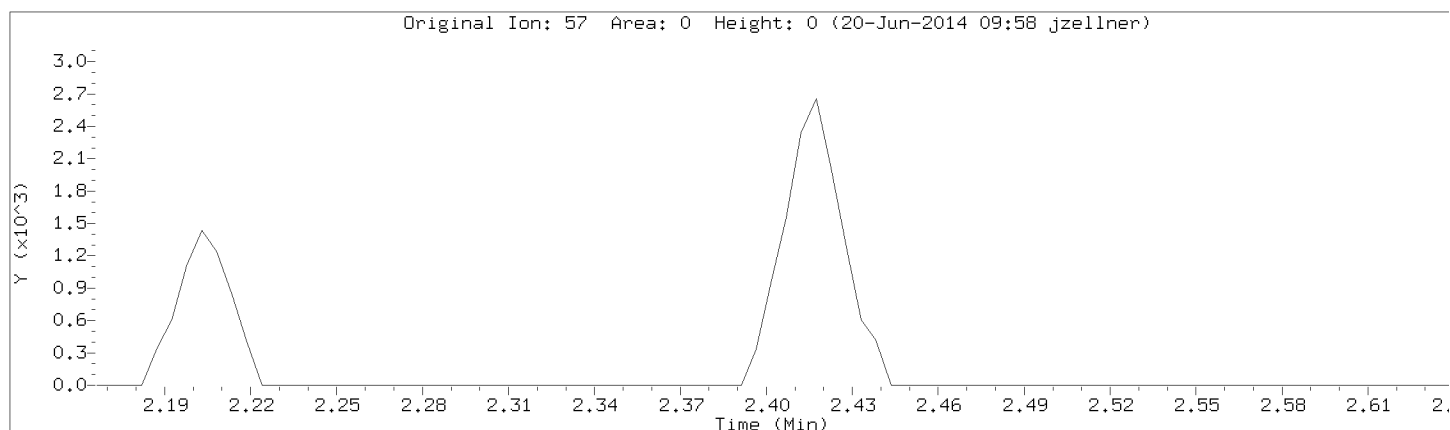
Compound: Methyl Acetate

CAS Number: 79-20-9



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Injection Date: 19-JUN-2014 15:51
Instrument: 50mv3a.i
Lab Sample ID: 8260-CAL3,71099:0

Compound: n-Hexane
CAS Number:



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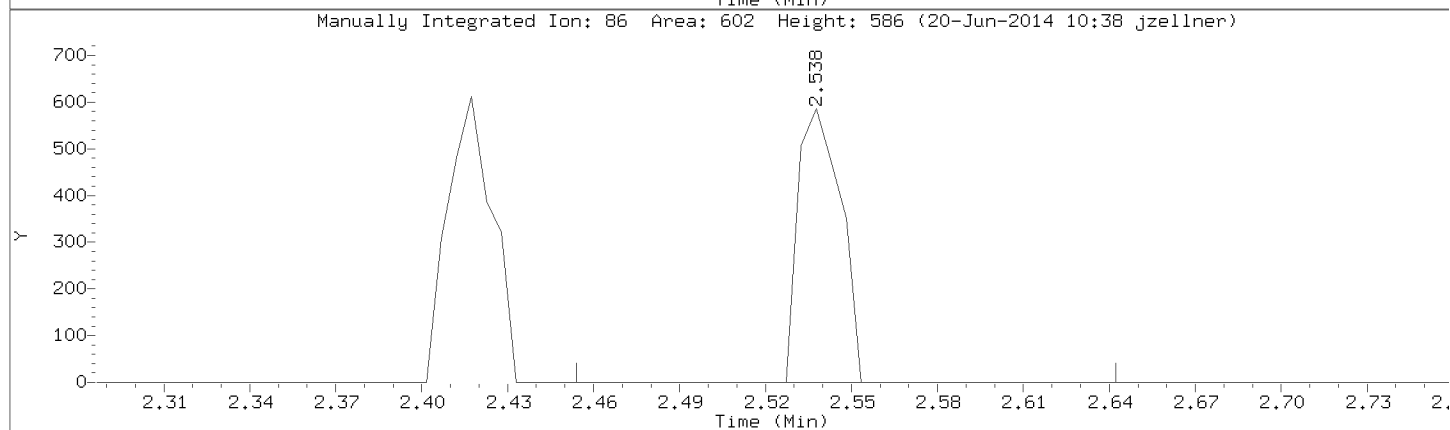
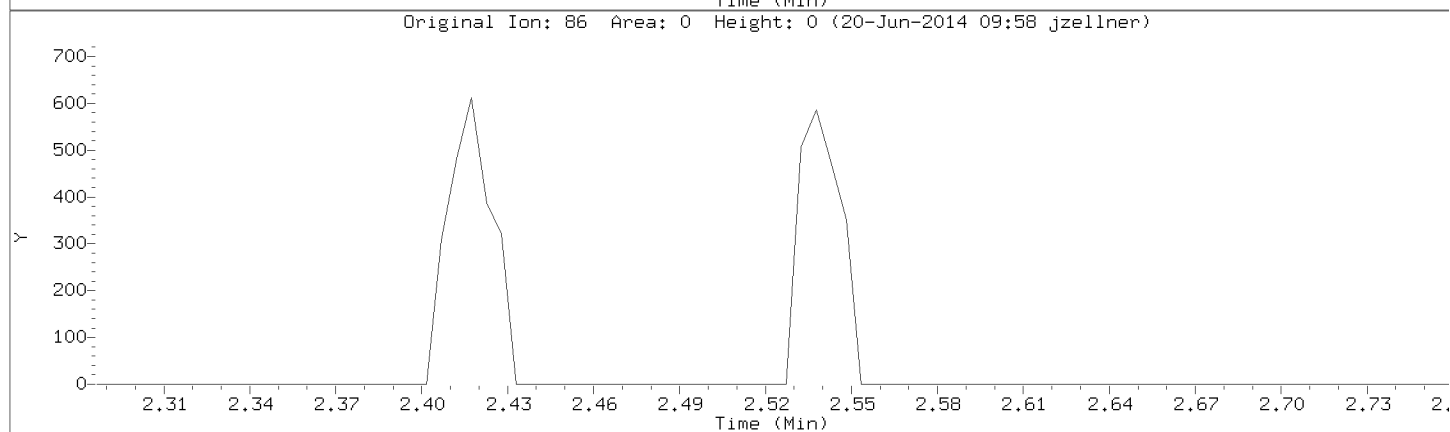
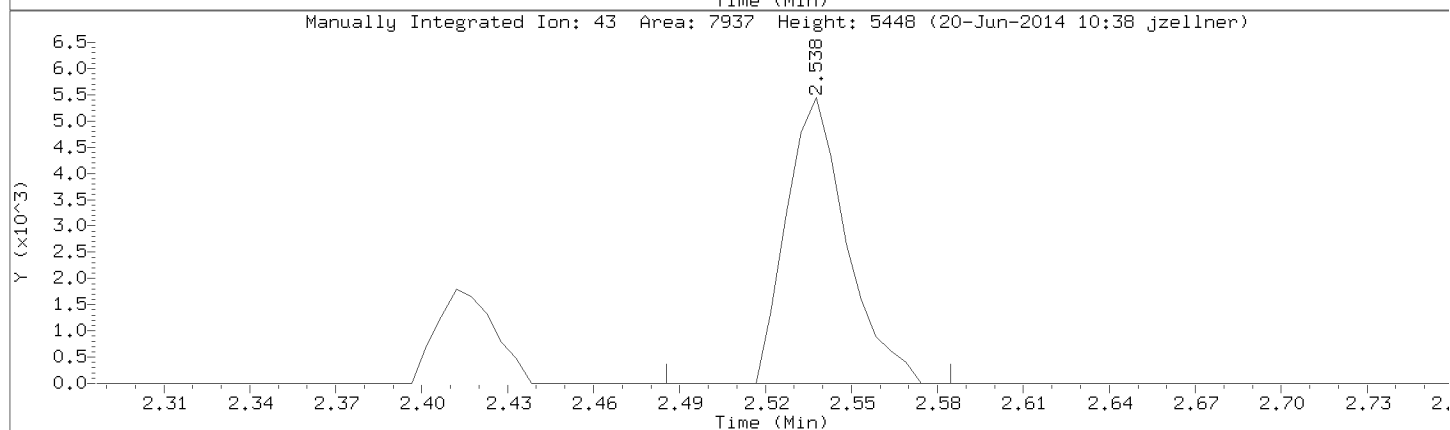
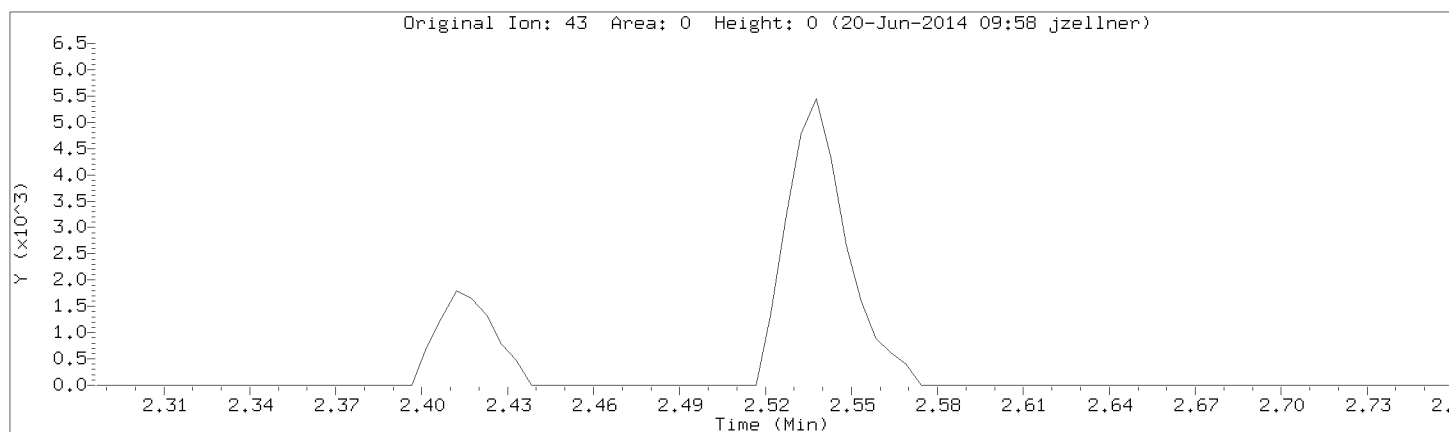
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Instrument: 50mv3a.i

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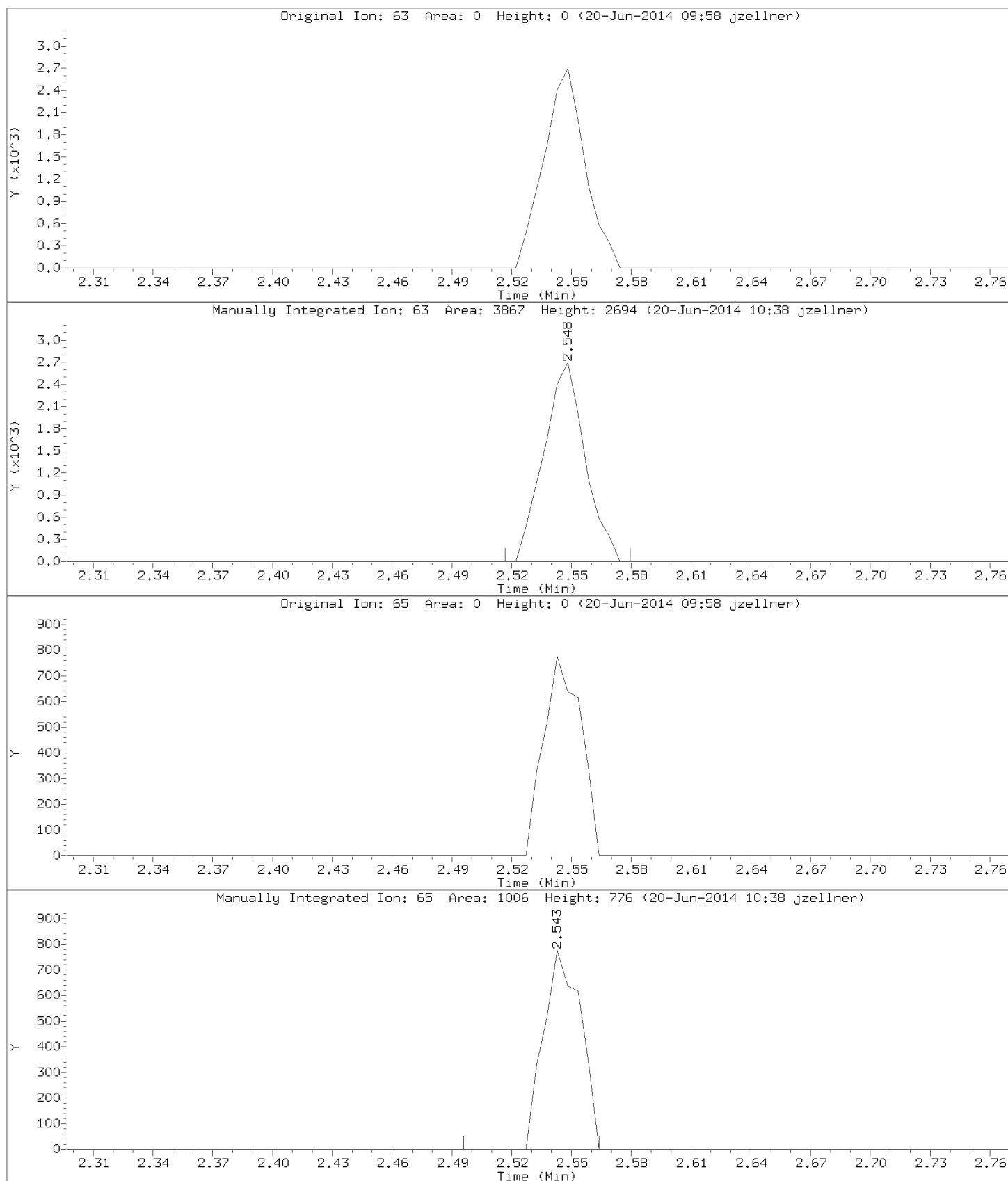
Compound: Vinyl Acetate

CAS Number: 108-05-4

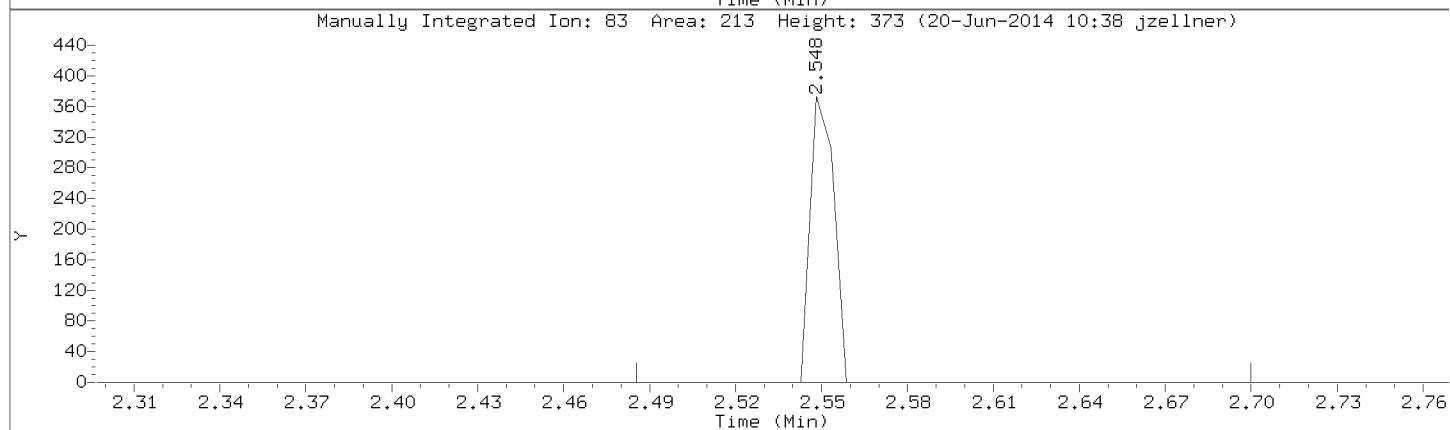
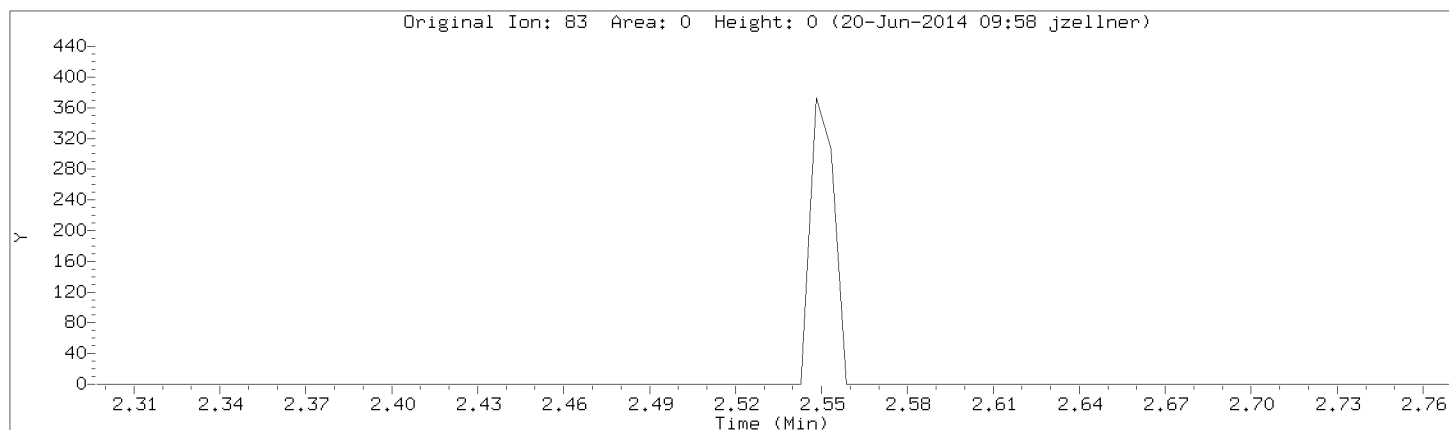


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Injection Date: 19-JUN-2014 15:51
Instrument: 50mv3a.i
Lab Sample ID: 8260-CAL3,71099:0

Compound: 1,1-Dichloroethane
CAS Number: 75-34-3



Data File: \\192.168.50.6\chem\50mv3a.i\a061914cal.b/a03cal.d
Injection Date: 19-JUN-2014 15:51
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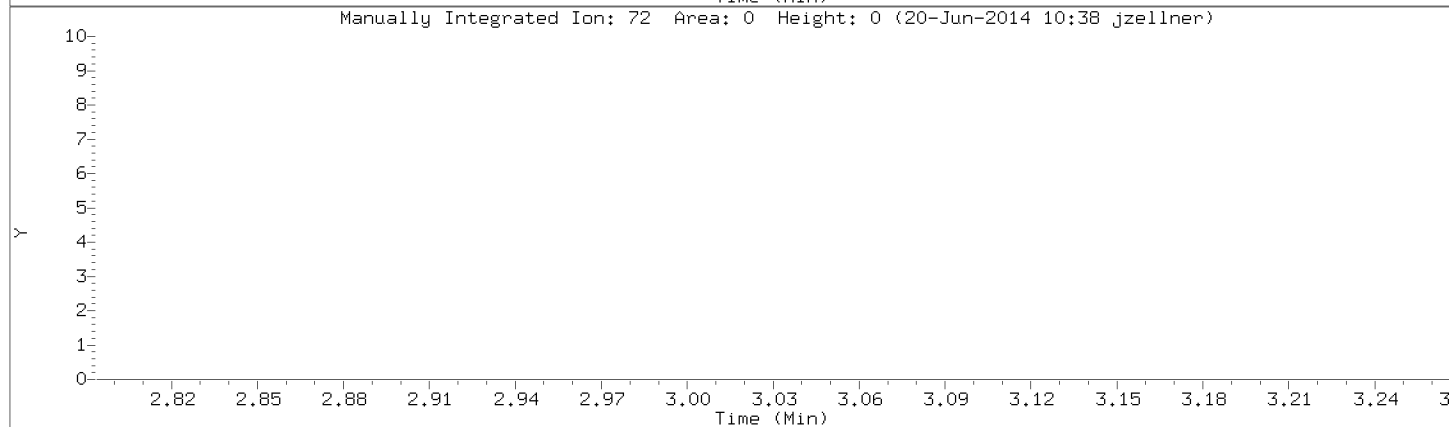
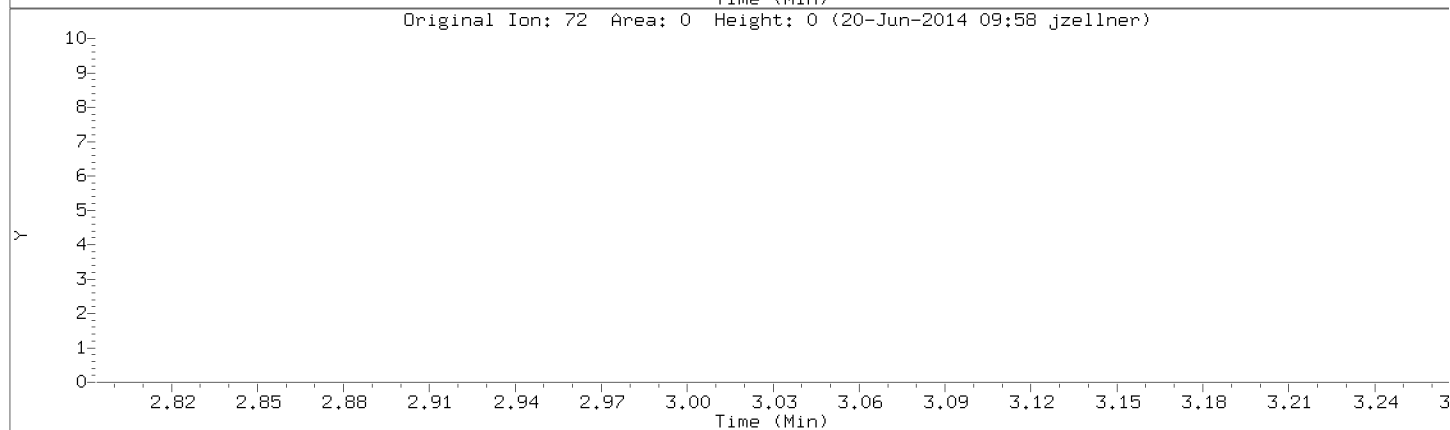
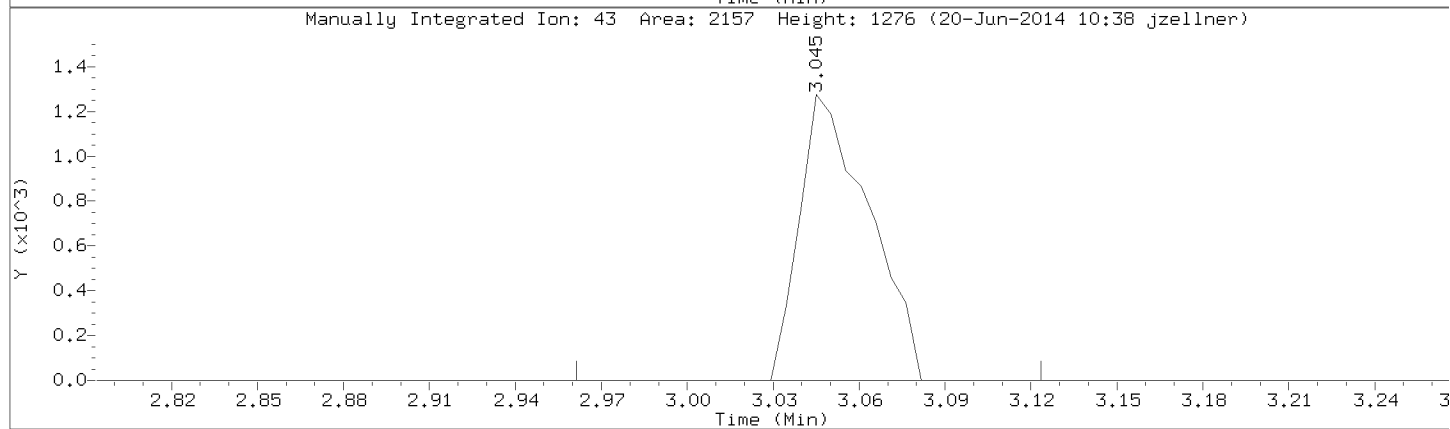
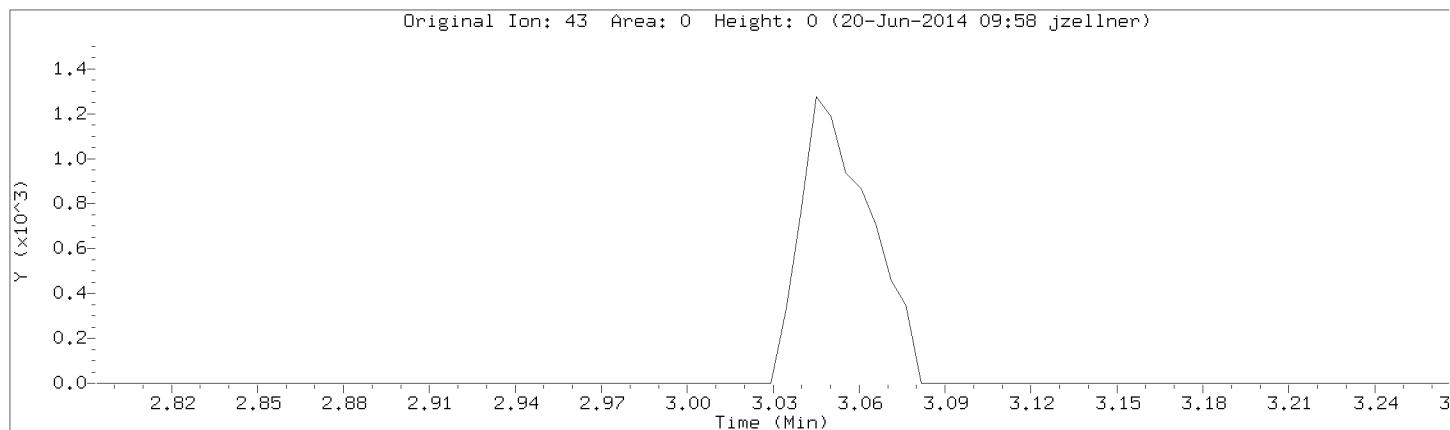
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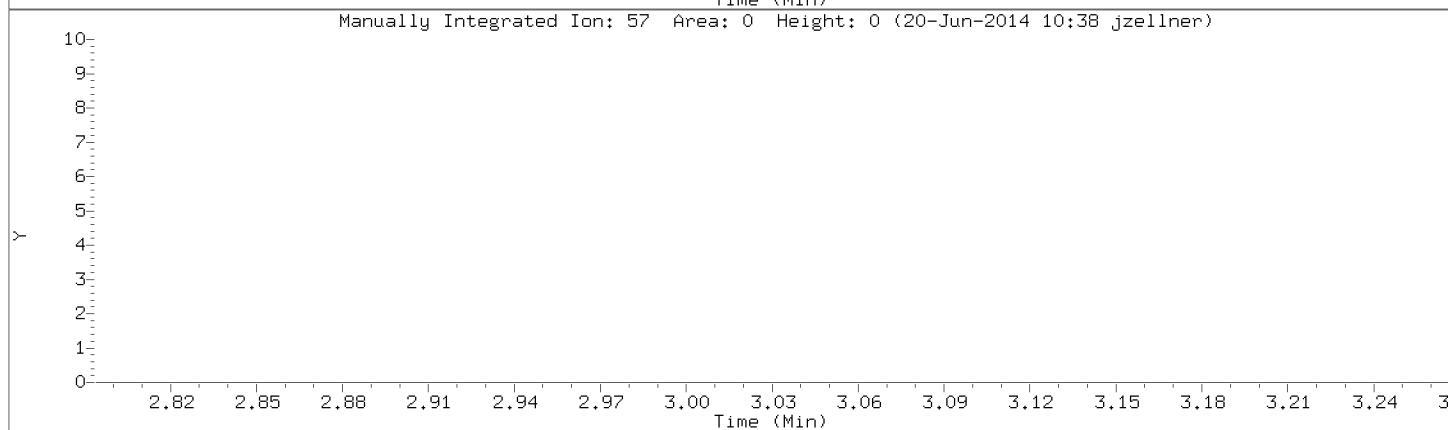
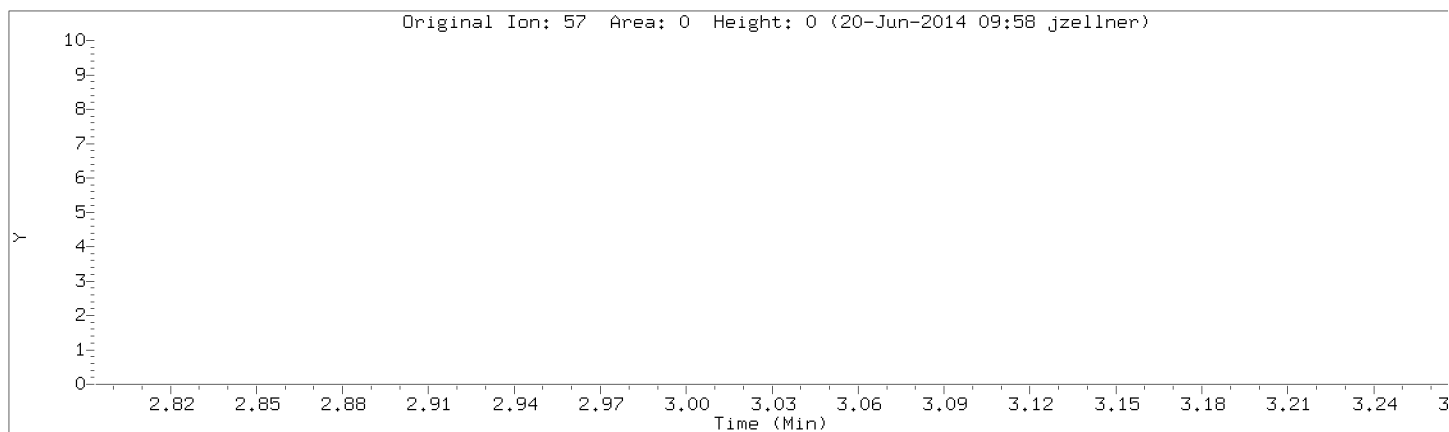
Lab Sample ID: 8260-CAL3,71099:0

Compound: 2-Butanone

CAS Number: 78-93-3



Data File: \\192.168.50.6\chem\50mv3a.i\a061914cal.b/a03cal.d
Injection Date: 19-JUN-2014 15:51
Instrument: 50mv3a.i
Lab Sample ID: 8260-CAL3,71099:0



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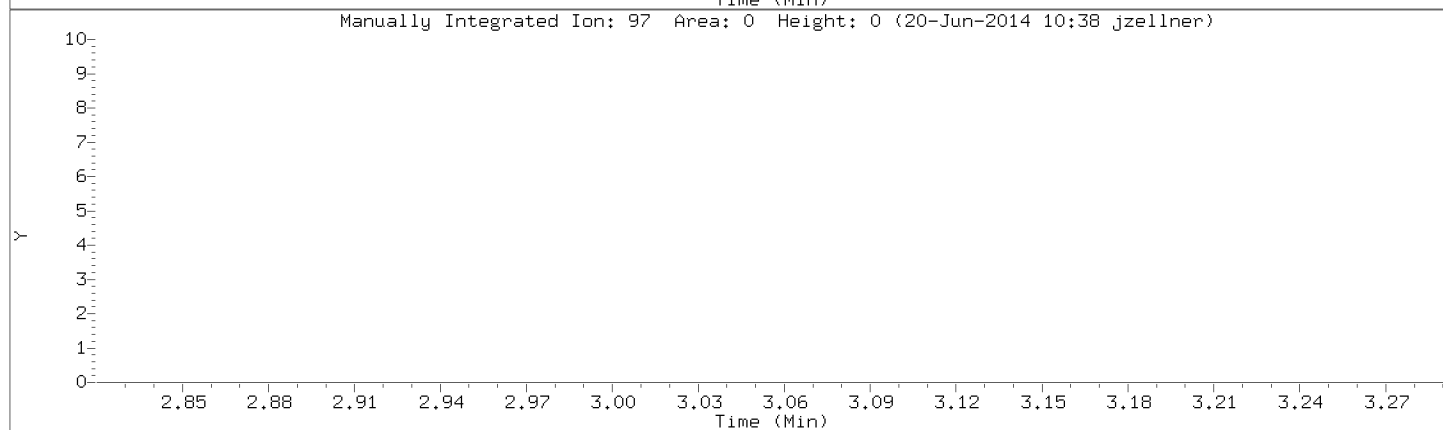
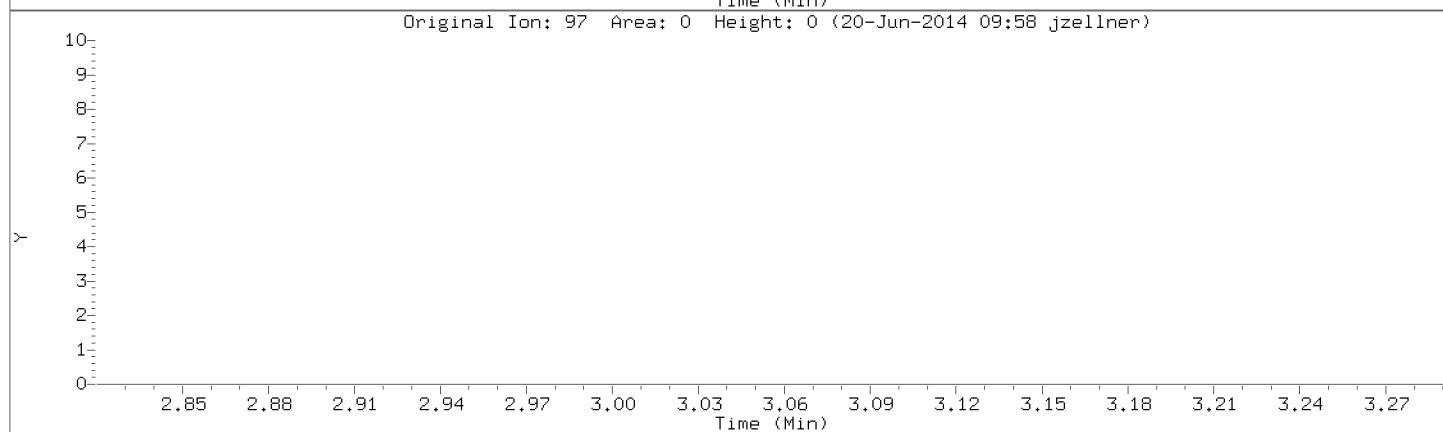
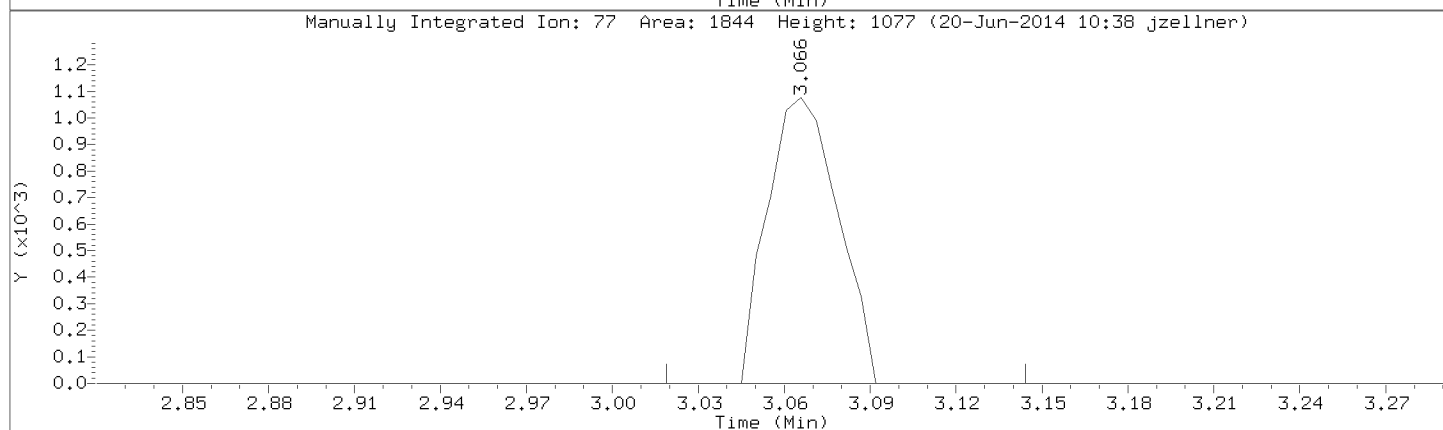
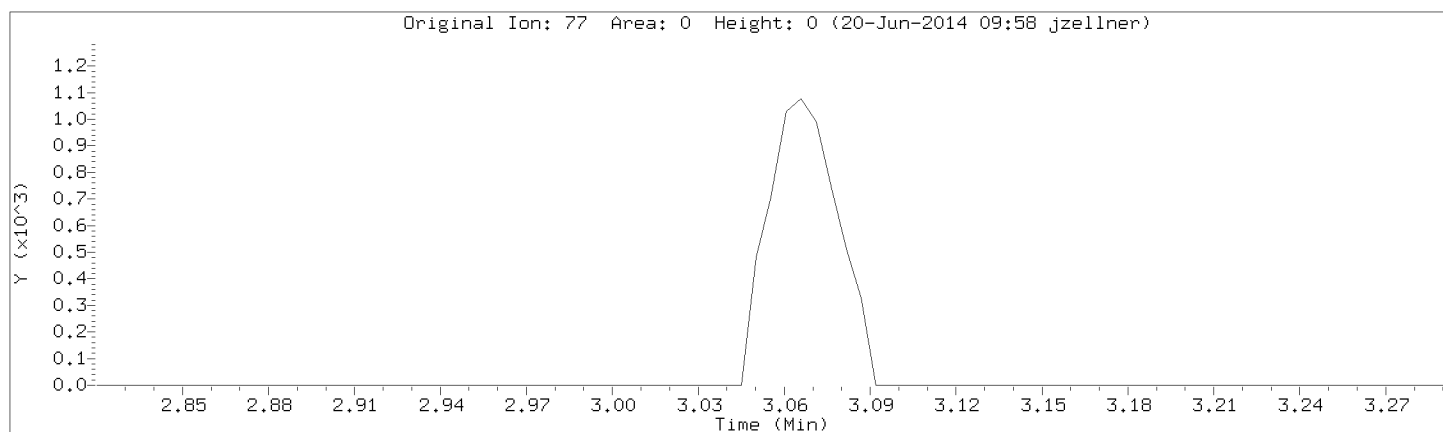
Injection Date: 19-JUN-2014 15:51

Instrument: 50mv3a.i

Lab Sample ID: 8260-CAL3,71099:0

Compound: 2,2-Dichloropropane

CAS Number: 594-20-7



Data File: \\192.168.50.6\chem\50mv3a.i\a061914cal.b/a03cal.d

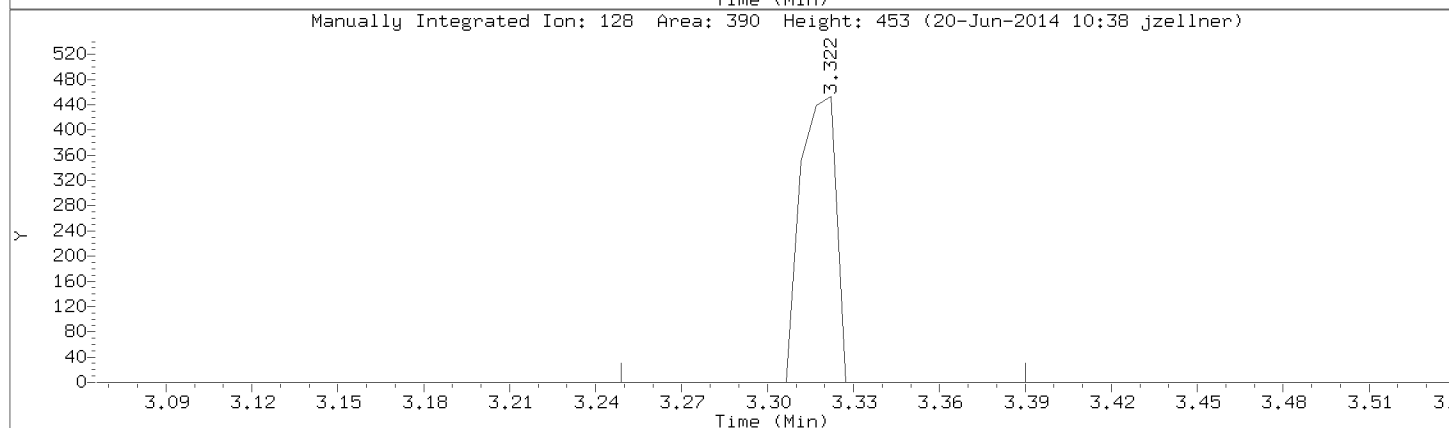
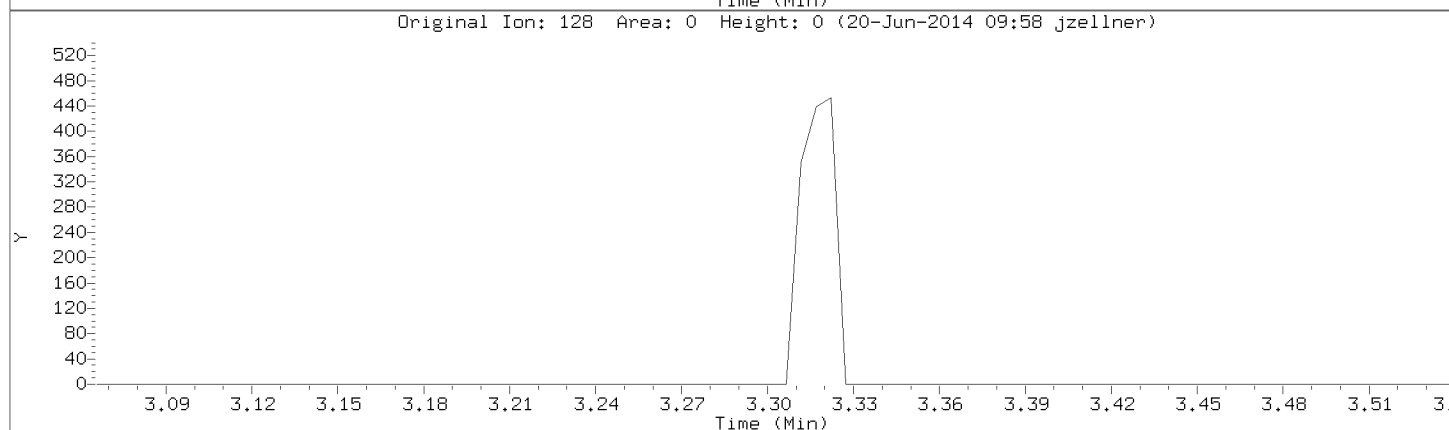
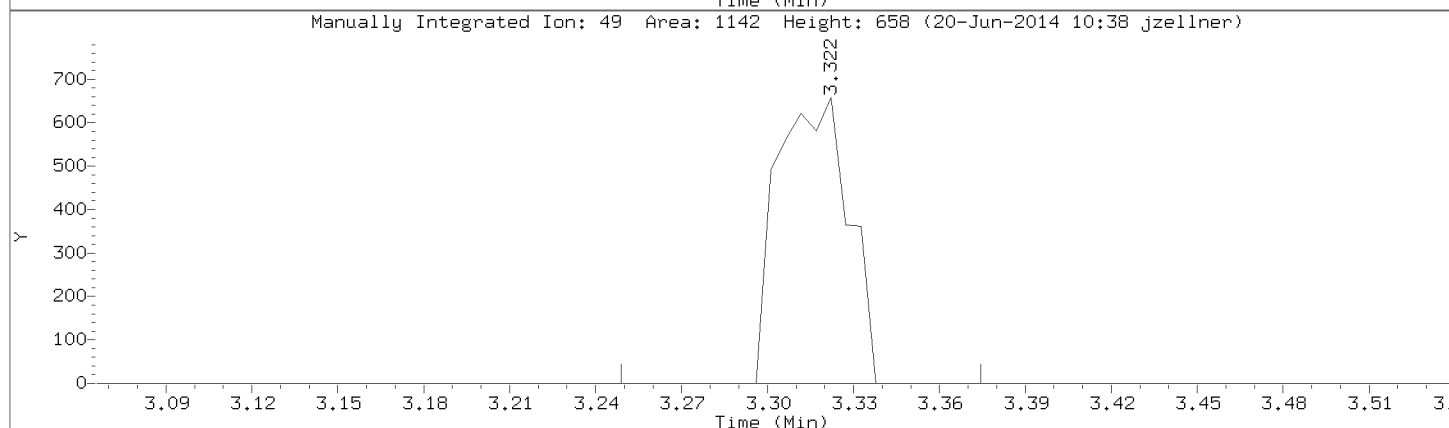
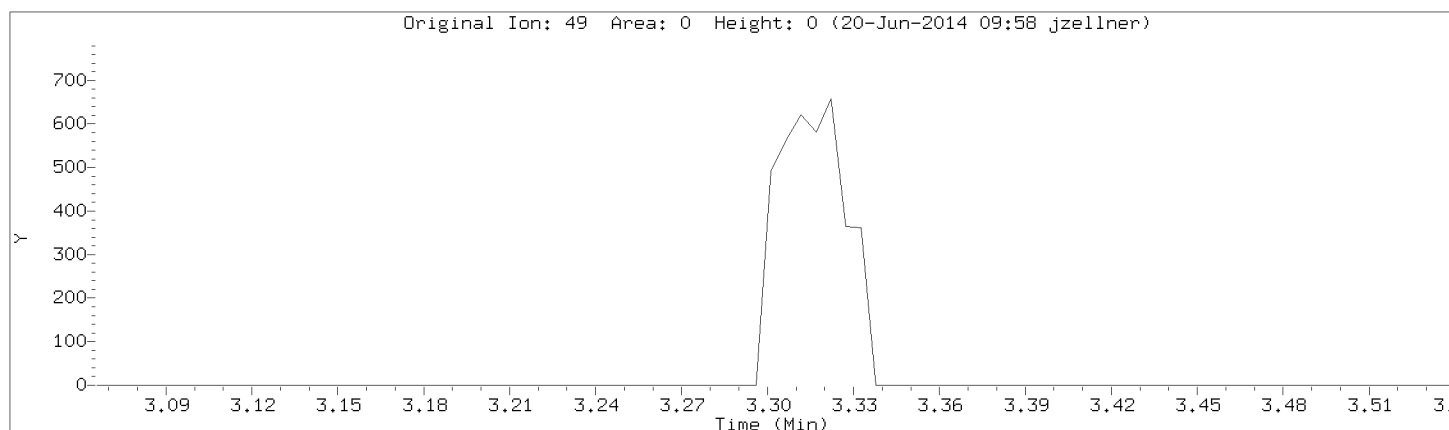
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Instrument: 50mv3a.i

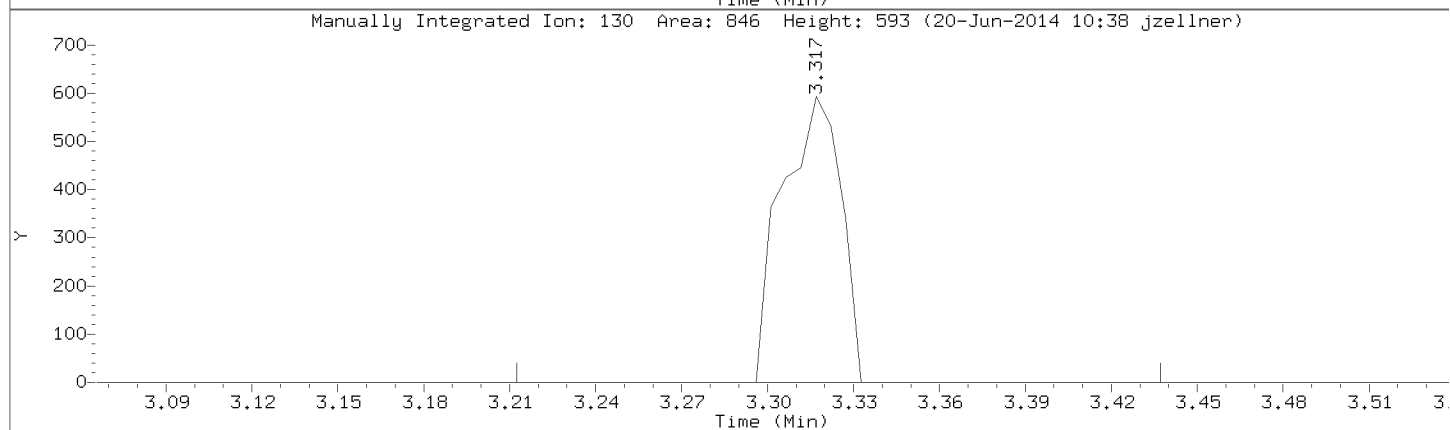
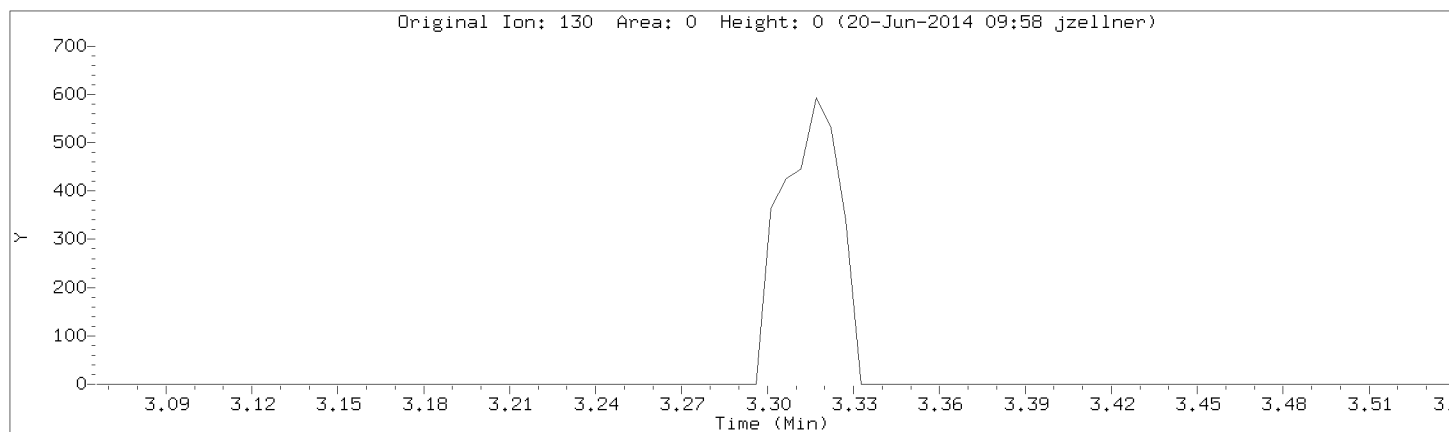
Lab Sample ID: 8260-CAL3,71099:0

Compound: Bromochloromethane

CAS Number: 74-97-5

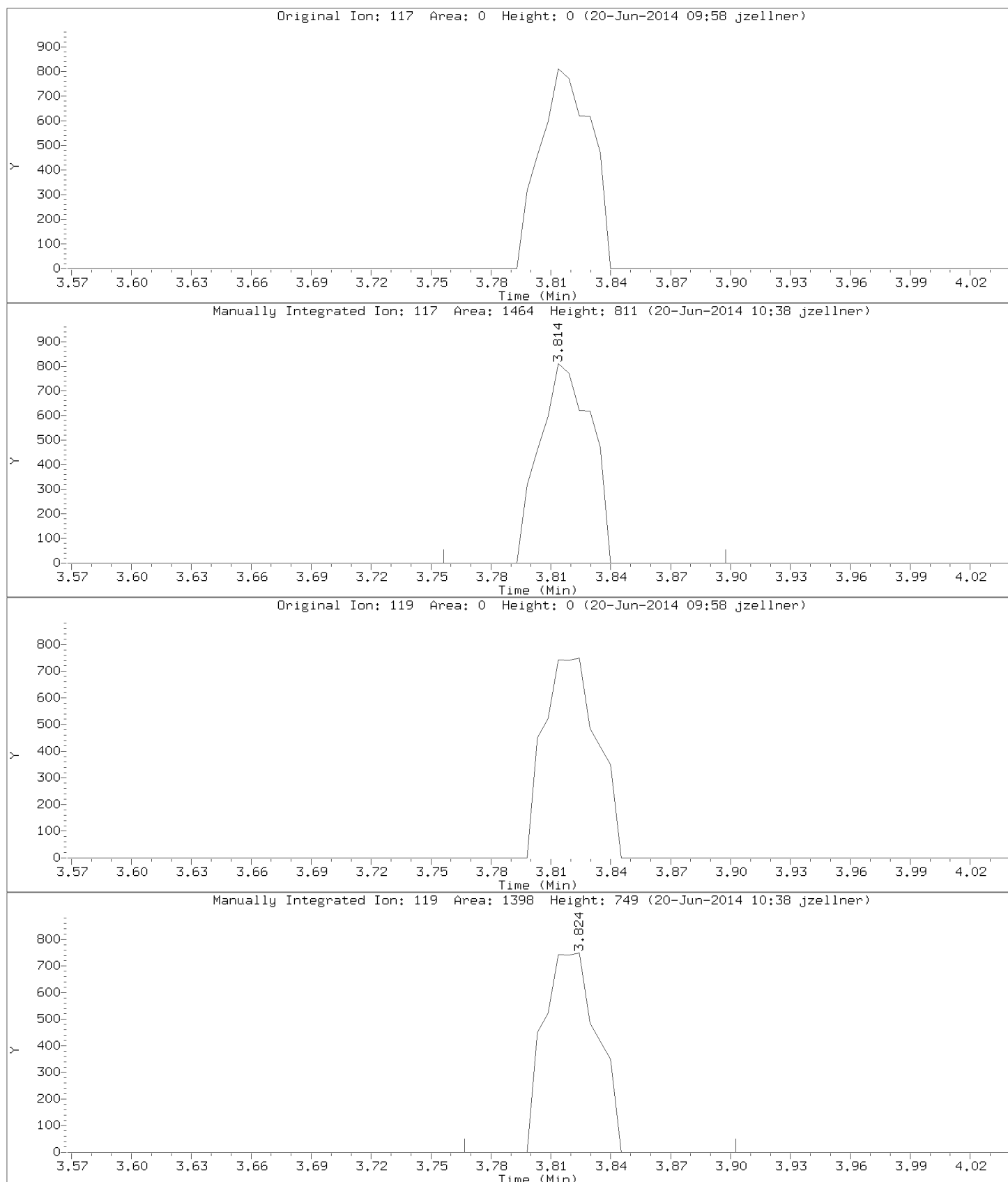


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Injection Date: 19-JUN-2014 15:51
Instrument: 50mv3a.i
Lab Sample ID: 8260-CAL3,71099:0



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Injection Date: 19-JUN-2014 15:51
Instrument: 50mv3a.i
Lab Sample ID: 8260-CAL3,71099:0

Compound: Carbon Tetrachloride
CAS Number: 56-23-5

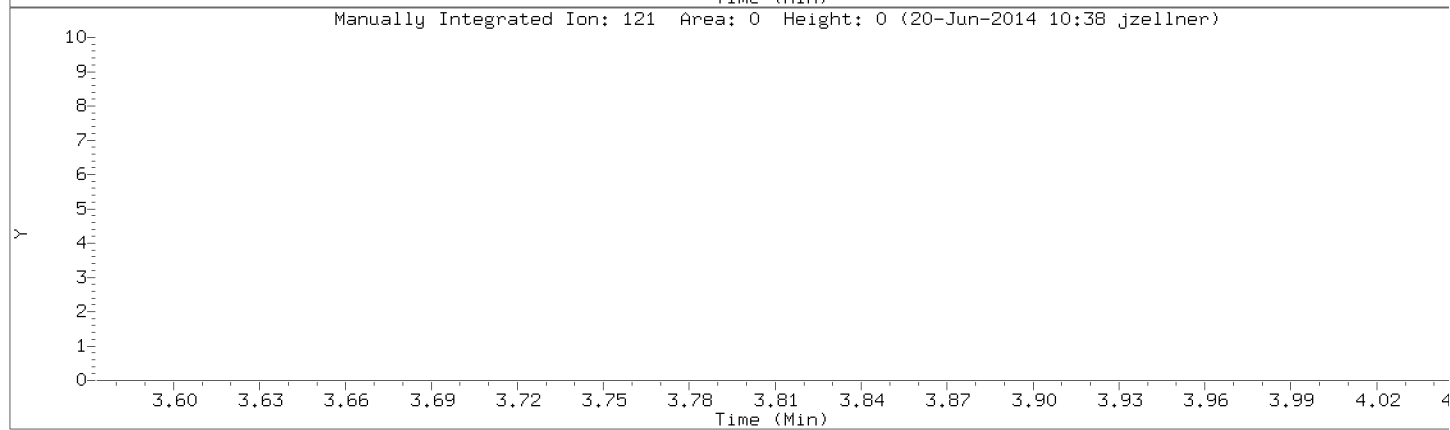
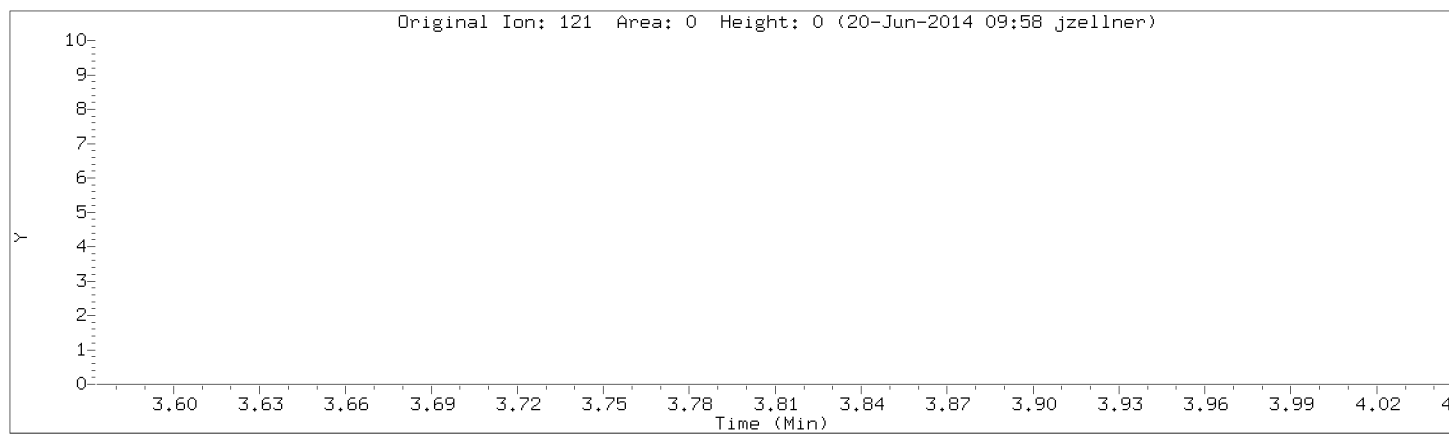


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Injection Date: 19-JUN-2014 15:51

Instrument: 50mv3a.i

Lab Sample ID: 8260-CAL3,71099:0



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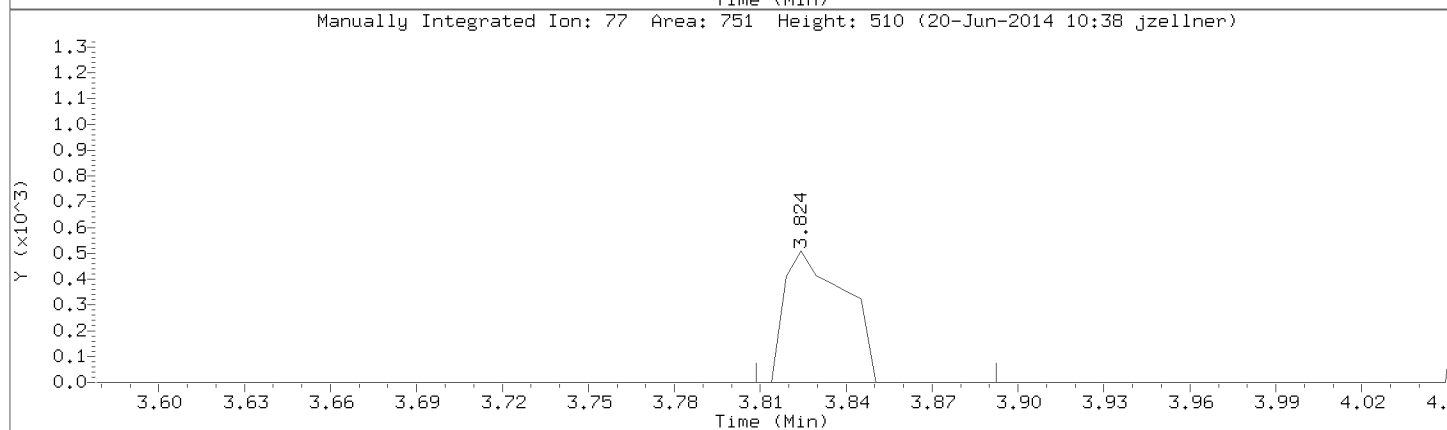
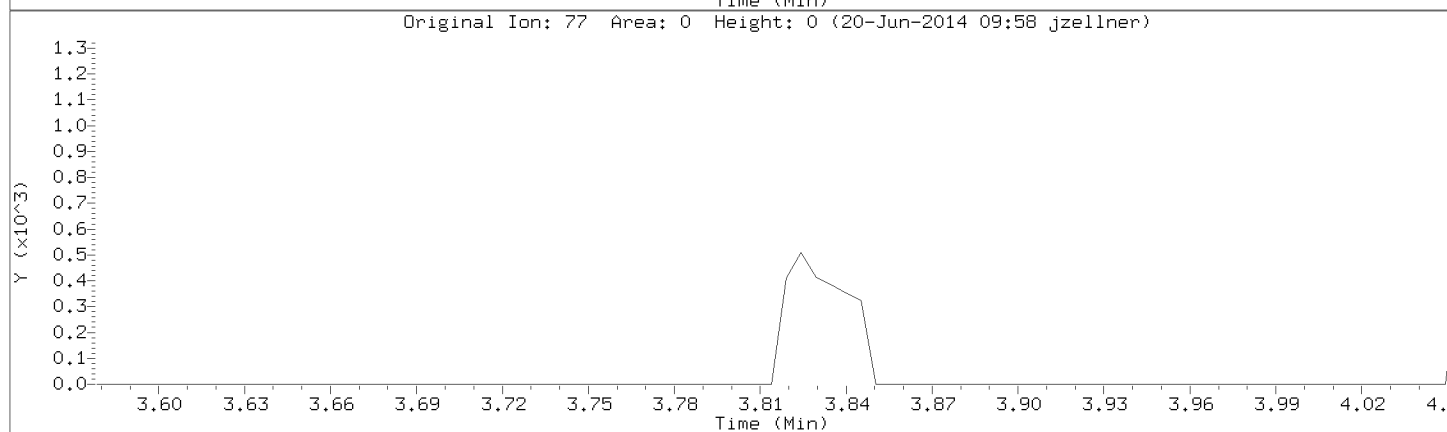
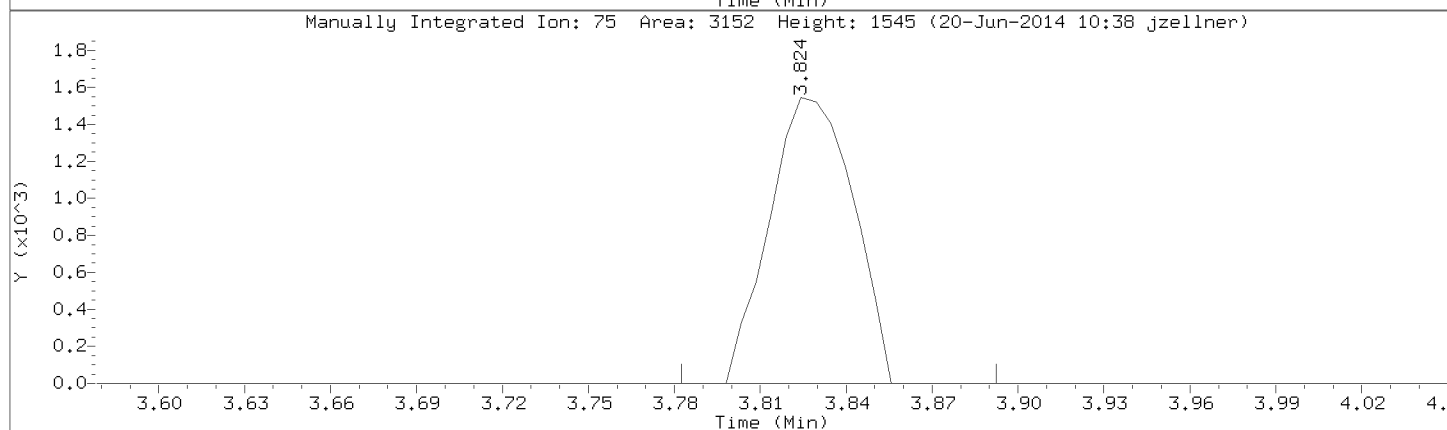
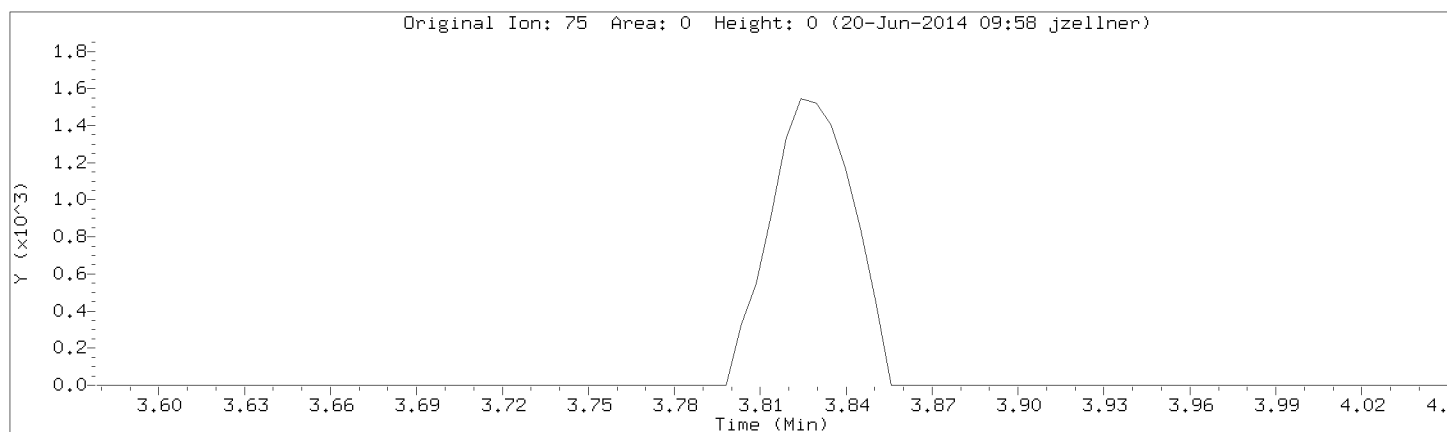
Injection Date: 19-JUN-2014 15:51

Instrument: 50mv3a.i

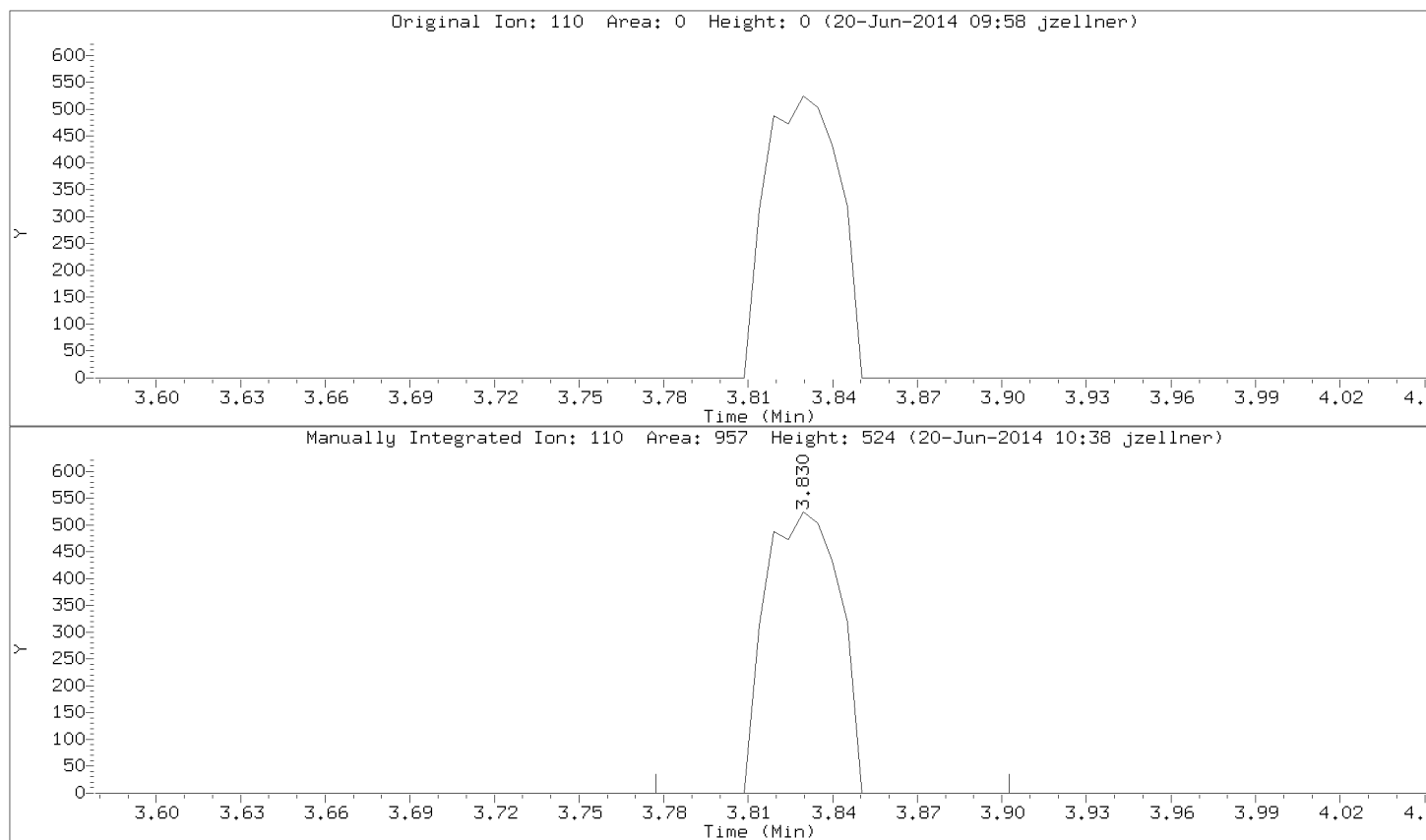
Lab Sample ID: 8260-CAL3,71099:0

Compound: 1,1-Dichloropropene

CAS Number: 563-58-6



Data File: \\192.168.50.6\chem\50mv3a.i\a061914cal.b/a03cal.d
Injection Date: 19-JUN-2014 15:51
Instrument: 50mv3a.i
Lab Sample ID: 8260-CAL3,71099:0



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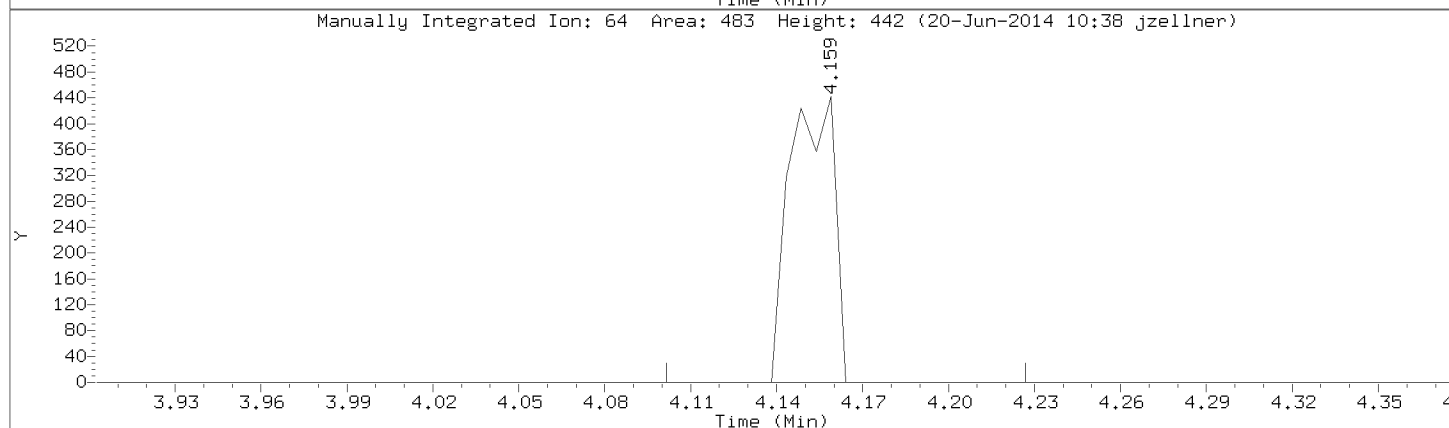
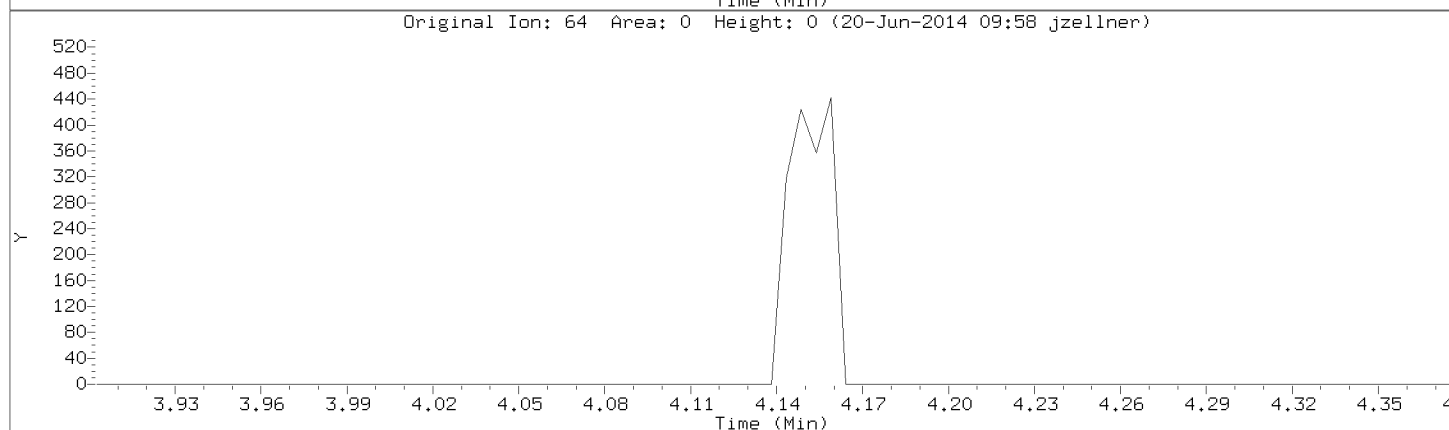
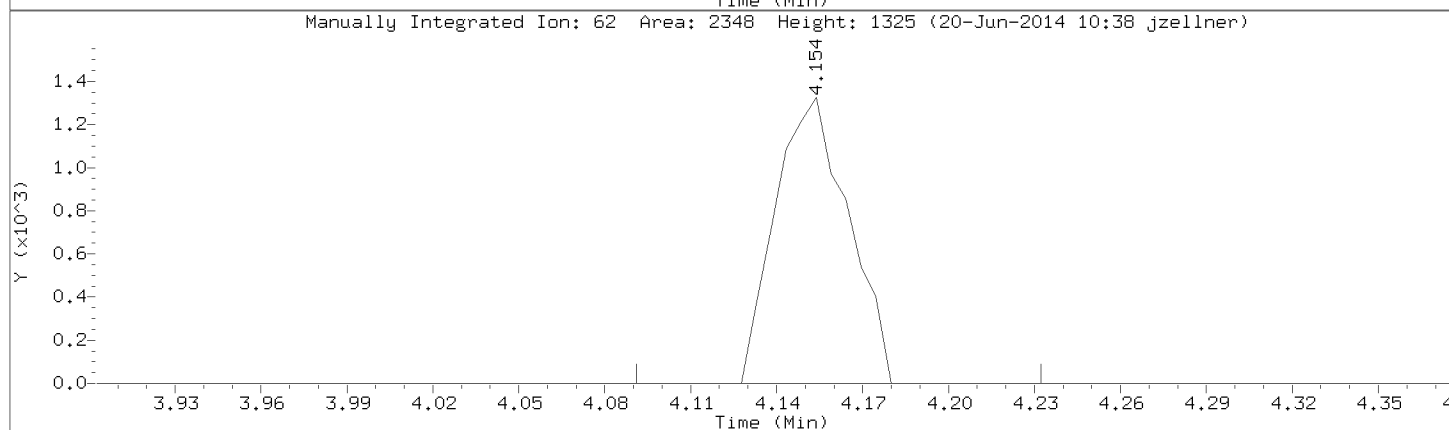
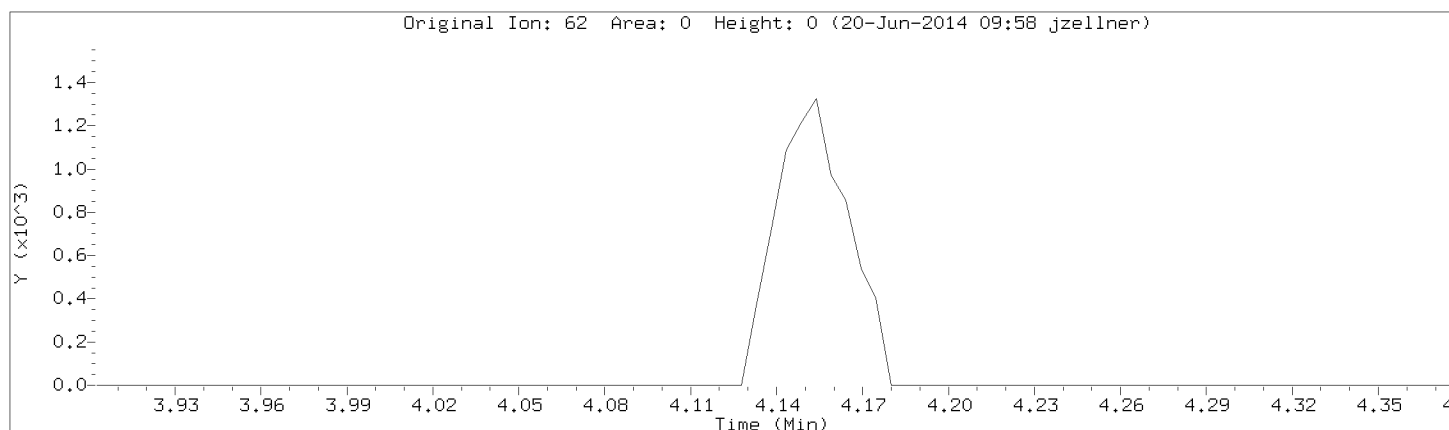
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Instrument: 50mv3a.i

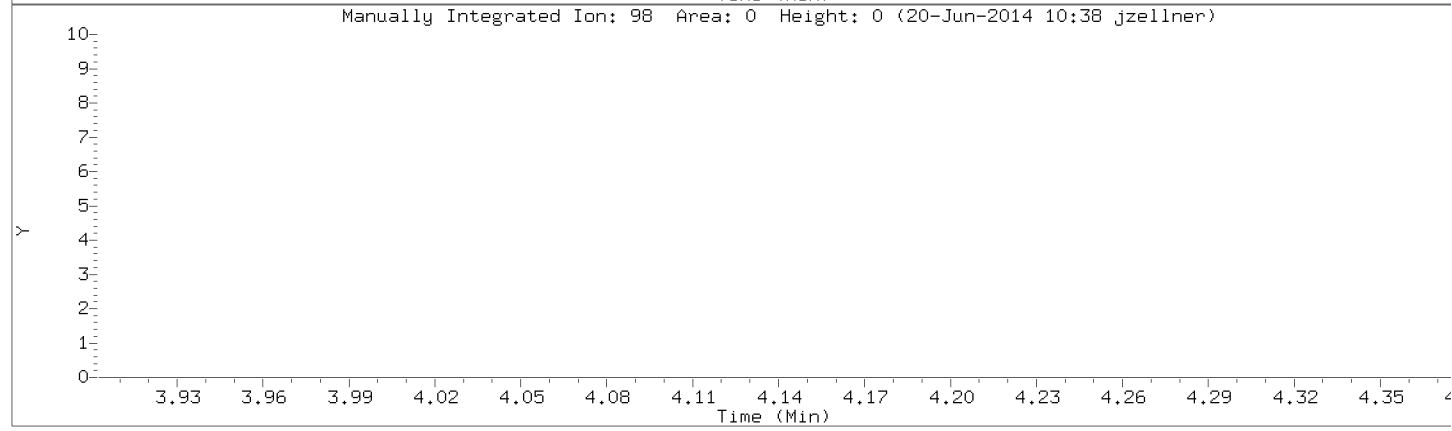
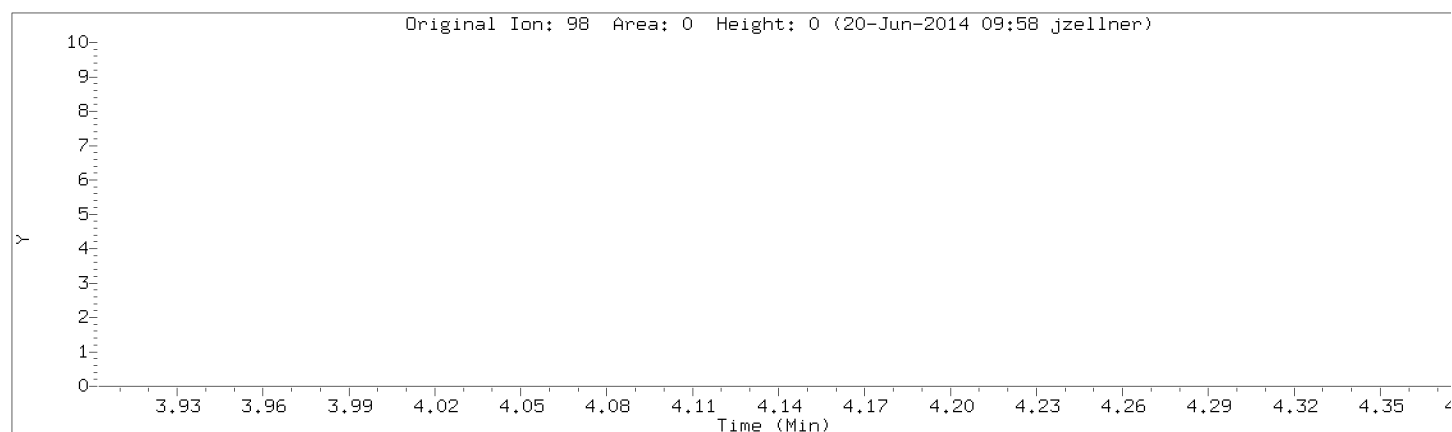
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Compound: 1,2-Dichloroethane

CAS Number: 107-06-2

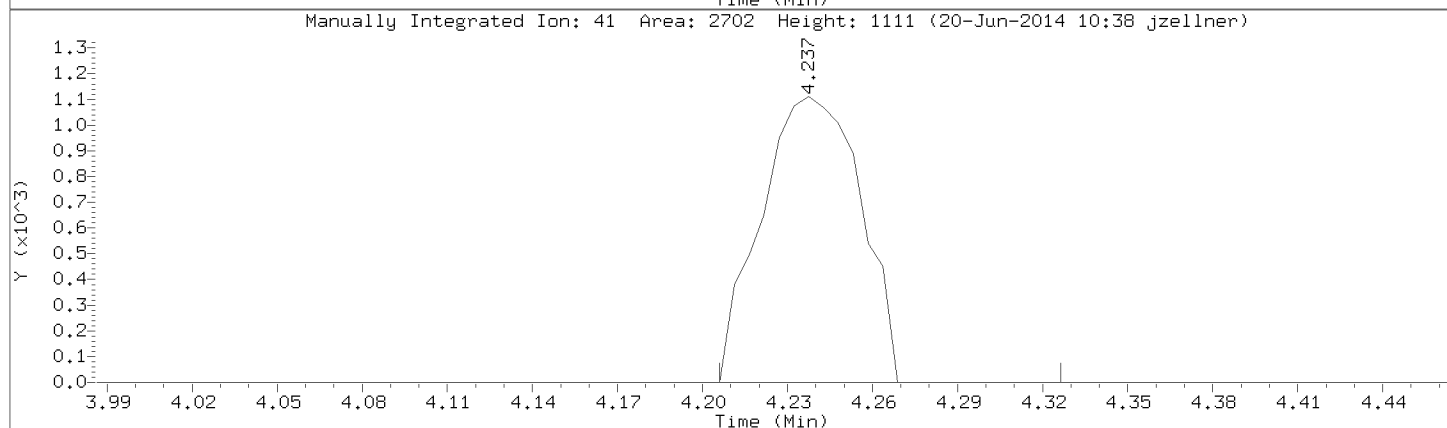
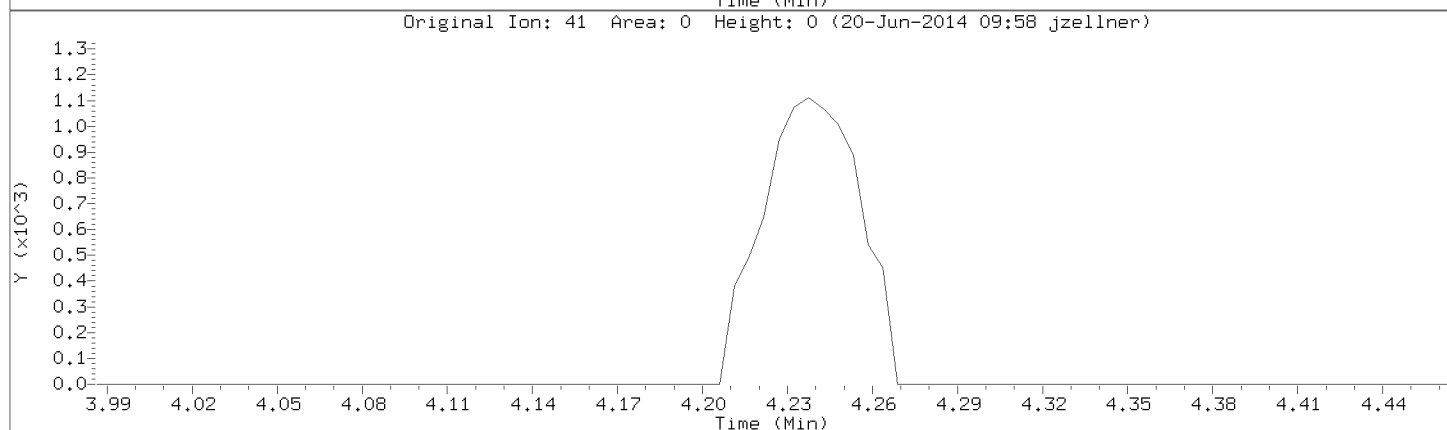
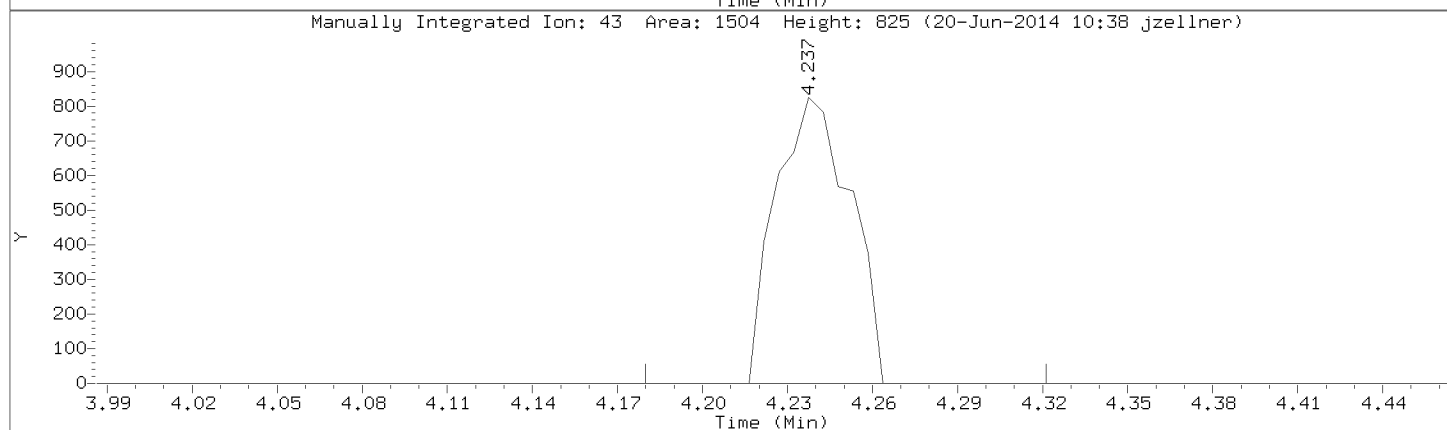
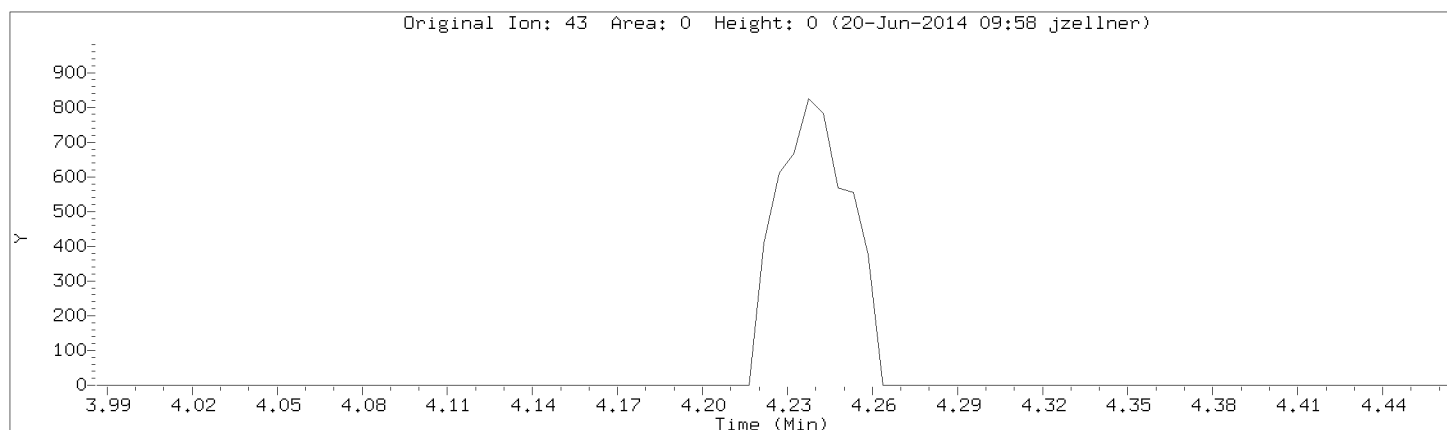


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Lab Sample ID: 8260-CAL3,71099:0

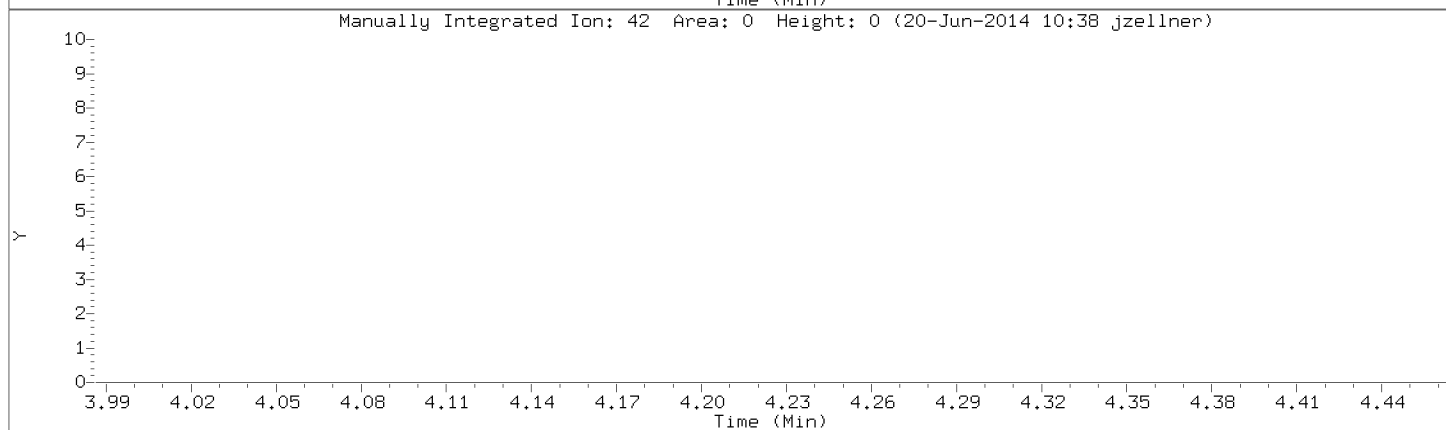
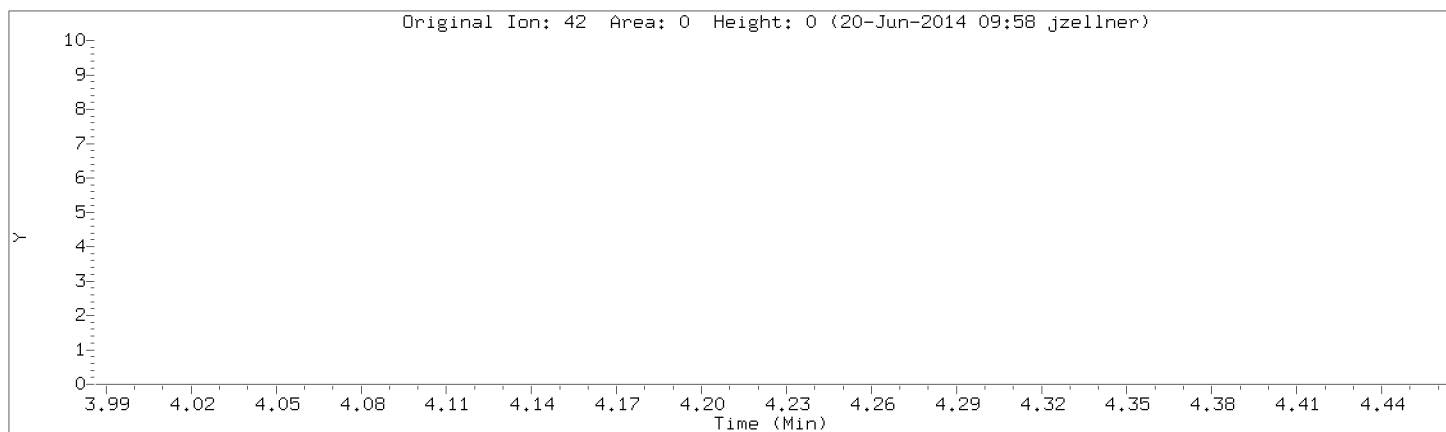


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Injection Date: 19-JUN-2014 15:51
Instrument: 50mv3a.i
Lab Sample ID: 8260-CAL3,71099:0

Compound: Isobutyl alcohol
CAS Number: 78-83-1

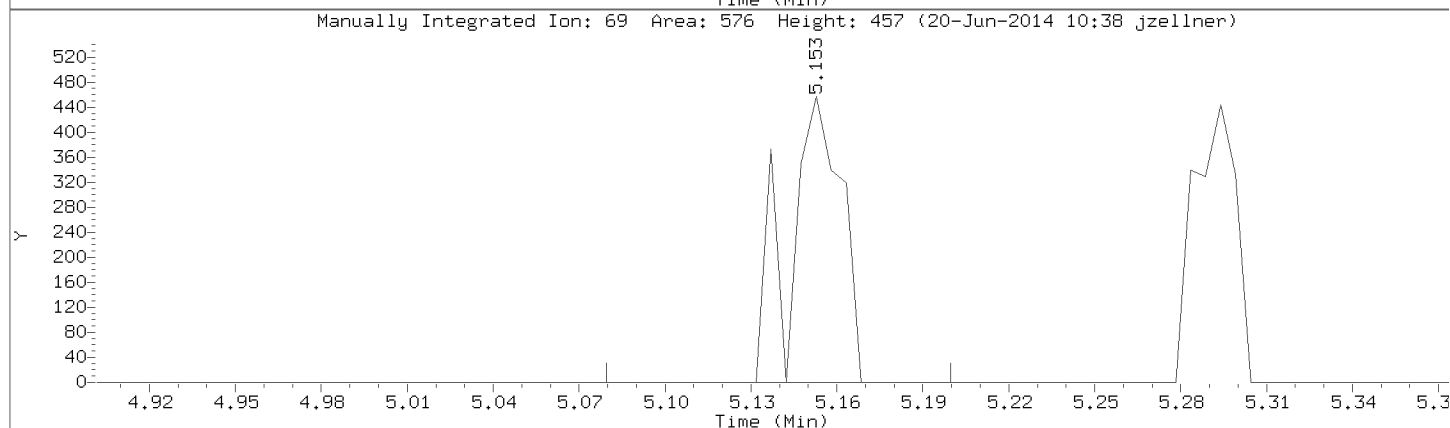
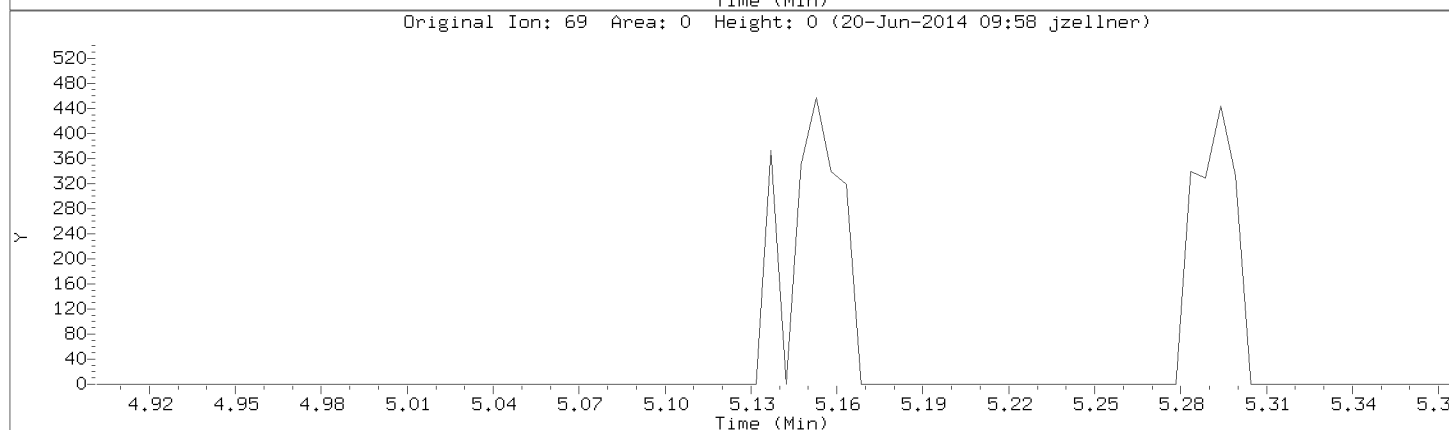
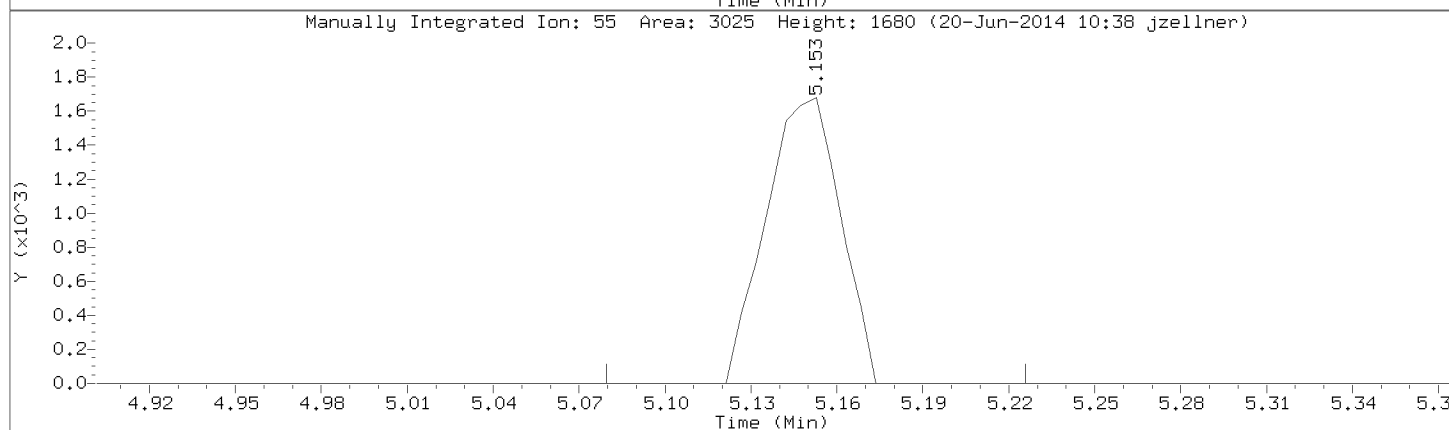
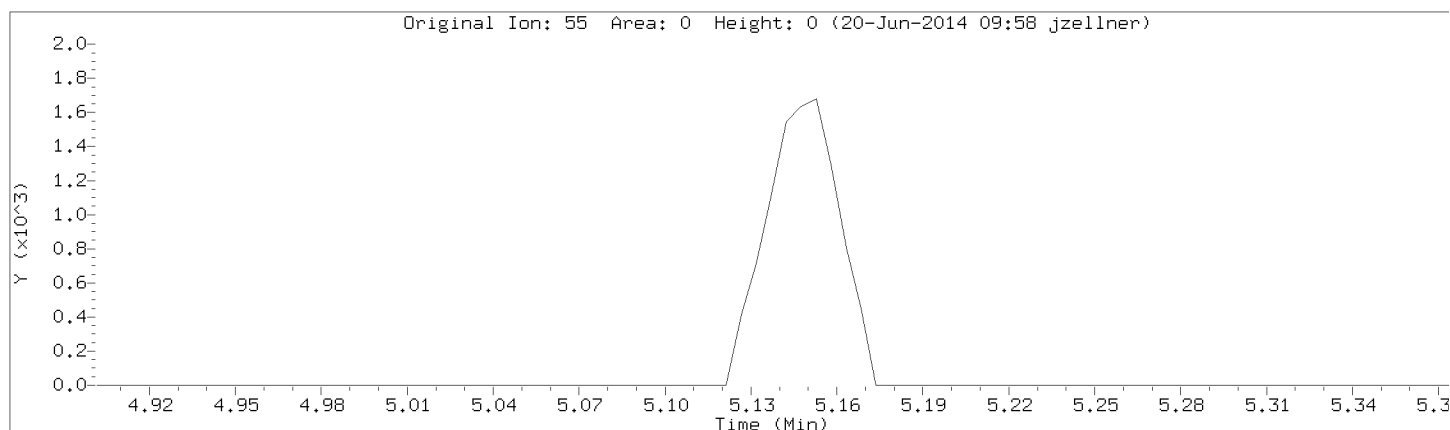


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Lab Sample ID: 8260-CAL3,71099:0

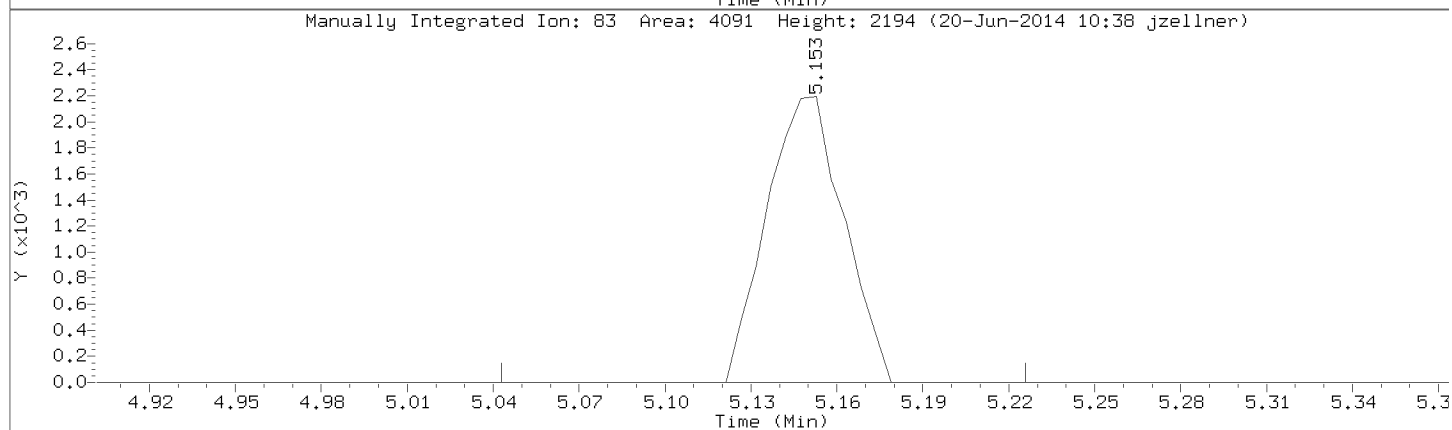
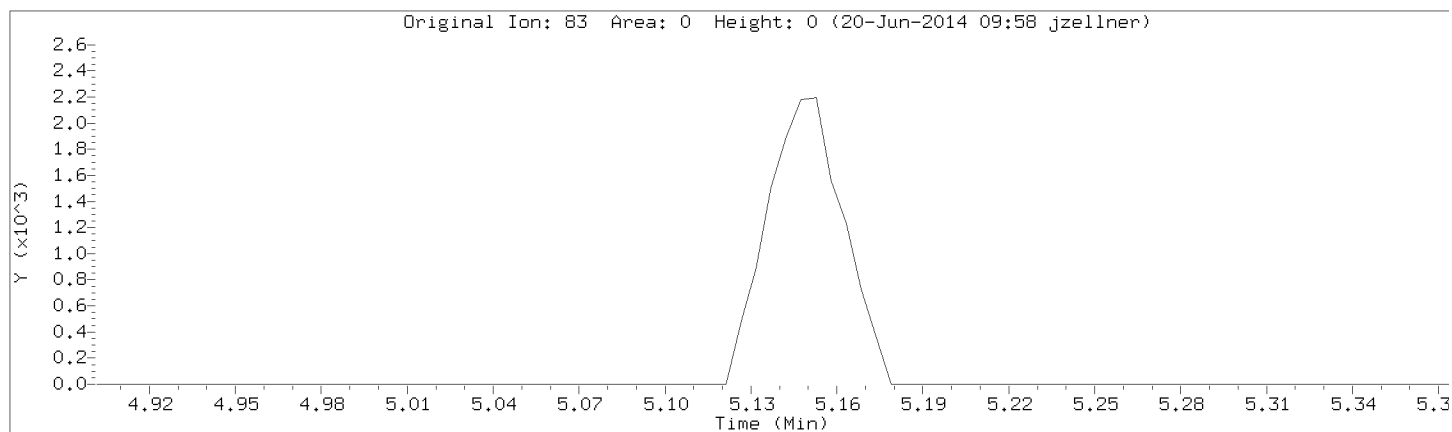


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Injection Date: 19-JUN-2014 15:51
Instrument: 50mv3a.i
Lab Sample ID: 8260-CAL3,71099:0

Compound: Methylcyclohexane
CAS Number: 108-87-2



Data File: \\192.168.50.6\chem\50mv3a.i\a061914cal.b/a03cal.d
Injection Date: 19-JUN-2014 15:51
Instrument: 50mv3a.i
Lab Sample ID: 8260-CAL3,71099:0



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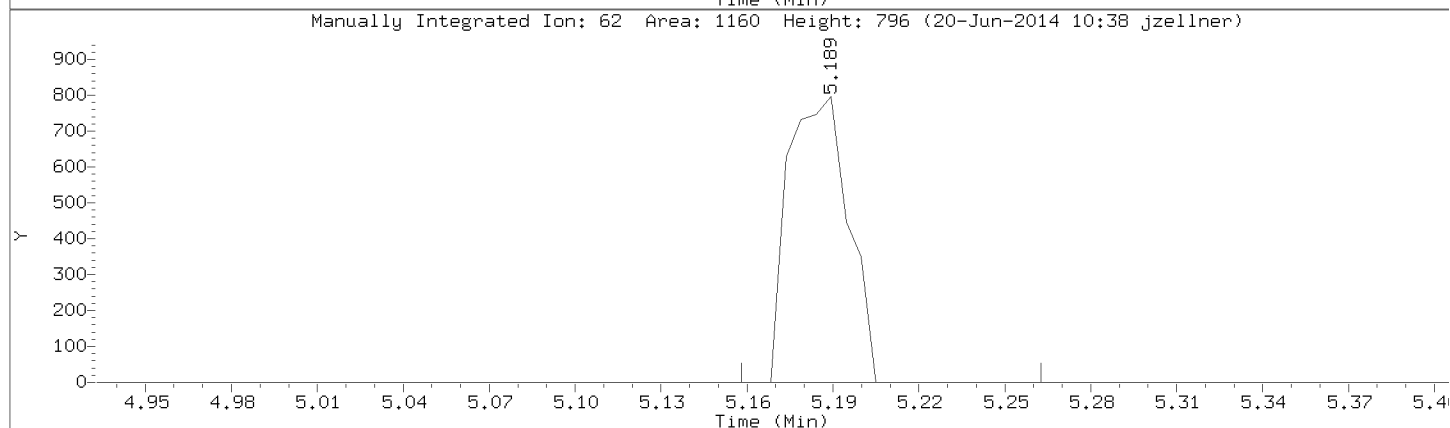
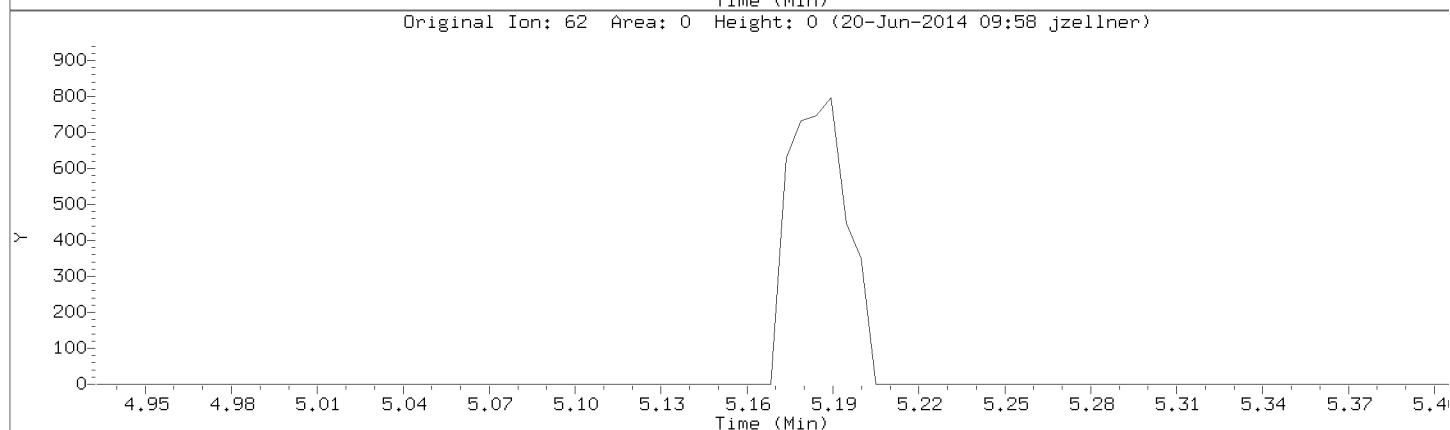
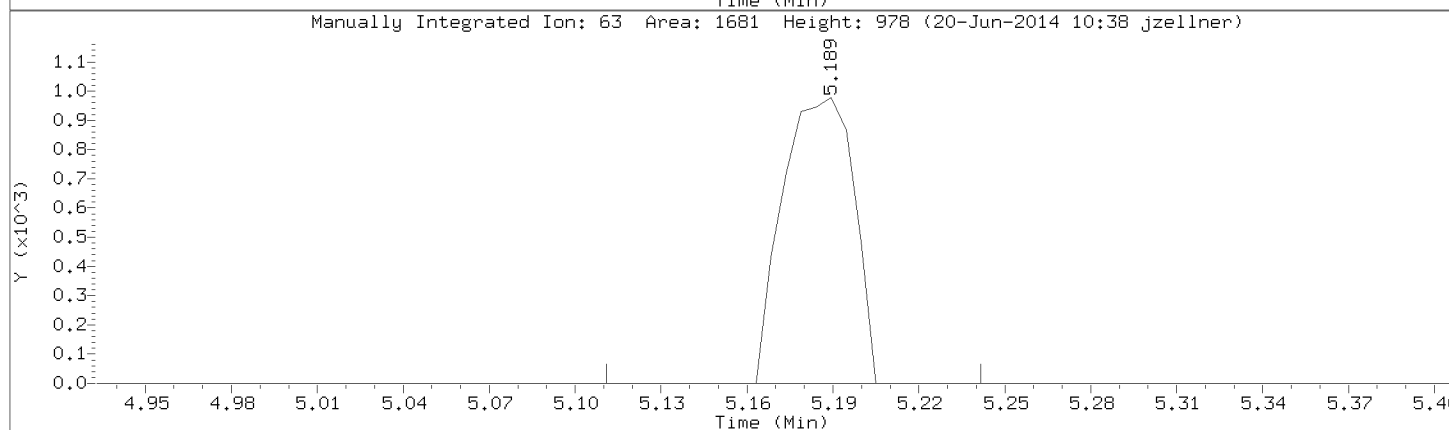
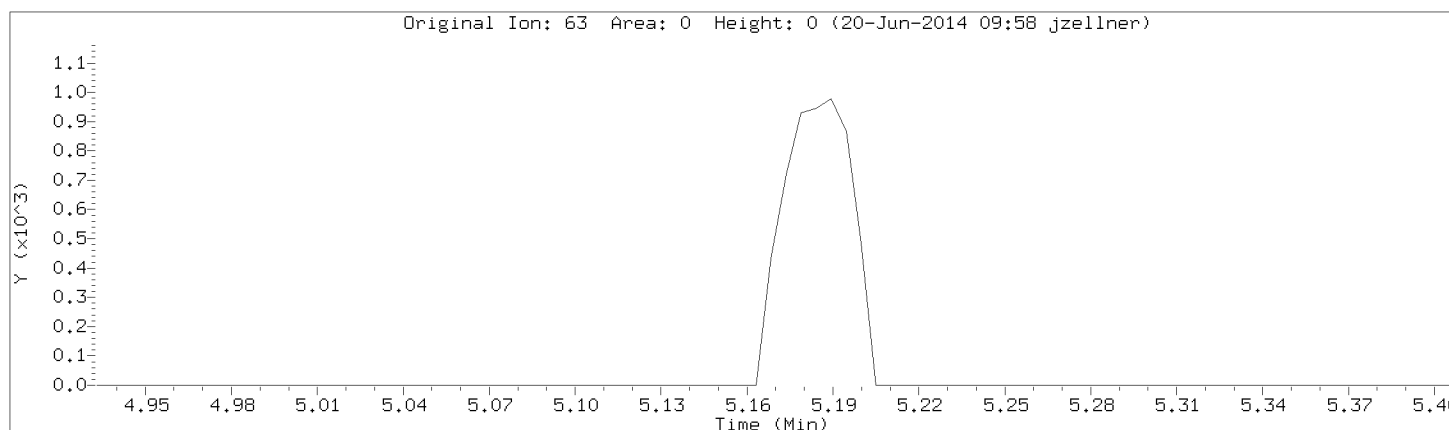
Injection Date: 19-JUN-2014 15:51

Instrument: 50mv3a.i

Lab Sample ID: 8260-CAL3,71099:0

Compound: 1,2-Dichloropropane

CAS Number: 78-87-5

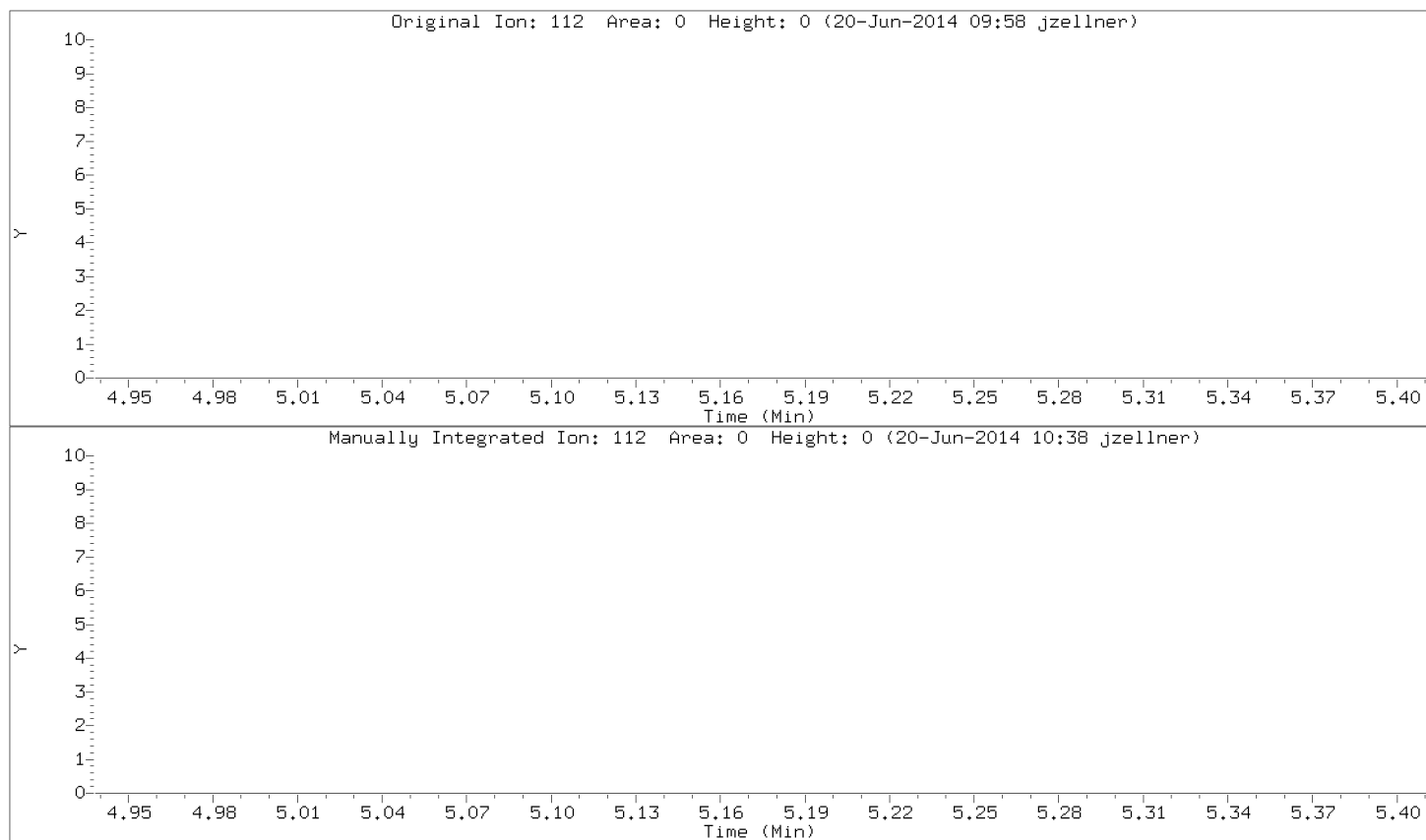


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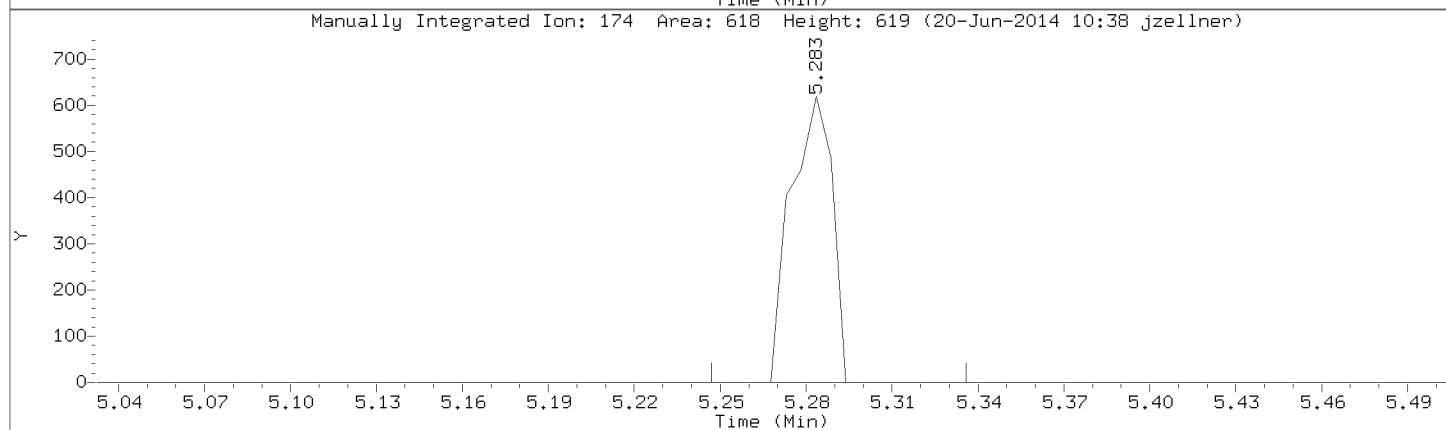
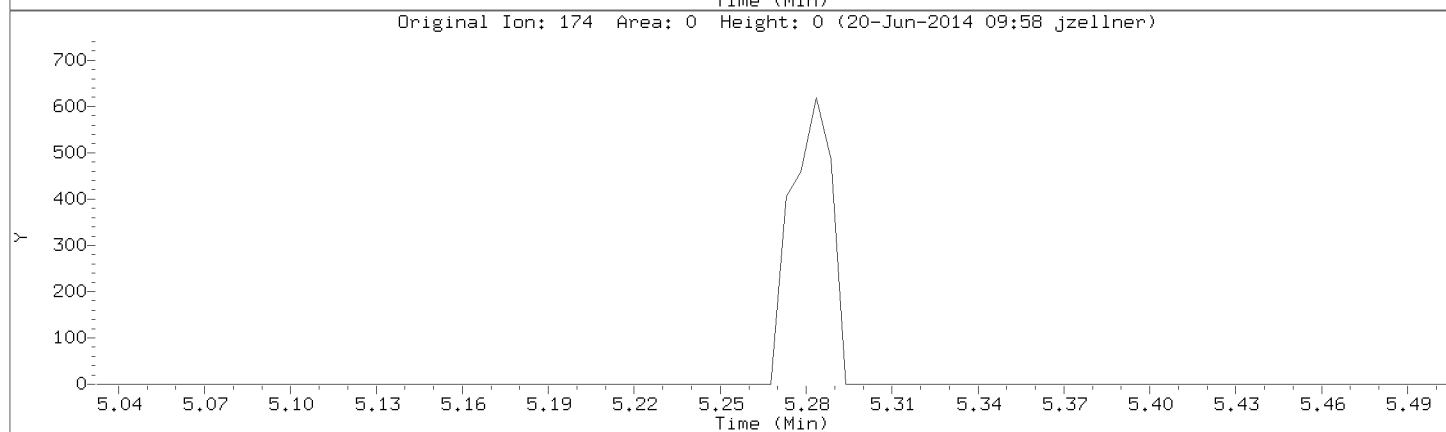
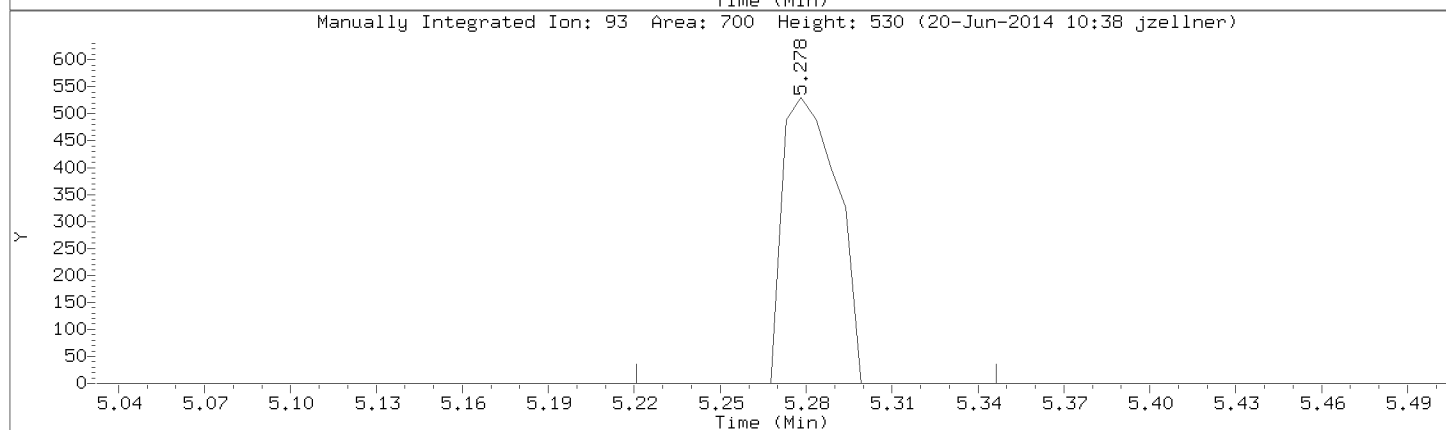
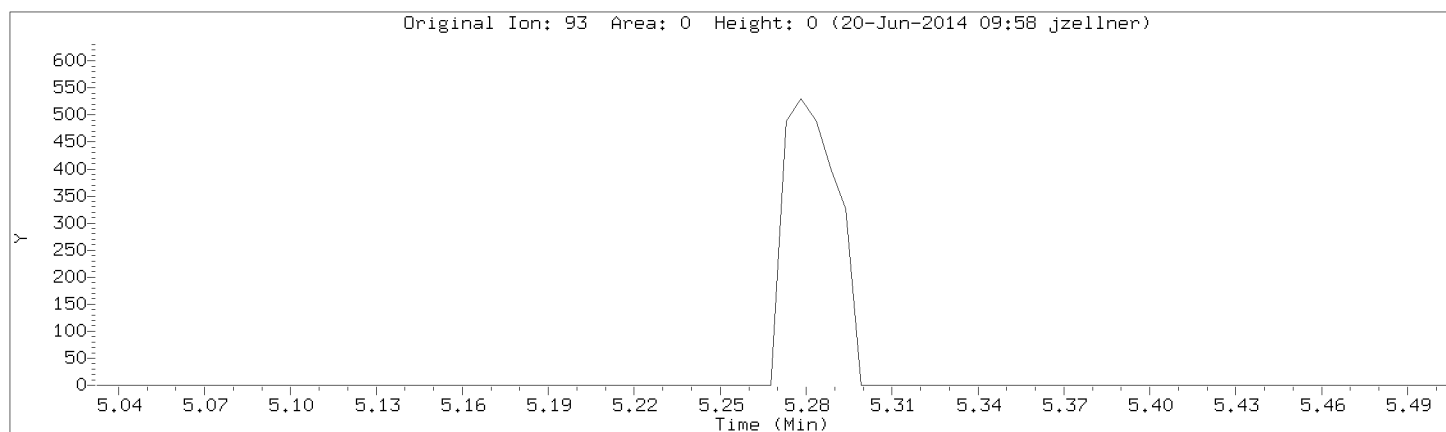
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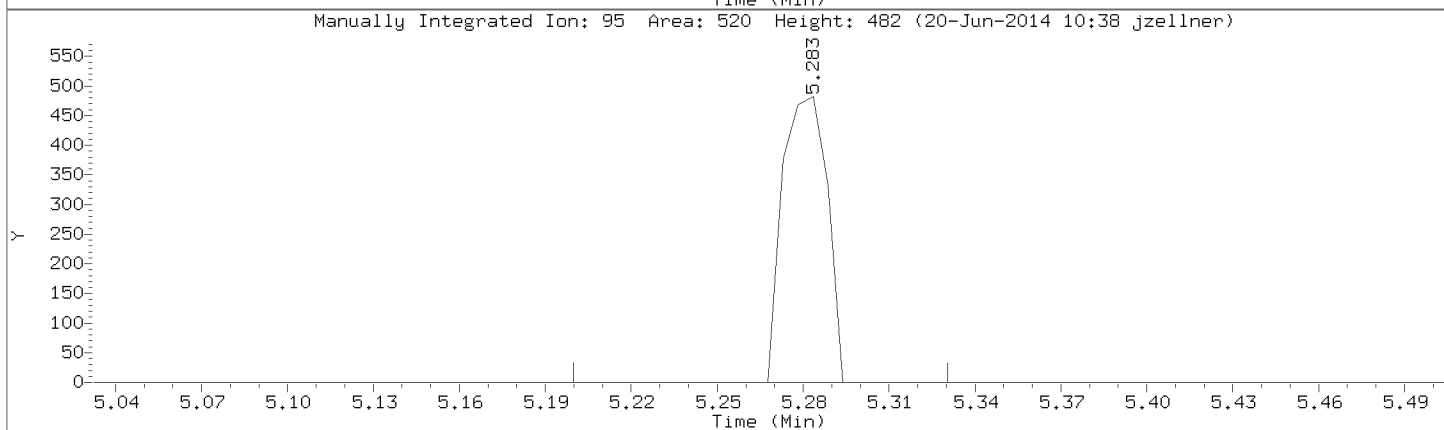
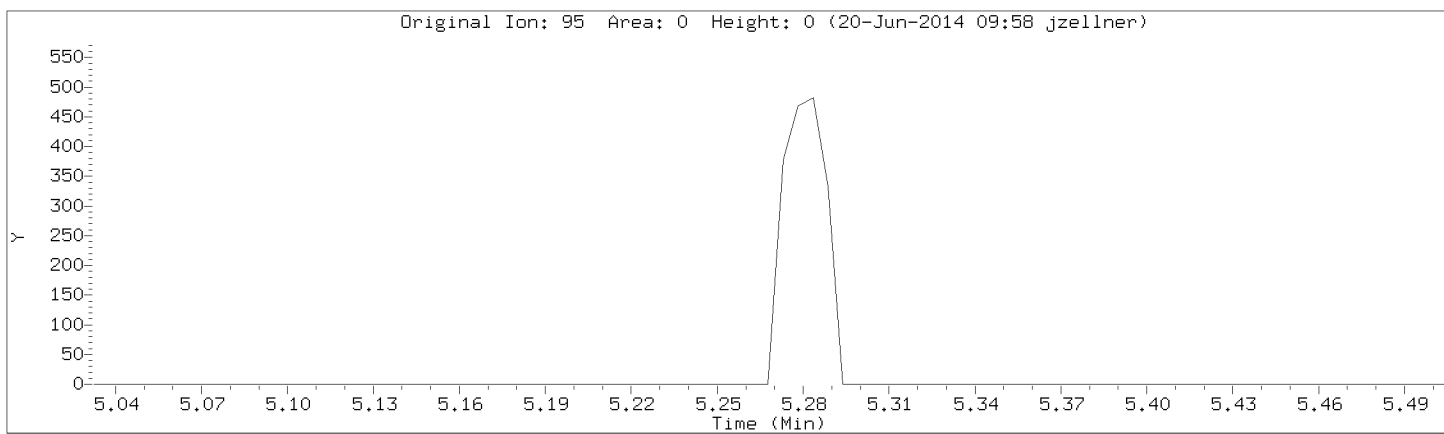


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Injection Date: 19-JUN-2014 15:51
Instrument: 50mv3a.i
Lab Sample ID: 8260-CAL3,71099:0

Compound: Dibromomethane
CAS Number: 74-95-3



Data File: \\192.168.50.6\chem\50mv3a.i\a061914cal.b/a03cal.d
Injection Date: 19-JUN-2014 15:51
Instrument: 50mv3a.i
Lab Sample ID: 8260-CAL3,71099:0



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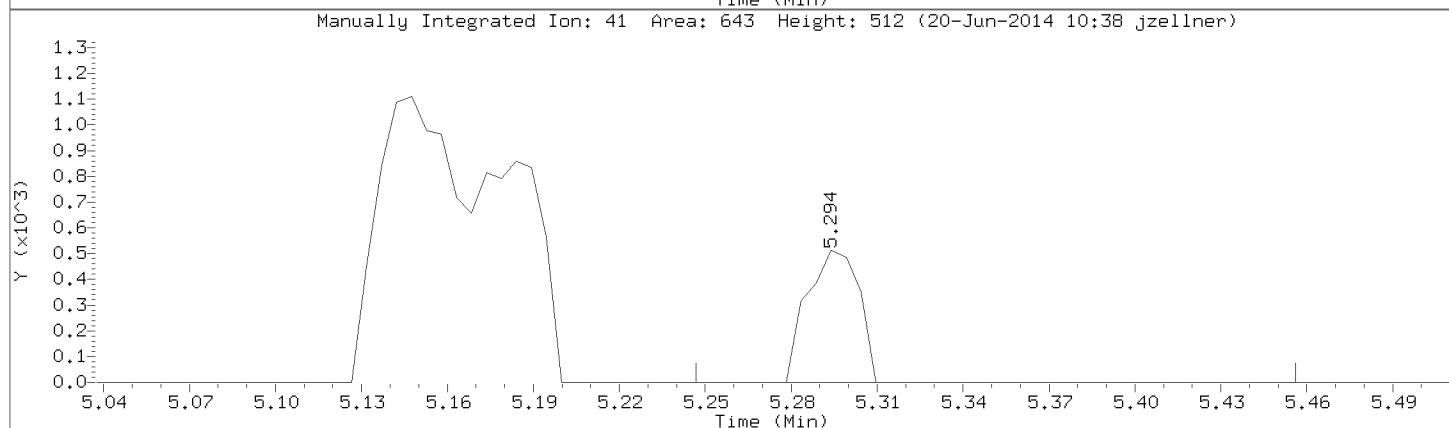
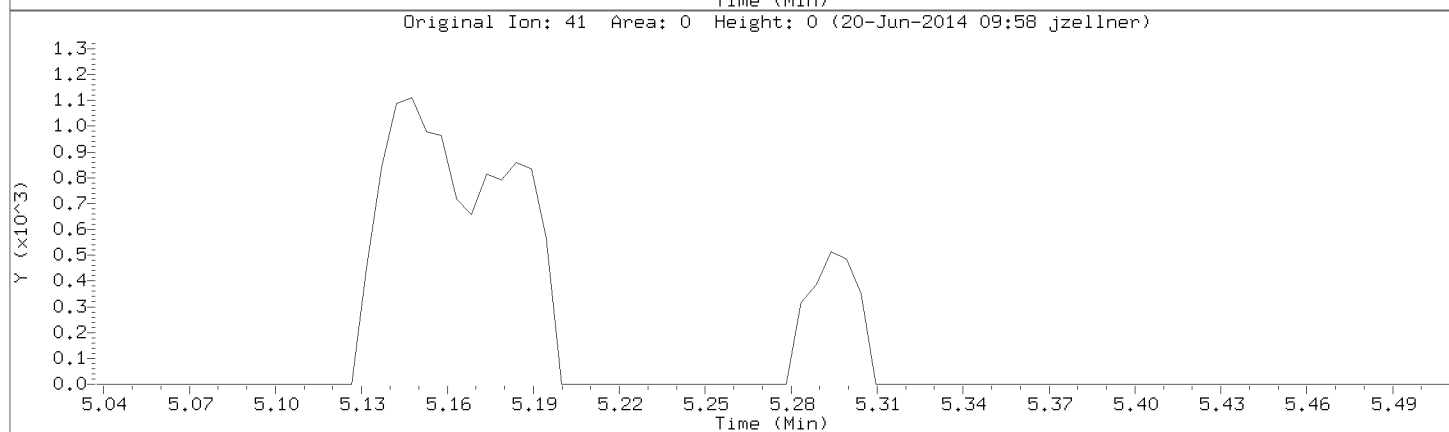
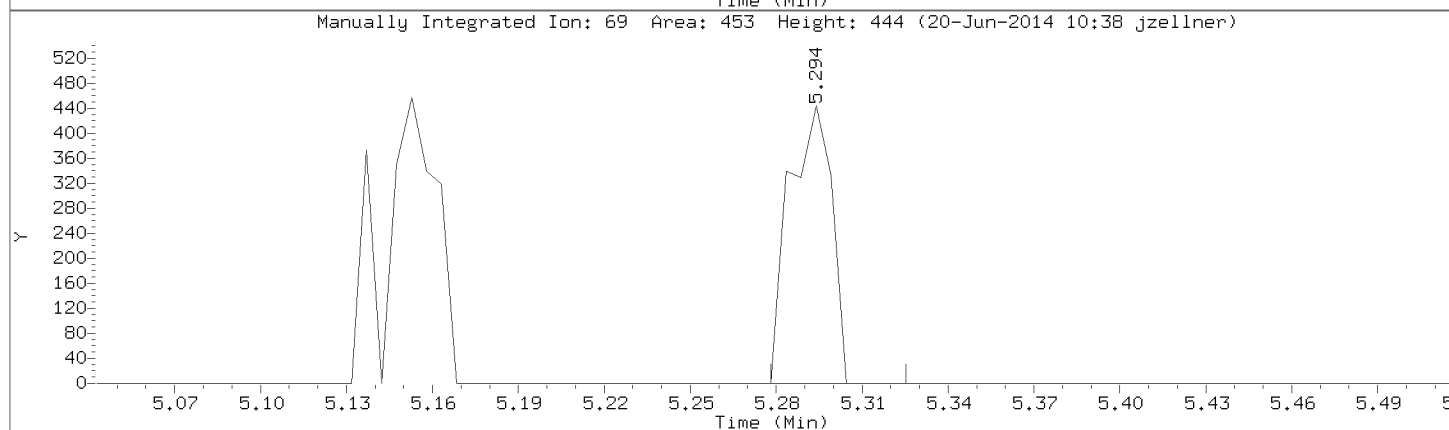
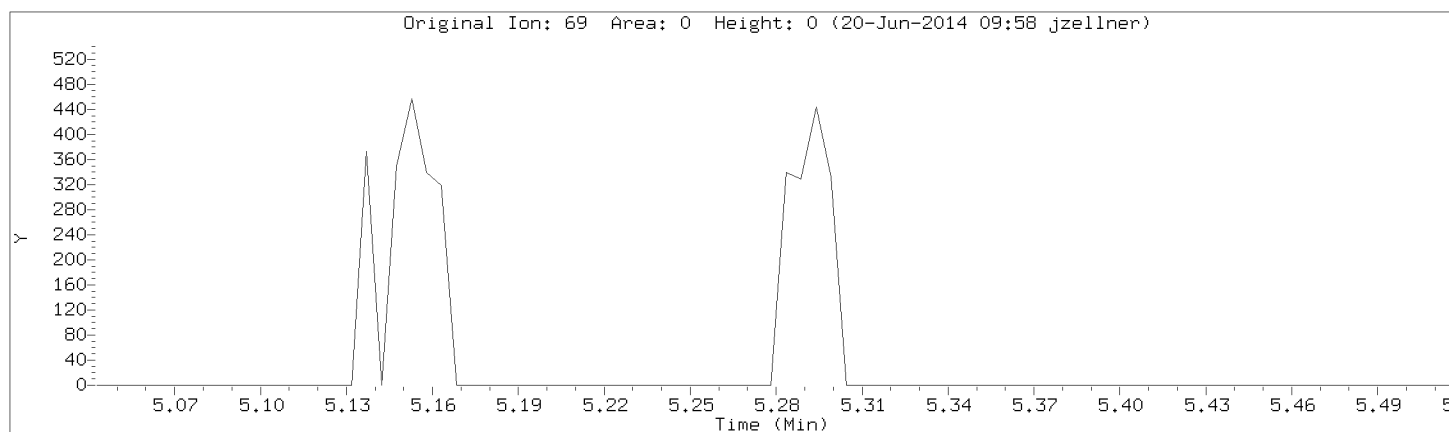
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Instrument: 50mv3a.i

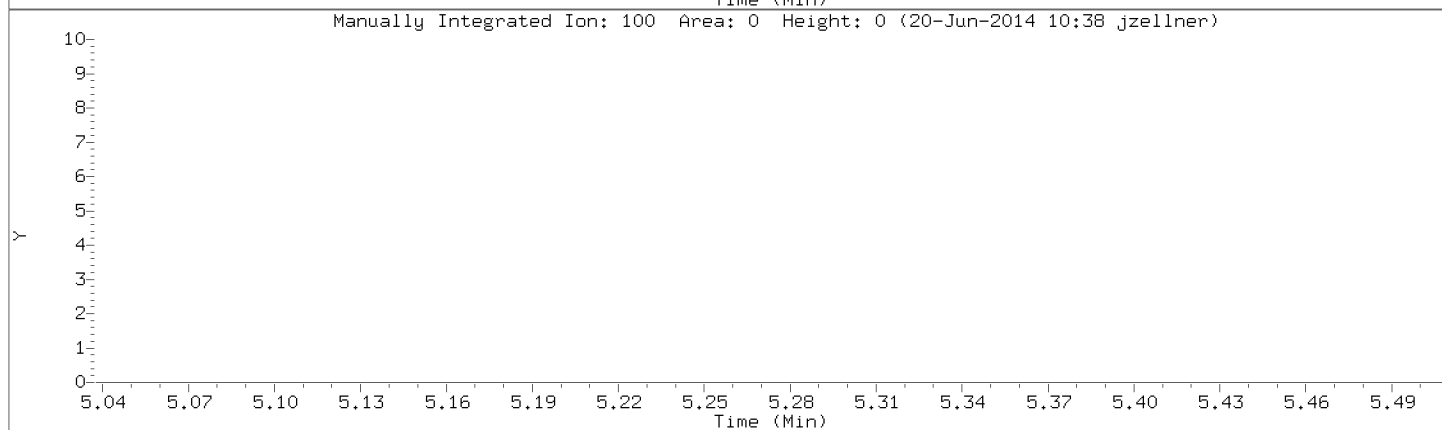
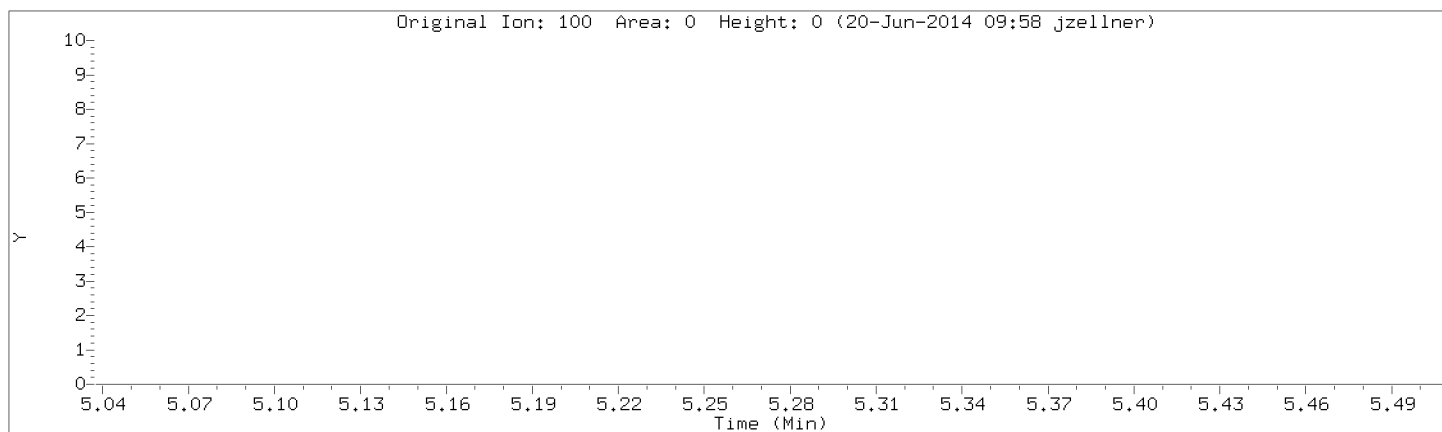
Lab Sample ID: 8260-CAL3,71099:0

Compound: Methyl methacrylate

CAS Number: 80-62-6

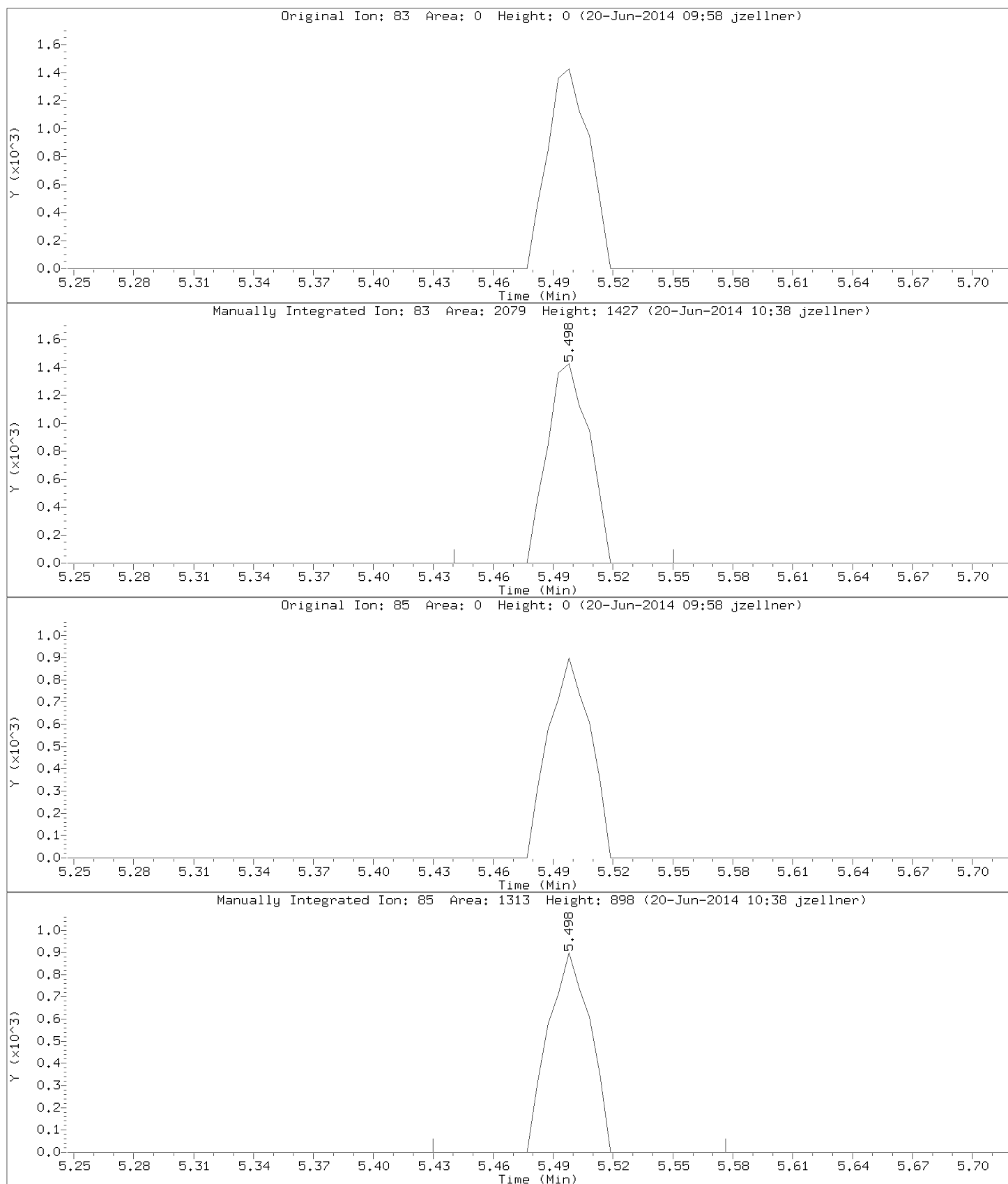


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Instrument: 50mv3a.i
Lab Sample ID: 8260-CAL3,71099:0



Data File: \\192.168.50.6\chem\50mv3a.i\061914cal.b/a03cal.d
Injection Date: 19-JUN-2014 15:51
Instrument: 50mv3a.i
Lab Sample ID: 8260-CAL3,71099:0

Compound: Bromodichloromethane
CAS Number: 75-27-4

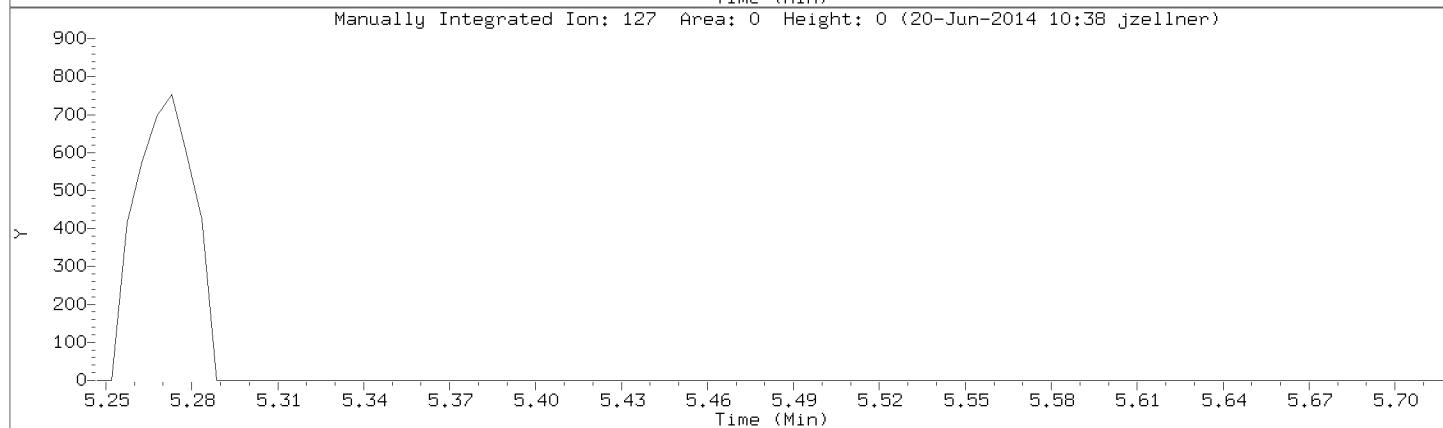
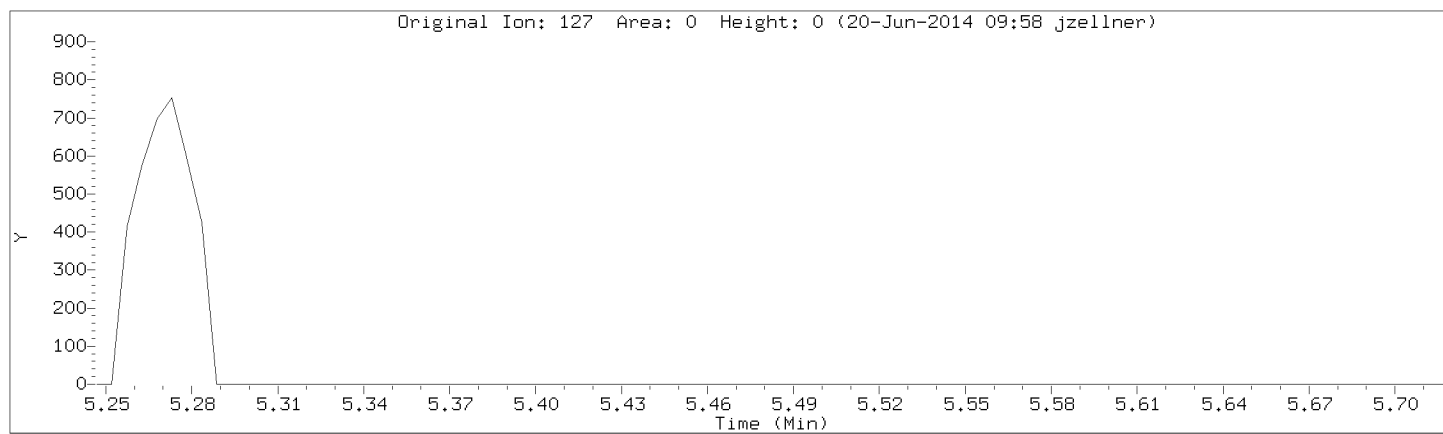


Data File: \\192.168.50.6\chem\50mv3a.i\a061914cal.b/a03cal.d

Injection Date: 19-JUN-2014 15:51

Instrument: 50mv3a.i

Lab Sample ID: 8260-CAL3,71099:0



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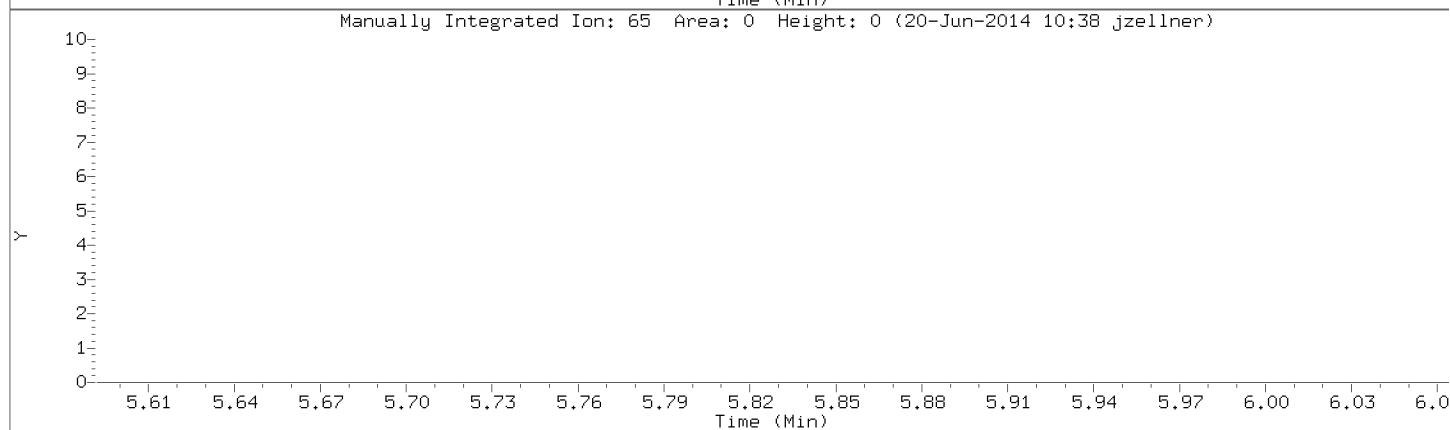
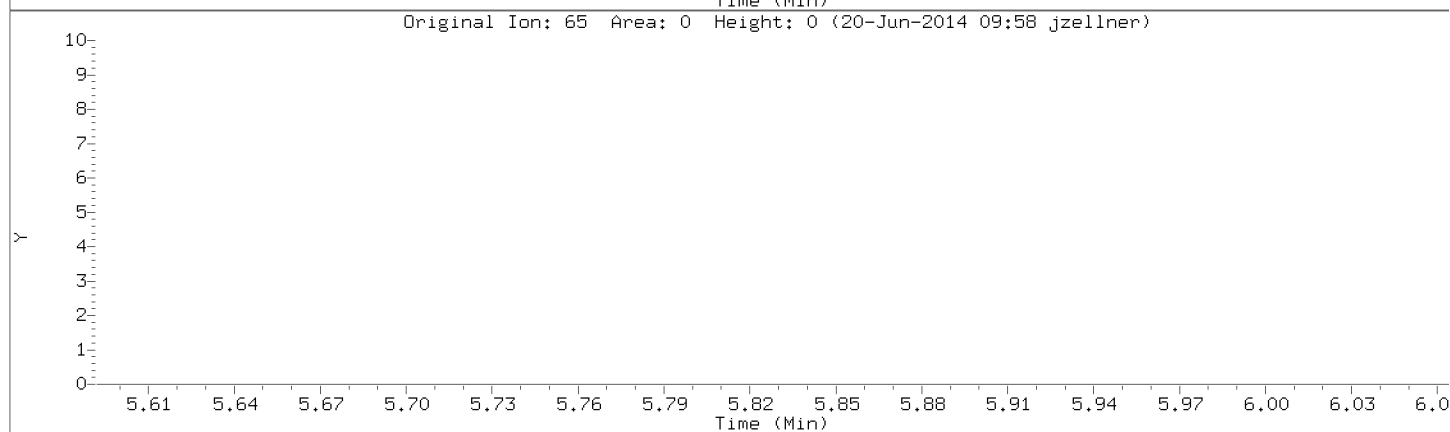
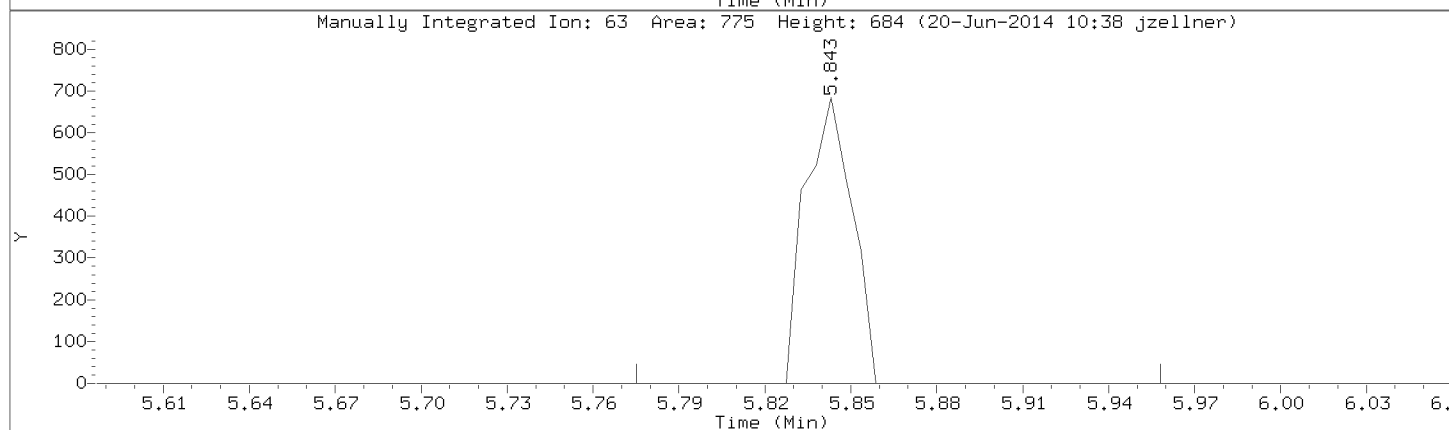
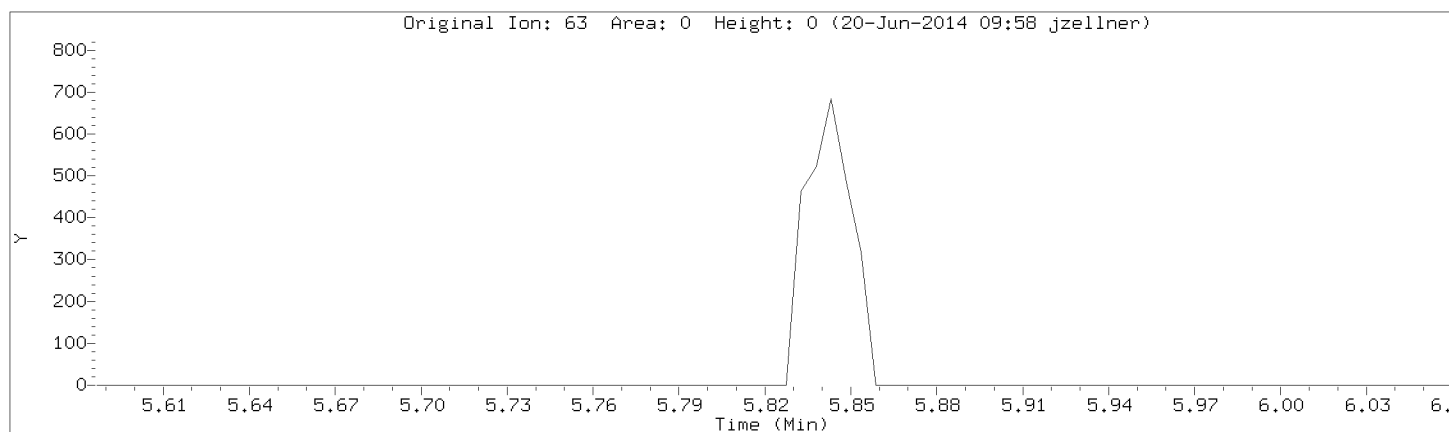
Injection Date: 19-JUN-2014 15:51

Instrument: 50mv3a.i

Lab Sample ID: 8260-CAL3,71099:0

Compound: 2-Chloroethyl vinyl ether

CAS Number: 110-75-8



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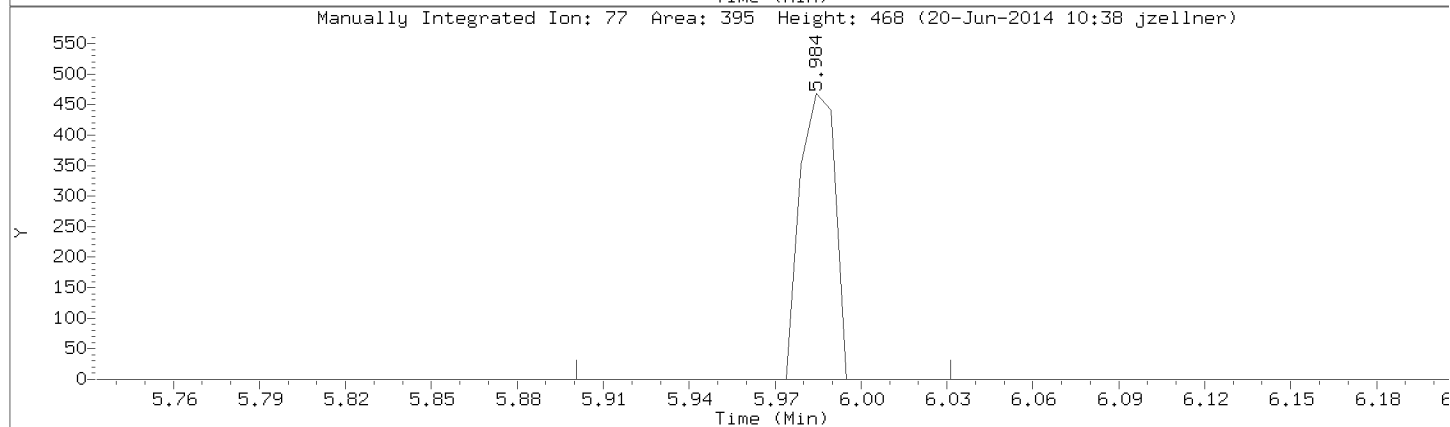
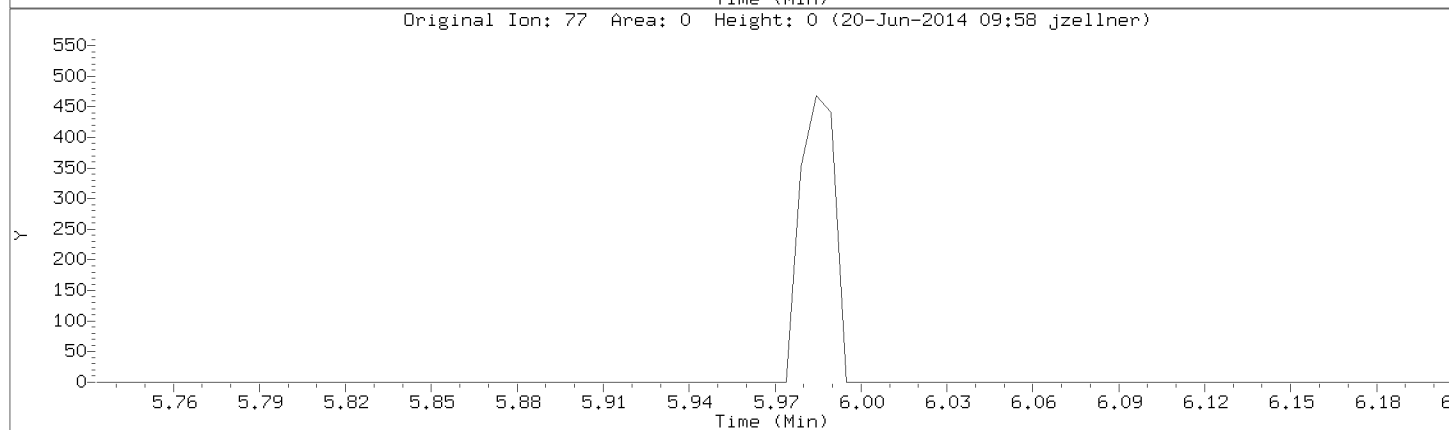
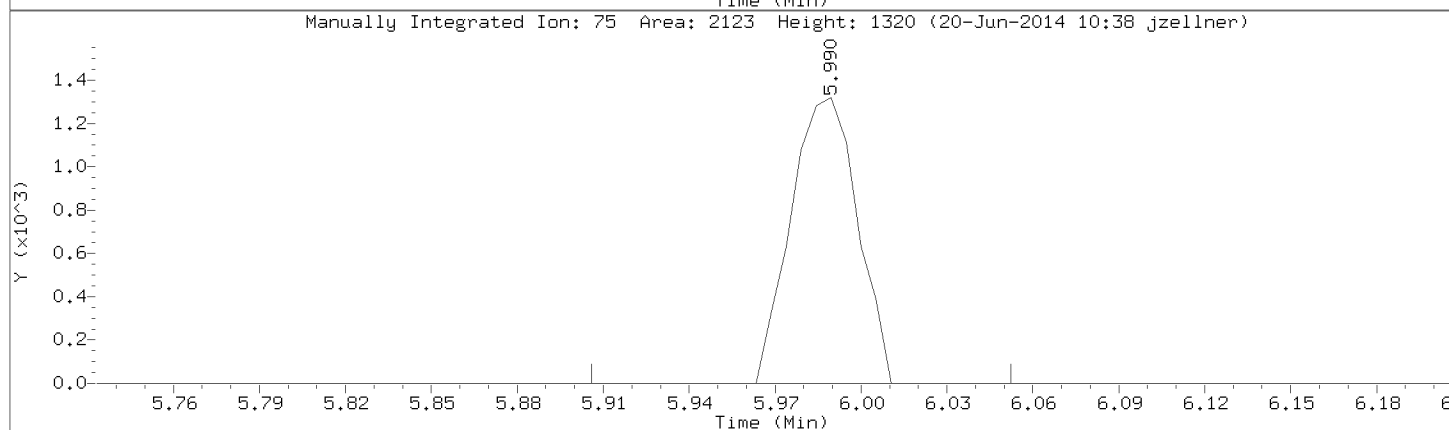
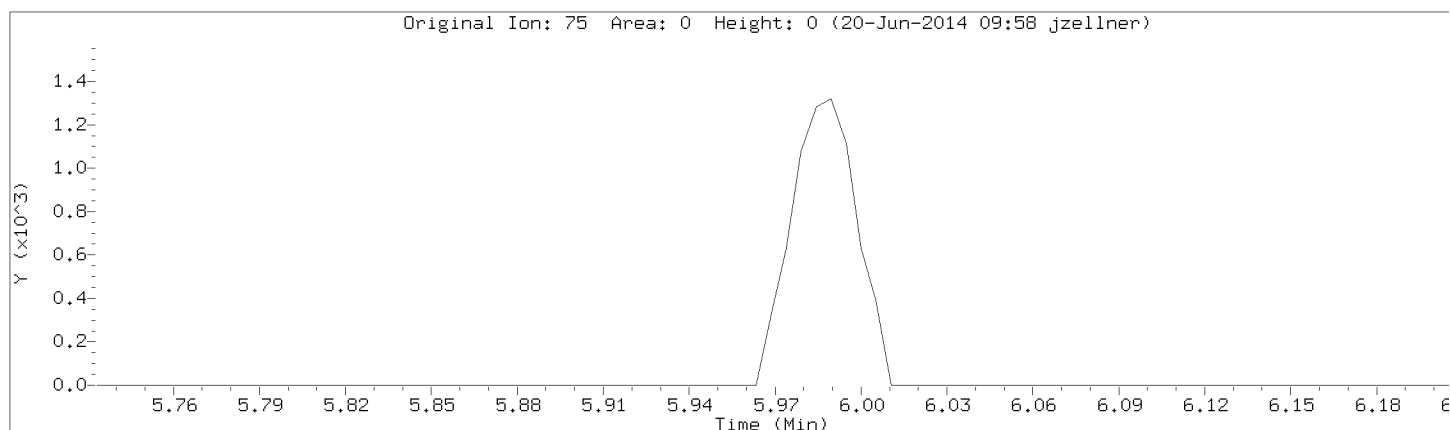
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Instrument: 50mv3a.i

Lab Sample ID: 8260-CAL3,71099:0

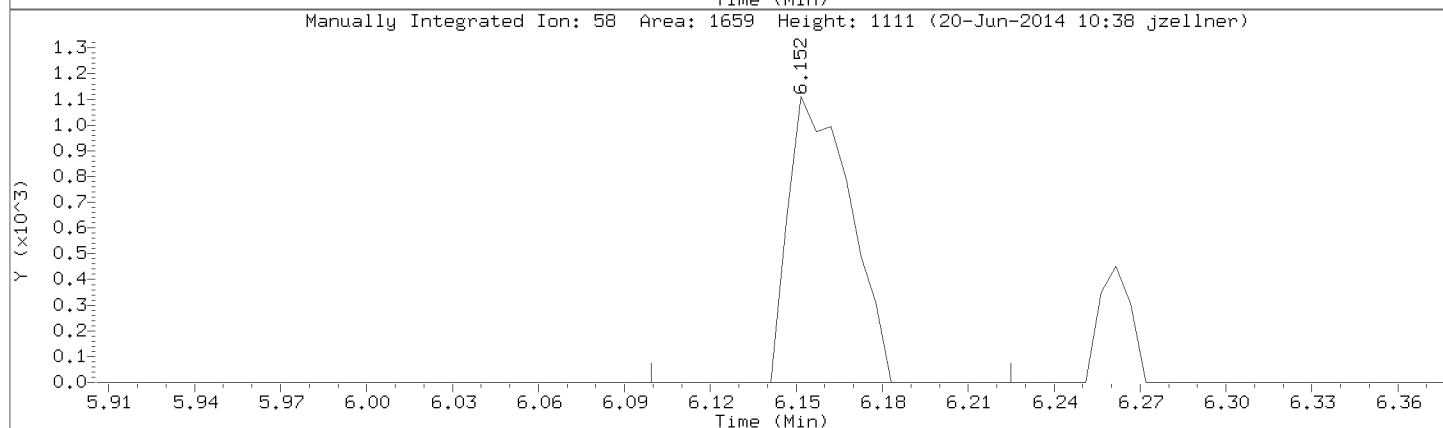
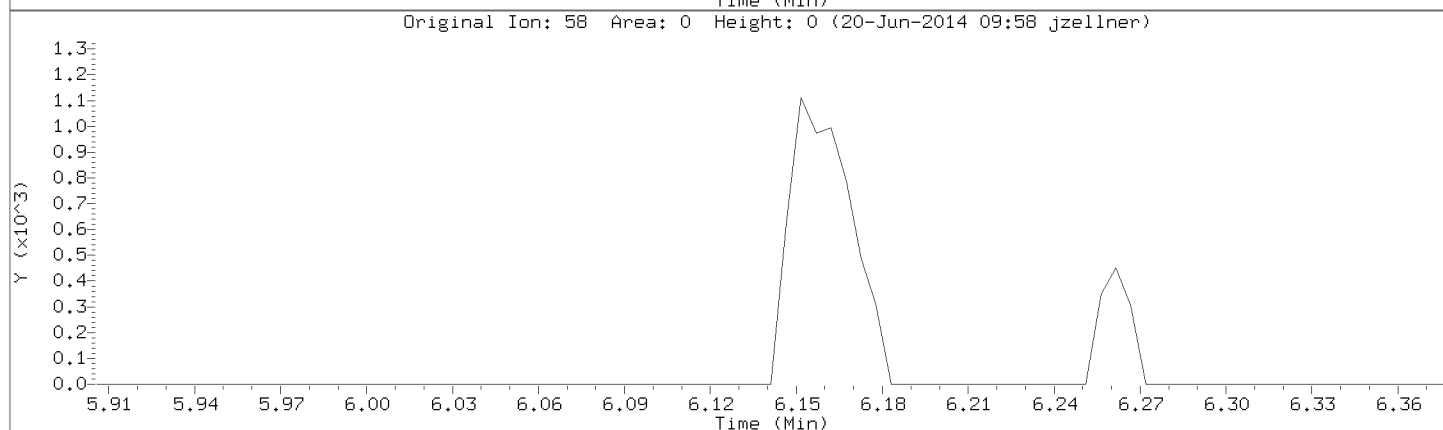
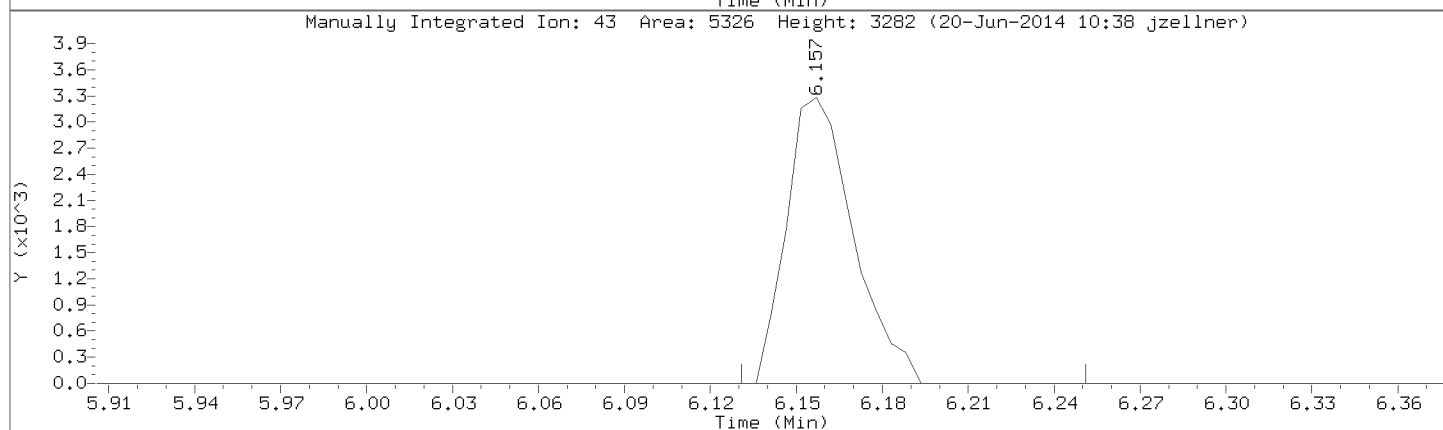
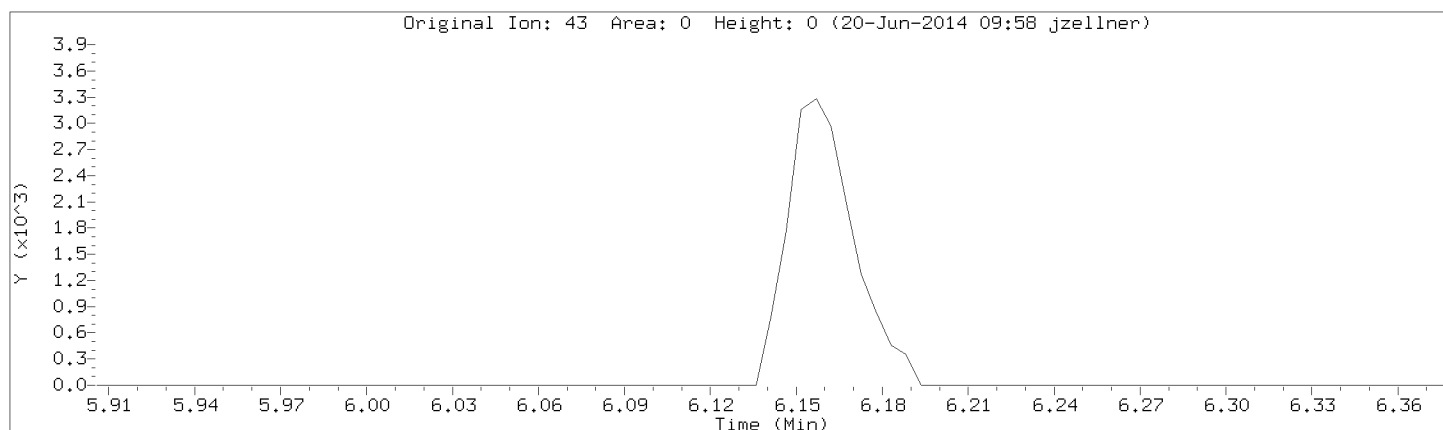
Compound: cis-1,3-Dichloropropene

CAS Number: 10061-01-5

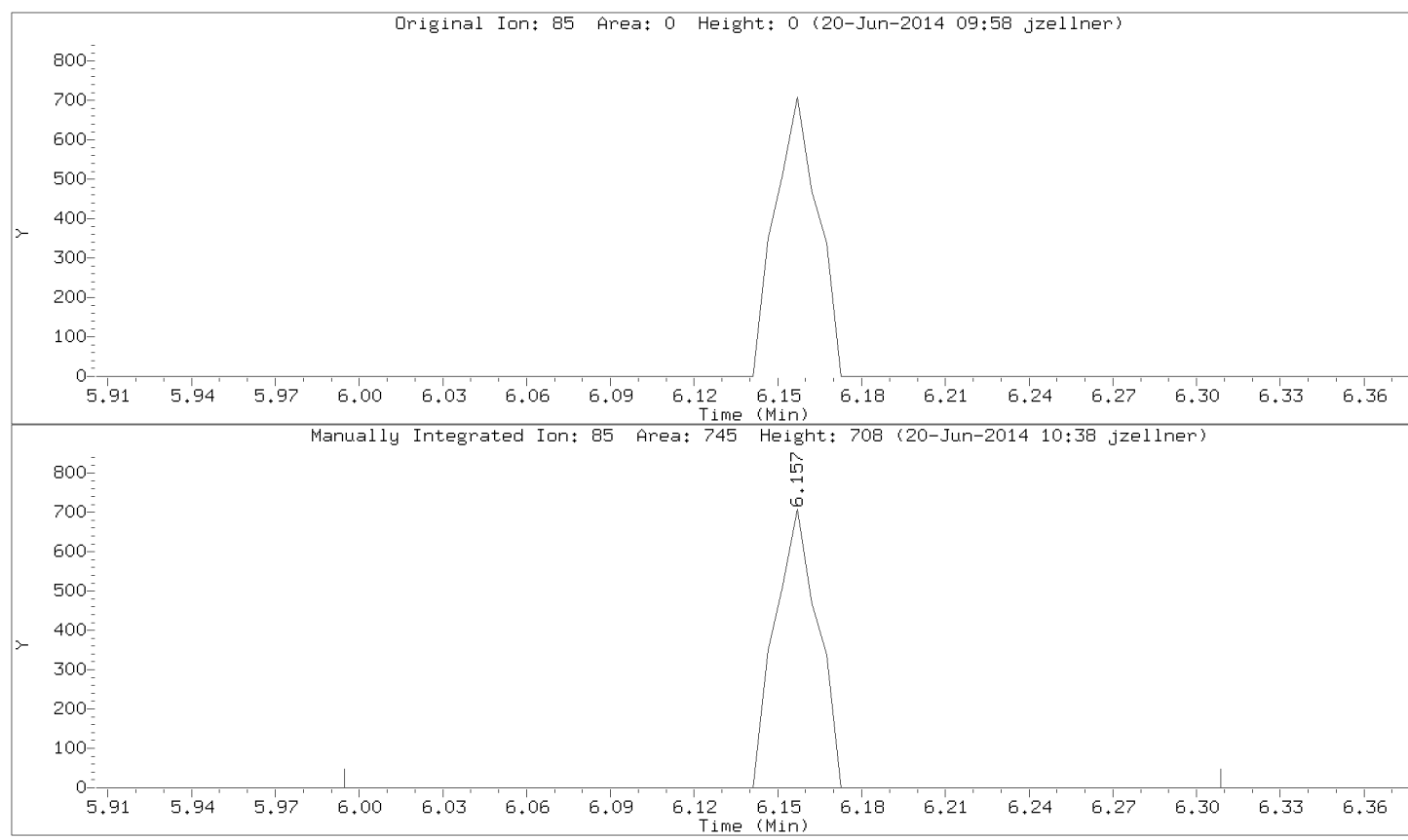


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Injection Date: 19-JUN-2014 15:51
Instrument: 50mv3a.i
Lab Sample ID: 8260-CAL3,71099:0

Compound: 4-Methyl-2-Pentanone
CAS Number: 108-10-1



Data File: \\192.168.50.6\chem\50mv3a.i\a061914cal.b/a03cal.d
Injection Date: 19-JUN-2014 15:51
Instrument: 50mv3a.i
Lab Sample ID: 8260-CAL3,71099:0



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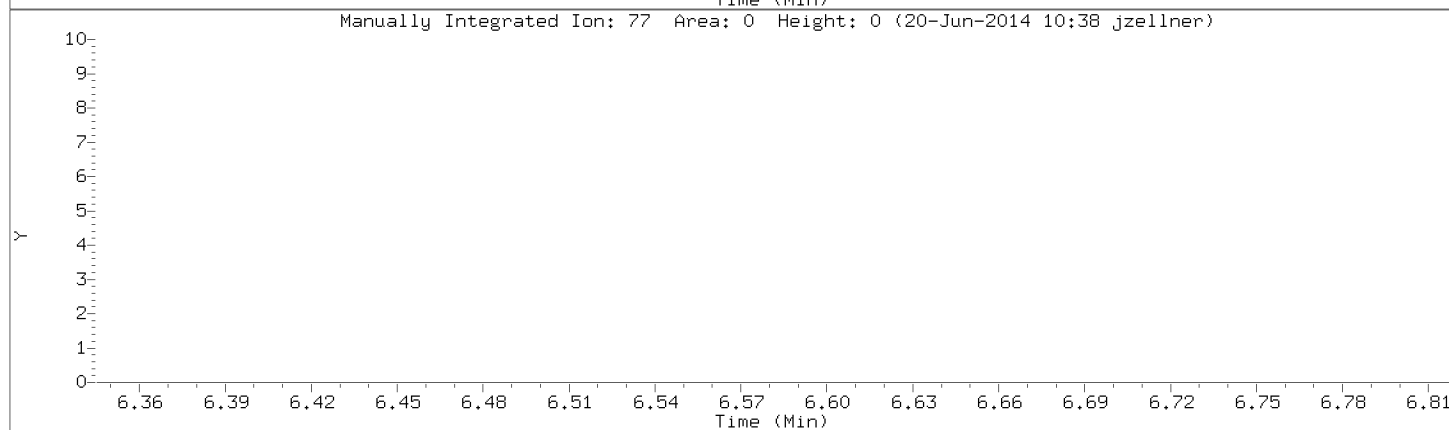
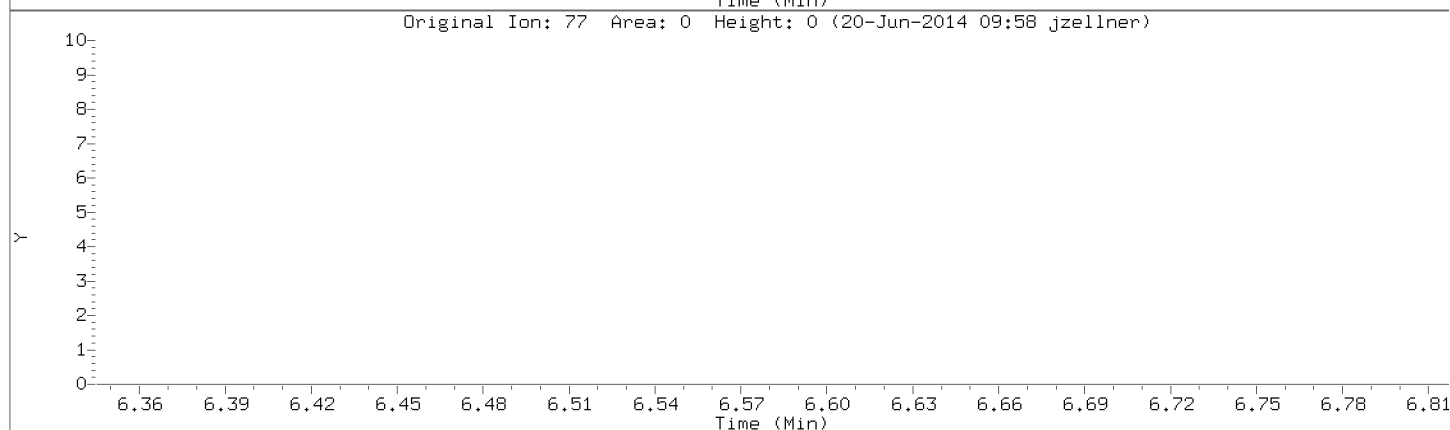
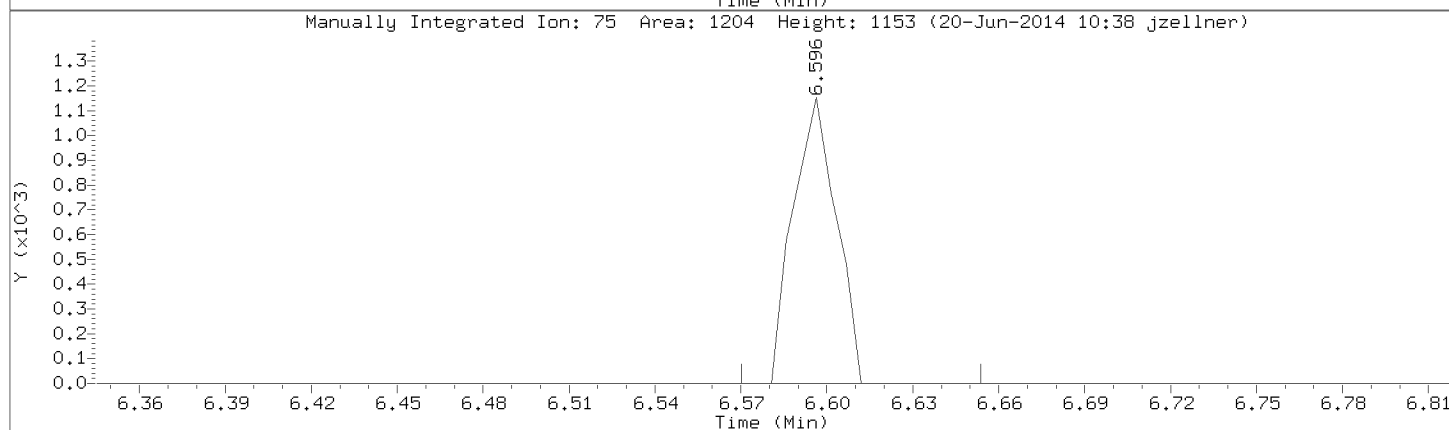
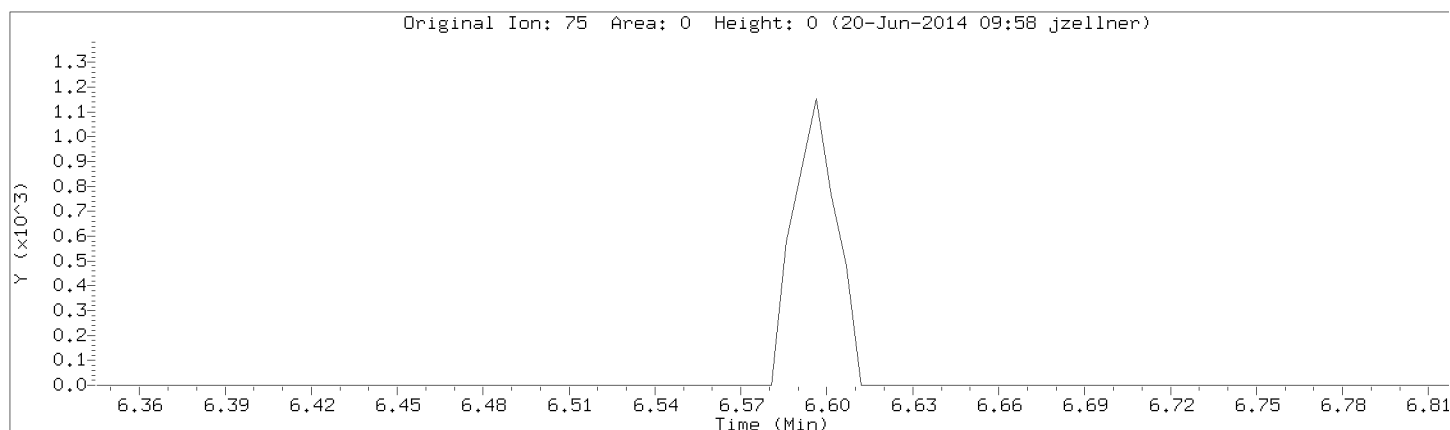
Injection Date: 19-JUN-2014 15:51

Instrument: 50mv3a.i

Lab Sample ID: 8260-CAL3,71099:0

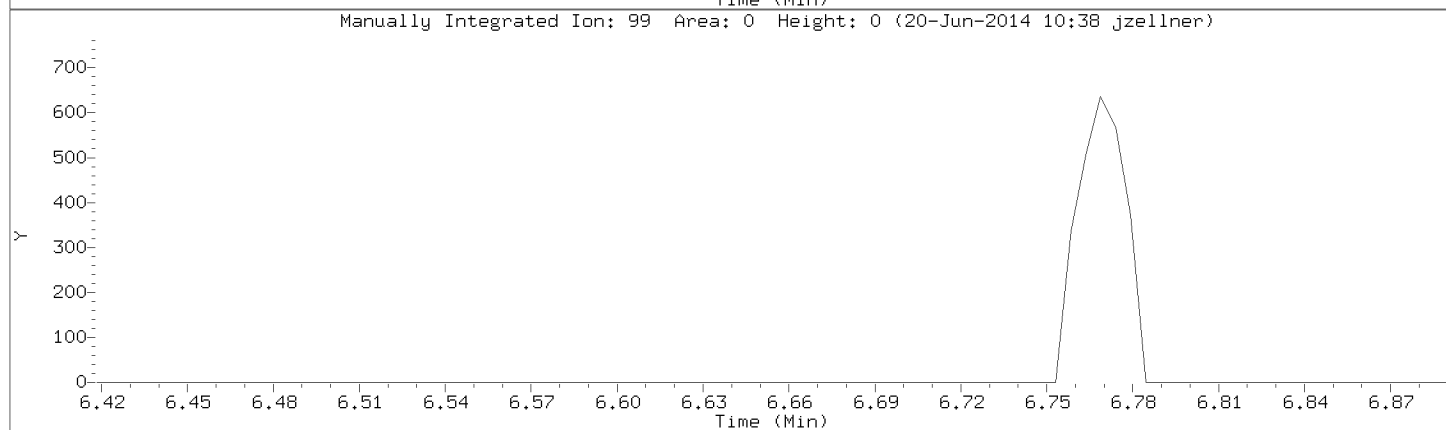
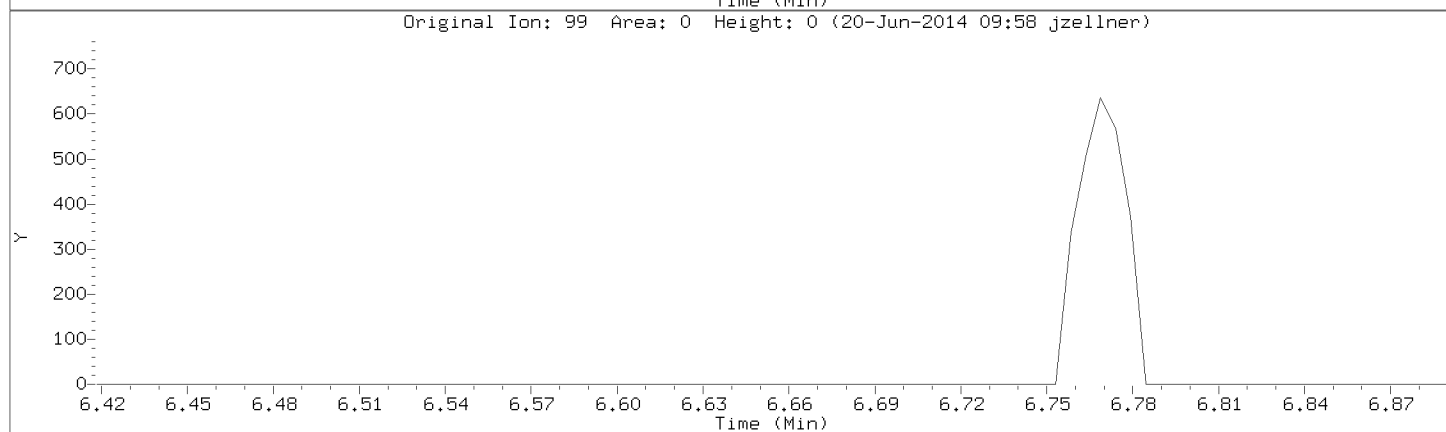
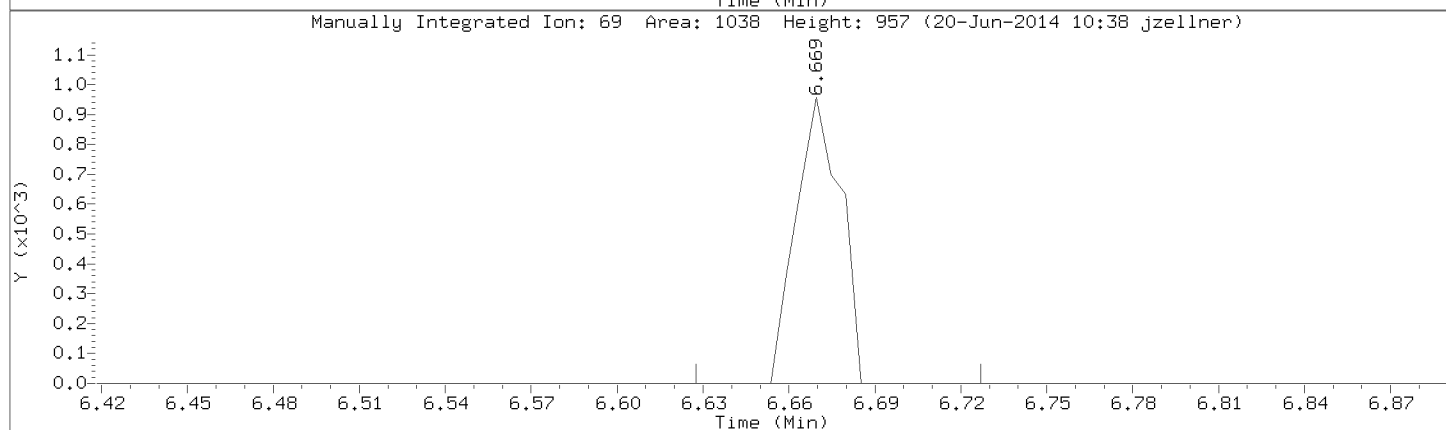
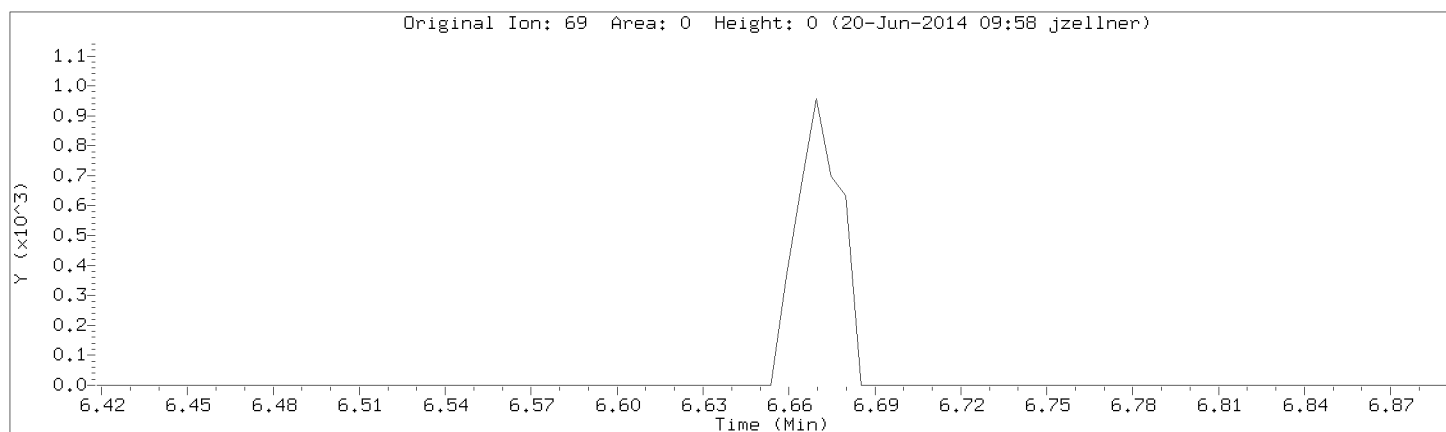
Compound: trans-1,3-Dichloropropene

CAS Number: 10061-02-6



Data File: \\192.168.50.6\chem\50mv3a.i\a061914cal.b/a03cal.d
Injection Date: 19-JUN-2014 15:51
Instrument: 50mv3a.i
Lab Sample ID: 8260-CAL3,71099:0

Compound: Ethyl Methacrylate
CAS Number:

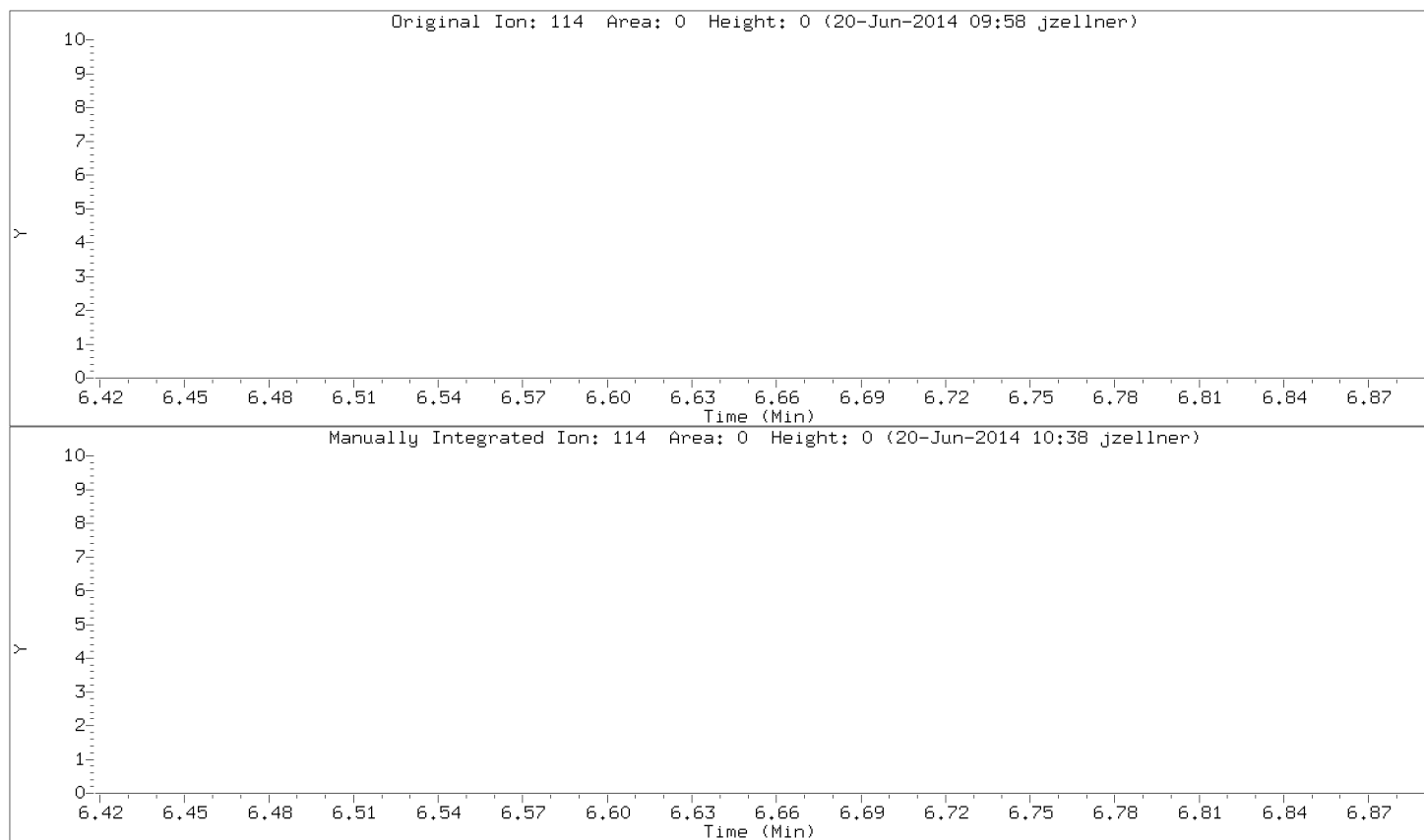


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Injection Date: 19-JUN-2014 15:51

Instrument: 50mv3a.i

Lab Sample ID: 8260-CAL3,71099:0



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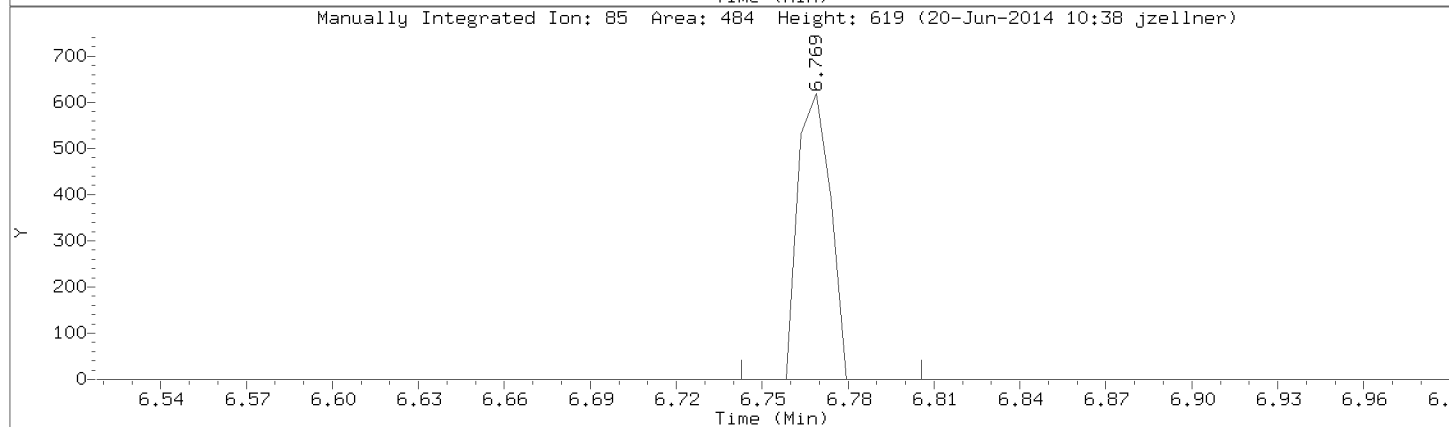
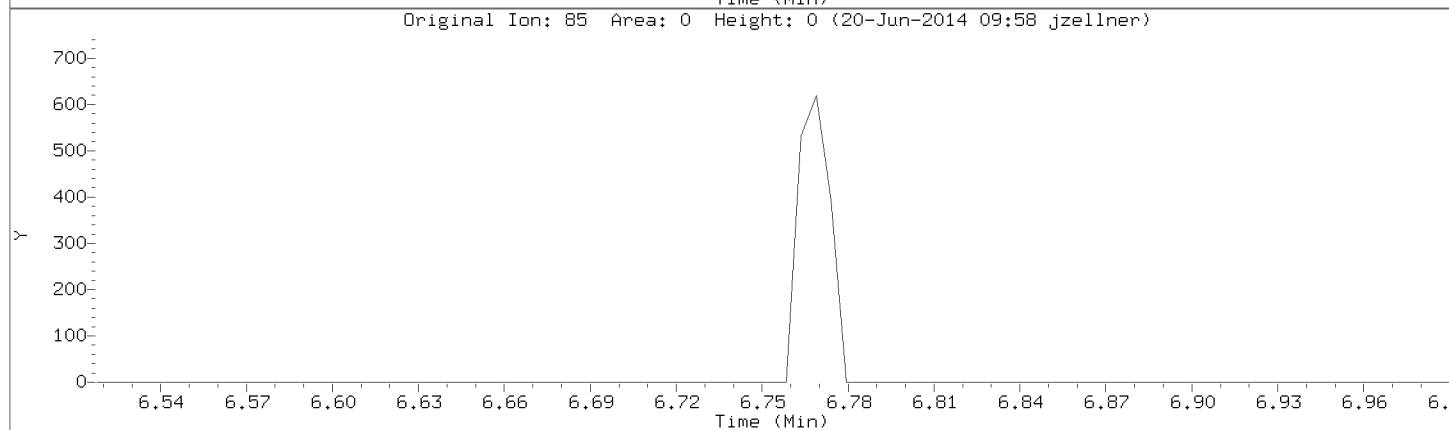
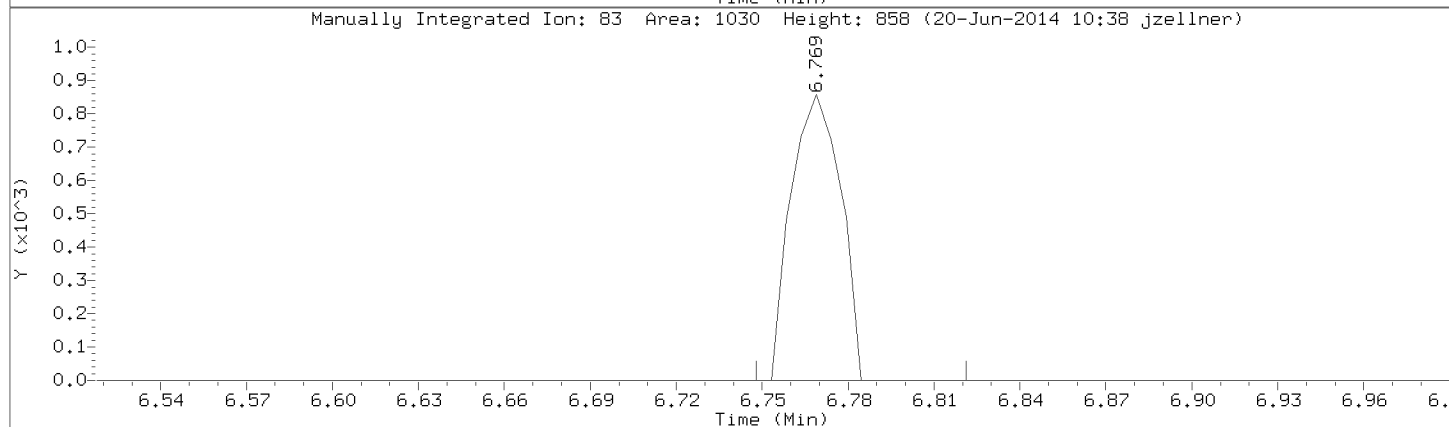
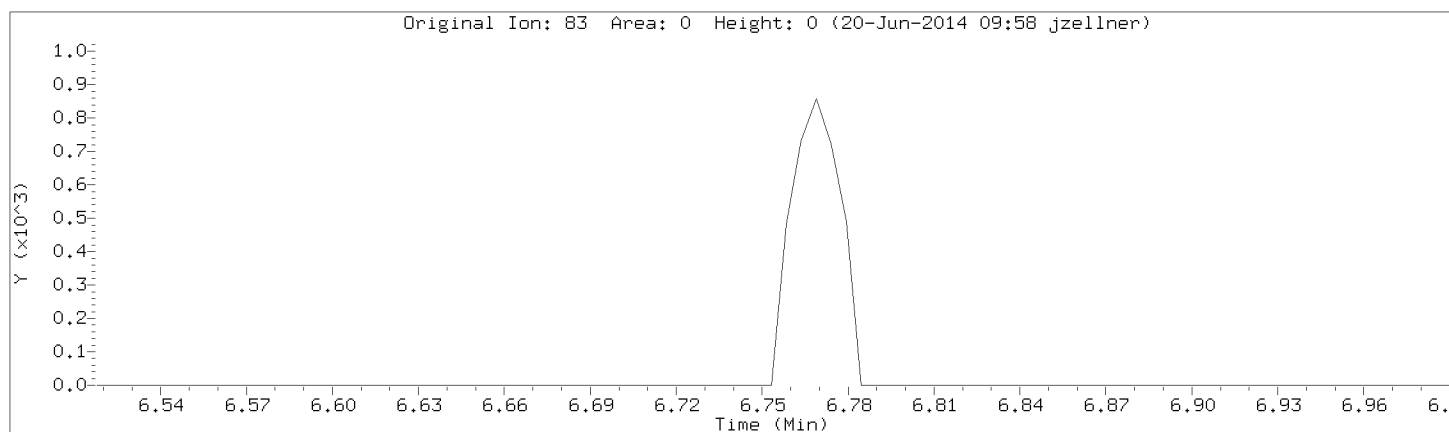
Injection Date: 19-JUN-2014 15:51

Instrument: 50mv3a.i

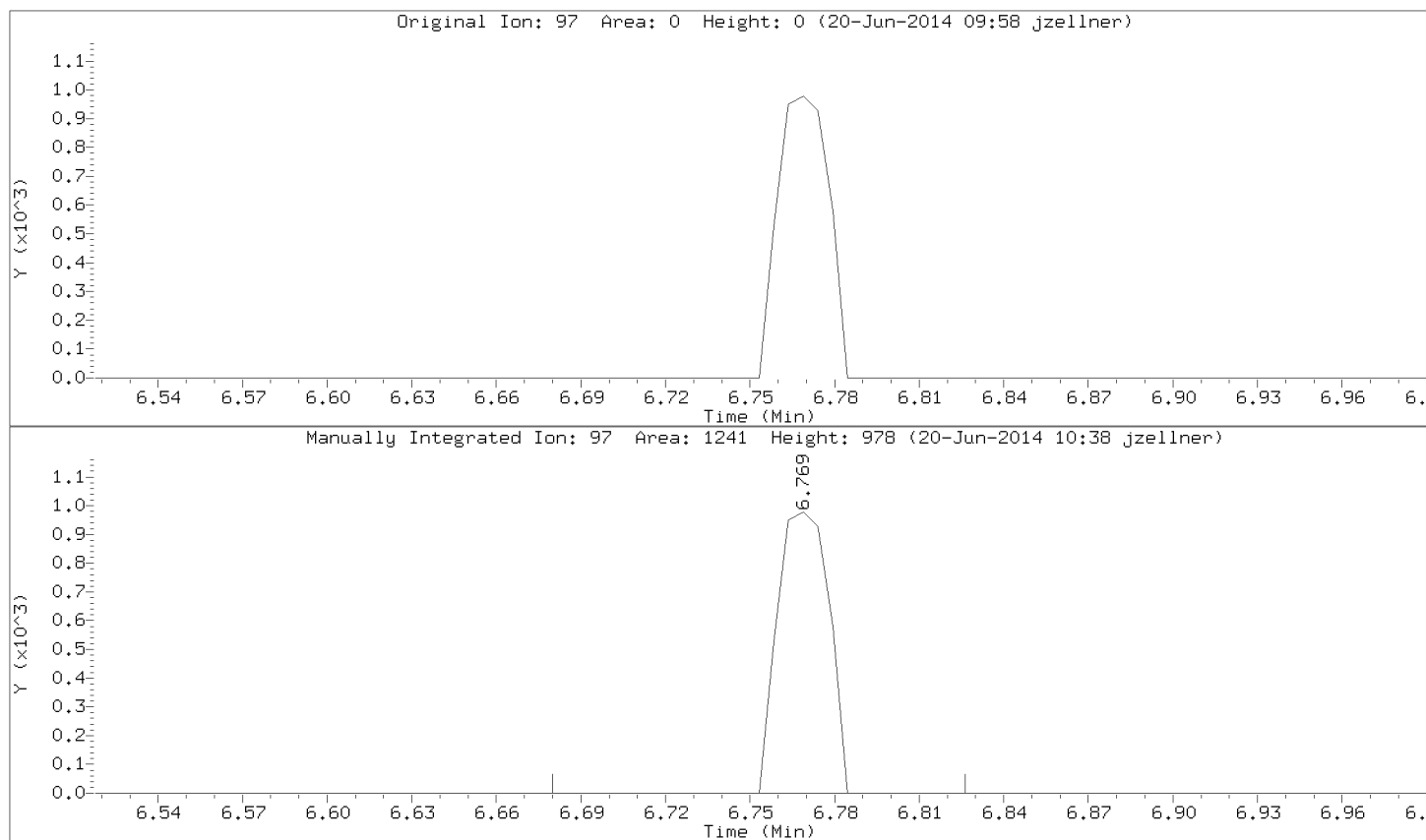
Lab Sample ID: 8260-CAL3,71099:0

Compound: 1,1,2-Trichloroethane

CAS Number: 79-00-5

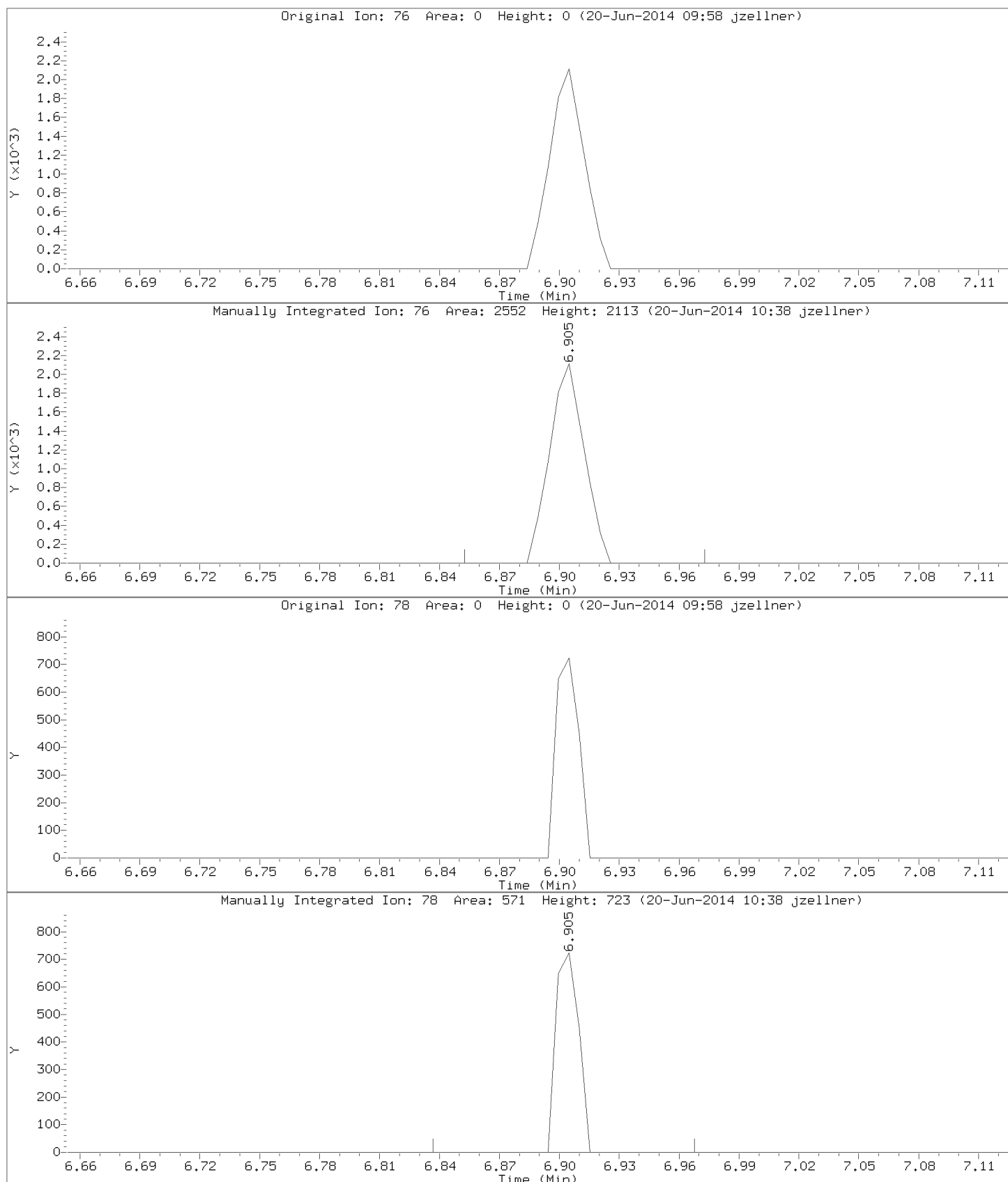


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Instrument: 50mv3a.i
Lab Sample ID: 8260-CAL3,71099:0



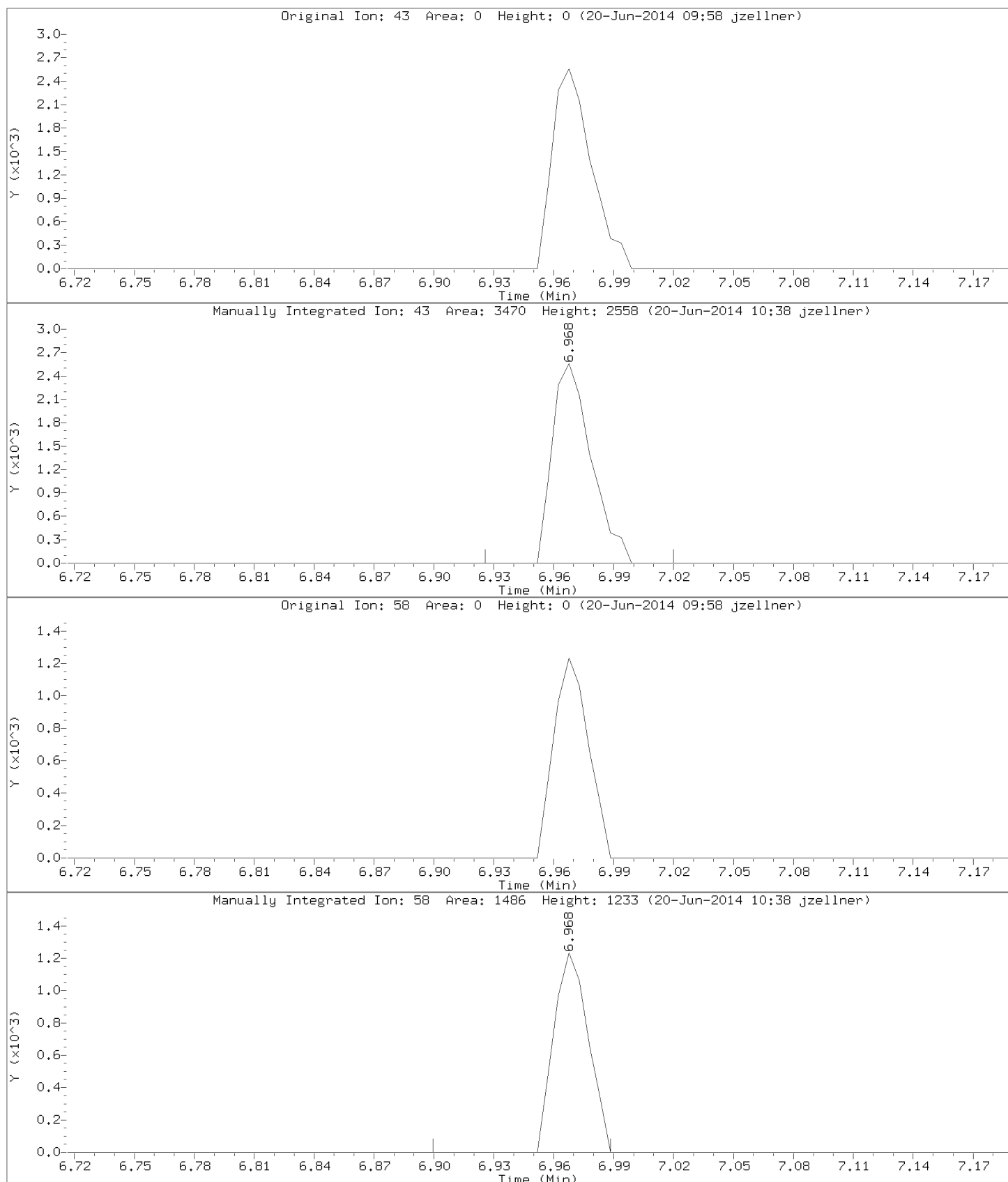
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Instrument: 50mv3a.i
Lab Sample ID: 8260-CAL3,71099:0

Compound: 1,3-Dichloropropane
CAS Number: 142-28-9

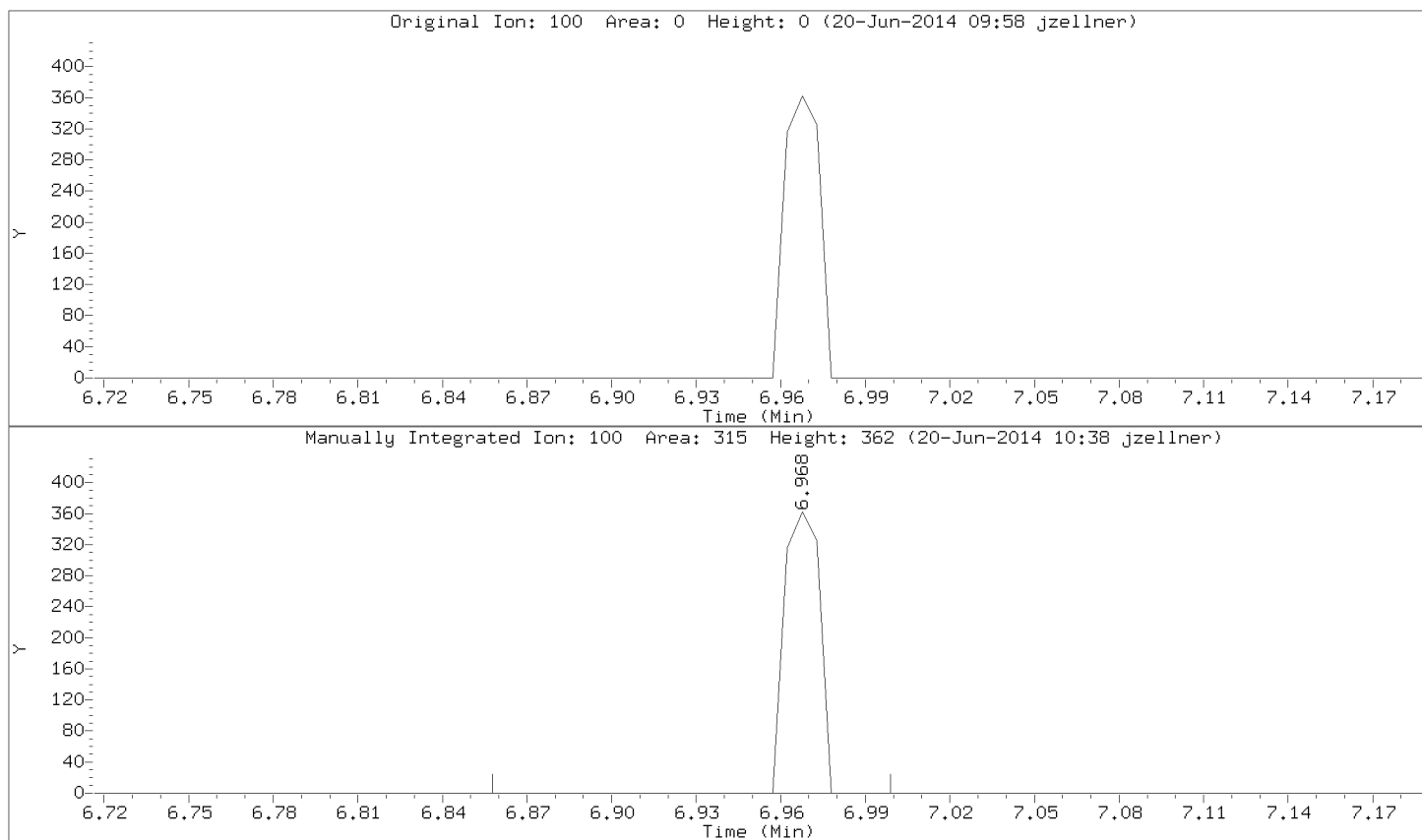


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Injection Date: 19-JUN-2014 15:51
Instrument: 50mv3a.i
Lab Sample ID: 8260-CAL3,71099:0

Compound: 2-Hexanone
CAS Number: 591-78-6



Data File: \\192.168.50.6\chem\50mv3a.i\a061914cal.b/a03cal.d
Injection Date: 19-JUN-2014 15:51
Instrument: 50mv3a.i
Lab Sample ID: 8260-CAL3,71099:0



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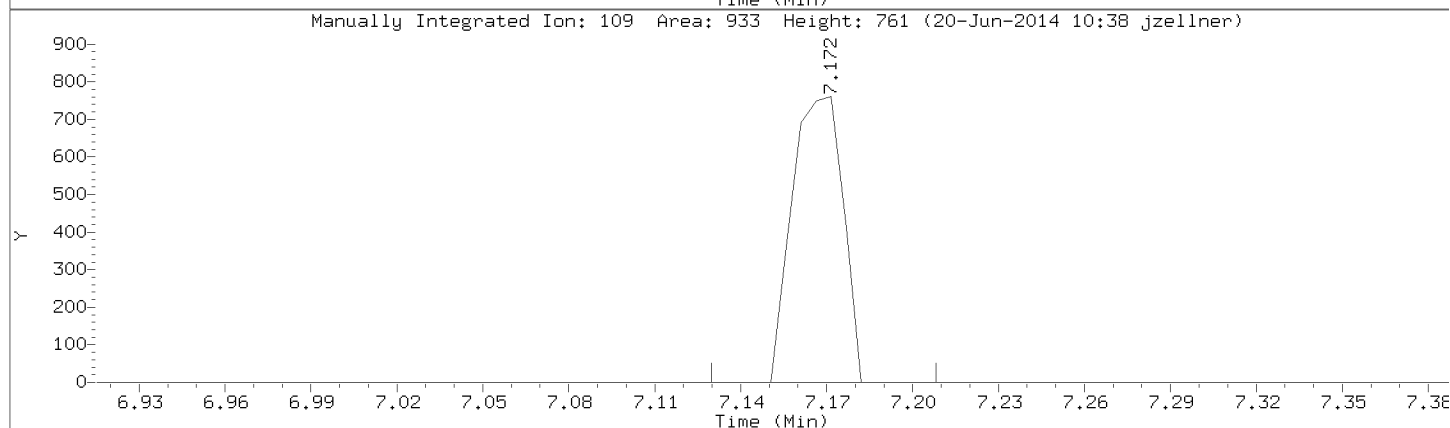
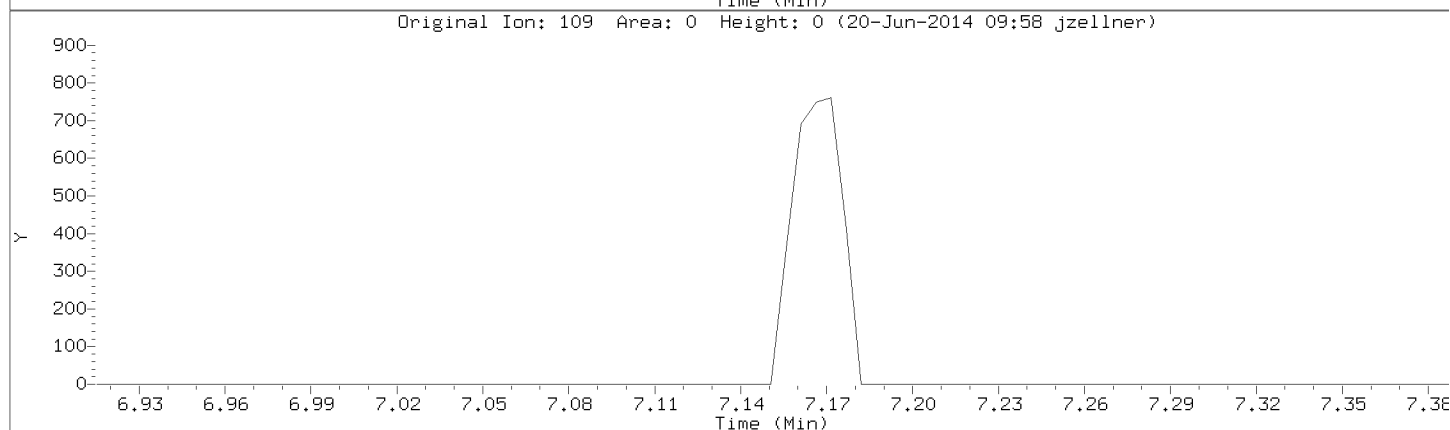
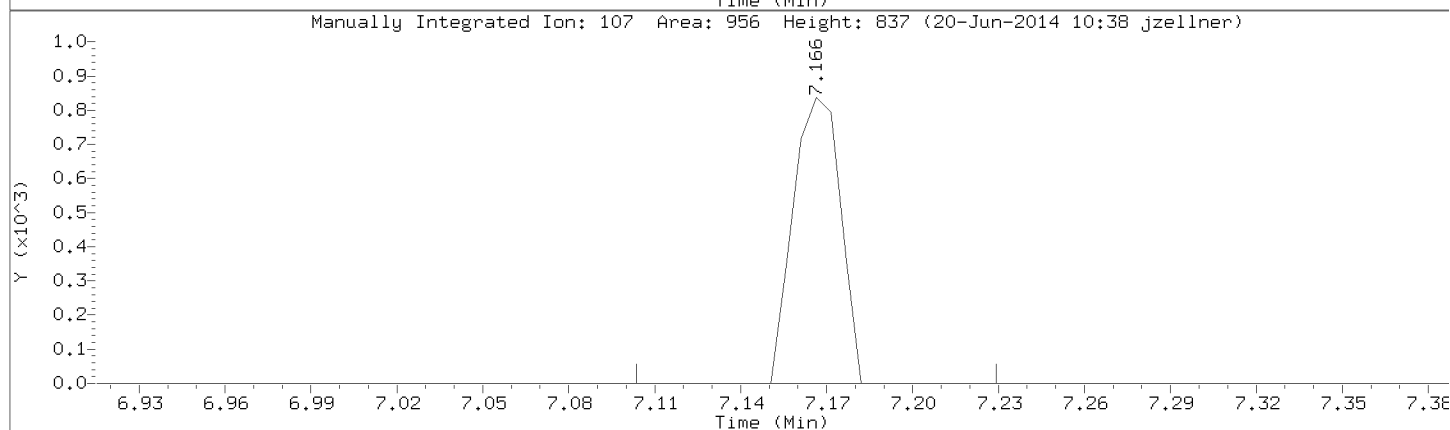
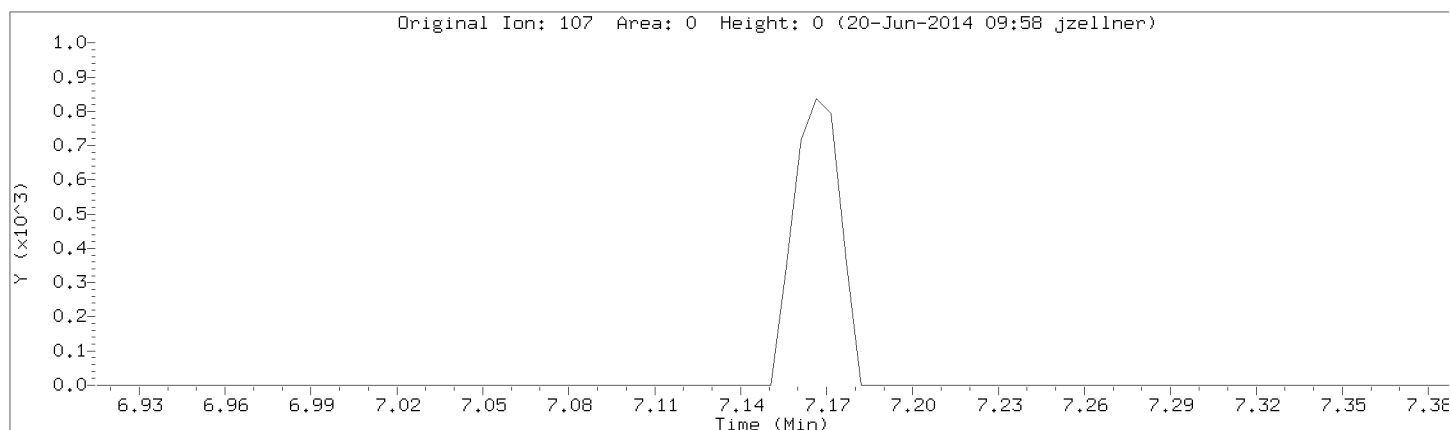
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Instrument: 50mv3a.i

Lab Sample ID: 8260-CAL3,71099:0

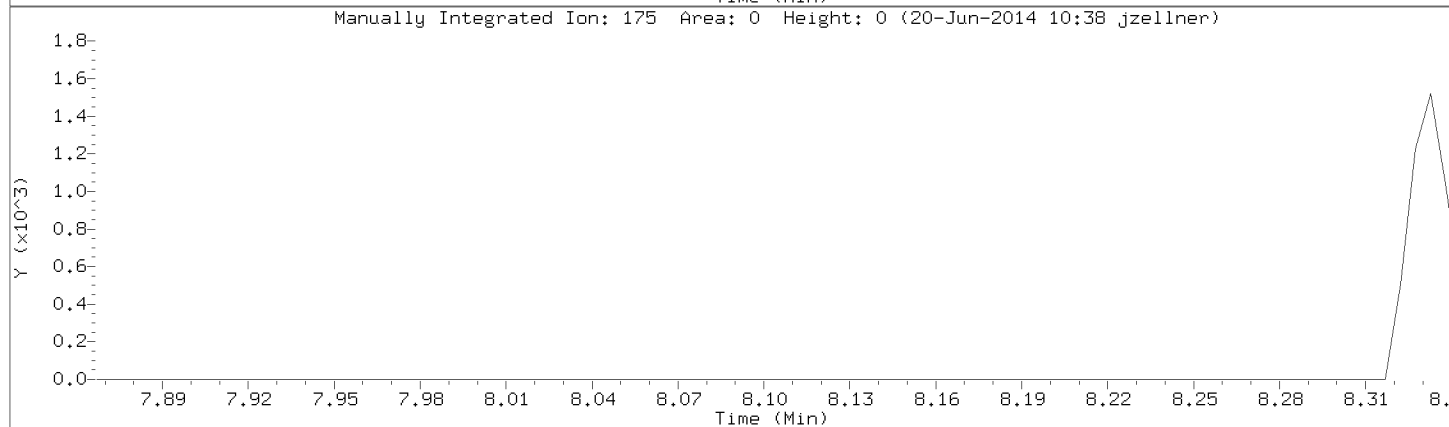
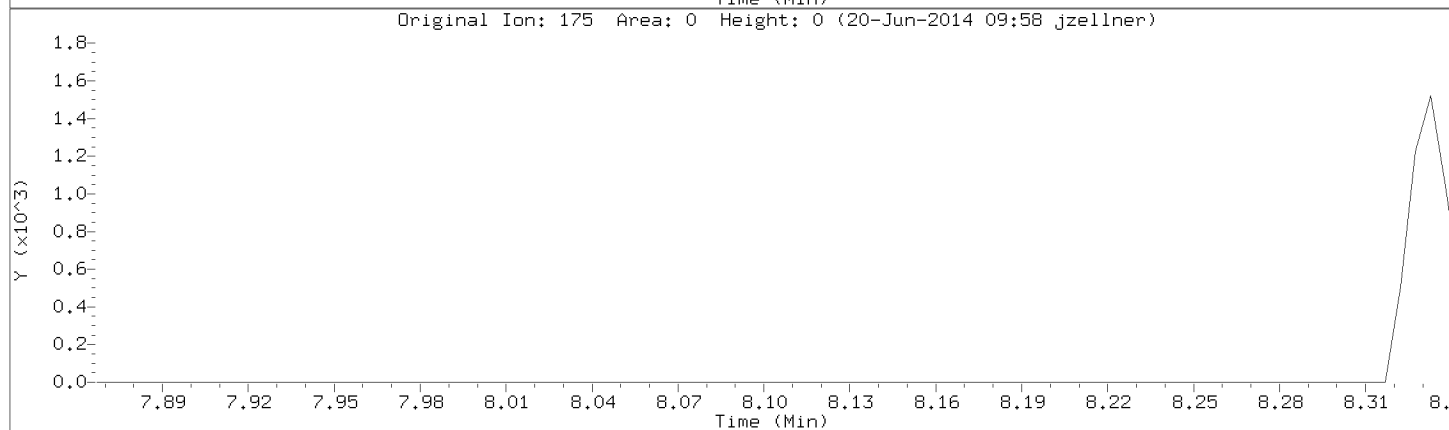
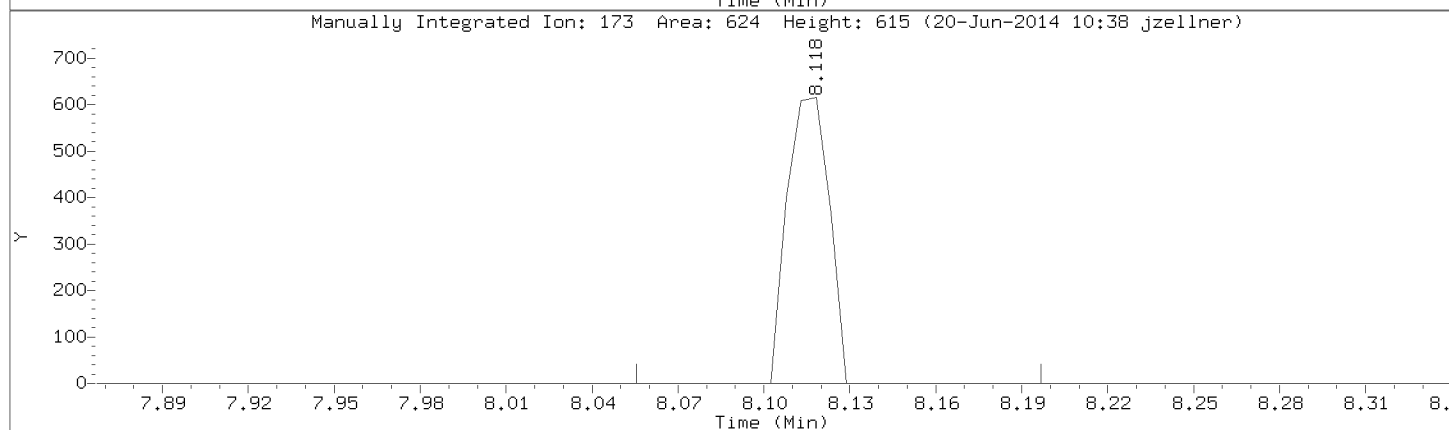
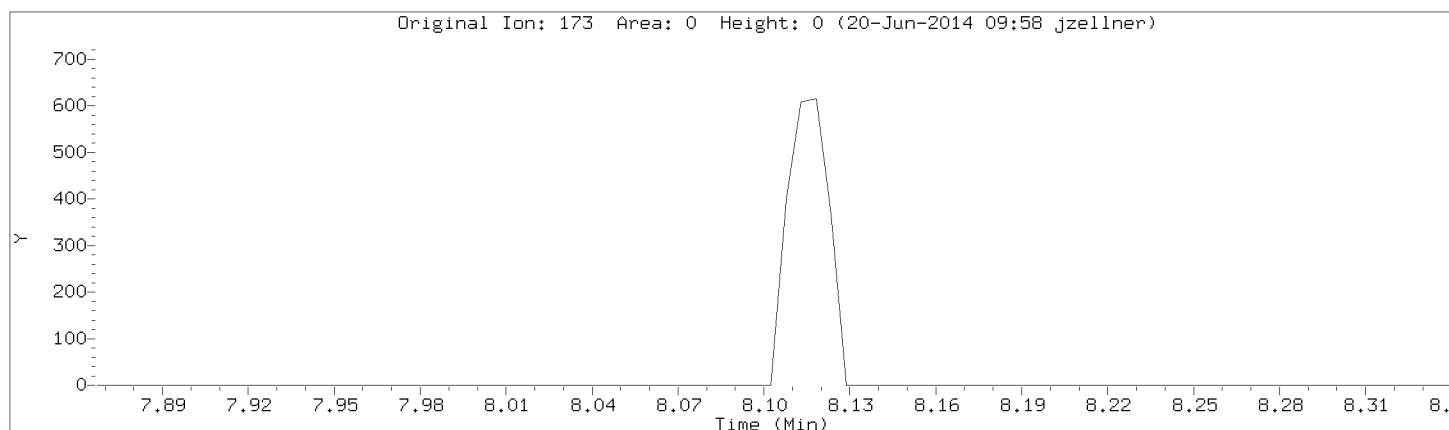
Compound: 1,2-Dibromoethane

CAS Number: 106-93-4



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Injection Date: 19-JUN-2014 15:51
Instrument: 50mv3a.i
Lab Sample ID: 8260-CAL3,71099:0

Compound: Bromoform
CAS Number: 75-25-2

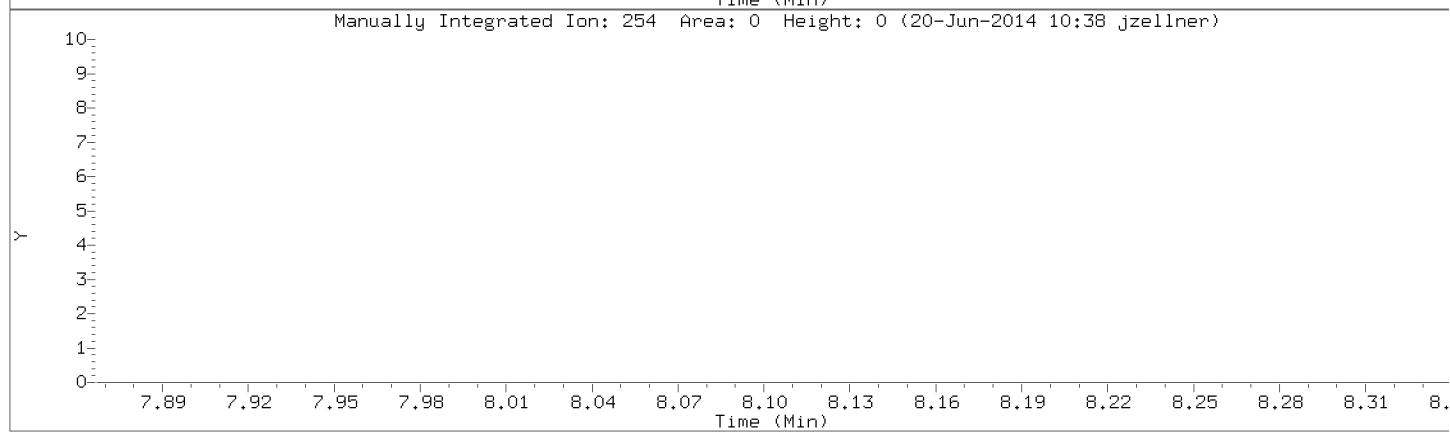
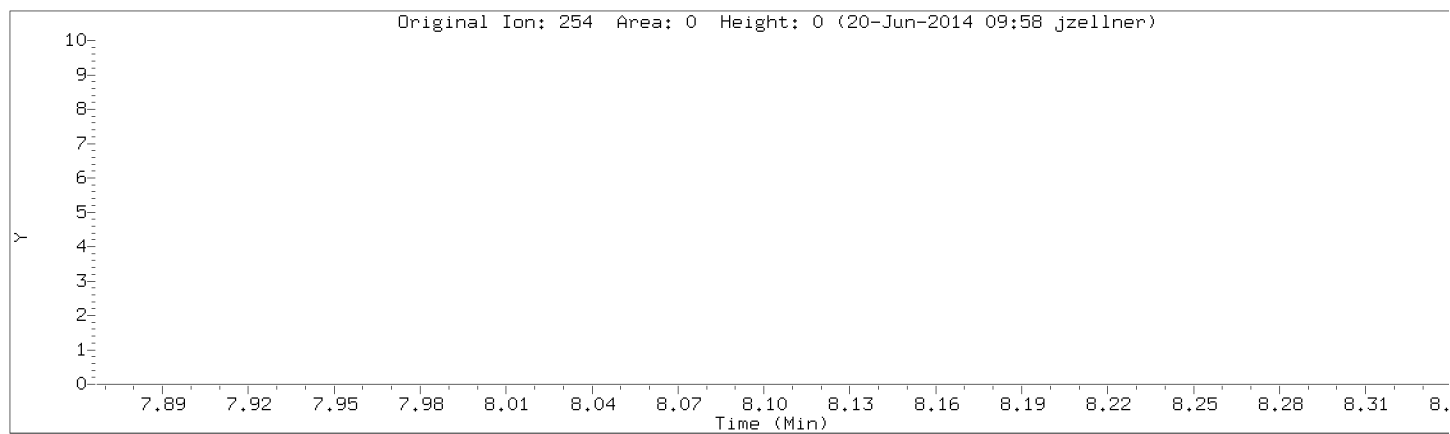


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Injection Date: 19-JUN-2014 15:51

Instrument: 50mv3a.i

Lab Sample ID: 8260-CAL3,71099:0



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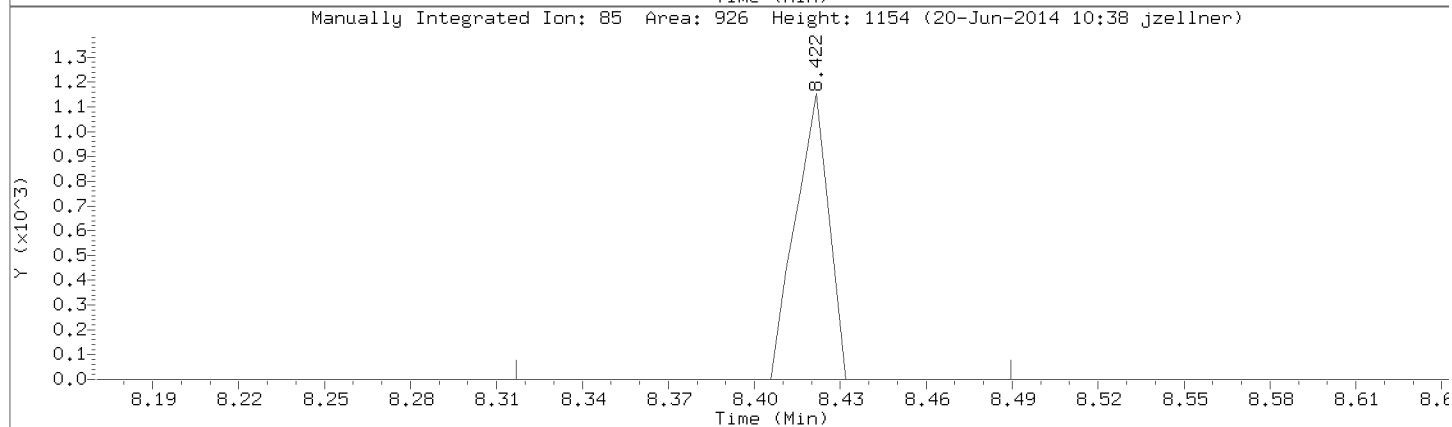
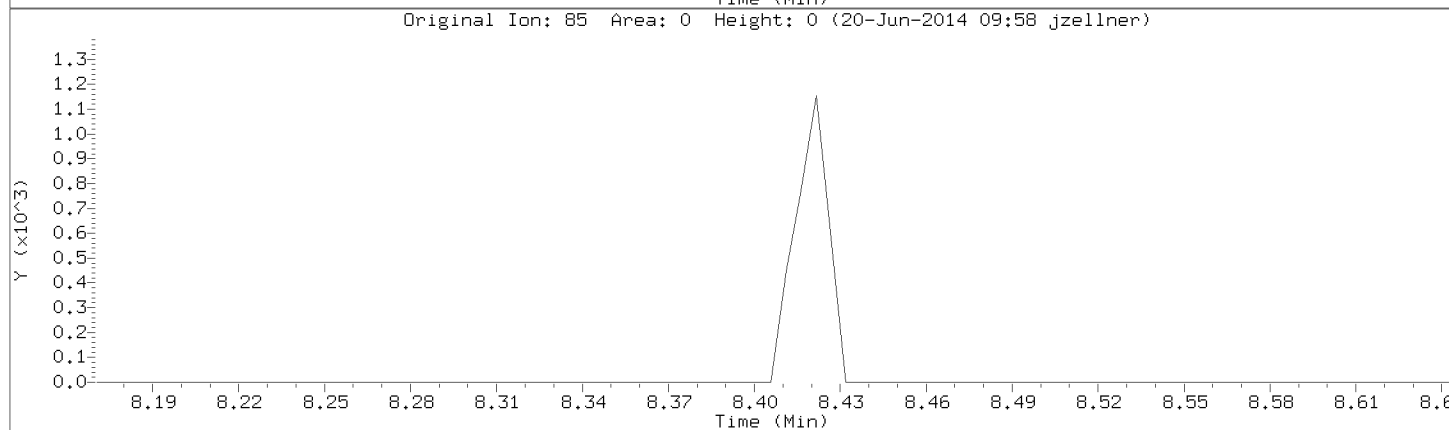
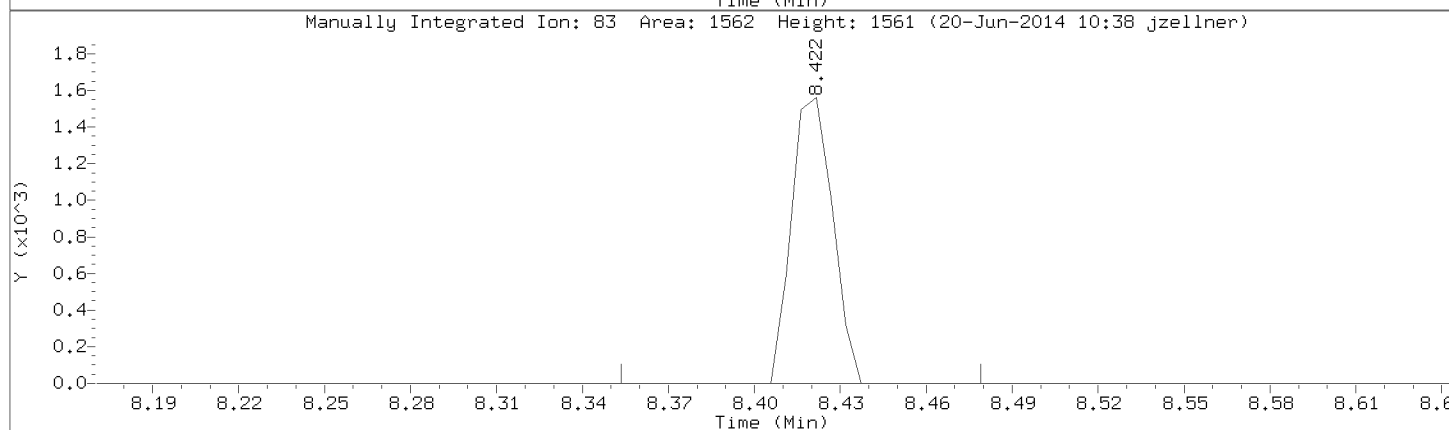
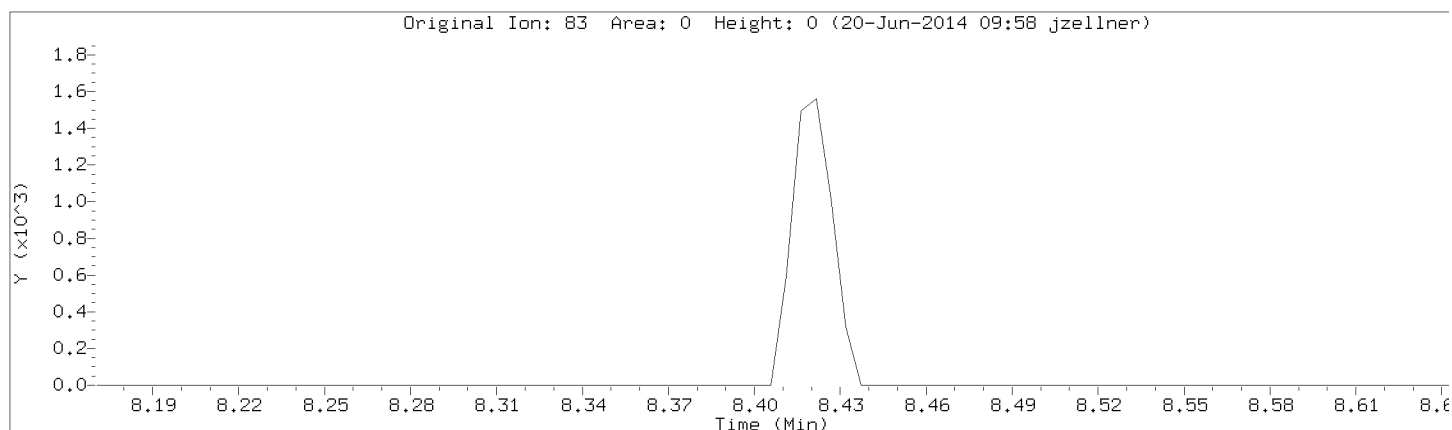
Injection Date: 19-JUN-2014 15:51

Instrument: 50mv3a.i

Lab Sample ID: 8260-CAL3,71099:0

Compound: 1,1,2,2-Tetrachloroethane

CAS Number: 79-34-5

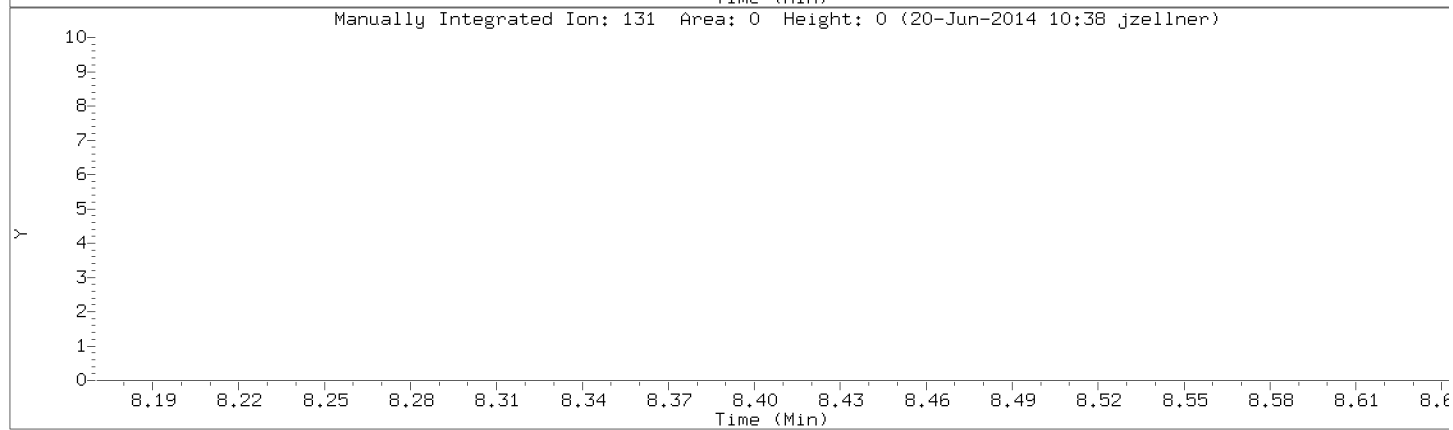
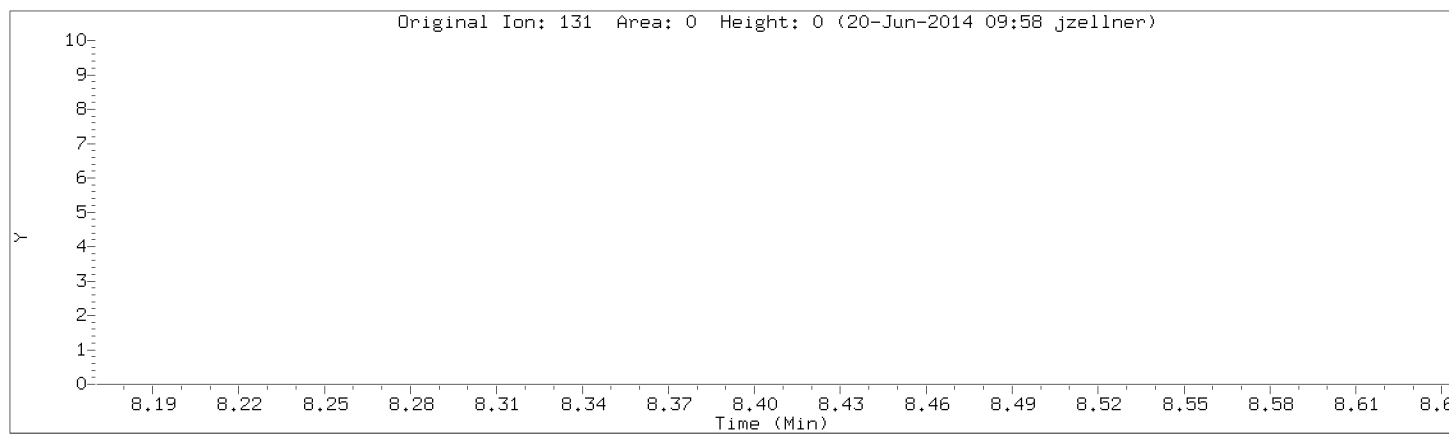


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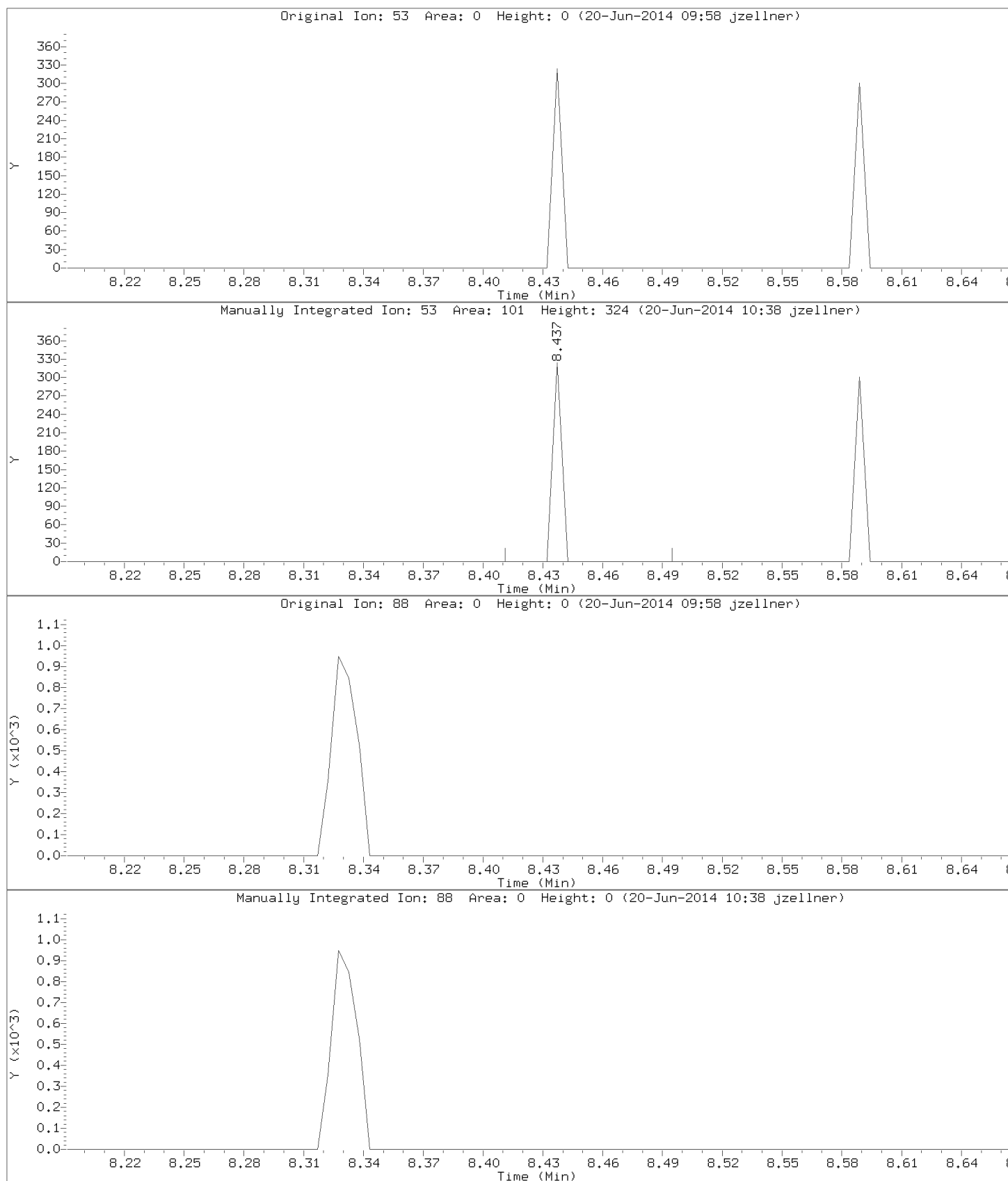
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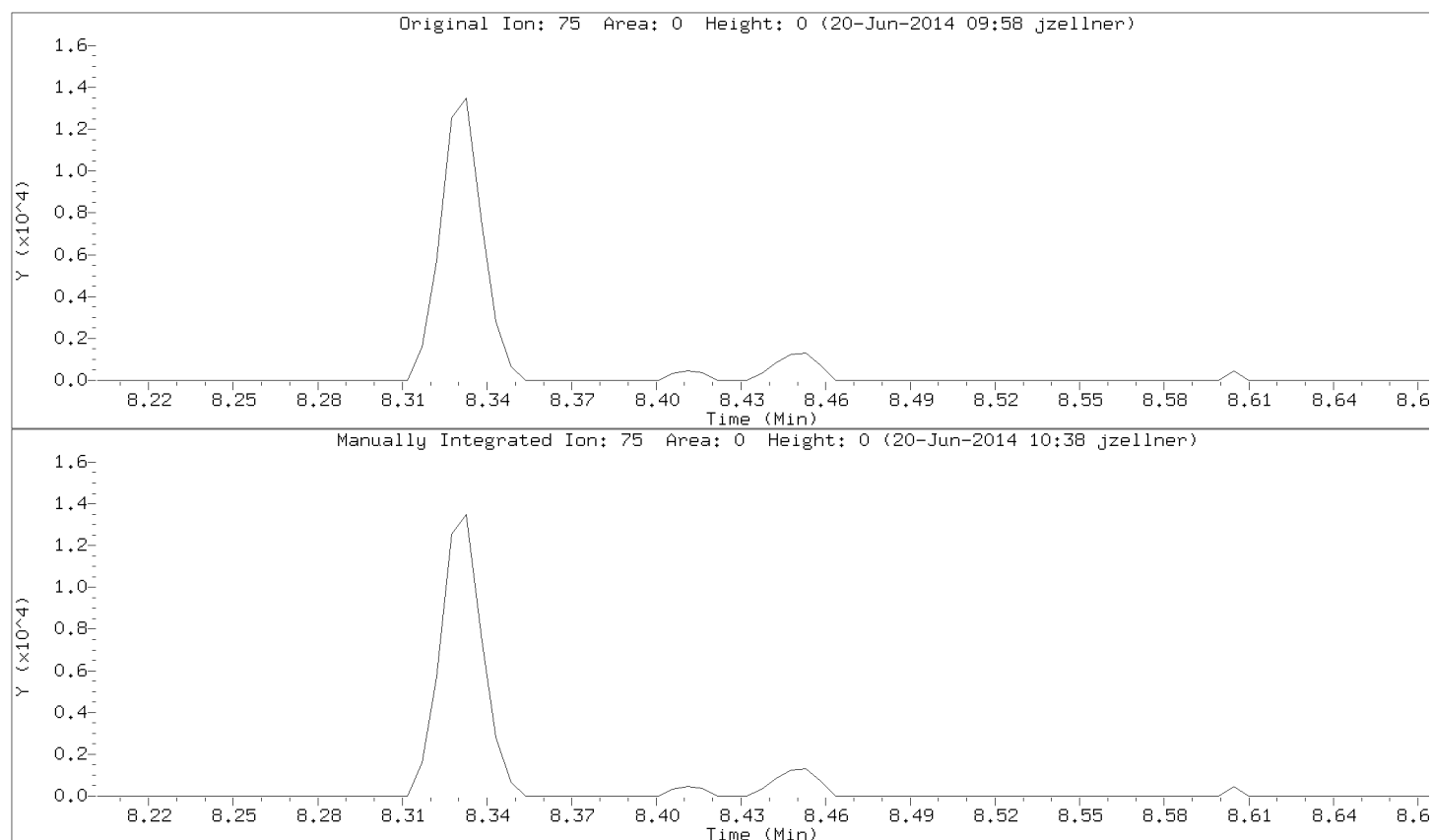


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Injection Date: 19-JUN-2014 15:51
Instrument: 50mv3a.i
Lab Sample ID: 8260-CAL3,71099:0

Compound: trans-1,4-Dichloro-2-butene
CAS Number:



Data File: \\192.168.50.6\chem\50mv3a.i\a061914cal.b/a03cal.d
Injection Date: 19-JUN-2014 15:51
Instrument: 50mv3a.i
Lab Sample ID: 8260-CAL3,71099:0



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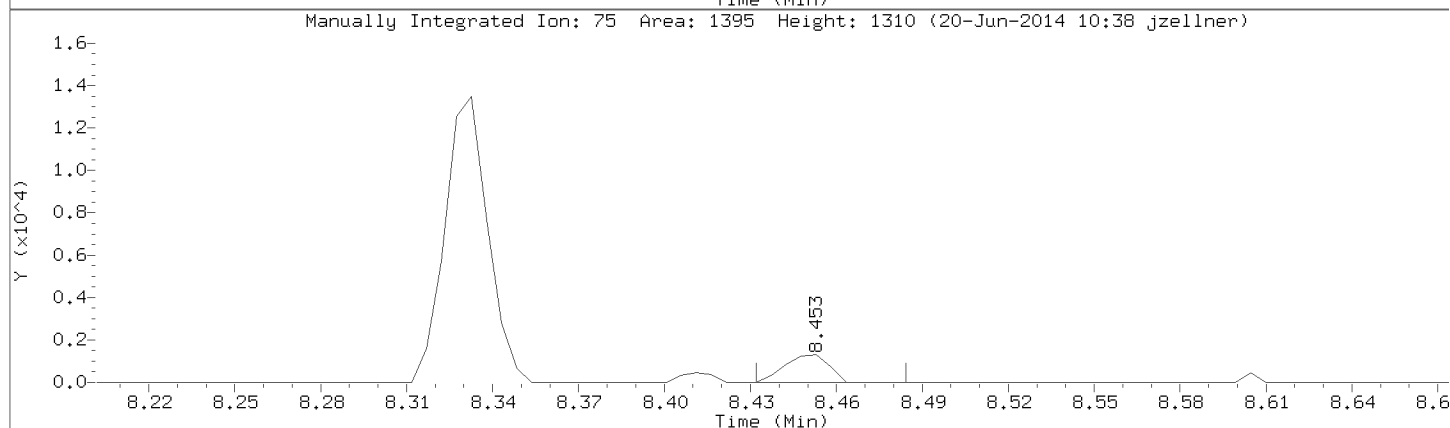
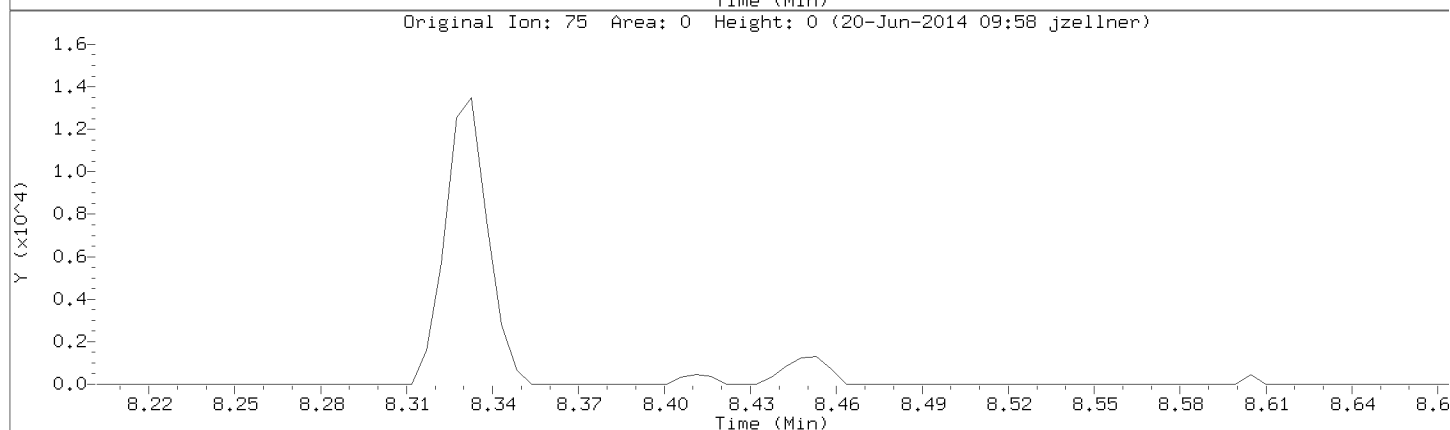
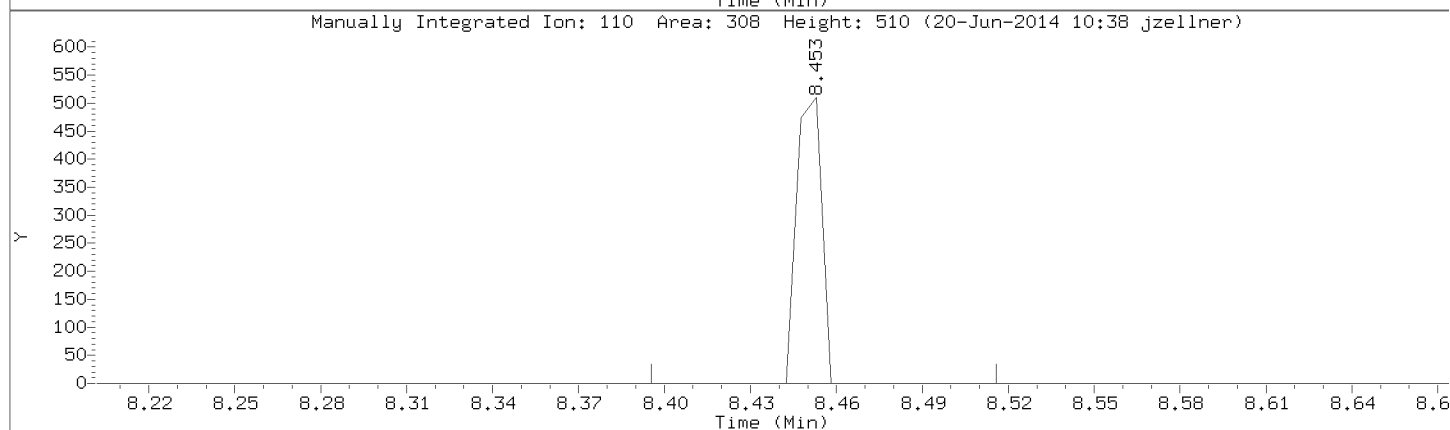
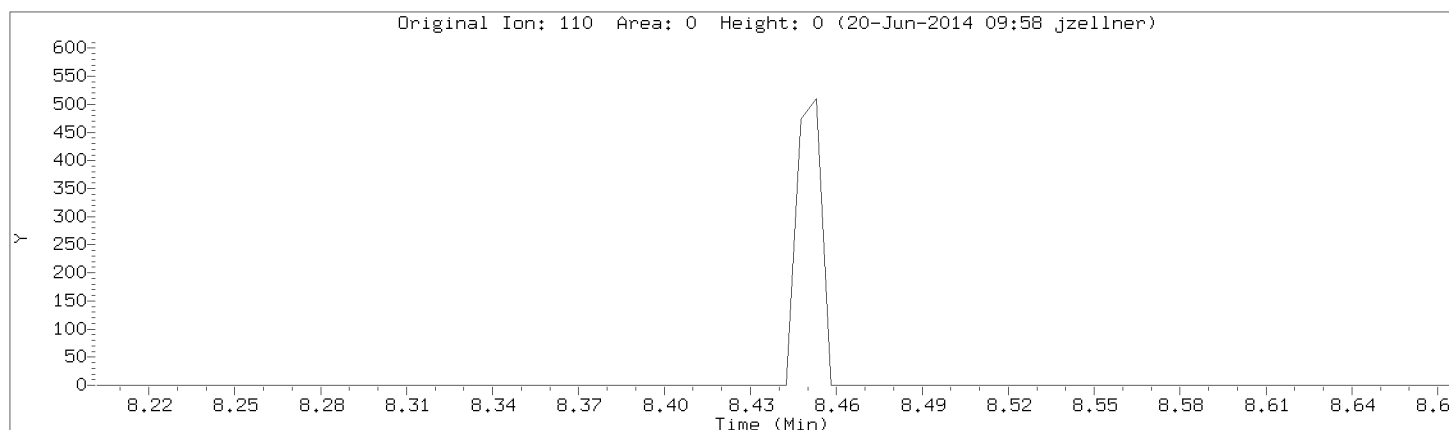
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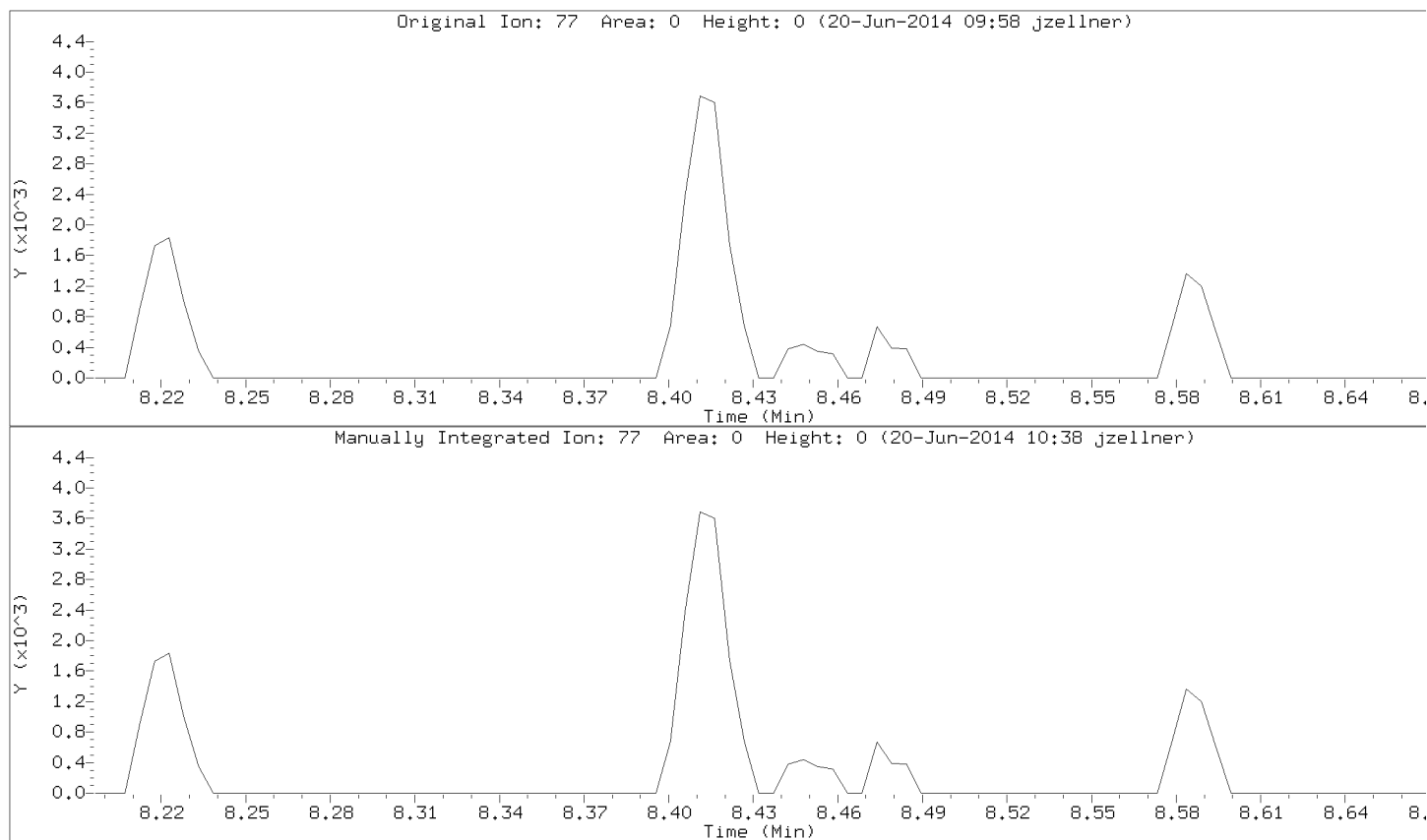
Lab Sample ID: 8260-CAL3,71099:0

Compound: 1,2,3-Trichloropropane

CAS Number: 96-18-4



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Injection Date: 19-JUN-2014 15:51
Instrument: 50mv3a.i
Lab Sample ID: 8260-CAL3,71099:0



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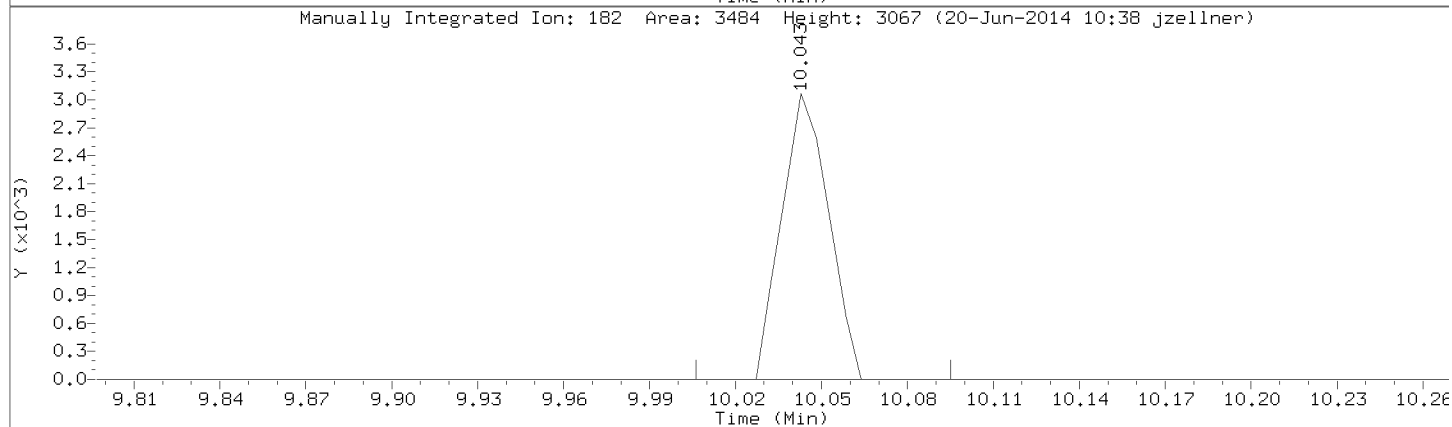
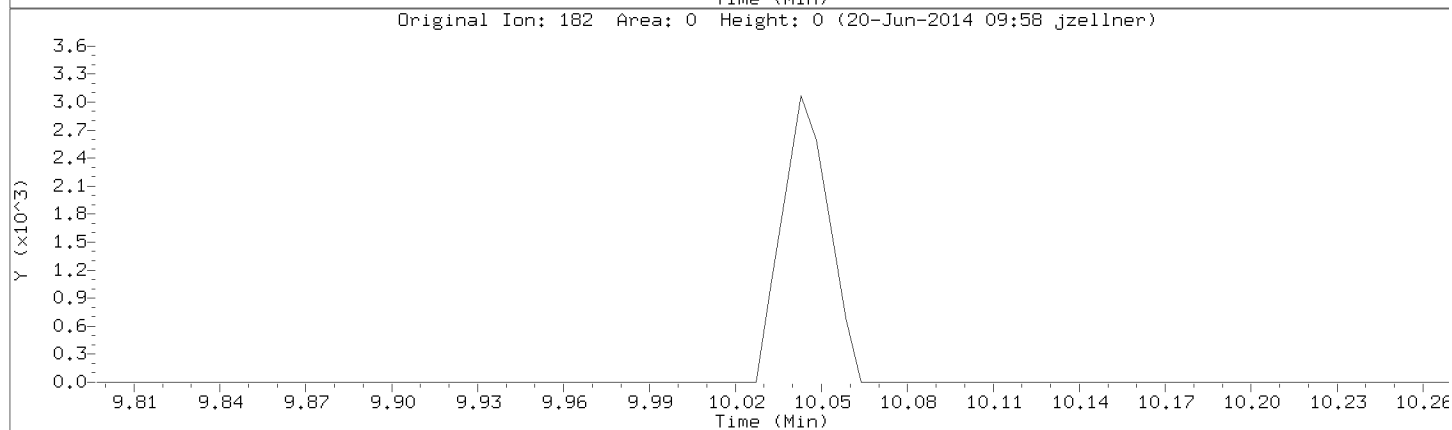
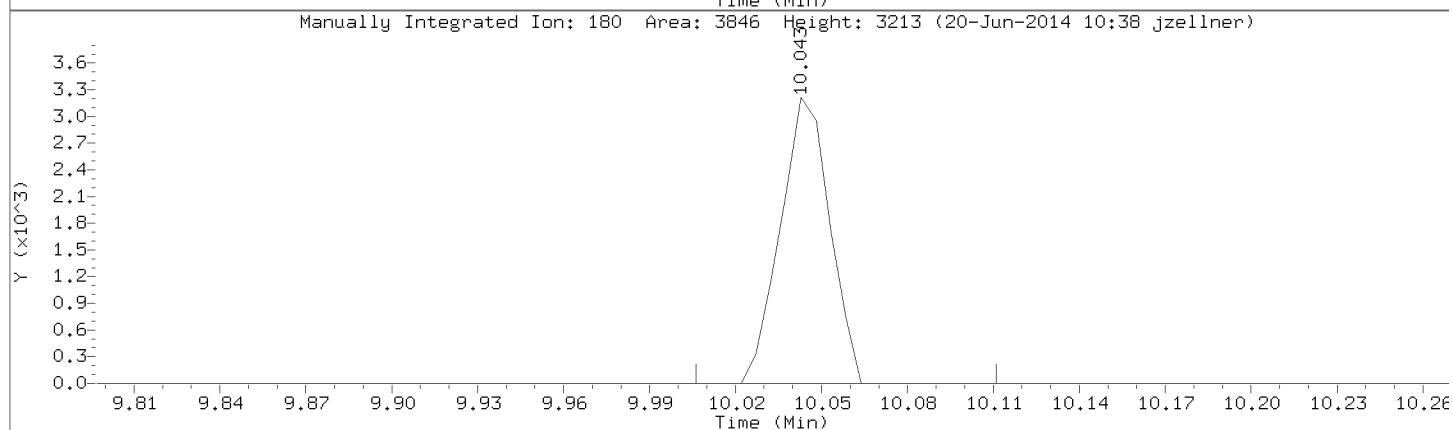
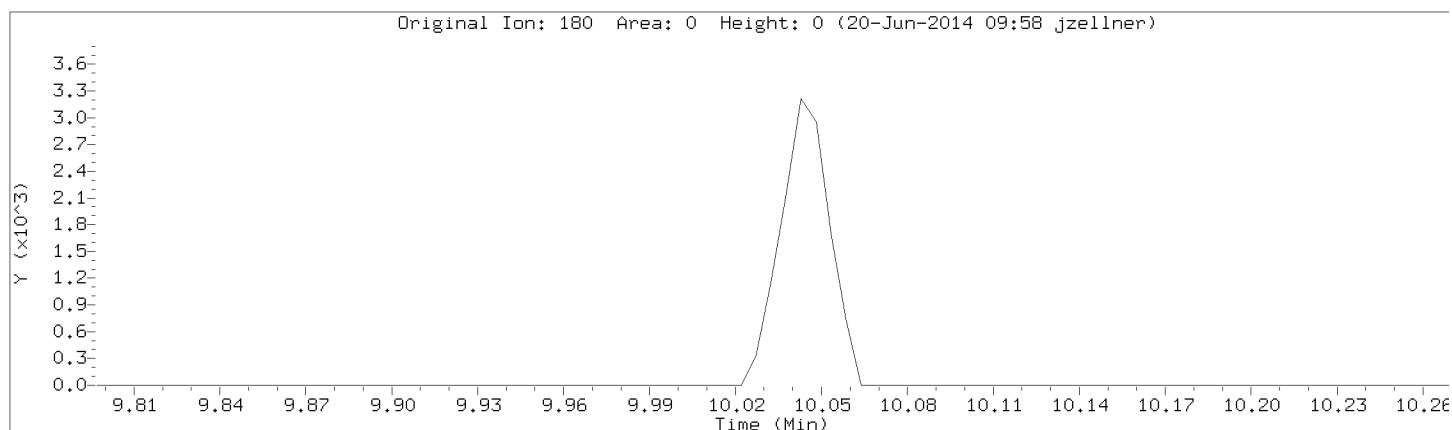
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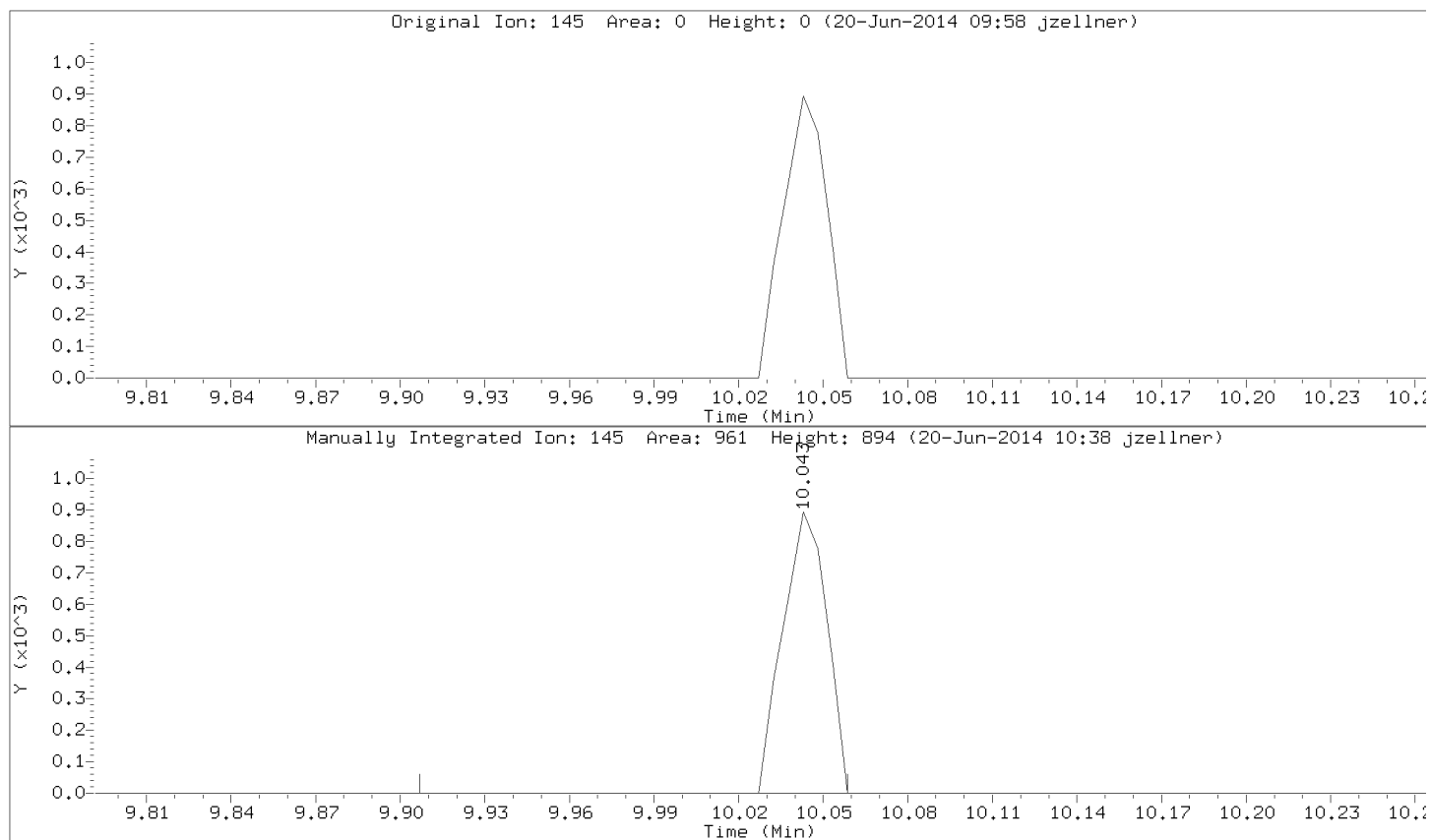
Lab Sample ID: 8260-CAL3,71099:0

Compound: 1,2,4-Trichlorobenzene

CAS Number: 120-82-1



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Instrument: 50mv3a.i
Lab Sample ID: 8260-CAL3,71099:0



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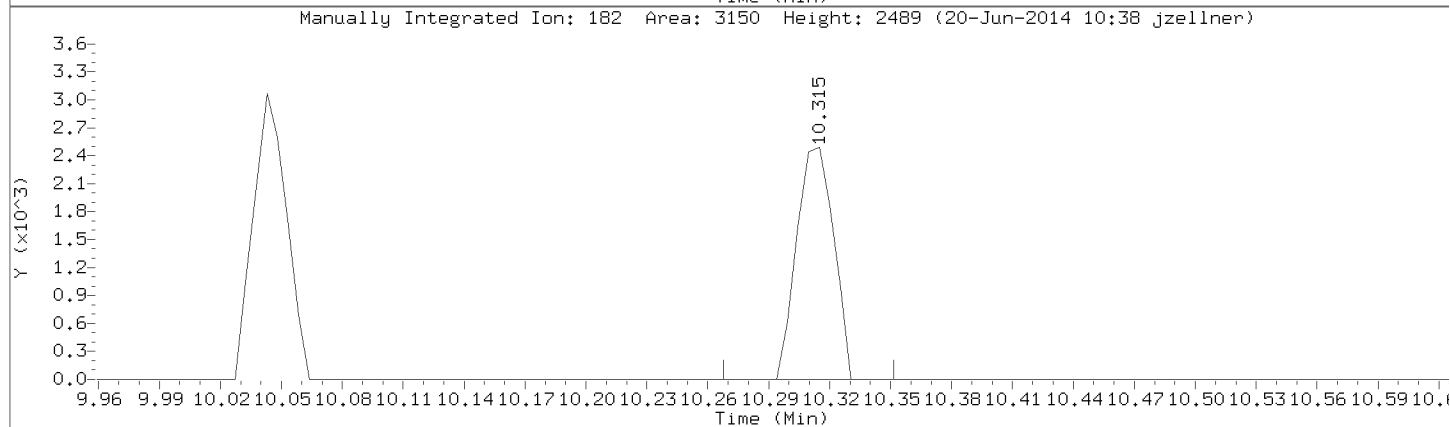
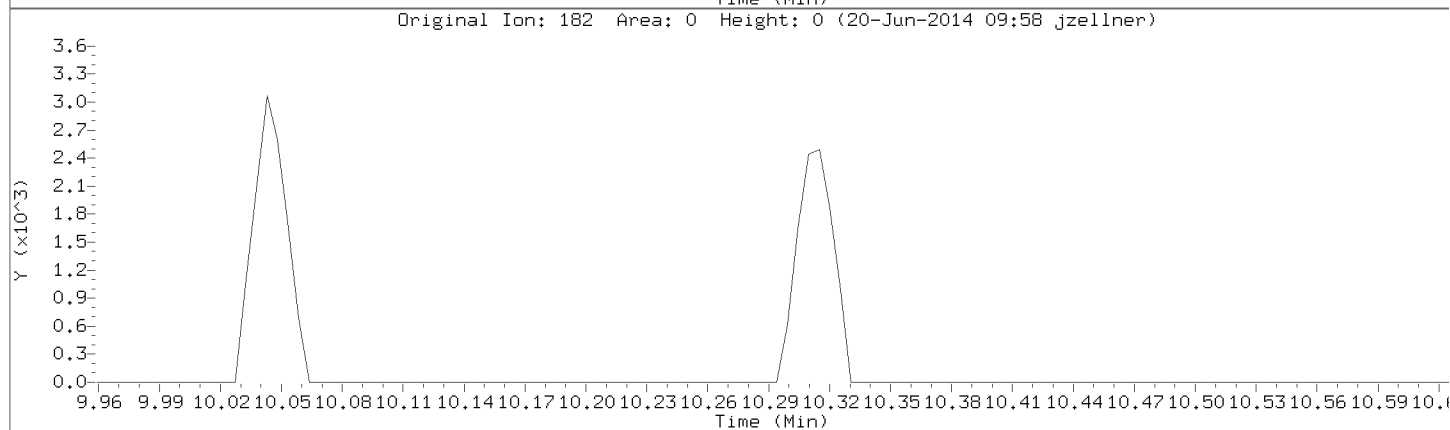
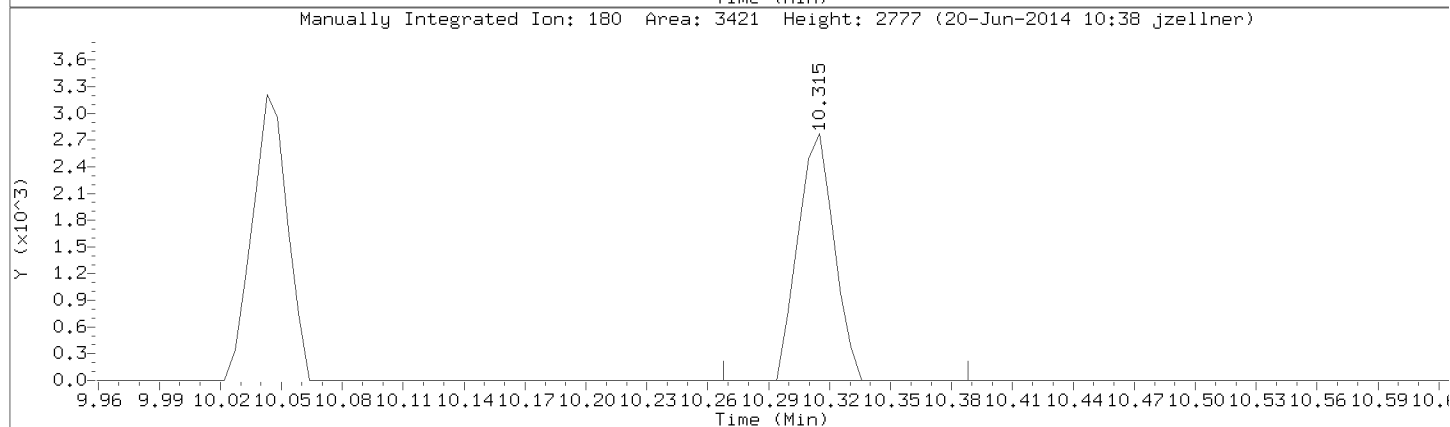
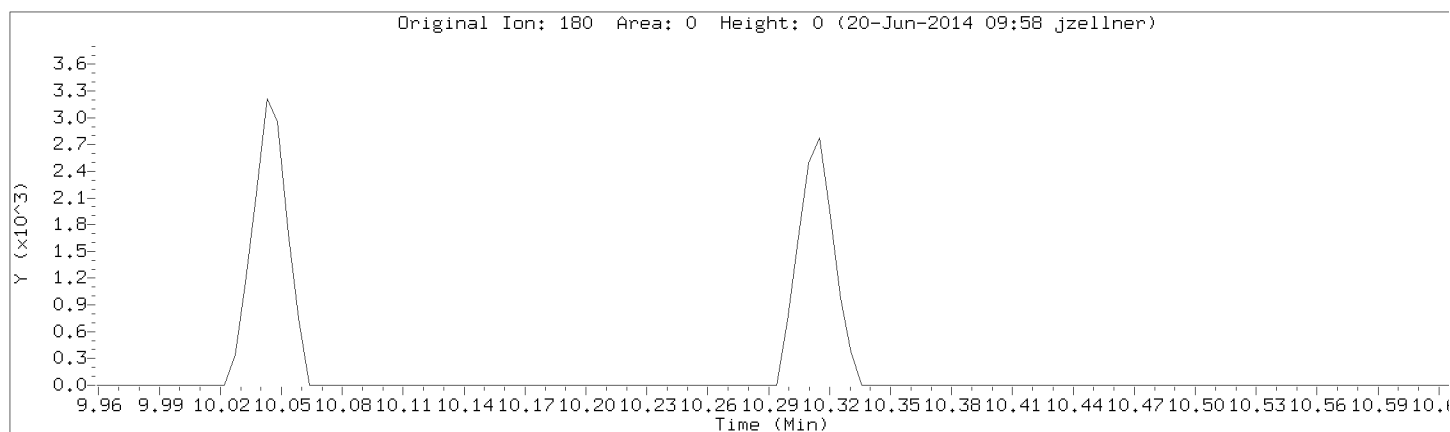
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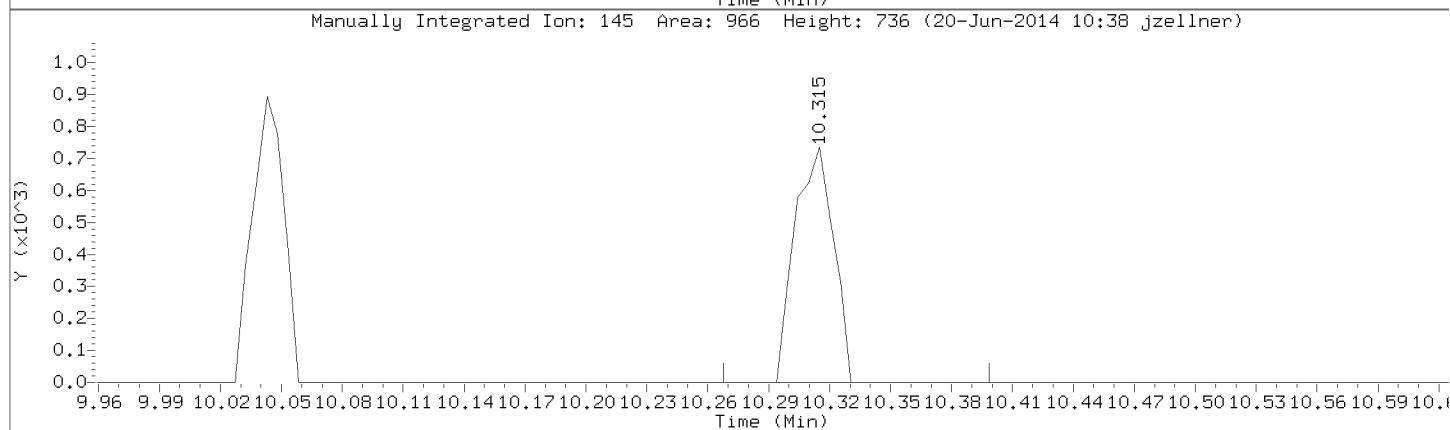
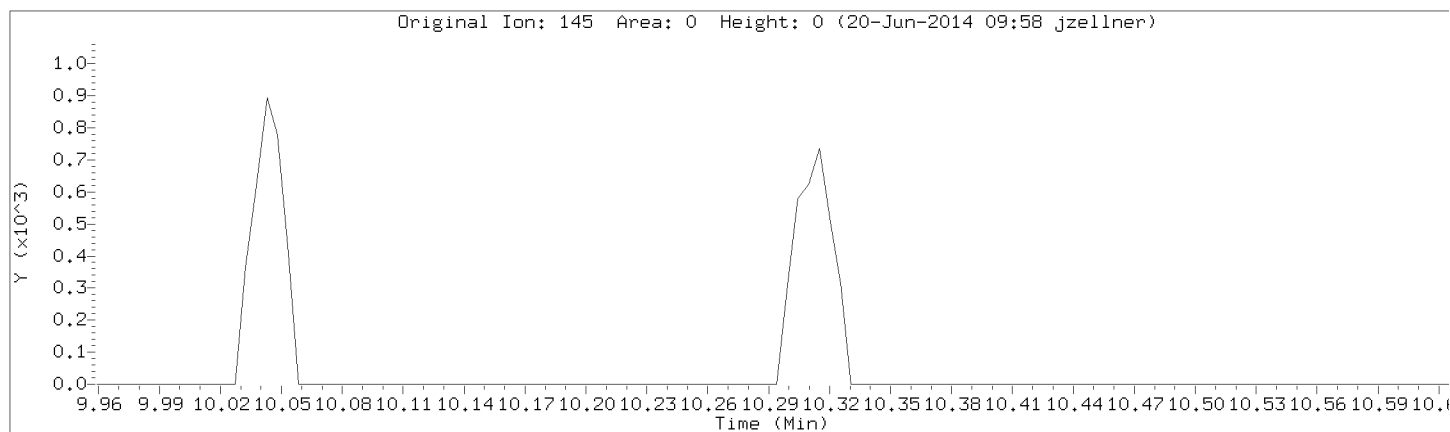
Lab Sample ID: 8260-CAL3,71099:0

Compound: 1,2,3-Trichlorobenzene

CAS Number: 87-61-6

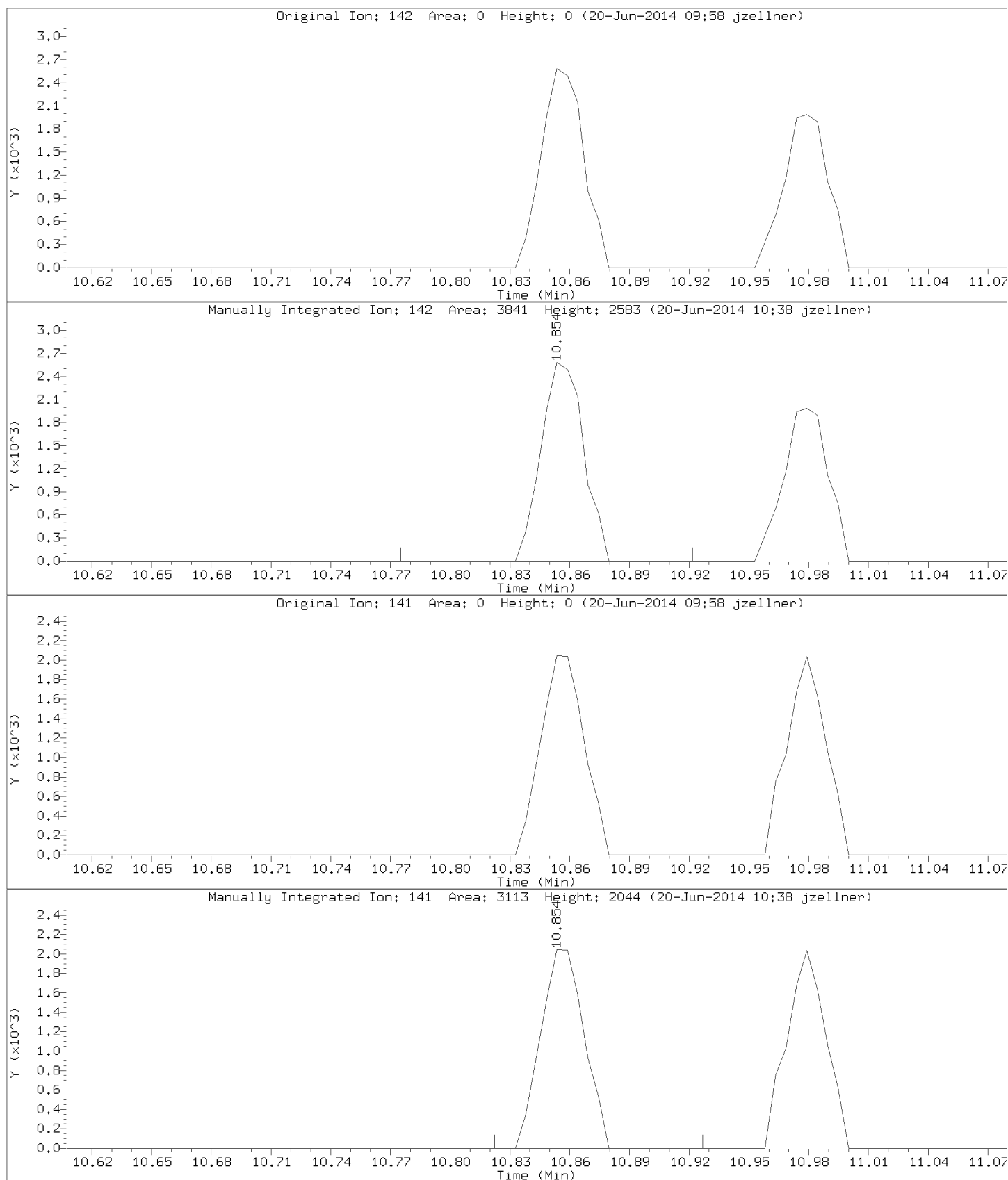


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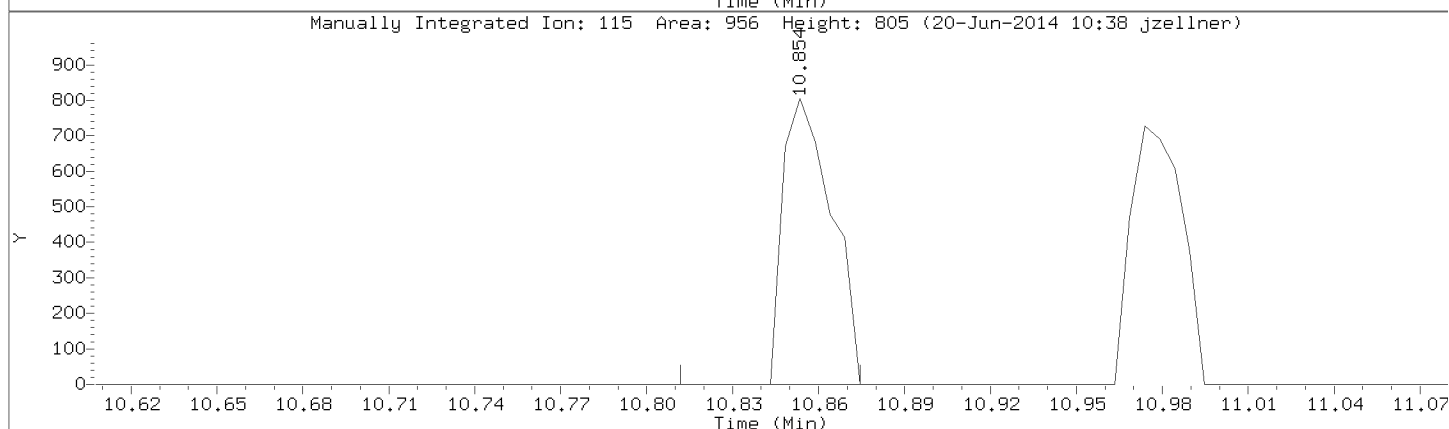
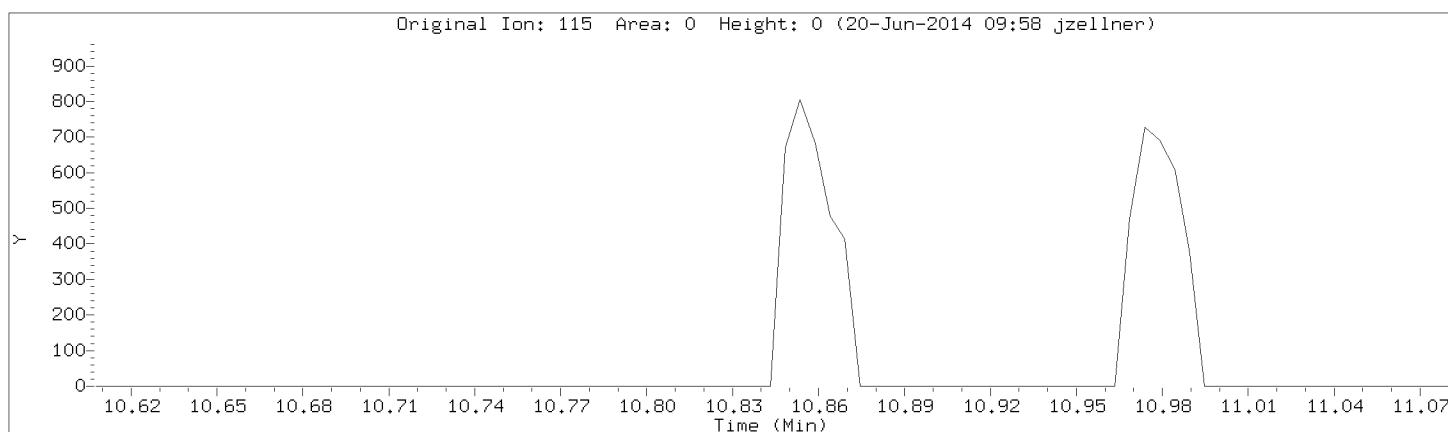


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Instrument: 50mv3a.i
Lab Sample ID: 8260-CAL3,71099:0

Compound: 2,methyl-naphthalene
CAS Number:

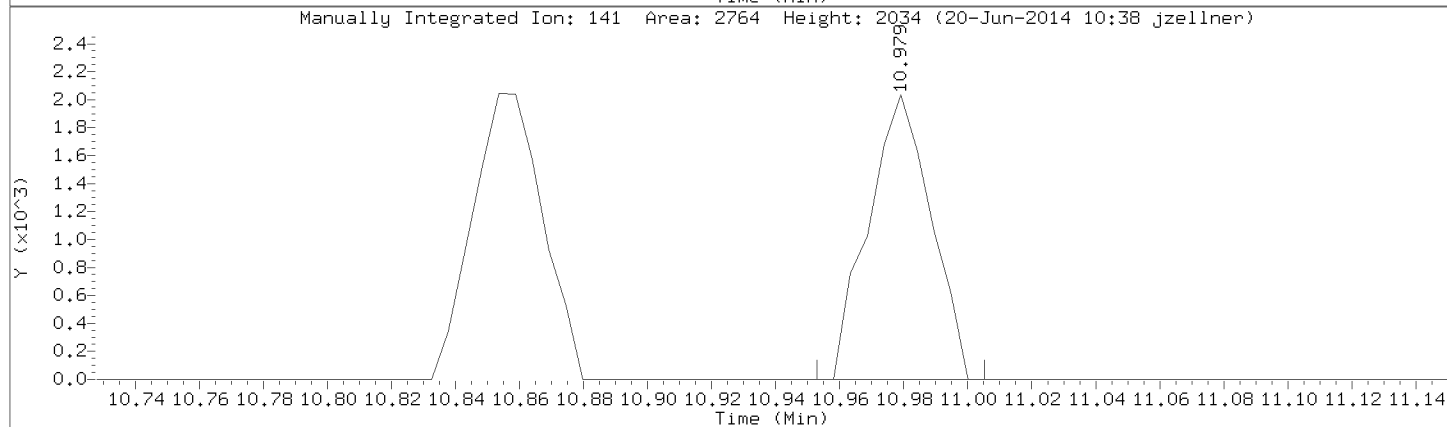
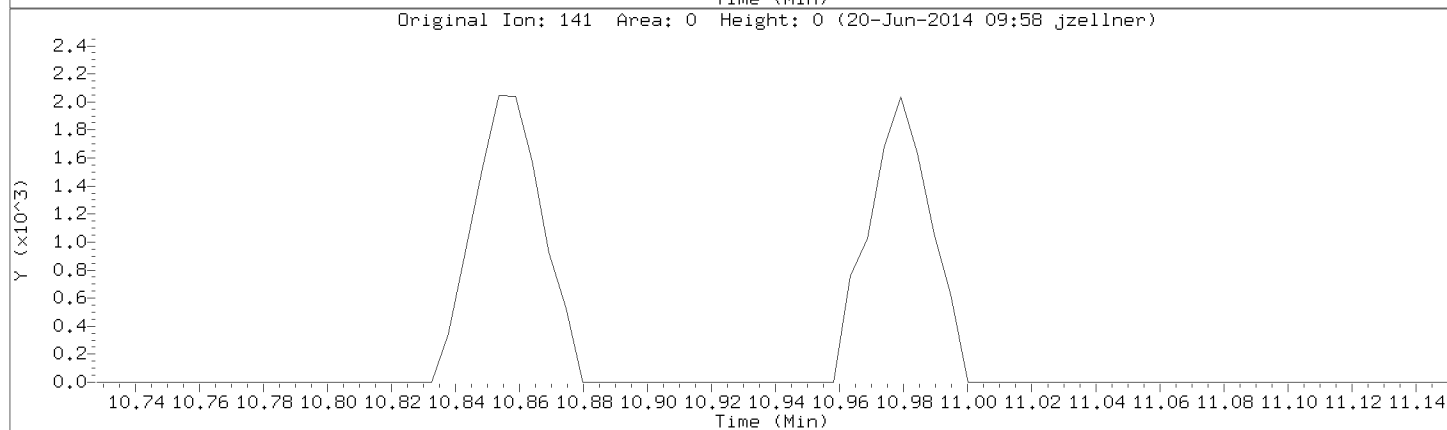
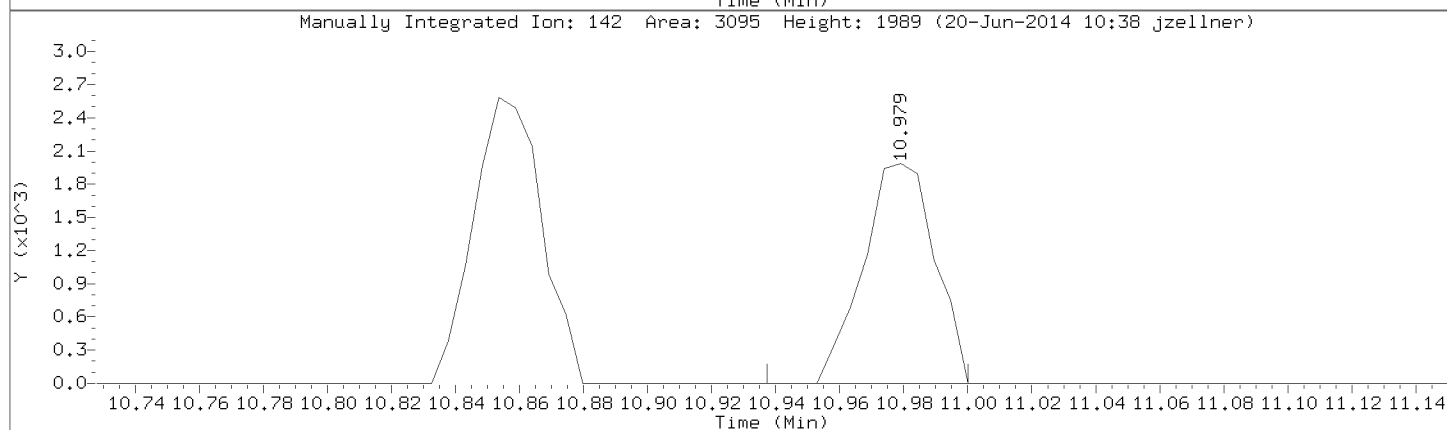
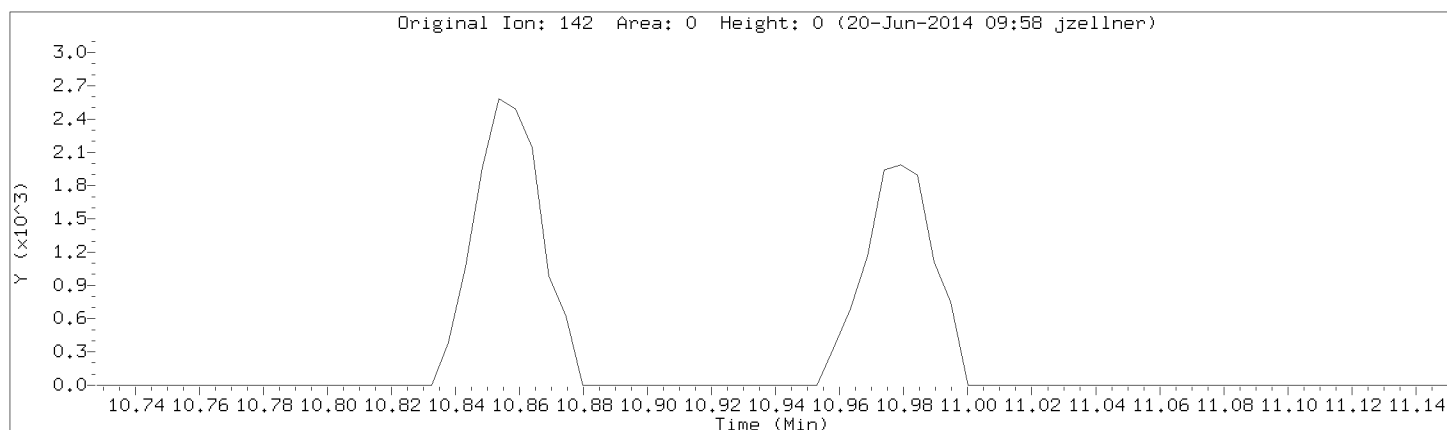


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Lab Sample ID: 8260-CAL3,71099:0

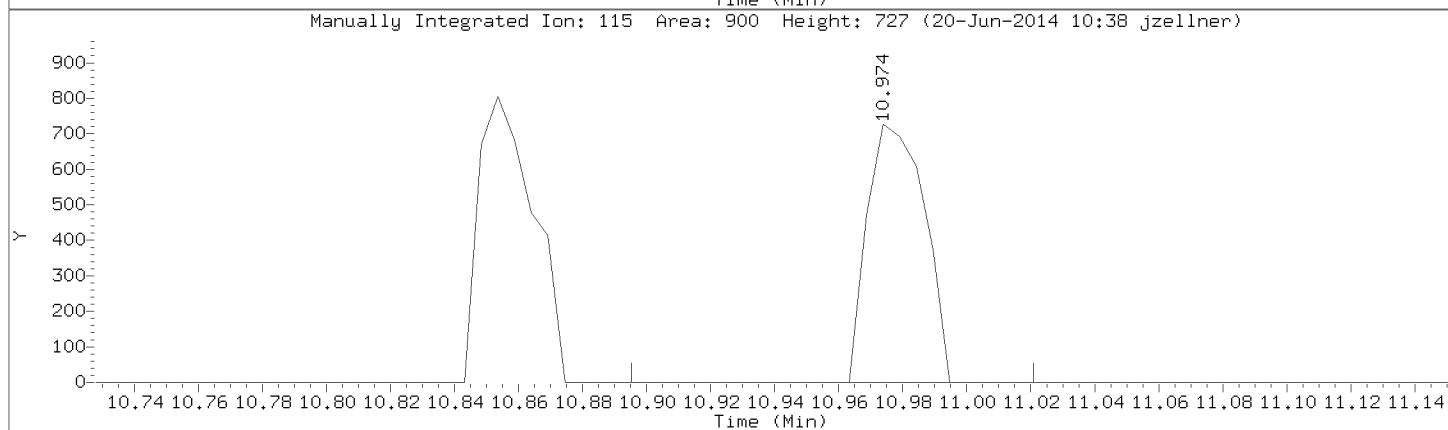
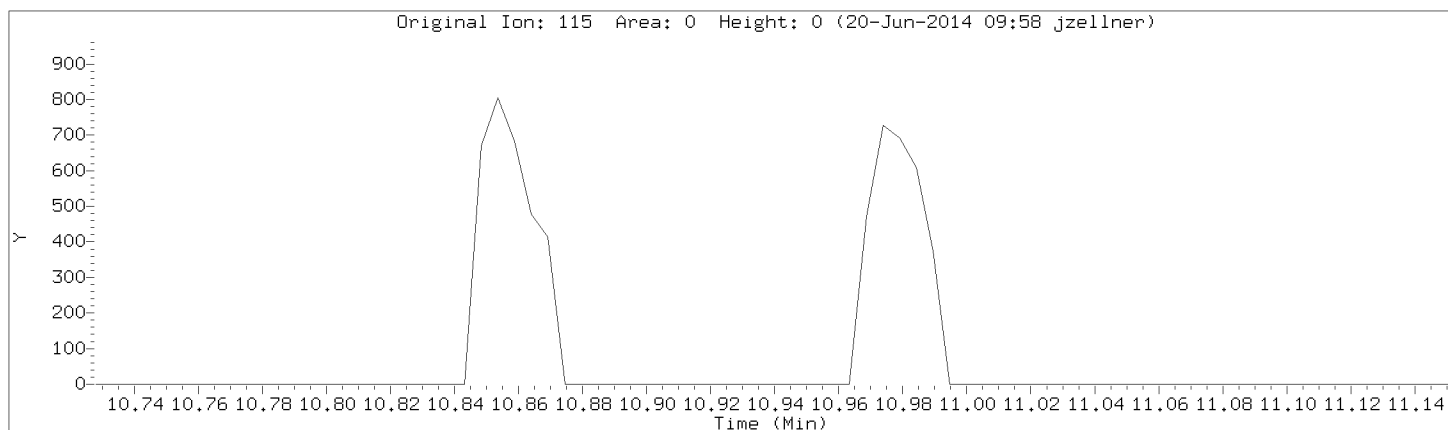


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Injection Date: 19-JUN-2014 15:51
Instrument: 50mv3a.i
Lab Sample ID: 8260-CAL3,71099:0

Compound: 1-Methylnaphthalene
CAS Number: 90-12-0



Data File: \\192.168.50.6\chem\50mv3a.i\a061914cal.b/a03cal.d
Injection Date: 19-JUN-2014 15:51
Instrument: 50mv3a.i
Lab Sample ID: 8260-CAL3,71099:0



Pace Analytical Services, Inc.

Data file : \\192.168.50.6\chem\50mv3a.i\a061914cal.b\a04cal.d
 Lab Smp Id: 8260-CAL4,71100:0 Client Smp ID: 8260-CAL4,71100:0
 Inj Date : 19-JUN-2014 16:23
 Operator : jlz Inst ID: 50mv3a.i
 Smp Info : 8260-cal4,71100:0
 Misc Info : 65925
 Comment :
 Method : \\192.168.50.6\chem\50mv3a.i\a061914cal.b\ -a8260_a_c.m
 Meth Date : 20-Jun-2014 13:40 50mv3a.i Quant Type: ISTD
 Cal Date : 19-JUN-2014 16:23 Cal File: a04cal.d
 Als bottle: 9 Calibration Sample, Level: 4
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: all.sub
 Target Version: 4.14

Concentration Formula: Amt * DF * Uf/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT	SIG	AMOUNTS					REVIEW	C	
			MASS	RT	EXP RT	REL RT	RESPONSE			CAL-AMT (ug/L)
1 Dichlorodifluoromethane	85		1.030	1.028	(0.232)	7100	10.0000	10.8 (T)		
2 Chloromethane	50		1.124	1.122	(0.253)	6131	10.0000	10.9		
3 Vinyl Chloride	62		1.135	1.138	(0.255)	5758	10.0000	11.6		
4 Bromomethane	94		1.292	1.289	(0.290)	938	10.0000	13.8 (M)	NI	
5 Chloroethane	64		1.344	1.342	(0.302)	3198	10.0000	10.1		
6 Trichlorofluoromethane	101		1.464	1.467	(0.329)	8929	10.0000	10.2		
7 Diethyl ether	74		1.595	1.596	(0.358)	1910	10.0000	8.67		
8 1,2-dichlorotrifluoroethane	67		1.616	1.617	(0.363)	5799	10.0000	9.11		
9 Acrolein	56		1.673	1.676	(0.376)	6389	200.000	198		
10 1,1,2trichlorotrifluoroethane	101		1.731	1.732	(0.389)	4901	10.0000	9.15		
11 1,1-Dichloroethene	96		1.736	1.739	(0.390)	4169	10.0000	8.99		
12 Acetone	43		1.747	1.750	(0.393)	3267	50.0000	44.0 (M)	NI	
13 Iodomethane	142		1.836	1.833	(0.412)	1983	20.0000	21.8 (M)	NI	
14 Carbon Disulfide	76		1.888	1.886	(0.424)	25082	20.0000	18.6		
15 Methyl Acetate	43		1.930	1.933	(0.434)	1745	10.0000	9.12 (M)	NI	
16 allyl chloride	41		1.945	1.947	(0.437)	13600	20.0000	18.6		
17 Methylene Chloride	84		2.029	2.032	(0.456)	8695	10.0000	8.89		
19 Acrylonitrile	53		2.176	2.173	(0.489)	15847	200.000	172		
20 Methyl-tert-butyl ether	73		2.202	2.205	(0.495)	18104	20.0000	16.8		
21 1,2-Dichloroethene (trans)	96		2.217	2.215	(0.498)	4880	10.0000	9.11		
22 n-Hexane	57		2.416	2.414	(0.543)	8209	10.0000	8.90 (M)	NI	
23 Vinyl Acetate	43		2.536	2.534	(0.570)	20712	40.0000	51.4		
24 1,1-Dichloroethane	63		2.542	2.545	(0.571)	7730	10.0000	8.44 (M)	NI	

Compounds	QUANT MASS	SIG	AMOUNTS					REVIEW C	
			RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/L)		ON-COL (ug/L)
25 2-Butanone	43		3.044	3.041 (0.684)		5053	50.0000	41.7 (M)	NI
26 1,2-Dichloroethene (cis)	96		3.065	3.057 (0.689)		4720	10.0000	8.67	
27 2,2-Dichloropropane	77		3.065	3.068 (0.689)		4088	10.0000	12.6 (M)	NI
29 Bromochloromethane	49		3.311	3.313 (0.744)		2591	10.0000	9.38	
30 Tetrahydrofuran	42		3.337	3.333 (0.750)		465	10.0000	6.56 (QM)	NI
31 Chloroform	83		3.431	3.428 (0.771)		7808	10.0000	8.76	
\$ 32 Dibromofluoromethane (S)	113		3.619	3.617 (0.813)		18901	50.0000	47.8	
33 1,1,1-Trichloroethane	97		3.619	3.622 (0.813)		6363	10.0000	8.06	
34 Cyclohexane	56		3.703	3.711 (0.832)		8204	10.0000	8.90	
35 Carbon Tetrachloride	117		3.818	3.815 (0.858)		4139	10.0000	11.7 (M)	NI
36 1,1-Dichloropropene	75		3.823	3.826 (0.859)		6859	10.0000	8.68	
37 Benzene	78		4.069	4.067 (0.914)		18418	10.0000	9.35	
38 1,2-Dichloroethane	62		4.153	4.150 (0.933)		4743	10.0000	8.42 (M)	NI
39 Isobutyl alcohol	43		4.236	4.237 (0.952)		3727	10.0000	8.80 (M)	NI
40 2,2,4-Trimethylpentane	57		4.236	4.239 (0.952)		20238	10.0000	9.02	
* 41 Fluorobenzene (IS)	96		4.451	4.448 (1.000)		85026	50.0000		
42 Trichloroethene	95		4.885	4.882 (1.098)		4600	10.0000	8.55	
43 Methylcyclohexane	55		5.146	5.149 (1.156)		6820	10.0000	8.73	
44 1,2-Dichloropropane	63		5.183	5.181 (1.164)		4051	10.0000	8.95 (M)	NI
45 Dibromomethane	93		5.282	5.280 (1.187)		1694	10.0000	8.52	
47 Methyl methacrylate	69		5.288	5.290 (1.188)		1396	10.0000	10.7 (QM)	NI
48 Bromodichloromethane	83		5.497	5.494 (1.235)		4702	10.0000	8.20 (M)	NI
49 2-Chloroethyl vinyl ether	63		5.837	5.834 (0.776)		1979	20.0000	17.1 (M)	NI
50 cis-1,3-Dichloropropene	75		5.983	5.981 (0.795)		4479	10.0000	9.74	
51 4-Methyl-2-Pentanone	43		6.156	6.153 (0.818)		11429	50.0000	41.7	
\$ 52 Toluene-d8 (S)	98		6.260	6.258 (0.832)		81282	50.0000	50.6	
53 Toluene	91		6.334	6.331 (0.842)		21181	10.0000	9.22	
54 trans-1,3-Dichloropropene	75		6.595	6.593 (0.876)		2984	10.0000	11.2 (M)	NI
55 Ethyl Methacrylate	69		6.668	6.666 (0.886)		2551	10.0000	9.33 (M)	NI
56 1,1,2-Trichloroethane	83		6.768	6.765 (0.899)		2332	10.0000	9.07	
57 Tetrachloroethene	166		6.820	6.823 (0.906)		5874	10.0000	8.94	
58 1,3-Dichloropropane	76		6.904	6.901 (0.917)		5124	10.0000	8.82	
59 2-Hexanone	43		6.966	6.964 (0.926)		7738	50.0000	41.3 (M)	NI
60 Dibromochloromethane	129		7.081	7.079 (0.941)		2594	10.0000	9.46	
61 1,2-Dibromoethane	107		7.165	7.163 (0.952)		2138	10.0000	7.80	
* 62 Chlorobenzene-D5 (IS)	117		7.526	7.524 (1.000)		60436	50.0000		
63 Chlorobenzene	112		7.547	7.545 (1.003)		12914	10.0000	8.95	
64 1,1,1,2-Tetrachloroethane	131		7.620	7.618 (1.013)		3229	10.0000	7.52	
65 Ethylbenzene	106		7.625	7.623 (1.013)		7823	10.0000	9.09 (H)	WP
66 m&p-Xylene	106		7.720	7.717 (1.026)		19111	20.0000	18.2	
67 o-Xylene	106		7.976	7.979 (1.060)		8538	10.0000	8.71	
68 Styrene	104		7.997	7.994 (1.063)		14280	10.0000	8.83	
69 Bromoform	173		8.112	8.115 (0.901)		1253	10.0000	11.7 (M)	NI
70 Isopropylbenzene	105		8.222	8.219 (1.092)		24557	10.0000	8.94	
\$ 71 4-Bromofluorobenzene (S)	95		8.331	8.329 (1.107)		28442	50.0000	50.5	
72 Bromobenzene	77		8.410	8.413 (1.117)		8412	10.0000	9.01	
73 1,1,2,2-Tetrachloroethane	83		8.420	8.418 (0.935)		3028	10.0000	8.35	
74 trans-1,4-Dichloro-2-butene	53		8.441	8.439 (1.122)		478	10.0000	11.7 (QM)	NI
75 1,2,3-Trichloropropane	110		8.447	8.449 (0.938)		1009	10.0000	9.89	
76 n-Propylbenzene	91		8.478	8.476 (0.941)		29807	10.0000	9.36	
77 2-Chlorotoluene	91		8.530	8.528 (0.947)		16432	10.0000	9.21	
78 1,3,5-Trimethylbenzene	105		8.582	8.585 (0.953)		21526	10.0000	9.18	
79 4-Chlorotoluene	126		8.530	8.601 (0.947)		5967	10.0000	9.63 (Q)	
80 tert-Butylbenzene	119		8.766	8.763 (0.973)		23145	10.0000	9.18	

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS		REVIEW C
						CAL-AMT (ug/L)	ON-COL (ug/L)	
81 1,2,4-Trimethylbenzene	105	8.797	8.800 (0.977)		21715	10.0000	9.28	
82 sec-Butylbenzene	105	8.891	8.889 (0.987)		28946	10.0000	9.26	
83 1,3-Dichlorobenzene	146	8.959	8.962 (0.995)		11768	10.0000	9.22	
84 p-Isopropyltoluene	119	8.975	8.972 (0.997)		25239	10.0000	9.28	
* 85 1,4-Dichlorobenzene-d4 (IS)	152	9.006	9.004 (1.000)		32277	50.0000		
86 1,4-Dichlorobenzene	146	9.022	9.019 (1.002)		11625	10.0000	9.13	
87 n-Butylbenzene	91	9.194	9.192 (1.021)		22815	10.0000	9.32	
88 1,2-Dichlorobenzene	146	9.215	9.213 (1.023)		10073	10.0000	8.93	
89 1,2-Dibromo-3-chloropropane	155	10.110	9.621 (1.123)		659	10.0000	8.37 (QM)	NI
90 1,2,4-Trichlorobenzene	180	10.042	10.045 (1.115)		7512	10.0000	9.24	
91 Hexachlorobutadiene	225	10.110	10.107 (1.123)		4987	10.0000	9.70	
92 Naphthalene	128	10.193	10.191 (1.132)		12653	10.0000	9.02	
93 1,2,3-Trichlorobenzene	180	10.308	10.311 (1.145)		6793	10.0000	9.31	
94 2,methyl-naphthalene	142	10.852	10.855 (1.205)		7356	10.0000	8.36	
95 1-Methylnaphthalene	142	10.978	10.976 (1.219)		6461	10.0000	8.58	

QC Flag Legend

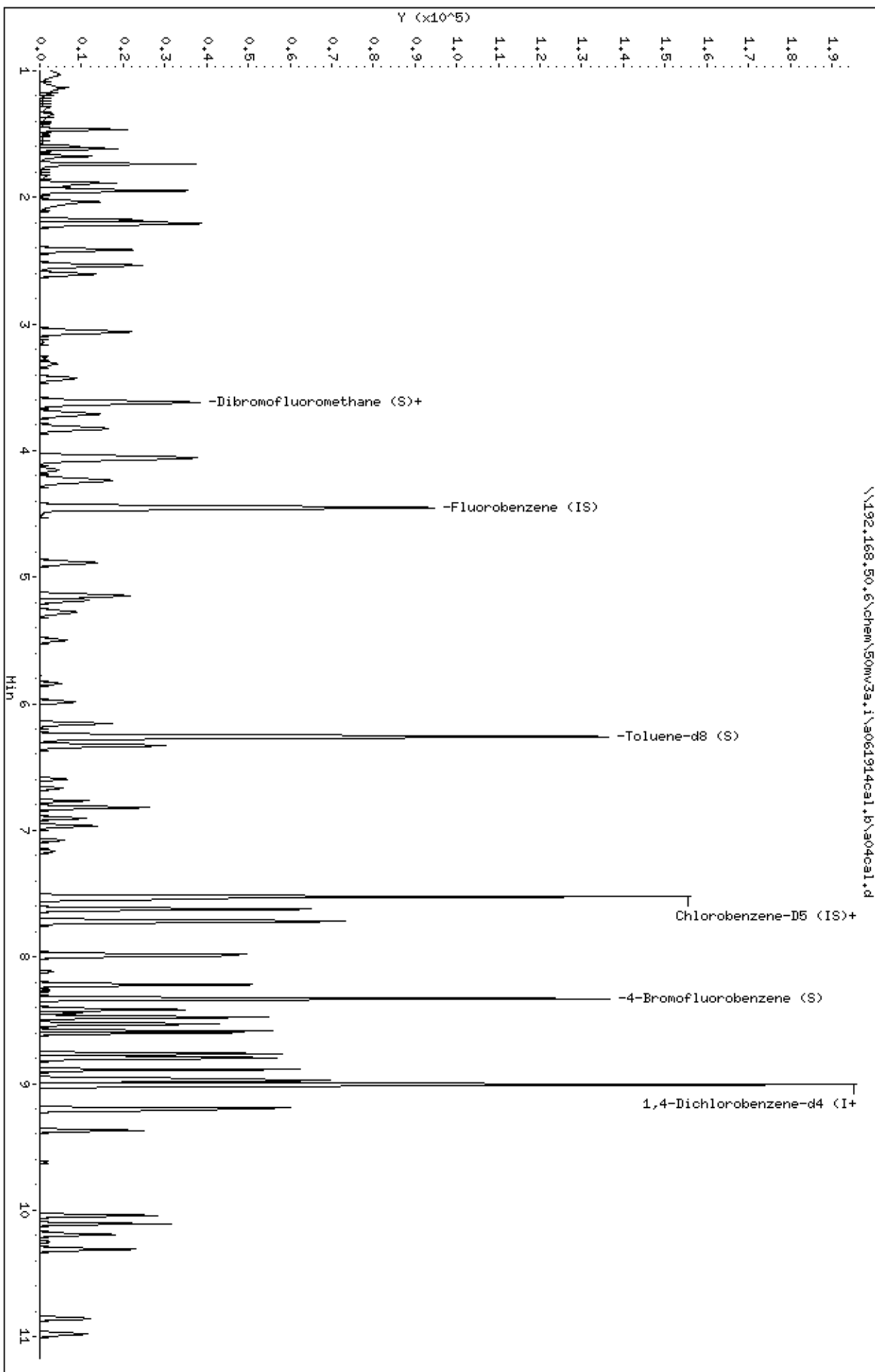
- T - Target compound detected outside RT window.
- Q - Qualifier signal failed the ratio test.
- M - Compound response manually integrated.
- H - Operator selected an alternate compound hit.

Review Codes Legend

- :
NI: Indicates that the peak was not integrated at all by the computer software.
- WP: Indicates that the wrong peak was chosen by the data system.

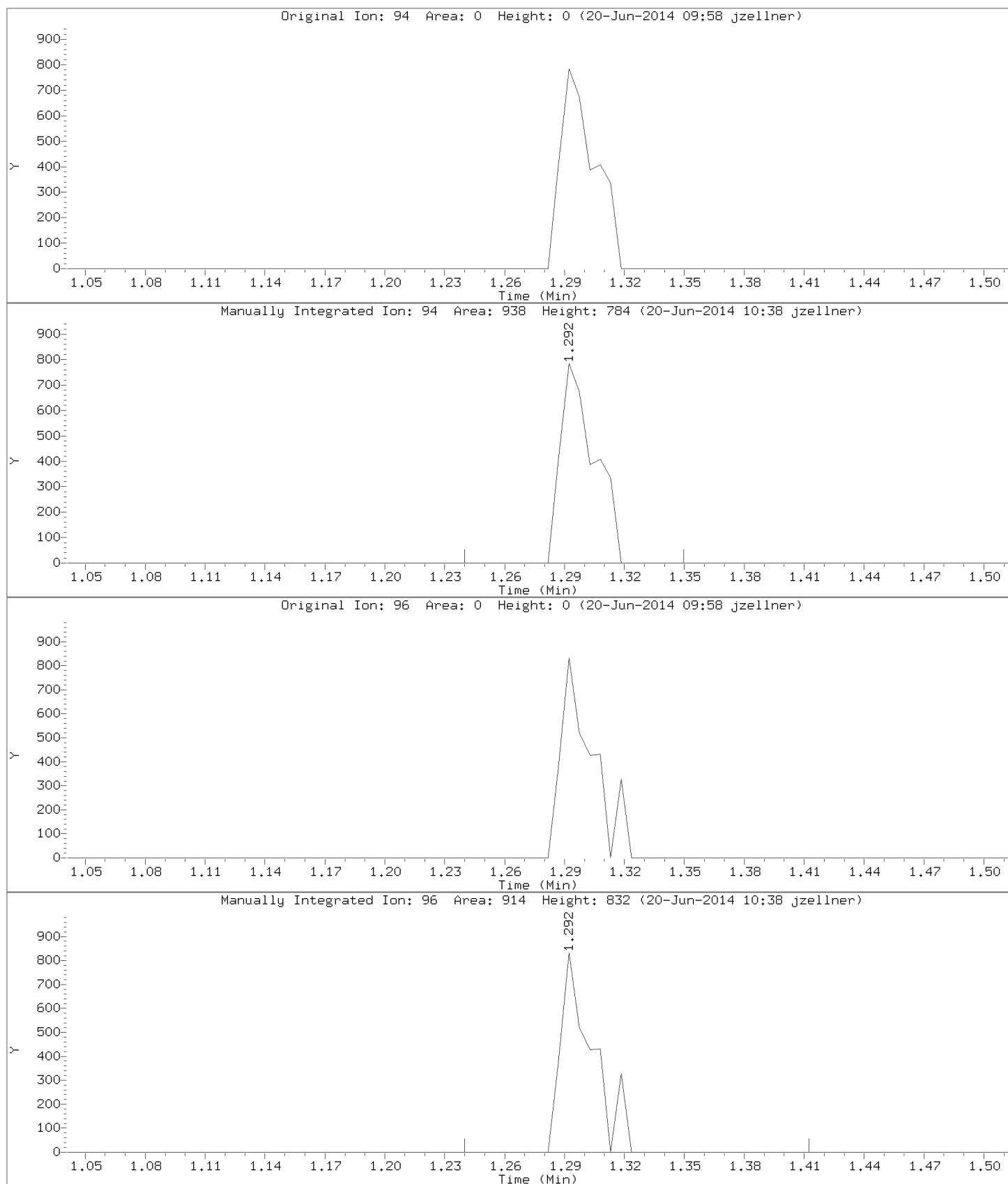
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Client ID: 8260-CAL4,7110010
Sample Info: 8260-CAL4,7110010
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50mw3a.1
Operator: JIZ
Column diameter: 0.18



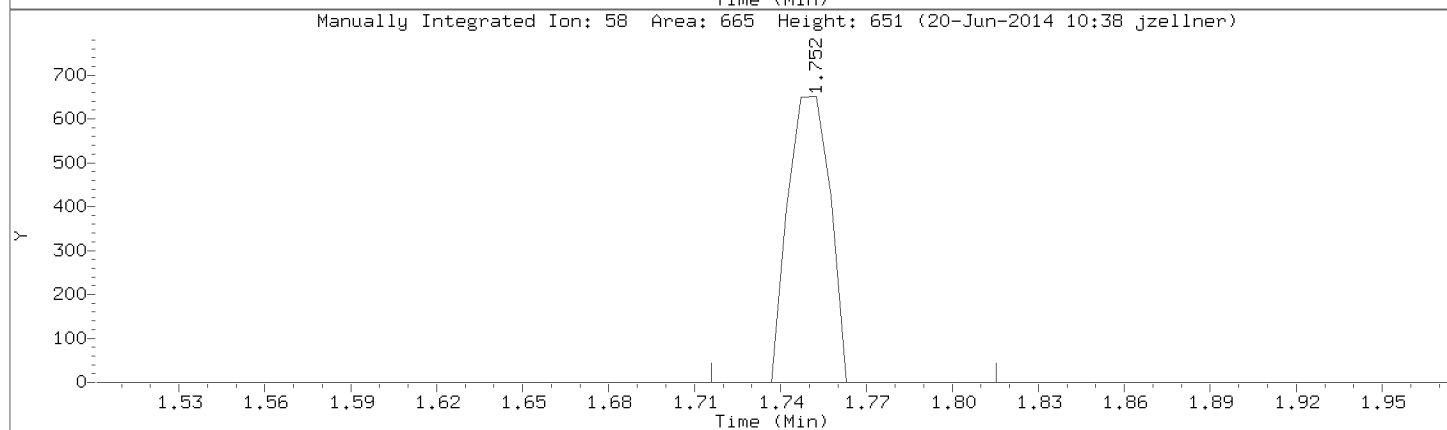
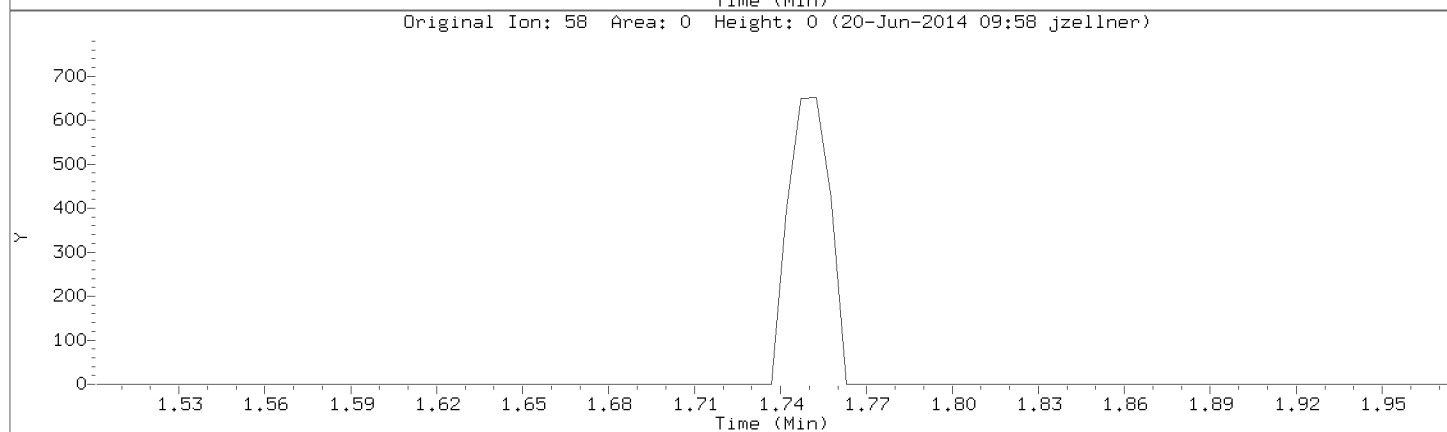
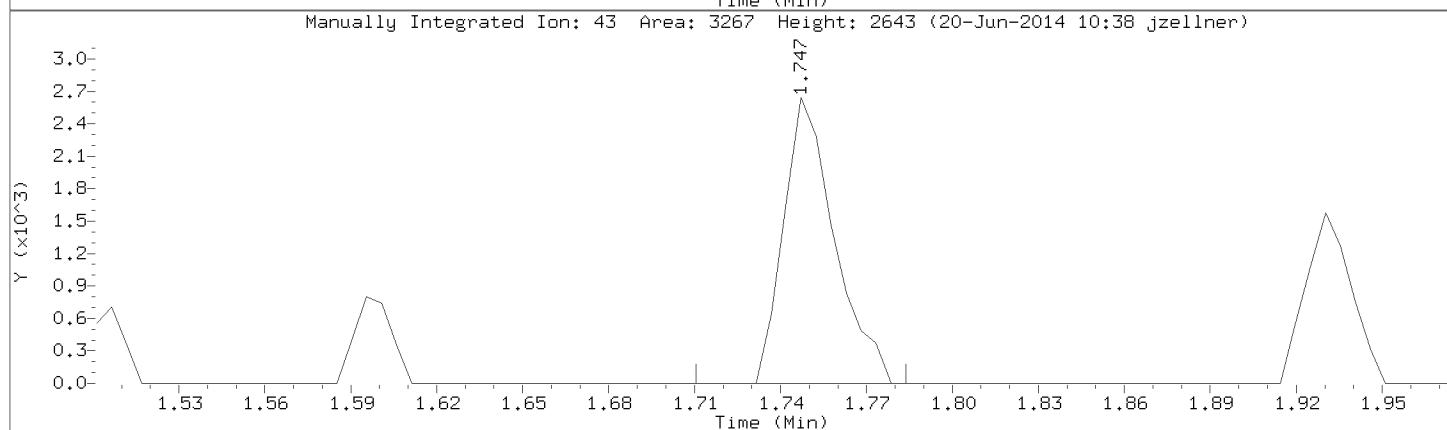
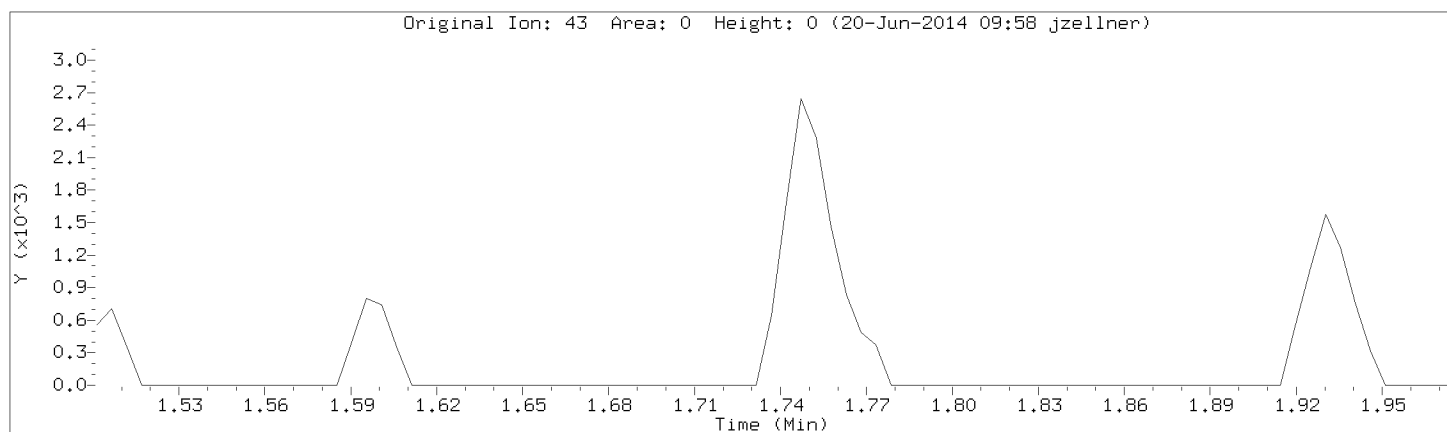
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Instrument: 50mv3a.i
Lab Sample ID: 8260-CAL4,71100:0

Compound: Bromomethane
CAS Number: 74-83-9



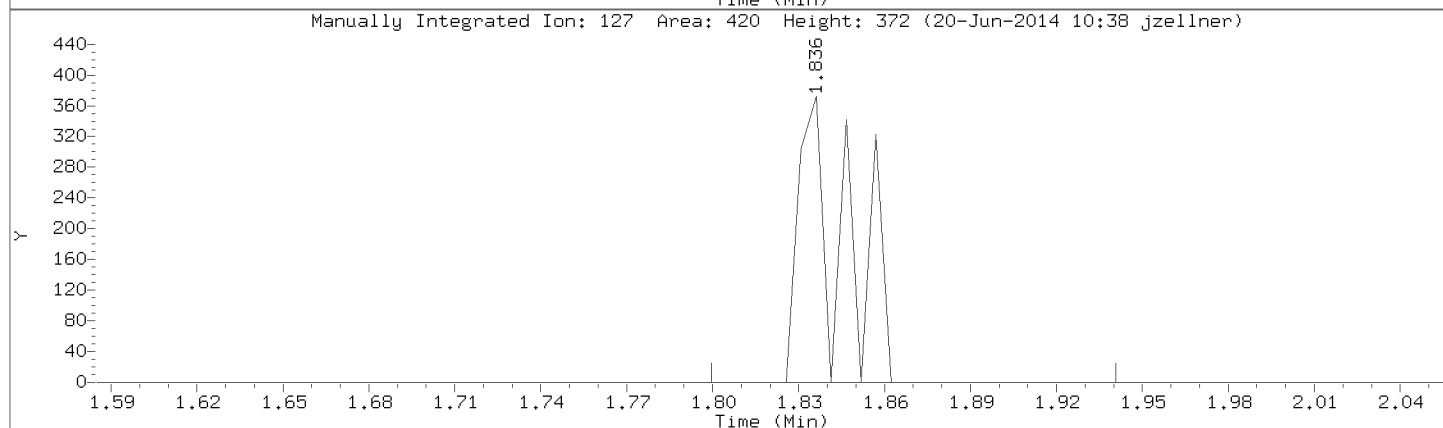
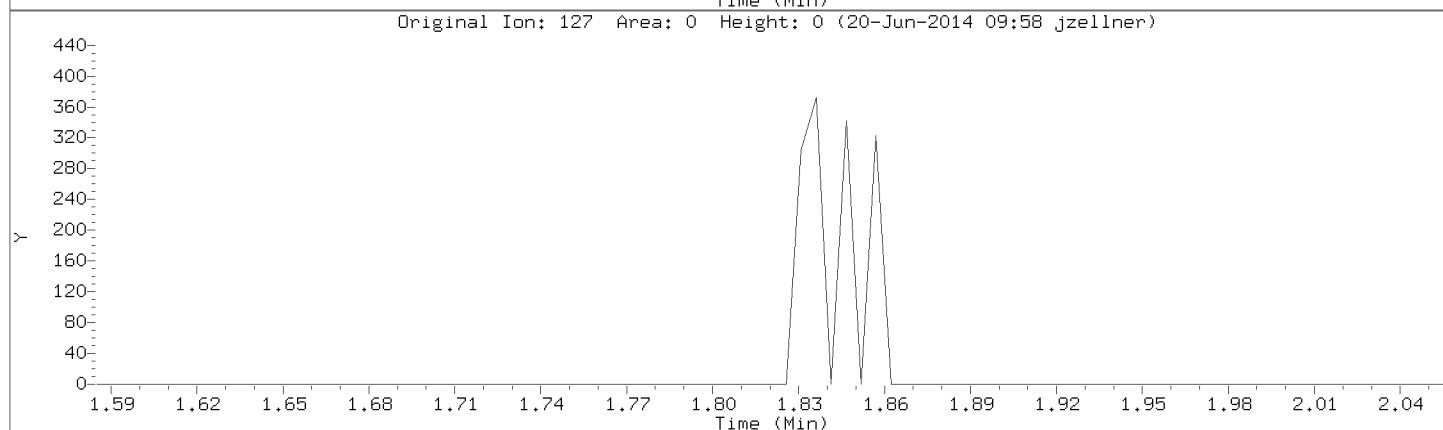
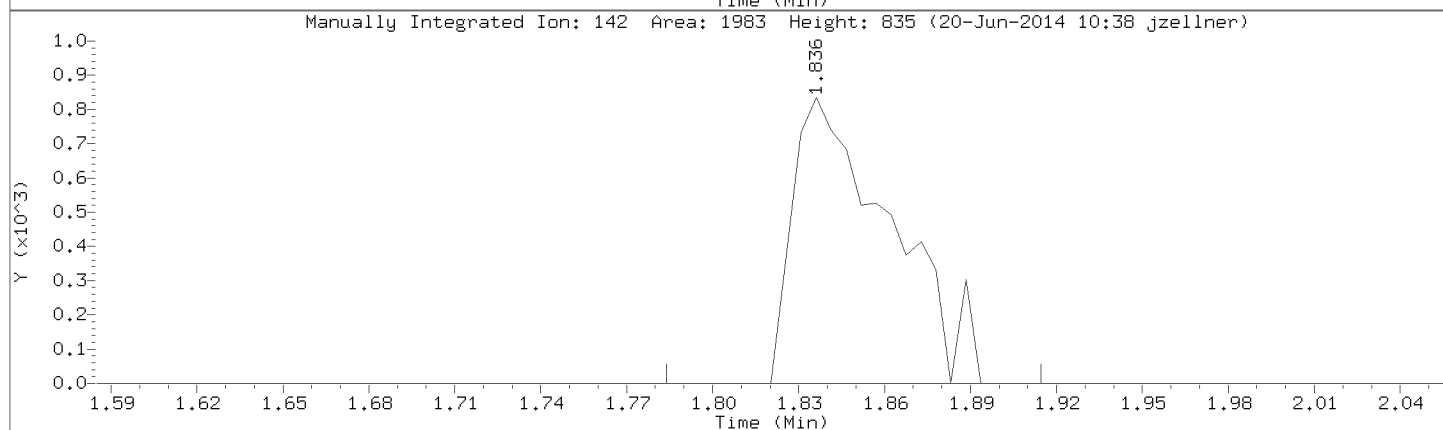
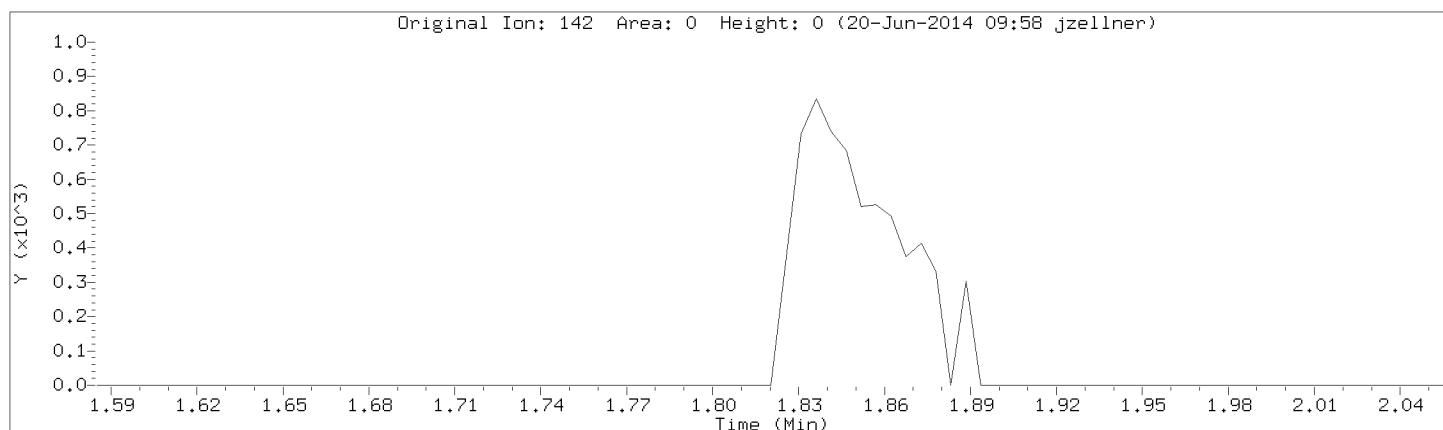
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Injection Date: 19-JUN-2014 16:23
Instrument: 50mv3a.i
Lab Sample ID: 8260-CAL4,71100:0

Compound: Acetone
CAS Number: 67-64-1



Data File: \\192.168.50.6\chem\50mv3a.i\061914cal.b/a04cal.d
Injection Date: 19-JUN-2014 16:23
Instrument: 50mv3a.i
Lab Sample ID: 8260-CAL4,71100:0

Compound: Iodomethane
CAS Number:



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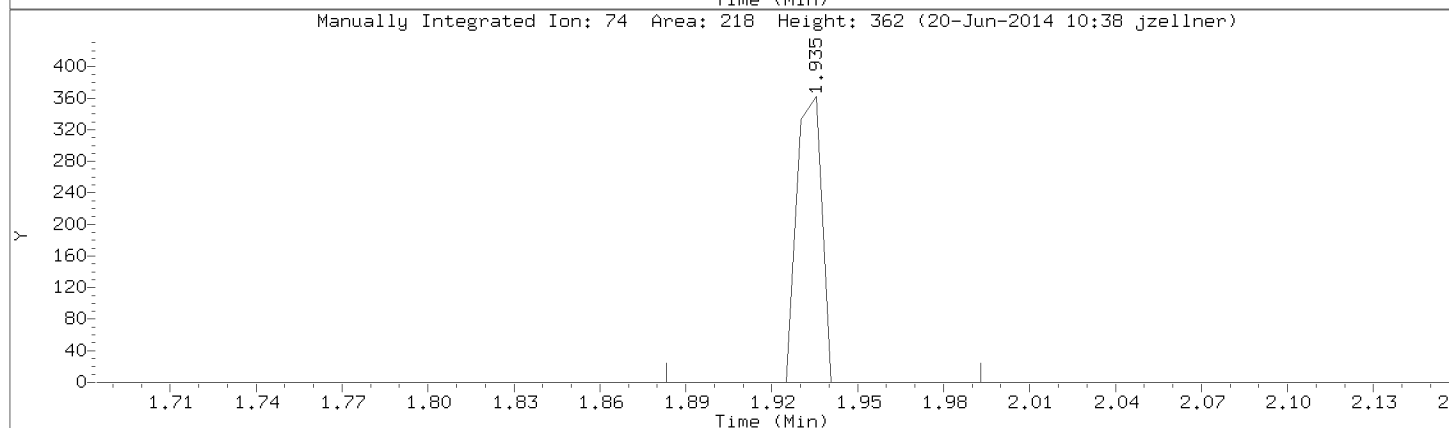
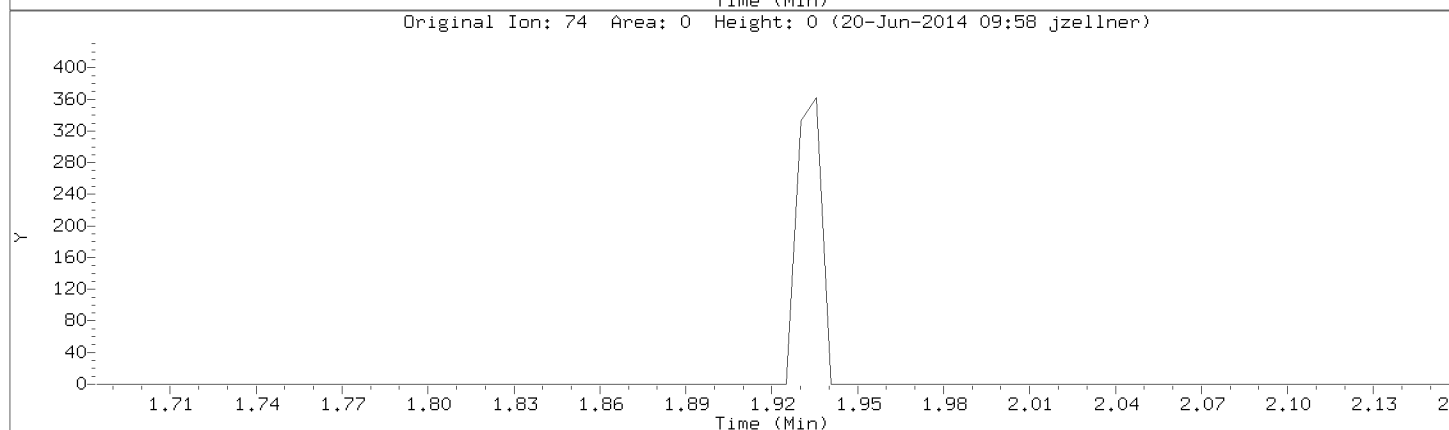
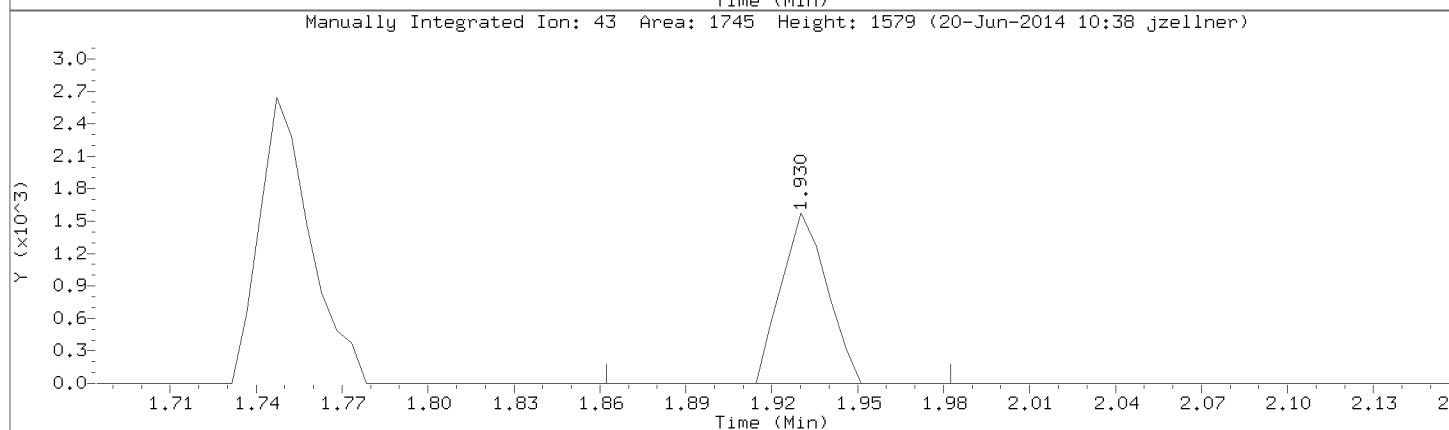
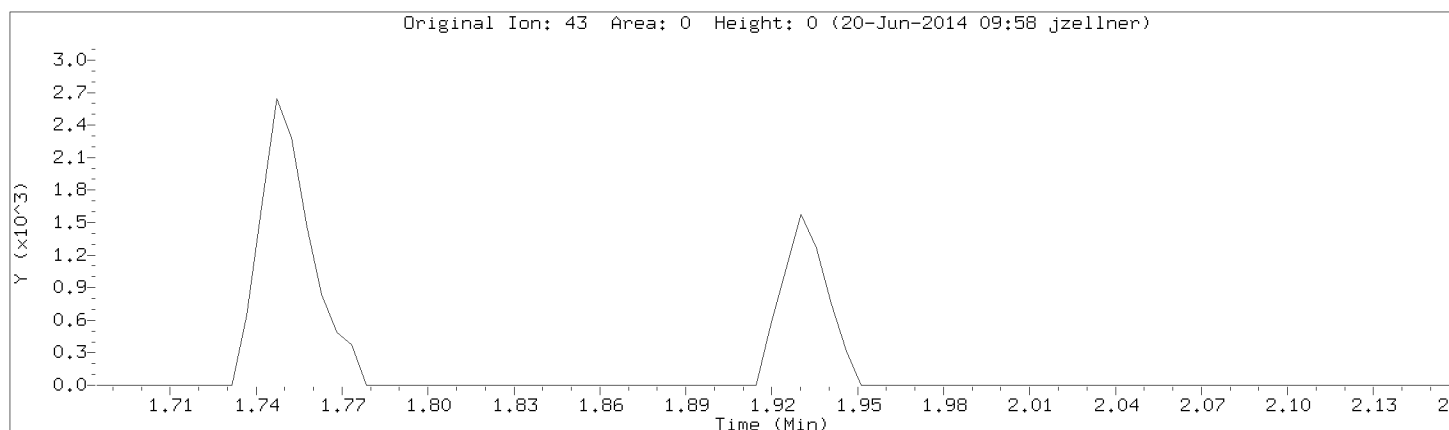
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Instrument: 50mv3a.i

Lab Sample ID: 8260-CAL4,71100:0

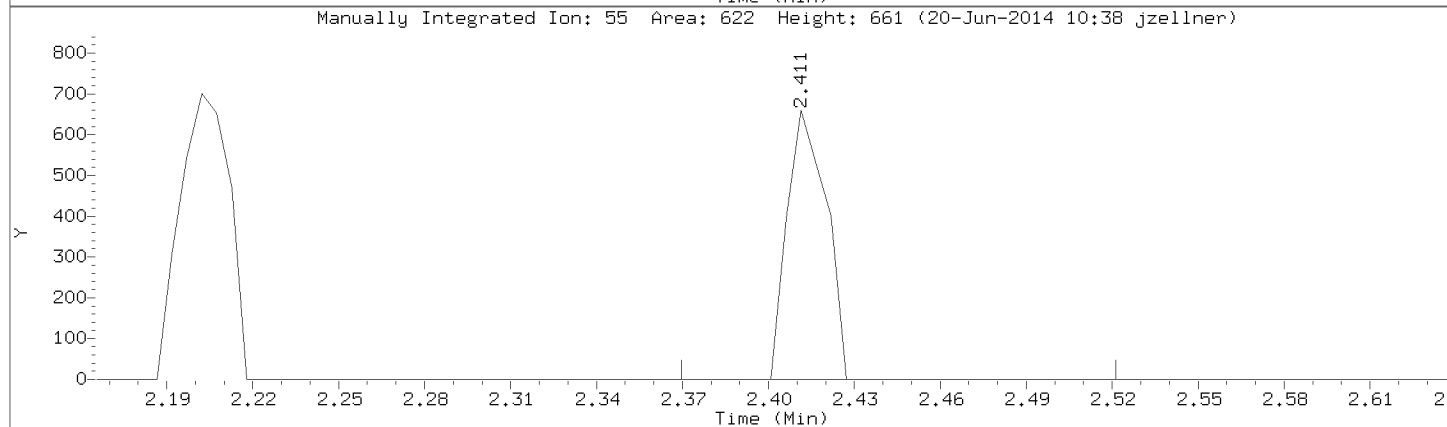
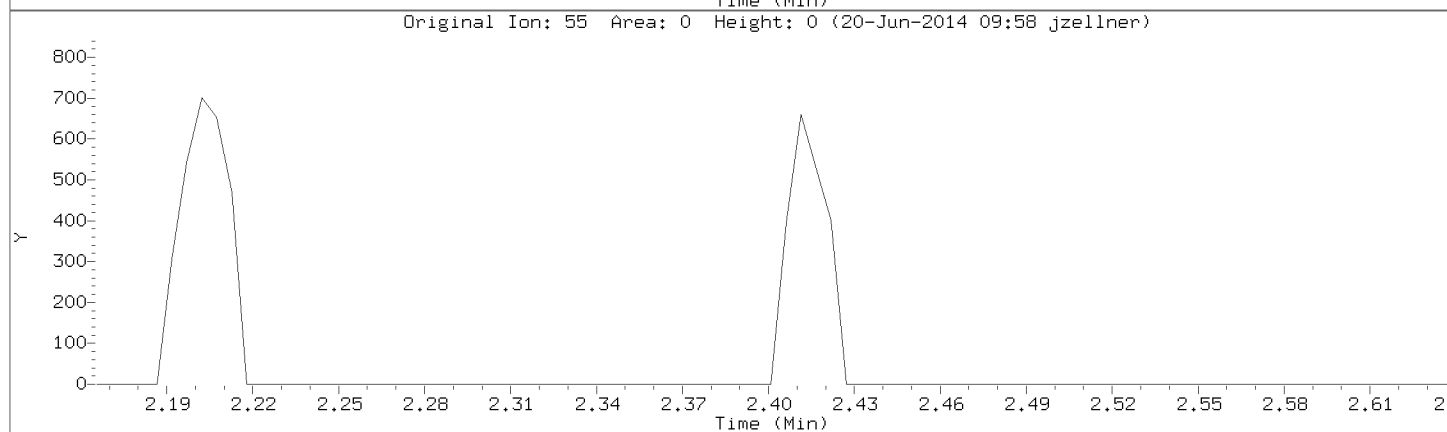
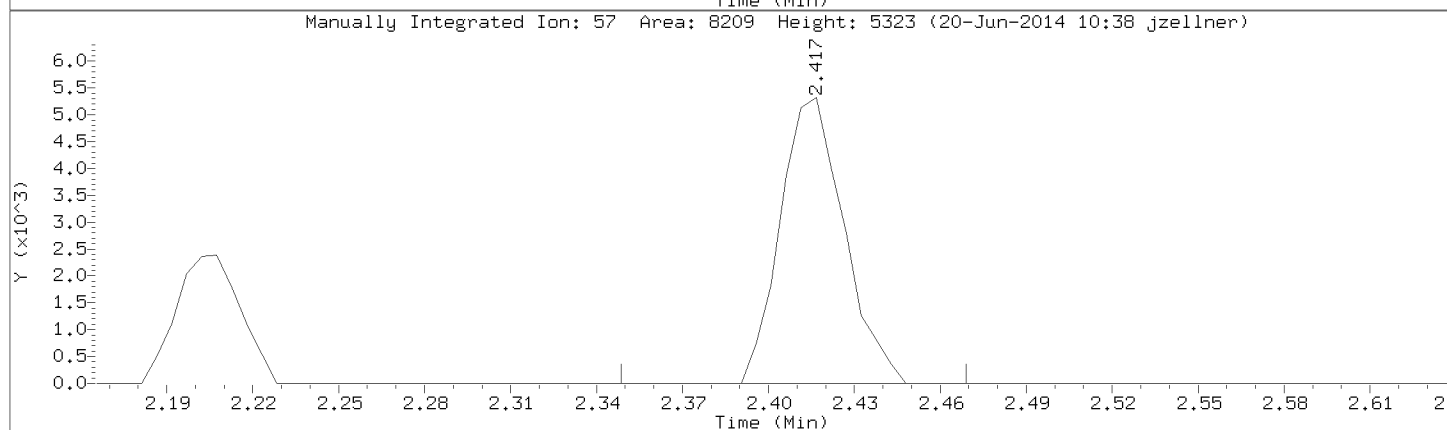
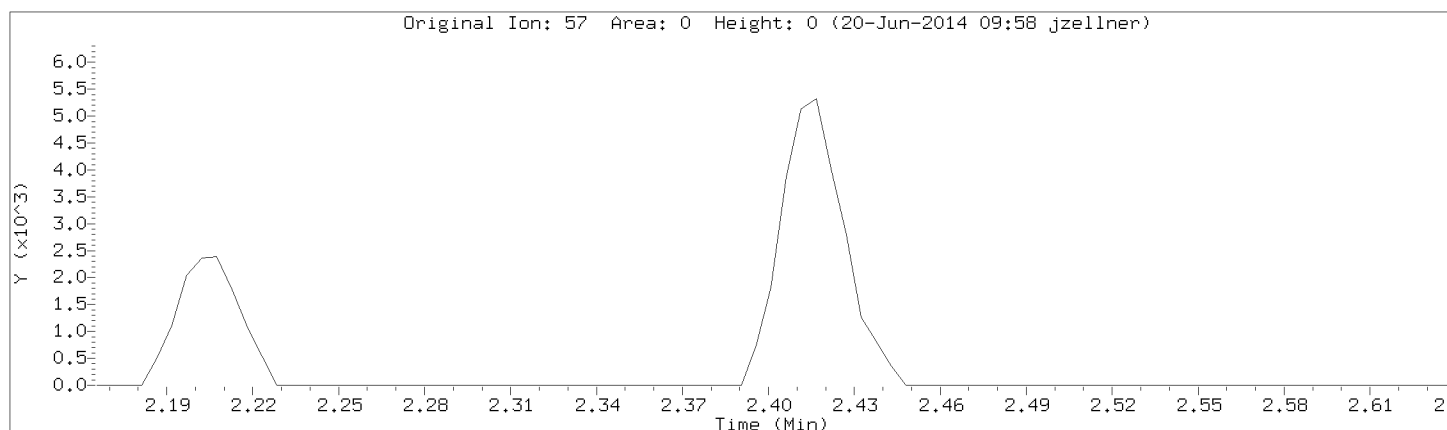
Compound: Methyl Acetate

CAS Number: 79-20-9



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Instrument: 50mv3a.i
Lab Sample ID: 8260-CAL4,71100:0

Compound: n-Hexane
CAS Number:



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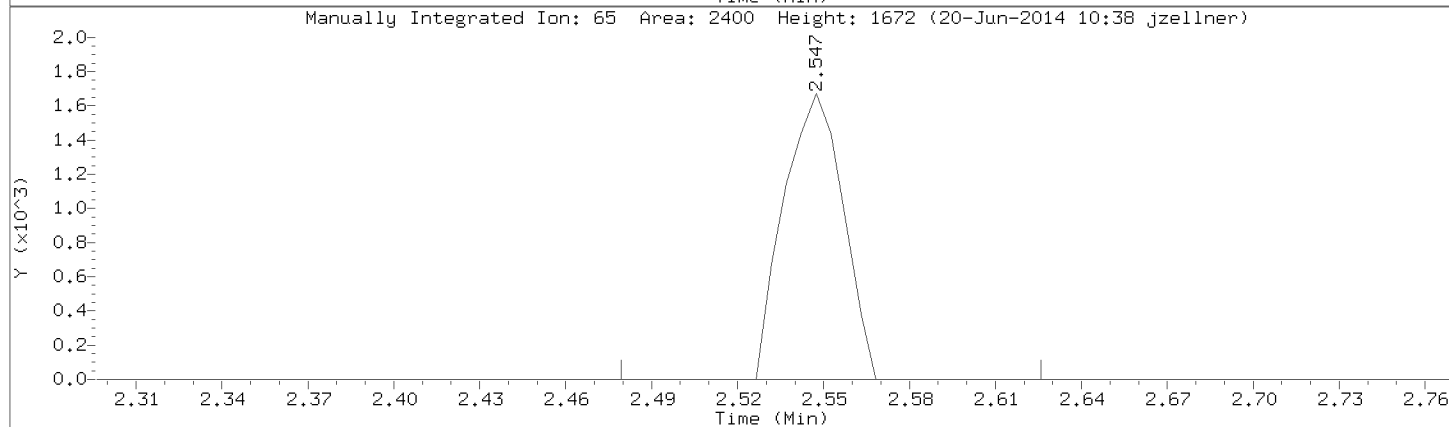
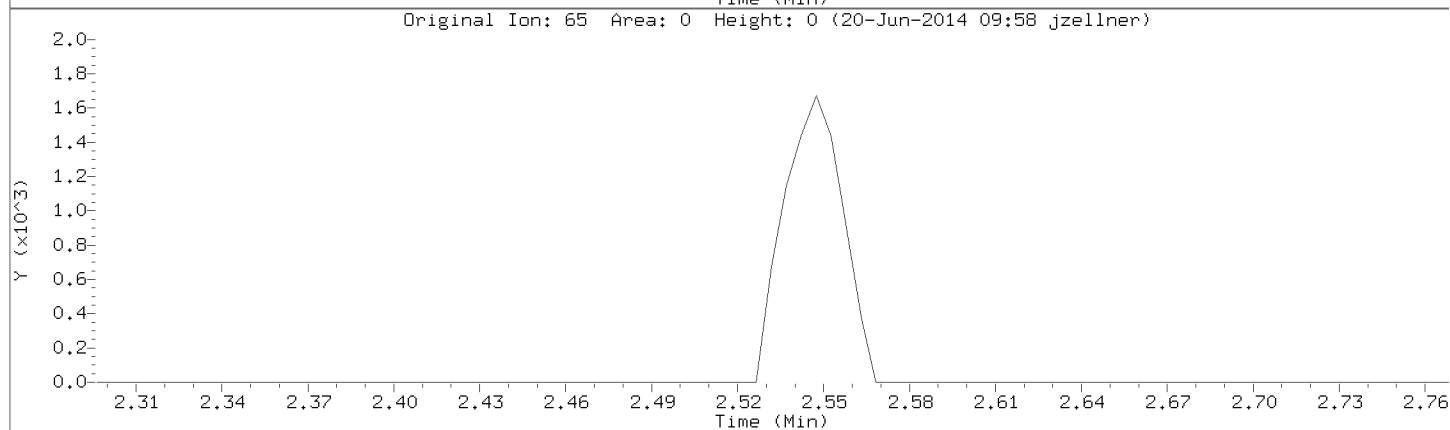
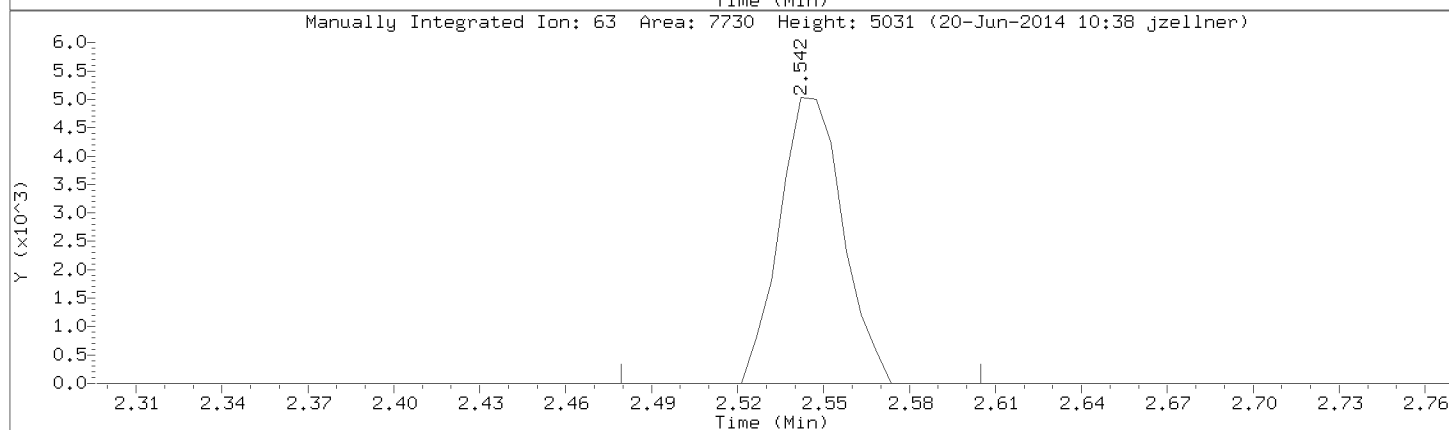
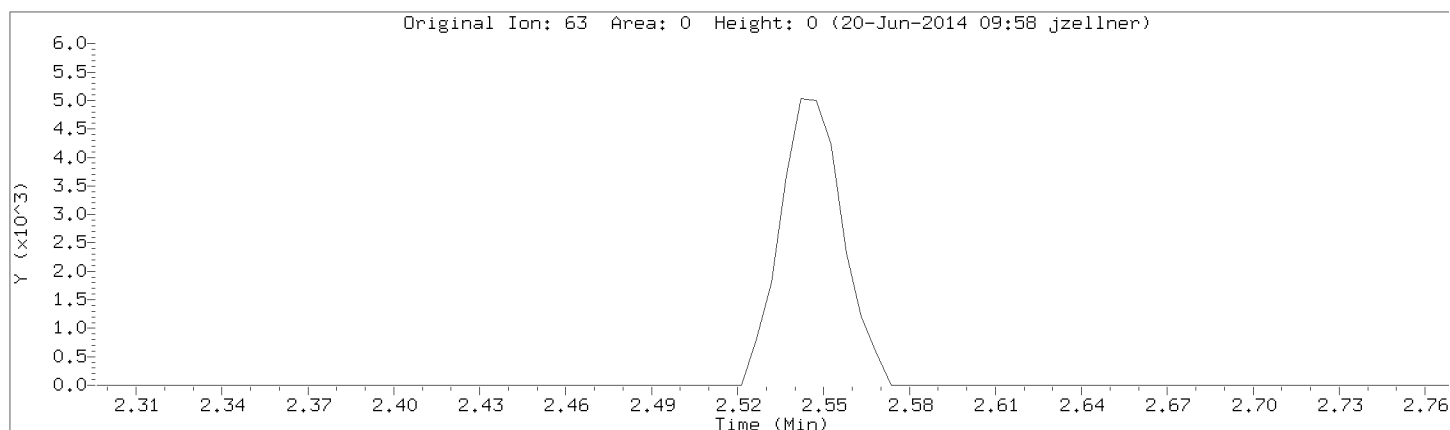
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Instrument: 50mv3a.i

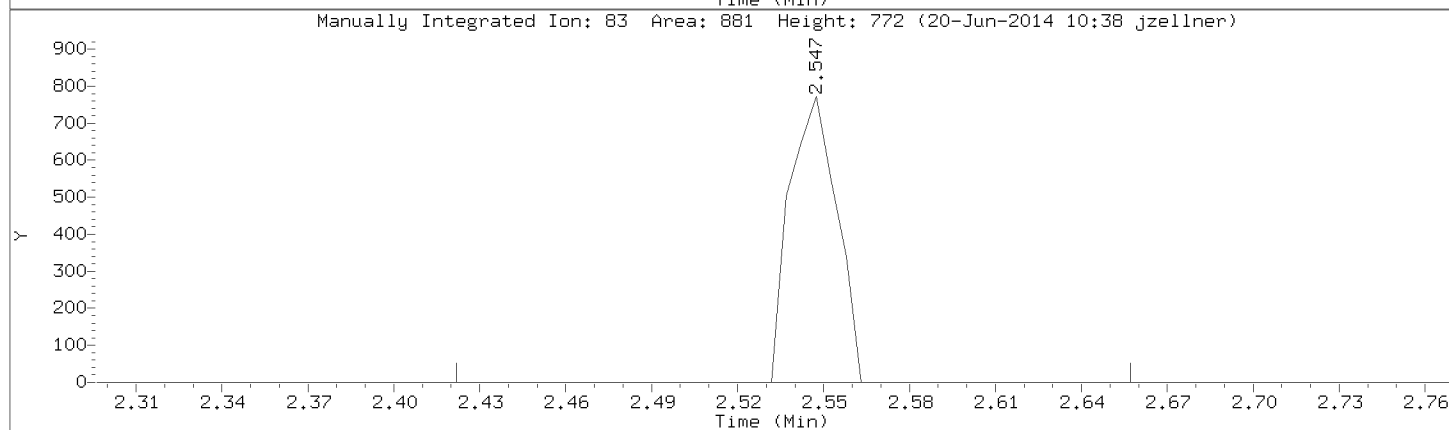
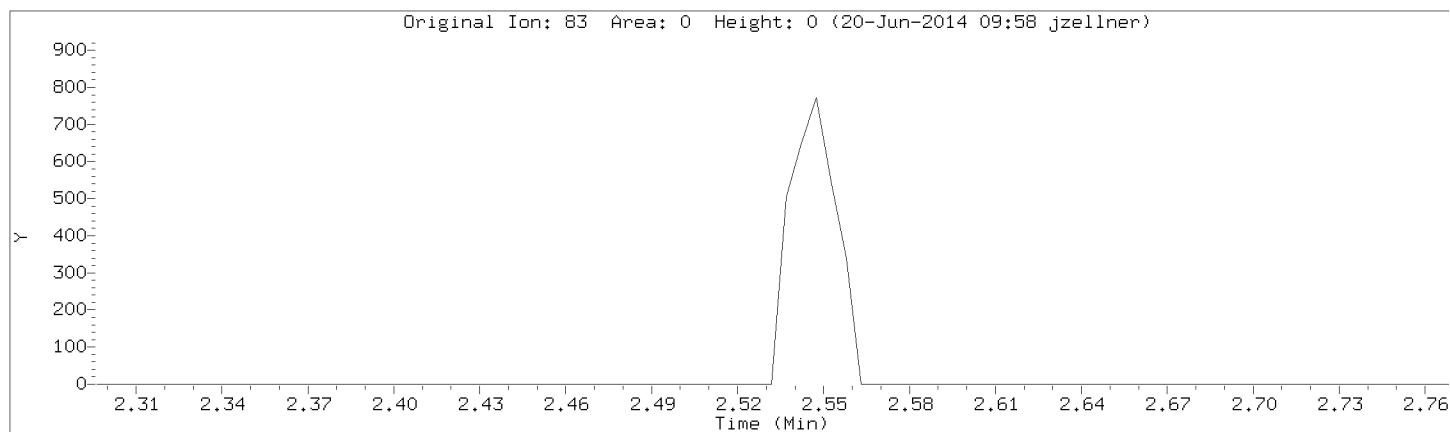
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Compound: 1,1-Dichloroethane

CAS Number: 75-34-3

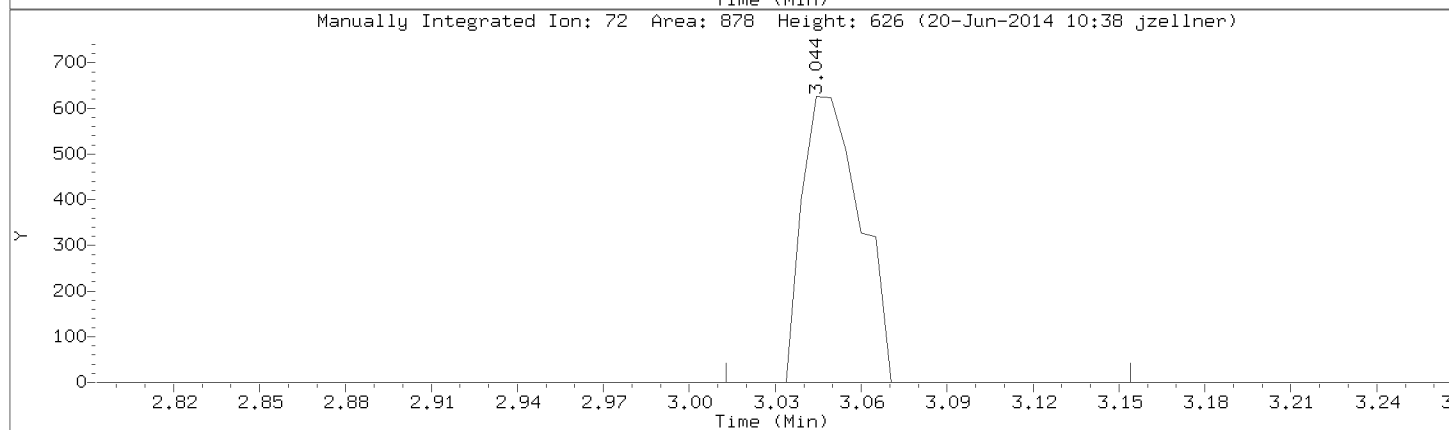
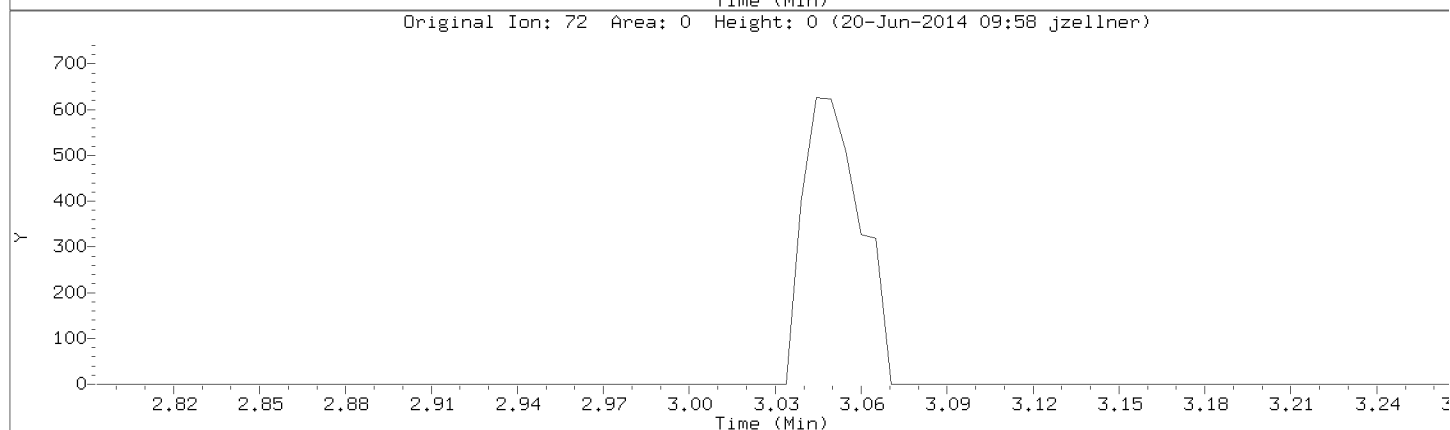
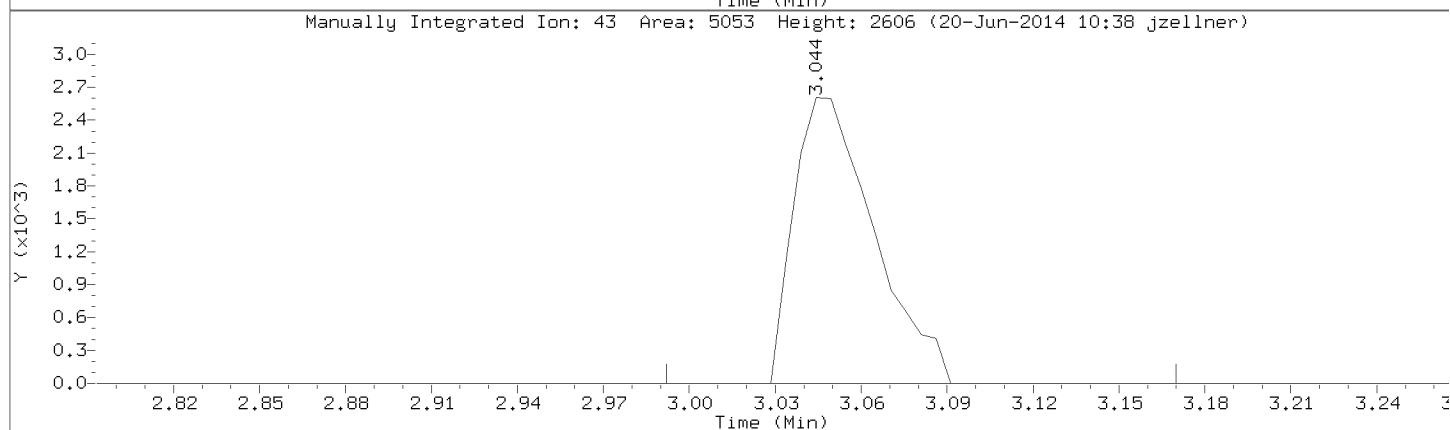
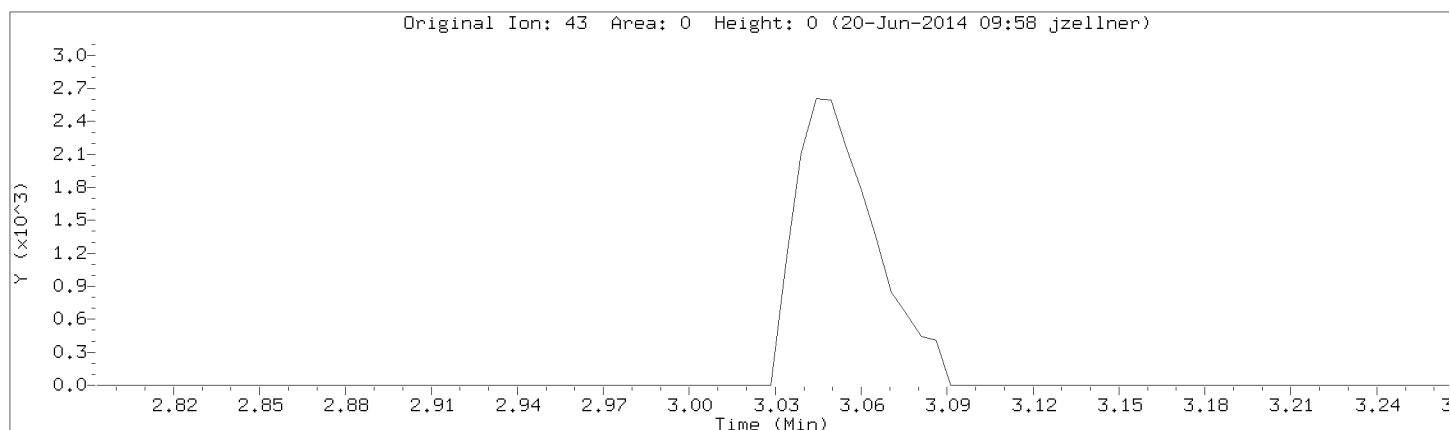


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Instrument: 50mv3a.i
Lab Sample ID: 8260-CAL4,71100:0

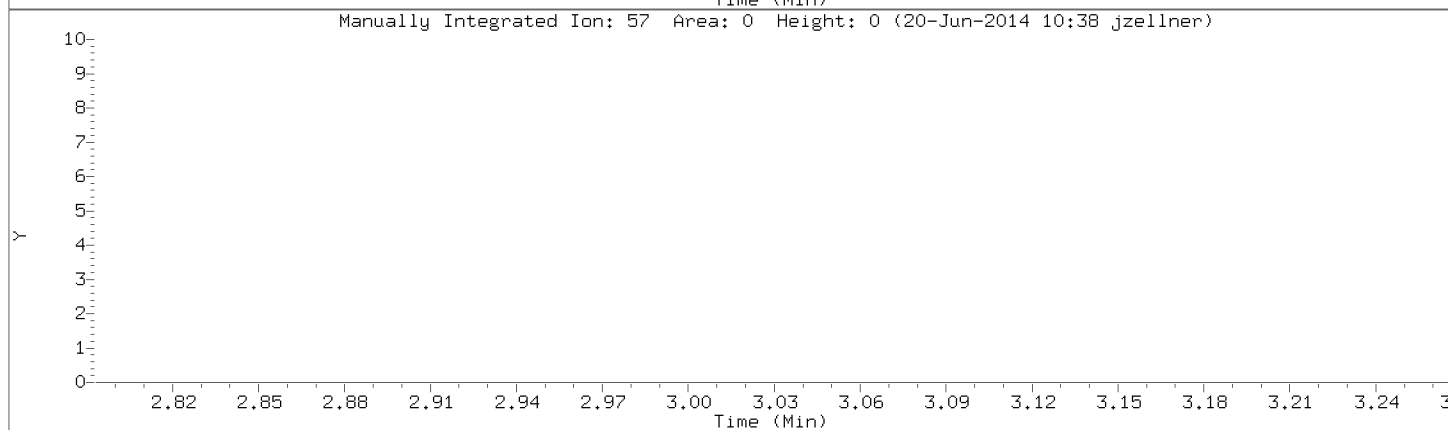
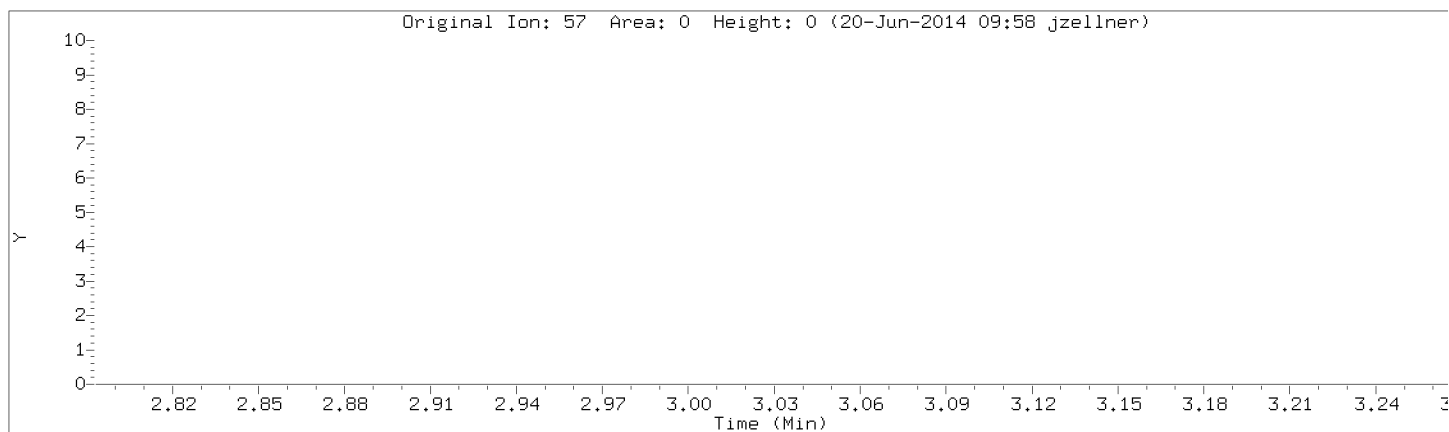


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Injection Date: 19-JUN-2014 16:23
Instrument: 50mv3a.i
Lab Sample ID: 8260-CAL4,71100:0

Compound: 2-Butanone
CAS Number: 78-93-3

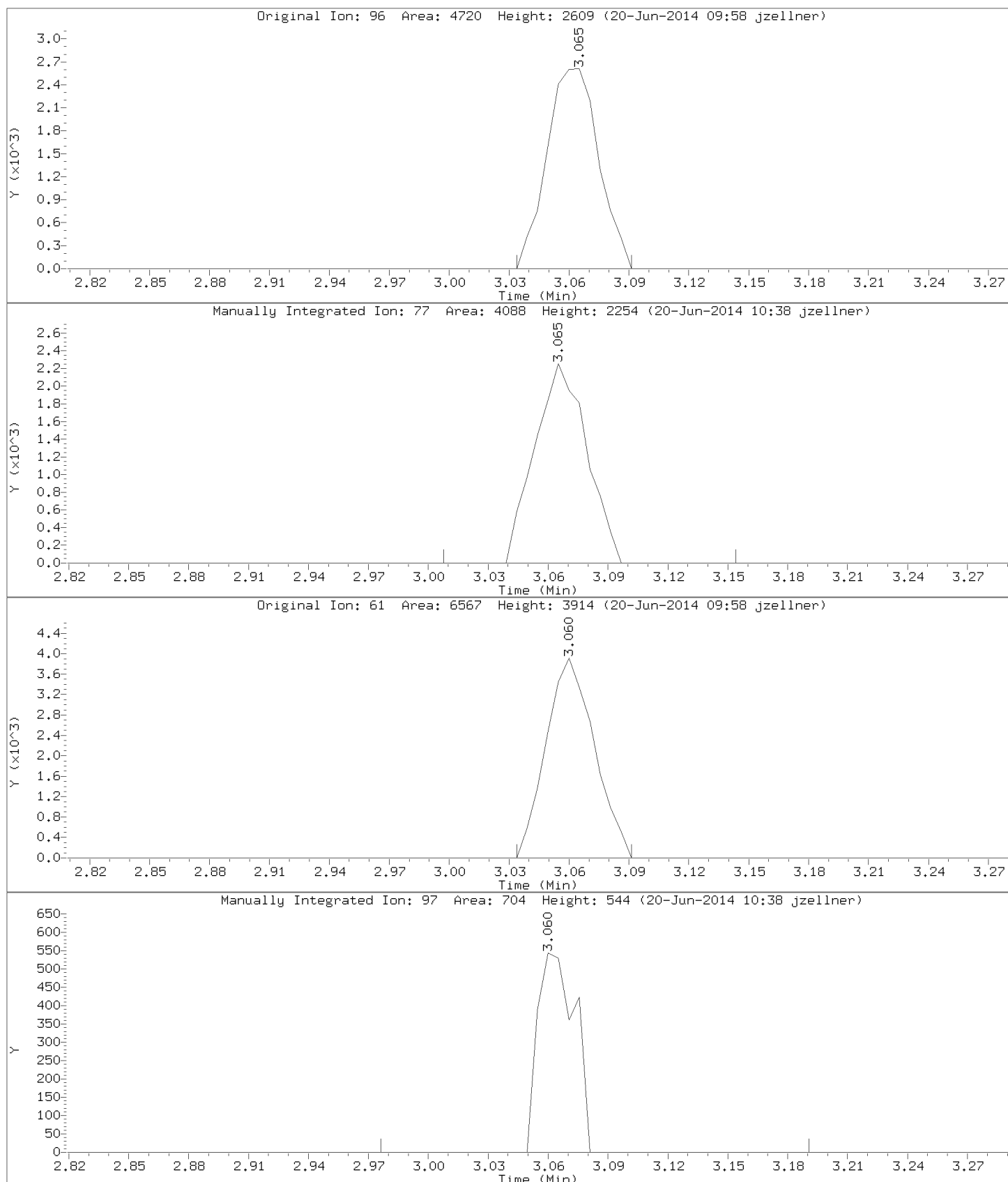


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Instrument: 50mv3a.i
Lab Sample ID: 8260-CAL4,71100:0



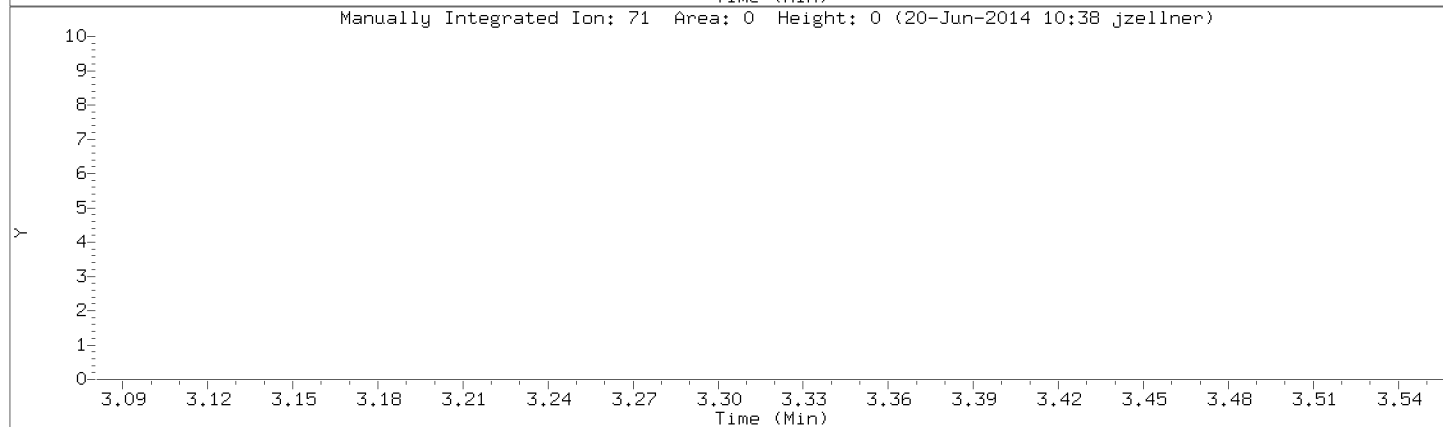
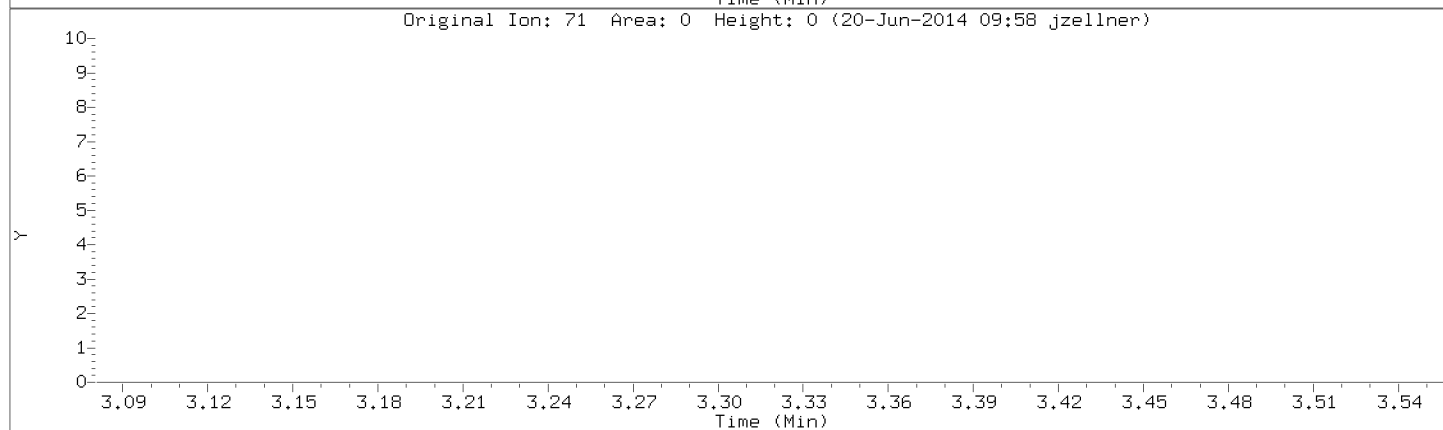
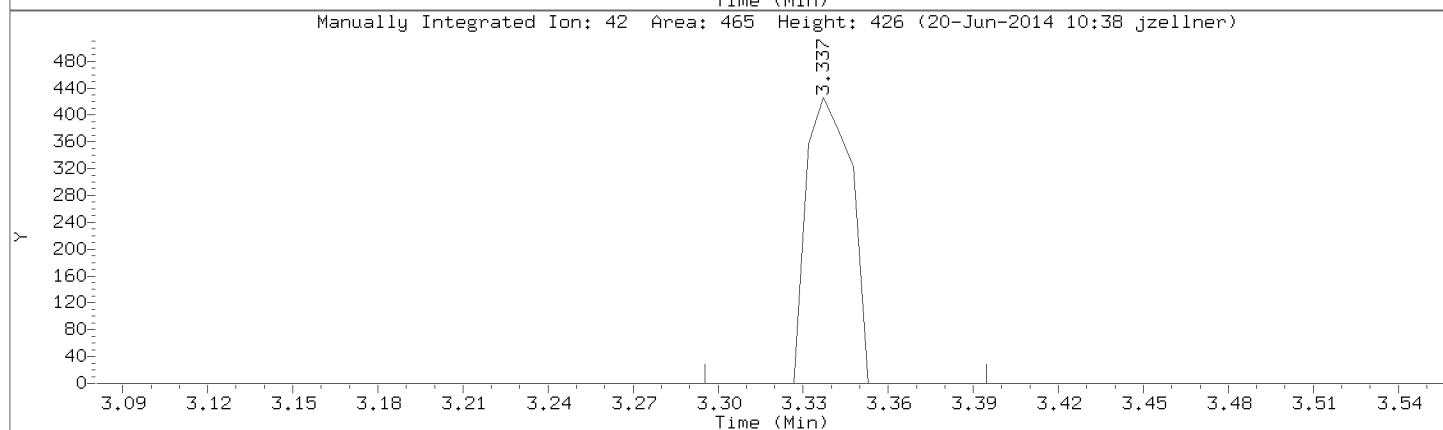
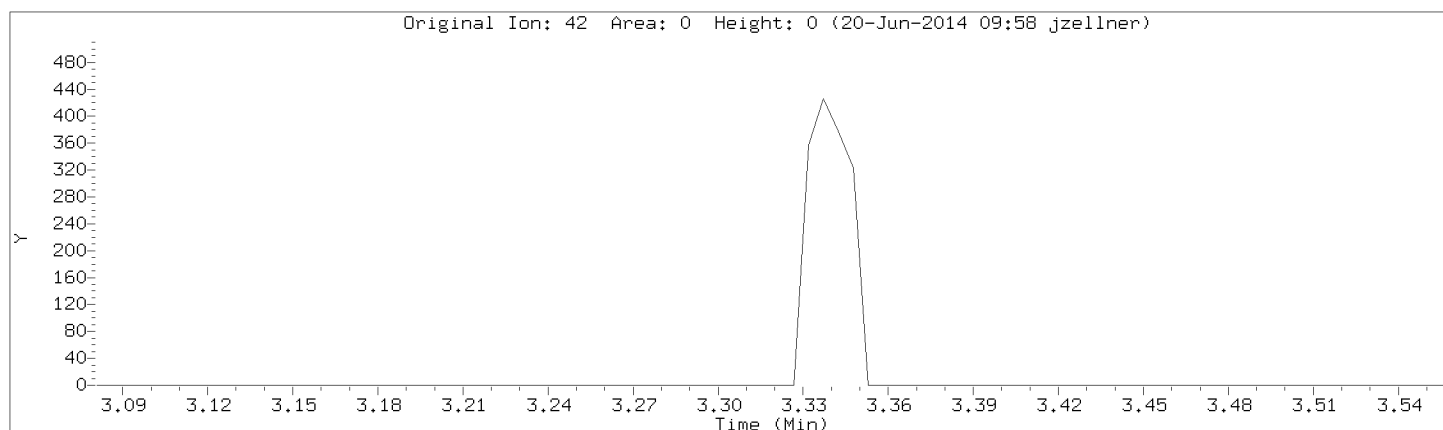
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Injection Date: 19-JUN-2014 16:23
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Lab Sample ID: 8260-CAL4,71100:0

Compound: 2,2-Dichloropropane
CAS Number: 594-20-7

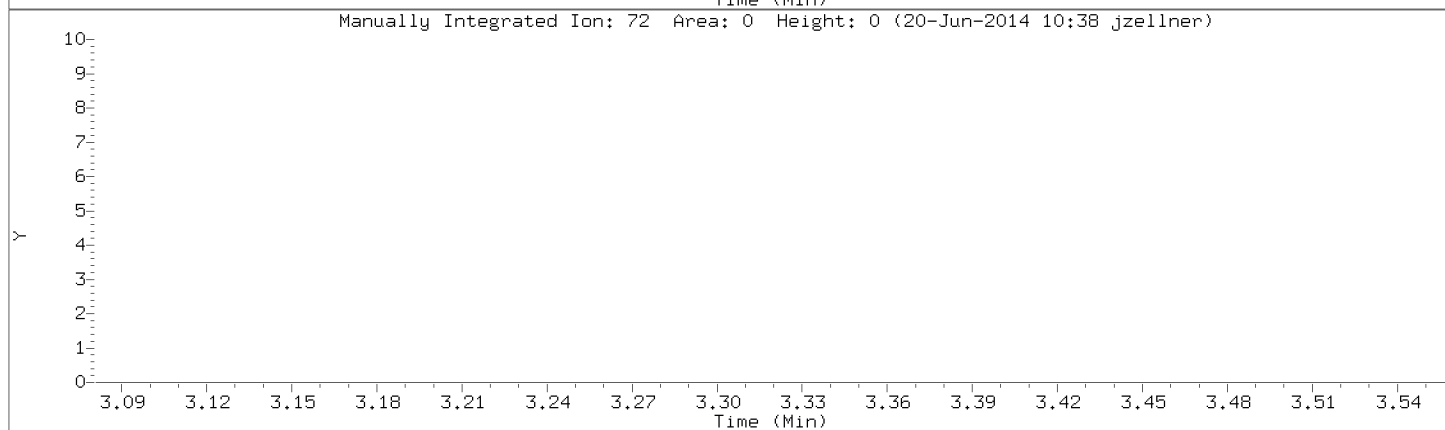
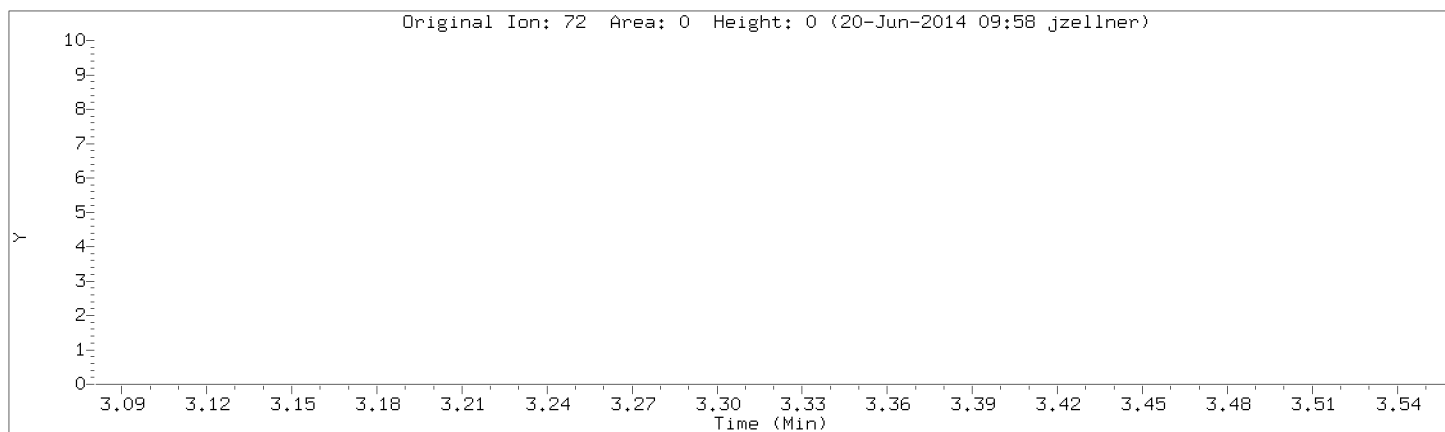


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Injection Date: 19-JUN-2014 16:23
Instrument: 50mv3a.i
Lab Sample ID: 8260-CAL4,71100:0

Compound: Tetrahydrofuran
CAS Number:



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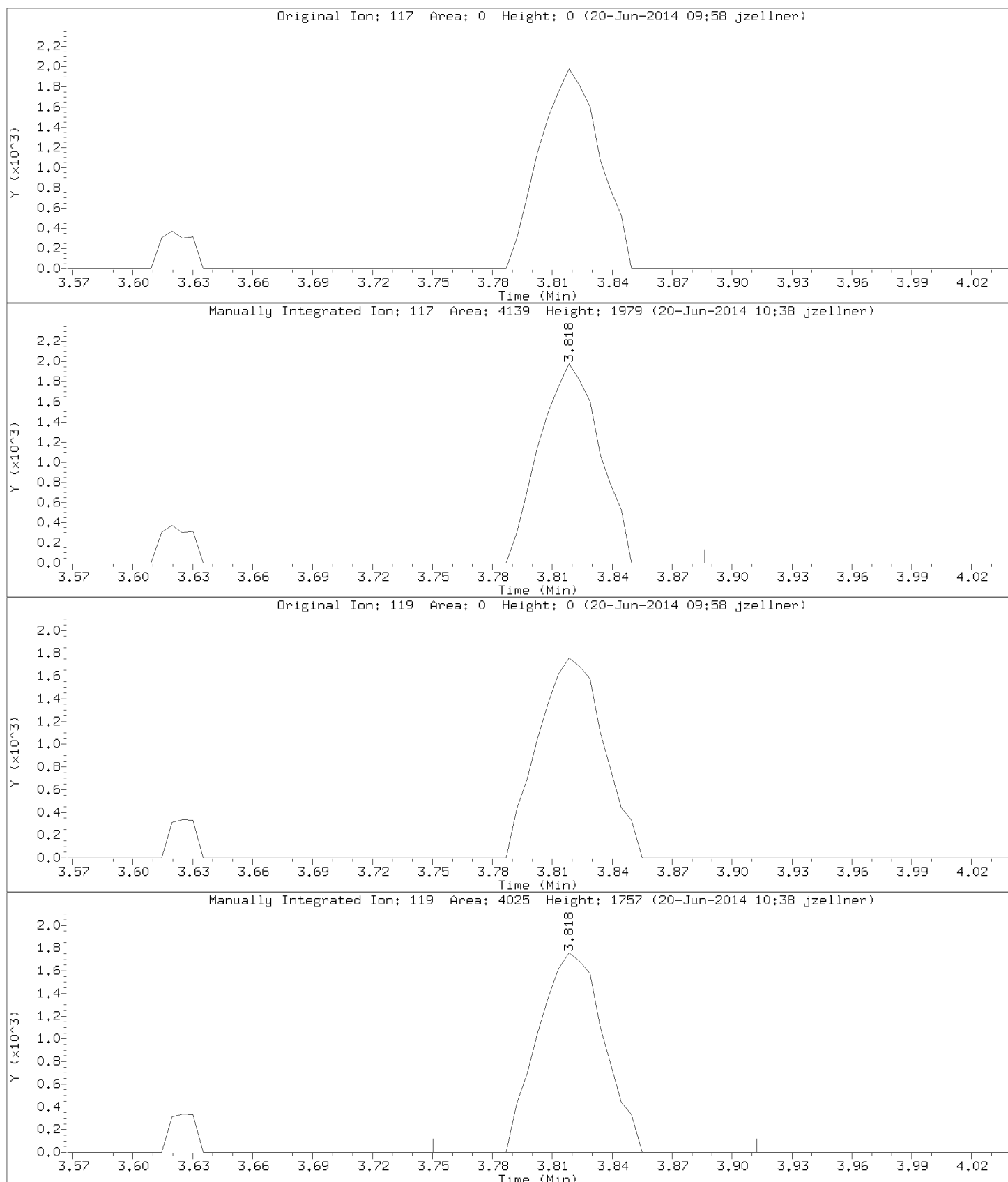
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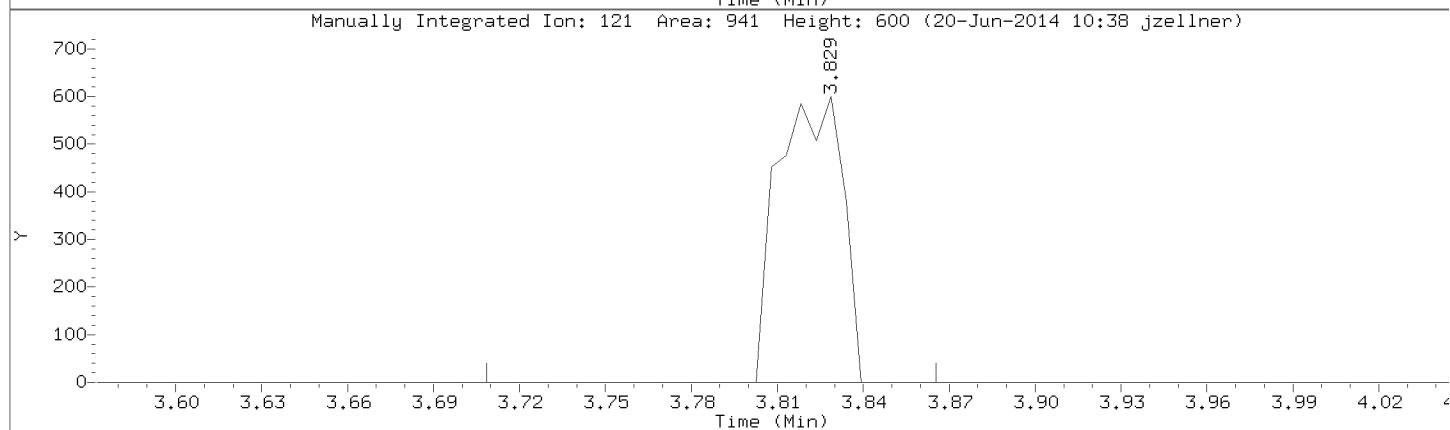
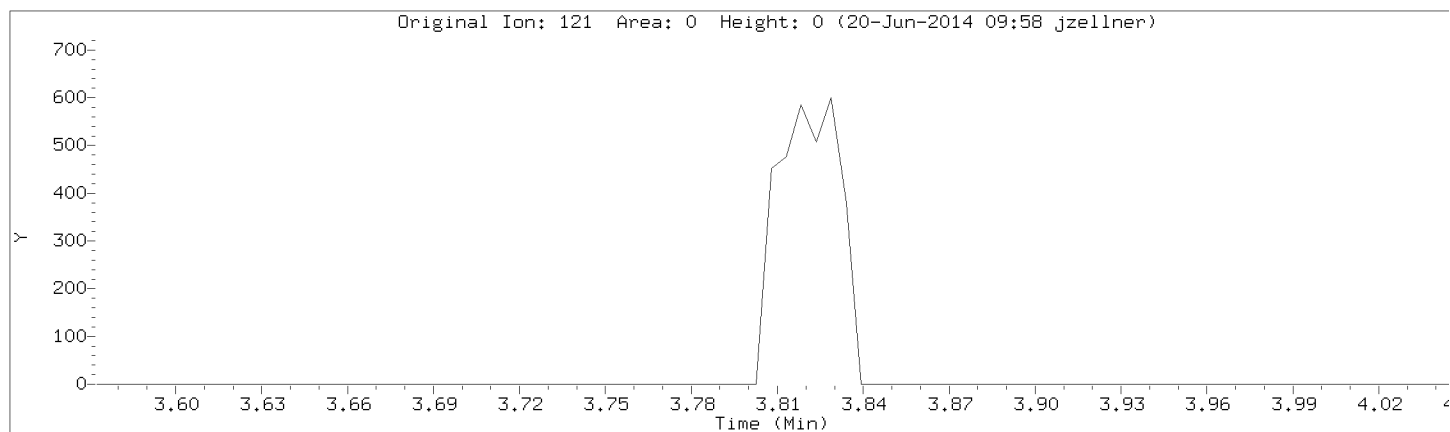
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Compound: Carbon Tetrachloride

CAS Number: 56-23-5

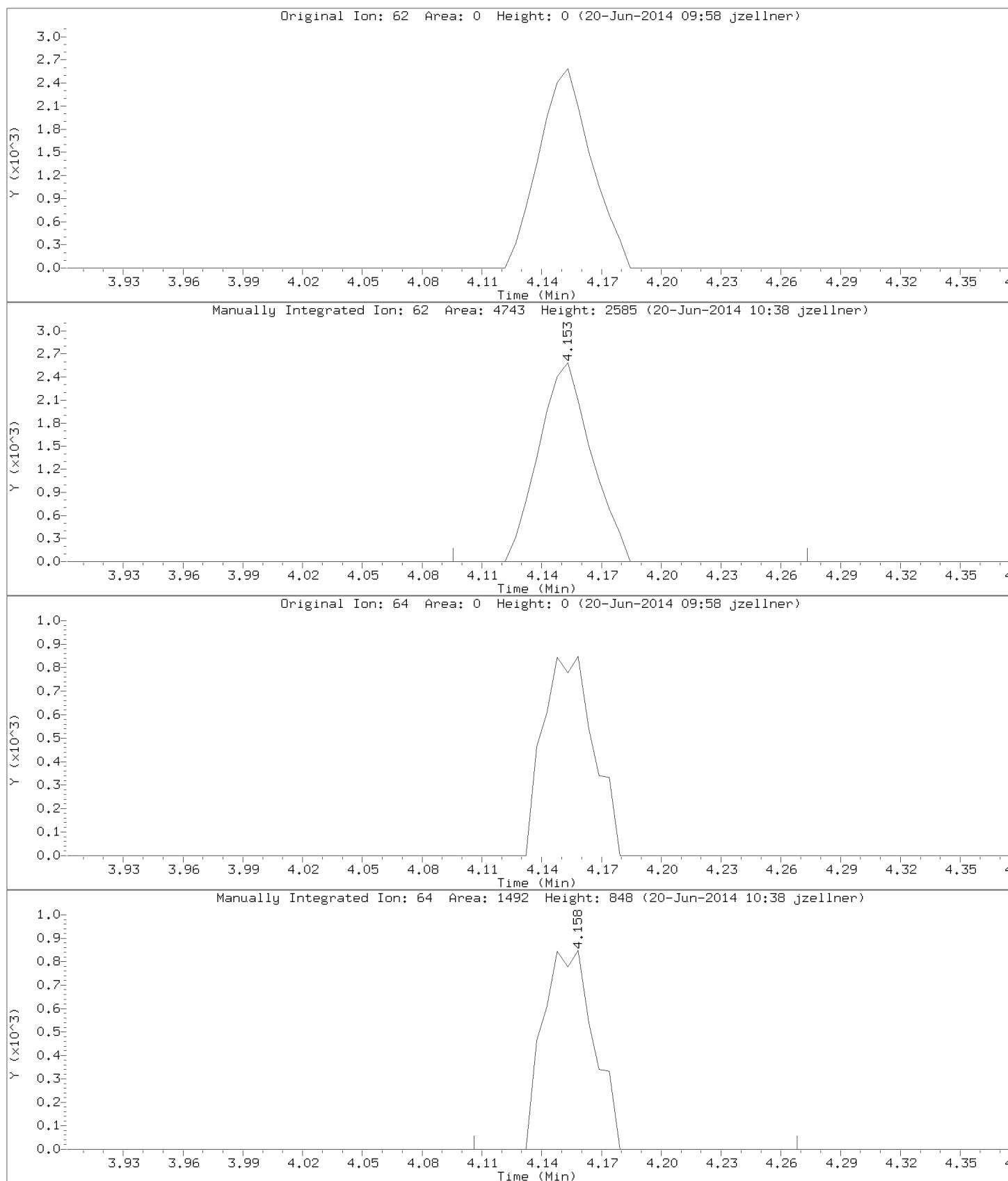


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Instrument: 50mv3a.i
Lab Sample ID: 8260-CAL4,71100:0



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Injection Date: 19-JUN-2014 16:23
Instrument: 50mv3a.i
Lab Sample ID: 8260-CAL4,71100:0

Compound: 1,2-Dichloroethane
CAS Number: 107-06-2

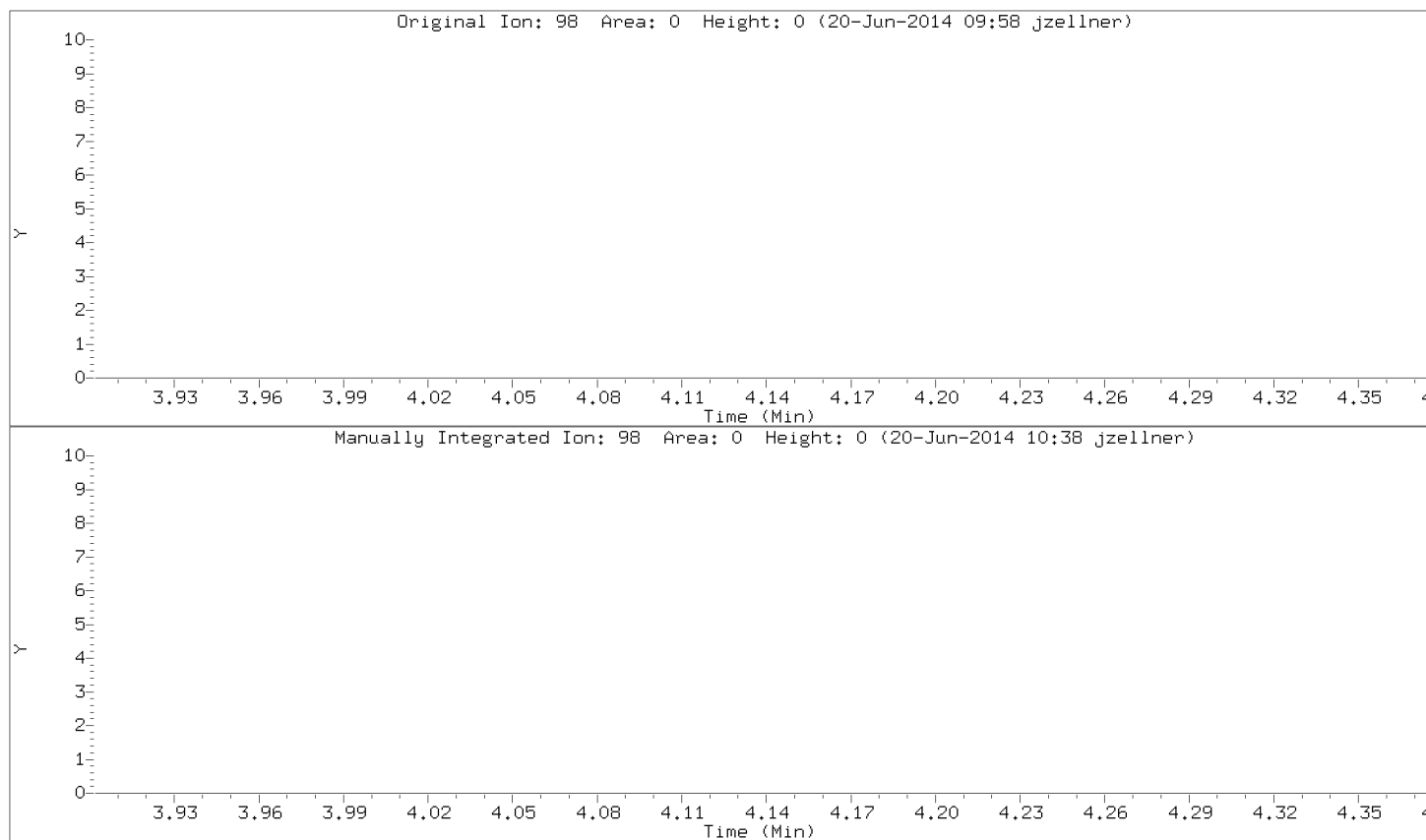


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Injection Date: 19-JUN-2014 16:23

Instrument: 50mv3a.i

Lab Sample ID: 8260-CAL4,71100:0



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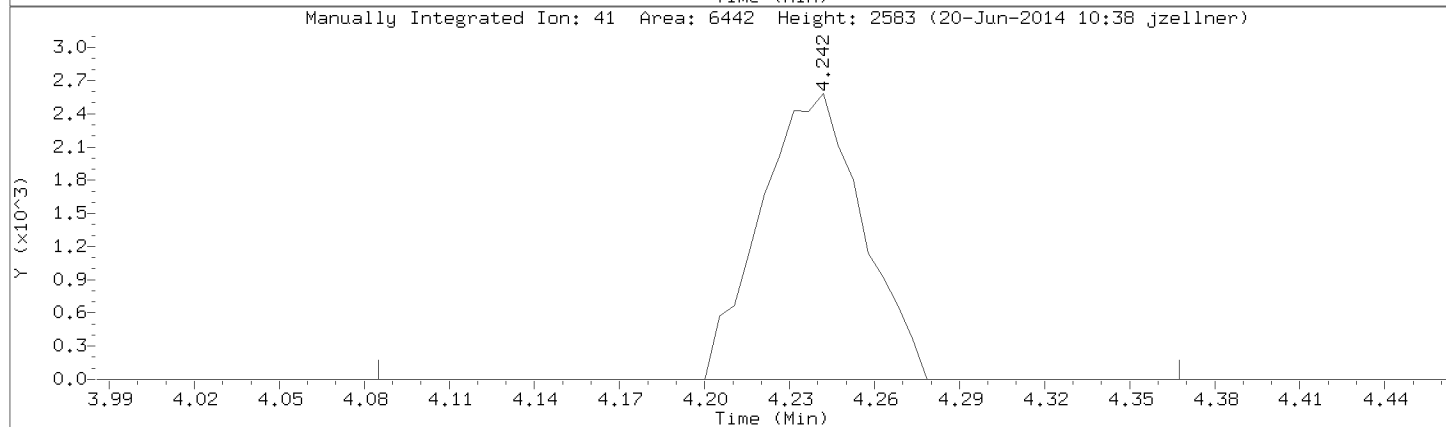
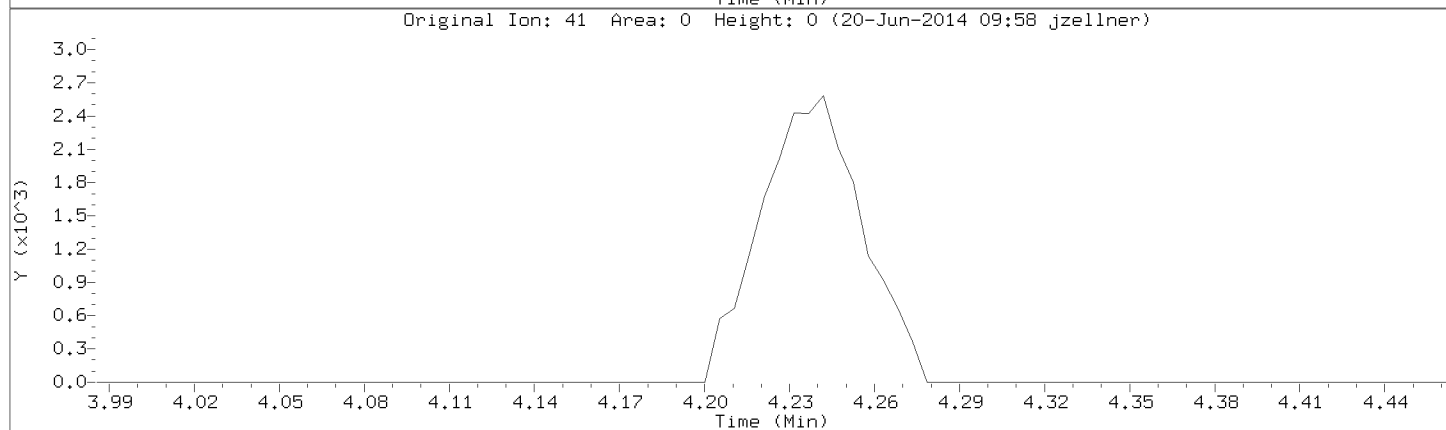
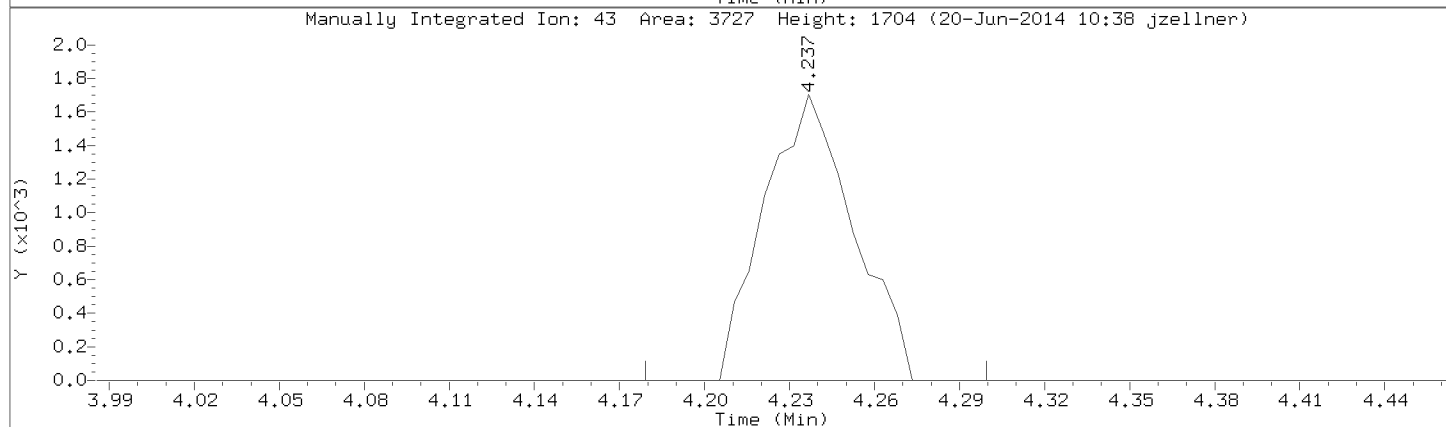
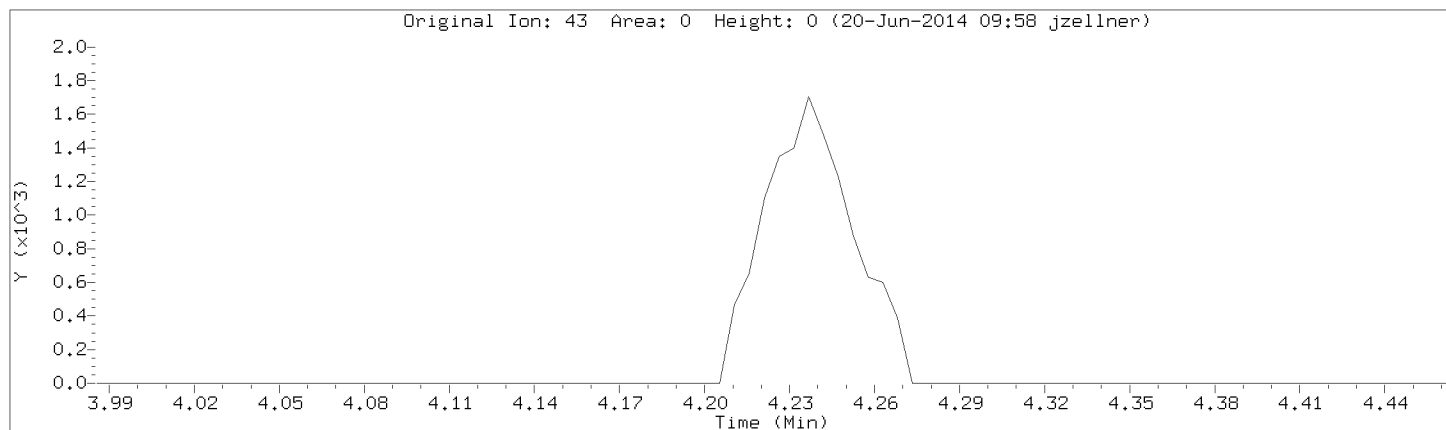
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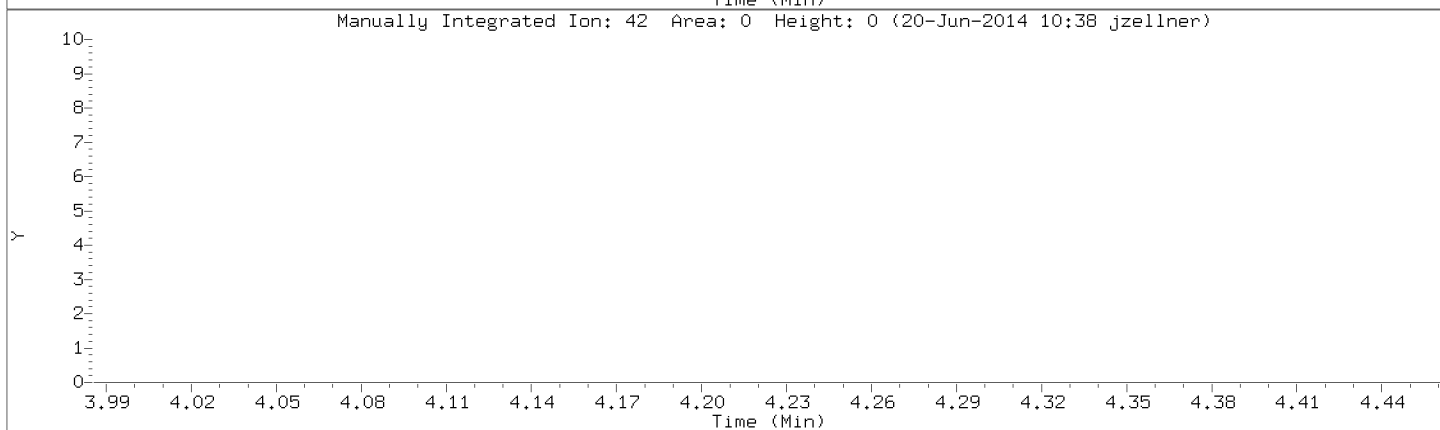
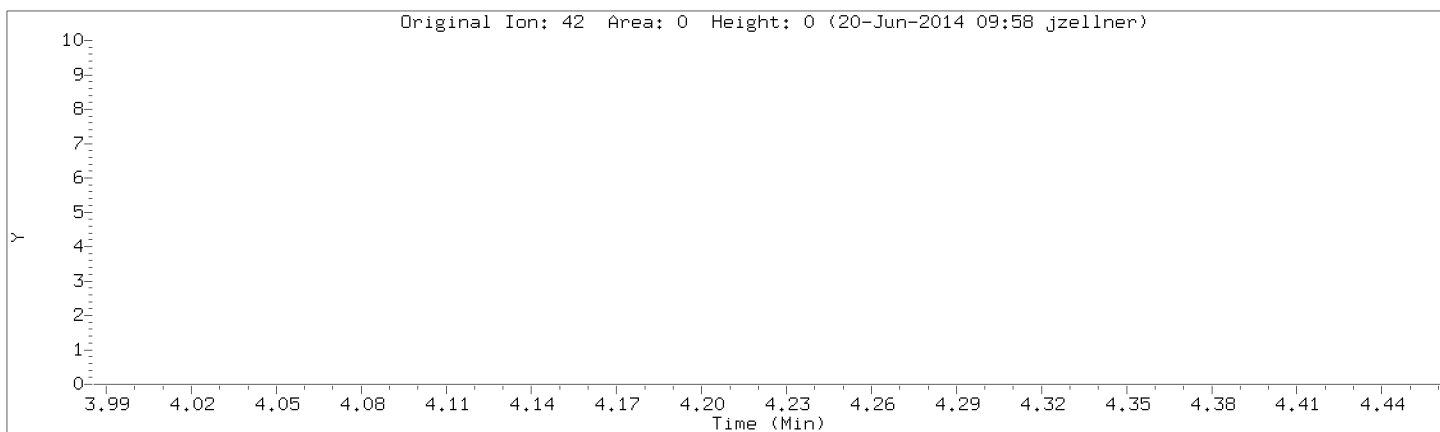
Lab Sample ID: 8260-CAL4,71100:0

Compound: Isobutyl alcohol

CAS Number: 78-83-1



Data File: \\192.168.50.6\chem\50mv3a.i\a061914cal.b/a04cal.d
Injection Date: 19-JUN-2014 16:23
Instrument: 50mv3a.i
Lab Sample ID: 8260-CAL4,71100:0



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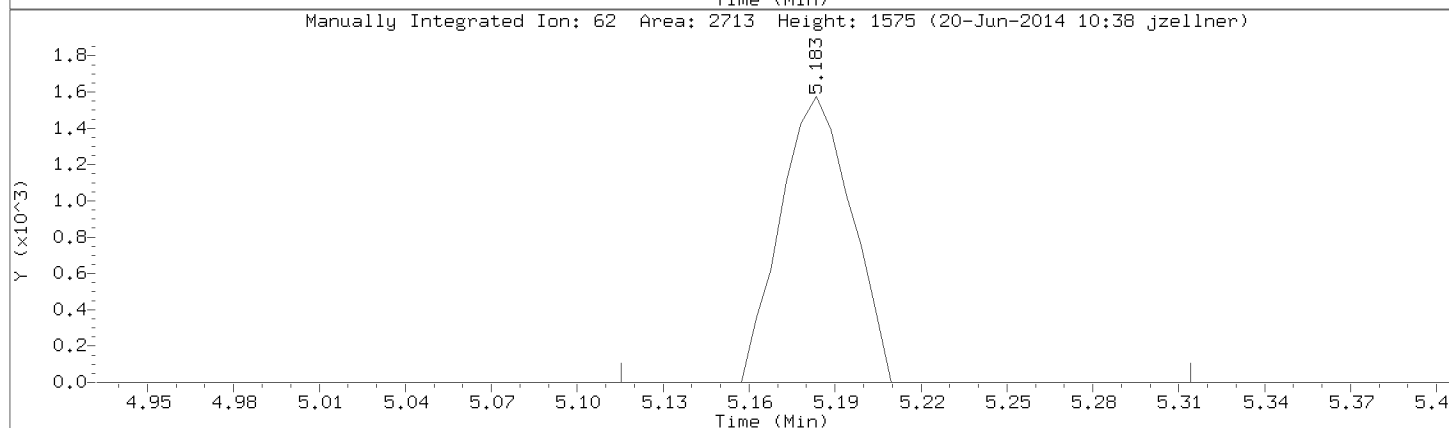
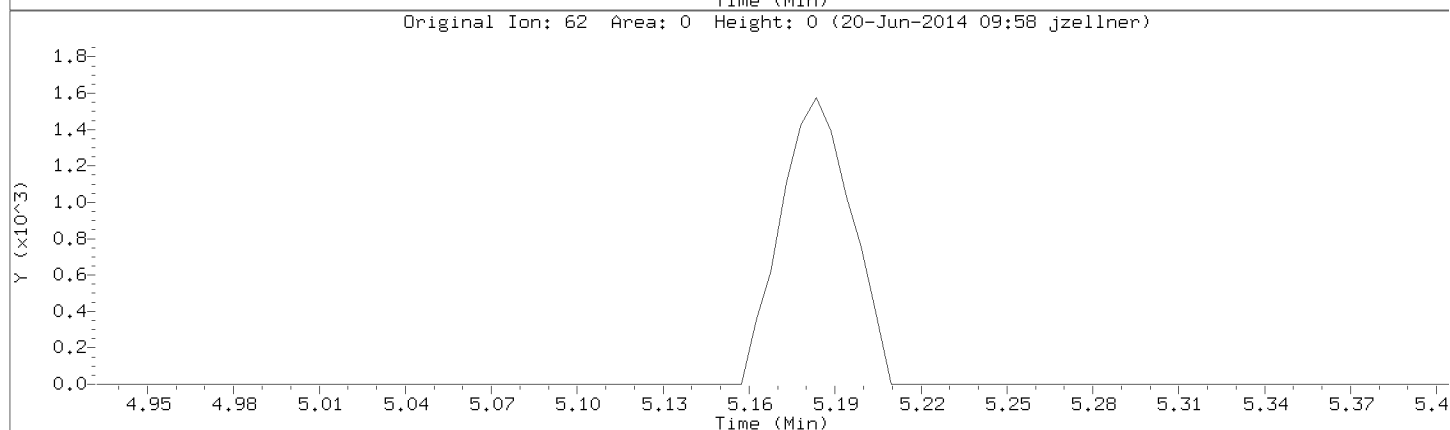
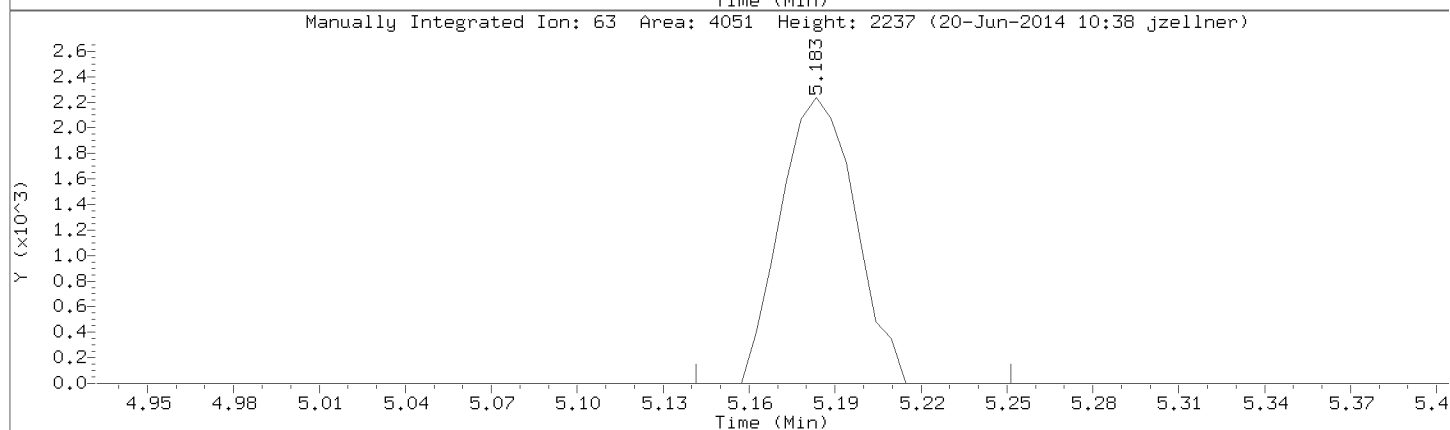
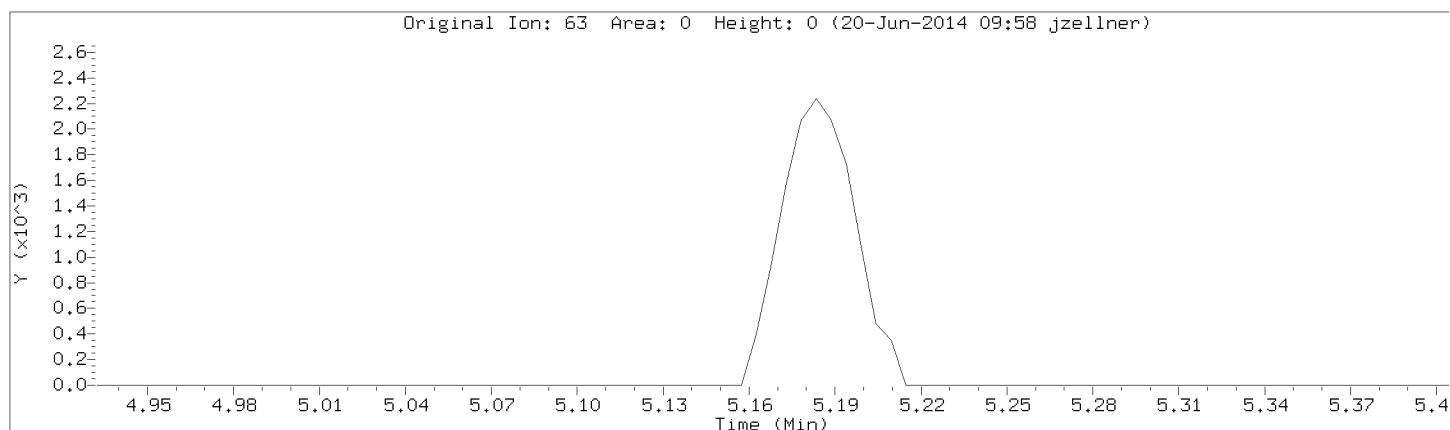
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Instrument: 50mv3a.i

Lab Sample ID: 8260-CAL4,71100:0

Compound: 1,2-Dichloropropane

CAS Number: 78-87-5

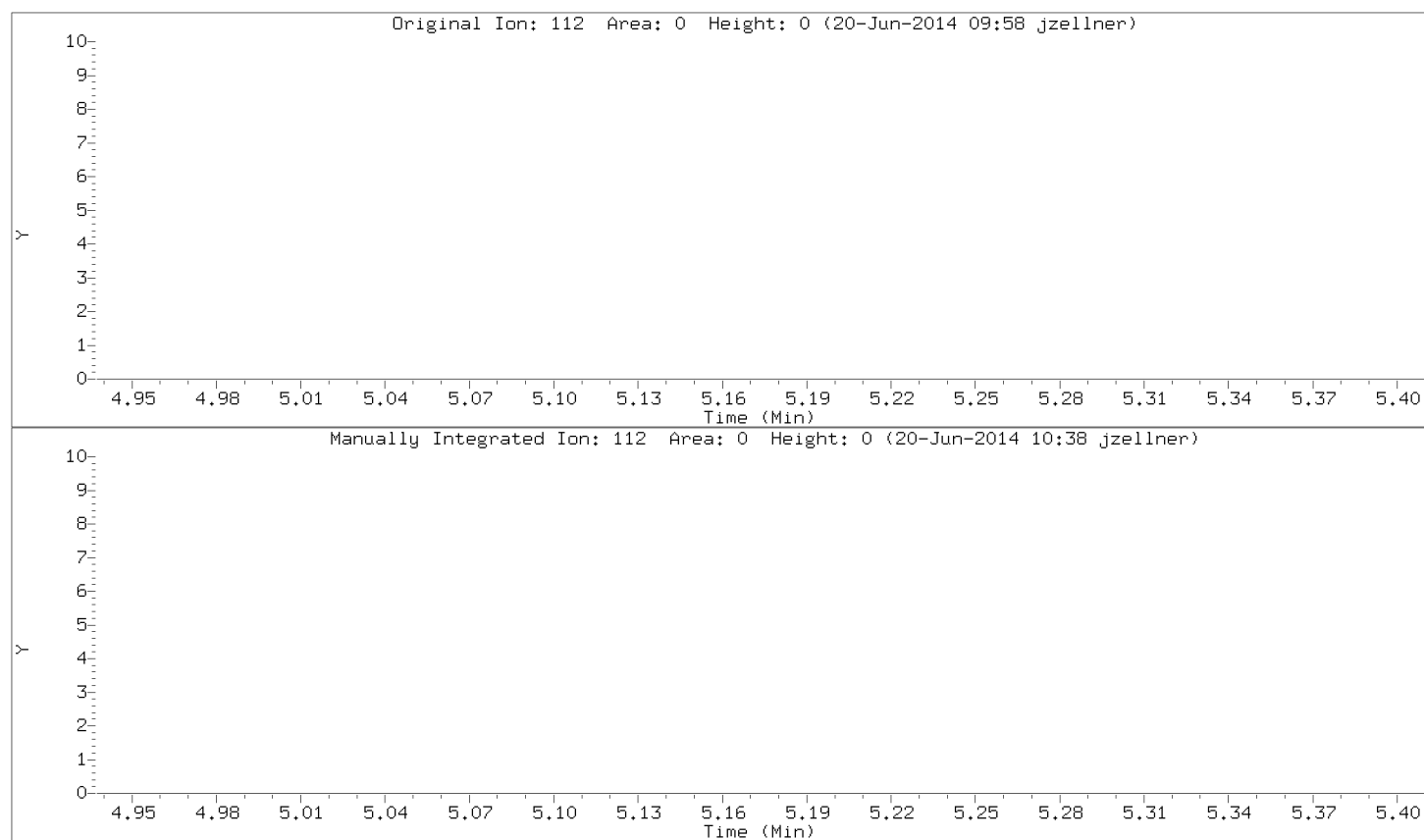


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Injection Date: 19-JUN-2014 16:23

Instrument: 50mv3a.i

Lab Sample ID: 8260-CAL4,71100:0



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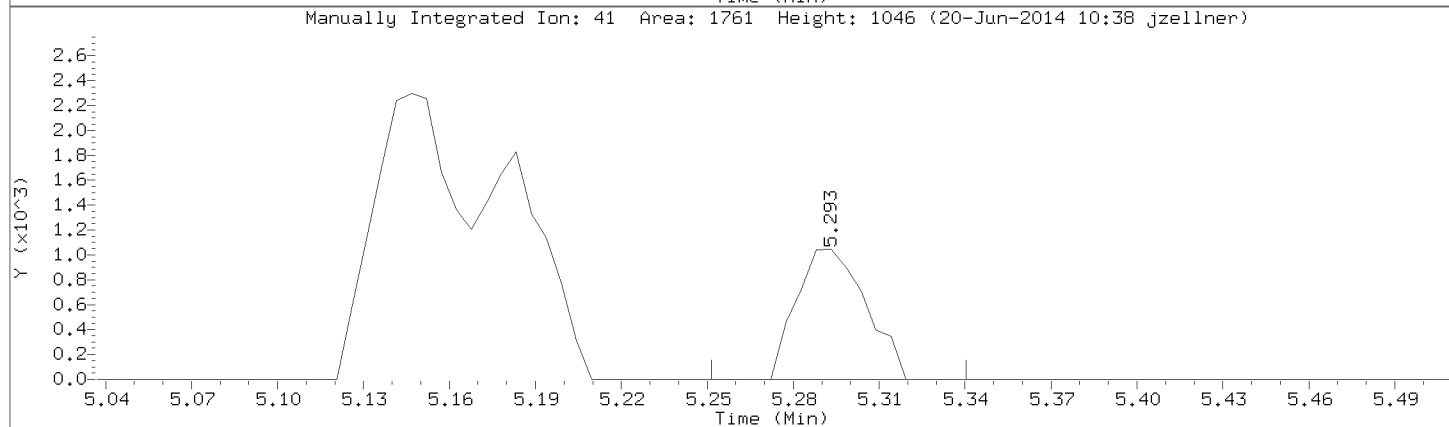
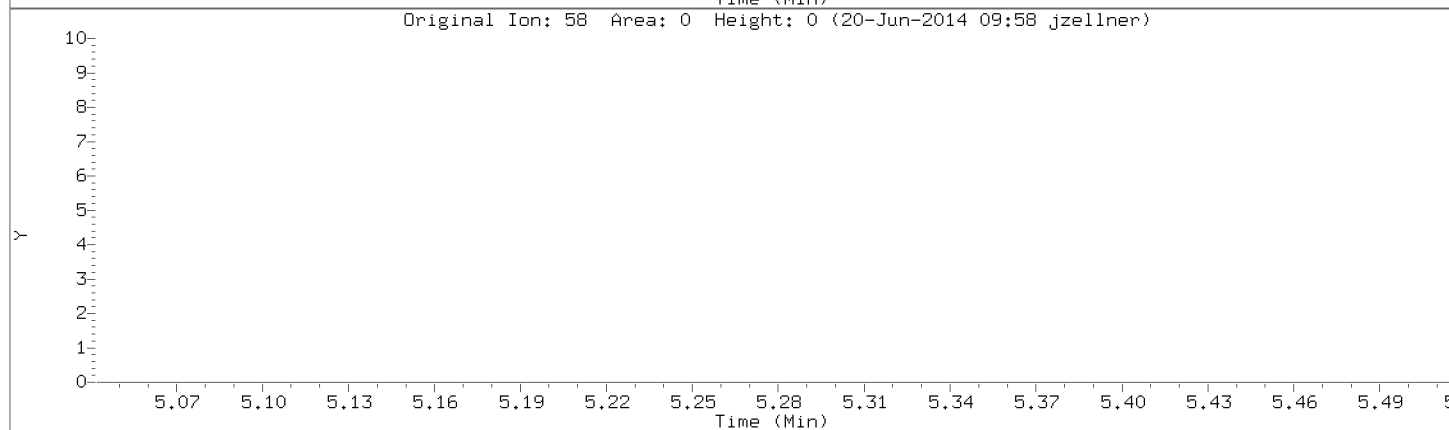
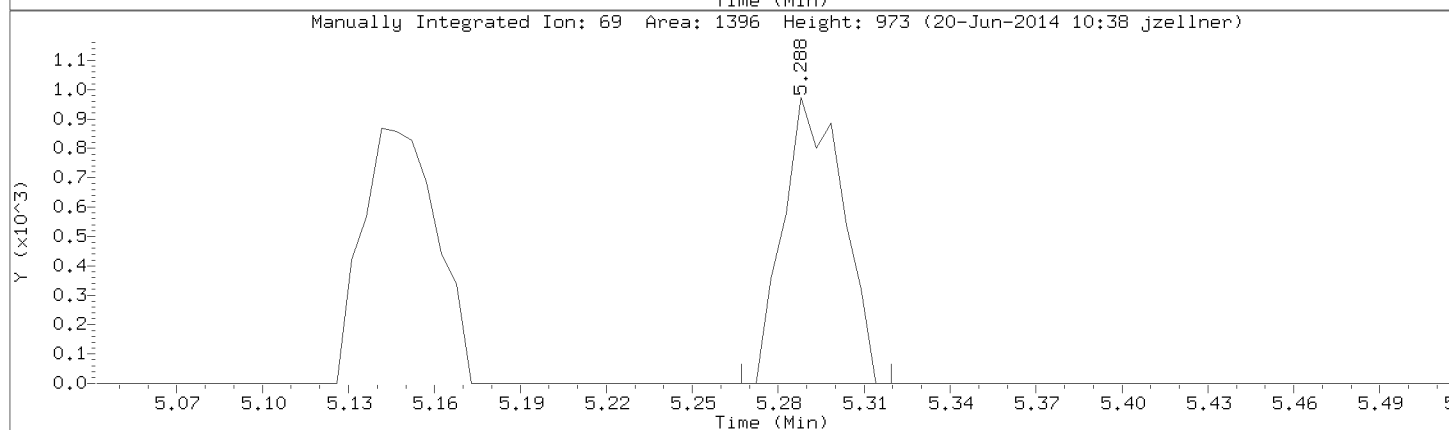
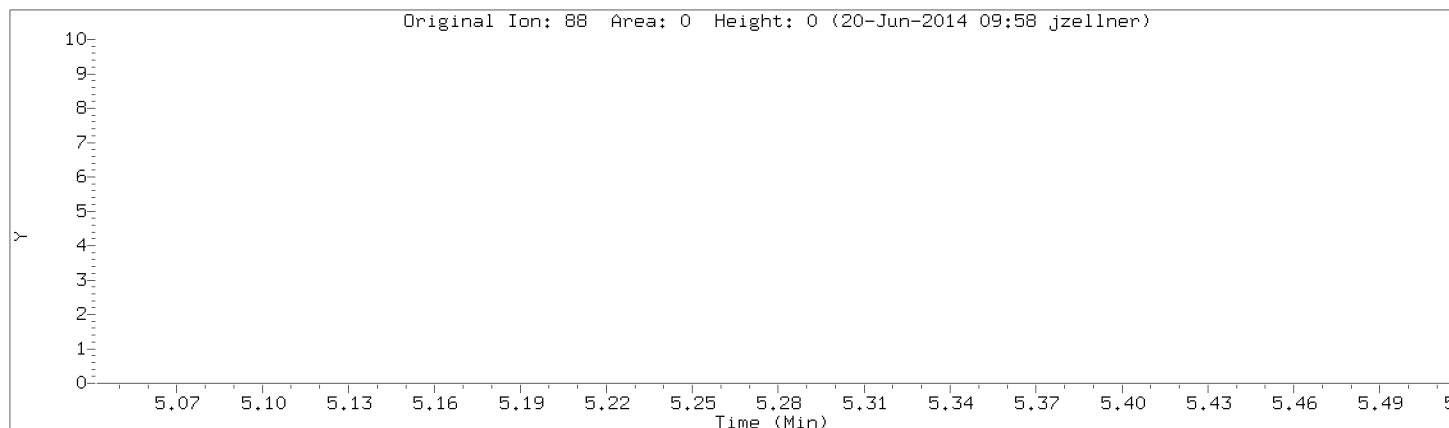
Injection Date: 19-JUN-2014 16:23

Instrument: 50mv3a.i

Lab Sample ID: 8260-CAL4,71100:0

Compound: Methyl methacrylate

CAS Number: 80-62-6

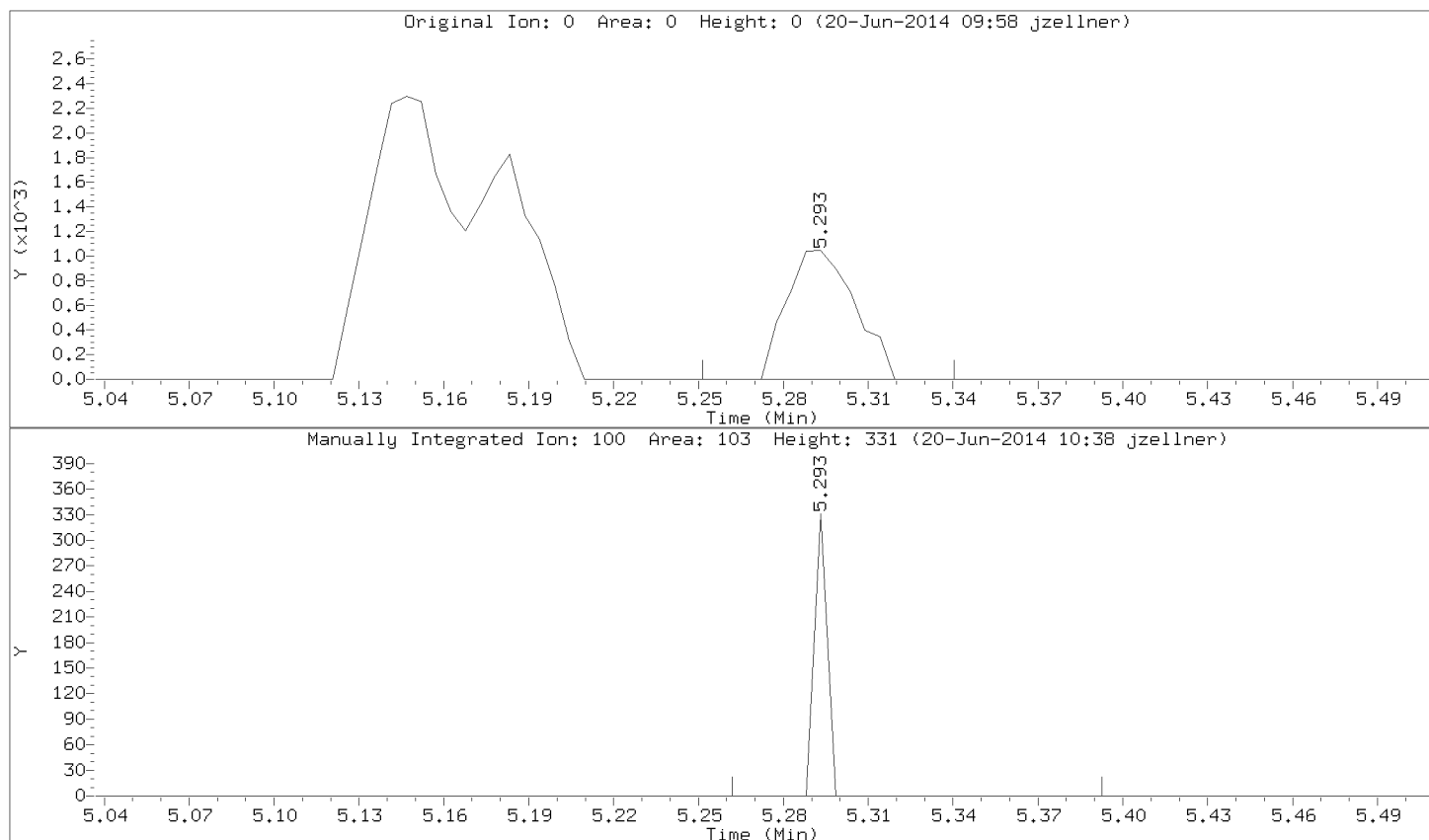


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Injection Date: 19-JUN-2014 16:23

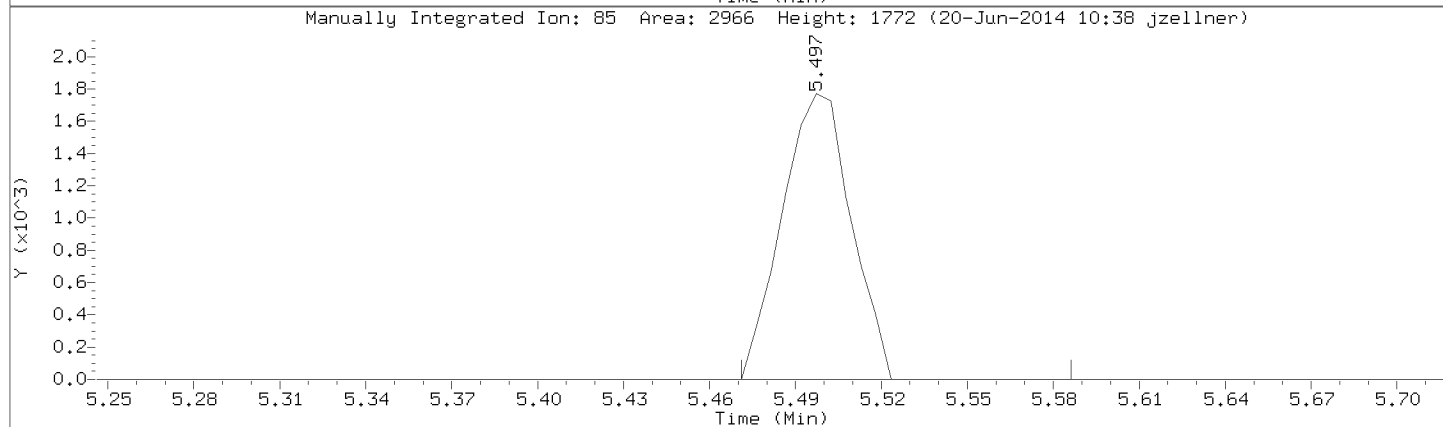
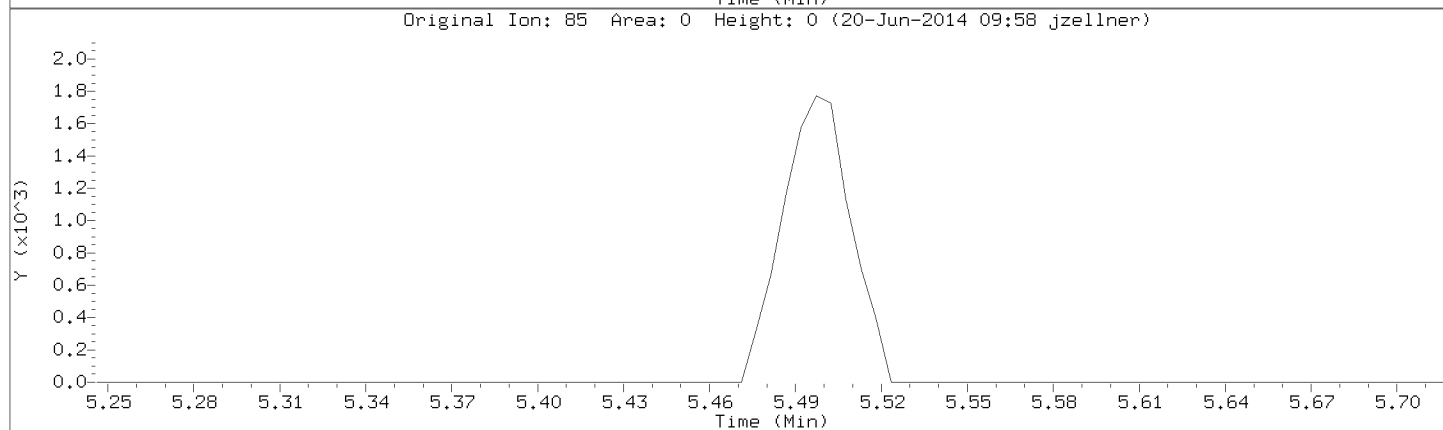
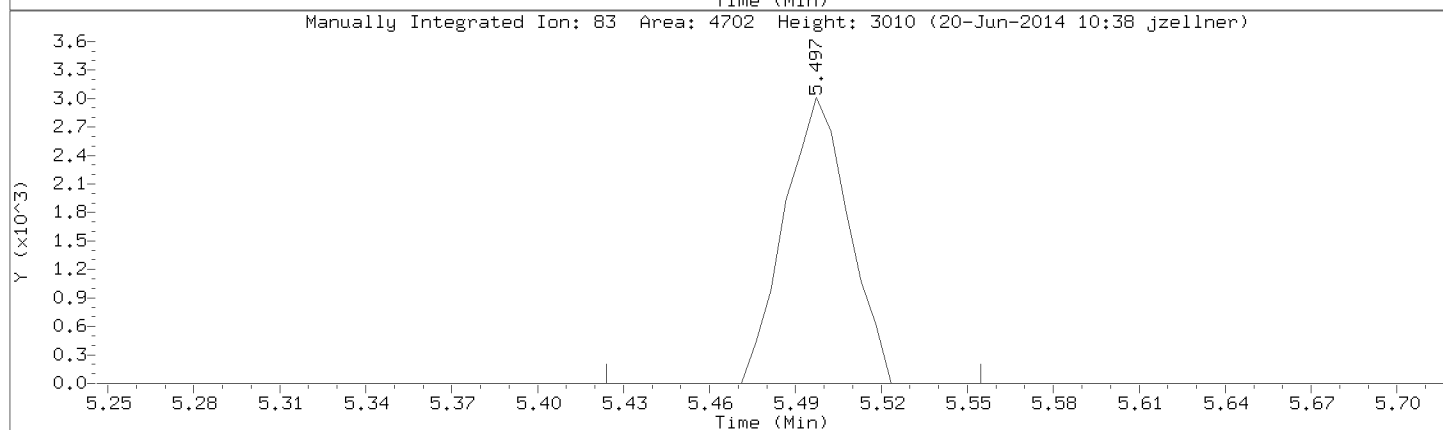
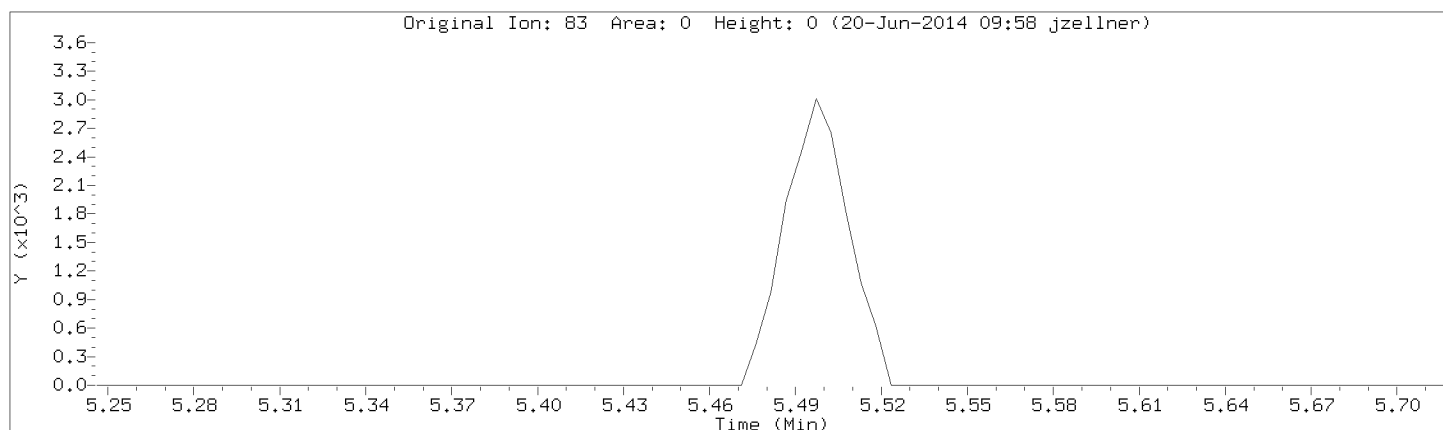
Instrument: 50mv3a.i

Lab Sample ID: 8260-CAL4,71100:0

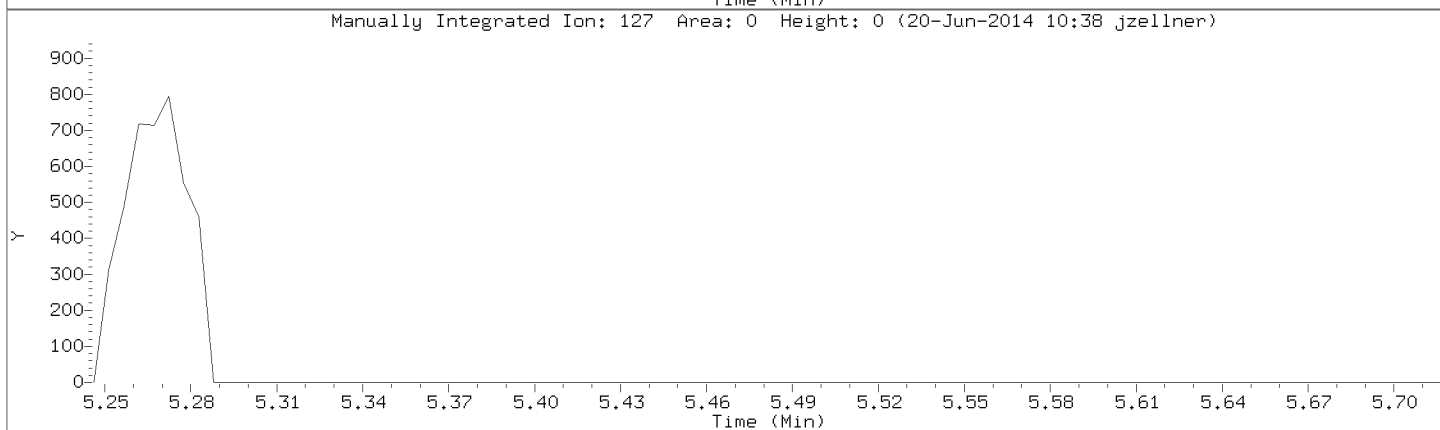
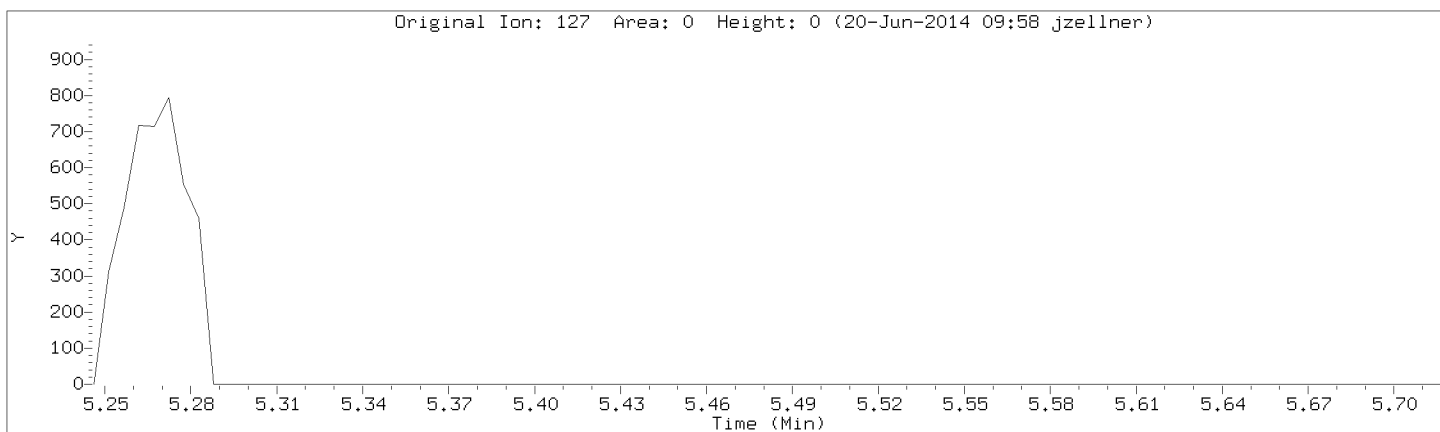


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Injection Date: 19-JUN-2014 16:23
Instrument: 50mv3a.i
Lab Sample ID: 8260-CAL4,71100:0

Compound: Bromodichloromethane
CAS Number: 75-27-4



Data File: \\192.168.50.6\chem\50mv3a.i\a061914cal.b/a04cal.d
Injection Date: 19-JUN-2014 16:23
Instrument: 50mv3a.i
Lab Sample ID: 8260-CAL4,71100:0



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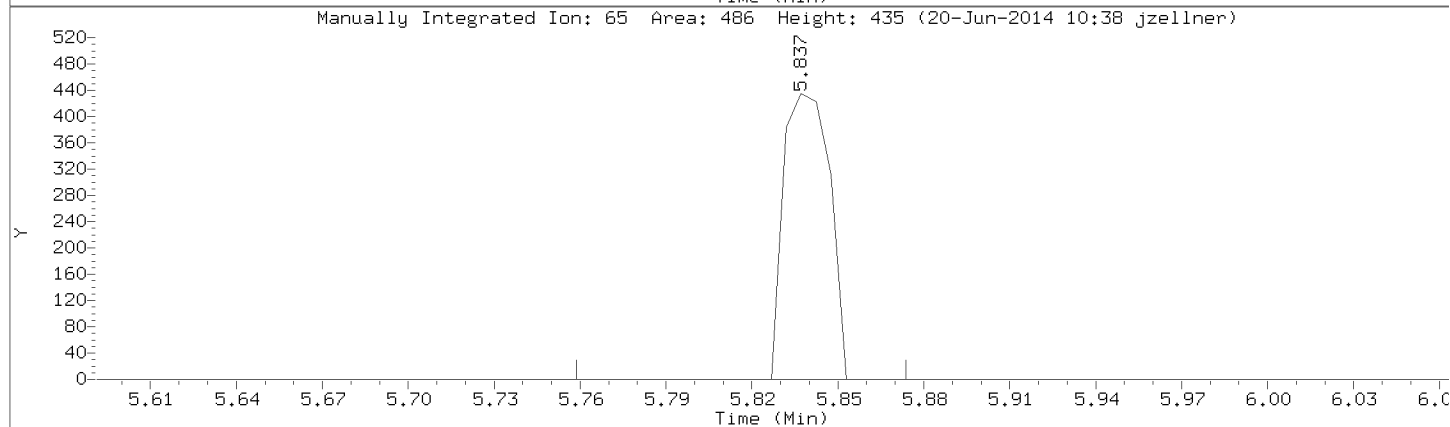
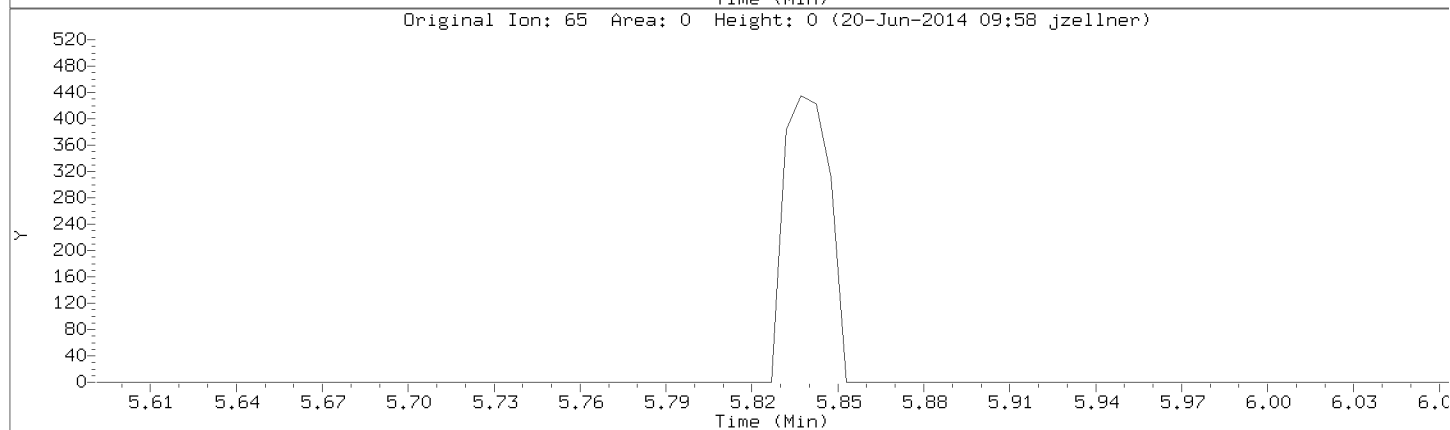
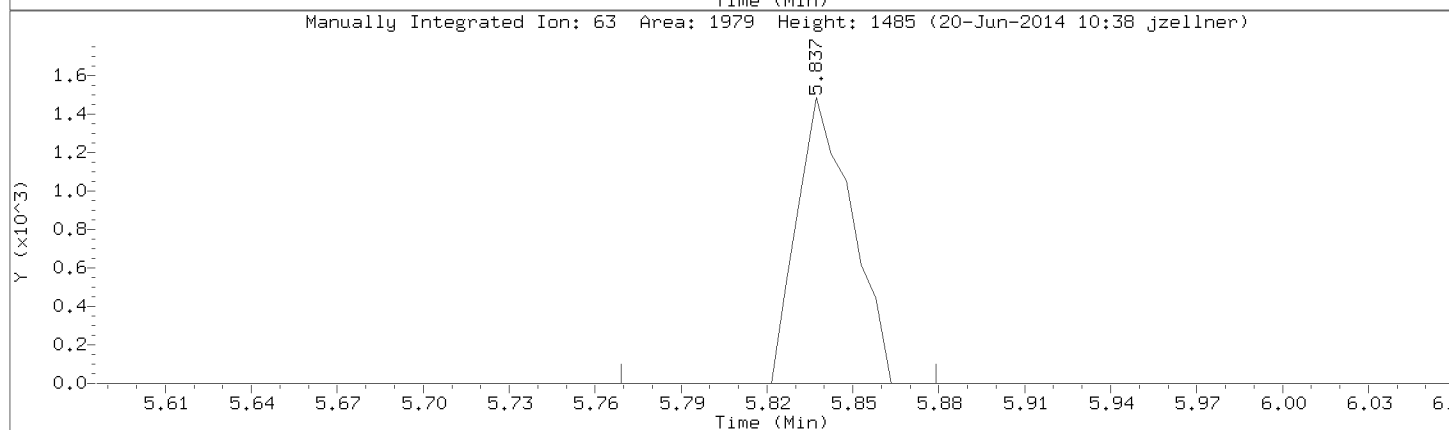
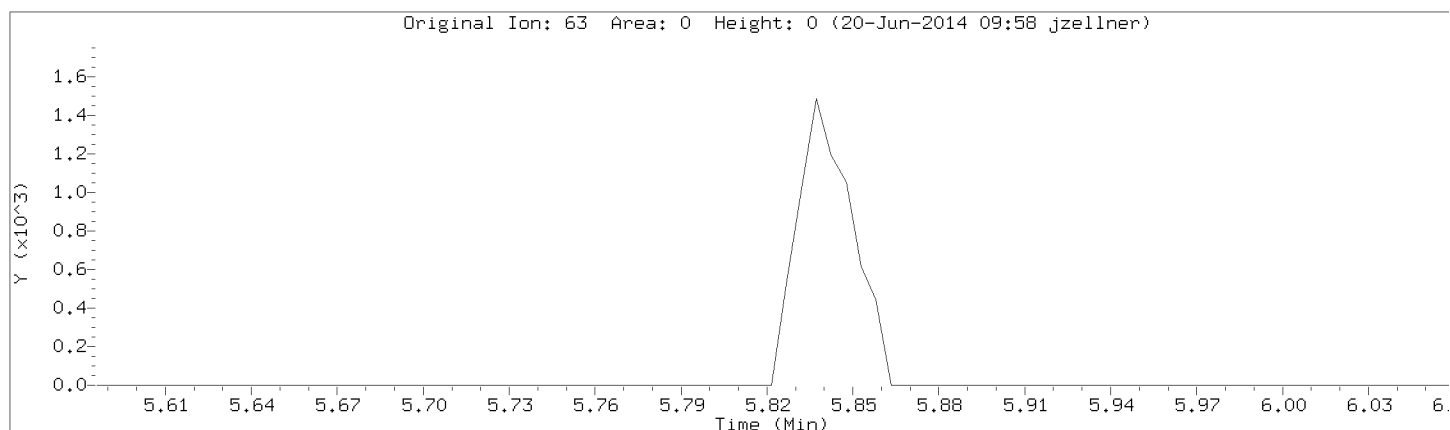
Injection Date: 19-JUN-2014 16:23

Instrument: 50mv3a.i

Lab Sample ID: 8260-CAL4,71100:0

Compound: 2-Chloroethyl vinyl ether

CAS Number: 110-75-8



Data File: \\192.168.50.6\chem\50mv3a.i\061914cal.b/a04cal.d

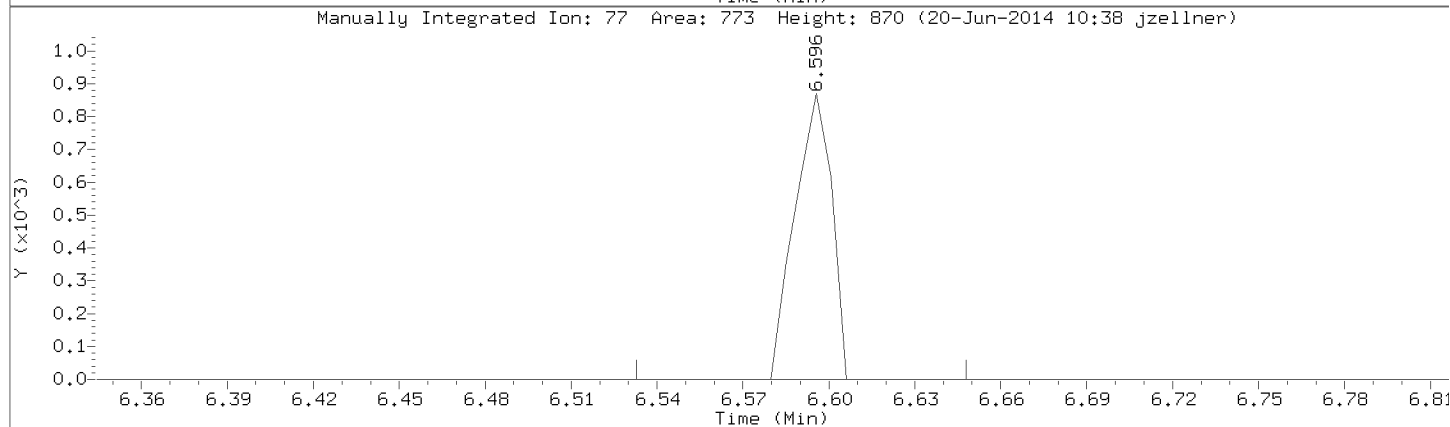
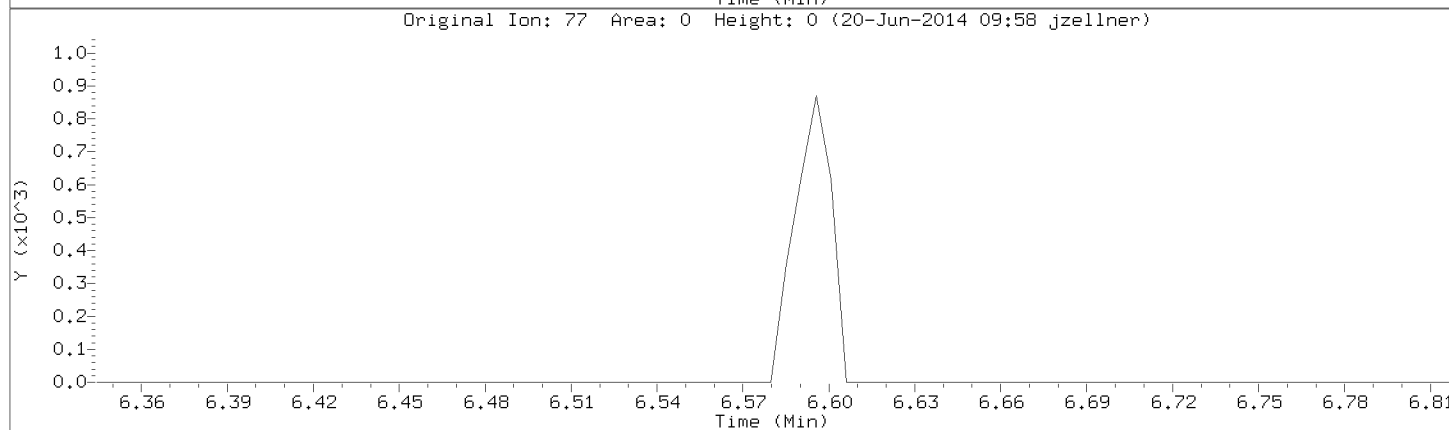
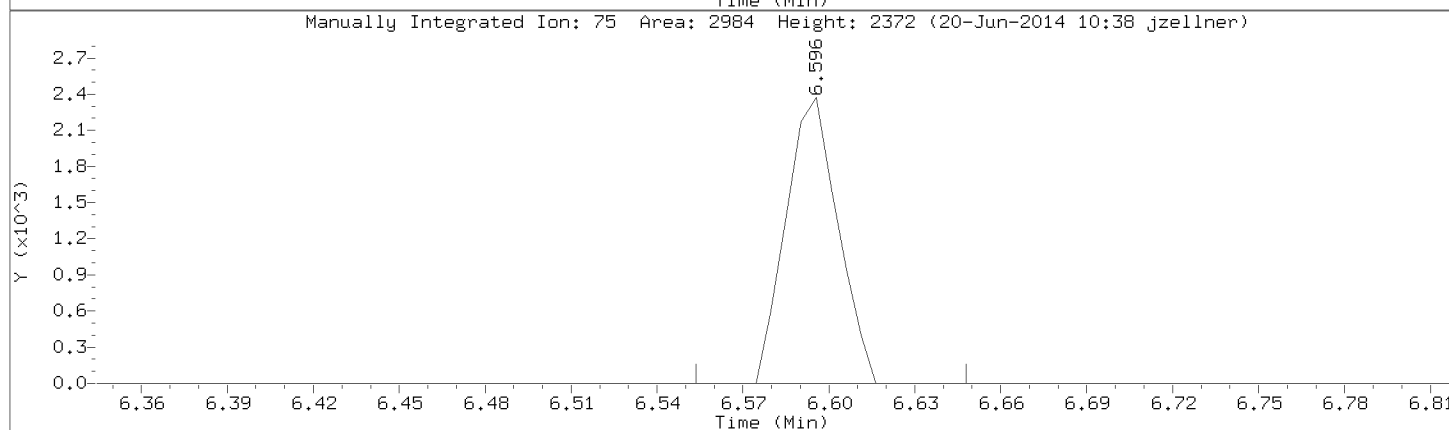
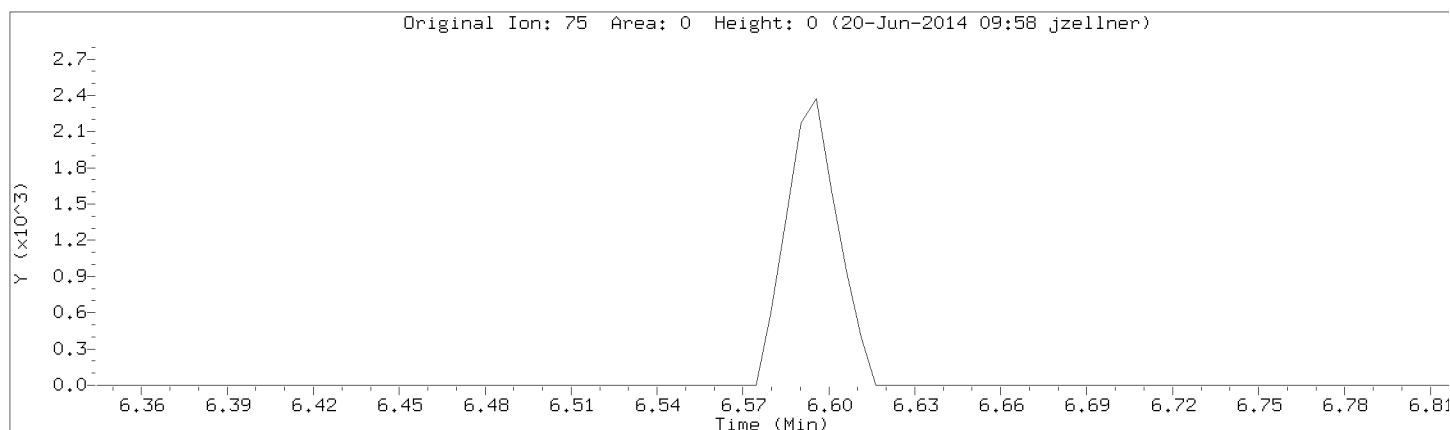
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Instrument: 50mv3a.i

Lab Sample ID: 8260-CAL4,71100:0

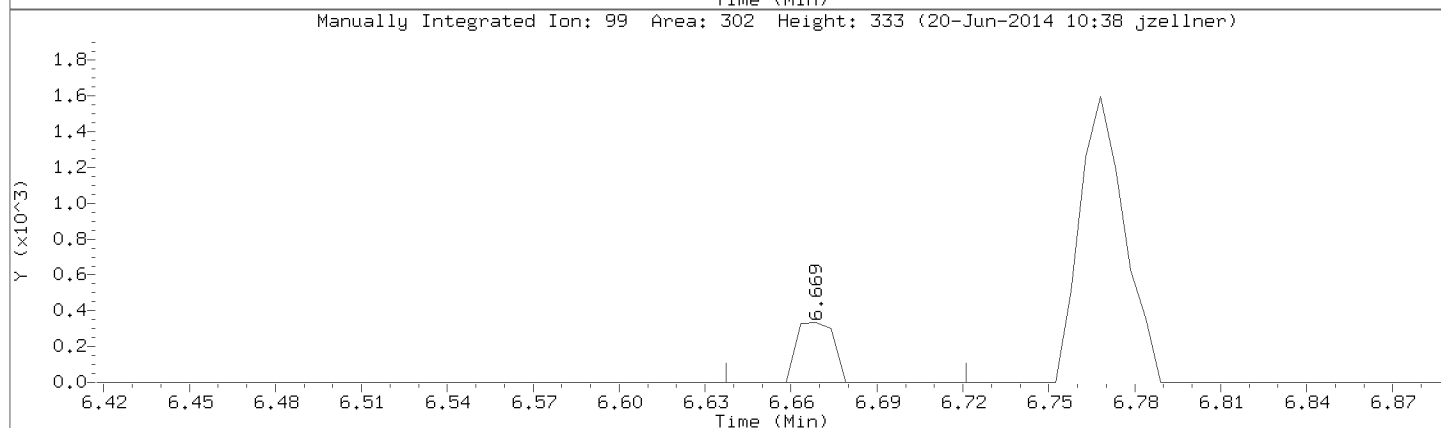
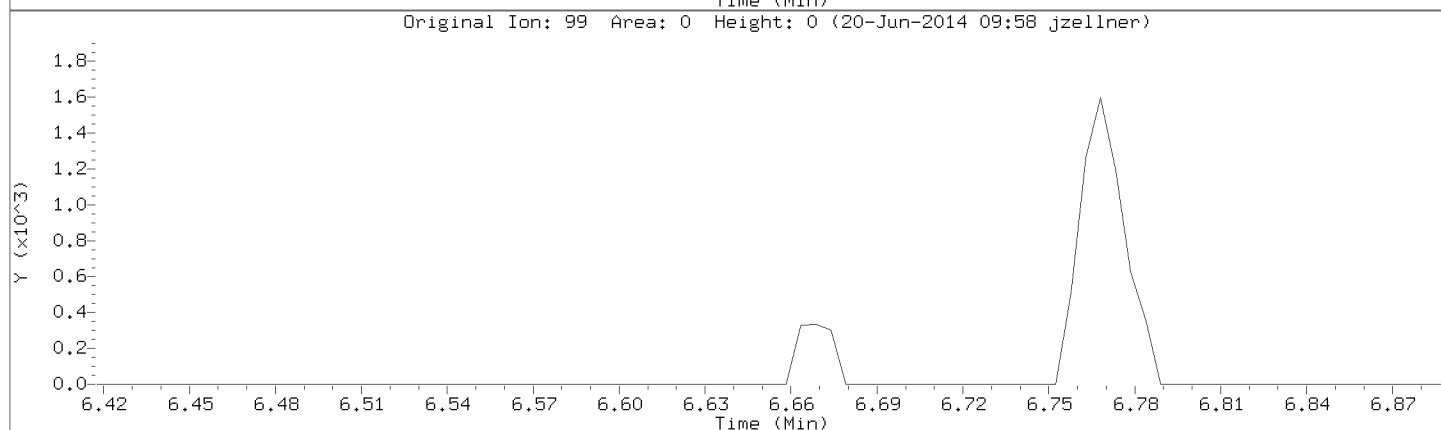
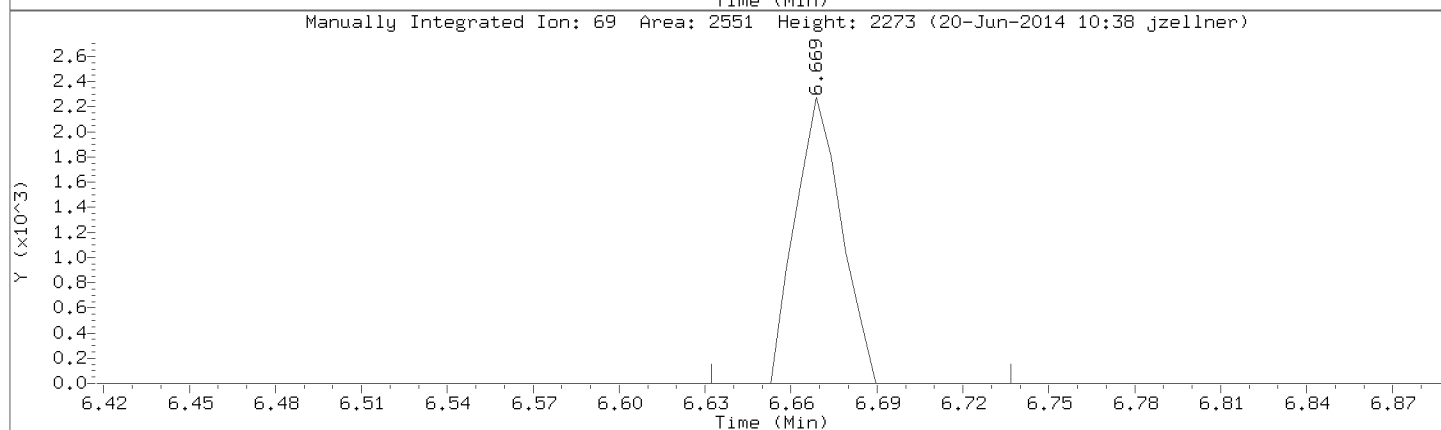
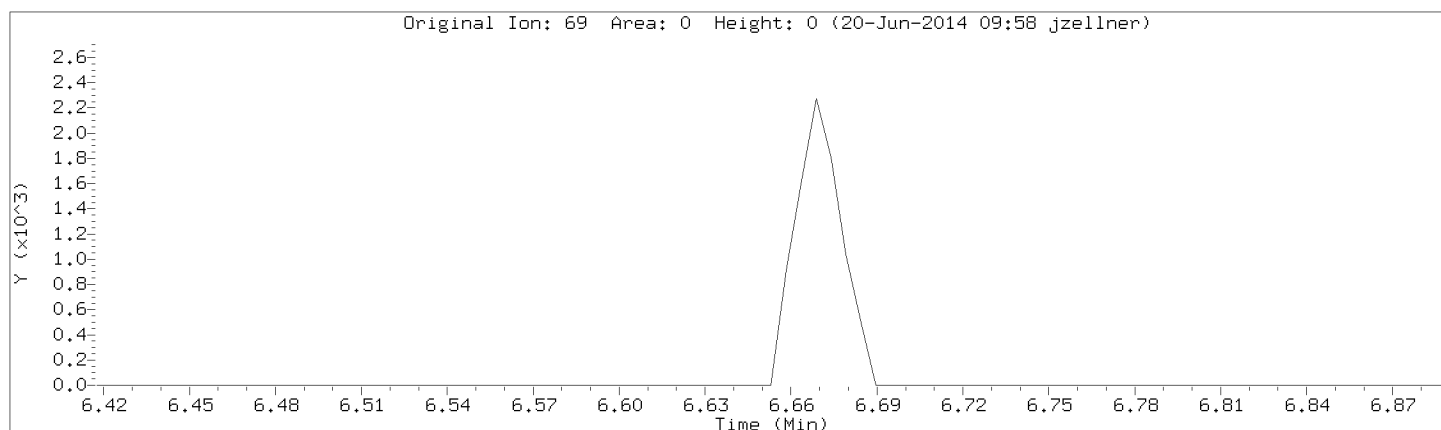
Compound: trans-1,3-Dichloropropene

CAS Number: 10061-02-6

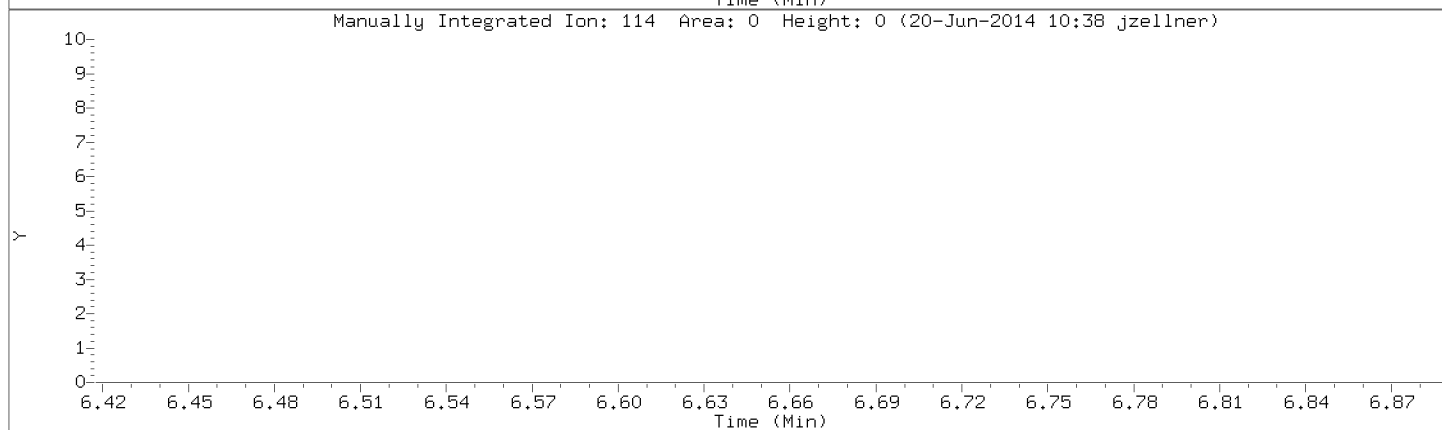
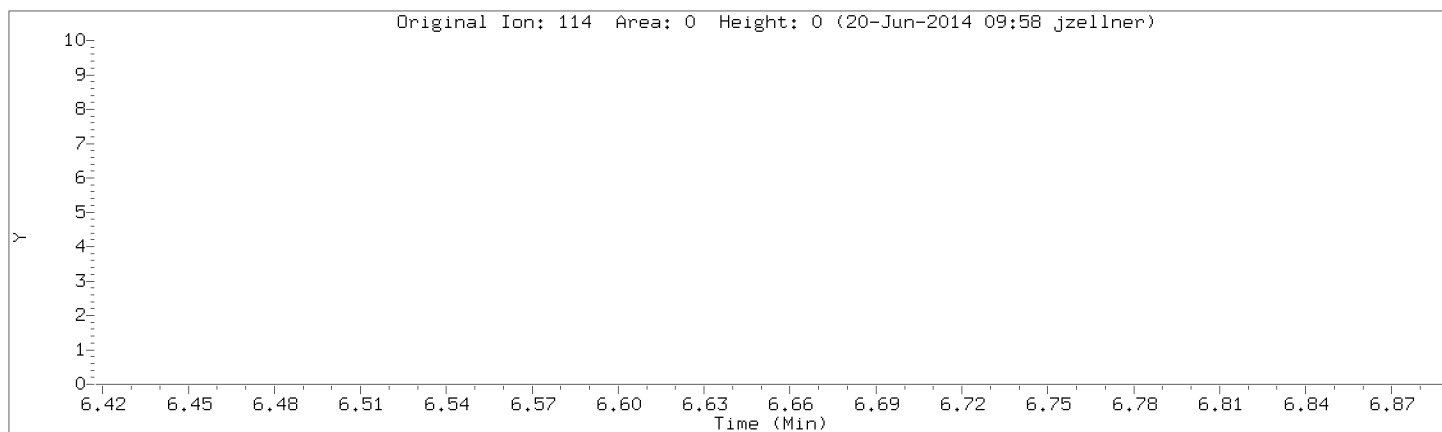


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Injection Date: 19-JUN-2014 16:23
Instrument: 50mv3a.i
Lab Sample ID: 8260-CAL4,71100:0

Compound: Ethyl Methacrylate
CAS Number:

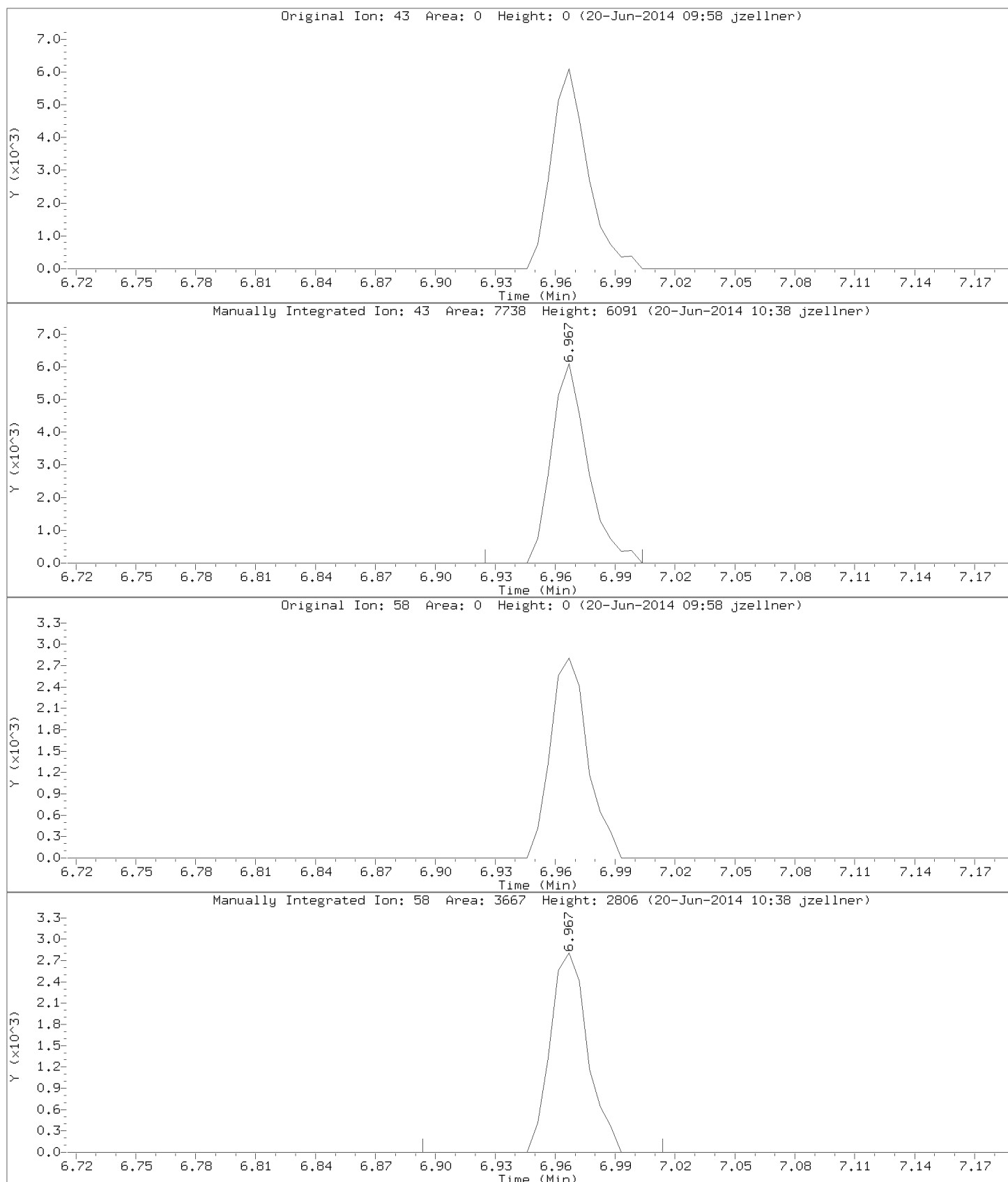


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Lab Sample ID: 8260-CAL4,71100:0

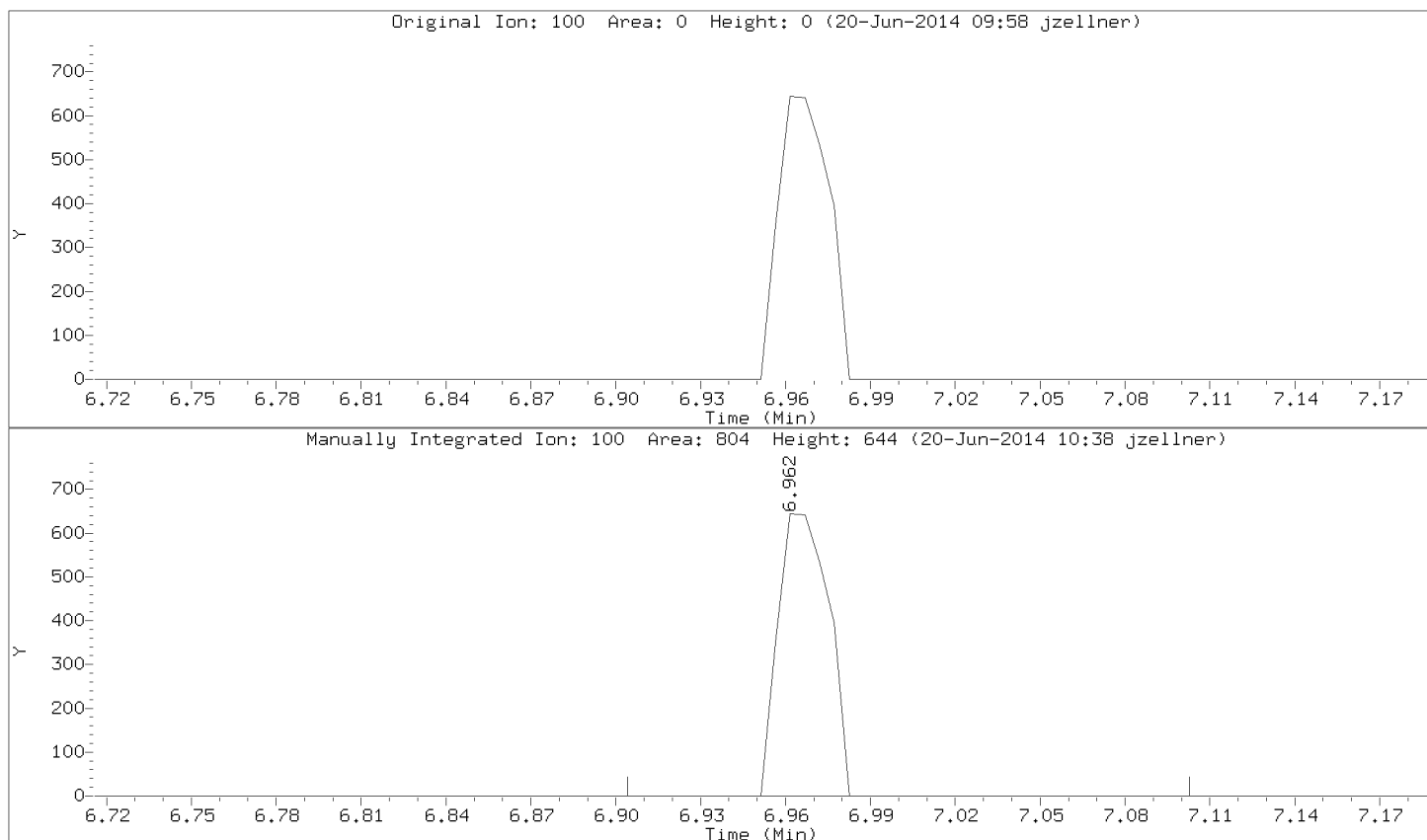


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Injection Date: 19-JUN-2014 16:23
Instrument: 50mv3a.i
Lab Sample ID: 8260-CAL4,71100:0

Compound: 2-Hexanone
CAS Number: 591-78-6



Data File: \\192.168.50.6\chem\50mv3a.i\a061914cal.b/a04cal.d
Injection Date: 19-JUN-2014 16:23
Instrument: 50mv3a.i
Lab Sample ID: 8260-CAL4,71100:0



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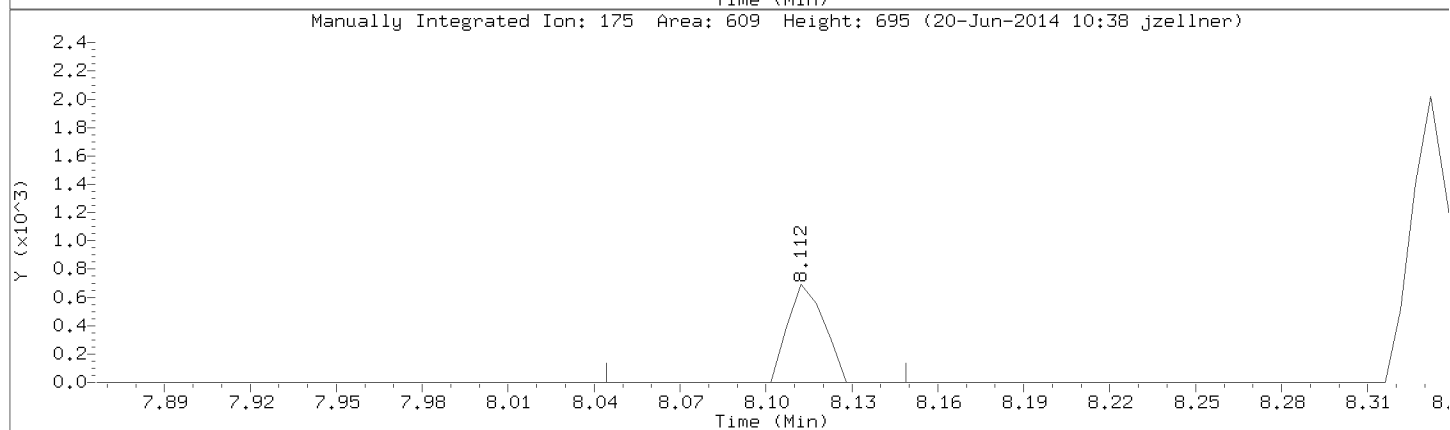
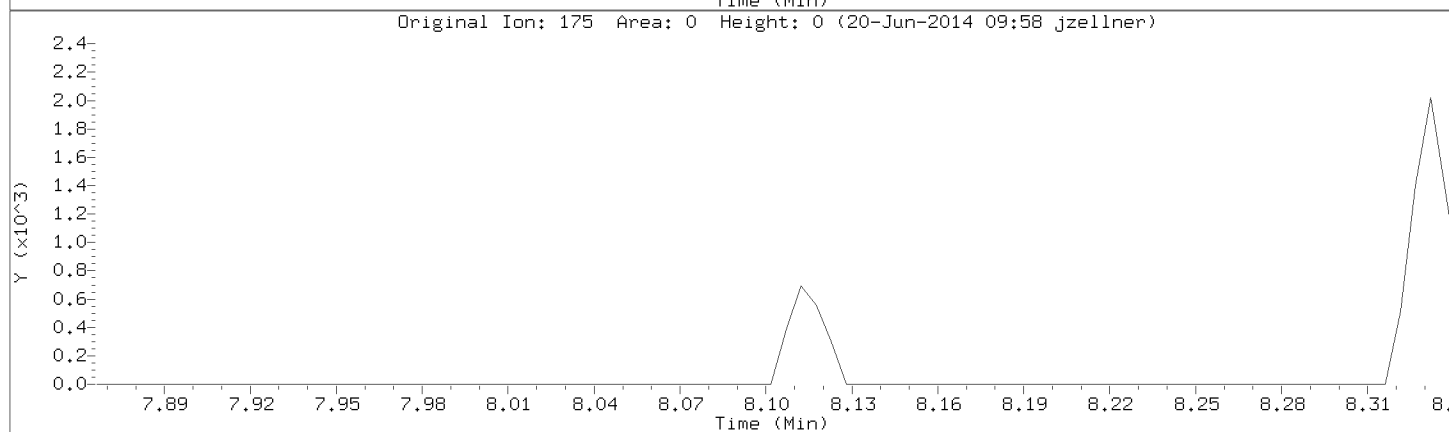
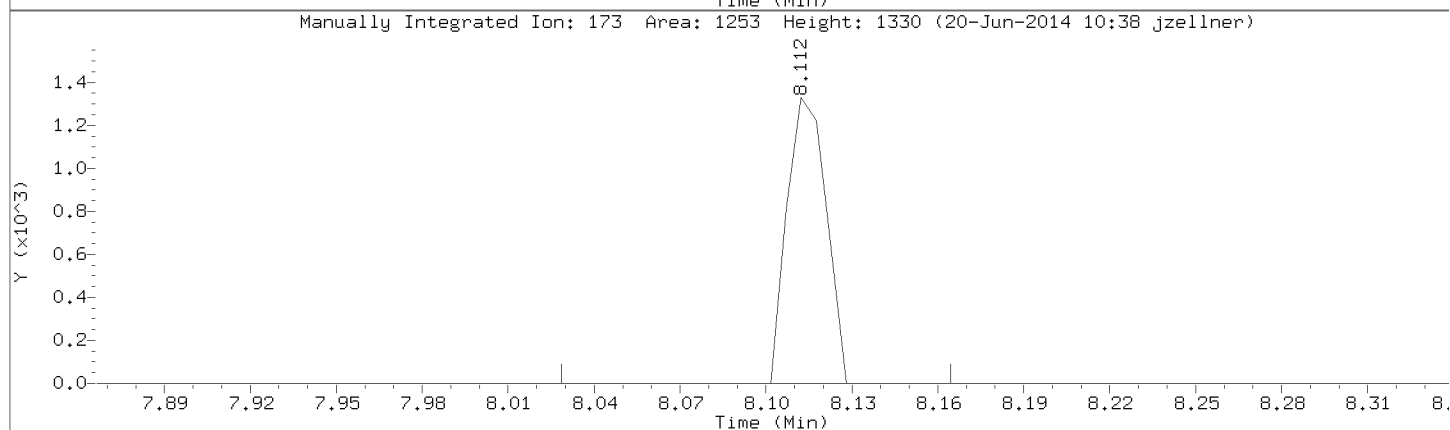
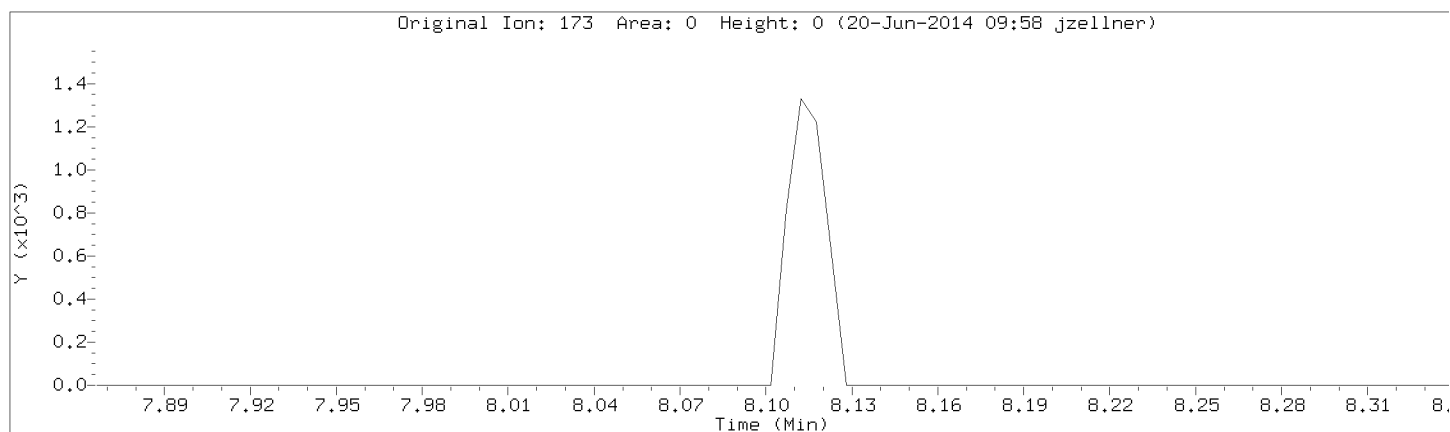
Injection Date: 19-JUN-2014 16:23

Instrument: 50mv3a.i

Lab Sample ID: 8260-CAL4,71100:0

Compound: Bromoform

CAS Number: 75-25-2

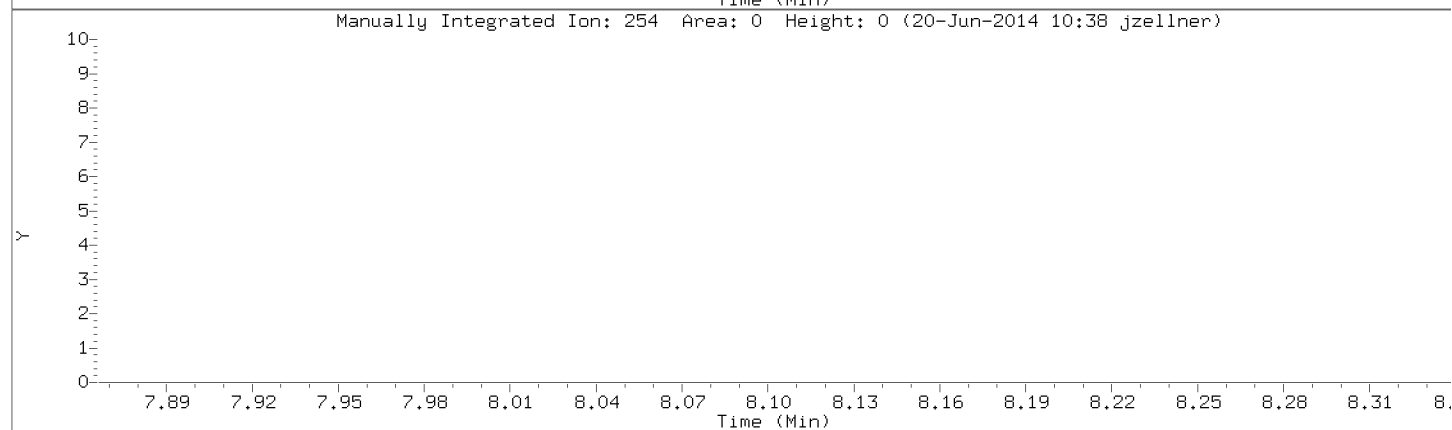
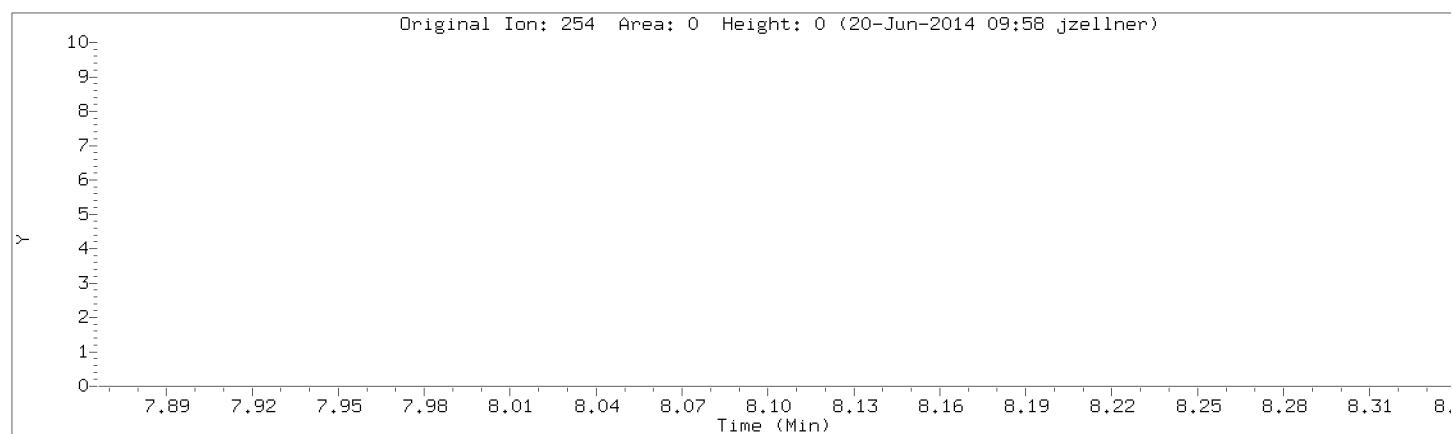


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Injection Date: 19-JUN-2014 16:23

Instrument: 50mv3a.i

Lab Sample ID: 8260-CAL4,71100:0



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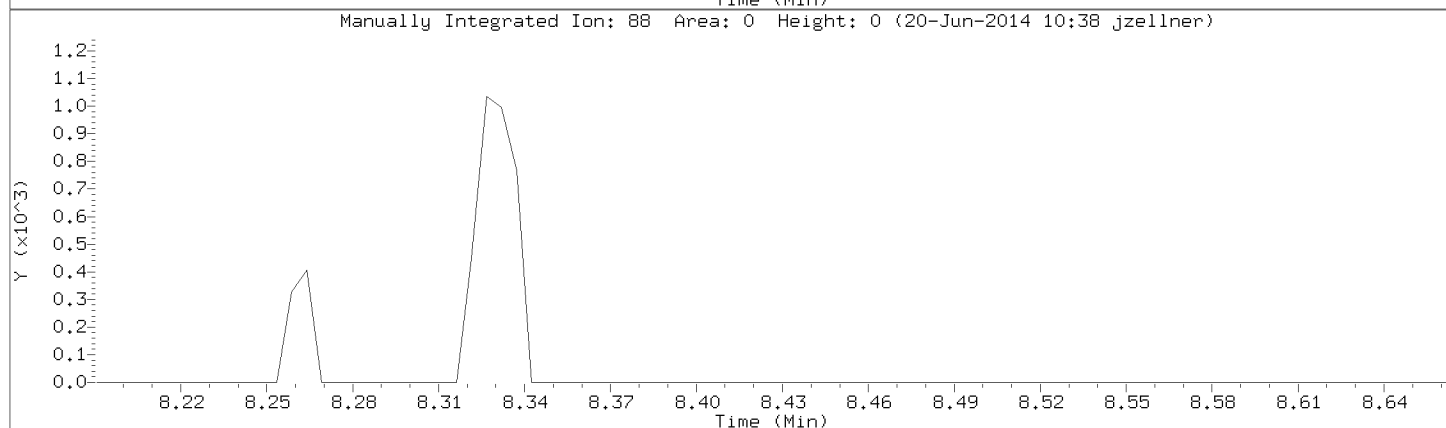
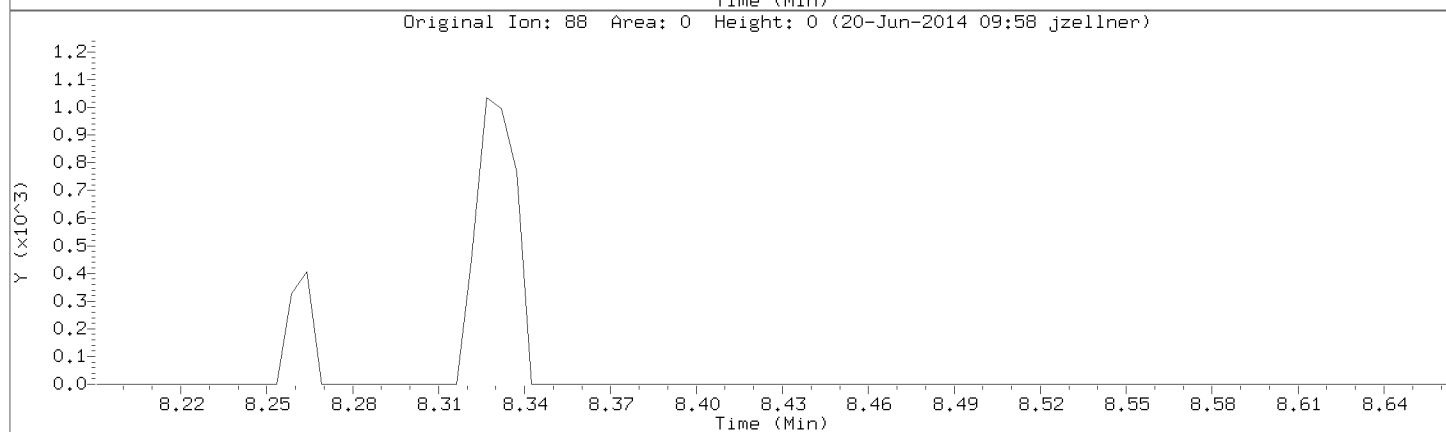
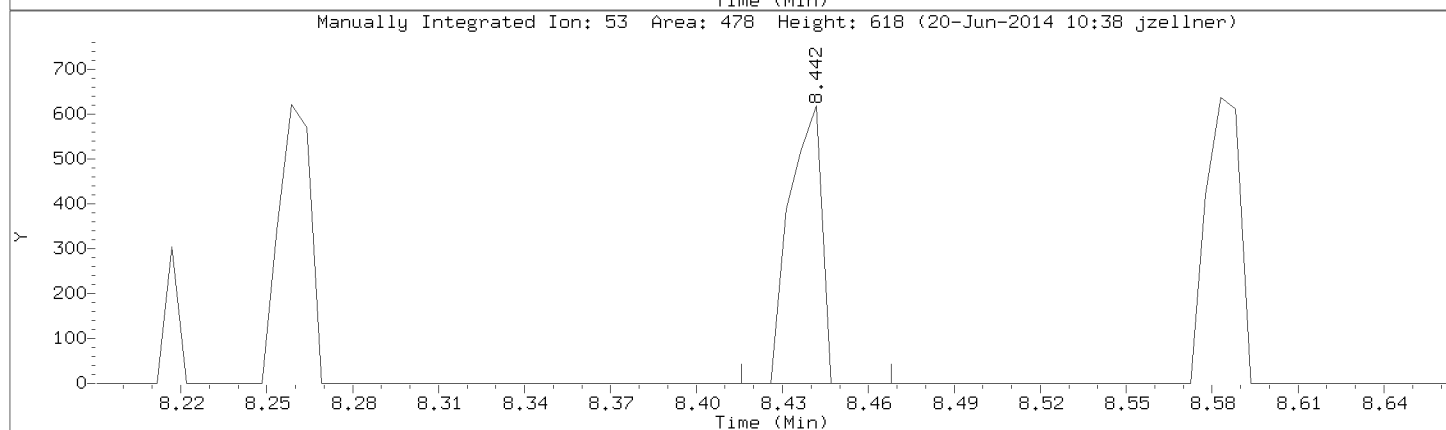
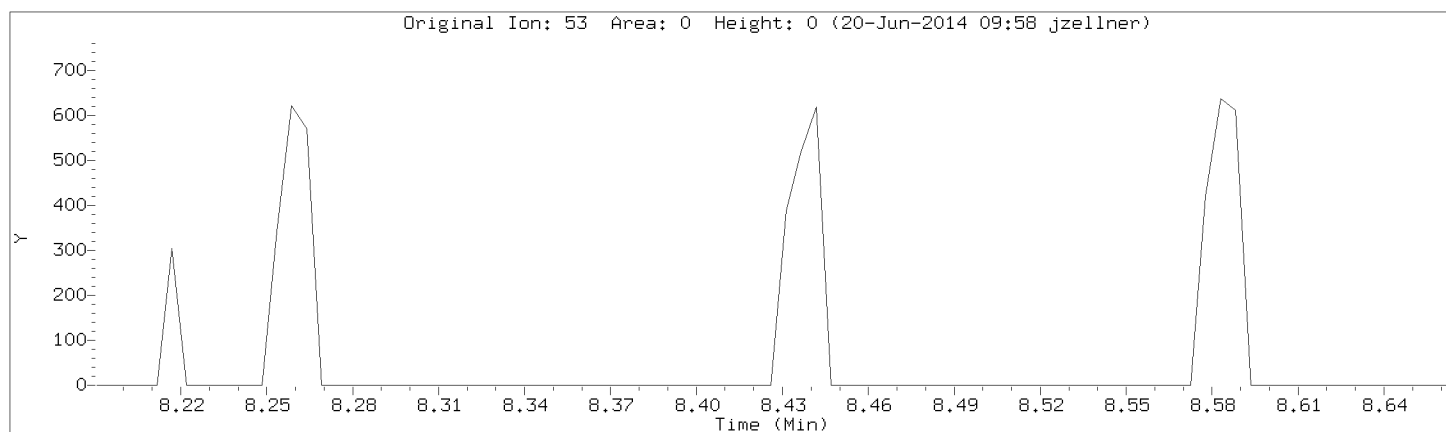
Injection Date: 19-JUN-2014 16:23

Instrument: 50mv3a.i

Lab Sample ID: 8260-CAL4,71100:0

Compound: trans-1,4-Dichloro-2-butene

CAS Number:

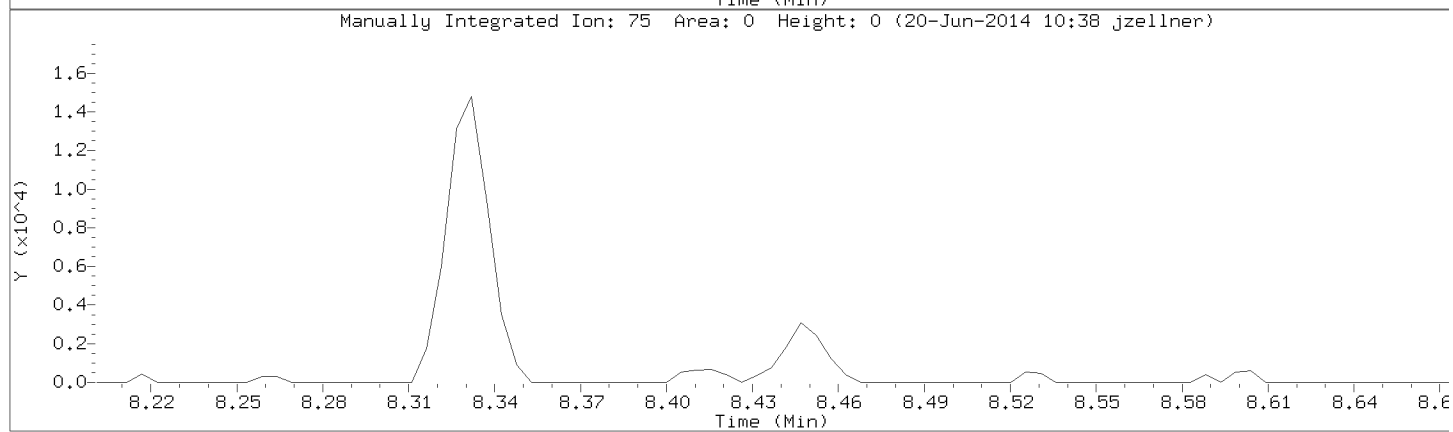
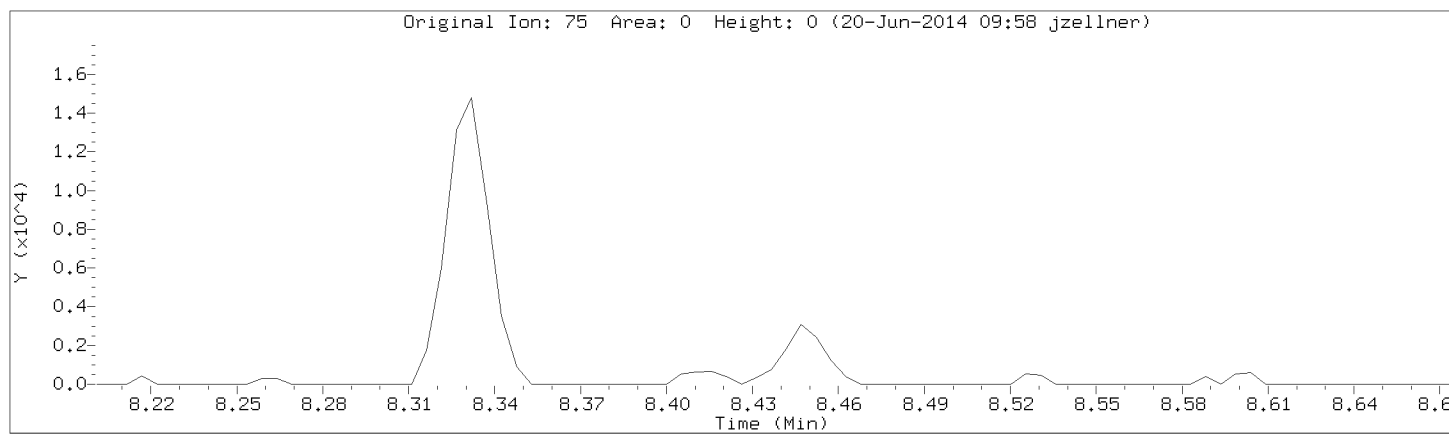


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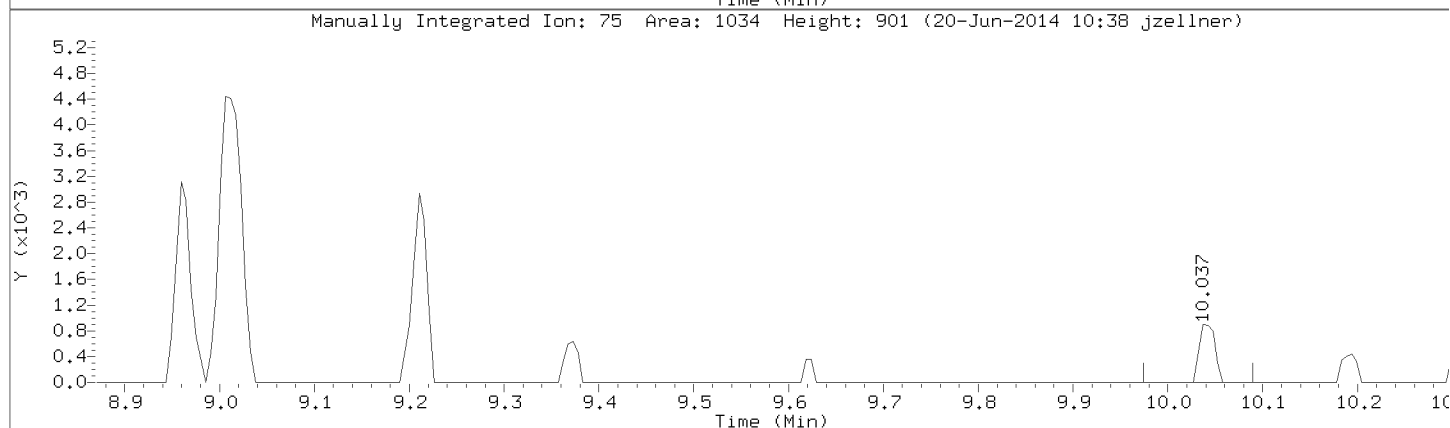
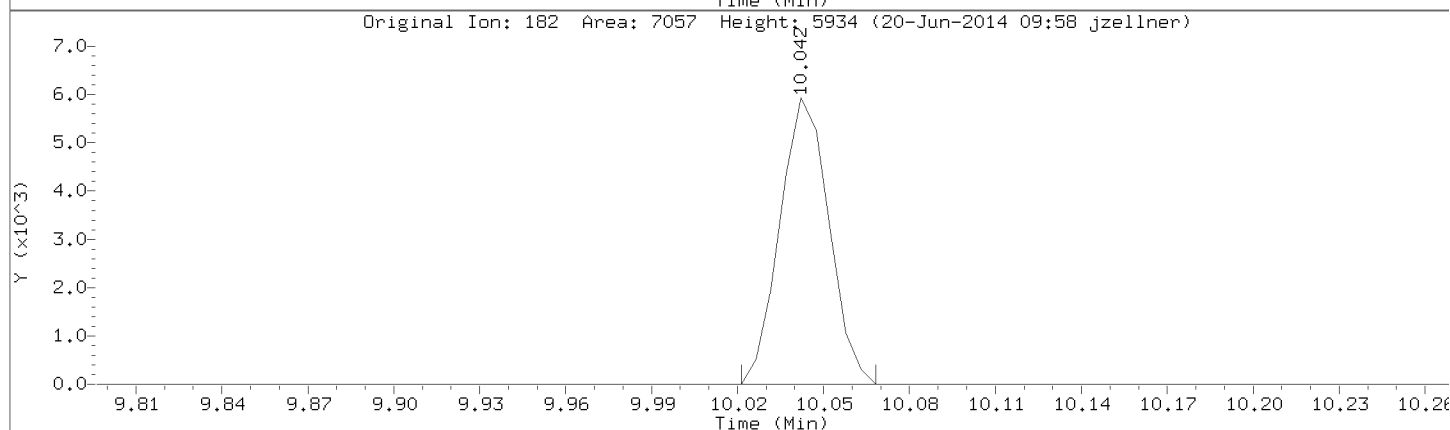
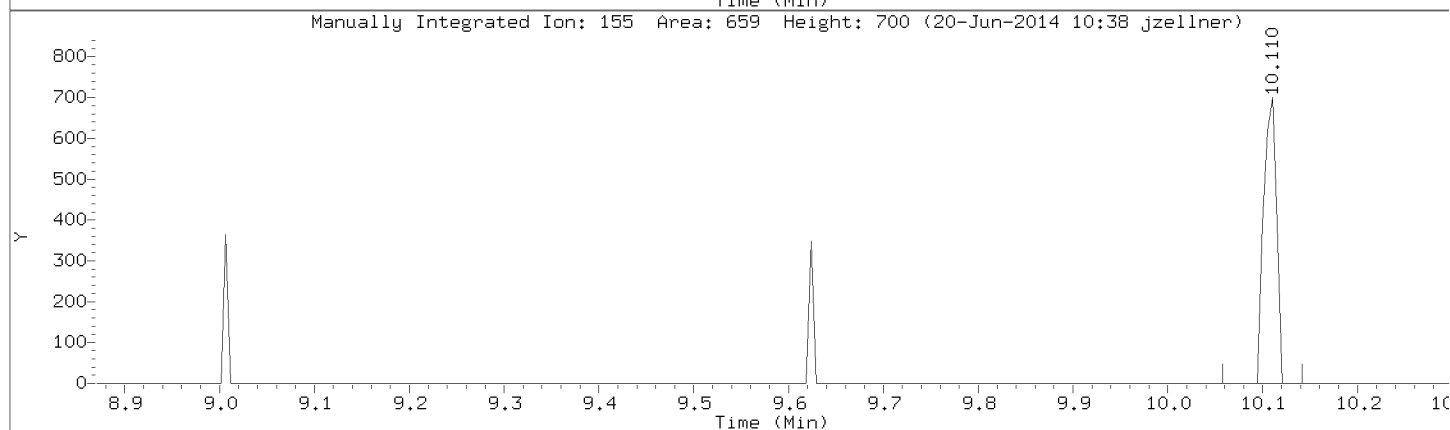
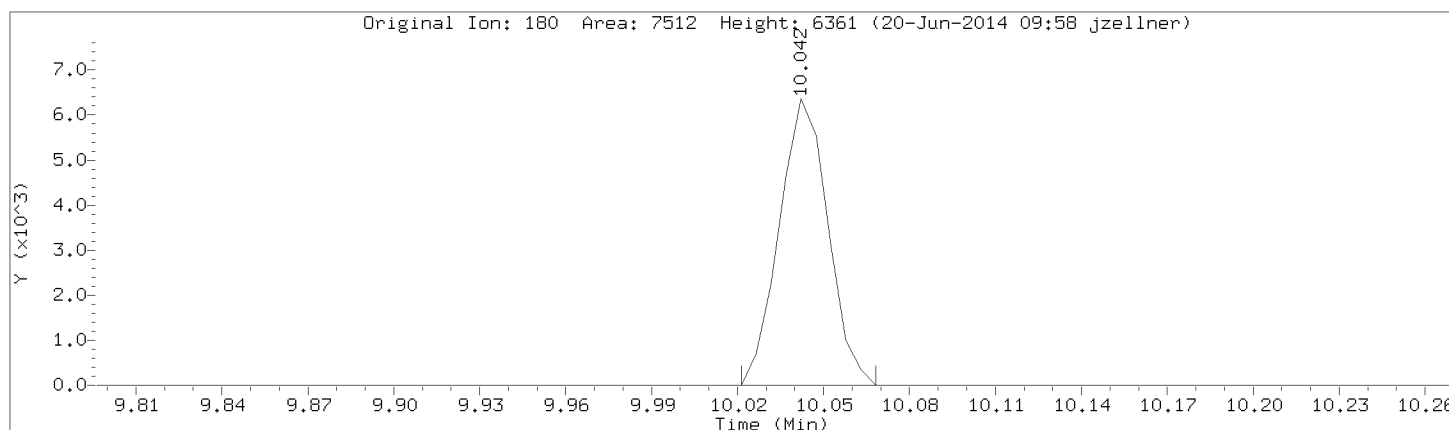
Instrument: 50mv3a.i

Lab Sample ID: 8260-CAL4,71100:0

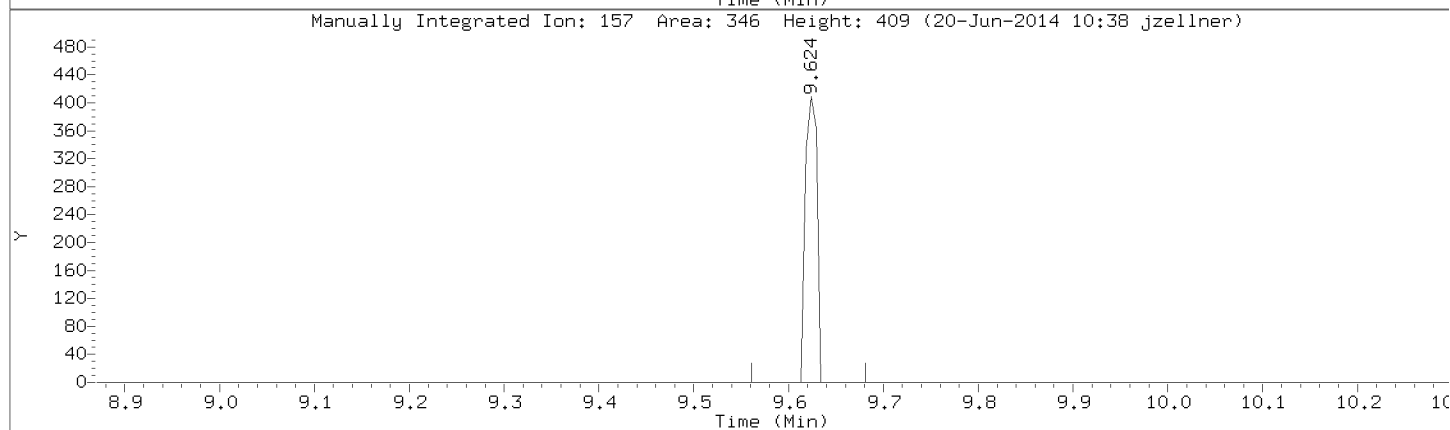
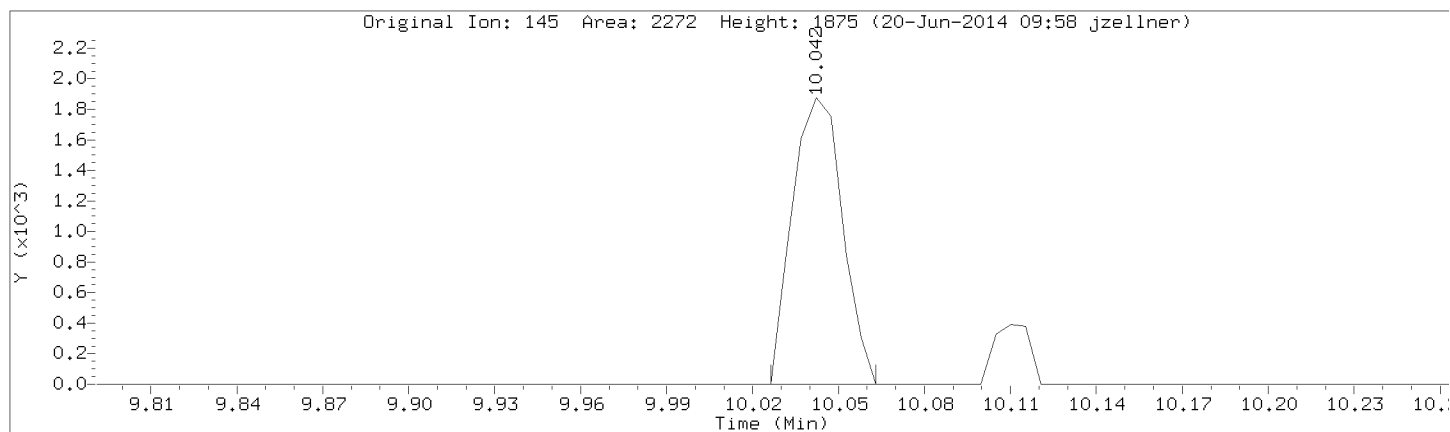


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Injection Date: 19-JUN-2014 16:23
Instrument: 50mv3a.i
Lab Sample ID: 8260-CAL4,71100:0

Compound: 1,2-Dibromo-3-chloropropane
CAS Number: 96-12-8



Data File: \\192.168.50.6\chem\50mv3a.i\a061914cal.b/a04cal.d
Injection Date: 19-JUN-2014 16:23
Instrument: 50mv3a.i
Lab Sample ID: 8260-CAL4,71100:0



Pace Analytical Services, Inc.

Data file : \\192.168.50.6\chem\50mv3a.i\a061914cal.b\a05cal.d
 Lab Smp Id: 8260-CAL5,71101:0 Client Smp ID: 8260-CAL5,71101:0
 Inj Date : 19-JUN-2014 16:55
 Operator : jlz Inst ID: 50mv3a.i
 Smp Info : 8260-cal5,71101:0
 Misc Info : 65925
 Comment :
 Method : \\192.168.50.6\chem\50mv3a.i\a061914cal.b\ -a8260_a_c.m
 Meth Date : 20-Jun-2014 13:40 50mv3a.i Quant Type: ISTD
 Cal Date : 19-JUN-2014 16:55 Cal File: a05cal.d
 Als bottle: 11 Calibration Sample, Level: 5
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: all.sub
 Target Version: 4.14

Concentration Formula: Amt * DF * Uf/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT	SIG	AMOUNTS					REVIEW	C	
			MASS	RT	EXP RT	REL RT	RESPONSE			CAL-AMT (ug/L)
1 Dichlorodifluoromethane	85		1.030	1.028	(0.232)	11915	20.0000	18.0(T)		
2 Chloromethane	50		1.119	1.122	(0.252)	10070	20.0000	17.8		
3 Vinyl Chloride	62		1.135	1.138	(0.255)	9577	20.0000	18.2		
4 Bromomethane	94		1.292	1.289	(0.290)	2988	20.0000	19.9		
5 Chloroethane	64		1.344	1.342	(0.302)	5686	20.0000	17.8		
6 Trichlorofluoromethane	101		1.464	1.467	(0.329)	15270	20.0000	17.3		
7 Diethyl ether	74		1.600	1.596	(0.360)	4671	20.0000	21.0		
8 1,2-dichlorotrifluoroethane	67		1.616	1.617	(0.363)	13413	20.0000	20.9		
9 Acrolein	56		1.674	1.676	(0.376)	11006	400.000	338		
10 1,1,2trichlorotrifluoroethane	101		1.731	1.732	(0.389)	11466	20.0000	21.2		
11 1,1-Dichloroethene	96		1.736	1.739	(0.390)	9886	20.0000	21.2		
12 Acetone	43		1.747	1.750	(0.393)	7557	100.000	101		
13 Iodomethane	142		1.836	1.833	(0.412)	7574	40.0000	37.0		
14 Carbon Disulfide	76		1.888	1.886	(0.424)	58620	40.0000	43.0		
15 Methyl Acetate	43		1.930	1.933	(0.434)	4093	20.0000	21.2(M)		NI
16 allyl chloride	41		1.946	1.947	(0.437)	33702	40.0000	45.7		
17 Methylene Chloride	84		2.029	2.032	(0.456)	15252	20.0000	21.3		
18 tert-Butyl Alcohol	59		2.076	2.079	(0.467)	384	40.0000	54.9(QM)		NI
19 Acrylonitrile	53		2.176	2.173	(0.489)	41801	400.000	449		
20 Methyl-tert-butyl ether	73		2.202	2.205	(0.495)	47155	40.0000	43.6		
21 1,2-Dichloroethene (trans)	96		2.218	2.215	(0.498)	11682	20.0000	21.6		
22 n-Hexane	57		2.416	2.414	(0.543)	20204	20.0000	21.7		
23 Vinyl Acetate	43		2.537	2.534	(0.570)	38394	80.0000	74.8		

Compounds	QUANT		SIG				AMOUNTS		REVIEW C
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/L)	ON-COL (ug/L)		
24 1,1-Dichloroethane	63	2.547	2.545	(0.572)	19483	20.0000	21.1		
25 2-Butanone	43	3.044	3.041	(0.684)	13240	100.000	108 (M)	NI	
26 1,2-Dichloroethene (cis)	96	3.060	3.057	(0.687)	12033	20.0000	21.9		
27 2,2-Dichloropropane	77	3.070	3.068	(0.690)	11279	20.0000	21.5		
29 Bromochloromethane	49	3.311	3.313	(0.744)	6612	20.0000	23.8		
30 Tetrahydrofuran	42	3.337	3.333	(0.750)	1511	20.0000	21.2 (M)	NI	
31 Chloroform	83	3.431	3.428	(0.771)	19254	20.0000	21.4		
\$ 32 Dibromofluoromethane (S)	113	3.624	3.617	(0.814)	19571	50.0000	49.1		
33 1,1,1-Trichloroethane	97	3.624	3.622	(0.814)	16653	20.0000	20.9		
34 Cyclohexane	56	3.713	3.711	(0.834)	20283	20.0000	21.8		
35 Carbon Tetrachloride	117	3.818	3.815	(0.858)	11577	20.0000	21.2		
36 1,1-Dichloropropene	75	3.823	3.826	(0.859)	17174	20.0000	21.6		
37 Benzene	78	4.069	4.067	(0.914)	45134	20.0000	22.7		
38 1,2-Dichloroethane	62	4.147	4.150	(0.932)	12081	20.0000	21.3 (M)	NI	
39 Isobutyl alcohol	43	4.231	4.237	(0.951)	9451	20.0000	22.2 (M)	NI	
40 2,2,4-Trimethylpentane	57	4.236	4.239	(0.952)	48672	20.0000	21.5		
* 41 Fluorobenzene (IS)	96	4.451	4.448	(1.000)	85657	50.0000			
42 Trichloroethene	95	4.885	4.882	(1.098)	11612	20.0000	21.4		
43 Methylcyclohexane	55	5.146	5.149	(1.156)	16929	20.0000	21.5		
44 1,2-Dichloropropane	63	5.183	5.181	(1.164)	9607	20.0000	21.1 (M)	NI	
45 Dibromomethane	93	5.277	5.280	(1.186)	4222	20.0000	21.1		
46 1,4-Dioxane	88	5.293	5.290	(1.189)	900	400.000	413 (QM)	NI	
47 Methyl methacrylate	69	5.288	5.290	(1.188)	3833	20.0000	20.6		
48 Bromodichloromethane	83	5.497	5.494	(1.235)	11762	20.0000	20.4 (M)	NI	
49 2-Chloroethyl vinyl ether	63	5.837	5.834	(0.776)	5393	40.0000	46.8		
50 cis-1,3-Dichloropropene	75	5.983	5.981	(0.796)	12391	20.0000	20.5		
51 4-Methyl-2-Pentanone	43	6.156	6.153	(0.819)	29440	100.000	108		
\$ 52 Toluene-d8 (S)	98	6.255	6.258	(0.832)	80494	50.0000	50.4		
53 Toluene	91	6.334	6.331	(0.842)	50471	20.0000	22.1		
54 trans-1,3-Dichloropropene	75	6.595	6.593	(0.877)	8191	20.0000	20.0		
55 Ethyl Methacrylate	69	6.668	6.666	(0.887)	7609	20.0000	19.8 (M)	NI	
56 1,1,2-Trichloroethane	83	6.768	6.765	(0.900)	5522	20.0000	21.6		
57 Tetrachloroethene	166	6.820	6.823	(0.907)	14329	20.0000	21.9		
58 1,3-Dichloropropane	76	6.899	6.901	(0.917)	12759	20.0000	22.1		
59 2-Hexanone	43	6.961	6.964	(0.926)	19865	100.000	106		
60 Dibromochloromethane	129	7.082	7.079	(0.942)	6914	20.0000	20.0		
61 1,2-Dibromoethane	107	7.165	7.163	(0.953)	5814	20.0000	21.3		
* 62 Chlorobenzene-D5 (IS)	117	7.521	7.524	(1.000)	60120	50.0000			
63 Chlorobenzene	112	7.547	7.545	(1.003)	31167	20.0000	21.7		
64 1,1,1,2-Tetrachloroethane	131	7.620	7.618	(1.013)	8585	20.0000	20.1		
65 Ethylbenzene	106	7.620	7.623	(1.013)	19054	20.0000	22.3 (H)	WP	
66 m&p-Xylene	106	7.720	7.717	(1.026)	46726	40.0000	44.8		
67 o-Xylene	106	7.976	7.979	(1.060)	21775	20.0000	22.3		
68 Styrene	104	7.992	7.994	(1.063)	36193	20.0000	22.5		
69 Bromoform	173	8.112	8.115	(0.901)	3723	20.0000	20.9		
70 Isopropylbenzene	105	8.216	8.219	(1.092)	60974	20.0000	22.3		
\$ 71 4-Bromofluorobenzene (S)	95	8.332	8.329	(1.108)	28436	50.0000	50.7		
72 Bromobenzene	77	8.410	8.413	(1.118)	20066	20.0000	21.6		
73 1,1,2,2-Tetrachloroethane	83	8.415	8.418	(0.934)	8244	20.0000	21.9		
74 trans-1,4-Dichloro-2-butene	53	8.436	8.439	(1.122)	1477	20.0000	21.4 (QM)	WP	
75 1,2,3-Trichloropropane	110	8.447	8.449	(0.938)	2595	20.0000	21.6		
76 n-Propylbenzene	91	8.478	8.476	(0.941)	72356	20.0000	21.9		
77 2-Chlorotoluene	91	8.525	8.528	(0.947)	40370	20.0000	21.8		
78 1,3,5-Trimethylbenzene	105	8.583	8.585	(0.953)	53373	20.0000	21.9		

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS		REVIEW C
						CAL-AMT (ug/L)	ON-COL (ug/L)	
79 4-Chlorotoluene	126	8.530	8.601	(0.947)	14080	20.0000	21.9(Q)	
80 tert-Butylbenzene	119	8.766	8.763	(0.973)	57482	20.0000	21.9	
81 1,2,4-Trimethylbenzene	105	8.797	8.800	(0.977)	53528	20.0000	22.0	
82 sec-Butylbenzene	105	8.891	8.889	(0.987)	71790	20.0000	22.1	
83 1,3-Dichlorobenzene	146	8.959	8.962	(0.995)	28282	20.0000	21.3	
84 p-Isopropyltoluene	119	8.975	8.972	(0.997)	62196	20.0000	22.0	
* 85 1,4-Dichlorobenzene-d4 (IS)	152	9.006	9.004	(1.000)	33531	50.0000		
86 1,4-Dichlorobenzene	146	9.022	9.019	(1.002)	28902	20.0000	21.8	
87 n-Butylbenzene	91	9.195	9.192	(1.021)	56663	20.0000	22.3	
88 1,2-Dichlorobenzene	146	9.210	9.213	(1.023)	25636	20.0000	21.9	
89 1,2-Dibromo-3-chloropropane	155	10.105	9.621	(1.122)	1985	20.0000	24.3(Q)	
90 1,2,4-Trichlorobenzene	180	10.042	10.045	(1.115)	18244	20.0000	21.6	
91 Hexachlorobutadiene	225	10.110	10.107	(1.123)	11919	20.0000	22.3	
92 Naphthalene	128	10.193	10.191	(1.132)	32332	20.0000	22.2	
93 1,2,3-Trichlorobenzene	180	10.309	10.311	(1.145)	16500	20.0000	21.8	
94 2-methyl-naphthalene	142	10.852	10.855	(1.205)	19276	20.0000	21.1	
95 1-Methylnaphthalene	142	10.978	10.976	(1.219)	16849	20.0000	21.5	

QC Flag Legend

- T - Target compound detected outside RT window.
- Q - Qualifier signal failed the ratio test.
- M - Compound response manually integrated.
- H - Operator selected an alternate compound hit.

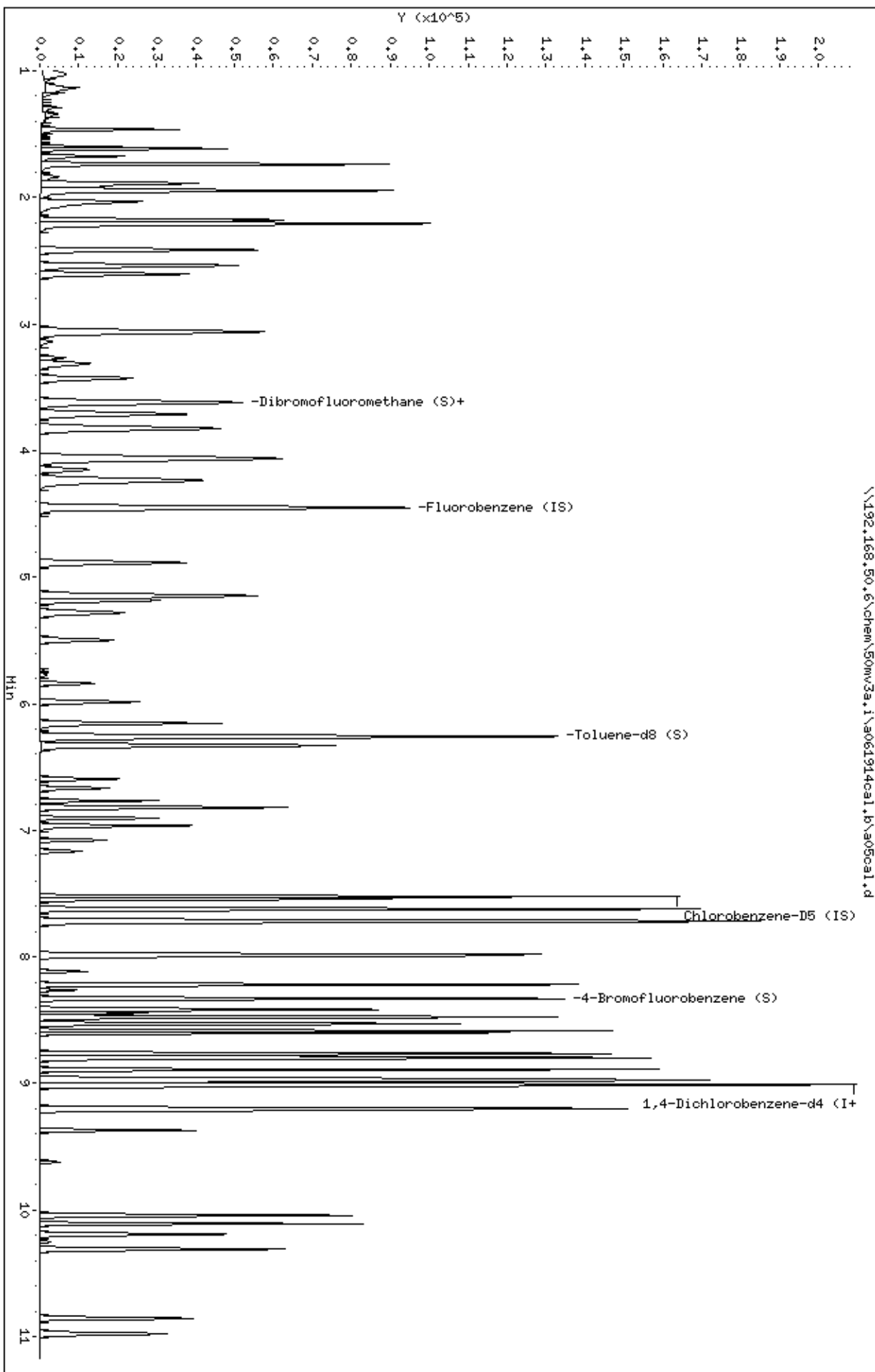
Review Codes Legend

- :
NI: Indicates that the peak was not integrated at all by the computer software.
- WP: Indicates that the wrong peak was chosen by the data system.

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Sample Info: 8260-CAL5,71101:0
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50mw3a.1
Operator: JIZ
Column diameter: 0.18

\\192.168.50.6\chem\50mw3a.1\A061914cal.1\A05cal.1.d



Data File: \\192.168.50.6\chem\50mv3a.i\061914cal.b/a05cal.d

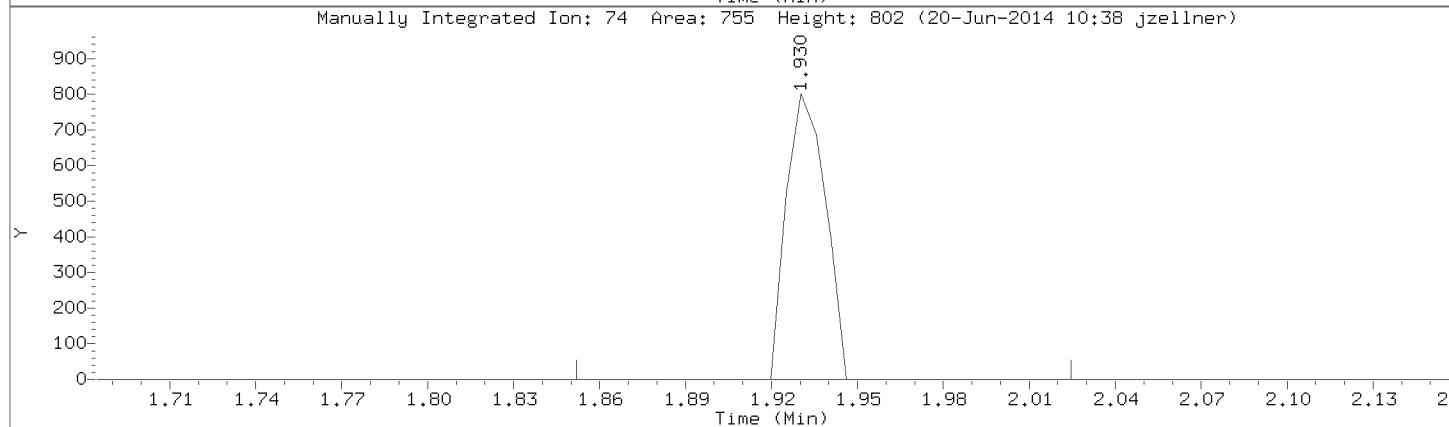
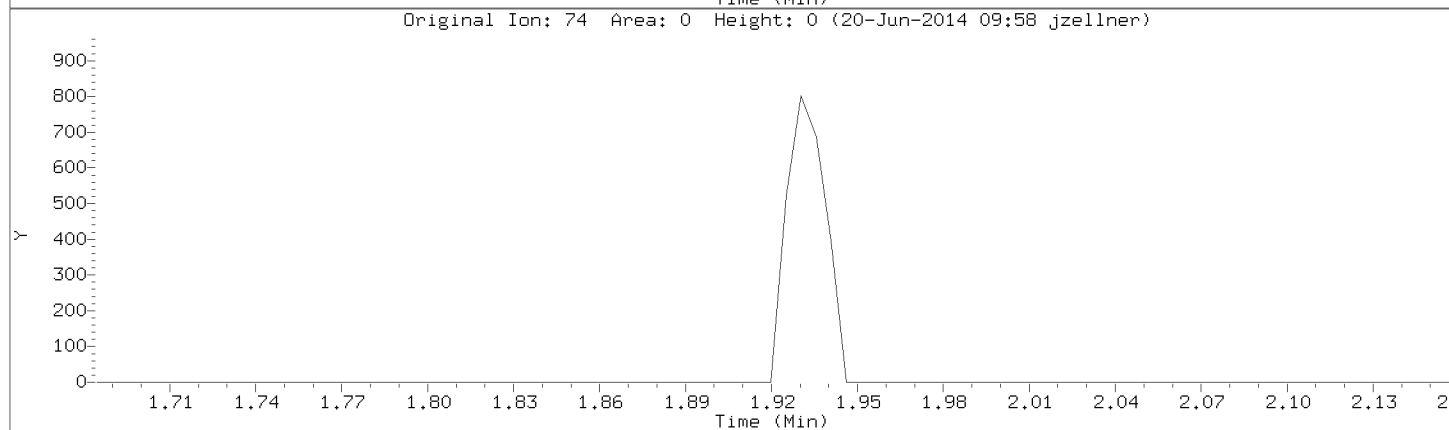
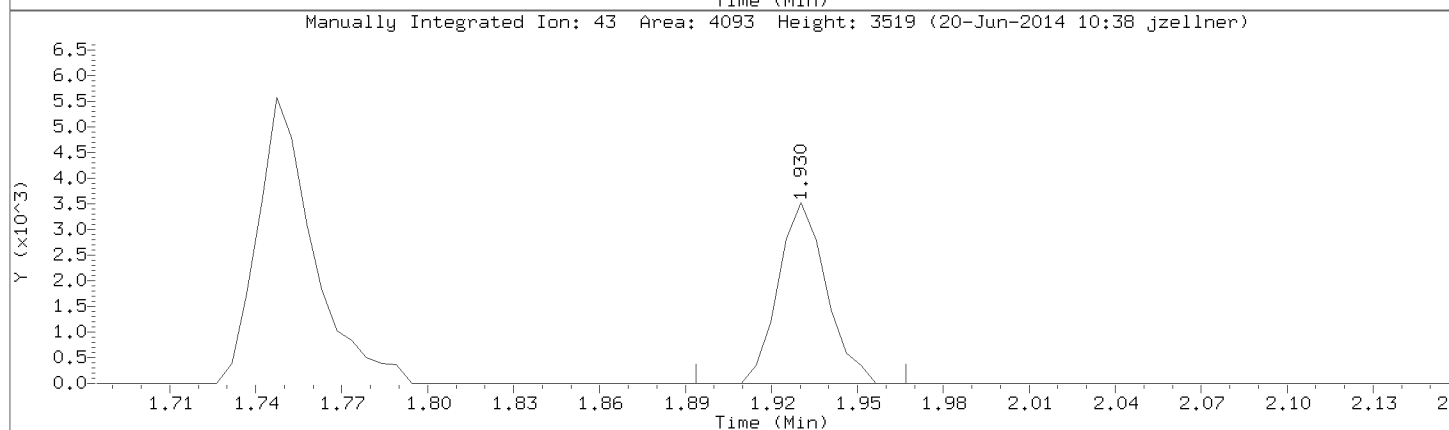
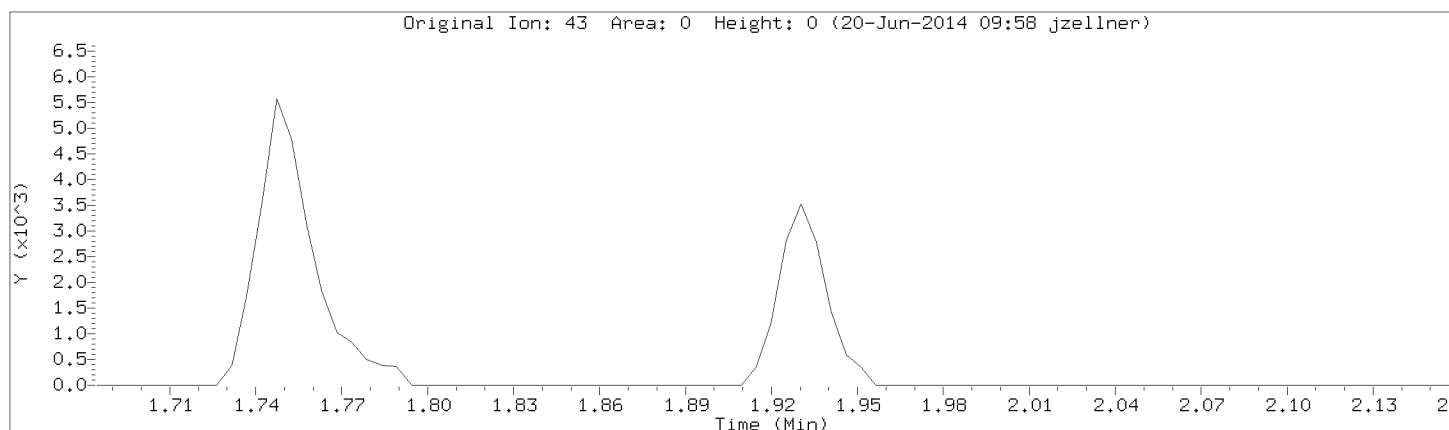
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Instrument: 50mv3a.i

Lab Sample ID: 8260-CAL5,71101:0

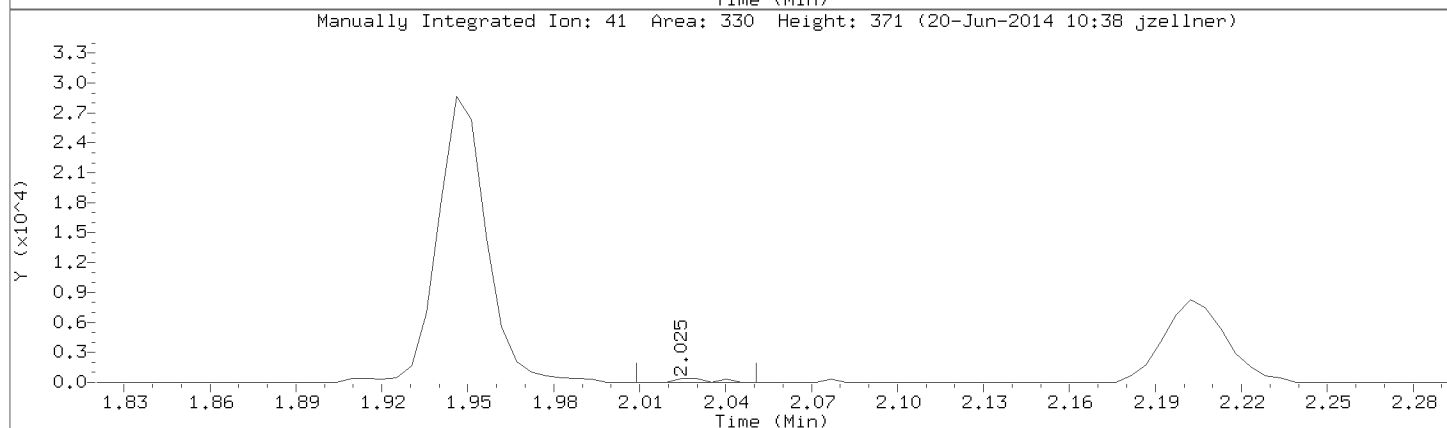
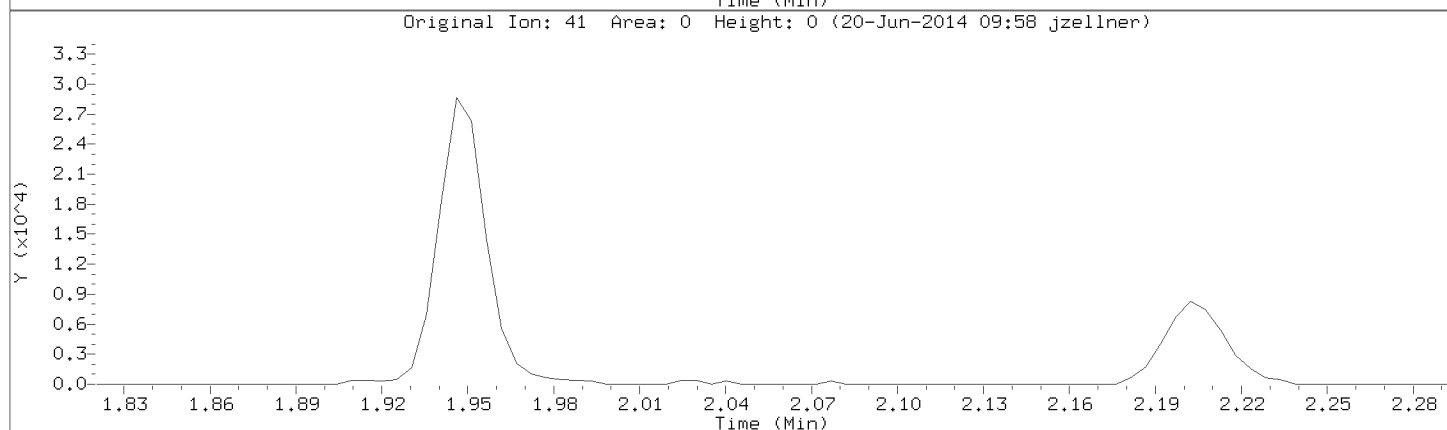
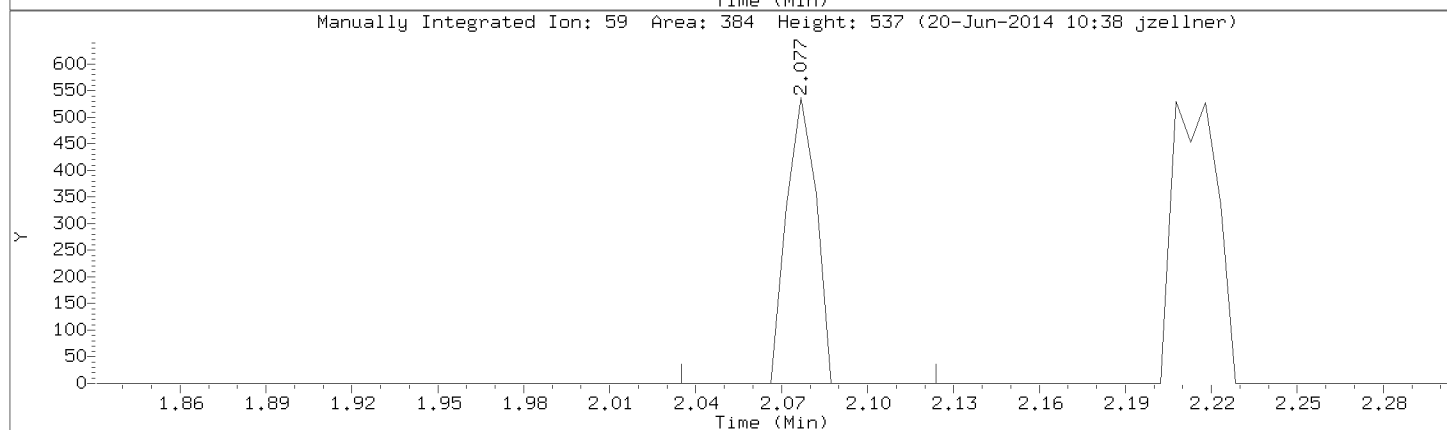
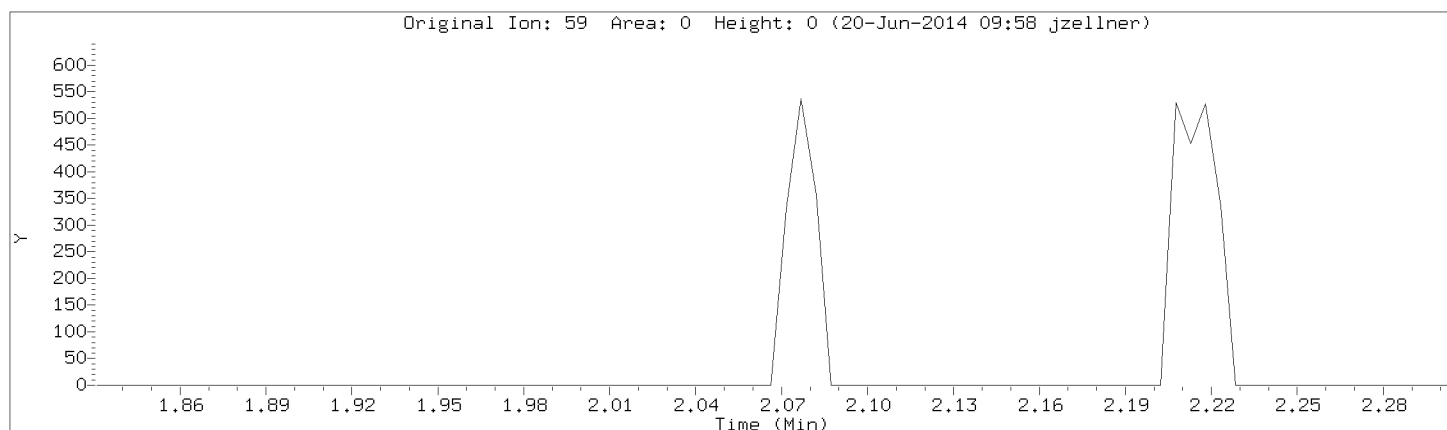
Compound: Methyl Acetate

CAS Number: 79-20-9



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Instrument: 50mv3a.i
Lab Sample ID: 8260-CAL5,71101:0

Compound: tert-Butyl Alcohol
CAS Number: 75-65-0



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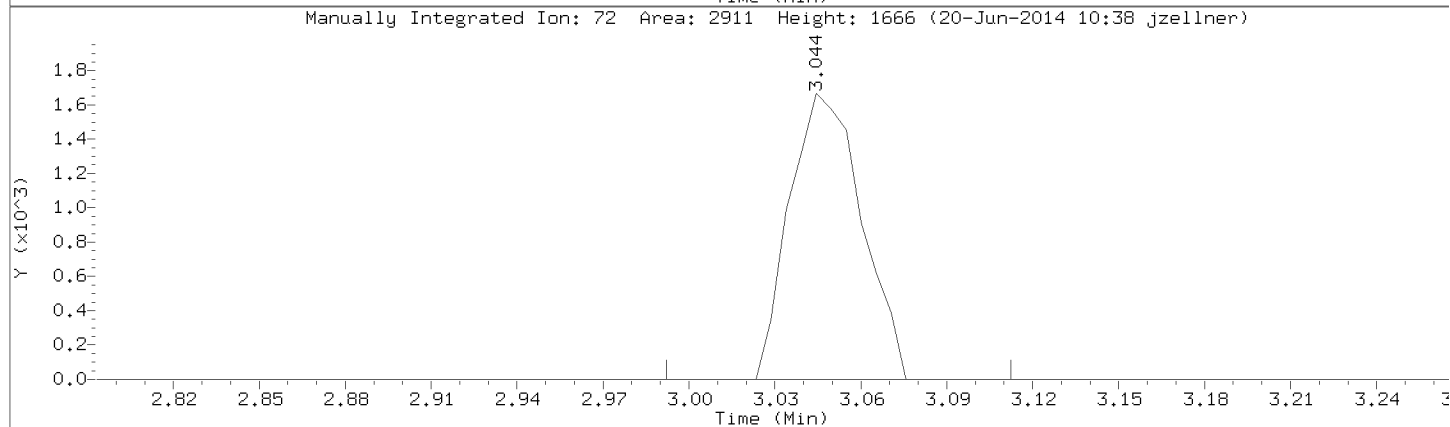
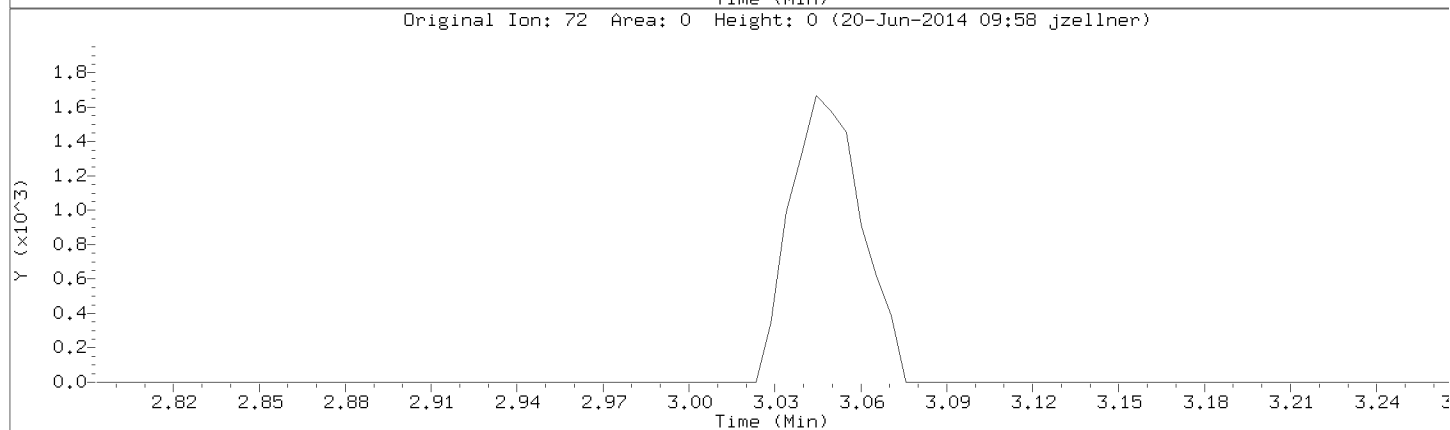
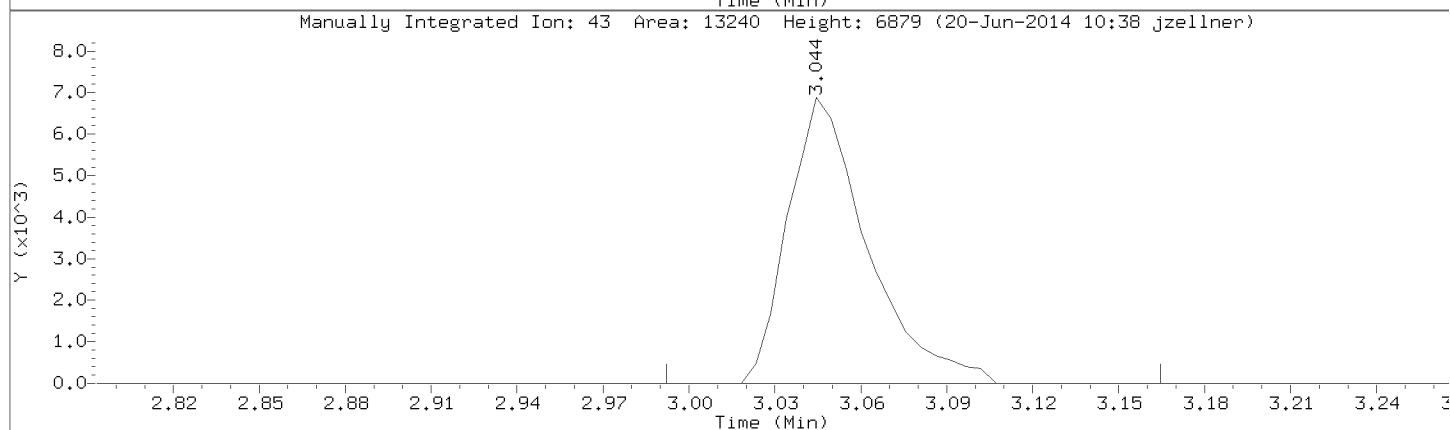
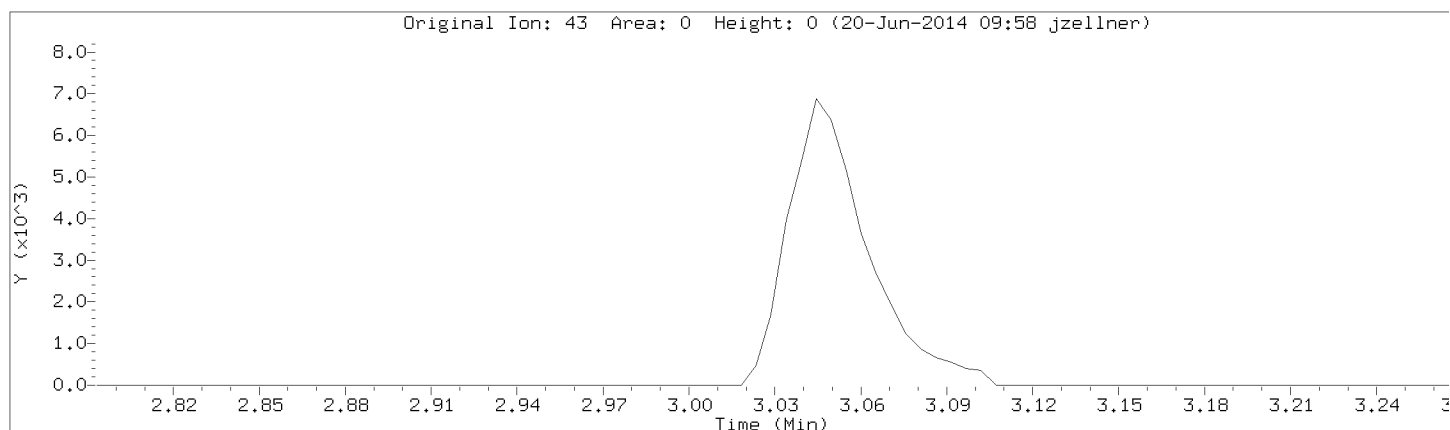
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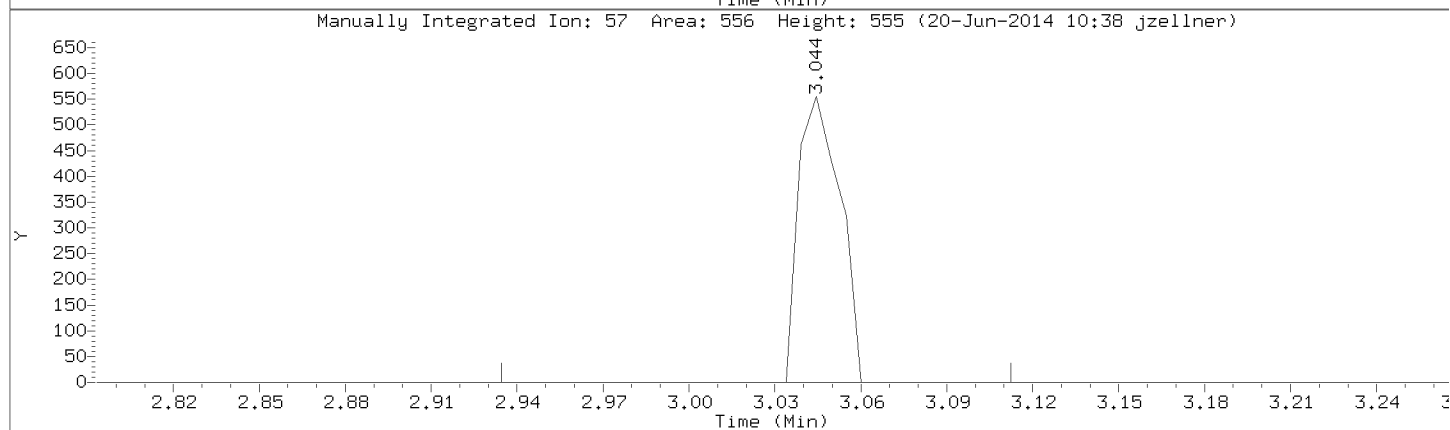
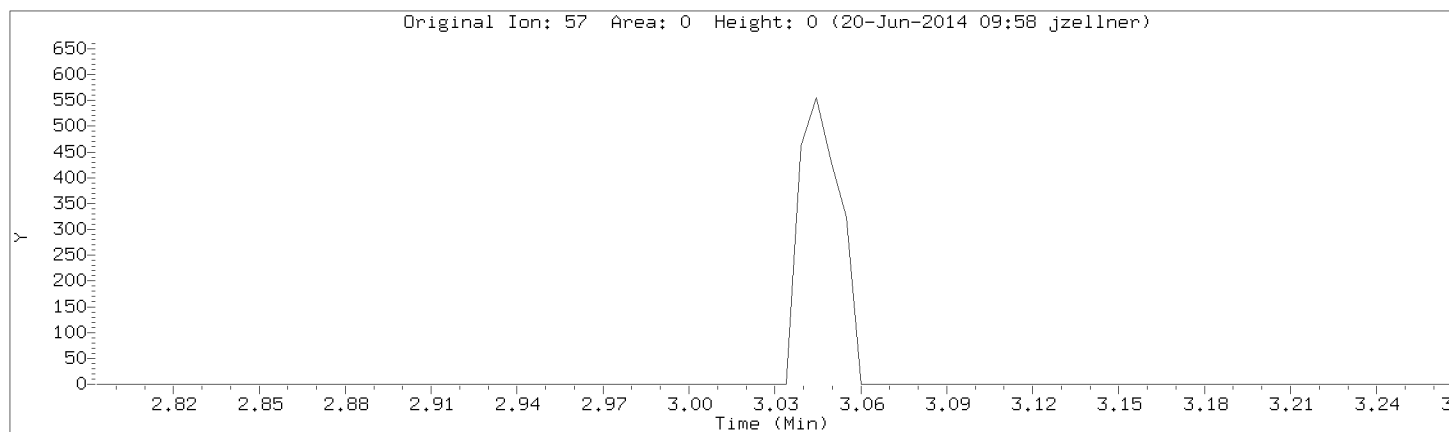
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Compound: 2-Butanone

CAS Number: 78-93-3

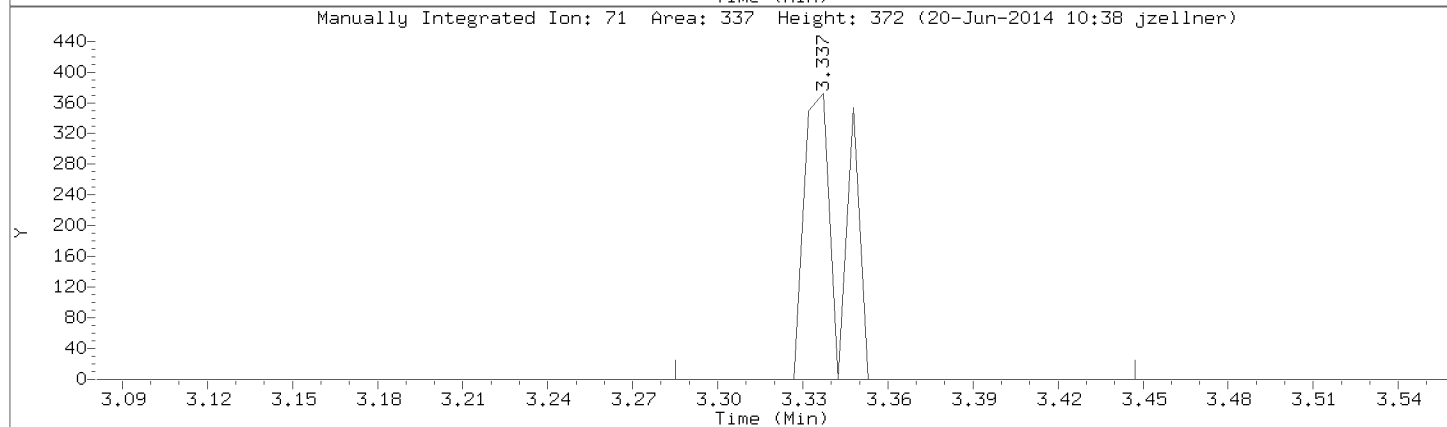
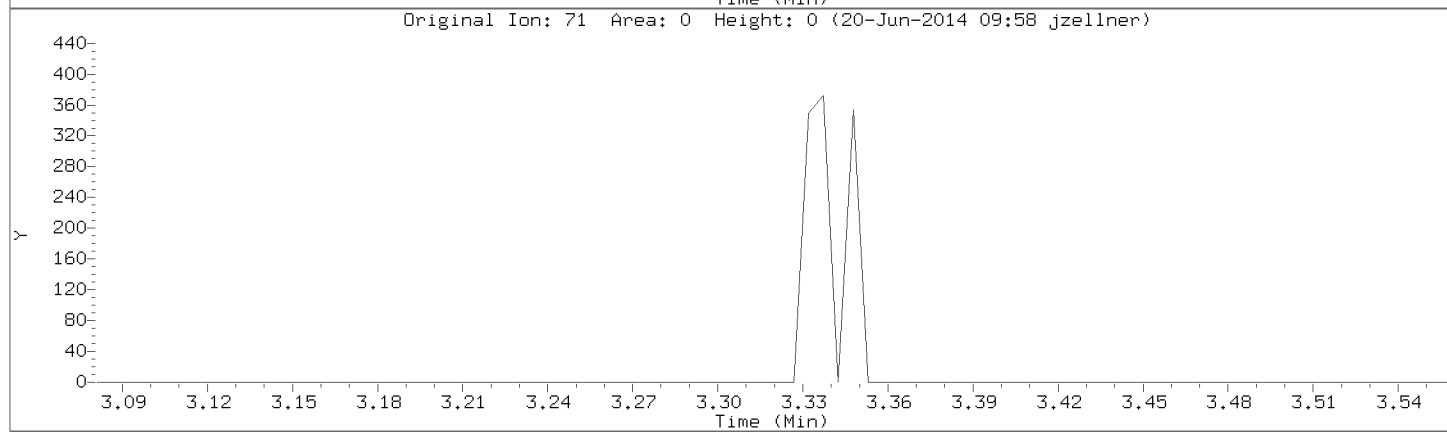
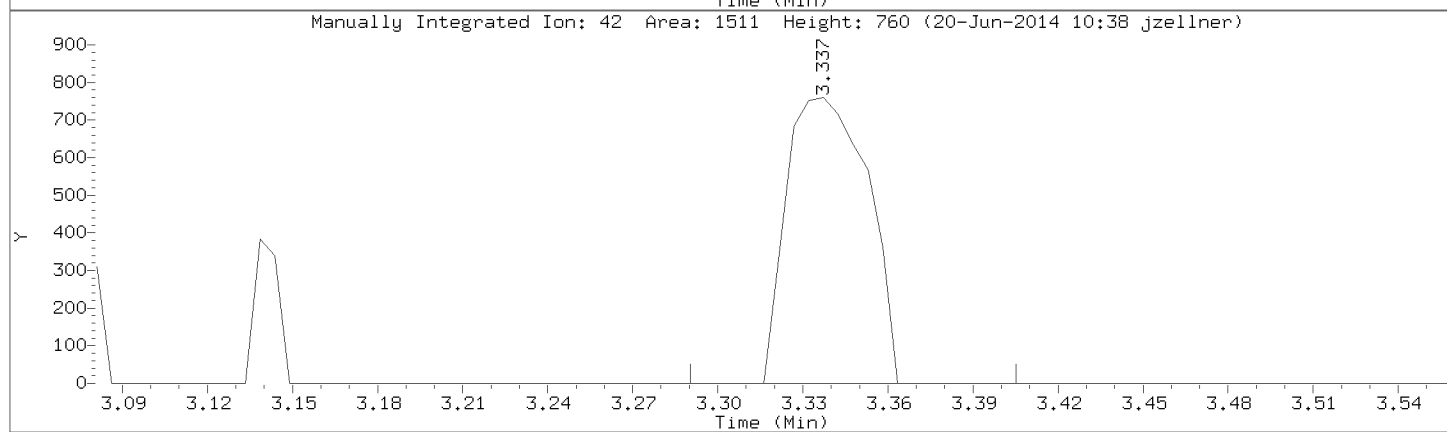
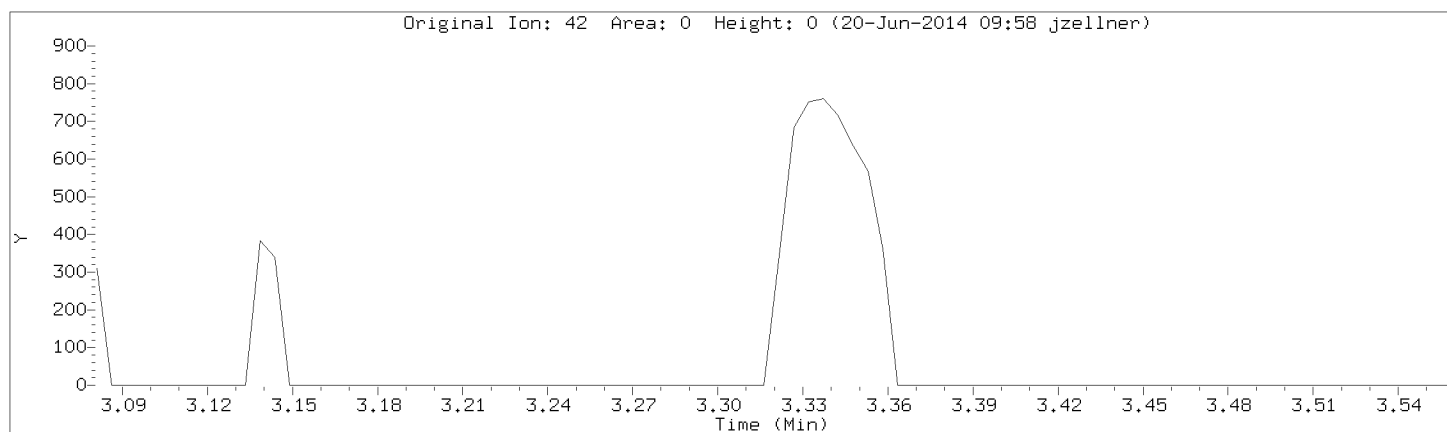


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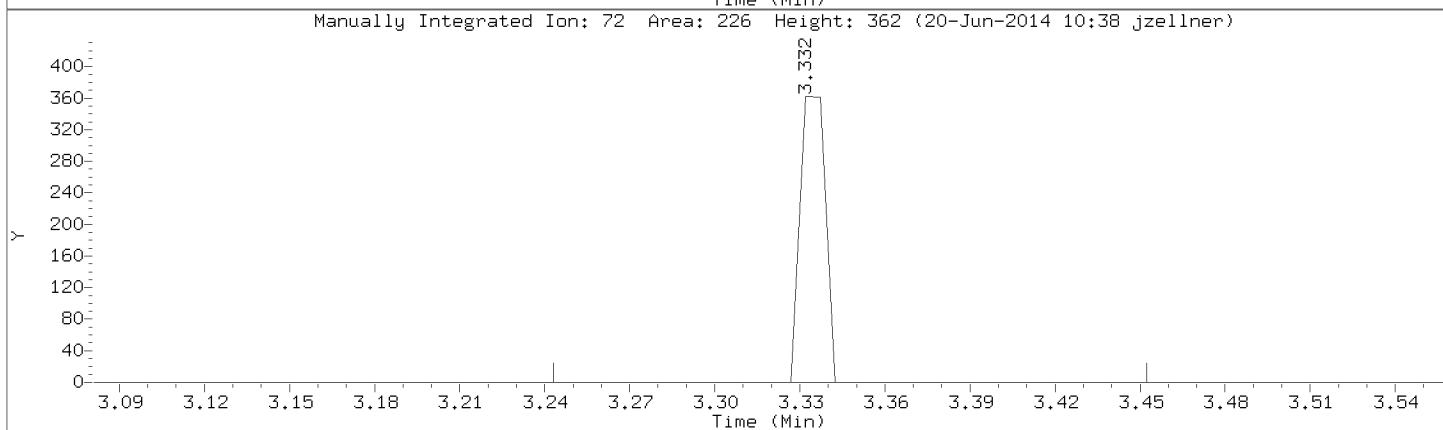
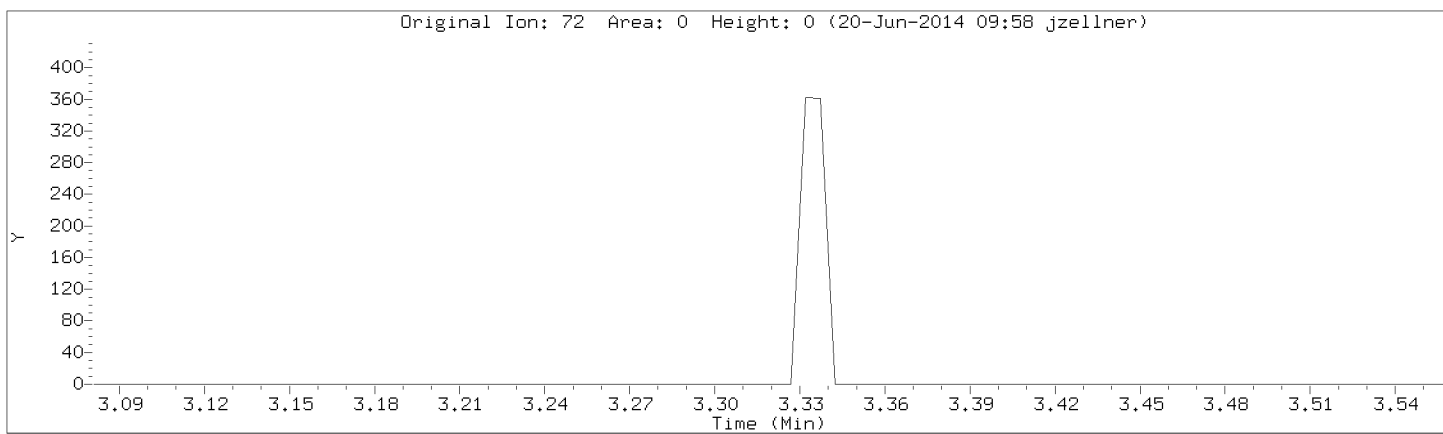


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Instrument: 50mv3a.i
Lab Sample ID: 8260-CAL5,71101:0

Compound: Tetrahydrofuran
CAS Number:



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Instrument: 50mv3a.i
Lab Sample ID: 8260-CAL5,71101:0



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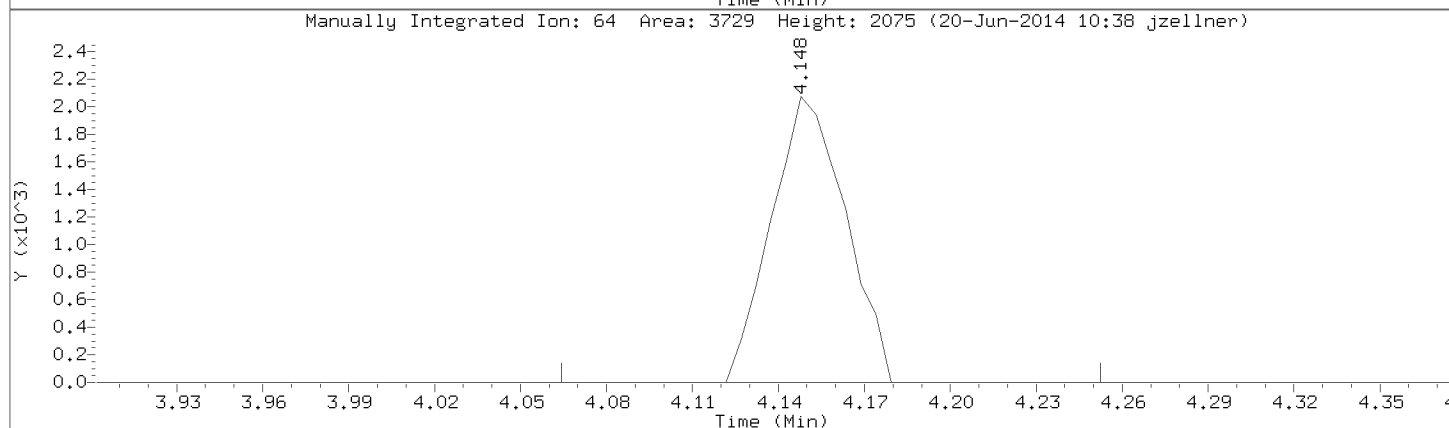
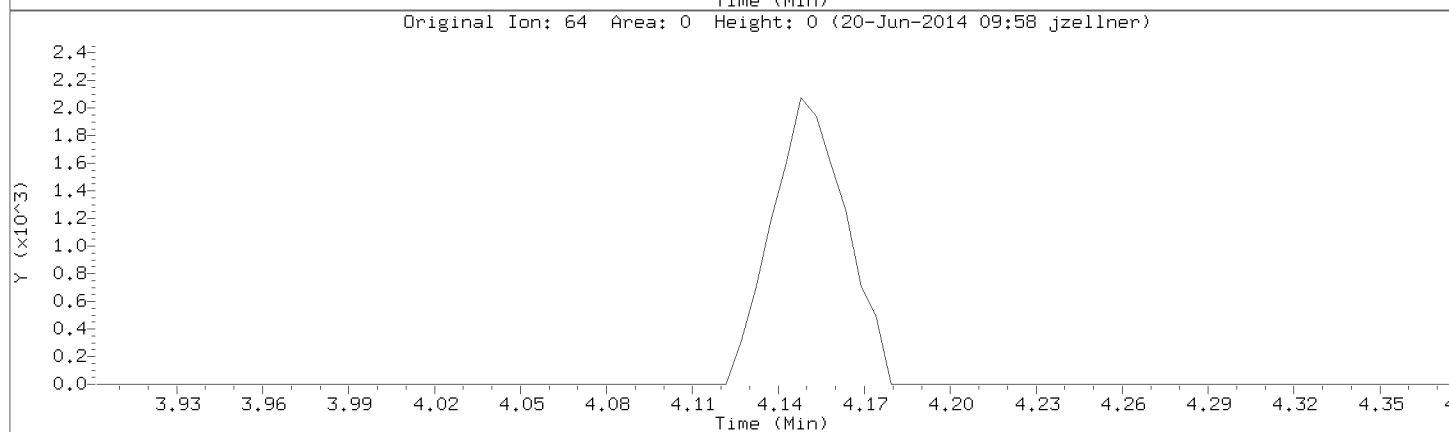
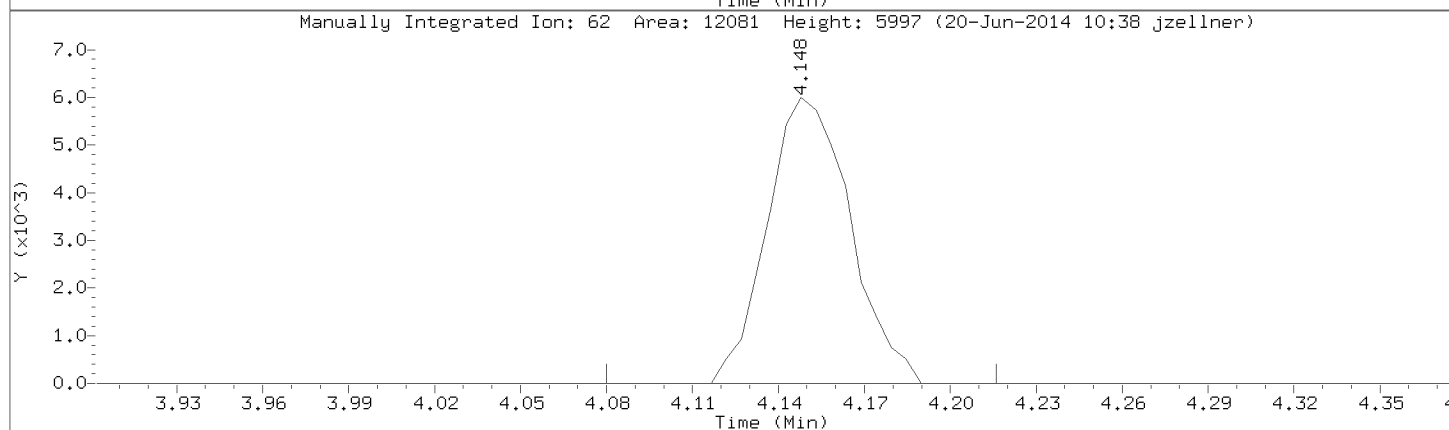
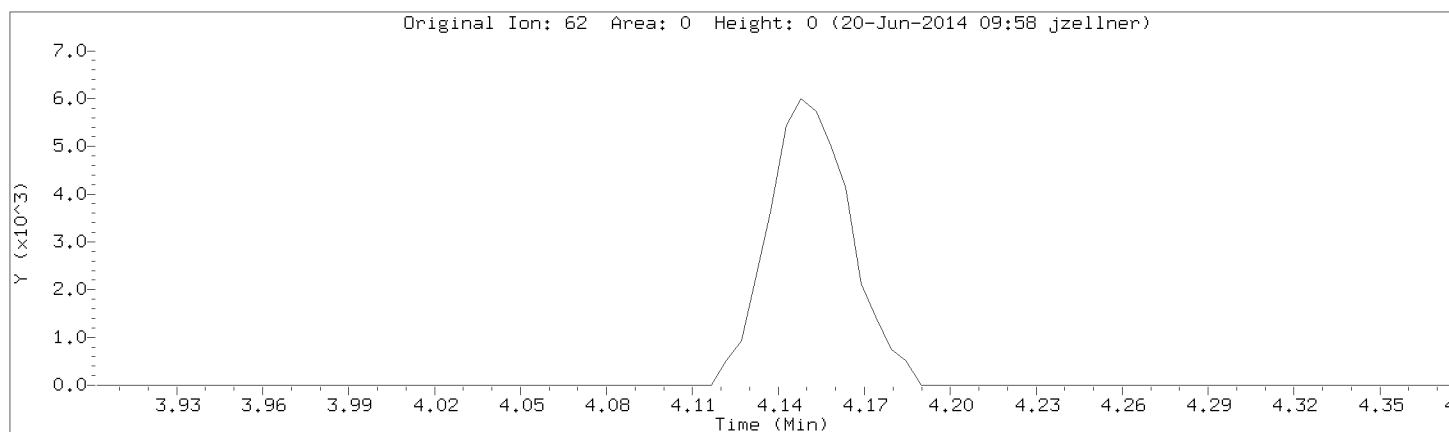
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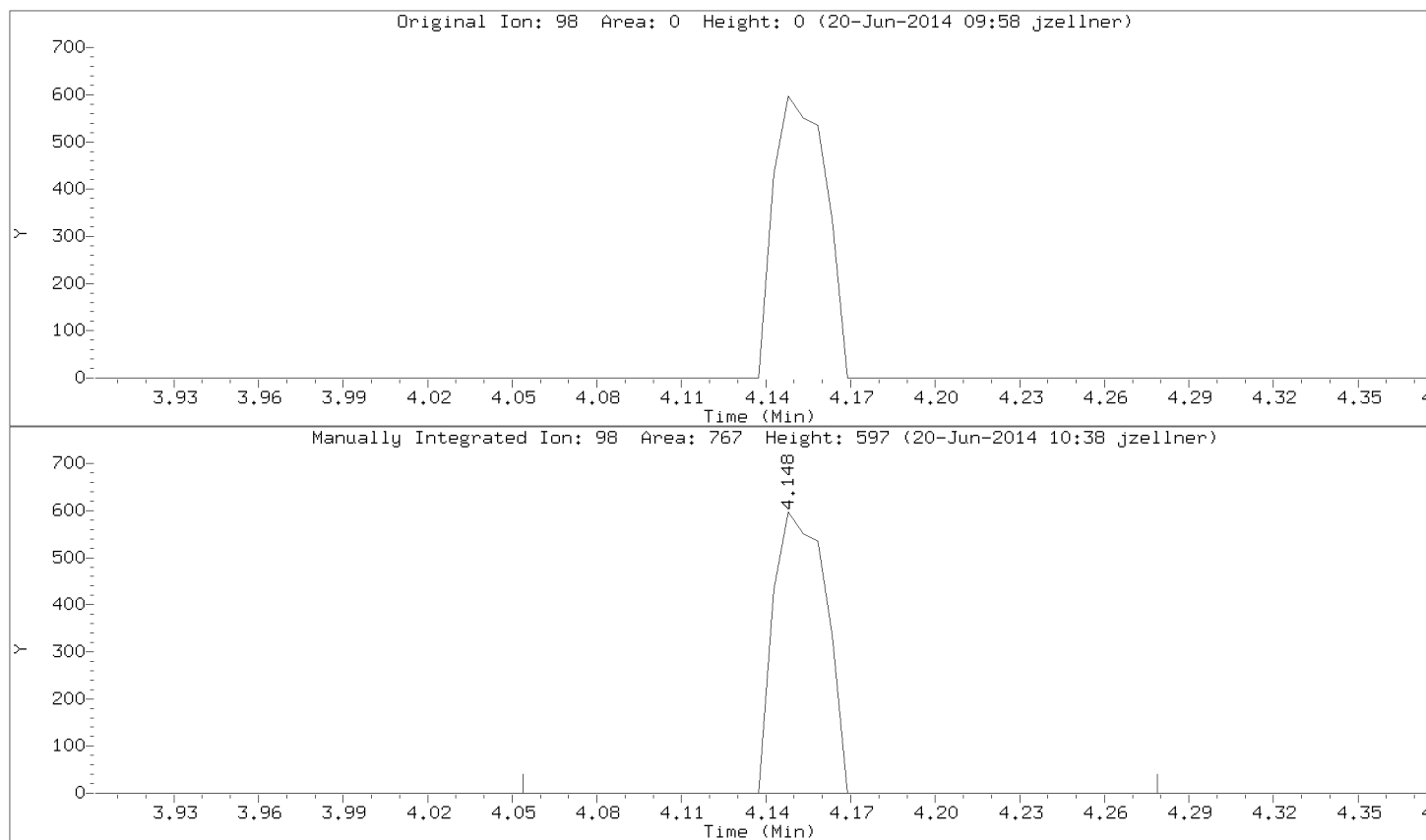
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Compound: 1,2-Dichloroethane

CAS Number: 107-06-2



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Instrument: 50mv3a.i
Lab Sample ID: 8260-CAL5,71101:0



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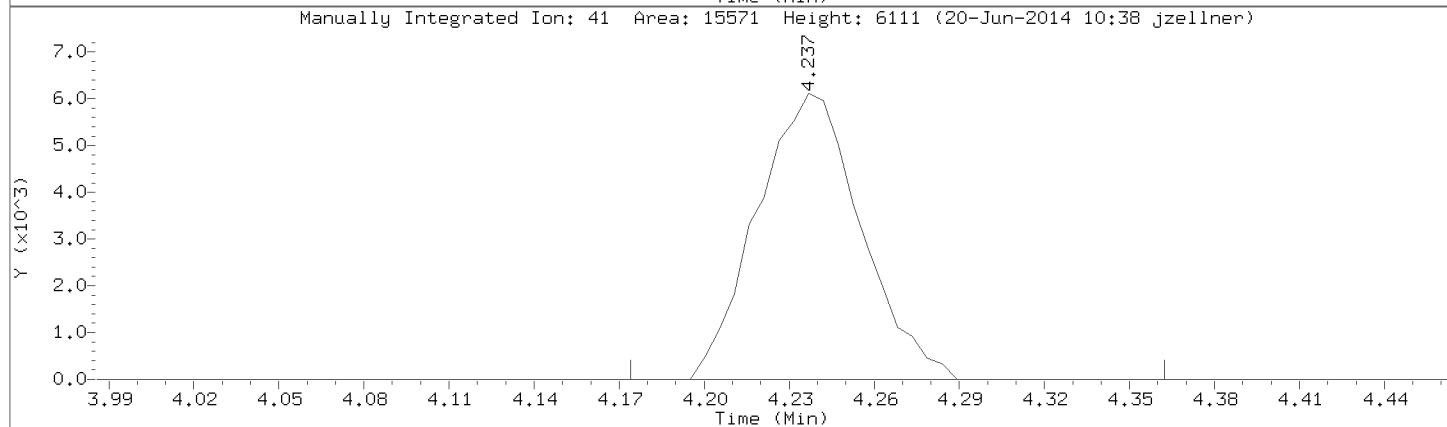
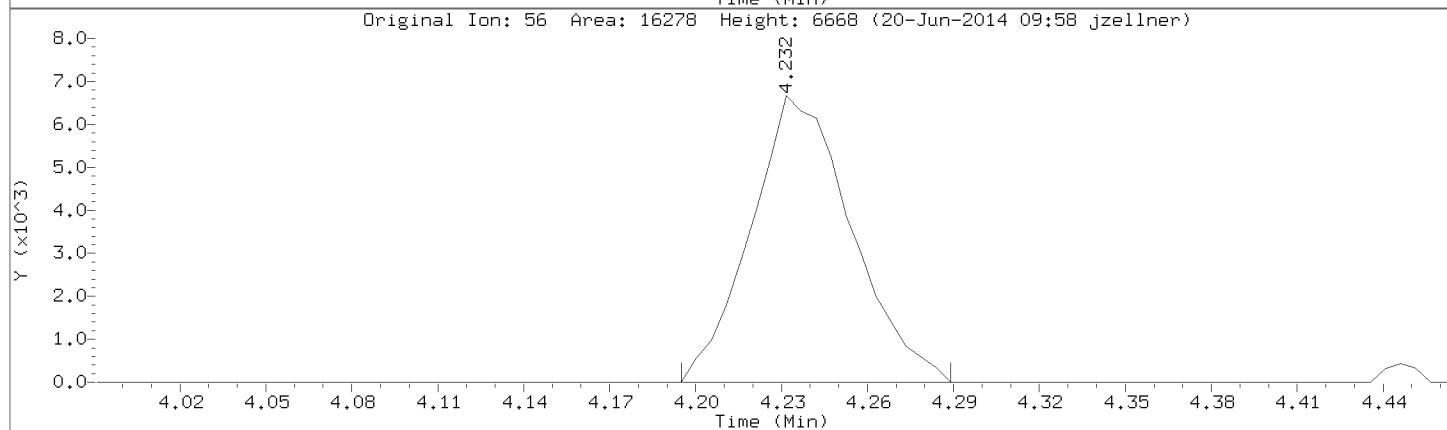
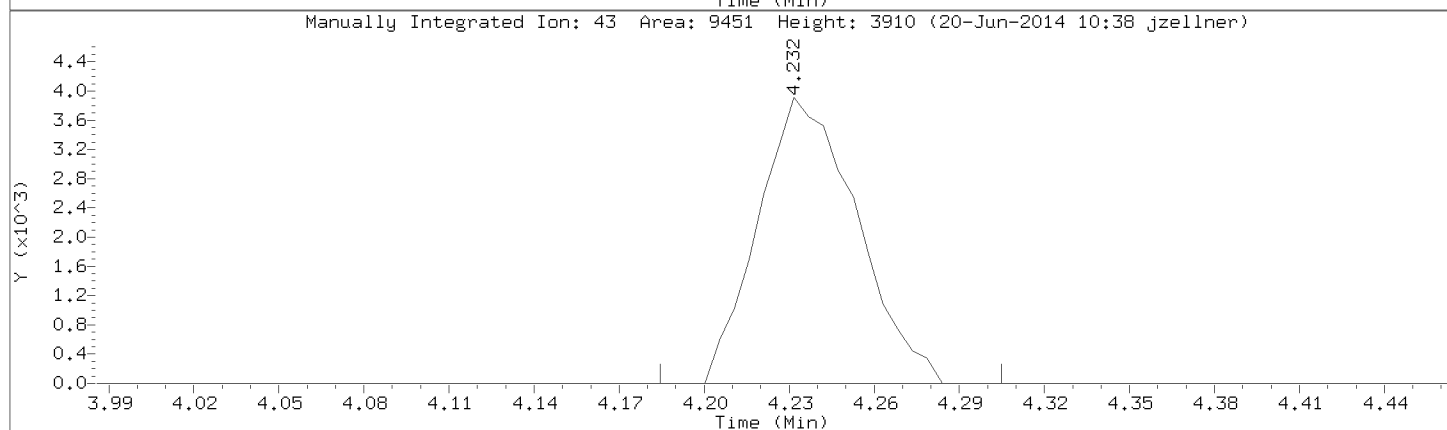
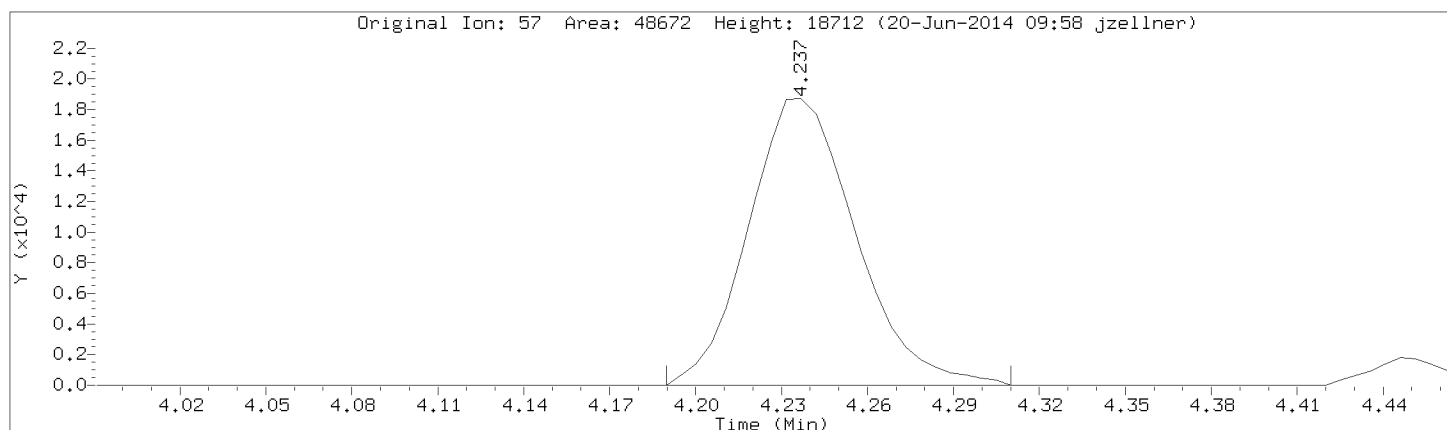
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Instrument: 50mv3a.i

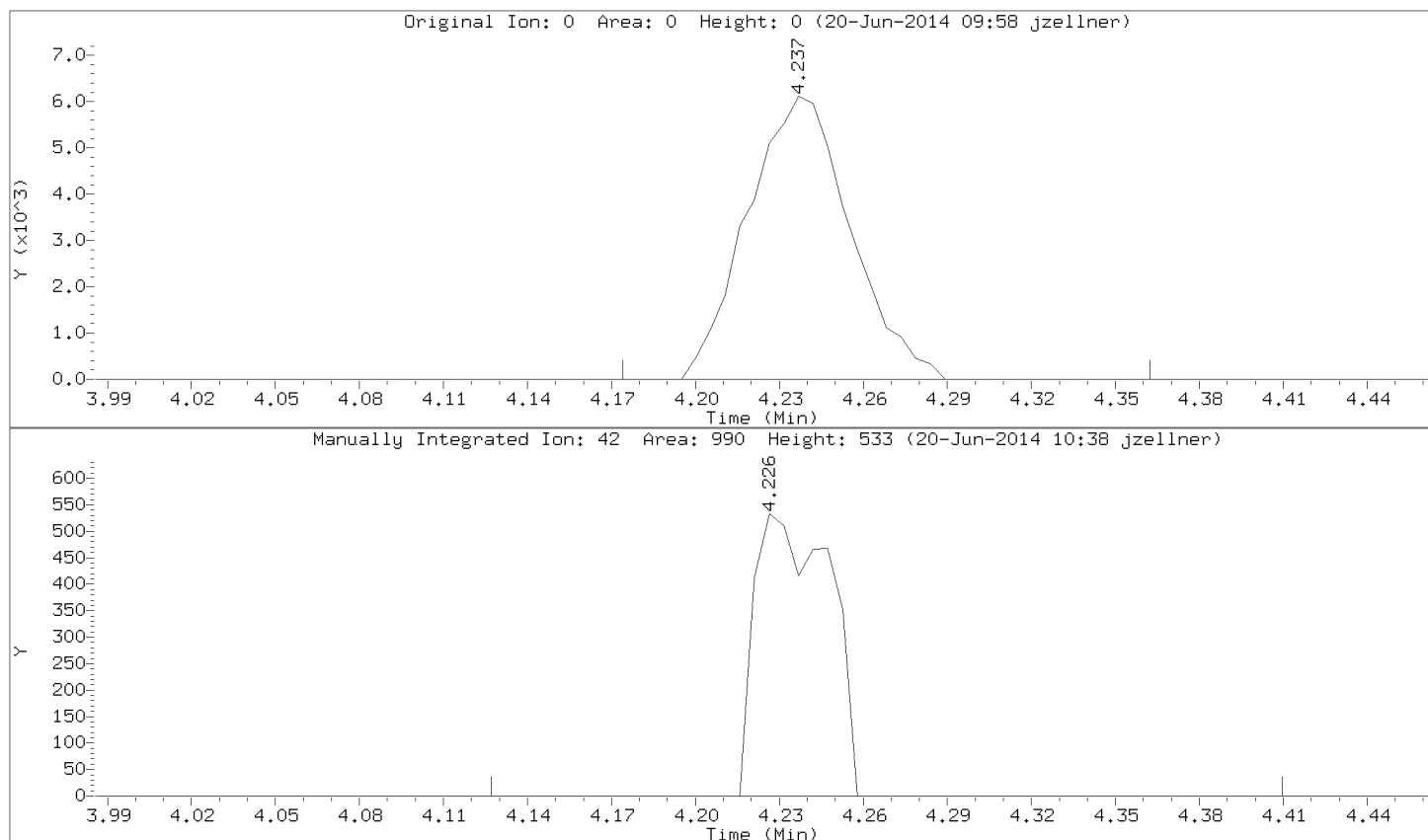
Lab Sample ID: 8260-CAL5,71101:0

Compound: Isobutyl alcohol

CAS Number: 78-83-1



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Lab Sample ID: 8260-CAL5,71101:0



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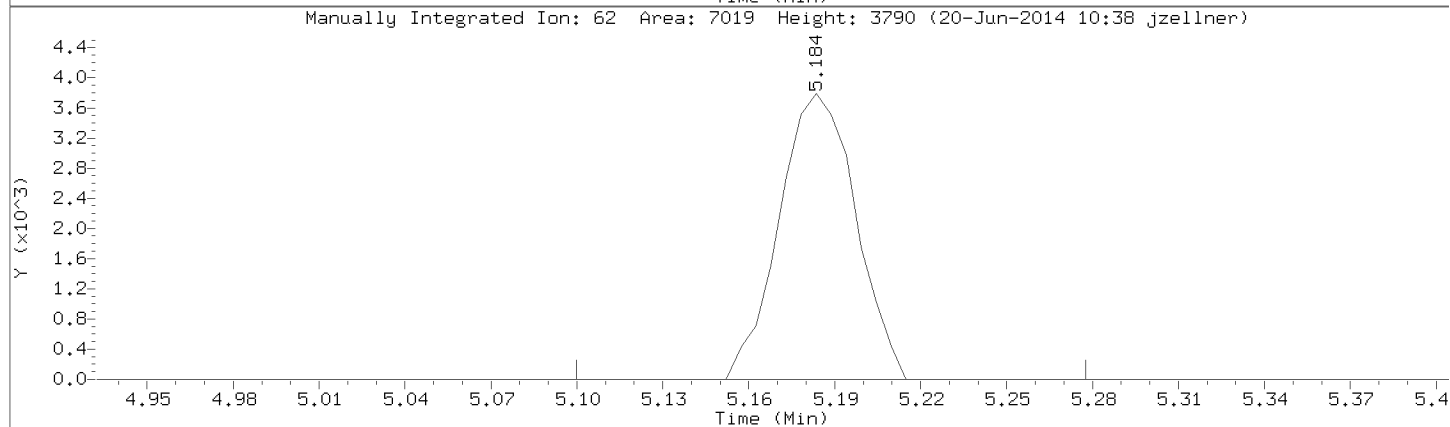
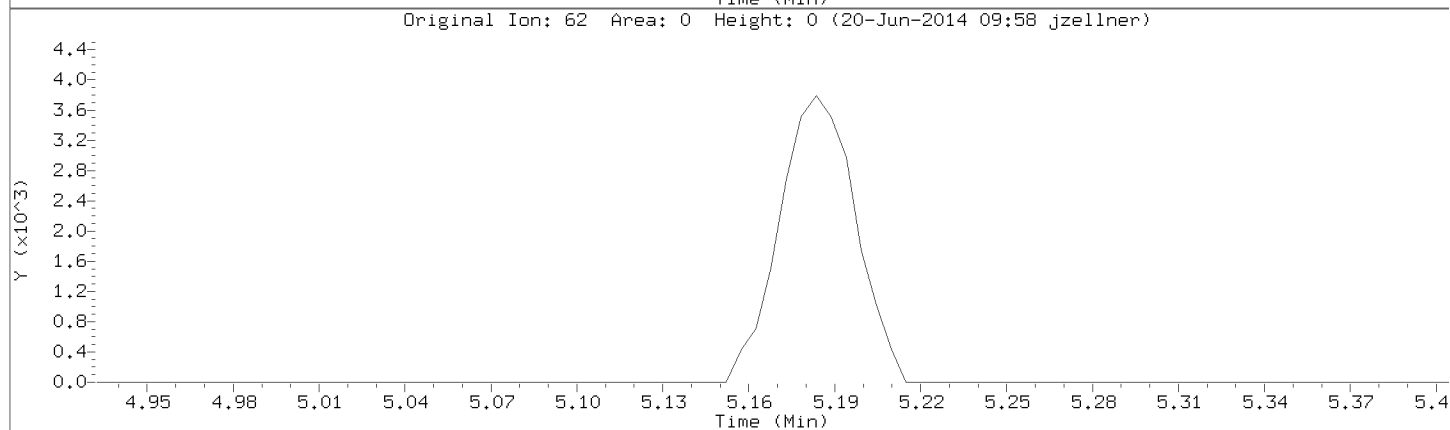
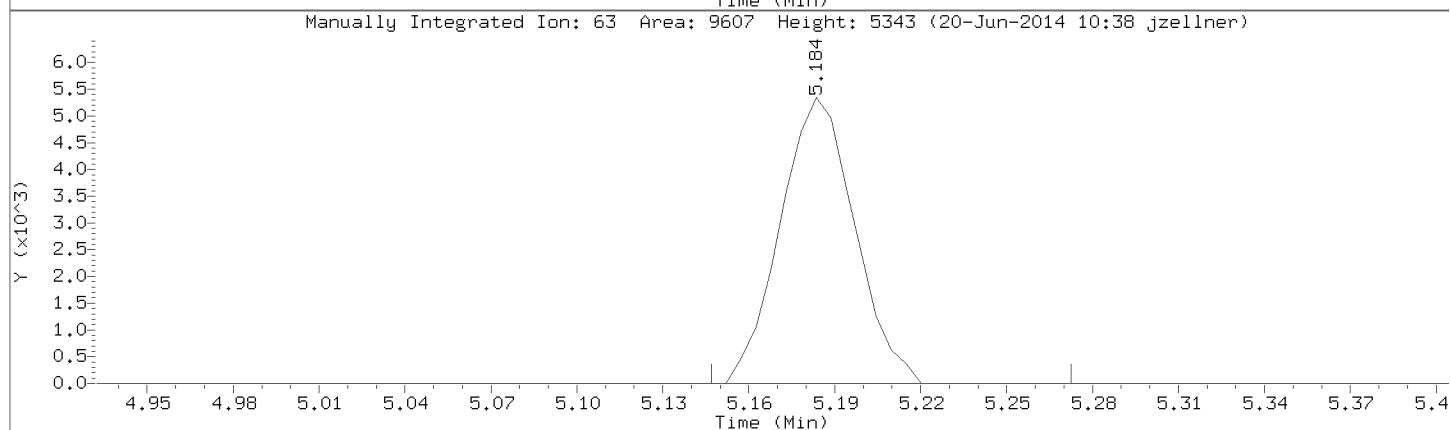
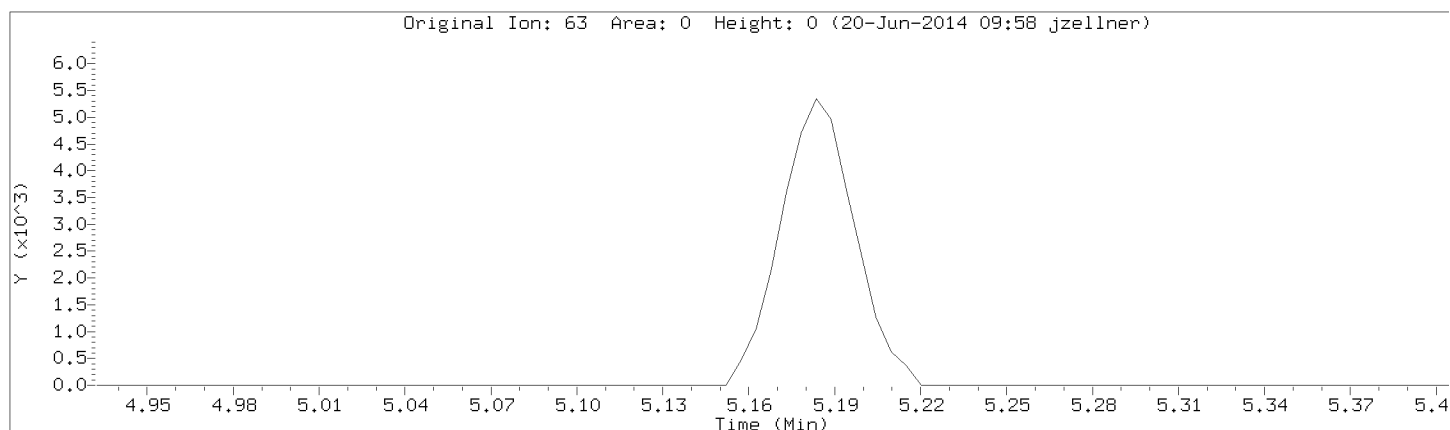
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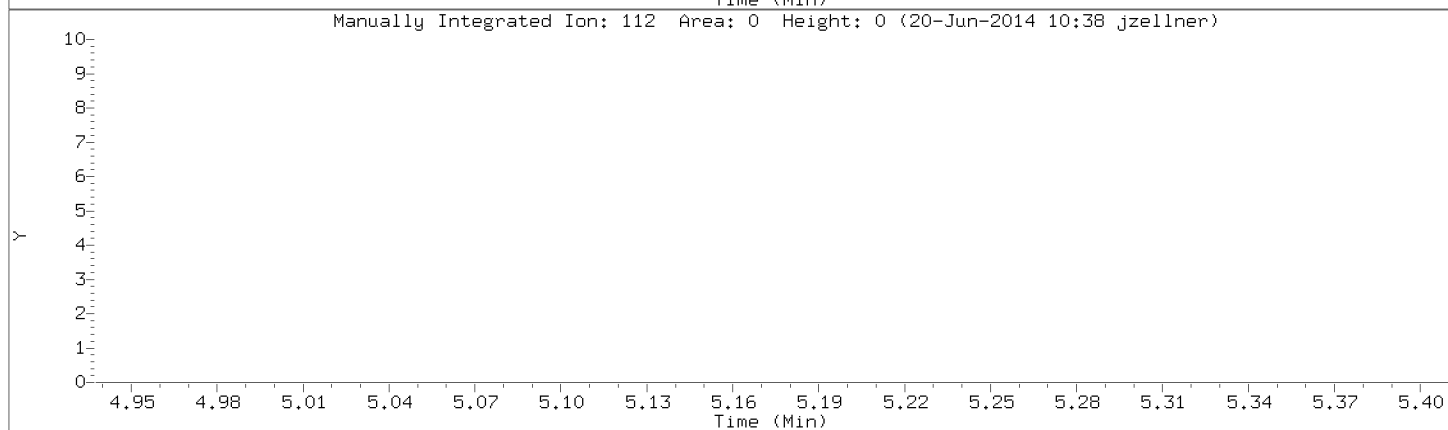
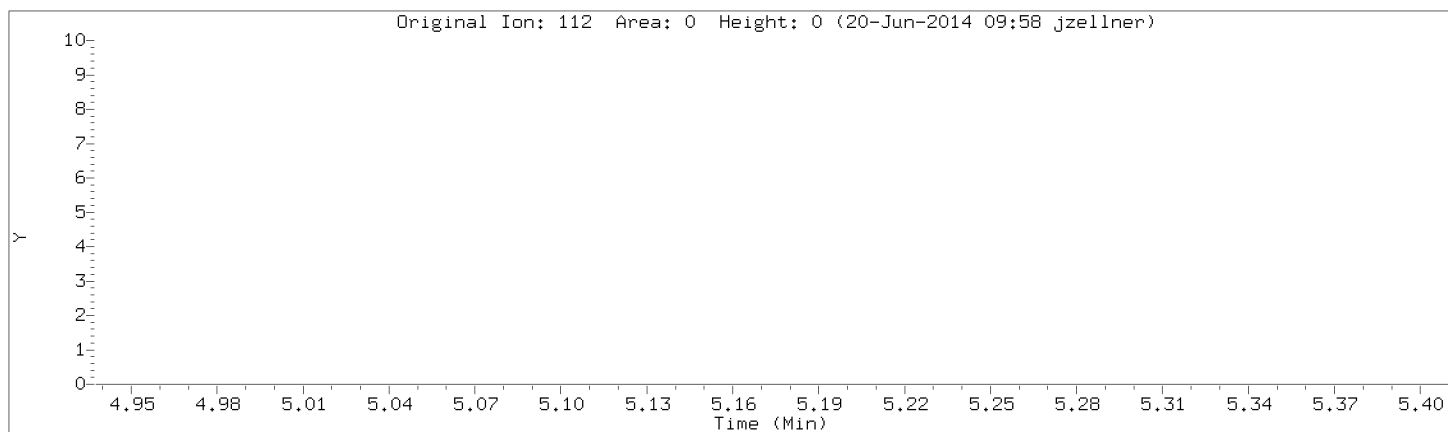
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Compound: 1,2-Dichloropropane

CAS Number: 78-87-5

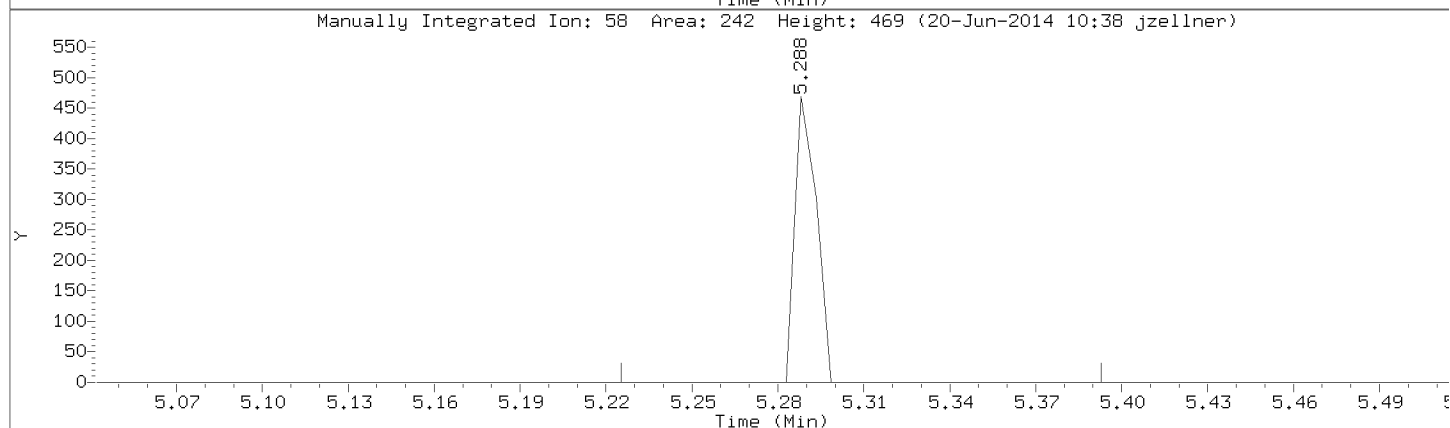
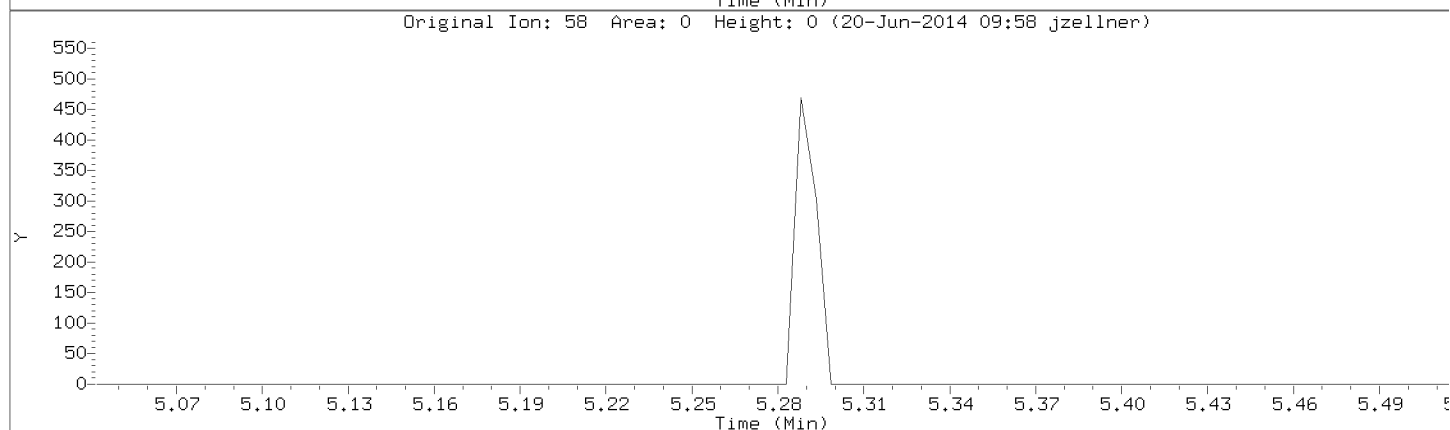
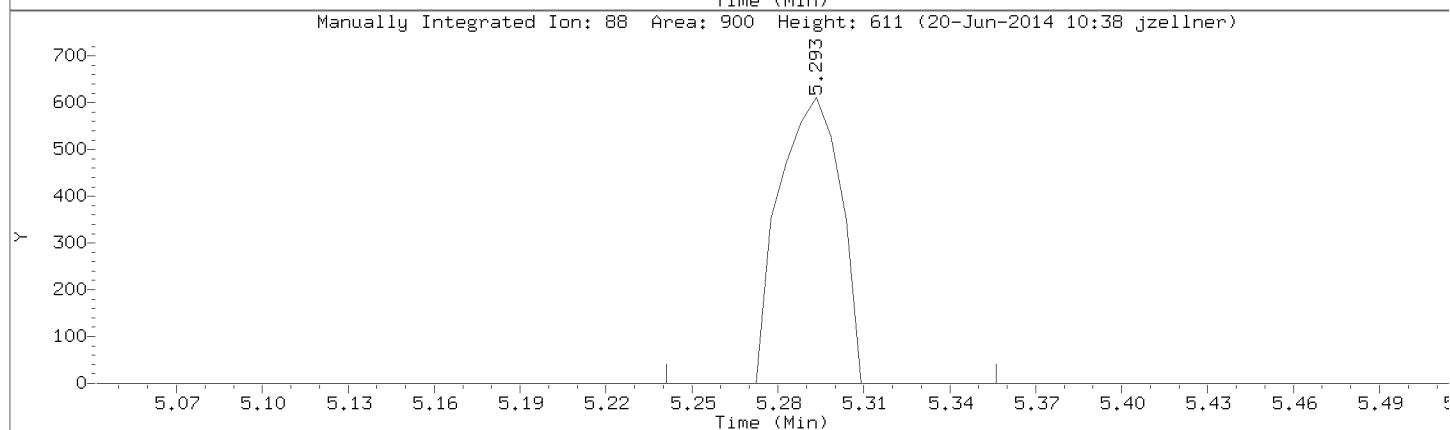
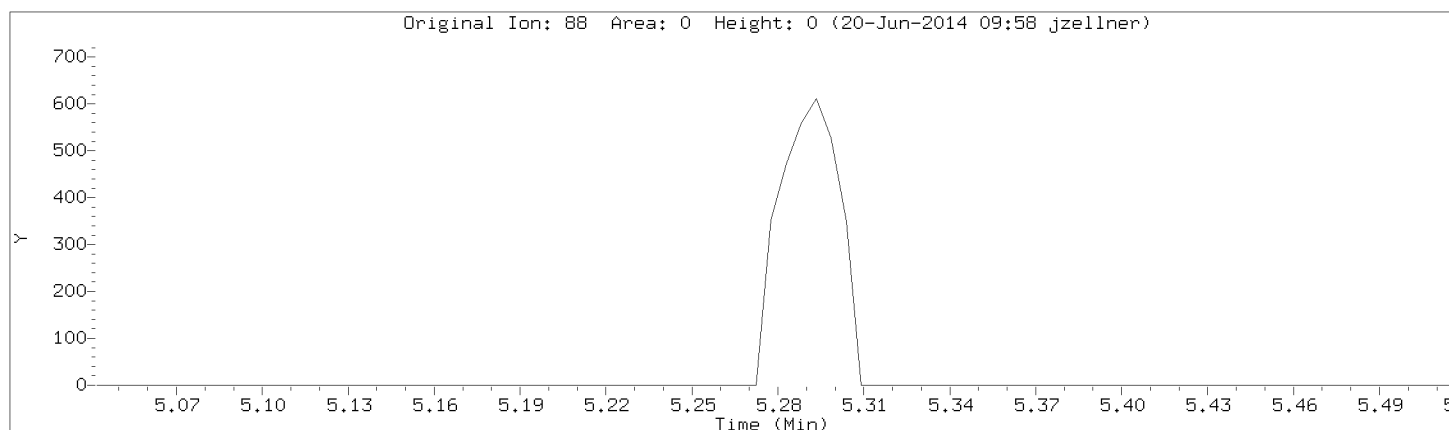


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Instrument: 50mv3a.i
Lab Sample ID: 8260-CAL5,71101:0



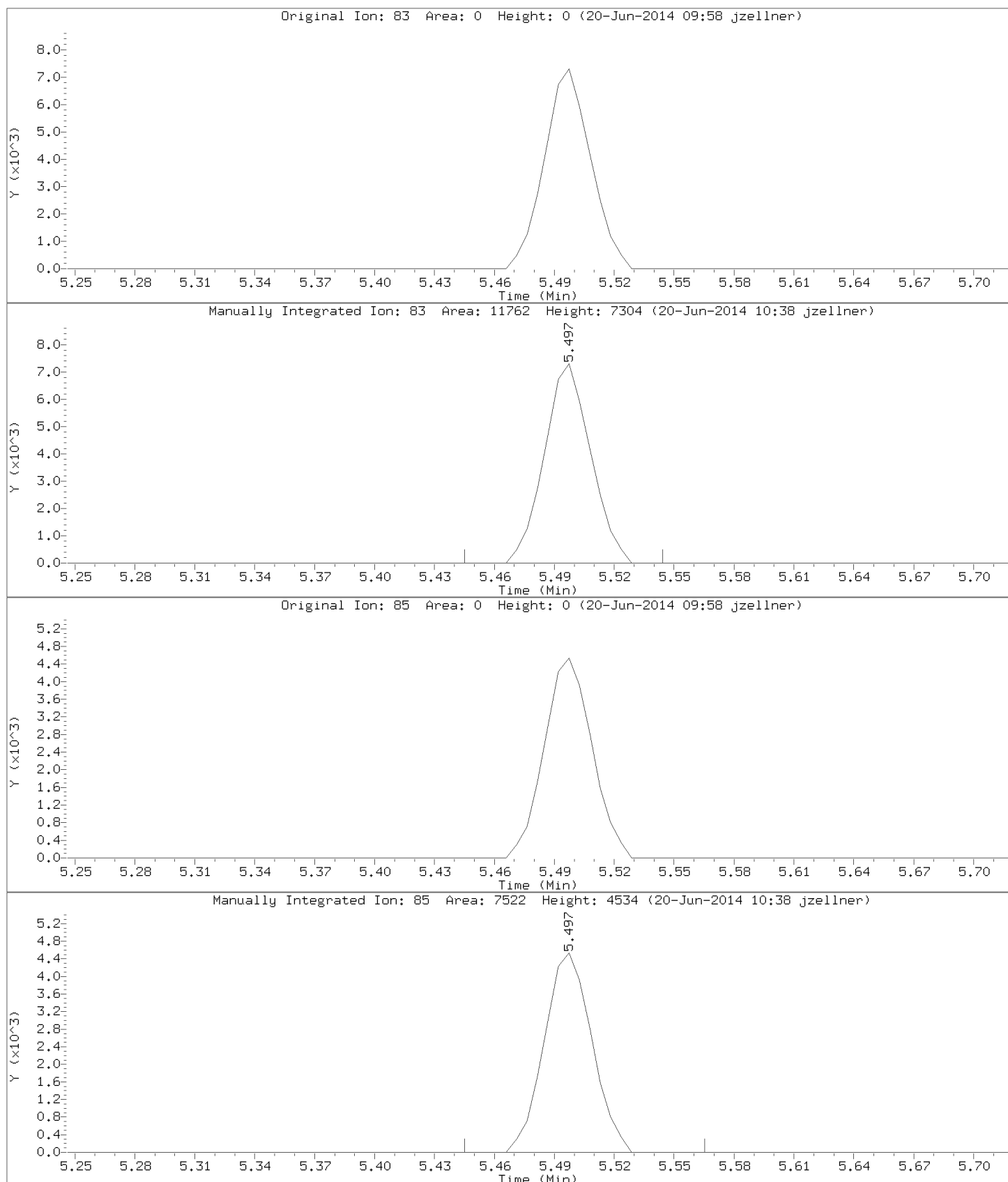
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Instrument: 50mv3a.i
Lab Sample ID: 8260-CAL5,71101:0

Compound: 1,4-Dioxane
CAS Number:

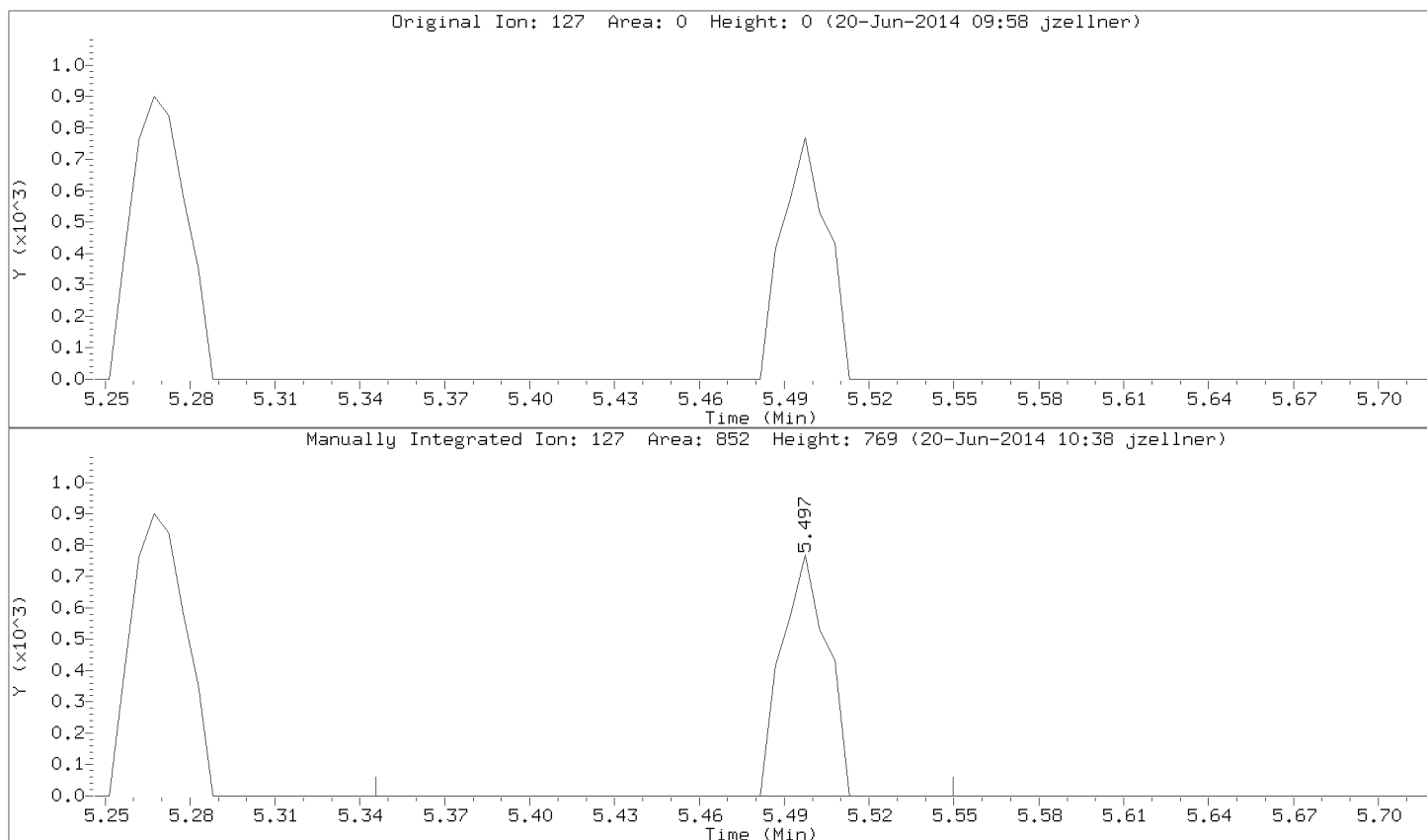


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Instrument: 50mv3a.i
Lab Sample ID: 8260-CAL5,71101:0

Compound: Bromodichloromethane
CAS Number: 75-27-4

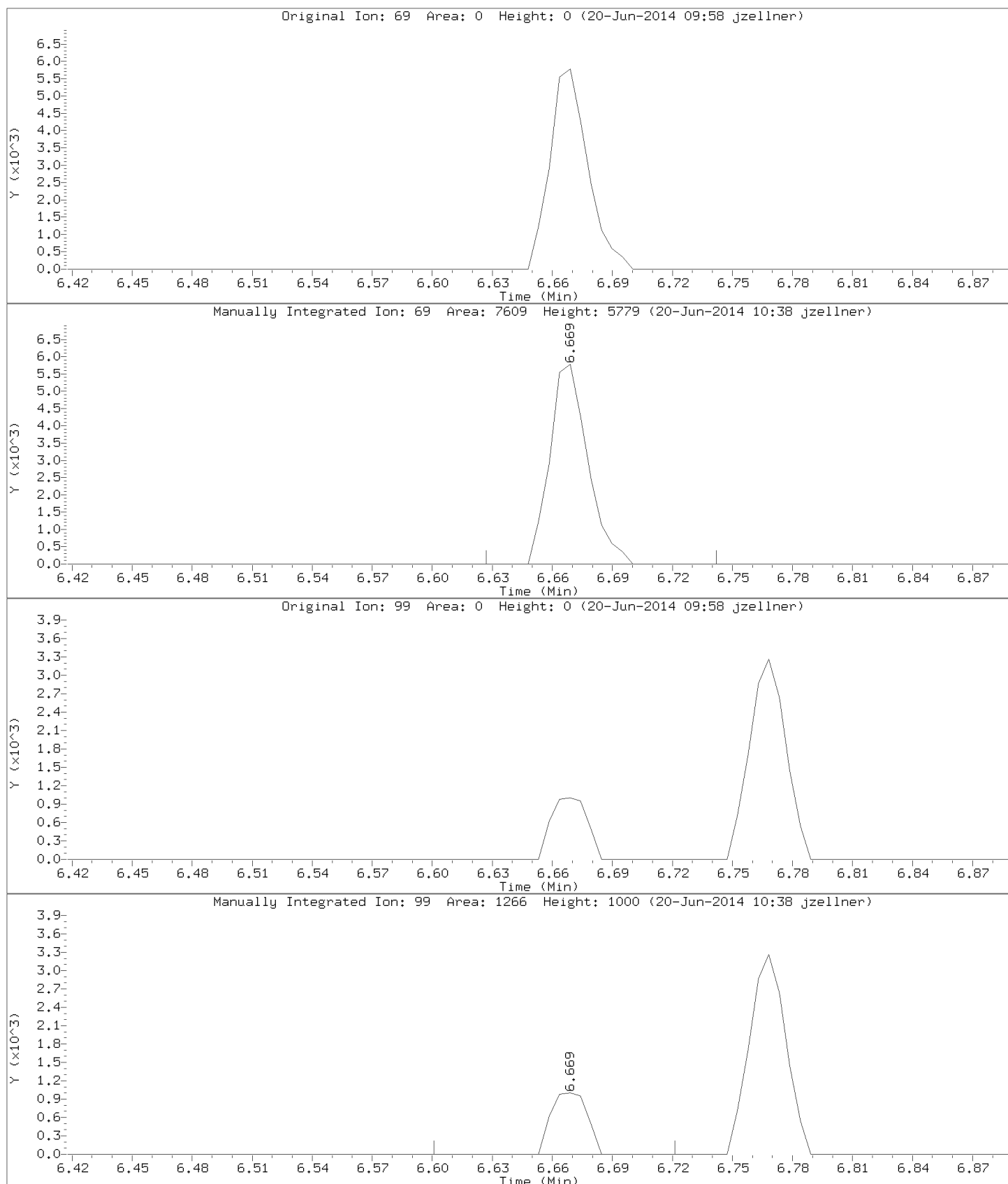


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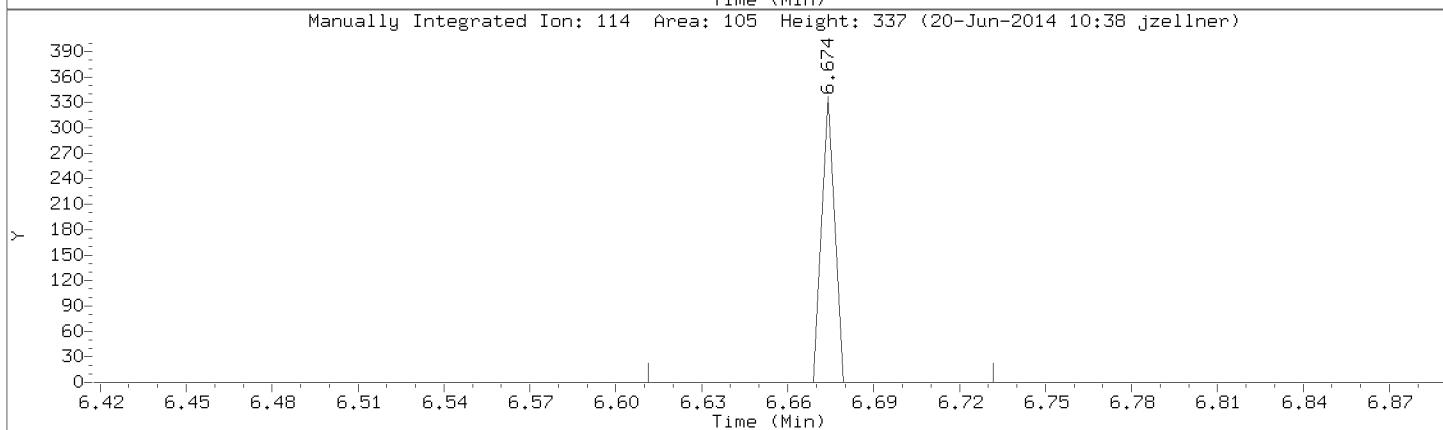
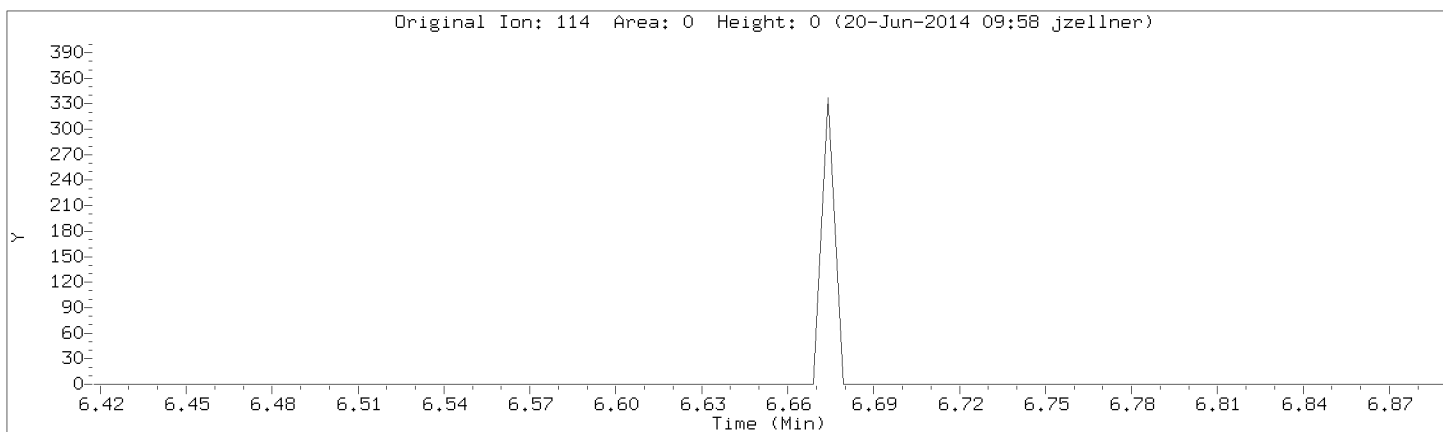


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Lab Sample ID: 8260-CAL5,71101:0

Compound: Ethyl Methacrylate
CAS Number:

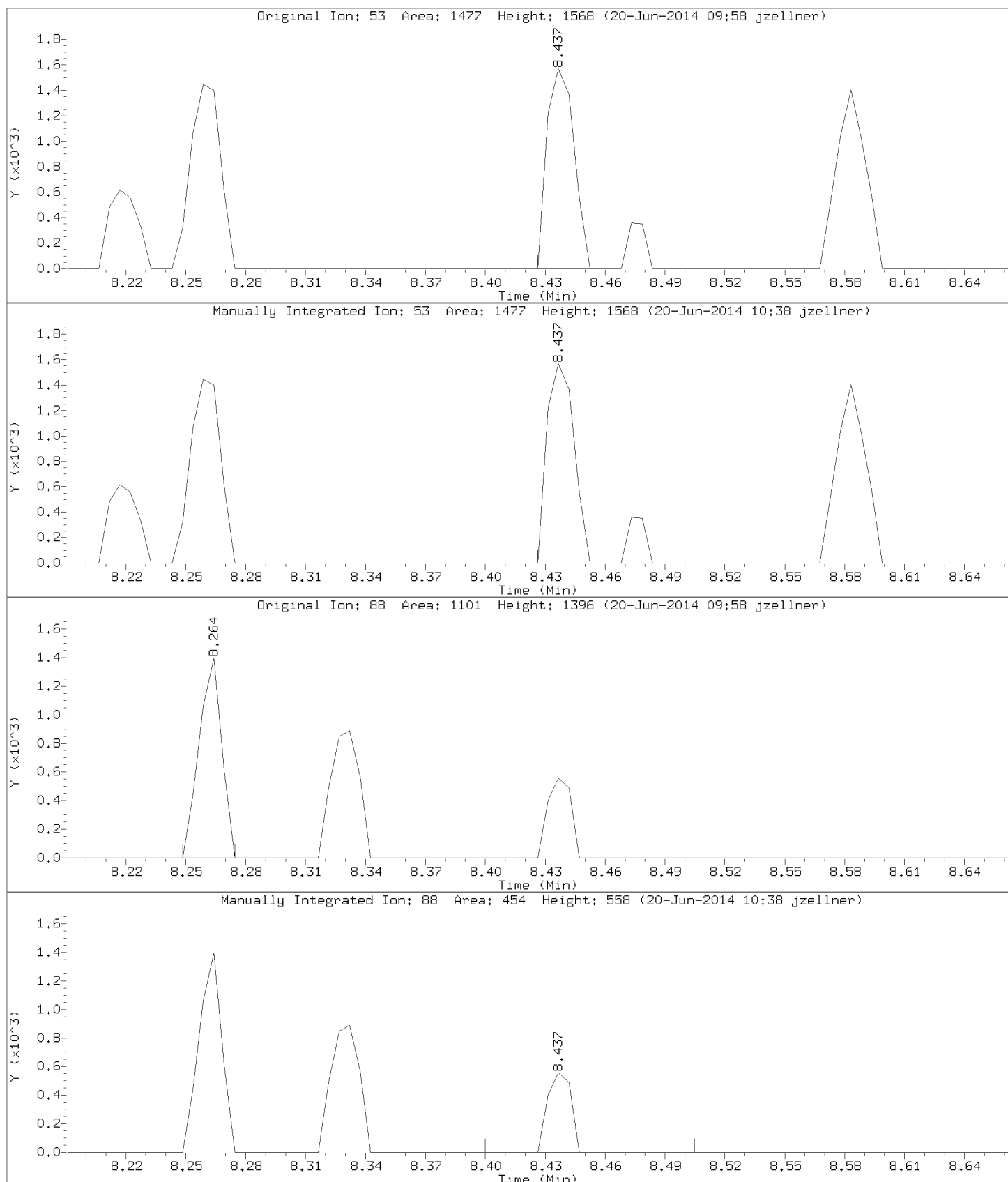


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Lab Sample ID: 8260-CAL5,71101:0



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Injection Date: 19-JUN-2014 16:55
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Lab Sample ID: 8260-CAL5,71101:0

Compound: trans-1,4-Dichloro-2-butene
CAS Number:

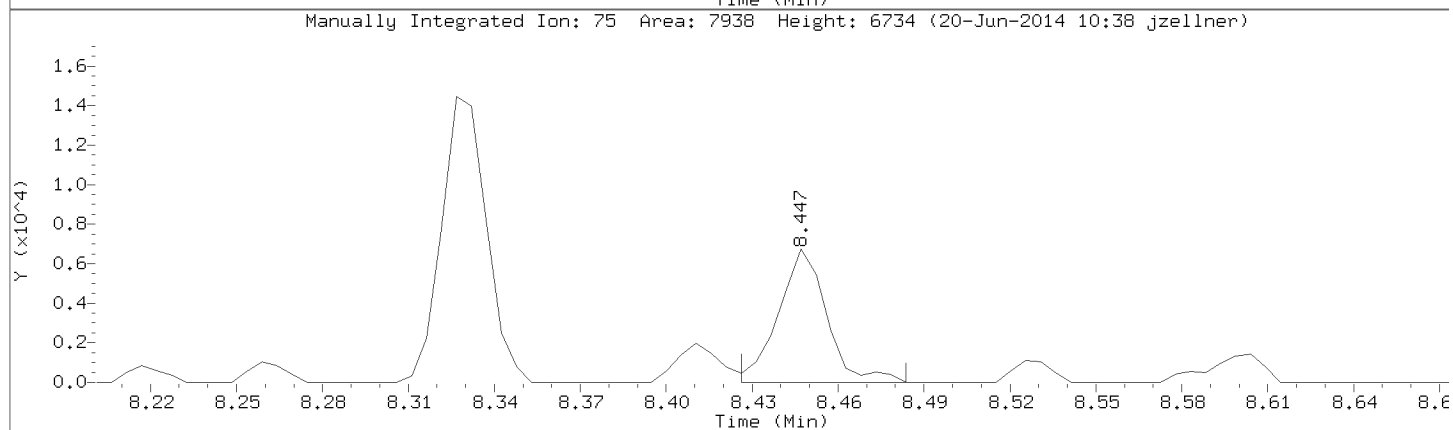
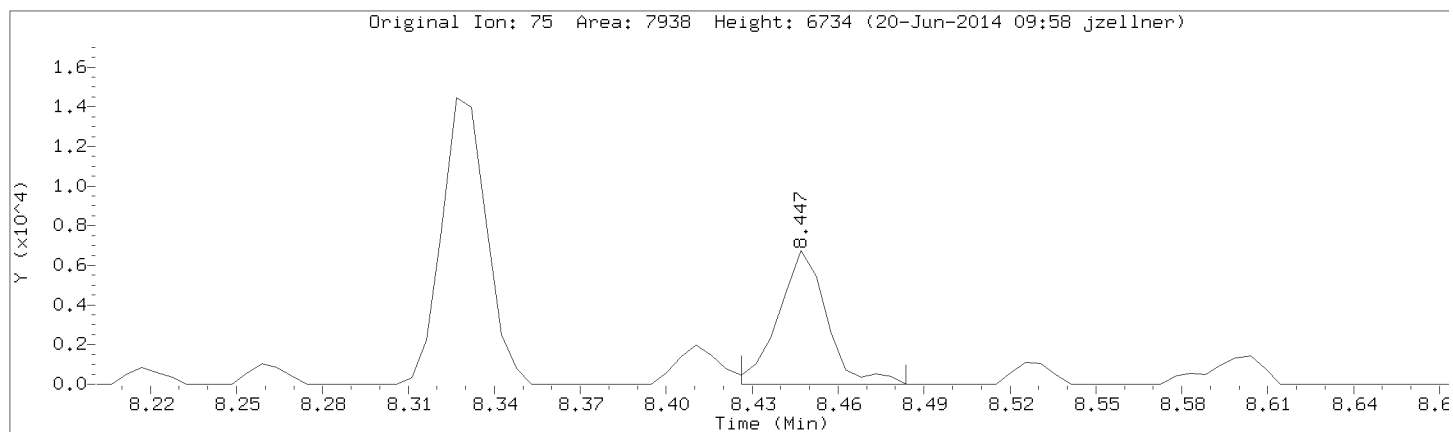


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Injection Date: 19-JUN-2014 16:55

Instrument: 50mv3a.i

Lab Sample ID: 8260-CAL5,71101:0



Pace Analytical Services, Inc.

Data file : \\192.168.50.6\chem\50mv3a.i\a061914cal.b\a06cal.d
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 Operator : jlz Inst ID: 50mv3a.i
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 Misc Info : 65925
 Comment :
 Method : \\192.168.50.6\chem\50mv3a.i\a061914cal.b\ -a8260_a_c.m
 Meth Date : 20-Jun-2014 13:40 50mv3a.i Quant Type: ISTD
 Cal Date : 19-JUN-2014 17:28 Cal File: a06cal.d
 Als bottle: 13 Calibration Sample, Level: 6
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: all.sub
 Target Version: 4.14

Concentration Formula: Amt * DF * Uf/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT	SIG	AMOUNTS					REVIEW C	
			MASS	RT	EXP RT	REL RT	RESPONSE		CAL-AMT (ug/L)
1 Dichlorodifluoromethane	85		1.025	1.028	(0.231)	35182	50.0000	49.8	
2 Chloromethane	50		1.124	1.122	(0.253)	28335	50.0000	47.1	
3 Vinyl Chloride	62		1.135	1.138	(0.255)	28885	50.0000	48.8	
4 Bromomethane	94		1.292	1.289	(0.291)	10971	50.0000	41.9	
5 Chloroethane	64		1.344	1.342	(0.302)	16905	50.0000	49.7	
6 Trichlorofluoromethane	101		1.464	1.467	(0.329)	44693	50.0000	47.5	
7 Diethyl ether	74		1.595	1.596	(0.359)	11172	50.0000	47.2	
8 1,2-dichlorotrifluoroethane	67		1.616	1.617	(0.364)	31735	50.0000	46.5	
9 Acrolein	56		1.674	1.676	(0.377)	32995	1000.00	952	
10 1,1,2trichlorotrifluoroethane	101		1.731	1.732	(0.389)	27263	50.0000	47.4	
11 1,1-Dichloroethene	96		1.736	1.739	(0.391)	23903	50.0000	48.0	
12 Acetone	43		1.747	1.750	(0.393)	17497	250.000	220	
13 Iodomethane	142		1.836	1.833	(0.413)	29487	100.000	91.7	
14 Carbon Disulfide	76		1.888	1.886	(0.425)	138228	100.000	95.3	
15 Methyl Acetate	43		1.930	1.933	(0.434)	9496	50.0000	46.3	
16 allyl chloride	41		1.946	1.947	(0.438)	80873	100.000	103	
17 Methylene Chloride	84		2.029	2.032	(0.457)	29845	50.0000	45.8	
18 tert-Butyl Alcohol	59		2.076	2.079	(0.467)	1761	100.000	98.5	
19 Acrylonitrile	53		2.176	2.173	(0.489)	99390	1000.00	1000	
20 Methyl-tert-butyl ether	73		2.202	2.205	(0.495)	114852	100.000	99.7	
21 1,2-Dichloroethene (trans)	96		2.218	2.215	(0.499)	28276	50.0000	49.2	
22 n-Hexane	57		2.416	2.414	(0.544)	47913	50.0000	48.4	
23 Vinyl Acetate	43		2.531	2.534	(0.569)	125076	200.000	180	

Compounds	QUANT MASS	SIG	AMOUNTS					REVIEW C	
			RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/L)		ON-COL (ug/L)
24 1,1-Dichloroethane	63		2.547	2.545 (0.573)		48459	50.0000	49.3	
25 2-Butanone	43		3.044	3.041 (0.685)		32773	250.000	252	
26 1,2-Dichloroethene (cis)	96		3.060	3.057 (0.688)		28466	50.0000	48.7	
27 2,2-Dichloropropane	77		3.065	3.068 (0.689)		31078	50.0000	43.7	
28 Propionitrile	54		3.112	3.113 (0.700)		1411	50.0000	48.3	
29 Bromochloromethane	49		3.311	3.313 (0.745)		15199	50.0000	51.3	
30 Tetrahydrofuran	42		3.332	3.333 (0.749)		3846	50.0000	50.6	
31 Chloroform	83		3.431	3.428 (0.772)		47006	50.0000	49.2	
\$ 32 Dibromofluoromethane (S)	113		3.619	3.617 (0.814)		21044	50.0000	49.6	
33 1,1,1-Trichloroethane	97		3.624	3.622 (0.815)		41807	50.0000	49.3	
34 Cyclohexane	56		3.713	3.711 (0.835)		48438	50.0000	49.0	
35 Carbon Tetrachloride	117		3.818	3.815 (0.859)		31217	50.0000	44.1	
36 1,1-Dichloropropene	75		3.828	3.826 (0.861)		41454	50.0000	48.9	
37 Benzene	78		4.069	4.067 (0.915)		107074	50.0000	50.6	
38 1,2-Dichloroethane	62		4.147	4.150 (0.933)		29529	50.0000	48.9	
39 Isobutyl alcohol	43		4.236	4.237 (0.953)		22926	50.0000	50.5	
40 2,2,4-Trimethylpentane	57		4.236	4.239 (0.953)		119489	50.0000	49.6	
* 41 Fluorobenzene (IS)	96		4.446	4.448 (1.000)		91231	50.0000		
42 Trichloroethene	95		4.885	4.882 (1.099)		28694	50.0000	49.7	
43 Methylcyclohexane	55		5.146	5.149 (1.158)		41983	50.0000	50.1	
44 1,2-Dichloropropane	63		5.183	5.181 (1.166)		23981	50.0000	49.4	
45 Dibromomethane	93		5.277	5.280 (1.187)		10804	50.0000	50.6	
46 1,4-Dioxane	88		5.288	5.290 (1.189)		2932	1000.00	926	
47 Methyl methacrylate	69		5.293	5.290 (1.191)		10448	50.0000	45.0	
48 Bromodichloromethane	83		5.497	5.494 (1.236)		30729	50.0000	50.0	
49 2-Chloroethyl vinyl ether	63		5.837	5.834 (0.776)		13583	100.000	110	
50 cis-1,3-Dichloropropene	75		5.983	5.981 (0.796)		33502	50.0000	46.0	
51 4-Methyl-2-Pentanone	43		6.156	6.153 (0.819)		73941	250.000	253	
\$ 52 Toluene-d8 (S)	98		6.255	6.258 (0.832)		88536	50.0000	51.7	
53 Toluene	91		6.328	6.331 (0.841)		122580	50.0000	50.0	
54 trans-1,3-Dichloropropene	75		6.595	6.593 (0.877)		24555	50.0000	44.8	
55 Ethyl Methacrylate	69		6.663	6.666 (0.886)		22085	50.0000	46.5	
56 1,1,2-Trichloroethane	83		6.768	6.765 (0.900)		13933	50.0000	50.8	
57 Tetrachloroethene	166		6.820	6.823 (0.907)		35354	50.0000	50.5	
58 1,3-Dichloropropane	76		6.904	6.901 (0.918)		29815	50.0000	48.1	
59 2-Hexanone	43		6.961	6.964 (0.926)		50254	250.000	251	
60 Dibromochloromethane	129		7.082	7.079 (0.942)		18525	50.0000	45.2	
61 1,2-Dibromoethane	107		7.165	7.163 (0.953)		15422	50.0000	52.7	
* 62 Chlorobenzene-D5 (IS)	117		7.521	7.524 (1.000)		64461	50.0000		
63 Chlorobenzene	112		7.542	7.545 (1.003)		75589	50.0000	49.1	
64 1,1,1,2-Tetrachloroethane	131		7.620	7.618 (1.013)		23482	50.0000	51.2	
65 Ethylbenzene	106		7.620	7.623 (1.013)		46922	50.0000	51.1 (H)	WP
66 m&p-Xylene	106		7.720	7.717 (1.026)		113053	100.000	101	
67 o-Xylene	106		7.976	7.979 (1.060)		52215	50.0000	50.0	
68 Styrene	104		7.992	7.994 (1.063)		87927	50.0000	51.0	
69 Bromoform	173		8.112	8.115 (0.901)		10508	50.0000	43.5	
70 Isopropylbenzene	105		8.222	8.219 (1.093)		146597	50.0000	50.0	
\$ 71 4-Bromofluorobenzene (S)	95		8.332	8.329 (1.108)		30441	50.0000	50.6	
72 Bromobenzene	77		8.410	8.413 (1.118)		48731	50.0000	48.9	
73 1,1,2,2-Tetrachloroethane	83		8.420	8.418 (0.935)		19733	50.0000	48.3	
74 trans-1,4-Dichloro-2-butene	53		8.436	8.439 (1.122)		4109	50.0000	44.1 (Q)	
75 1,2,3-Trichloropropane	110		8.447	8.449 (0.938)		6430	50.0000	46.8	
76 n-Propylbenzene	91		8.478	8.476 (0.941)		174808	50.0000	48.7	
77 2-Chlorotoluene	91		8.525	8.528 (0.947)		97749	50.0000	48.6	

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS		REVIEW C
						CAL-AMT (ug/L)	ON-COL (ug/L)	
78 1,3,5-Trimethylbenzene	105	8.583	8.585 (0.953)		130631	50.0000	49.5	
79 4-Chlorotoluene	126	8.525	8.601 (0.947)		33804	50.0000	48.4 (Q)	
80 tert-Butylbenzene	119	8.766	8.763 (0.973)		141641	50.0000	49.9	
81 1,2,4-Trimethylbenzene	105	8.797	8.800 (0.977)		131076	50.0000	49.8	
82 sec-Butylbenzene	105	8.891	8.889 (0.987)		174161	50.0000	49.4	
83 1,3-Dichlorobenzene	146	8.959	8.962 (0.995)		67881	50.0000	47.2	
84 p-Isopropyltoluene	119	8.975	8.972 (0.997)		151350	50.0000	49.4	
* 85 1,4-Dichlorobenzene-d4 (IS)	152	9.006	9.004 (1.000)		36359	50.0000		
86 1,4-Dichlorobenzene	146	9.017	9.019 (1.001)		69126	50.0000	48.2	
87 n-Butylbenzene	91	9.195	9.192 (1.021)		136578	50.0000	49.5	
88 1,2-Dichlorobenzene	146	9.210	9.213 (1.023)		61563	50.0000	48.5	
89 1,2-Dibromo-3-chloropropane	155	10.105	9.621 (1.122)		4544	50.0000	51.2 (Q)	
90 1,2,4-Trichlorobenzene	180	10.042	10.045 (1.115)		45464	50.0000	49.7	
91 Hexachlorobutadiene	225	10.110	10.107 (1.123)		29805	50.0000	51.4	
92 Naphthalene	128	10.193	10.191 (1.132)		80736	50.0000	51.1	
93 1,2,3-Trichlorobenzene	180	10.309	10.311 (1.145)		40141	50.0000	48.9	
94 2,methyl-naphthalene	142	10.852	10.855 (1.205)		51437	50.0000	51.9	
95 1-Methylnaphthalene	142	10.978	10.976 (1.219)		44198	50.0000	52.1	

QC Flag Legend

Q - Qualifier signal failed the ratio test.
 H - Operator selected an alternate compound hit.

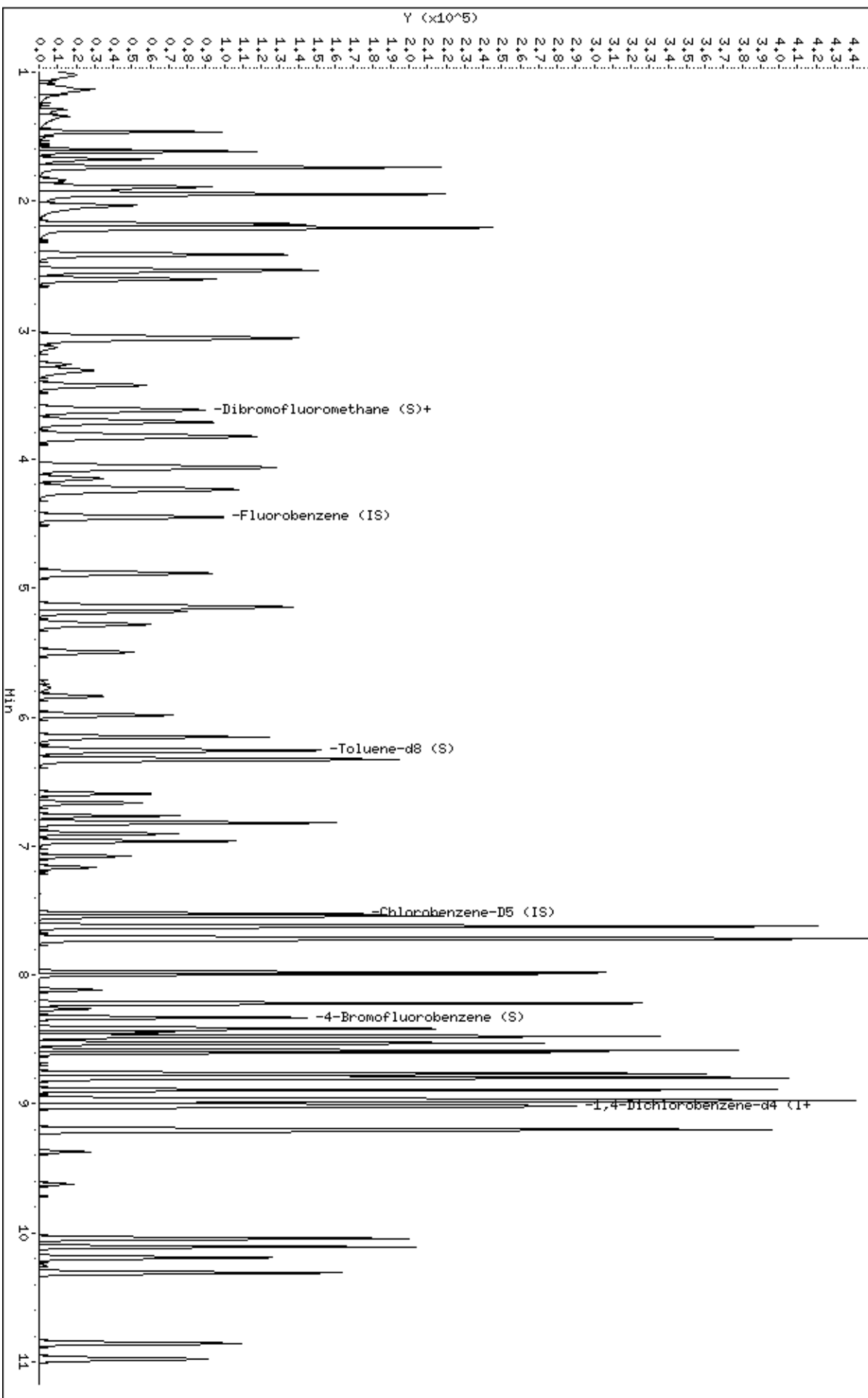
Review Codes Legend

:
 WP: Indicates that the wrong peak was chosen by the data system.

Data File: \\192.168.50.6\chem\50mw3a.1\3061914cal.b\306cal.d
Date: 19-JUN-2014 17:28
Client ID: 8260-CAL6,71102:0
Sample Info: 8260-CAL6,71102:0
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50mw3a.1
Operator: JIZ
Column diameter: 0.18

\\192.168.50.6\chem\50mw3a.1\3061914cal.b\306cal.d



Data File: \\192.168.50.6\chem\50mv3a.i\a061914cal.b/a06cal.d
Injection Date: 19-JUN-2014 17:28
Instrument: 50mv3a.i
Lab Sample ID: 8260-CAL6,71102:0
NO SIGNAL MANUAL INTEGRATIONS DONE FOR THIS DATA FILE

Pace Analytical Services, Inc.

Data file : \\192.168.50.6\chem\50mv3a.i\a061914cal.b\a07cal.d
 Lab Smp Id: 8260-CAL7,71103:0 Client Smp ID: 8260-CAL7,71103:0
 Inj Date : 19-JUN-2014 18:00
 Operator : jlz Inst ID: 50mv3a.i
 Smp Info : 8260-cal7,71103:0
 Misc Info : 65925
 Comment :
 Method : \\192.168.50.6\chem\50mv3a.i\a061914cal.b\ -a8260_a_c.m
 Meth Date : 20-Jun-2014 13:40 50mv3a.i Quant Type: ISTD
 Cal Date : 19-JUN-2014 18:00 Cal File: a07cal.d
 Als bottle: 15 Calibration Sample, Level: 7
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: all.sub
 Target Version: 4.14

Concentration Formula: Amt * DF * Uf/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT	SIG	AMOUNTS					REVIEW	
			MASS	RT	EXP RT	REL RT	RESPONSE		CAL-AMT (ug/L)
1 Dichlorodifluoromethane	85		1.026	1.028	(0.231)	106792	150.000	154	
2 Chloromethane	50		1.120	1.122	(0.252)	87807	150.000	149	
3 Vinyl Chloride	62		1.136	1.138	(0.255)	89015	150.000	150	
4 Bromomethane	94		1.287	1.289	(0.289)	46103	150.000	144	
5 Chloroethane	64		1.340	1.342	(0.301)	56188	150.000	169	
6 Trichlorofluoromethane	101		1.465	1.467	(0.329)	144501	150.000	157	
7 Diethyl ether	74		1.596	1.596	(0.359)	37049	150.000	160	
8 1,2-dichlorotrifluoroethane	67		1.617	1.617	(0.363)	102631	150.000	154	
9 Acrolein	56		1.674	1.676	(0.376)	110802	3000.00	3270	
10 1,1,2trichlorotrifluoroethane	101		1.732	1.732	(0.389)	89861	150.000	160	
11 1,1-Dichloroethene	96		1.737	1.739	(0.390)	78238	150.000	161	
12 Acetone	43		1.747	1.750	(0.393)	60620	750.000	777	
13 Iodomethane	142		1.836	1.833	(0.413)	109651	300.000	303	
14 Carbon Disulfide	76		1.889	1.886	(0.424)	425961	300.000	300	
15 Methyl Acetate	43		1.931	1.933	(0.434)	33059	150.000	165	
16 allyl chloride	41		1.946	1.947	(0.437)	266701	300.000	347	
17 Methylene Chloride	84		2.030	2.032	(0.456)	84422	150.000	148	
18 tert-Butyl Alcohol	59		2.077	2.079	(0.467)	7073	300.000	275 (QM)	WP
19 Acrylonitrile	53		2.176	2.173	(0.489)	327992	3000.00	3380	
20 Methyl-tert-butyl ether	73		2.203	2.205	(0.495)	386919	300.000	343	
21 1,2-Dichloroethene (trans)	96		2.213	2.215	(0.497)	91331	150.000	162	
22 n-Hexane	57		2.412	2.414	(0.542)	153719	150.000	159	
23 Vinyl Acetate	43		2.532	2.534	(0.569)	441171	600.000	589	

Compounds	QUANT MASS	SIG	AMOUNTS				CAL-AMT (ug/L)	ON-COL (ug/L)	REVIEW C
			RT	EXP RT	REL RT	RESPONSE			
24 1,1-Dichloroethane	63		2.548	2.545 (0.572)		155066	150.000	161	
25 2-Butanone	43		3.045	3.041 (0.684)		110686	750.000	870	
26 1,2-Dichloroethene (cis)	96		3.060	3.057 (0.688)		92935	150.000	163	
27 2,2-Dichloropropane	77		3.065	3.068 (0.689)		113420	150.000	142	
28 Propionitrile	54		3.107	3.113 (0.698)		6149	150.000	153 (Q)	
29 Bromochloromethane	49		3.311	3.313 (0.744)		42563	150.000	147	
30 Tetrahydrofuran	42		3.332	3.333 (0.749)		12814	150.000	172	
31 Chloroform	83		3.432	3.428 (0.771)		149641	150.000	160	
\$ 32 Dibromofluoromethane (S)	113		3.620	3.617 (0.813)		21342	50.0000	51.4	
33 1,1,1-Trichloroethane	97		3.620	3.622 (0.813)		140155	150.000	169	
34 Cyclohexane	56		3.714	3.711 (0.834)		157476	150.000	163	
35 Carbon Tetrachloride	117		3.819	3.815 (0.858)		113875	150.000	147	
36 1,1-Dichloropropene	75		3.829	3.826 (0.860)		135610	150.000	163	
37 Benzene	78		4.070	4.067 (0.914)		339893	150.000	164	
38 1,2-Dichloroethane	62		4.148	4.150 (0.932)		96433	150.000	163	
39 Isobutyl alcohol	43		4.237	4.237 (0.952)		73475	150.000	165	
40 2,2,4-Trimethylpentane	57		4.237	4.239 (0.952)		377367	150.000	160	
* 41 Fluorobenzene (IS)	96		4.451	4.448 (1.000)		89255	50.0000		
42 Trichloroethene	95		4.886	4.882 (1.097)		92334	150.000	163	
43 Methylcyclohexane	55		5.147	5.149 (1.156)		133578	150.000	163	
44 1,2-Dichloropropane	63		5.184	5.181 (1.164)		78570	150.000	165	
45 Dibromomethane	93		5.278	5.280 (1.186)		35822	150.000	172	
46 1,4-Dioxane	88		5.288	5.290 (1.188)		11059	3000.00	3100	
47 Methyl methacrylate	69		5.288	5.290 (1.188)		37515	150.000	152	
48 Bromodichloromethane	83		5.497	5.494 (1.235)		104554	150.000	174	
49 2-Chloroethyl vinyl ether	63		5.837	5.834 (0.776)		41950	300.000	328	
50 cis-1,3-Dichloropropene	75		5.984	5.981 (0.796)		122399	150.000	152	
51 4-Methyl-2-Pentanone	43		6.156	6.153 (0.819)		258540	750.000	852	
\$ 52 Toluene-d8 (S)	98		6.261	6.258 (0.832)		87396	50.0000	49.2	
53 Toluene	91		6.334	6.331 (0.842)		393727	150.000	155	
54 trans-1,3-Dichloropropene	75		6.591	6.593 (0.876)		94412	150.000	149	
55 Ethyl Methacrylate	69		6.664	6.666 (0.886)		81430	150.000	155	
56 1,1,2-Trichloroethane	83		6.768	6.765 (0.900)		45609	150.000	160	
57 Tetrachloroethene	166		6.821	6.823 (0.907)		114983	150.000	158	
58 1,3-Dichloropropane	76		6.904	6.901 (0.918)		101839	150.000	158	
59 2-Hexanone	43		6.962	6.964 (0.926)		183159	750.000	883	
60 Dibromochloromethane	129		7.082	7.079 (0.942)		67961	150.000	152	
61 1,2-Dibromoethane	107		7.166	7.163 (0.953)		53787	150.000	177	
* 62 Chlorobenzene-D5 (IS)	117		7.522	7.524 (1.000)		66844	50.0000		
63 Chlorobenzene	112		7.548	7.545 (1.003)		249871	150.000	156	
64 1,1,1,2-Tetrachloroethane	131		7.621	7.618 (1.013)		85418	150.000	180	
65 Ethylbenzene	106		7.626	7.623 (1.014)		153799	150.000	162 (H)	WP
66 m&p-Xylene	106		7.720	7.717 (1.026)		370339	300.000	319	
67 o-Xylene	106		7.977	7.979 (1.060)		173123	150.000	160	
68 Styrene	104		7.992	7.994 (1.063)		295248	150.000	165	
69 Bromoform	173		8.113	8.115 (0.901)		40800	150.000	147	
70 Isopropylbenzene	105		8.217	8.219 (1.092)		487075	150.000	160	
\$ 71 4-Bromofluorobenzene (S)	95		8.332	8.329 (1.108)		31616	50.0000	50.7	
72 Bromobenzene	77		8.411	8.413 (1.118)		162967	150.000	158	
73 1,1,2,2-Tetrachloroethane	83		8.421	8.418 (0.935)		68359	150.000	164	
74 trans-1,4-Dichloro-2-butene	53		8.437	8.439 (1.122)		16218	150.000	148	
75 1,2,3-Trichloropropane	110		8.453	8.449 (0.938)		22065	150.000	153 (Q)	
76 n-Propylbenzene	91		8.479	8.476 (0.941)		570312	150.000	156	
77 2-Chlorotoluene	91		8.531	8.528 (0.947)		317767	150.000	155	

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS		REVIEW C
						CAL-AMT (ug/L)	ON-COL (ug/L)	
78 1,3,5-Trimethylbenzene	105	8.583	8.585	(0.953)	426941	150.000	159	
79 4-Chlorotoluene	126	8.531	8.601	(0.947)	109297	150.000	154	
80 tert-Butylbenzene	119	8.766	8.763	(0.973)	464716	150.000	161	
81 1,2,4-Trimethylbenzene	105	8.798	8.800	(0.977)	422546	150.000	158	
82 sec-Butylbenzene	105	8.892	8.889	(0.987)	559045	150.000	156	
83 1,3-Dichlorobenzene	146	8.965	8.962	(0.995)	223453	150.000	153	
84 p-Isopropyltoluene	119	8.976	8.972	(0.997)	489789	150.000	157	
* 85 1,4-Dichlorobenzene-d4 (IS)	152	9.007	9.004	(1.000)	36987	50.0000	(Q)	
86 1,4-Dichlorobenzene	146	9.017	9.019	(1.001)	220731	150.000	151	
87 n-Butylbenzene	91	9.195	9.192	(1.021)	439869	150.000	157	
88 1,2-Dichlorobenzene	146	9.211	9.213	(1.023)	196067	150.000	152	
89 1,2-Dibromo-3-chloropropane	155	10.110	9.621	(1.123)	15029	150.000	167	
90 1,2,4-Trichlorobenzene	180	10.042	10.045	(1.115)	146554	150.000	157	
91 Hexachlorobutadiene	225	10.110	10.107	(1.123)	95754	150.000	162	
92 Naphthalene	128	10.189	10.191	(1.131)	269804	150.000	168	
93 1,2,3-Trichlorobenzene	180	10.309	10.311	(1.145)	129837	150.000	155	
94 2,methyl-naphthalene	142	10.853	10.855	(1.205)	176979	150.000	176	
95 1-Methylnaphthalene	142	10.979	10.976	(1.219)	148966	150.000	173	

QC Flag Legend

- Q - Qualifier signal failed the ratio test.
- M - Compound response manually integrated.
- H - Operator selected an alternate compound hit.

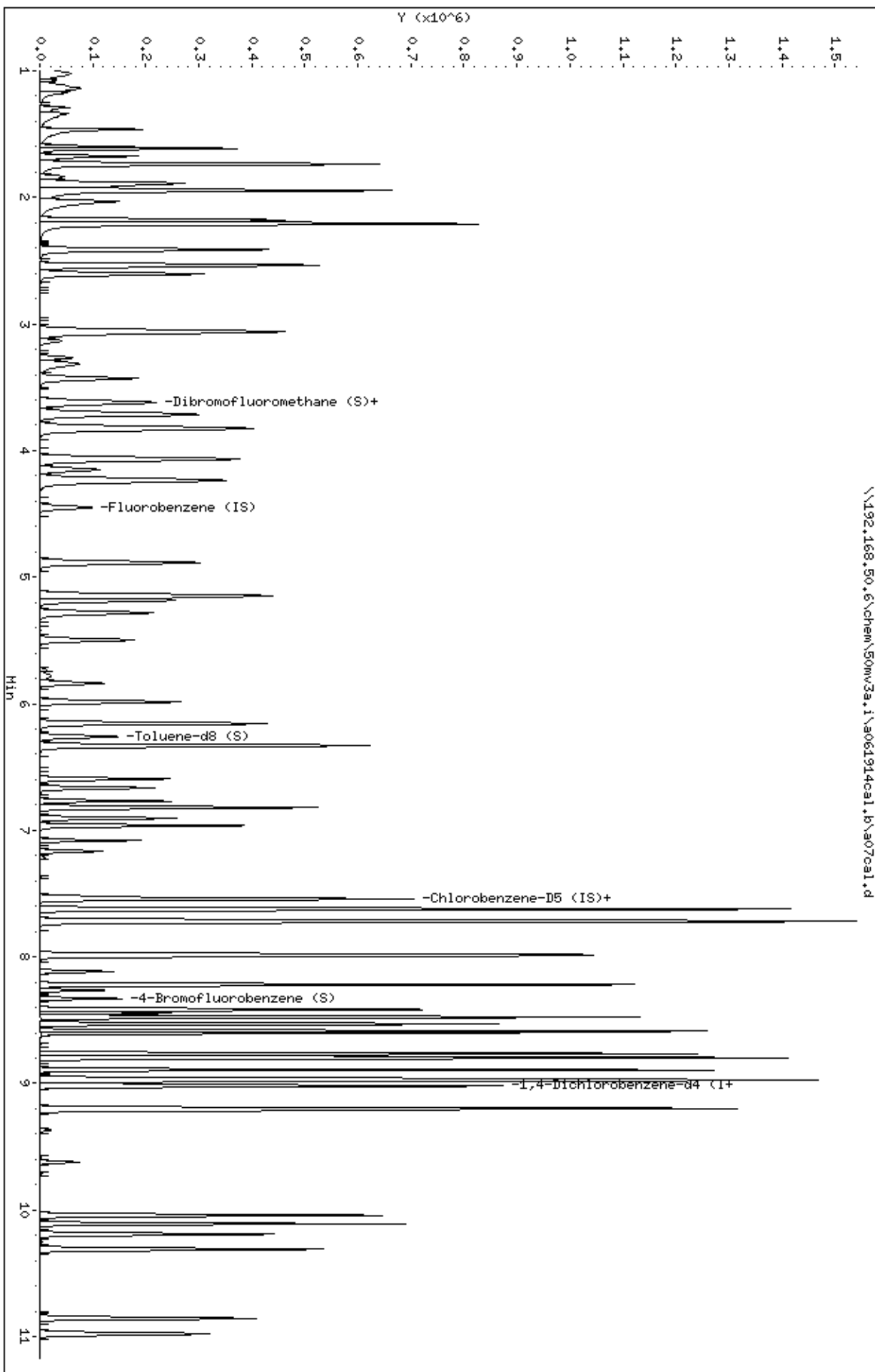
Review Codes Legend

- :
 WP: Indicates that the wrong peak was chosen by the data system.

Data File: \\192.168.50.6\chem\50mw3a.1\A061914cal.1\A07cal.1.d
Date: 19-JUN-2014 18:00
Client ID: 8260-CAL7,71103:0
Sample Info: 8260-CAL7,71103:0
Purge Volume: 5.0
Column phase: DB-624

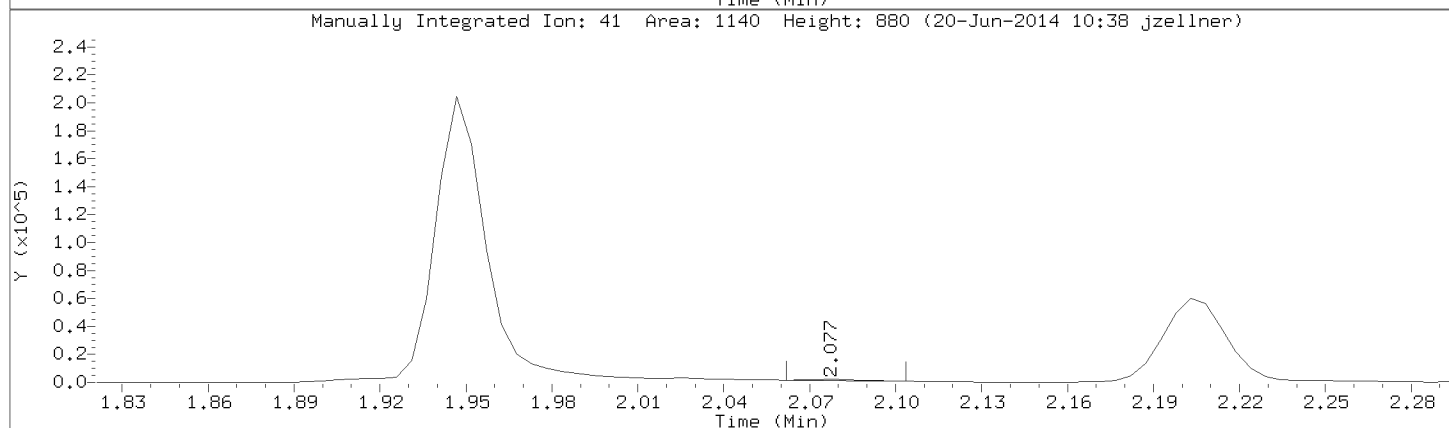
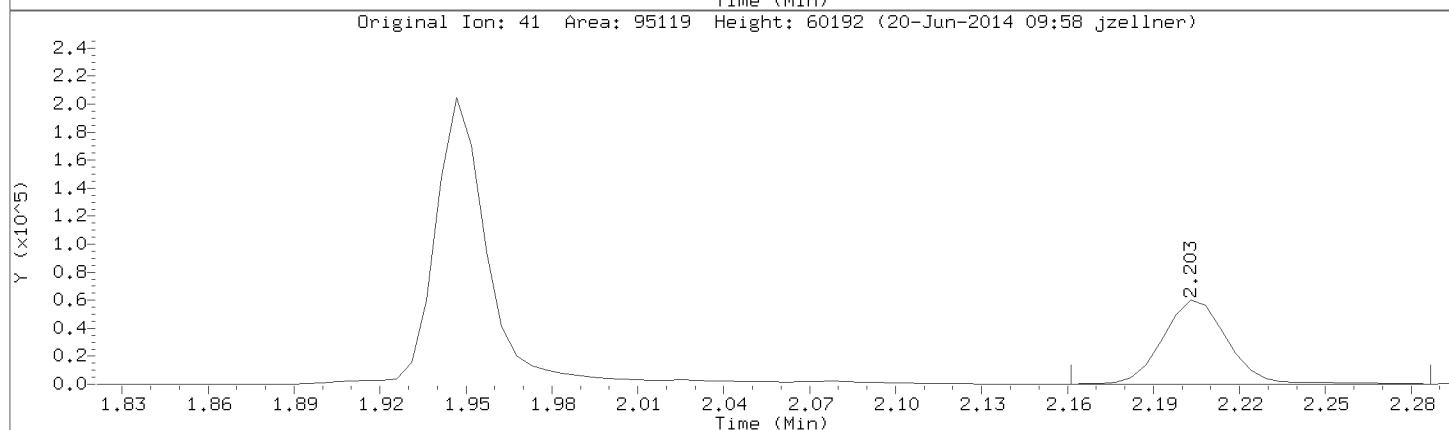
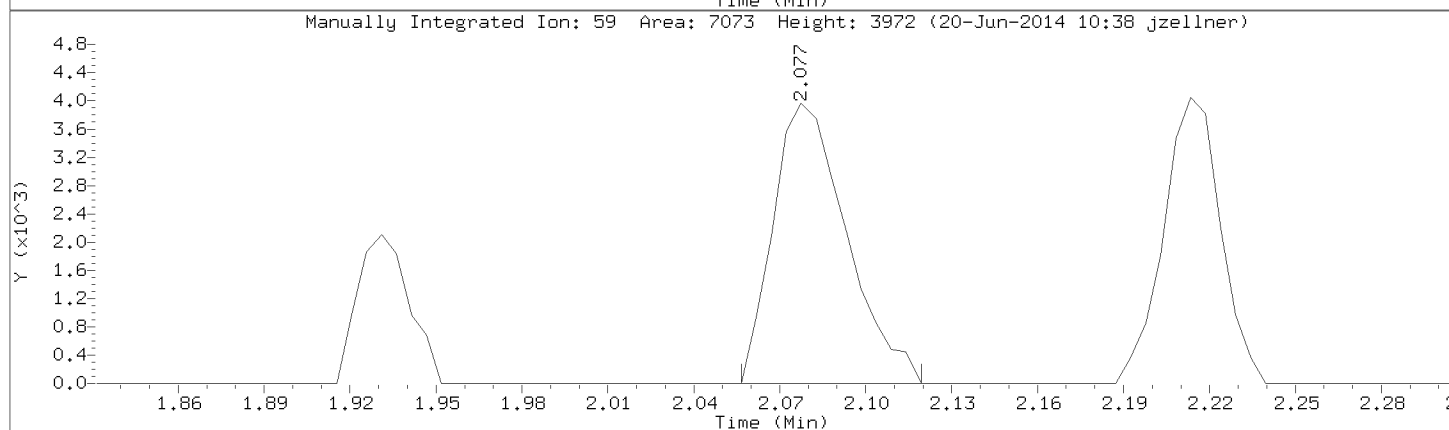
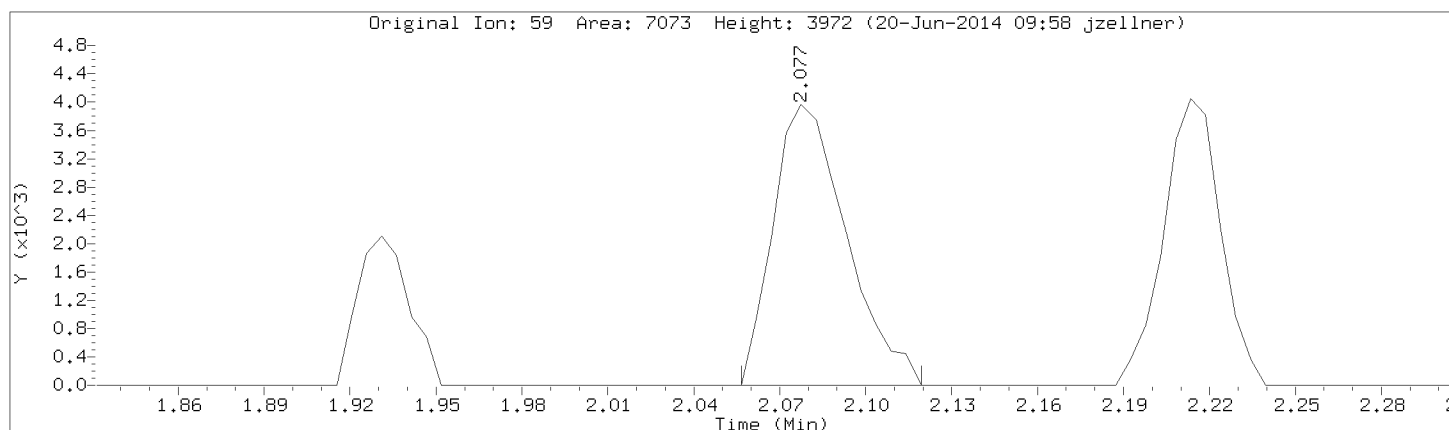
Instrument: 50mw3a.1
Operator: JIZ
Column diameter: 0.18

\\192.168.50.6\chem\50mw3a.1\A061914cal.1\A07cal.1.d



Data File: \\192.168.50.6\chem\50mv3a.i\a061914cal.b/a07cal.d
Injection Date: 19-JUN-2014 18:00
Instrument: 50mv3a.i
Lab Sample ID: 8260-CAL7,71103:0

Compound: tert-Butyl Alcohol
CAS Number: 75-65-0



Pace Analytical Services, Inc.

Data file : \\192.168.50.6\chem\50mv3a.i\a061914cal.b\a08cal.d
 Lab Smp Id: 8260-CAL8,71104:0 Client Smp ID: 8260-CAL8,71104:0
 Inj Date : 19-JUN-2014 18:33
 Operator : jlz Inst ID: 50mv3a.i
 Smp Info : 8260-cal8,71104:0
 Misc Info : 65925
 Comment :
 Method : \\192.168.50.6\chem\50mv3a.i\a061914cal.b\ -a8260_a_c.m
 Meth Date : 20-Jun-2014 13:40 50mv3a.i Quant Type: ISTD
 Cal Date : Cal File:
 Als bottle: 17 Calibration Sample, Level: 8
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: all.sub
 Target Version: 4.14

Concentration Formula: Amt * DF * Uf/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT	SIG	MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS		REVIEW C
								CAL-AMT (ug/L)	ON-COL (ug/L)	
1 Dichlorodifluoromethane	85			1.026	1.028	(0.231)	230444	300.000	318	
2 Chloromethane	50			1.120	1.122	(0.252)	207797	300.000	337	
3 Vinyl Chloride	62			1.157	1.138	(0.260)	194917	300.000	313	
4 Bromomethane	94			1.282	1.289	(0.288)	106792	300.000	304	
5 Chloroethane	64			1.335	1.342	(0.300)	121746	300.000	349	
6 Trichlorofluoromethane	101			1.465	1.467	(0.330)	322771	300.000	334	
7 Diethyl ether	74			1.596	1.596	(0.359)	82003	300.000	338	
8 1,2-dichlorotrifluoroethane	67			1.617	1.617	(0.364)	225341	300.000	322	
9 Acrolein	56			1.675	1.676	(0.377)	246748	6000.00	6940	
10 1,1,2trichlorotrifluoroethane	101			1.732	1.732	(0.390)	192690	300.000	327	
11 1,1-Dichloroethene	96			1.737	1.739	(0.391)	163880	300.000	321	
12 Acetone	43			1.748	1.750	(0.393)	125611	1500.00	1540	
13 Iodomethane	142			1.837	1.833	(0.413)	192124	600.000	495	
14 Carbon Disulfide	76			1.884	1.886	(0.424)	908869	600.000	611	
15 Methyl Acetate	43			1.931	1.933	(0.434)	69788	300.000	331	
16 allyl chloride	41			1.947	1.947	(0.438)	508164	600.000	630 (QM)	NI
17 Methylene Chloride	84			2.030	2.032	(0.457)	176376	300.000	302	
18 tert-Butyl Alcohol	59			2.083	2.079	(0.468)	18145	600.000	612 (QM)	WP
19 Acrylonitrile	53			2.177	2.173	(0.490)	678180	6000.00	6670	
20 Methyl-tert-butyl ether	73			2.203	2.205	(0.495)	816146	600.000	690	
21 1,2-Dichloroethene (trans)	96			2.213	2.215	(0.498)	194309	300.000	329	
22 n-Hexane	57			2.412	2.414	(0.542)	320565	300.000	316	
23 Vinyl Acetate	43			2.532	2.534	(0.570)	968358	1200.00	1210	

Compounds	QUANT MASS	SIG	AMOUNTS				CAL-AMT (ug/L)	ON-COL (ug/L)	REVIEW C
			RT	EXP RT	REL RT	RESPONSE			
24 1,1-Dichloroethane	63		2.548	2.545 (0.573)		325747	300.000	323	
25 2-Butanone	43		3.045	3.041 (0.685)		220842	1500.00	1650	
26 1,2-Dichloroethene (cis)	96		3.061	3.057 (0.688)		194375	300.000	324	
27 2,2-Dichloropropane	77		3.066	3.068 (0.690)		261812	300.000	304	
28 Propionitrile	54		3.113	3.113 (0.700)		13429	300.000	299 (Q)	
29 Bromochloromethane	49		3.312	3.313 (0.745)		84323	300.000	277	
30 Tetrahydrofuran	42		3.333	3.333 (0.749)		26326	300.000	338	
31 Chloroform	83		3.432	3.428 (0.772)		311049	300.000	317	
\$ 32 Dibromofluoromethane (S)	113		3.620	3.617 (0.814)		22379	50.0000	51.4	
33 1,1,1-Trichloroethane	97		3.620	3.622 (0.814)		302446	300.000	348	
34 Cyclohexane	56		3.714	3.711 (0.835)		326644	300.000	322	
35 Carbon Tetrachloride	117		3.819	3.815 (0.859)		250601	300.000	302	
36 1,1-Dichloropropene	75		3.824	3.826 (0.860)		280557	300.000	322	
37 Benzene	78		4.070	4.067 (0.915)		707322	300.000	326	
38 1,2-Dichloroethane	62		4.148	4.150 (0.933)		199773	300.000	322	
39 Isobutyl alcohol	43		4.237	4.237 (0.953)		151949	300.000	326	
40 2,2,4-Trimethylpentane	57		4.237	4.239 (0.953)		782285	300.000	316	
* 41 Fluorobenzene (IS)	96		4.447	4.448 (1.000)		93596	50.0000		
42 Trichloroethene	95		4.886	4.882 (1.099)		193030	300.000	326	
43 Methylcyclohexane	55		5.147	5.149 (1.158)		278910	300.000	324	
44 1,2-Dichloropropane	63		5.184	5.181 (1.166)		166382	300.000	334	
45 Dibromomethane	93		5.278	5.280 (1.187)		74337	300.000	340	
46 1,4-Dioxane	88		5.289	5.290 (1.189)		22915	6000.00	5960	
47 Methyl methacrylate	69		5.289	5.290 (1.189)		78869	300.000	300	
48 Bromodichloromethane	83		5.498	5.494 (1.236)		222675	300.000	353	
49 2-Chloroethyl vinyl ether	63		5.838	5.834 (0.776)		85518	600.000	620	
50 cis-1,3-Dichloropropene	75		5.984	5.981 (0.796)		261723	300.000	299	
51 4-Methyl-2-Pentanone	43		6.157	6.153 (0.819)		523748	1500.00	1600	
\$ 52 Toluene-d8 (S)	98		6.261	6.258 (0.832)		93457	50.0000	48.9	
53 Toluene	91		6.335	6.331 (0.842)		816373	300.000	298	
54 trans-1,3-Dichloropropene	75		6.591	6.593 (0.876)		209705	300.000	301	
55 Ethyl Methacrylate	69		6.669	6.666 (0.887)		171245	300.000	298	
56 1,1,2-Trichloroethane	83		6.769	6.765 (0.900)		94724	300.000	309	
57 Tetrachloroethene	166		6.821	6.823 (0.907)		243004	300.000	311	
58 1,3-Dichloropropane	76		6.905	6.901 (0.918)		209303	300.000	303	
59 2-Hexanone	43		6.967	6.964 (0.926)		367350	1500.00	1640	
60 Dibromochloromethane	129		7.083	7.079 (0.942)		146102	300.000	300	
61 1,2-Dibromoethane	107		7.166	7.163 (0.953)		111140	300.000	340	
* 62 Chlorobenzene-D5 (IS)	117		7.522	7.524 (1.000)		71982	50.0000		
63 Chlorobenzene	112		7.548	7.545 (1.003)		525347	300.000	306	
64 1,1,1,2-Tetrachloroethane	131		7.621	7.618 (1.013)		187734	300.000	367	
65 Ethylbenzene	106		7.626	7.623 (1.014)		330255	300.000	322	
66 m&p-Xylene	106		7.721	7.717 (1.026)		786102	600.000	630	
67 o-Xylene	106		7.977	7.979 (1.060)		367244	300.000	315	
68 Styrene	104		7.993	7.994 (1.063)		627836	300.000	326	
69 Bromoform	173		8.113	8.115 (0.901)		91595	300.000	302	
70 Isopropylbenzene	105		8.223	8.219 (1.093)		1030571	300.000	315	
\$ 71 4-Bromofluorobenzene (S)	95		8.333	8.329 (1.108)		34237	50.0000	51.0	
72 Bromobenzene	77		8.411	8.413 (1.118)		343133	300.000	308	
73 1,1,2,2-Tetrachloroethane	83		8.421	8.418 (0.935)		141690	300.000	320	
74 trans-1,4-Dichloro-2-butene	53		8.437	8.439 (1.122)		36627	300.000	302 (Q)	
75 1,2,3-Trichloropropane	110		8.453	8.449 (0.938)		46136	300.000	299	
76 n-Propylbenzene	91		8.479	8.476 (0.941)		1212106	300.000	311	
77 2-Chlorotoluene	91		8.531	8.528 (0.947)		680370	300.000	312	

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS		REVIEW C
						CAL-AMT (ug/L)	ON-COL (ug/L)	
78 1,3,5-Trimethylbenzene	105	8.584	8.585 (0.953)		914301	300.000	319	
79 4-Chlorotoluene	126	8.605	8.601 (0.955)		244718	300.000	323 (Q)	
80 tert-Butylbenzene	119	8.767	8.763 (0.973)		1011224	300.000	328	
81 1,2,4-Trimethylbenzene	105	8.798	8.800 (0.977)		921723	300.000	322	
82 sec-Butylbenzene	105	8.892	8.889 (0.987)		1180855	300.000	309	
83 1,3-Dichlorobenzene	146	8.965	8.962 (0.995)		482531	300.000	309	
84 p-Isopropyltoluene	119	8.976	8.972 (0.997)		1055266	300.000	318	
* 85 1,4-Dichlorobenzene-d4 (IS)	152	9.007	9.004 (1.000)		39437	50.0000	(Q)	
86 1,4-Dichlorobenzene	146	9.023	9.019 (1.002)		470344	300.000	302	
87 n-Butylbenzene	91	9.196	9.192 (1.021)		936619	300.000	313	
88 1,2-Dichlorobenzene	146	9.211	9.213 (1.023)		429583	300.000	312	
89 1,2-Dibromo-3-chloropropane	155	9.619	9.621 (1.068)		23436	300.000	244 (Q)	
90 1,2,4-Trichlorobenzene	180	10.043	10.045 (1.115)		310696	300.000	313	
91 Hexachlorobutadiene	225	10.111	10.107 (1.123)		199159	300.000	317	
92 Naphthalene	128	10.189	10.191 (1.131)		560751	300.000	327	
93 1,2,3-Trichlorobenzene	180	10.310	10.311 (1.145)		270886	300.000	304	
94 2,methyl-naphthalene	142	10.853	10.855 (1.205)		371276	300.000	345	
95 1-Methylnaphthalene	142	10.979	10.976 (1.219)		310007	300.000	337	

QC Flag Legend

Q - Qualifier signal failed the ratio test.
 M - Compound response manually integrated.

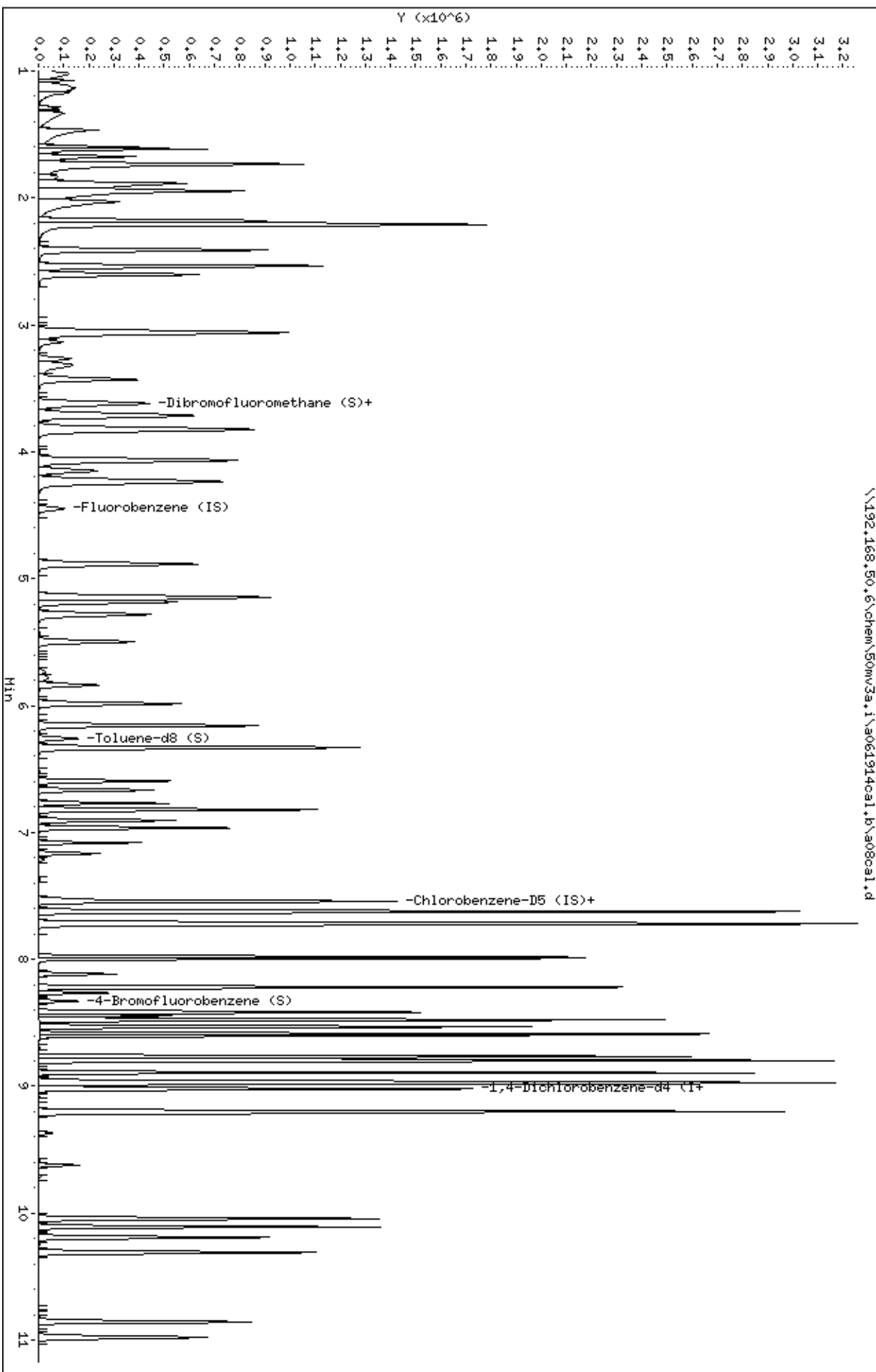
Review Codes Legend

:
 NI: Indicates that the peak was not integrated at all by the computer software.
 WP: Indicates that the wrong peak was chosen by the data system.

Data File: \\192.168.50.6\chem\50mw3a.1\3061914cal.1\308cal.1.d
Date: 19-JUN-2014 18:33
Client ID: 8260-CAL8,71104:0
Sample Info: 8260-CAL8,71104:0
Purge Volume: 5.0
Column phase: DB-624

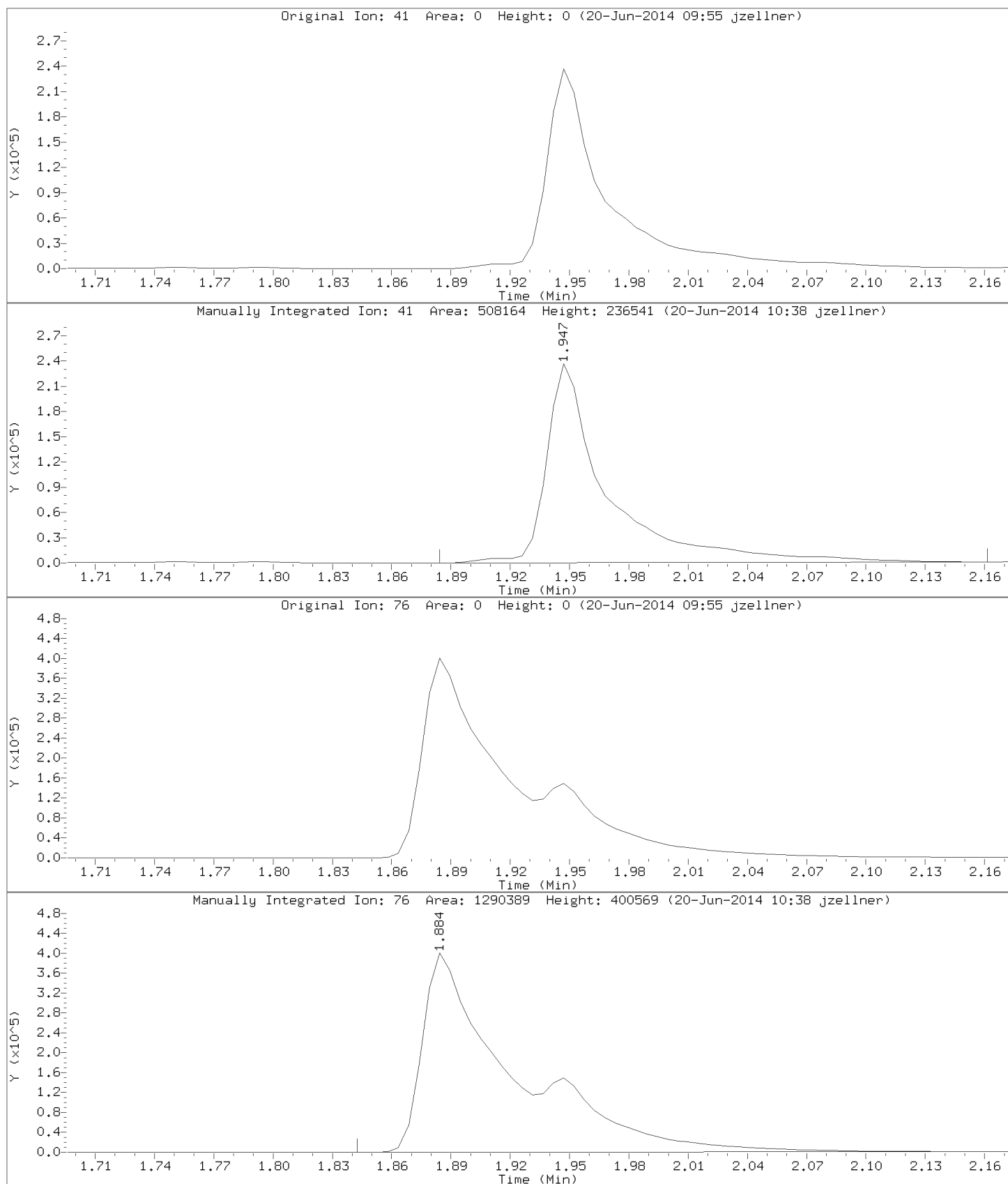
Instrument: 50mw3a.1
Operator: JIZ
Column diameter: 0.18

\\192.168.50.6\chem\50mw3a.1\3061914cal.1\308cal.1.d



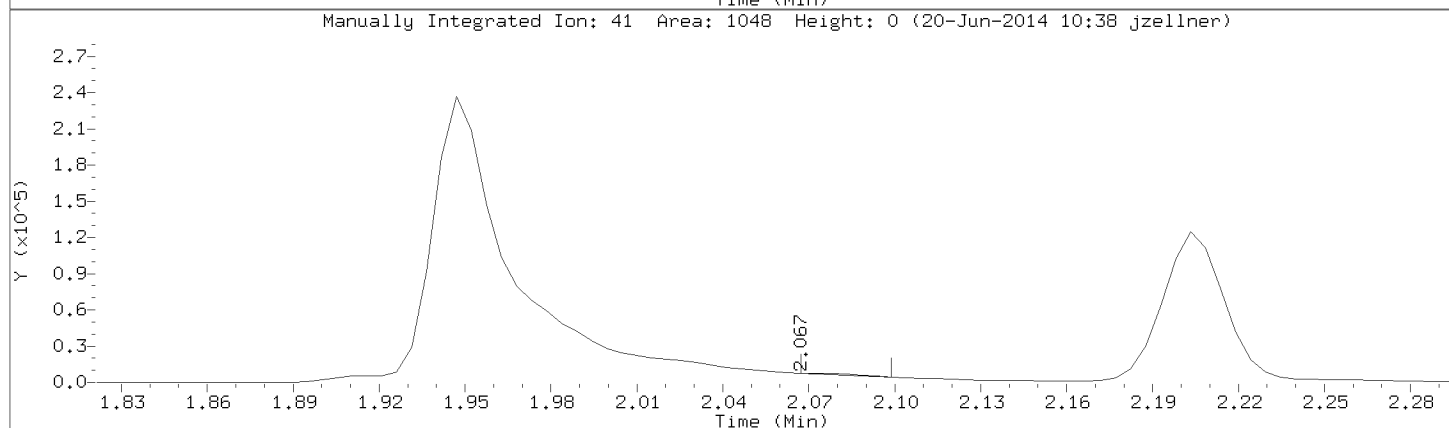
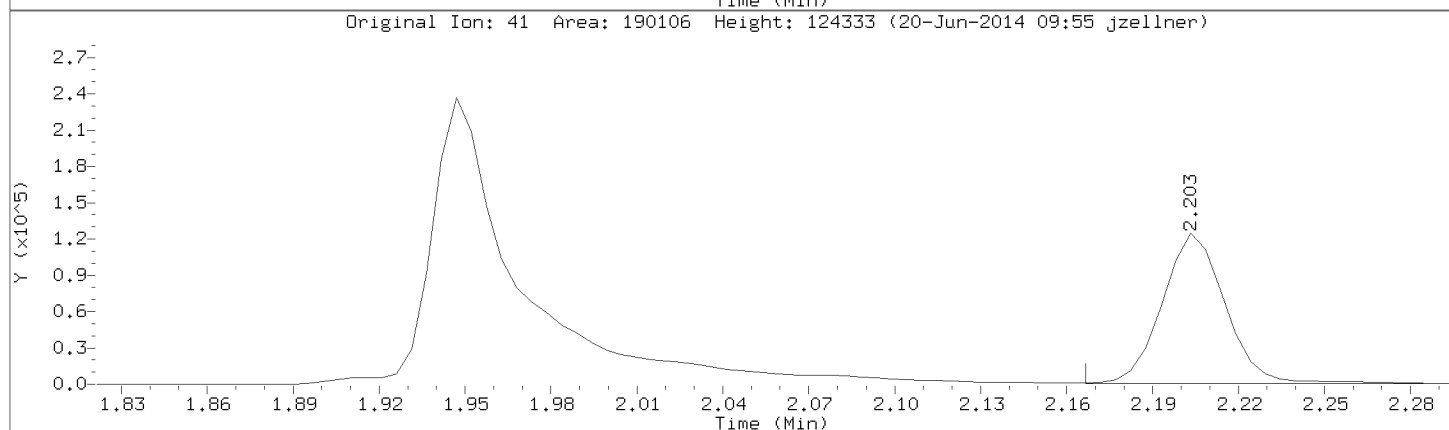
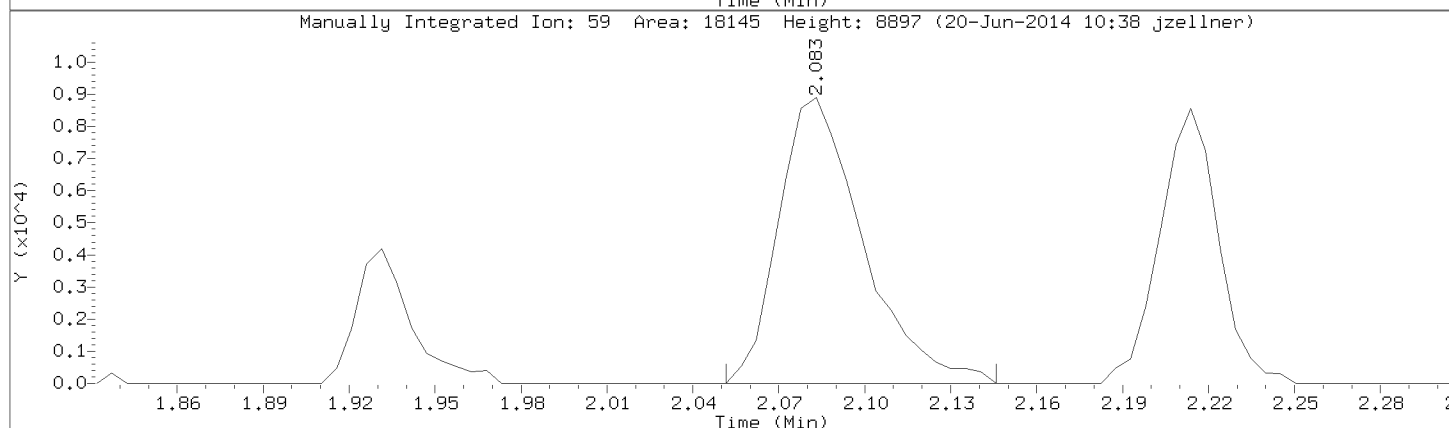
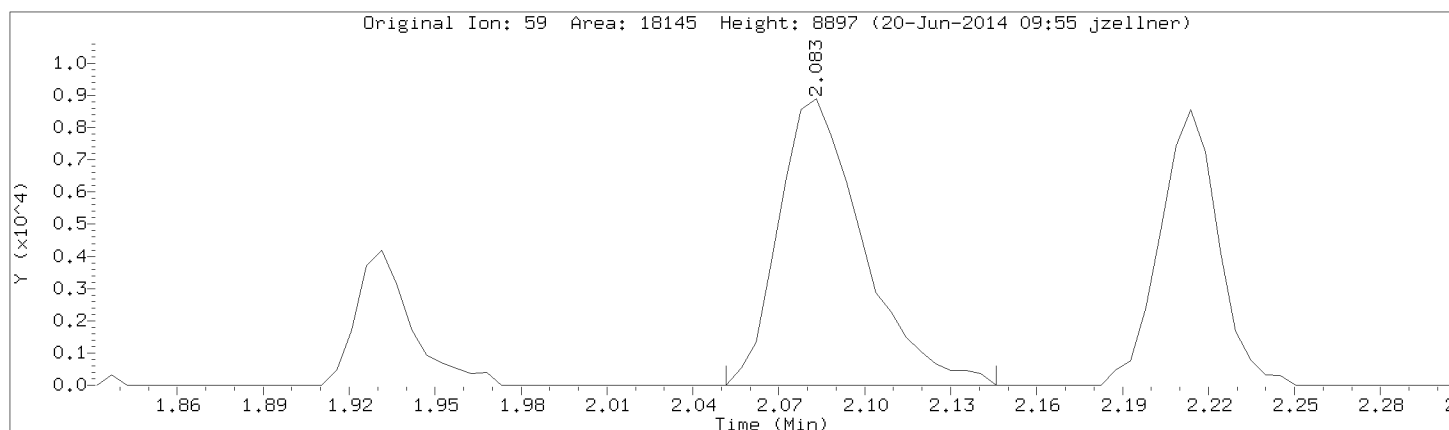
Data File: \\192.168.50.6\chem\50mv3a.i\a061914cal.b/a08cal.d
Injection Date: 19-JUN-2014 18:33
Instrument: 50mv3a.i
Lab Sample ID: 8260-CAL8,71104:0

Compound: allyl chloride
CAS Number: 107-05-1



Data File: \\192.168.50.6\chem\50mv3a.i\061914cal.b\08cal.d
Injection Date: 19-JUN-2014 18:33
Instrument: 50mv3a.i
Lab Sample ID: 8260-CAL8,71104:0

Compound: tert-Butyl Alcohol
CAS Number: 75-65-0



Pace Analytical Services, Inc.

Data file : \\192.168.50.6\chem\50mv4b.i\b062514cal.b\b02.d
 Lab Smp Id: 8260-CAL1 Client Smp ID: 8260-CAL1
 Inj Date : 25-JUN-2014 16:12
 Operator : rsw Inst ID: 50mv4b.i
 Smp Info : 8260-call,71410:0
 Misc Info : 66151
 Comment :
 Method : \\192.168.50.6\chem\50mv4b.i\b062514cal.b\ -b8260_a_b.m
 Meth Date : 26-Jun-2014 12:22 rwrede Quant Type: ISTD
 Cal Date : 23-JUN-2014 22:07 Cal File: d01cal6.d
 Als bottle: 6 Calibration Sample, Level: 1
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: all.sub
 Target Version: 4.14

Concentration Formula: Amt * DF * Uf/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT	SIG	AMOUNTS					REVIEW C	
			MASS	RT	EXP RT	REL RT	RESPONSE		CAL-AMT (ppb)
1 Dichlorodifluoromethane	85		1.063	1.057	(0.206)	3858	0.50000	0.409 (M)	LT
2 Chloromethane	50		1.192	1.192	(0.231)	6479	0.50000	0.406	
3 Vinyl Chloride	62		1.227	1.227	(0.238)	4903	0.50000	0.444 (QM)	LT
4 Bromomethane	94		1.422	1.422	(0.275)	1403	0.50000	0.428 (Q)	
5 Chloroethane	64		1.486	1.480	(0.288)	3495	0.50000	0.538 (M)	BA
6 Trichlorofluoromethane	101		1.639	1.639	(0.317)	4607	0.50000	0.403	
7 Diethyl ether	74		1.833	1.833	(0.355)	1502	0.50000	0.438 (Q)	
8 1,2-dichlorotrifluoroethane	67		1.845	1.839	(0.357)	4528	0.50000	0.539	
9 Acrolein	56		1.922	1.922	(0.372)	16361	10.00000	9.58	
10 1,1,2trichlorotrifluoroethane	101		1.998	1.992	(0.387)	3337	0.50000	0.510 (Q)	
11 1,1-Dichloroethene	96		1.992	1.986	(0.385)	3074	0.50000	0.504	
12 Acetone	43		2.039	2.045	(0.395)	13534	2.50000	3.56 (M)	LT
13 Iodomethane	142		2.098	2.098	(0.406)	1756	1.00000	6.22 (M)	LT
14 Carbon Disulfide	76		2.145	2.145	(0.415)	17350	1.00000	1.09	
15 Acetonitrile	39		2.263	2.269	(0.438)	9857	0.50000	0.522 (M)	NI
16 allyl chloride	41		2.263	2.269	(0.438)	13755	1.00000	0.919	
17 Methyl Acetate	43		2.298	2.298	(0.445)	4529	0.50000	0.554	
18 Methylene Chloride	84		2.369	2.369	(0.458)	16481	0.50000	0.129 (M)	NI
19 tert-Butyl Alcohol	59		2.539	2.527	(0.491)	310	1.00000	(QM)	LT
20 Acrylonitrile	53		2.598	2.604	(0.503)	35661	10.00000	10.0	
21 1,2-Dichloroethene (trans)	96		2.604	2.616	(0.504)	3179	0.50000	0.500	
22 Methyl-tert-butyl ether	73		2.621	2.627	(0.507)	12747	1.00000	1.02 (M)	LT
23 n-Hexane	57		2.880	2.886	(0.557)	7771	0.50000	0.566	

Compounds	QUANT	SIG						AMOUNTS		REVIEW C
			MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ppb)	ON-COL (ppb)	
24 1,1-Dichloroethane	63		3.033	3.039	(0.587)	7611	0.50000	0.549		
25 Vinyl Acetate	43		3.127	3.127	(0.605)	28581	2.00000	1.43		
26 chloroprene	53		3.127	3.139	(0.605)	6381	0.50000	0.468		
27 2,2-Dichloropropane	77		3.745	3.739	(0.725)	1810	0.50000	4.66 (M)	LT	
28 1,2-Dichloroethene (cis)	96		3.751	3.757	(0.726)	3773	0.50000	0.499		
29 2-Butanone	43		3.833	3.821	(0.742)	10338	2.50000	2.43 (M)	LT	
30 Propionitrile	54		3.898	3.904	(0.754)	207	0.50000	0.180 (Q)		
31 Bromochloromethane	49		4.080	4.074	(0.789)	4513	0.50000	0.484 (M)	LT	
32 Methacrylonitrile	41		4.104	4.098	(0.794)	2816	0.50000	0.440 (Q)		
33 Tetrahydrofuran	42		4.145	4.151	(0.802)	1795	0.50000	0.529 (Q)		
34 Chloroform	83		4.215	4.210	(0.816)	6138	0.50000	0.534		
35 1,1,1-Trichloroethane	97		4.398	4.398	(0.851)	3811	0.50000	0.461 (M)	LT	
\$ 36 Dibromofluoromethane (S)	113		4.404	4.410	(0.852)	106008	50.00000	50.1		
37 Cyclohexane	56		4.445	4.451	(0.860)	7347	0.50000	0.483 (Q)		
38 Carbon Tetrachloride	117		4.592	4.592	(0.888)	2884	0.50000	0.440 (Q)		
39 1,1-Dichloropropene	75		4.592	4.604	(0.888)	3792	0.50000	0.434		
40 Benzene	78		4.839	4.839	(0.936)	14878	0.50000	0.547		
41 1,2-Dichloroethane	62		4.874	4.880	(0.943)	6076	0.50000	0.556		
42 2,2,4-Trimethylpentane	57		4.962	4.963	(0.960)	10492	0.50000	0.445		
43 Isobutyl alcohol	43		4.962	4.957	(0.960)	2340	0.50000	0.470		
* 44 Fluorobenzene	96		5.168	5.168	(1.000)	415960	50.00000			
45 Trichloroethene	95		5.562	5.563	(1.076)	2757	0.50000	0.413		
46 Methylcyclohexane	55		5.739	5.739	(1.110)	4944	0.50000	0.428 (Q)		
47 1,2-Dichloropropane	63		5.786	5.792	(1.119)	3821	0.50000	0.480 (M)	NI	
48 Dibromomethane	93		5.904	5.904	(1.142)	1858	0.50000	0.476		
49 1,4-Dioxane	88		5.992	6.015	(1.159)	193	10.00000	(Q)		
50 Methyl methacrylate	69		5.980	5.974	(1.157)	1324	0.50000	1.62 (Q)		
51 Bromodichloromethane	83		6.086	6.086	(1.178)	2913	0.50000	0.415		
52 2-Chloroethyl vinyl ether	63		6.421	6.415	(0.816)	2950	1.00000	4.05		
53 cis-1,3-Dichloropropene	75		6.521	6.527	(0.828)	2618	0.50000	2.86		
54 4-Methyl-2-Pentanone	43		6.704	6.704	(0.851)	15631	2.50000	1.97		
\$ 55 Toluene-d8	98		6.762	6.768	(0.859)	412258	50.00000	50.6		
56 Toluene	91		6.827	6.827	(0.867)	16616	0.50000	0.575		
57 trans-1,3-Dichloropropene	75		7.045	7.051	(0.895)	1156	0.50000	3.99		
58 Ethyl Methacrylate	69		7.156	7.157	(0.909)	1899	0.50000	1.96 (M)	NI	
59 1,1,2-Trichloroethane	83		7.198	7.192	(0.914)	2389	0.50000	0.493		
60 Tetrachloroethene	166		7.286	7.280	(0.925)	4309	0.50000	0.559		
61 1,3-Dichloropropane	76		7.315	7.315	(0.929)	5191	0.50000	0.535		
62 2-Hexanone	43		7.409	7.409	(0.941)	10124	2.50000	1.94		
63 Dibromochloromethane	129		7.480	7.480	(0.950)	1874	0.50000	3.04 (Q)		
64 1,2-Dibromoethane	107		7.545	7.551	(0.958)	2417	0.50000	0.426		
* 65 Chlorobenzene-d5	117		7.874	7.874	(1.000)	322930	50.00000			
66 Chlorobenzene	112		7.892	7.892	(1.002)	11764	0.50000	0.583 (Q)		
67 1,1,1,2-Tetrachloroethane	131		7.951	7.951	(1.010)	2227	0.50000	1.98		
68 Ethylbenzene	106		7.974	7.974	(1.013)	4200	0.50000	0.431		
69 m&p-Xylene	106		8.051	8.051	(1.022)	8781	1.00000	0.784		
70 o-Xylene	106		8.298	8.298	(1.054)	3941	0.50000	0.373		
71 Styrene	104		8.309	8.309	(1.055)	4823	0.50000	0.868		
72 Bromoform	173		8.415	8.415	(0.906)	972	0.50000	3.36 (M)	NI	
73 Isopropylbenzene	105		8.527	8.527	(1.083)	9120	0.50000			
\$ 74 4-Bromofluorobenzene	95		8.615	8.615	(1.094)	125681	50.00000	46.5		
75 Bromobenzene	77		8.698	8.698	(1.105)	5147	0.50000	0.508		
76 1,1,2,2-Tetrachloroethane	83		8.709	8.709	(0.938)	3613	0.50000	0.590 (M)	NI	
77 1,2,3-Trichloropropane	110		8.727	8.733	(0.940)	1195	0.50000	0.636 (Q)		

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS		REVIEW C
						CAL-AMT (ppb)	ON-COL (ppb)	
78 trans-1,4-Dichloro-2-butene	53	8.739	8.745	(1.110)	629	0.50000	2.56 (QM)	NI
79 n-Propylbenzene	91	8.768	8.768	(0.944)	10202	0.50000	0.499	
80 2-Chlorotoluene	91	8.815	8.815	(0.949)	7046	0.50000	0.470	
81 1,3,5-Trimethylbenzene	105	8.874	8.874	(0.956)	5291	0.50000	0.398	
82 4-Chlorotoluene	126	8.874	8.880	(0.956)	2363	0.50000	0.460	
83 tert-Butylbenzene	119	9.062	9.062	(0.976)	6702	0.50000	0.444	
84 1,2,4-Trimethylbenzene	105	9.086	9.092	(0.978)	4294	0.50000	0.860	
85 sec-Butylbenzene	105	9.186	9.192	(0.989)	6607	0.50000	0.418	
86 1,3-Dichlorobenzene	146	9.250	9.251	(0.996)	4289	0.50000	0.474	
87 p-Isopropyltoluene	119	9.268	9.274	(0.998)	4214	0.50000	2.76 (M)	WP
* 88 1,4-Dichlorobenzene-d4	152	9.286	9.292	(1.000)	101068	50.00000		
89 1,4-Dichlorobenzene	146	9.303	9.303	(1.002)	4844	0.50000	0.525	
90 n-Butylbenzene	91	9.503	9.509	(1.023)	3135	0.50000	3.83 (M)	NI
91 1,2-Dichlorobenzene	146	9.515	9.521	(1.025)	4725	0.50000	0.555	
92 1,2-Dibromo-3-chloropropane	155	9.962	9.974	(1.073)	106	0.50000	3.88 (QM)	WP
93 1,2,4-Trichlorobenzene	180	10.444	10.456	(1.125)	850	0.50000	5.10 (M)	NI
94 Hexachlorobutadiene	225	10.544	10.557	(1.136)	961	0.50000	0.551 (Q)	
95 Naphthalene	128	10.597	10.610	(1.141)	4378	0.50000	4.28 (M)	NI
96 1,2,3-Trichlorobenzene	180	10.739	10.756	(1.156)	1012	0.50000	4.43	
97 2-methyl-naphthalene	142	11.286	11.303	(1.215)	928	0.50000	3.82	
98 1-Methylnaphthalene	142	11.409	11.427	(2.207)	1327	0.50000	1.78	

QC Flag Legend

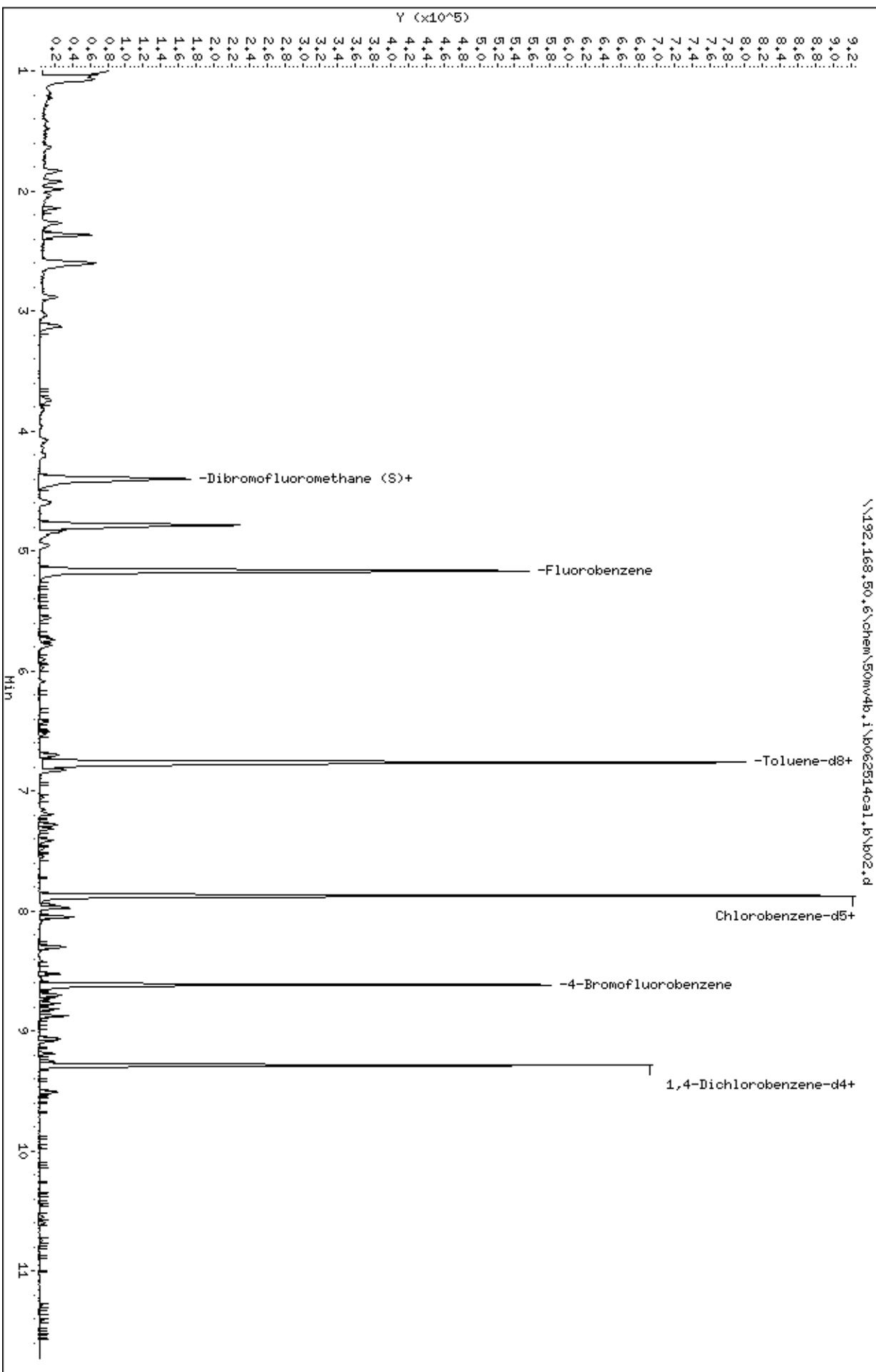
- Q - Qualifier signal failed the ratio test.
- M - Compound response manually integrated.

Review Codes Legend

- LT: Indicates that the peak in question was inappropriately integrated to an area less than what it should be (e.g., Peak area was cut).
- :
- BA: Indicates that the baseline had to be adjusted correctly by the analyst.
- NI: Indicates that the peak was not integrated at all by the computer software.
- WP: Indicates that the wrong peak was chosen by the data system.

Data File: \\192.168.50.6\chem\50mw4b.i\p062514cal.b\k02.d
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Client ID: 8260-CAL1
Sample Info: 8260-CAL1.71410:0
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50mw4b.i
Operator: rsu
Column diameter: 0.18



Data File: \\192.168.50.6\chem\50mv4b.i\b062514cal.b\b02.d

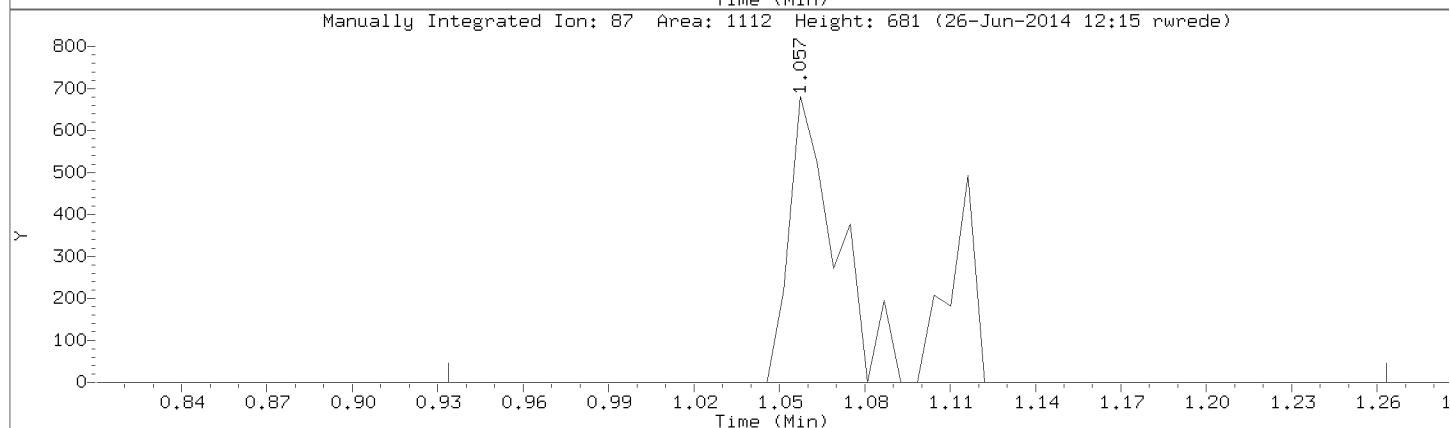
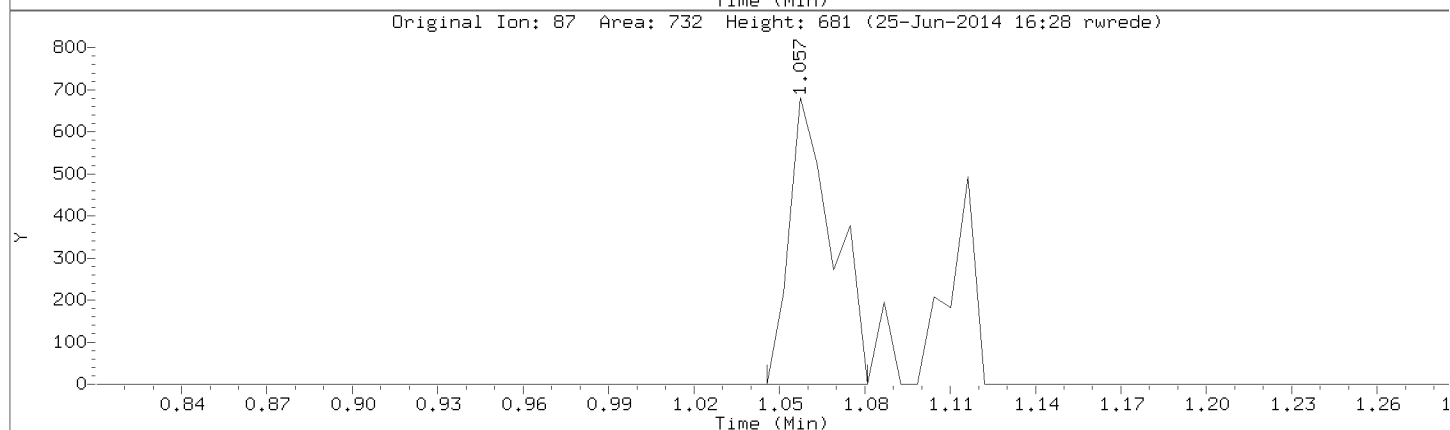
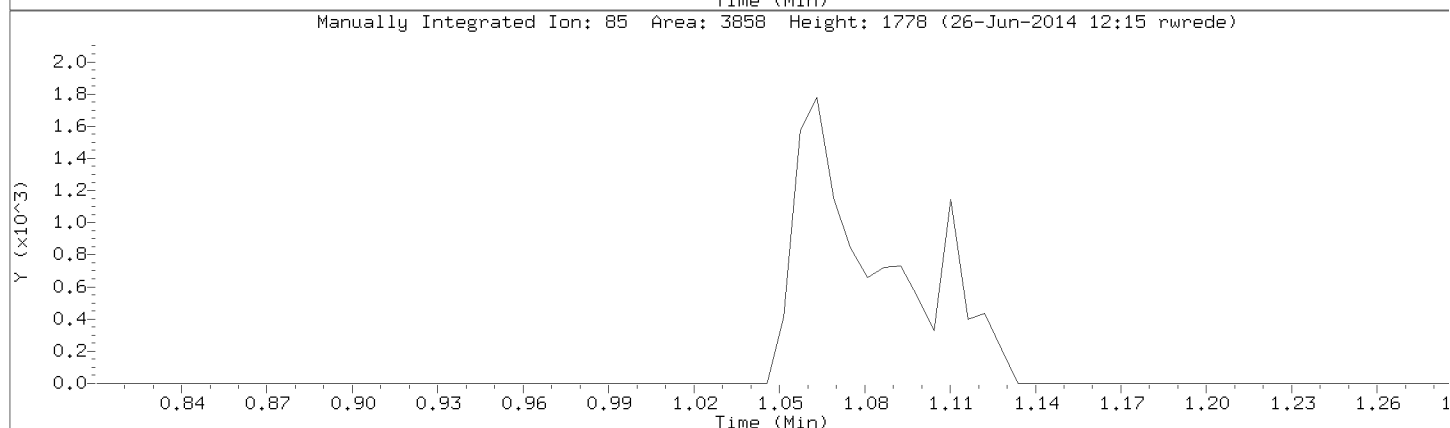
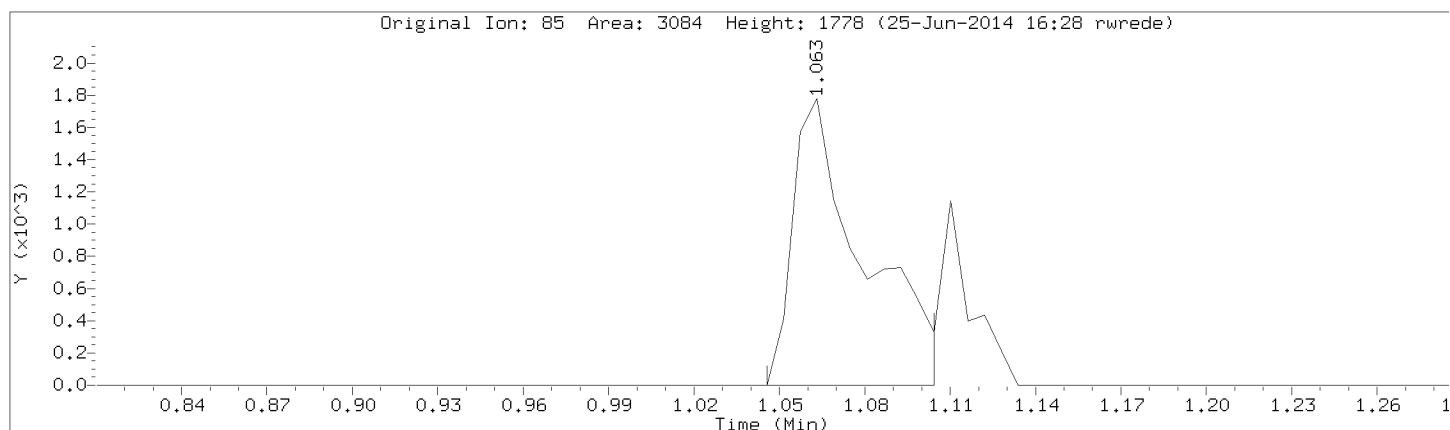
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Instrument: 50mv4b.i

Lab Sample ID: 8260-CAL1

Compound: Dichlorodifluoromethane

CAS Number: 75-71-8

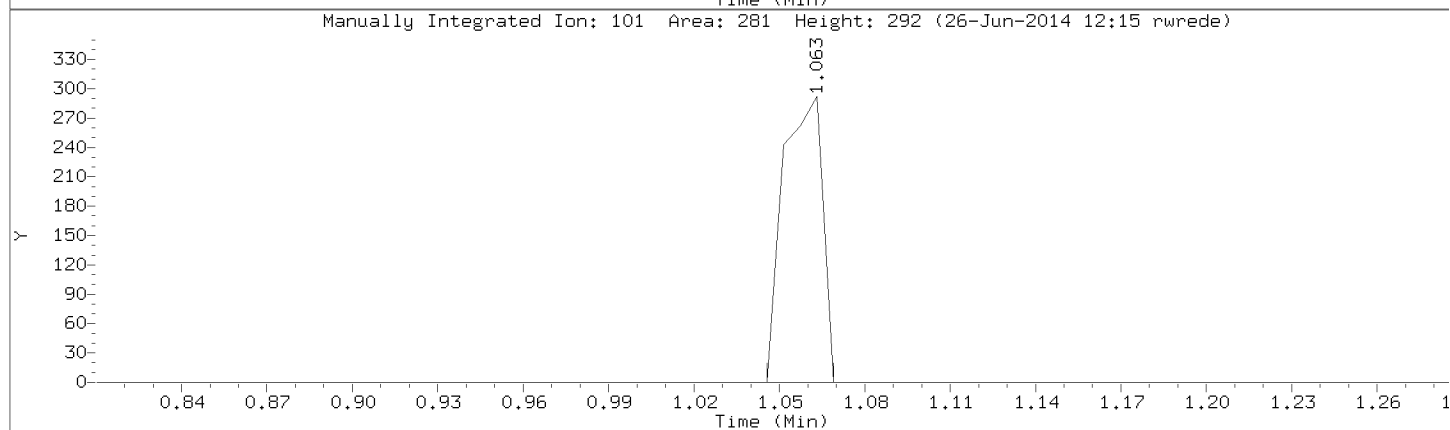
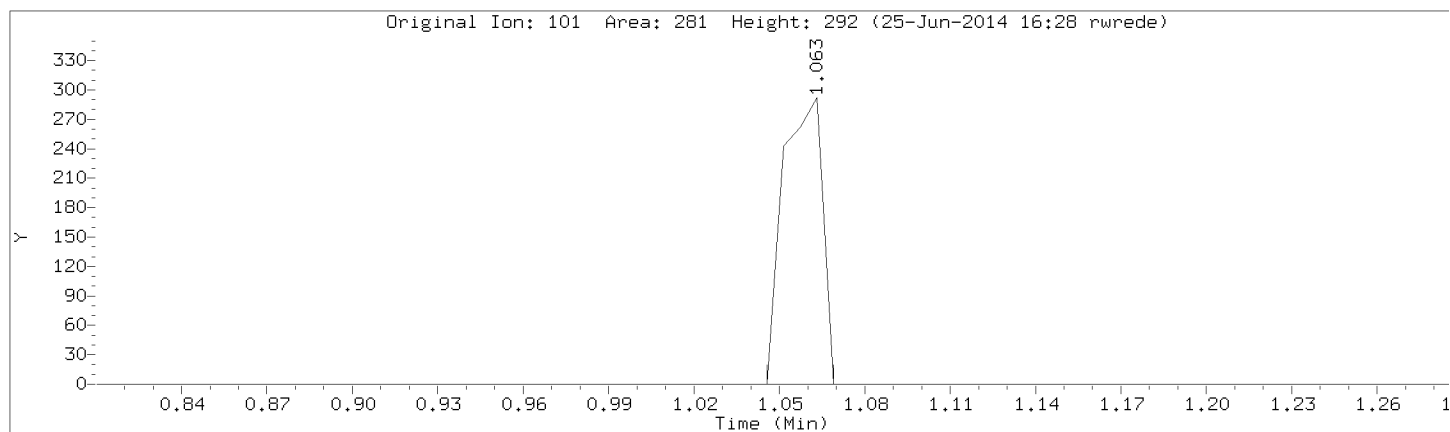


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Instrument: 50mv4b.i

Lab Sample ID: 8260-CAL1



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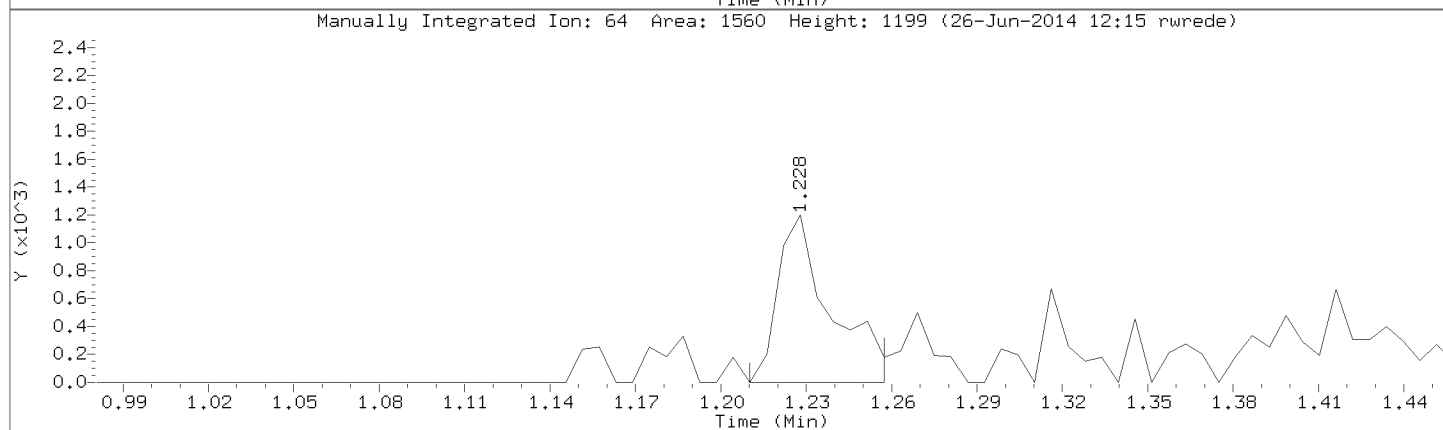
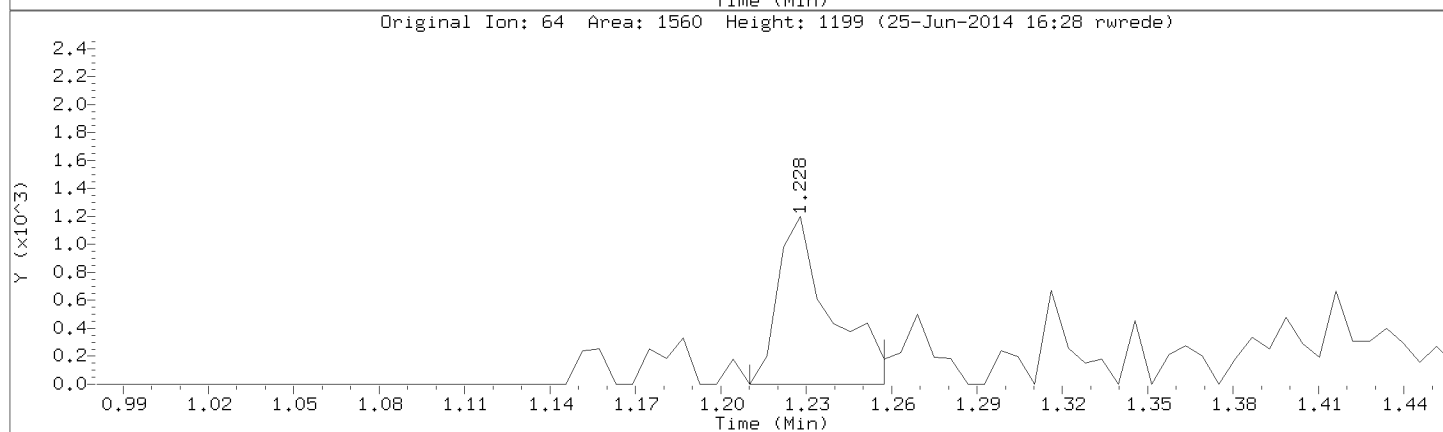
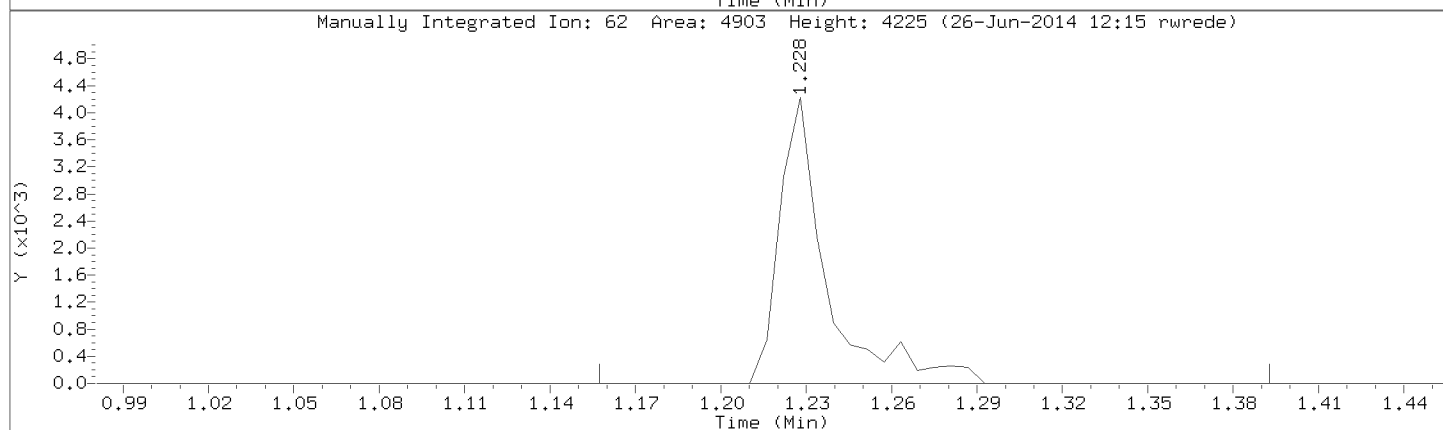
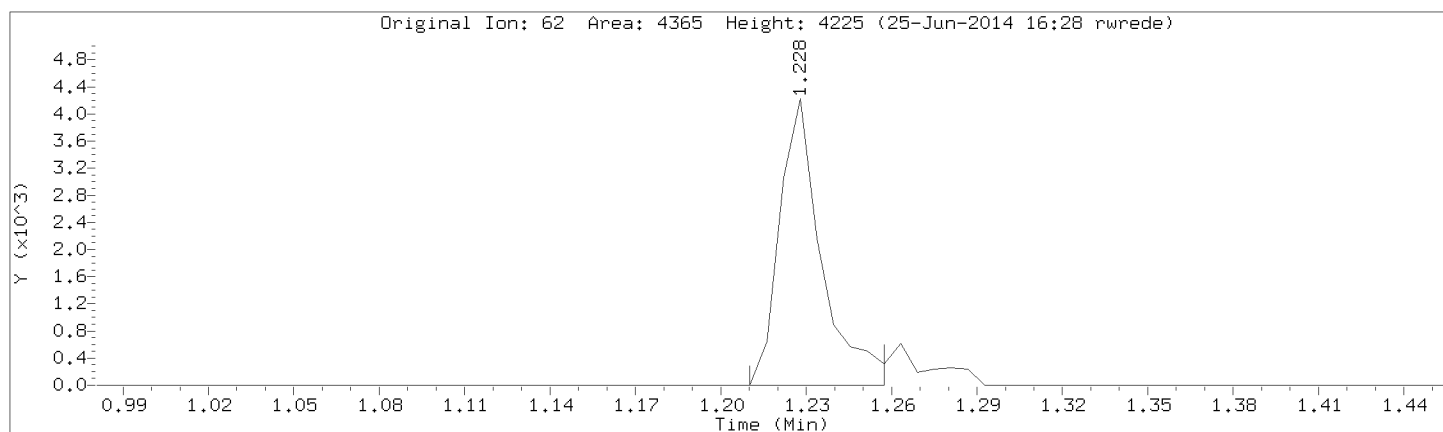
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Instrument: 50mv4b.i

Lab Sample ID: 8260-CAL1

Compound: Vinyl Chloride

CAS Number: 75-01-4



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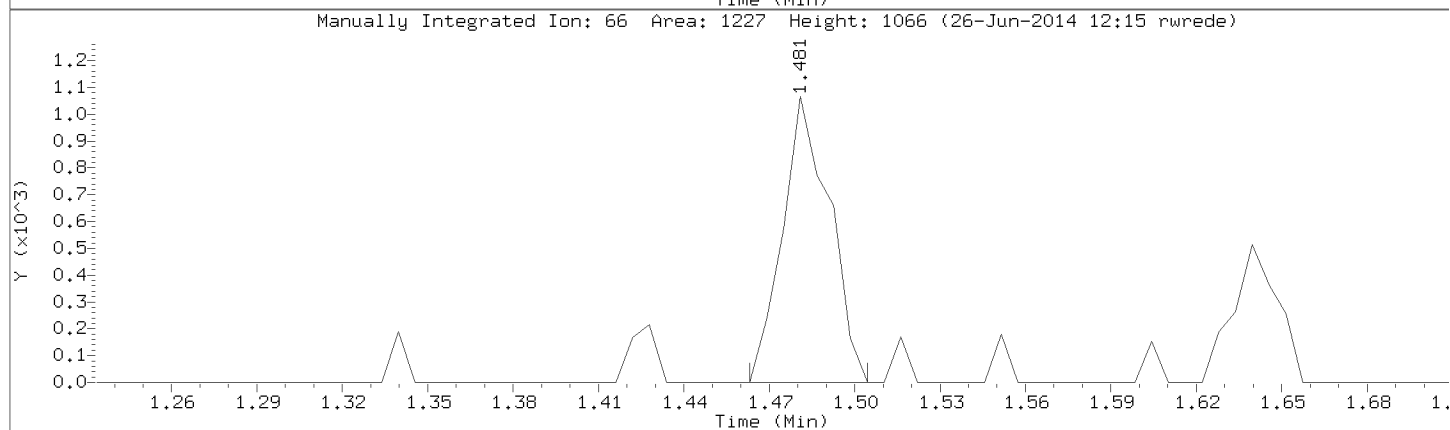
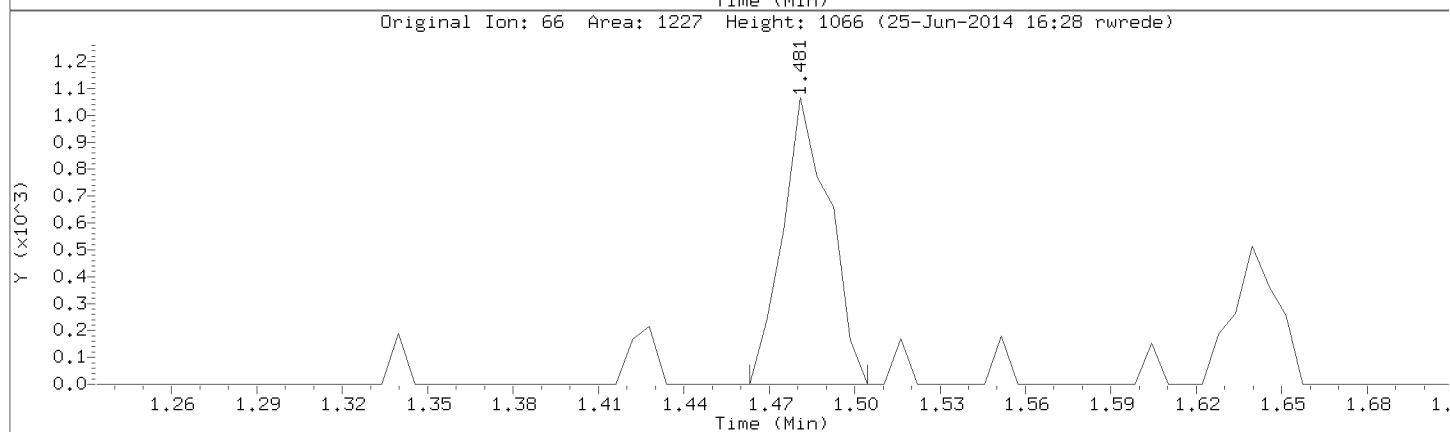
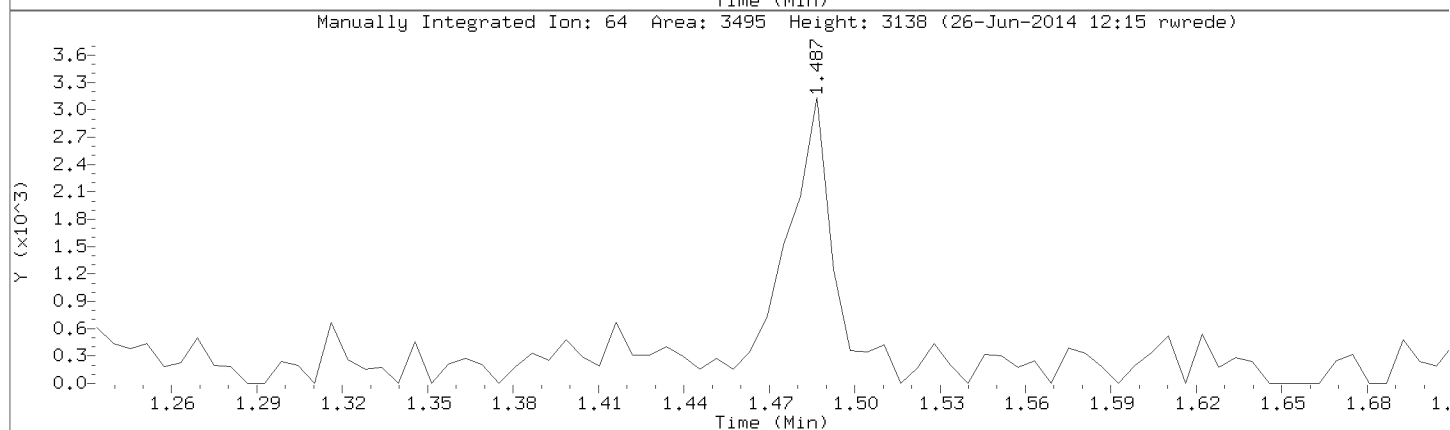
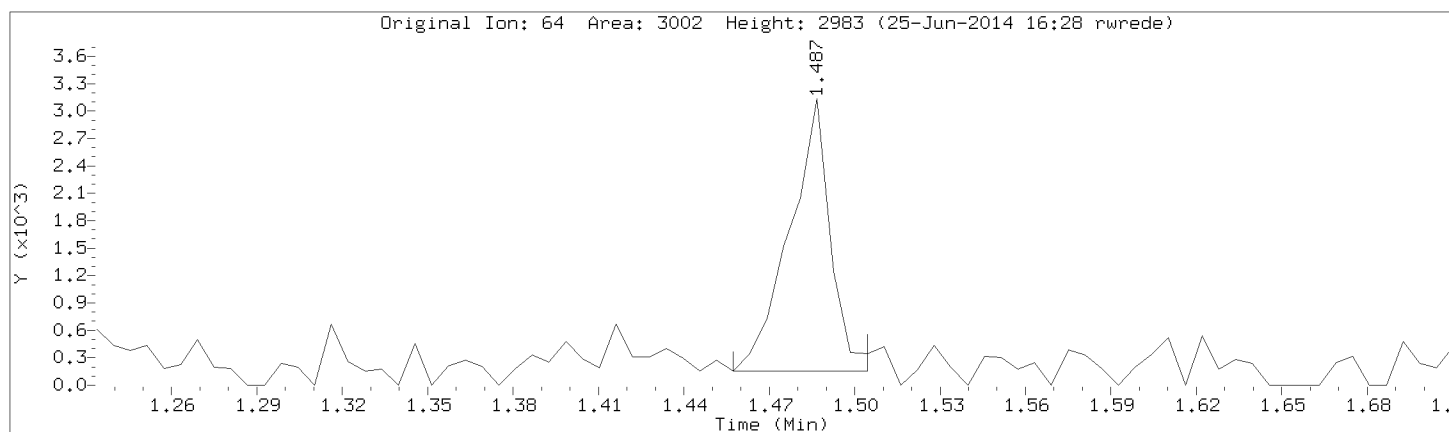
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Instrument: 50mv4b.i

Lab Sample ID: 8260-CAL1

Compound: Chloroethane

CAS Number: 75-00-3



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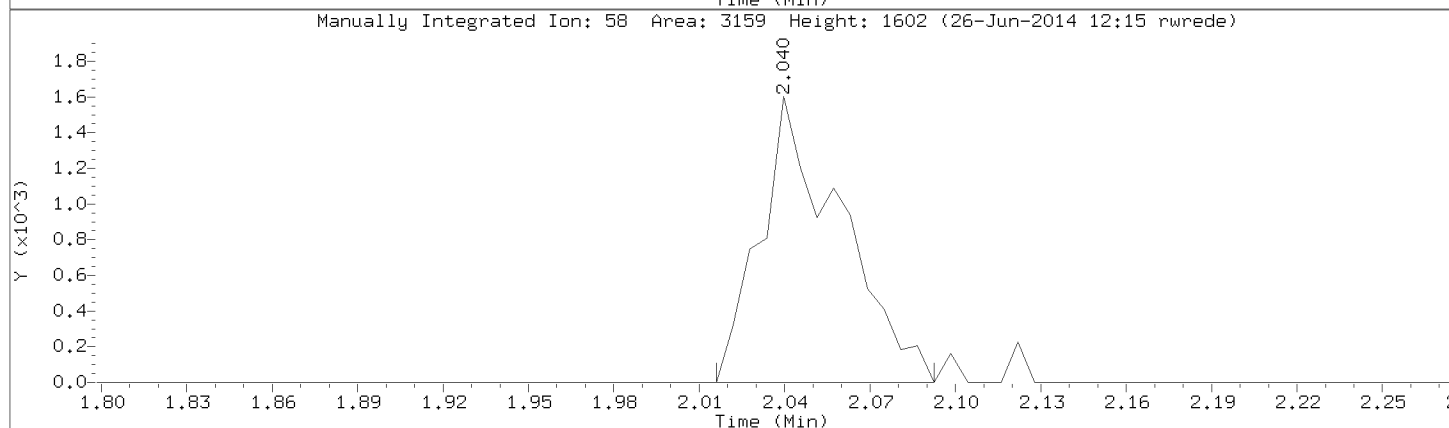
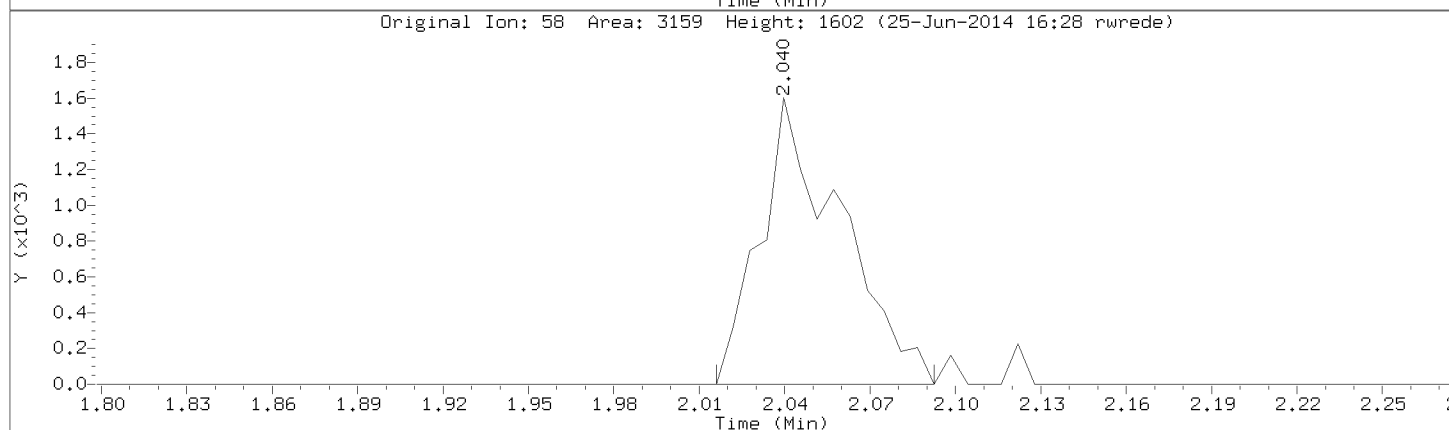
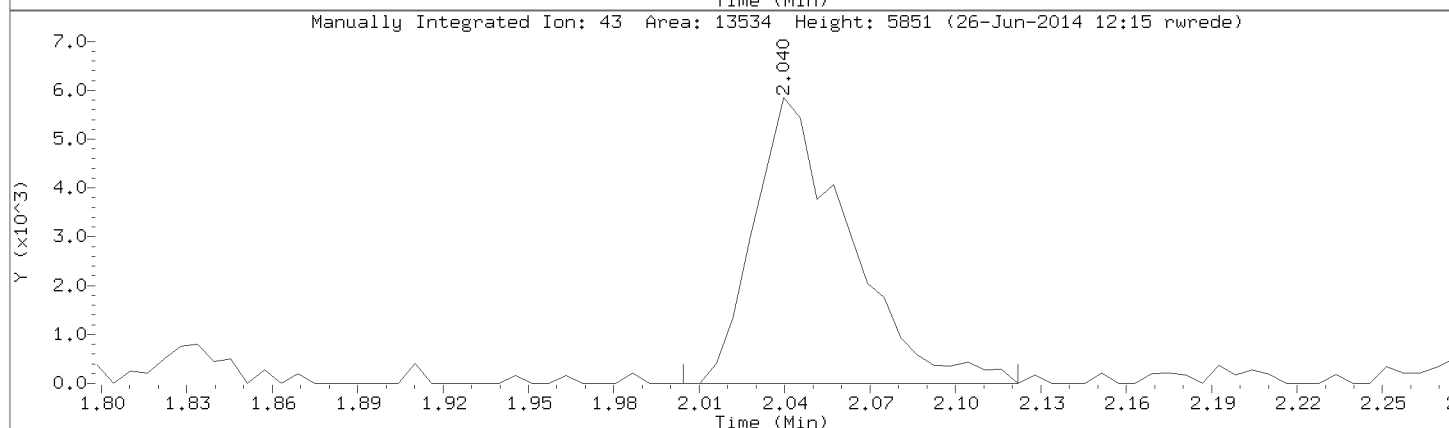
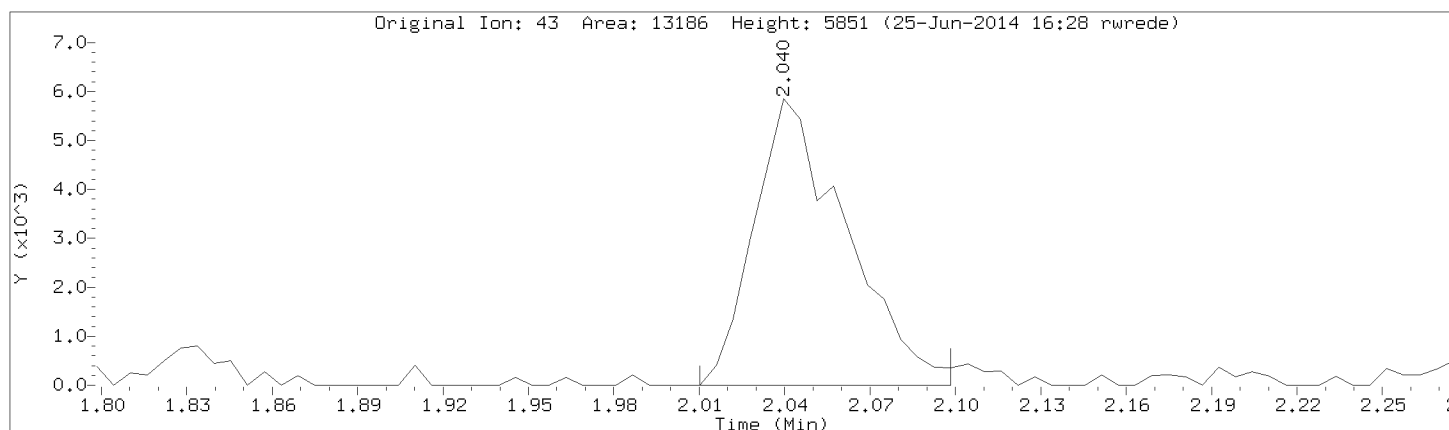
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Instrument: 50mv4b.i

Lab Sample ID: 8260-CAL1

Compound: Acetone

CAS Number: 67-64-1



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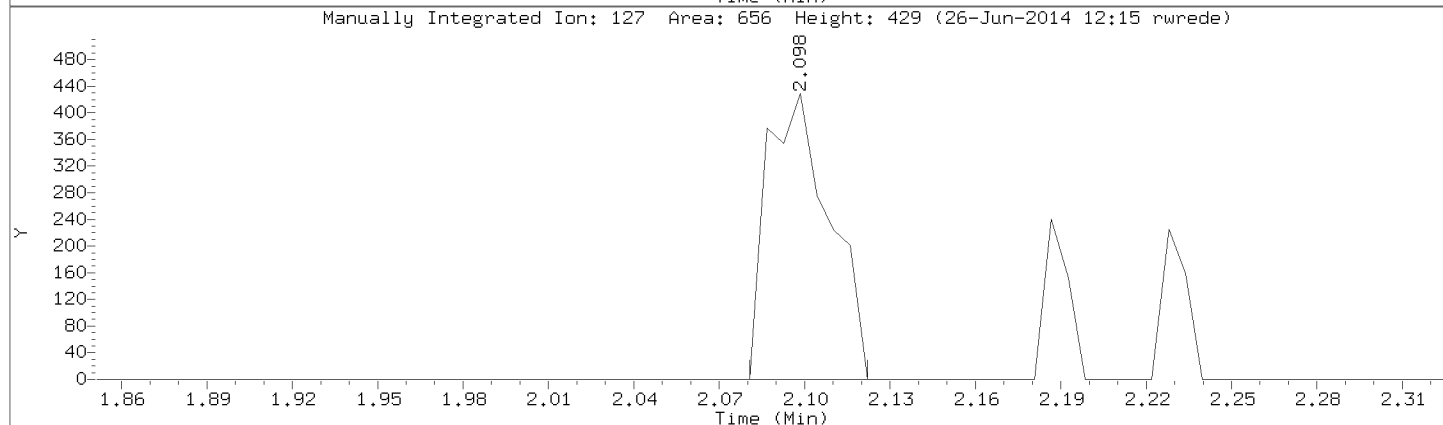
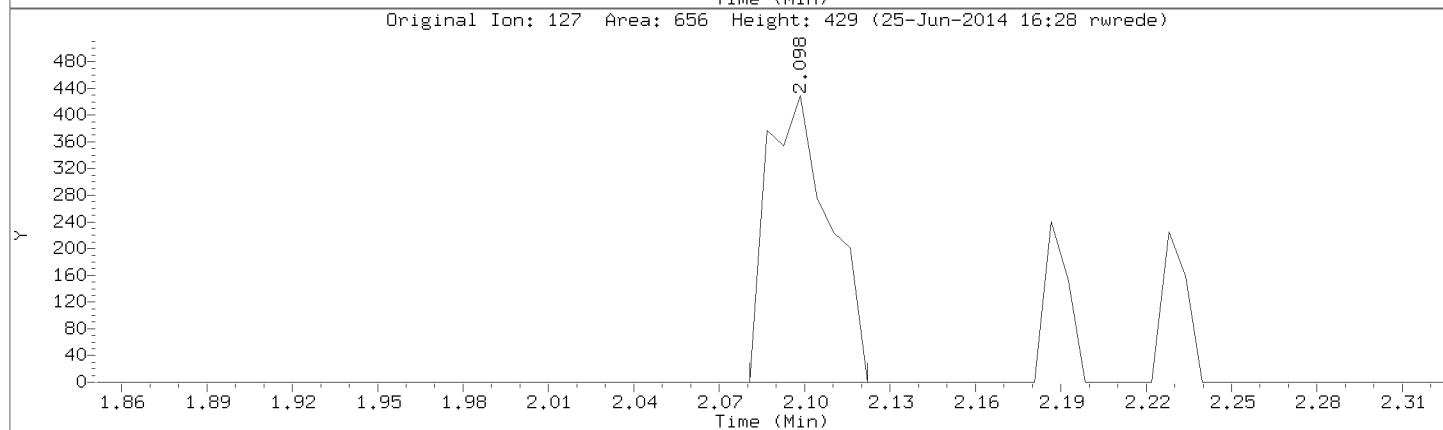
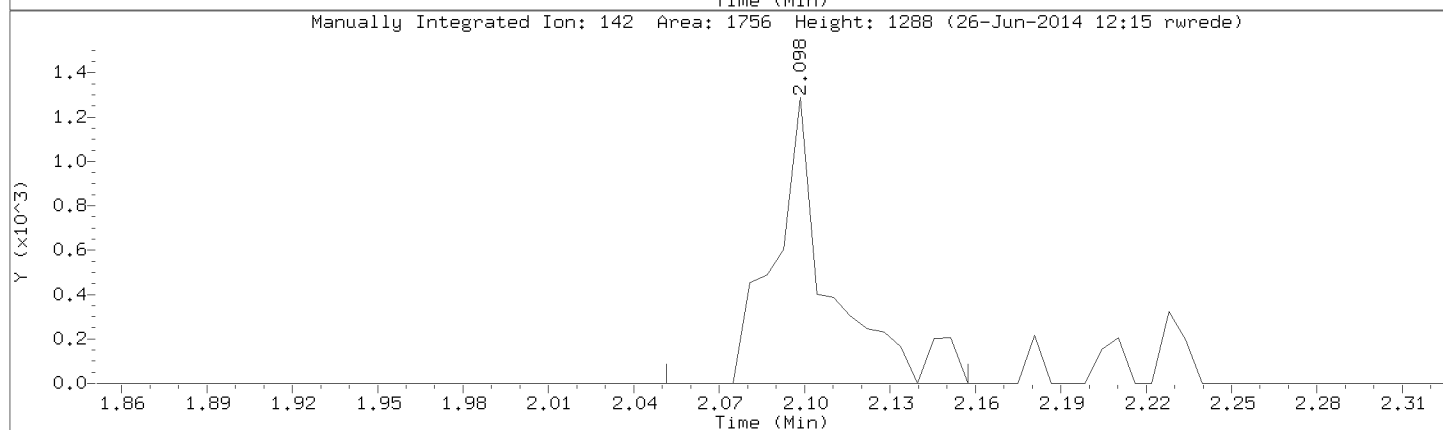
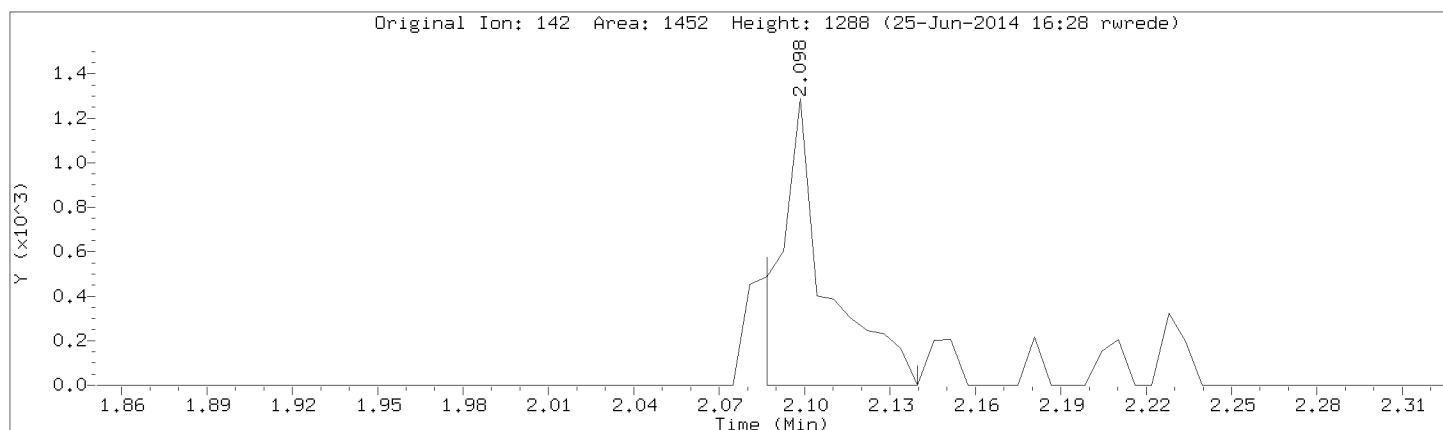
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Instrument: 50mv4b.i

Lab Sample ID: 8260-CAL1

Compound: Iodomethane

CAS Number:



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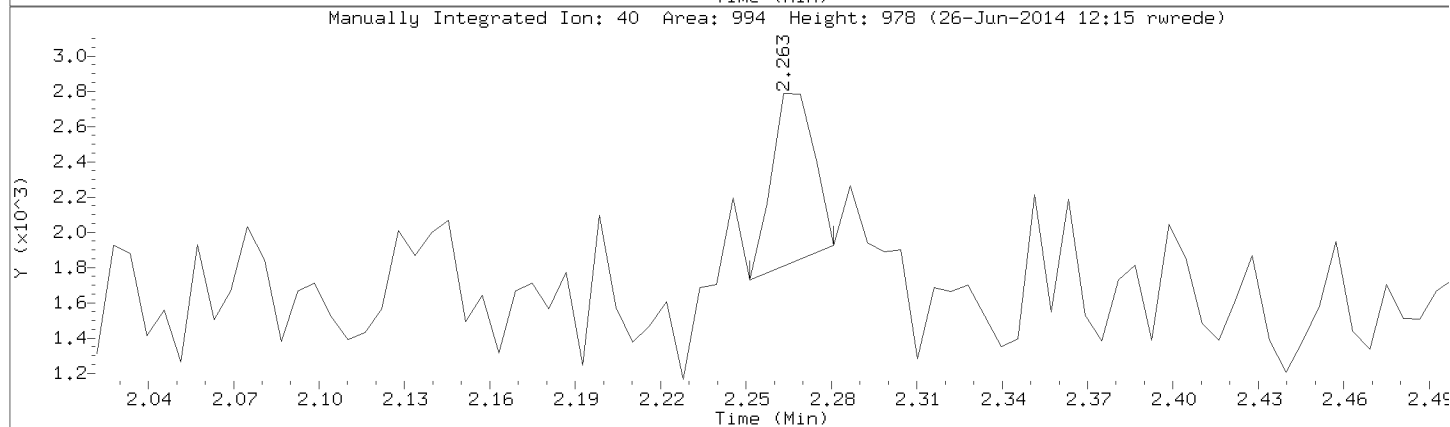
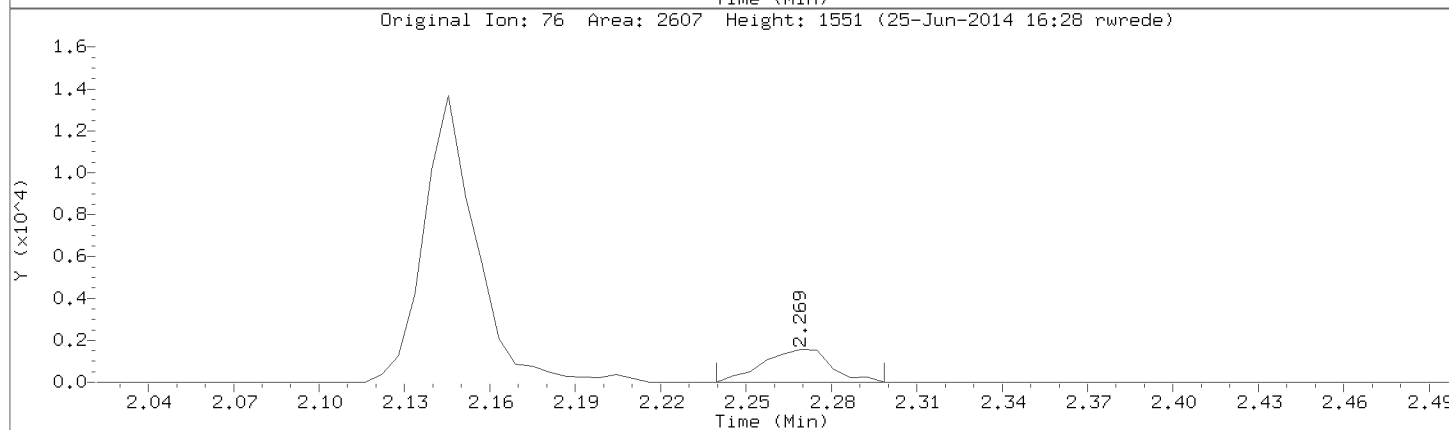
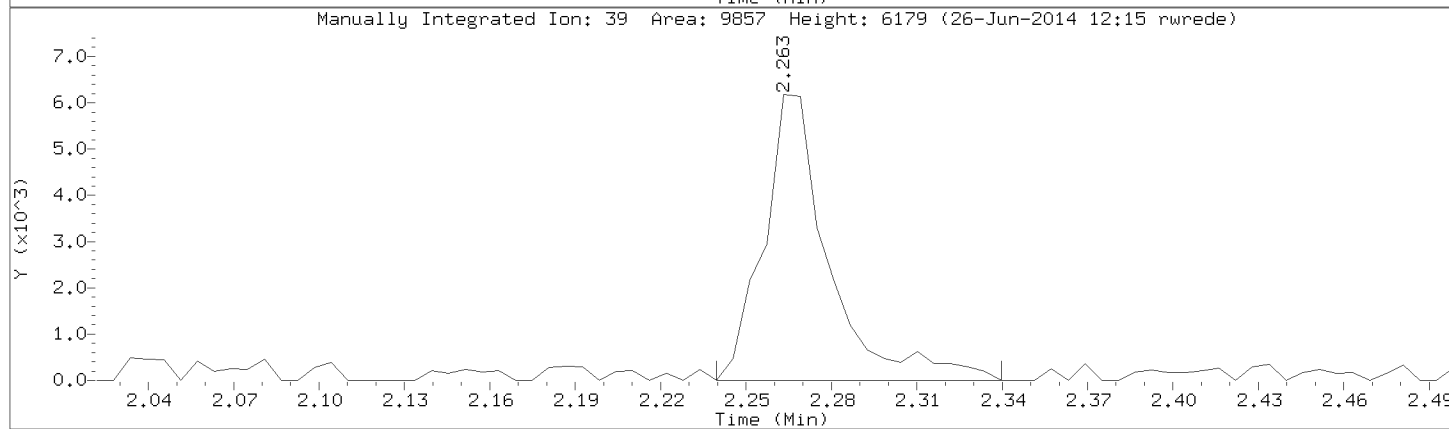
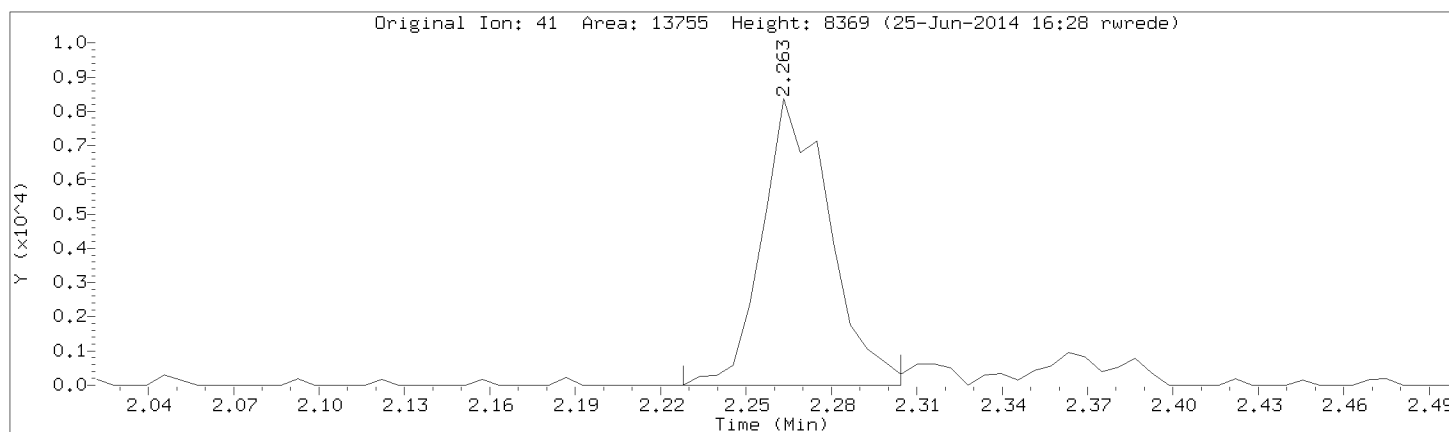
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Instrument: 50mv4b.i

Lab Sample ID: 8260-CAL1

Compound: Acetonitrile

CAS Number: 75-05-8

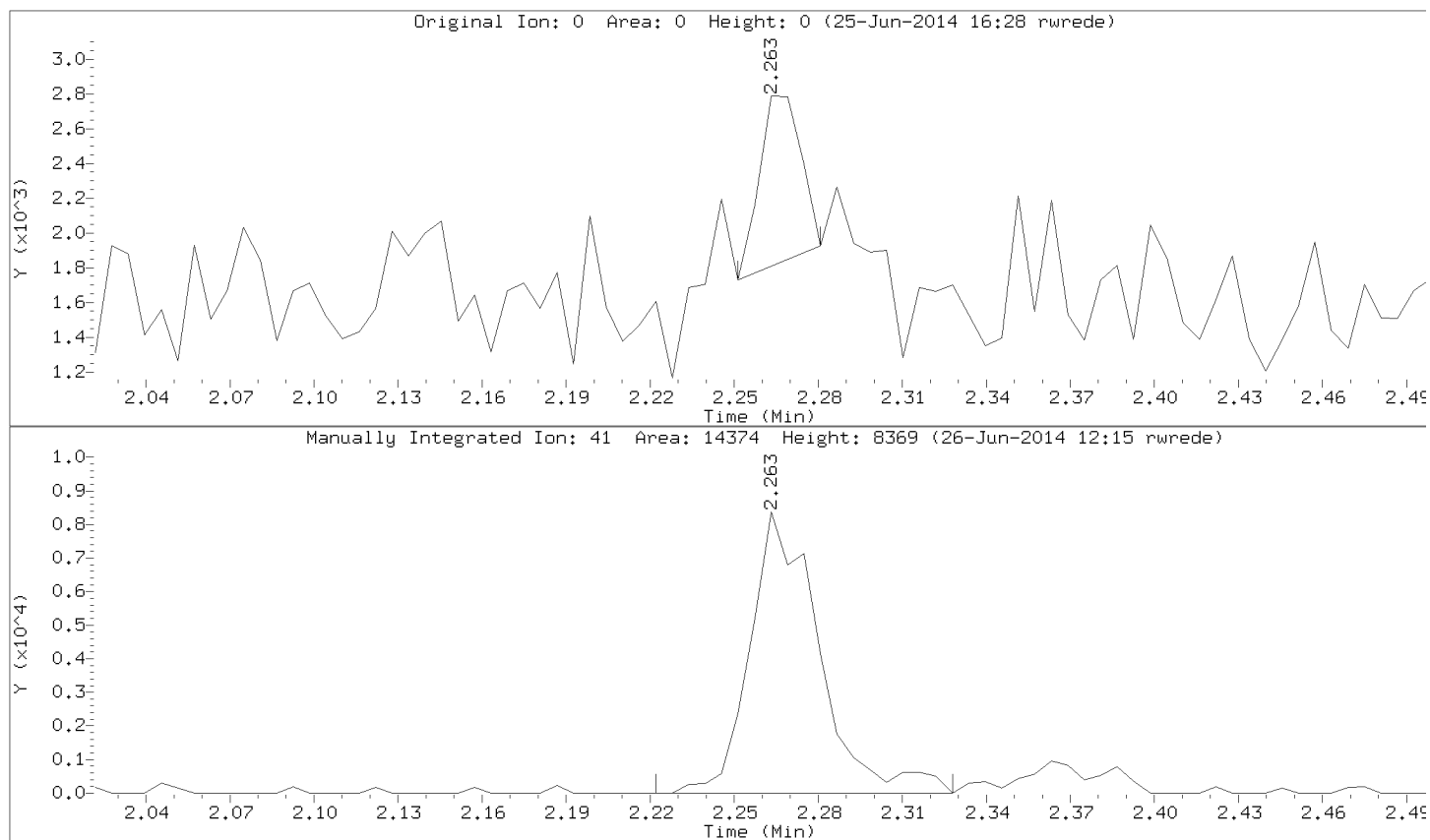


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Instrument: 50mv4b.i

Lab Sample ID: 8260-CAL1



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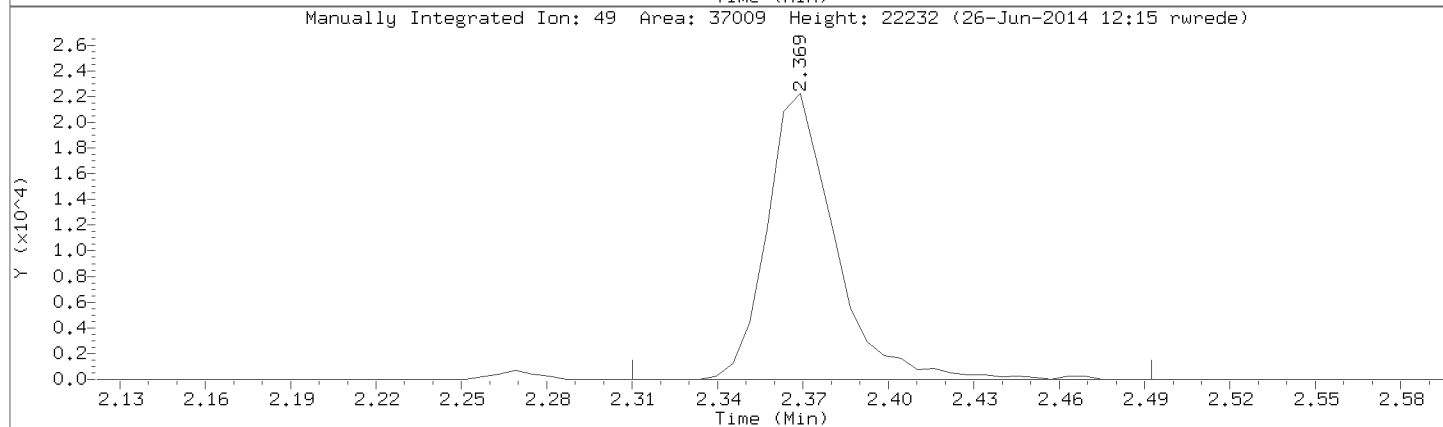
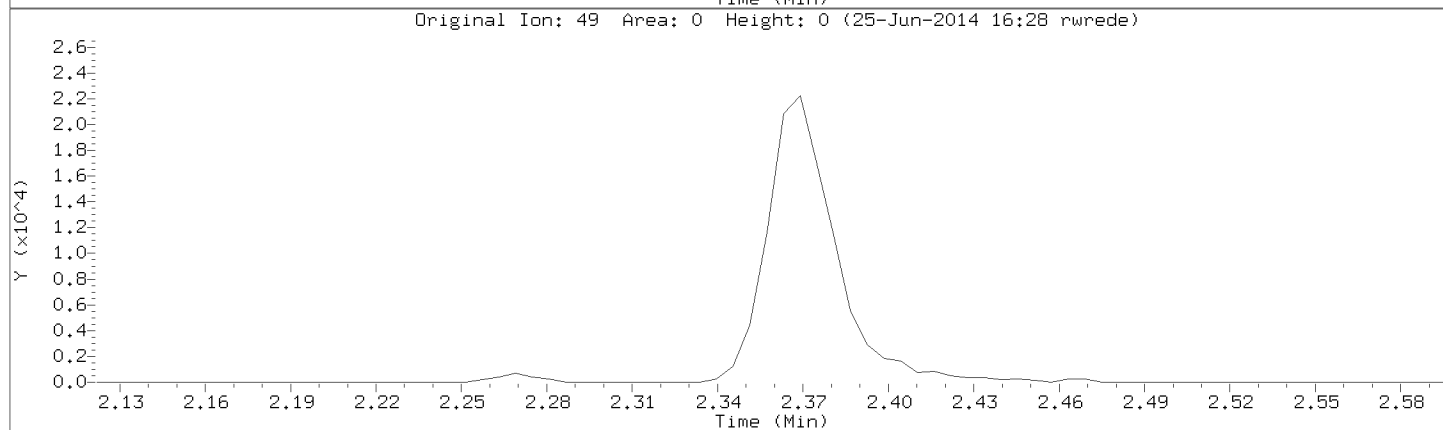
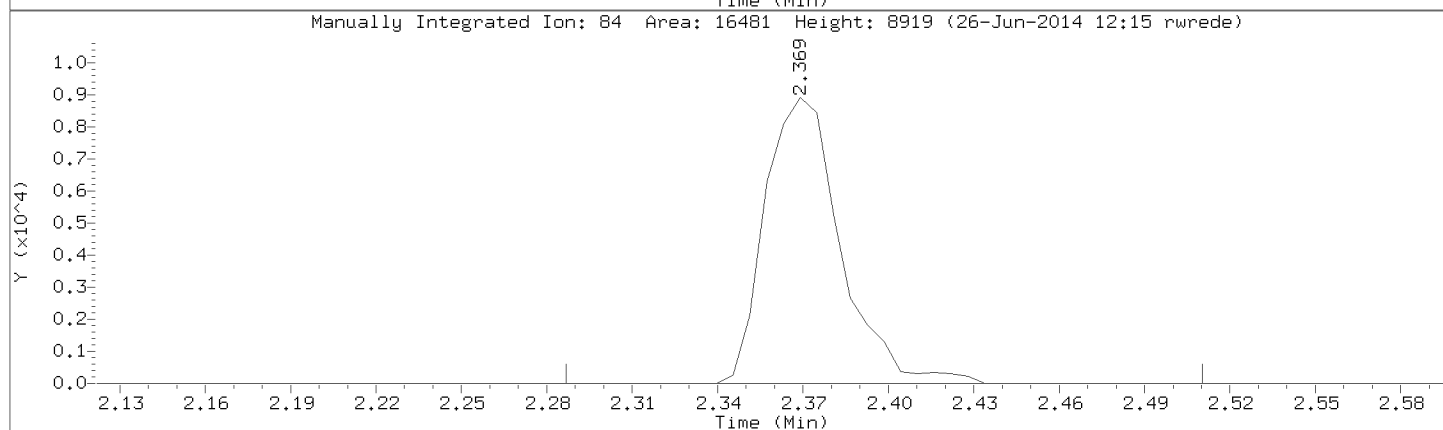
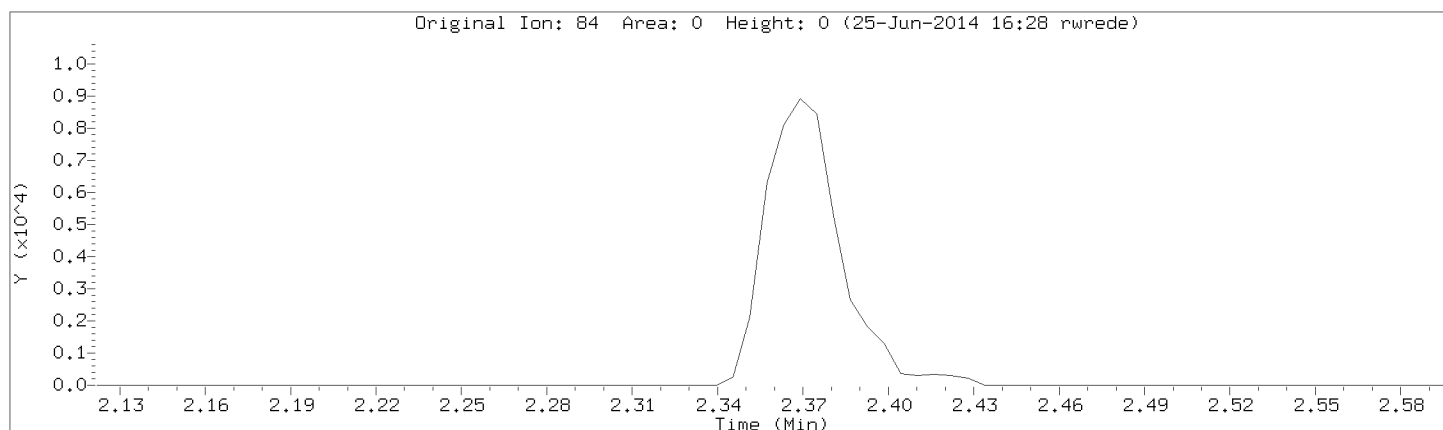
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Instrument: 50mv4b.i

Lab Sample ID: 8260-CAL1

Compound: Methylene Chloride

CAS Number: 75-09-2

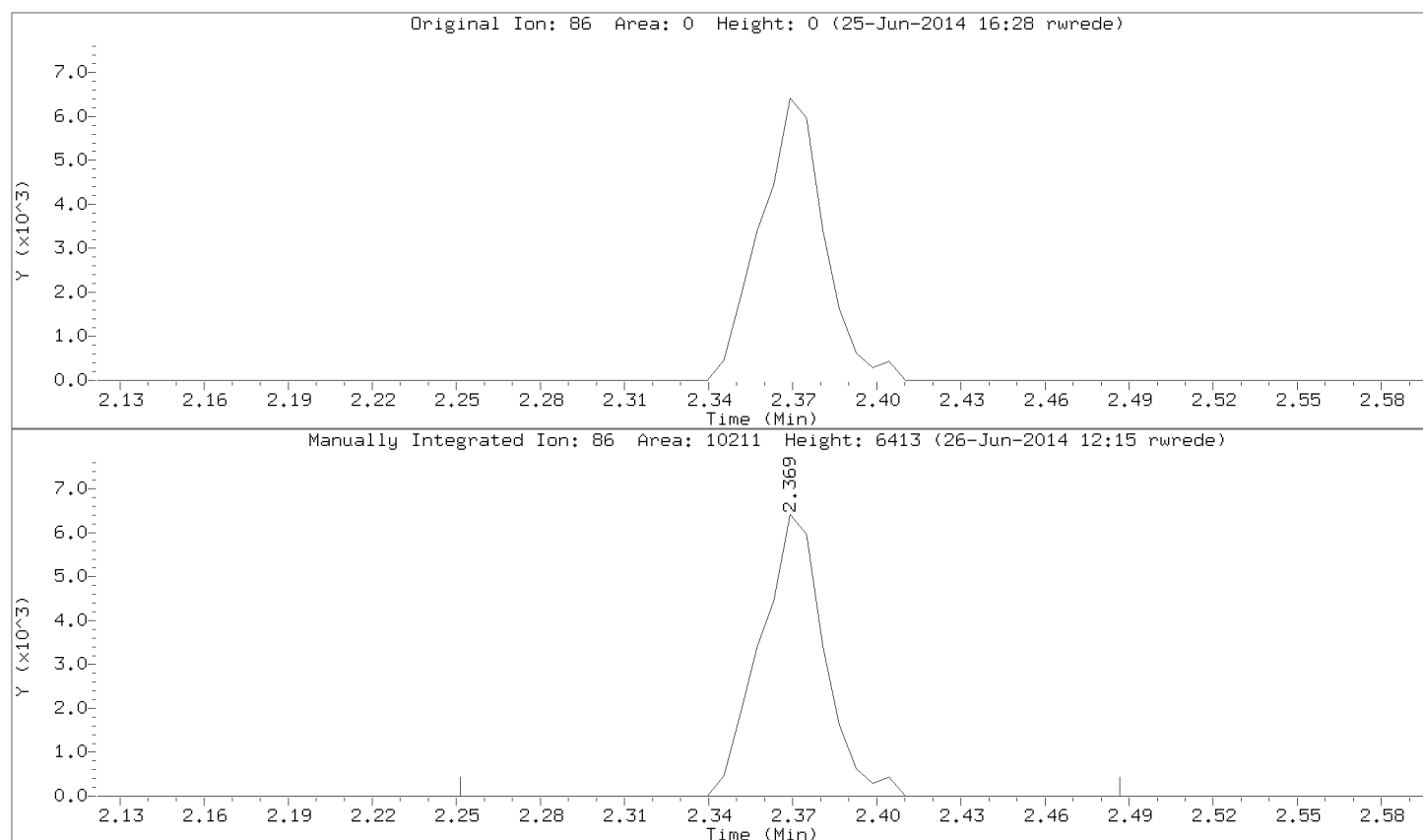


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Instrument: 50mv4b.i

Lab Sample ID: 8260-CAL1



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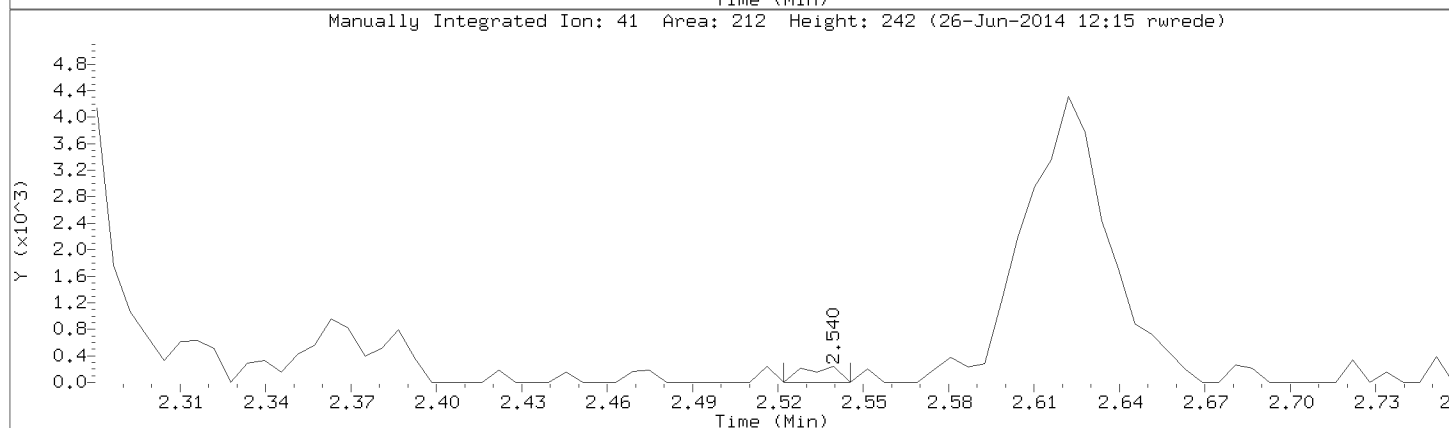
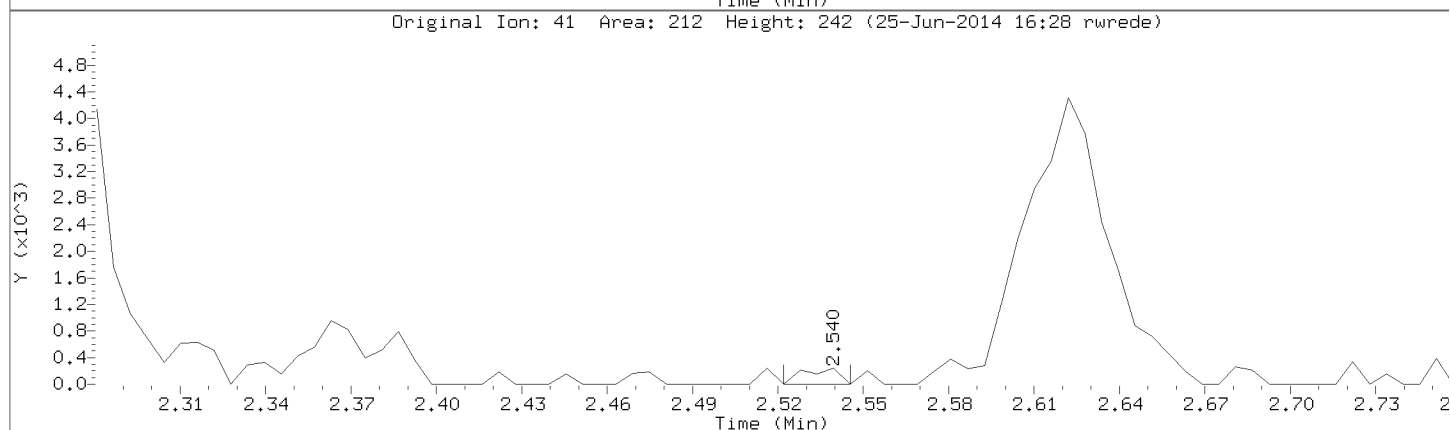
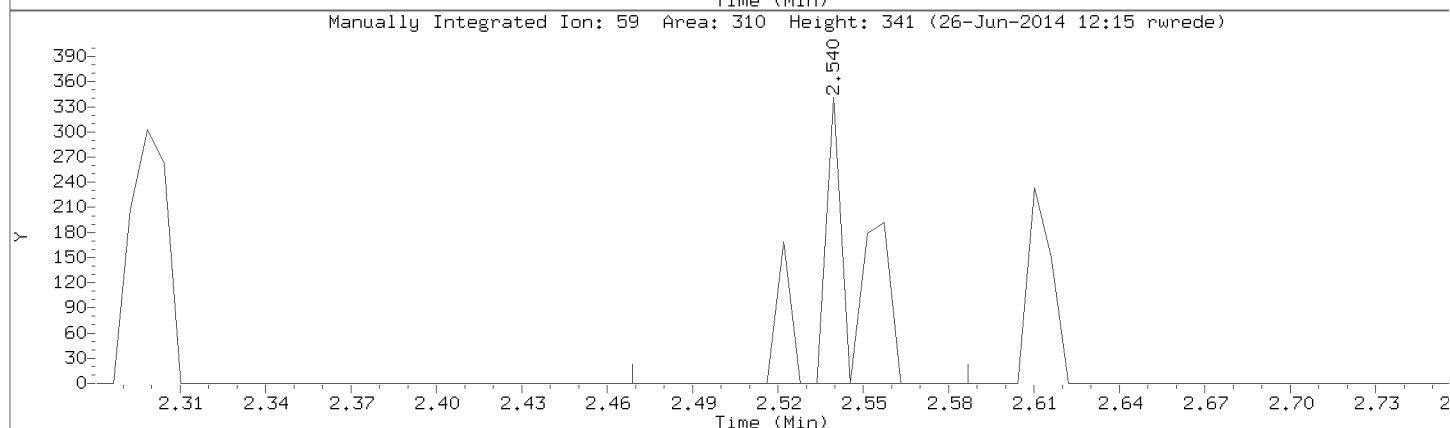
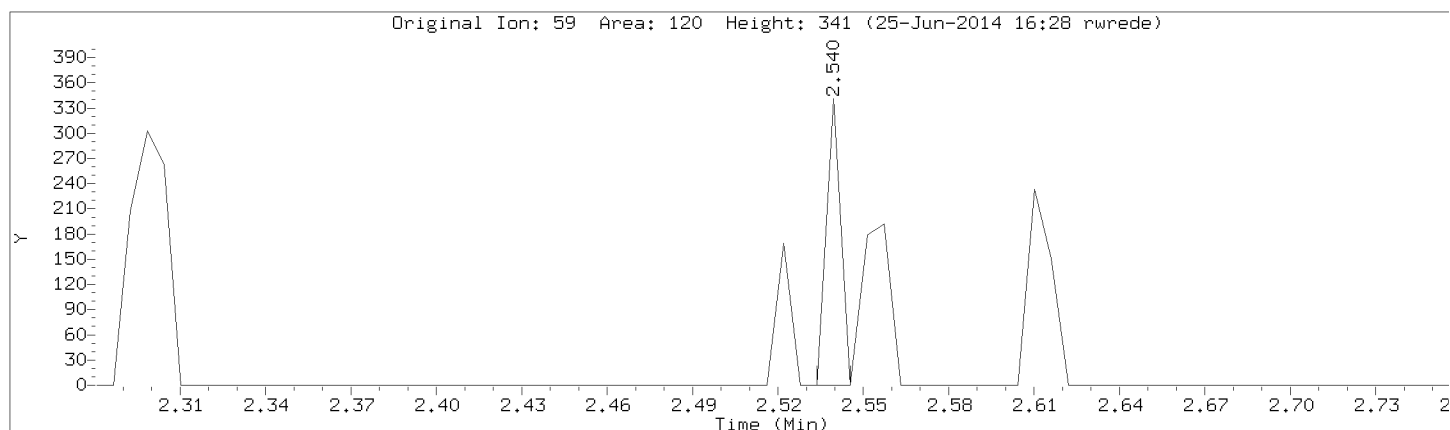
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Instrument: 50mv4b.i

Lab Sample ID: 8260-CAL1

Compound: tert-Butyl Alcohol

CAS Number: 75-65-0



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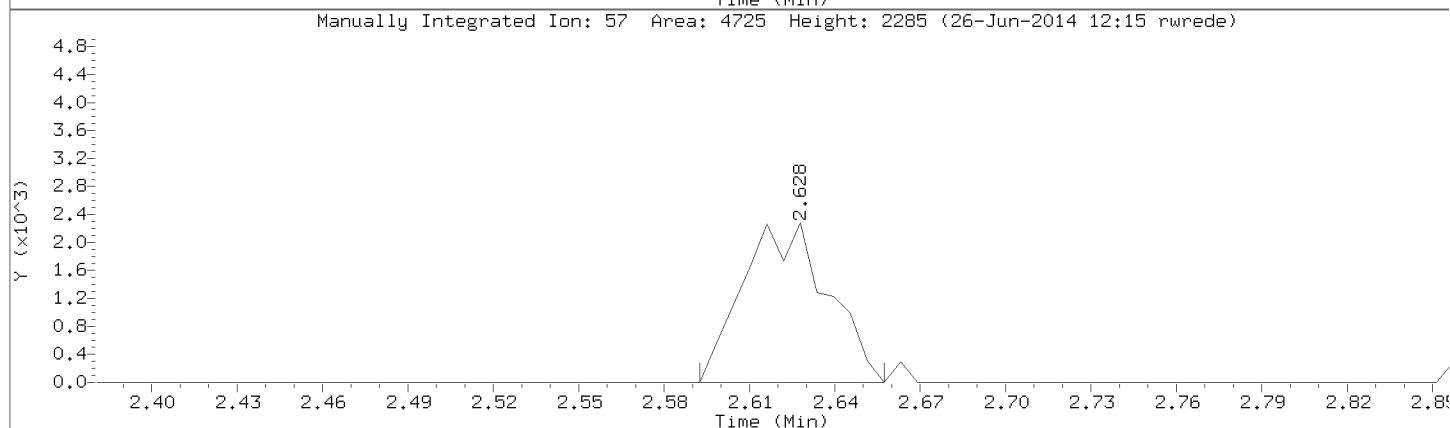
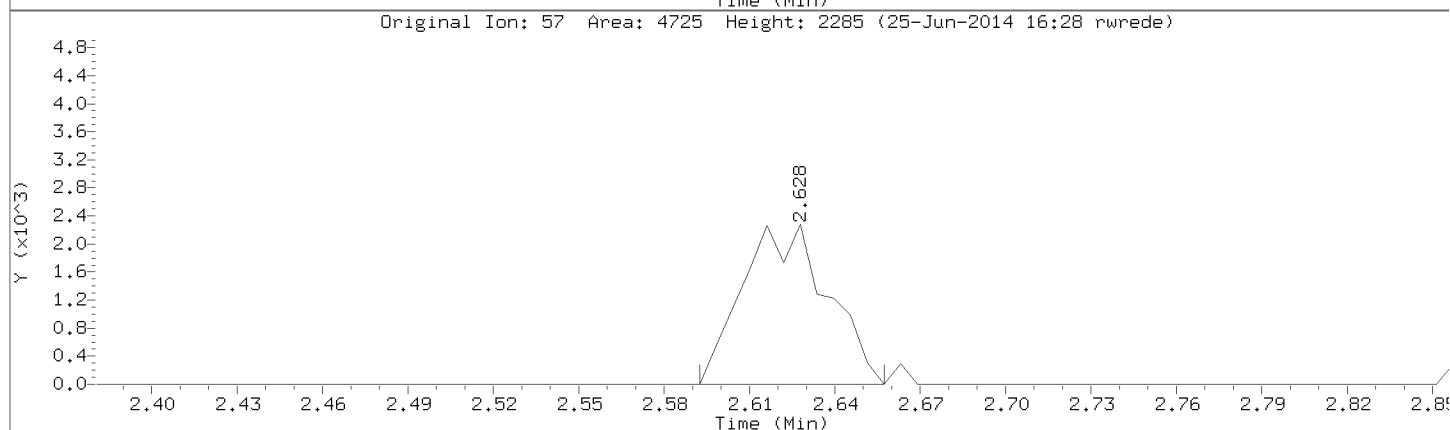
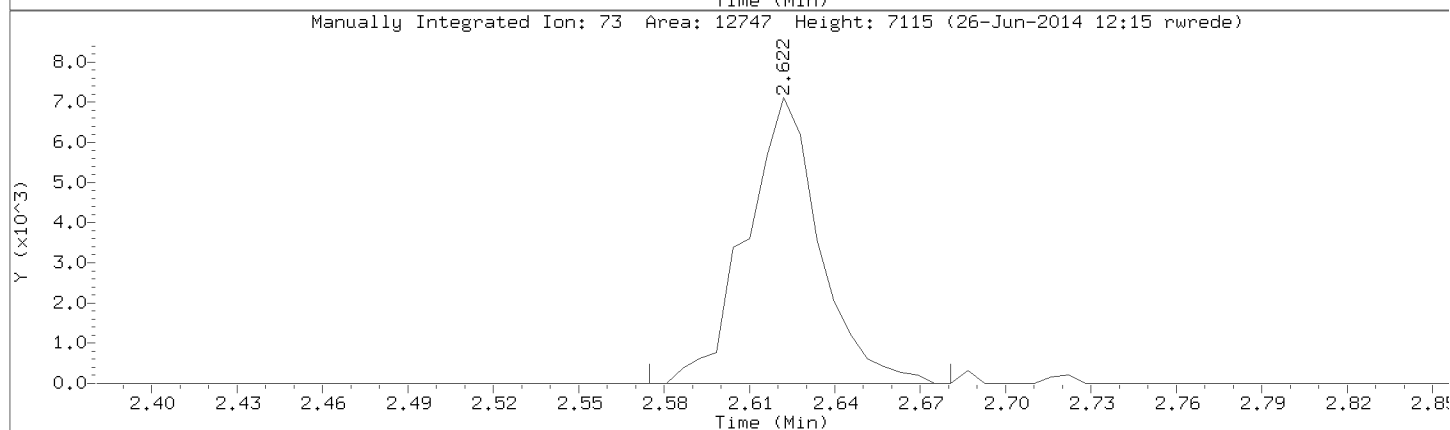
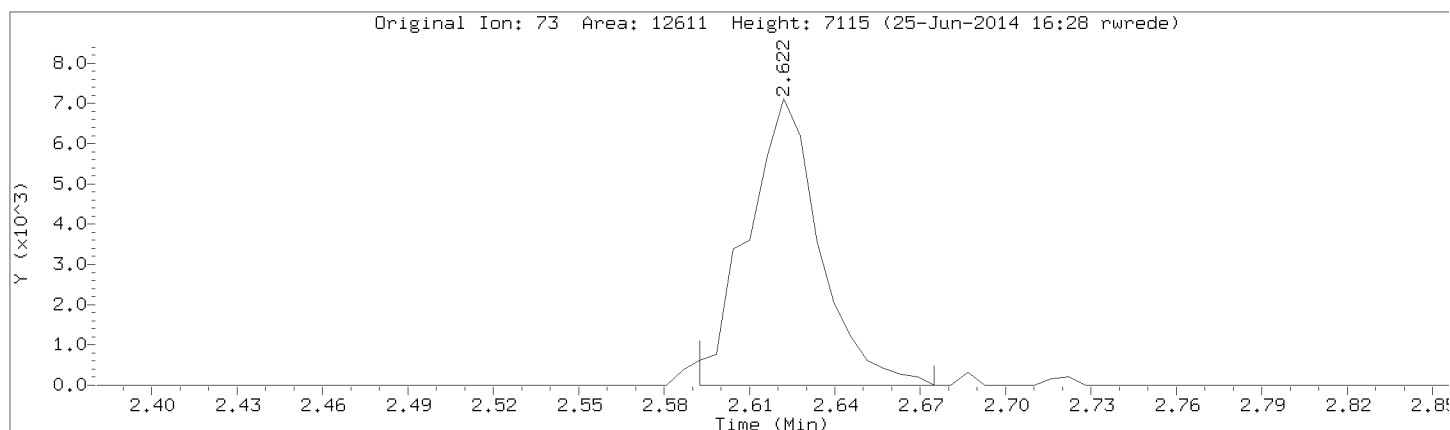
Injection Date: 25-JUN-2014 16:12

Instrument: 50mv4b.i

Lab Sample ID: 8260-CAL1

Compound: Methyl-tert-butyl ether

CAS Number: 1634-04-4



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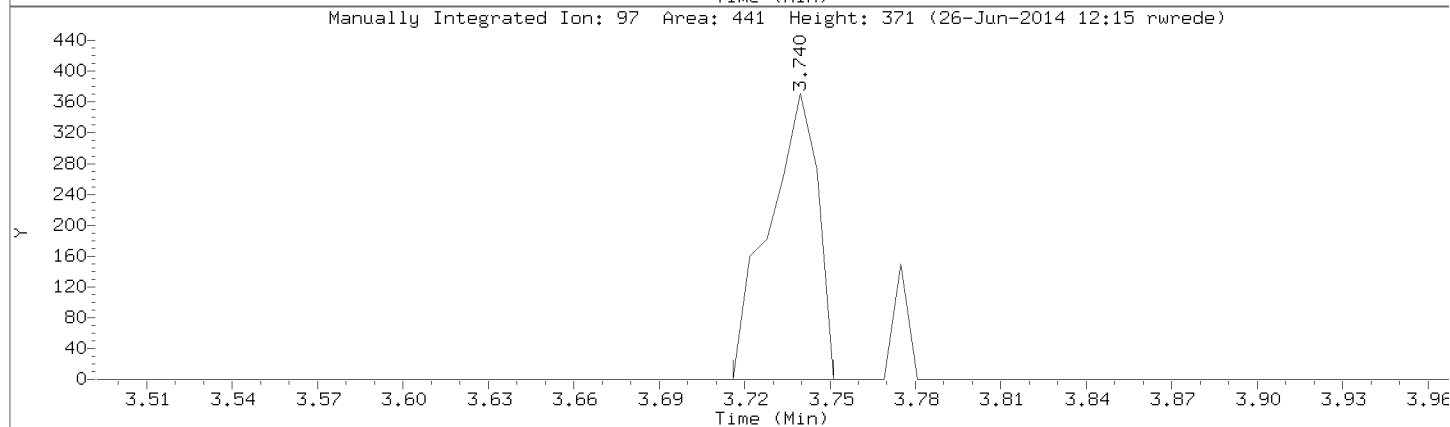
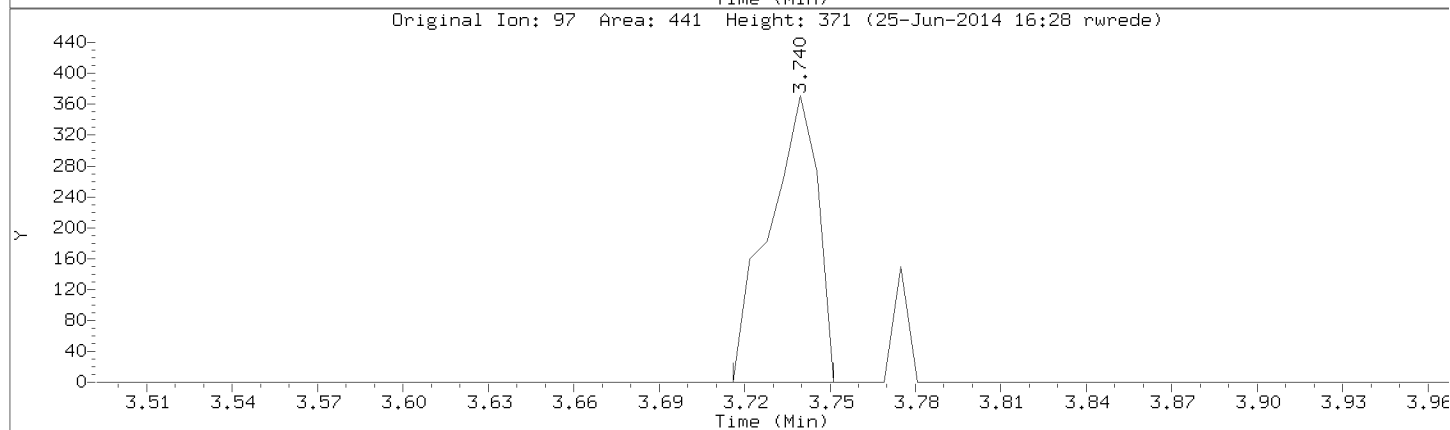
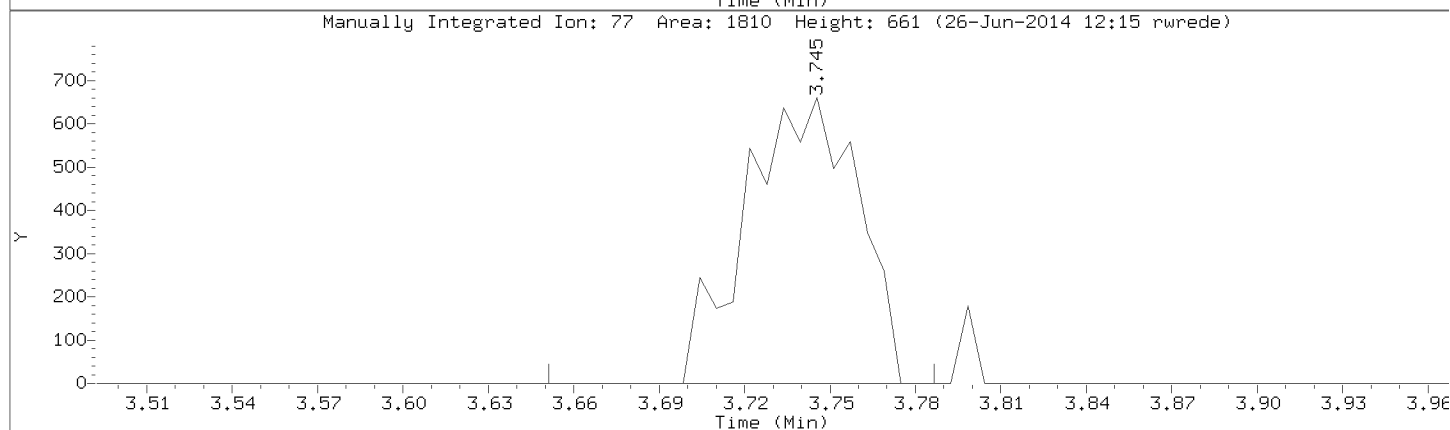
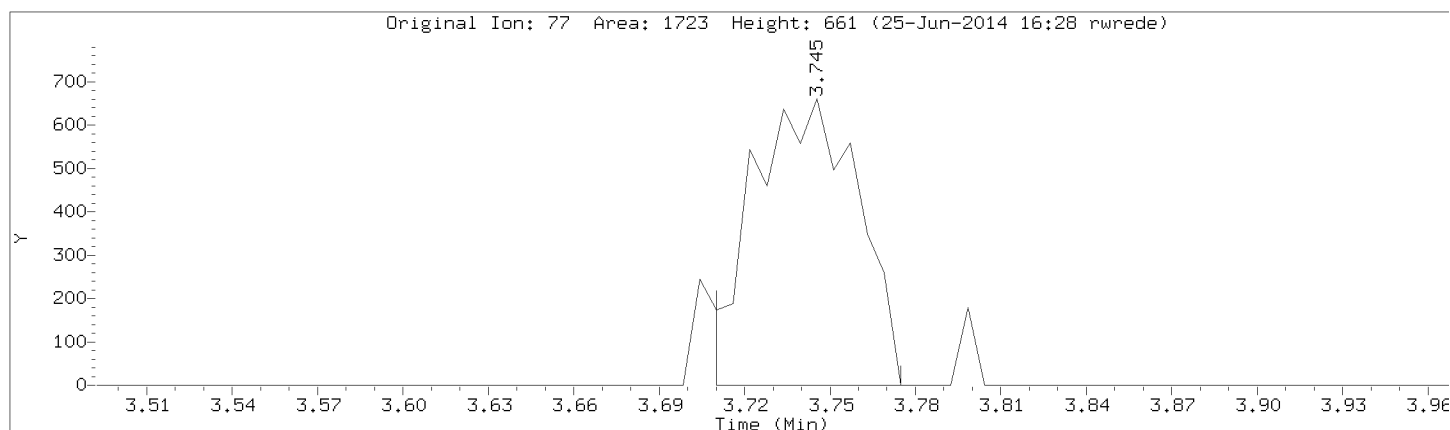
Injection Date: 25-JUN-2014 16:12

Instrument: 50mv4b.i

Lab Sample ID: 8260-CAL1

Compound: 2,2-Dichloropropane

CAS Number: 594-20-7



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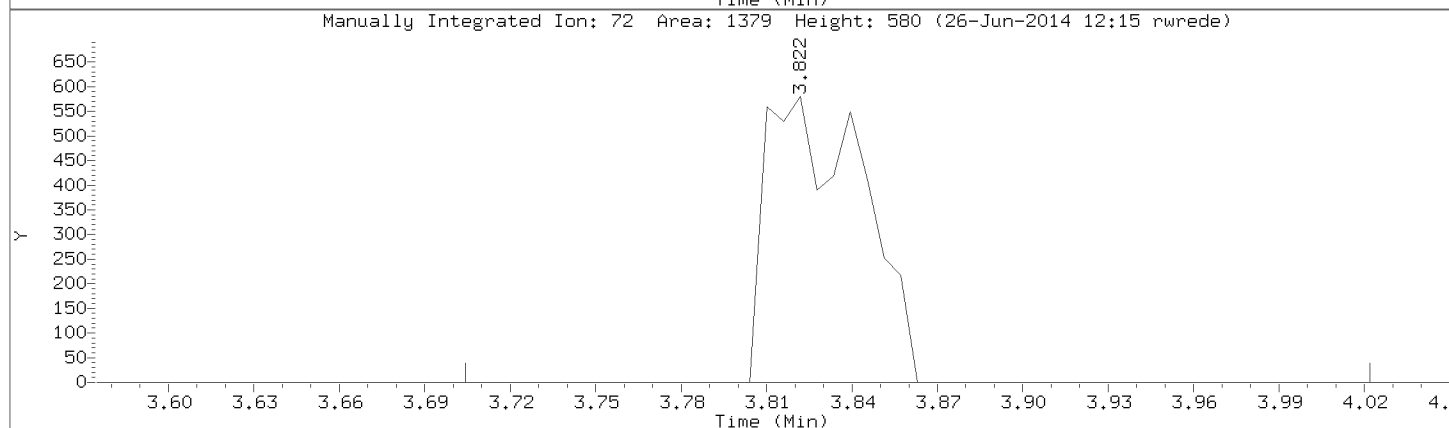
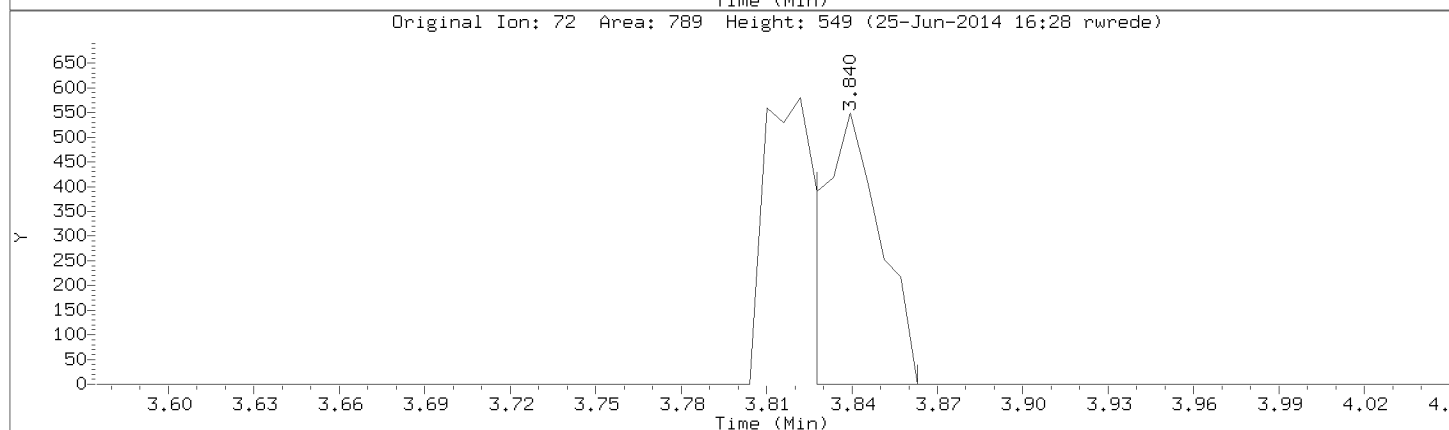
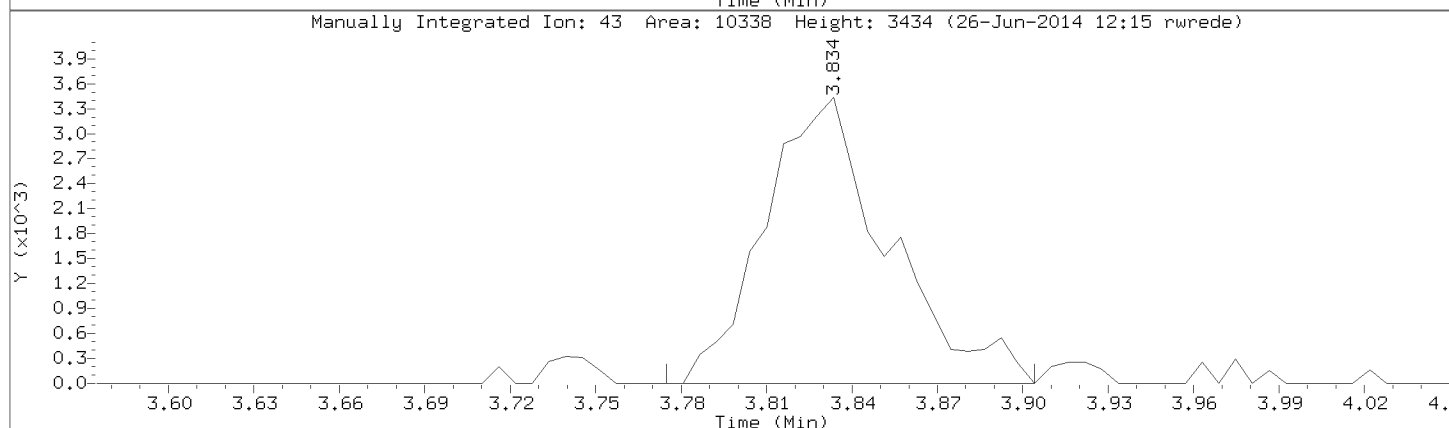
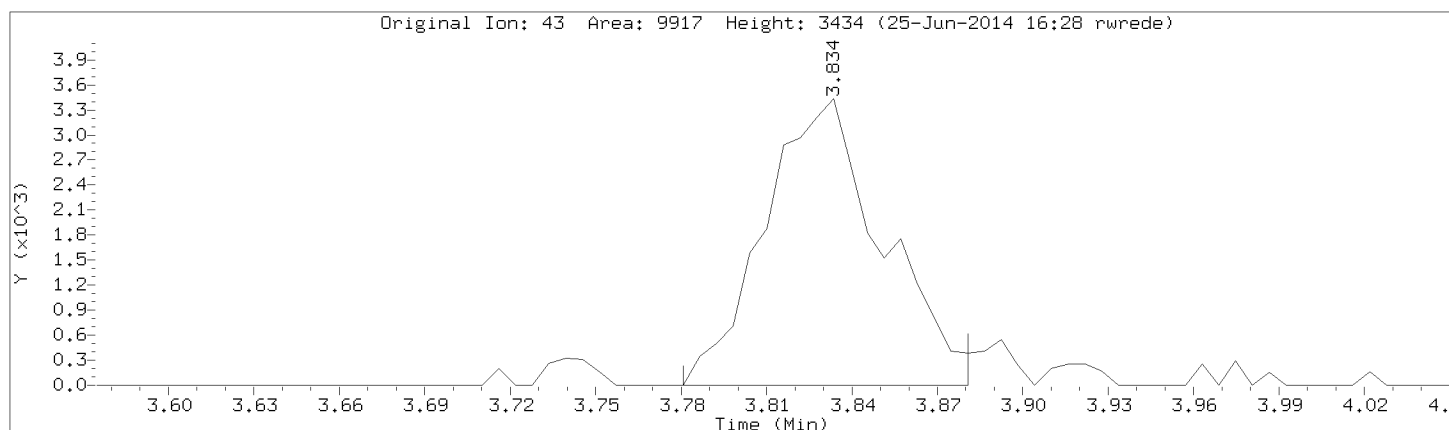
Injection Date: 25-JUN-2014 16:12

Instrument: 50mv4b.i

Lab Sample ID: 8260-CAL1

Compound: 2-Butanone

CAS Number: 78-93-3

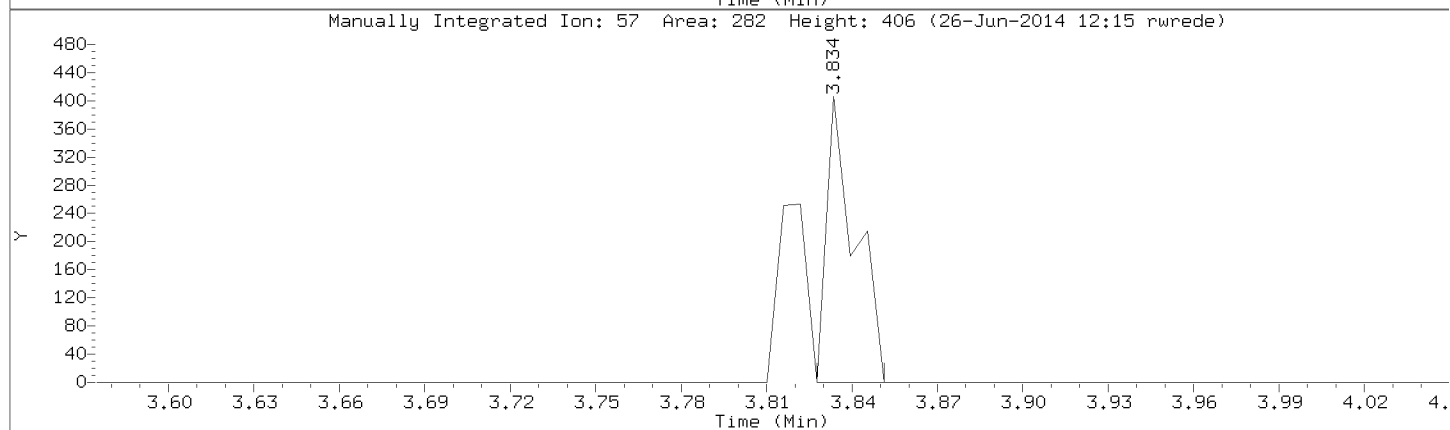
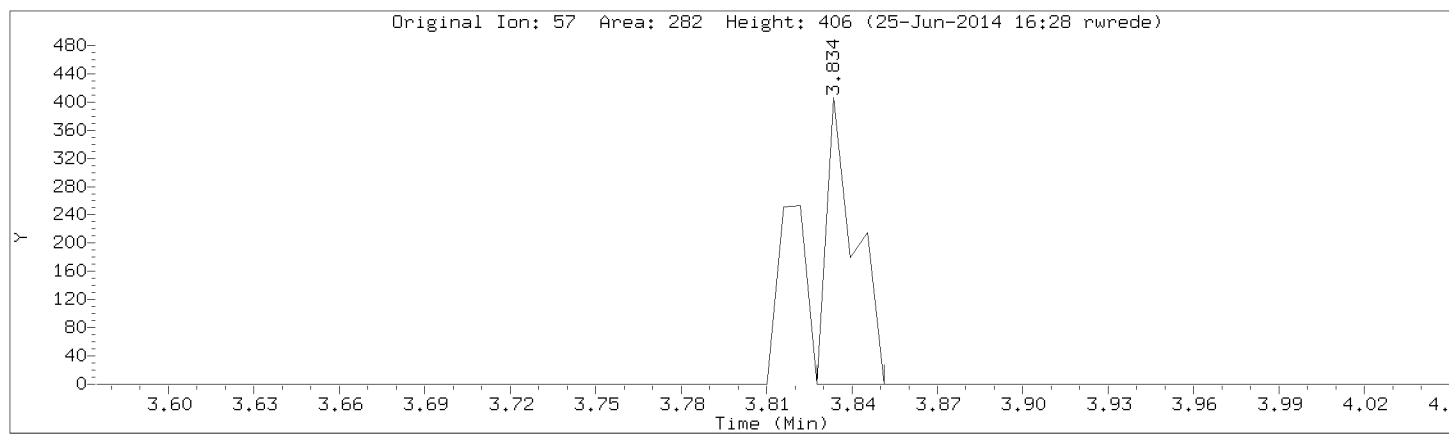


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Injection Date: 25-JUN-2014 16:12

Instrument: 50mv4b.i

Lab Sample ID: 8260-CAL1



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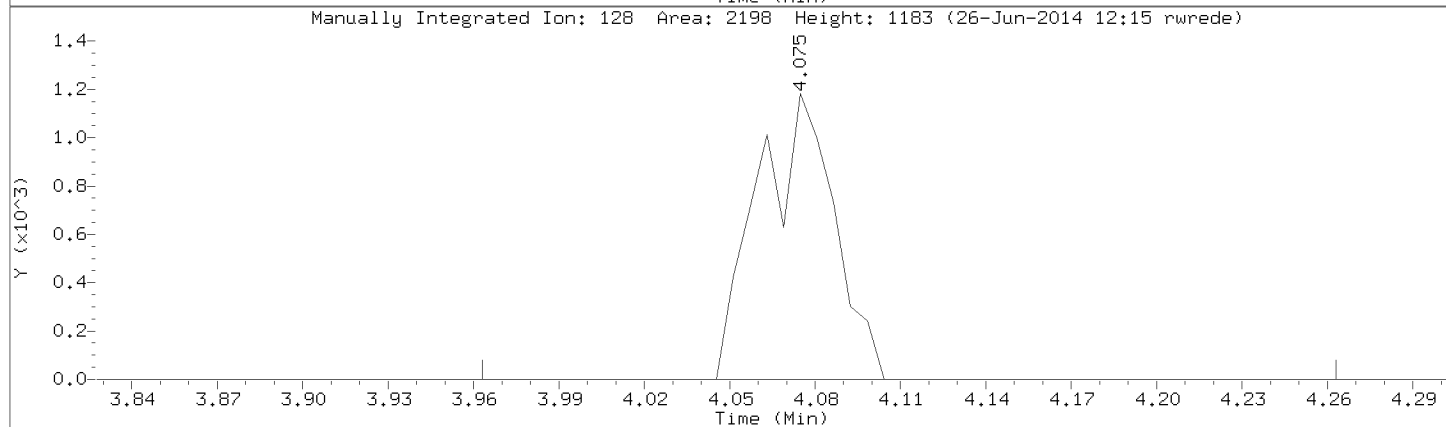
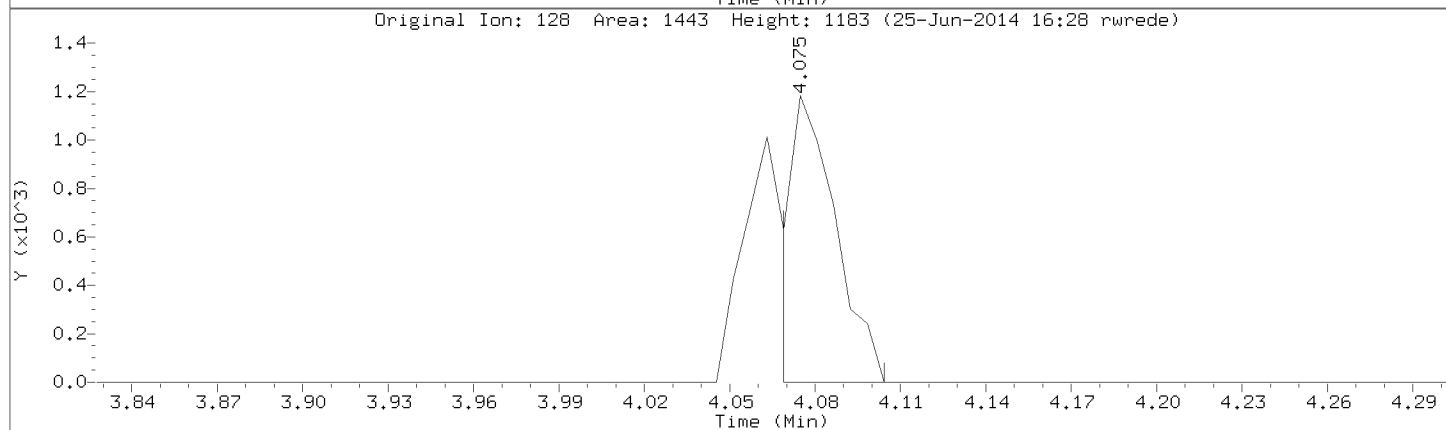
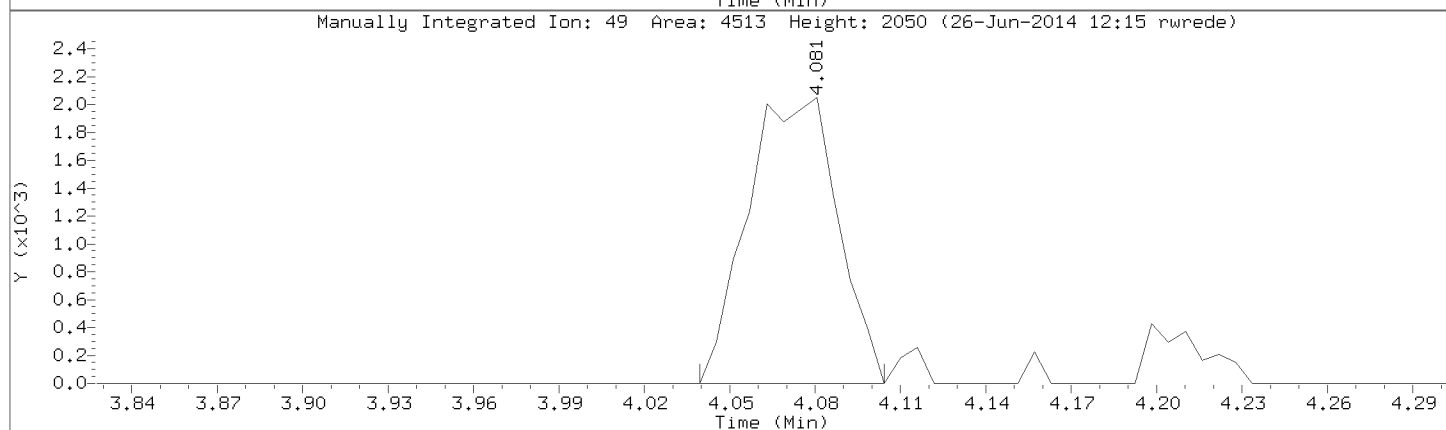
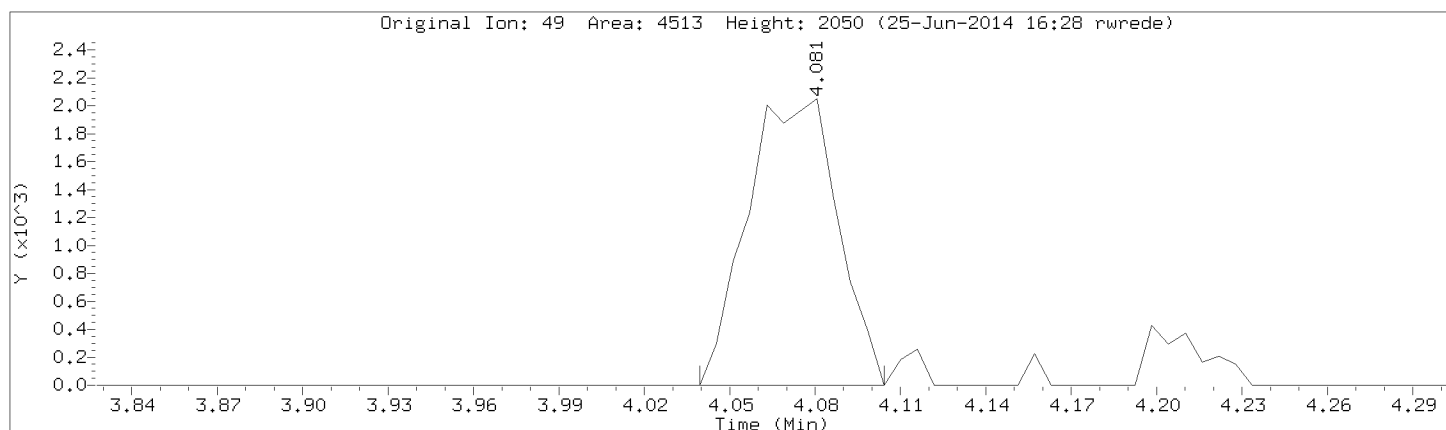
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Instrument: 50mv4b.i

Lab Sample ID: 8260-CAL1

Compound: Bromochloromethane

CAS Number: 74-97-5

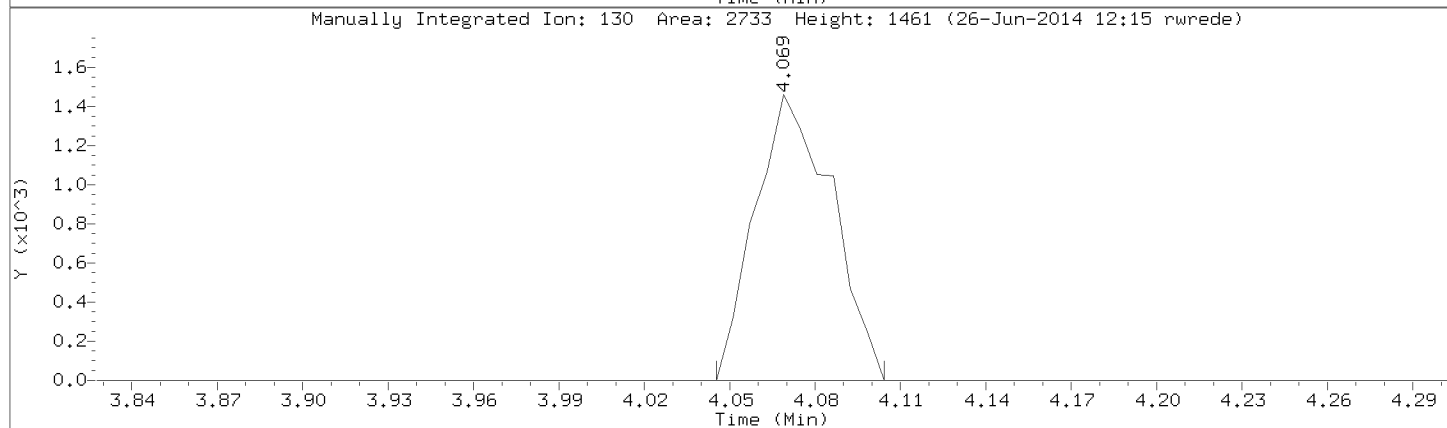
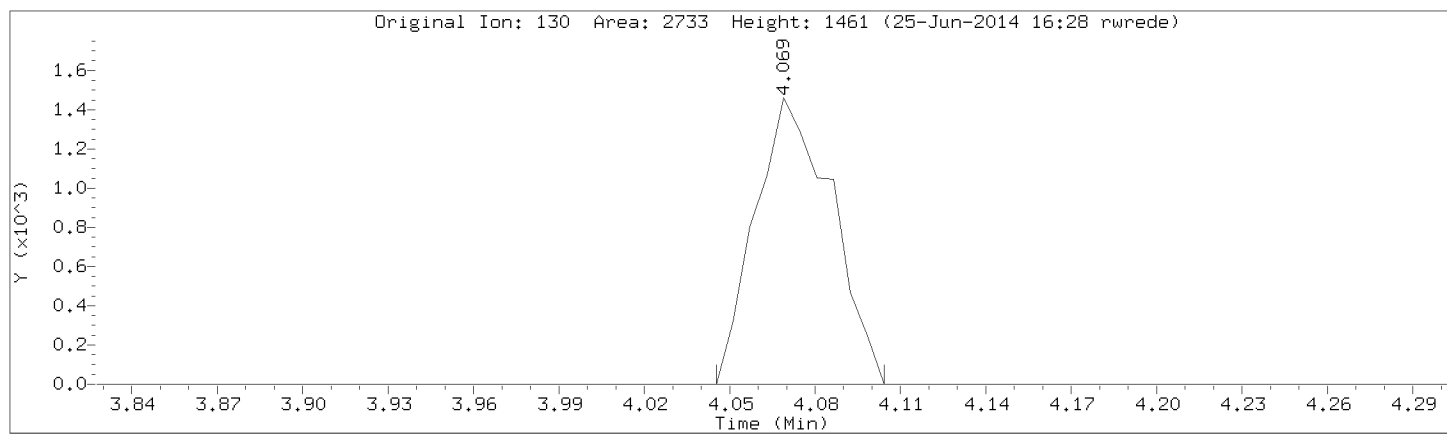


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Instrument: 50mv4b.i

Lab Sample ID: 8260-CAL1



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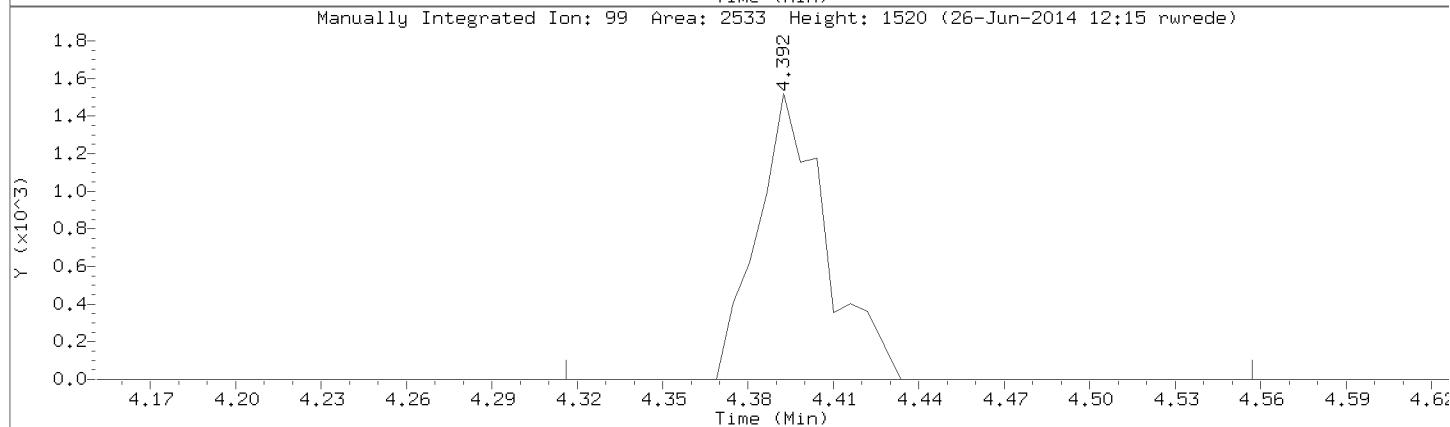
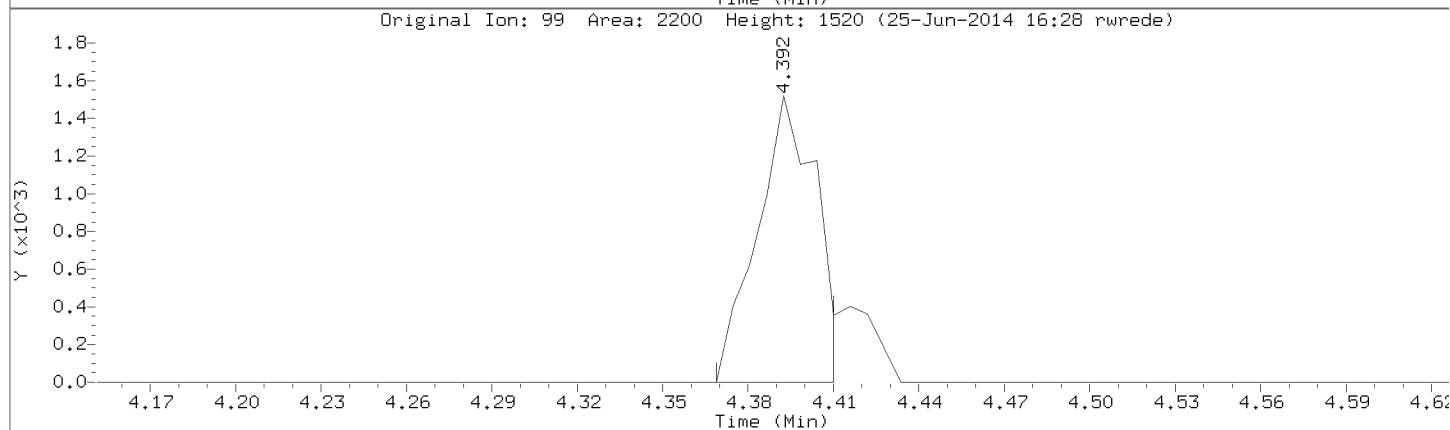
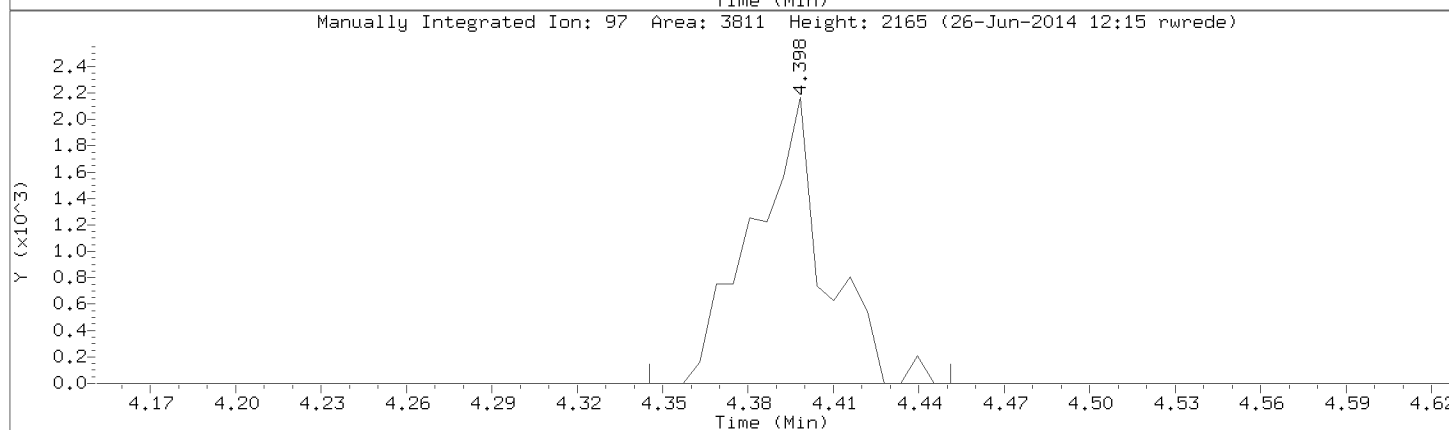
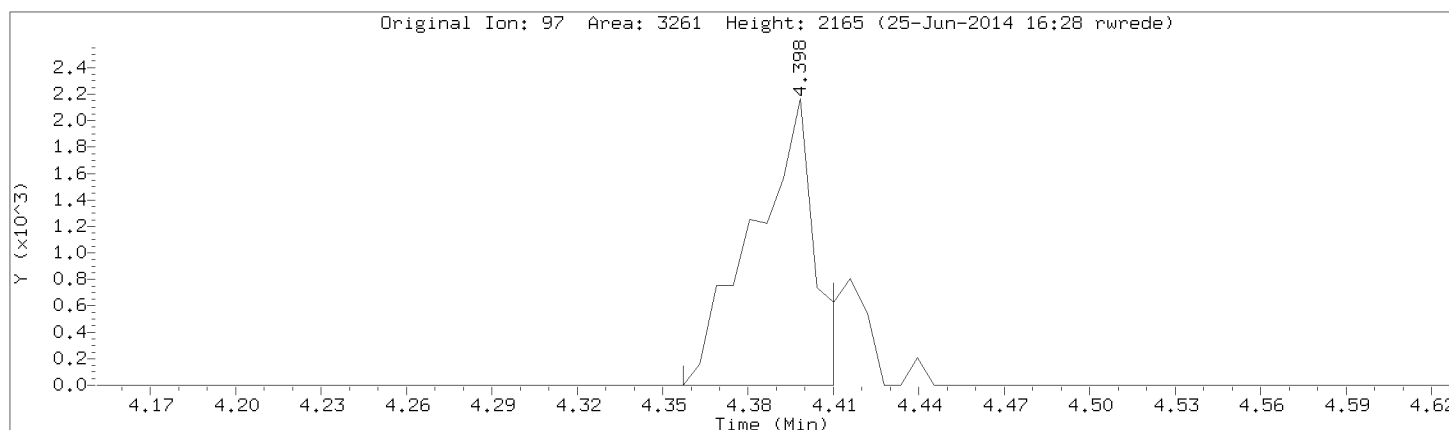
Injection Date: 25-JUN-2014 16:12

Instrument: 50mv4b.i

Lab Sample ID: 8260-CAL1

Compound: 1,1,1-Trichloroethane

CAS Number: 71-55-6

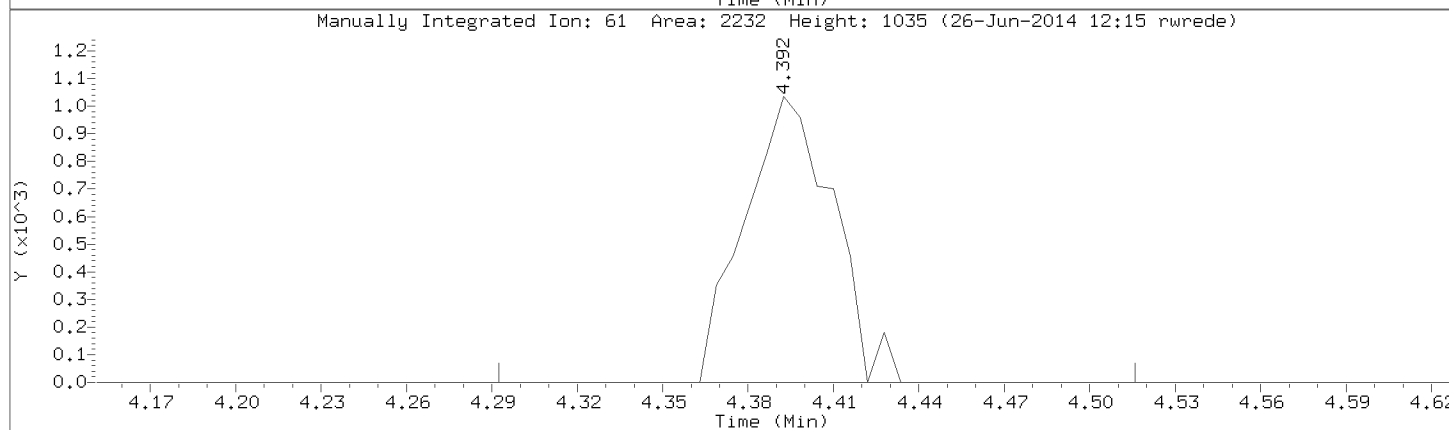
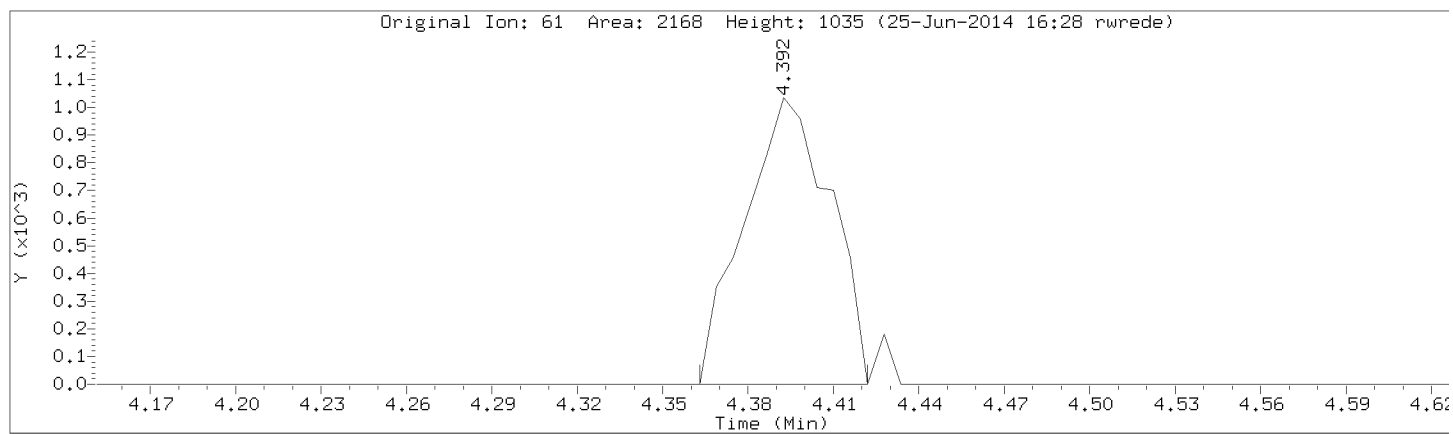


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Injection Date: 25-JUN-2014 16:12

Instrument: 50mv4b.i

Lab Sample ID: 8260-CAL1



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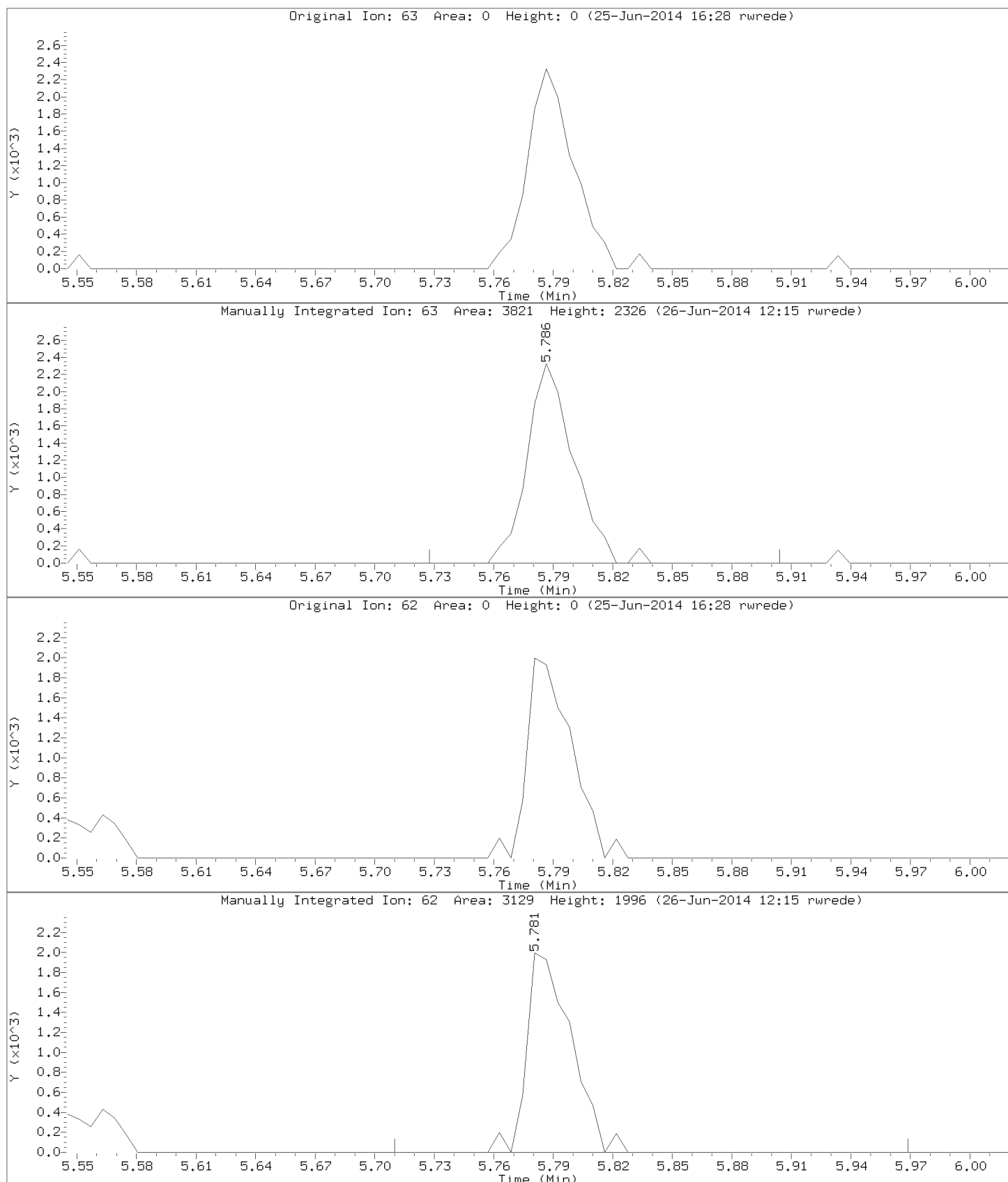
Injection Date: 25-JUN-2014 16:12

Instrument: 50mv4b.i

Lab Sample ID: 8260-CAL1

Compound: 1,2-Dichloropropane

CAS Number: 78-87-5

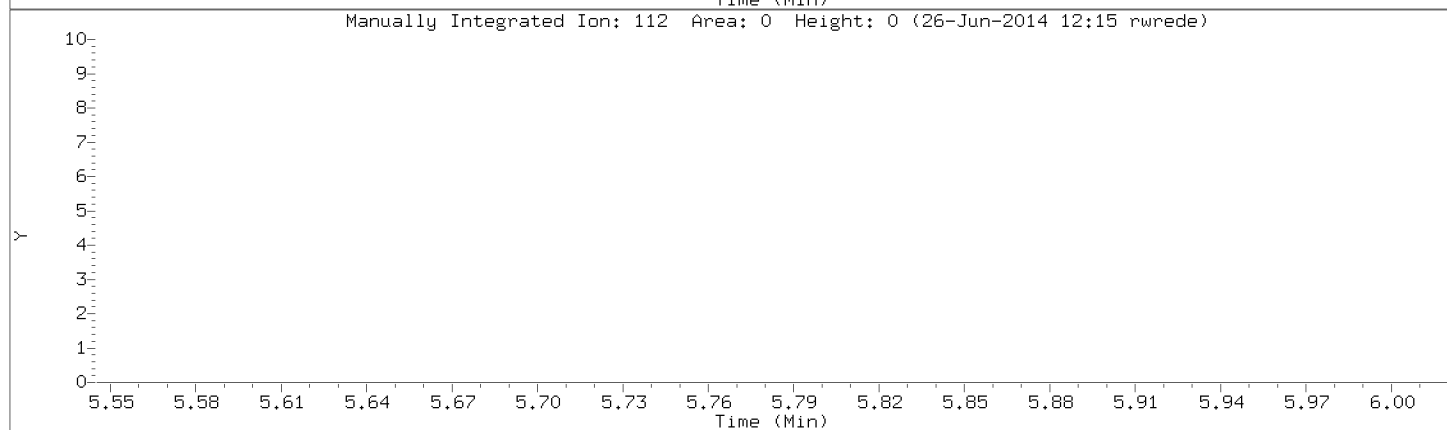
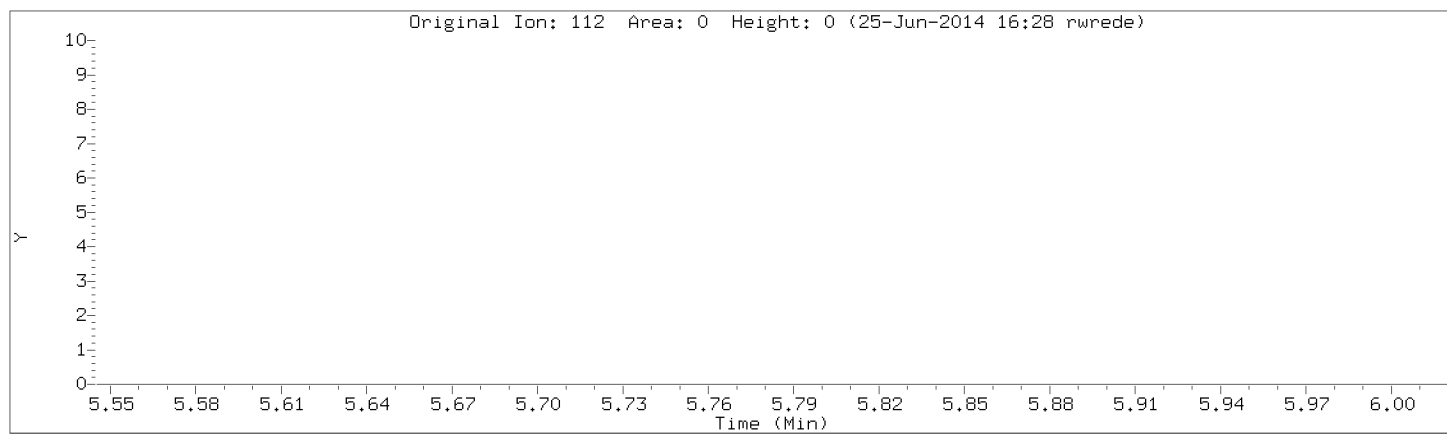


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Instrument: 50mv4b.i

Lab Sample ID: 8260-CAL1



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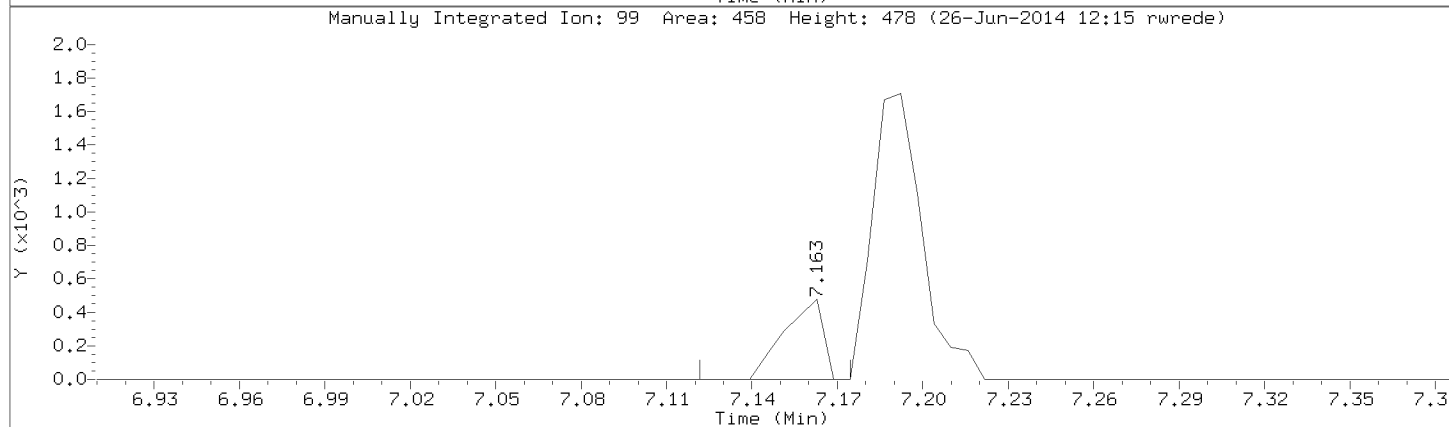
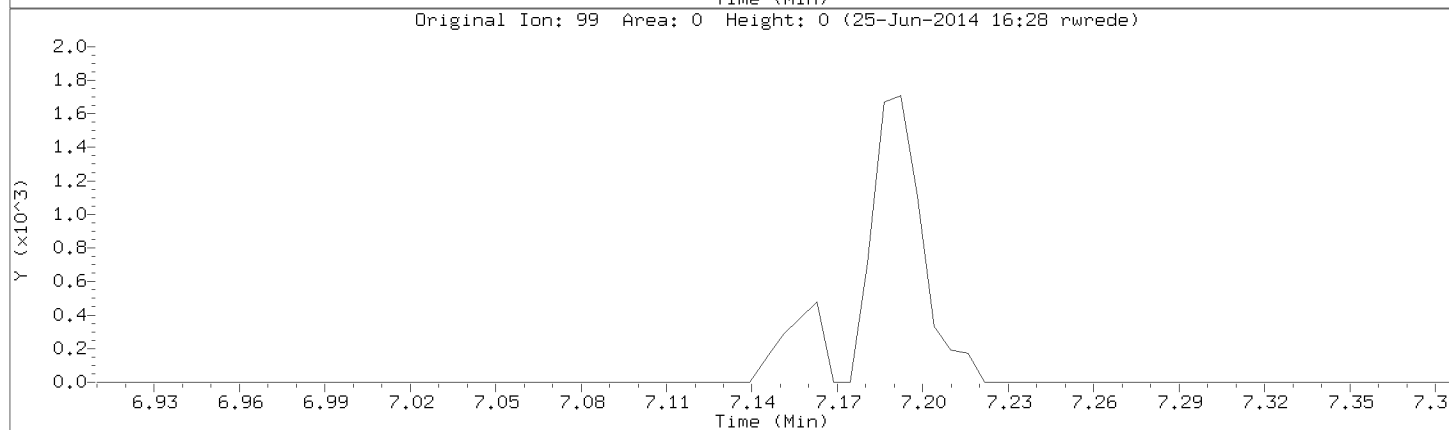
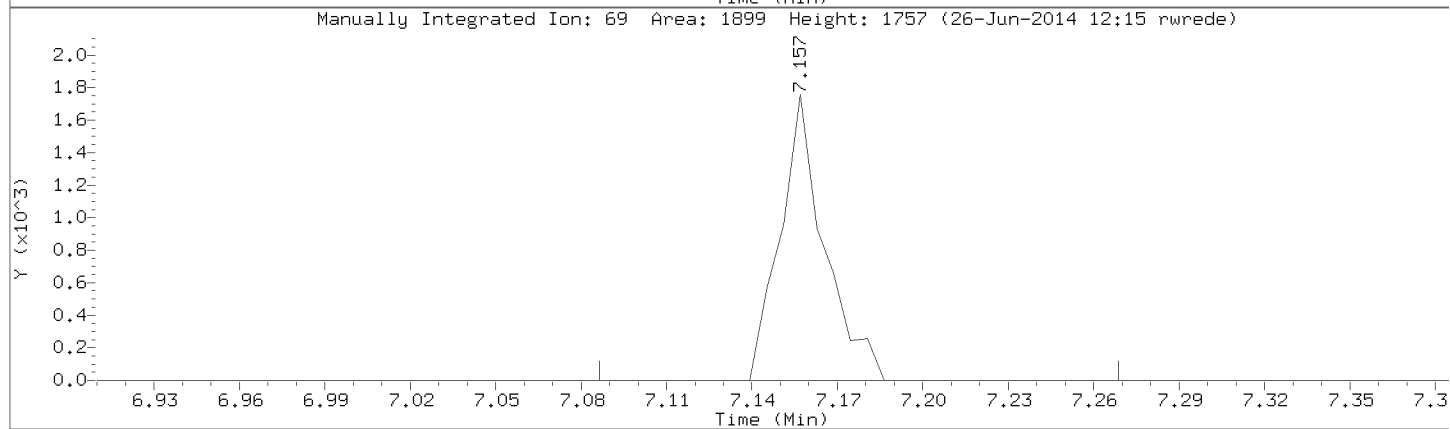
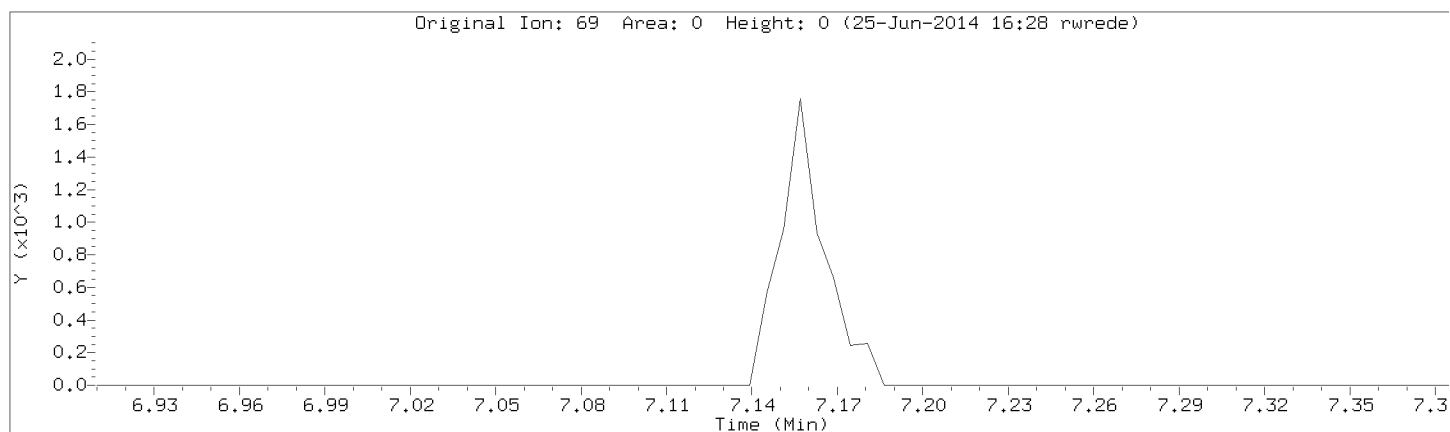
Injection Date: 25-JUN-2014 16:12

Instrument: 50mv4b.i

Lab Sample ID: 8260-CAL1

Compound: Ethyl Methacrylate

CAS Number:

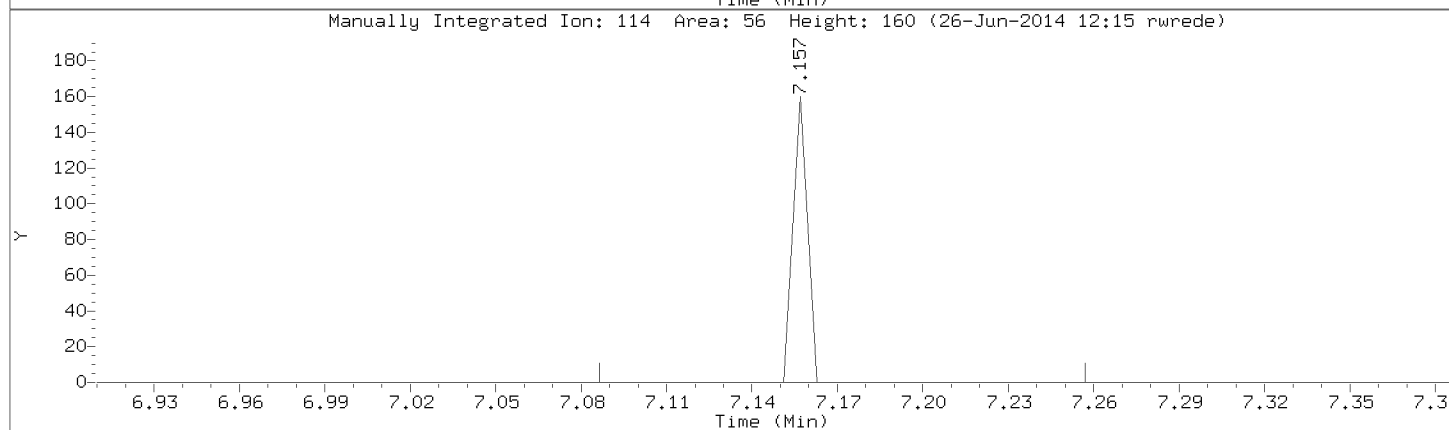
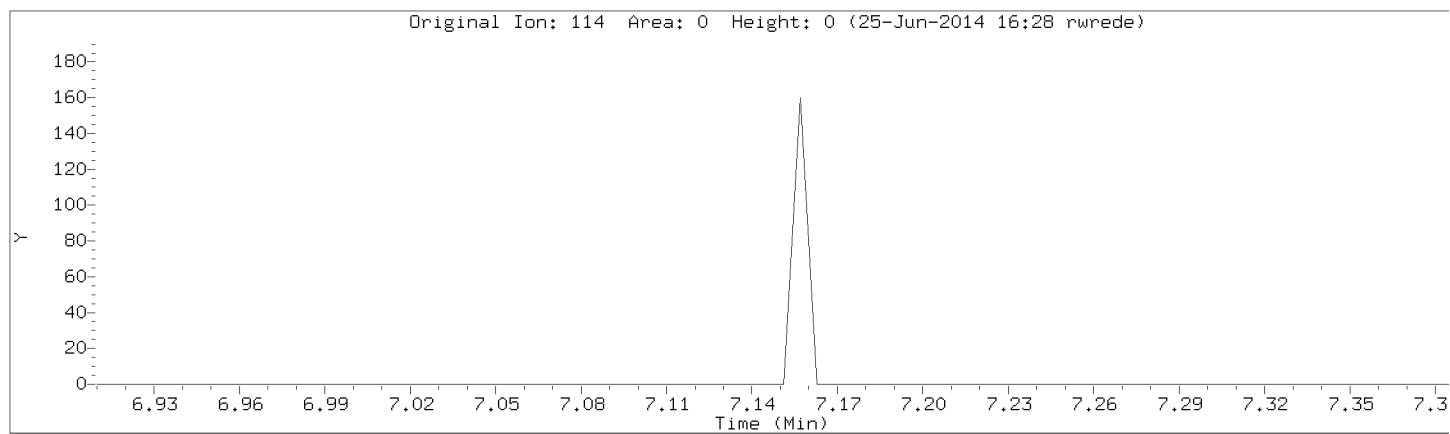


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Injection Date: 25-JUN-2014 16:12

Instrument: 50mv4b.i

Lab Sample ID: 8260-CAL1



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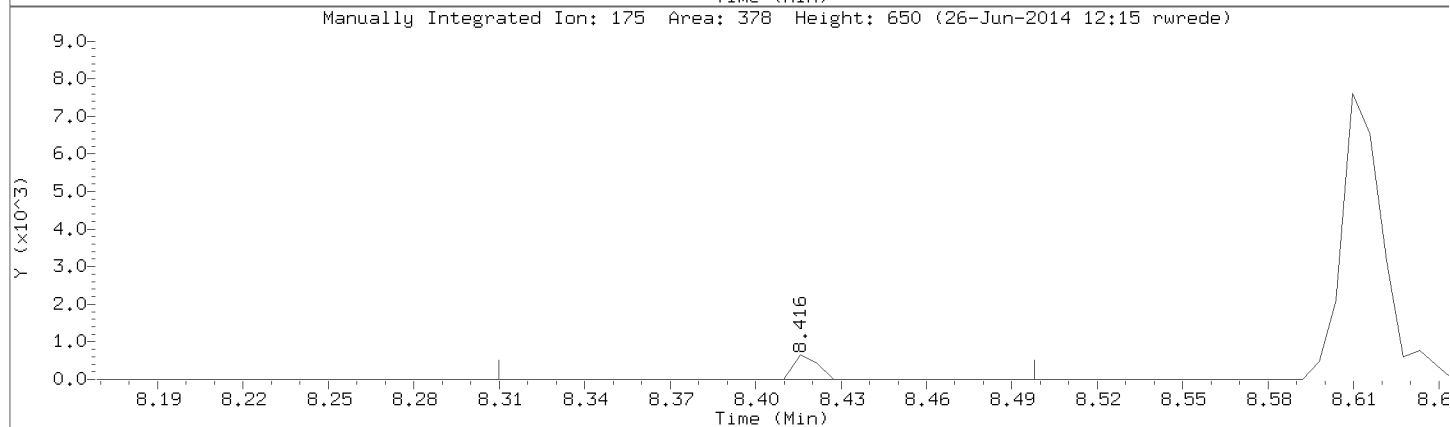
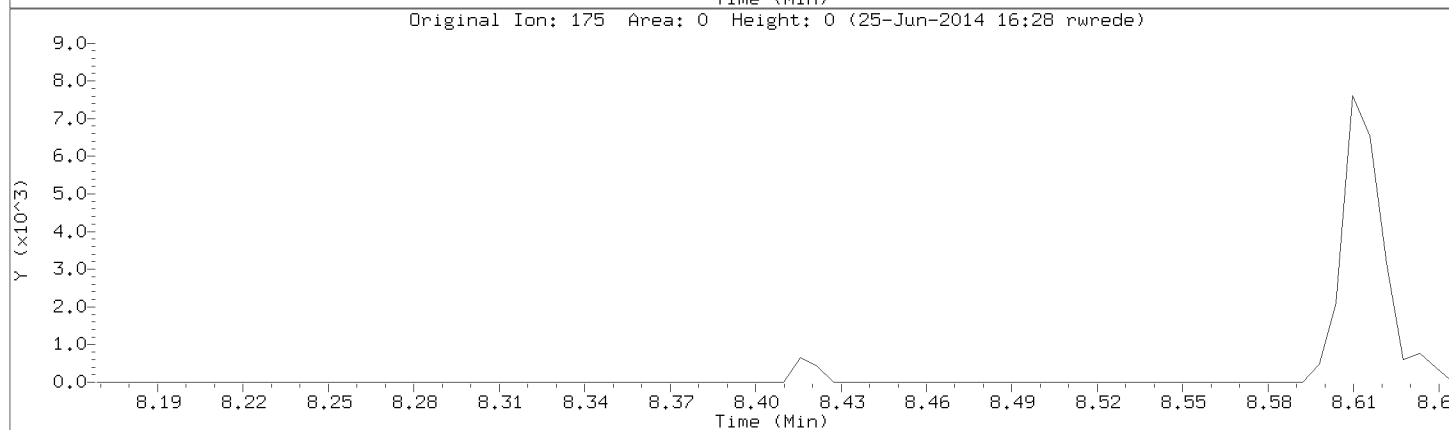
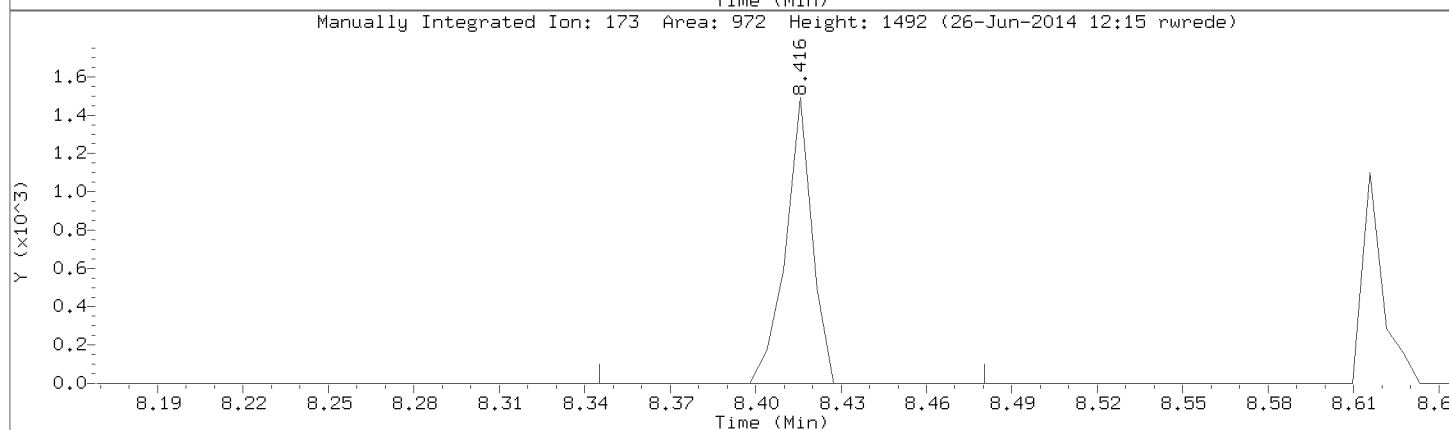
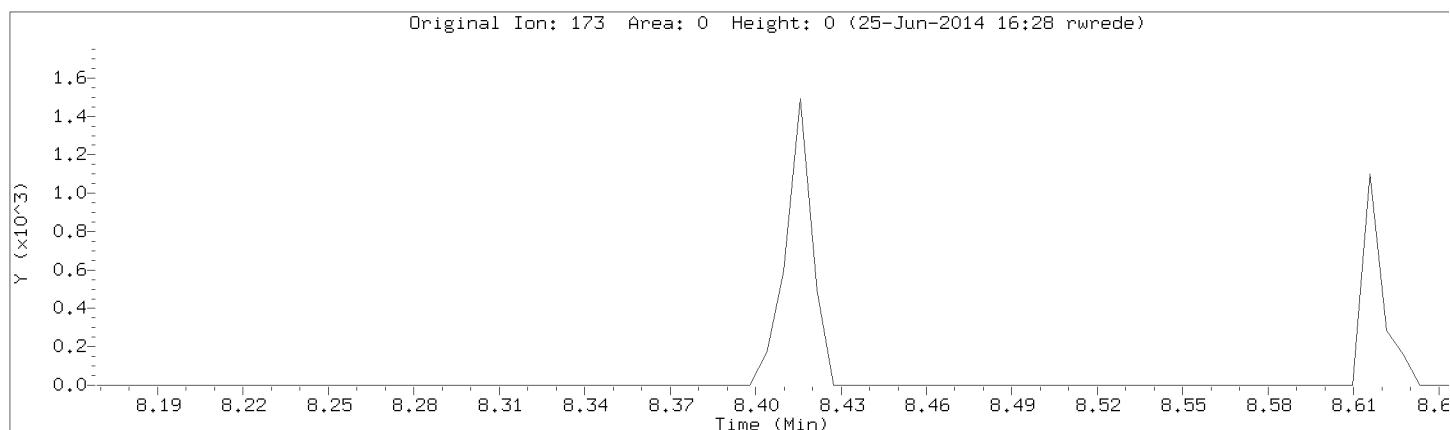
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Instrument: 50mv4b.i

Lab Sample ID: 8260-CAL1

Compound: Bromoform

CAS Number: 75-25-2

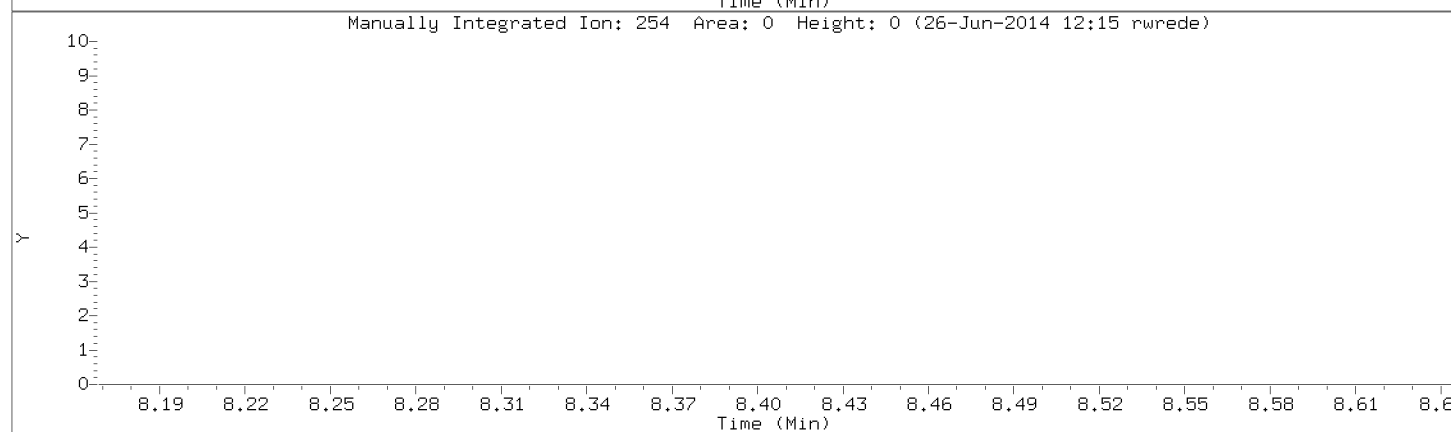
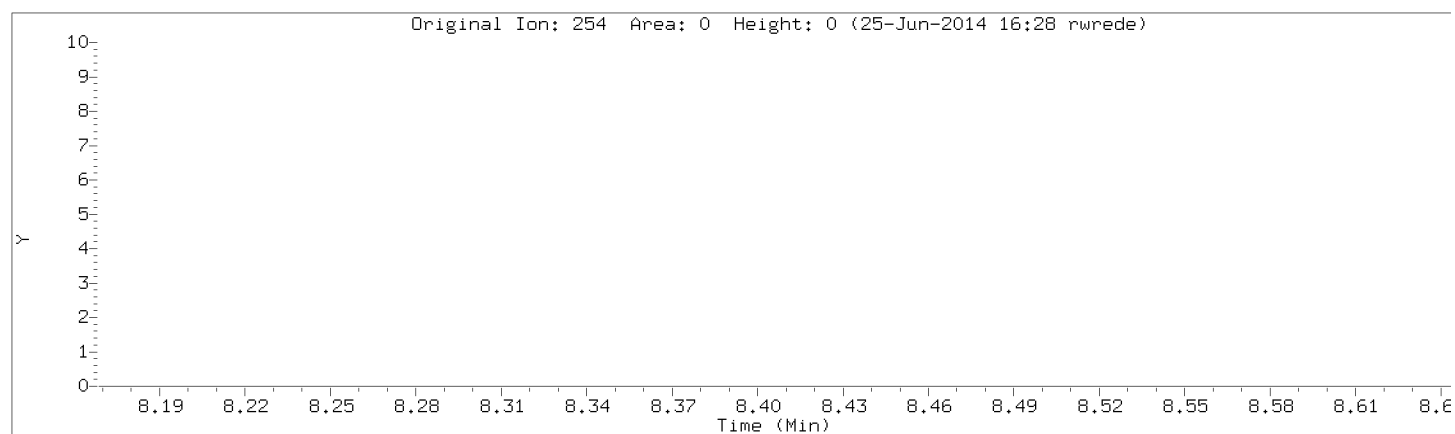


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Lab Sample ID: 8260-CAL1



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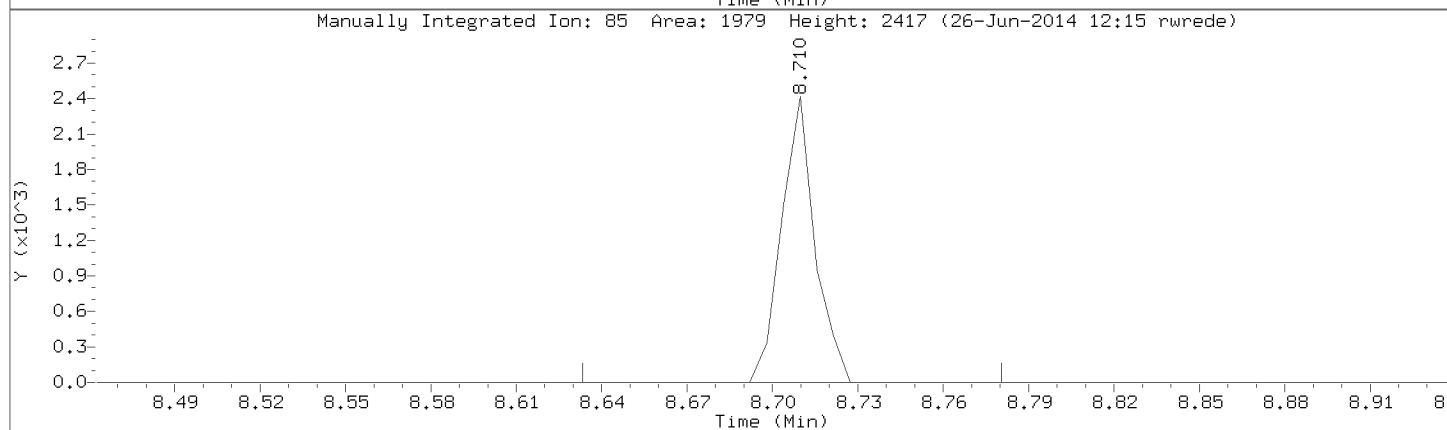
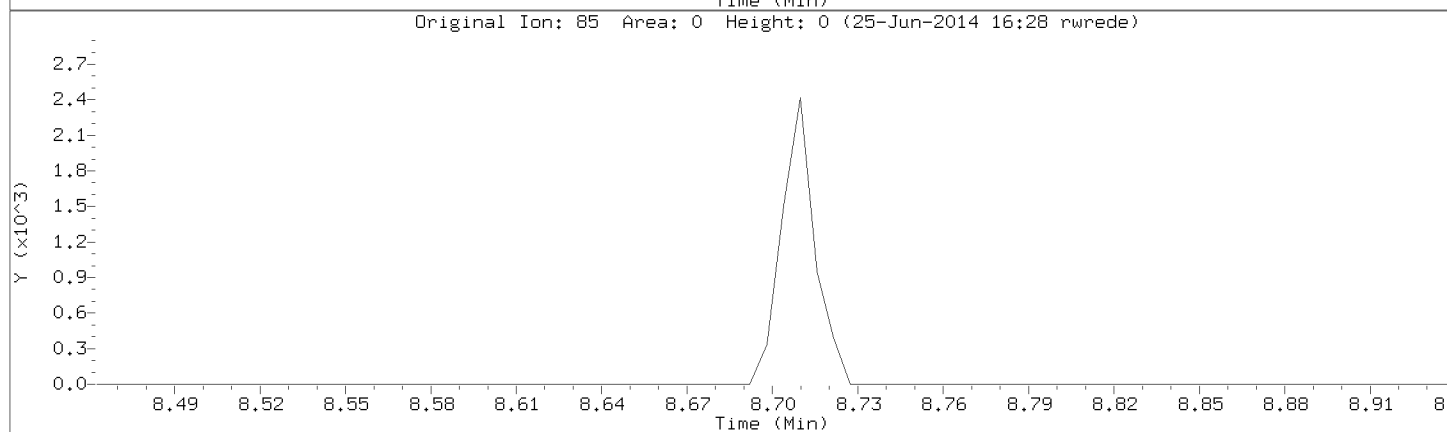
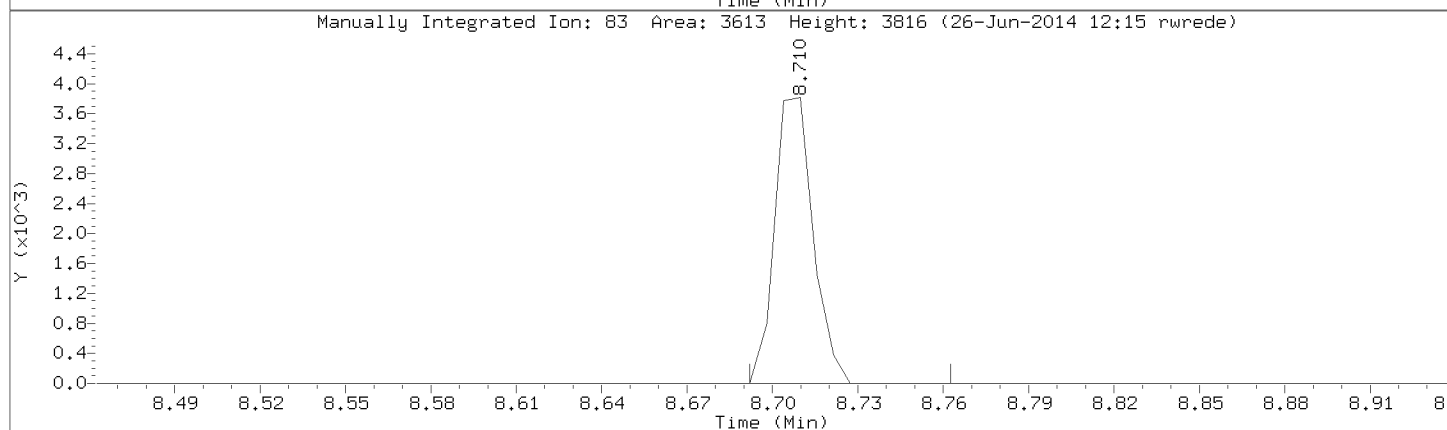
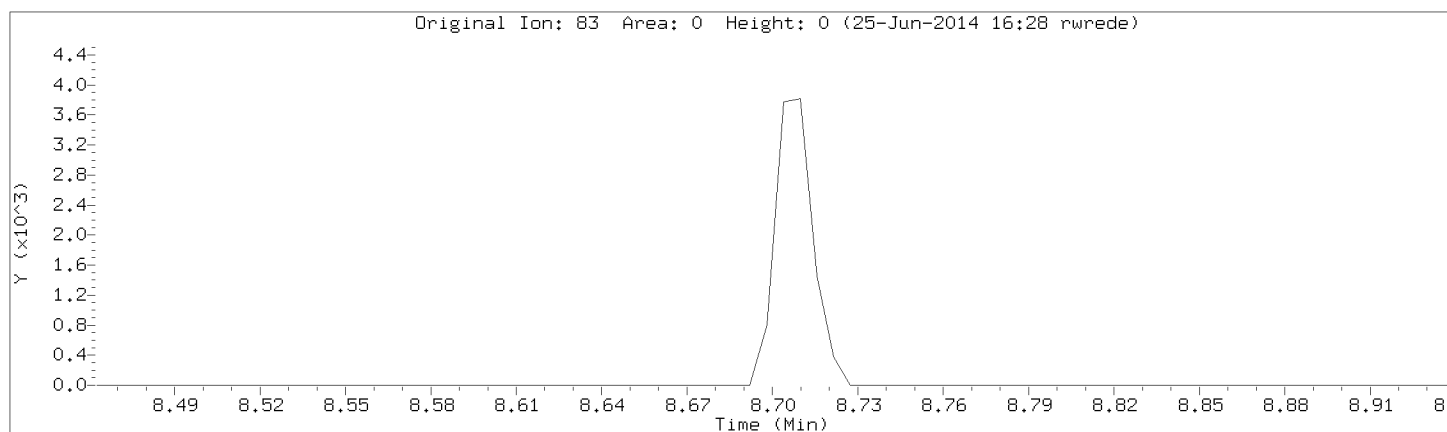
Injection Date: 25-JUN-2014 16:12

Instrument: 50mv4b.i

Lab Sample ID: 8260-CAL1

Compound: 1,1,2,2-Tetrachloroethane

CAS Number: 79-34-5

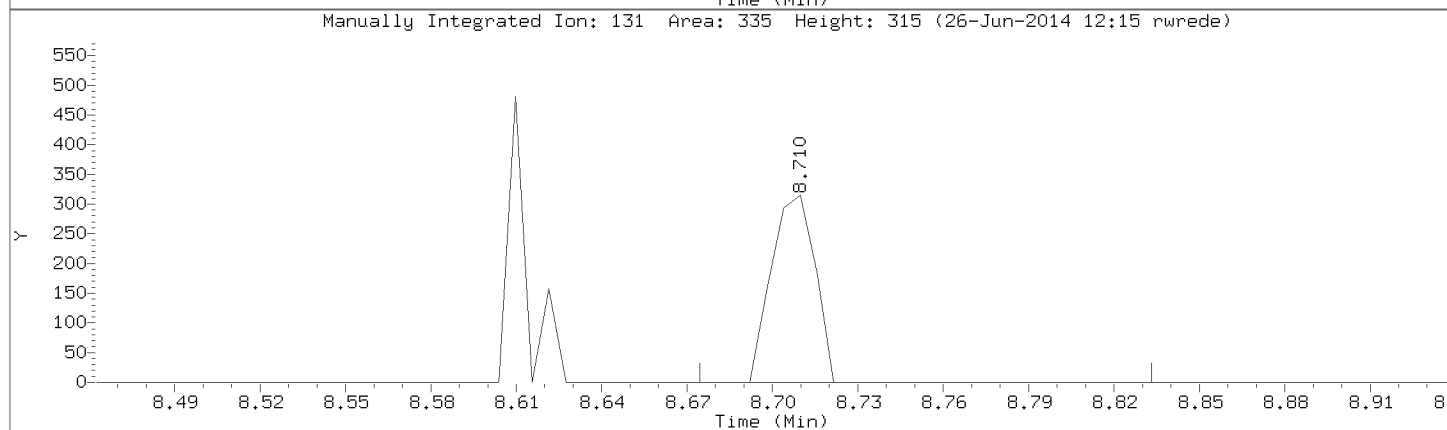
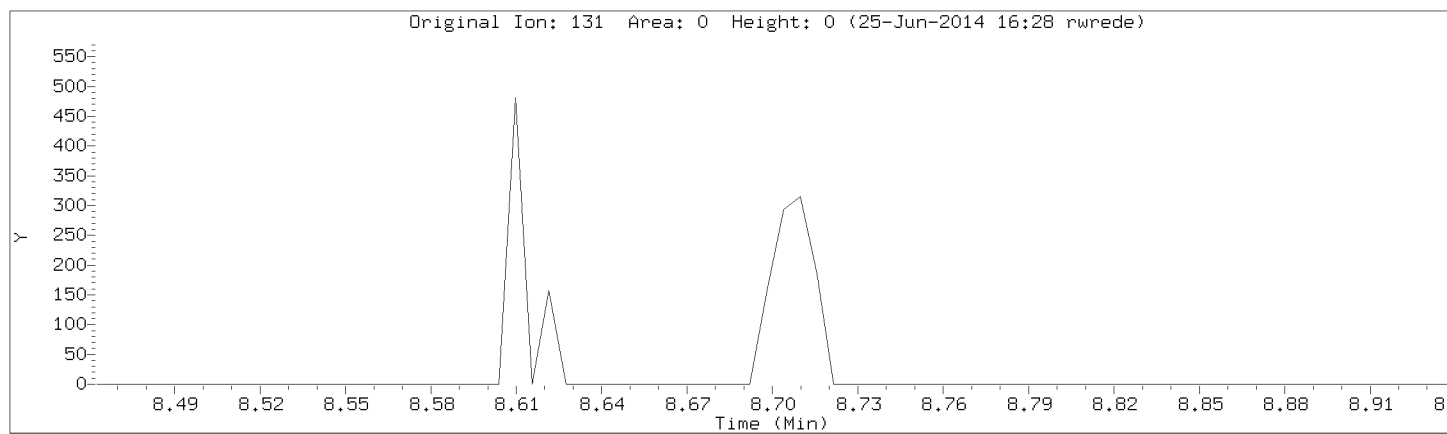


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Injection Date: 25-JUN-2014 16:12

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Lab Sample ID: 8260-CAL1



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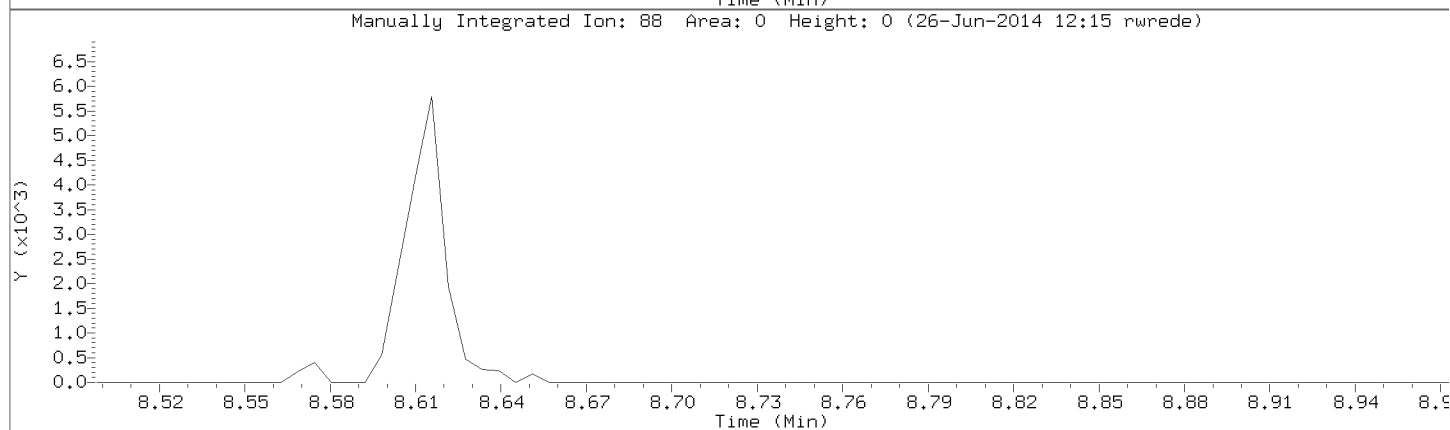
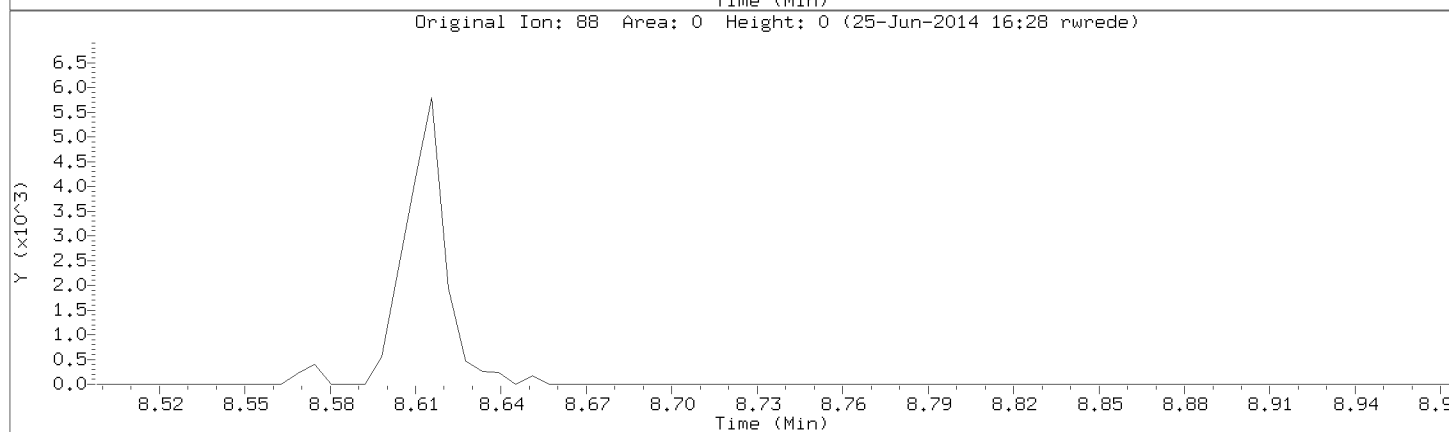
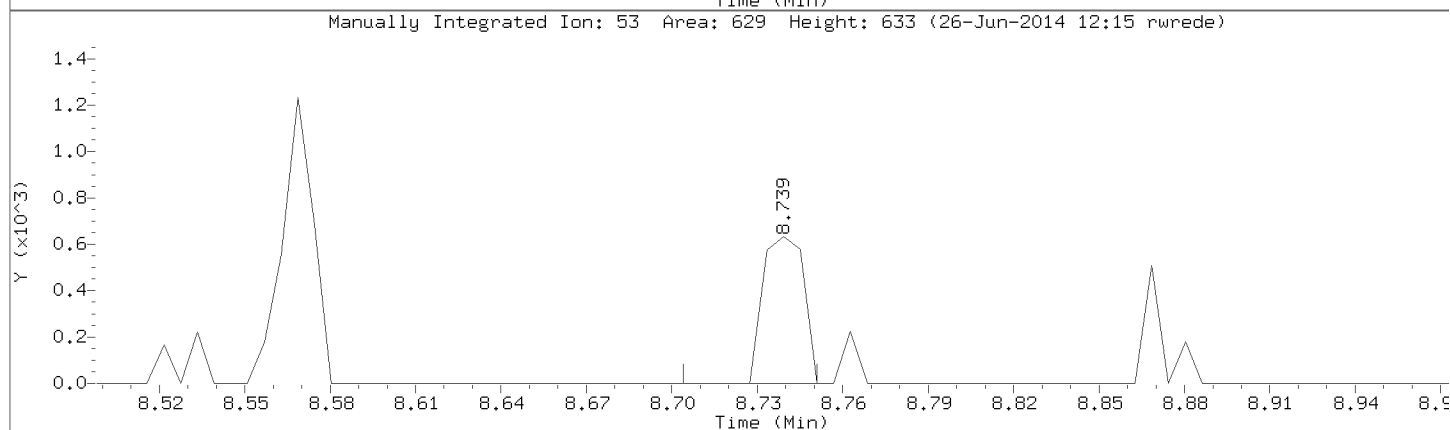
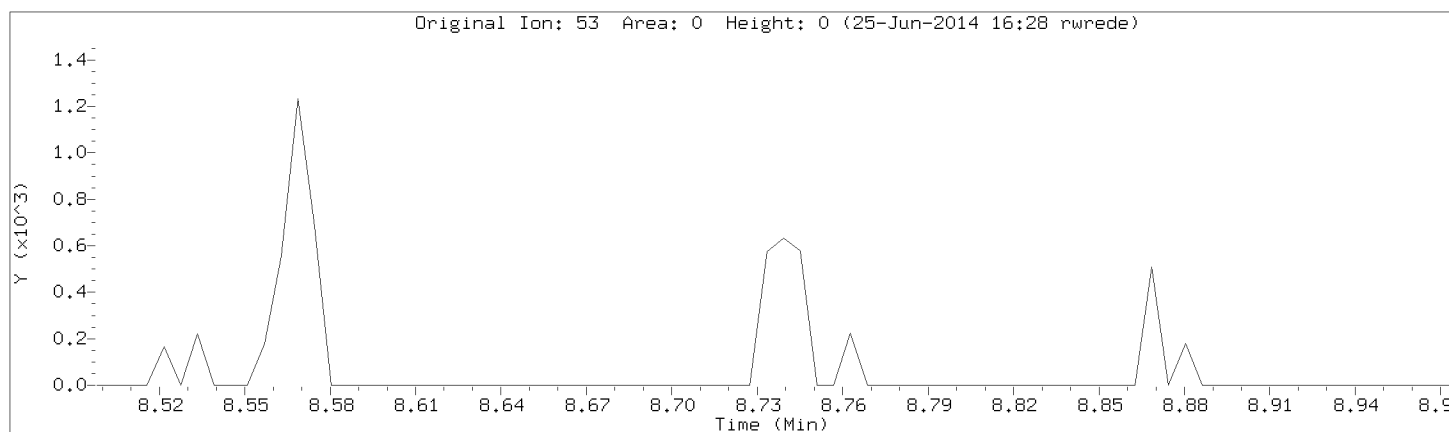
Injection Date: 25-JUN-2014 16:12

Instrument: 50mv4b.i

Lab Sample ID: 8260-CAL1

Compound: trans-1,4-Dichloro-2-butene

CAS Number:

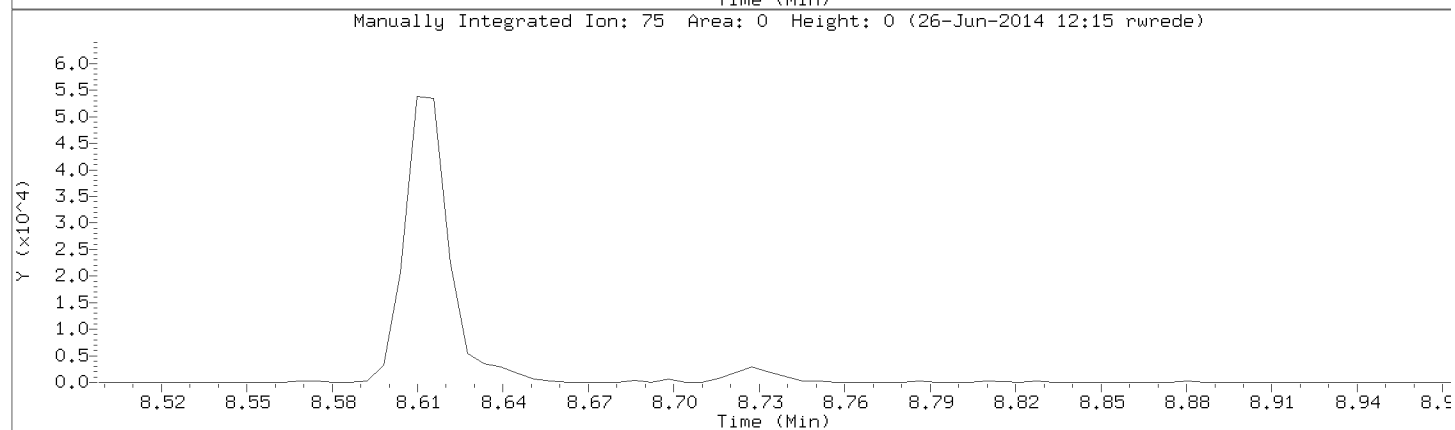
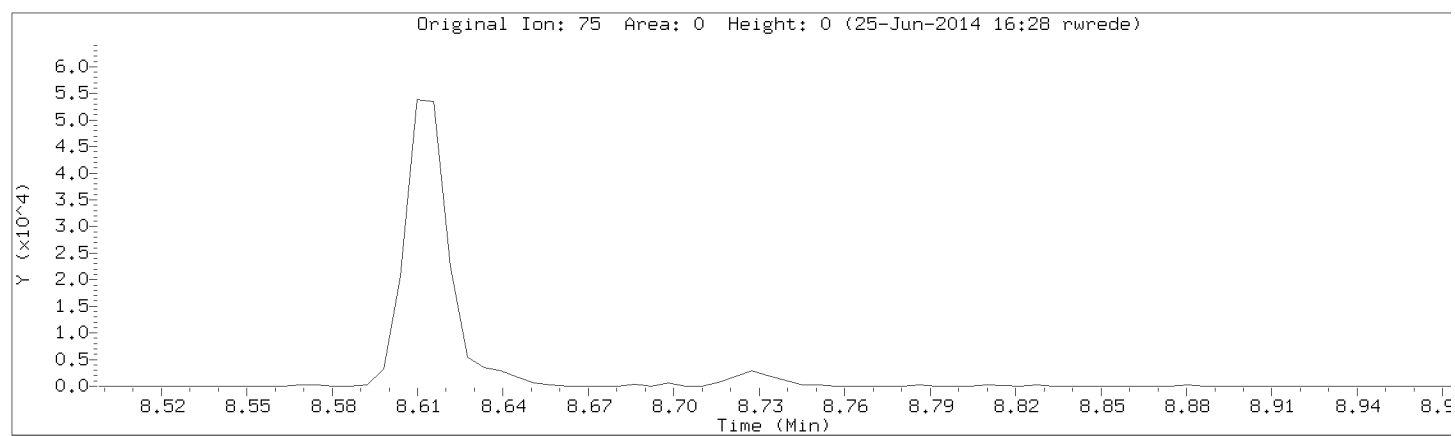


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Injection Date: 25-JUN-2014 16:12

Instrument: 50mv4b.i

Lab Sample ID: 8260-CAL1



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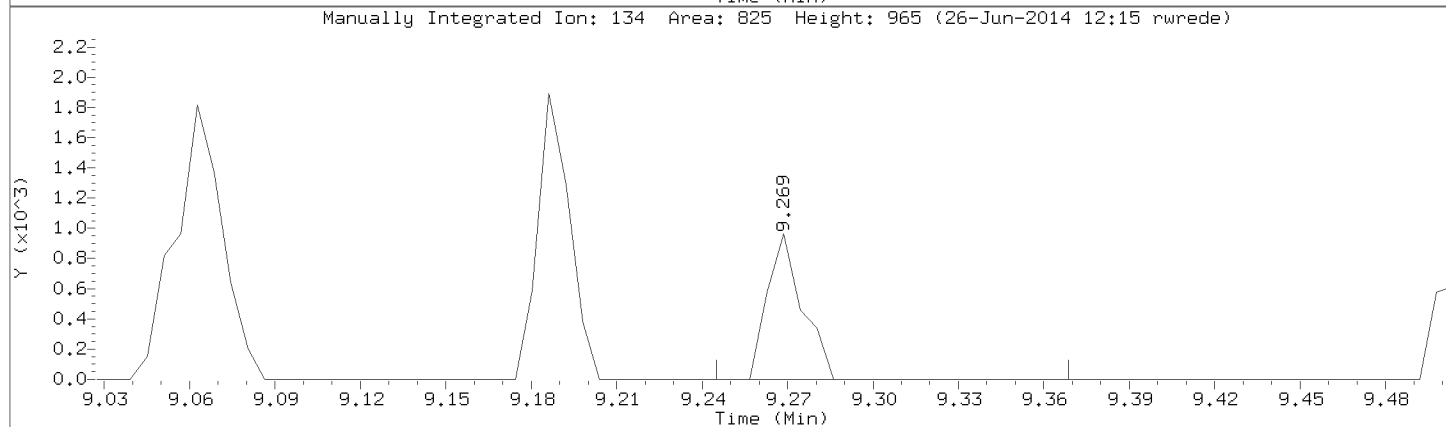
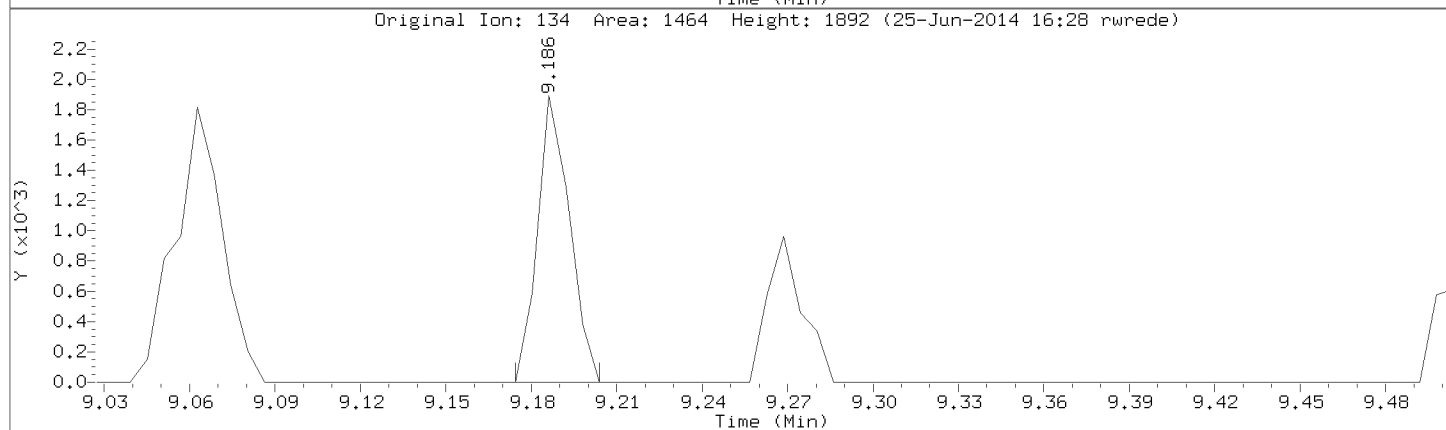
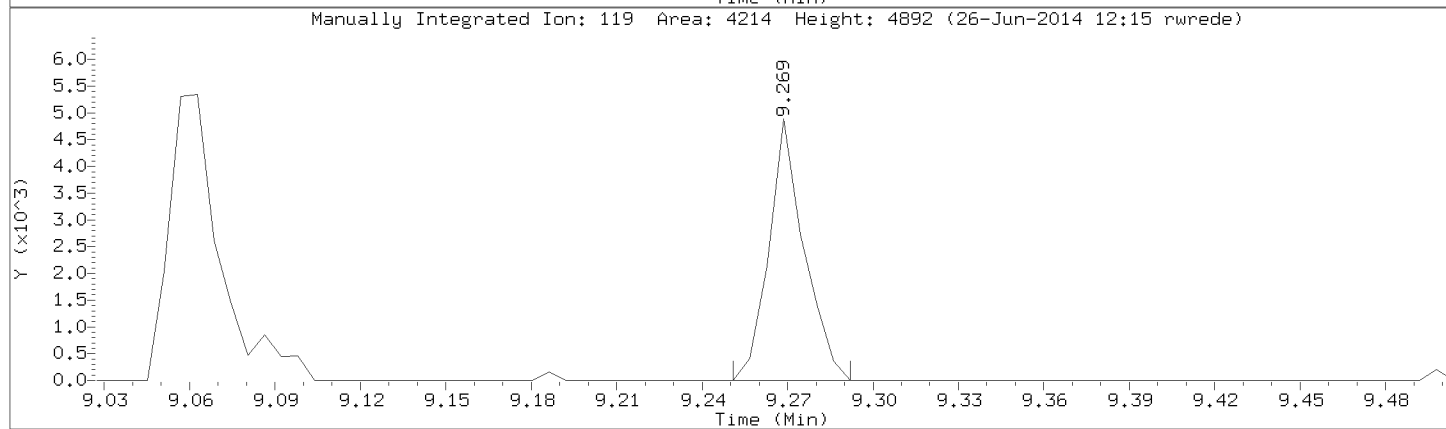
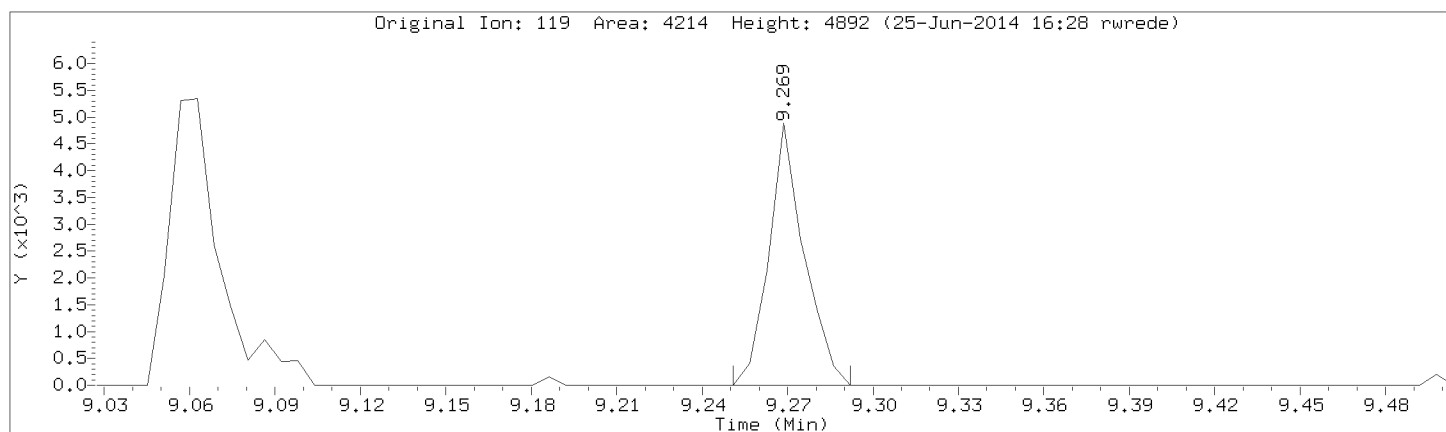
Injection Date: 25-JUN-2014 16:12

Instrument: 50mv4b.i

Lab Sample ID: 8260-CAL1

Compound: p-Isopropyltoluene

CAS Number: 99-87-6

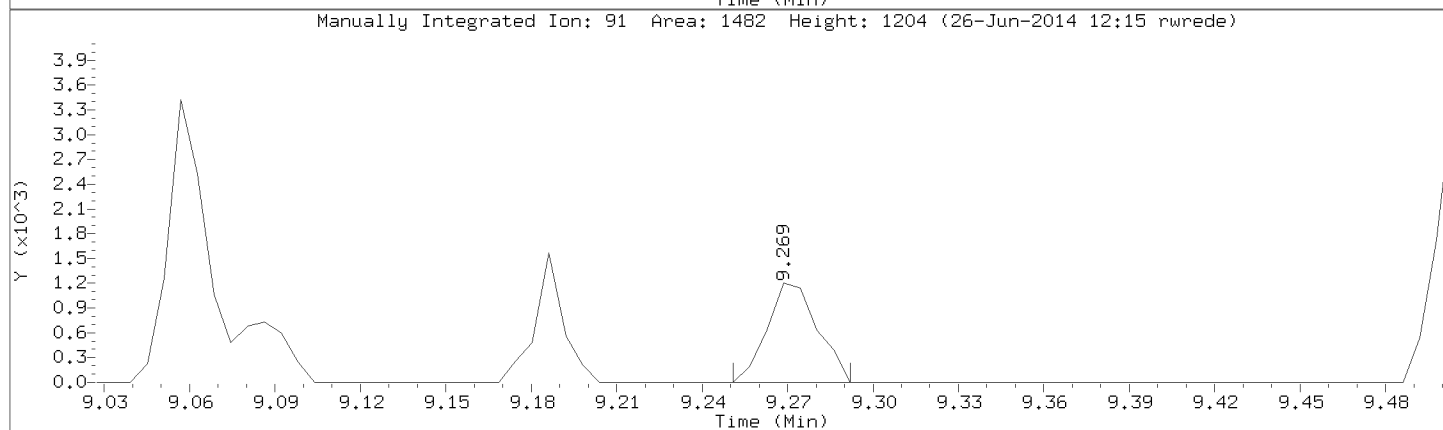
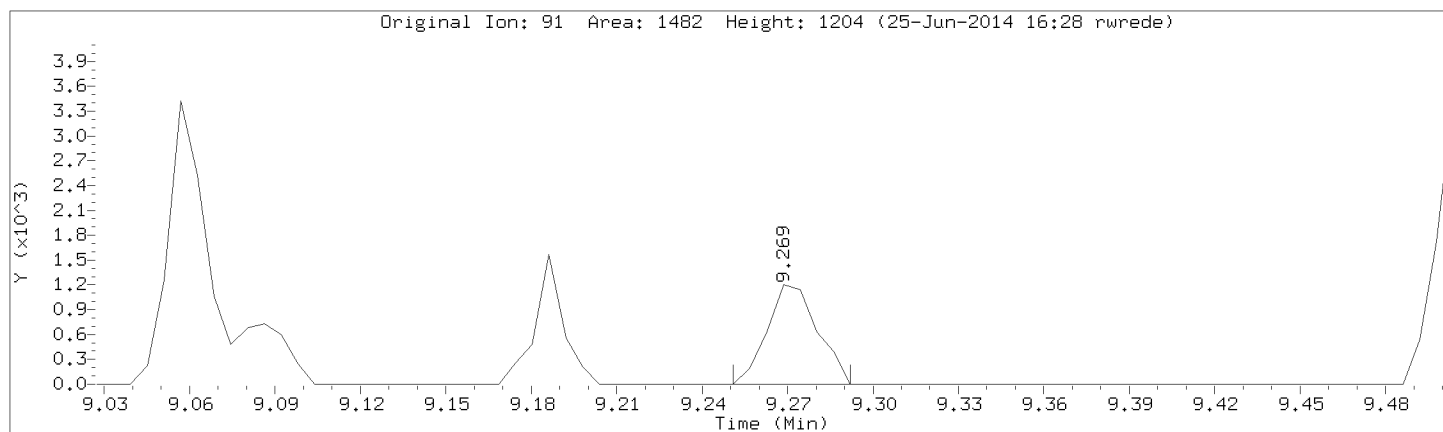


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Injection Date: 25-JUN-2014 16:12

Instrument: 50mv4b.i

Lab Sample ID: 8260-CAL1



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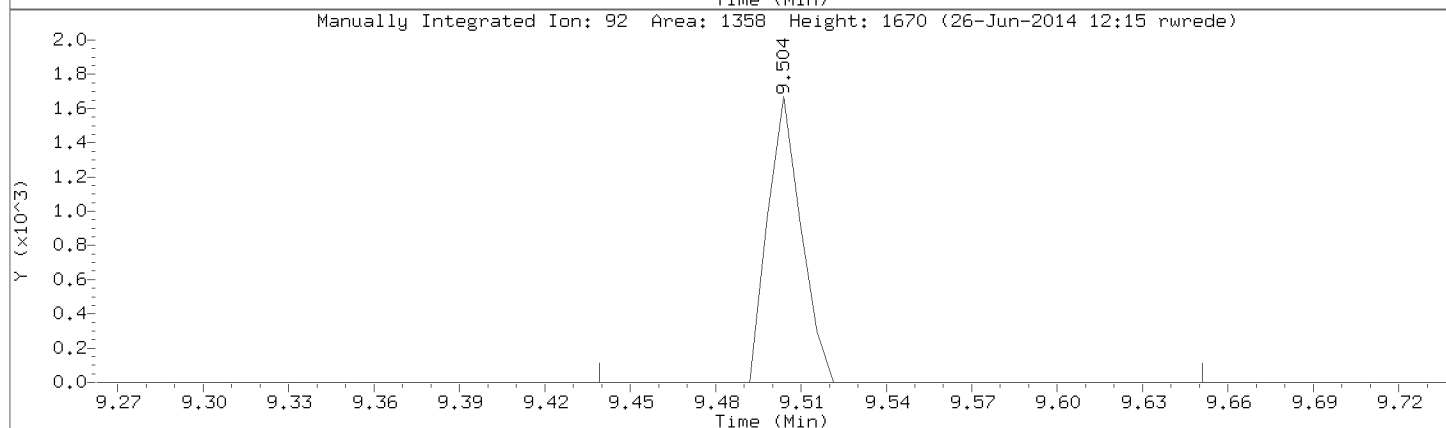
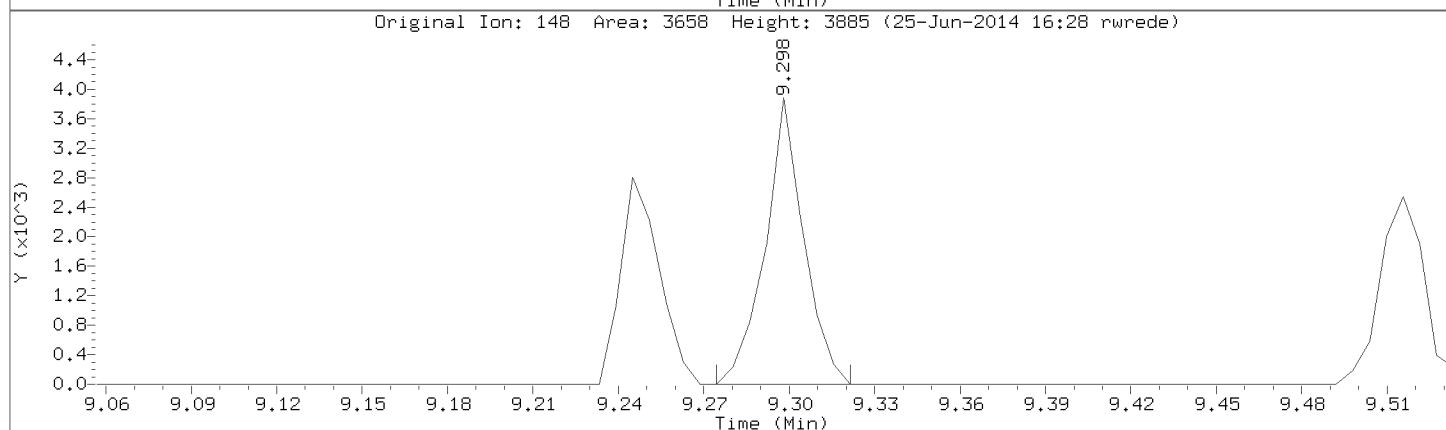
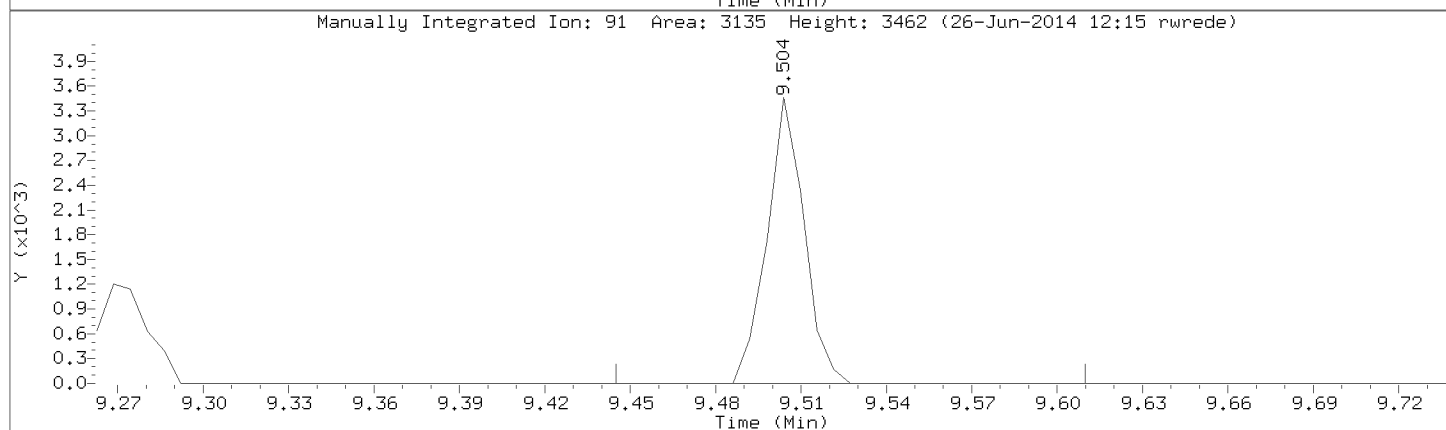
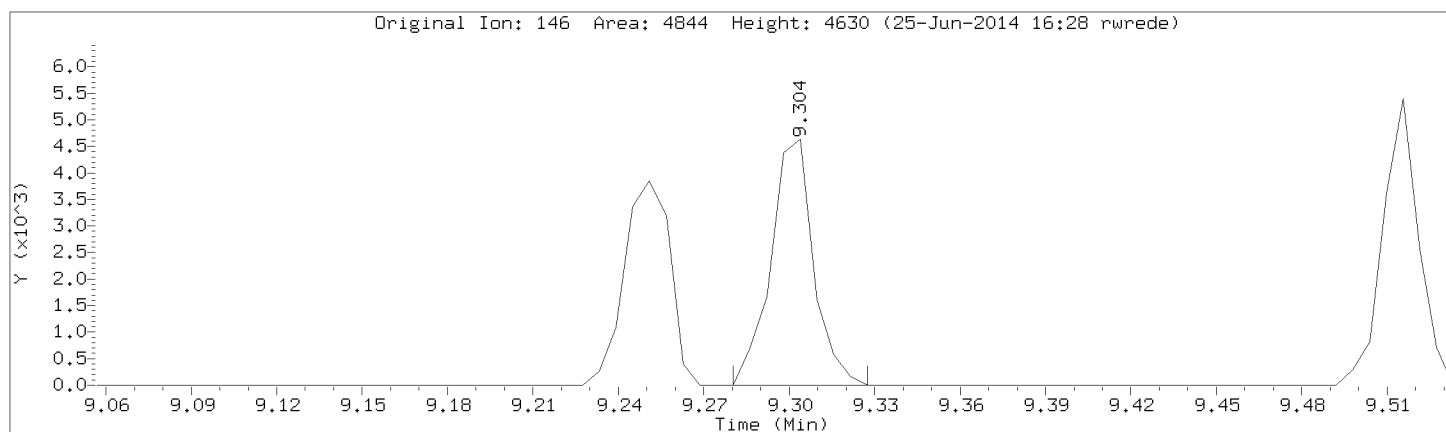
Injection Date: 25-JUN-2014 16:12

Instrument: 50mv4b.i

Lab Sample ID: 8260-CAL1

Compound: n-Butylbenzene

CAS Number: 104-51-8

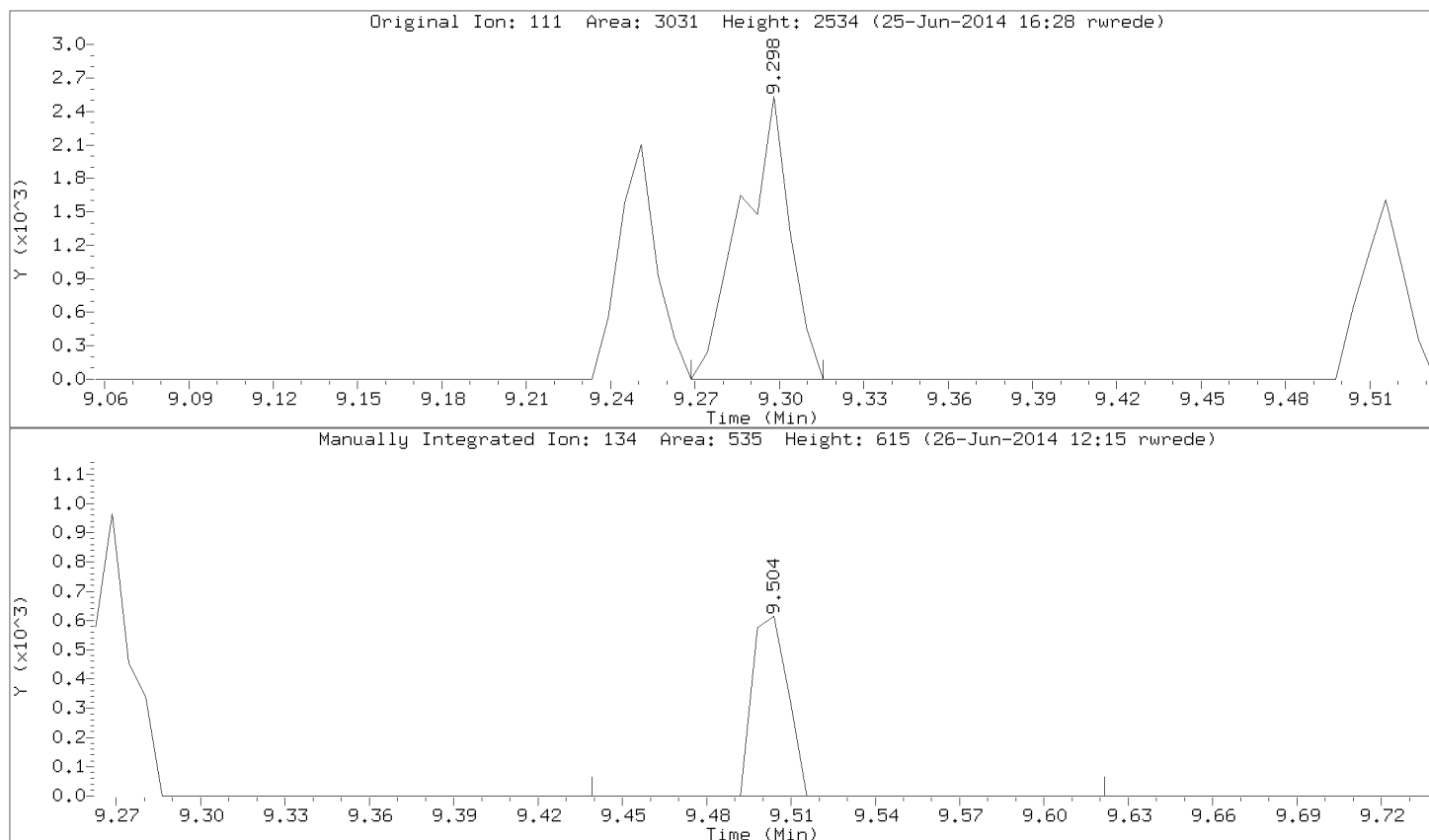


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Injection Date: 25-JUN-2014 16:12

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Lab Sample ID: 8260-CAL1



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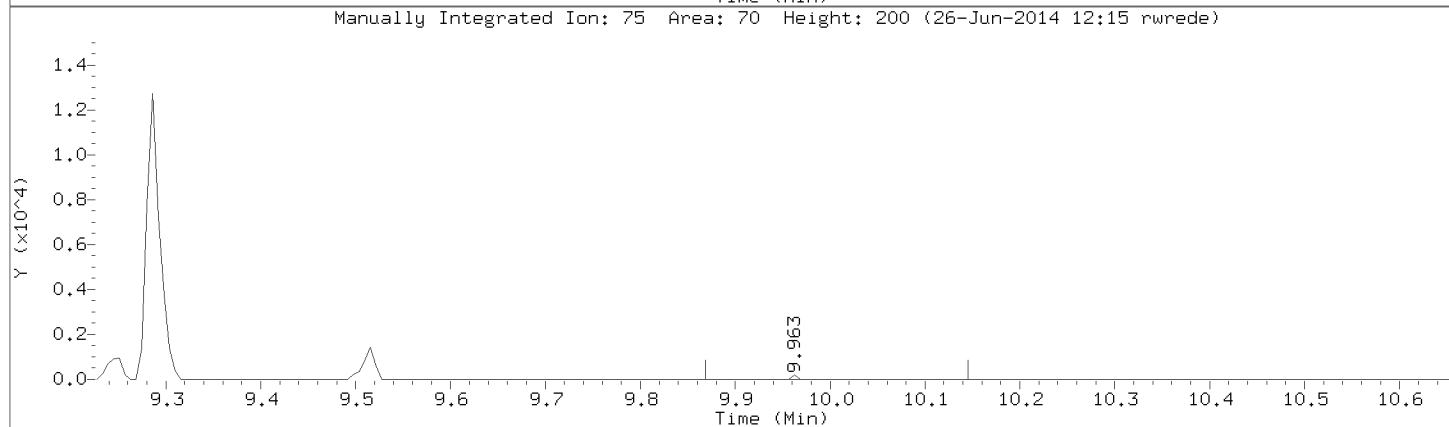
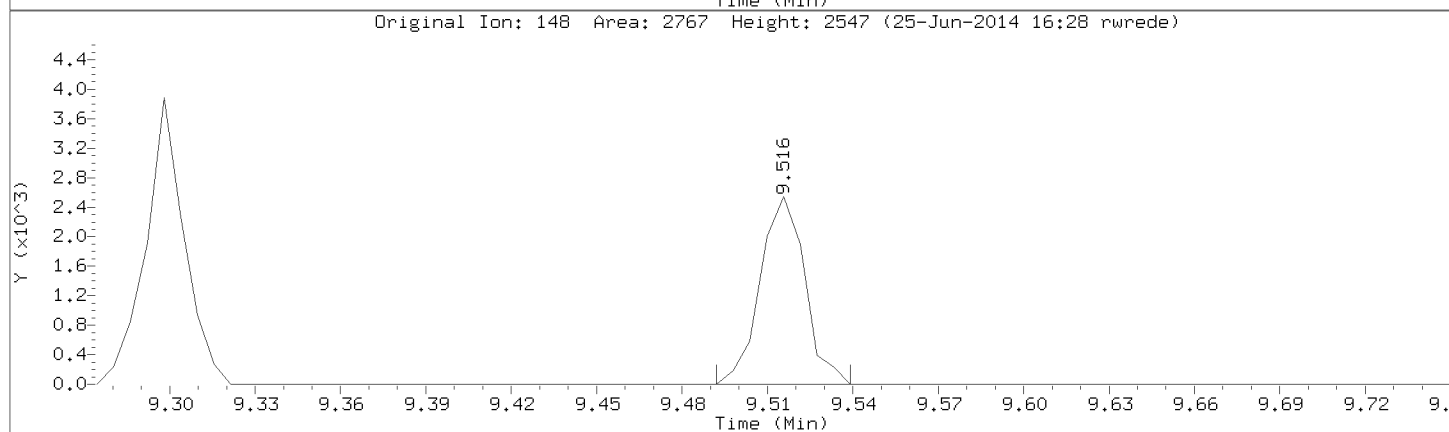
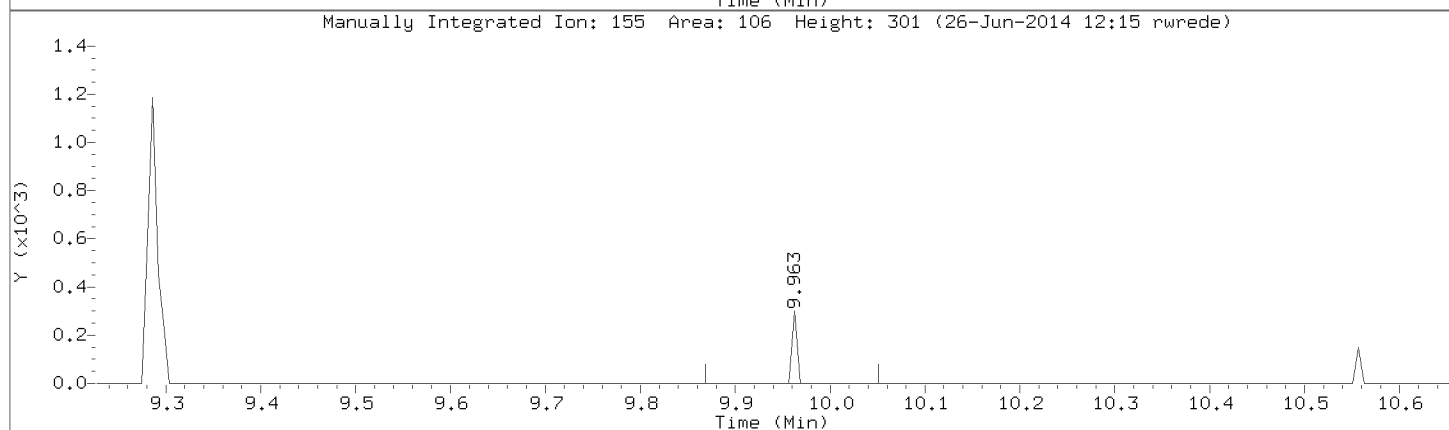
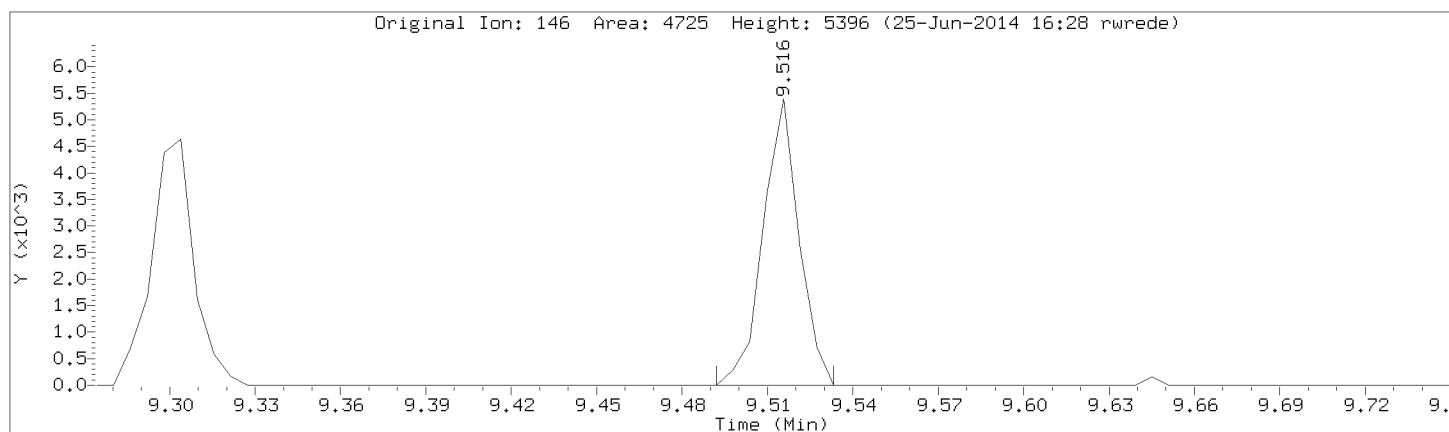
Injection Date: 25-JUN-2014 16:12

Instrument: 50mv4b.i

Lab Sample ID: 8260-CAL1

Compound: 1,2-Dibromo-3-chloropropane

CAS Number: 96-12-8

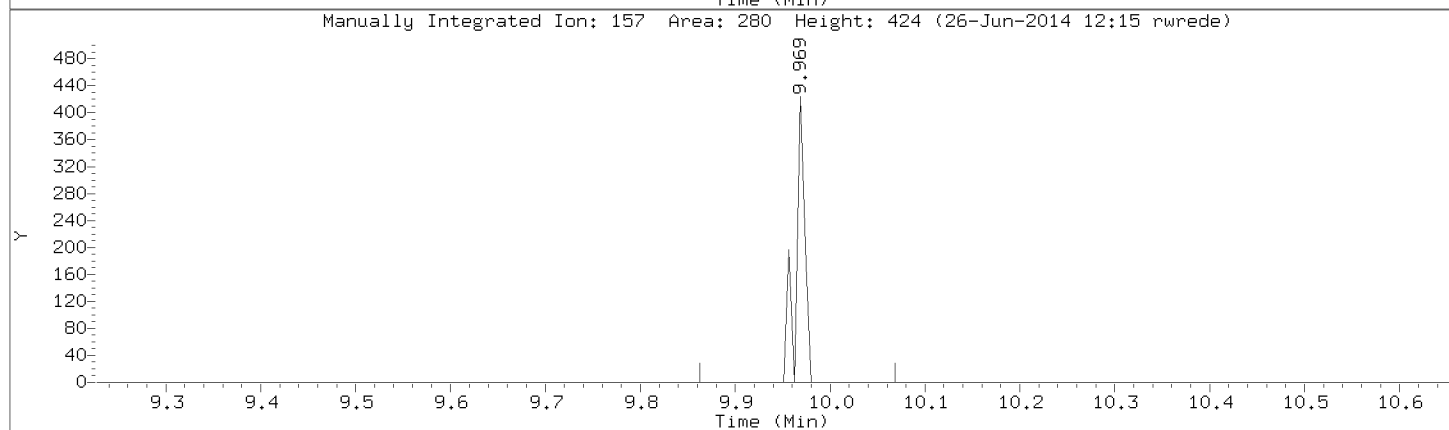
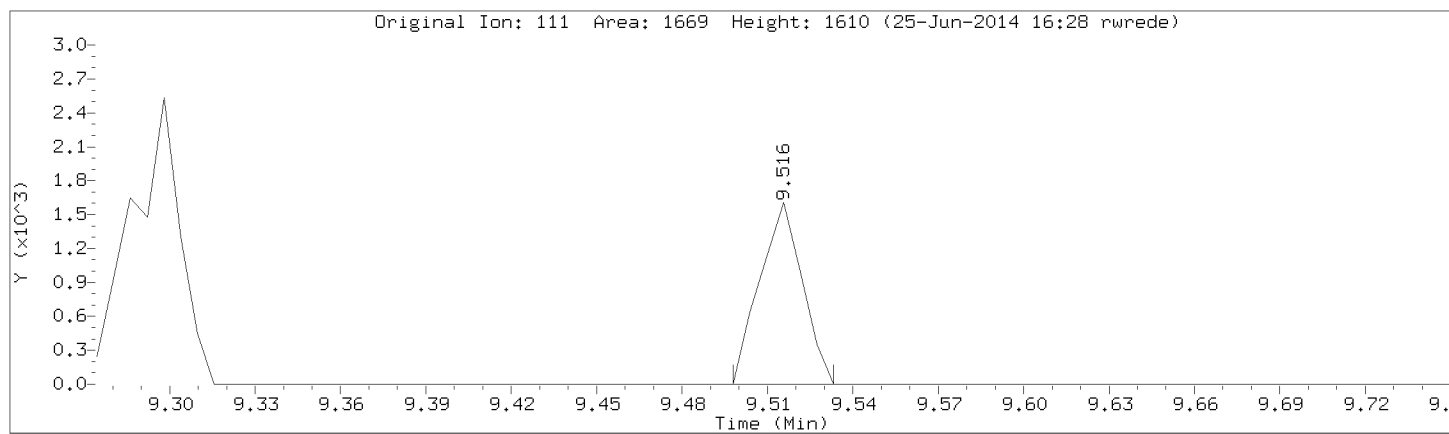


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Injection Date: 25-JUN-2014 16:12

Instrument: 50mv4b.i

Lab Sample ID: 8260-CAL1



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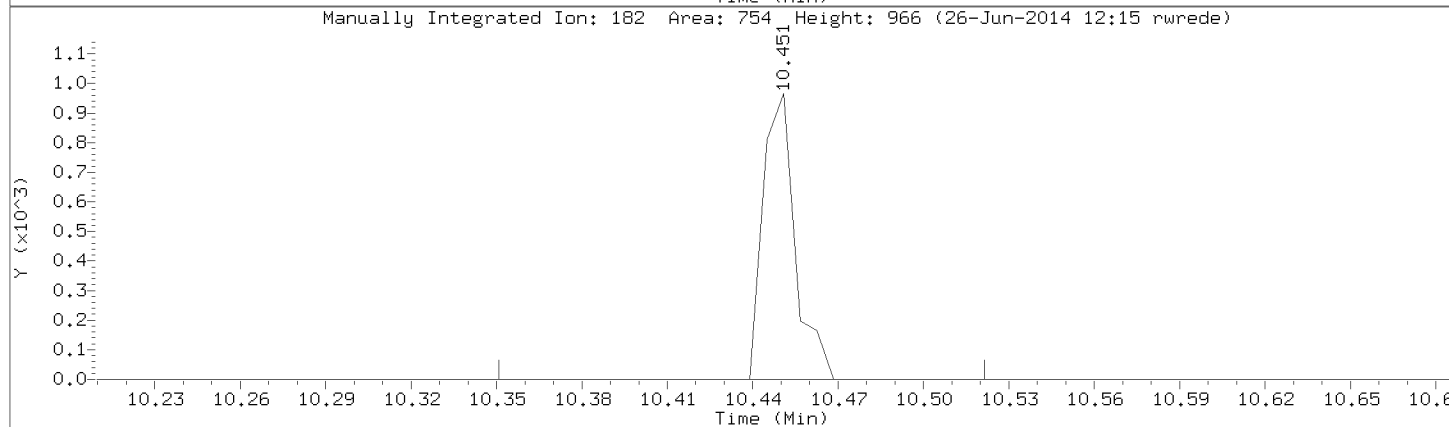
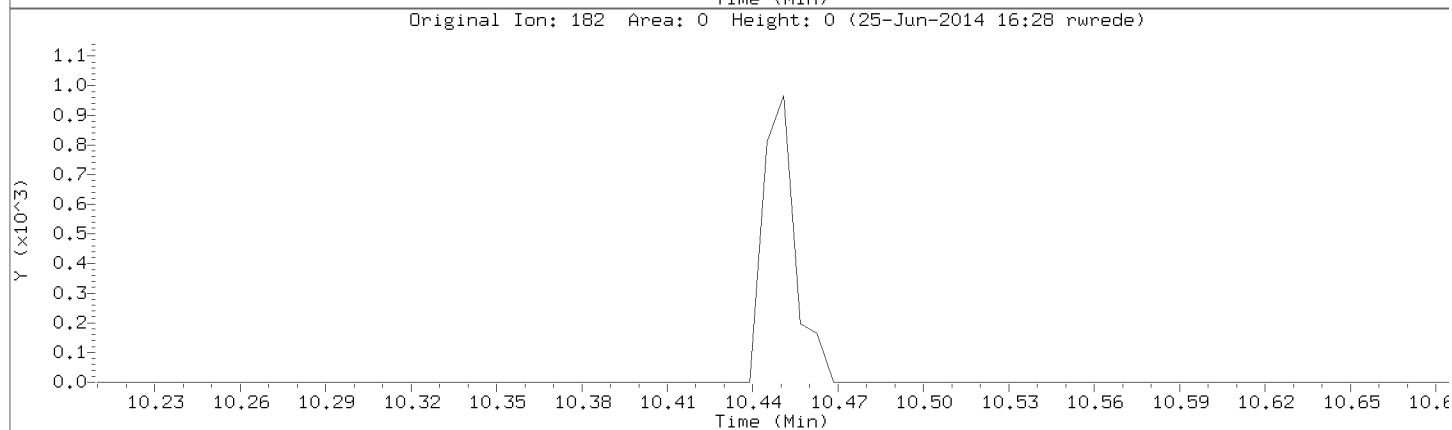
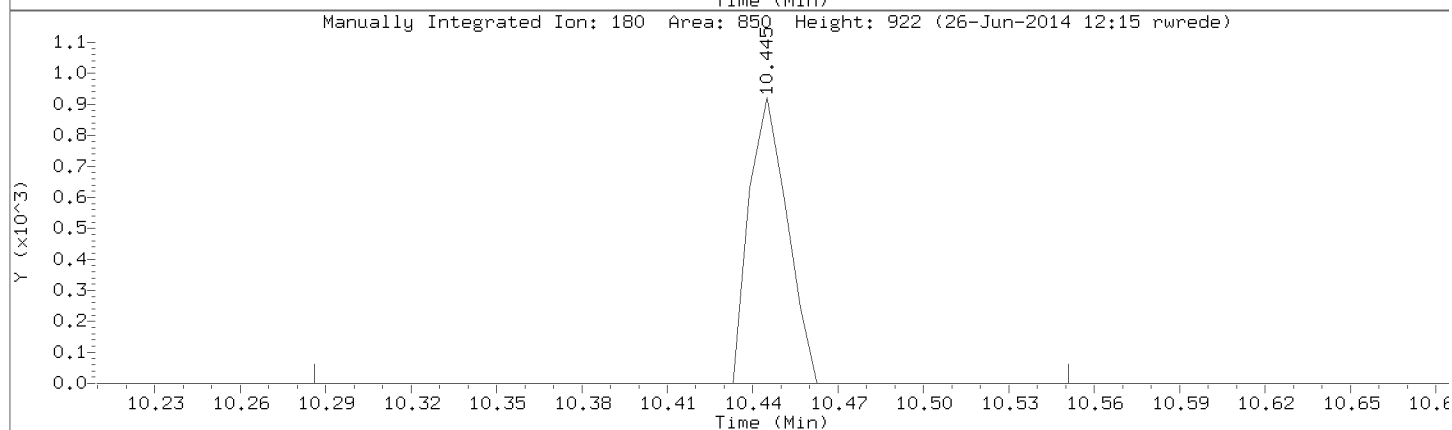
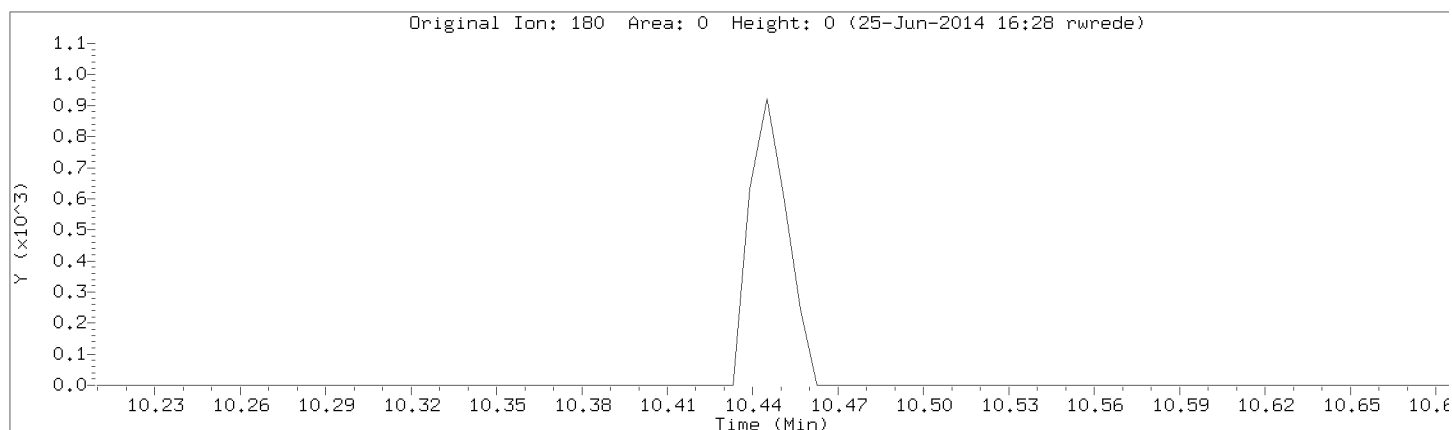
Injection Date: 25-JUN-2014 16:12

Instrument: 50mv4b.i

Lab Sample ID: 8260-CAL1

Compound: 1,2,4-Trichlorobenzene

CAS Number: 120-82-1

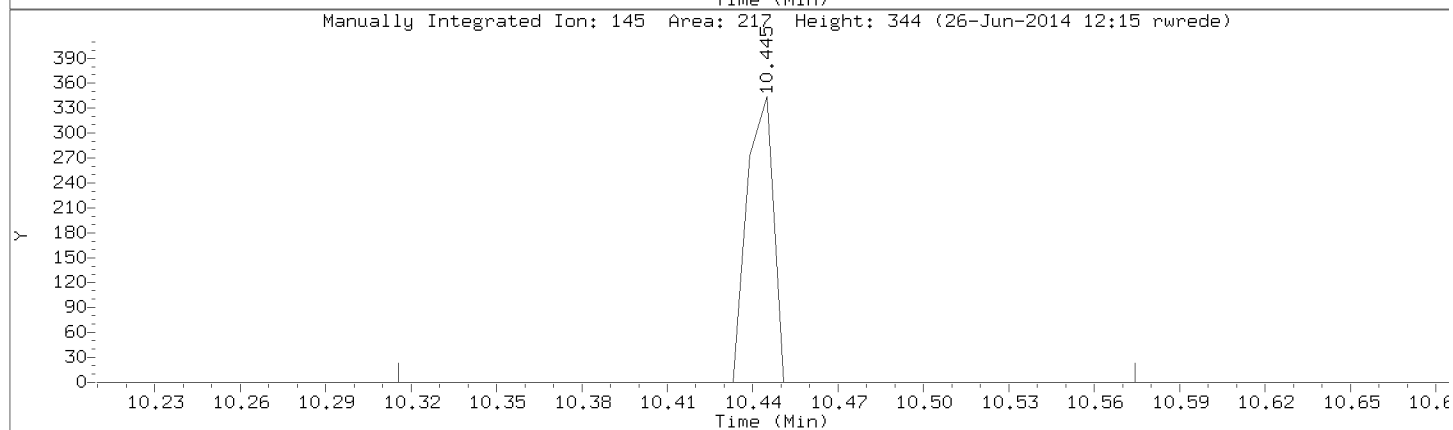
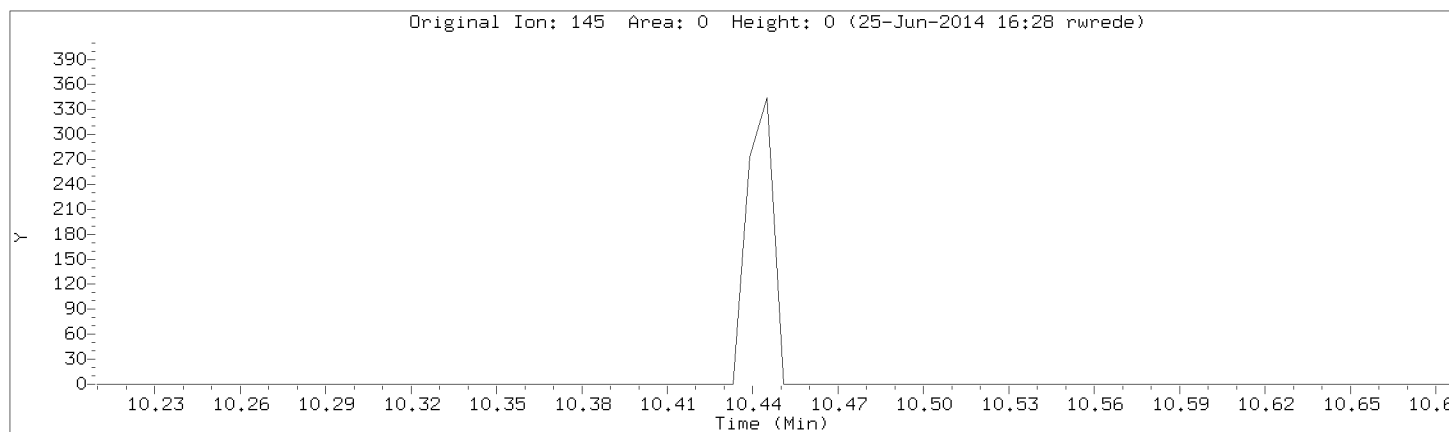


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Injection Date: 25-JUN-2014 16:12

Instrument: 50mv4b.i

Lab Sample ID: 8260-CAL1



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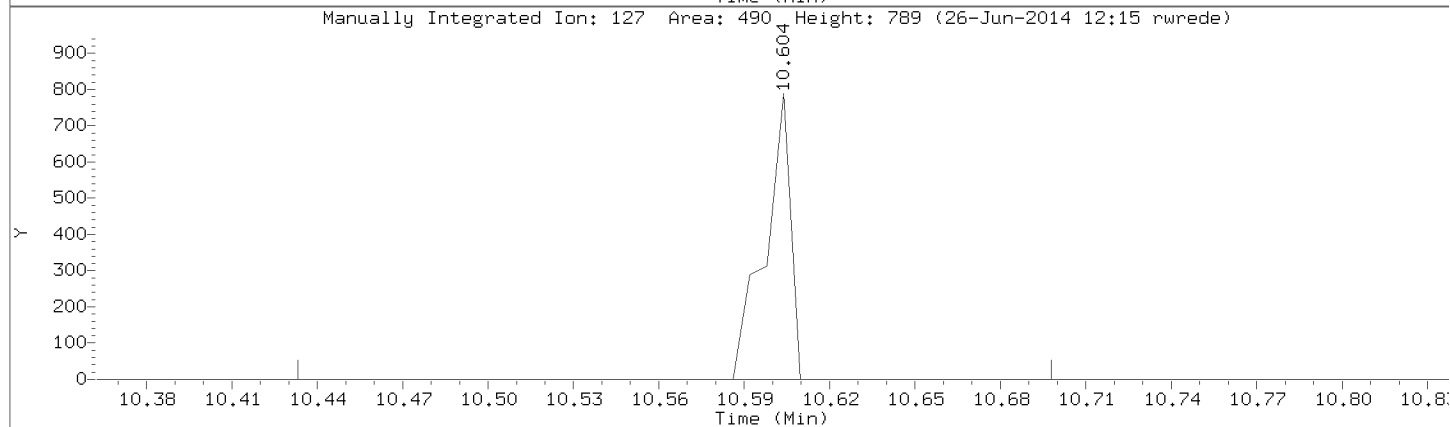
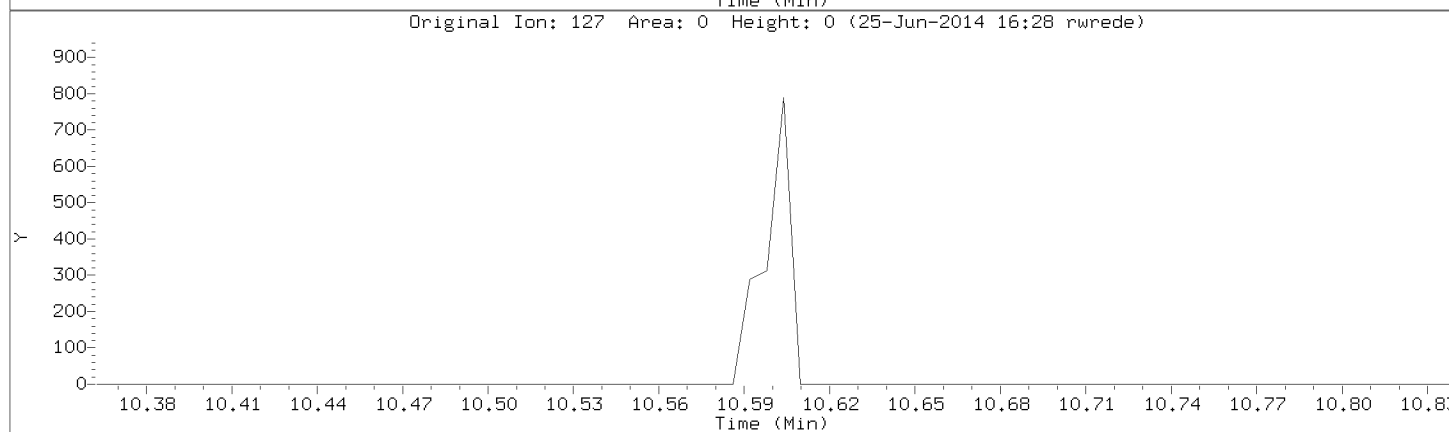
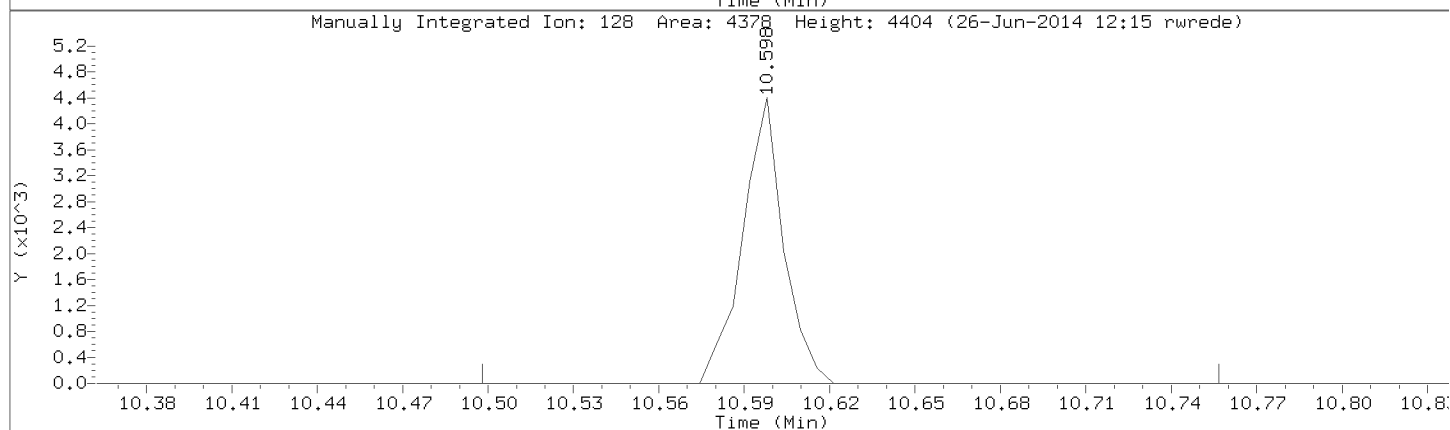
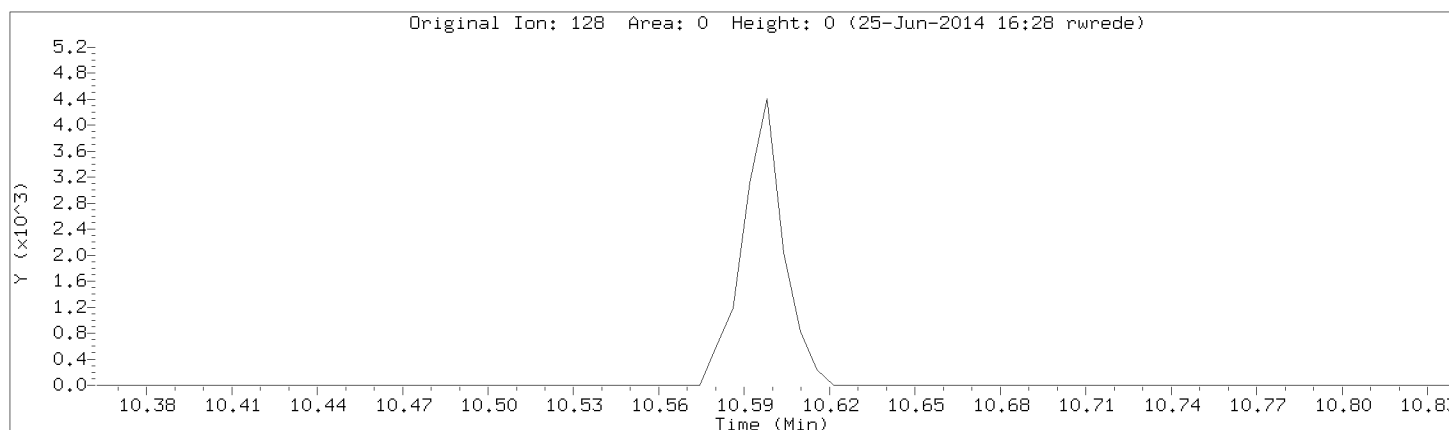
Injection Date: 25-JUN-2014 16:12

Instrument: 50mv4b.i

Lab Sample ID: 8260-CAL1

Compound: Naphthalene

CAS Number: 91-20-3



Pace Analytical Services, Inc.

Data file : \\192.168.50.6\chem\50mv4b.i\b062514cal.b\b03.d
 Lab Smp Id: 8260-CAL2 Client Smp ID: 8260-CAL2
 Inj Date : 25-JUN-2014 16:44
 Operator : rsw Inst ID: 50mv4b.i
 Smp Info : 8260-cal2,71411:0
 Misc Info : 66151
 Comment :
 Method : \\192.168.50.6\chem\50mv4b.i\b062514cal.b\b03.d
 Meth Date : 26-Jun-2014 12:22 rwrede Quant Type: ISTD
 Cal Date : 23-JUN-2014 22:07 Cal File: d01cal6.d
 Als bottle: 8 Calibration Sample, Level: 2
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: all.sub
 Target Version: 4.14

Concentration Formula: Amt * DF * Uf/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT	SIG	AMOUNTS					REVIEW C	
			MASS	RT	EXP RT	REL RT	RESPONSE		CAL-AMT (ppb)
1 Dichlorodifluoromethane	85		1.057	1.057	(0.205)	8775	1.00000	1.03	
2 Chloromethane	50		1.180	1.192	(0.228)	14995	1.00000	1.04	
3 Vinyl Chloride	62		1.227	1.227	(0.238)	9311	1.00000	0.937	
4 Bromomethane	94		1.422	1.422	(0.275)	2460	1.00000	0.834 (Q)	
5 Chloroethane	64		1.480	1.480	(0.286)	6301	1.00000	1.08	
6 Trichlorofluoromethane	101		1.639	1.639	(0.317)	10022	1.00000	0.974	
7 Diethyl ether	74		1.827	1.833	(0.354)	4057	1.00000	1.31 (Q)	
8 1,2-dichlorotrifluoroethane	67		1.839	1.839	(0.356)	7754	1.00000	1.02	
9 Acrolein	56		1.922	1.922	(0.372)	32579	20.00000	21.2	
10 1,1,2trichlorotrifluoroethane	101		1.992	1.992	(0.386)	5861	1.00000	0.995	
11 1,1-Dichloroethene	96		1.986	1.986	(0.384)	5948	1.00000	1.08	
12 Acetone	43		2.027	2.045	(0.392)	19585	5.00000	6.66	
13 Iodomethane	142		2.098	2.098	(0.406)	2153	2.00000	6.31	
14 Carbon Disulfide	76		2.145	2.145	(0.415)	31301	2.00000	2.18	
15 Acetonitrile	39		2.269	2.269	(0.439)	18904	1.00000	1.11 (M)	NI
16 allyl chloride	41		2.263	2.269	(0.438)	29946	2.00000	2.22	
17 Methyl Acetate	43		2.292	2.298	(0.444)	8560	1.00000	1.16	
18 Methylene Chloride	84		2.369	2.369	(0.458)	21812	1.00000	1.38 (M)	NI
19 tert-Butyl Alcohol	59		2.498	2.527	(0.483)	1106	2.00000	1.07 (M)	LT
20 Acrylonitrile	53		2.592	2.604	(0.502)	79884	20.00000	24.9	
21 1,2-Dichloroethene (trans)	96		2.610	2.616	(0.505)	7067	1.00000	1.23	
22 Methyl-tert-butyl ether	73		2.616	2.627	(0.506)	25211	2.00000	2.24	
23 n-Hexane	57		2.886	2.886	(0.558)	13692	1.00000	1.11	

Compounds	QUANT SIG		AMOUNTS					REVIEW C
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ppb)	ON-COL (ppb)	
24 1,1-Dichloroethane	63	3.033	3.039	(0.587)	14079	1.00000	1.13	
25 Vinyl Acetate	43	3.121	3.127	(0.604)	58917	4.00000	3.27 (M)	
26 chloroprene	53	3.133	3.139	(0.606)	12363	1.00000	1.01	
27 2,2-Dichloropropane	77	3.733	3.739	(0.722)	3430	1.00000	4.93 (M)	LT
28 1,2-Dichloroethene (cis)	96	3.739	3.757	(0.723)	6253	1.00000	0.920	
29 2-Butanone	43	3.816	3.821	(0.738)	19638	5.00000	5.13	
30 Propionitrile	54	3.892	3.904	(0.753)	704	1.00000	0.681 (Q)	
31 Bromochloromethane	49	4.068	4.074	(0.787)	9851	1.00000	1.17	
32 Methacrylonitrile	41	4.086	4.098	(0.791)	4897	1.00000	0.849 (Q)	
33 Tetrahydrofuran	42	4.139	4.151	(0.801)	4630	1.00000	1.52	
34 Chloroform	83	4.198	4.210	(0.812)	10953	1.00000	1.06 (M)	
35 1,1,1-Trichloroethane	97	4.392	4.398	(0.850)	6808	1.00000	0.914 (M)	
\$ 36 Dibromofluoromethane (S)	113	4.398	4.410	(0.851)	93356	50.00000	49.0	
37 Cyclohexane	56	4.439	4.451	(0.859)	13462	1.00000	0.983	
38 Carbon Tetrachloride	117	4.586	4.592	(0.887)	5519	1.00000	0.935	
39 1,1-Dichloropropene	75	4.598	4.604	(0.890)	7970	1.00000	1.01	
40 Benzene	78	4.839	4.839	(0.936)	27063	1.00000	1.10	
41 1,2-Dichloroethane	62	4.874	4.880	(0.943)	12271	1.00000	1.25	
42 2,2,4-Trimethylpentane	57	4.951	4.963	(0.958)	18511	1.00000	0.872	
43 Isobutyl alcohol	43	4.957	4.957	(0.959)	4243	1.00000	0.947	
* 44 Fluorobenzene	96	5.168	5.168	(1.000)	374472	50.00000		
45 Trichloroethene	95	5.557	5.563	(1.075)	6378	1.00000	1.06 (Q)	
46 Methylcyclohexane	55	5.739	5.739	(1.110)	10141	1.00000	0.975	
47 1,2-Dichloropropane	63	5.792	5.792	(1.121)	7481	1.00000	1.04	
48 Dibromomethane	93	5.904	5.904	(1.142)	3401	1.00000	0.969	
49 1,4-Dioxane	88	5.962	6.015	(1.154)	973	20.00000	(QM)	LT
50 Methyl methacrylate	69	5.968	5.974	(1.155)	2839	1.00000	2.03	
51 Bromodichloromethane	83	6.080	6.086	(1.176)	5707	1.00000	0.903	
52 2-Chloroethyl vinyl ether	63	6.415	6.415	(0.815)	5224	2.00000	4.59	
53 cis-1,3-Dichloropropene	75	6.521	6.527	(0.828)	4832	1.00000	3.12	
54 4-Methyl-2-Pentanone	43	6.698	6.704	(0.851)	32410	5.00000	4.47	
\$ 55 Toluene-d8	98	6.762	6.768	(0.859)	370546	50.00000	49.9	
56 Toluene	91	6.827	6.827	(0.867)	28751	1.00000	1.09	
57 trans-1,3-Dichloropropene	75	7.056	7.051	(0.896)	3683	1.00000	4.33	
58 Ethyl Methacrylate	69	7.151	7.157	(0.908)	3939	1.00000	2.26 (M)	
59 1,1,2-Trichloroethane	83	7.192	7.192	(0.913)	5461	1.00000	1.24	
60 Tetrachloroethene	166	7.286	7.280	(0.925)	7475	1.00000	1.06	
61 1,3-Dichloropropane	76	7.315	7.315	(0.929)	10143	1.00000	1.15	
62 2-Hexanone	43	7.409	7.409	(0.941)	21482	5.00000	4.52	
63 Dibromochloromethane	129	7.480	7.480	(0.950)	4175	1.00000	3.42	
64 1,2-Dibromoethane	107	7.551	7.551	(0.959)	5128	1.00000	0.991	
* 65 Chlorobenzene-d5	117	7.874	7.874	(1.000)	294632	50.00000		
66 Chlorobenzene	112	7.892	7.892	(1.002)	20142	1.00000	1.09	
67 1,1,1,2-Tetrachloroethane	131	7.951	7.951	(1.010)	4688	1.00000	2.39	
68 Ethylbenzene	106	7.974	7.974	(1.013)	9673	1.00000	1.09 (Q)	
69 m&p-Xylene	106	8.051	8.051	(1.022)	19707	2.00000	1.93	
70 o-Xylene	106	8.298	8.298	(1.054)	9307	1.00000	0.965	
71 Styrene	104	8.309	8.309	(1.055)	11523	1.00000	1.28	
72 Bromoform	173	8.415	8.415	(0.906)	1901	1.00000	3.70 (M)	NI
73 Isopropylbenzene	105	8.527	8.527	(1.083)	20227	1.00000	0.341	
\$ 74 4-Bromofluorobenzene	95	8.615	8.615	(1.094)	116884	50.00000	47.4	
75 Bromobenzene	77	8.698	8.698	(1.105)	9592	1.00000	1.04	
76 1,1,2,2-Tetrachloroethane	83	8.709	8.709	(0.938)	7502	1.00000	1.27 (M)	NI
77 1,2,3-Trichloropropane	110	8.733	8.733	(0.940)	2083	1.00000	1.15	

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS		REVIEW C
						CAL-AMT (ppb)	ON-COL (ppb)	
78 trans-1,4-Dichloro-2-butene	53	8.745	8.745	(1.111)	1654	1.00000	3.03 (QM)	WP
79 n-Propylbenzene	91	8.768	8.768	(0.944)	19241	1.00000	0.978	
80 2-Chlorotoluene	91	8.815	8.815	(0.949)	17959	1.00000	1.24	
81 1,3,5-Trimethylbenzene	105	8.874	8.874	(0.956)	12178	1.00000	0.952	
82 4-Chlorotoluene	126	8.880	8.880	(0.956)	5501	1.00000	1.11	
83 tert-Butylbenzene	119	9.062	9.062	(0.976)	13509	1.00000	0.930	
84 1,2,4-Trimethylbenzene	105	9.086	9.092	(0.978)	11078	1.00000	1.37	
85 sec-Butylbenzene	105	9.186	9.192	(0.989)	14201	1.00000	0.932	
86 1,3-Dichlorobenzene	146	9.250	9.251	(0.996)	9669	1.00000	1.11	
87 p-Isopropyltoluene	119	9.274	9.274	(0.999)	9715	1.00000	3.12	
* 88 1,4-Dichlorobenzene-d4	152	9.286	9.292	(1.000)	97358	50.00000		
89 1,4-Dichlorobenzene	146	9.303	9.303	(1.002)	10832	1.00000	1.22	
90 n-Butylbenzene	91	9.509	9.509	(1.024)	6236	1.00000	4.12	
91 1,2-Dichlorobenzene	146	9.515	9.521	(1.025)	8701	1.00000	1.06	
92 1,2-Dibromo-3-chloropropane	155	9.974	9.974	(1.074)	75	1.00000	3.85 (QM)	WP
93 1,2,4-Trichlorobenzene	180	10.456	10.456	(1.126)	1588	1.00000	5.30 (M)	NI
94 Hexachlorobutadiene	225	10.550	10.557	(1.136)	1612	1.00000	0.960	
95 Naphthalene	128	10.603	10.610	(1.142)	3896	1.00000	4.24	
96 1,2,3-Trichlorobenzene	180	10.750	10.756	(1.158)	2145	1.00000	4.78	
97 2,methyl-naphthalene	142	11.292	11.303	(1.216)	613	1.00000	3.75	
98 1-Methylnaphthalene	142	11.415	11.427	(2.208)	639	1.00000	1.66 (QM)	WP

QC Flag Legend

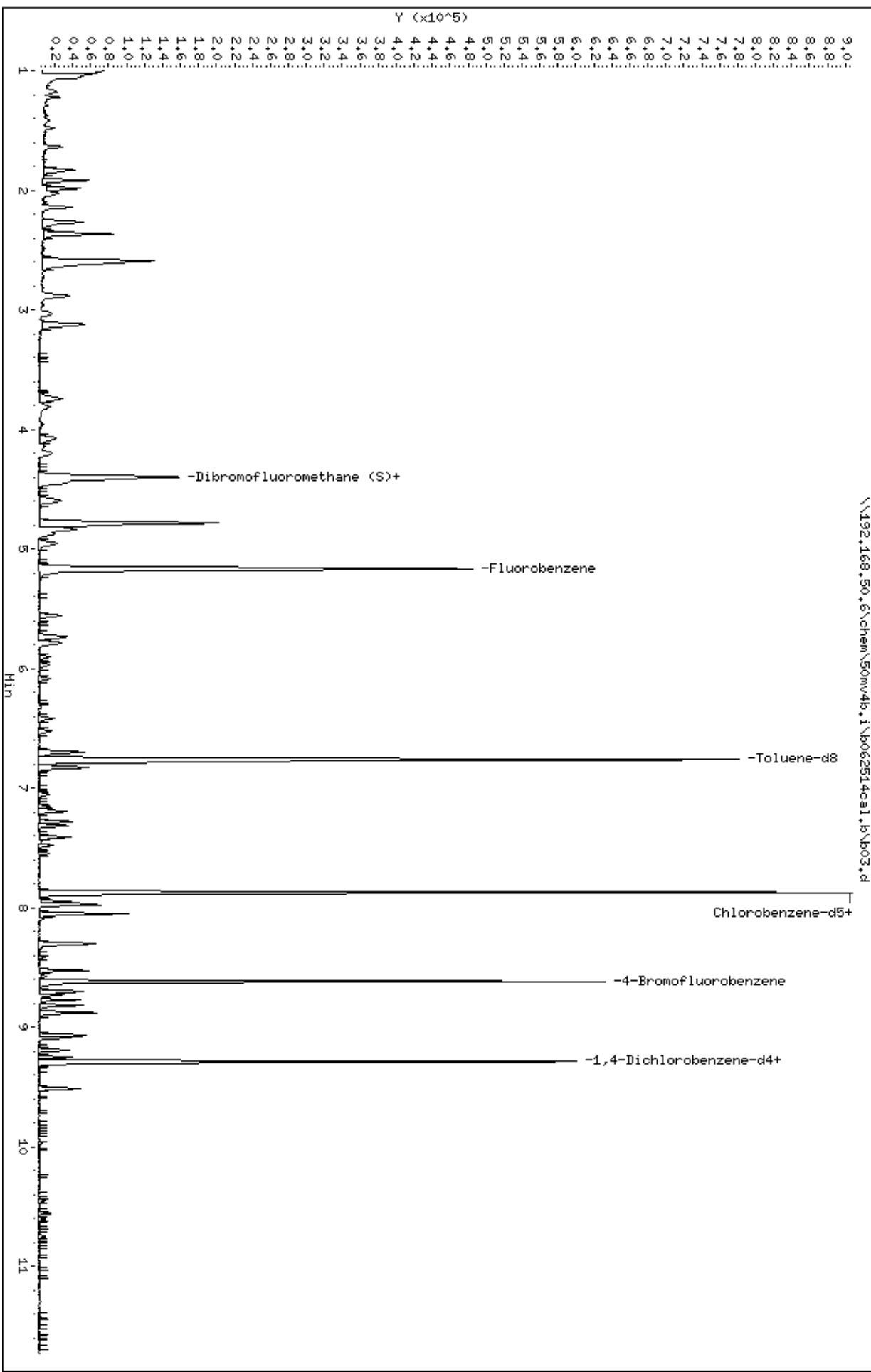
- Q - Qualifier signal failed the ratio test.
- M - Compound response manually integrated.

Review Codes Legend

- :
NI: Indicates that the peak was not integrated at all by the computer software.
- LT: Indicates that the peak in question was inappropriately integrated to an area less than what it should be (e.g., Peak area was cut).
- WP: Indicates that the wrong peak was chosen by the data system.

Data File: \\192.168.50.6\chem\50mw4b.i\p062514cal.b\k03.d
Date: 25-JUN-2014 16:44
Client ID: 8260-CAL2
Sample Info: 8260-CAL2,71411:0
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50mw4b.i
Operator: rsu
Column diameter: 0.18



Data File: \\192.168.50.6\chem\50mv4b.i\b062514cal.b\b03.d

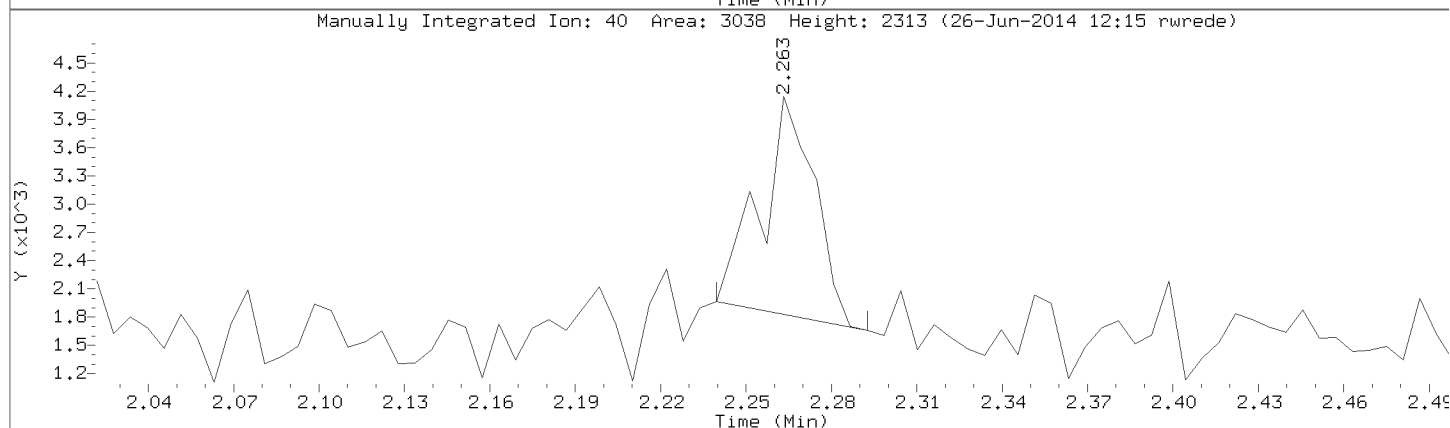
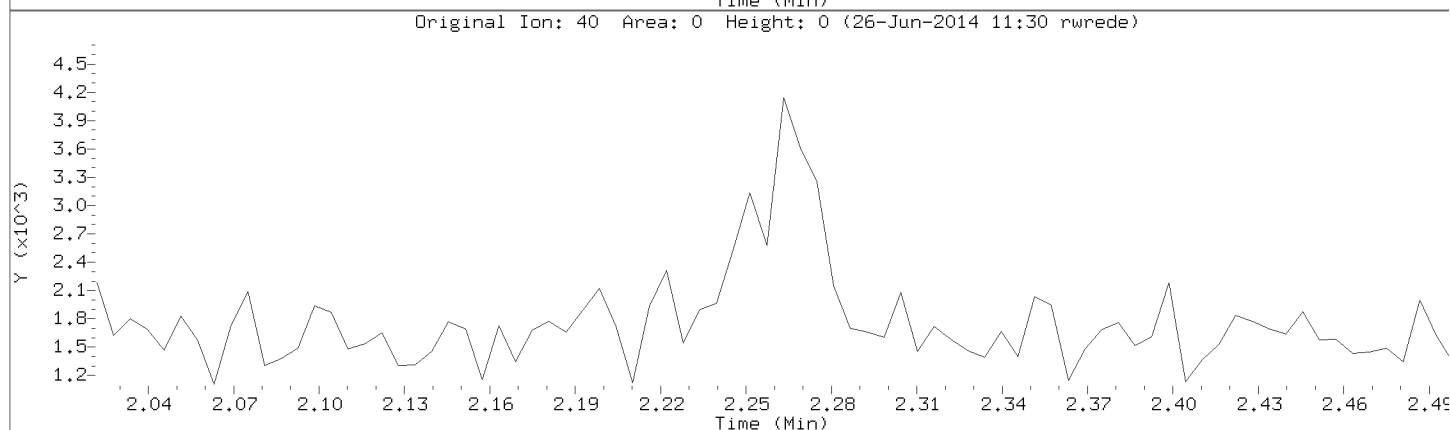
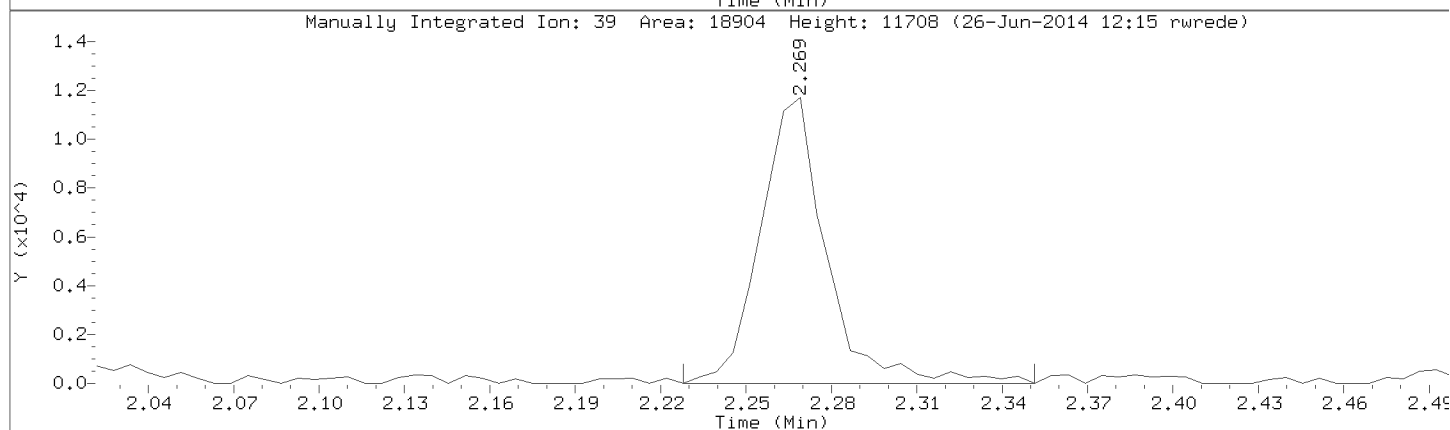
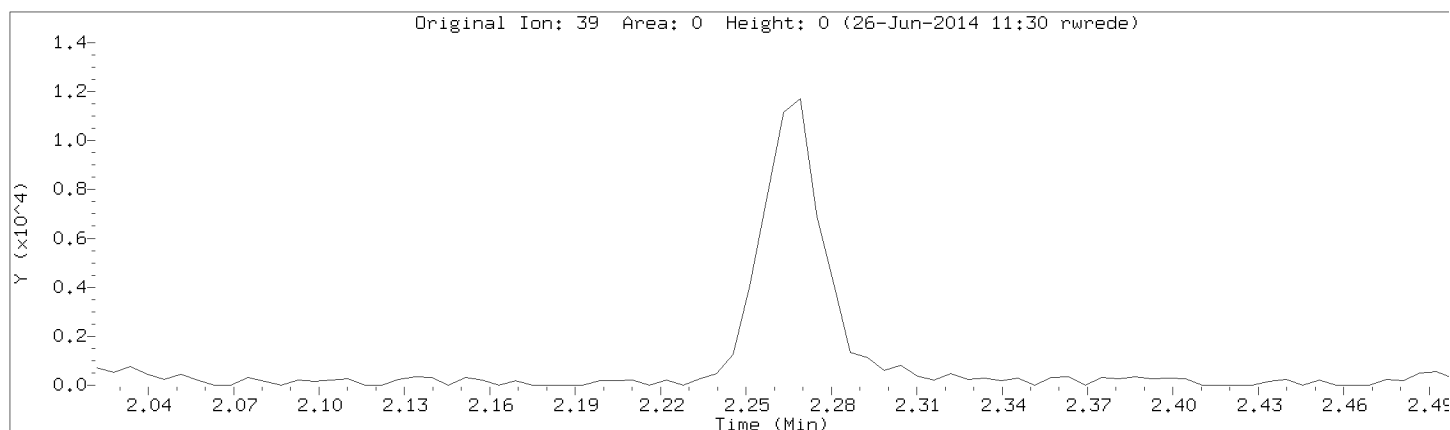
Injection Date: 25-JUN-2014 16:44

Instrument: 50mv4b.i

Lab Sample ID: 8260-CAL2

Compound: Acetonitrile

CAS Number: 75-05-8

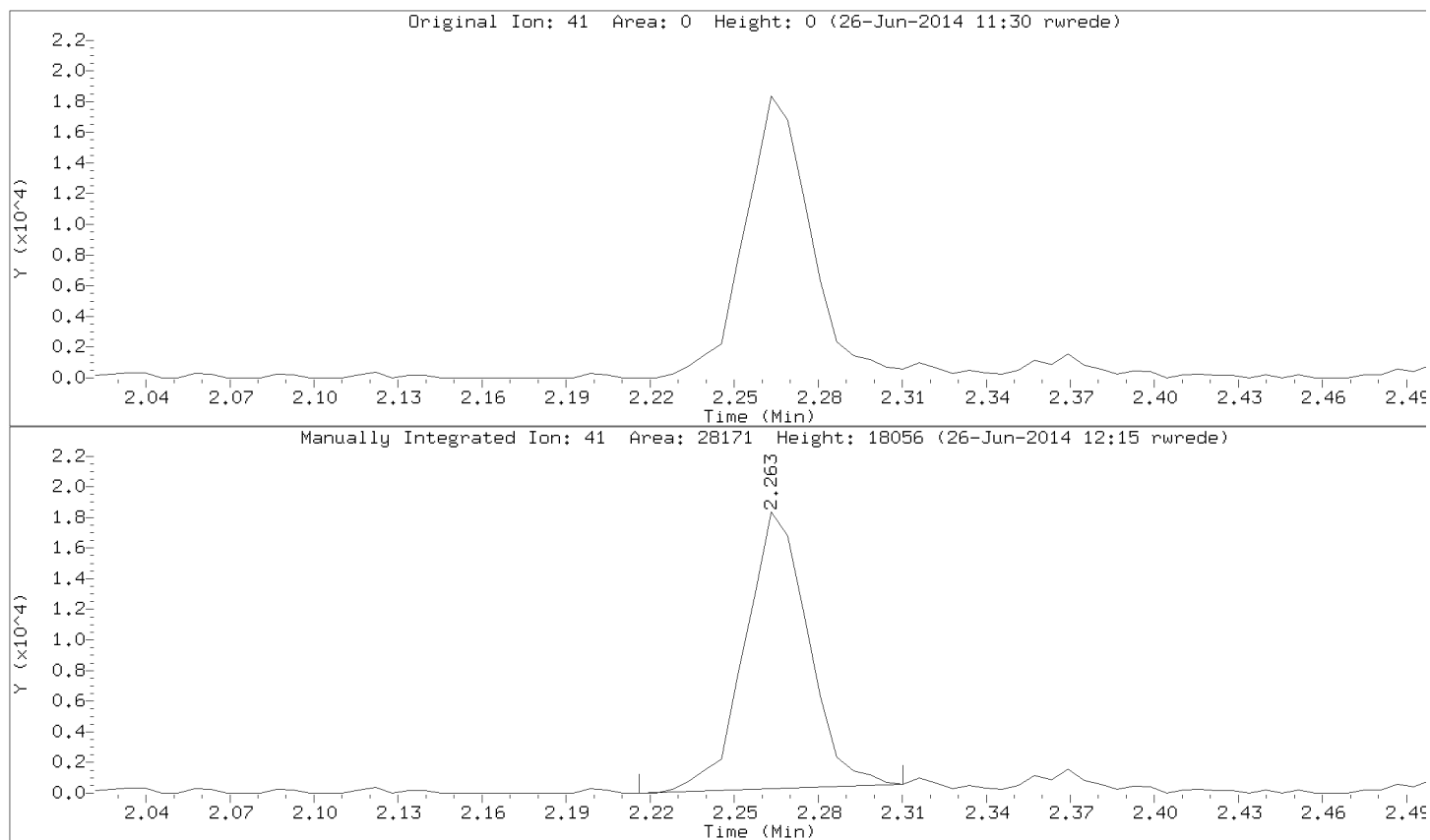


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Instrument: 50mv4b.i

Lab Sample ID: 8260-CAL2



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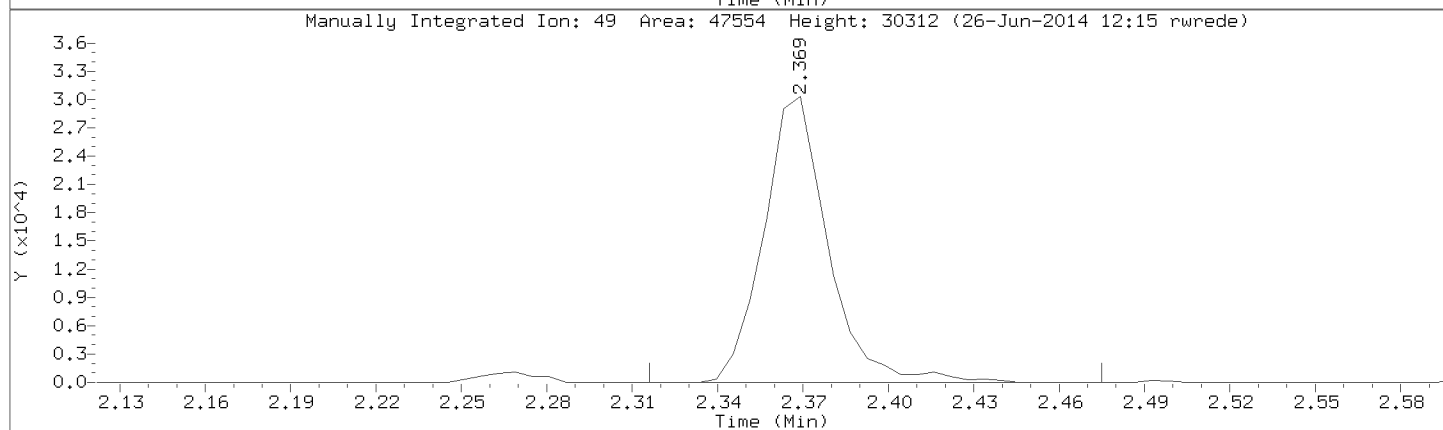
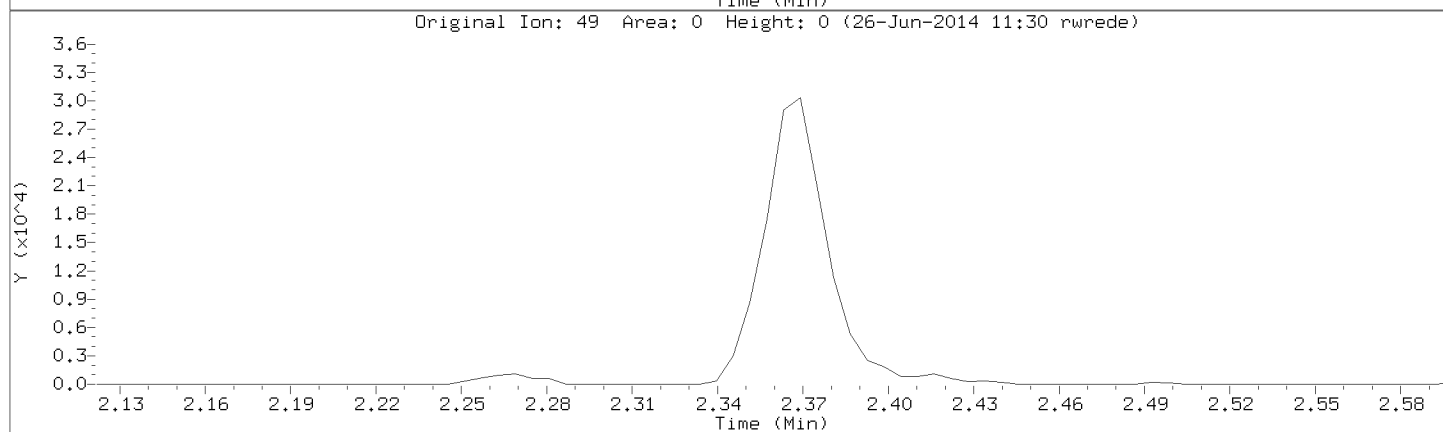
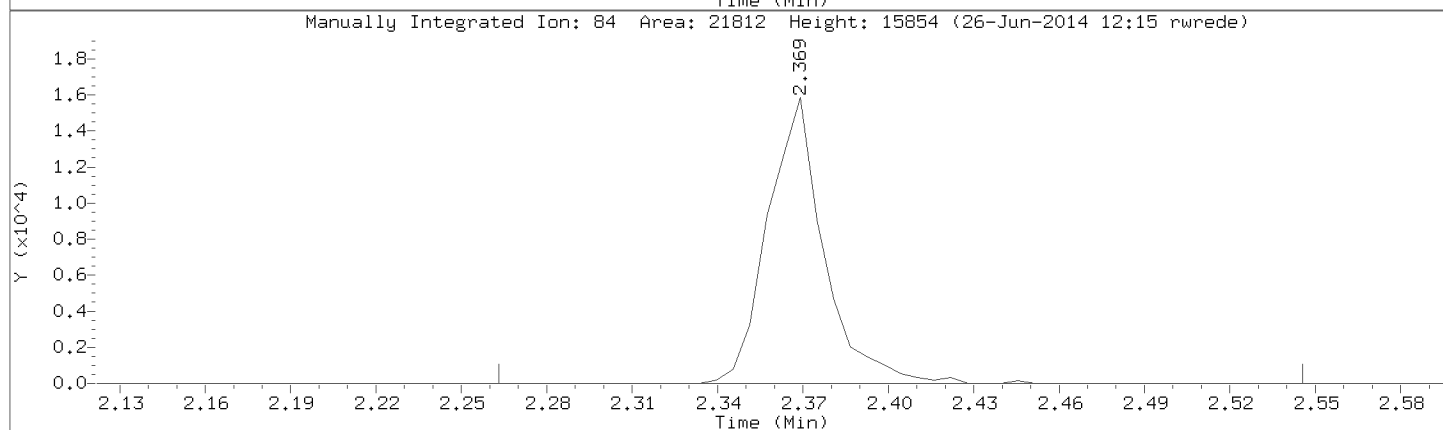
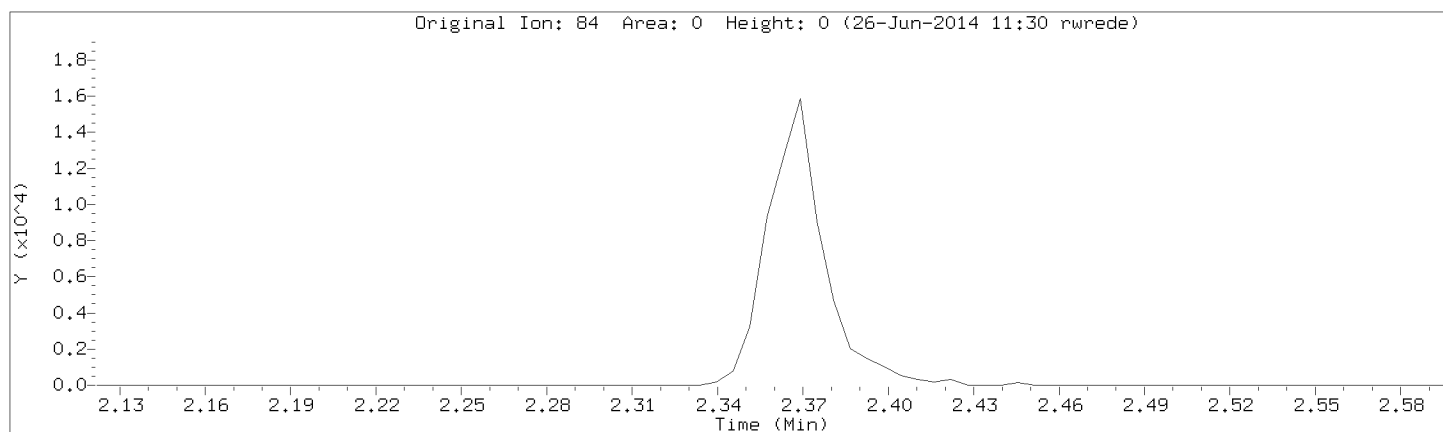
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Instrument: 50mv4b.i

Lab Sample ID: 8260-CAL2

Compound: Methylene Chloride

CAS Number: 75-09-2

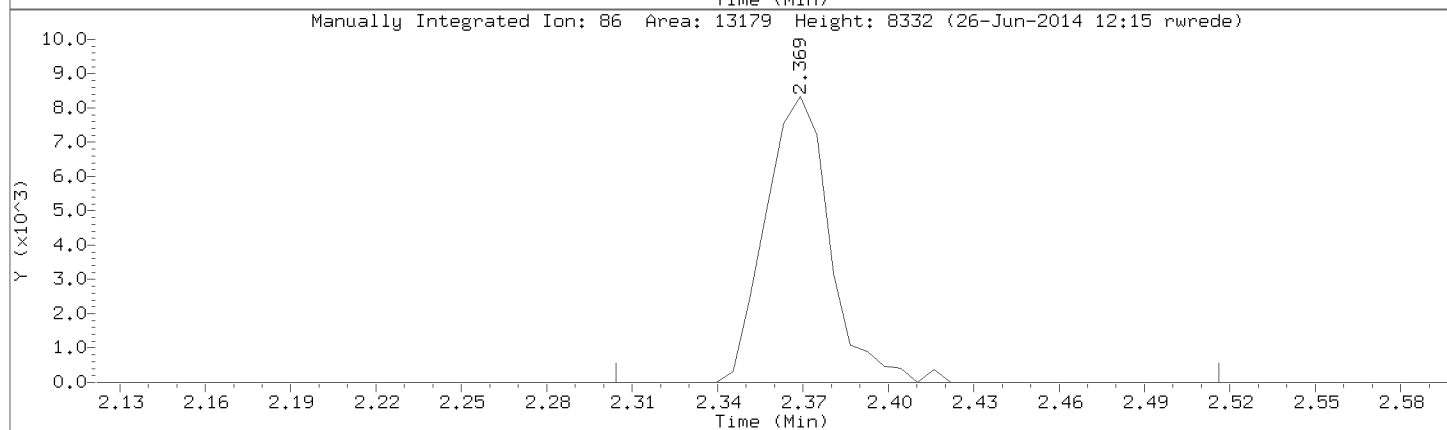
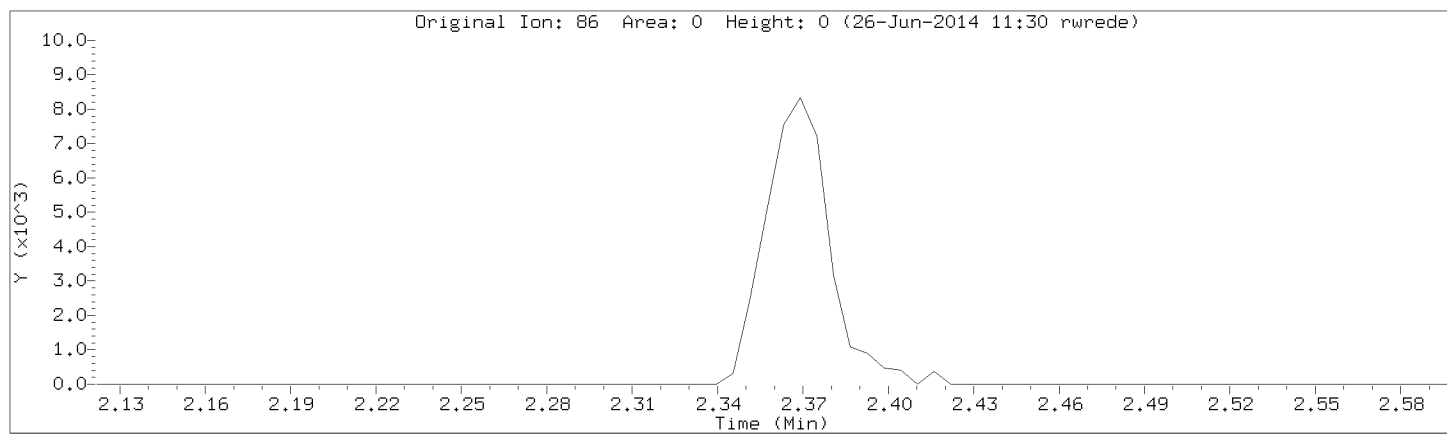


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Instrument: 50mv4b.i

Lab Sample ID: 8260-CAL2



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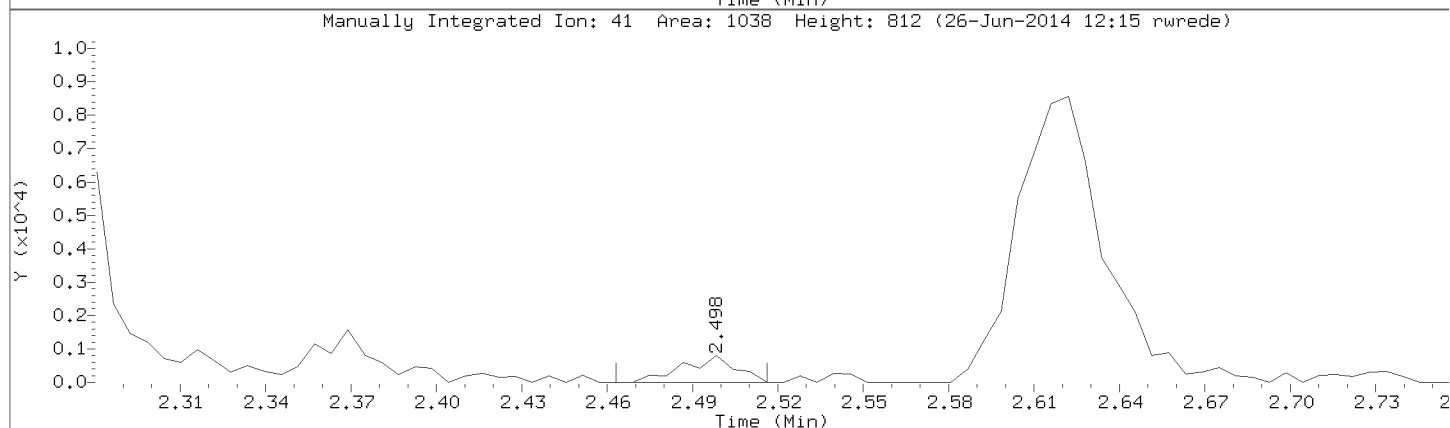
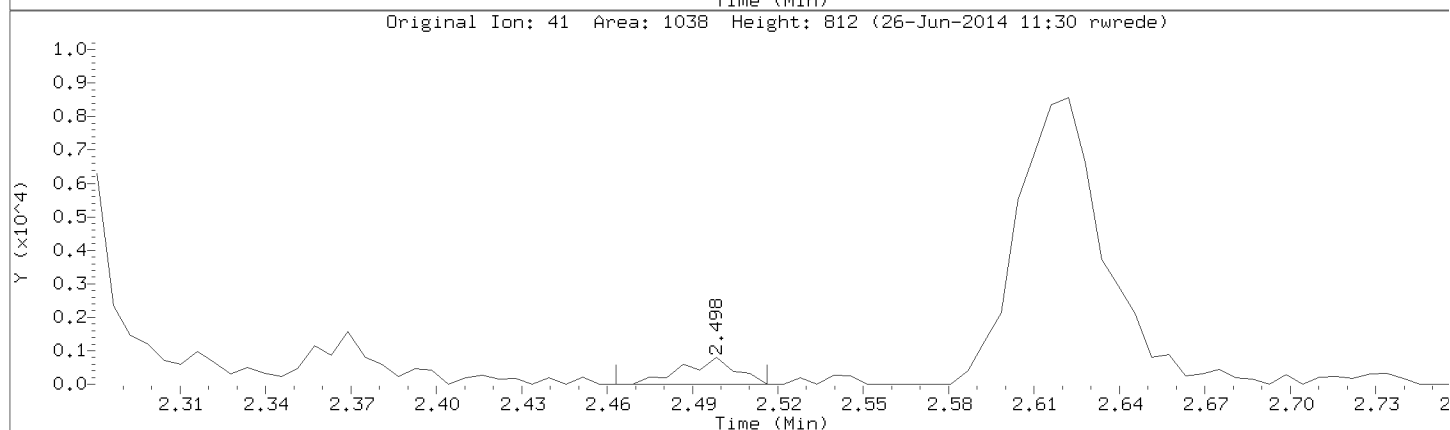
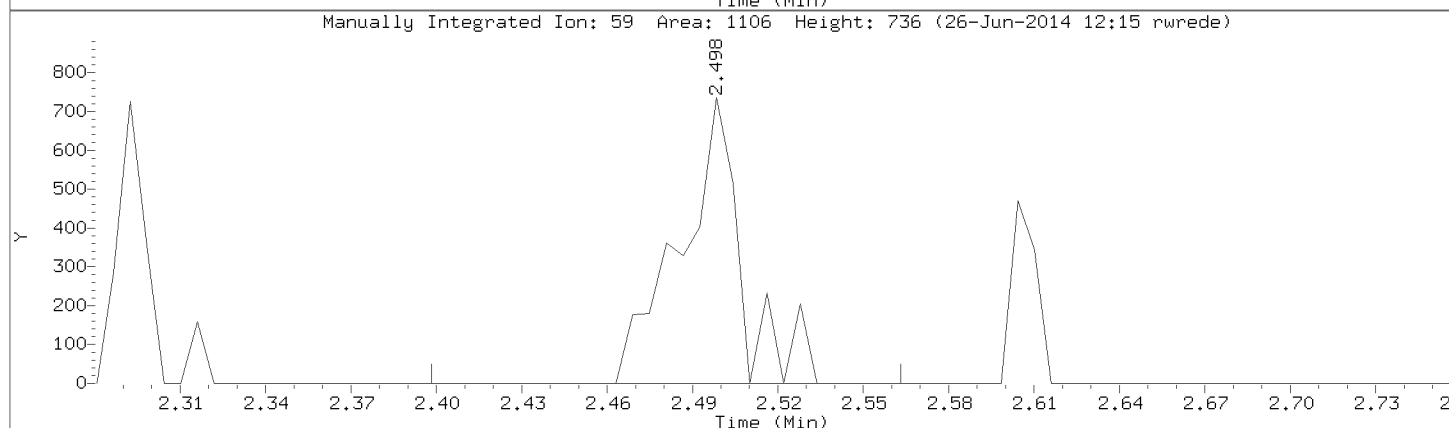
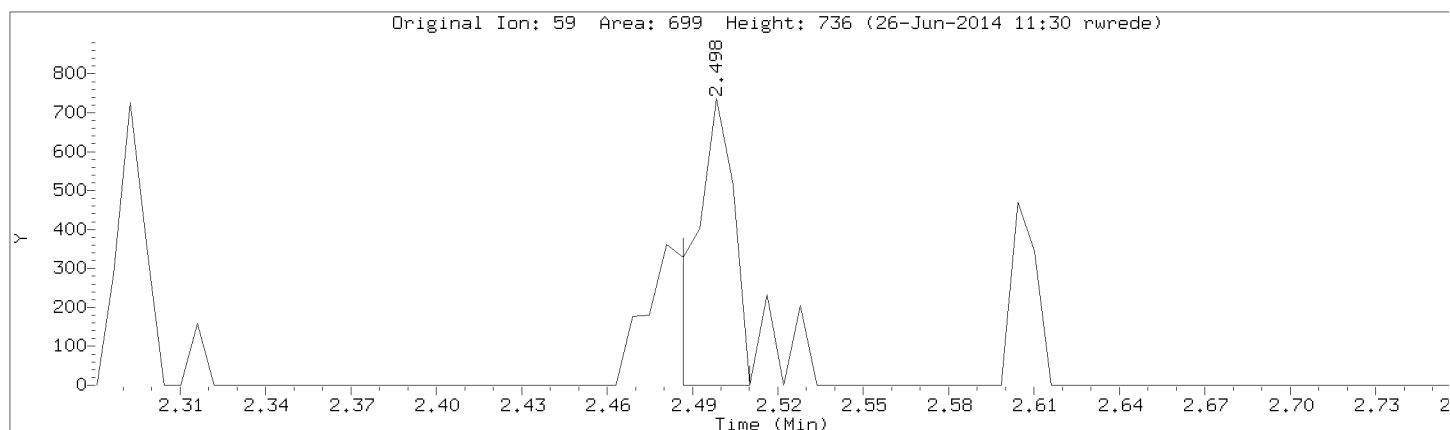
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Instrument: 50mv4b.i

Lab Sample ID: 8260-CAL2

Compound: tert-Butyl Alcohol

CAS Number: 75-65-0



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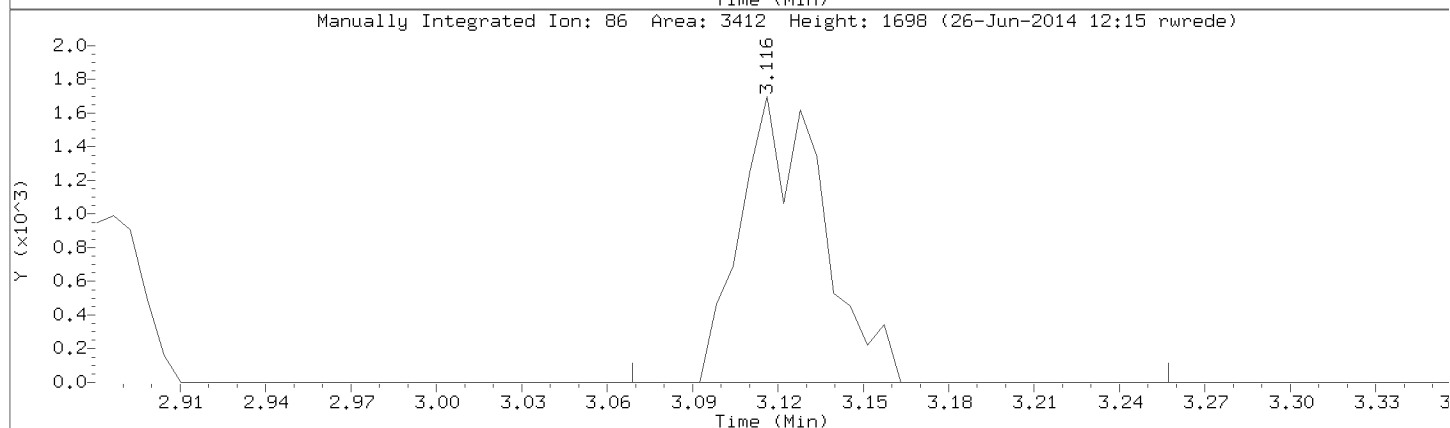
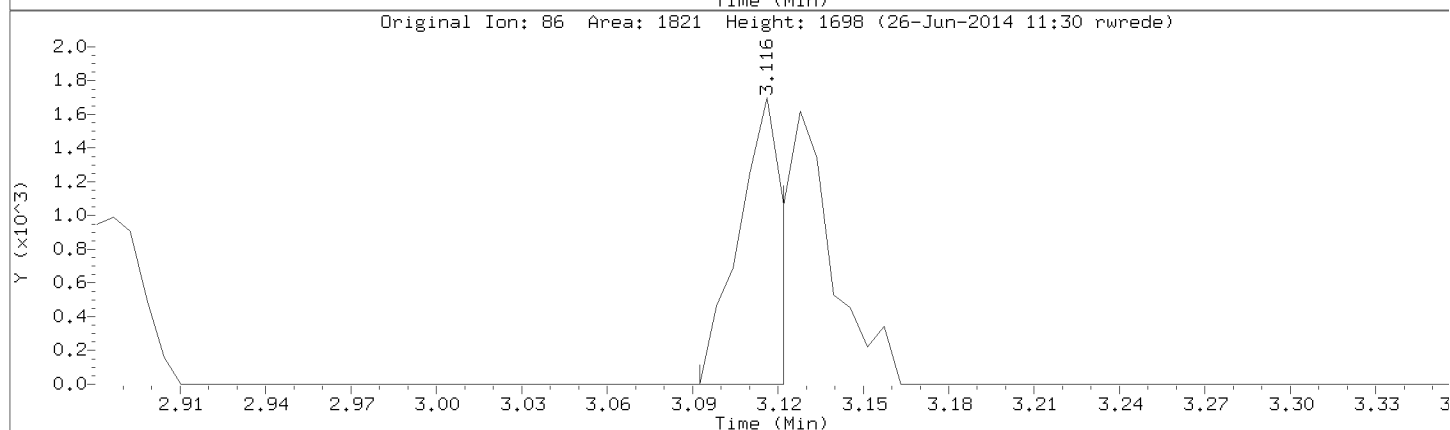
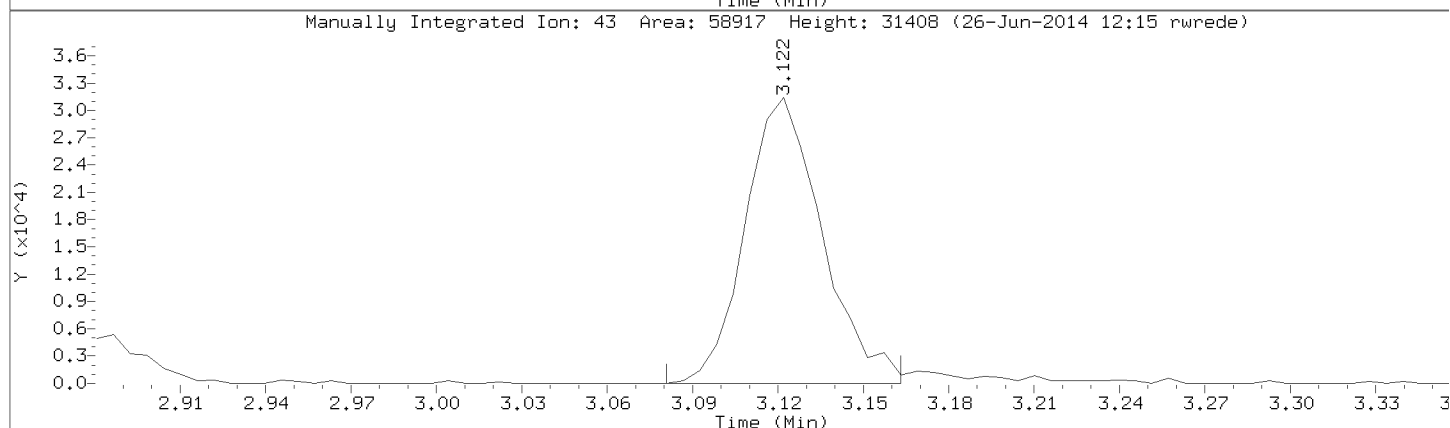
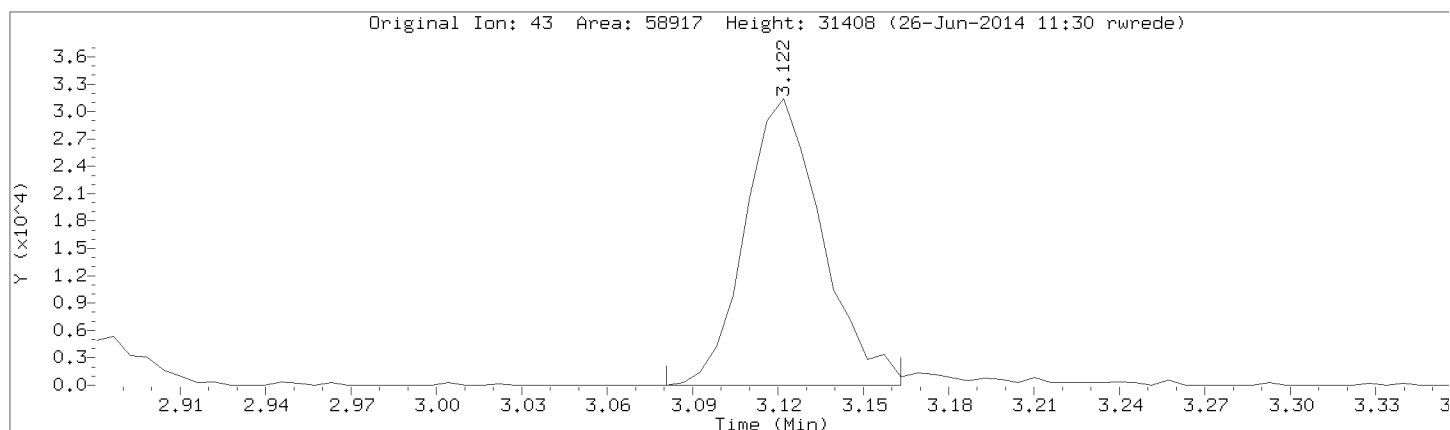
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Instrument: 50mv4b.i

Lab Sample ID: 8260-CAL2

Compound: Vinyl Acetate

CAS Number: 108-05-4



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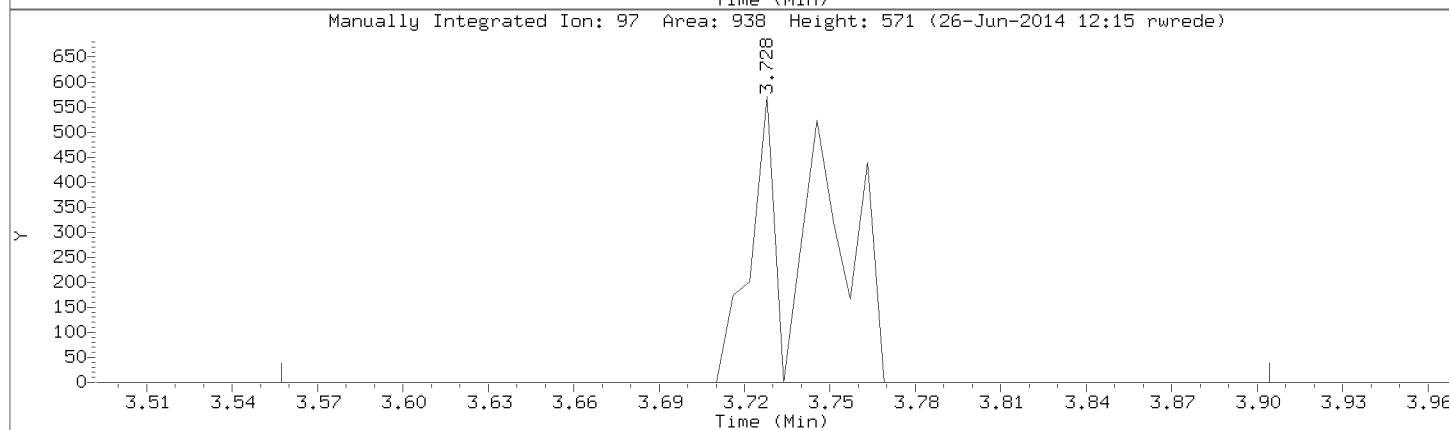
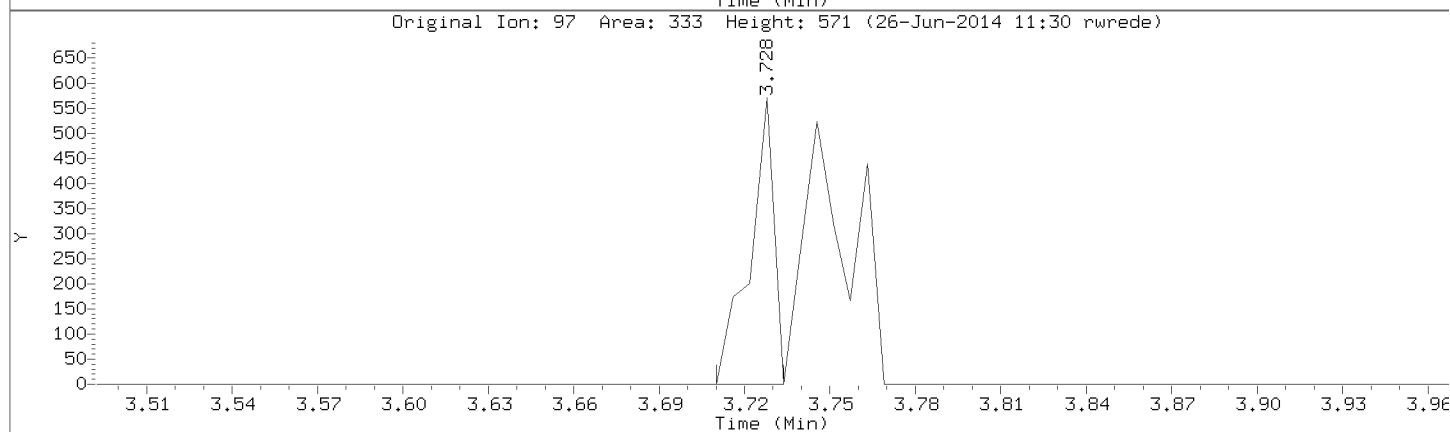
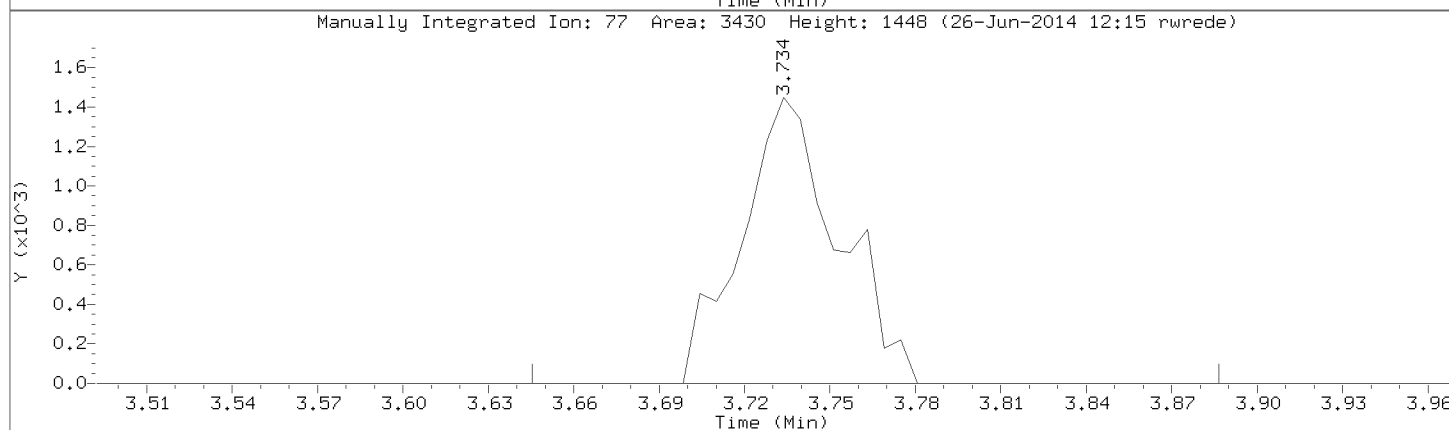
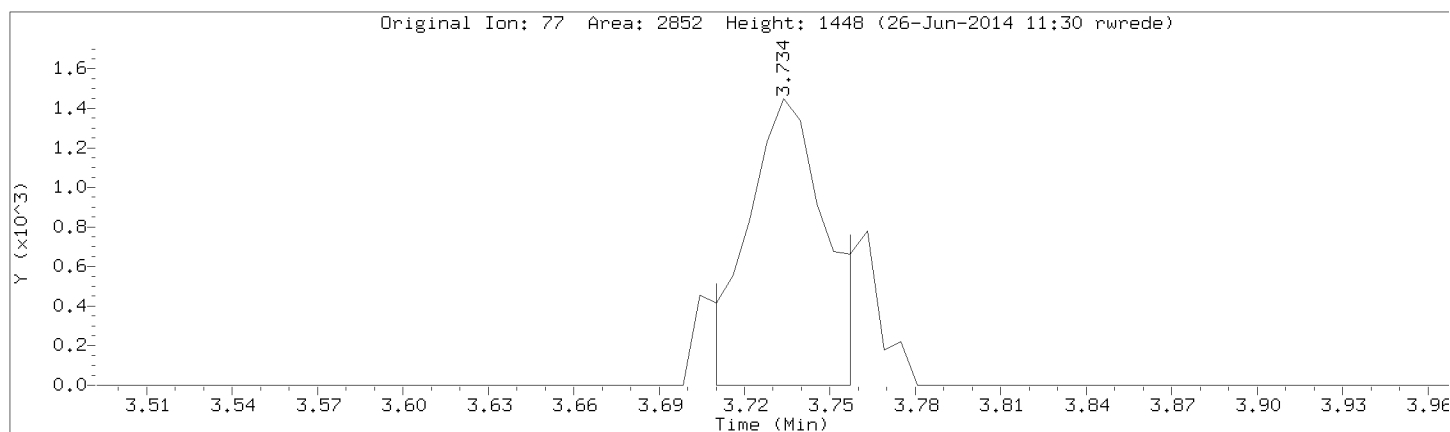
Injection Date: 25-JUN-2014 16:44

Instrument: 50mv4b.i

Lab Sample ID: 8260-CAL2

Compound: 2,2-Dichloropropane

CAS Number: 594-20-7



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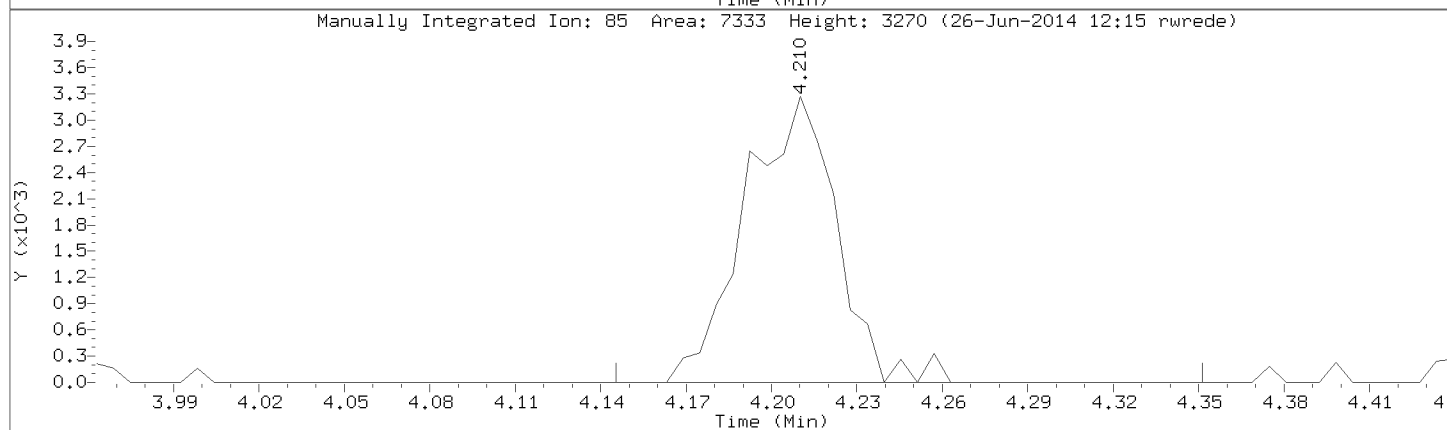
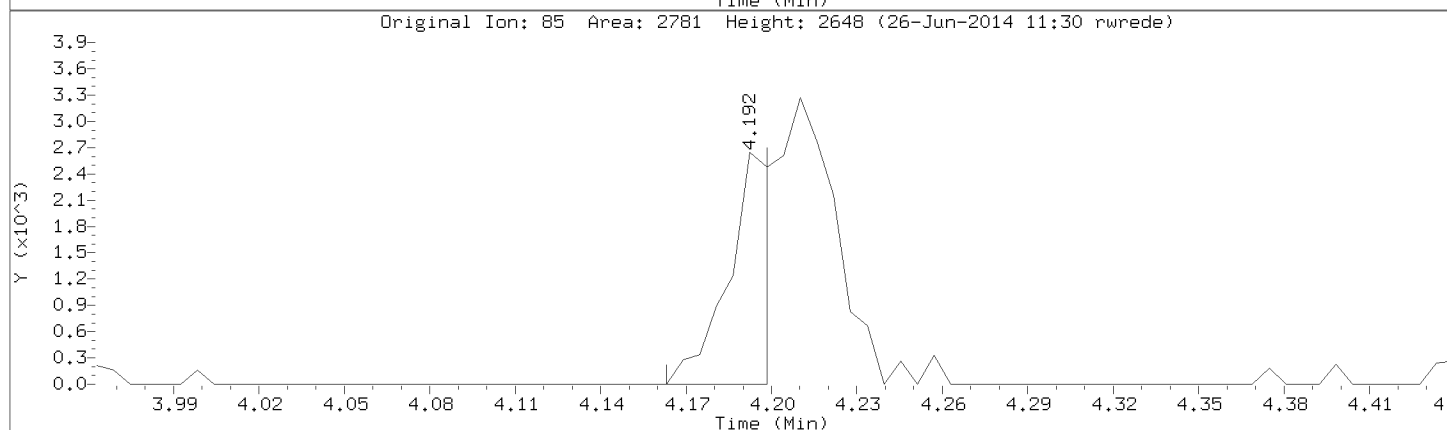
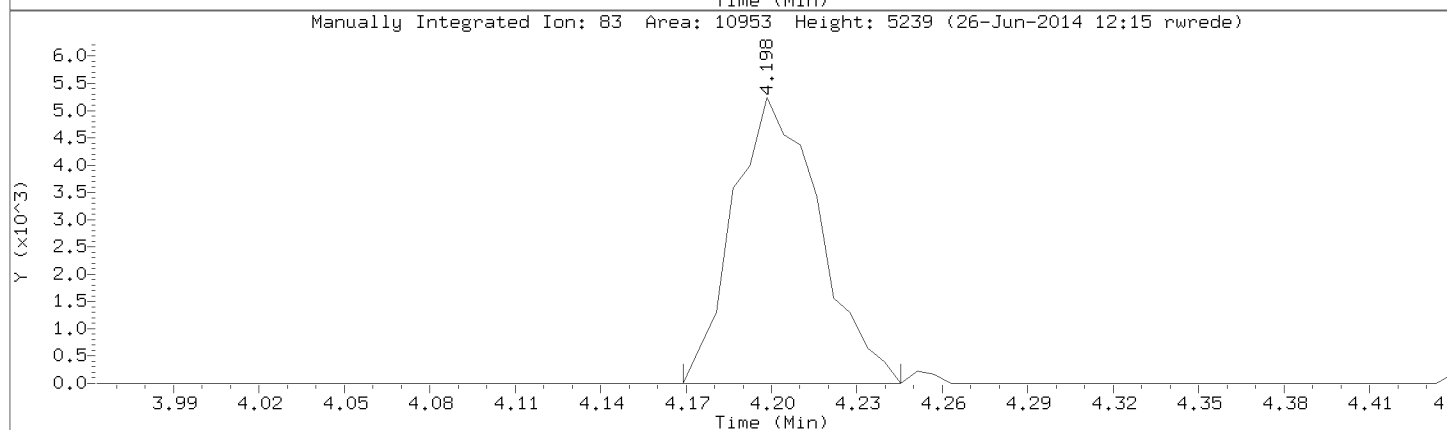
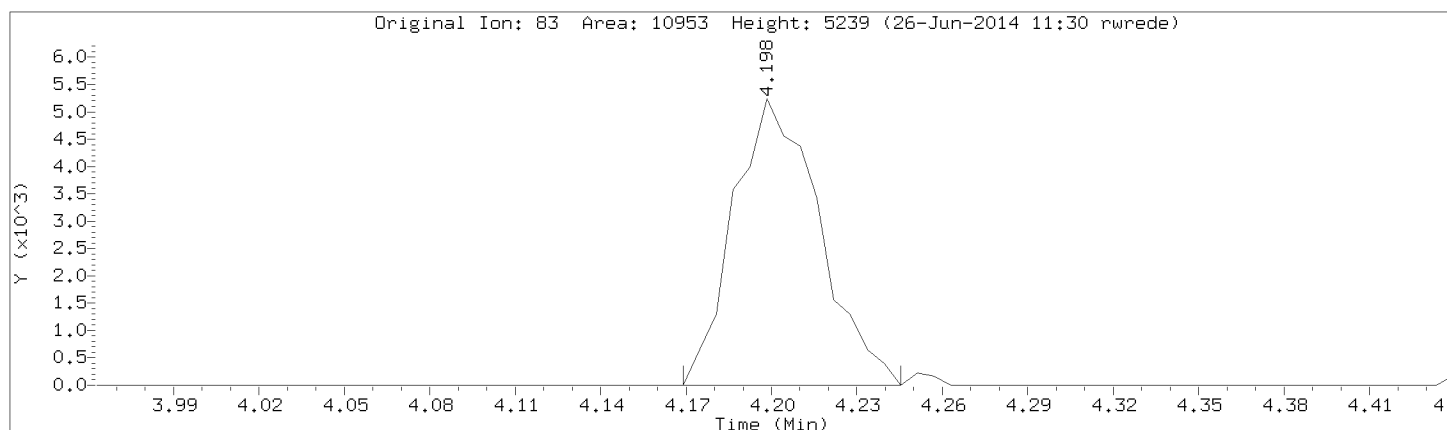
Injection Date: 25-JUN-2014 16:44

Instrument: 50mv4b.i

Lab Sample ID: 8260-CAL2

Compound: Chloroform

CAS Number: 67-66-3



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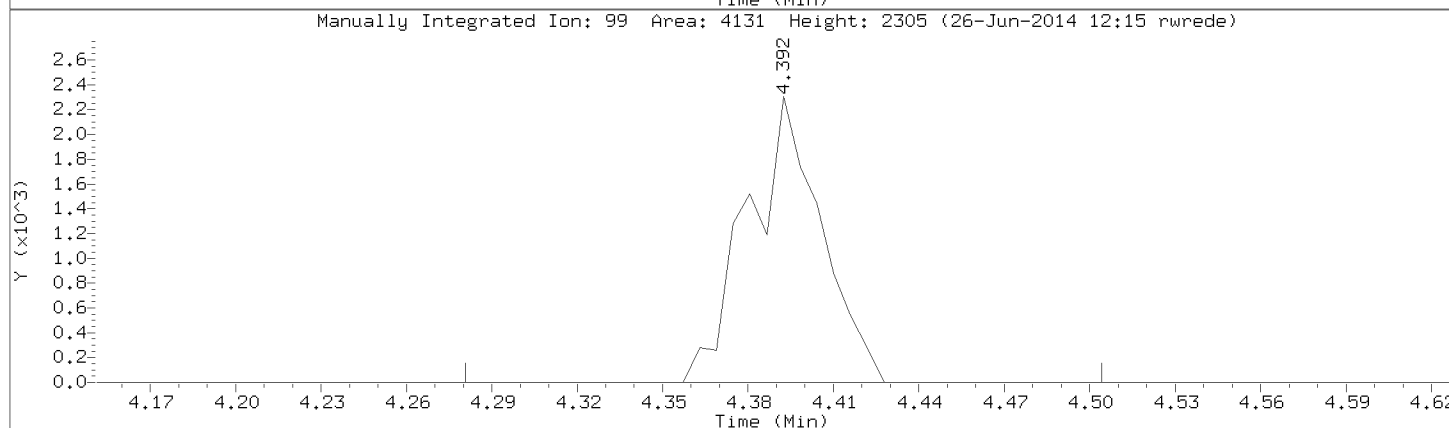
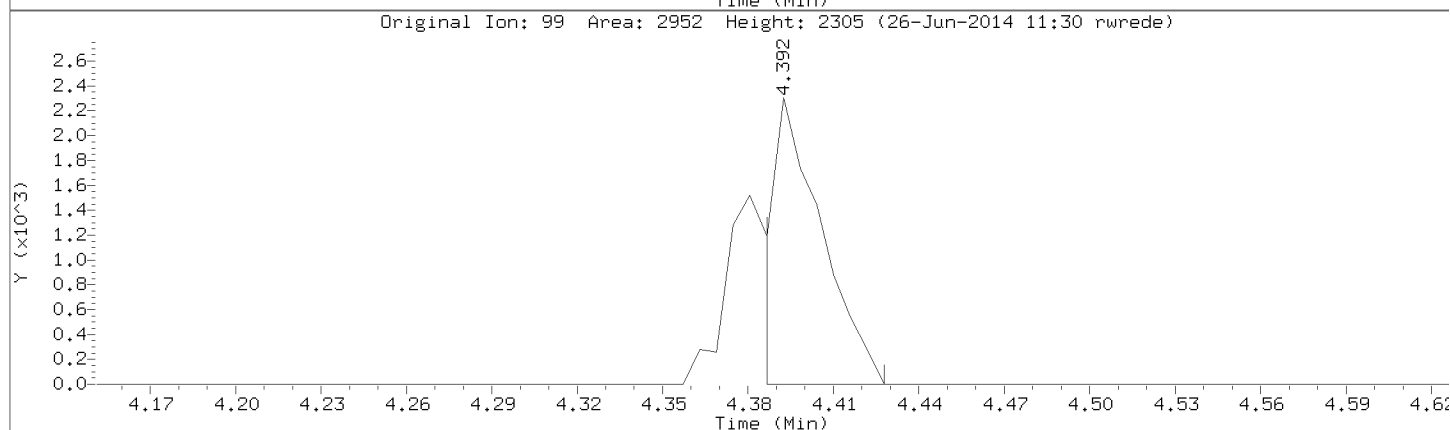
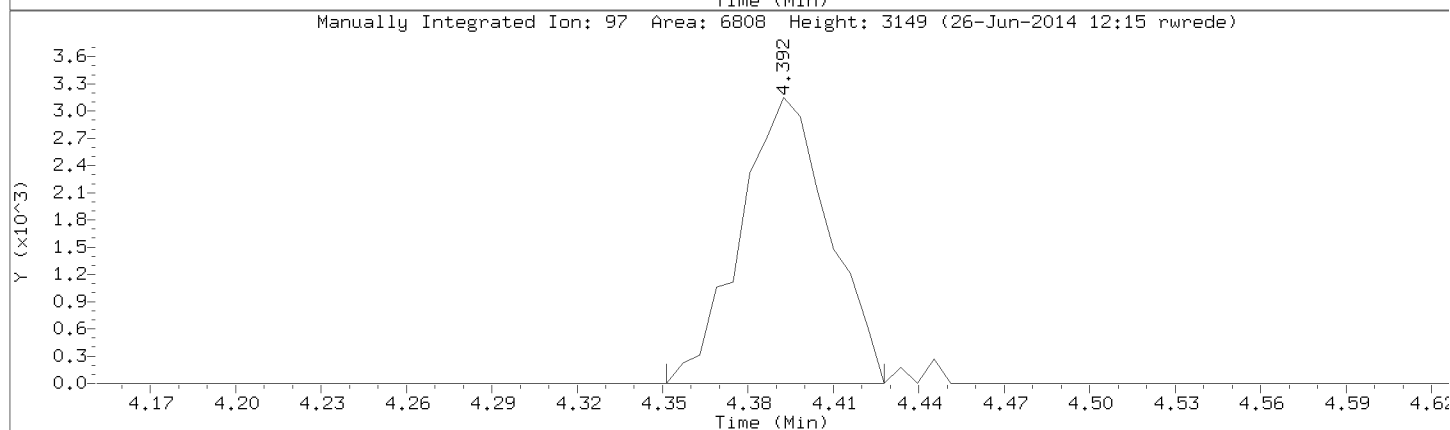
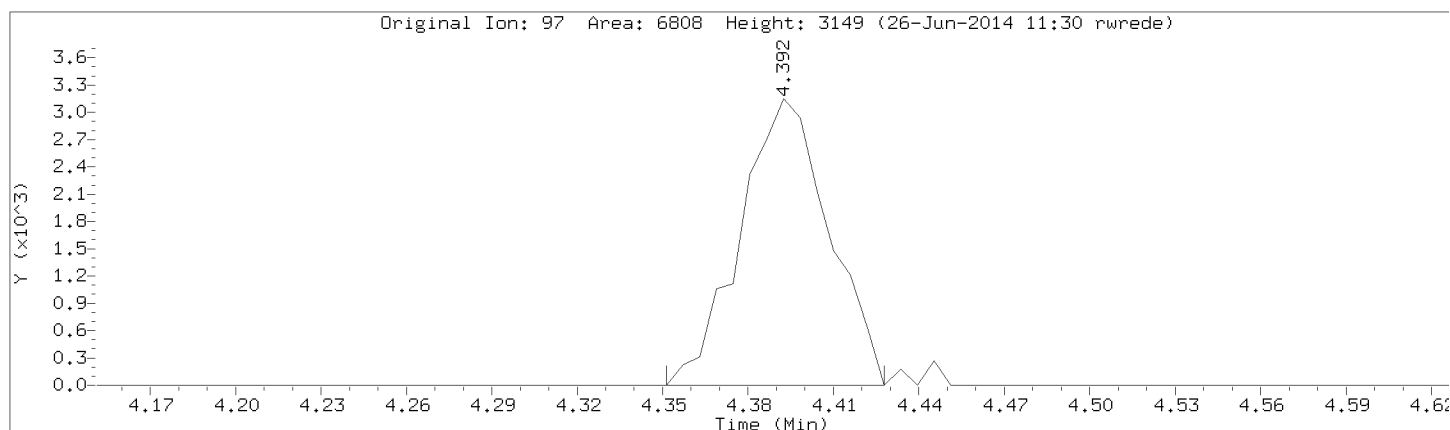
Injection Date: 25-JUN-2014 16:44

Instrument: 50mv4b.i

Lab Sample ID: 8260-CAL2

Compound: 1,1,1-Trichloroethane

CAS Number: 71-55-6

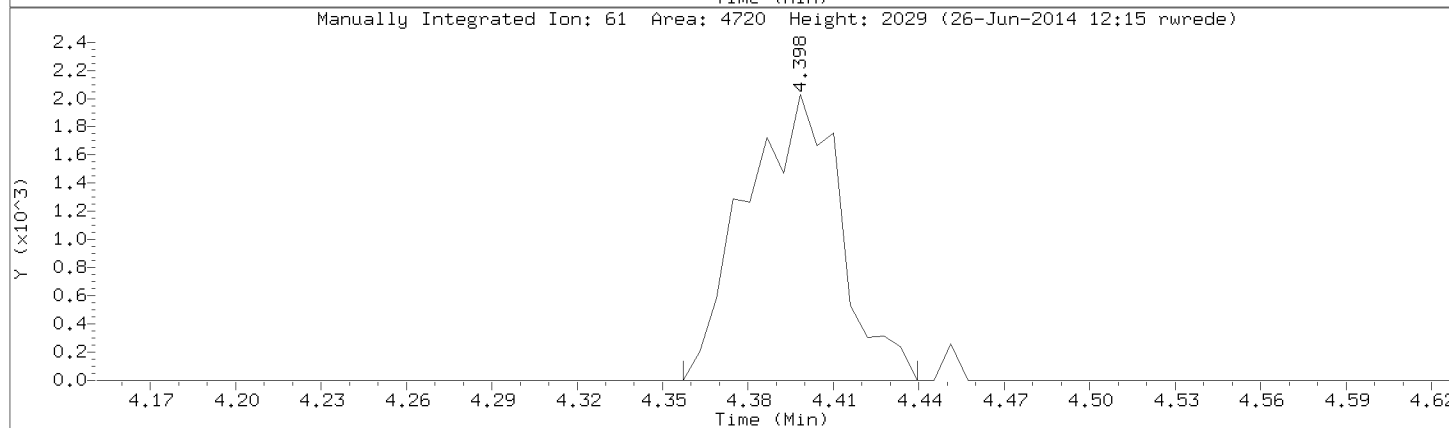
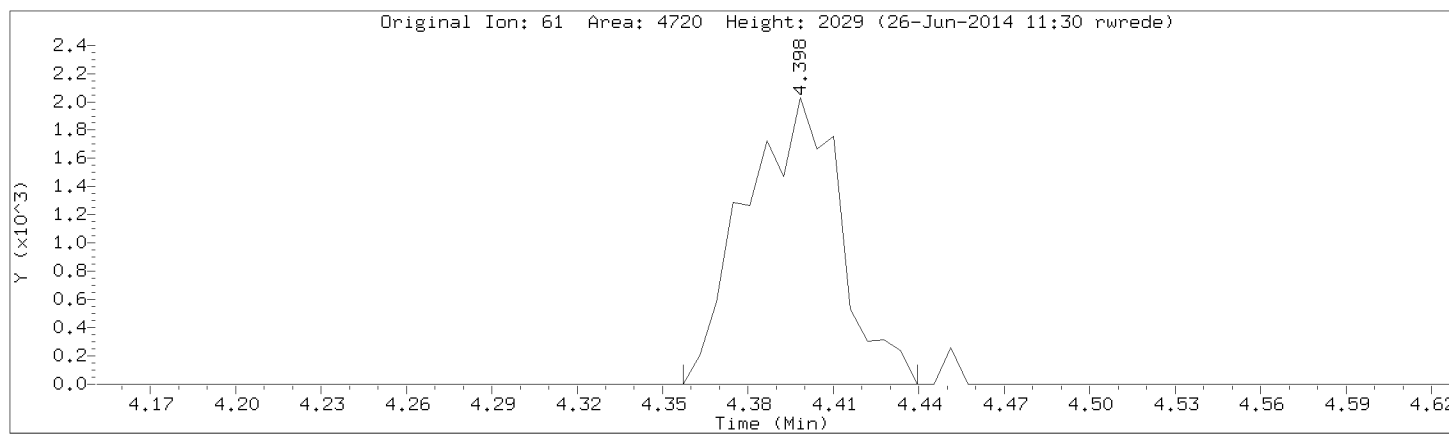


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Injection Date: 25-JUN-2014 16:44

Instrument: 50mv4b.i

Lab Sample ID: 8260-CAL2



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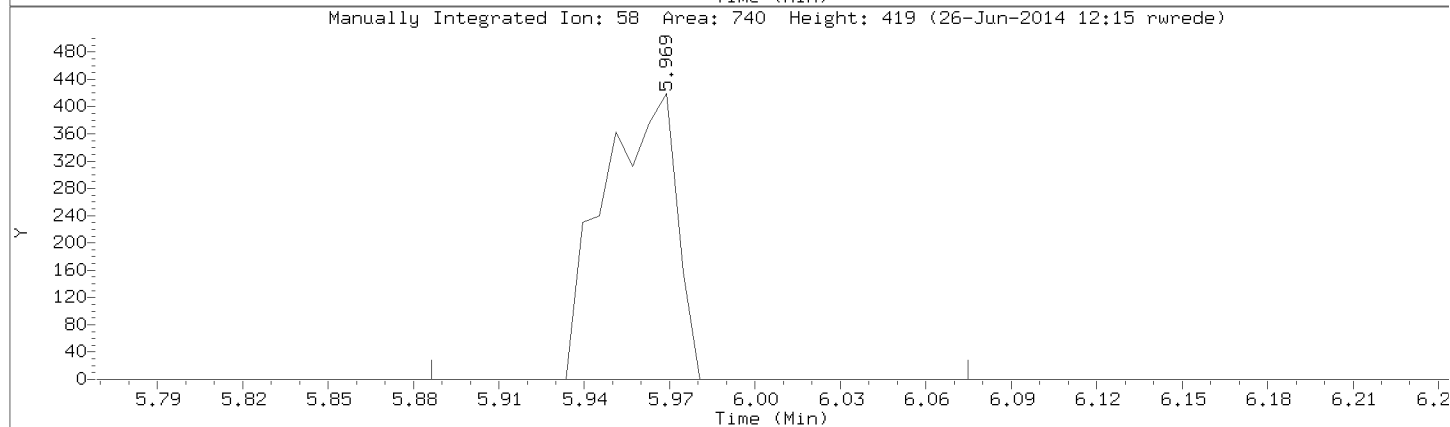
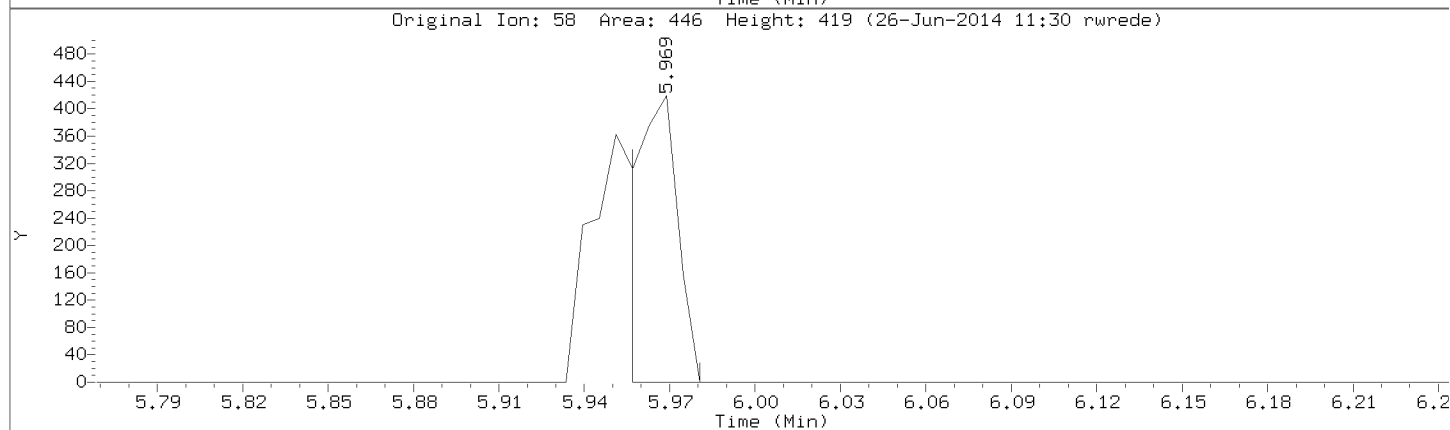
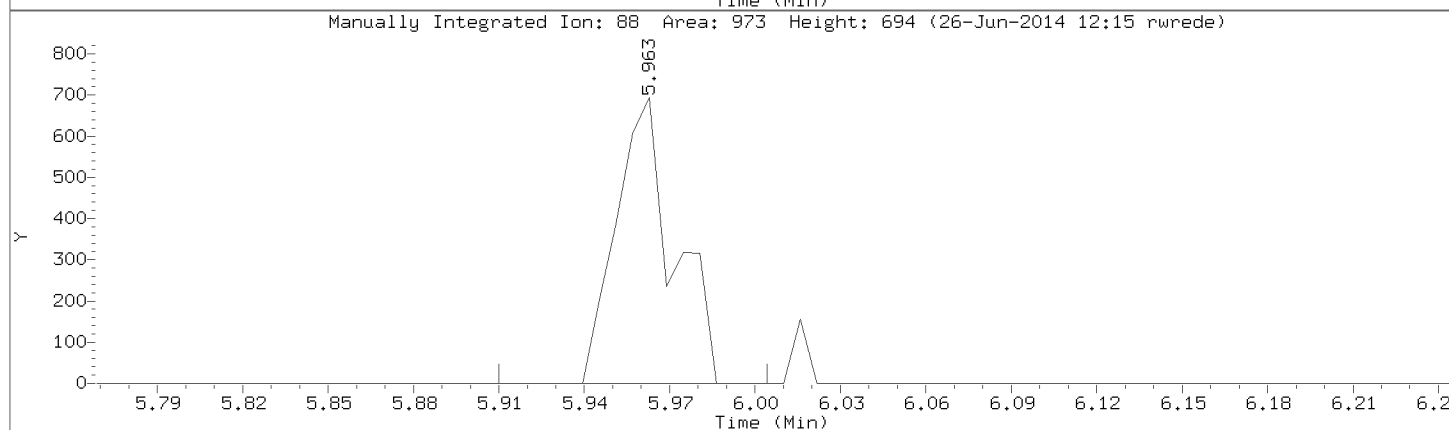
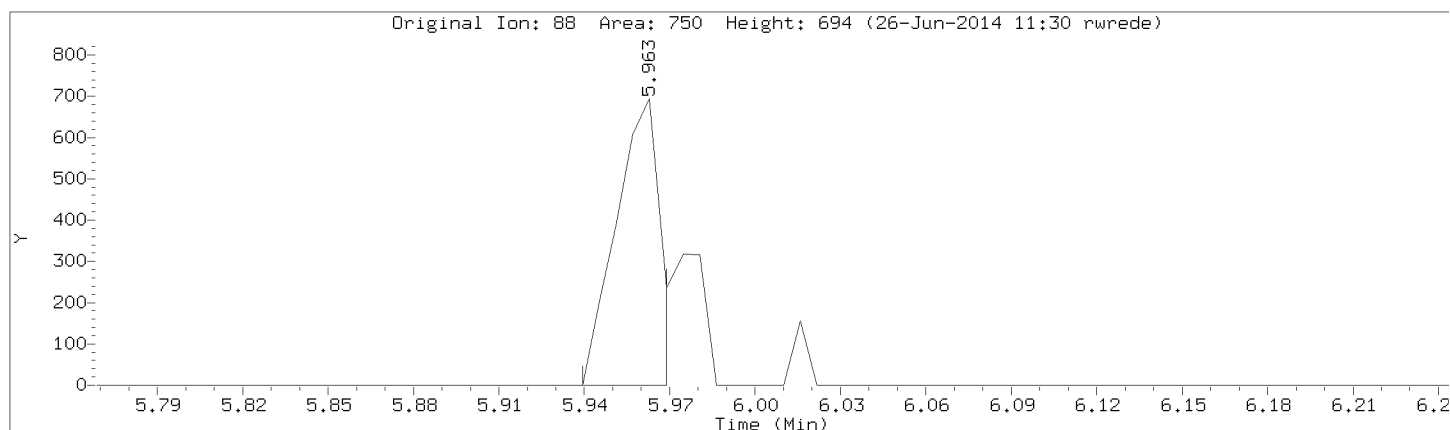
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Instrument: 50mv4b.i

Lab Sample ID: 8260-CAL2

Compound: 1,4-Dioxane

CAS Number:



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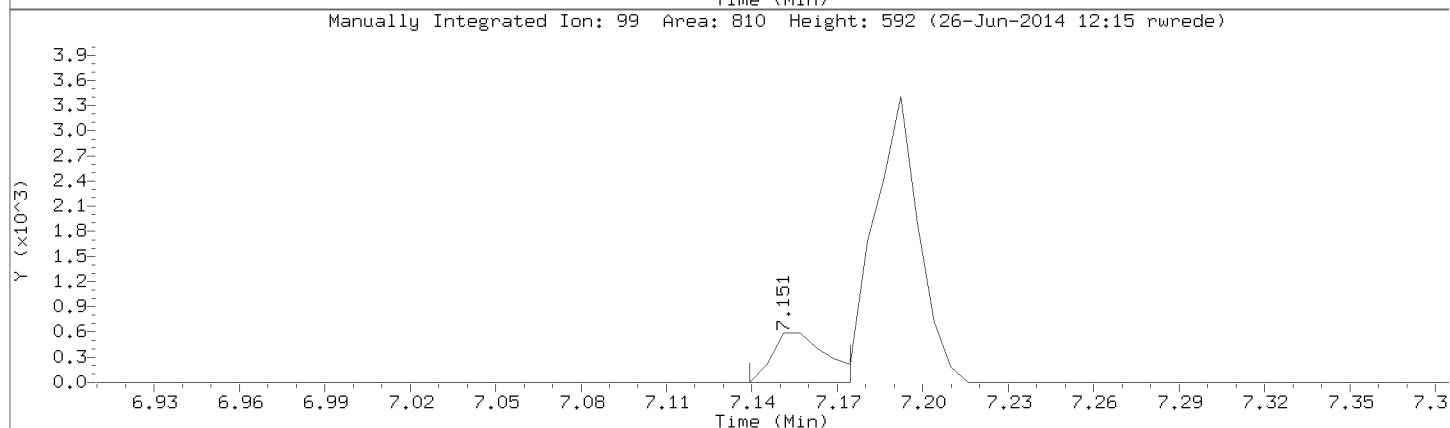
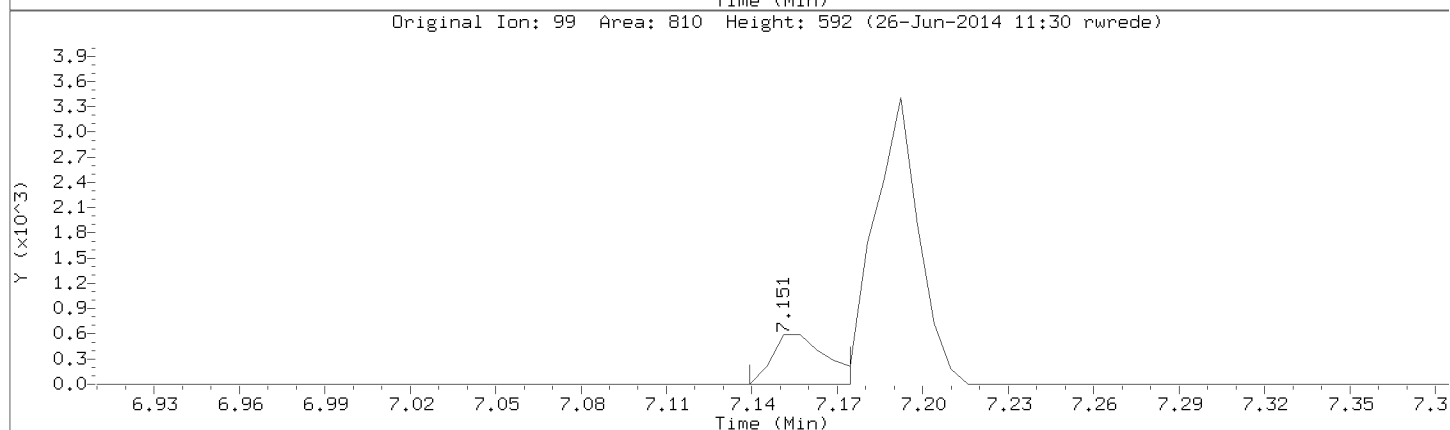
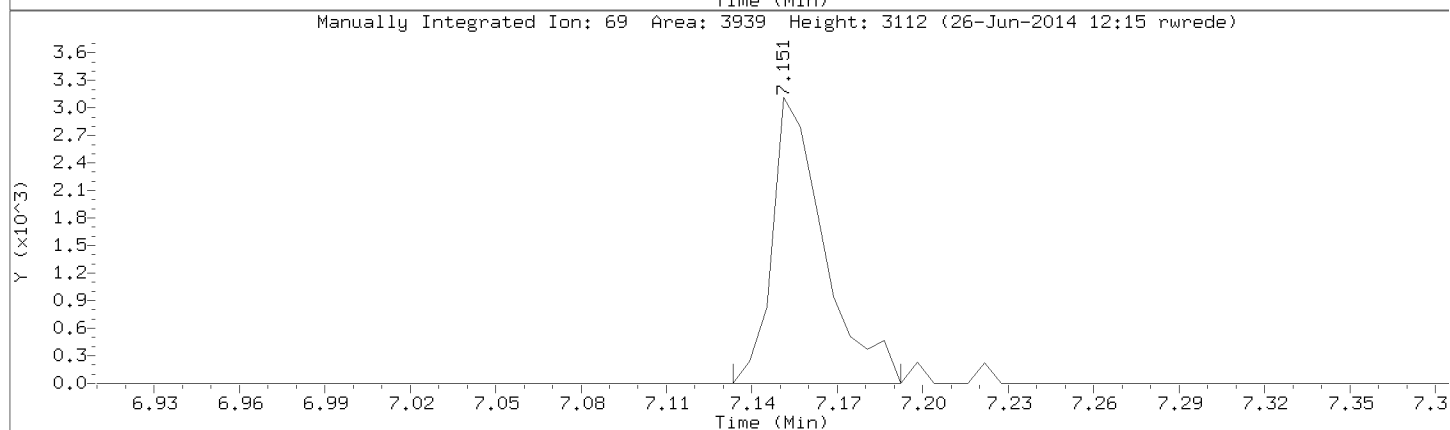
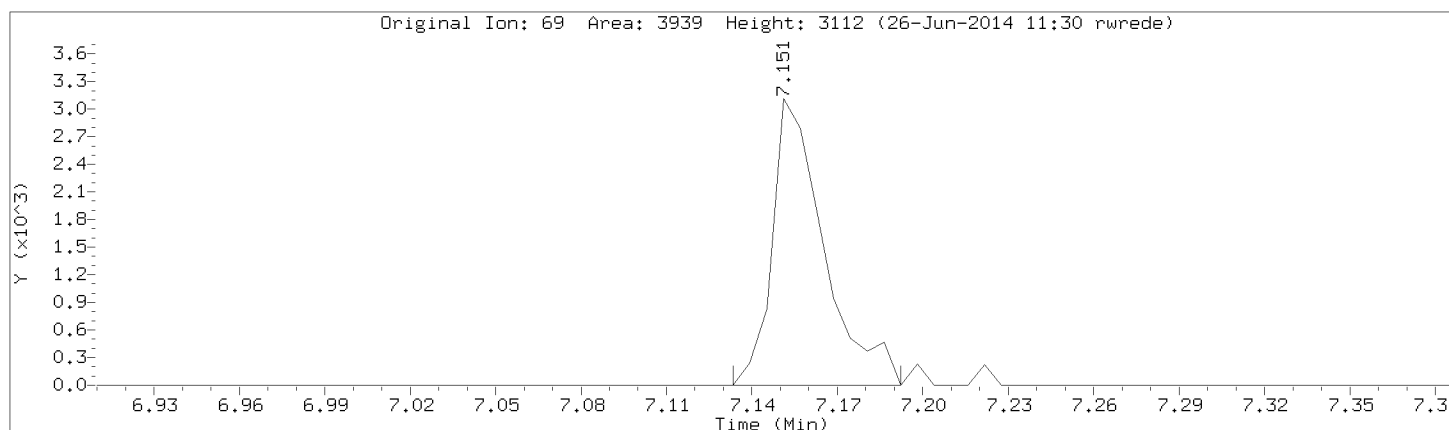
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Instrument: 50mv4b.i

Lab Sample ID: 8260-CAL2

Compound: Ethyl Methacrylate

CAS Number:

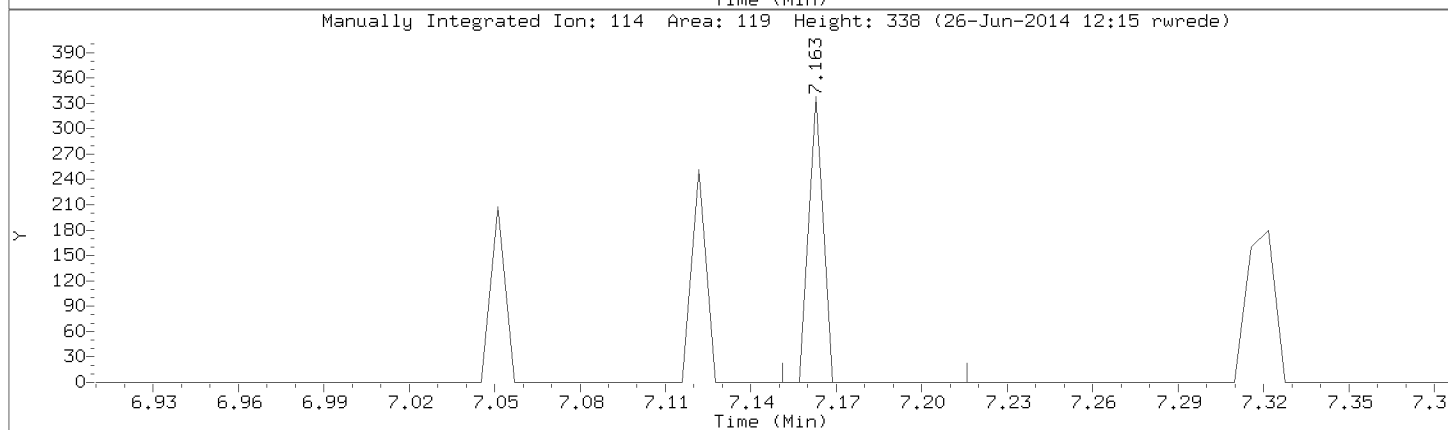
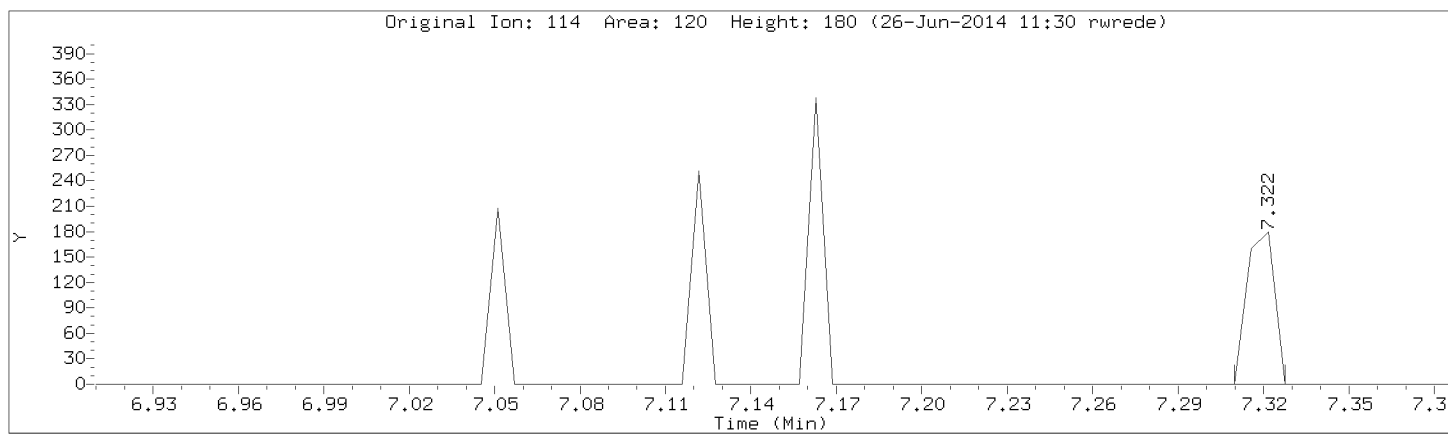


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Injection Date: 25-JUN-2014 16:44

Instrument: 50mv4b.i

Lab Sample ID: 8260-CAL2



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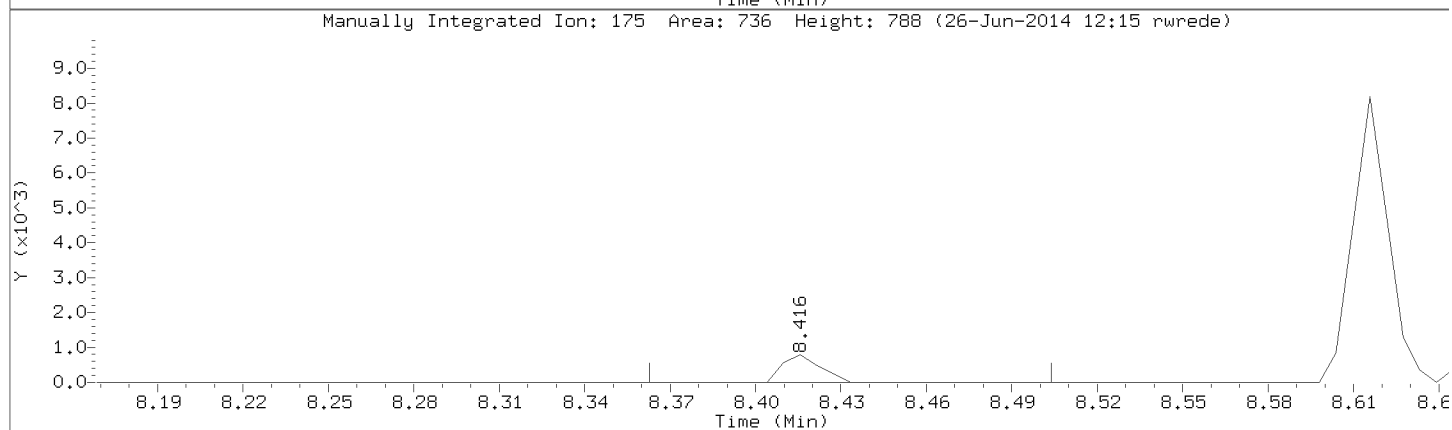
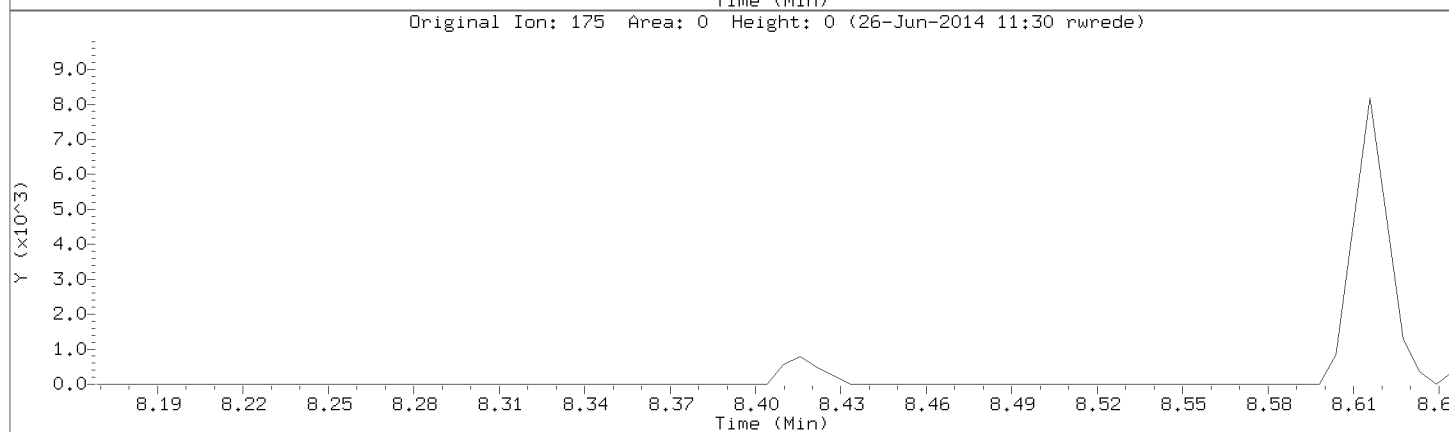
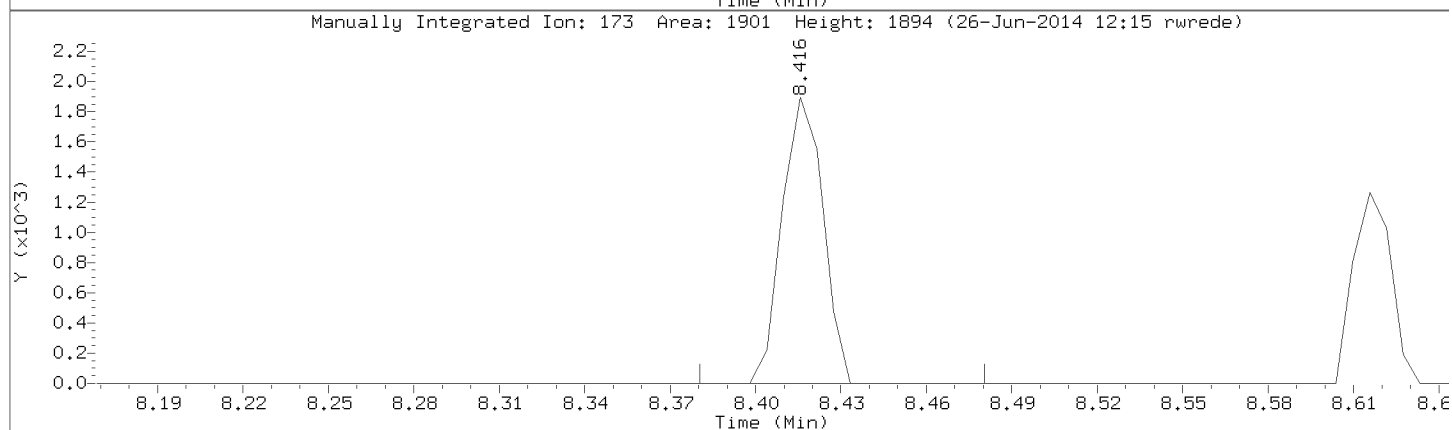
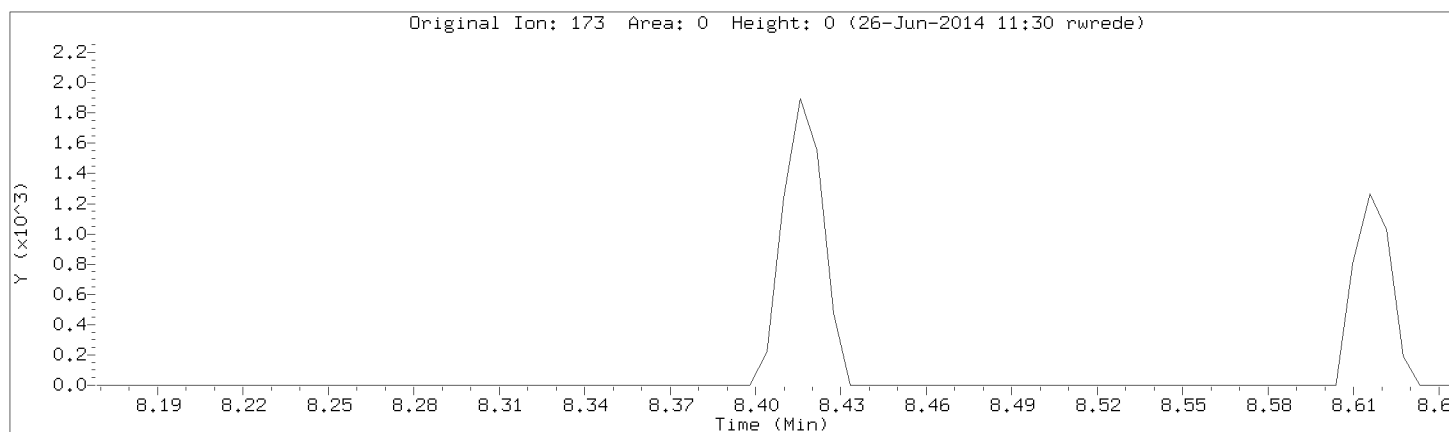
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Instrument: 50mv4b.i

Lab Sample ID: 8260-CAL2

Compound: Bromoform

CAS Number: 75-25-2

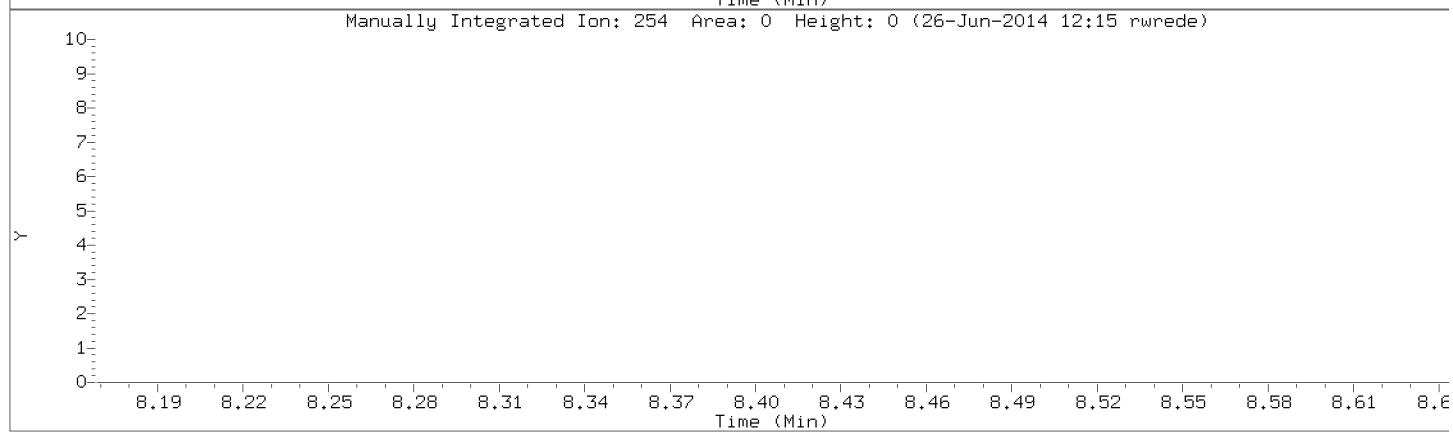
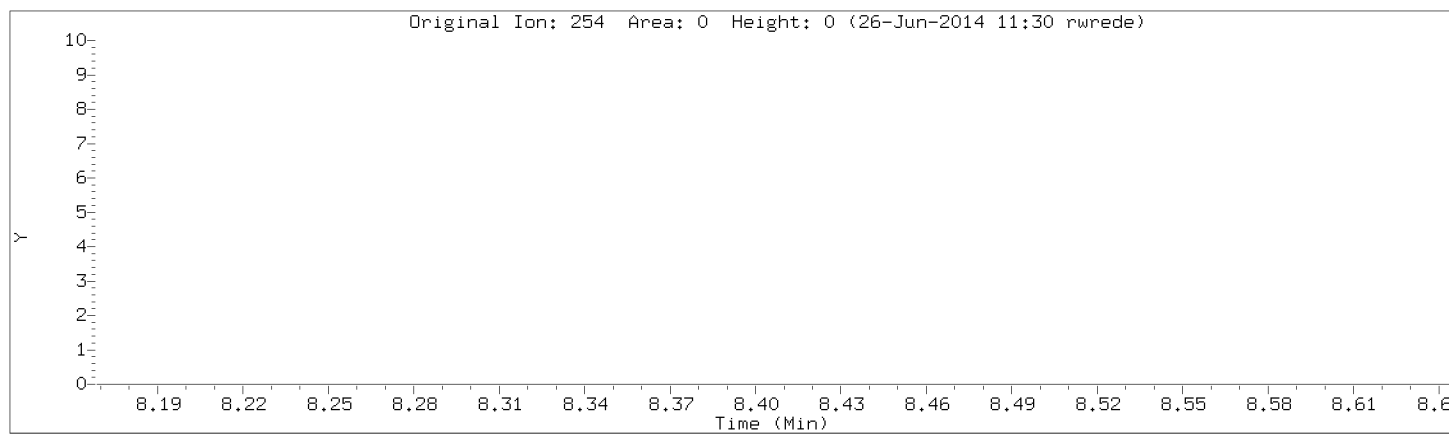


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Injection Date: 25-JUN-2014 16:44

Instrument: 50mv4b.i

Lab Sample ID: 8260-CAL2



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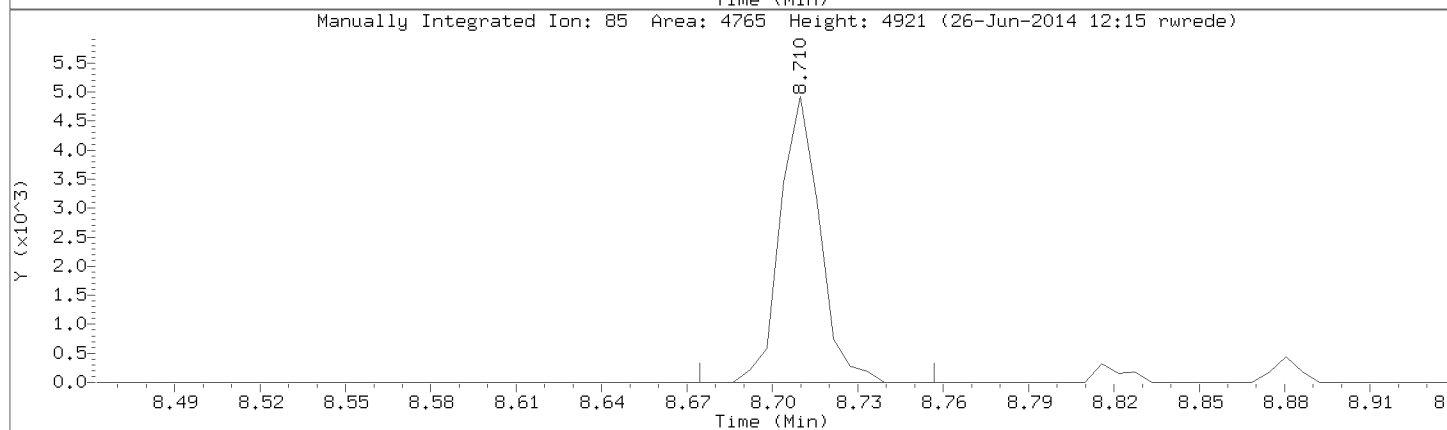
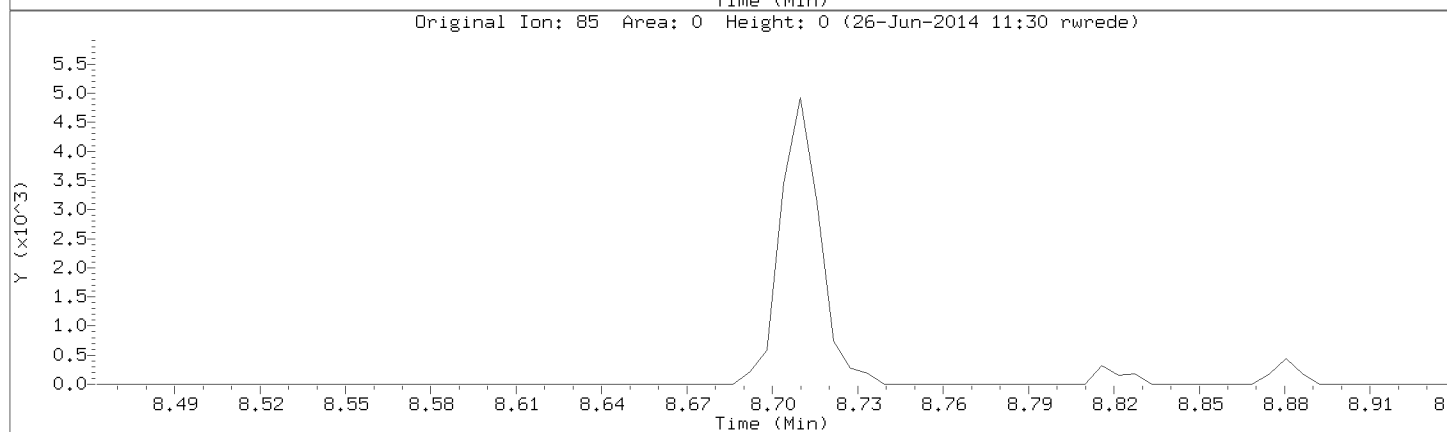
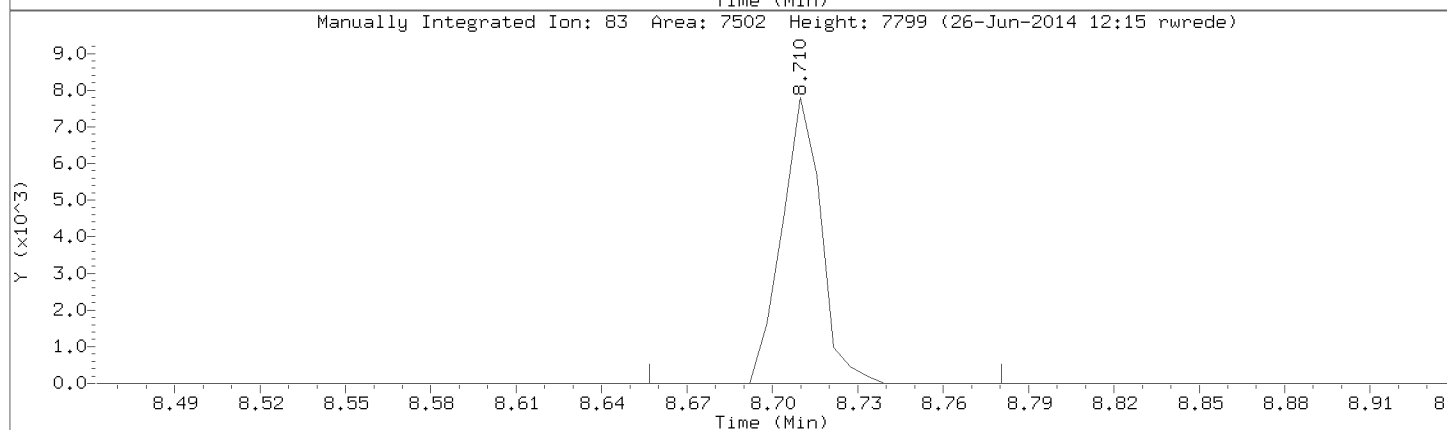
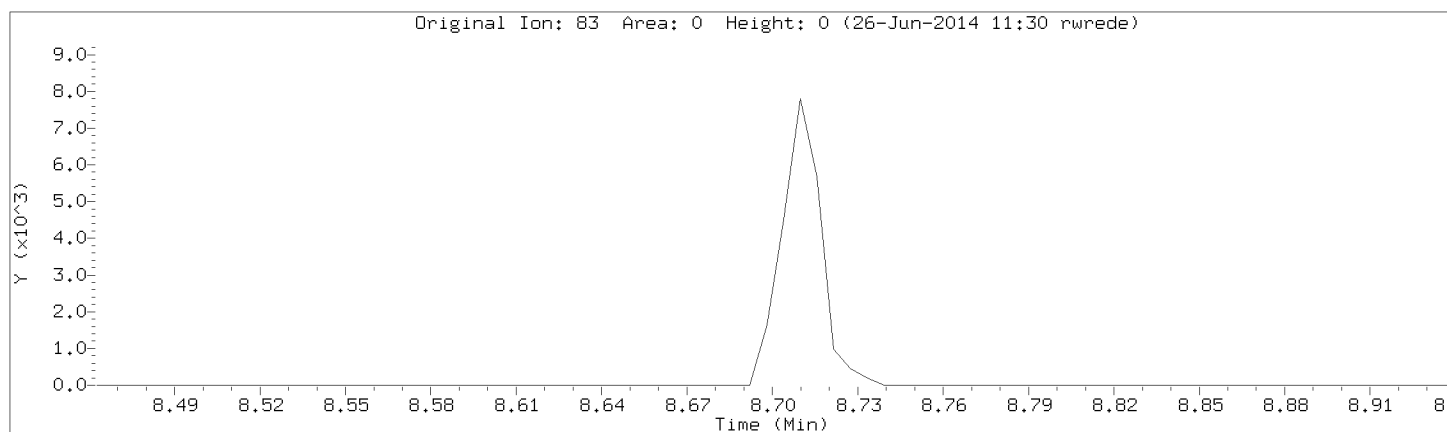
Injection Date: 25-JUN-2014 16:44

Instrument: 50mv4b.i

Lab Sample ID: 8260-CAL2

Compound: 1,1,2,2-Tetrachloroethane

CAS Number: 79-34-5

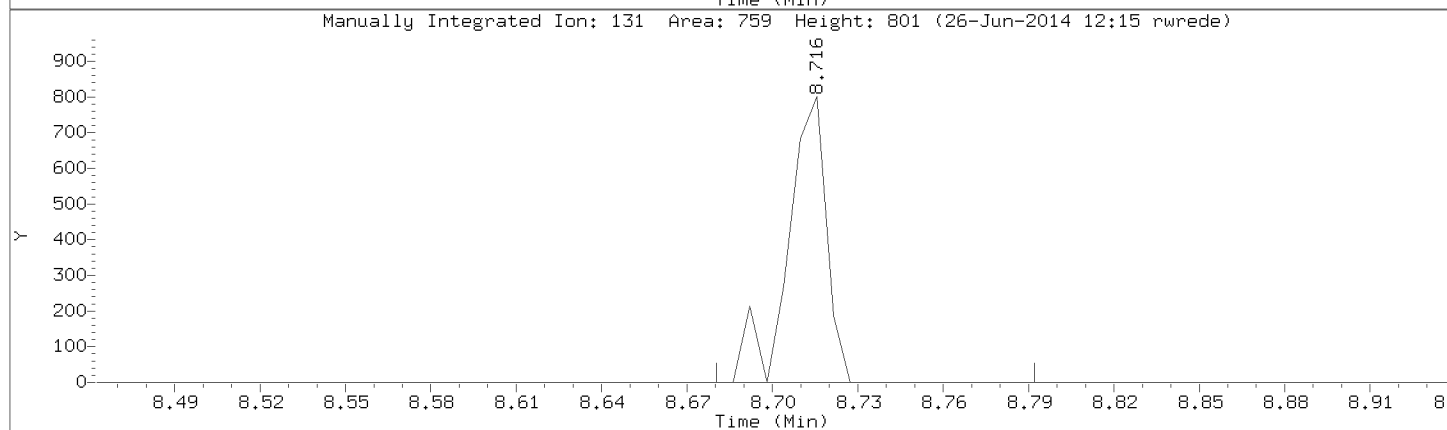
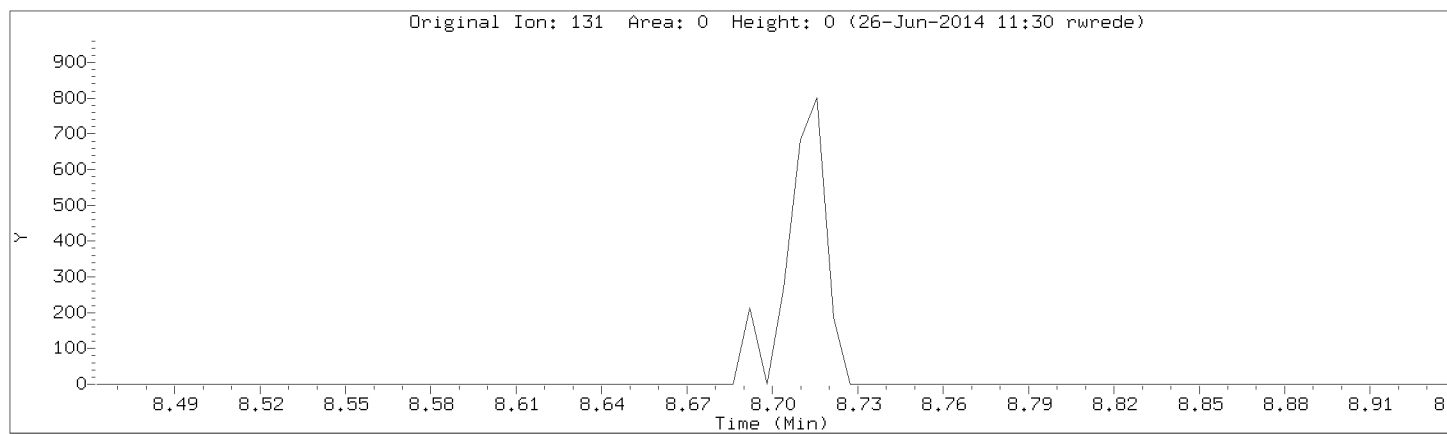


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Injection Date: 25-JUN-2014 16:44

Instrument: 50mv4b.i

Lab Sample ID: 8260-CAL2



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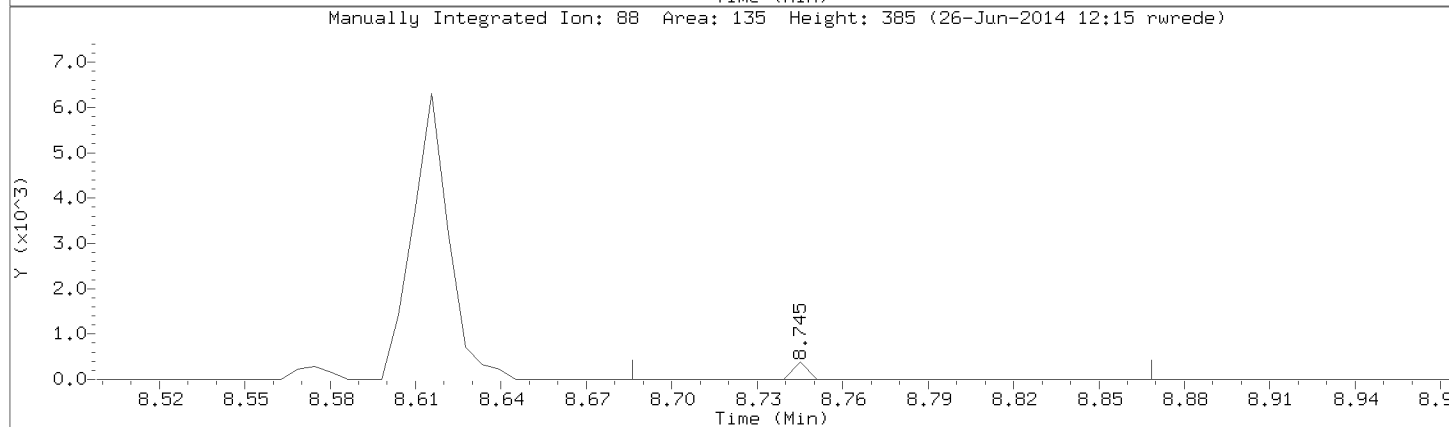
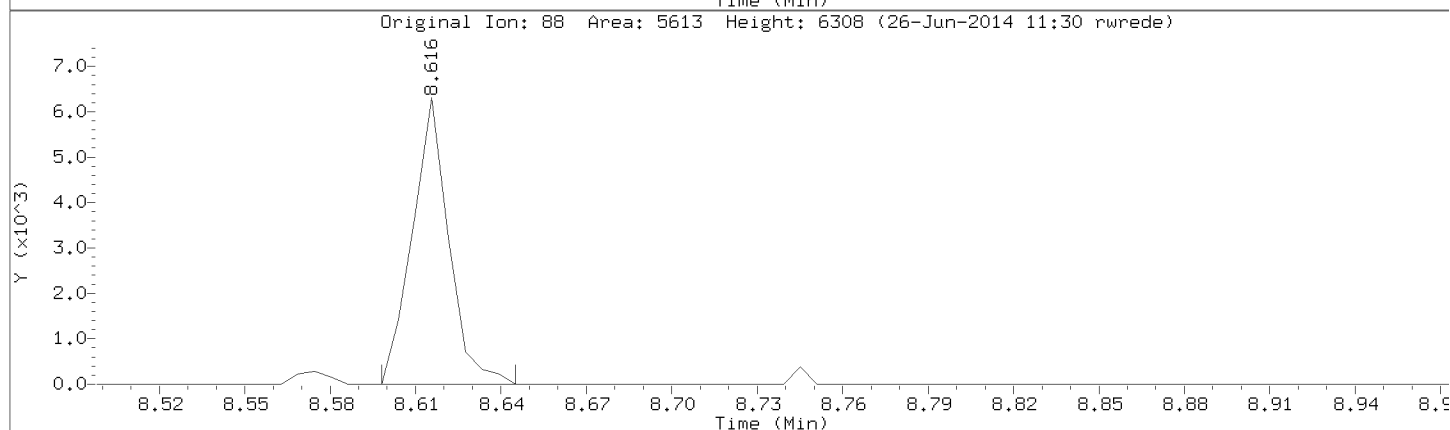
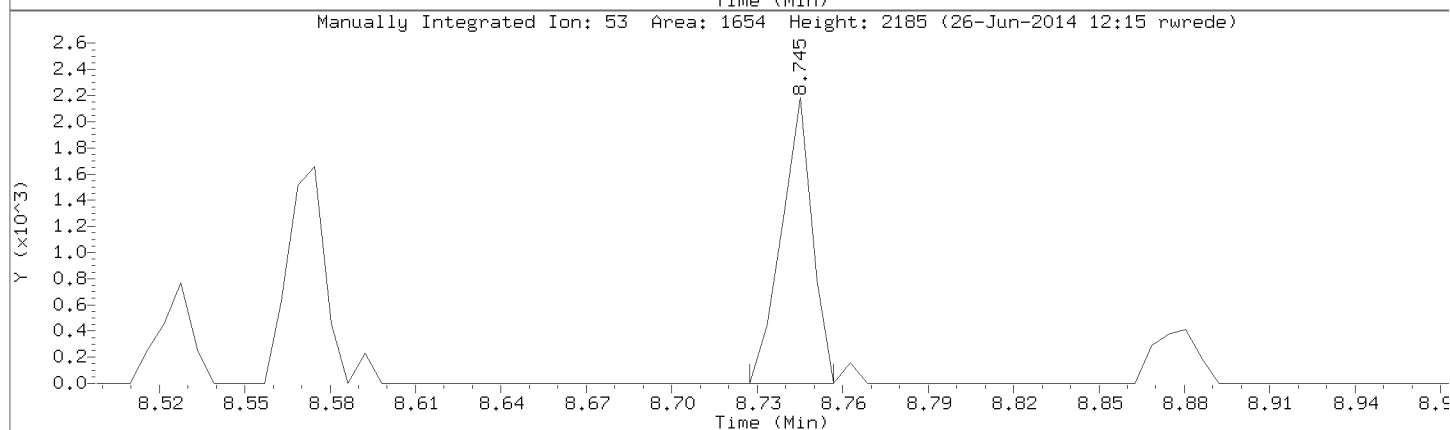
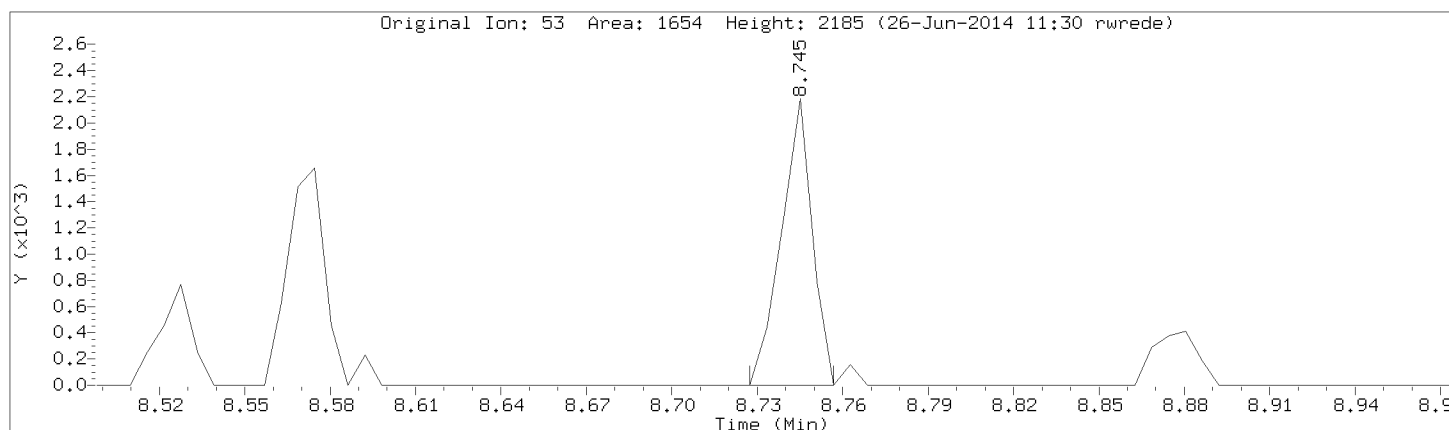
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Instrument: 50mv4b.i

Lab Sample ID: 8260-CAL2

Compound: trans-1,4-Dichloro-2-butene

CAS Number:

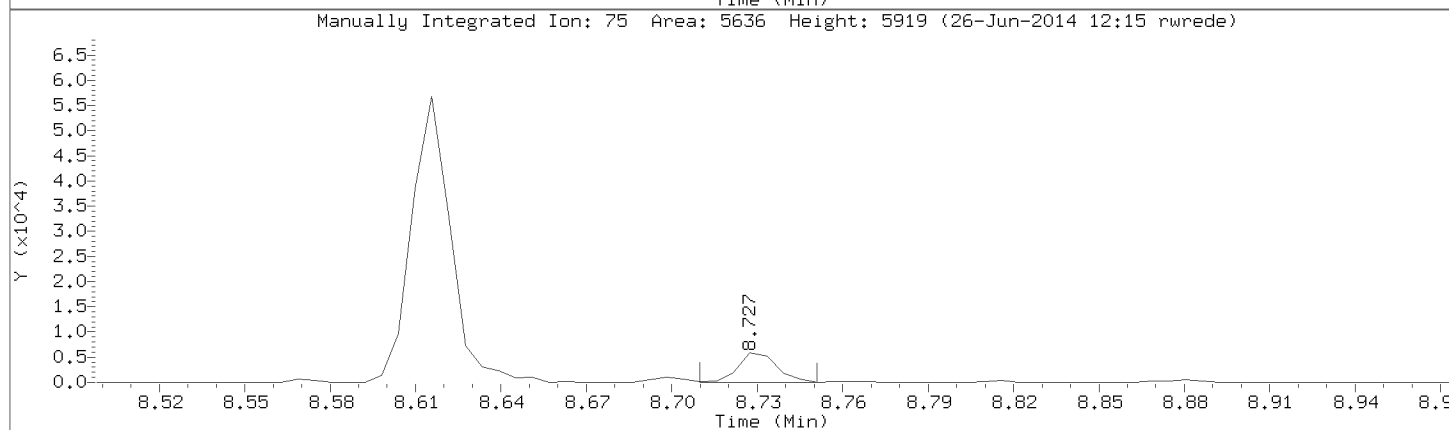
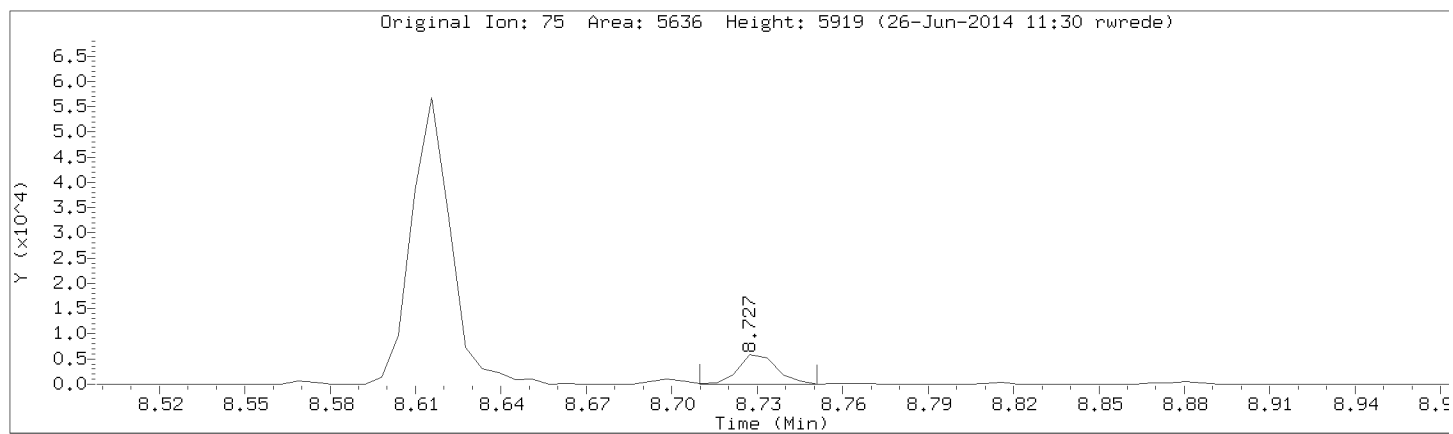


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Injection Date: 25-JUN-2014 16:44

Instrument: 50mv4b.i

Lab Sample ID: 8260-CAL2



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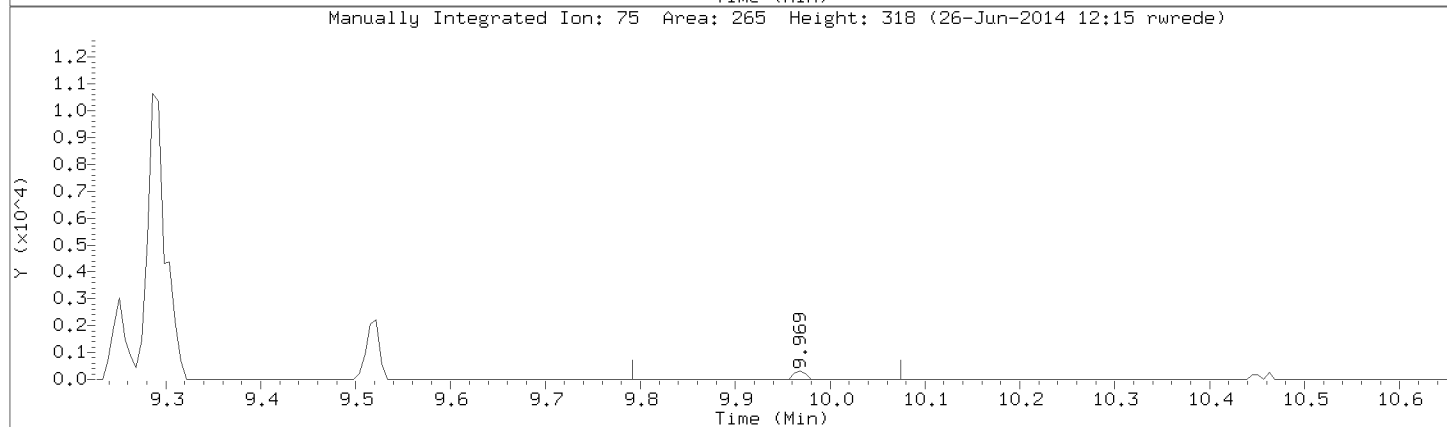
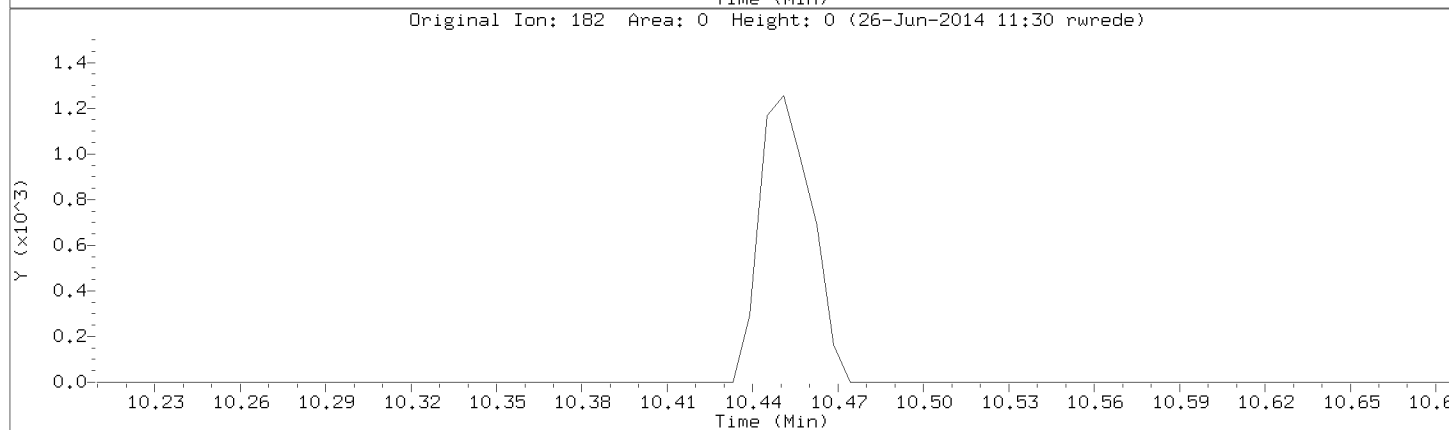
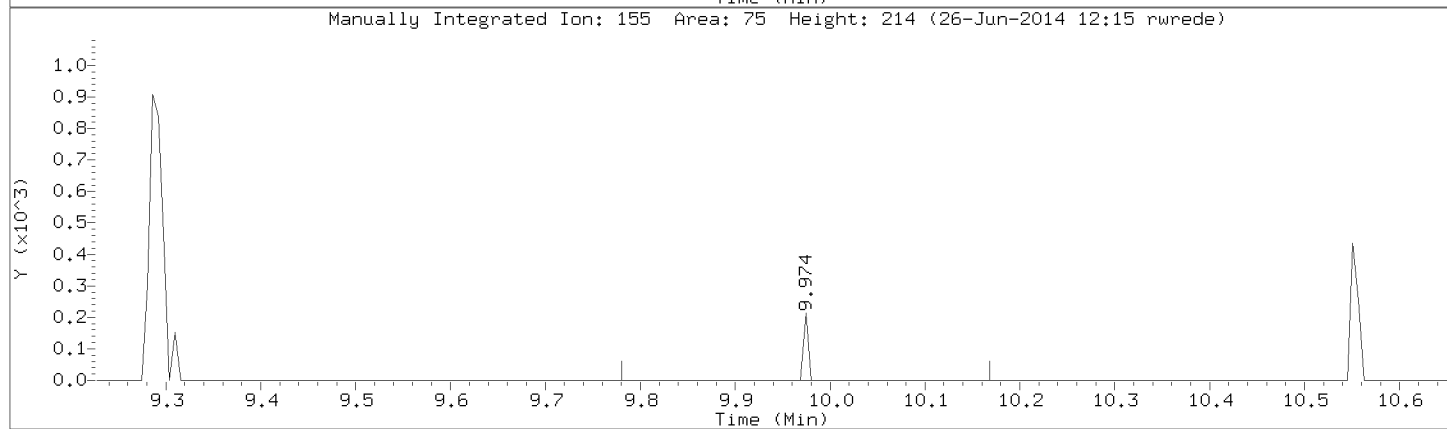
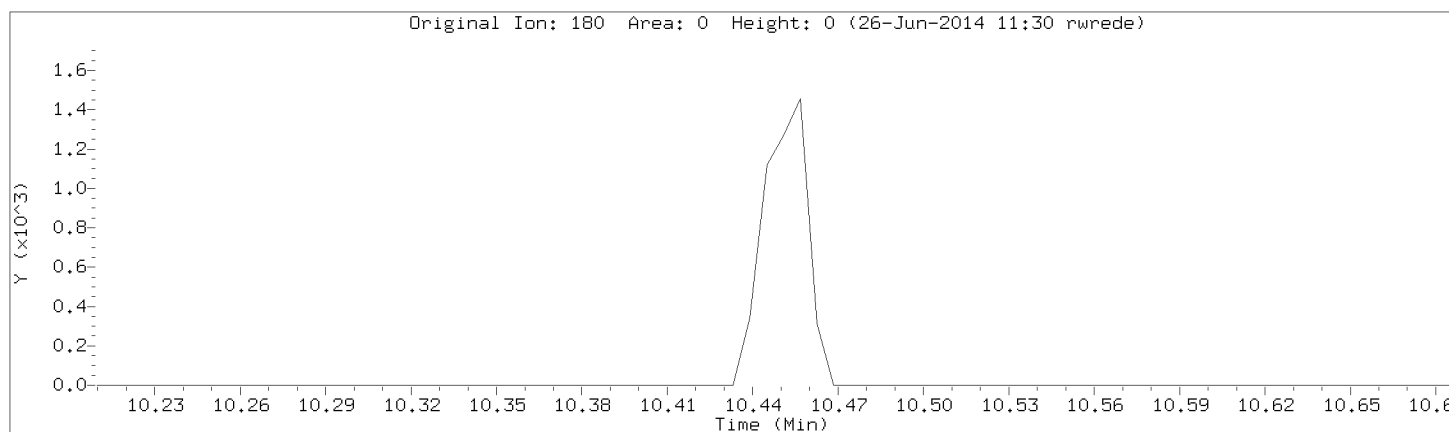
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Instrument: 50mv4b.i

Lab Sample ID: 8260-CAL2

Compound: 1,2-Dibromo-3-chloropropane

CAS Number: 96-12-8

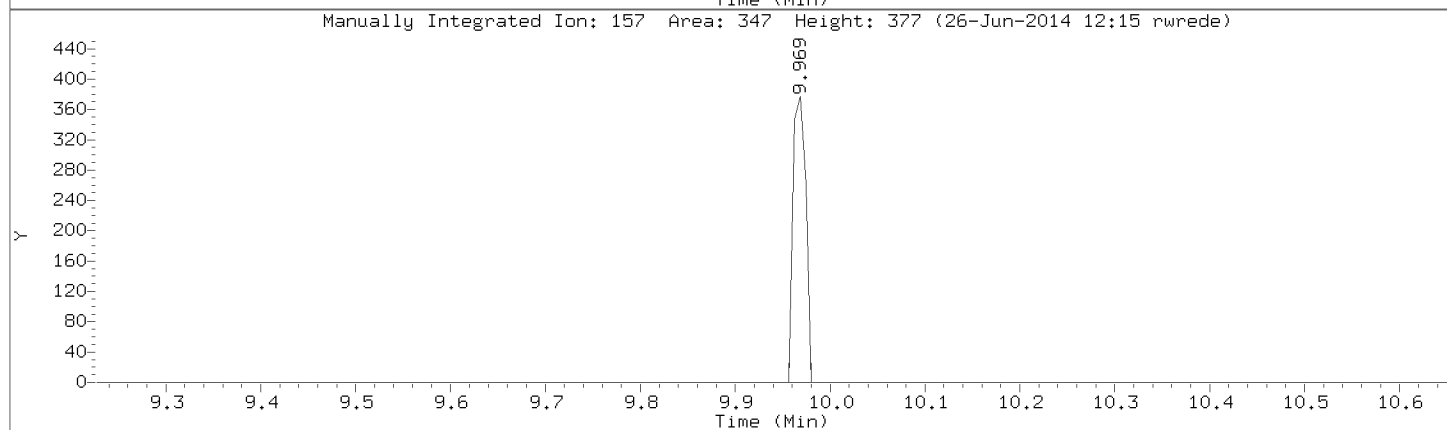
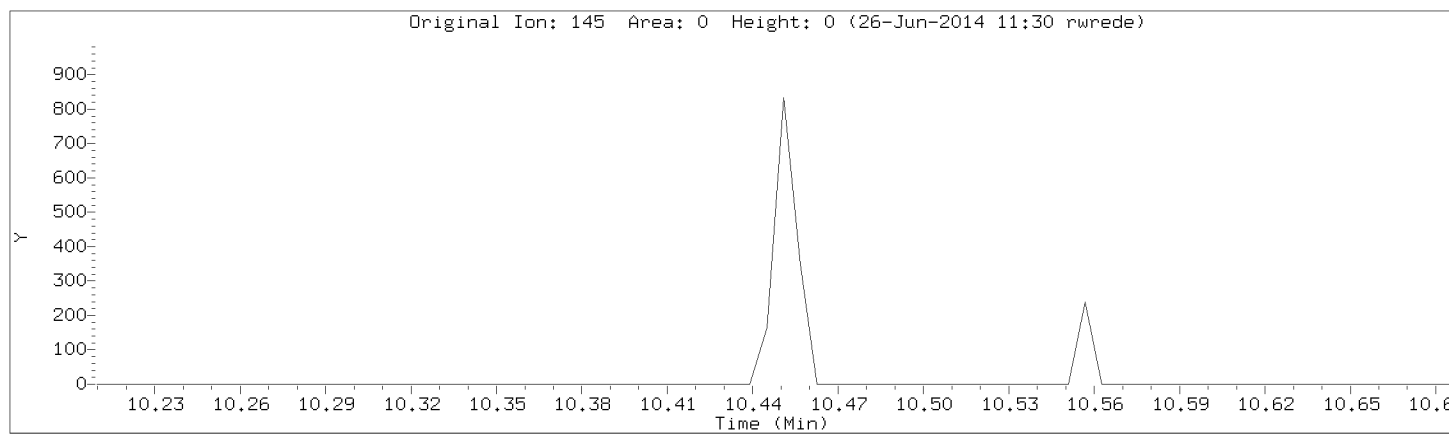


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Injection Date: 25-JUN-2014 16:44

Instrument: 50mv4b.i

Lab Sample ID: 8260-CAL2



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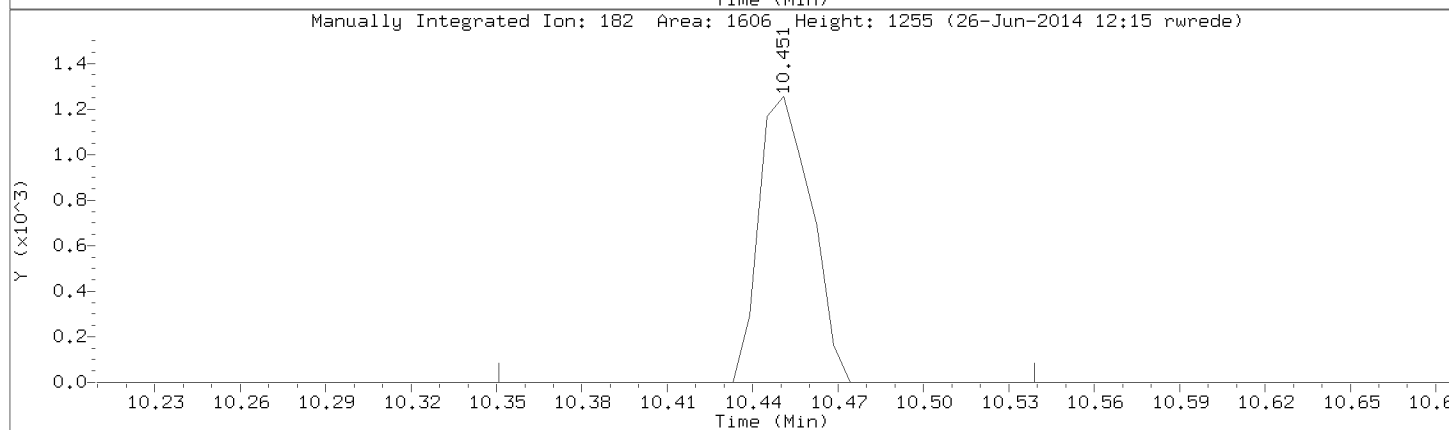
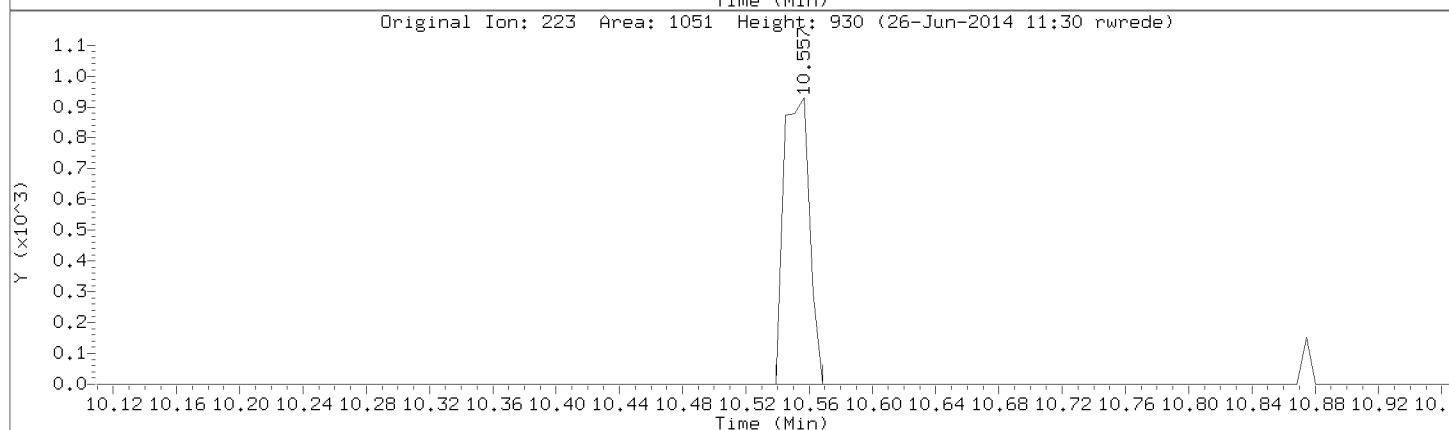
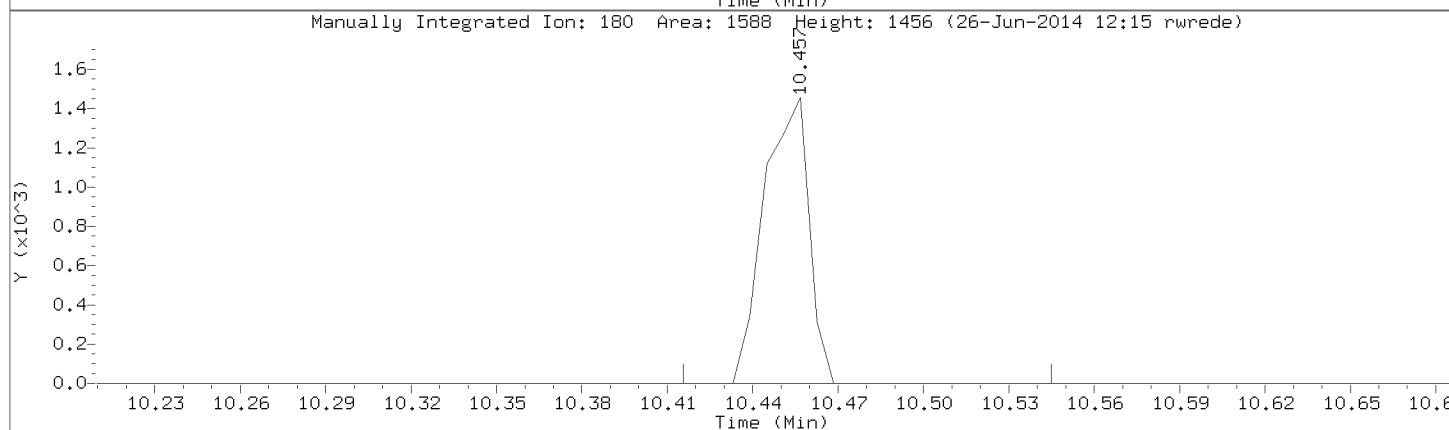
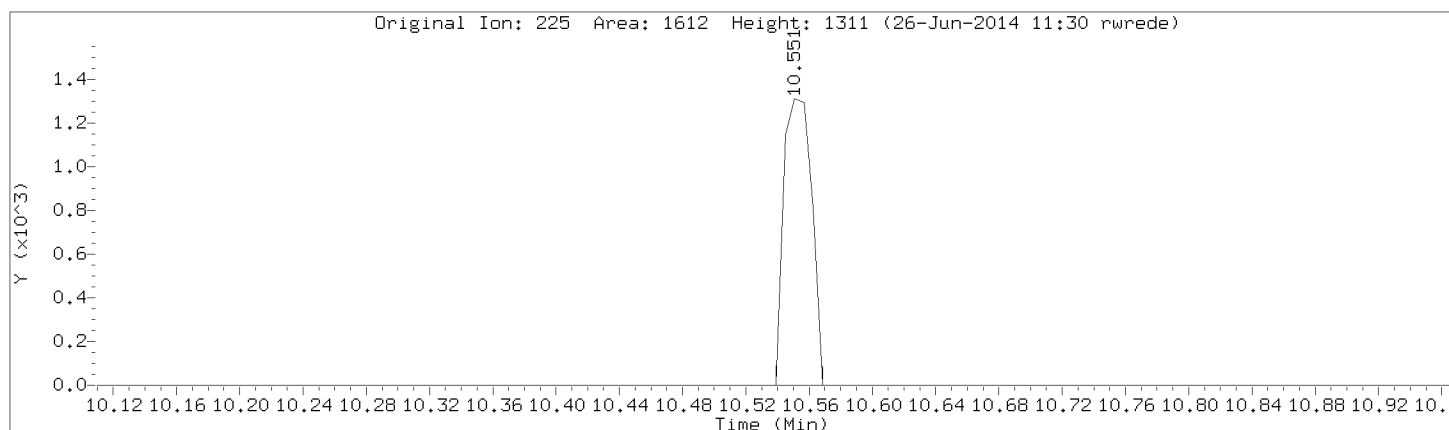
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Instrument: 50mv4b.i

Lab Sample ID: 8260-CAL2

Compound: 1,2,4-Trichlorobenzene

CAS Number: 120-82-1

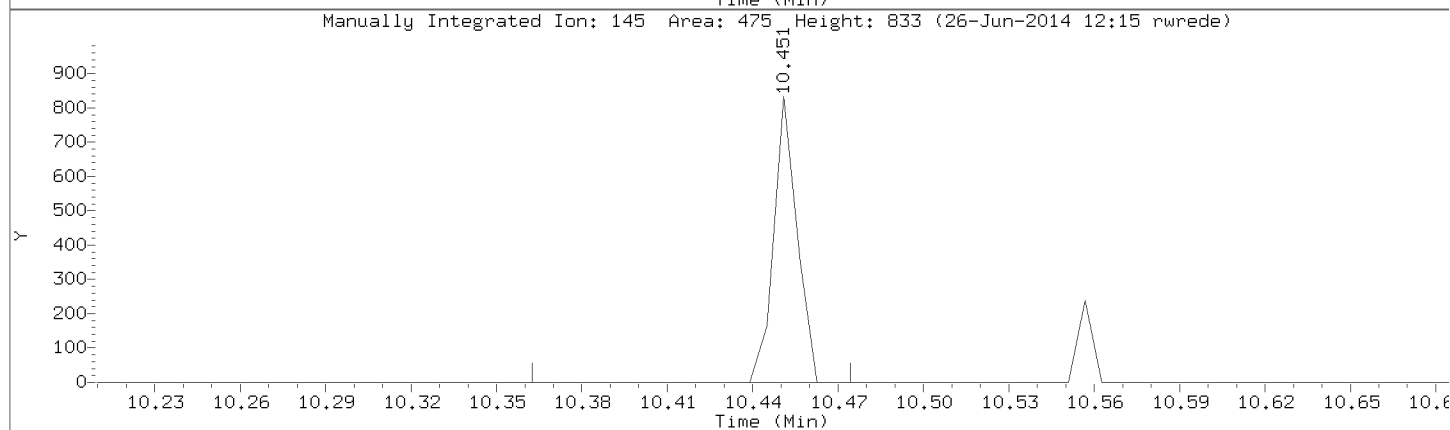
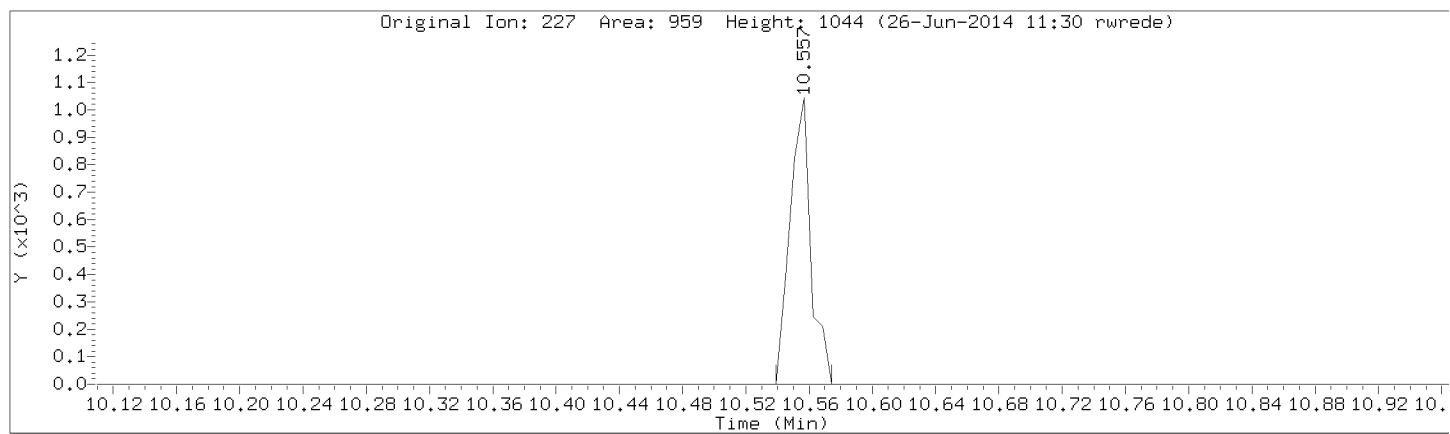


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Injection Date: 25-JUN-2014 16:44

Instrument: 50mv4b.i

Lab Sample ID: 8260-CAL2



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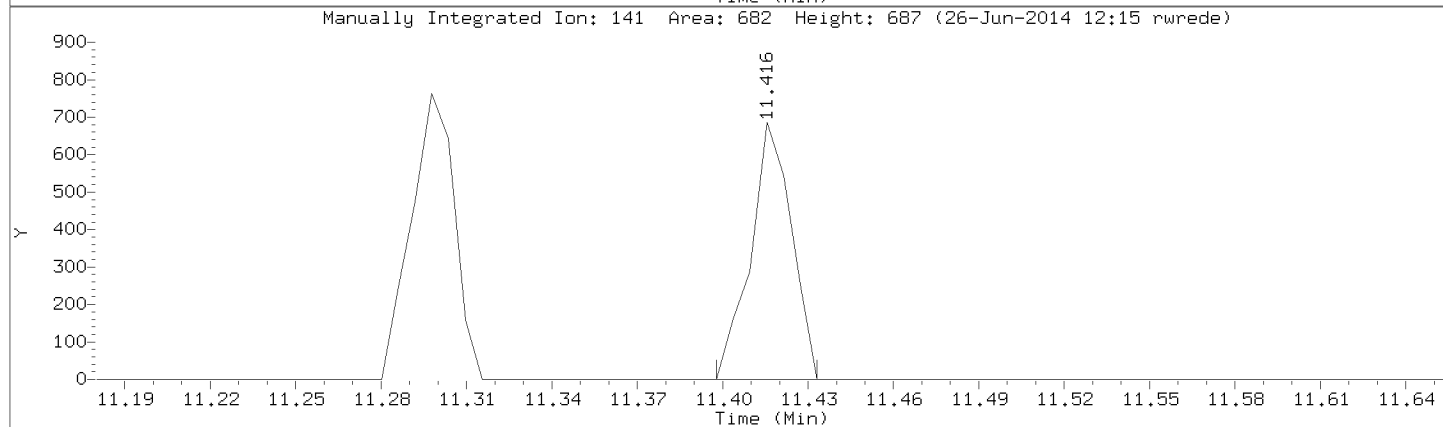
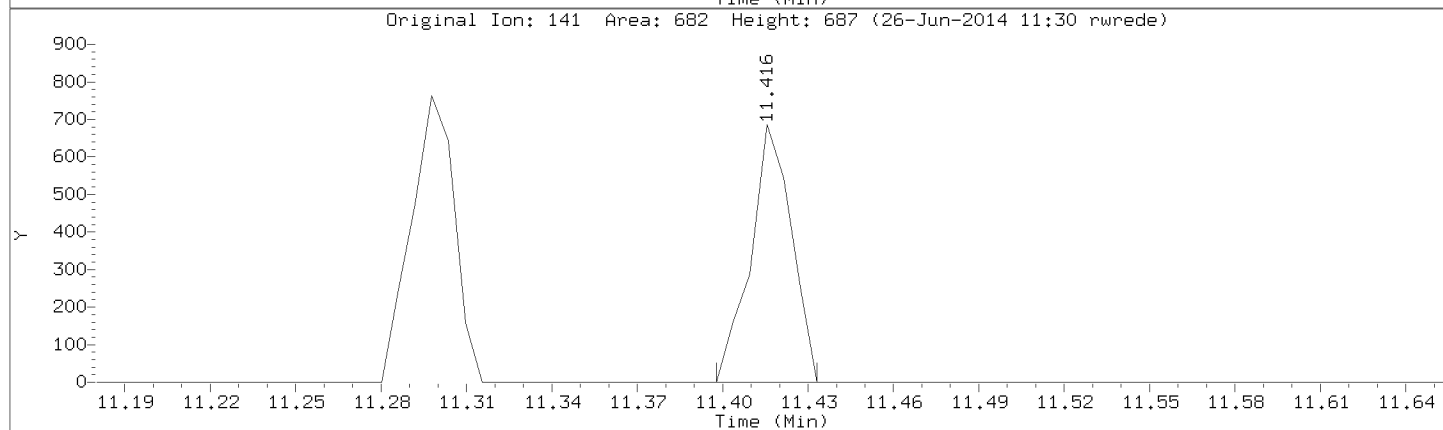
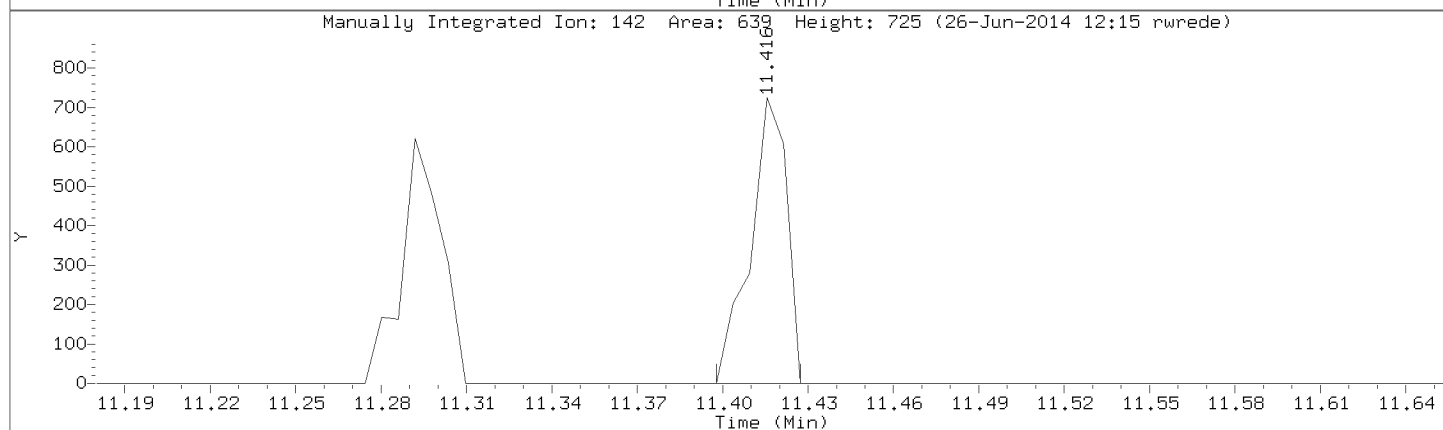
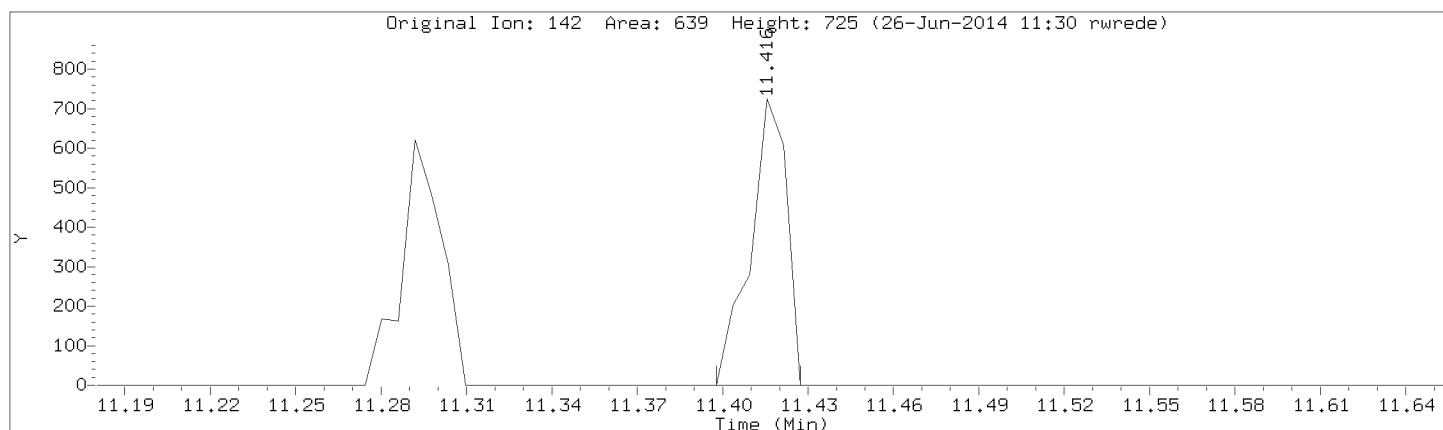
Injection Date: 25-JUN-2014 16:44

Instrument: 50mv4b.i

Lab Sample ID: 8260-CAL2

Compound: 1-Methylnaphthalene

CAS Number: 90-12-0

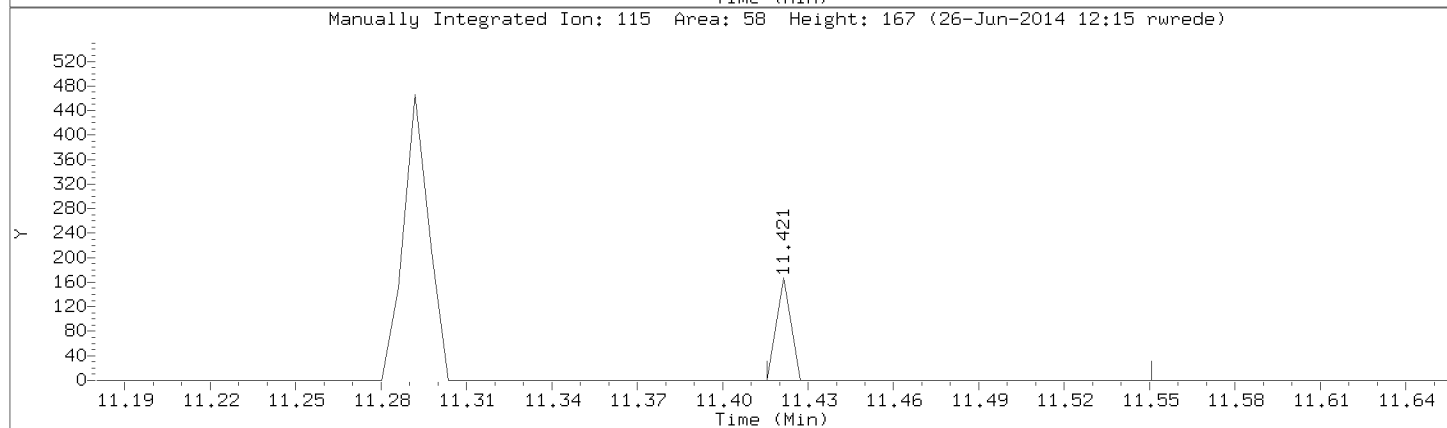
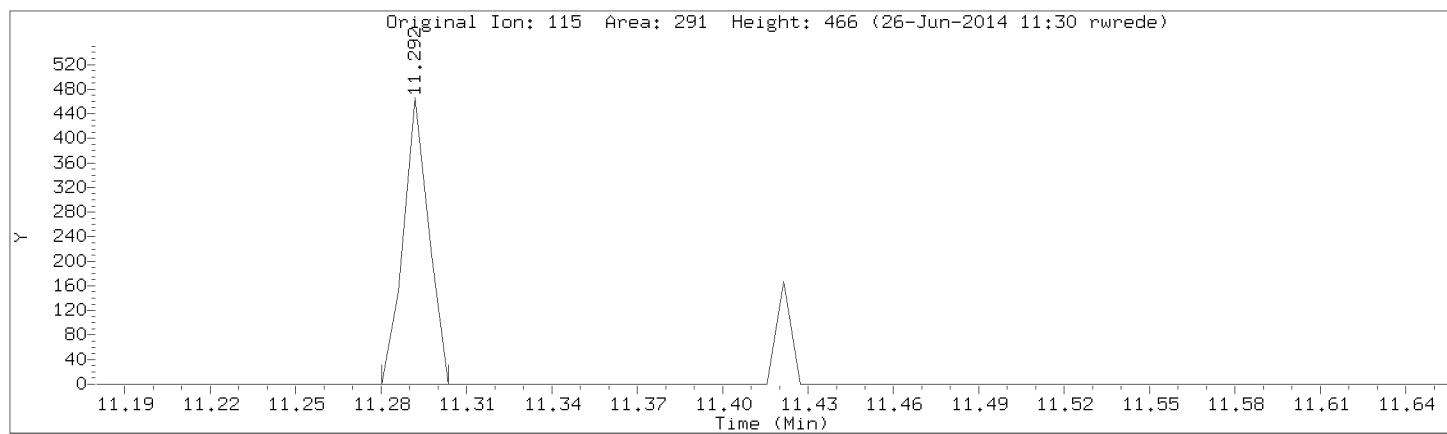


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Injection Date: 25-JUN-2014 16:44

Instrument: 50mv4b.i

Lab Sample ID: 8260-CAL2



Pace Analytical Services, Inc.

Data file : \\192.168.50.6\chem\50mv4b.i\b062514cal.b\b04.d
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 Inj Date : 25-JUN-2014 17:16
 Operator : rsw Inst ID: 50mv4b.i
 Smp Info : 8260-cal3,71412:0
 Misc Info : 66151
 Comment :
 Method : \\192.168.50.6\chem\50mv4b.i\b062514cal.b\b062514cal.b\b04.d
 Meth Date : 26-Jun-2014 12:22 rwrede Quant Type: ISTD
 Cal Date : 23-JUN-2014 22:07 Cal File: d01cal6.d
 Als bottle: 10 Calibration Sample, Level: 3
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: all.sub
 Target Version: 4.14

Concentration Formula: Amt * DF * Uf/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT	SIG	AMOUNTS					REVIEW C	
			MASS	RT	EXP RT	REL RT	RESPONSE		CAL-AMT (ppb)
1 Dichlorodifluoromethane	85		1.057	1.057	(0.205)	20673	2.00000	2.43	
2 Chloromethane	50		1.186	1.192	(0.230)	34622	2.00000	2.41	
3 Vinyl Chloride	62		1.228	1.227	(0.238)	24487	2.00000	2.46	
4 Bromomethane	94		1.422	1.422	(0.275)	6162	2.00000	2.09 (QM)	LT
5 Chloroethane	64		1.480	1.480	(0.286)	14202	2.00000	2.43	
6 Trichlorofluoromethane	101		1.639	1.639	(0.317)	26268	2.00000	2.55	
7 Diethyl ether	74		1.833	1.833	(0.355)	5379	2.00000	1.74 (Q)	
8 1,2-dichlorotrifluoroethane	67		1.833	1.839	(0.355)	14295	2.00000	1.89	
9 Acrolein	56		1.916	1.922	(0.371)	75965	40.00000	49.4	
10 1,1,2trichlorotrifluoroethane	101		1.992	1.992	(0.386)	11881	2.00000	2.02	
11 1,1-Dichloroethene	96		1.986	1.986	(0.384)	11252	2.00000	2.05	
12 Acetone	43		2.033	2.045	(0.393)	25956	10.00000	9.32	
13 Iodomethane	142		2.098	2.098	(0.406)	4098	4.00000	6.61	
14 Carbon Disulfide	76		2.145	2.145	(0.415)	46957	4.00000	3.28	
15 Acetonitrile	39		2.269	2.269	(0.439)	29250	2.00000	1.72	
16 allyl chloride	41		2.263	2.269	(0.438)	45718	4.00000	3.39	
17 Methyl Acetate	43		2.292	2.298	(0.444)	14250	2.00000	1.94	
18 Methylene Chloride	84		2.369	2.369	(0.458)	28505	2.00000	2.58	
19 tert-Butyl Alcohol	59		2.516	2.527	(0.487)	1855	4.00000	2.82 (M)	LT
20 Acrylonitrile	53		2.592	2.604	(0.502)	127997	40.00000	39.8	
21 1,2-Dichloroethene (trans)	96		2.610	2.616	(0.505)	10257	2.00000	1.79 (Q)	
22 Methyl-tert-butyl ether	73		2.616	2.627	(0.506)	39393	4.00000	3.49	
23 n-Hexane	57		2.886	2.886	(0.558)	22249	2.00000	1.80	

Compounds	QUANT	SIG						AMOUNTS		REVIEW C
			MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ppb)	ON-COL (ppb)	
24 1,1-Dichloroethane	63		3.027	3.039	(0.586)	22510	2.00000	1.80		
25 Vinyl Acetate	43		3.122	3.127	(0.604)	160025	8.00000	8.87		
26 chloroprene	53		3.139	3.139	(0.607)	20789	2.00000	1.69		
27 2,2-Dichloropropane	77		3.745	3.739	(0.725)	6495	2.00000	5.41		
28 1,2-Dichloroethene (cis)	96		3.757	3.757	(0.727)	11883	2.00000	1.75		
29 2-Butanone	43		3.816	3.821	(0.738)	32625	10.00000	8.53		
30 Propionitrile	54		3.880	3.904	(0.751)	1832	2.00000	1.77 (Q)		
31 Bromochloromethane	49		4.069	4.074	(0.787)	16634	2.00000	1.98		
32 Methacrylonitrile	41		4.098	4.098	(0.793)	9224	2.00000	1.60		
33 Tetrahydrofuran	42		4.151	4.151	(0.803)	6887	2.00000	2.25		
34 Chloroform	83		4.204	4.210	(0.813)	18144	2.00000	1.75		
35 1,1,1-Trichloroethane	97		4.392	4.398	(0.850)	12754	2.00000	1.71		
\$ 36 Dibromofluoromethane (S)	113		4.398	4.410	(0.851)	94665	50.00000	49.7		
37 Cyclohexane	56		4.445	4.451	(0.860)	22955	2.00000	1.68		
38 Carbon Tetrachloride	117		4.586	4.592	(0.887)	9646	2.00000	1.63		
39 1,1-Dichloropropene	75		4.604	4.604	(0.891)	14663	2.00000	1.87		
40 Benzene	78		4.839	4.839	(0.936)	44286	2.00000	1.81		
41 1,2-Dichloroethane	62		4.874	4.880	(0.943)	16662	2.00000	1.69		
42 2,2,4-Trimethylpentane	57		4.957	4.963	(0.959)	34326	2.00000	1.62		
43 Isobutyl alcohol	43		4.957	4.957	(0.959)	7658	2.00000	1.71		
* 44 Fluorobenzene	96		5.168	5.168	(1.000)	374470	50.00000			
45 Trichloroethene	95		5.557	5.563	(1.075)	10891	2.00000	1.81		
46 Methylcyclohexane	55		5.739	5.739	(1.110)	17575	2.00000	1.69		
47 1,2-Dichloropropane	63		5.786	5.792	(1.119)	12228	2.00000	1.71		
48 Dibromomethane	93		5.904	5.904	(1.142)	6059	2.00000	1.72		
49 1,4-Dioxane	88		5.963	6.015	(1.154)	1495	40.00000	(M)	LT	
50 Methyl methacrylate	69		5.974	5.974	(1.156)	4378	2.00000	2.41		
51 Bromodichloromethane	83		6.086	6.086	(1.178)	10783	2.00000	1.71		
52 2-Chloroethyl vinyl ether	63		6.415	6.415	(0.815)	8526	4.00000	5.34		
53 cis-1,3-Dichloropropene	75		6.527	6.527	(0.829)	8162	2.00000	3.49		
54 4-Methyl-2-Pentanone	43		6.698	6.704	(0.851)	57016	10.00000	8.06		
\$ 55 Toluene-d8	98		6.763	6.768	(0.859)	372873	50.00000	51.4		
56 Toluene	91		6.827	6.827	(0.867)	45336	2.00000	1.76		
57 trans-1,3-Dichloropropene	75		7.051	7.051	(0.895)	4577	2.00000	4.46		
58 Ethyl Methacrylate	69		7.157	7.157	(0.909)	7306	2.00000	2.72		
59 1,1,2-Trichloroethane	83		7.192	7.192	(0.913)	8180	2.00000	1.90		
60 Tetrachloroethene	166		7.280	7.280	(0.925)	12944	2.00000	1.88		
61 1,3-Dichloropropane	76		7.315	7.315	(0.929)	16296	2.00000	1.89		
62 2-Hexanone	43		7.410	7.409	(0.941)	34116	10.00000	7.35		
63 Dibromochloromethane	129		7.480	7.480	(0.950)	5776	2.00000	3.69		
64 1,2-Dibromoethane	107		7.545	7.551	(0.958)	8705	2.00000	1.72		
* 65 Chlorobenzene-d5	117		7.874	7.874	(1.000)	287760	50.00000			
66 Chlorobenzene	112		7.892	7.892	(1.002)	33526	2.00000	1.86		
67 1,1,1,2-Tetrachloroethane	131		7.951	7.951	(1.010)	6611	2.00000	2.72		
68 Ethylbenzene	106		7.974	7.974	(1.013)	13491	2.00000	1.55 (Q)		
69 m&p-Xylene	106		8.051	8.051	(1.022)	34259	4.00000	3.43		
70 o-Xylene	106		8.298	8.298	(1.054)	15824	2.00000	1.68		
71 Styrene	104		8.309	8.309	(1.055)	20562	2.00000	1.83		
72 Bromoform	173		8.415	8.415	(0.906)	2865	2.00000	4.04 (M)	NI	
73 Isopropylbenzene	105		8.527	8.527	(1.083)	34677	2.00000	0.923		
\$ 74 4-Bromofluorobenzene	95		8.609	8.615	(1.093)	115992	50.00000	48.2		
75 Bromobenzene	77		8.698	8.698	(1.105)	15541	2.00000	1.72		
76 1,1,2,2-Tetrachloroethane	83		8.709	8.709	(0.938)	12278	2.00000	2.07		
77 1,2,3-Trichloropropane	110		8.727	8.733	(0.940)	3722	2.00000	2.04		

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS		REVIEW C
						CAL-AMT (ppb)	ON-COL (ppb)	
78 trans-1,4-Dichloro-2-butene	53	8.739	8.745	(1.110)	2211	2.00000	3.29 (QM)	WP
79 n-Propylbenzene	91	8.768	8.768	(0.944)	32473	2.00000	1.64	
80 2-Chlorotoluene	91	8.815	8.815	(0.949)	27740	2.00000	1.91	
81 1,3,5-Trimethylbenzene	105	8.874	8.874	(0.956)	20229	2.00000	1.57	
82 4-Chlorotoluene	126	8.880	8.880	(0.956)	8310	2.00000	1.67	
83 tert-Butylbenzene	119	9.062	9.062	(0.976)	21992	2.00000	1.50	
84 1,2,4-Trimethylbenzene	105	9.086	9.092	(0.978)	16947	2.00000	1.80	
85 sec-Butylbenzene	105	9.186	9.192	(0.989)	21905	2.00000	1.43	
86 1,3-Dichlorobenzene	146	9.245	9.251	(0.996)	15856	2.00000	1.81	
87 p-Isopropyltoluene	119	9.274	9.274	(0.999)	17328	2.00000	3.60	
* 88 1,4-Dichlorobenzene-d4	152	9.286	9.292	(1.000)	98034	50.00000		
89 1,4-Dichlorobenzene	146	9.298	9.303	(1.001)	16402	2.00000	1.83	
90 n-Butylbenzene	91	9.509	9.509	(1.024)	10607	2.00000	4.49	
91 1,2-Dichlorobenzene	146	9.515	9.521	(1.025)	14389	2.00000	1.74	
92 1,2-Dibromo-3-chloropropane	155	9.962	9.974	(1.073)	477	2.00000	4.33 (Q)	
93 1,2,4-Trichlorobenzene	180	10.450	10.456	(1.125)	2928	2.00000	5.65 (M)	NI
94 Hexachlorobutadiene	225	10.545	10.557	(1.136)	3088	2.00000	1.82	
95 Naphthalene	128	10.598	10.610	(1.141)	6737	2.00000	4.58	
96 1,2,3-Trichlorobenzene	180	10.745	10.756	(1.157)	3065	2.00000	5.04	
97 2-methyl-naphthalene	142	11.292	11.303	(1.216)	746	2.00000	3.78 (QM)	NI
98 1-Methylnaphthalene	142	11.409	11.427	(2.207)	311	2.00000	1.60 (QM)	NI

QC Flag Legend

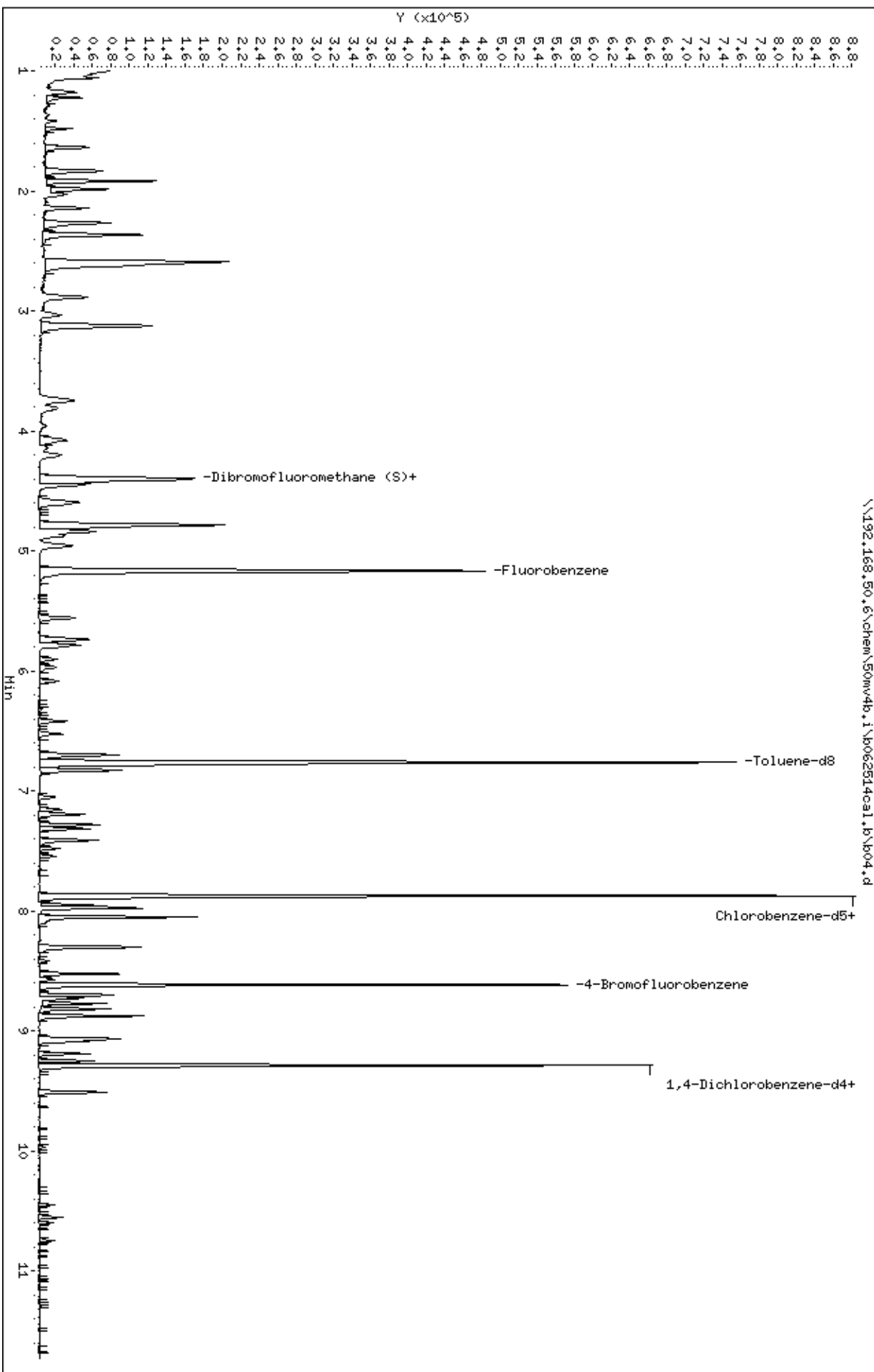
- Q - Qualifier signal failed the ratio test.
- M - Compound response manually integrated.

Review Codes Legend

- LT: Indicates that the peak in question was inappropriately integrated to an area less than what it should be (e.g., Peak area was cut).
- NI: Indicates that the peak was not integrated at all by the computer software.
- WP: Indicates that the wrong peak was chosen by the data system.

Data File: \\192.168.50.6\chem\50mw4b.i\B062514cal.b\k04.d
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Client ID: 8260-CAL3
Sample Info: 8260-CAL3.71412:0
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50mw4b.i
Operator: rsu
Column diameter: 0.18



Data File: \\192.168.50.6\chem\50mv4b.i\b062514cal.b\b04.d

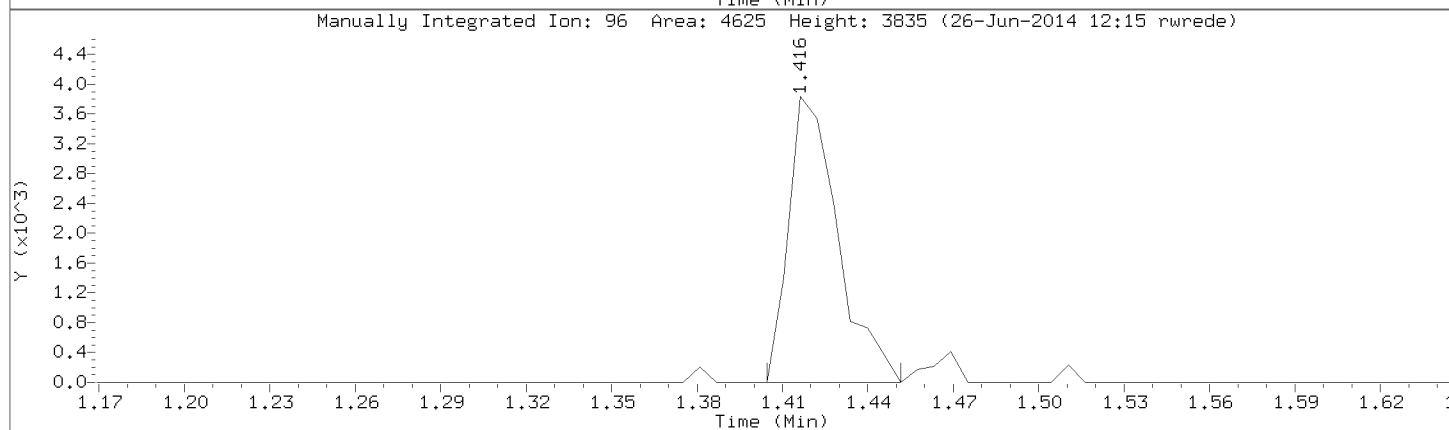
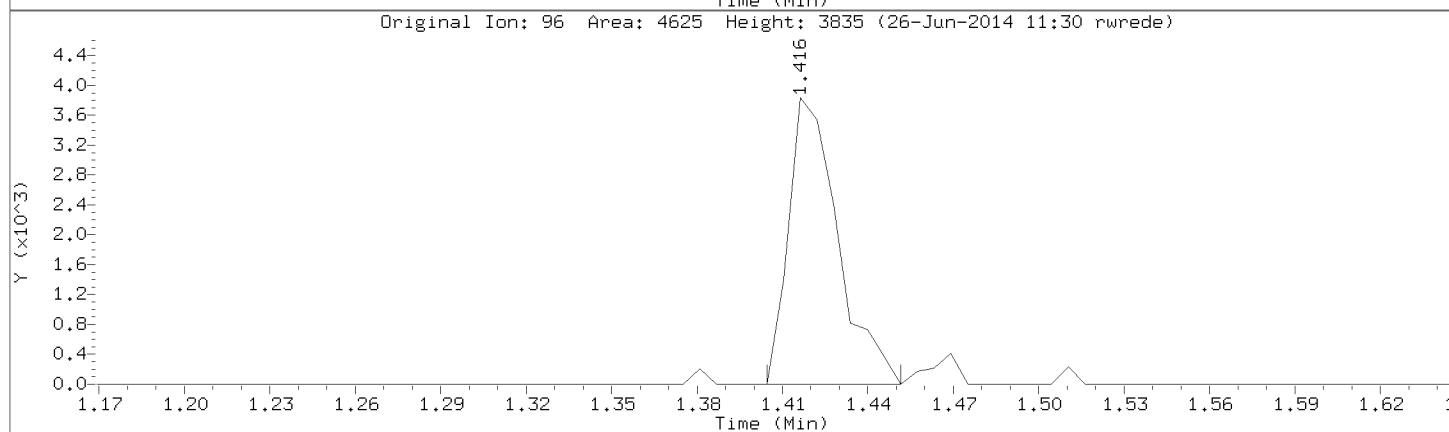
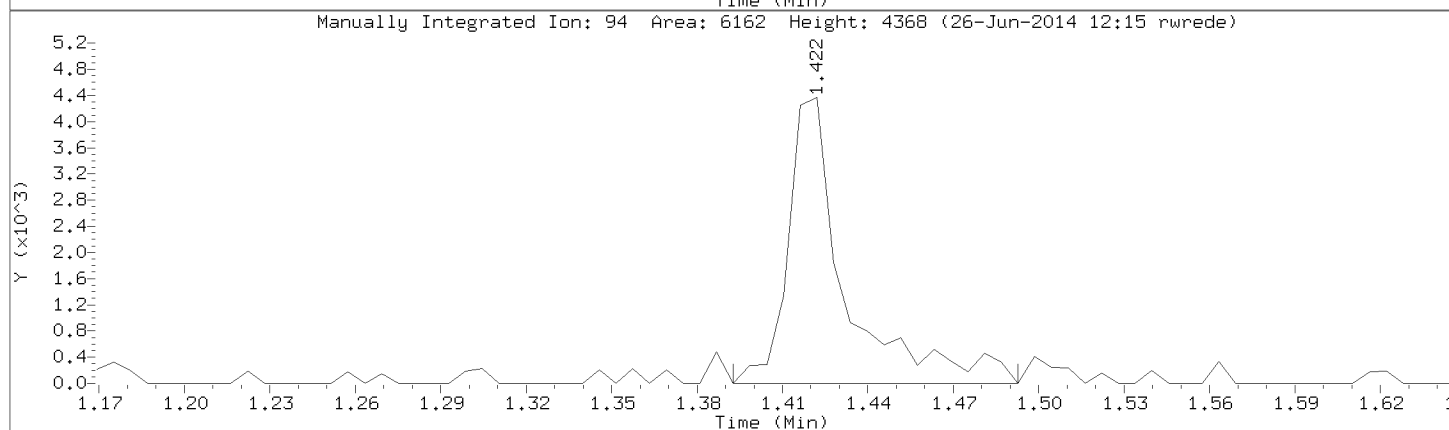
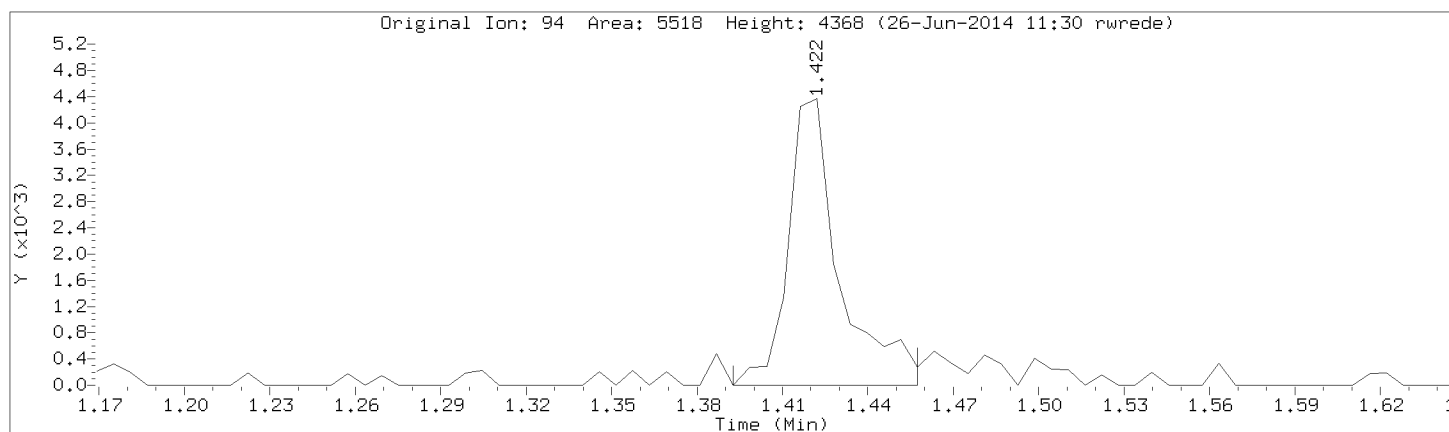
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Instrument: 50mv4b.i

Lab Sample ID: 8260-CAL3

Compound: Bromomethane

CAS Number: 74-83-9



Data File: \\192.168.50.6\chem\50mv4b.i\b062514cal.b\b04.d

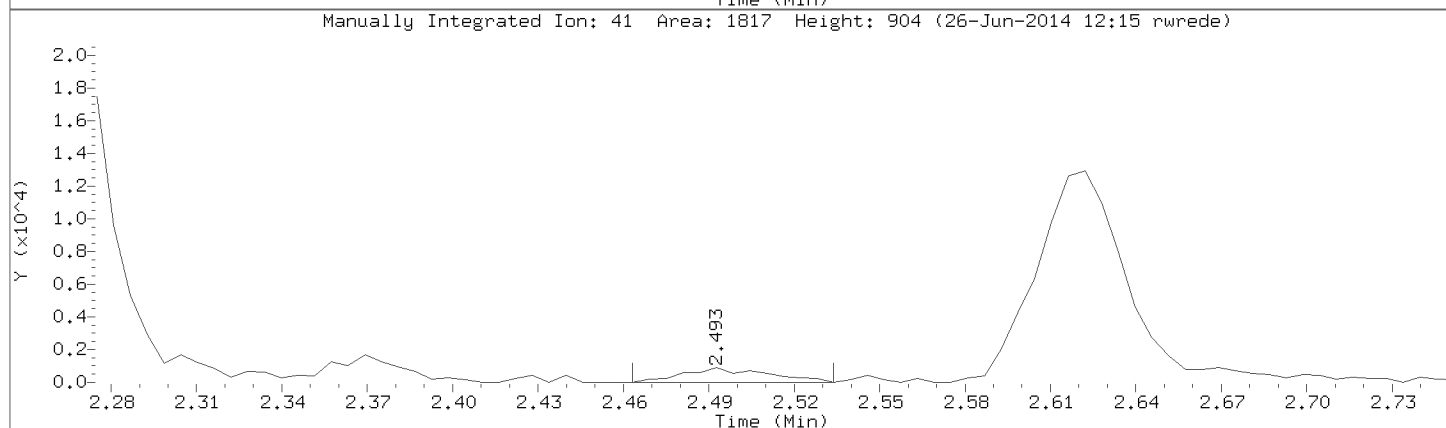
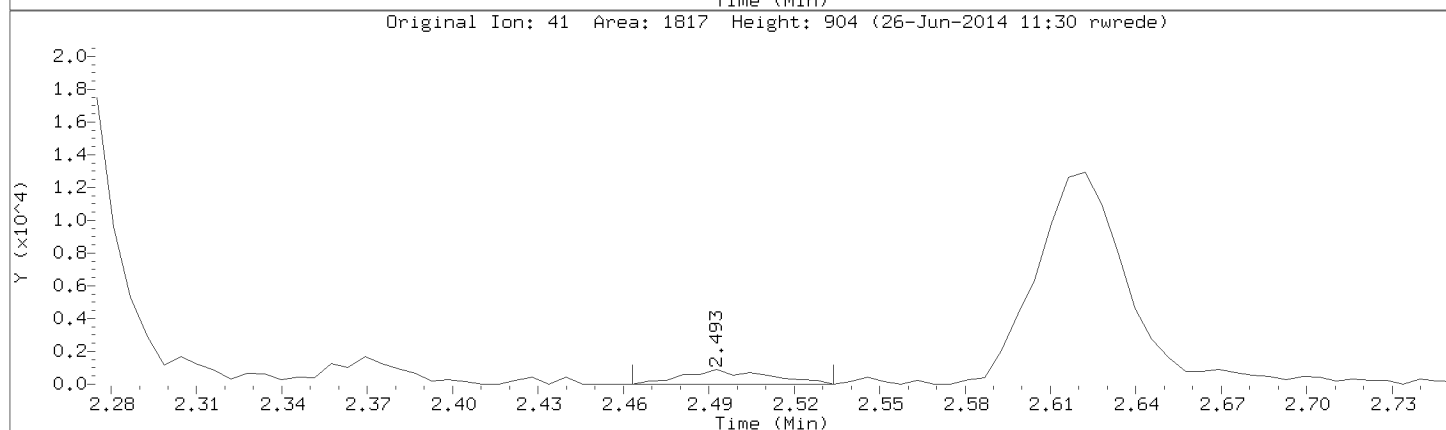
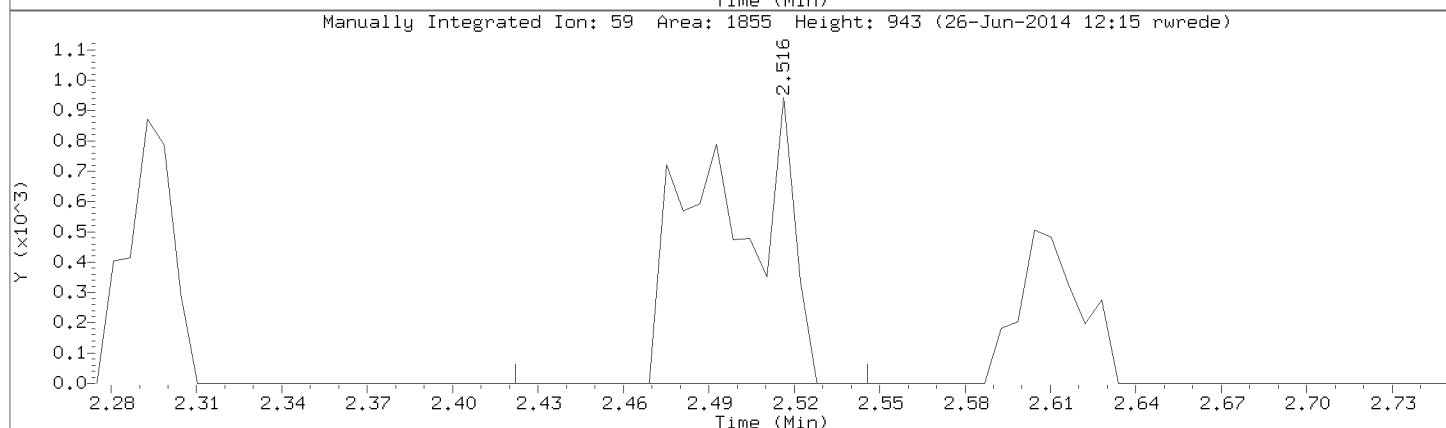
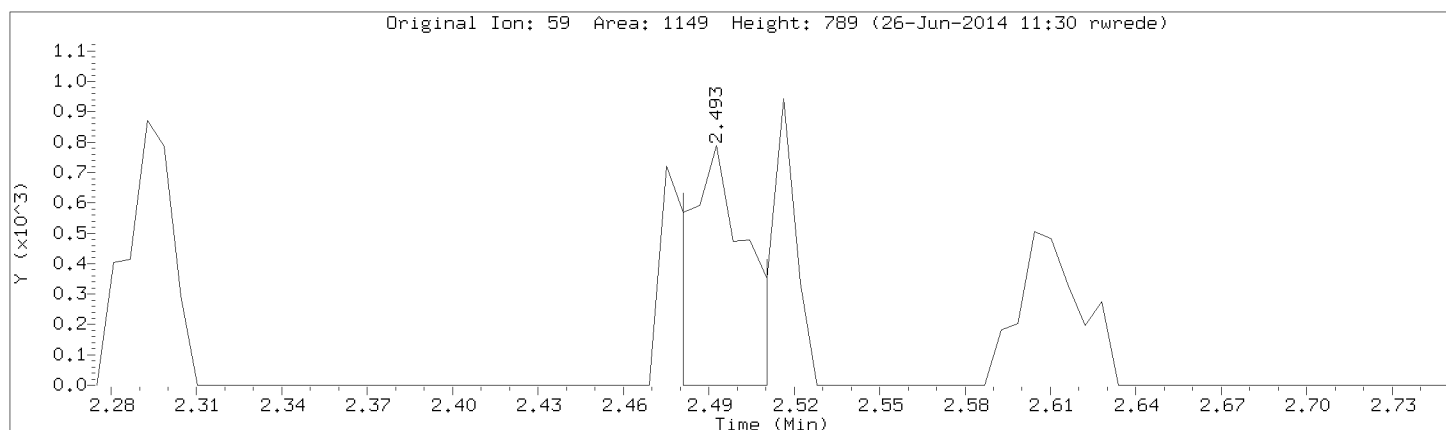
Injection Date: 25-JUN-2014 17:16

Instrument: 50mv4b.i

Lab Sample ID: 8260-CAL3

Compound: tert-Butyl Alcohol

CAS Number: 75-65-0



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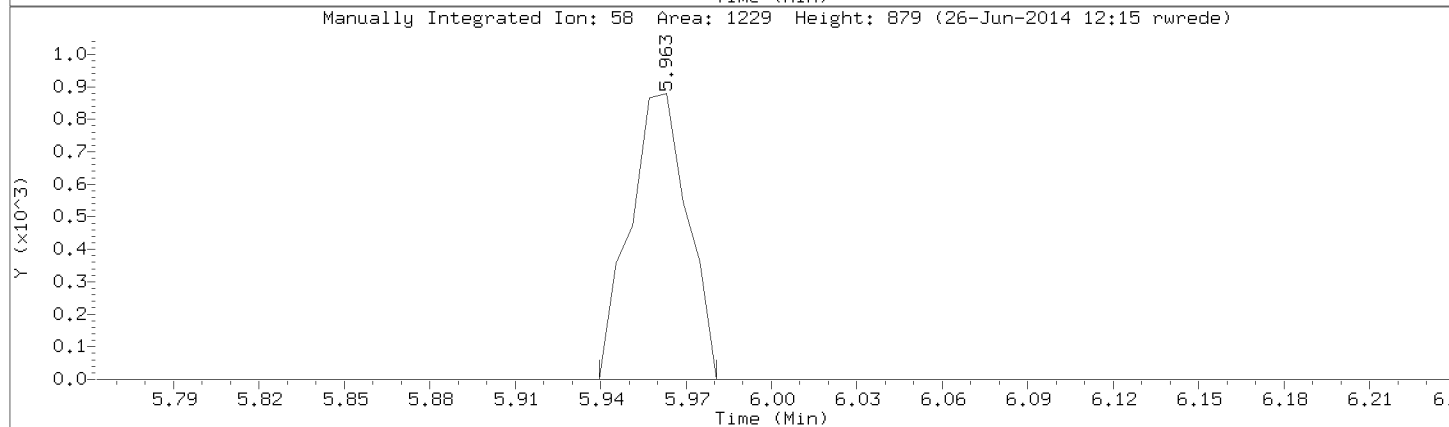
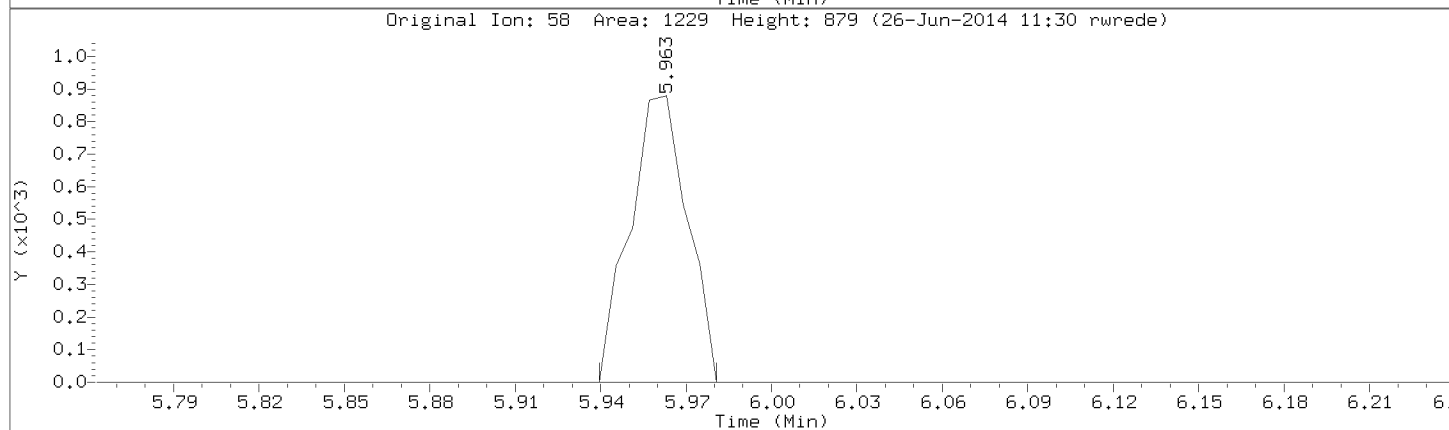
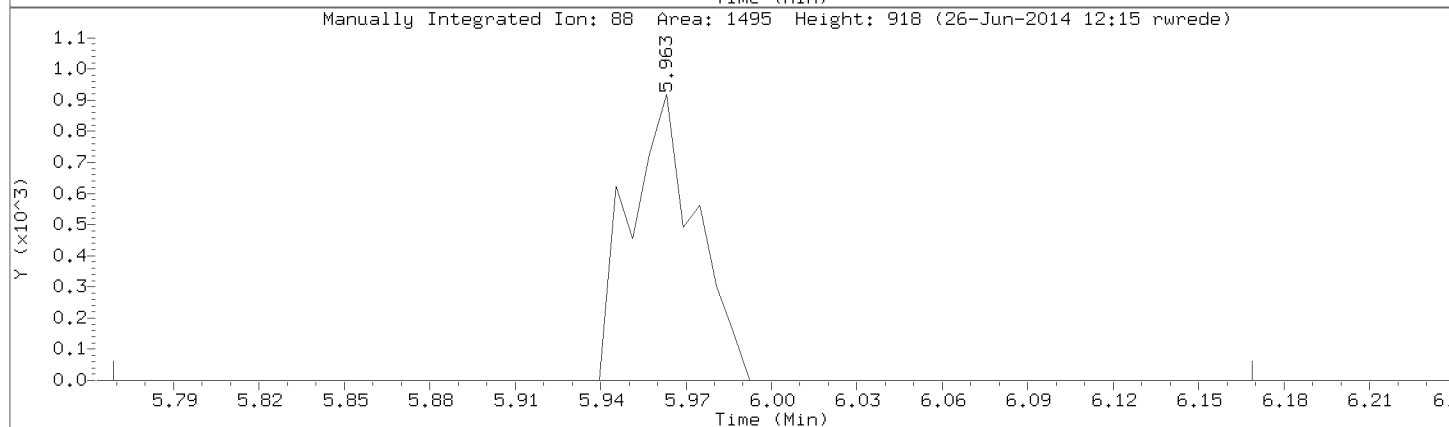
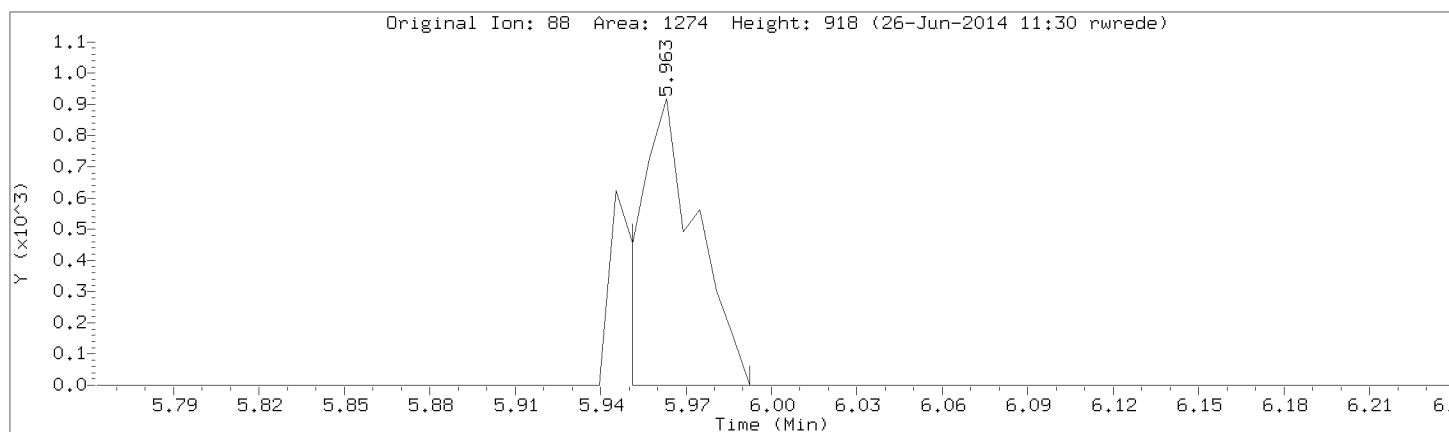
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Instrument: 50mv4b.i

Lab Sample ID: 8260-CAL3

Compound: 1,4-Dioxane

CAS Number:



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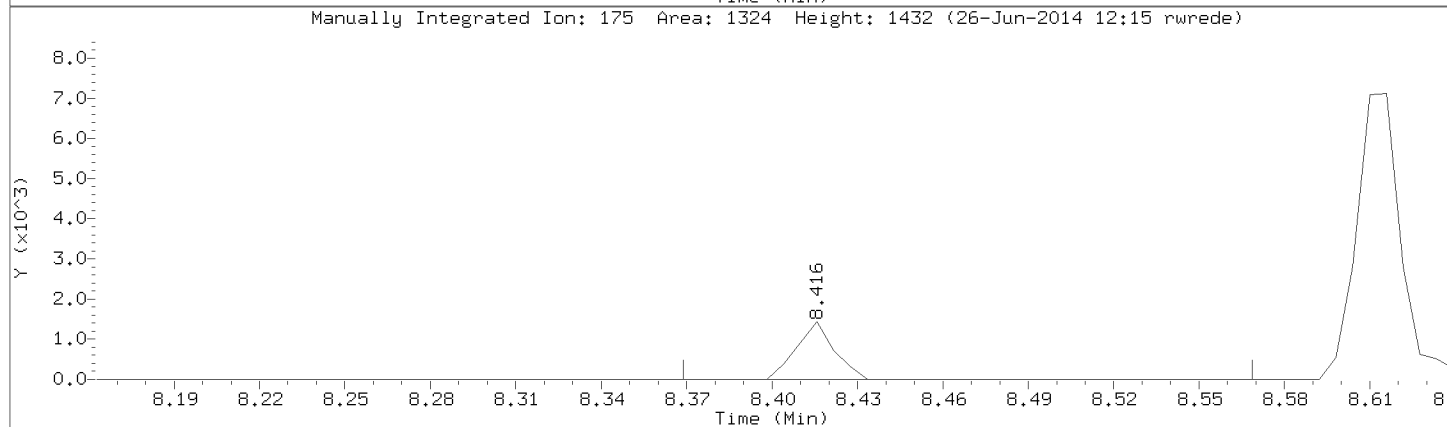
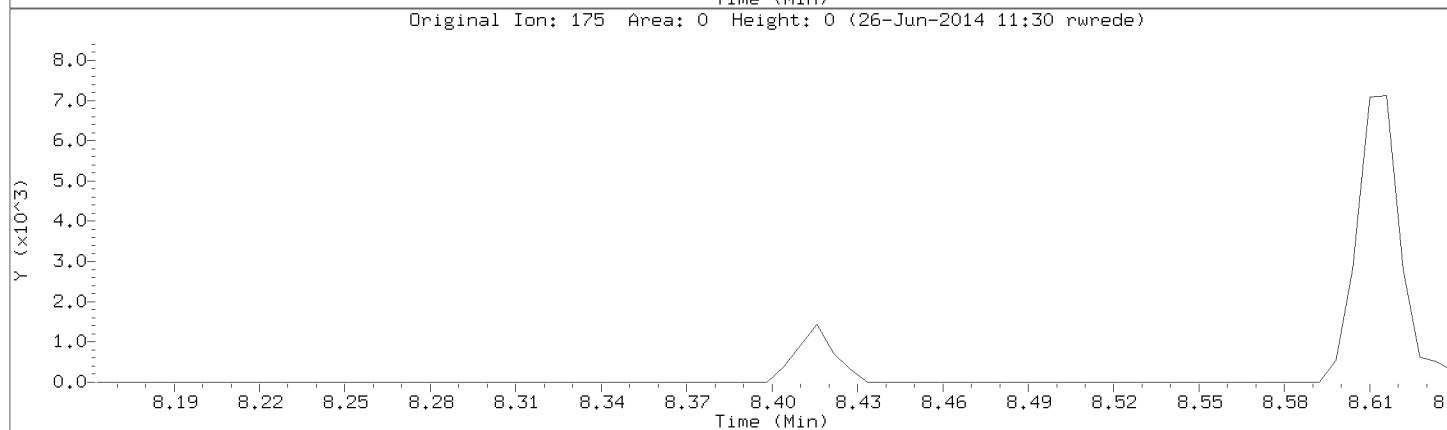
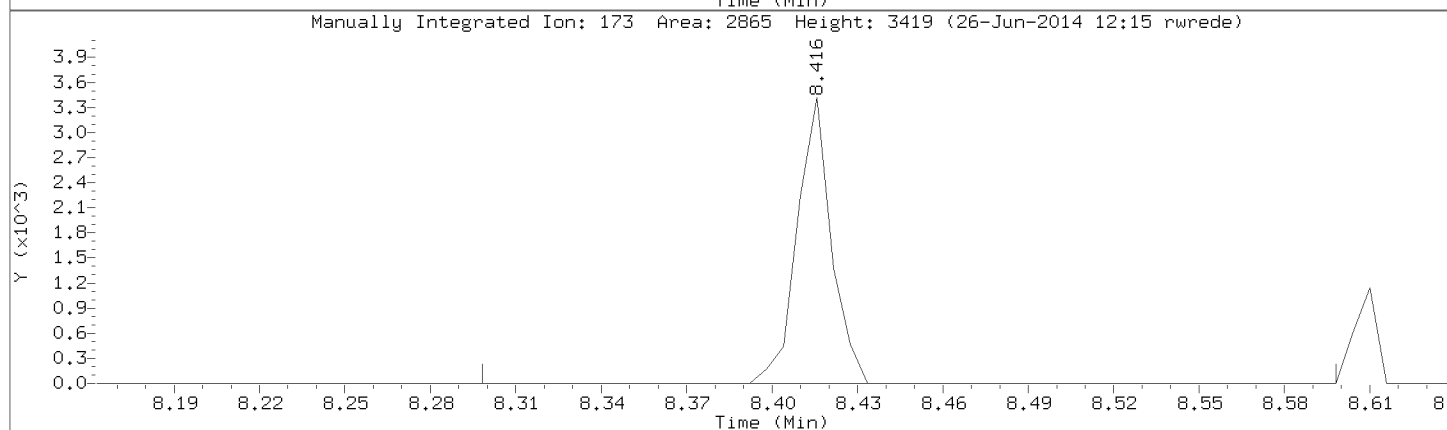
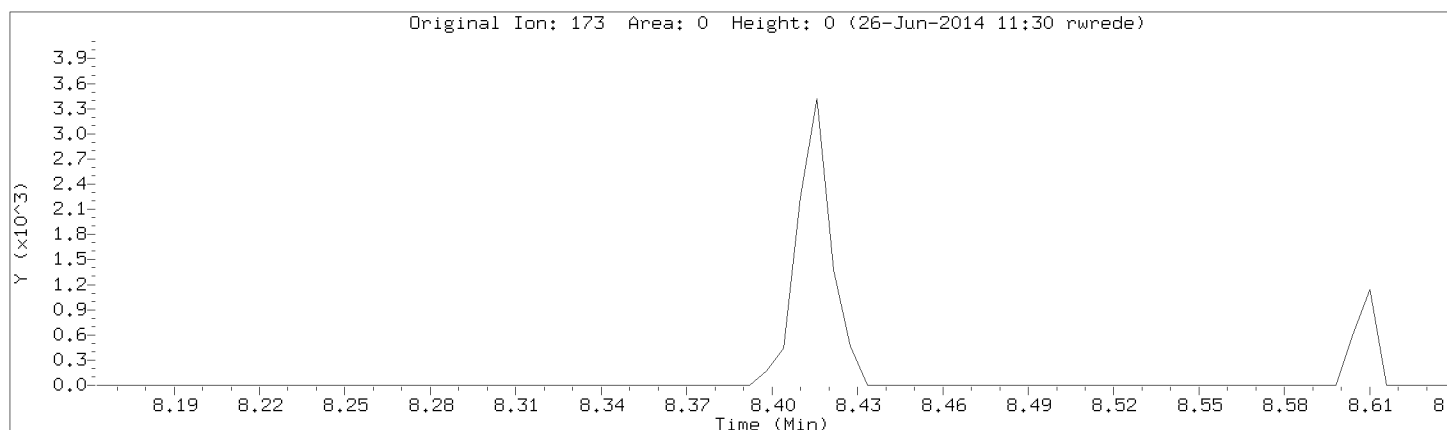
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Instrument: 50mv4b.i

Lab Sample ID: 8260-CAL3

Compound: Bromoform

CAS Number: 75-25-2

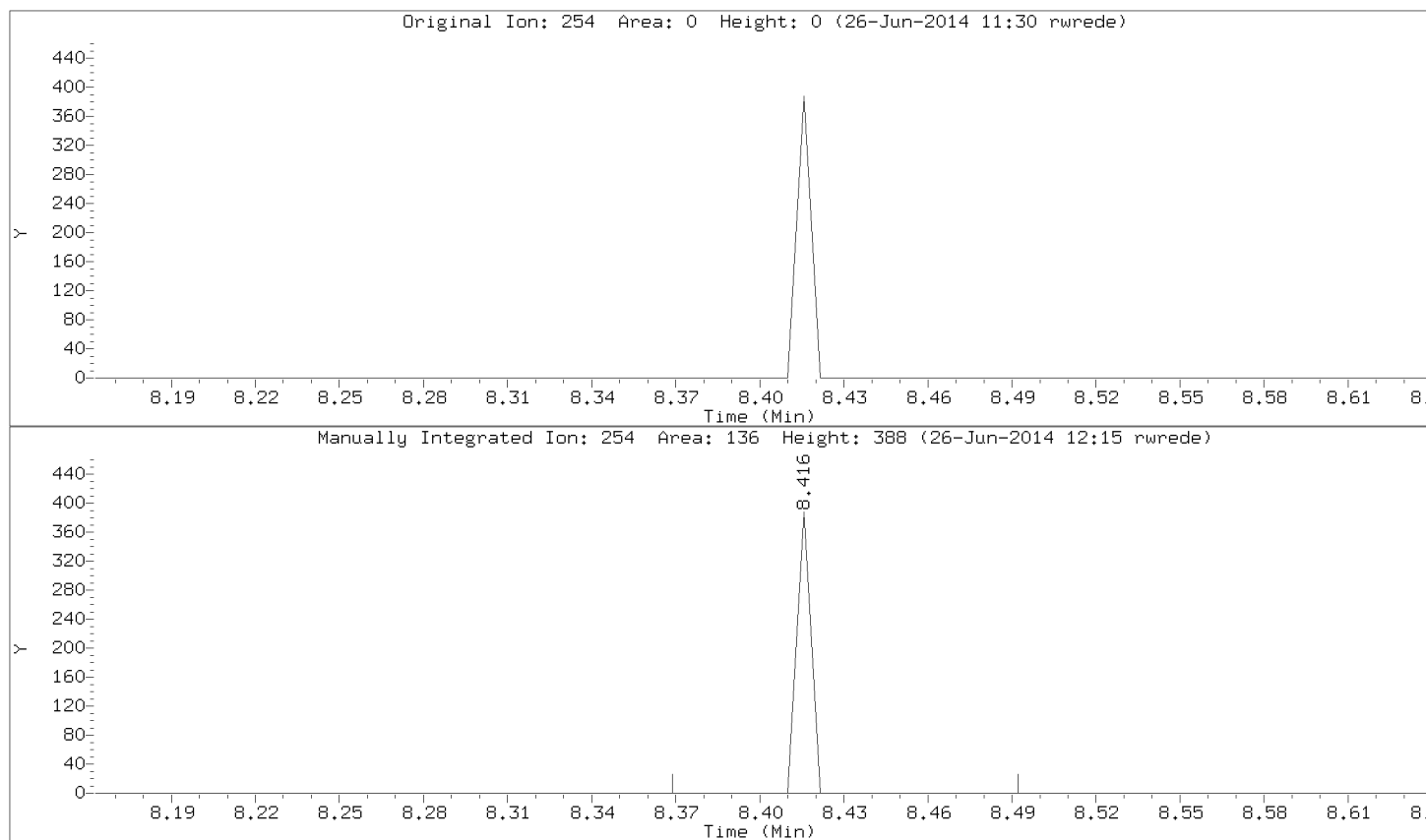


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Injection Date: 25-JUN-2014 17:16

Instrument: 50mv4b.i

Lab Sample ID: 8260-CAL3



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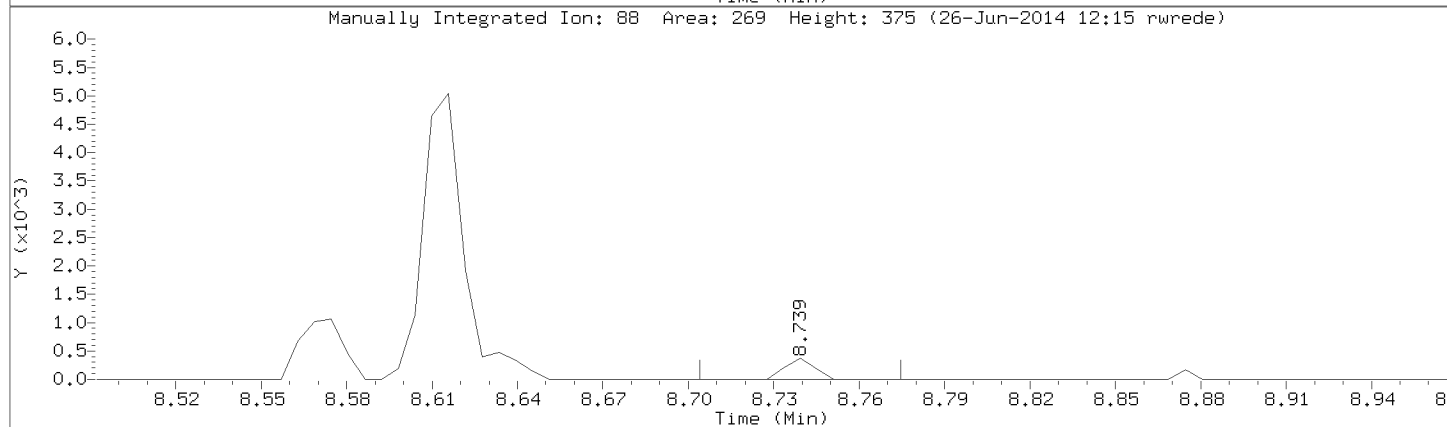
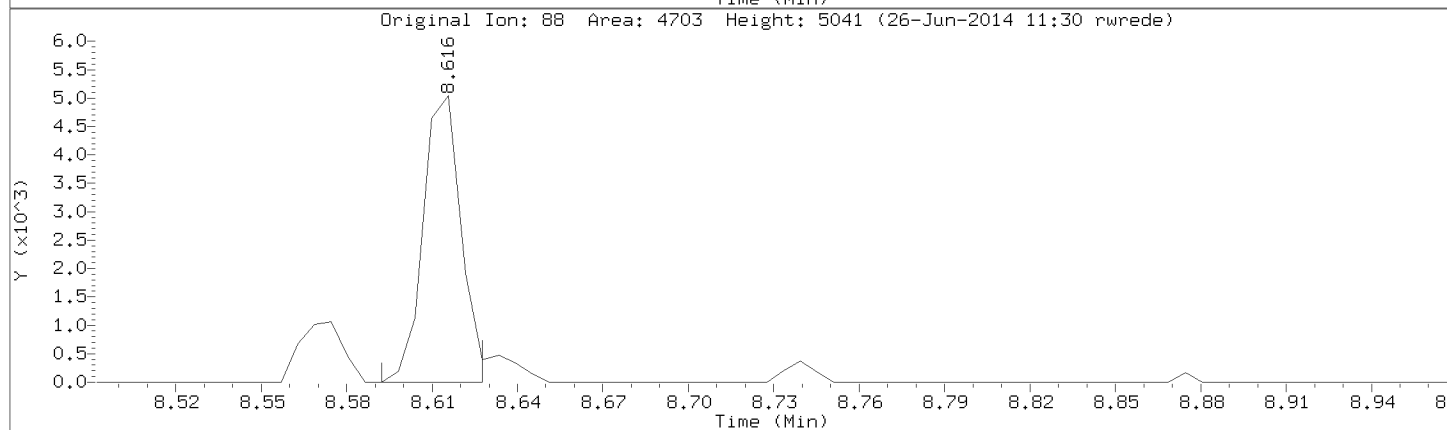
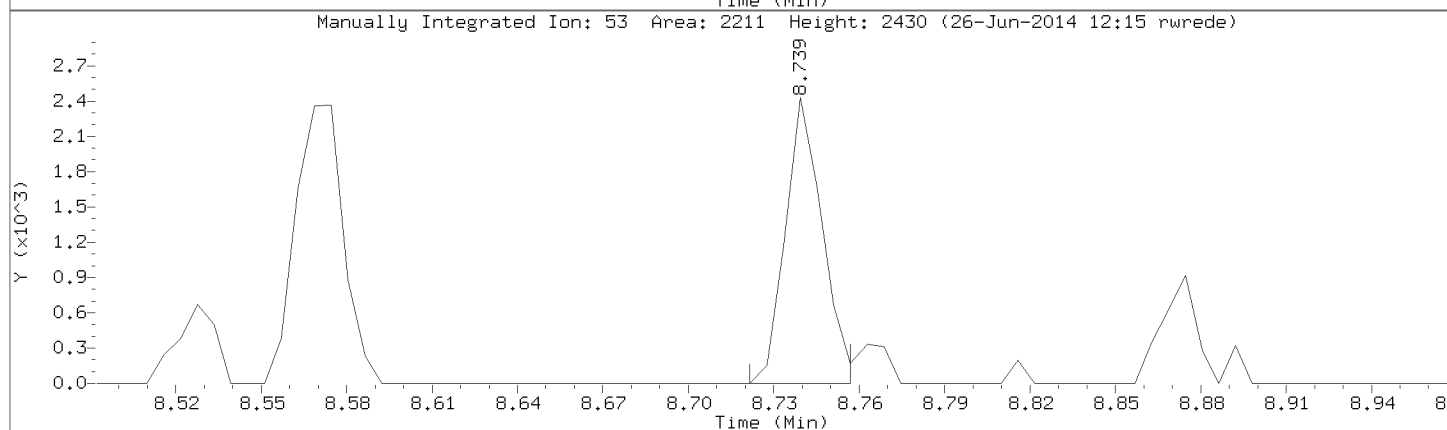
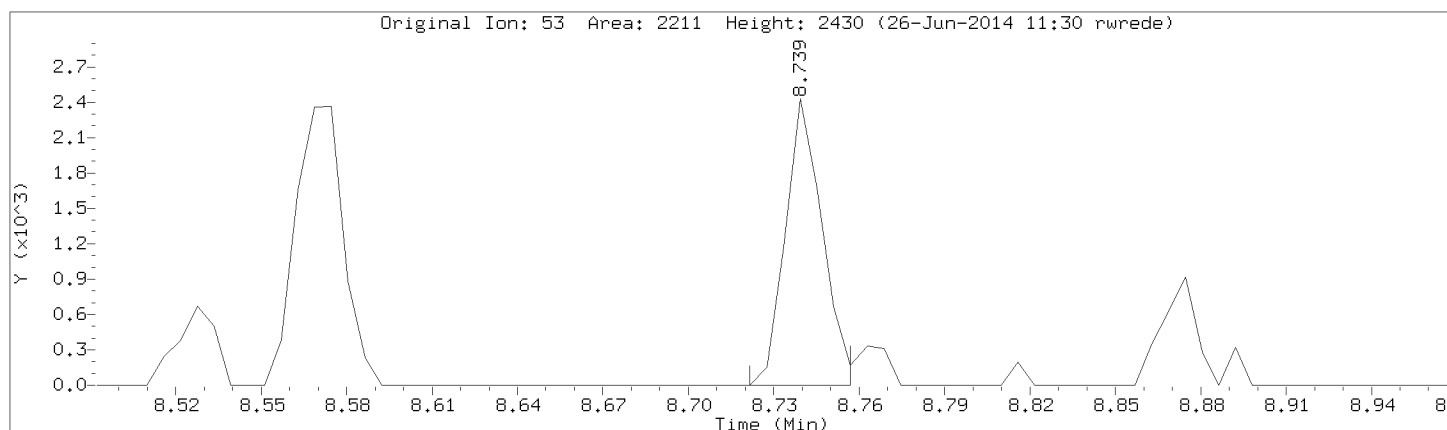
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Instrument: 50mv4b.i

Lab Sample ID: 8260-CAL3

Compound: trans-1,4-Dichloro-2-butene

CAS Number:

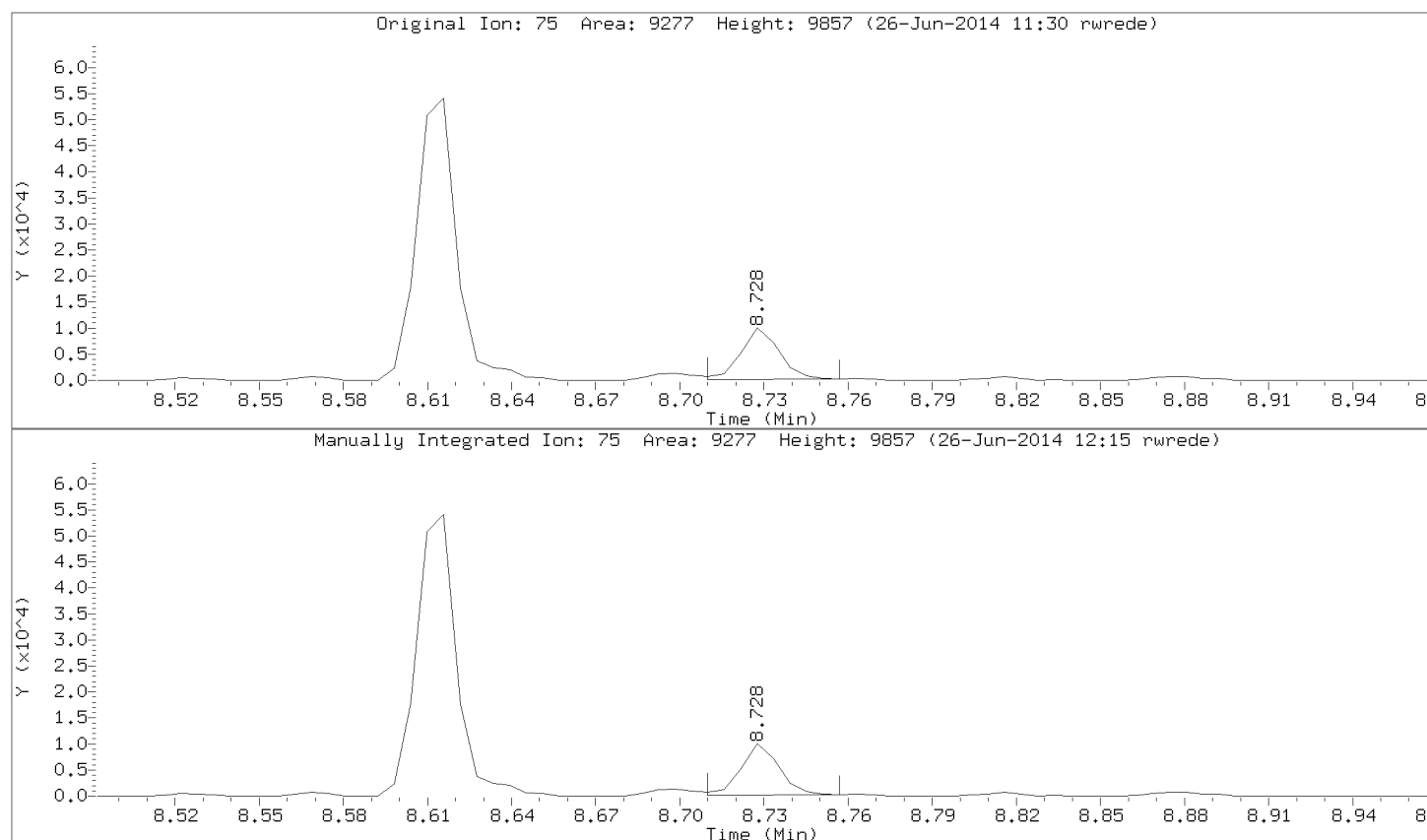


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Instrument: 50mv4b.i

Lab Sample ID: 8260-CAL3



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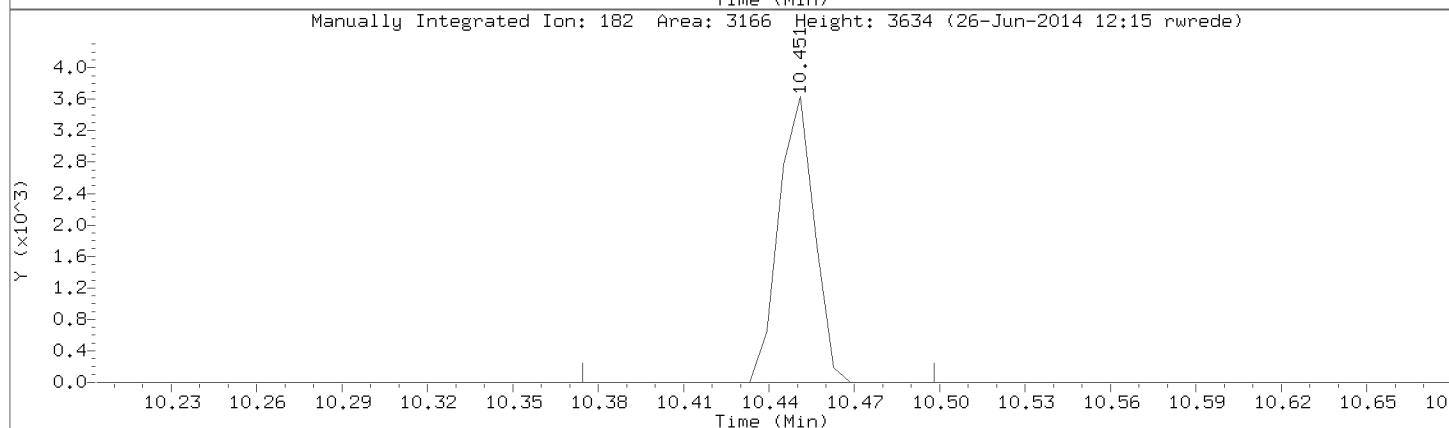
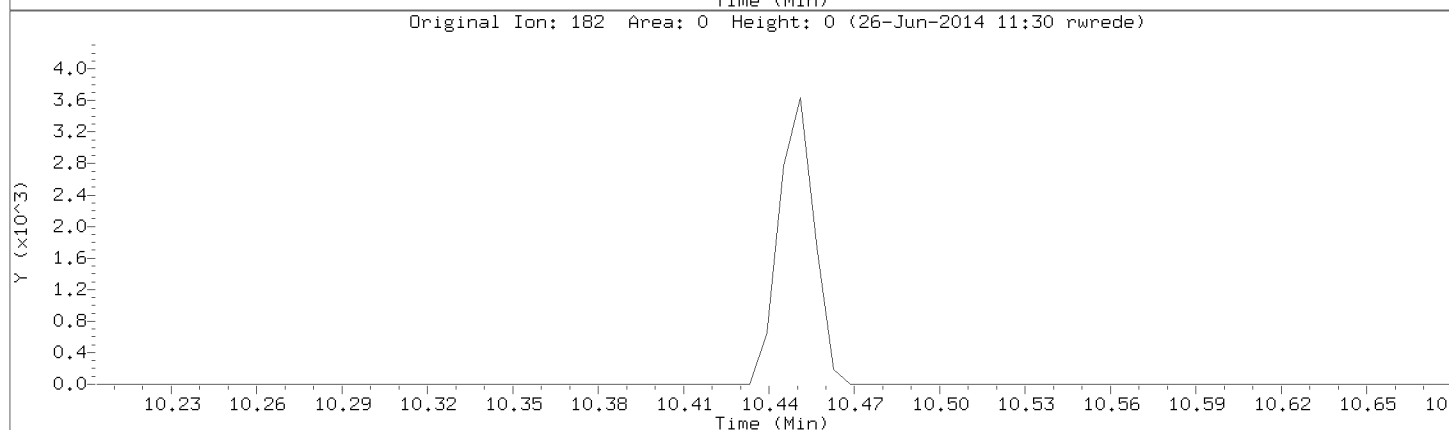
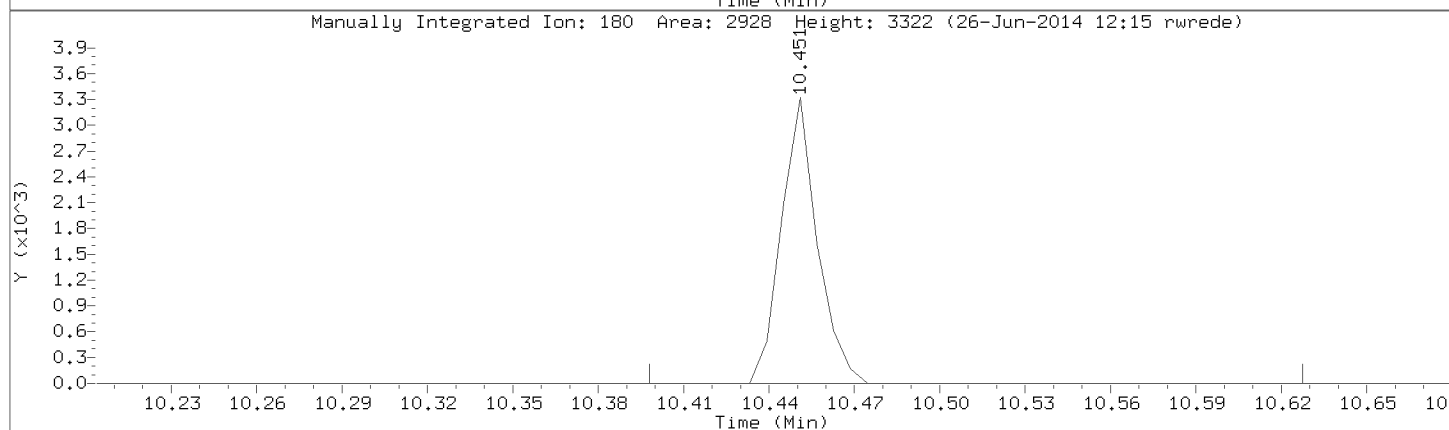
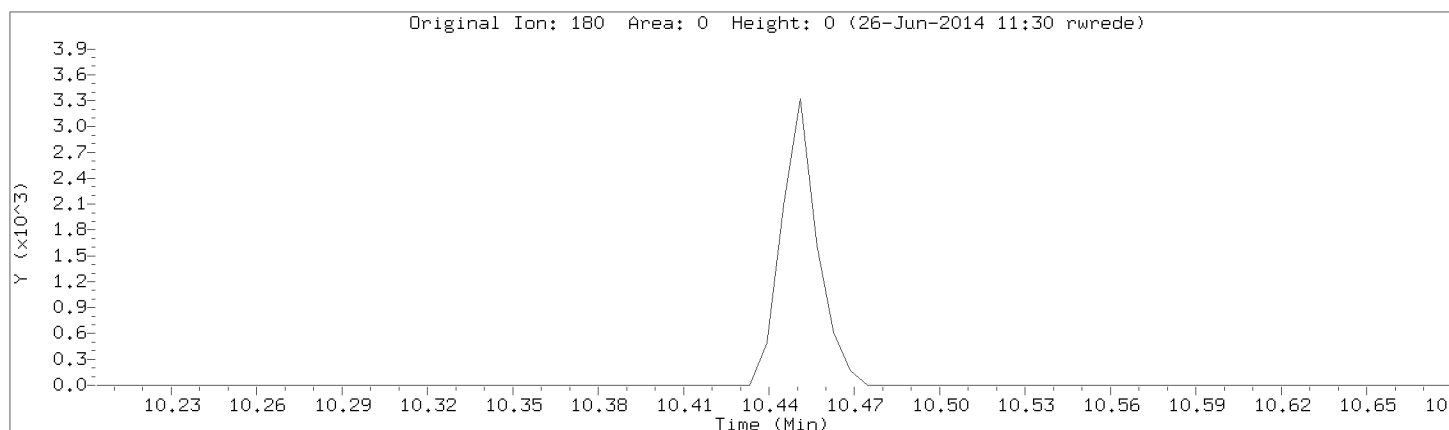
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Instrument: 50mv4b.i

Lab Sample ID: 8260-CAL3

Compound: 1,2,4-Trichlorobenzene

CAS Number: 120-82-1

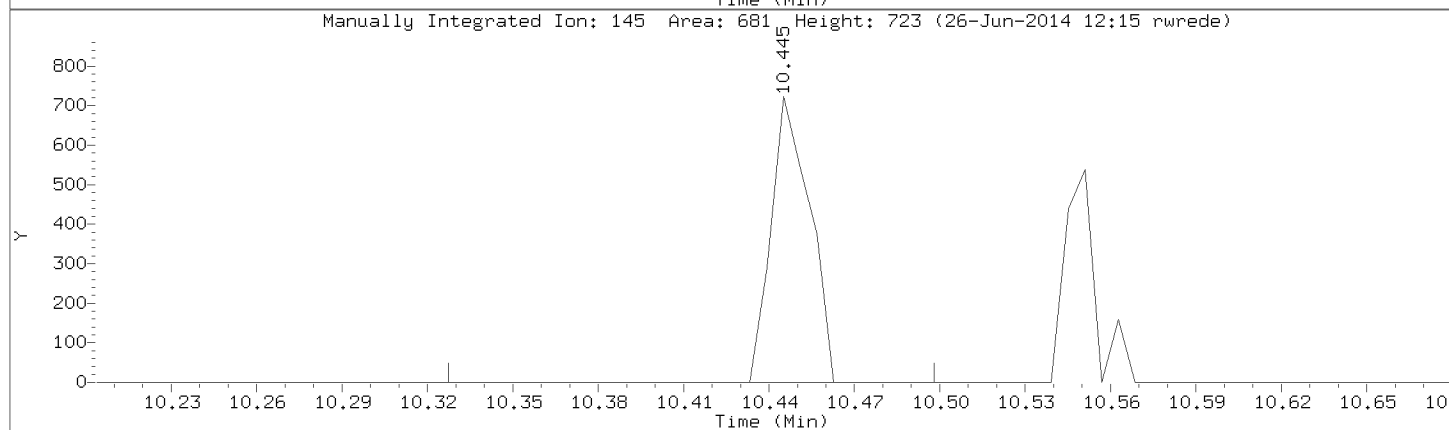
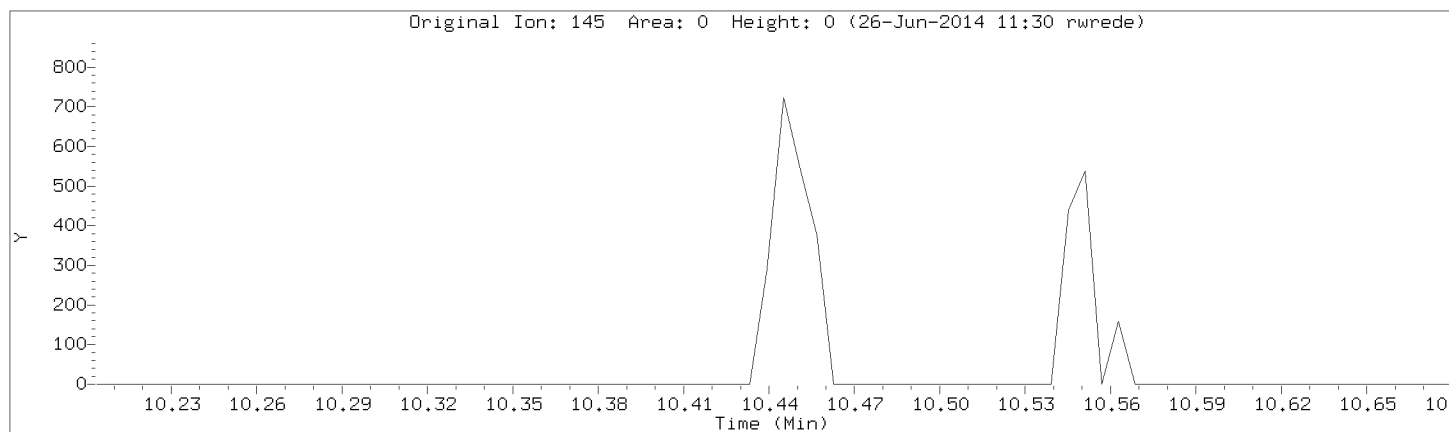


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Injection Date: 25-JUN-2014 17:16

Instrument: 50mv4b.i

Lab Sample ID: 8260-CAL3



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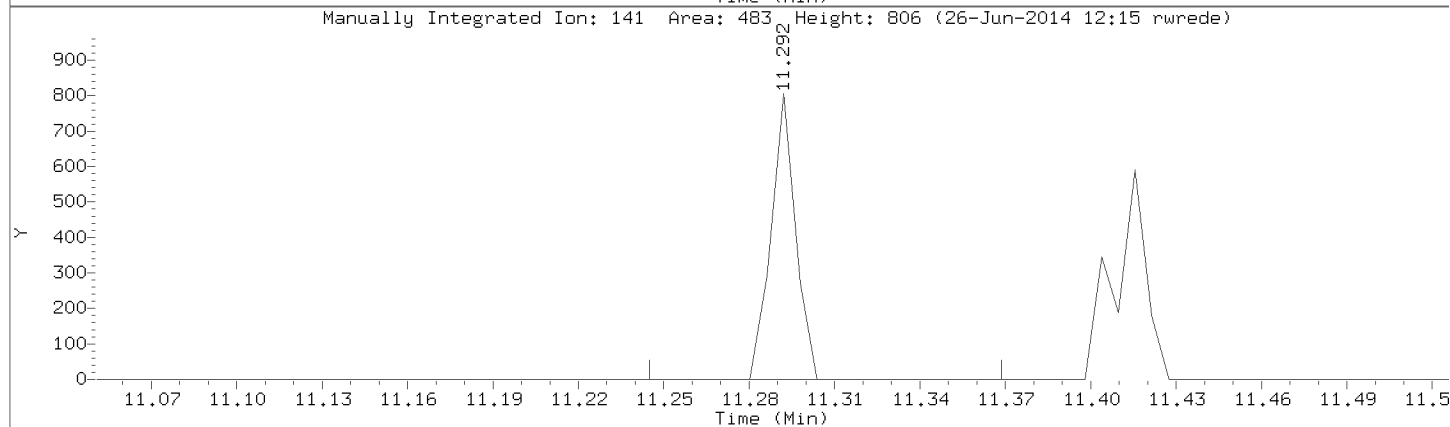
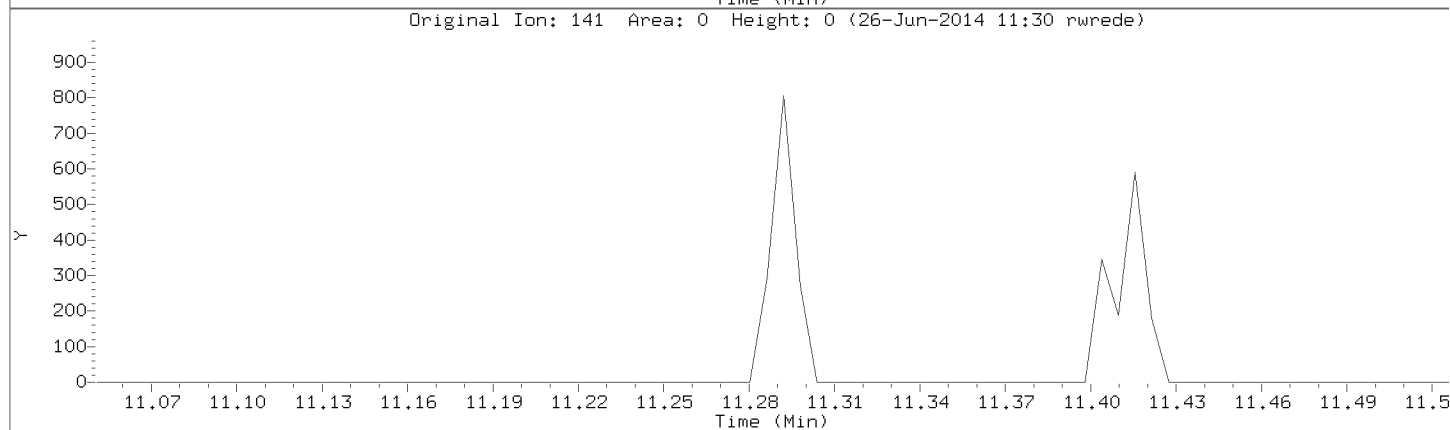
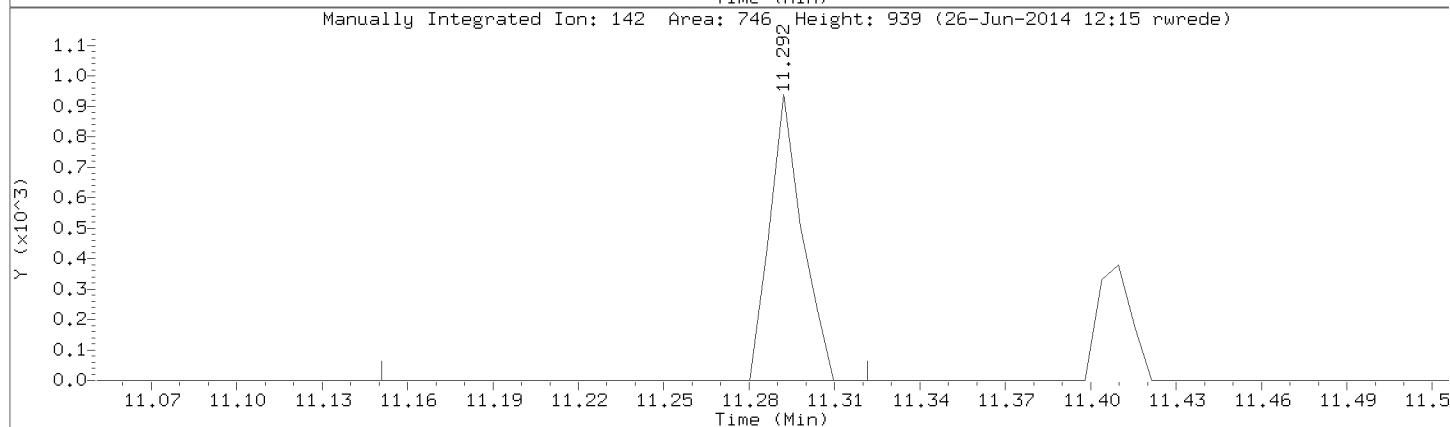
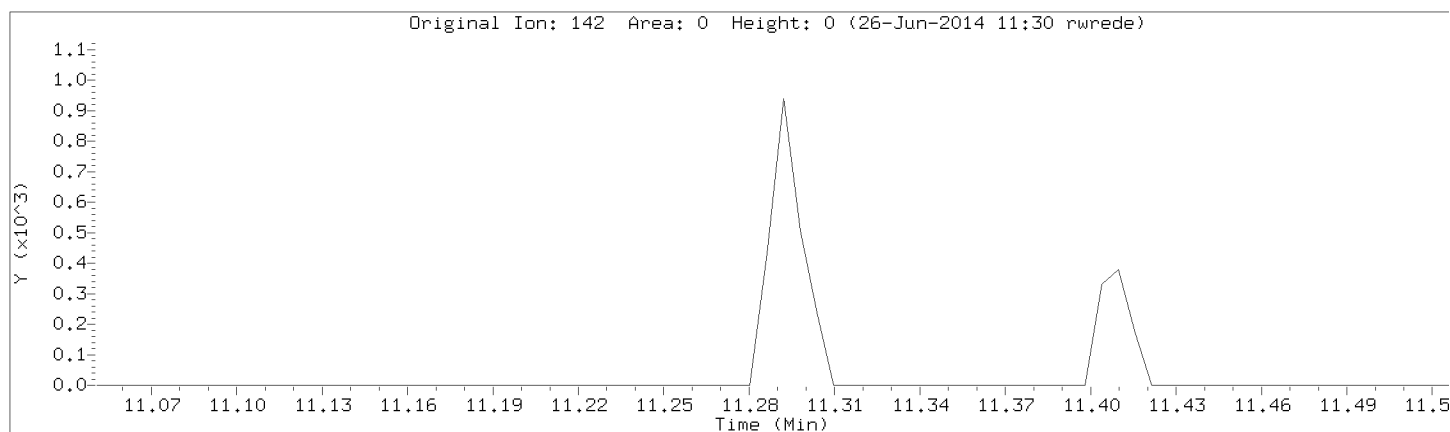
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Instrument: 50mv4b.i

Lab Sample ID: 8260-CAL3

Compound: 2,methyl-naphthalene

CAS Number:

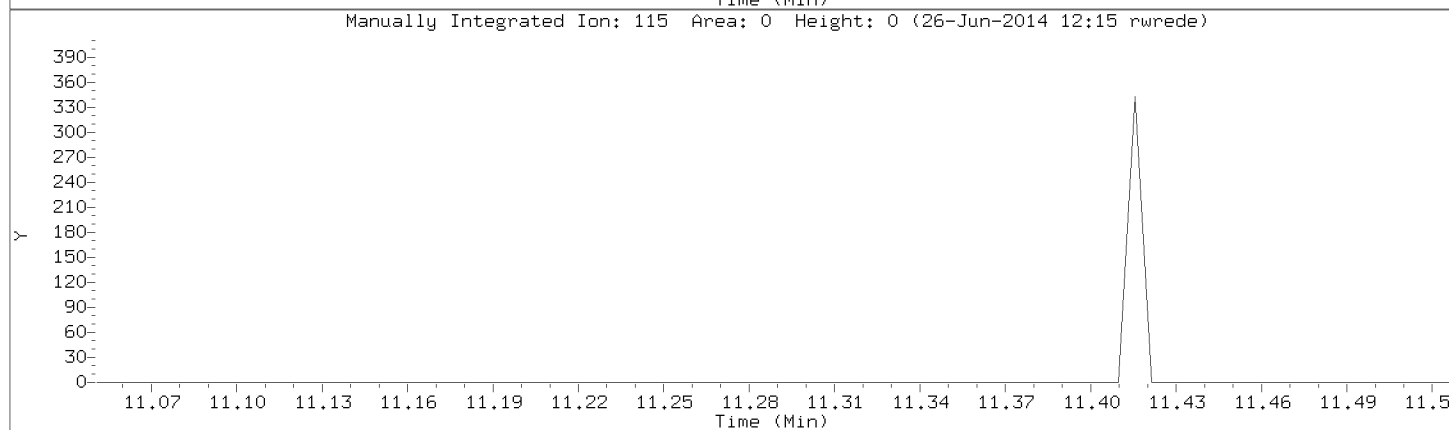
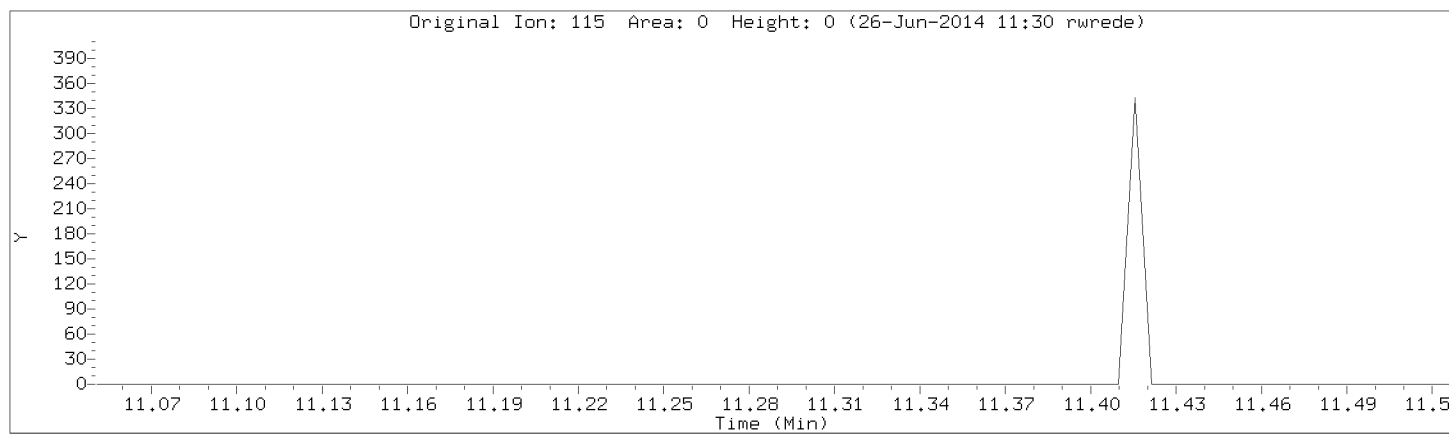


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Instrument: 50mv4b.i

Lab Sample ID: 8260-CAL3



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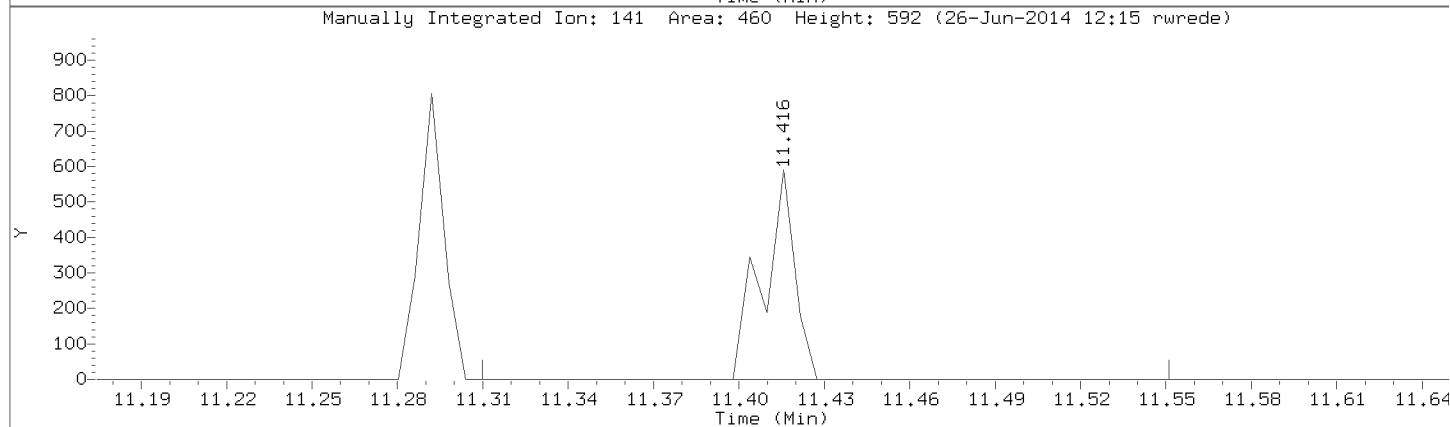
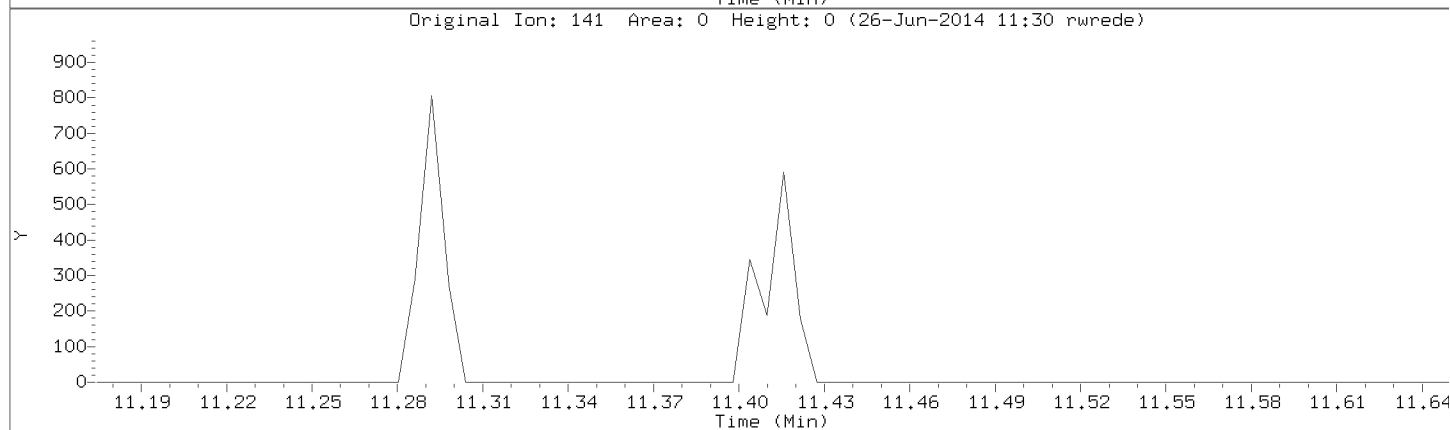
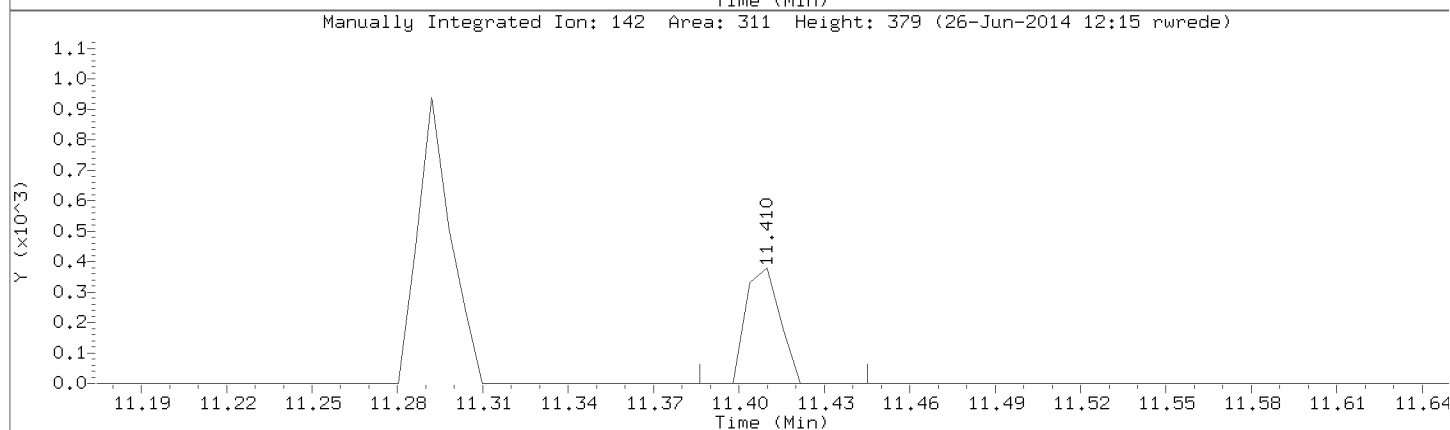
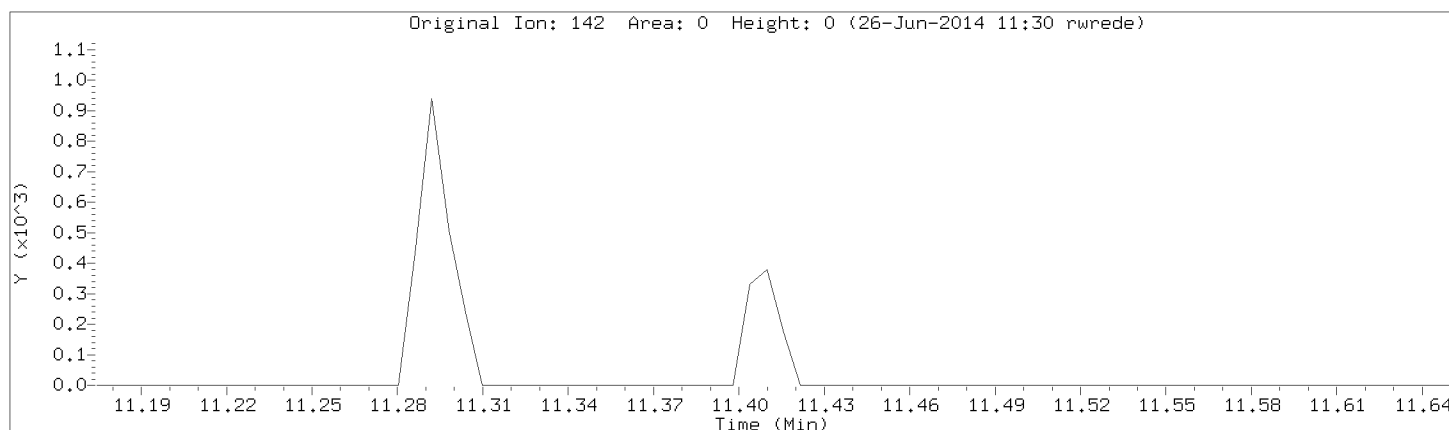
Injection Date: 25-JUN-2014 17:16

Instrument: 50mv4b.i

Lab Sample ID: 8260-CAL3

Compound: 1-Methylnaphthalene

CAS Number: 90-12-0

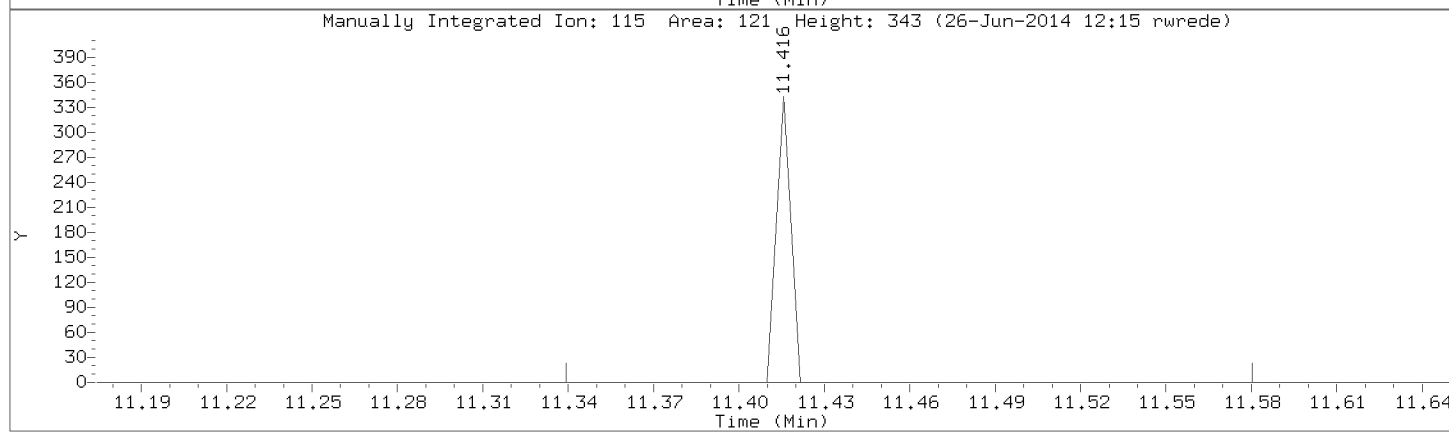
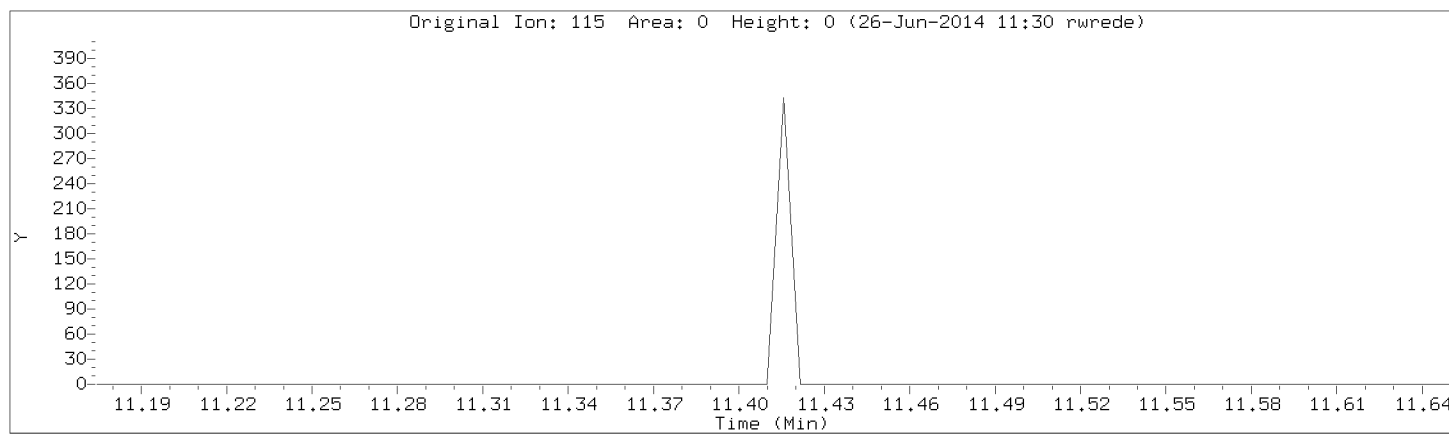


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Injection Date: 25-JUN-2014 17:16

Instrument: 50mv4b.i

Lab Sample ID: 8260-CAL3



Pace Analytical Services, Inc.

Data file : \\192.168.50.6\chem\50mv4b.i\b062514cal.b\b05.d
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 Inj Date : 25-JUN-2014 17:49
 Operator : rsw Inst ID: 50mv4b.i
 Smp Info : 8260-cal4,71413:0
 Misc Info : 66151
 Comment :
 Method : \\192.168.50.6\chem\50mv4b.i\b062514cal.b\ -b8260_a_b.m
 Meth Date : 26-Jun-2014 12:22 rwrede Quant Type: ISTD
 Cal Date : 23-JUN-2014 22:07 Cal File: d01cal6.d
 Als bottle: 12 Calibration Sample, Level: 4
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: all.sub
 Target Version: 4.14

Concentration Formula: Amt * DF * Uf/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT	SIG	AMOUNTS					REVIEW C	
			MASS	RT	EXP RT	REL RT	RESPONSE		CAL-AMT (ppb)
1 Dichlorodifluoromethane	85		1.057	1.057	(0.205)	46170	5.00000	5.11	
2 Chloromethane	50		1.175	1.192	(0.227)	73859	5.00000	4.83	
3 Vinyl Chloride	62		1.222	1.227	(0.236)	52265	5.00000	4.94	
4 Bromomethane	94		1.416	1.422	(0.274)	18116	5.00000	5.77	
5 Chloroethane	64		1.481	1.480	(0.287)	29645	5.00000	4.76	
6 Trichlorofluoromethane	101		1.639	1.639	(0.317)	56185	5.00000	5.13	
7 Diethyl ether	74		1.833	1.833	(0.355)	16032	5.00000	4.87	
8 1,2-dichlorotrifluoroethane	67		1.839	1.839	(0.356)	42541	5.00000	5.28	
9 Acrolein	56		1.922	1.922	(0.372)	169753	100.000	104	
10 1,1,2trichlorotrifluoroethane	101		1.992	1.992	(0.386)	33807	5.00000	5.39	
11 1,1-Dichloroethene	96		1.986	1.986	(0.384)	30039	5.00000	5.14	
12 Acetone	43		2.033	2.045	(0.393)	69984	25.0000	25.9	
13 Iodomethane	142		2.098	2.098	(0.406)	17564	10.0000	8.52	
14 Carbon Disulfide	76		2.145	2.145	(0.415)	148860	10.0000	9.76	
15 Acetonitrile	39		2.269	2.269	(0.439)	92187	5.00000	5.10	
16 allyl chloride	41		2.269	2.269	(0.439)	147146	10.0000	10.3	
17 Methyl Acetate	43		2.292	2.298	(0.444)	38992	5.00000	4.98	
18 Methylene Chloride	84		2.363	2.369	(0.457)	47701	5.00000	5.51	
19 tert-Butyl Alcohol	59		2.504	2.527	(0.484)	4131	10.0000	7.56	
20 Acrylonitrile	53		2.592	2.604	(0.502)	376523	100.000	110	
21 1,2-Dichloroethene (trans)	96		2.610	2.616	(0.505)	31323	5.00000	5.14	
22 Methyl-tert-butyl ether	73		2.622	2.627	(0.507)	119691	10.0000	9.97	
23 n-Hexane	57		2.880	2.886	(0.557)	67225	5.00000	5.11	

Compounds	QUANT MASS	SIG	AMOUNTS					ON-COL (ppb)	REVIEW C
			RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ppb)		
24 1,1-Dichloroethane	63		3.033	3.039	(0.587)	65502	5.00000	4.93	
25 Vinyl Acetate	43		3.122	3.127	(0.604)	389473	20.00000	20.3	
26 chloroprene	53		3.133	3.139	(0.606)	65341	5.00000	5.00	
27 2,2-Dichloropropane	77		3.733	3.739	(0.722)	17469	5.00000	6.93 (M)	LT
28 1,2-Dichloroethene (cis)	96		3.751	3.757	(0.726)	37997	5.00000	5.25	
29 2-Butanone	43		3.810	3.821	(0.737)	96415	25.00000	23.7	
30 Propionitrile	54		3.892	3.904	(0.753)	6060	5.00000	5.50 (Q)	
31 Bromochloromethane	49		4.069	4.074	(0.787)	44940	5.00000	5.02	
32 Methacrylonitrile	41		4.098	4.098	(0.793)	26463	5.00000	4.31	
33 Tetrahydrofuran	42		4.145	4.151	(0.802)	14791	5.00000	4.55	
34 Chloroform	83		4.204	4.210	(0.813)	56022	5.00000	5.08	
35 1,1,1-Trichloroethane	97		4.392	4.398	(0.850)	34873	5.00000	4.40	
\$ 36 Dibromofluoromethane (S)	113		4.404	4.410	(0.852)	101487	50.00000	50.0	
37 Cyclohexane	56		4.451	4.451	(0.861)	73619	5.00000	5.05	
38 Carbon Tetrachloride	117		4.592	4.592	(0.888)	29745	5.00000	4.74	
39 1,1-Dichloropropene	75		4.598	4.604	(0.890)	42377	5.00000	5.06	
40 Benzene	78		4.839	4.839	(0.936)	125919	5.00000	4.83	
41 1,2-Dichloroethane	62		4.874	4.880	(0.943)	49647	5.00000	4.74	
42 2,2,4-Trimethylpentane	57		4.957	4.963	(0.959)	113459	5.00000	5.02	
43 Isobutyl alcohol	43		4.963	4.957	(0.960)	23168	5.00000	4.86	
* 44 Fluorobenzene	96		5.168	5.168	(1.000)	398664	50.00000		
45 Trichloroethene	95		5.563	5.563	(1.076)	33019	5.00000	5.16	
46 Methylcyclohexane	55		5.739	5.739	(1.110)	55336	5.00000	5.00	
47 1,2-Dichloropropane	63		5.786	5.792	(1.119)	37223	5.00000	4.88	
48 Dibromomethane	93		5.904	5.904	(1.142)	18866	5.00000	5.05	
49 1,4-Dioxane	88		5.963	6.015	(1.154)	5508	100.00000	61.2	
50 Methyl methacrylate	69		5.968	5.974	(1.155)	15492	5.00000	4.93 (Q)	
51 Bromodichloromethane	83		6.086	6.086	(1.178)	29246	5.00000	4.35	
52 2-Chloroethyl vinyl ether	63		6.415	6.415	(0.815)	33033	10.00000	9.94	
53 cis-1,3-Dichloropropene	75		6.527	6.527	(0.829)	28606	5.00000	5.39	
54 4-Methyl-2-Pentanone	43		6.698	6.704	(0.851)	203579	25.00000	25.8	
\$ 55 Toluene-d8	98		6.763	6.768	(0.859)	404372	50.00000	50.0	
56 Toluene	91		6.827	6.827	(0.867)	140908	5.00000	4.91	
57 trans-1,3-Dichloropropene	75		7.051	7.051	(0.895)	18173	5.00000	6.00	
58 Ethyl Methacrylate	69		7.157	7.157	(0.909)	24140	5.00000	4.66	
59 1,1,2-Trichloroethane	83		7.192	7.192	(0.913)	22135	5.00000	4.60	
60 Tetrachloroethene	166		7.280	7.280	(0.925)	38415	5.00000	5.02	
61 1,3-Dichloropropane	76		7.315	7.315	(0.929)	45201	5.00000	4.69	
62 2-Hexanone	43		7.410	7.409	(0.941)	127718	25.00000	24.7	
63 Dibromochloromethane	129		7.480	7.480	(0.950)	19834	5.00000	5.60	
64 1,2-Dibromoethane	107		7.551	7.551	(0.959)	27327	5.00000	4.85	
* 65 Chlorobenzene-d5	117		7.874	7.874	(1.000)	320926	50.00000		
66 Chlorobenzene	112		7.892	7.892	(1.002)	96172	5.00000	4.80	
67 1,1,1,2-Tetrachloroethane	131		7.951	7.951	(1.010)	24785	5.00000	5.20	
68 Ethylbenzene	106		7.974	7.974	(1.013)	46346	5.00000	4.79	
69 m&p-Xylene	106		8.051	8.051	(1.022)	113378	10.00000	10.2	
70 o-Xylene	106		8.298	8.298	(1.054)	49904	5.00000	4.75	
71 Styrene	104		8.309	8.309	(1.055)	68381	5.00000	4.24	
72 Bromoform	173		8.415	8.415	(0.906)	10095	5.00000	6.17 (M)	NI
73 Isopropylbenzene	105		8.527	8.527	(1.083)	120217	5.00000	3.78	
\$ 74 4-Bromofluorobenzene	95		8.615	8.615	(1.094)	134299	50.00000	50.0	
75 Bromobenzene	77		8.698	8.698	(1.105)	48107	5.00000	4.78	
76 1,1,2,2-Tetrachloroethane	83		8.709	8.709	(0.938)	36467	5.00000	5.38	
77 1,2,3-Trichloropropane	110		8.727	8.733	(0.940)	11435	5.00000	5.50	

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS		REVIEW C
						CAL-AMT (ppb)	ON-COL (ppb)	
78 trans-1,4-Dichloro-2-butene	53	8.739	8.745	(1.110)	7255	5.00000	5.19	
79 n-Propylbenzene	91	8.768	8.768	(0.944)	113058	5.00000	5.00	
80 2-Chlorotoluene	91	8.815	8.815	(0.949)	86601	5.00000	5.22	
81 1,3,5-Trimethylbenzene	105	8.874	8.874	(0.956)	71445	5.00000	4.86	
82 4-Chlorotoluene	126	8.880	8.880	(0.956)	29301	5.00000	5.15 (Q)	
83 tert-Butylbenzene	119	9.062	9.062	(0.976)	80738	5.00000	4.83	
84 1,2,4-Trimethylbenzene	105	9.086	9.092	(0.978)	62816	5.00000	4.59	
85 sec-Butylbenzene	105	9.186	9.192	(0.989)	82575	5.00000	4.71	
86 1,3-Dichlorobenzene	146	9.251	9.251	(0.996)	48151	5.00000	4.80	
87 p-Isopropyltoluene	119	9.274	9.274	(0.999)	56449	5.00000	5.64	
* 88 1,4-Dichlorobenzene-d4	152	9.286	9.292	(1.000)	111929	50.00000		
89 1,4-Dichlorobenzene	146	9.304	9.303	(1.002)	47659	5.00000	4.66	
90 n-Butylbenzene	91	9.504	9.509	(1.023)	36079	5.00000	6.32	
91 1,2-Dichlorobenzene	146	9.515	9.521	(1.025)	45752	5.00000	4.85	
92 1,2-Dibromo-3-chloropropane	155	9.968	9.974	(1.073)	2401	5.00000	6.29 (Q)	
93 1,2,4-Trichlorobenzene	180	10.451	10.456	(1.125)	10217	5.00000	7.23	
94 Hexachlorobutadiene	225	10.550	10.557	(1.136)	8671	5.00000	4.49	
95 Naphthalene	128	10.598	10.610	(1.141)	29641	5.00000	6.92	
96 1,2,3-Trichlorobenzene	180	10.745	10.756	(1.157)	12088	5.00000	7.26	
97 2-methyl-naphthalene	142	11.292	11.303	(1.216)	1169	5.00000	3.85 (Q)	
98 1-Methylnaphthalene	142	11.409	11.427	(2.207)	2259	5.00000	1.98 (Q)	

QC Flag Legend

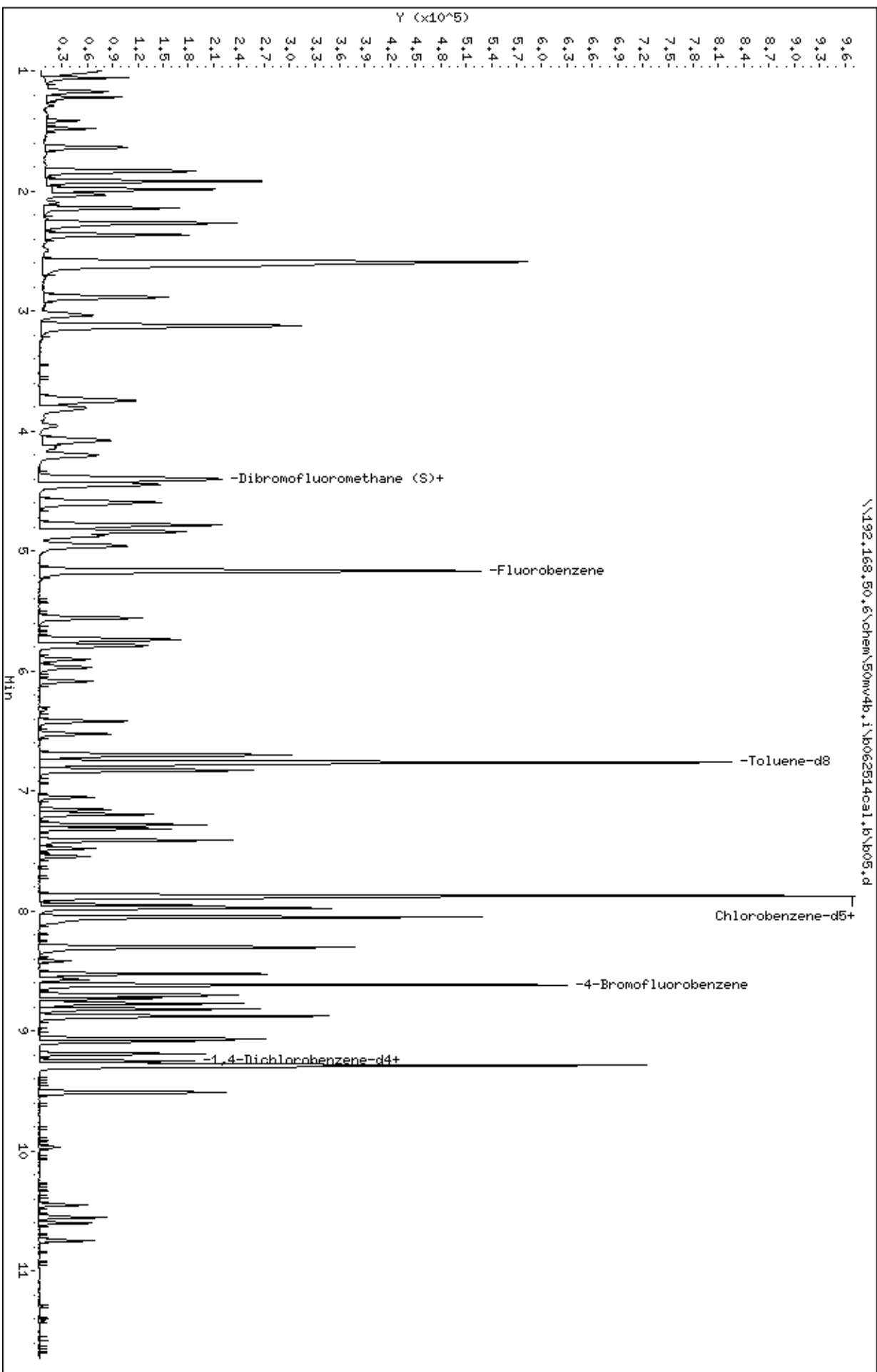
- Q - Qualifier signal failed the ratio test.
- M - Compound response manually integrated.

Review Codes Legend

- :
 LT: Indicates that the peak in question was inappropriately integrated to an area less than what it should be (e.g., Peak area was cut).
- NI: Indicates that the peak was not integrated at all by the computer software.

Data File: \\192.168.50.6\chem\50mw4b.i\p062514cal.b\k05.d
Date: 25-JUN-2014 17:49
Client ID: 8260-CAL4
Sample Info: 8260-CAL4,71413:0
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50mw4b.i
Operator: rsu
Column diameter: 0.18



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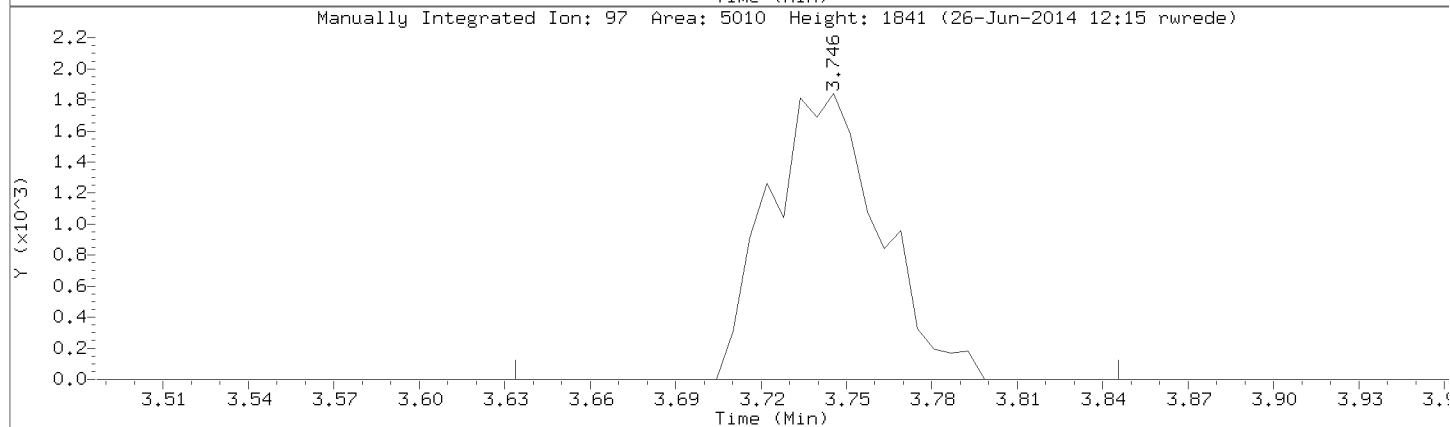
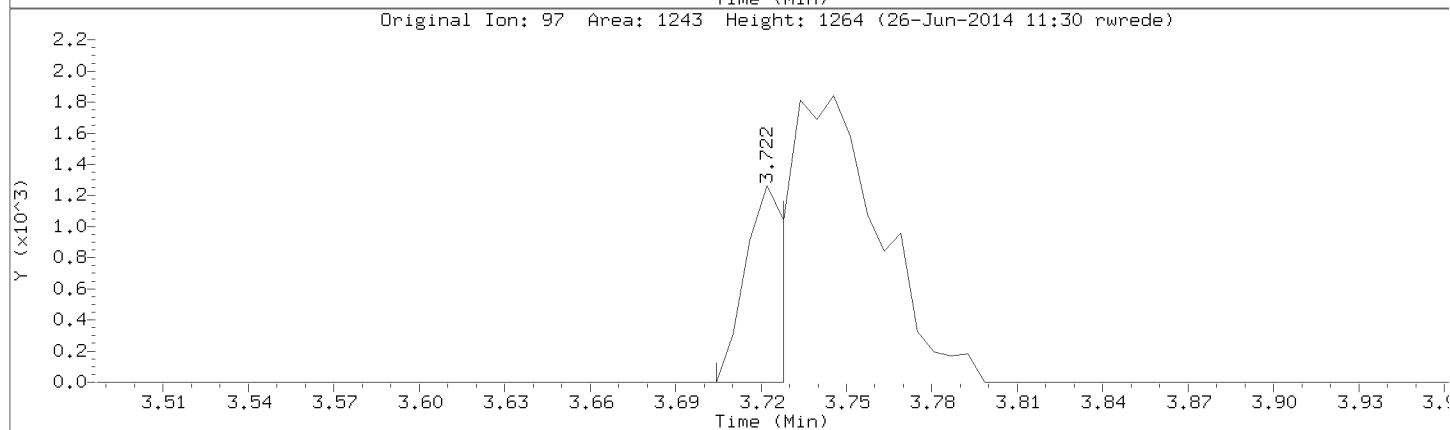
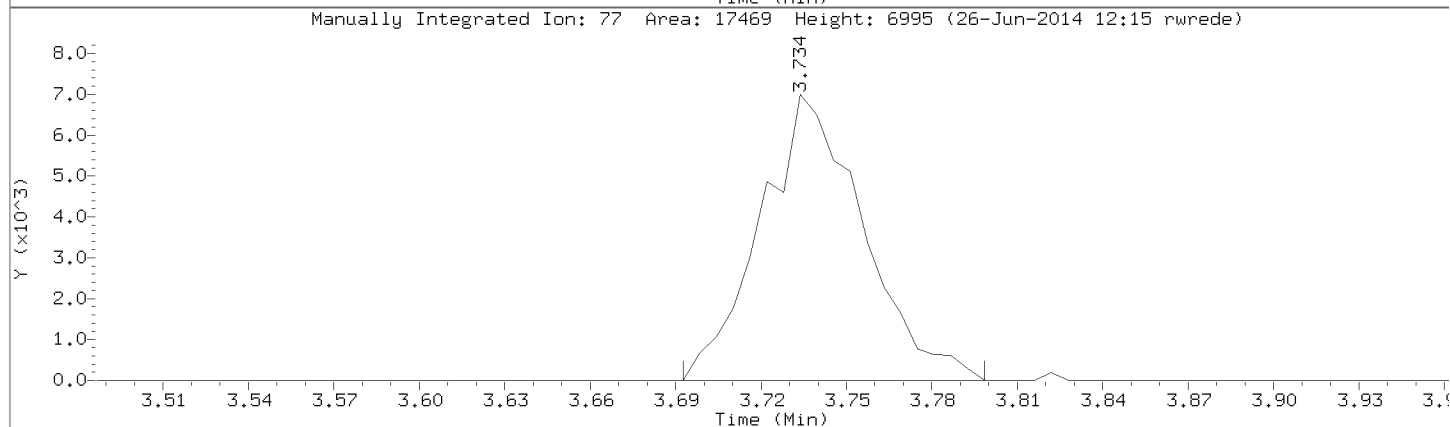
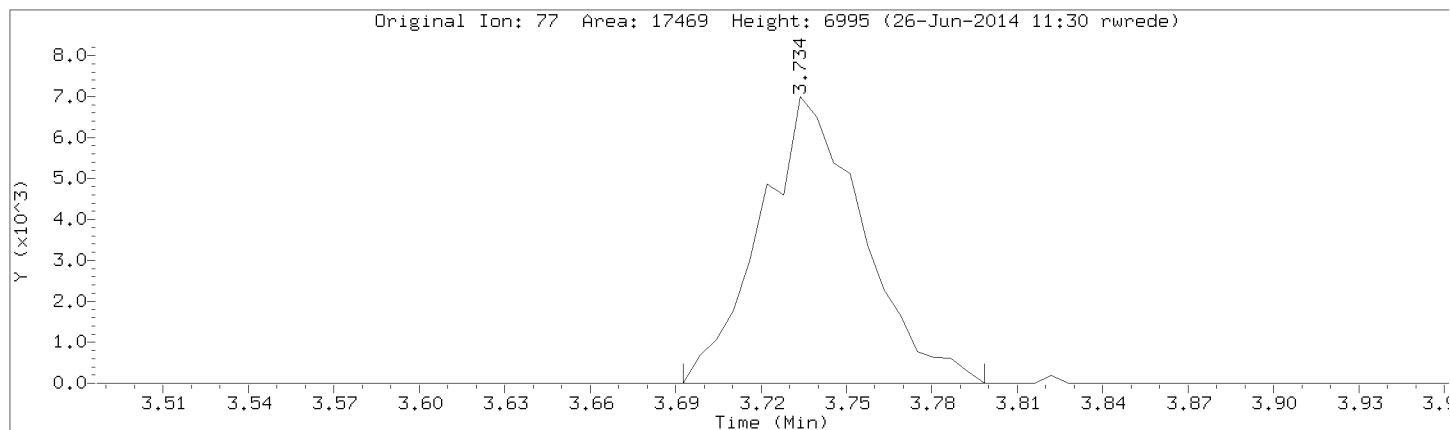
Injection Date: 25-JUN-2014 17:49

Instrument: 50mv4b.i

Lab Sample ID: 8260-CAL4

Compound: 2,2-Dichloropropane

CAS Number: 594-20-7



Data File: \\192.168.50.6\chem\50mv4b.i\b062514cal.b\b05.d

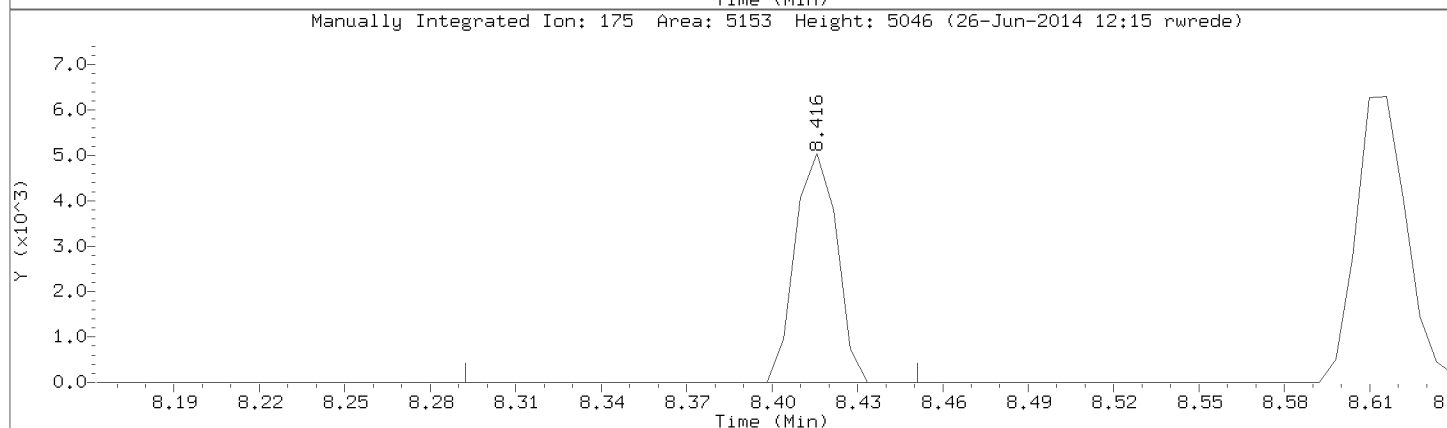
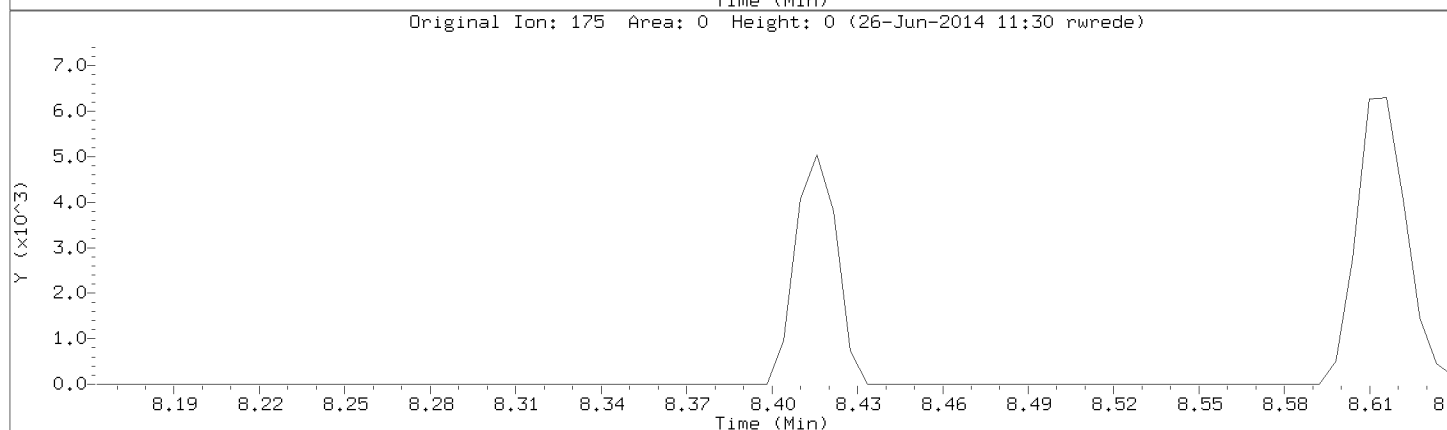
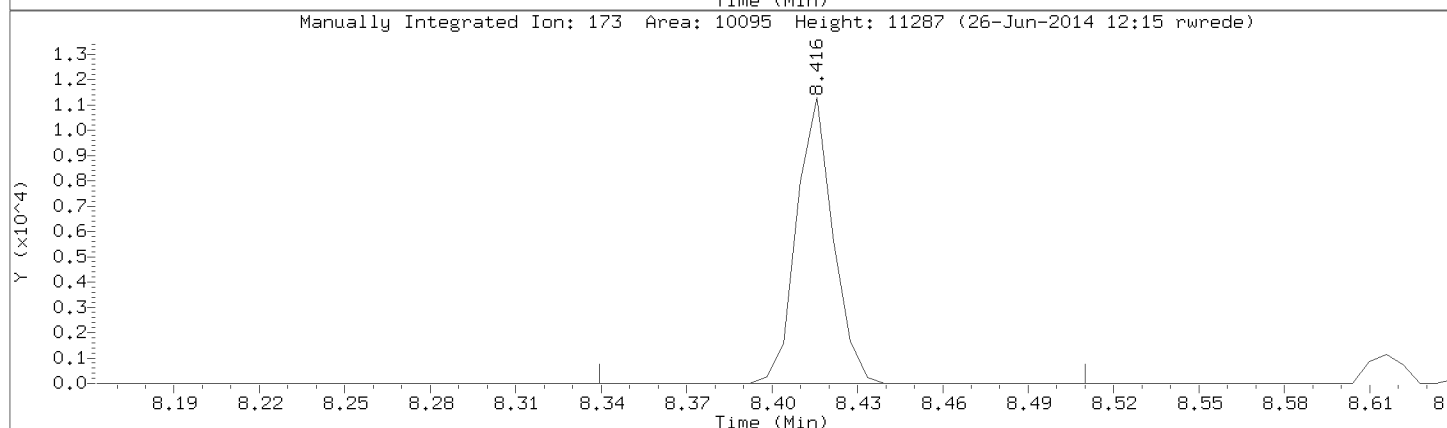
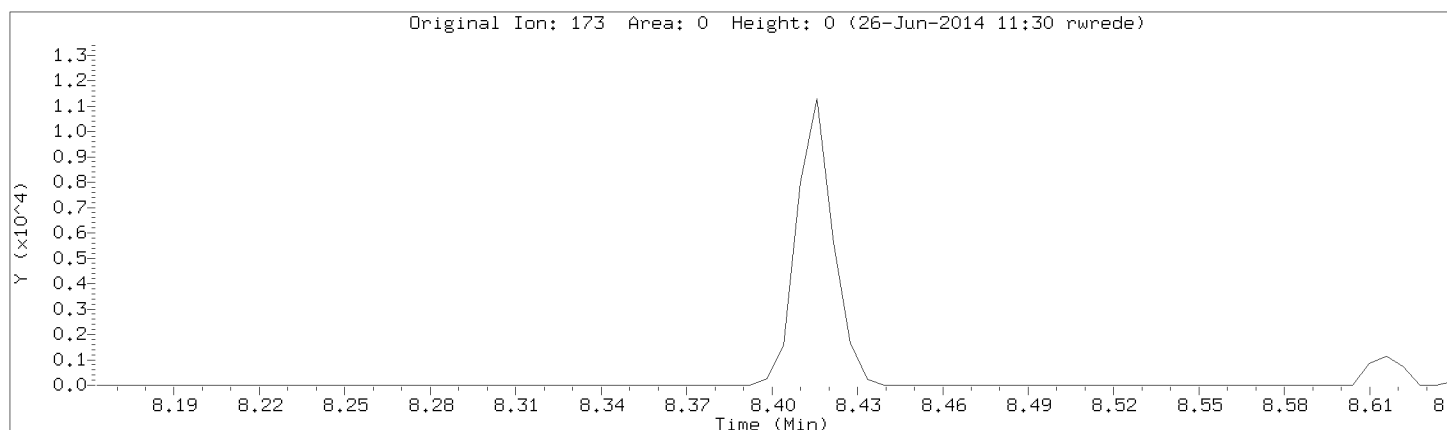
Injection Date: 25-JUN-2014 17:49

Instrument: 50mv4b.i

Lab Sample ID: 8260-CAL4

Compound: Bromoform

CAS Number: 75-25-2

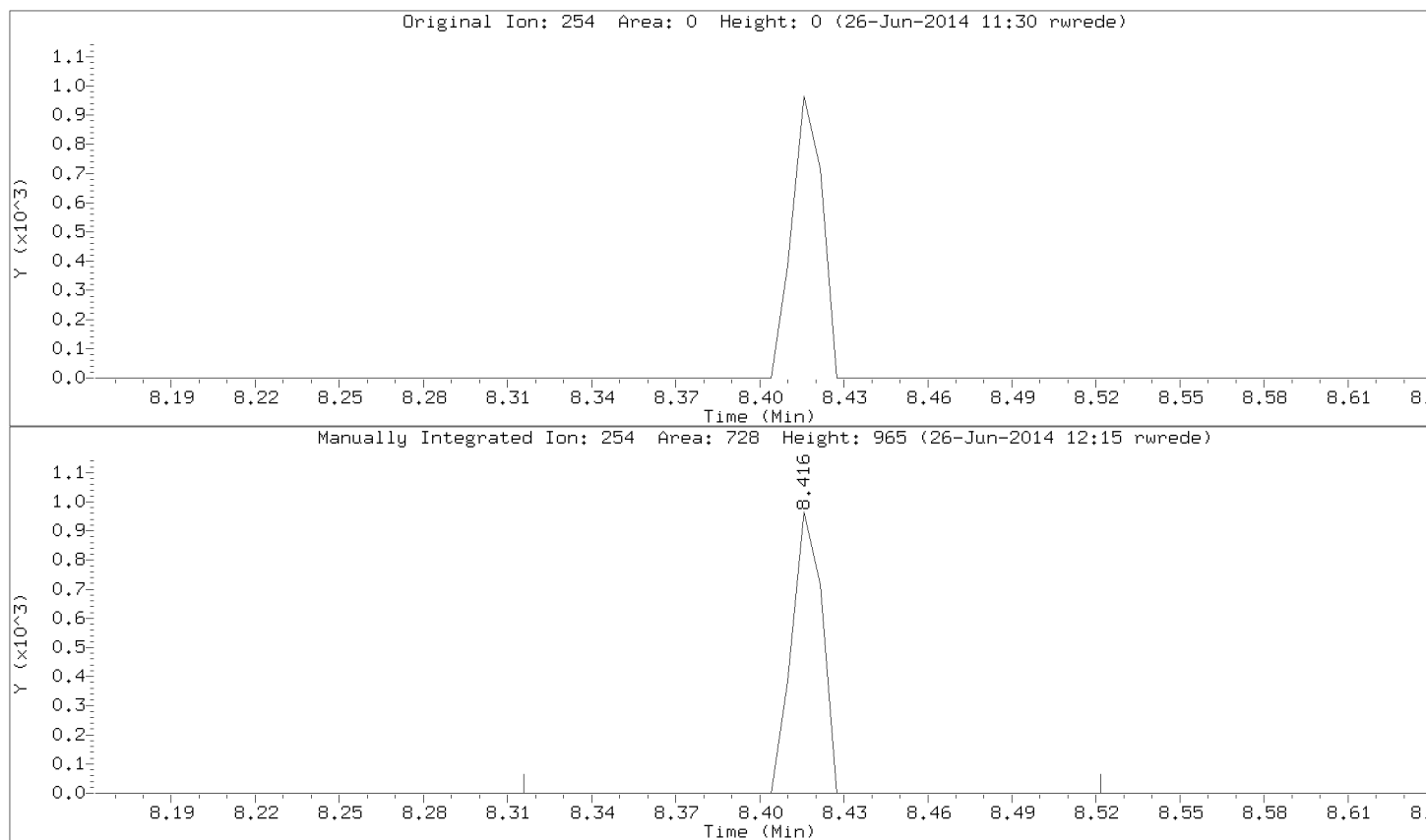


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Injection Date: 25-JUN-2014 17:49

Instrument: 50mv4b.i

Lab Sample ID: 8260-CAL4



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Data file : \\192.168.50.6\chem\50mv4b.i\b062514cal.b\b06.d
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 Inj Date : 25-JUN-2014 18:21
 Operator : rsw Inst ID: 50mv4b.i
 Smp Info : 8260-cal5,71414:0
 Misc Info : 66151
 Comment :
 Method : \\192.168.50.6\chem\50mv4b.i\b062514cal.b\ -b8260_a_b.m
 Meth Date : 26-Jun-2014 12:22 rwrede Quant Type: ISTD
 Cal Date : 23-JUN-2014 22:07 Cal File: d01cal6.d
 Als bottle: 14 Calibration Sample, Level: 5
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: all.sub
 Target Version: 4.14

Concentration Formula: Amt * DF * Uf/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT	SIG	MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS		REVIEW C
								CAL-AMT (ppb)	ON-COL (ppb)	
1 Dichlorodifluoromethane	85			1.057	1.057	(0.205)	91132	10.0000	9.94	
2 Chloromethane	50			1.175	1.192	(0.228)	148910	10.0000	9.60	
3 Vinyl Chloride	62			1.222	1.227	(0.237)	103694	10.0000	9.67	
4 Bromomethane	94			1.416	1.422	(0.274)	33752	10.0000	10.6	
5 Chloroethane	64			1.480	1.480	(0.287)	58829	10.0000	9.31	
6 Trichlorofluoromethane	101			1.639	1.639	(0.318)	111686	10.0000	10.0	
7 Diethyl ether	74			1.827	1.833	(0.354)	31788	10.0000	9.53	
8 1,2-dichlorotrifluoroethane	67			1.833	1.839	(0.355)	80319	10.0000	9.84	
9 Acrolein	56			1.916	1.922	(0.371)	331540	200.000	200	
10 1,1,2trichlorotrifluoroethane	101			1.986	1.992	(0.385)	61996	10.0000	9.75	
11 1,1-Dichloroethene	96			1.986	1.986	(0.385)	55289	10.0000	9.32	
12 Acetone	43			2.027	2.045	(0.393)	123932	50.0000	46.4	
13 Iodomethane	142			2.092	2.098	(0.405)	49921	20.0000	13.1	
14 Carbon Disulfide	76			2.139	2.145	(0.414)	285899	20.0000	18.5	
15 Acetonitrile	39			2.263	2.269	(0.438)	177639	10.0000	9.69	
16 allyl chloride	41			2.263	2.269	(0.438)	292220	20.0000	20.1	
17 Methyl Acetate	43			2.286	2.298	(0.443)	73106	10.0000	9.20	
18 Methylene Chloride	84			2.363	2.369	(0.458)	71887	10.0000	9.42	
19 tert-Butyl Alcohol	59			2.492	2.527	(0.483)	9000	20.0000	18.0	
20 Acrylonitrile	53			2.586	2.604	(0.501)	715817	200.000	206	
21 1,2-Dichloroethene (trans)	96			2.604	2.616	(0.504)	59182	10.0000	9.58	
22 Methyl-tert-butyl ether	73			2.616	2.627	(0.507)	226980	20.0000	18.6	
23 n-Hexane	57			2.880	2.886	(0.558)	120746	10.0000	9.06	

Compounds	QUANT MASS	SIG						AMOUNTS		REVIEW C
			RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ppb)	ON-COL (ppb)		
24 1,1-Dichloroethane	63		3.027	3.039	(0.586)	120980	10.0000	8.98		
25 Vinyl Acetate	43		3.116	3.127	(0.604)	841003	40.0000	43.2		
26 chloroprene	53		3.127	3.139	(0.606)	133482	10.0000	10.1		
27 2,2-Dichloropropane	77		3.733	3.739	(0.723)	36884	10.0000	9.67		
28 1,2-Dichloroethene (cis)	96		3.745	3.757	(0.725)	71555	10.0000	9.75		
29 2-Butanone	43		3.804	3.821	(0.737)	205084	50.0000	49.7		
30 Propionitrile	54		3.892	3.904	(0.754)	12992	10.0000	11.6		
31 Bromochloromethane	49		4.063	4.074	(0.787)	87049	10.0000	9.60		
32 Methacrylonitrile	41		4.086	4.098	(0.791)	55200	10.0000	8.87		
33 Tetrahydrofuran	42		4.133	4.151	(0.801)	26583	10.0000	8.06		
34 Chloroform	83		4.198	4.210	(0.813)	103796	10.0000	9.29		
35 1,1,1-Trichloroethane	97		4.392	4.398	(0.851)	72277	10.0000	8.99		
\$ 36 Dibromofluoromethane (S)	113		4.398	4.410	(0.852)	103347	50.0000	50.2		
37 Cyclohexane	56		4.439	4.451	(0.860)	143219	10.0000	9.68		
38 Carbon Tetrachloride	117		4.586	4.592	(0.888)	57581	10.0000	9.04		
39 1,1-Dichloropropene	75		4.598	4.604	(0.891)	81674	10.0000	9.63		
40 Benzene	78		4.833	4.839	(0.936)	250943	10.0000	9.49		
41 1,2-Dichloroethane	62		4.868	4.880	(0.943)	99891	10.0000	9.40		
42 2,2,4-Trimethylpentane	57		4.957	4.963	(0.960)	227325	10.0000	9.92		
43 Isobutyl alcohol	43		4.957	4.957	(0.960)	44488	10.0000	9.20		
* 44 Fluorobenzene	96		5.163	5.168	(1.000)	404227	50.0000			
45 Trichloroethene	95		5.557	5.563	(1.076)	61802	10.0000	9.52		
46 Methylcyclohexane	55		5.739	5.739	(1.112)	110602	10.0000	9.85		
47 1,2-Dichloropropane	63		5.786	5.792	(1.121)	73583	10.0000	9.51		
48 Dibromomethane	93		5.898	5.904	(1.142)	37806	10.0000	9.98		
49 1,4-Dioxane	88		5.962	6.015	(1.155)	10359	200.000	154		
50 Methyl methacrylate	69		5.968	5.974	(1.156)	34149	10.0000	9.16		
51 Bromodichloromethane	83		6.086	6.086	(1.179)	63165	10.0000	9.26		
52 2-Chloroethyl vinyl ether	63		6.415	6.415	(0.815)	72930	20.0000	17.6		
53 cis-1,3-Dichloropropene	75		6.521	6.527	(0.828)	62876	10.0000	8.66		
54 4-Methyl-2-Pentanone	43		6.698	6.704	(0.851)	430313	50.0000	53.9		
\$ 55 Toluene-d8	98		6.762	6.768	(0.859)	404930	50.0000	49.5		
56 Toluene	91		6.821	6.827	(0.866)	276741	10.0000	9.53		
57 trans-1,3-Dichloropropene	75		7.051	7.051	(0.895)	39945	10.0000	8.53		
58 Ethyl Methacrylate	69		7.157	7.157	(0.909)	59390	10.0000	8.86		
59 1,1,2-Trichloroethane	83		7.192	7.192	(0.913)	44755	10.0000	9.20		
60 Tetrachloroethene	166		7.280	7.280	(0.925)	69174	10.0000	8.93		
61 1,3-Dichloropropane	76		7.315	7.315	(0.929)	90211	10.0000	9.26		
62 2-Hexanone	43		7.404	7.409	(0.940)	273562	50.0000	52.3		
63 Dibromochloromethane	129		7.480	7.480	(0.950)	45104	10.0000	9.12		
64 1,2-Dibromoethane	107		7.545	7.551	(0.958)	53588	10.0000	9.40		
* 65 Chlorobenzene-d5	117		7.874	7.874	(1.000)	324444	50.0000			
66 Chlorobenzene	112		7.892	7.892	(1.002)	184976	10.0000	9.13		
67 1,1,1,2-Tetrachloroethane	131		7.951	7.951	(1.010)	51170	10.0000	8.88		
68 Ethylbenzene	106		7.974	7.974	(1.013)	99119	10.0000	10.1		
69 m&p-Xylene	106		8.051	8.051	(1.022)	237246	20.0000	21.1		
70 o-Xylene	106		8.298	8.298	(1.054)	108273	10.0000	10.2		
71 Styrene	104		8.309	8.309	(1.055)	151575	10.0000	8.57		
72 Bromoform	173		8.415	8.415	(0.906)	21895	10.0000	9.27		
73 Isopropylbenzene	105		8.527	8.527	(1.083)	256633	10.0000	8.45		
\$ 74 4-Bromofluorobenzene	95		8.615	8.615	(1.094)	134945	50.0000	49.7		
75 Bromobenzene	77		8.698	8.698	(1.105)	93530	10.0000	9.20		
76 1,1,2,2-Tetrachloroethane	83		8.709	8.709	(0.937)	70664	10.0000	9.54		
77 1,2,3-Trichloropropane	110		8.733	8.733	(0.940)	22373	10.0000	9.84		

Compounds	QUANT SIG MASS	AMOUNTS					CAL-AMT (ppb)	ON-COL (ppb)	REVIEW C =====
		RT	EXP RT	REL RT	RESPONSE				
78 trans-1,4-Dichloro-2-butene	53	8.745	8.745	(1.111)	16789	10.0000	8.90 (Q)		
79 n-Propylbenzene	91	8.774	8.768	(0.944)	246141	10.0000	9.96		
80 2-Chlorotoluene	91	8.815	8.815	(0.949)	186407	10.0000	10.3		
81 1,3,5-Trimethylbenzene	105	8.874	8.874	(0.955)	163690	10.0000	10.2		
82 4-Chlorotoluene	126	8.880	8.880	(0.956)	62400	10.0000	10.0		
83 tert-Butylbenzene	119	9.068	9.062	(0.976)	178570	10.0000	9.78		
84 1,2,4-Trimethylbenzene	105	9.092	9.092	(0.978)	140022	10.0000	8.79		
85 sec-Butylbenzene	105	9.192	9.192	(0.989)	188315	10.0000	9.84		
86 1,3-Dichlorobenzene	146	9.250	9.251	(0.996)	105069	10.0000	9.59		
87 p-Isopropyltoluene	119	9.274	9.274	(0.998)	132749	10.0000	9.26		
* 88 1,4-Dichlorobenzene-d4	152	9.292	9.292	(1.000)	122334	50.0000			
89 1,4-Dichlorobenzene	146	9.303	9.303	(1.001)	99388	10.0000	8.90		
90 n-Butylbenzene	91	9.509	9.509	(1.023)	84876	10.0000	9.49		
91 1,2-Dichlorobenzene	146	9.521	9.521	(1.025)	98082	10.0000	9.52		
92 1,2-Dibromo-3-chloropropane	155	9.974	9.974	(1.073)	6263	10.0000	9.80		
93 1,2,4-Trichlorobenzene	180	10.456	10.456	(1.125)	25845	10.0000	10.3		
94 Hexachlorobutadiene	225	10.562	10.557	(1.137)	18327	10.0000	8.68		
95 Naphthalene	128	10.609	10.610	(1.142)	79256	10.0000	11.5		
96 1,2,3-Trichlorobenzene	180	10.756	10.756	(1.158)	27522	10.0000	10.6		
97 2,methyl-naphthalene	142	11.303	11.303	(1.216)	8211	10.0000	5.17		
98 1-Methylnaphthalene	142	11.427	11.427	(2.213)	12755	10.0000	4.06		

QC Flag Legend

Q - Qualifier signal failed the ratio test.

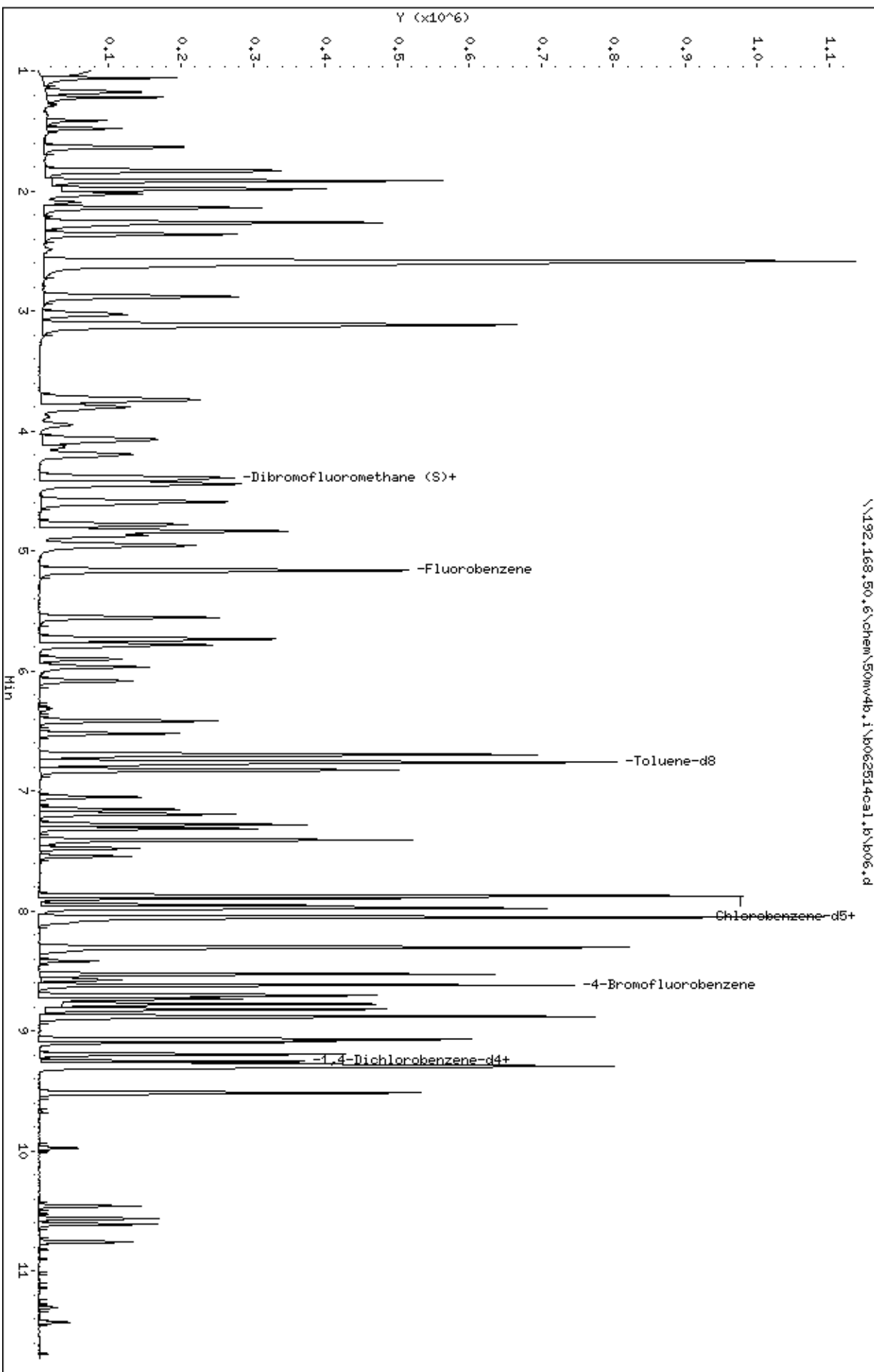
Review Codes Legend

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Data File: \\192.168.50.6\chem\50mw4b.1\p062514cal.1\p06.d
Date: 25-JUN-2014 18:21
Client ID: 8260-CAL5
Sample Info: 8260-CAL5.71414:0
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50mw4b.1
Operator: rsu
Column diameter: 0.18

\\192.168.50.6\chem\50mw4b.1\p062514cal.1\p06.d



Data File: \\192.168.50.6\chem\50mv4b.i\b062514cal.b\b06.d
Injection Date: 25-JUN-2014 18:21
Instrument: 50mv4b.i
Lab Sample ID: 8260-CAL5
NO SIGNAL MANUAL INTEGRATIONS DONE FOR THIS DATA FILE

Pace Analytical Services, Inc.

Data file : \\192.168.50.6\chem\50mv4b.i\b062514cal.b\b07.d
 Lab Smp Id: 8260-CAL6 Client Smp ID: 8260-CAL6
 Inj Date : 25-JUN-2014 18:54
 Operator : rsw Inst ID: 50mv4b.i
 Smp Info : 8260-cal6,71415:0
 Misc Info : 66151
 Comment :
 Method : \\192.168.50.6\chem\50mv4b.i\b062514cal.b\ -b8260_a_b.m
 Meth Date : 26-Jun-2014 12:22 rwrede Quant Type: ISTD
 Cal Date : 23-JUN-2014 22:07 Cal File: d01cal6.d
 Als bottle: 16 Calibration Sample, Level: 6
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: all.sub
 Target Version: 4.14

Concentration Formula: Amt * DF * Uf/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT	SIG	AMOUNTS					REVIEW C	
			MASS	RT	EXP RT	REL RT	RESPONSE		CAL-AMT (ppb)
1 Dichlorodifluoromethane	85		1.057	1.057	(0.205)	458331	50.0000	51.0	
2 Chloromethane	50		1.175	1.192	(0.227)	746089	50.0000	49.0	
3 Vinyl Chloride	62		1.222	1.227	(0.236)	531734	50.0000	50.5	
4 Bromomethane	94		1.410	1.422	(0.273)	164299	50.0000	52.6	
5 Chloroethane	64		1.475	1.480	(0.285)	293317	50.0000	47.3	
6 Trichlorofluoromethane	101		1.633	1.639	(0.316)	560199	50.0000	51.4	
7 Diethyl ether	74		1.828	1.833	(0.354)	176798	50.0000	54.0	
8 1,2-dichlorotrifluoroethane	67		1.833	1.839	(0.355)	423088	50.0000	52.8	
9 Acrolein	56		1.916	1.922	(0.371)	1672381	1000.00	1030	
10 1,1,2trichlorotrifluoroethane	101		1.986	1.992	(0.384)	325874	50.0000	52.2	
11 1,1-Dichloroethene	96		1.986	1.986	(0.384)	300149	50.0000	51.6	
12 Acetone	43		2.028	2.045	(0.392)	639373	250.000	251	
13 Iodomethane	142		2.092	2.098	(0.405)	594269	100.000	92.4	
14 Carbon Disulfide	76		2.139	2.145	(0.414)	1645773	100.000	108	
15 Acetonitrile	39		2.263	2.269	(0.438)	1005384	50.0000	55.9	
16 allyl chloride	41		2.263	2.269	(0.438)	1656500	100.000	116	
17 Methyl Acetate	43		2.292	2.298	(0.444)	398977	50.0000	51.2	
18 Methylene Chloride	84		2.363	2.369	(0.457)	329364	50.0000	53.3	
19 tert-Butyl Alcohol	59		2.498	2.527	(0.483)	51553	100.000	112	
20 Acrylonitrile	53		2.592	2.604	(0.502)	3776495	1000.00	1110	
21 1,2-Dichloroethene (trans)	96		2.604	2.616	(0.504)	320941	50.0000	52.9	
22 Methyl-tert-butyl ether	73		2.622	2.627	(0.507)	1269115	100.000	106	
23 n-Hexane	57		2.880	2.886	(0.557)	668046	50.0000	51.1	

Compounds	QUANT MASS	SIG	RT	EXP RT	REL RT	RESPONSE	AMOUNTS		REVIEW C
							CAL-AMT (ppb)	ON-COL (ppb)	
24 1,1-Dichloroethane	63		3.033	3.039	(0.587)	692095	50.0000	52.4	
25 Vinyl Acetate	43		3.122	3.127	(0.604)	4767267	200.000	250	
26 chloroprene	53		3.133	3.139	(0.606)	741590	50.0000	57.0	
27 2,2-Dichloropropane	77		3.733	3.739	(0.722)	269611	50.0000	43.6	
28 1,2-Dichloroethene (cis)	96		3.751	3.757	(0.726)	395957	50.0000	55.0	
29 2-Butanone	43		3.810	3.821	(0.737)	1145630	250.000	283	
30 Propionitrile	54		3.886	3.904	(0.752)	67045	50.0000	61.2	
31 Bromochloromethane	49		4.069	4.074	(0.787)	476696	50.0000	53.6	
32 Methacrylonitrile	41		4.086	4.098	(0.791)	401285	50.0000	65.7	
33 Tetrahydrofuran	42		4.139	4.151	(0.801)	143120	50.0000	44.2	
34 Chloroform	83		4.204	4.210	(0.813)	580050	50.0000	52.9	
35 1,1,1-Trichloroethane	97		4.392	4.398	(0.850)	457043	50.0000	58.0	
\$ 36 Dibromofluoromethane (S)	113		4.404	4.410	(0.852)	102470	50.0000	50.8	
37 Cyclohexane	56		4.445	4.451	(0.860)	811631	50.0000	55.9	
38 Carbon Tetrachloride	117		4.586	4.592	(0.887)	397931	50.0000	63.7	
39 1,1-Dichloropropene	75		4.598	4.604	(0.890)	466326	50.0000	56.0	
40 Benzene	78		4.833	4.839	(0.935)	1354370	50.0000	52.2	
41 1,2-Dichloroethane	62		4.874	4.880	(0.943)	532433	50.0000	51.1	
42 2,2,4-Trimethylpentane	57		4.957	4.963	(0.959)	1296084	50.0000	57.6	
43 Isobutyl alcohol	43		4.957	4.957	(0.959)	262522	50.0000	55.3	
* 44 Fluorobenzene	96		5.168	5.168	(1.000)	396608	50.0000		
45 Trichloroethene	95		5.557	5.563	(1.075)	354464	50.0000	55.6	
46 Methylcyclohexane	55		5.739	5.739	(1.110)	636057	50.0000	57.7	
47 1,2-Dichloropropane	63		5.786	5.792	(1.119)	422170	50.0000	55.6	
48 Dibromomethane	93		5.904	5.904	(1.142)	207241	50.0000	55.7	
49 1,4-Dioxane	88		5.957	6.015	(1.152)	62218	1000.00	1190	
50 Methyl methacrylate	69		5.974	5.974	(1.156)	216011	50.0000	51.8	
51 Bromodichloromethane	83		6.086	6.086	(1.178)	401422	50.0000	60.0	
52 2-Chloroethyl vinyl ether	63		6.415	6.415	(0.815)	516135	100.000	106	
53 cis-1,3-Dichloropropene	75		6.527	6.527	(0.829)	471460	50.0000	49.4	
54 4-Methyl-2-Pentanone	43		6.698	6.704	(0.851)	2452106	250.000	317	
\$ 55 Toluene-d8	98		6.763	6.768	(0.859)	395511	50.0000	49.8	
56 Toluene	91		6.827	6.827	(0.867)	1494217	50.0000	53.0	
57 trans-1,3-Dichloropropene	75		7.051	7.051	(0.895)	342109	50.0000	45.1	
58 Ethyl Methacrylate	69		7.157	7.157	(0.909)	403558	50.0000	51.6	
59 1,1,2-Trichloroethane	83		7.192	7.192	(0.913)	252299	50.0000	53.4	
60 Tetrachloroethene	166		7.280	7.280	(0.925)	388174	50.0000	51.7	
61 1,3-Dichloropropane	76		7.315	7.315	(0.929)	498319	50.0000	52.7	
62 2-Hexanone	43		7.404	7.409	(0.940)	1668878	250.000	328	
63 Dibromochloromethane	129		7.480	7.480	(0.950)	311126	50.0000	47.9	
64 1,2-Dibromoethane	107		7.545	7.551	(0.958)	321578	50.0000	58.2	
* 65 Chlorobenzene-d5	117		7.874	7.874	(1.000)	314829	50.0000		
66 Chlorobenzene	112		7.892	7.892	(1.002)	1020033	50.0000	51.9	
67 1,1,1,2-Tetrachloroethane	131		7.951	7.951	(1.010)	336024	50.0000	50.5	
68 Ethylbenzene	106		7.974	7.974	(1.013)	558881	50.0000	58.8	
69 m&p-Xylene	106		8.051	8.051	(1.022)	1323639	100.000	121	
70 o-Xylene	106		8.298	8.298	(1.054)	635602	50.0000	61.7	
71 Styrene	104		8.309	8.309	(1.055)	976253	50.0000	53.4	
72 Bromoform	173		8.415	8.415	(0.905)	171868	50.0000	46.4	
73 Isopropylbenzene	105		8.527	8.527	(1.083)	1562262	50.0000	55.3	
\$ 74 4-Bromofluorobenzene	95		8.615	8.615	(1.094)	138264	50.0000	52.5	
75 Bromobenzene	77		8.704	8.698	(1.105)	558277	50.0000	56.6	
76 1,1,2,2-Tetrachloroethane	83		8.709	8.709	(0.937)	384476	50.0000	45.9	
77 1,2,3-Trichloropropane	110		8.733	8.733	(0.939)	116818	50.0000	45.4 (Q)	

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS		REVIEW C
						CAL-AMT (ppb)	ON-COL (ppb)	
78 trans-1,4-Dichloro-2-butene	53	8.745	8.745	(1.111)	117147	50.0000	49.7 (Q)	
79 n-Propylbenzene	91	8.774	8.768	(0.944)	1643595	50.0000	58.7	
80 2-Chlorotoluene	91	8.821	8.815	(0.949)	1035628	50.0000	50.4	
81 1,3,5-Trimethylbenzene	105	8.880	8.874	(0.955)	1090012	50.0000	59.9	
82 4-Chlorotoluene	126	8.886	8.880	(0.956)	386692	50.0000	55.0	
83 tert-Butylbenzene	119	9.068	9.062	(0.975)	1221783	50.0000	59.1	
84 1,2,4-Trimethylbenzene	105	9.098	9.092	(0.978)	979338	50.0000	51.5	
85 sec-Butylbenzene	105	9.192	9.192	(0.989)	1315196	50.0000	60.7	
86 1,3-Dichlorobenzene	146	9.256	9.251	(0.996)	670021	50.0000	54.0	
87 p-Isopropyltoluene	119	9.280	9.274	(0.998)	998713	50.0000	47.4	
* 88 1,4-Dichlorobenzene-d4	152	9.298	9.292	(1.000)	138449	50.0000	(Q)	
89 1,4-Dichlorobenzene	146	9.309	9.303	(1.001)	643273	50.0000	50.9	
90 n-Butylbenzene	91	9.515	9.509	(1.023)	671637	50.0000	45.0	
91 1,2-Dichlorobenzene	146	9.521	9.521	(1.024)	622078	50.0000	53.4	
92 1,2-Dibromo-3-chloropropane	155	9.974	9.974	(1.073)	47926	50.0000	44.6	
93 1,2,4-Trichlorobenzene	180	10.462	10.456	(1.125)	203427	50.0000	42.7	
94 Hexachlorobutadiene	225	10.562	10.557	(1.136)	124697	50.0000	52.2	
95 Naphthalene	128	10.609	10.610	(1.141)	519704	50.0000	48.6	
96 1,2,3-Trichlorobenzene	180	10.756	10.756	(1.157)	189801	50.0000	43.7	
97 2,methyl-naphthalene	142	11.309	11.303	(1.216)	246221	50.0000	45.6	
98 1-Methylnaphthalene	142	11.427	11.427	(2.211)	270482	50.0000	56.2	

QC Flag Legend

Q - Qualifier signal failed the ratio test.

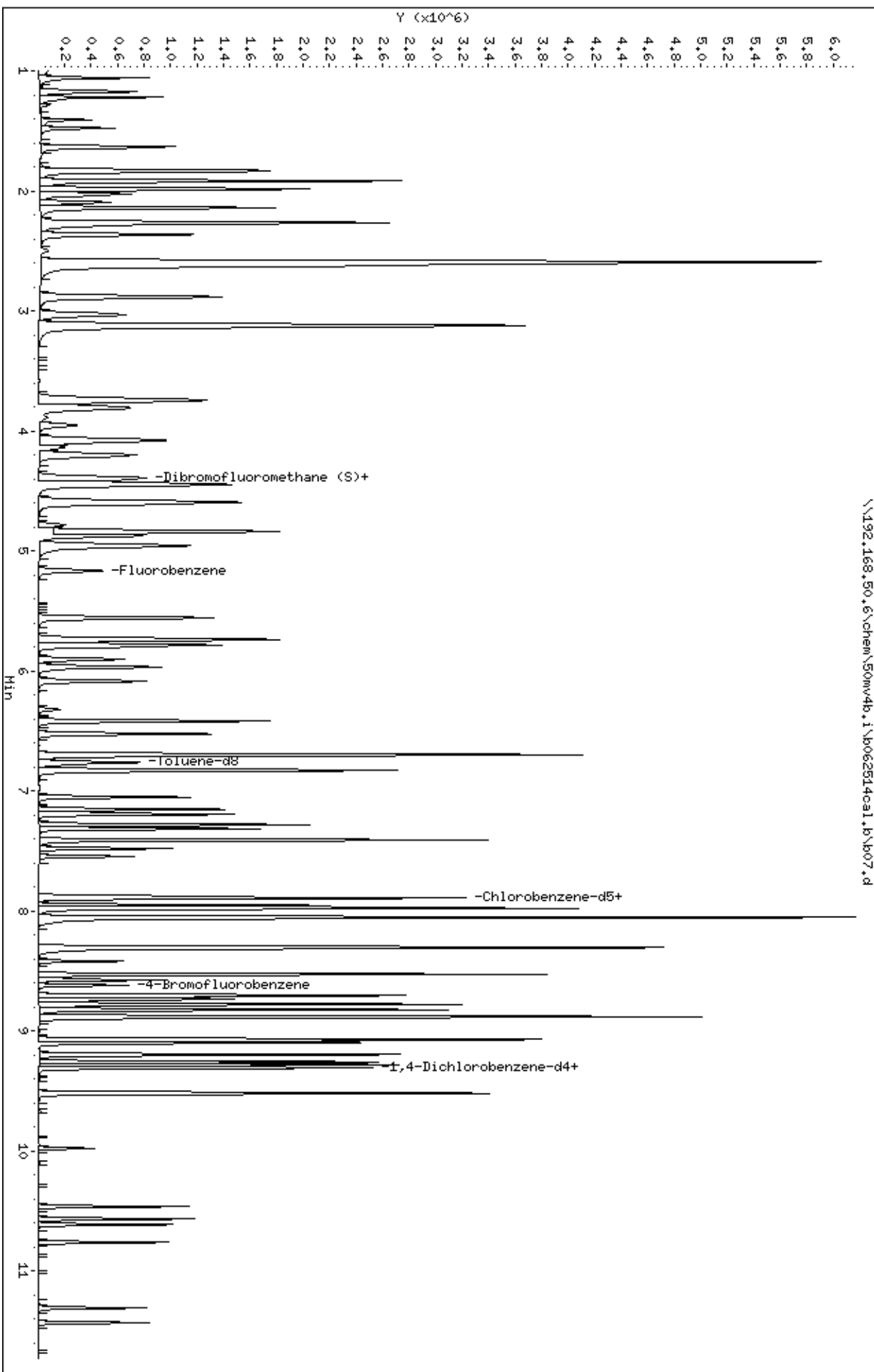
Review Codes Legend

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Data File: \\192.168.50.6\chem\50mw4b.i\p062514cal.b\k07.d
Date: 25-JUN-2014 18:54
Client ID: 8260-CAL6
Sample Info: 8260-CAL6,71415:0
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50mw4b.i
Operator: rsu
Column diameter: 0.18

\\192.168.50.6\chem\50mw4b.i\p062514cal.b\k07.d



Data File: \\192.168.50.6\chem\50mv4b.i\b062514cal.b\b07.d
Injection Date: 25-JUN-2014 18:54
Instrument: 50mv4b.i
Lab Sample ID: 8260-CAL6
NO SIGNAL MANUAL INTEGRATIONS DONE FOR THIS DATA FILE

Pace Analytical Services, Inc.

Data file : \\192.168.50.6\chem\50mv4b.i\b062514cal.b\b08.d
 Lab Smp Id: 8260-CAL7 Client Smp ID: 8260-CAL7
 Inj Date : 25-JUN-2014 19:26
 Operator : rsw Inst ID: 50mv4b.i
 Smp Info : 8260-cal7,71416:0
 Misc Info : 66151
 Comment :
 Method : \\192.168.50.6\chem\50mv4b.i\b062514cal.b\ -b8260_a_b.m
 Meth Date : 26-Jun-2014 12:22 rwrede Quant Type: ISTD
 Cal Date : 23-JUN-2014 22:07 Cal File: d01cal6.d
 Als bottle: 18 Calibration Sample, Level: 7
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: all.sub
 Target Version: 4.14

Concentration Formula: Amt * DF * Uf/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT	SIG	AMOUNTS				REVIEW C	
			CAL-AMT	ON-COL				
	MASS	RT	EXP RT	REL RT	RESPONSE	(ppb)	(ppb)	
1 Dichlorodifluoromethane	85	1.057	1.057	(0.205)	1411685	150.000	140	
2 Chloromethane	50	1.174	1.192	(0.227)	2393977	150.000	140	
3 Vinyl Chloride	62	1.221	1.227	(0.236)	1706543	150.000	144	
4 Bromomethane	94	1.404	1.422	(0.272)	221450	150.000	63.1	
5 Chloroethane	64	1.463	1.480	(0.283)	841785	150.000	121	
6 Trichlorofluoromethane	101	1.627	1.639	(0.315)	1695166	150.000	138	
7 Diethyl ether	74	1.827	1.833	(0.354)	527975	150.000	144	
8 1,2-dichlorotrifluoroethane	67	1.833	1.839	(0.355)	1244024	150.000	138	
9 Acrolein	56	1.916	1.922	(0.371)	4779455	3000.00	2610	
10 1,1,2trichlorotrifluoroethane	101	1.980	1.992	(0.383)	975564	150.000	139	
11 1,1-Dichloroethene	96	1.980	1.986	(0.383)	914711	150.000	140	
12 Acetone	43	2.033	2.045	(0.393)	1873823	750.000	656	
13 Iodomethane	142	2.092	2.098	(0.405)	2307658	300.000	305	
14 Carbon Disulfide	76	2.133	2.145	(0.413)	5065353	300.000	297	
15 Acetonitrile	39	2.257	2.269	(0.437)	2933402	150.000	145	
16 allyl chloride	41	2.257	2.269	(0.437)	4810834	300.000	300	
17 Methyl Acetate	43	2.286	2.298	(0.442)	1163035	150.000	133	
18 Methylene Chloride	84	2.363	2.369	(0.457)	966490	150.000	143	
19 tert-Butyl Alcohol	59	2.539	2.527	(0.491)	151423	300.000	296	
20 Acrylonitrile	53	2.598	2.604	(0.503)	9855833	3000.00	2580	
21 1,2-Dichloroethene (trans)	96	2.604	2.616	(0.504)	931999	150.000	137	
22 Methyl-tert-butyl ether	73	2.621	2.627	(0.507)	3938382	300.000	294	
23 n-Hexane	57	2.874	2.886	(0.556)	2040616	150.000	139	

Compounds	QUANT MASS	SIG	AMOUNTS				REVIEW C		
			RT	EXP RT	REL RT	RESPONSE		CAL-AMT (ppb)	ON-COL (ppb)
24 1,1-Dichloroethane	63		3.027	3.039	(0.586)	2107202	150.000	142	
25 Vinyl Acetate	43		3.115	3.127	(0.603)	14128038	600.000	659	
26 chloroprene	53		3.127	3.139	(0.605)	2244789	150.000	154	
27 2,2-Dichloropropane	77		3.733	3.739	(0.722)	1005061	150.000	134	
28 1,2-Dichloroethene (cis)	96		3.745	3.757	(0.725)	1218088	150.000	151	
29 2-Butanone	43		3.810	3.821	(0.737)	3466204	750.000	762	
30 Propionitrile	54		3.898	3.904	(0.754)	231238	150.000	188	
31 Bromochloromethane	49		4.068	4.074	(0.787)	1370611	150.000	137	
32 Methacrylonitrile	41		4.086	4.098	(0.791)	1207665	150.000	176	
33 Tetrahydrofuran	42		4.139	4.151	(0.801)	440581	150.000	121	
34 Chloroform	83		4.198	4.210	(0.812)	1788952	150.000	145	
35 1,1,1-Trichloroethane	97		4.386	4.398	(0.849)	1507424	150.000	170	
\$ 36 Dibromofluoromethane (S)	113		4.398	4.410	(0.851)	114610	50.0000	50.6	
37 Cyclohexane	56		4.439	4.451	(0.859)	2517991	150.000	154	
38 Carbon Tetrachloride	117		4.586	4.592	(0.887)	1307916	150.000	186	
39 1,1-Dichloropropene	75		4.598	4.604	(0.890)	1426522	150.000	153	
40 Benzene	78		4.833	4.839	(0.935)	4113682	150.000	141	
41 1,2-Dichloroethane	62		4.874	4.880	(0.943)	1623332	150.000	139	
42 2,2,4-Trimethylpentane	57		4.957	4.963	(0.959)	4123138	150.000	163	
43 Isobutyl alcohol	43		4.957	4.957	(0.959)	864914	150.000	162	
* 44 Fluorobenzene	96		5.168	5.168	(1.000)	445310	50.0000		
45 Trichloroethene	95		5.556	5.563	(1.075)	1098265	150.000	154	
46 Methylcyclohexane	55		5.739	5.739	(1.110)	1977261	150.000	160	
47 1,2-Dichloropropane	63		5.786	5.792	(1.119)	1298277	150.000	152	
48 Dibromomethane	93		5.904	5.904	(1.142)	634562	150.000	152	
49 1,4-Dioxane	88		5.962	6.015	(1.154)	181408	3000.00	3160	
50 Methyl methacrylate	69		5.968	5.974	(1.155)	683450	150.000	144	
51 Bromodichloromethane	83		6.086	6.086	(1.178)	1308715	150.000	174	
52 2-Chloroethyl vinyl ether	63		6.415	6.415	(0.815)	1628391	300.000	292	
53 cis-1,3-Dichloropropene	75		6.527	6.527	(0.829)	1571199	150.000	141	
54 4-Methyl-2-Pentanone	43		6.703	6.704	(0.851)	7104304	750.000	815	
\$ 55 Toluene-d8	98		6.768	6.768	(0.860)	443695	50.0000	49.6	
56 Toluene	91		6.827	6.827	(0.867)	4443175	150.000	140	
57 trans-1,3-Dichloropropene	75		7.050	7.051	(0.895)	1277389	150.000	140	
58 Ethyl Methacrylate	69		7.156	7.157	(0.909)	1289567	150.000	143	
59 1,1,2-Trichloroethane	83		7.192	7.192	(0.913)	748527	150.000	141	
60 Tetrachloroethene	166		7.280	7.280	(0.925)	1200825	150.000	142	
61 1,3-Dichloropropane	76		7.315	7.315	(0.929)	1509323	150.000	142	
62 2-Hexanone	43		7.409	7.409	(0.941)	4861801	750.000	850	
63 Dibromochloromethane	129		7.480	7.480	(0.950)	1071989	150.000	141	
64 1,2-Dibromoethane	107		7.550	7.551	(0.959)	1011328	150.000	162	
* 65 Chlorobenzene-d5	117		7.874	7.874	(1.000)	354711	50.0000		
66 Chlorobenzene	112		7.892	7.892	(1.002)	3121529	150.000	141	
67 1,1,1,2-Tetrachloroethane	131		7.956	7.951	(1.010)	1100673	150.000	144	
68 Ethylbenzene	106		7.974	7.974	(1.013)	1679582	150.000	157	
69 m&p-Xylene	106		8.056	8.051	(1.023)	3932333	300.000	319	
70 o-Xylene	106		8.303	8.298	(1.055)	1938045	150.000	167	
71 Styrene	104		8.309	8.309	(1.055)	3058999	150.000	148	
72 Bromoform	173		8.421	8.415	(0.906)	620792	150.000	140	
73 Isopropylbenzene	105		8.527	8.527	(1.083)	4793230	150.000	151	
\$ 74 4-Bromofluorobenzene	95		8.615	8.615	(1.094)	155308	50.0000	52.3	
75 Bromobenzene	77		8.703	8.698	(1.105)	1682967	150.000	151	
76 1,1,2,2-Tetrachloroethane	83		8.715	8.709	(0.937)	1120571	150.000	117	
77 1,2,3-Trichloropropane	110		8.733	8.733	(0.939)	341269	150.000	116	

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS		REVIEW C
						CAL-AMT (ppb)	ON-COL (ppb)	
78 trans-1,4-Dichloro-2-butene	53	8.745	8.745	(1.111)	387413	150.000	141	
79 n-Propylbenzene	91	8.774	8.768	(0.944)	5088428	150.000	159	
80 2-Chlorotoluene	91	8.821	8.815	(0.949)	3127542	150.000	133	
81 1,3,5-Trimethylbenzene	105	8.880	8.874	(0.955)	3543479	150.000	170	
82 4-Chlorotoluene	126	8.886	8.880	(0.956)	1218463	150.000	151	
83 tert-Butylbenzene	119	9.068	9.062	(0.975)	4017418	150.000	170	
84 1,2,4-Trimethylbenzene	105	9.097	9.092	(0.978)	3279948	150.000	150	
85 sec-Butylbenzene	105	9.197	9.192	(0.989)	4351995	150.000	176	
86 1,3-Dichlorobenzene	146	9.256	9.251	(0.996)	2108270	150.000	149	
87 p-Isopropyltoluene	119	9.280	9.274	(0.998)	3564036	150.000	142	
* 88 1,4-Dichlorobenzene-d4	152	9.297	9.292	(1.000)	158419	50.0000	(Q)	
89 1,4-Dichlorobenzene	146	9.309	9.303	(1.001)	2101122	150.000	145	
90 n-Butylbenzene	91	9.515	9.509	(1.023)	2513506	150.000	139	
91 1,2-Dichlorobenzene	146	9.527	9.521	(1.025)	1946049	150.000	146	
92 1,2-Dibromo-3-chloropropane	155	9.974	9.974	(1.073)	182275	150.000	140	
93 1,2,4-Trichlorobenzene	180	10.462	10.456	(1.125)	784314	150.000	132	
94 Hexachlorobutadiene	225	10.562	10.557	(1.136)	427540	150.000	156	
95 Naphthalene	128	10.615	10.610	(1.142)	1730737	150.000	134	
96 1,2,3-Trichlorobenzene	180	10.762	10.756	(1.158)	708453	150.000	133	
97 2,methyl-naphthalene	142	11.309	11.303	(1.216)	960635	150.000	153	
98 1-Methylnaphthalene	142	11.433	11.427	(2.212)	846684	150.000	154	

QC Flag Legend

Q - Qualifier signal failed the ratio test.

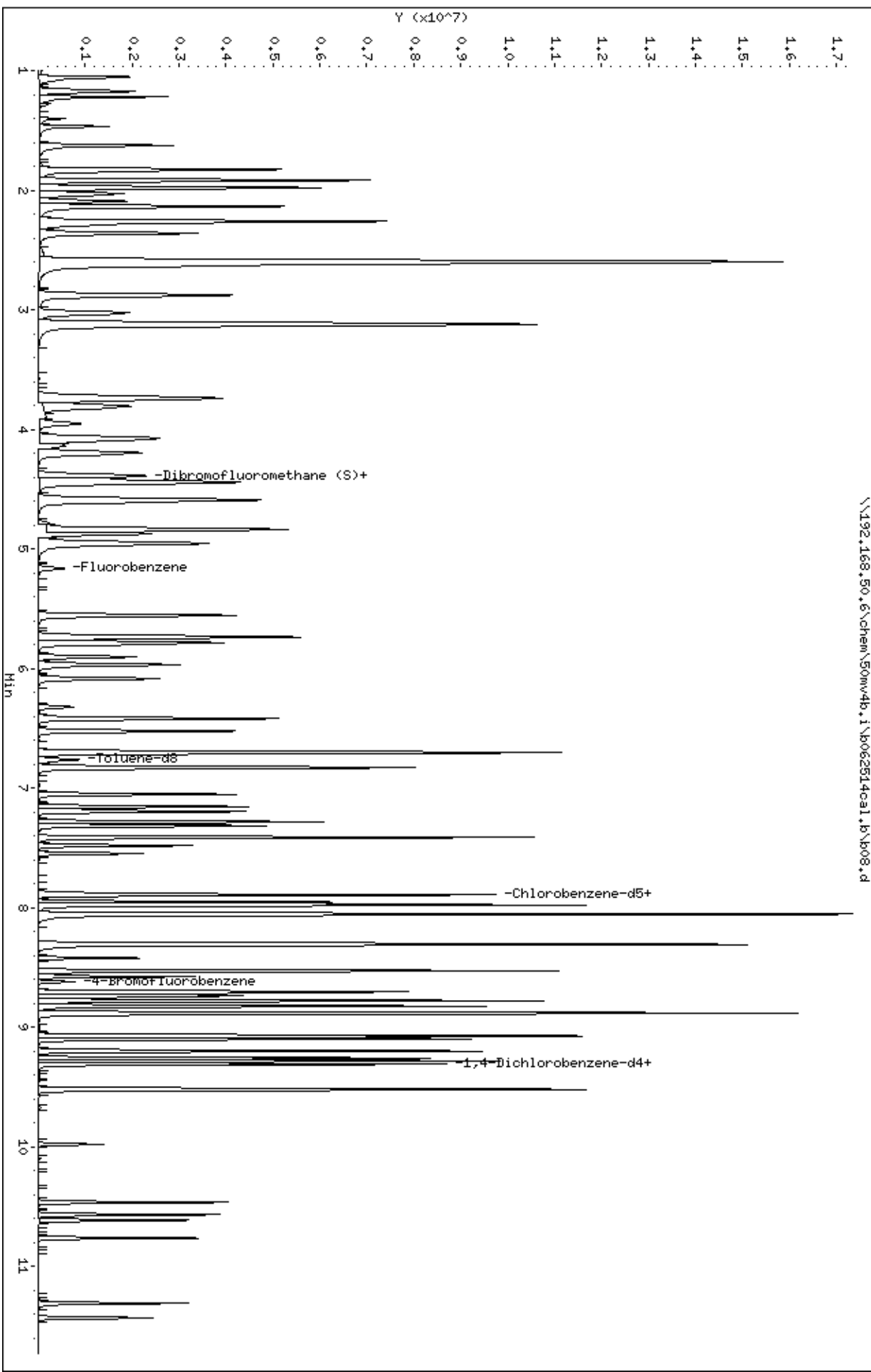
Review Codes Legend

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Client ID: 8260-CAL7
Sample Info: 8260-CAL7.71416:0
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50mw4b.i
Operator: rsu
Column diameter: 0.18

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Data File: \\192.168.50.6\chem\50mv4b.i\b062514cal.b\b08.d
Injection Date: 25-JUN-2014 19:26
Instrument: 50mv4b.i
Lab Sample ID: 8260-CAL7
NO SIGNAL MANUAL INTEGRATIONS DONE FOR THIS DATA FILE

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Data file : \\192.168.50.6\chem\50mv4b.i\b062514cal.b\b09.d
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 Inj Date : 25-JUN-2014 19:58
 Operator : rsw Inst ID: 50mv4b.i
 Smp Info : 8260-cal8,71417:0
 Misc Info : 66151
 Comment :
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 Meth Date : 26-Jun-2014 12:22 rwrede Quant Type: ISTD
 Cal Date : 23-JUN-2014 22:07 Cal File: d01cal6.d
 Als bottle: 20 Calibration Sample, Level: 8
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: all.sub
 Target Version: 4.14

Concentration Formula: Amt * DF * Uf/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT	SIG	AMOUNTS					REVIEW C	
			MASS	RT	EXP RT	REL RT	RESPONSE		CAL-AMT (ppb)
1 Dichlorodifluoromethane	85		1.051	1.057	(0.204)	2851849	300.000	290	
2 Chloromethane	50		1.174	1.192	(0.228)	5492703	300.000	330	
3 Vinyl Chloride	62		1.221	1.227	(0.237)	3489908	300.000	303	
4 Bromomethane	94		1.404	1.422	(0.272)	493887	300.000	144	
5 Chloroethane	64		1.457	1.480	(0.282)	380489	300.000	56.1	
6 Trichlorofluoromethane	101		1.621	1.639	(0.314)	3441398	300.000	288	
7 Diethyl ether	74		1.821	1.833	(0.353)	1046375	300.000	292	
8 1,2-dichlorotrifluoroethane	67		1.827	1.839	(0.354)	2456366	300.000	280	
9 Acrolein	56		1.916	1.922	(0.371)	8695941	6000.00	4880	
10 1,1,2trichlorotrifluoroethane	101		1.974	1.992	(0.383)	1945761	300.000	285	
11 1,1-Dichloroethene	96		1.974	1.986	(0.383)	1831568	300.000	288	
12 Acetone	43		2.033	2.045	(0.394)	3695512	1500.00	1330	
13 Iodomethane	142		2.086	2.098	(0.404)	4462941	600.000	599	
14 Carbon Disulfide	76		2.133	2.145	(0.413)	10185867	600.000	614	
15 Acetonitrile	39		2.257	2.269	(0.437)	5351682	300.000	272	
16 allyl chloride	41		2.257	2.269	(0.437)	8672831	600.000	556	
17 Methyl Acetate	43		2.286	2.298	(0.443)	2399800	300.000	281	
18 Methylene Chloride	84		2.357	2.369	(0.457)	1969677	300.000	303	
19 tert-Butyl Alcohol	59		2.563	2.527	(0.496)	114194	600.000	229 (QMH)	
20 Acrylonitrile	53		2.604	2.604	(0.504)	16605794	6000.00	4460	
21 1,2-Dichloroethene (trans)	96		2.598	2.616	(0.503)	1814437	300.000	274	
22 Methyl-tert-butyl ether	73		2.621	2.627	(0.508)	7969597	600.000	610	
23 n-Hexane	57		2.868	2.886	(0.556)	4208839	300.000	294	

Compounds	QUANT MASS	SIG	AMOUNTS				REVIEW C		
			RT	EXP RT	REL RT	RESPONSE		CAL-AMT (ppb)	ON-COL (ppb)
24 1,1-Dichloroethane	63		3.021	3.039	(0.585)	4319086	300.000	299	
25 Vinyl Acetate	43		3.110	3.127	(0.602)	23103144	1200.00	1100	
26 chloroprene	53		3.127	3.139	(0.606)	4452300	300.000	313	
27 2,2-Dichloropropane	77		3.727	3.739	(0.722)	2289247	300.000	309	
28 1,2-Dichloroethene (cis)	96		3.739	3.757	(0.724)	2551935	300.000	324	
29 2-Butanone	43		3.810	3.821	(0.738)	7033000	1500.00	1590	
30 Propionitrile	54		3.904	3.904	(0.756)	478784	300.000	400 (Q)	
31 Bromochloromethane	49		4.062	4.074	(0.787)	2679565	300.000	275	
32 Methacrylonitrile	41		4.092	4.098	(0.793)	2474003	300.000	370	
33 Tetrahydrofuran	42		4.139	4.151	(0.802)	947922	300.000	268	
34 Chloroform	83		4.198	4.210	(0.813)	3675629	300.000	307	
35 1,1,1-Trichloroethane	97		4.386	4.398	(0.850)	3194899	300.000	370	
\$ 36 Dibromofluoromethane (S)	113		4.398	4.410	(0.852)	109602	50.0000	49.6	
37 Cyclohexane	56		4.439	4.451	(0.860)	5172717	300.000	326	
38 Carbon Tetrachloride	117		4.580	4.592	(0.887)	2799884	300.000	410	
39 1,1-Dichloropropene	75		4.592	4.604	(0.889)	2919995	300.000	321	
40 Benzene	78		4.833	4.839	(0.936)	8473030	300.000	299	
41 1,2-Dichloroethane	62		4.868	4.880	(0.943)	3292269	300.000	289	
42 2,2,4-Trimethylpentane	57		4.951	4.963	(0.959)	8806582	300.000	358	
43 Isobutyl alcohol	43		4.951	4.957	(0.959)	1829446	300.000	352	
* 44 Fluorobenzene	96		5.162	5.168	(1.000)	433879	50.0000		
45 Trichloroethene	95		5.557	5.563	(1.076)	2277316	300.000	327	
46 Methylcyclohexane	55		5.733	5.739	(1.111)	4050622	300.000	336	
47 1,2-Dichloropropane	63		5.786	5.792	(1.121)	2707383	300.000	326	
48 Dibromomethane	93		5.898	5.904	(1.142)	1318442	300.000	324	
49 1,4-Dioxane	88		5.980	6.015	(1.158)	326796	6000.00	5890	
50 Methyl methacrylate	69		5.974	5.974	(1.157)	1411525	300.000	303	
51 Bromodichloromethane	83		6.080	6.086	(1.178)	2758835	300.000	377	
52 2-Chloroethyl vinyl ether	63		6.415	6.415	(0.815)	3320240	600.000	603	
53 cis-1,3-Dichloropropene	75		6.527	6.527	(0.829)	3359615	300.000	305	
54 4-Methyl-2-Pentanone	43		6.709	6.704	(0.852)	13413690	1500.00	1570	
\$ 55 Toluene-d8	98		6.762	6.768	(0.859)	430338	50.0000	49.1	
56 Toluene	91		6.827	6.827	(0.867)	8848954	300.000	285	
57 trans-1,3-Dichloropropene	75		7.051	7.051	(0.895)	2761046	300.000	306	
58 Ethyl Methacrylate	69		7.156	7.157	(0.909)	2689452	300.000	303	
59 1,1,2-Trichloroethane	83		7.192	7.192	(0.913)	1537312	300.000	295	
60 Tetrachloroethene	166		7.280	7.280	(0.925)	2487888	300.000	300	
61 1,3-Dichloropropane	76		7.315	7.315	(0.929)	3053217	300.000	293	
62 2-Hexanone	43		7.415	7.409	(0.942)	9286957	1500.00	1660	
63 Dibromochloromethane	129		7.480	7.480	(0.950)	2299617	300.000	305	
64 1,2-Dibromoethane	107		7.550	7.551	(0.959)	2086129	300.000	342	
* 65 Chlorobenzene-d5	117		7.874	7.874	(1.000)	347397	50.0000		
66 Chlorobenzene	112		7.892	7.892	(1.002)	6229568	300.000	287	
67 1,1,1,2-Tetrachloroethane	131		7.956	7.951	(1.010)	2287048	300.000	303	
68 Ethylbenzene	106		7.974	7.974	(1.013)	3392289	300.000	324	
69 m&p-Xylene	106		8.056	8.051	(1.023)	7573373	600.000	628	
70 o-Xylene	106		8.298	8.298	(1.054)	3865510	300.000	340	
71 Styrene	104		8.309	8.309	(1.055)	6119075	300.000	301	
72 Bromoform	173		8.421	8.415	(0.906)	1383102	300.000	306	
73 Isopropylbenzene	105		8.527	8.527	(1.083)	9251998	300.000	298	
\$ 74 4-Bromofluorobenzene	95		8.615	8.615	(1.094)	155337	50.0000	53.4	
75 Bromobenzene	77		8.697	8.698	(1.105)	3477884	300.000	319	
76 1,1,2,2-Tetrachloroethane	83		8.715	8.709	(0.938)	2273821	300.000	235	
77 1,2,3-Trichloropropane	110		8.733	8.733	(0.940)	701226	300.000	236	

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS		REVIEW C
						CAL-AMT (ppb)	ON-COL (ppb)	
78 trans-1,4-Dichloro-2-butene	53	8.745	8.745	(1.111)	823430	300.000	304	
79 n-Propylbenzene	91	8.774	8.768	(0.944)	9429607	300.000	292	
80 2-Chlorotoluene	91	8.821	8.815	(0.949)	6339447	300.000	268	
81 1,3,5-Trimethylbenzene	105	8.874	8.874	(0.955)	7175904	300.000	342	
82 4-Chlorotoluene	126	8.886	8.880	(0.956)	2417713	300.000	298	
83 tert-Butylbenzene	119	9.068	9.062	(0.976)	8369343	300.000	351	
84 1,2,4-Trimethylbenzene	105	9.097	9.092	(0.979)	7124245	300.000	322	
85 sec-Butylbenzene	105	9.192	9.192	(0.989)	9053384	300.000	362	
86 1,3-Dichlorobenzene	146	9.256	9.251	(0.996)	4491840	300.000	314	
87 p-Isopropyltoluene	119	9.274	9.274	(0.998)	7740385	300.000	304	
* 88 1,4-Dichlorobenzene-d4	152	9.292	9.292	(1.000)	159724	50.0000	(Q)	
89 1,4-Dichlorobenzene	146	9.309	9.303	(1.002)	4400337	300.000	302	
90 n-Butylbenzene	91	9.509	9.509	(1.023)	5667122	300.000	306	
91 1,2-Dichlorobenzene	146	9.521	9.521	(1.025)	4006679	300.000	298	
92 1,2-Dibromo-3-chloropropane	155	9.974	9.974	(1.073)	408605	300.000	306	
93 1,2,4-Trichlorobenzene	180	10.456	10.456	(1.125)	1894743	300.000	310	
94 Hexachlorobutadiene	225	10.562	10.557	(1.137)	969557	300.000	352	
95 Naphthalene	128	10.609	10.610	(1.142)	4073020	300.000	308	
96 1,2,3-Trichlorobenzene	180	10.756	10.756	(1.158)	1687089	300.000	309	
97 2,methyl-naphthalene	142	11.303	11.303	(1.216)	1796025	300.000	299	
98 1-Methylnaphthalene	142	11.427	11.427	(2.213)	1600073	300.000	297	

QC Flag Legend

- Q - Qualifier signal failed the ratio test.
- M - Compound response manually integrated.
- H - Operator selected an alternate compound hit.

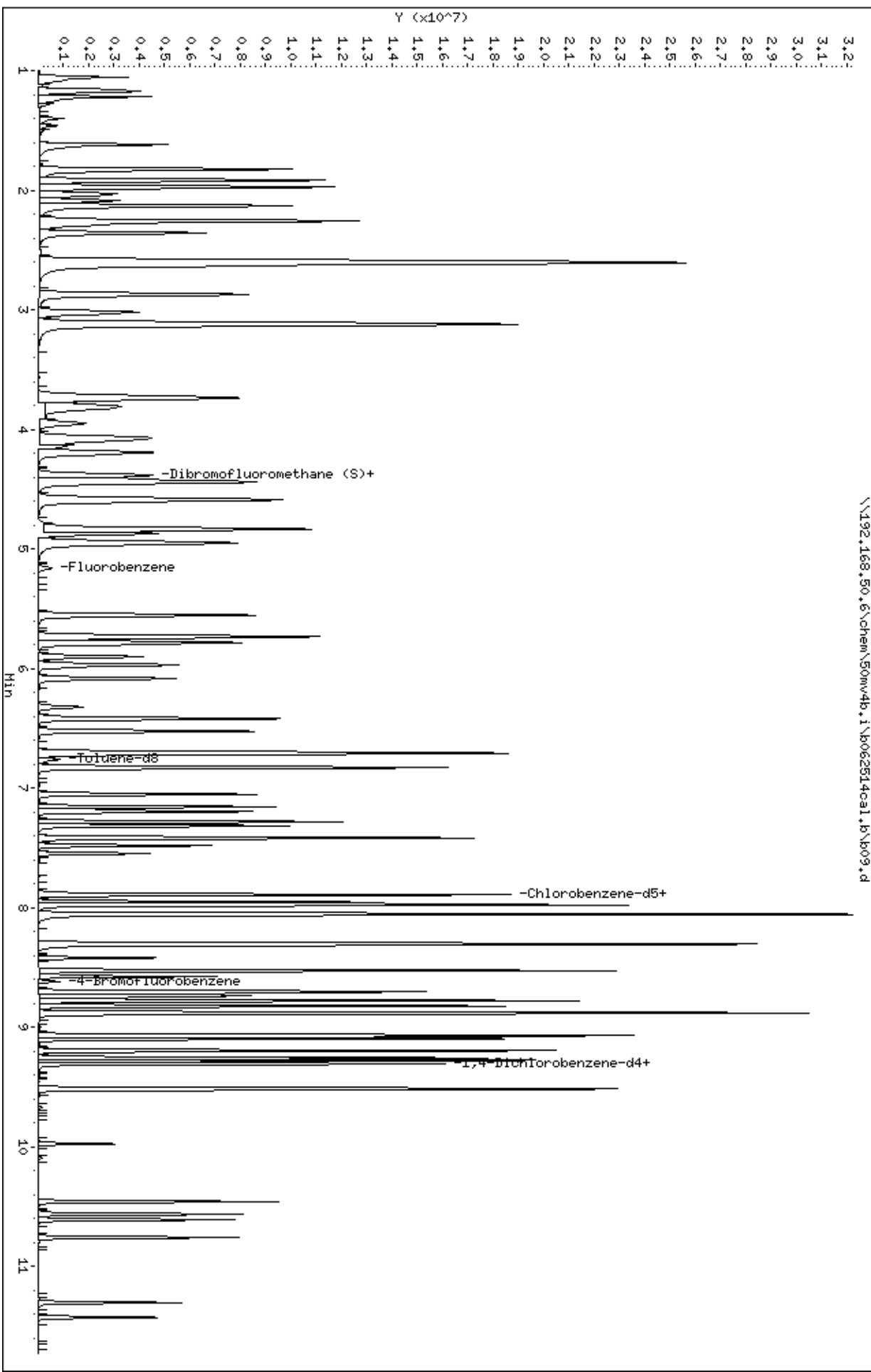
Review Codes Legend

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Date: 25-JUN-2014 19:58
Client ID: 8260-CAL8
Sample Info: 8260-CAL8.71417:0
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50mw4b.i
Operator: rsu
Column diameter: 0.18

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Data File: \\192.168.50.6\chem\50mv4b.i\b062514cal.b\b09.d

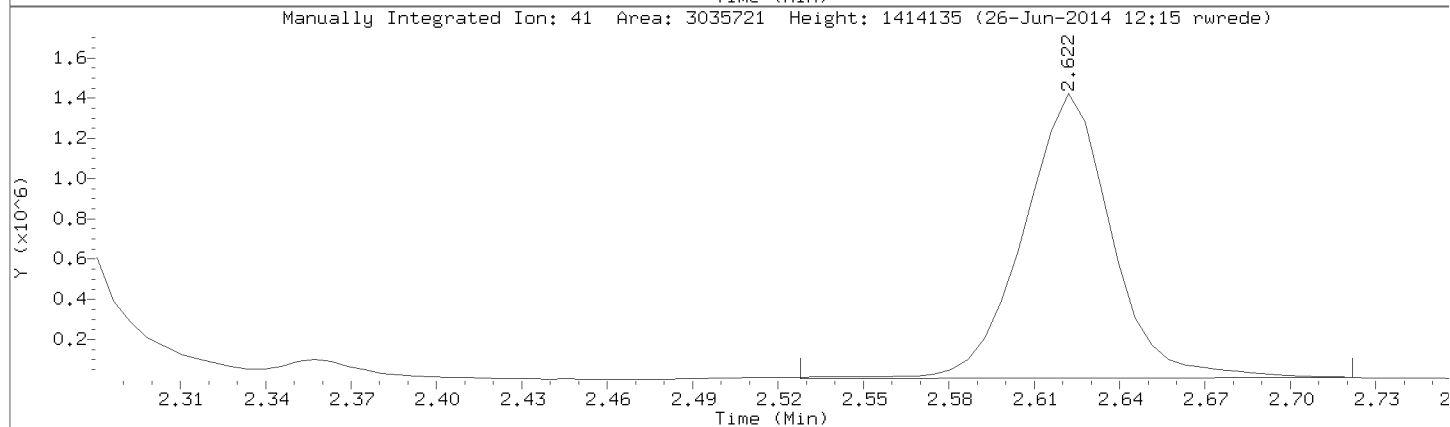
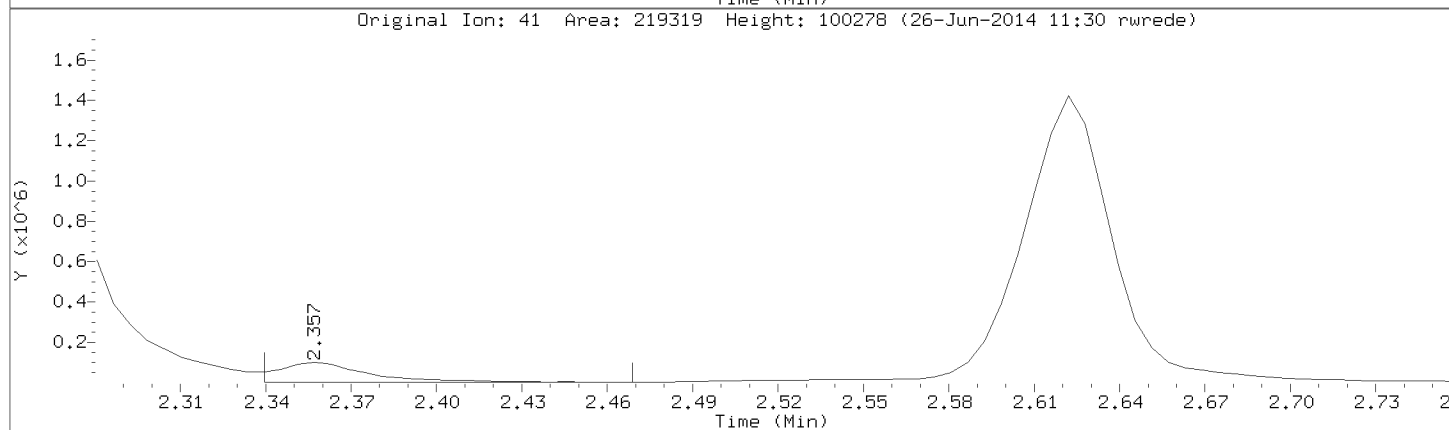
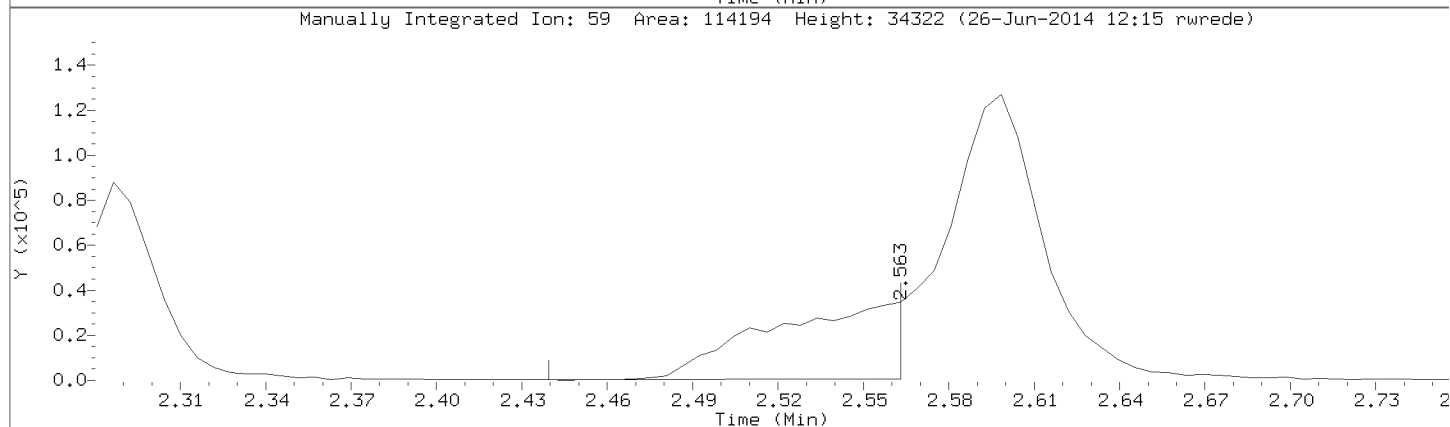
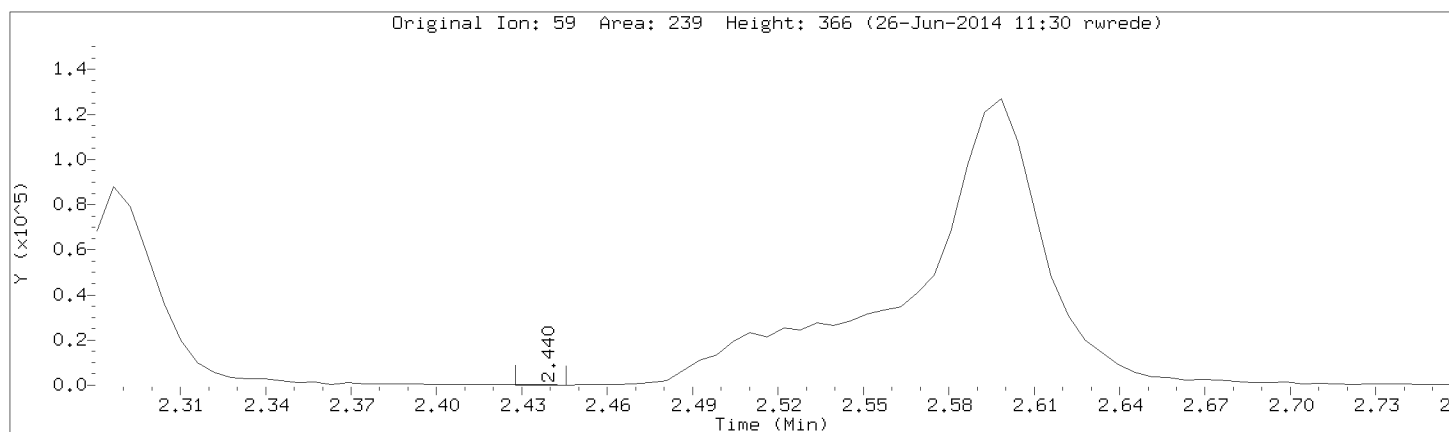
Injection Date: 25-JUN-2014 19:58

Instrument: 50mv4b.i

Lab Sample ID: 8260-CAL8

Compound: tert-Butyl Alcohol

CAS Number: 75-65-0



Pace Analytical Services, Inc.

Data file : \\192.168.50.6\chem\50mv3a.i\a061914cal.b\a10icv.d
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 Inj Date : 19-JUN-2014 19:38
 Operator : jlz Inst ID: 50mv3a.i
 Smp Info : 8260-icv,71105:0
 Misc Info : 65925
 Comment :
 Method : \\192.168.50.6\chem\50mv3a.i\a061914cal.b\ -a8260_a_c.m
 Meth Date : 20-Jun-2014 13:40 50mv3a.i Quant Type: ISTD
 Cal Date : 19-JUN-2014 18:33 Cal File: a08cal.d
 Als bottle: 21 QC Sample: ICV
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: all.sub
 Target Version: 4.14

Concentration Formula: Amt * DF * Uf/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT	SIG	MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS		REVIEW C
								ON-COLUMN (ug/L)	FINAL (ppb)	
1 Dichlorodifluoromethane	85			1.021	1.028	(0.230)	40172	57.9975	58.0	
2 Chloromethane	50			1.115	1.122	(0.251)	28896	49.0462	49.0	
3 Vinyl Chloride	62			1.136	1.138	(0.256)	30421	52.3099	52.3	
4 Bromomethane	94			1.293	1.289	(0.291)	12406	46.6413	46.6	
5 Chloroethane	64			1.345	1.342	(0.303)	17211	51.6671	51.7	
6 Trichlorofluoromethane	101			1.465	1.467	(0.330)	45739	49.5787	49.6	
7 Diethyl ether	74			1.596	1.596	(0.359)	10967	47.3262	47.3	
8 1,2-dichlorotrifluoroethane	67			1.617	1.617	(0.364)	30509	45.5819	45.6	
9 Acrolein	56			1.674	1.676	(0.377)	42365	1246.88	1250	
10 1,1,2trichlorotrifluoroethane	101			1.732	1.732	(0.390)	27617	49.0478	49.0	
11 1,1-Dichloroethene	96			1.737	1.739	(0.391)	21800	44.7169	44.7	
12 Acetone	43			1.748	1.750	(0.393)	18467	236.398	236	
13 Iodomethane	142			1.837	1.833	(0.413)	29152	92.3712	92.4	
14 Carbon Disulfide	76			1.884	1.886	(0.424)	135349	95.2047	95.2	
15 Methyl Acetate	43			1.931	1.933	(0.434)	11187	55.6111	55.6	
16 allyl chloride	41			1.946	1.947	(0.438)	62649	81.3524	81.4	
17 Methylene Chloride	84			2.030	2.032	(0.457)	27207	42.0948	42.1	
18 tert-Butyl Alcohol	59			2.072	2.079	(0.466)	1825	101.727	102	
19 Acrylonitrile	53			2.176	2.173	(0.490)	89913	926.126	926	
20 Methyl-tert-butyl ether	73			2.203	2.205	(0.495)	108340	95.9327	95.9	
21 1,2-Dichloroethene (trans)	96			2.213	2.215	(0.498)	25124	44.5800	44.6	
22 n-Hexane	57			2.412	2.414	(0.542)	43358	44.7016	44.7	
23 Vinyl Acetate	43			2.532	2.534	(0.570)	136468	198.237	198	

Compounds	QUANT MASS	SIG	CONCENTRATIONS					REVIEW C	
			RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ug/L)		FINAL (ppb)
24 1,1-Dichloroethane	63		2.543	2.545	(0.572)	45423	47.1373	47.1	
25 2-Butanone	43		3.039	3.041	(0.684)	30663	240.455	240	
26 1,2-Dichloroethene (cis)	96		3.060	3.057	(0.688)	25954	45.3434	45.3	
27 2,2-Dichloropropane	77		3.066	3.068	(0.690)	31986	45.5104	45.5	
29 Bromochloromethane	49		3.311	3.313	(0.745)	14790	50.9213	50.9	
30 Tetrahydrofuran	42		3.338	3.333	(0.751)	3892	52.2316	52.2	
31 Chloroform	83		3.432	3.428	(0.772)	44261	47.2485	47.2	
\$ 32 Dibromofluoromethane (S)	113		3.620	3.617	(0.814)	20927	50.3423	50.3	
33 1,1,1-Trichloroethane	97		3.620	3.622	(0.814)	39739	47.8415	47.8	
34 Cyclohexane	56		3.709	3.711	(0.834)	48847	50.4069	50.4	
35 Carbon Tetrachloride	117		3.819	3.815	(0.859)	29344	42.5804	42.6	
36 1,1-Dichloropropene	75		3.824	3.826	(0.860)	39336	47.3289	47.3	
37 Benzene	78		4.070	4.067	(0.915)	104292	50.3283	50.3	
38 1,2-Dichloroethane	62		4.148	4.150	(0.933)	28964	48.9183	48.9	
39 Isobutyl alcohol	43		4.174	4.237	(0.939)	162067	364.116	364 (Q)	
40 2,2,4-Trimethylpentane	57		4.237	4.239	(0.953)	110837	46.9519	47.0	
* 41 Fluorobenzene (IS)	96		4.446	4.448	(1.000)	89416	50.0000		
42 Trichloroethene	95		4.886	4.882	(1.099)	26457	46.7451	46.7	
43 Methylcyclohexane	55		5.147	5.149	(1.158)	40528	49.3154	49.3	
44 1,2-Dichloropropane	63		5.179	5.181	(1.165)	22176	46.5884	46.6	
45 Dibromomethane	93		5.278	5.280	(1.187)	9680	46.2994	46.3	
46 1,4-Dioxane	88		5.288	5.290	(1.189)	2771	898.510	898	
47 Methyl methacrylate	69		5.288	5.290	(1.189)	10462	45.8552	45.8	
48 Bromodichloromethane	83		5.498	5.494	(1.236)	28755	47.6914	47.7	
49 2-Chloroethyl vinyl ether	63		5.838	5.834	(0.776)	5904	47.7275	47.7	
50 cis-1,3-Dichloropropene	75		5.984	5.981	(0.796)	30645	42.3033	42.3	
51 4-Methyl-2-Pentanone	43		6.157	6.153	(0.819)	71589	244.368	244	
\$ 52 Toluene-d8 (S)	98		6.256	6.258	(0.832)	83817	48.8824	48.9	
53 Toluene	91		6.329	6.331	(0.841)	113761	46.3726	46.4	
54 trans-1,3-Dichloropropene	75		6.591	6.593	(0.876)	23157	42.5609	42.6	
55 Ethyl Methacrylate	69		6.664	6.666	(0.886)	91629	179.576	180	
56 1,1,2-Trichloroethane	83		6.769	6.765	(0.900)	13393	48.7547	48.8	
57 Tetrachloroethene	166		6.821	6.823	(0.907)	32107	45.7576	45.8	
58 1,3-Dichloropropane	76		6.905	6.901	(0.918)	28696	46.2561	46.2	
59 2-Hexanone	43		6.962	6.964	(0.926)	48771	243.514	244	
60 Dibromochloromethane	129		7.082	7.079	(0.942)	17638	43.1192	43.1	
61 1,2-Dibromoethane	107		7.166	7.163	(0.953)	14886	50.8339	50.8	
* 62 Chlorobenzene-D5 (IS)	117		7.522	7.524	(1.000)	64563	50.0000		
63 Chlorobenzene	112		7.548	7.545	(1.003)	71940	46.6618	46.7	
64 1,1,1,2-Tetrachloroethane	131		7.621	7.618	(1.013)	22636	49.3176	49.3	
65 Ethylbenzene	106		7.621	7.623	(1.013)	43662	47.5161	47.5	
66 m&p-Xylene	106		7.720	7.717	(1.026)	107596	96.0902	96.1	
67 o-Xylene	106		7.977	7.979	(1.060)	50654	48.3891	48.4	
68 Styrene	104		7.992	7.994	(1.063)	83269	48.1891	48.2	
69 Bromoform	173		8.113	8.115	(0.901)	10396	44.2306	44.2	
70 Isopropylbenzene	105		8.217	8.219	(1.092)	146346	49.8491	49.8	
\$ 71 4-Bromofluorobenzene (S)	95		8.332	8.329	(1.108)	30737	51.0551	51.0	
72 Bromobenzene	77		8.411	8.413	(1.118)	46812	46.9225	46.9	
73 1,1,2,2-Tetrachloroethane	83		8.421	8.418	(0.935)	19396	48.8993	48.9	
74 trans-1,4-Dichloro-2-butene	53		8.437	8.439	(1.122)	17054	160.170	160 (Q)	
75 1,2,3-Trichloropropane	110		8.447	8.449	(0.938)	6090	45.7289	45.7 (Q)	
76 n-Propylbenzene	91		8.474	8.476	(0.941)	171274	49.1678	49.2	
77 2-Chlorotoluene	91		8.526	8.528	(0.947)	92930	47.6473	47.6	
78 1,3,5-Trimethylbenzene	105		8.583	8.585	(0.953)	122898	47.9325	47.9	

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS		REVIEW C
						ON-COLUMN (ug/L)	FINAL (ppb)	
79 4-Chlorotoluene	126	8.604	8.601 (0.955)		32963	48.6570	48.6 (Q)	
80 tert-Butylbenzene	119	8.766	8.763 (0.973)		110770	40.1714	40.2	
81 1,2,4-Trimethylbenzene	105	8.798	8.800 (0.977)		124065	48.5051	48.5	
82 sec-Butylbenzene	105	8.892	8.889 (0.987)		166248	48.6247	48.6	
83 1,3-Dichlorobenzene	146	8.960	8.962 (0.995)		65482	46.8896	46.9	
84 p-Isopropyltoluene	119	8.976	8.972 (0.997)		139623	46.9369	46.9	
* 85 1,4-Dichlorobenzene-d4 (IS)	152	9.007	9.004 (1.000)		35299	50.0000		
86 1,4-Dichlorobenzene	146	9.018	9.019 (1.001)		64901	46.5914	46.6	
87 n-Butylbenzene	91	9.195	9.192 (1.021)		130086	48.5815	48.6	
88 1,2-Dichlorobenzene	146	9.211	9.213 (1.023)		58815	47.6891	47.7	
89 1,2-Dibromo-3-chloropropane	155	9.619	9.621 (1.068)		2750	31.9524	32.0 (QR)	
90 1,2,4-Trichlorobenzene	180	10.043	10.045 (1.115)		43006	48.3951	48.4	
91 Hexachlorobutadiene	225	10.111	10.107 (1.123)		27542	48.9605	49.0	
92 Naphthalene	128	10.194	10.191 (1.132)		76391	49.7920	49.8	
93 1,2,3-Trichlorobenzene	180	10.309	10.311 (1.145)		38817	48.6681	48.7	
94 2,methyl-naphthalene	142	10.853	10.855 (1.205)		48301	50.1912	50.2	
95 1-Methylnaphthalene	142	10.979	10.976 (1.219)		43017	52.2404	52.2	

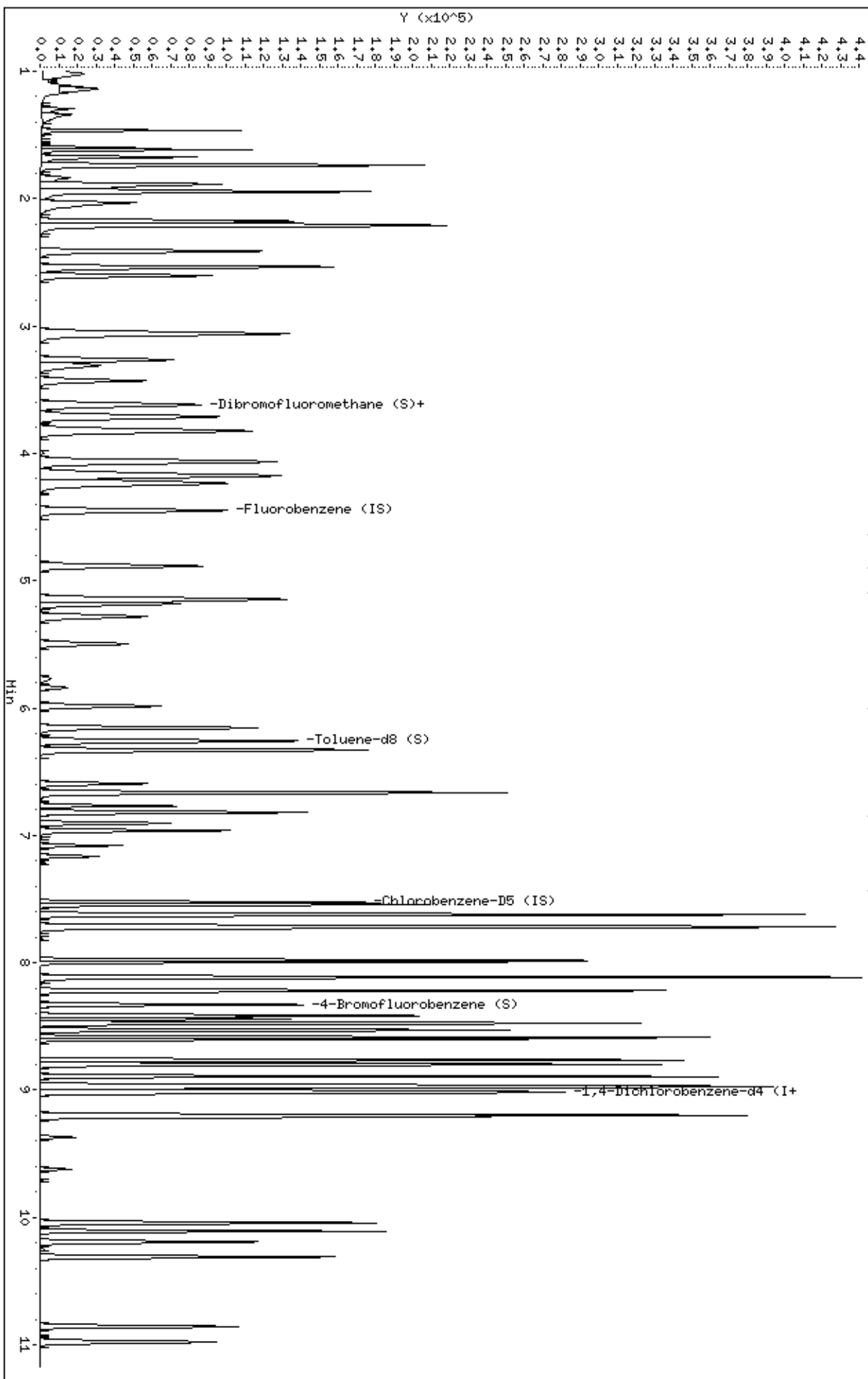
QC Flag Legend

- Q - Qualifier signal failed the ratio test.
- R - Spike/Surrogate failed recovery limits.

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Date: 19-JUN-2014 19:38
Client ID: 8260-ICV,71105:0
Sample Info: 8260-ICV,71105:0
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50mw3a.1
Operator: JIZ
Column diameter: 0.18

\\192.168.50.6\chem\50mw3a.1\A061914cal.b\ad01ov.d



Date : 19-JUN-2014 19:38

Client ID: 8260-ICV,71105;0

Instrument: 50mv3a.i

Sample Info: 8260-ICV,71105;0

Purge Volume: 5.0

Operator: jlz

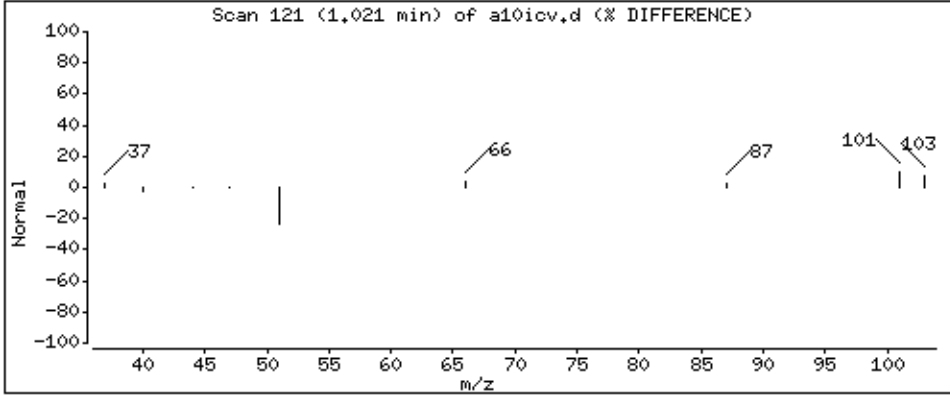
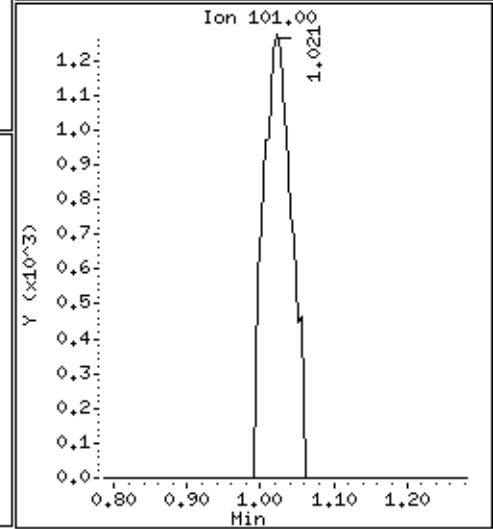
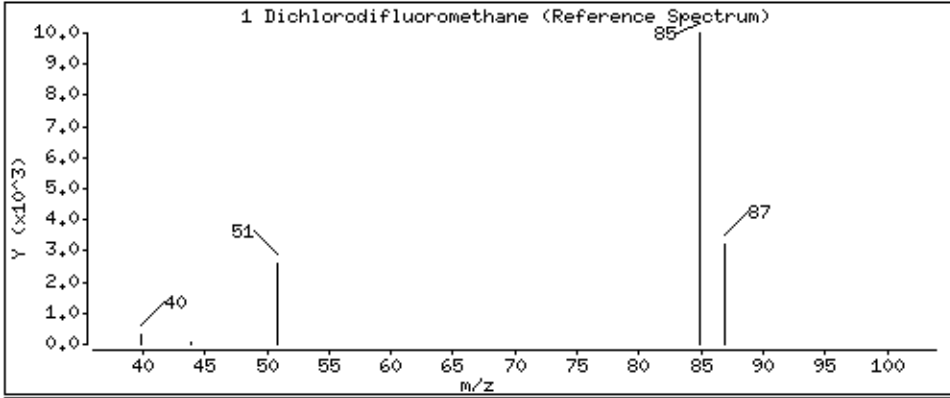
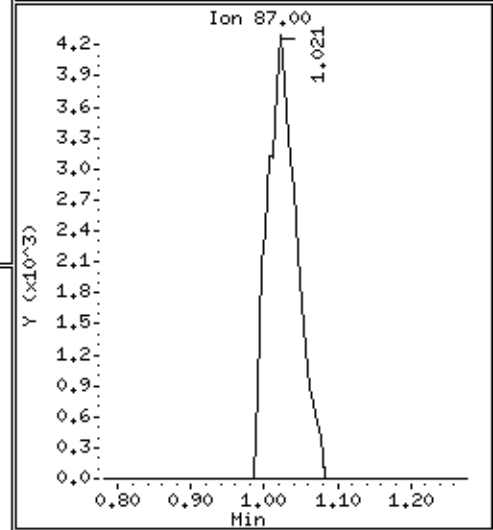
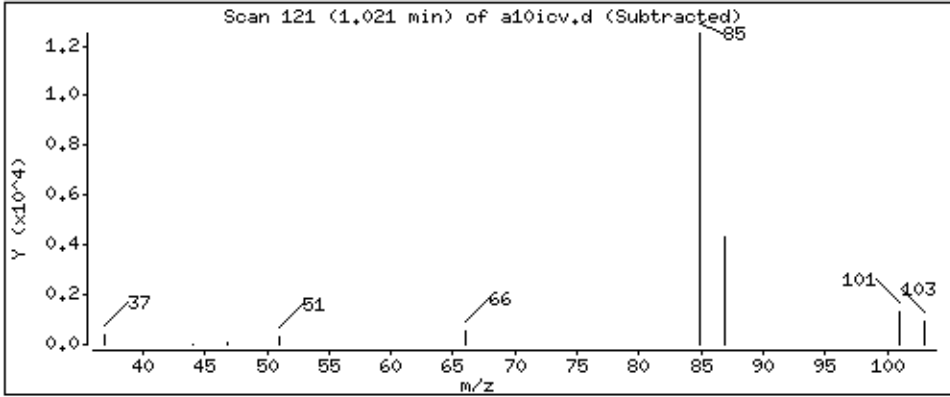
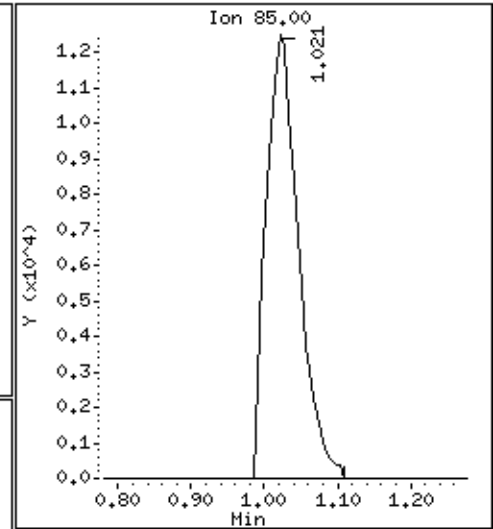
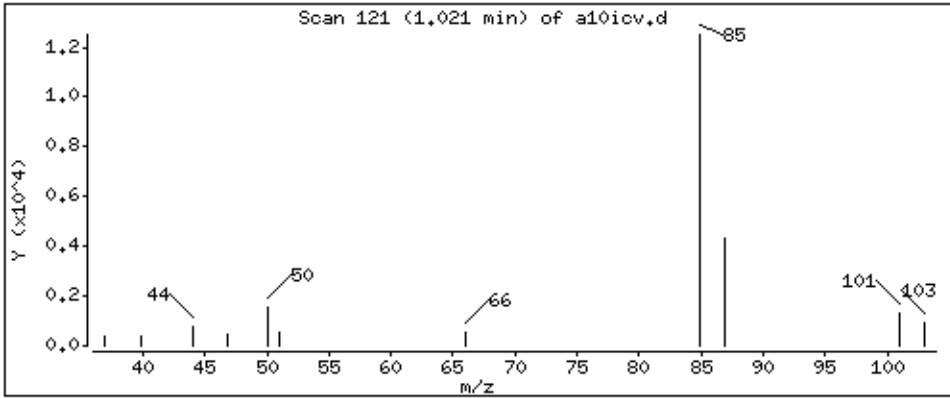
Column phase: DB-624

Column diameter: 0,18

1 Dichlorodifluoromethane

Concentration: 58,0 ppb

Review Code:



Date : 19-JUN-2014 19:38

Client ID: 8260-ICV,71105;0

Instrument: 50mw3a.i

Sample Info: 8260-ICV,71105;0

Purge Volume: 5.0

Operator: jlz

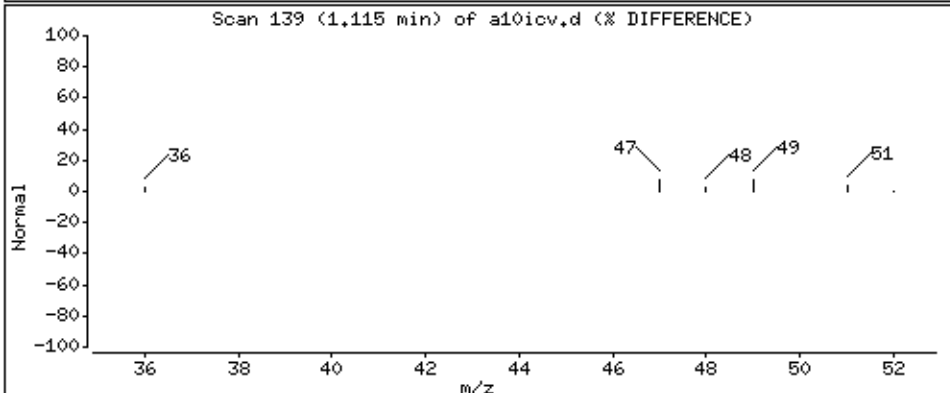
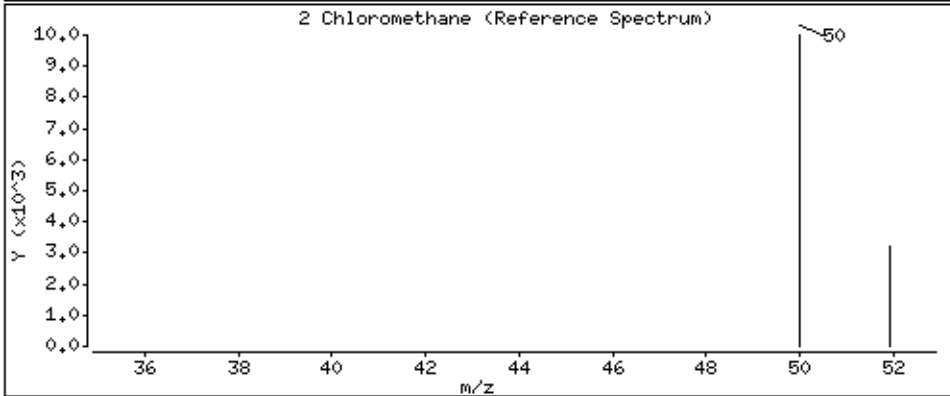
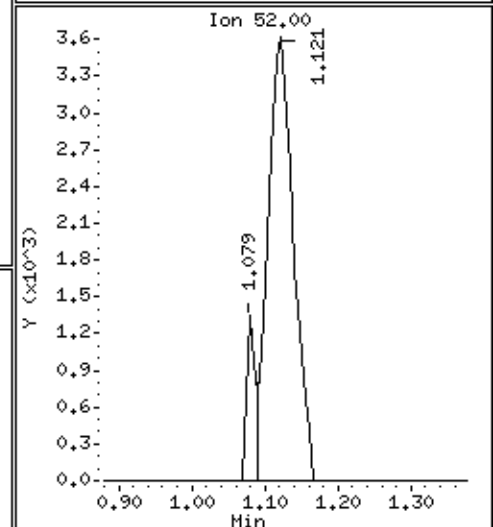
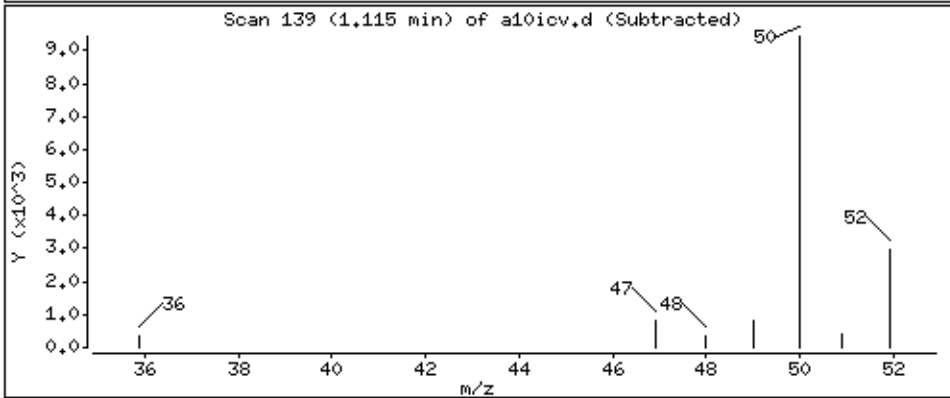
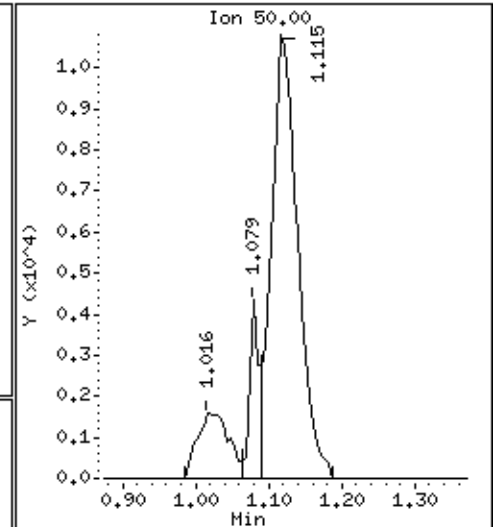
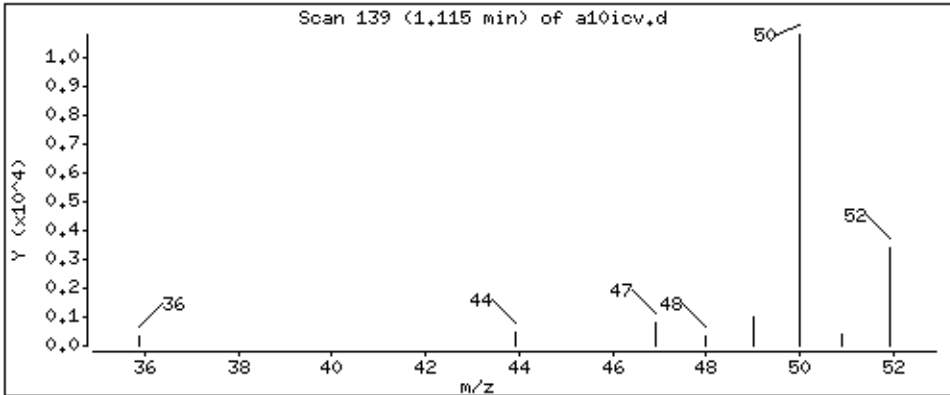
Column phase: DB-624

Column diameter: 0,18

2 Chloromethane

Concentration: 49,0 ppb

Review Code:



Date : 19-JUN-2014 19:38

Client ID: 8260-ICV,71105;0

Instrument: 50mv3a.i

Sample Info: 8260-ICV,71105;0

Purge Volume: 5.0

Operator: jlz

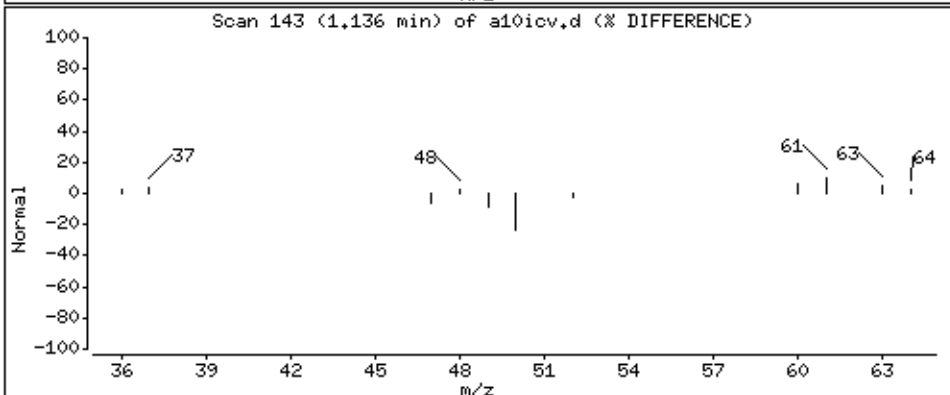
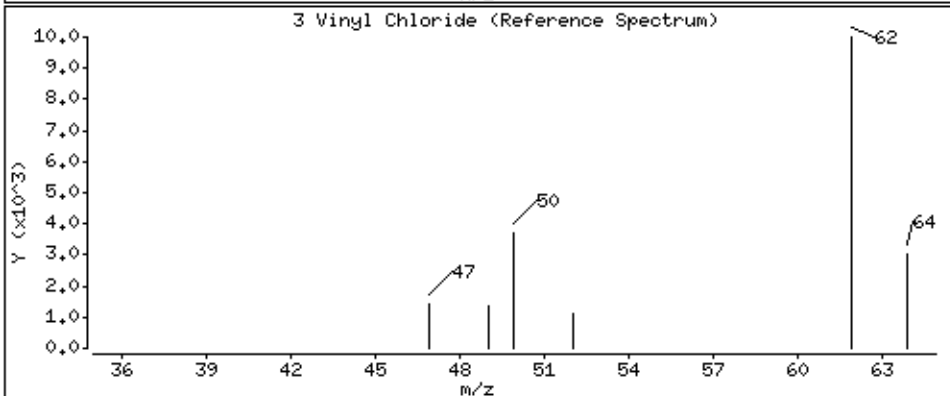
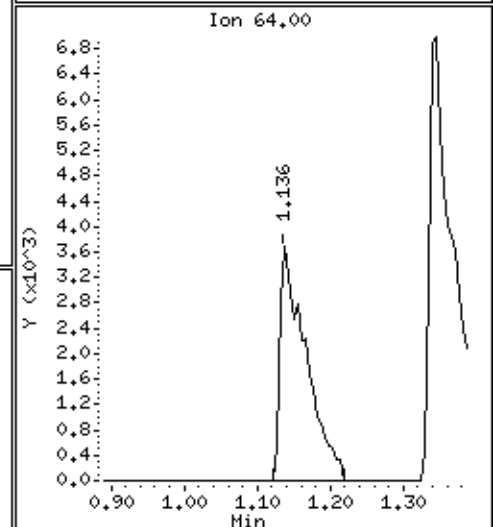
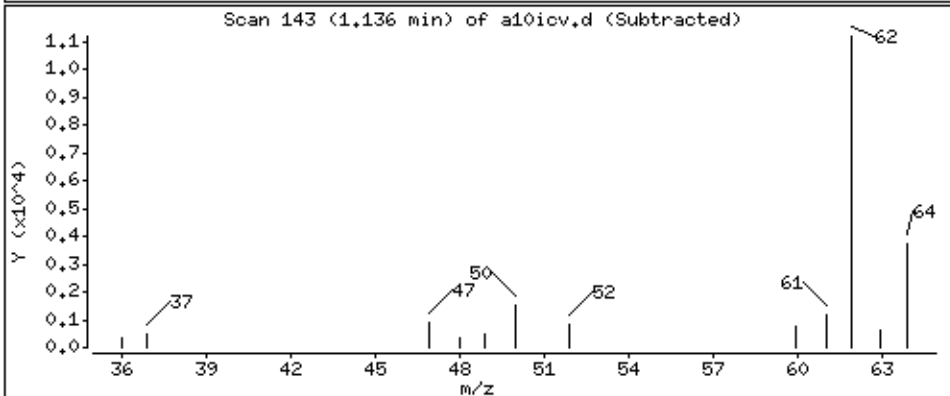
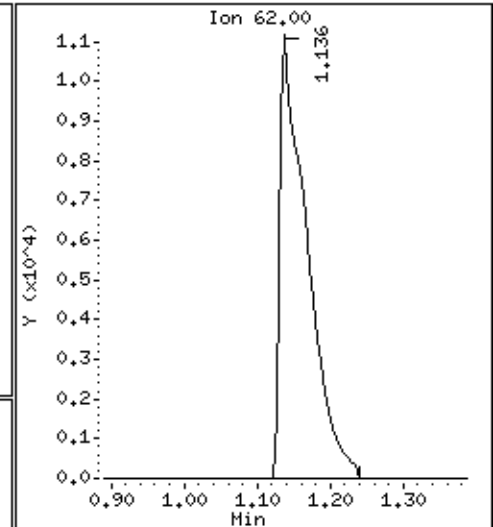
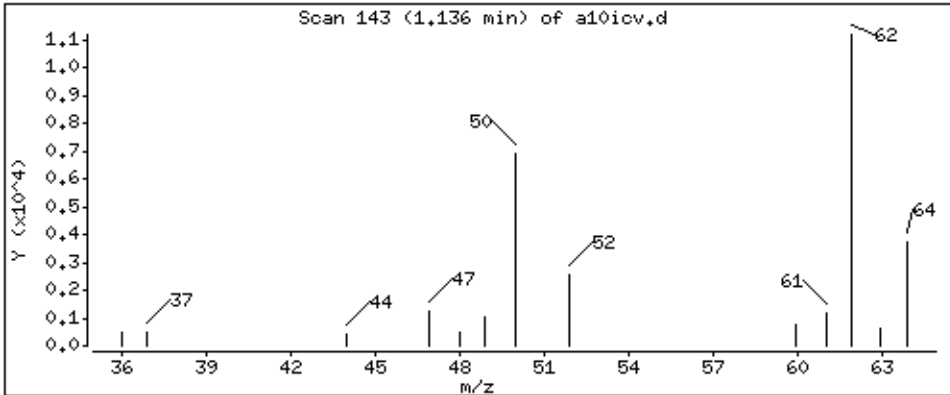
Column phase: DB-624

Column diameter: 0,18

3 Vinyl Chloride

Concentration: 52,3 ppb

Review Code:



Date : 19-JUN-2014 19:38

Client ID: 8260-ICV,71105:0

Instrument: 50mw3a.i

Sample Info: 8260-ICV,71105:0

Purge Volume: 5.0

Operator: jlz

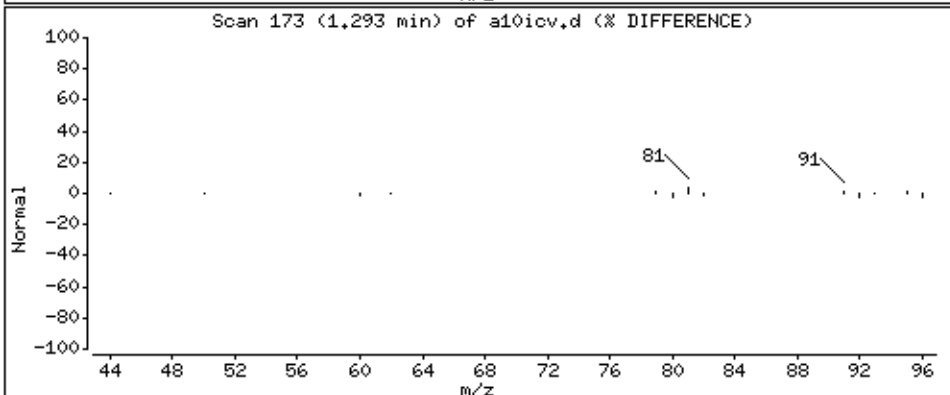
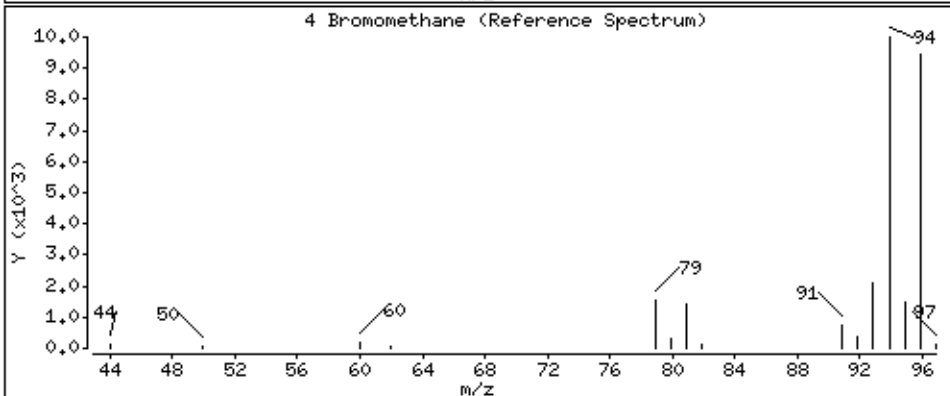
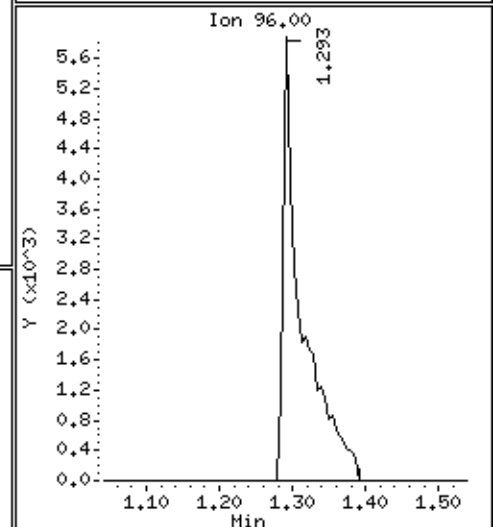
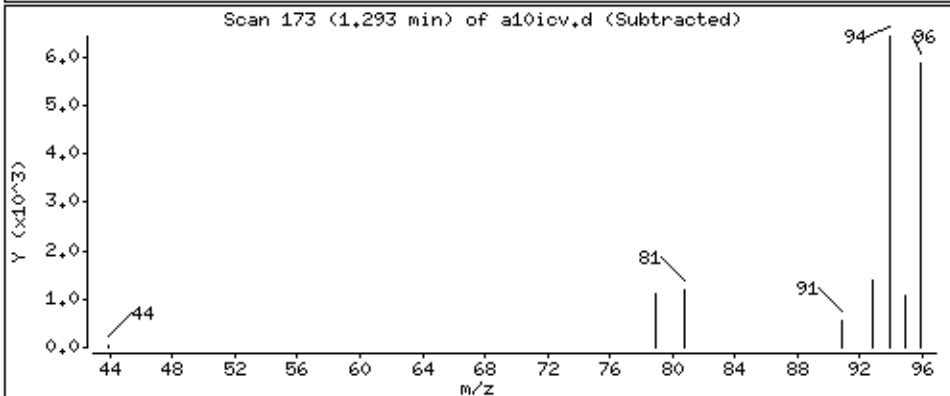
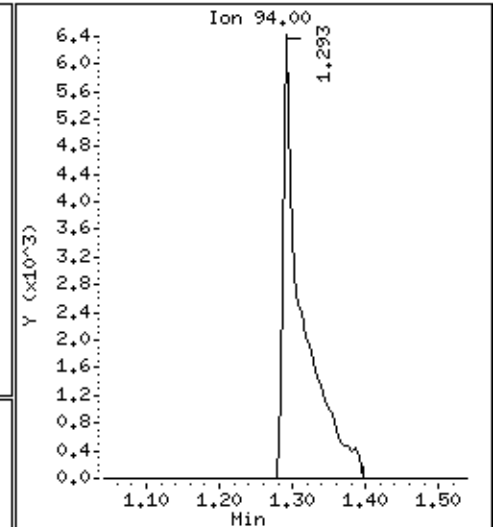
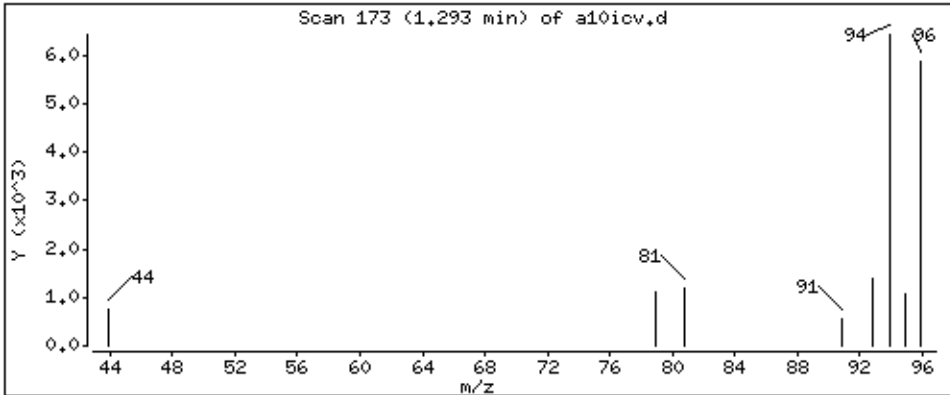
Column phase: DB-624

Column diameter: 0,18

4 Bromomethane

Concentration: 46,6 ppb

Review Code:



Date : 19-JUN-2014 19:38

Client ID: 8260-ICV,71105;0

Instrument: 50mw3a.i

Sample Info: 8260-ICV,71105;0

Purge Volume: 5.0

Operator: jlz

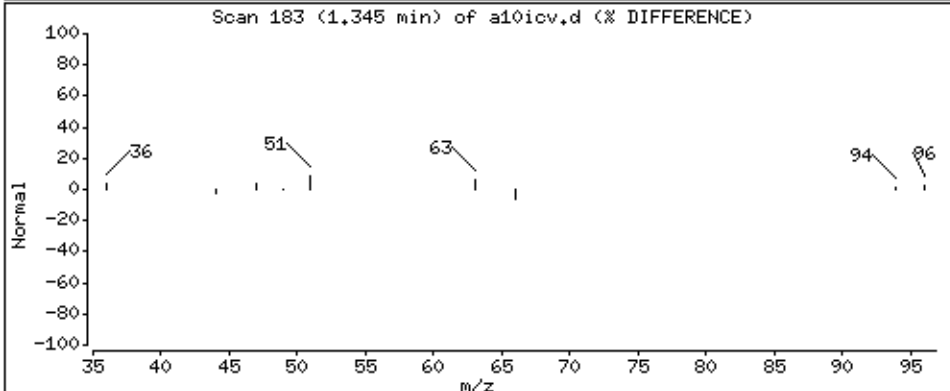
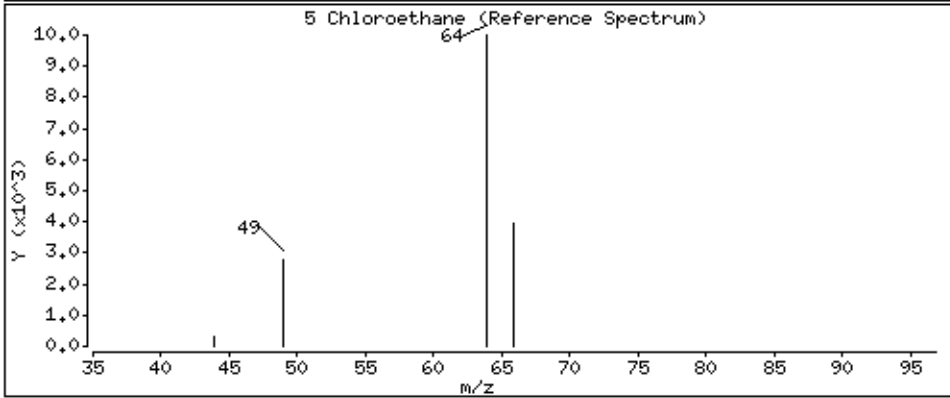
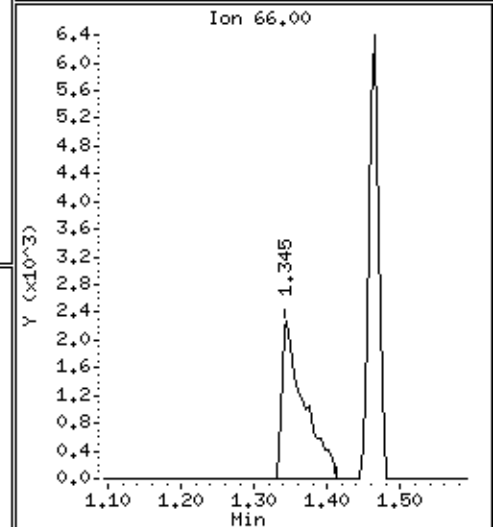
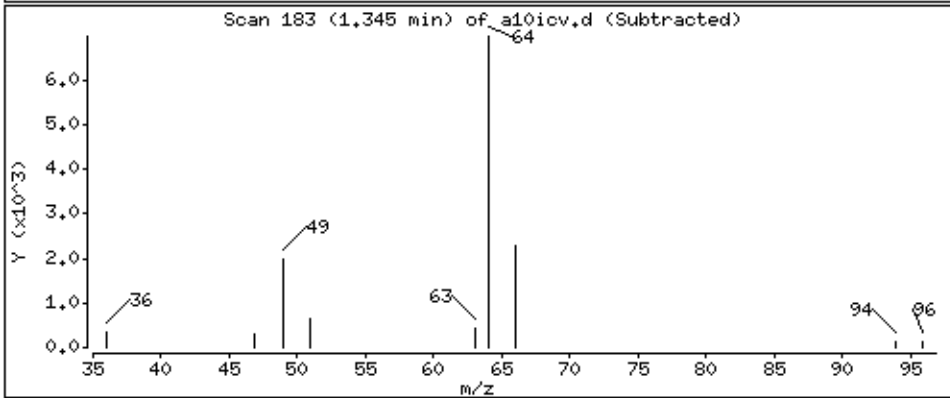
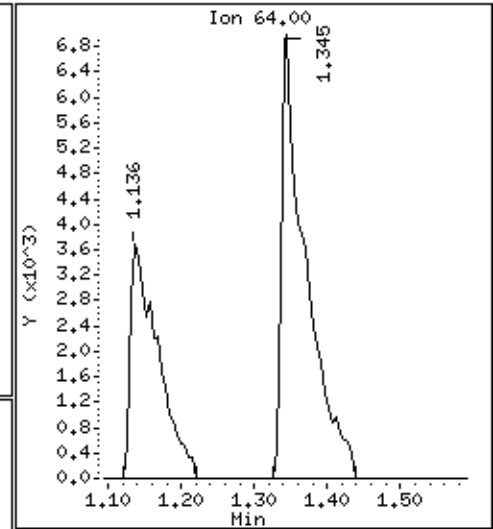
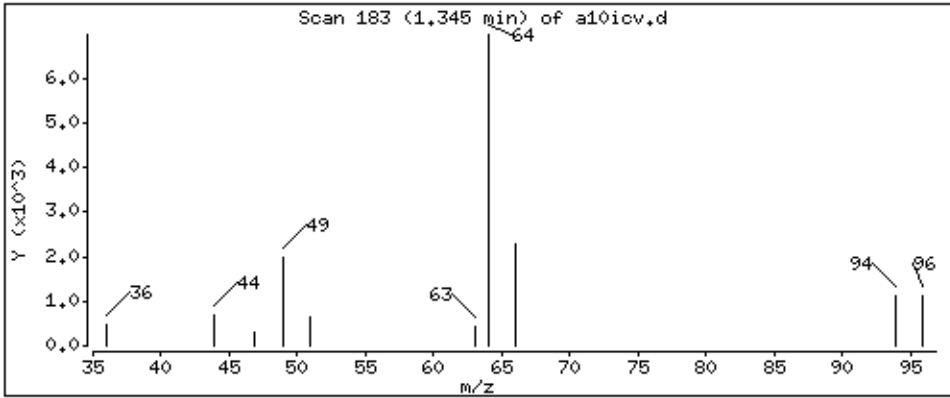
Column phase: DB-624

Column diameter: 0,18

5 Chloroethane

Concentration: 51.7 ppb

Review Code:



Date : 19-JUN-2014 19:38

Client ID: 8260-ICV,71105:0

Instrument: 50mw3a.i

Sample Info: 8260-ICV,71105:0

Purge Volume: 5.0

Operator: jlz

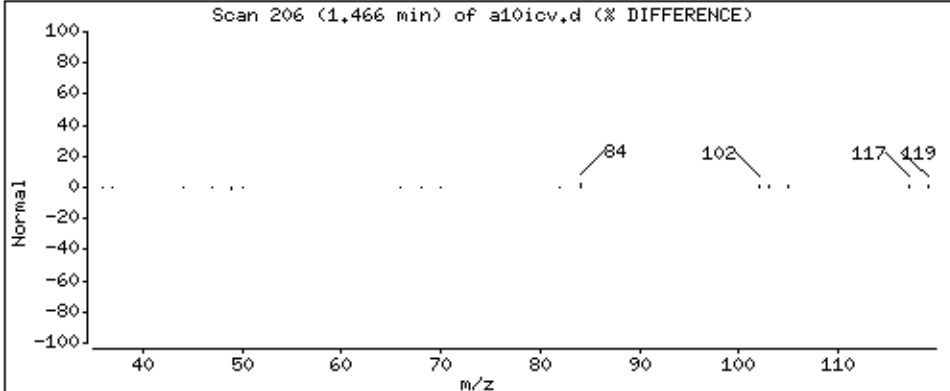
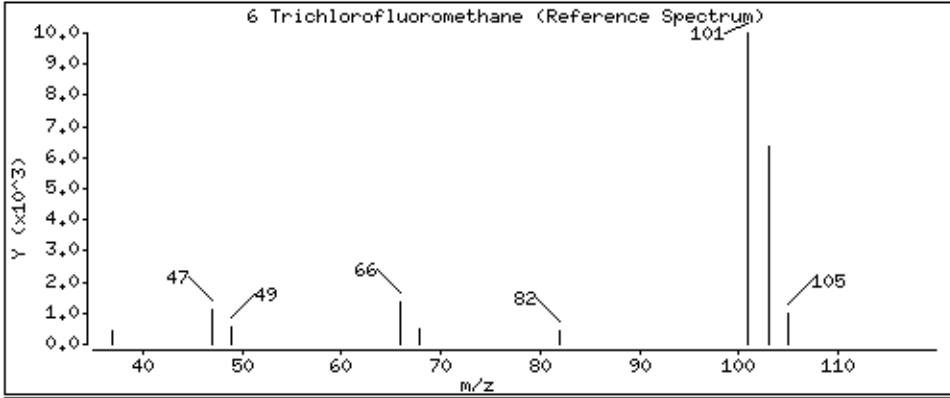
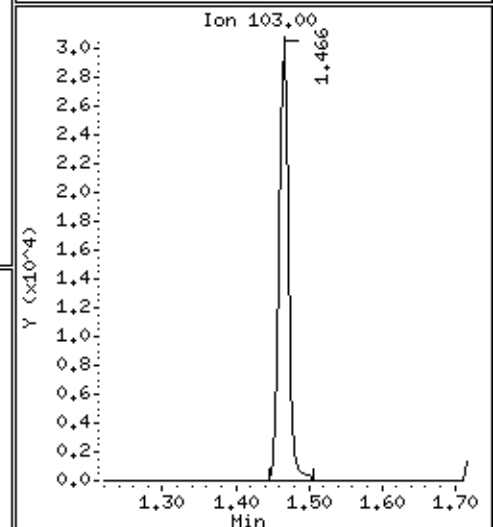
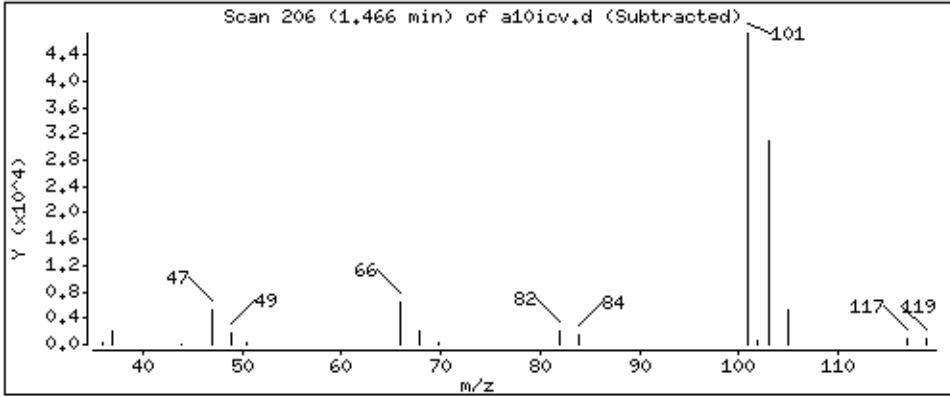
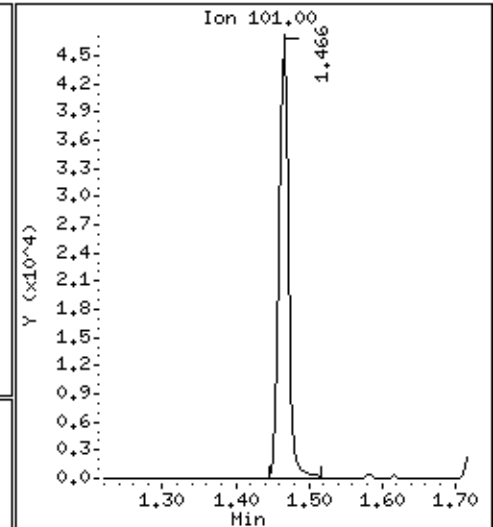
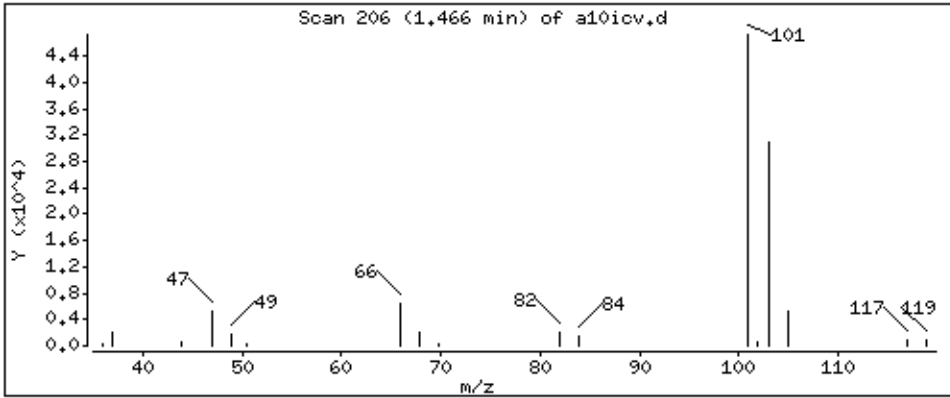
Column phase: DB-624

Column diameter: 0,18

6 Trichlorofluoromethane

Concentration: 49,6 ppb

Review Code:



Date : 19-JUN-2014 19:38

Client ID: 8260-ICV,71105:0

Instrument: 50mw3a.i

Sample Info: 8260-ICV,71105:0

Purge Volume: 5.0

Operator: jlz

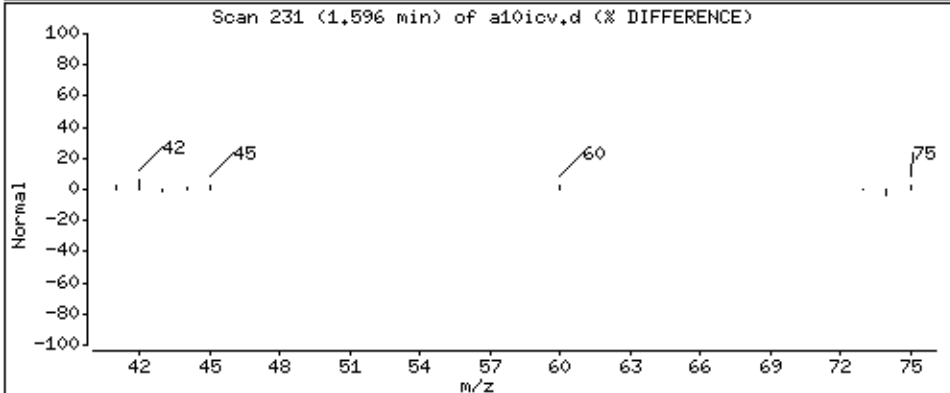
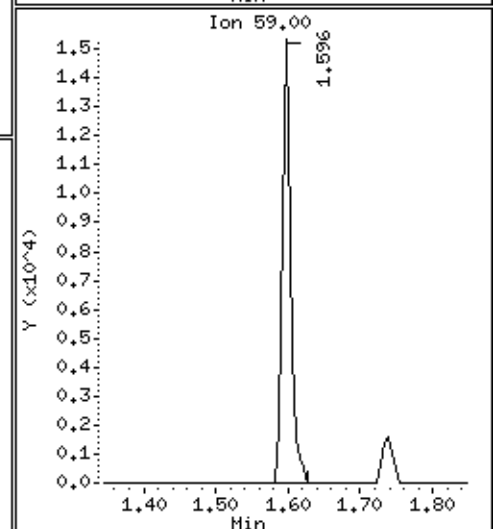
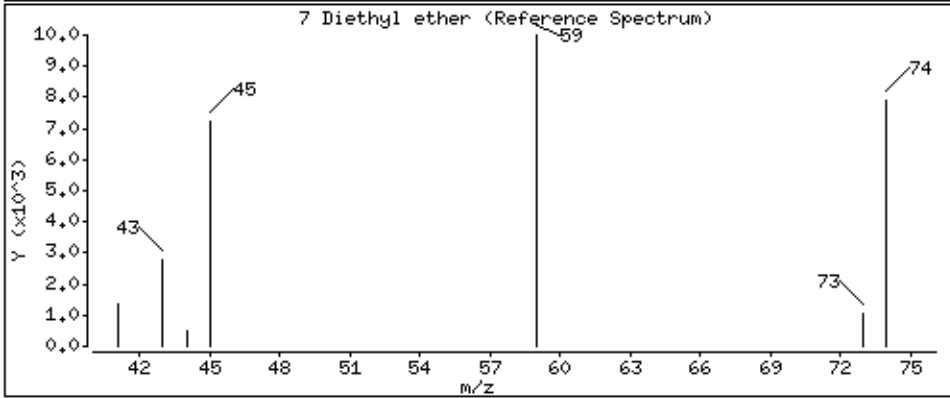
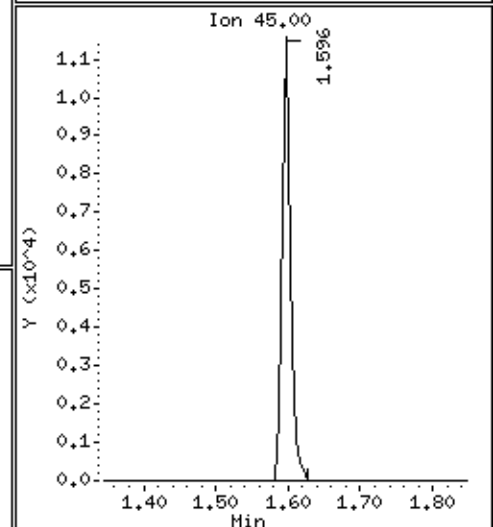
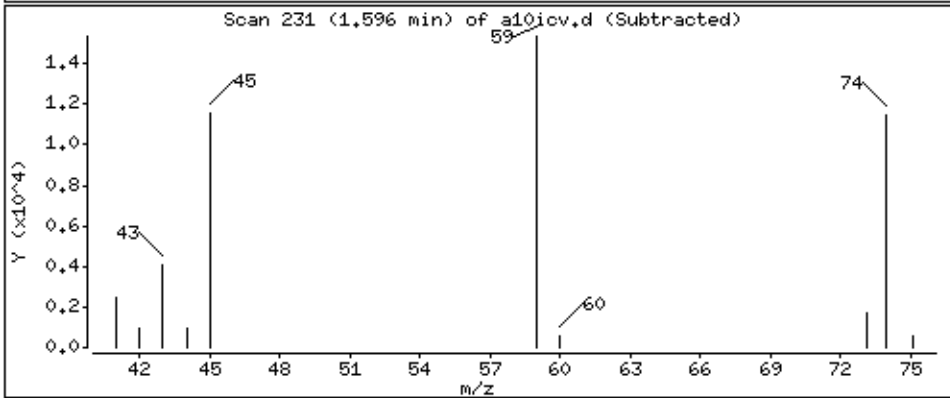
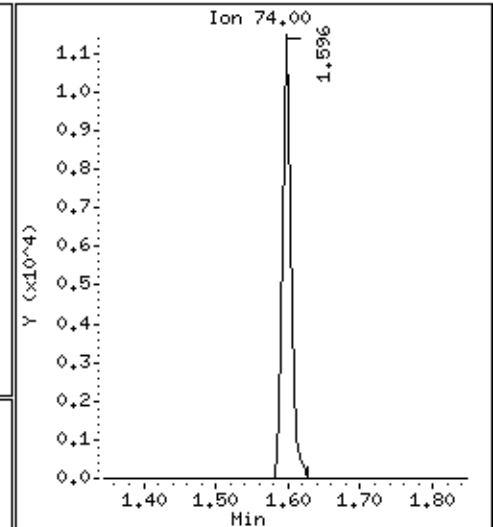
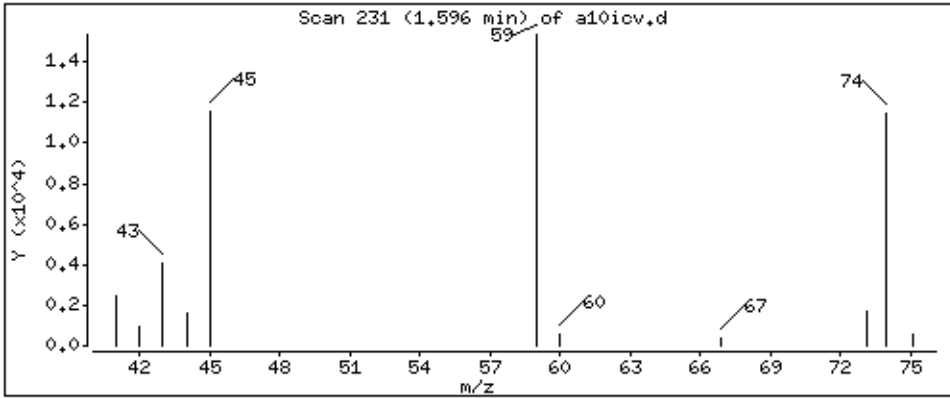
Column phase: DB-624

Column diameter: 0,18

7 Diethyl ether

Concentration: 47.3 ppb

Review Code:



Date : 19-JUN-2014 19:38

Client ID: 8260-ICV,71105;0

Instrument: 50mw3a.i

Sample Info: 8260-ICV,71105;0

Purge Volume: 5.0

Operator: jlz

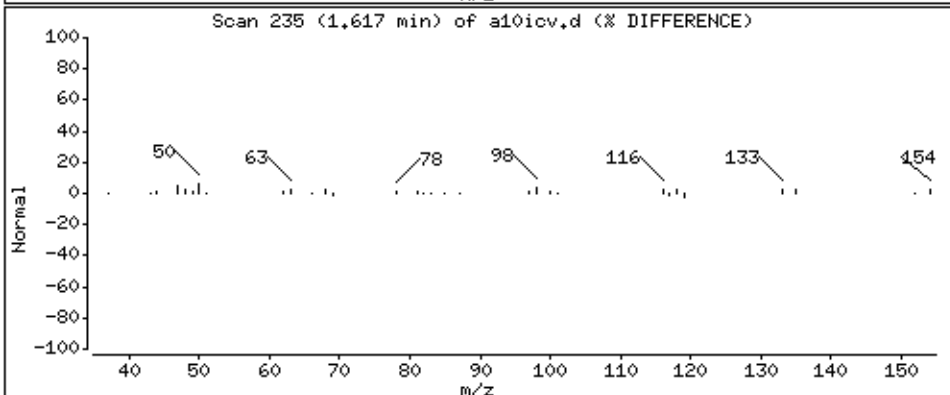
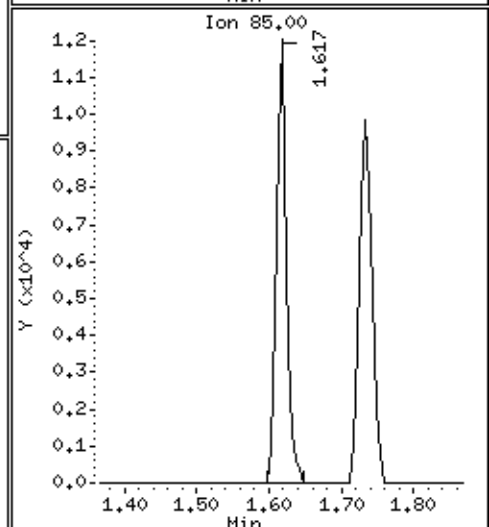
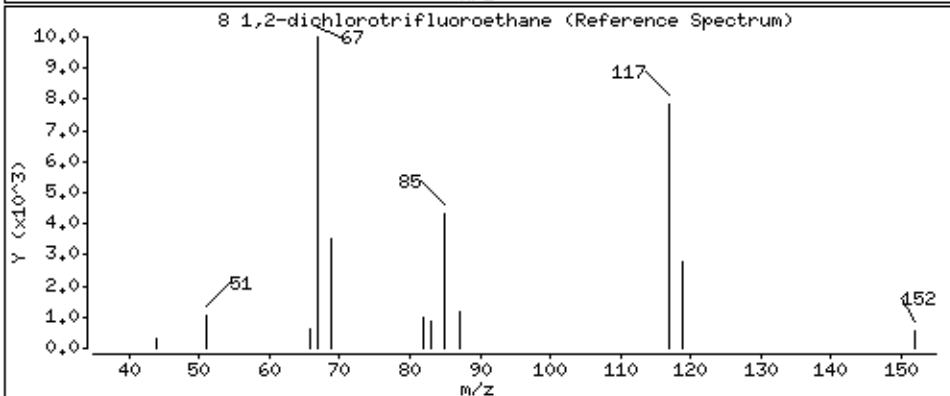
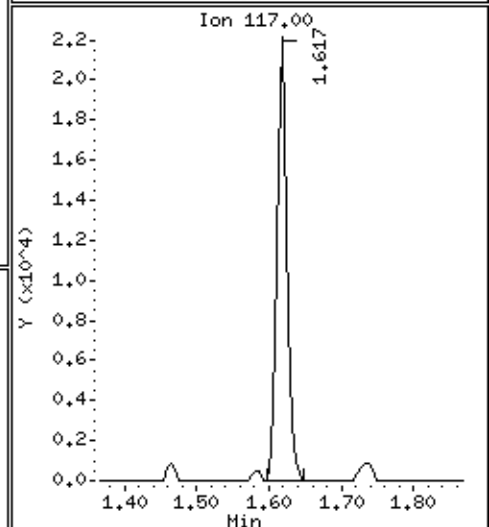
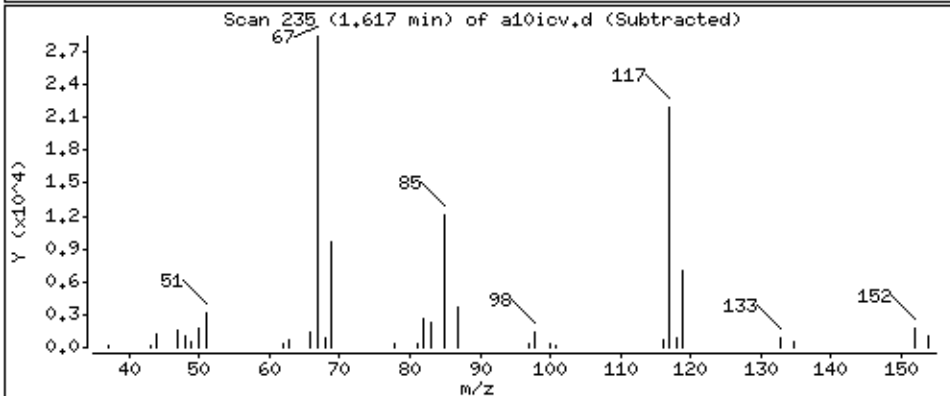
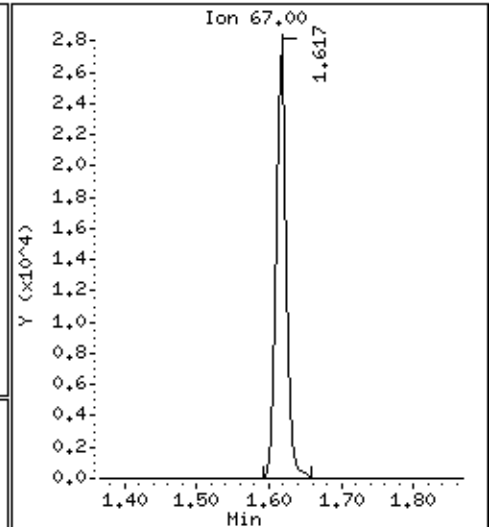
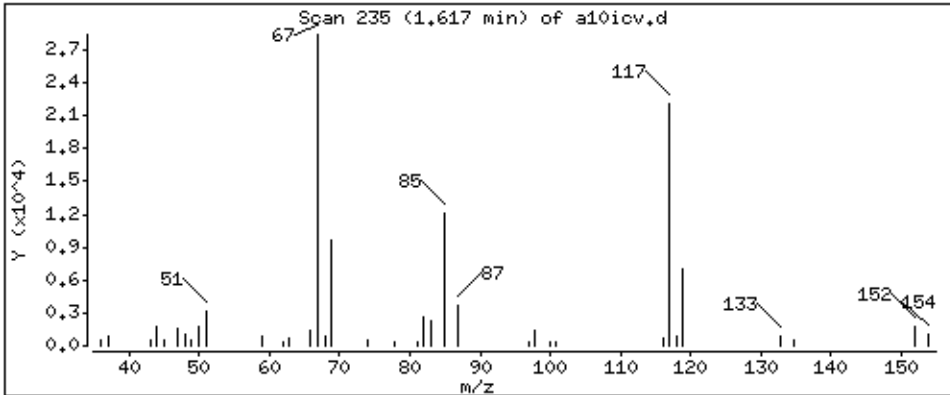
Column phase: DB-624

Column diameter: 0,18

8 1,2-dichlorotrifluoroethane

Concentration: 45,6 ppb

Review Code:



Date : 19-JUN-2014 19:38

Client ID: 8260-ICV,71105;0

Instrument: 50mv3a.i

Sample Info: 8260-ICV,71105;0

Purge Volume: 5.0

Operator: jlz

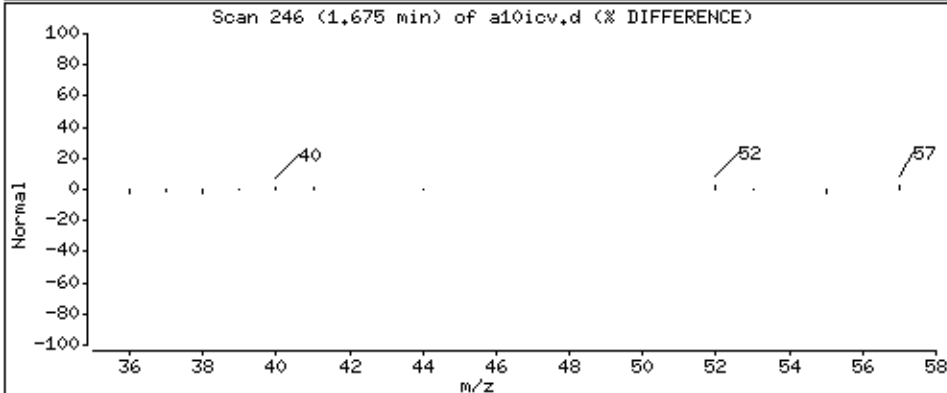
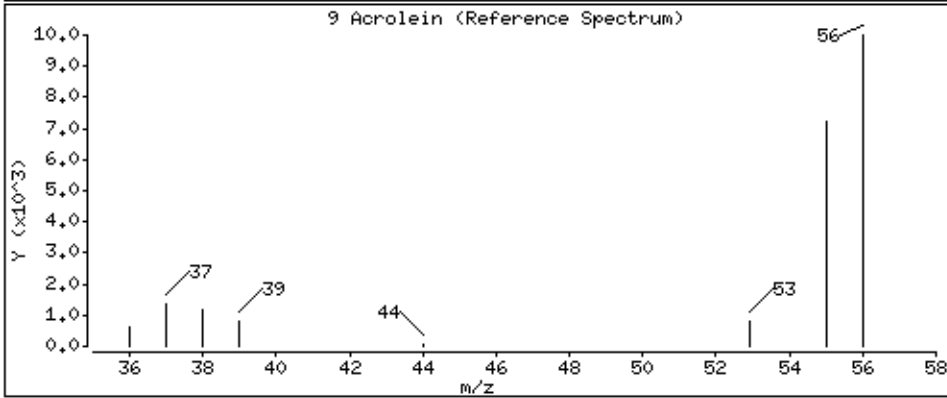
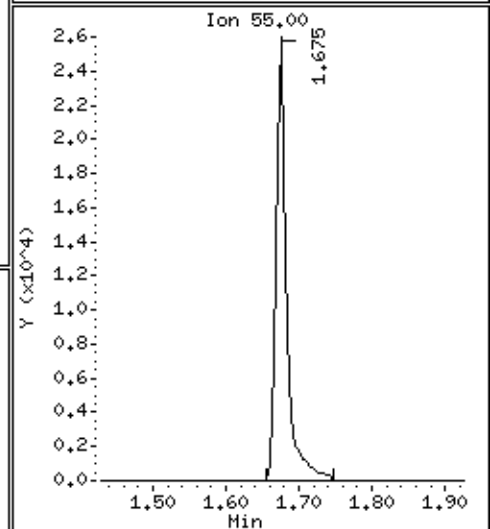
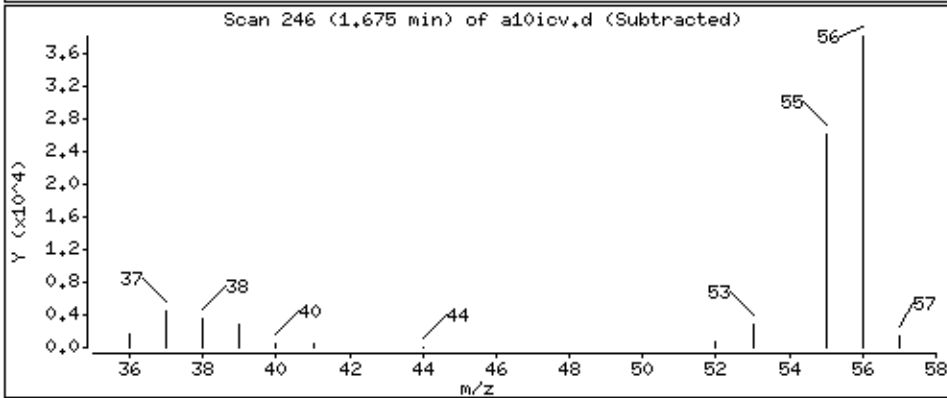
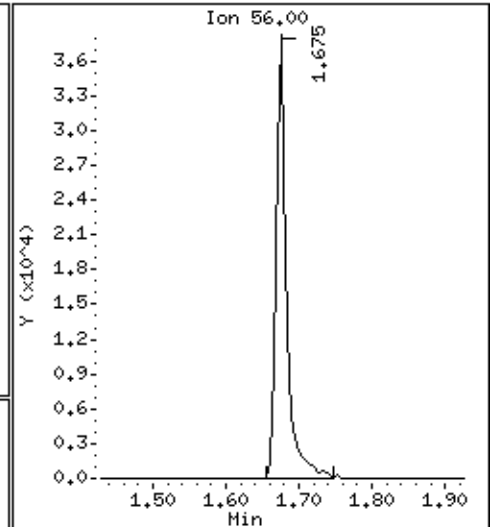
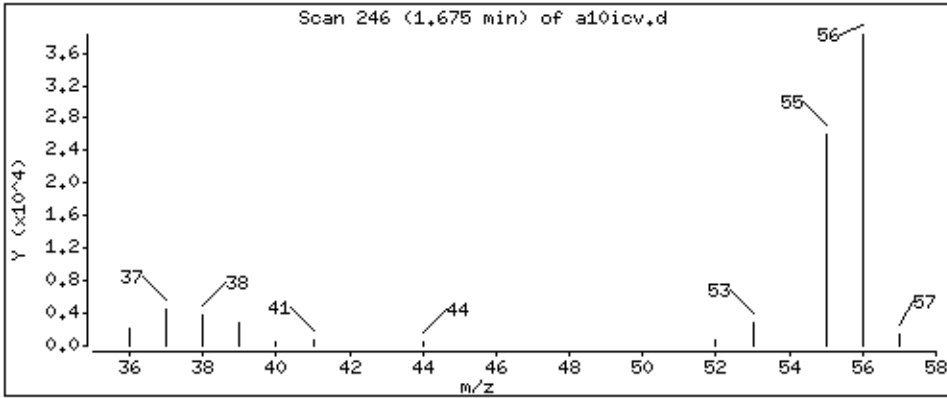
Column phase: DB-624

Column diameter: 0,18

9 Acrolein

Concentration: 1250 ppb

Review Code:



Date : 19-JUN-2014 19:38

Client ID: 8260-ICV,71105;0

Instrument: 50mv3a.i

Sample Info: 8260-ICV,71105;0

Purge Volume: 5.0

Operator: jlz

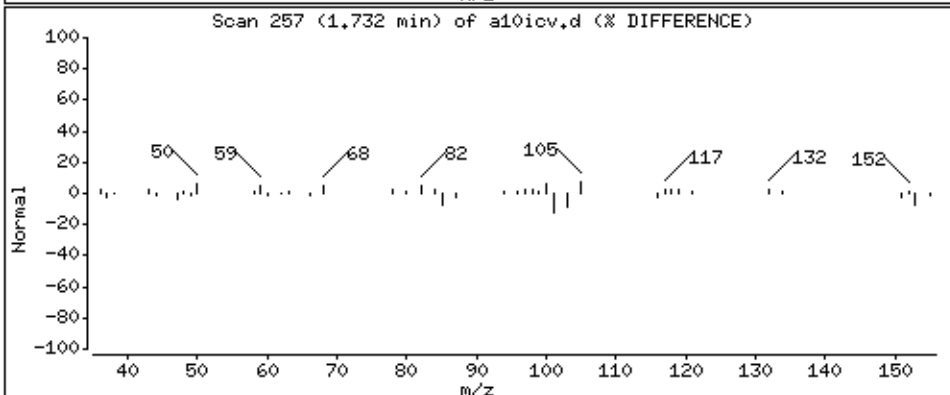
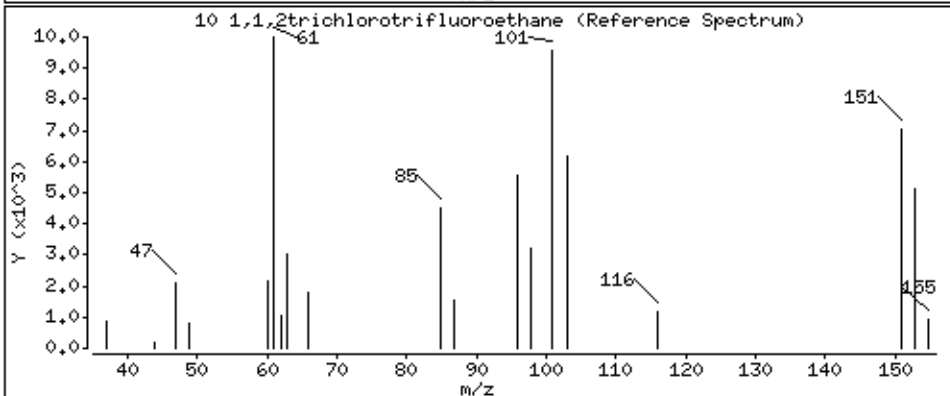
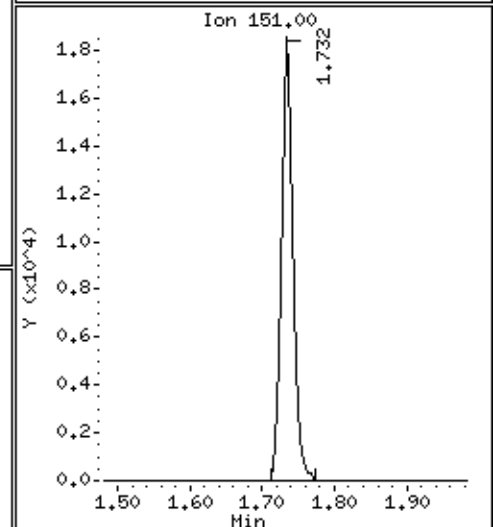
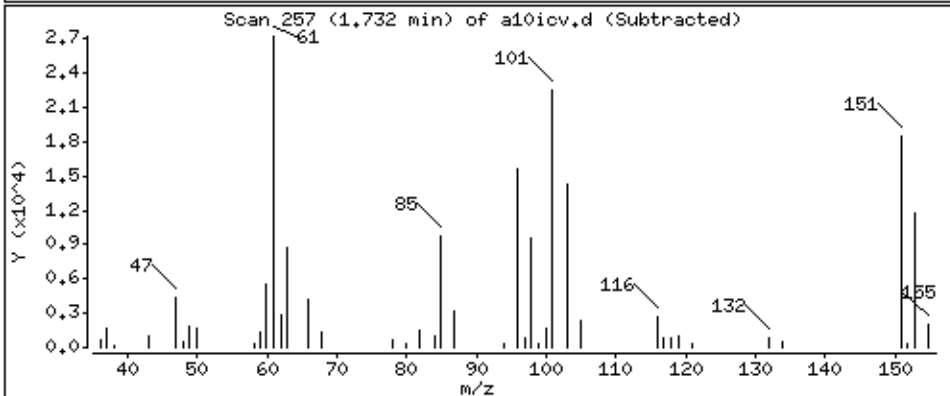
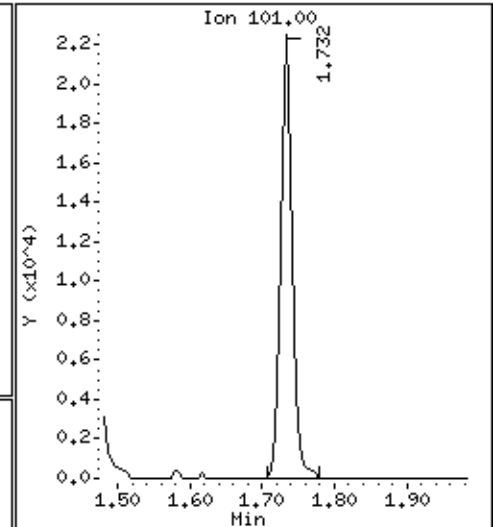
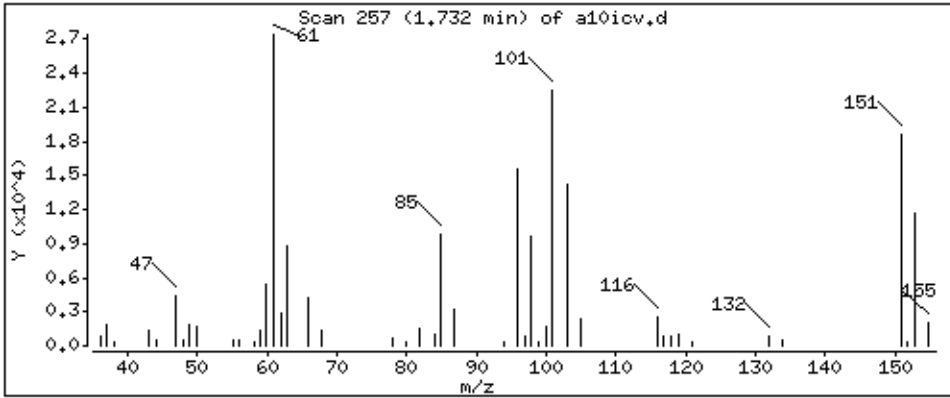
Column phase: DB-624

Column diameter: 0,18

10 1,1,2trichlorotrifluoroethane

Concentration: 49.0 ppb

Review Code:



Date : 19-JUN-2014 19:38

Client ID: 8260-ICV,71105;0

Instrument: 50mv3a.i

Sample Info: 8260-ICV,71105;0

Purge Volume: 5.0

Operator: jlz

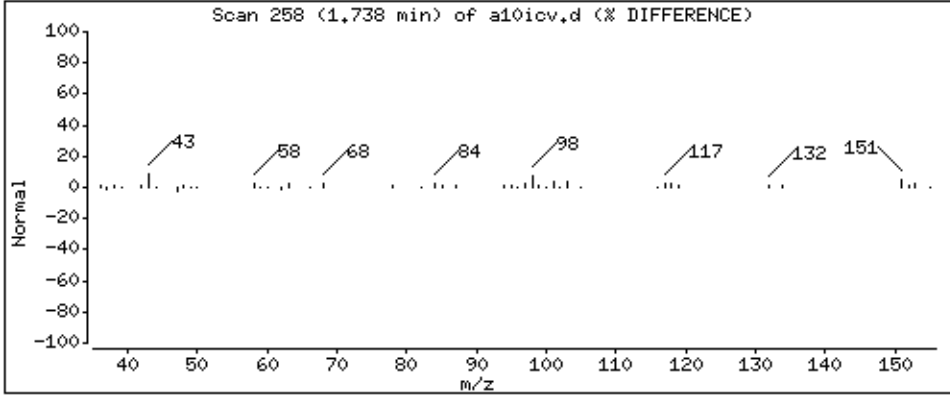
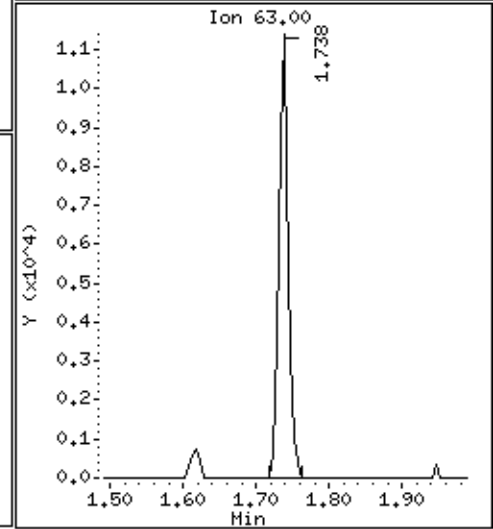
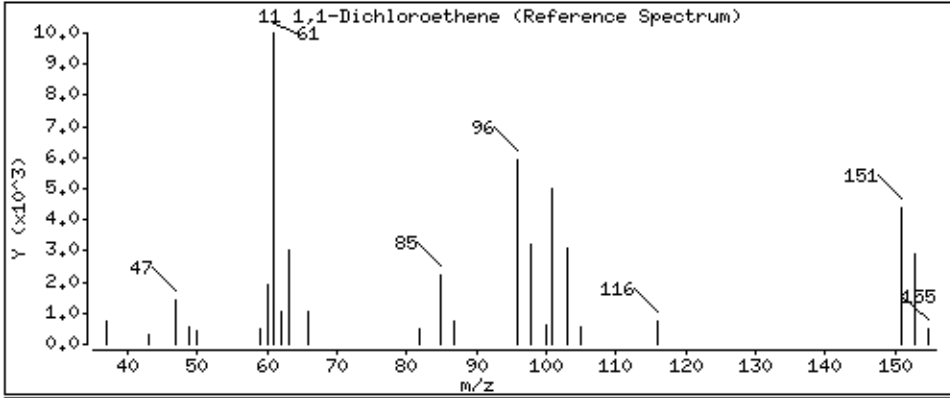
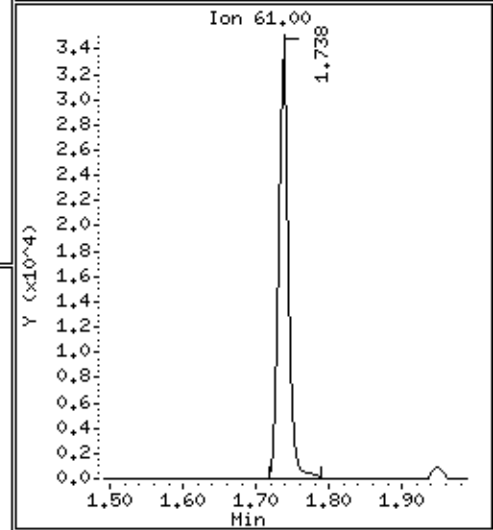
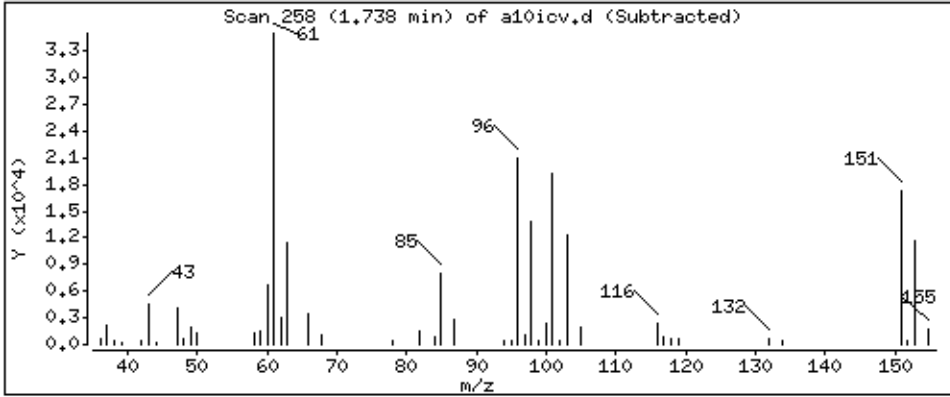
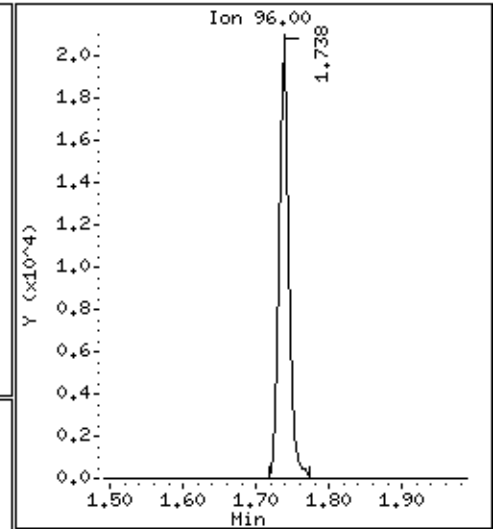
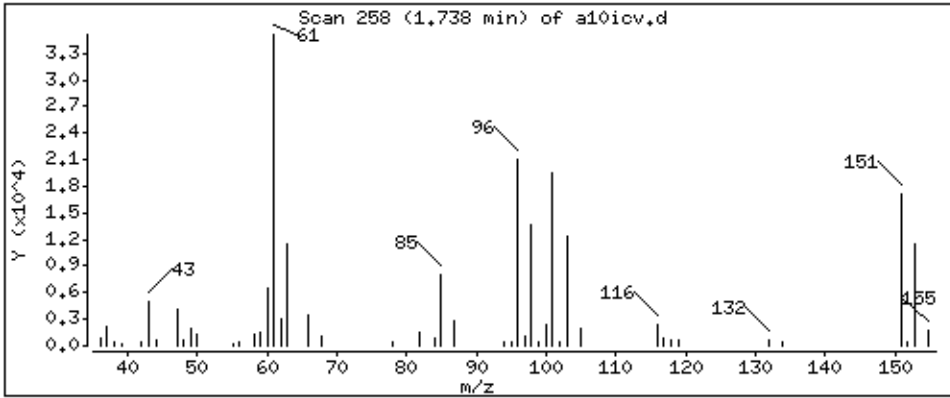
Column phase: DB-624

Column diameter: 0,18

11 1,1-Dichloroethene

Concentration: 44,7 ppb

Review Code:



Date : 19-JUN-2014 19:38

Client ID: 8260-ICV,71105;0

Instrument: 50mv3a.i

Sample Info: 8260-ICV,71105;0

Purge Volume: 5.0

Operator: jlz

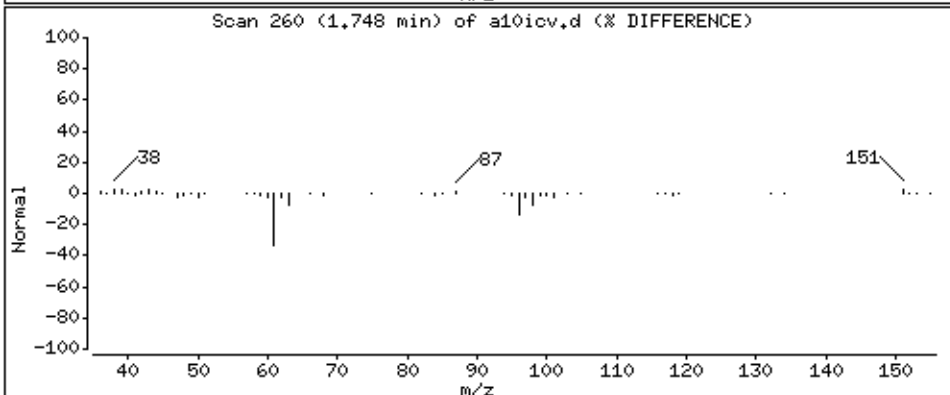
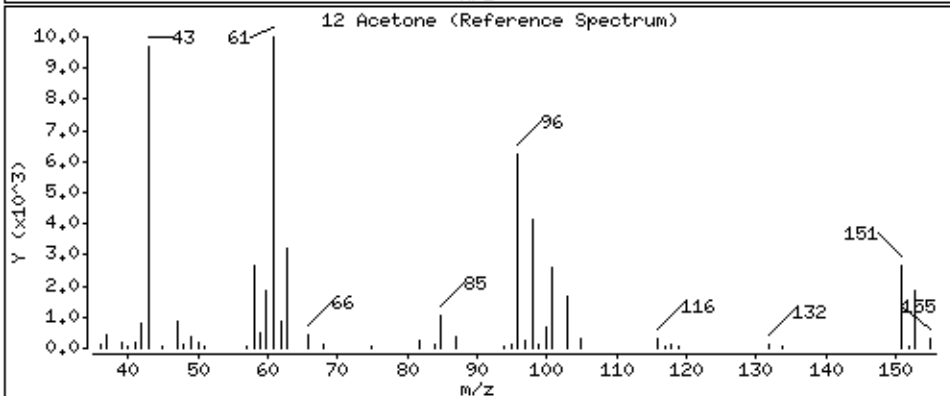
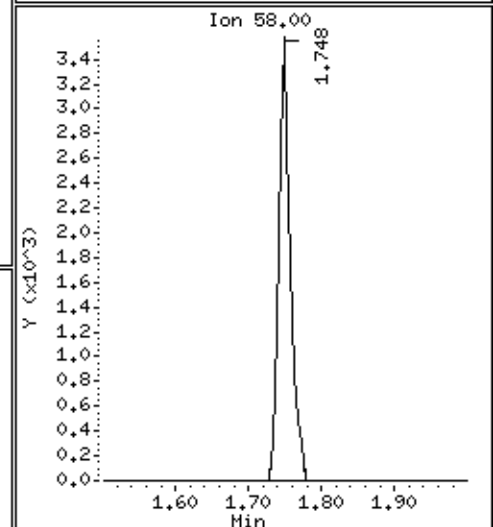
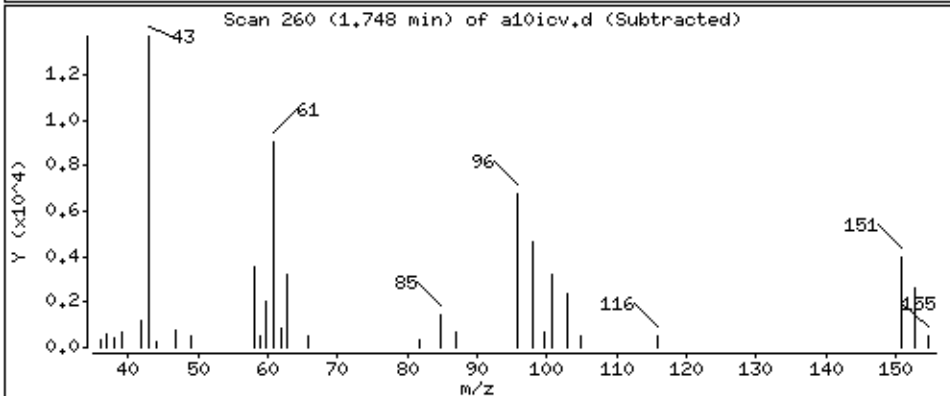
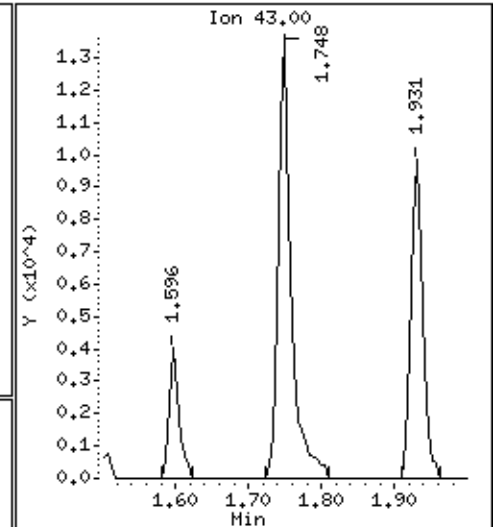
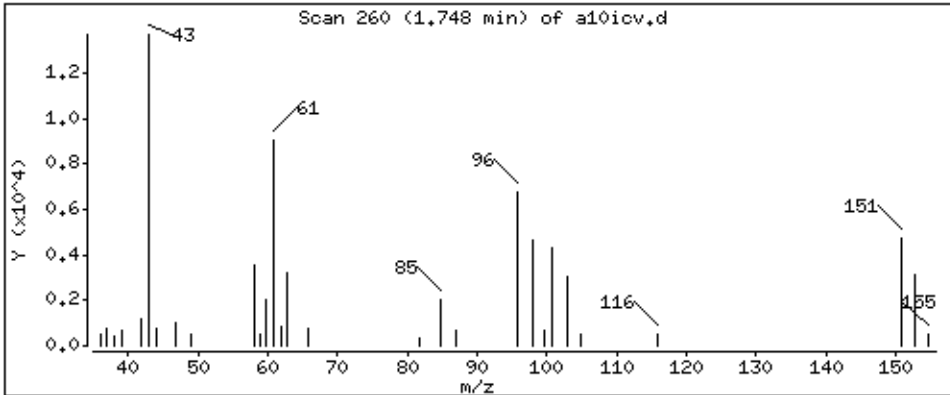
Column phase: DB-624

Column diameter: 0,18

12 Acetone

Concentration: 236 ppb

Review Code:



Date : 19-JUN-2014 19:38

Client ID: 8260-ICV,71105;0

Instrument: 50mw3a,i

Sample Info: 8260-ICV,71105;0

Purge Volume: 5.0

Operator: jlz

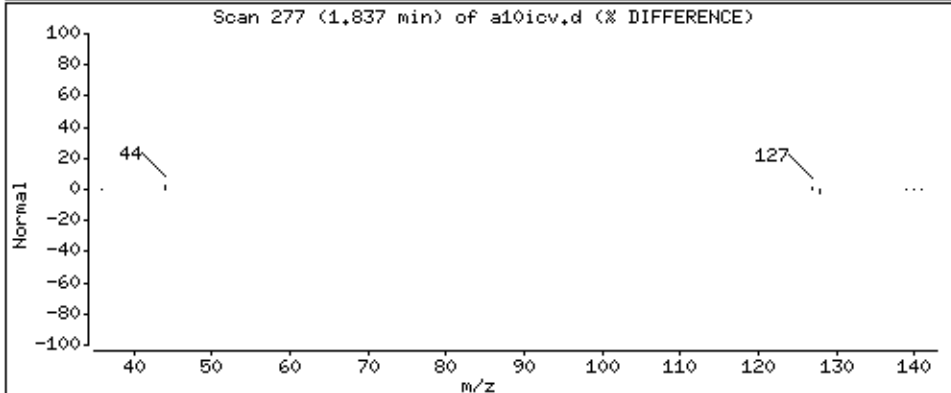
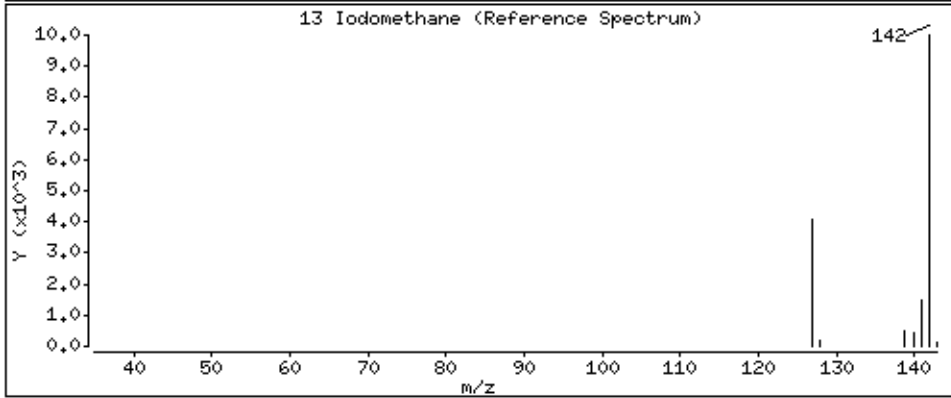
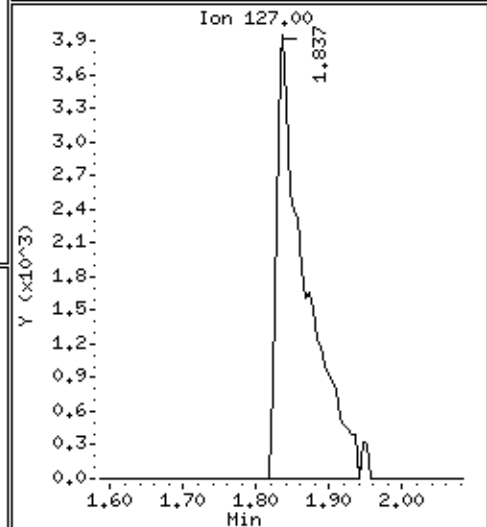
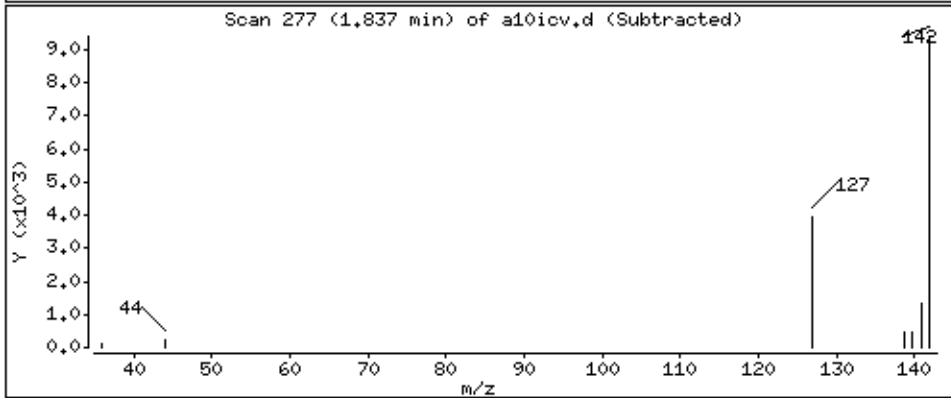
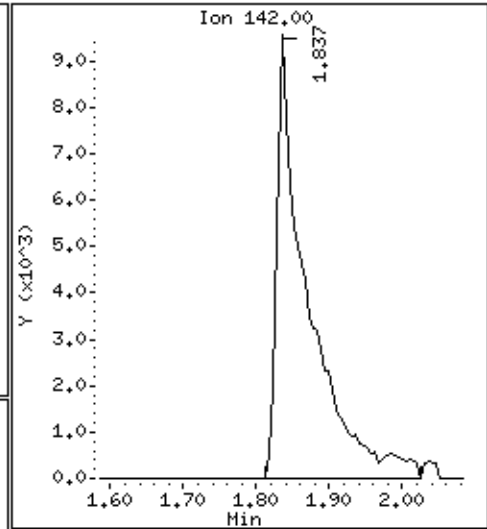
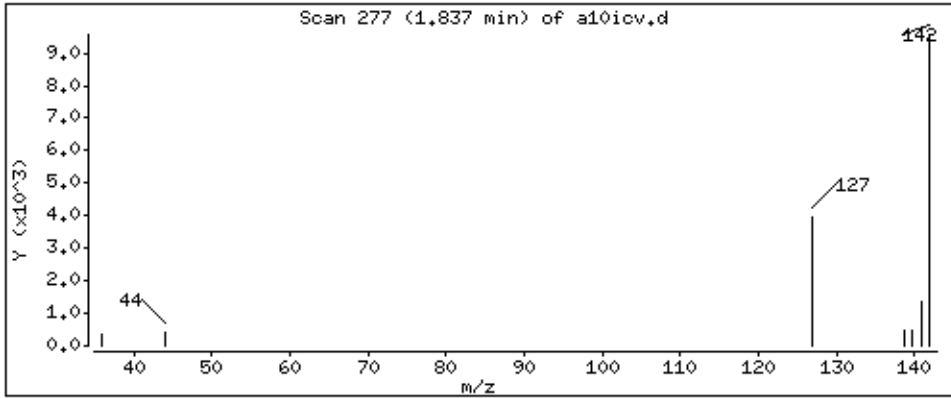
Column phase: DB-624

Column diameter: 0,18

13 Iodomethane

Concentration: 92.4 ppb

Review Code:



Date : 19-JUN-2014 19:38

Client ID: 8260-ICV,71105;0

Instrument: 50mw3a.i

Sample Info: 8260-ICV,71105;0

Purge Volume: 5.0

Operator: jlz

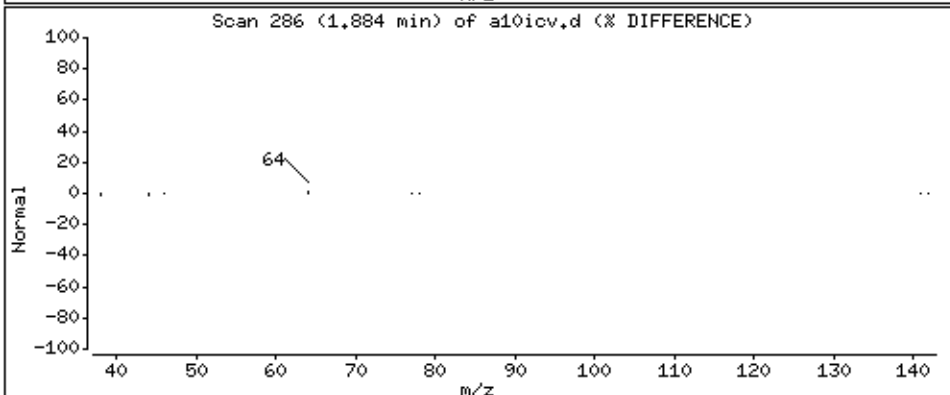
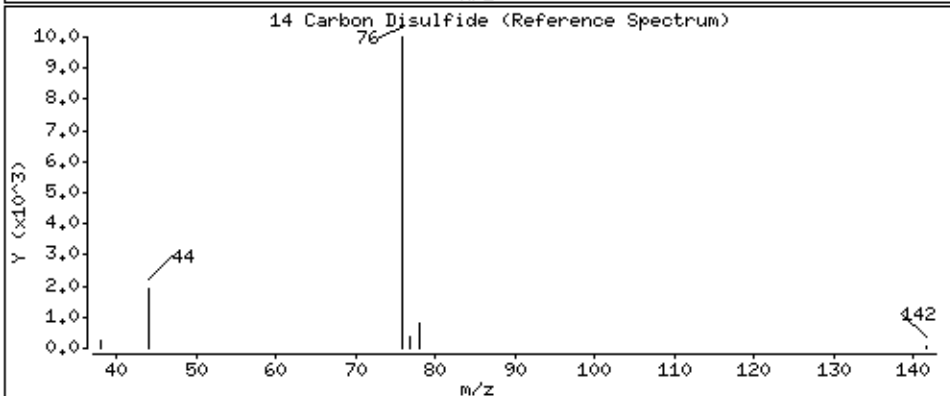
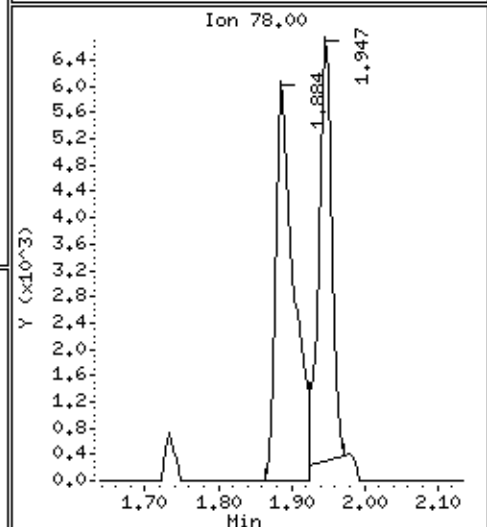
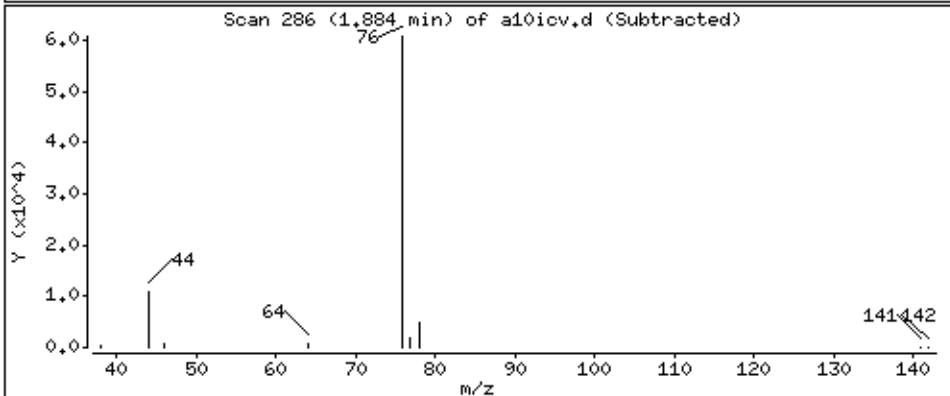
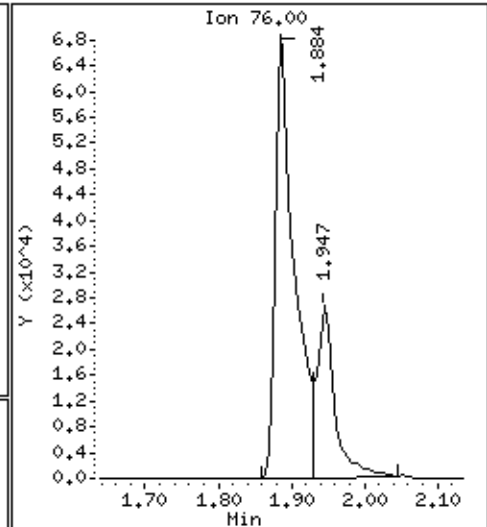
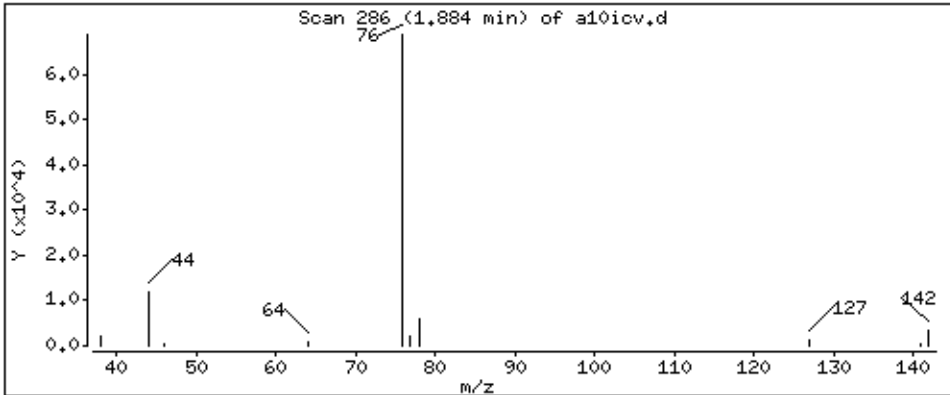
Column phase: DB-624

Column diameter: 0,18

14 Carbon Disulfide

Concentration: 95,2 ppb

Review Code:



Date : 19-JUN-2014 19:38

Client ID: 8260-ICV,71105;0

Instrument: 50mw3a.i

Sample Info: 8260-ICV,71105;0

Purge Volume: 5.0

Operator: jlz

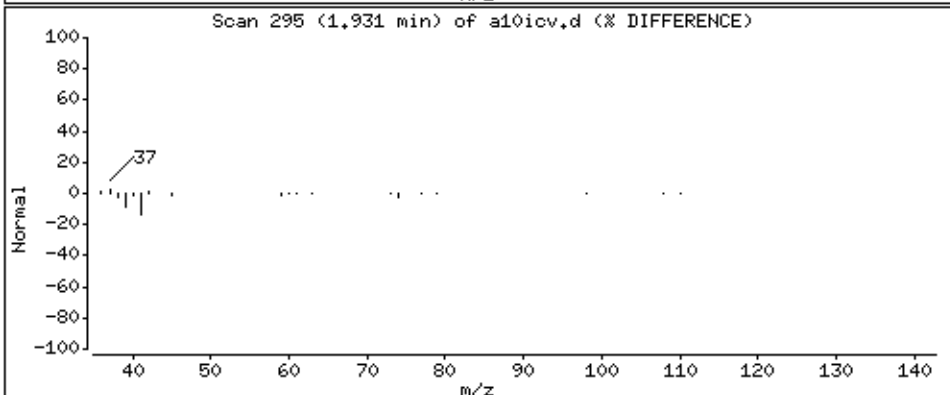
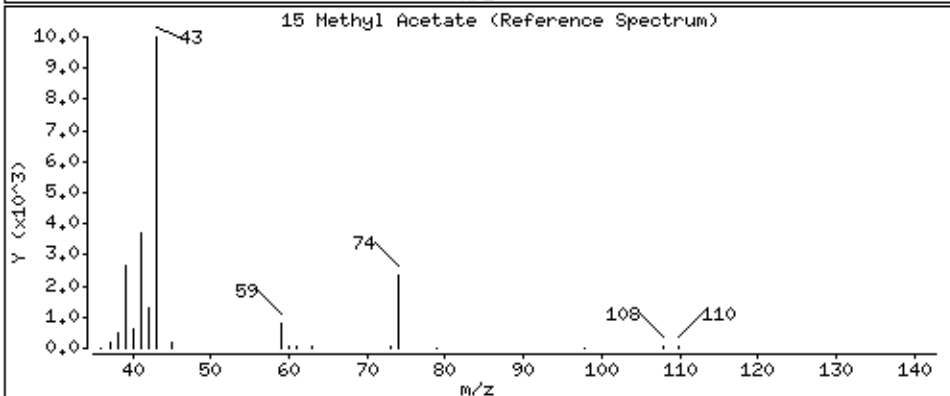
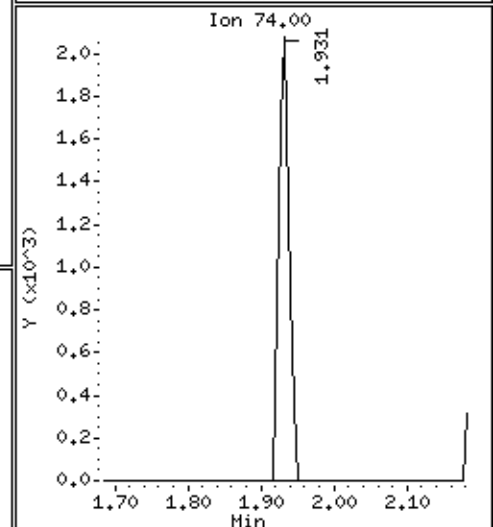
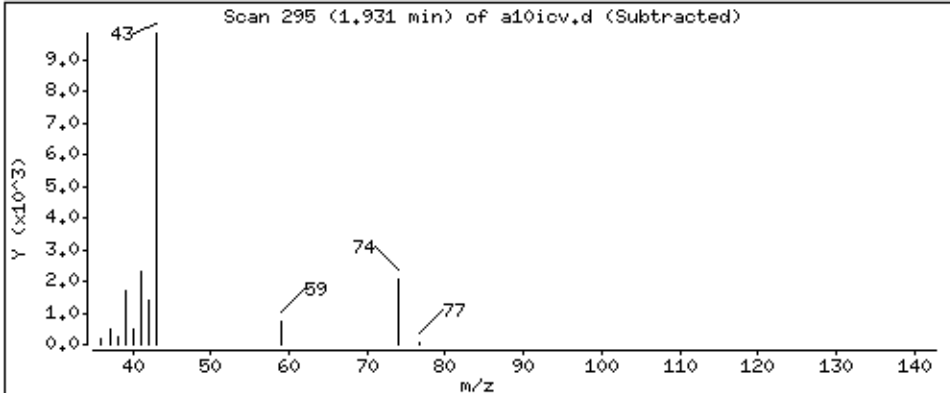
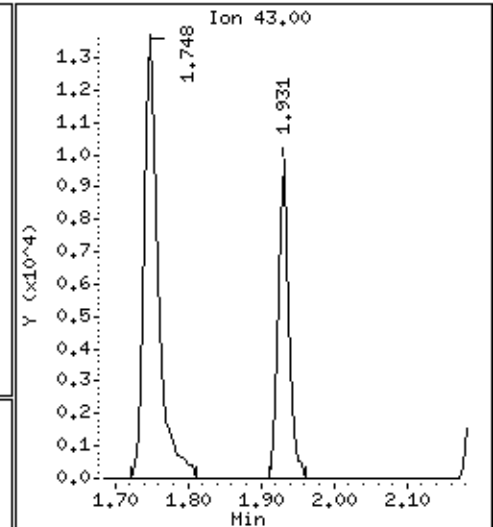
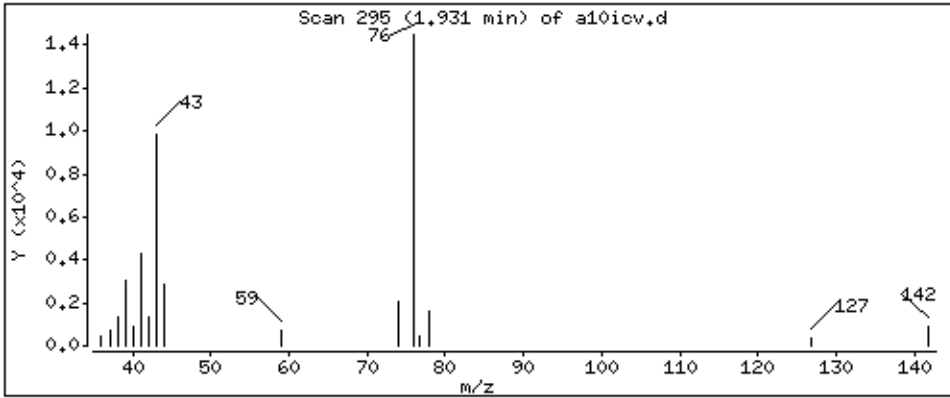
Column phase: DB-624

Column diameter: 0,18

15 Methyl Acetate

Concentration: 55,6 ppb

Review Code:



Date : 19-JUN-2014 19:38

Client ID: 8260-ICV,71105;0

Instrument: 50mw3a.i

Sample Info: 8260-ICV,71105;0

Purge Volume: 5.0

Operator: jlz

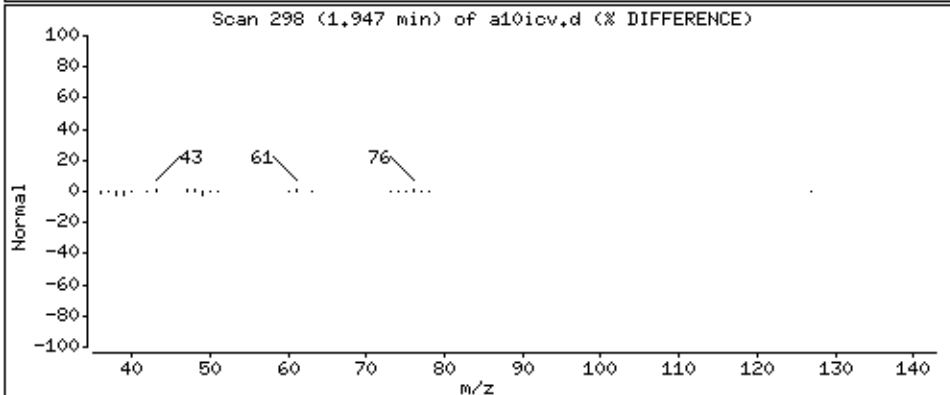
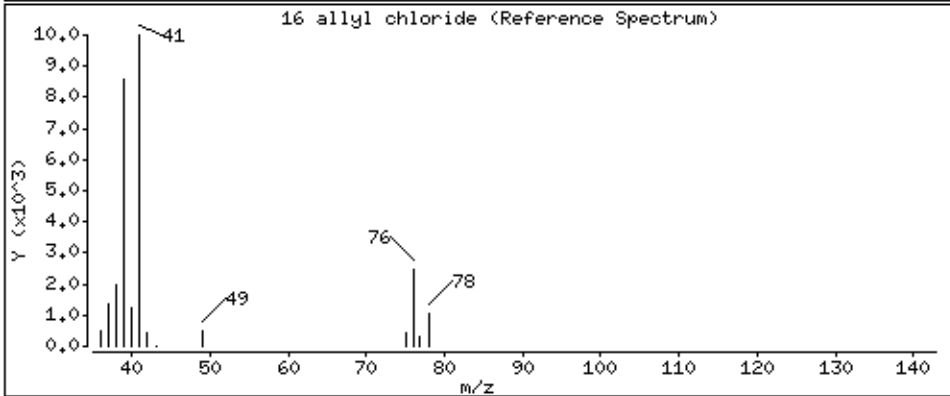
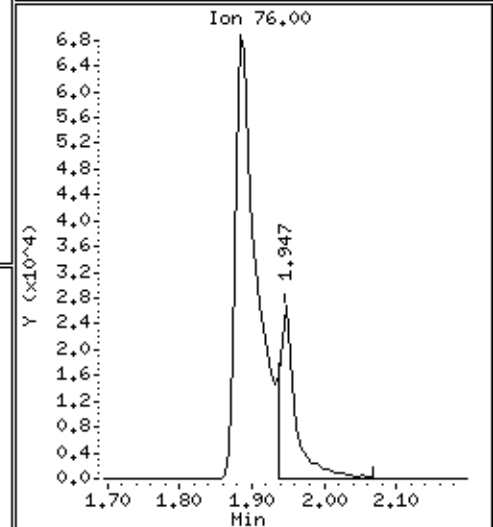
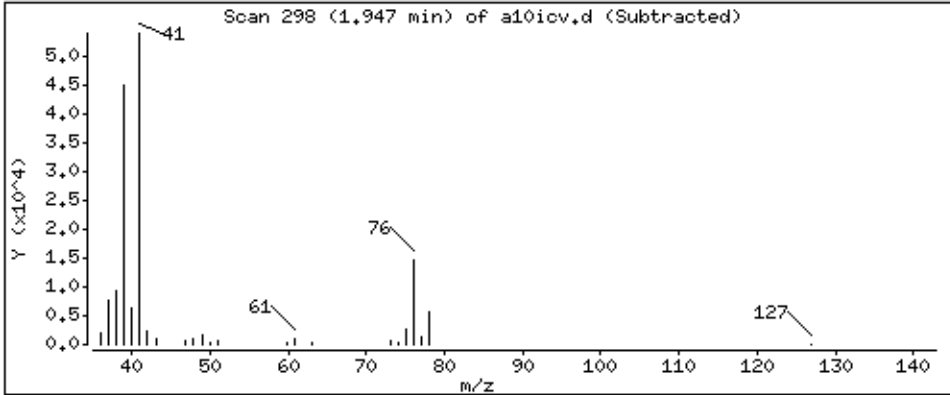
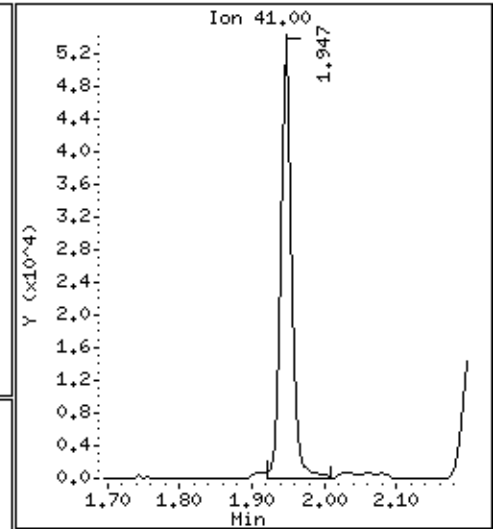
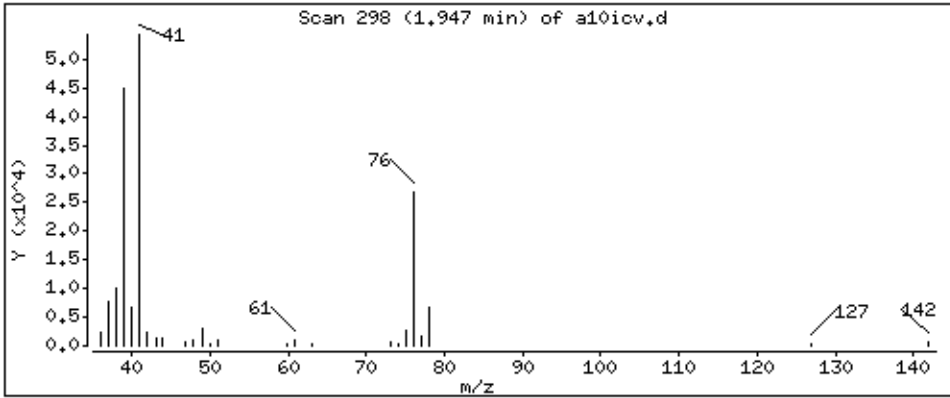
Column phase: DB-624

Column diameter: 0,18

16 allyl chloride

Concentration: 81.4 ppb

Review Code:



Date : 19-JUN-2014 19:38

Client ID: 8260-ICV,71105;0

Instrument: 50mw3a.i

Sample Info: 8260-ICV,71105;0

Purge Volume: 5.0

Operator: jlz

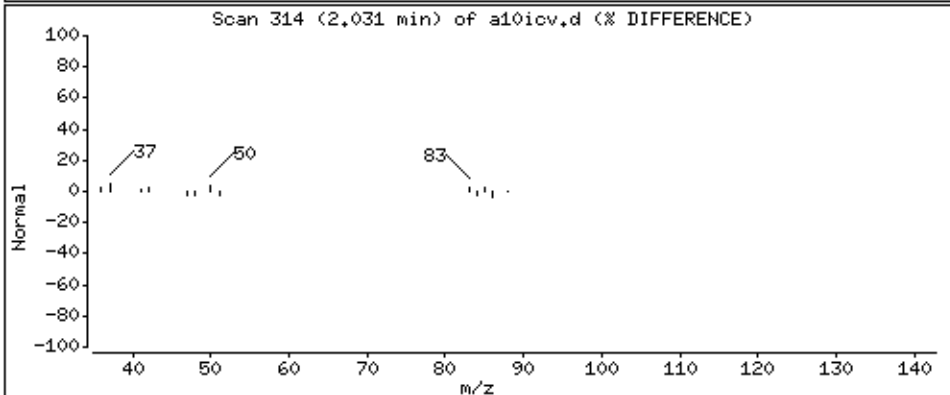
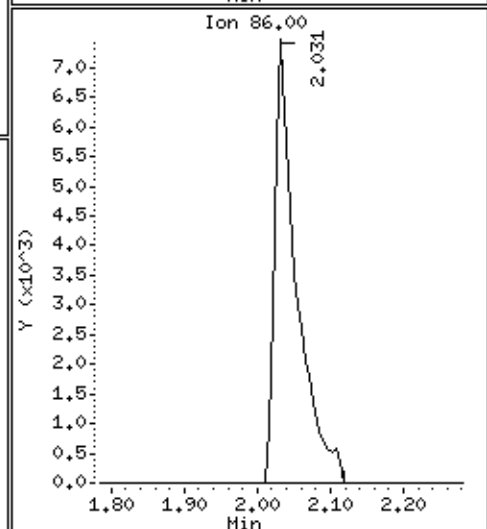
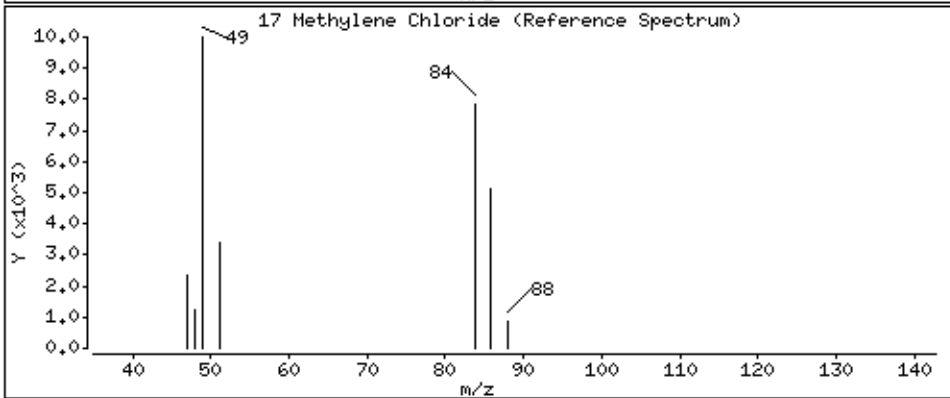
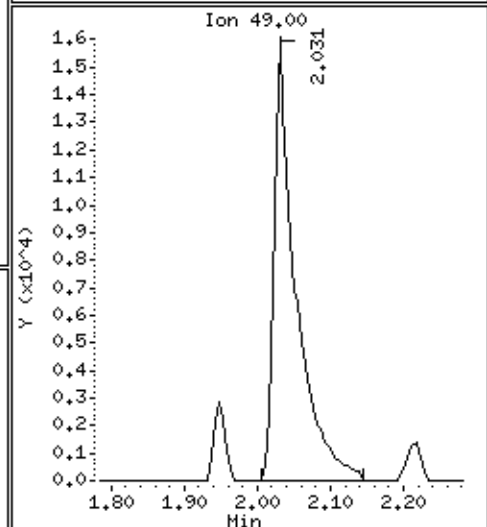
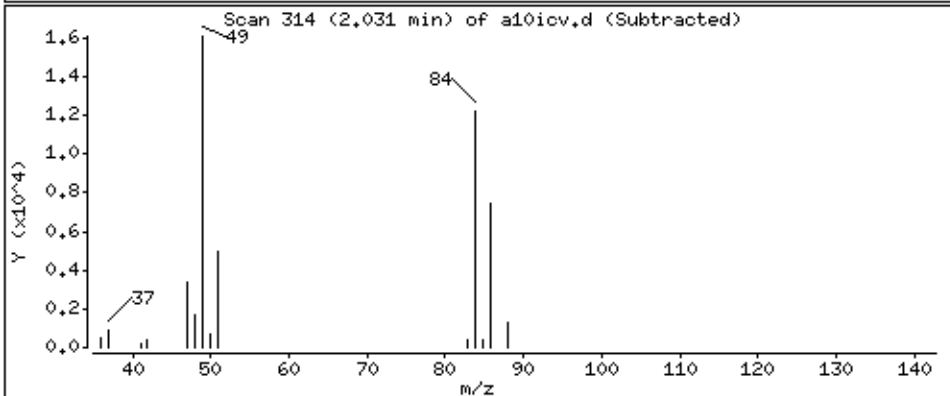
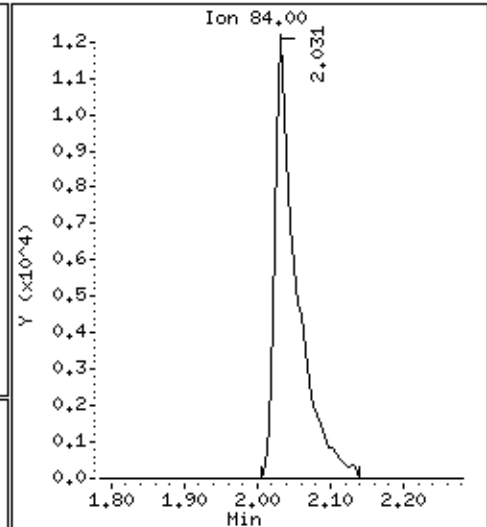
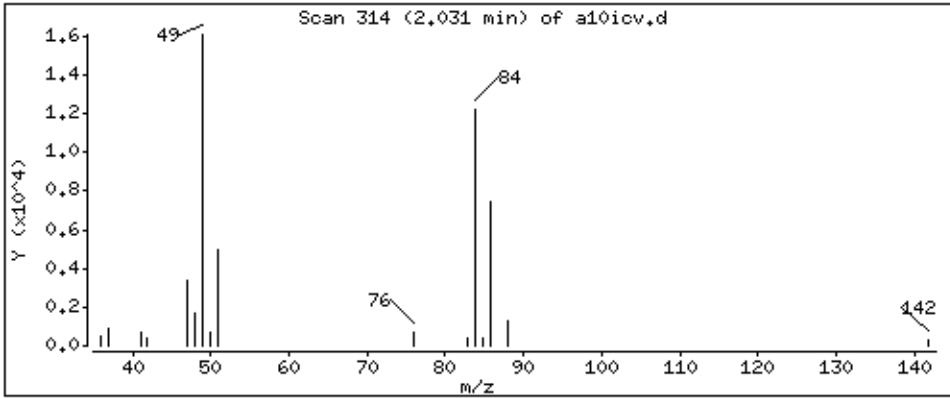
Column phase: DB-624

Column diameter: 0,18

17 Methylene Chloride

Concentration: 42.1 ppb

Review Code:



Date : 19-JUN-2014 19:38

Client ID: 8260-ICV,71105;0

Instrument: 50mv3a.i

Sample Info: 8260-ICV,71105;0

Purge Volume: 5.0

Operator: jlz

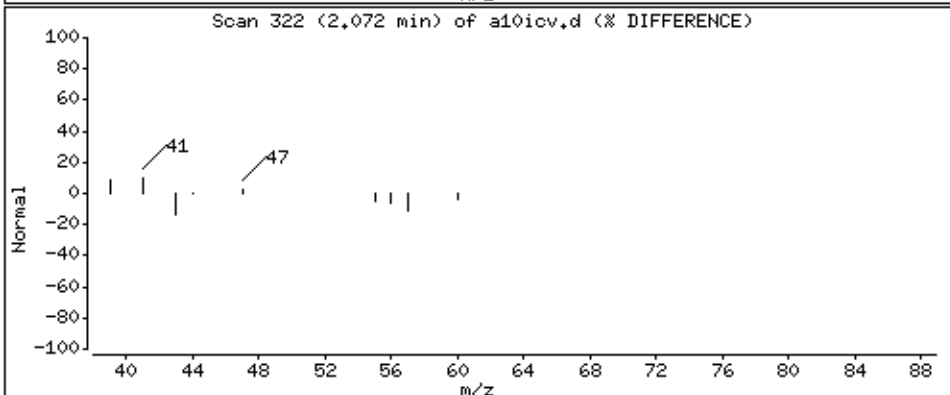
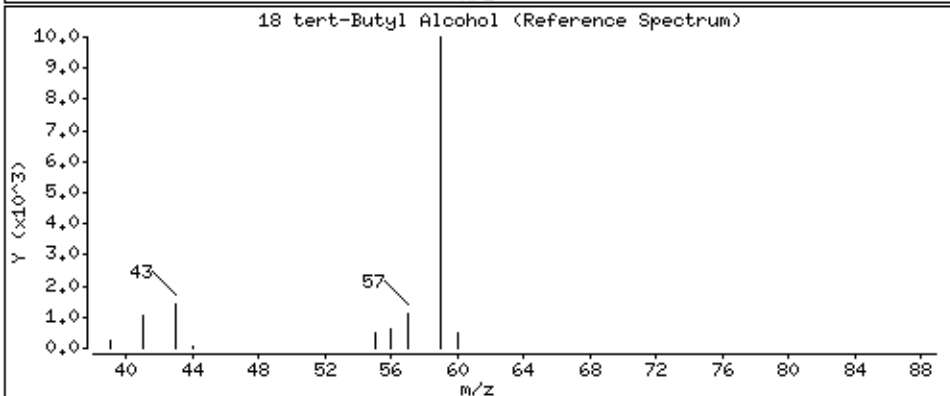
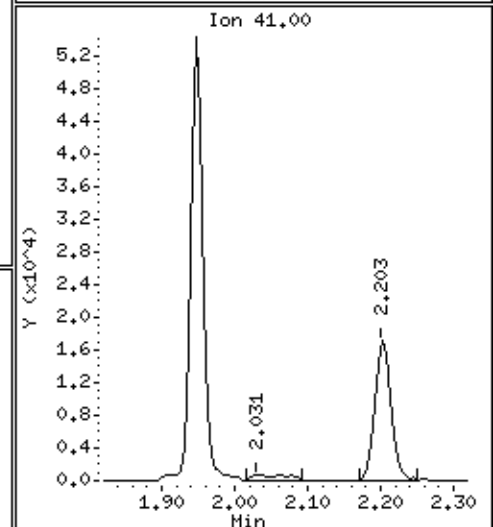
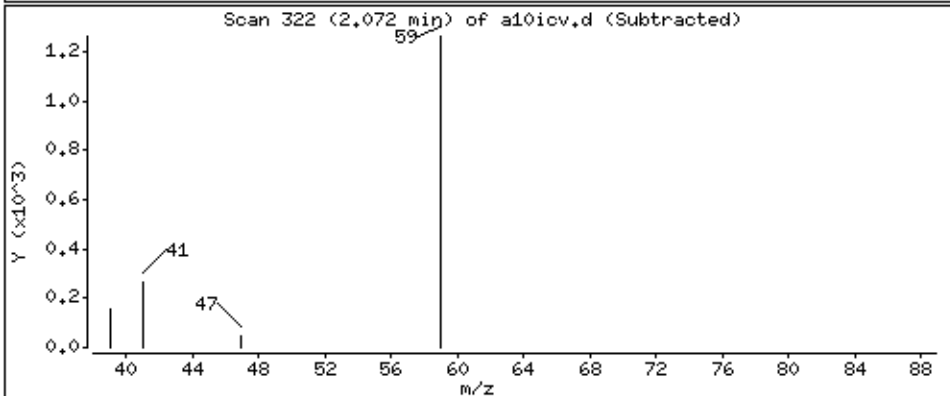
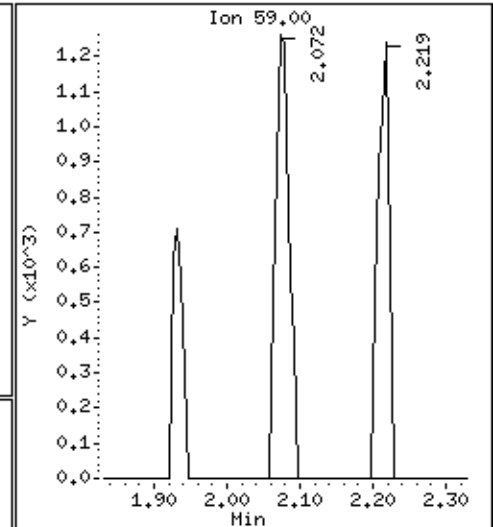
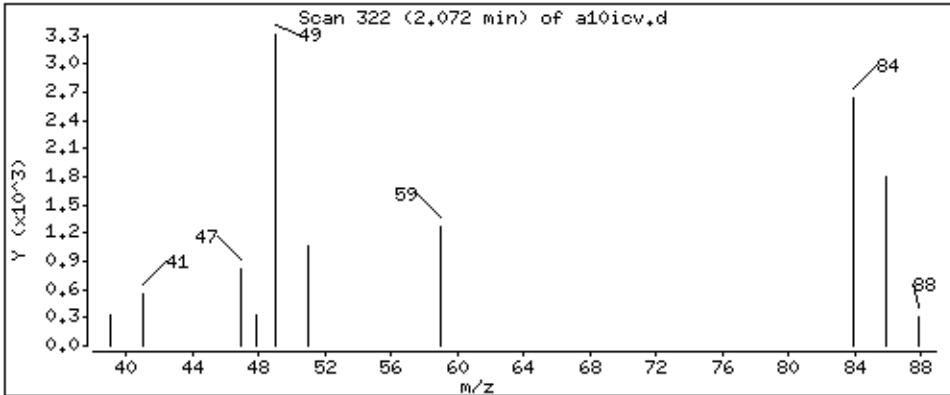
Column phase: DB-624

Column diameter: 0,18

18 tert-Butyl Alcohol

Concentration: 102 ppb

Review Code:



Date : 19-JUN-2014 19:38

Client ID: 8260-ICV,71105;0

Instrument: 50mw3a,i

Sample Info: 8260-ICV,71105;0

Purge Volume: 5.0

Operator: jlz

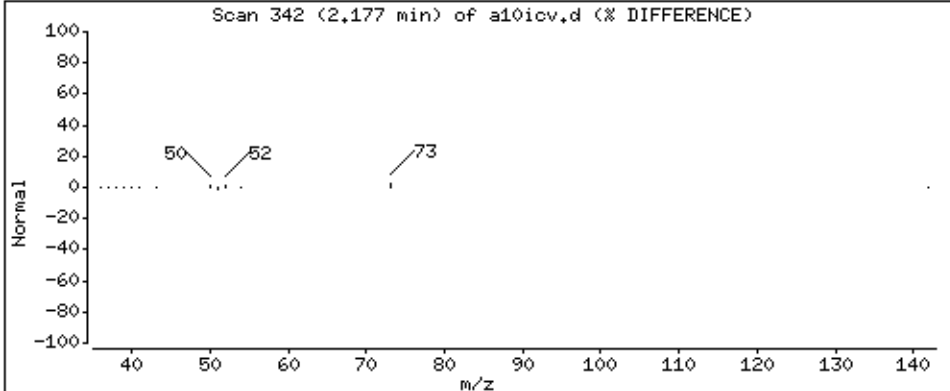
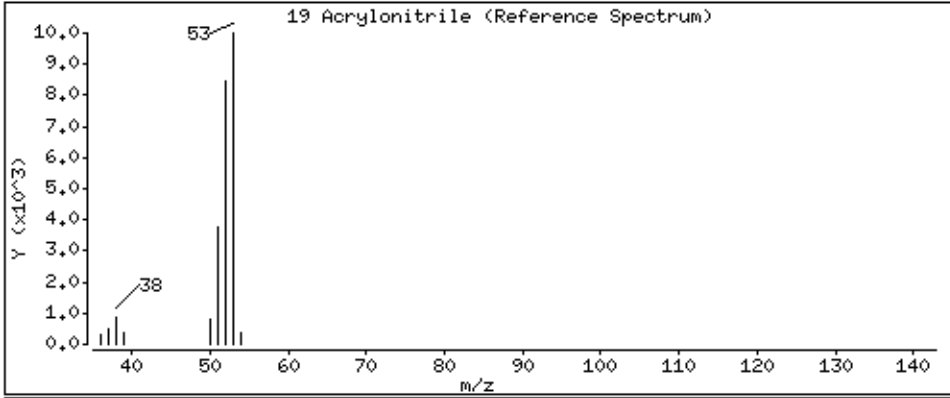
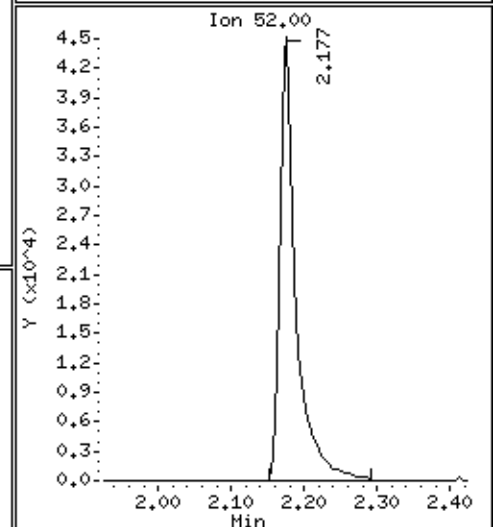
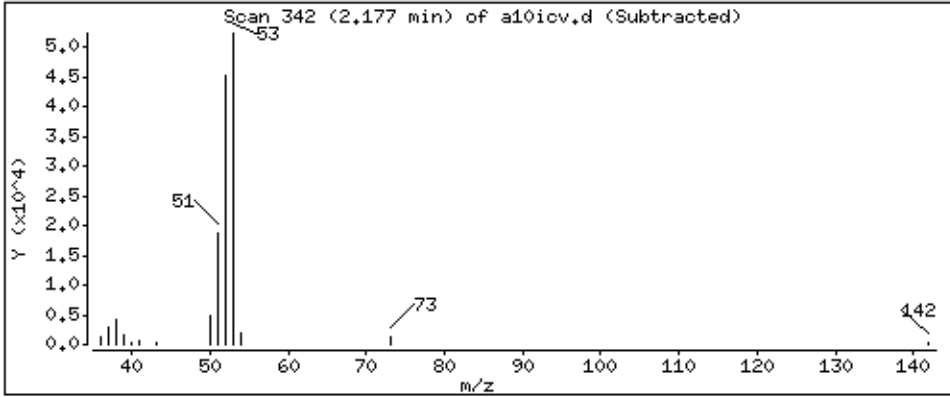
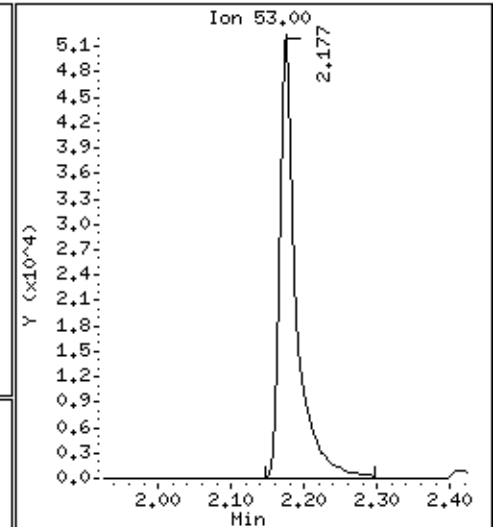
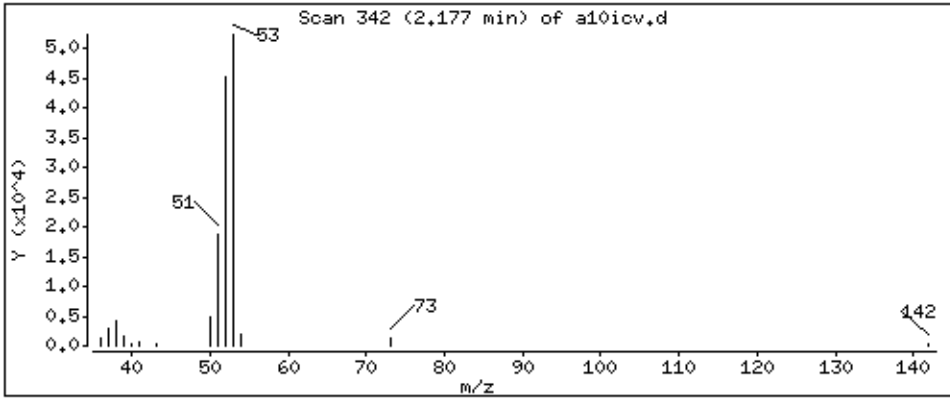
Column phase: DB-624

Column diameter: 0,18

19 Acrylonitrile

Concentration: 926 ppb

Review Code:



Date : 19-JUN-2014 19:38

Client ID: 8260-ICV,71105;0

Instrument: 50mv3a.i

Sample Info: 8260-ICV,71105;0

Purge Volume: 5.0

Operator: jlz

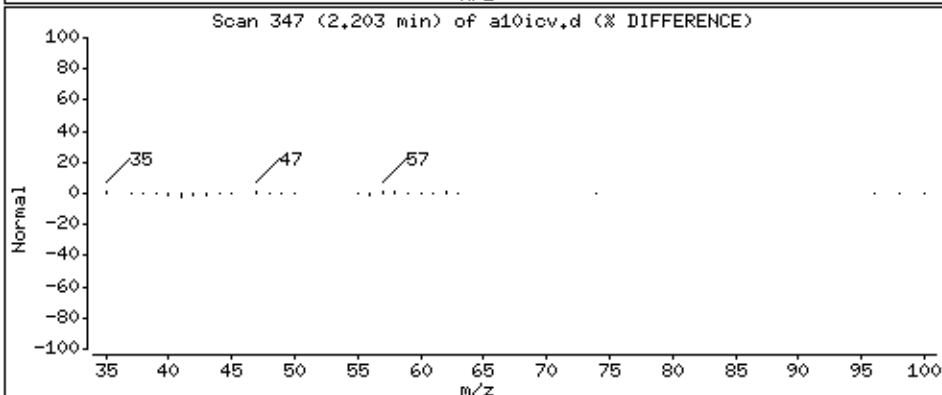
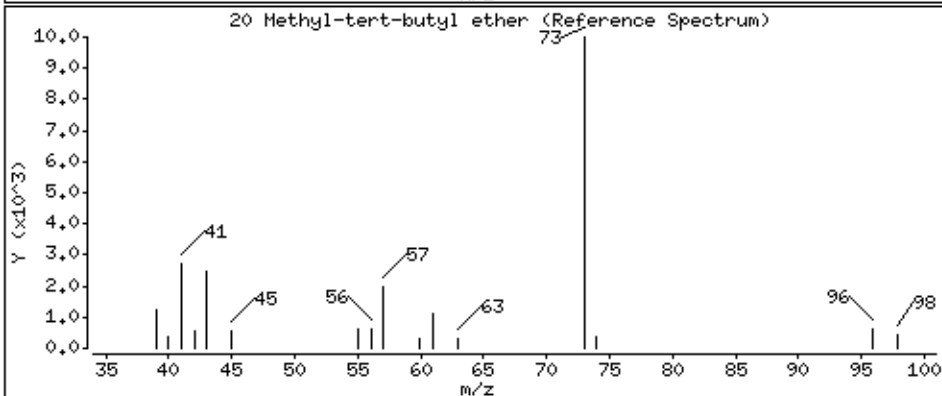
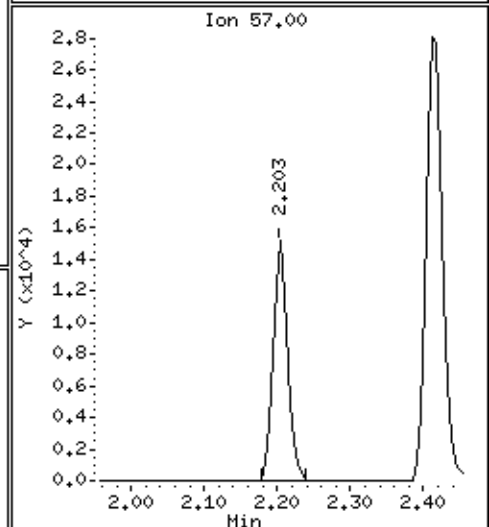
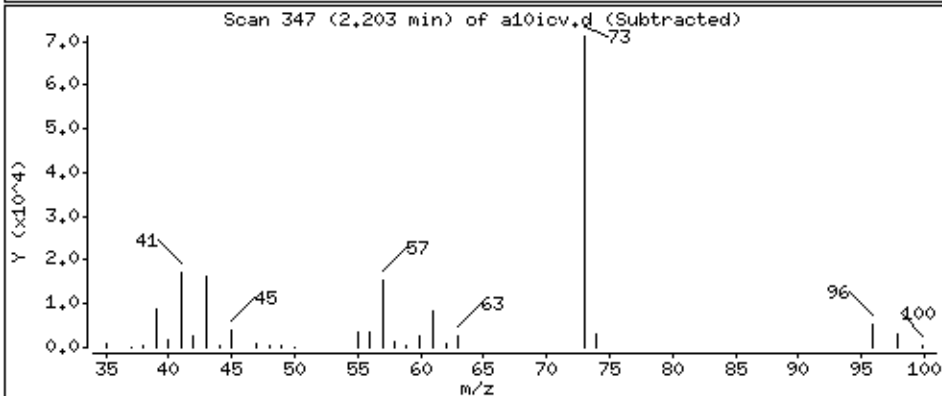
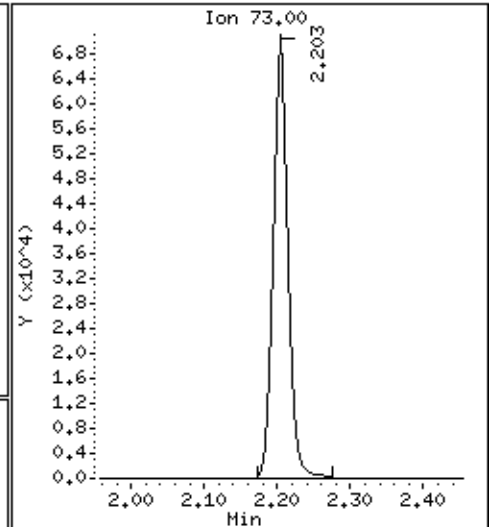
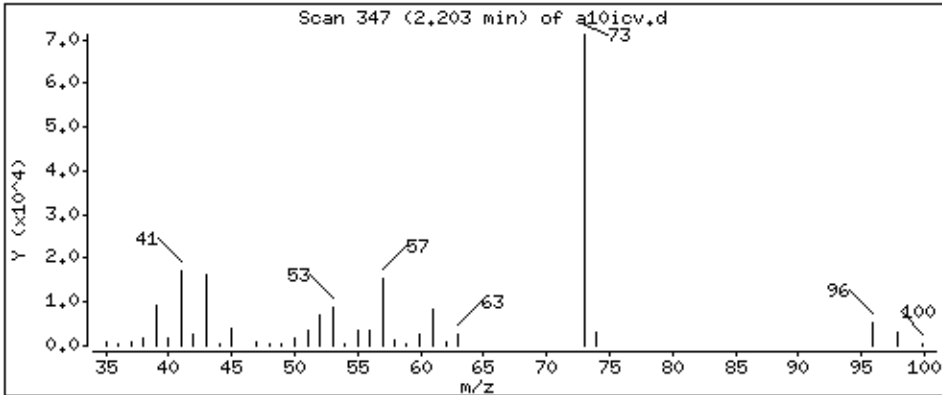
Column phase: DB-624

Column diameter: 0,18

20 Methyl-tert-butyl ether

Concentration: 95,9 ppb

Review Code:



Date : 19-JUN-2014 19:38

Client ID: 8260-ICV,71105;0

Instrument: 50mw3a.i

Sample Info: 8260-ICV,71105;0

Purge Volume: 5.0

Operator: jlz

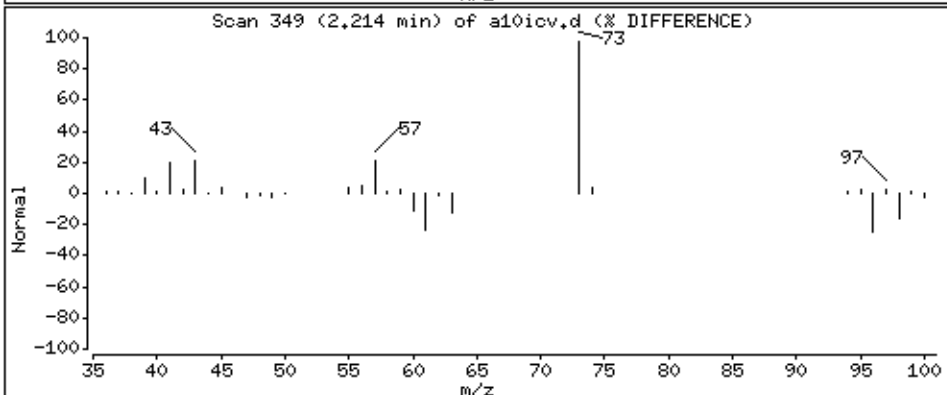
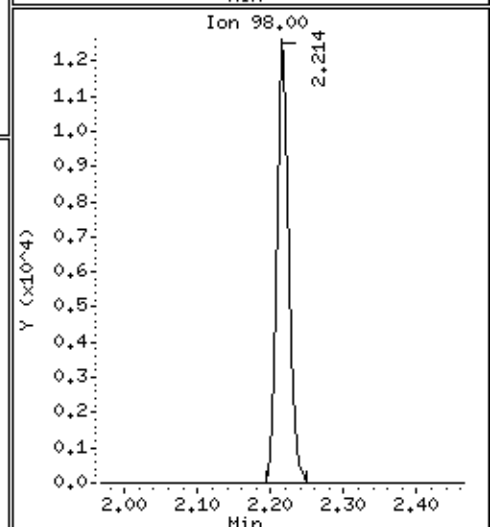
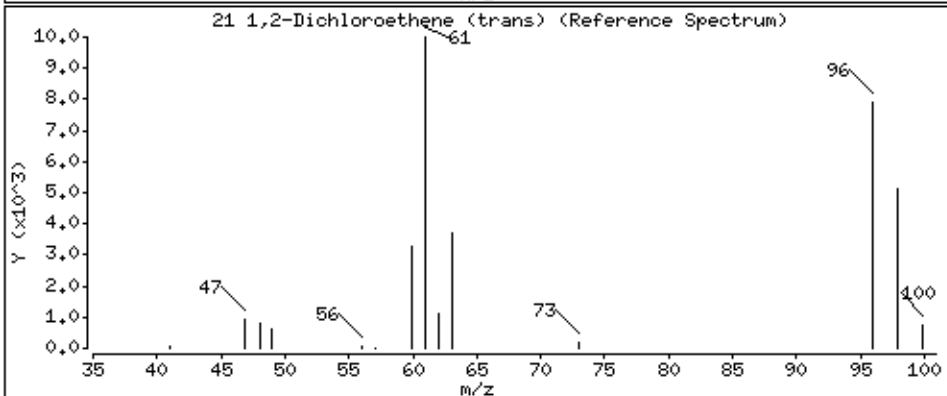
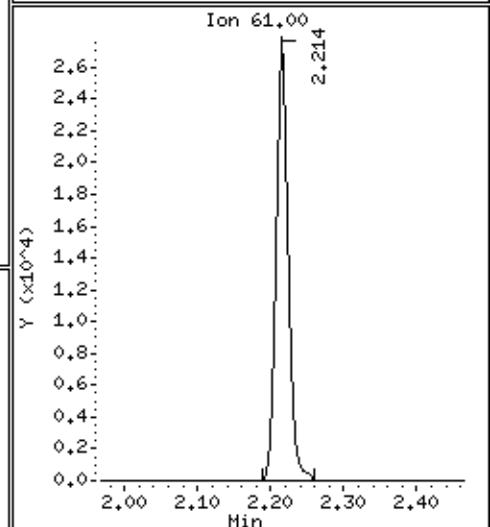
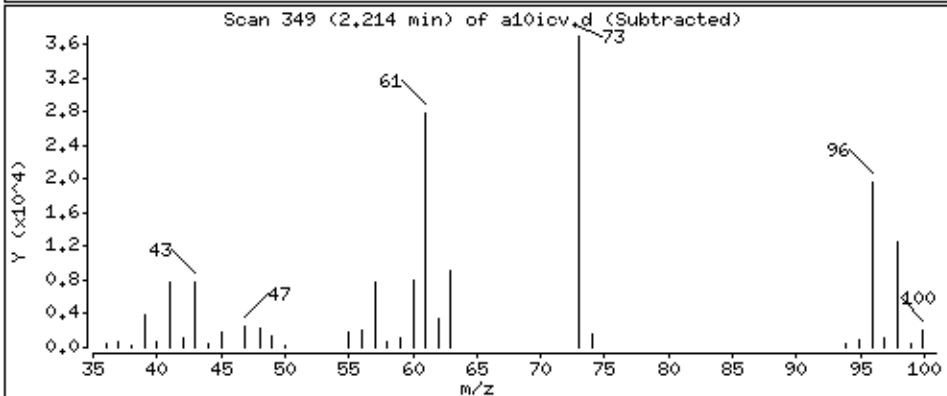
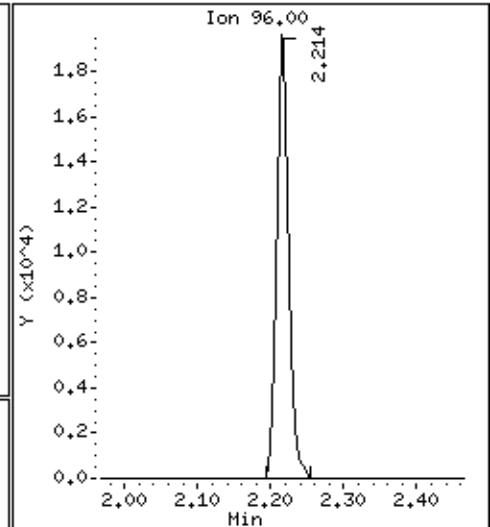
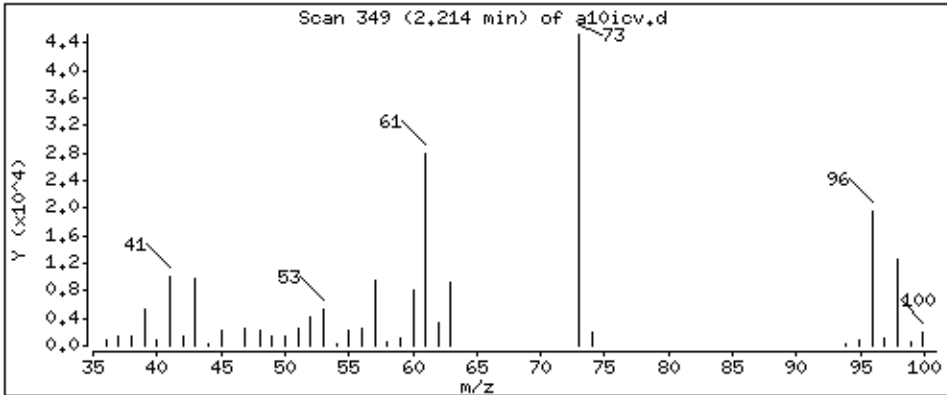
Column phase: DB-624

Column diameter: 0,18

21 1,2-Dichloroethene (trans)

Concentration: 44,6 ppb

Review Code:



Date : 19-JUN-2014 19:38

Client ID: 8260-ICV,71105;0

Instrument: 50mw3a.i

Sample Info: 8260-ICV,71105;0

Purge Volume: 5.0

Operator: jlz

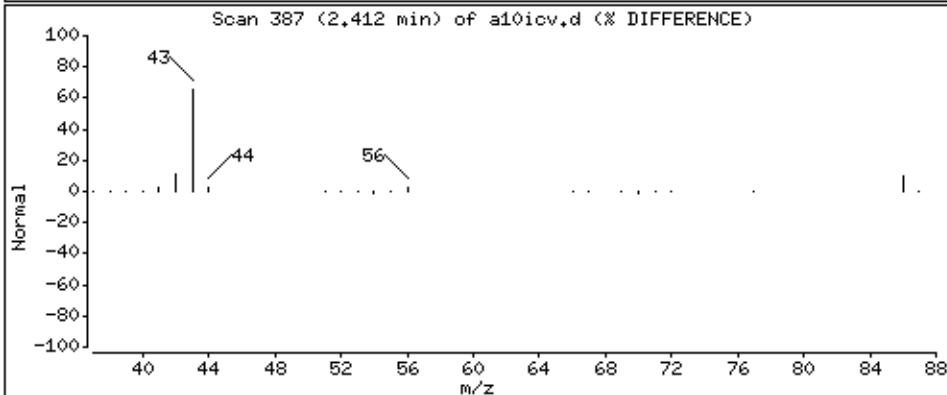
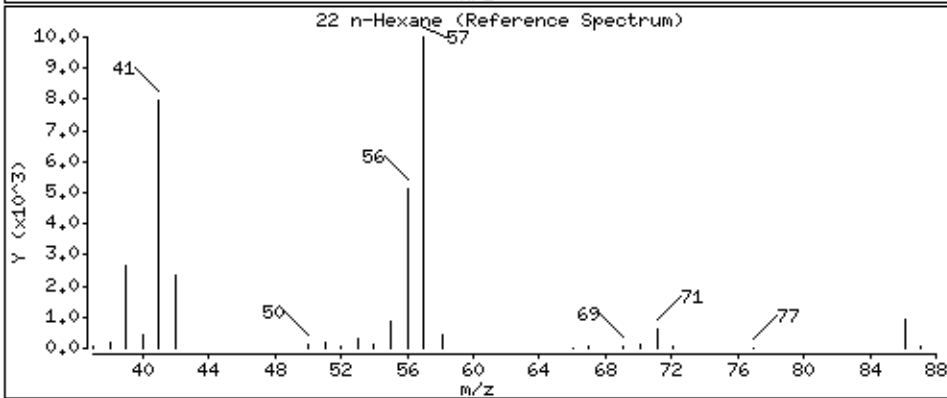
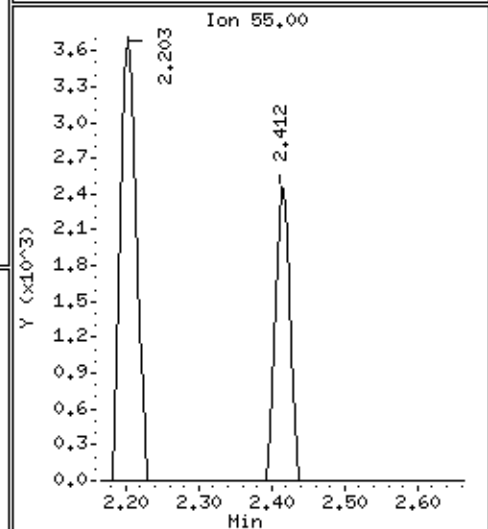
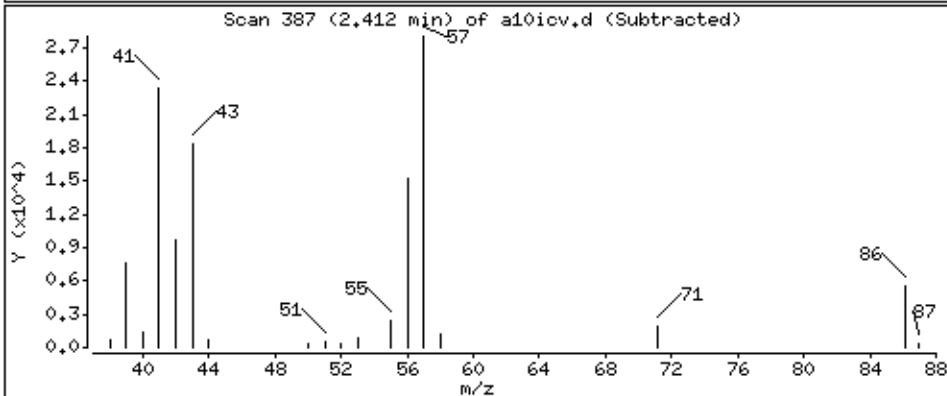
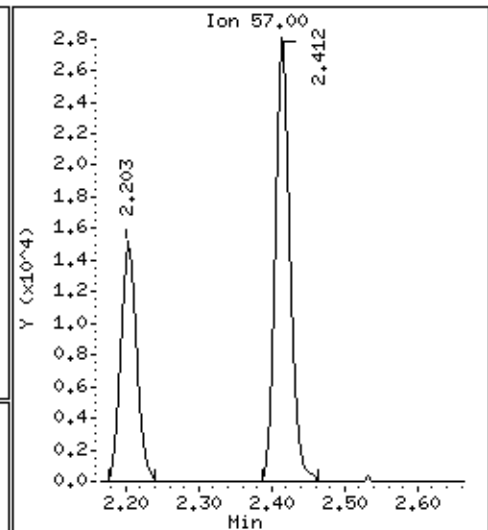
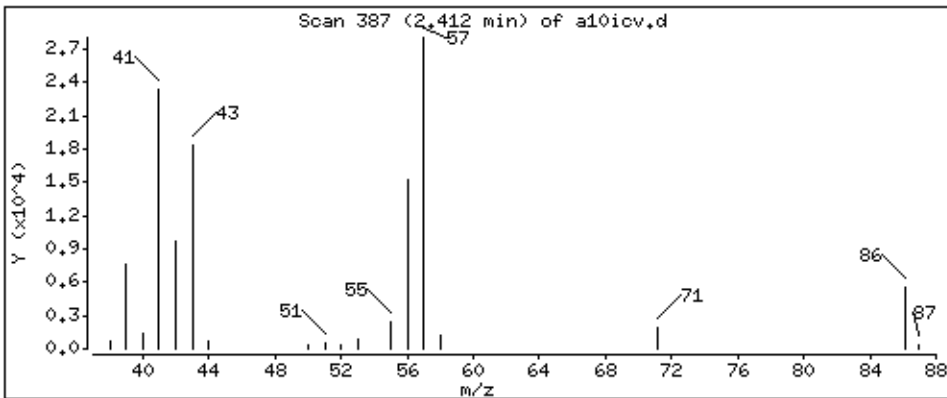
Column phase: DB-624

Column diameter: 0,18

22 n-Hexane

Concentration: 44,7 ppb

Review Code:



Date : 19-JUN-2014 19:38

Client ID: 8260-ICV,71105;0

Instrument: 50mv3a.i

Sample Info: 8260-ICV,71105;0

Purge Volume: 5.0

Operator: jlz

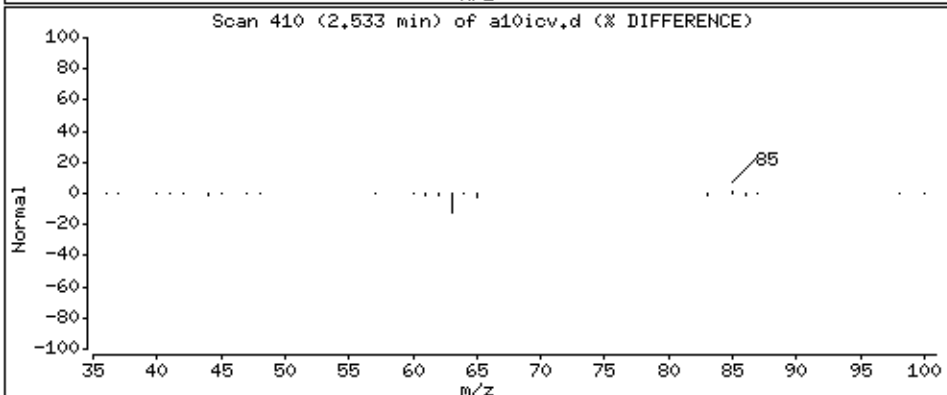
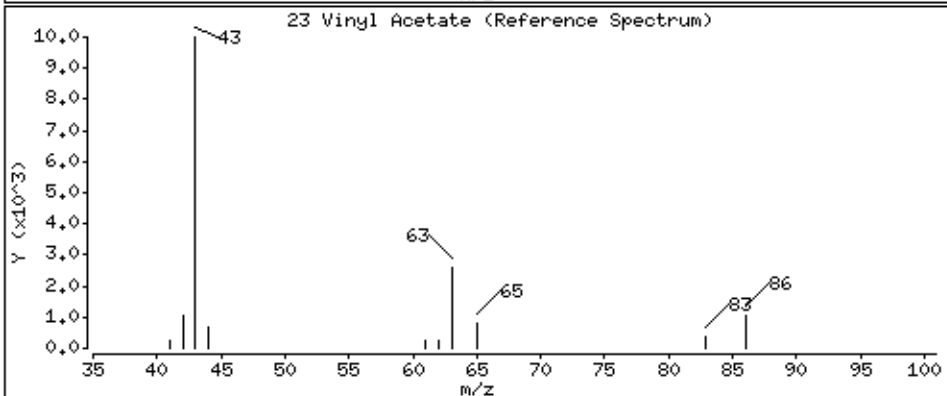
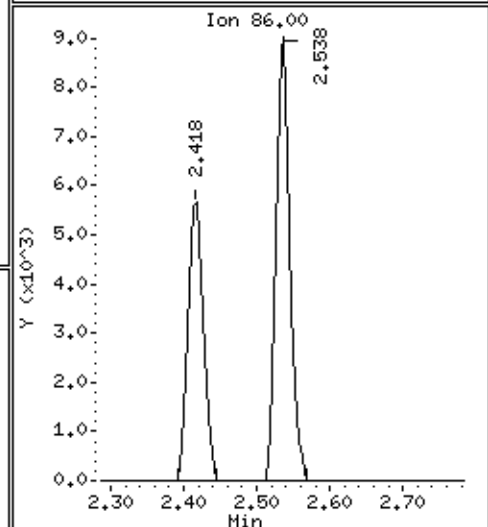
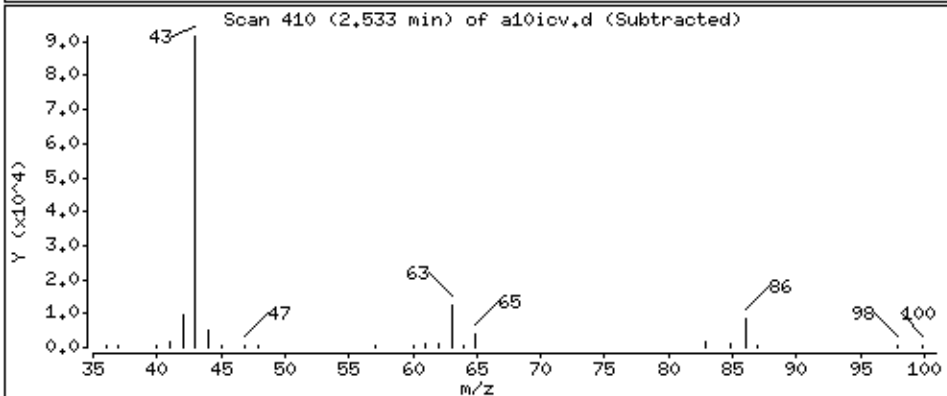
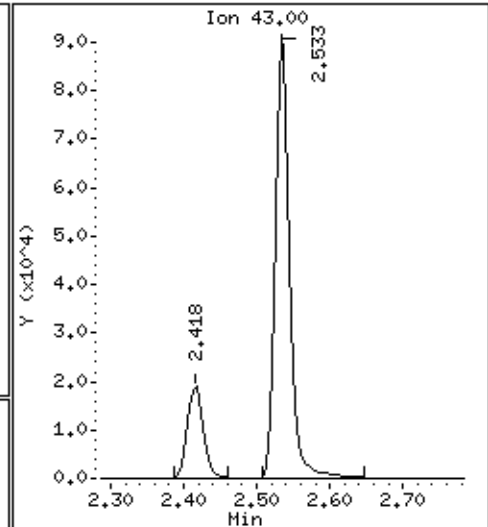
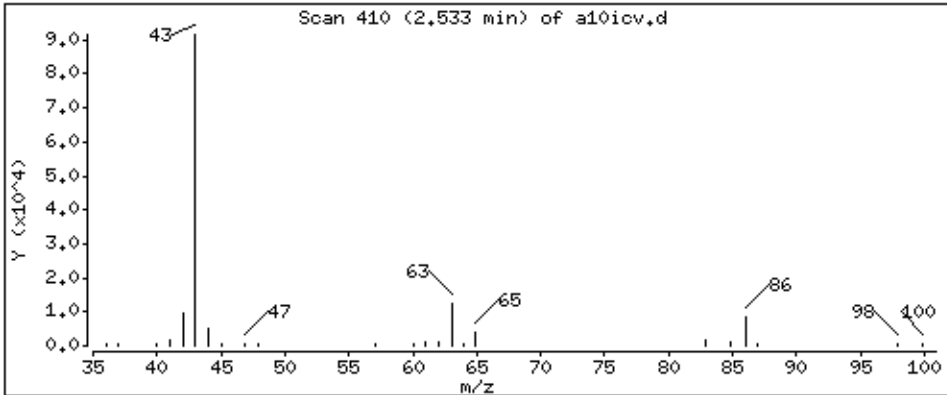
Column phase: DB-624

Column diameter: 0,18

23 Vinyl Acetate

Concentration: 198 ppb

Review Code:



Date : 19-JUN-2014 19:38

Client ID: 8260-ICV,71105;0

Instrument: 50mw3a.i

Sample Info: 8260-ICV,71105;0

Purge Volume: 5.0

Operator: jlz

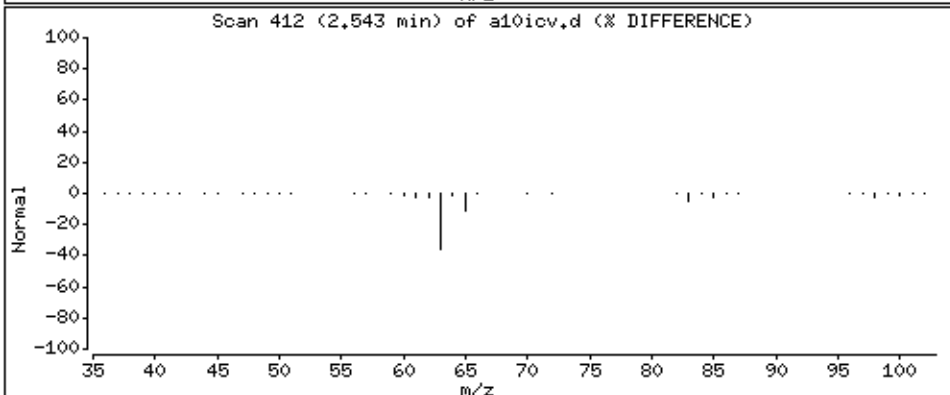
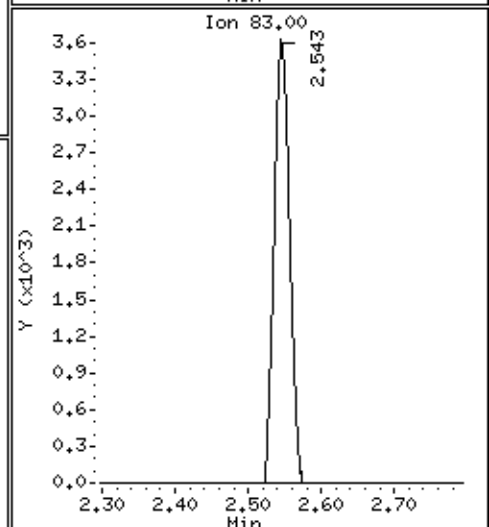
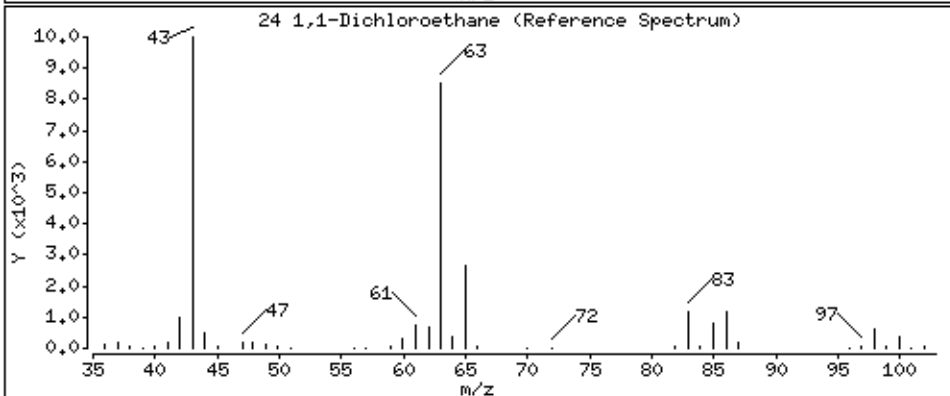
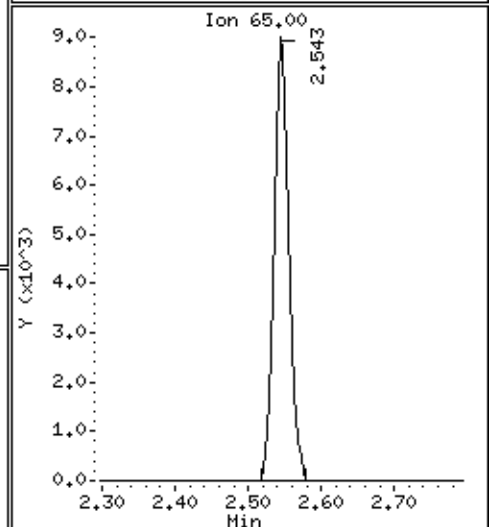
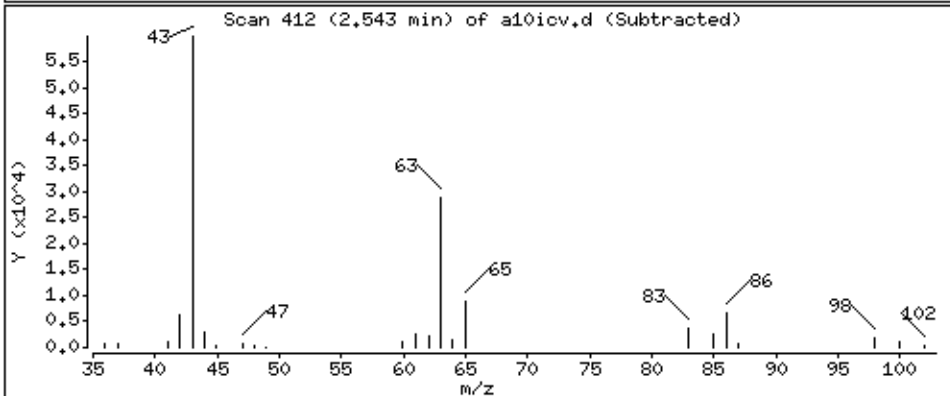
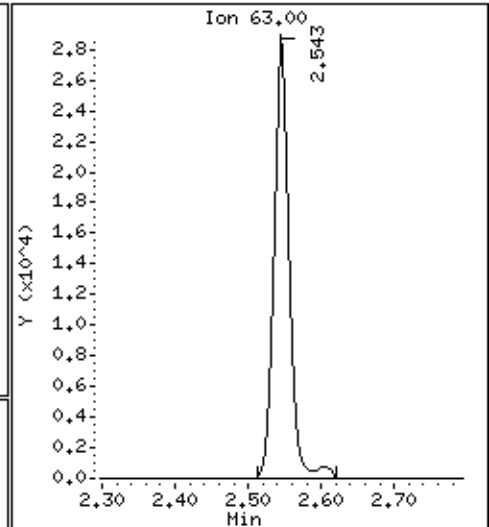
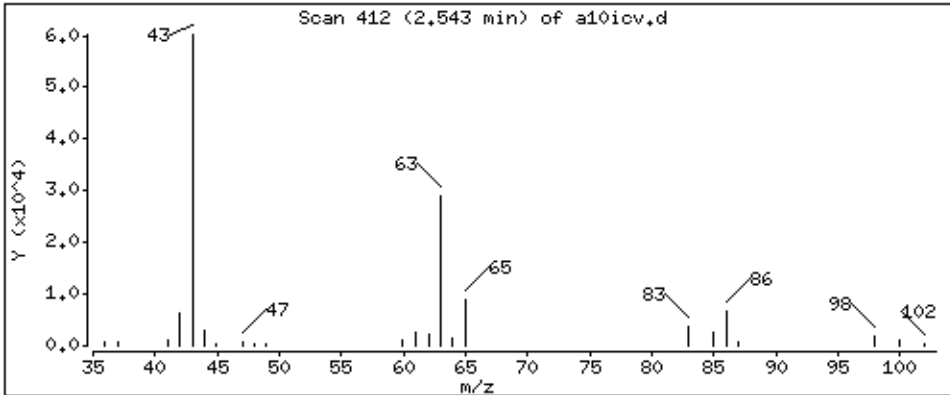
Column phase: DB-624

Column diameter: 0,18

24 1,1-Dichloroethane

Concentration: 47.1 ppb

Review Code:



Date : 19-JUN-2014 19:38

Client ID: 8260-ICV,71105:0

Instrument: 50mw3a.i

Sample Info: 8260-ICV,71105:0

Purge Volume: 5.0

Operator: jlz

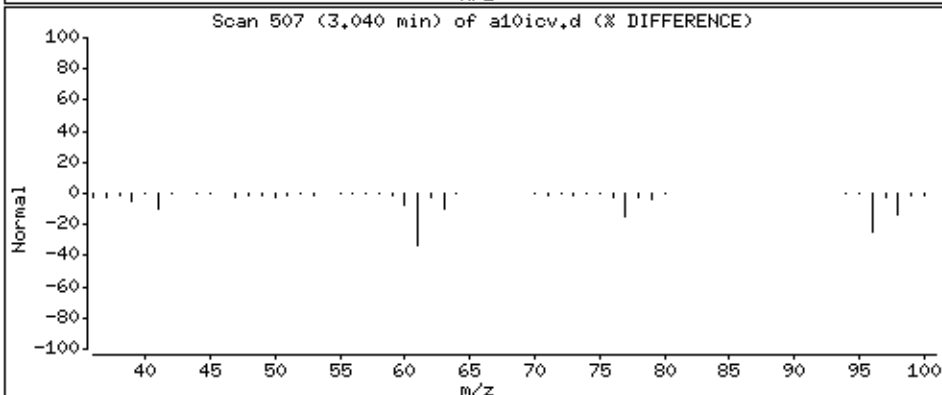
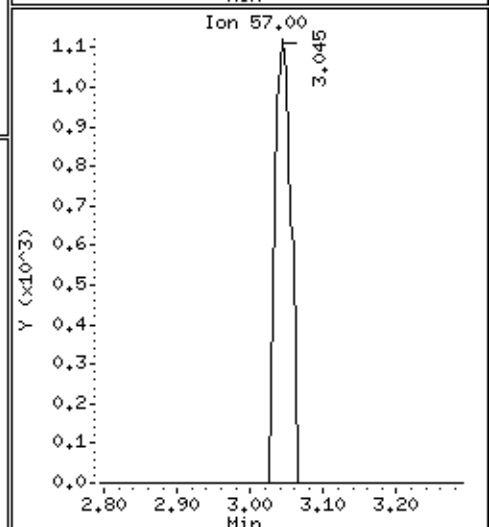
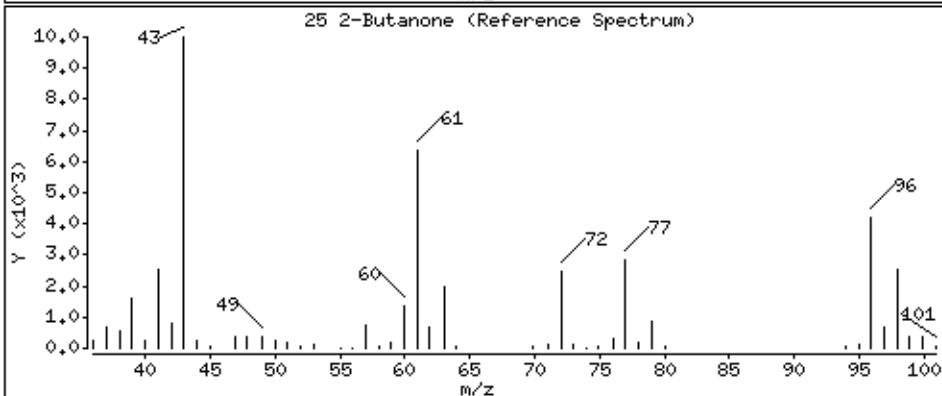
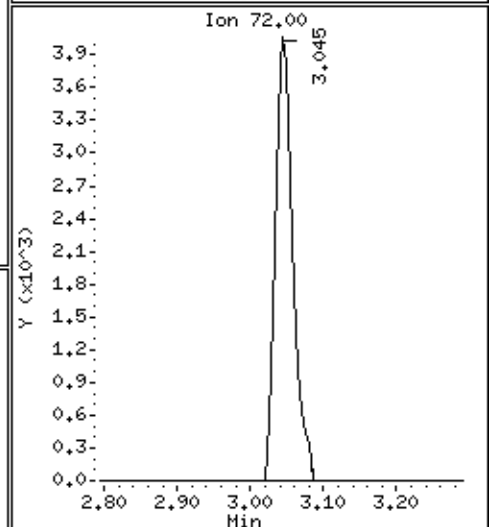
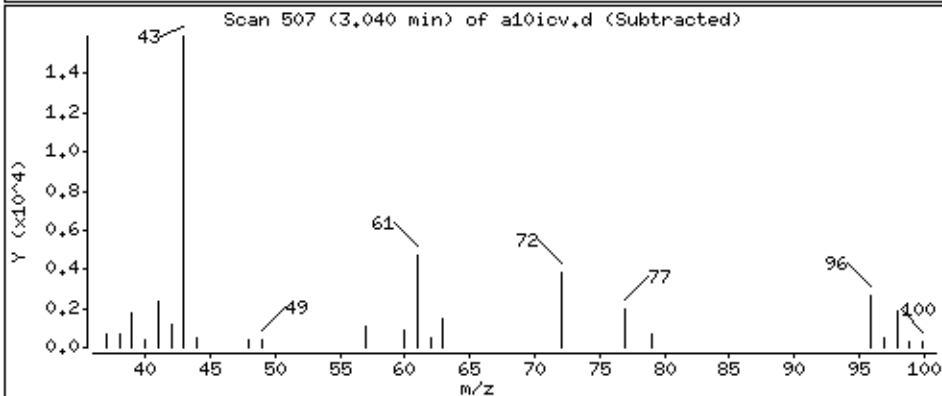
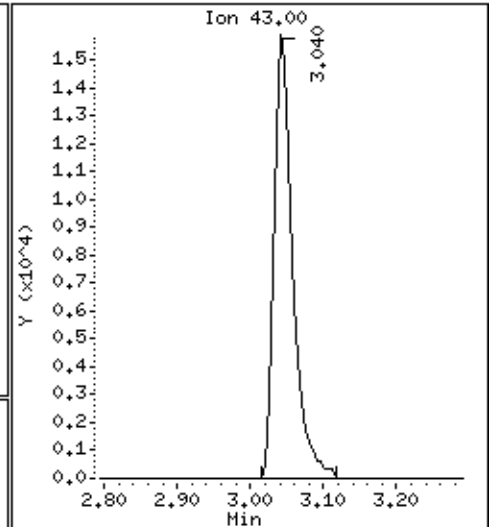
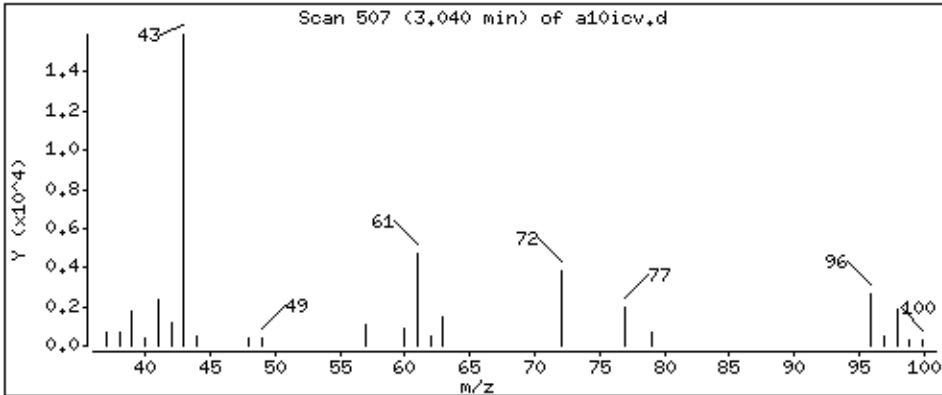
Column phase: DB-624

Column diameter: 0,18

25 2-Butanone

Concentration: 240 ppb

Review Code:



Date : 19-JUN-2014 19:38

Client ID: 8260-ICV,71105;0

Instrument: 50mw3a.i

Sample Info: 8260-ICV,71105;0

Purge Volume: 5.0

Operator: jlz

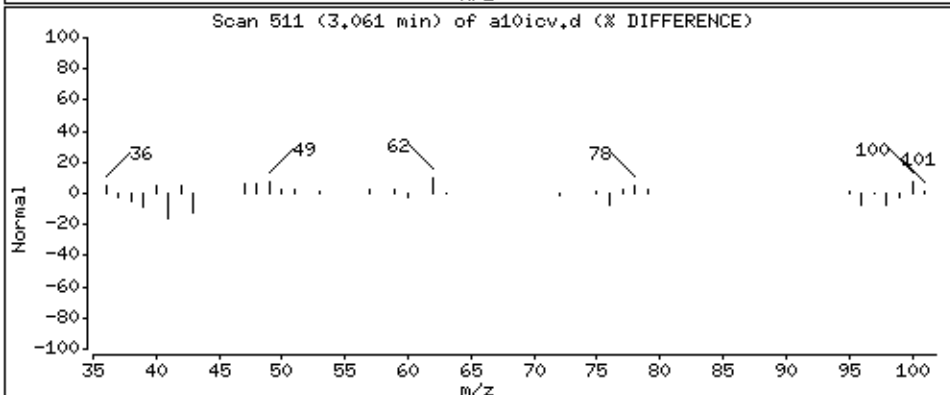
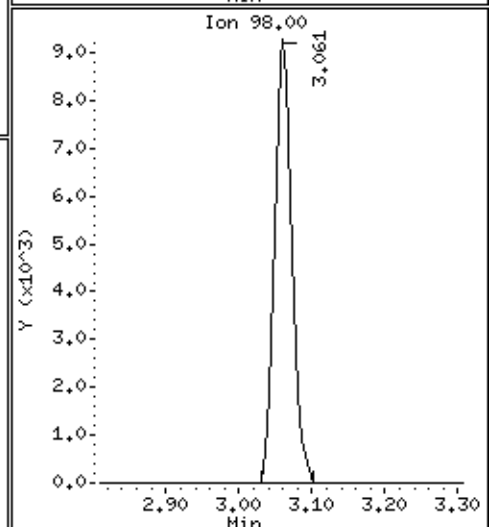
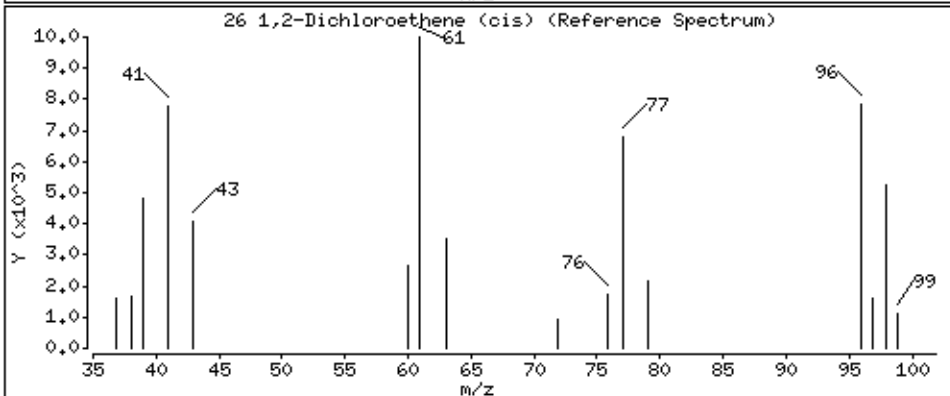
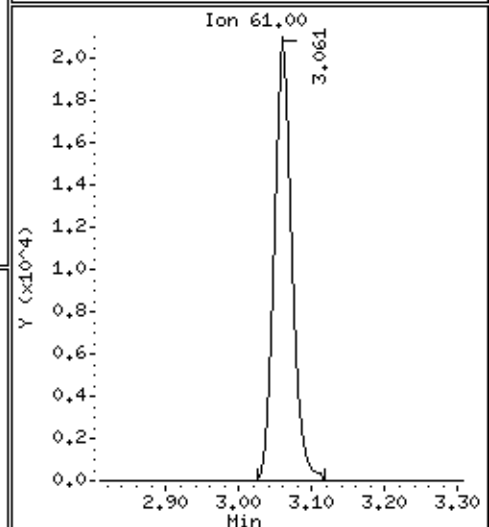
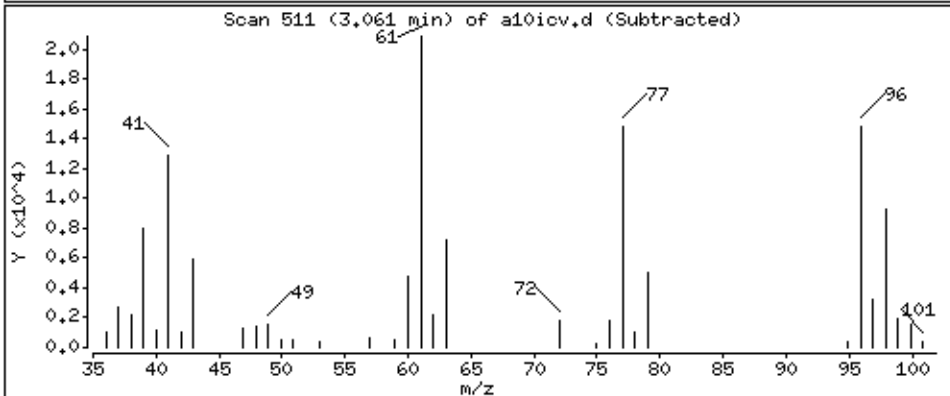
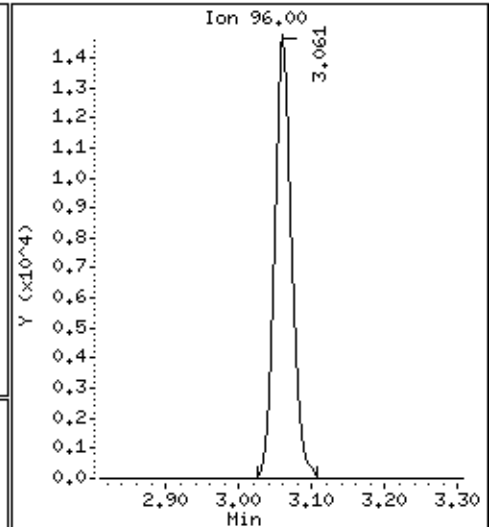
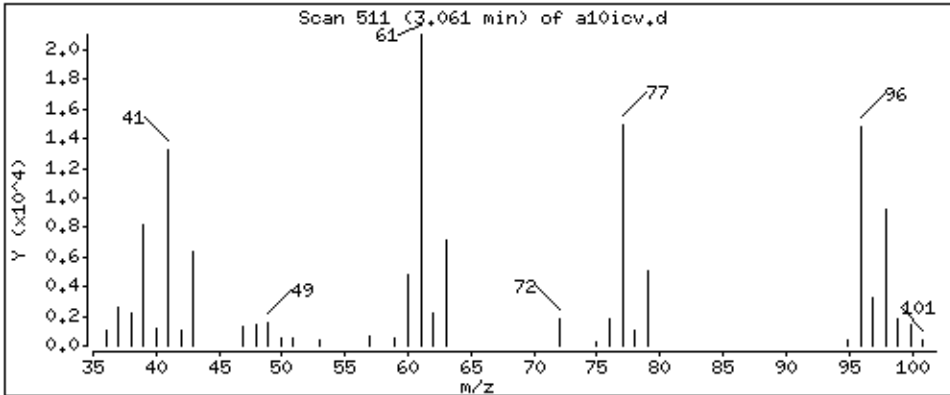
Column phase: DB-624

Column diameter: 0,18

26 1,2-Dichloroethene (cis)

Concentration: 45,3 ppb

Review Code:



Date : 19-JUN-2014 19:38

Client ID: 8260-ICV,71105:0

Instrument: 50mw3a.i

Sample Info: 8260-ICV,71105:0

Purge Volume: 5.0

Operator: jlz

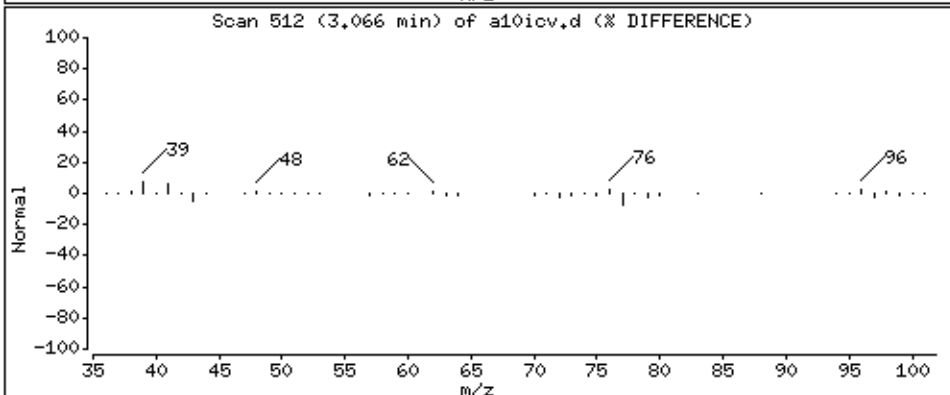
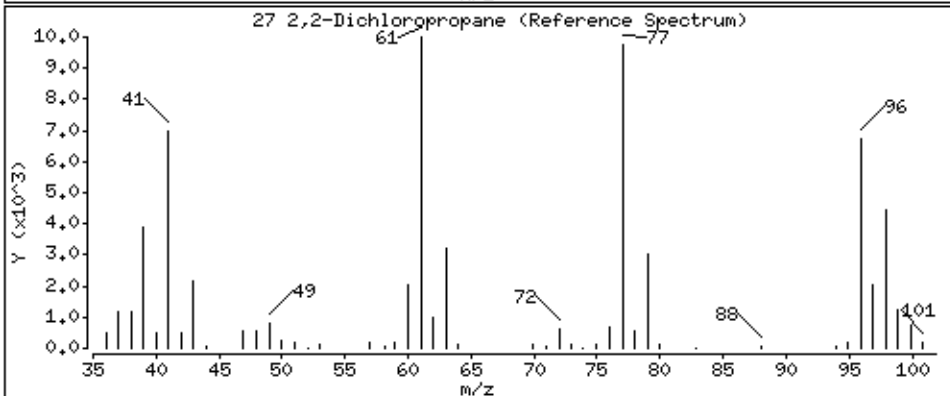
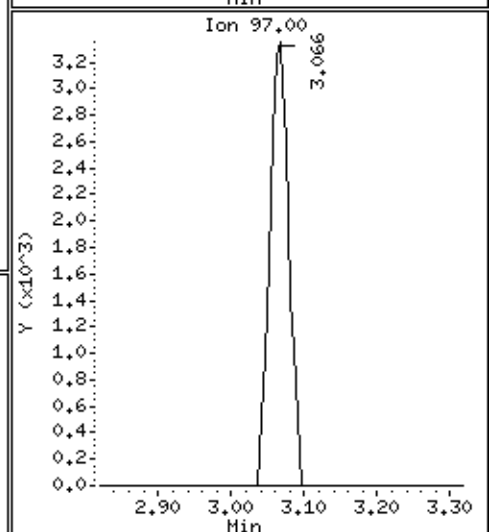
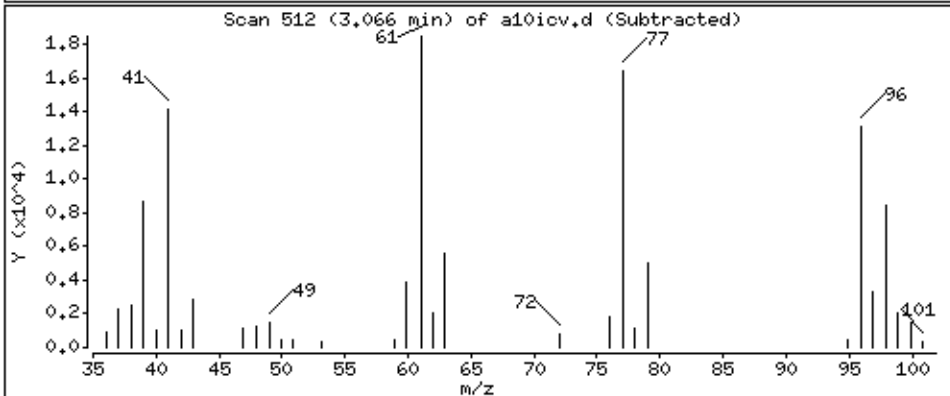
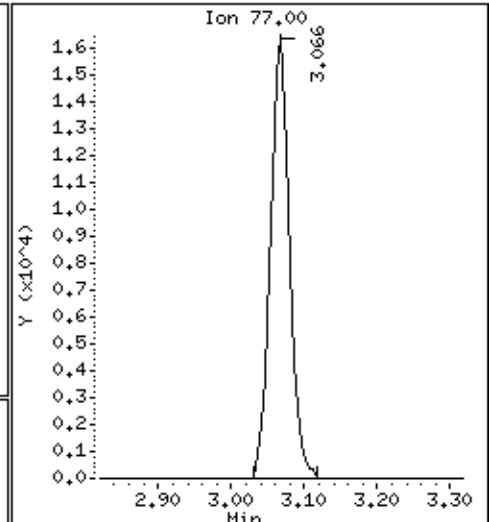
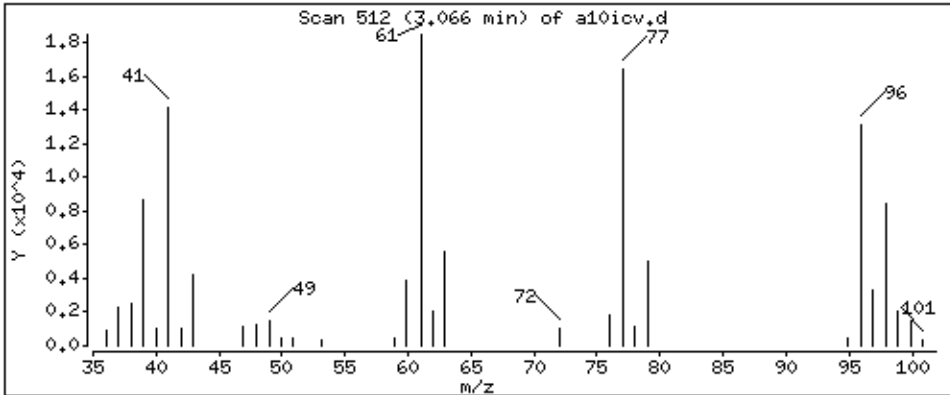
Column phase: DB-624

Column diameter: 0,18

27 2,2-Dichloropropane

Concentration: 45,5 ppb

Review Code:



Date : 19-JUN-2014 19:38

Client ID: 8260-ICV,71105;0

Instrument: 50mw3a.i

Sample Info: 8260-ICV,71105;0

Purge Volume: 5.0

Operator: jlz

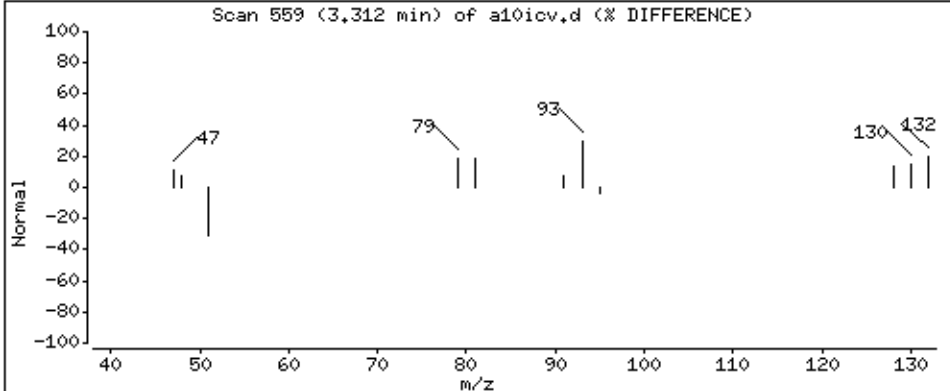
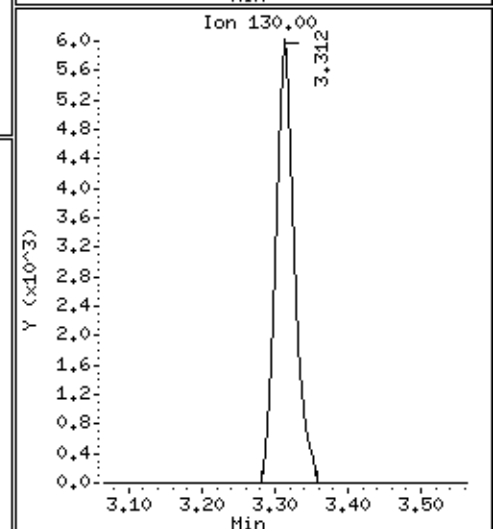
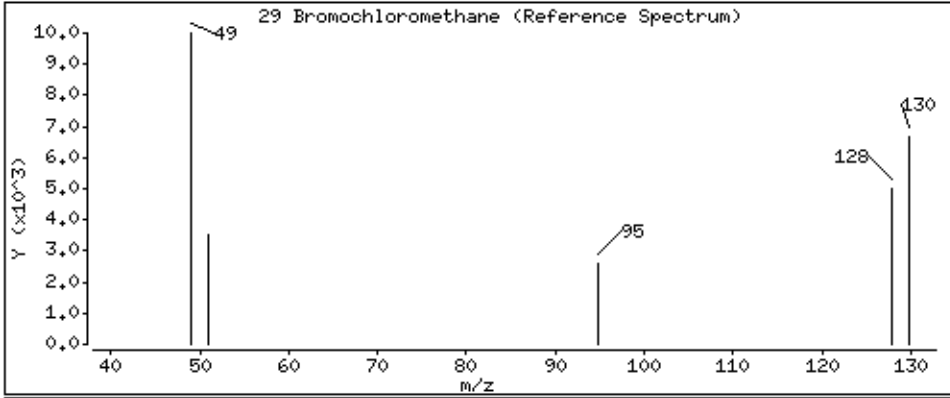
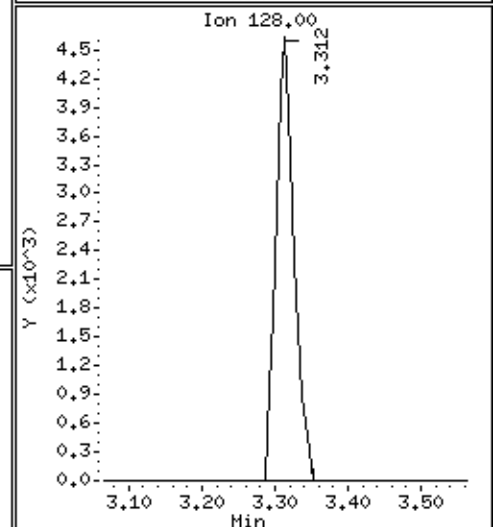
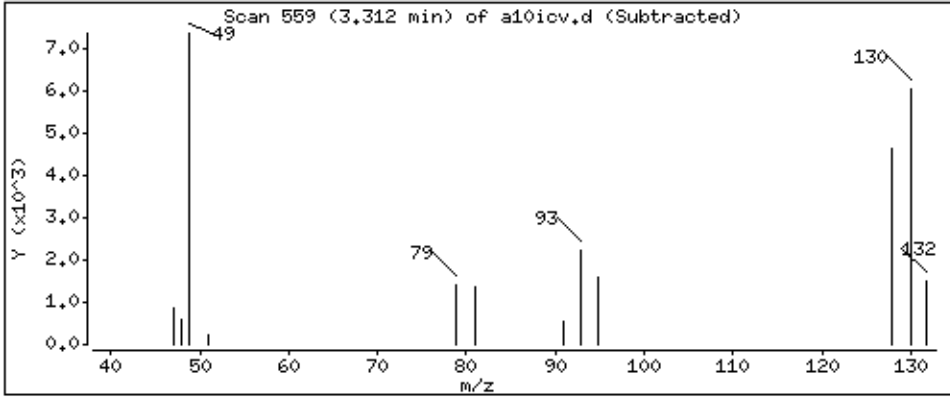
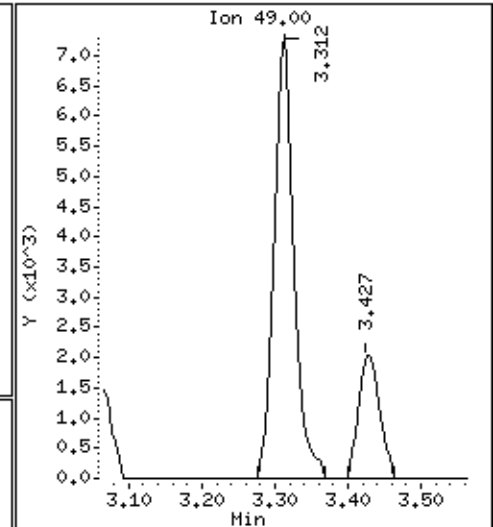
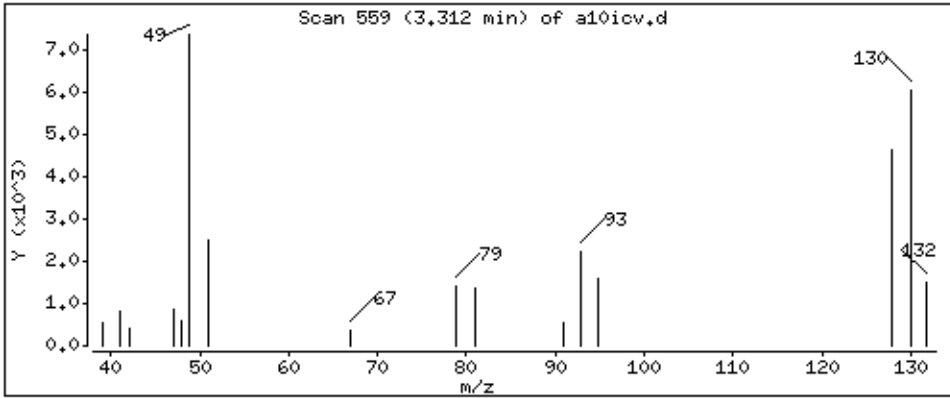
Column phase: DB-624

Column diameter: 0,18

29 Bromochloromethane

Concentration: 50,9 ppb

Review Code:



Date : 19-JUN-2014 19:38

Client ID: 8260-ICV,71105:0

Instrument: 50mw3a.i

Sample Info: 8260-ICV,71105:0

Purge Volume: 5.0

Operator: jlz

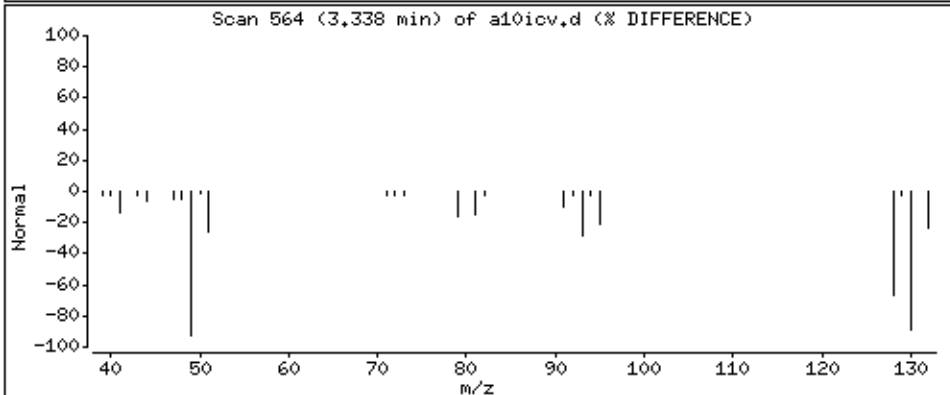
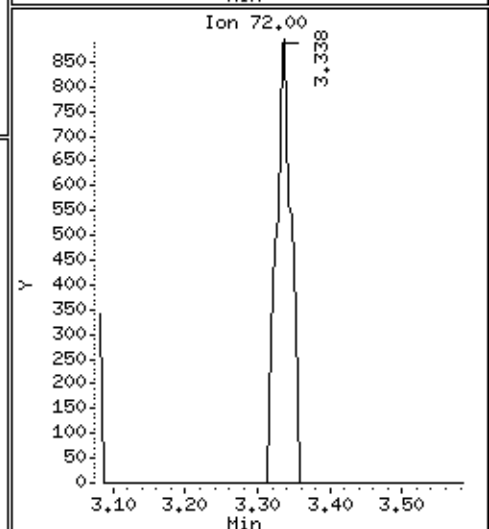
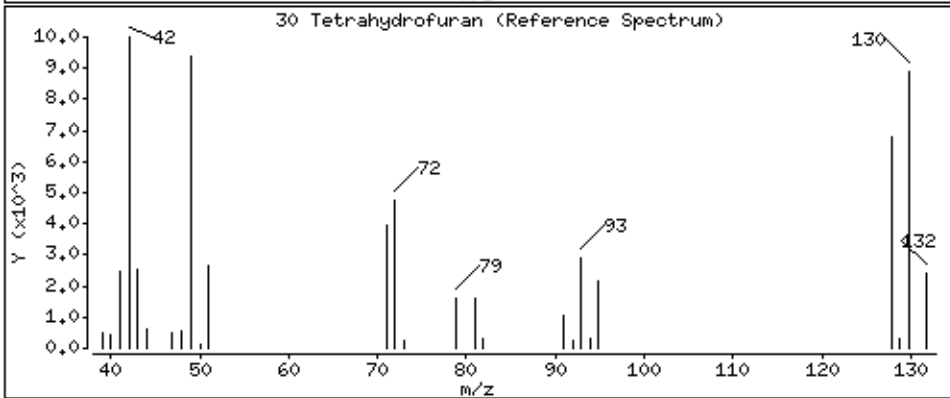
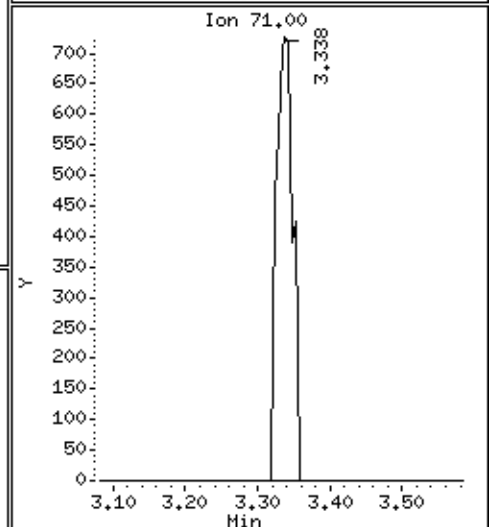
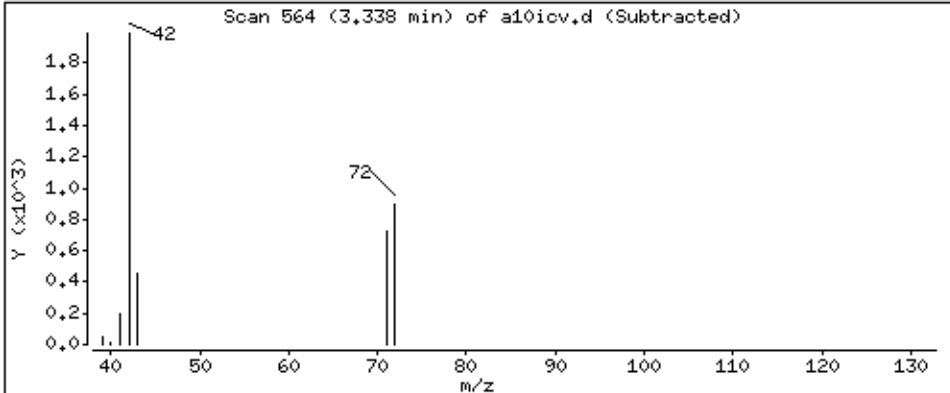
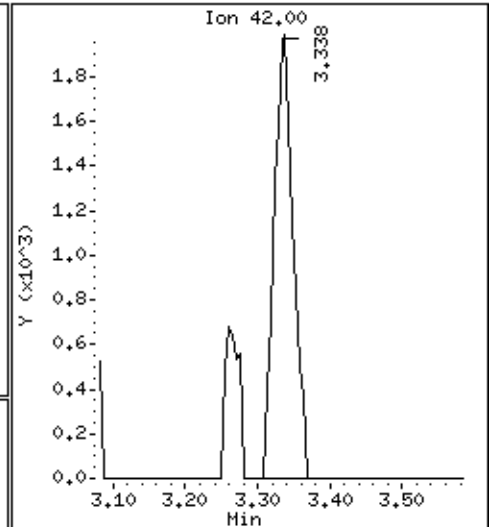
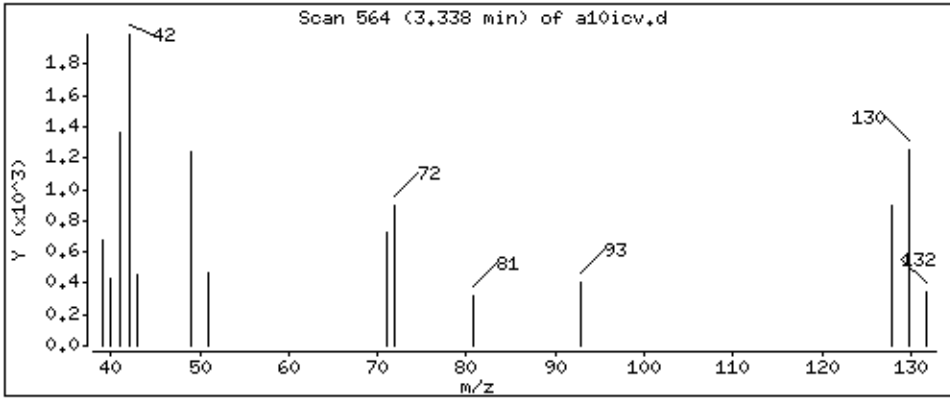
Column phase: DB-624

Column diameter: 0,18

30 Tetrahydrofuran

Concentration: 52.2 ppb

Review Code:



Date : 19-JUN-2014 19:38

Client ID: 8260-ICV,71105;0

Instrument: 50mv3a.i

Sample Info: 8260-ICV,71105;0

Purge Volume: 5.0

Operator: jlz

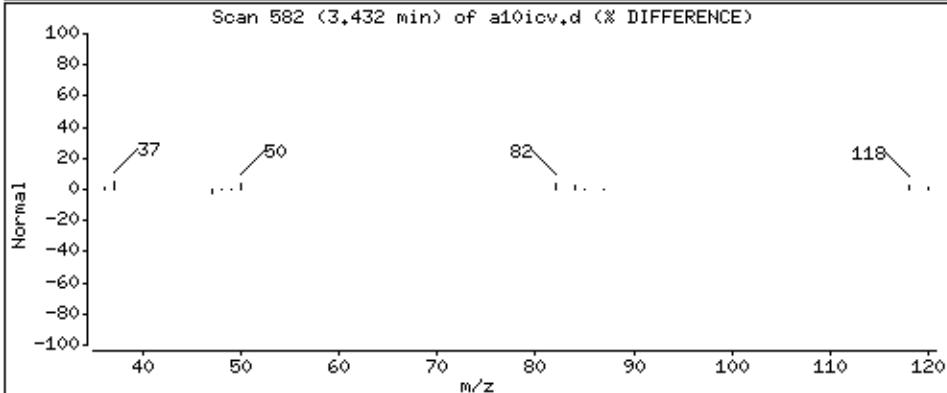
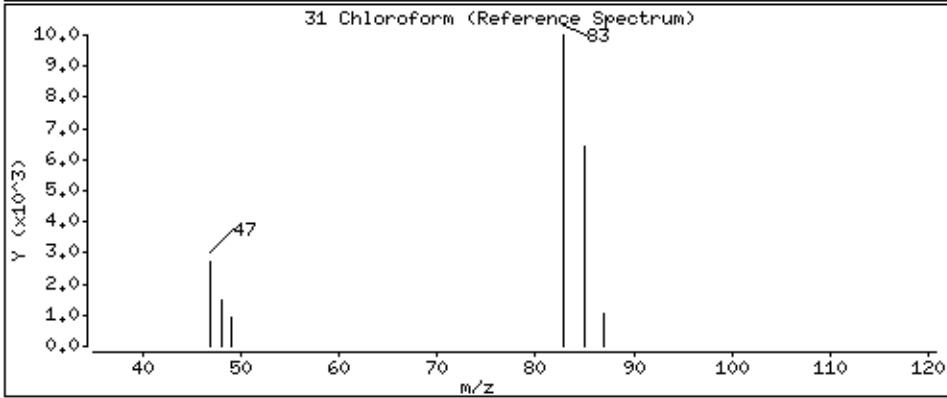
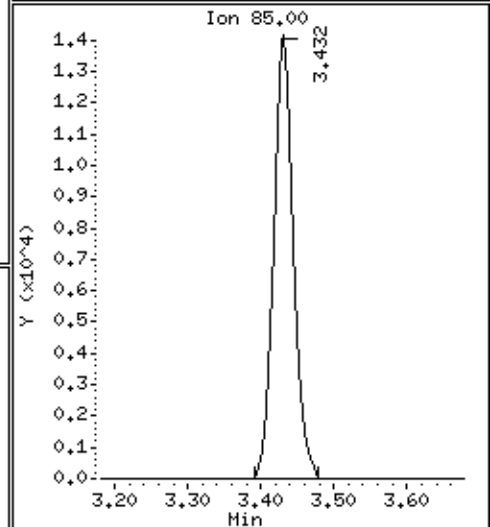
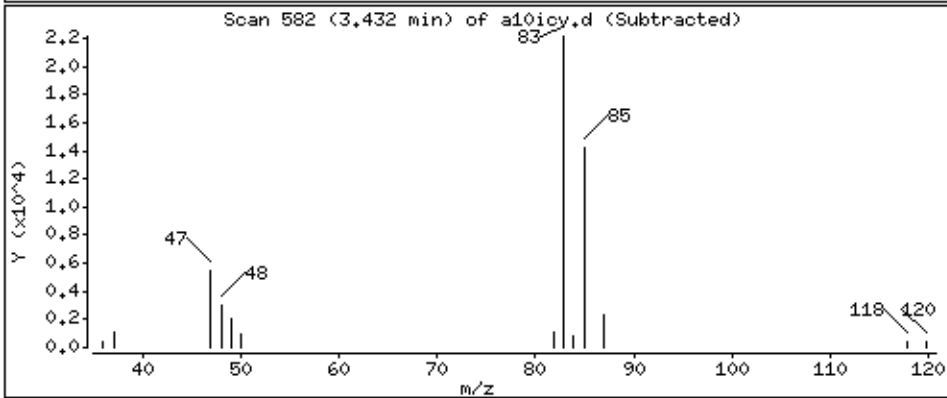
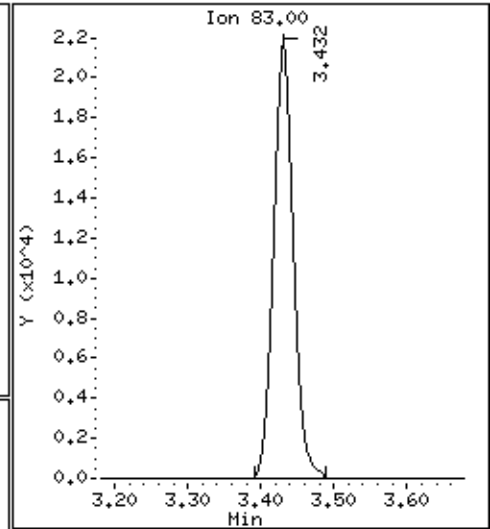
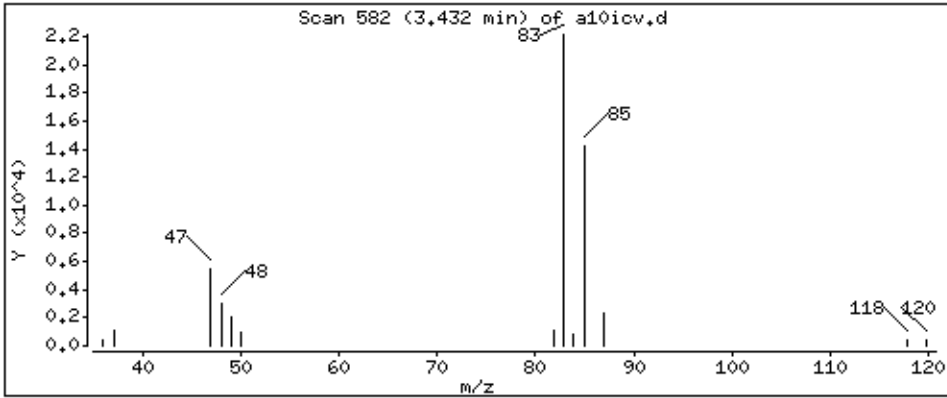
Column phase: DB-624

Column diameter: 0,18

31 Chloroform

Concentration: 47.2 ppb

Review Code:



Date : 19-JUN-2014 19:38

Client ID: 8260-ICV,71105;0

Instrument: 50mv3a.i

Sample Info: 8260-ICV,71105;0

Purge Volume: 5.0

Operator: jlz

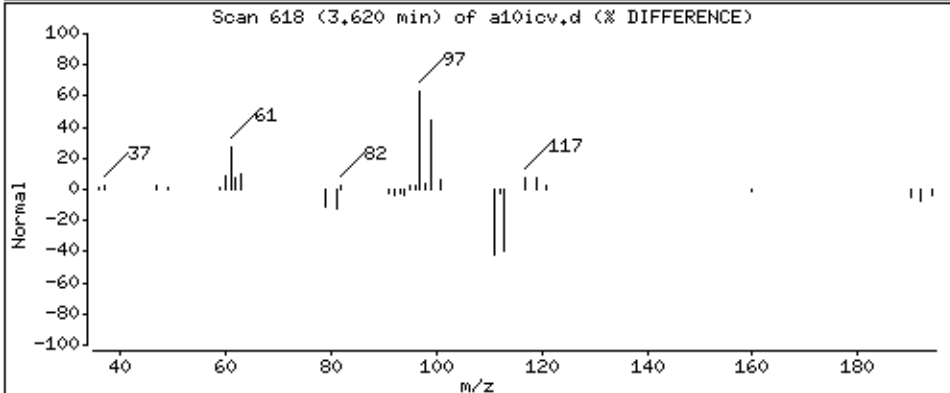
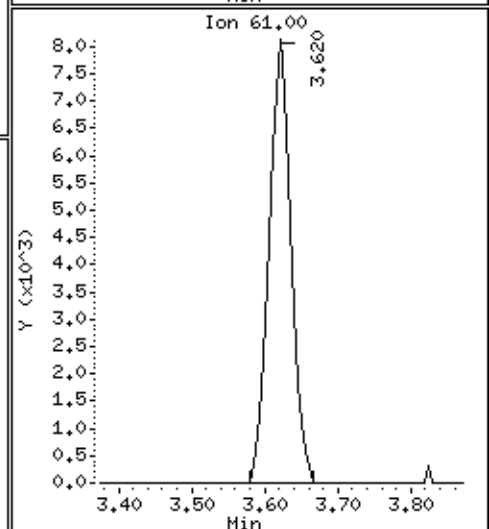
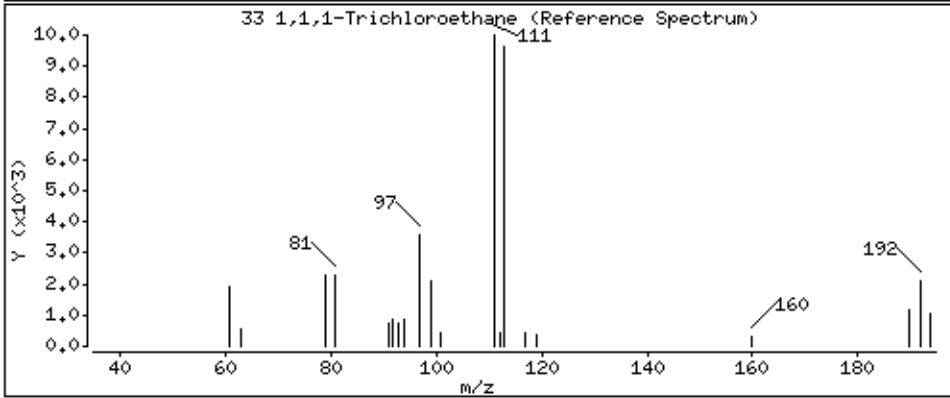
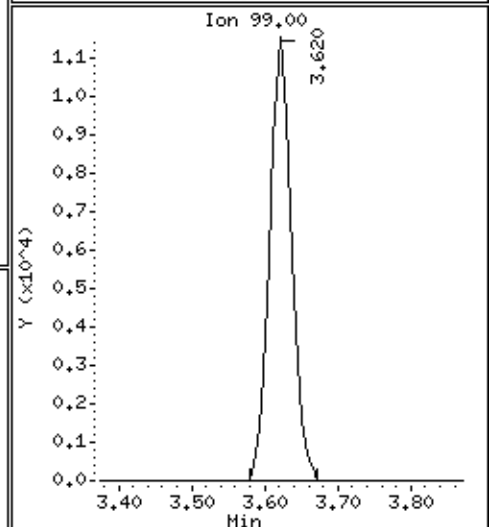
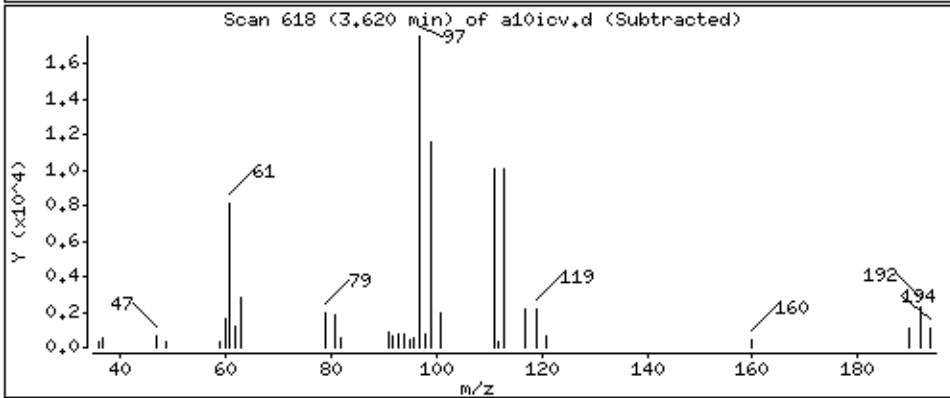
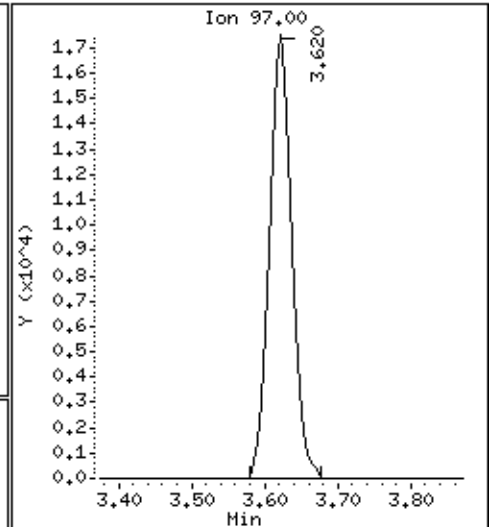
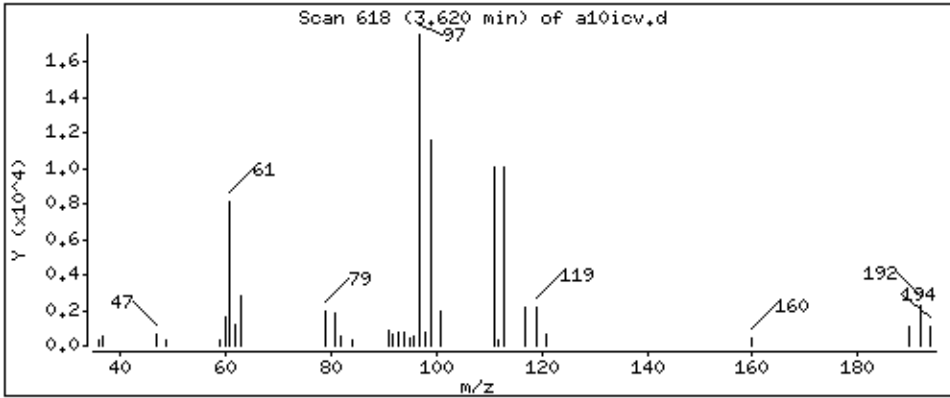
Column phase: DB-624

Column diameter: 0,18

33 1,1,1-Trichloroethane

Concentration: 47,8 ppb

Review Code:



Date : 19-JUN-2014 19:38

Client ID: 8260-ICV,71105:0

Instrument: 50mw3a.i

Sample Info: 8260-ICV,71105:0

Purge Volume: 5.0

Operator: jlz

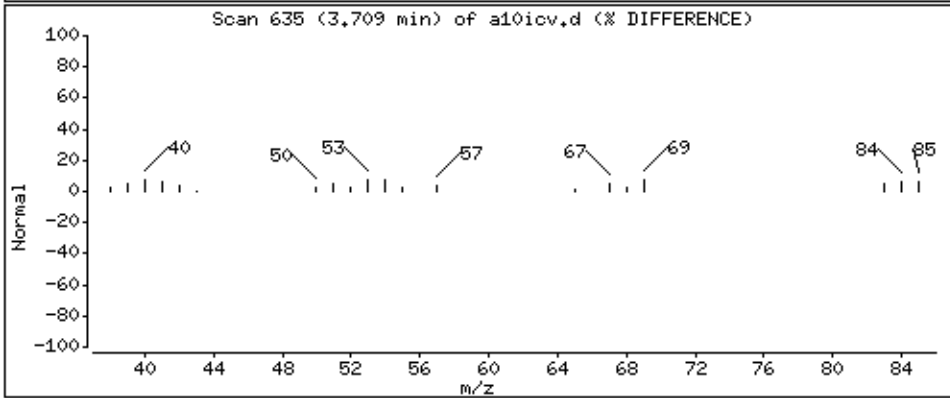
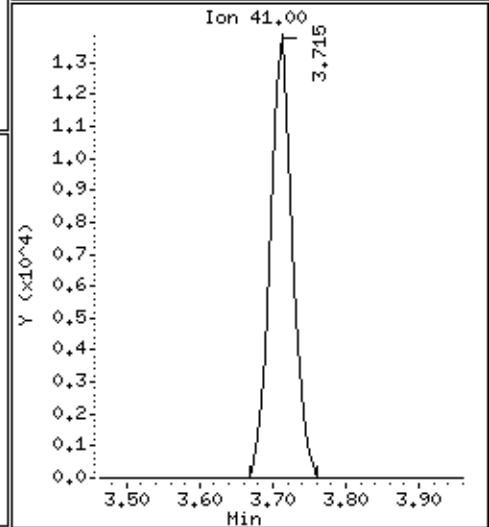
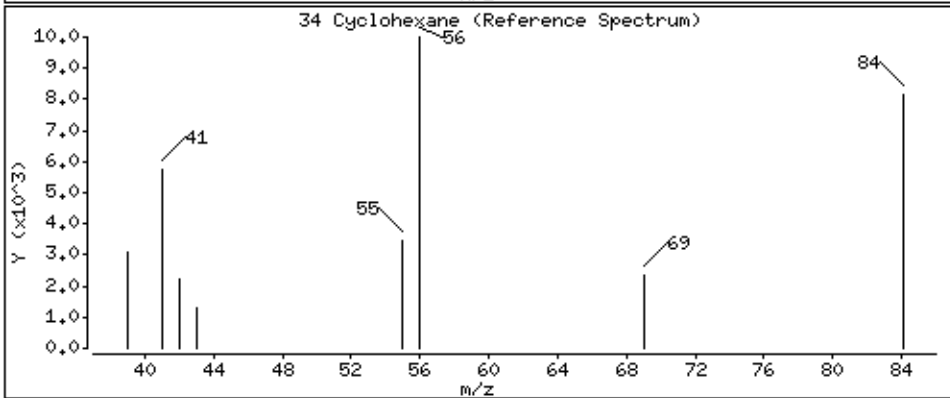
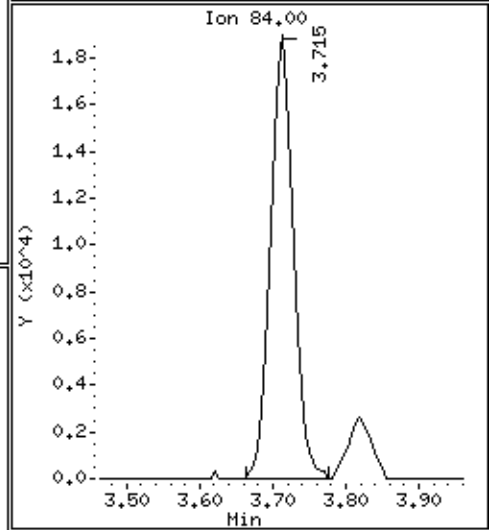
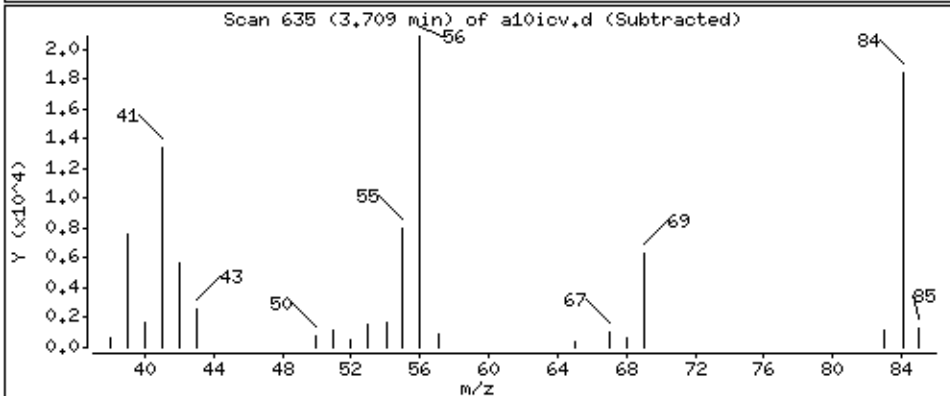
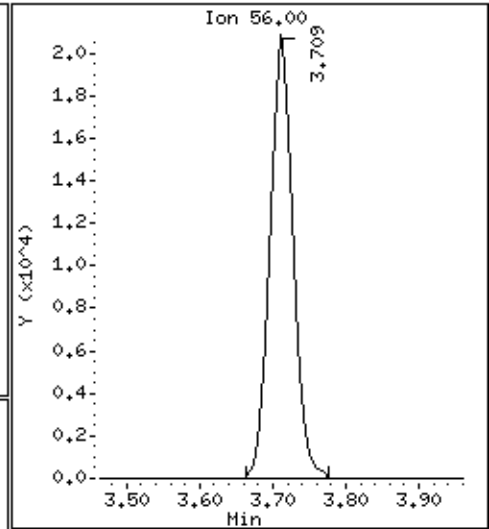
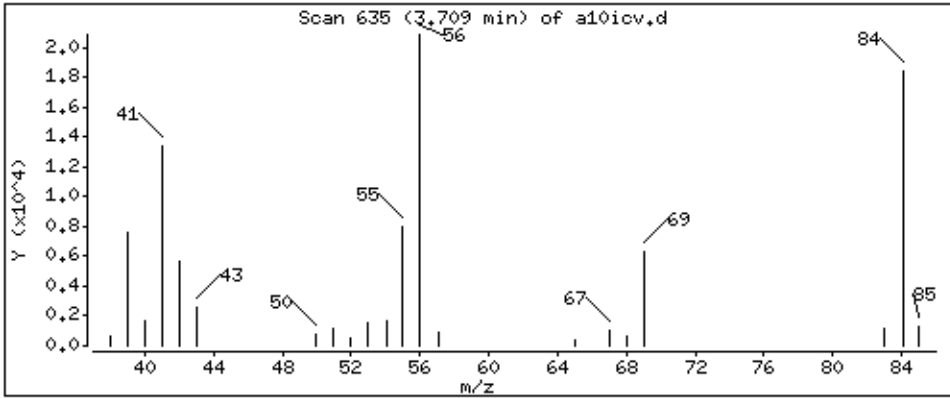
Column phase: DB-624

Column diameter: 0,18

34 Cyclohexane

Concentration: 50,4 ppb

Review Code:



Date : 19-JUN-2014 19:38

Client ID: 8260-ICV,71105;0

Instrument: 50mv3a.i

Sample Info: 8260-ICV,71105;0

Purge Volume: 5.0

Operator: jlz

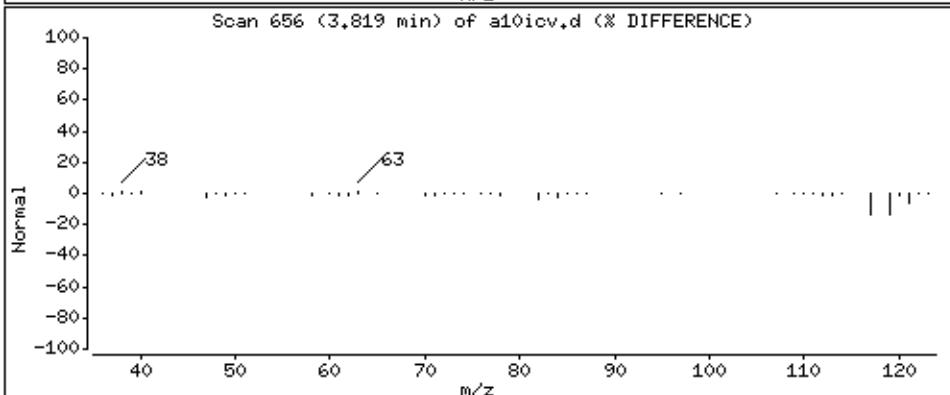
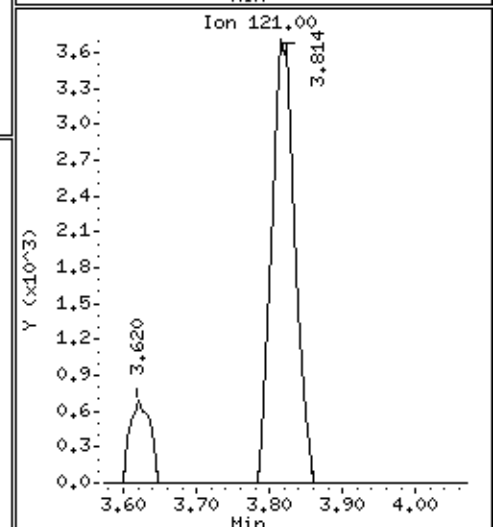
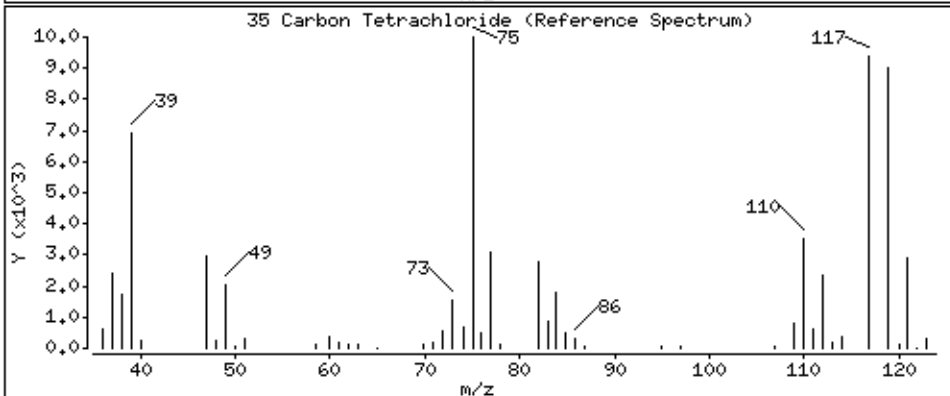
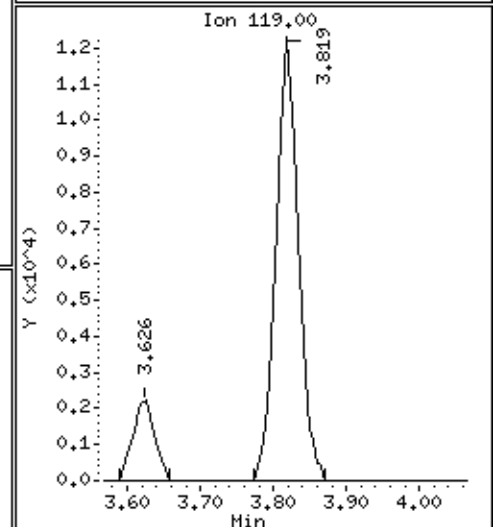
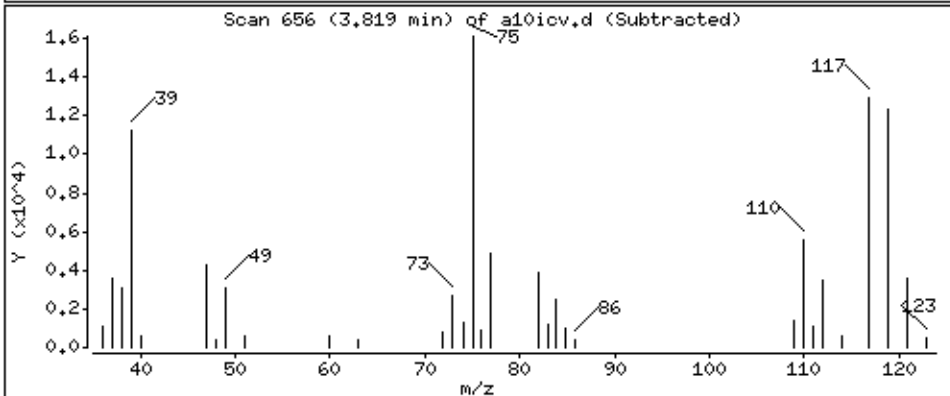
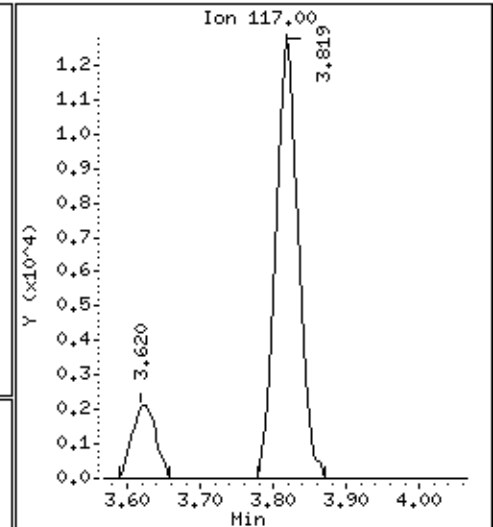
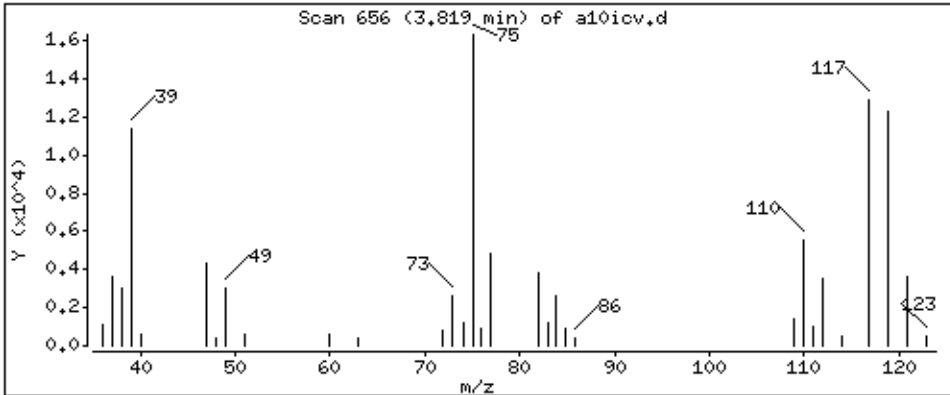
Column phase: DB-624

Column diameter: 0,18

35 Carbon Tetrachloride

Concentration: 42.6 ppb

Review Code:



Date : 19-JUN-2014 19:38

Client ID: 8260-ICV,71105:0

Instrument: 50mv3a.i

Sample Info: 8260-ICV,71105:0

Purge Volume: 5.0

Operator: jlz

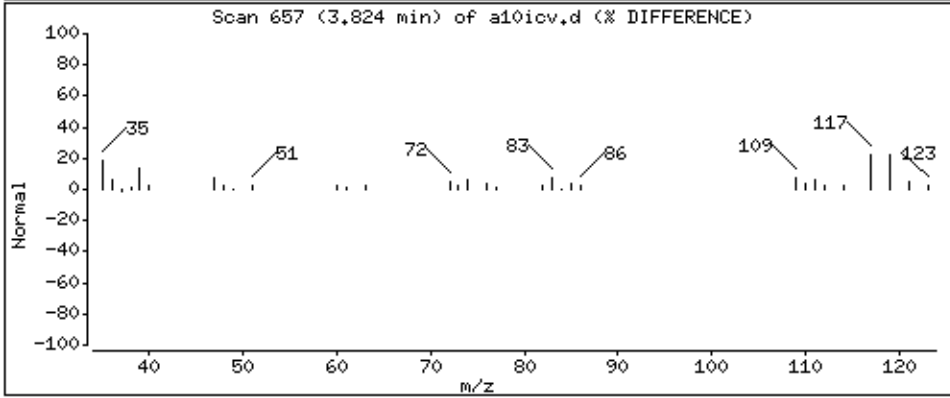
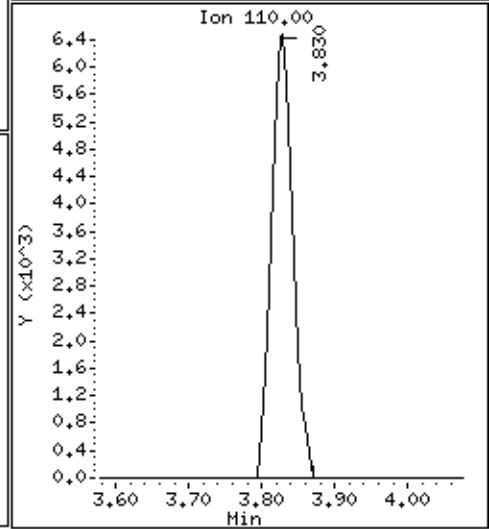
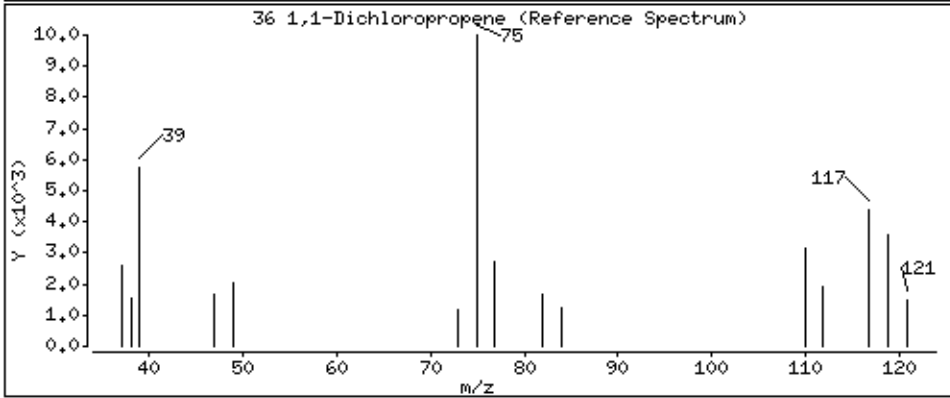
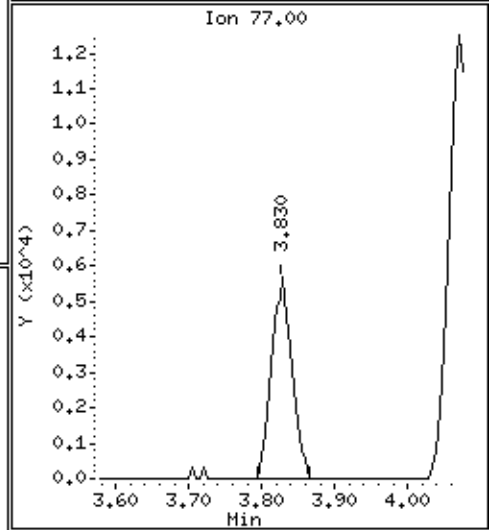
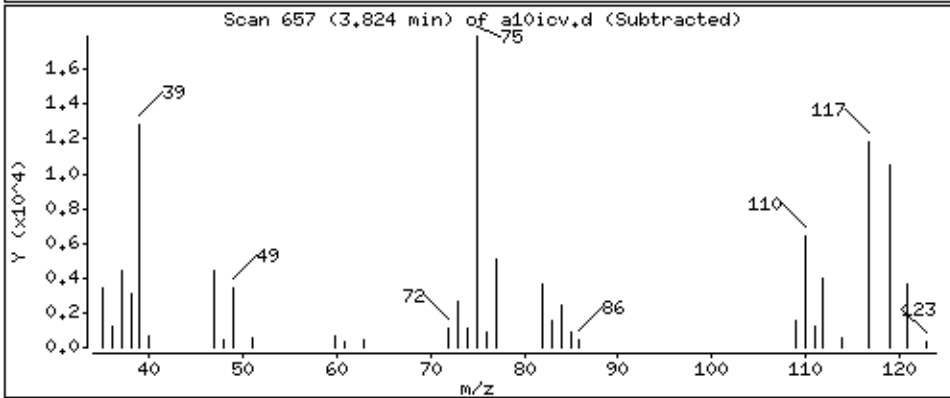
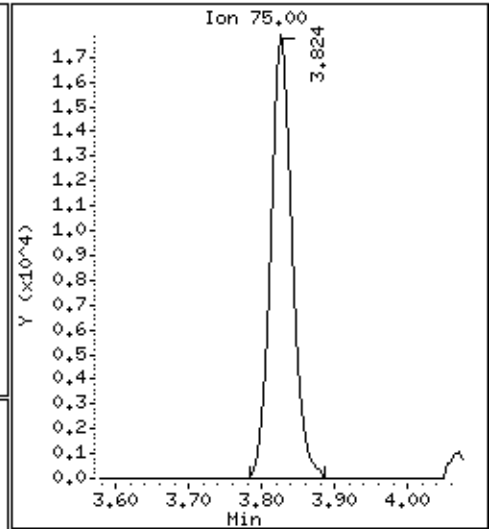
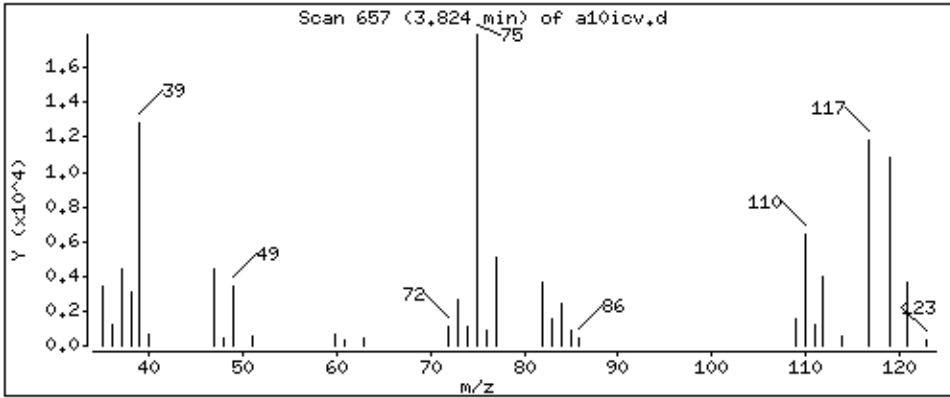
Column phase: DB-624

Column diameter: 0,18

36 1,1-Dichloropropene

Concentration: 47,3 ppb

Review Code:



Date : 19-JUN-2014 19:38

Client ID: 8260-ICV,71105:0

Instrument: 50mw3a.i

Sample Info: 8260-ICV,71105:0

Purge Volume: 5.0

Operator: jlz

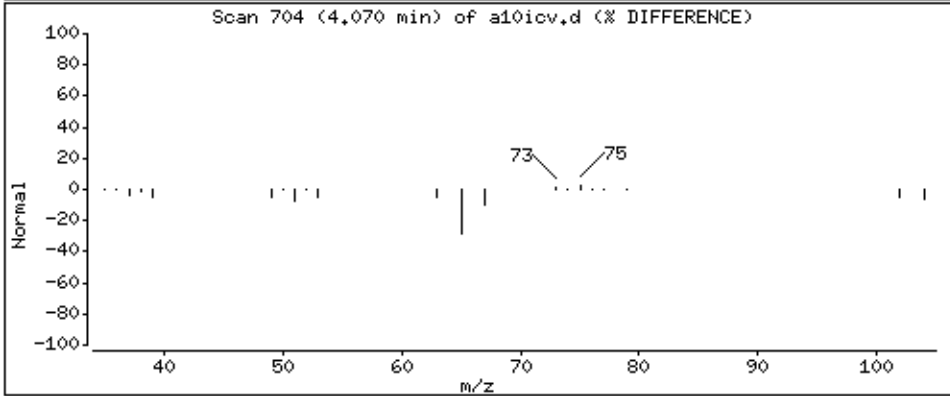
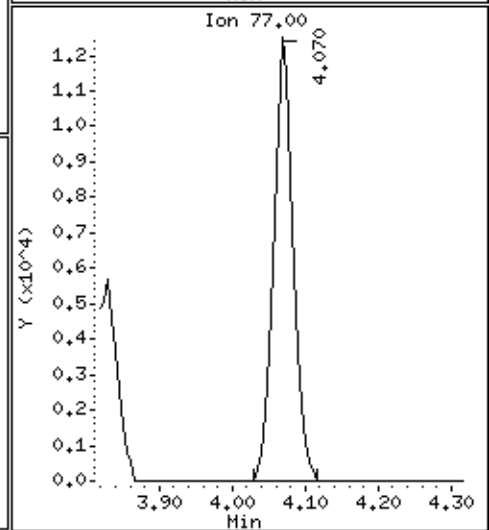
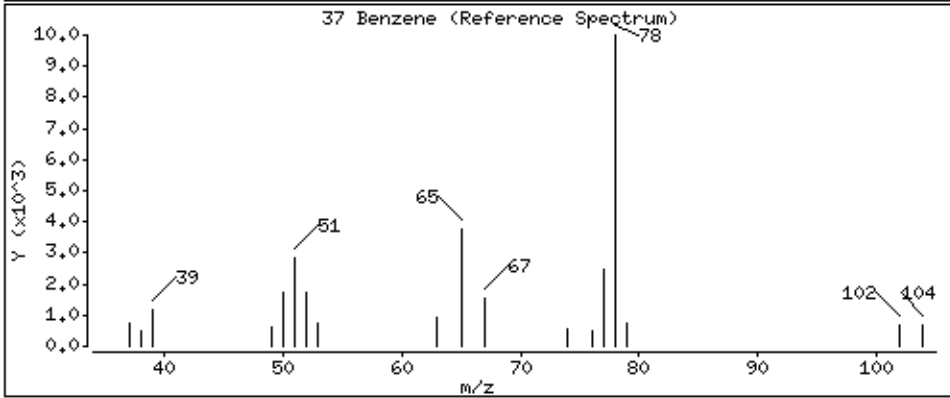
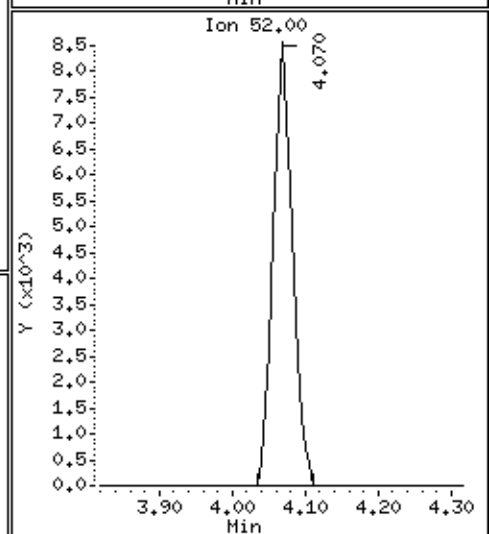
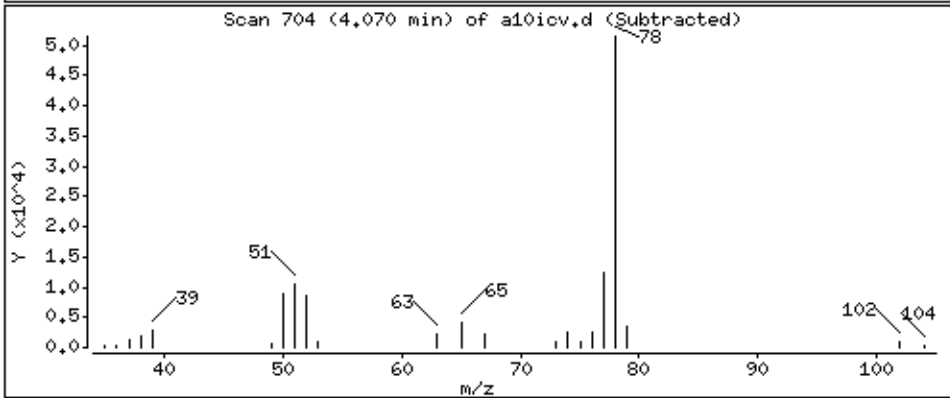
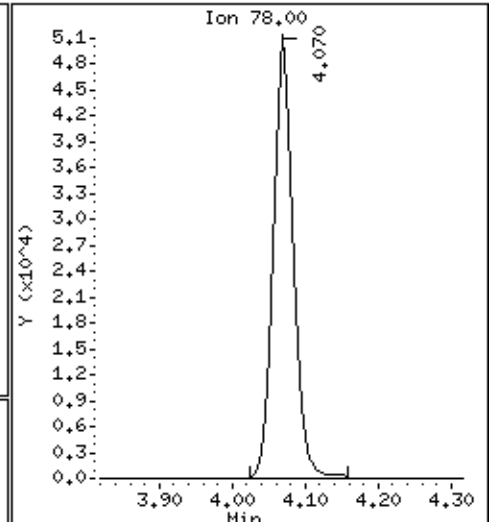
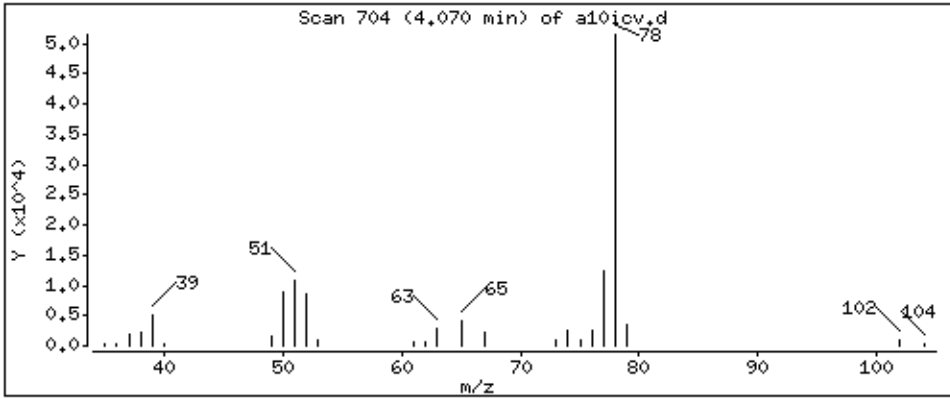
Column phase: DB-624

Column diameter: 0,18

37 Benzene

Concentration: 50,3 ppb

Review Code:



Date : 19-JUN-2014 19:38

Client ID: 8260-ICV,71105;0

Instrument: 50mv3a.i

Sample Info: 8260-ICV,71105;0

Purge Volume: 5.0

Operator: jlz

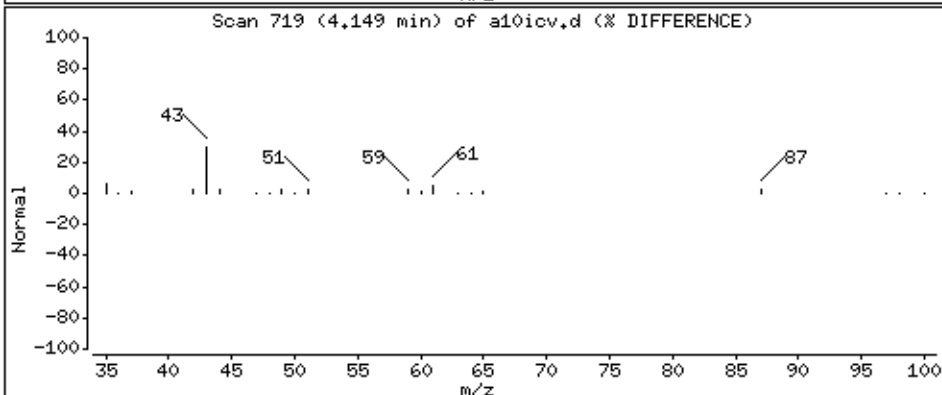
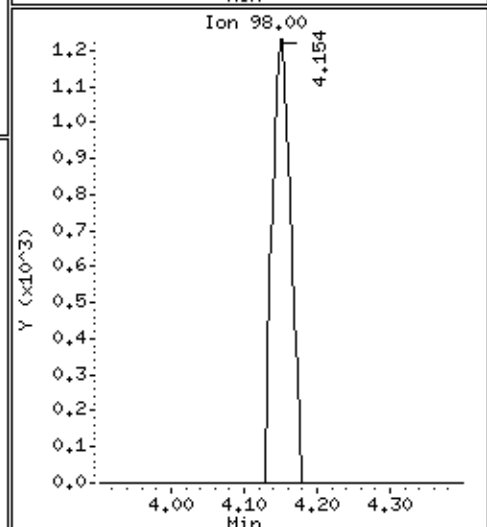
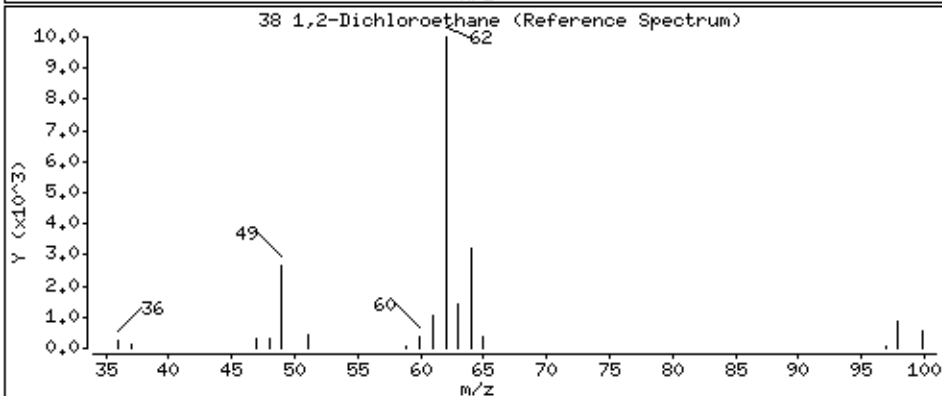
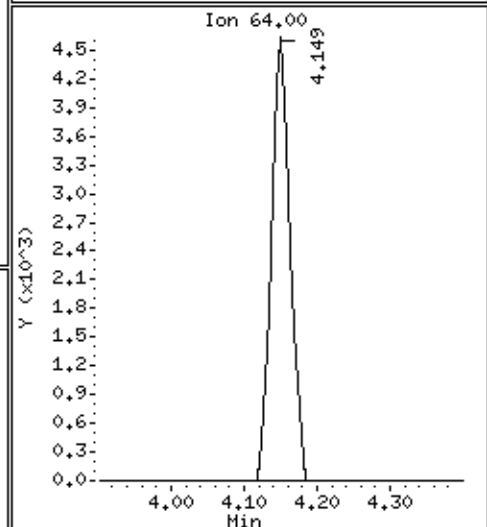
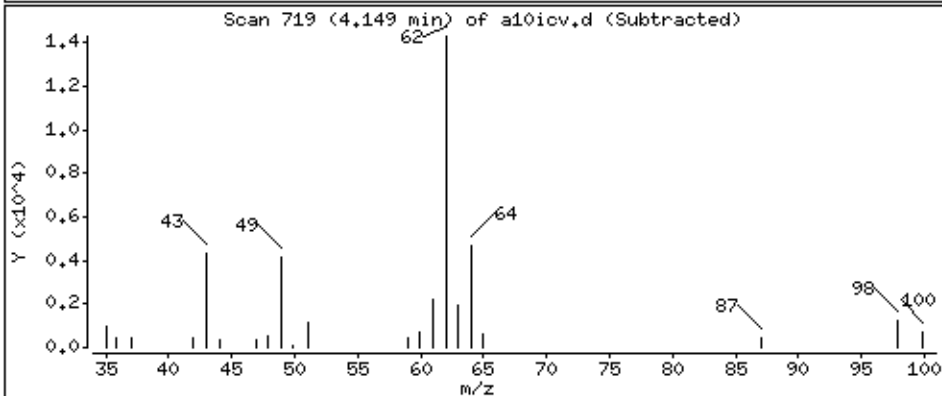
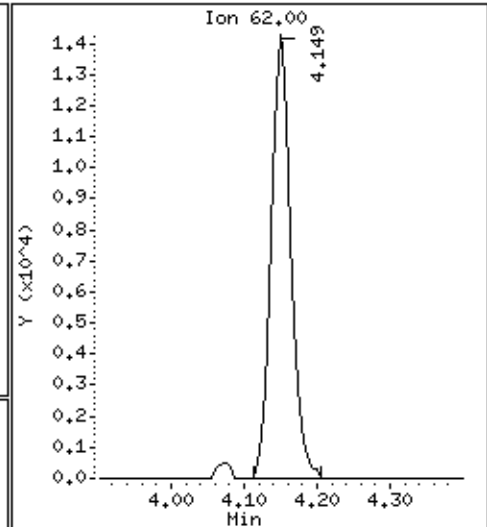
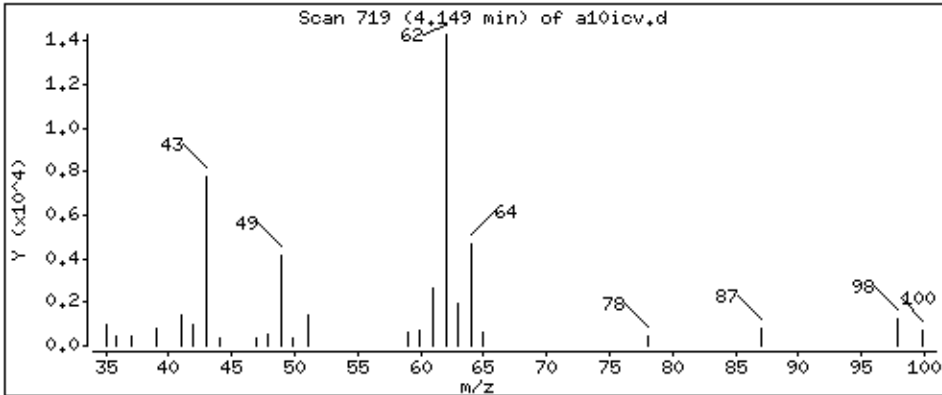
Column phase: DB-624

Column diameter: 0,18

38 1,2-Dichloroethane

Concentration: 48,9 ppb

Review Code:



Date : 19-JUN-2014 19:38

Client ID: 8260-ICV,71105:0

Instrument: 50mw3a.i

Sample Info: 8260-ICV,71105:0

Purge Volume: 5.0

Operator: jlz

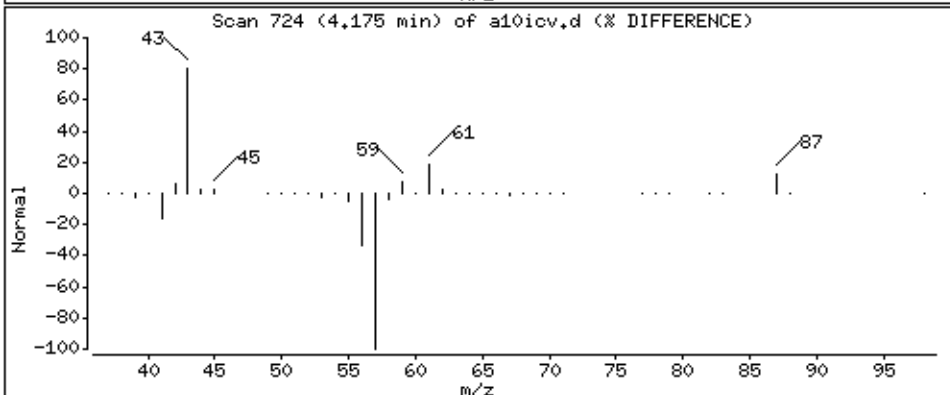
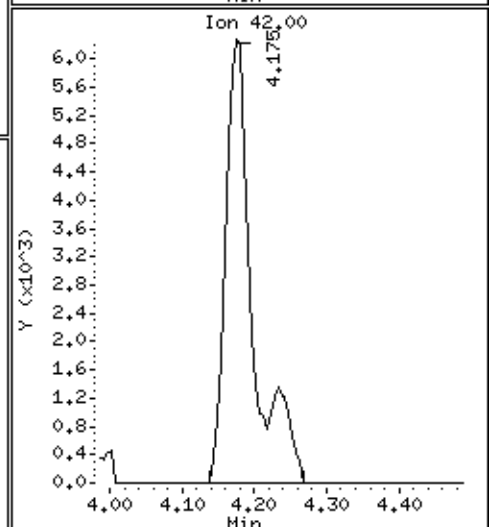
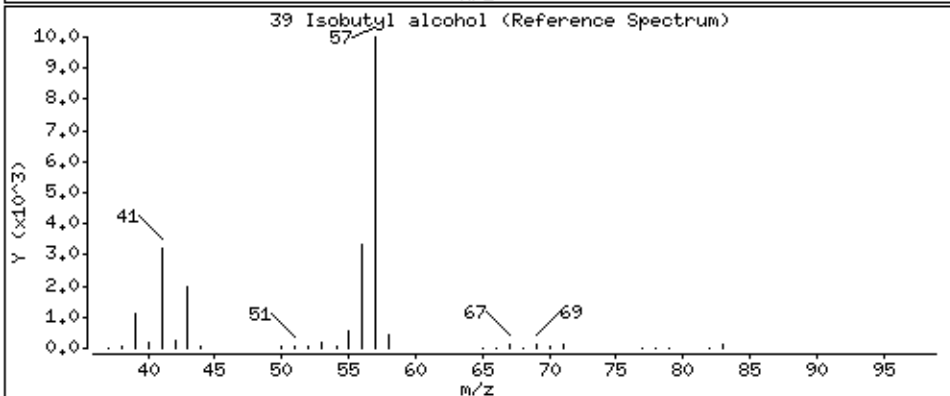
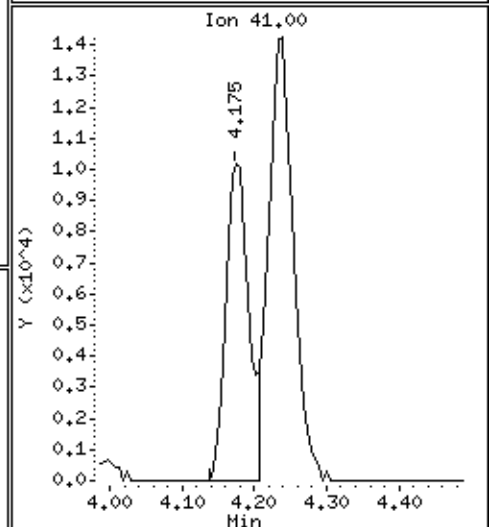
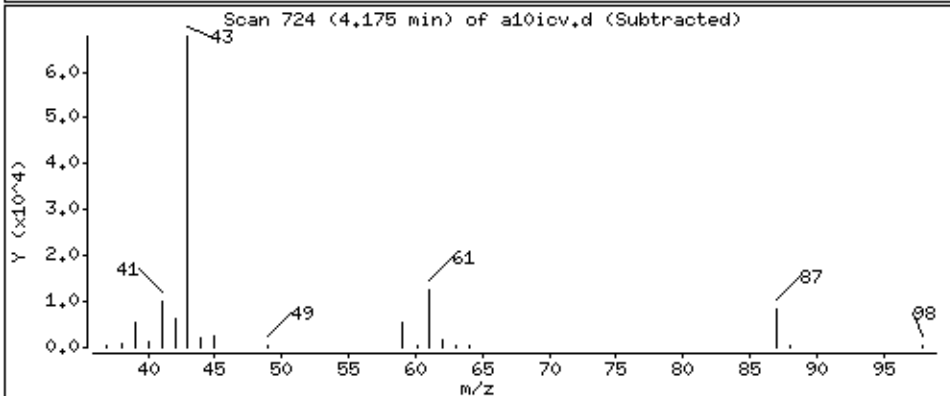
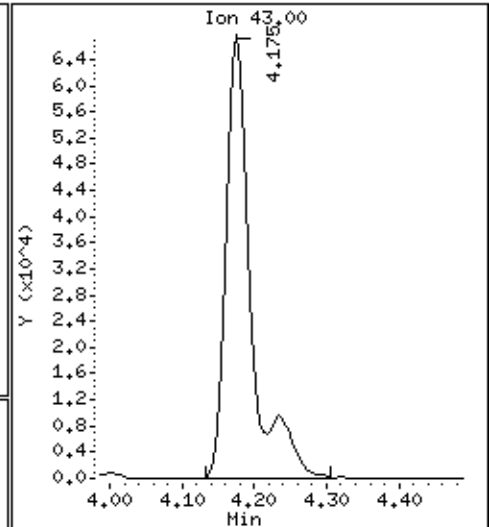
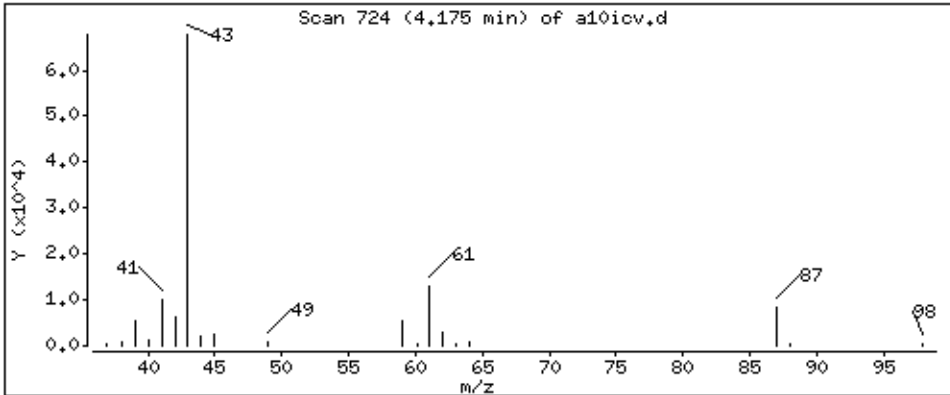
Column phase: DB-624

Column diameter: 0,18

39 Isobutyl alcohol

Concentration: 364 ppb

Review Code:



Date : 19-JUN-2014 19:38

Client ID: 8260-ICV,71105;0

Instrument: 50mw3a.i

Sample Info: 8260-ICV,71105;0

Purge Volume: 5.0

Operator: jlz

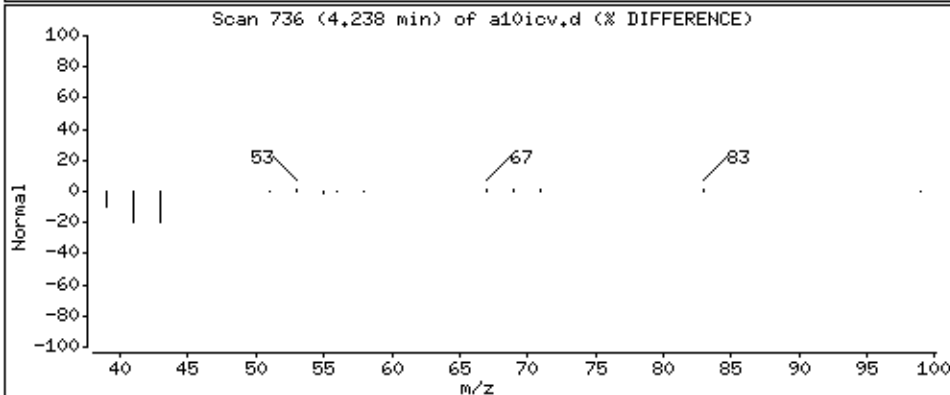
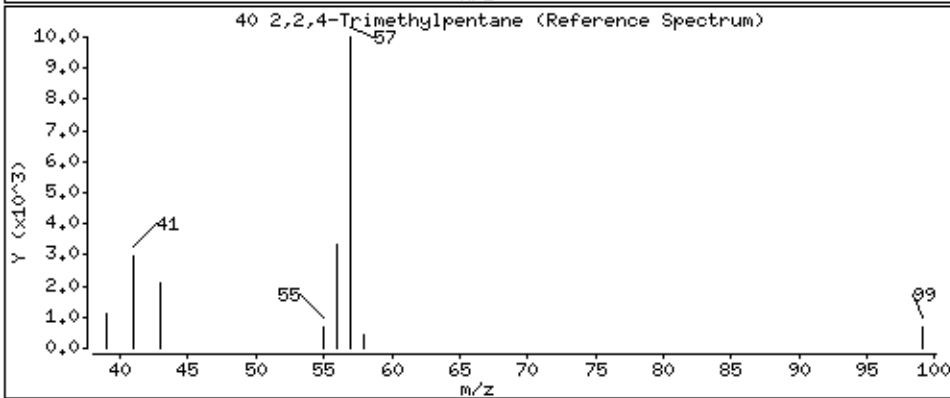
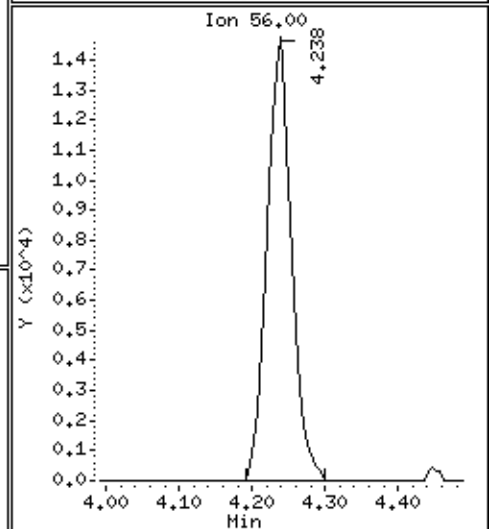
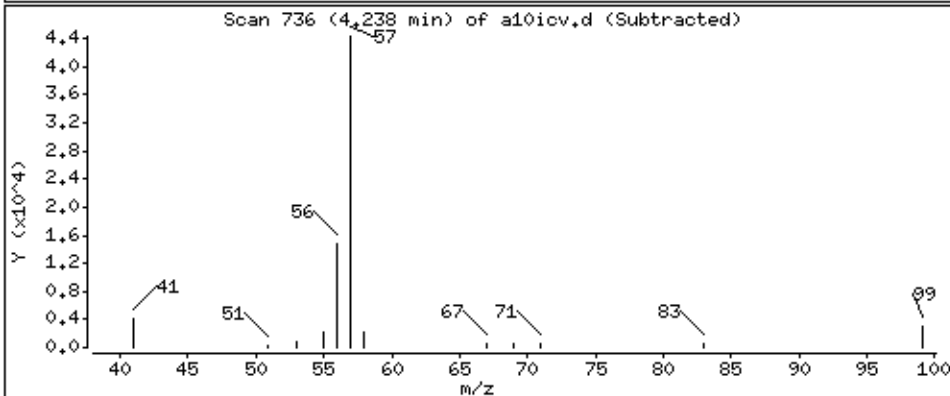
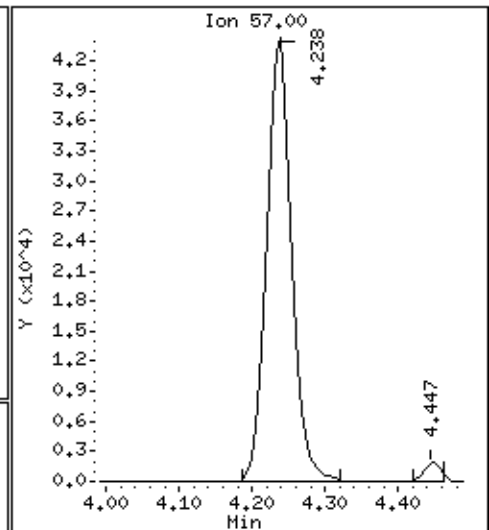
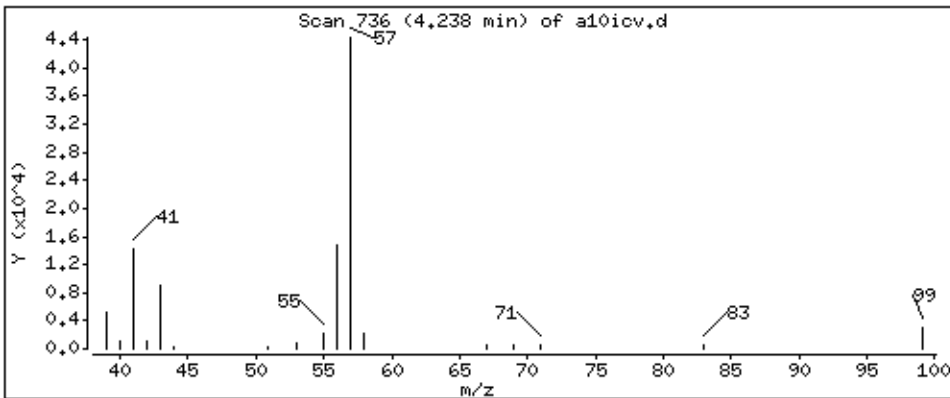
Column phase: DB-624

Column diameter: 0,18

40 2,2,4-Trimethylpentane

Concentration: 47.0 ppb

Review Code:



Date : 19-JUN-2014 19:38

Client ID: 8260-ICV,71105;0

Instrument: 50mw3a.i

Sample Info: 8260-ICV,71105;0

Purge Volume: 5.0

Operator: jlz

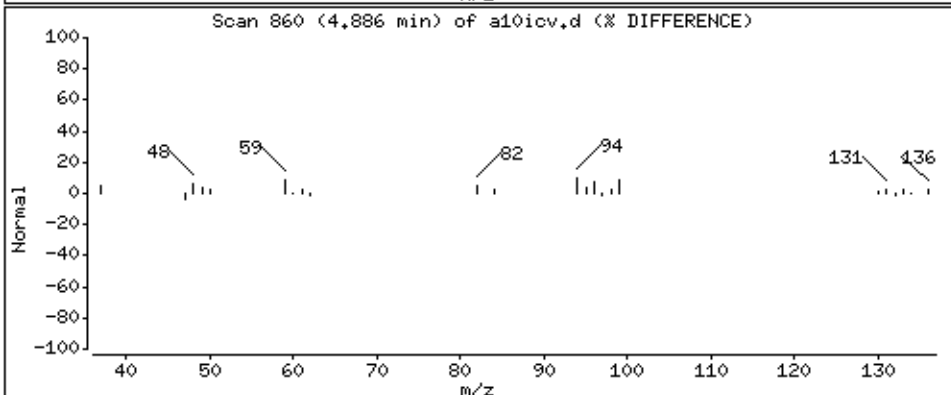
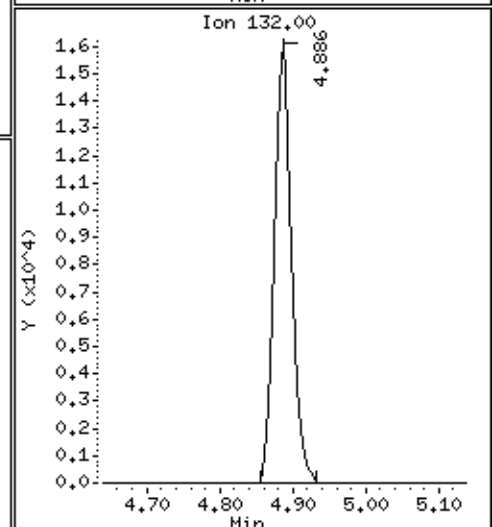
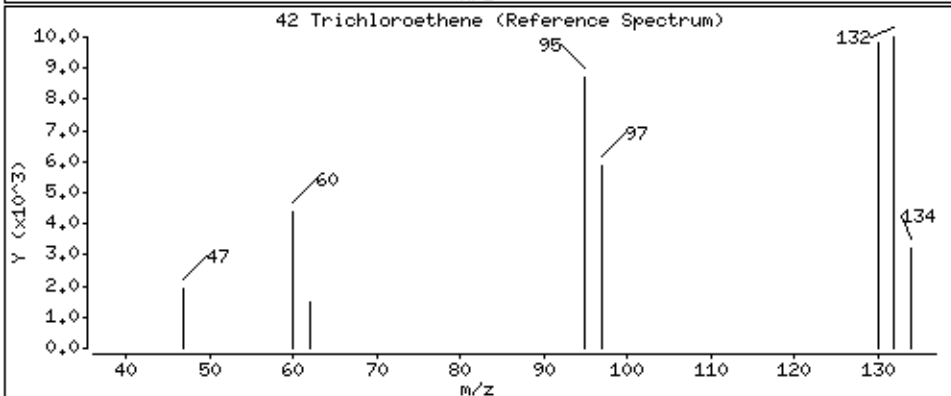
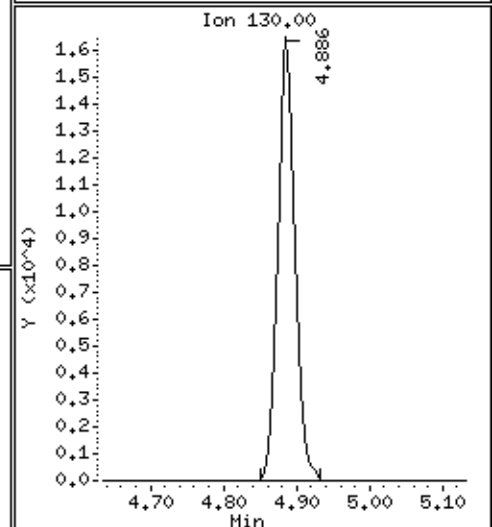
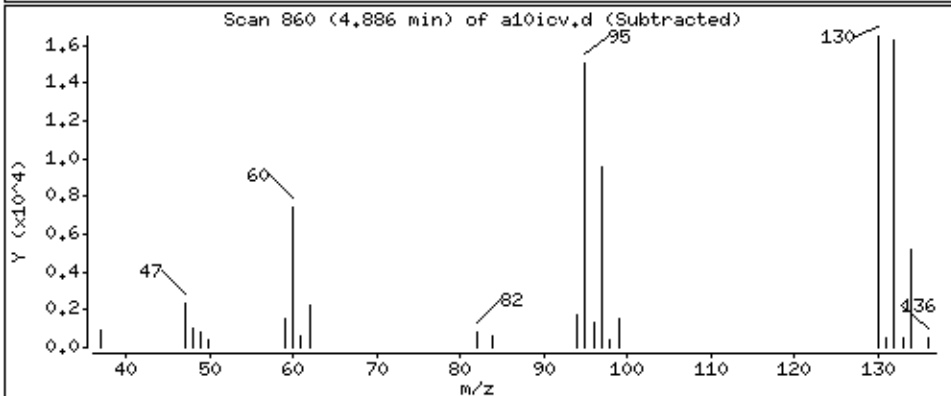
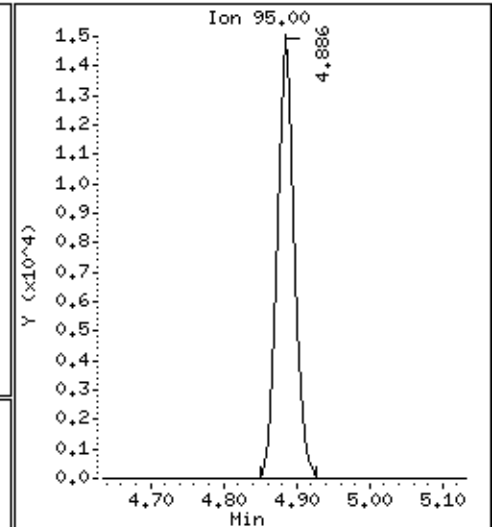
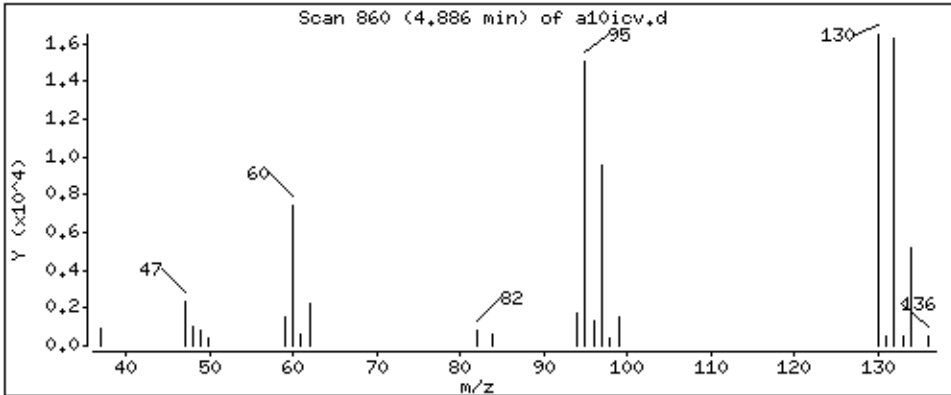
Column phase: DB-624

Column diameter: 0,18

42 Trichloroethene

Concentration: 46,7 ppb

Review Code:



Date : 19-JUN-2014 19:38

Client ID: 8260-ICV,71105;0

Instrument: 50mw3a.i

Sample Info: 8260-ICV,71105;0

Purge Volume: 5.0

Operator: jlz

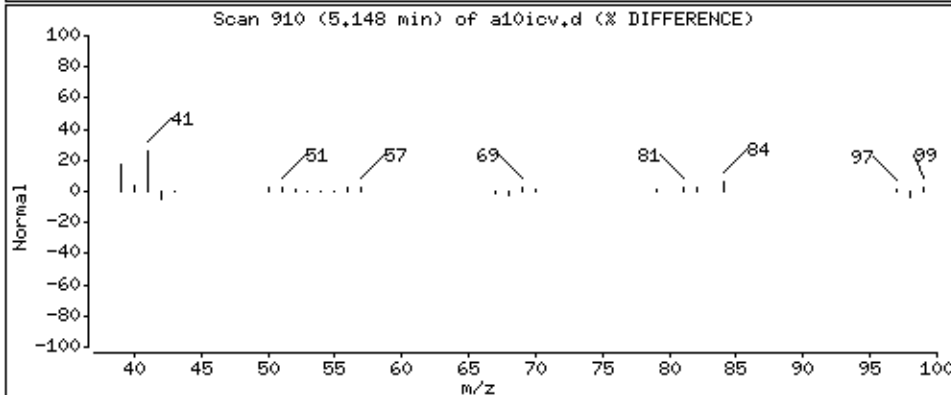
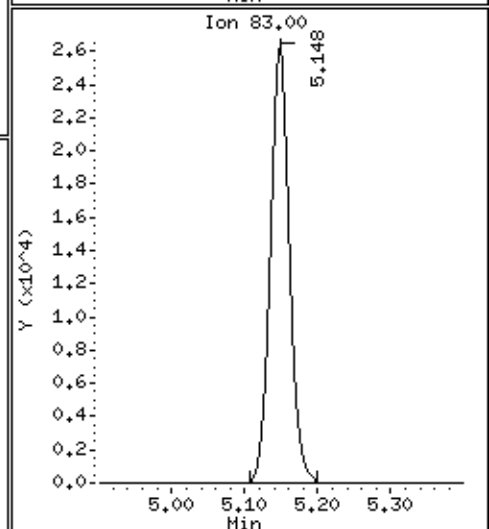
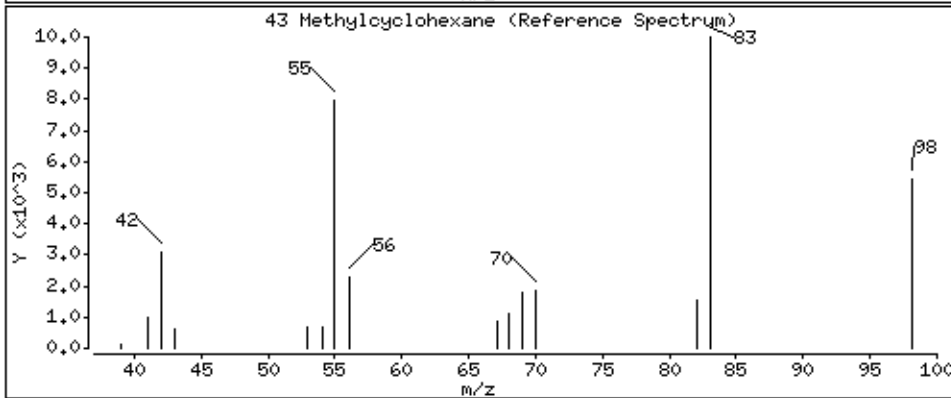
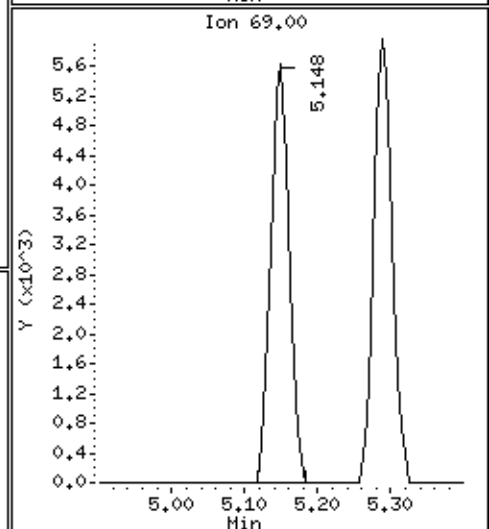
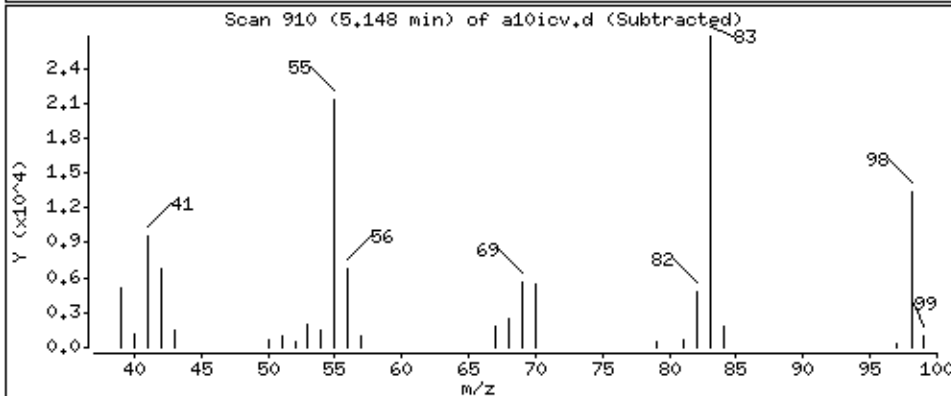
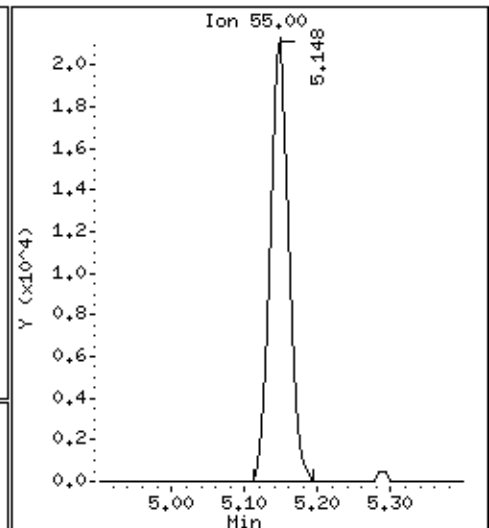
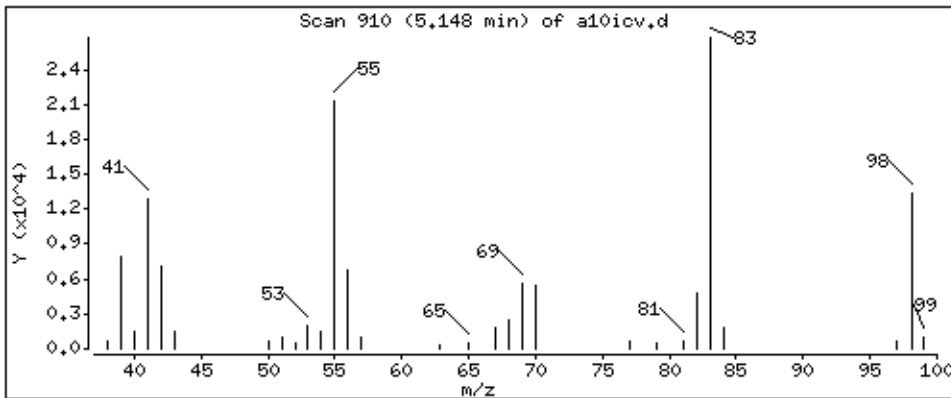
Column phase: DB-624

Column diameter: 0,18

43 Methylcyclohexane

Concentration: 49.3 ppb

Review Code:



Date : 19-JUN-2014 19:38

Client ID: 8260-ICV,71105:0

Instrument: 50mv3a.i

Sample Info: 8260-ICV,71105:0

Purge Volume: 5.0

Operator: jlz

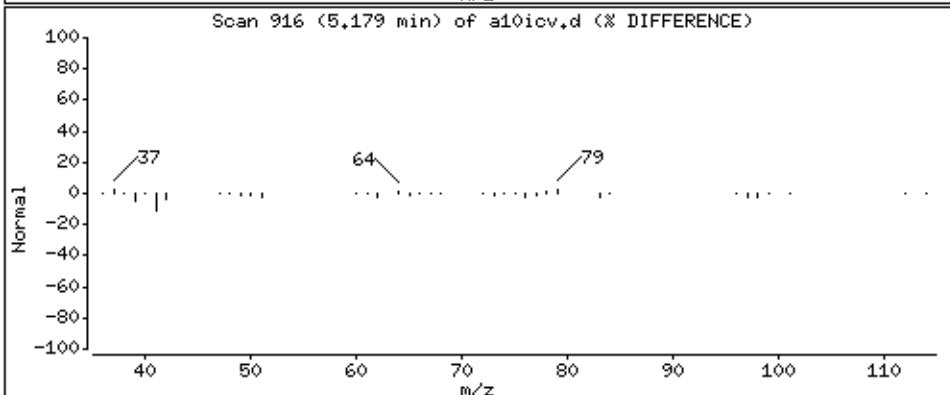
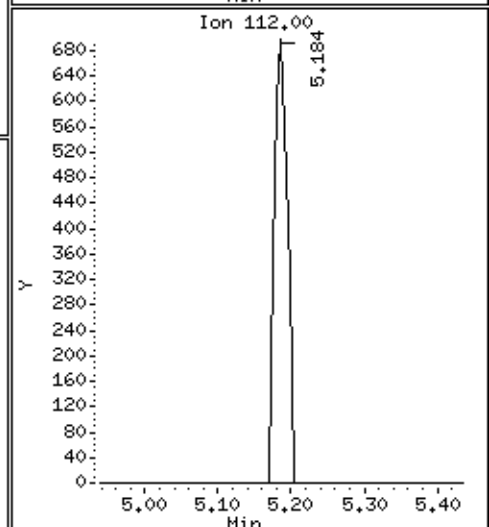
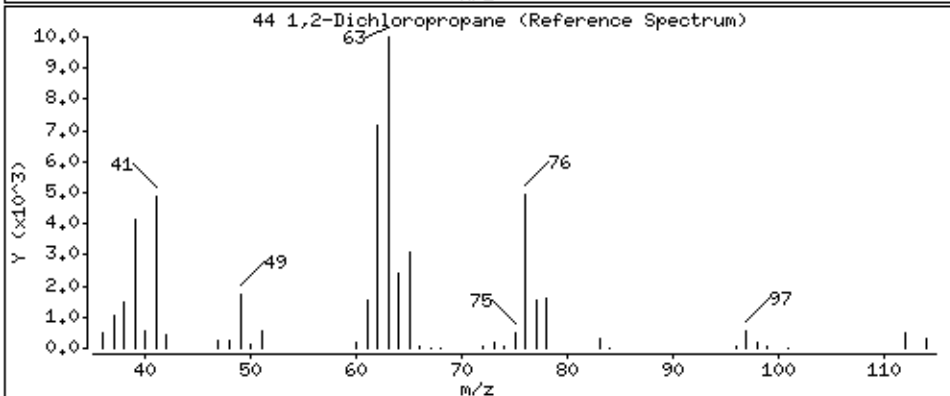
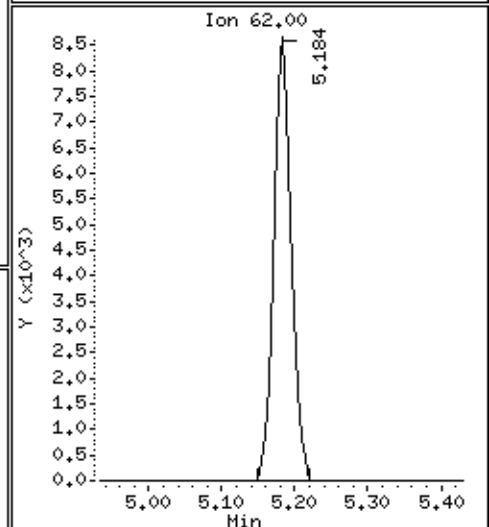
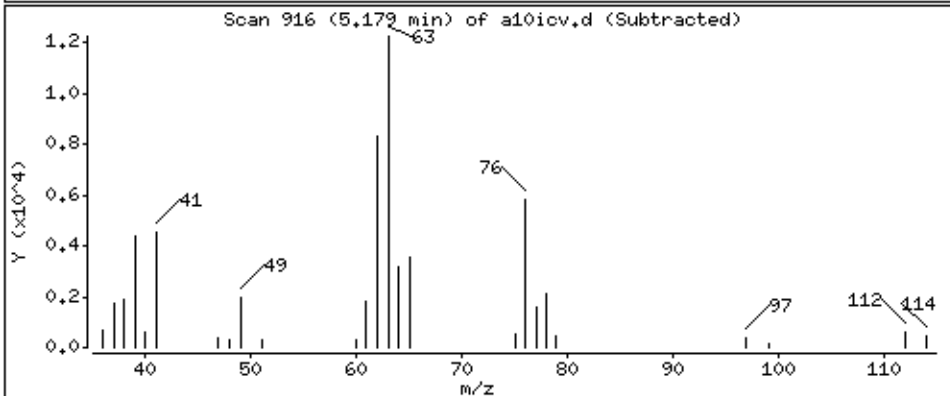
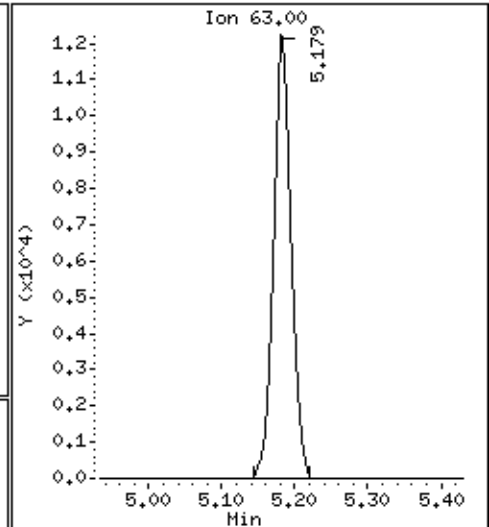
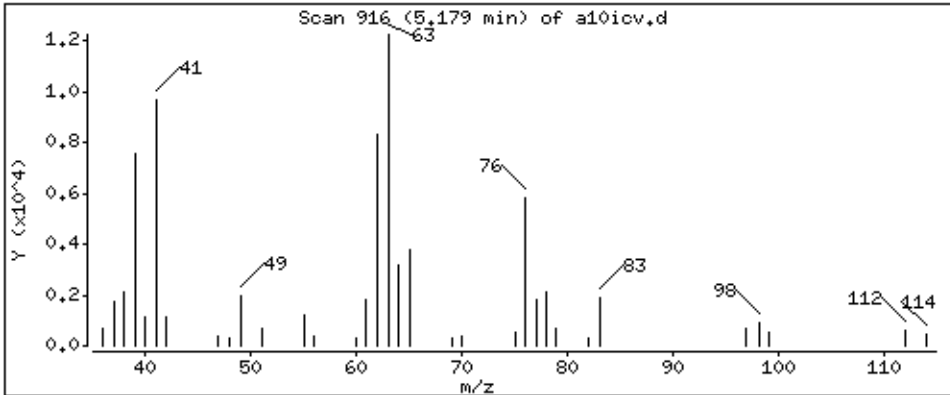
Column phase: DB-624

Column diameter: 0,18

44 1,2-Dichloropropane

Concentration: 46,6 ppb

Review Code:



Date : 19-JUN-2014 19:38

Client ID: 8260-ICV,71105;0

Instrument: 50mw3a.i

Sample Info: 8260-ICV,71105;0

Purge Volume: 5.0

Operator: jlz

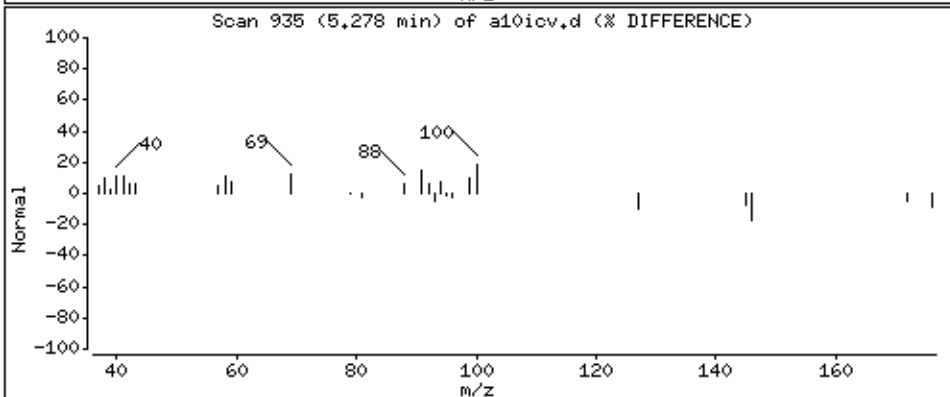
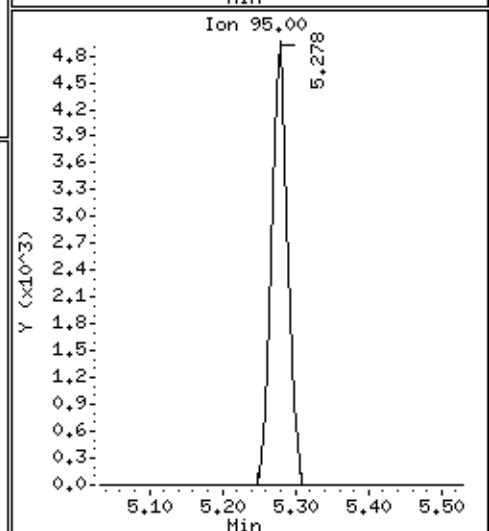
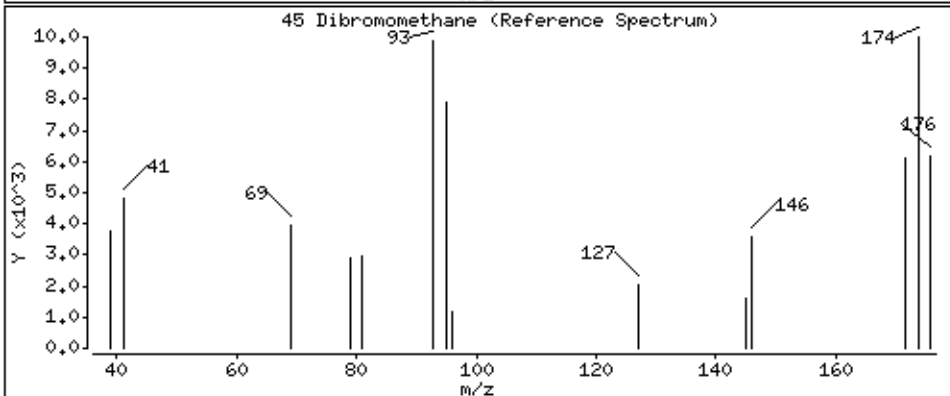
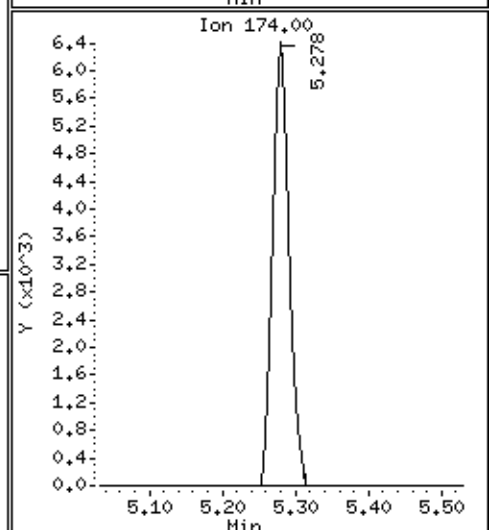
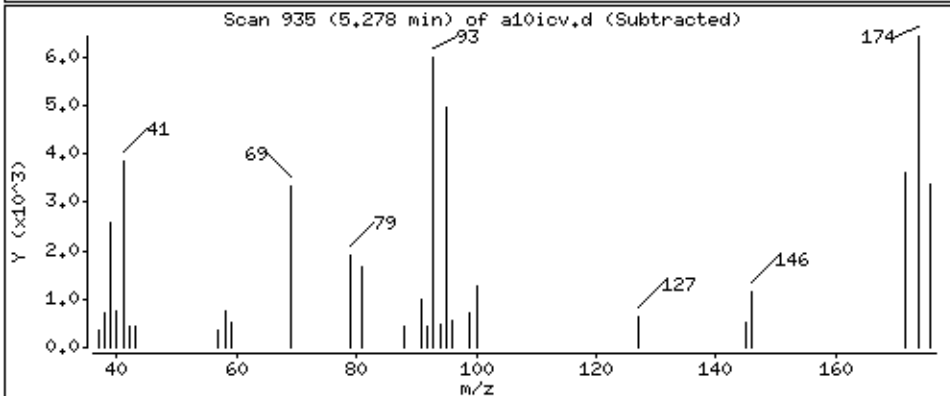
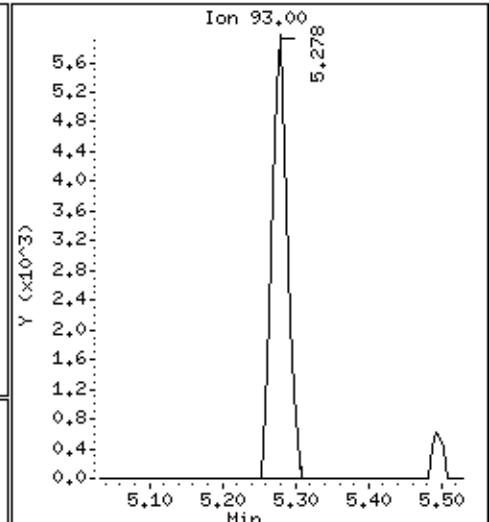
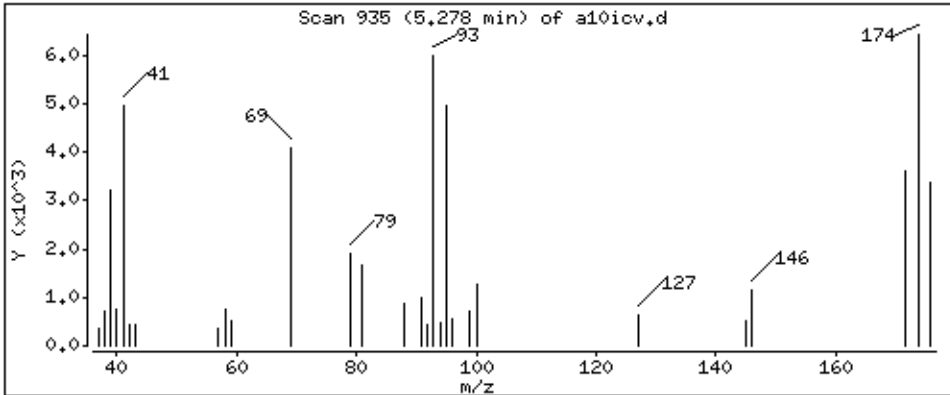
Column phase: DB-624

Column diameter: 0,18

45 Dibromomethane

Concentration: 46,3 ppb

Review Code:



Date : 19-JUN-2014 19:38

Client ID: 8260-ICV,71105:0

Instrument: 50mw3a.i

Sample Info: 8260-ICV,71105:0

Purge Volume: 5.0

Operator: jlz

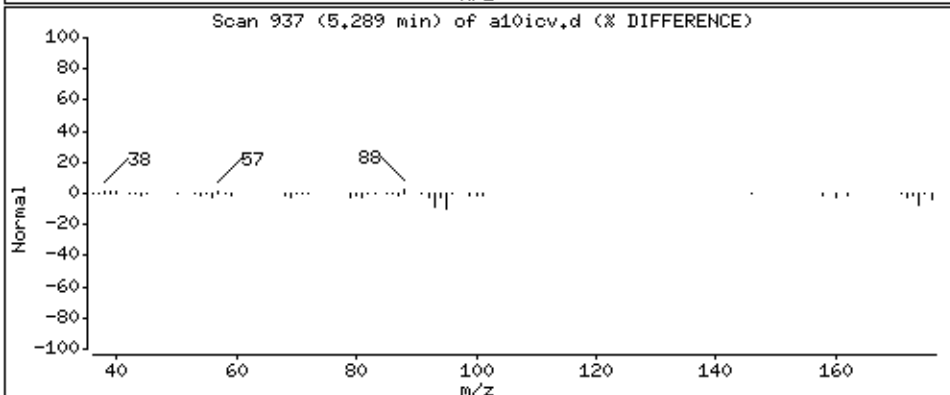
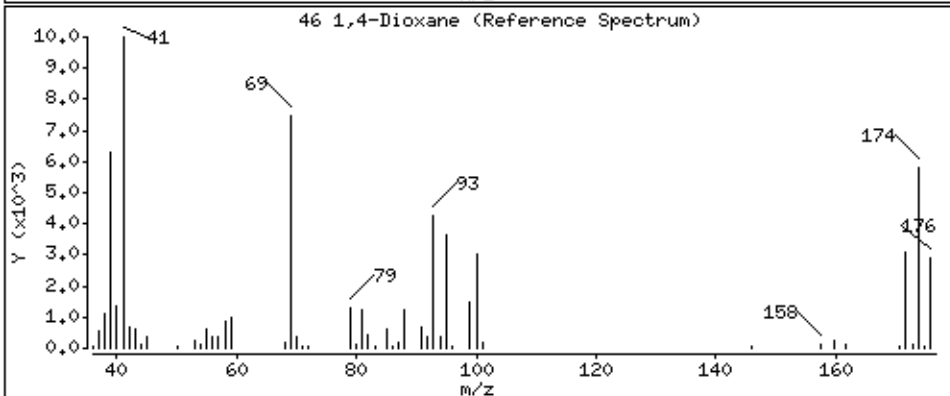
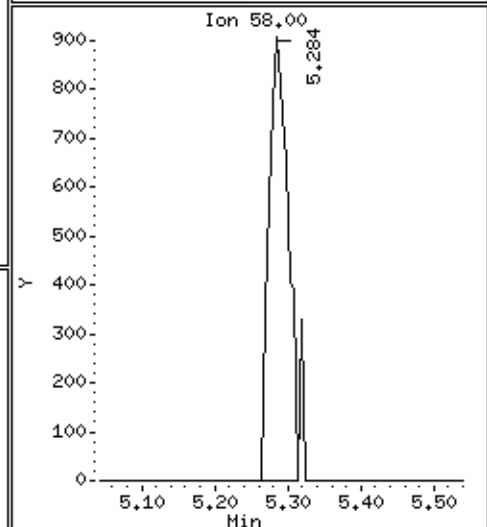
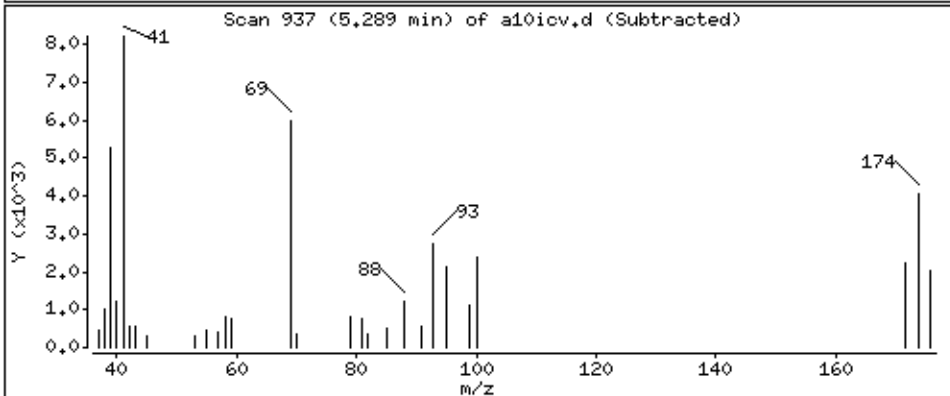
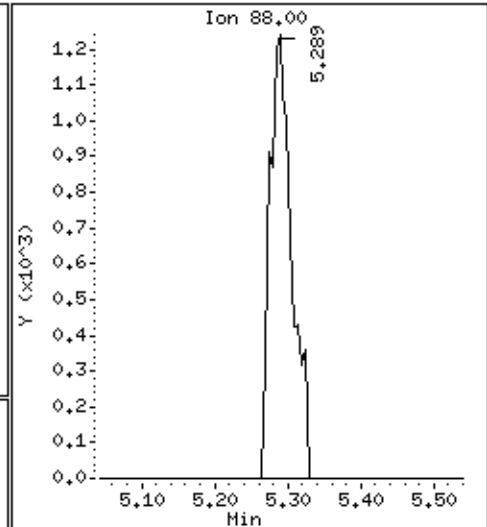
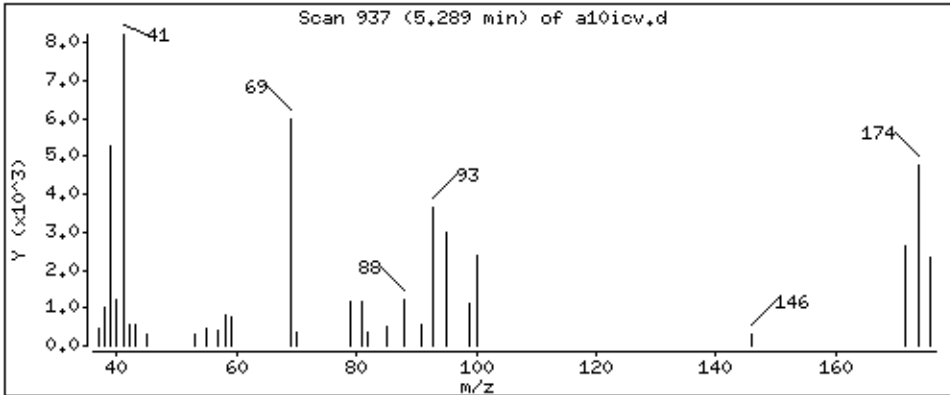
Column phase: DB-624

Column diameter: 0,18

46 1,4-Dioxane

Concentration: 898 ppb

Review Code:



Date : 19-JUN-2014 19:38

Client ID: 8260-ICV,71105:0

Instrument: 50mw3a.i

Sample Info: 8260-ICV,71105:0

Purge Volume: 5.0

Operator: jlz

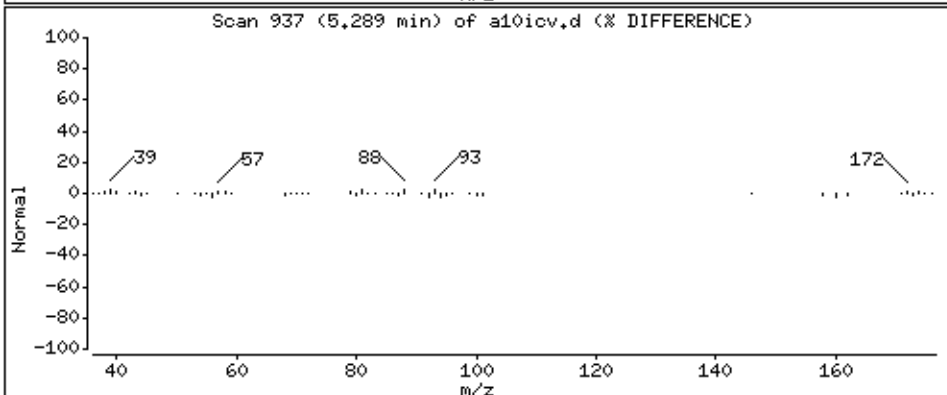
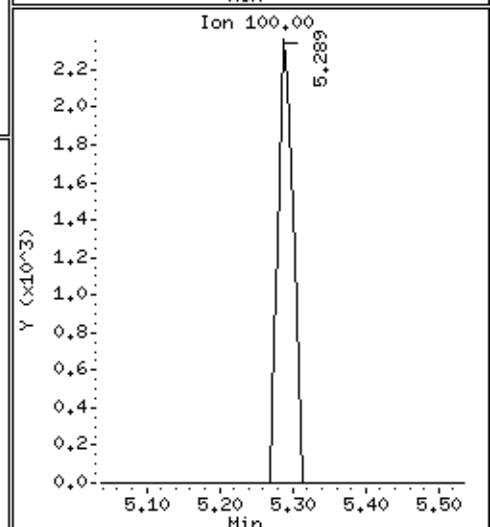
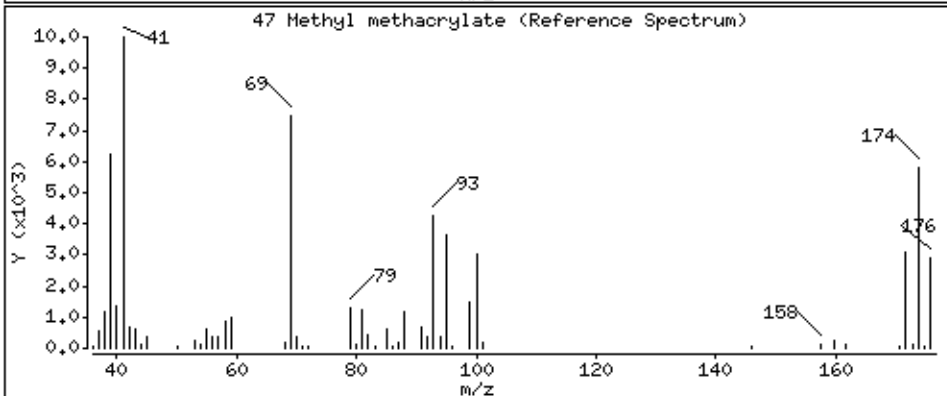
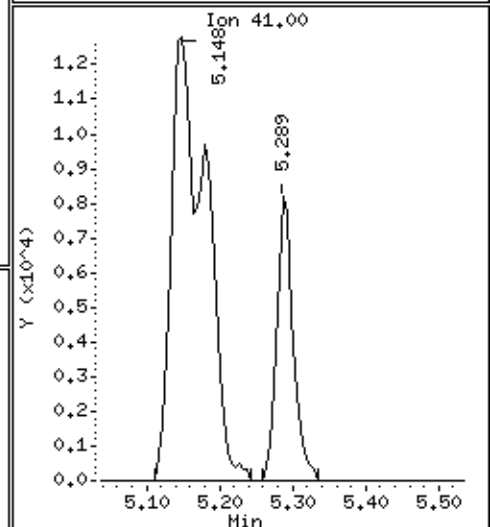
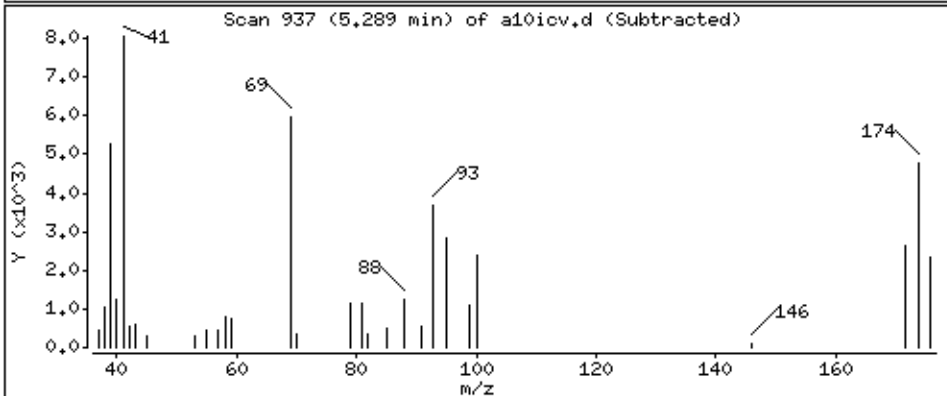
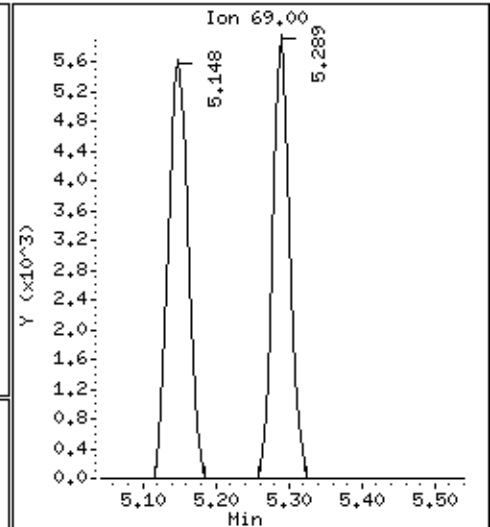
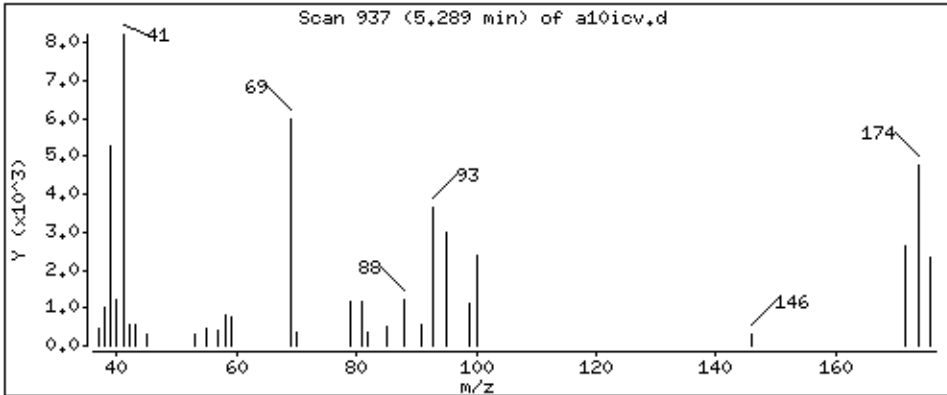
Column phase: DB-624

Column diameter: 0,18

47 Methyl methacrylate

Concentration: 45,8 ppb

Review Code:



Date : 19-JUN-2014 19:38

Client ID: 8260-ICV,71105:0

Instrument: 50mw3a.i

Sample Info: 8260-ICV,71105:0

Purge Volume: 5.0

Operator: jlz

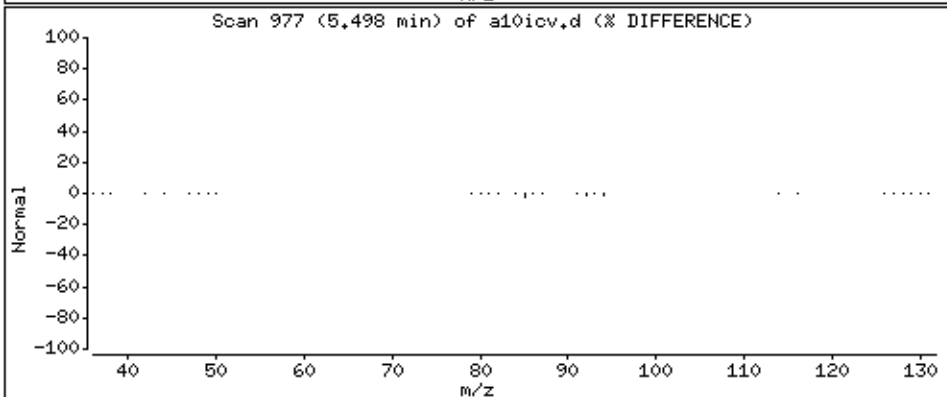
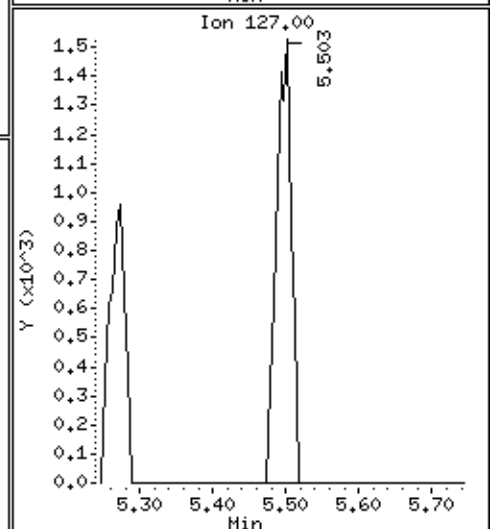
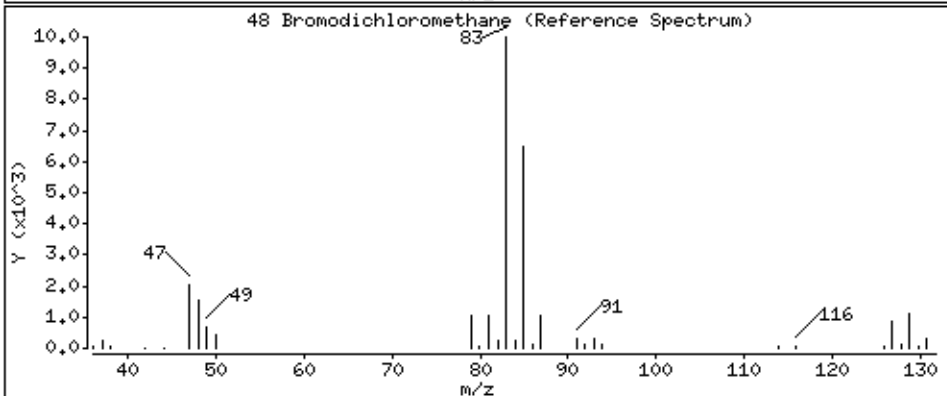
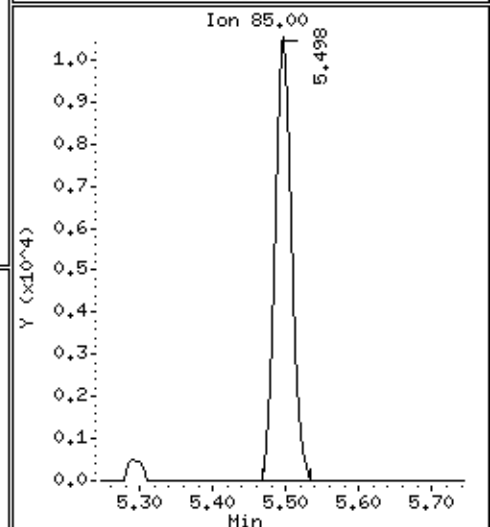
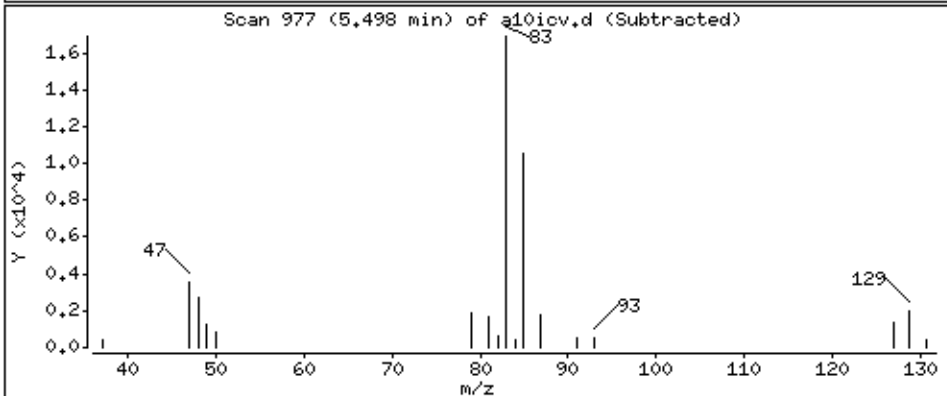
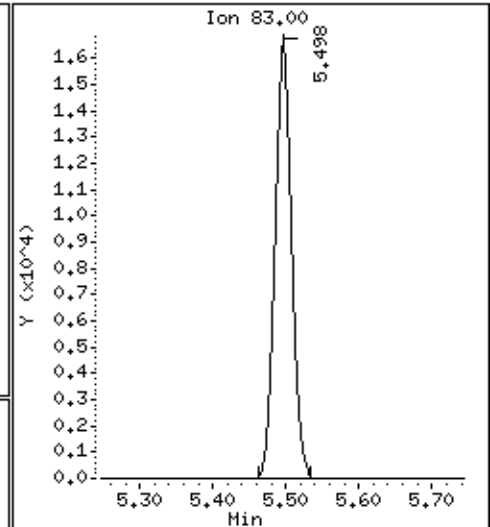
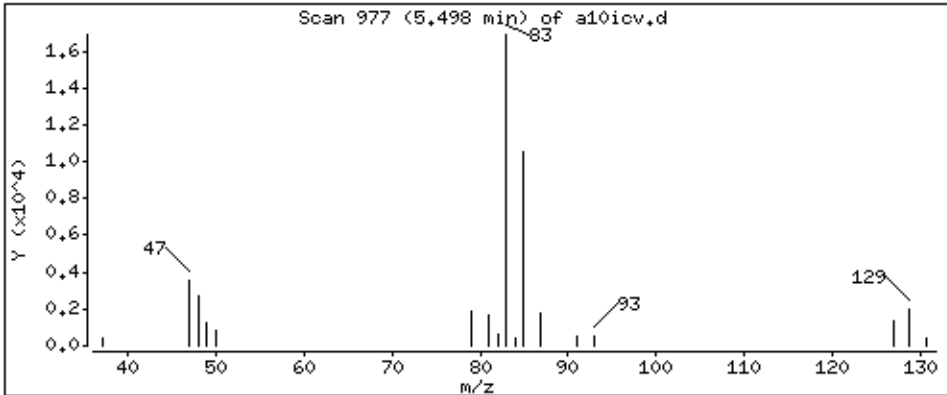
Column phase: DB-624

Column diameter: 0,18

48 Bromodichloromethane

Concentration: 47.7 ppb

Review Code:



Date : 19-JUN-2014 19:38

Client ID: 8260-ICV,71105;0

Instrument: 50mw3a.i

Sample Info: 8260-ICV,71105;0

Purge Volume: 5.0

Operator: jlz

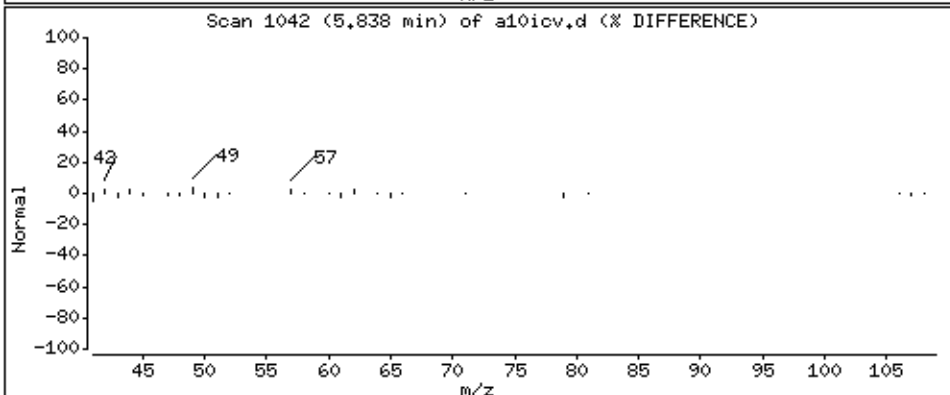
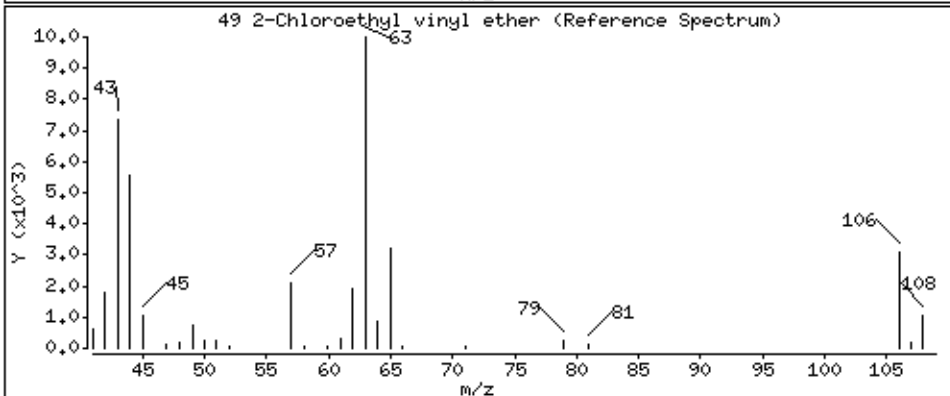
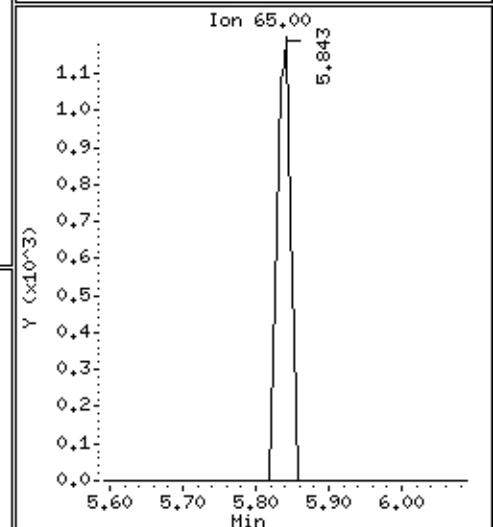
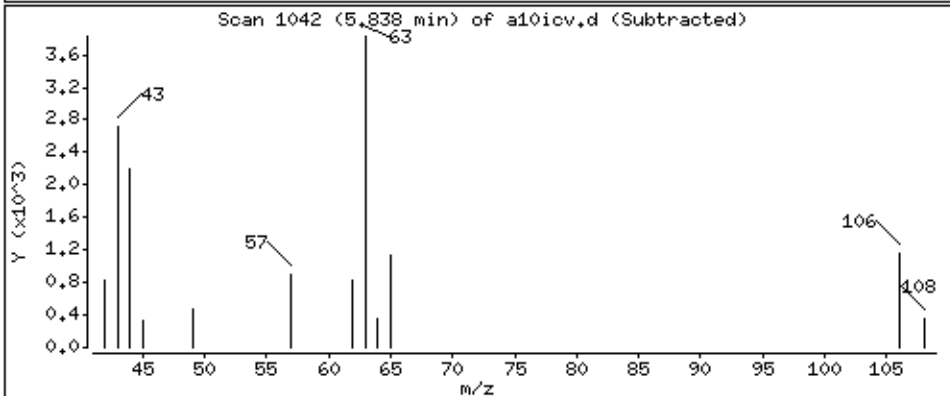
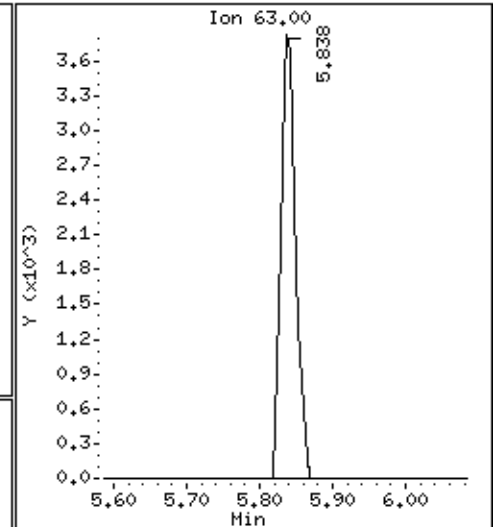
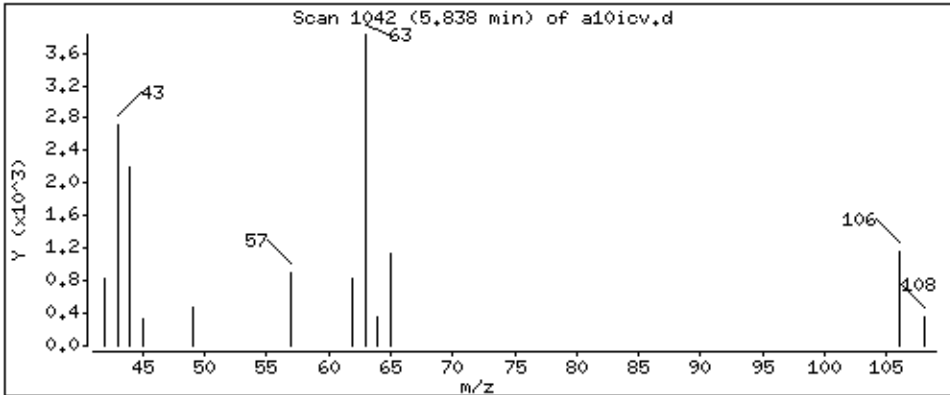
Column phase: DB-624

Column diameter: 0,18

49 2-Chloroethyl vinyl ether

Concentration: 47.7 ppb

Review Code:



Date : 19-JUN-2014 19:38

Client ID: 8260-ICV,71105;0

Instrument: 50mw3a.i

Sample Info: 8260-ICV,71105;0

Purge Volume: 5.0

Operator: jlz

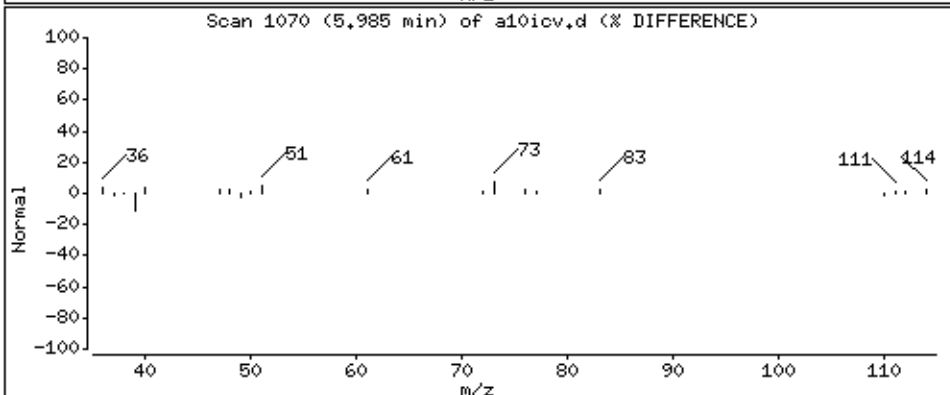
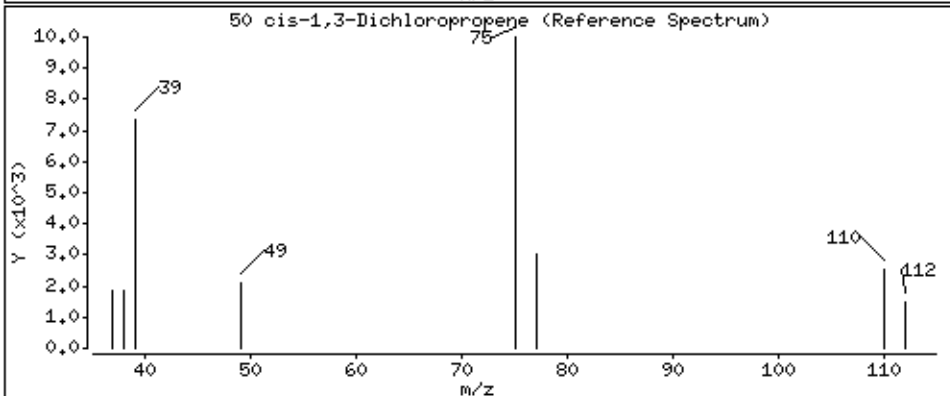
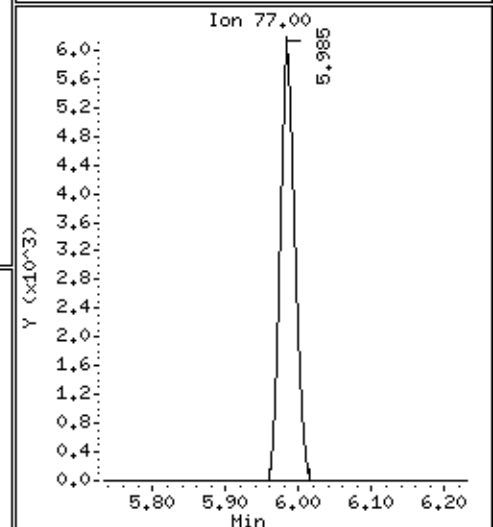
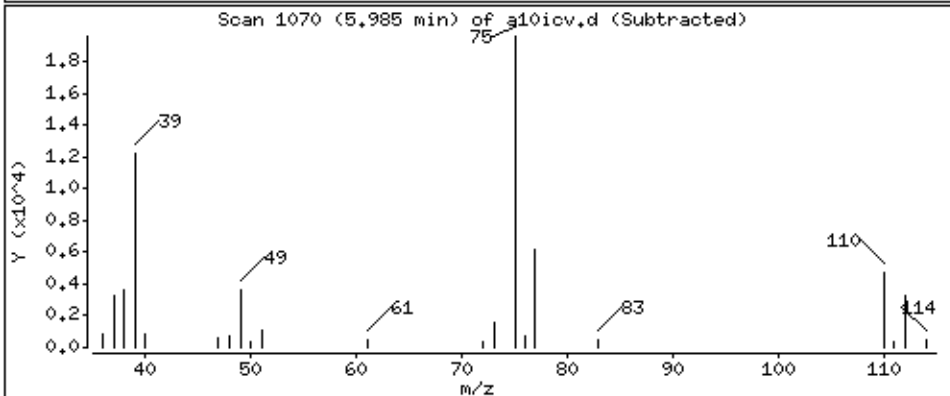
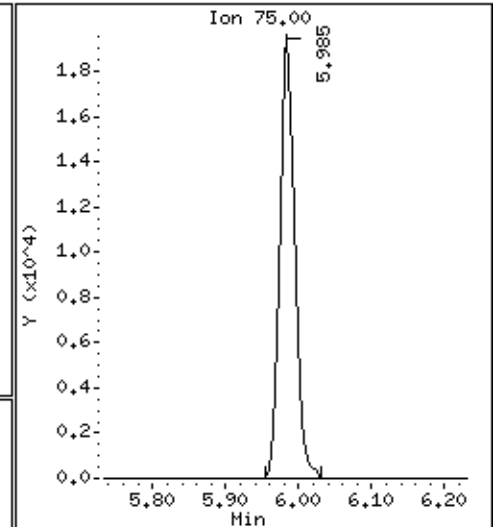
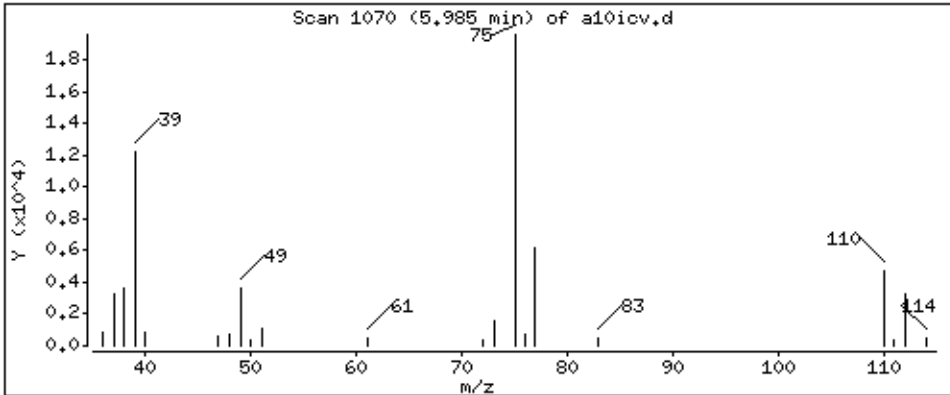
Column phase: DB-624

Column diameter: 0,18

50 cis-1,3-Dichloropropene

Concentration: 42.3 ppb

Review Code:



Date : 19-JUN-2014 19:38

Client ID: 8260-ICV,71105;0

Instrument: 50mw3a.i

Sample Info: 8260-ICV,71105;0

Purge Volume: 5.0

Operator: jlz

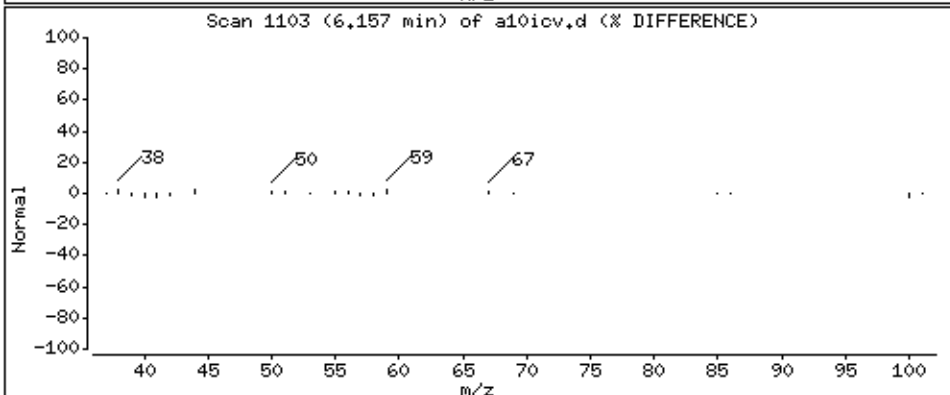
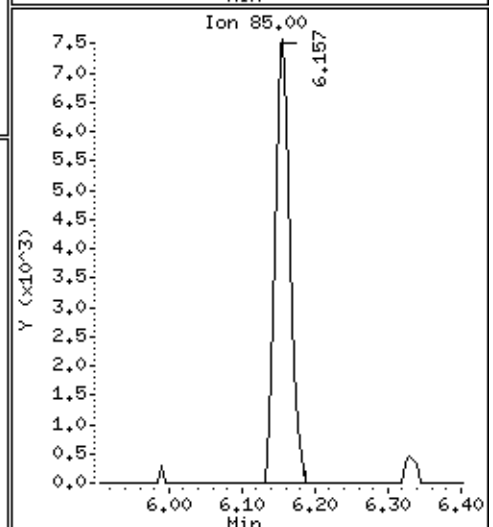
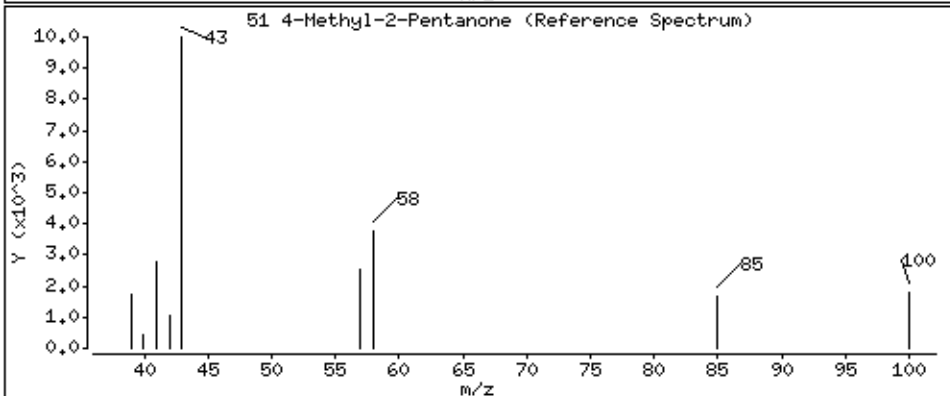
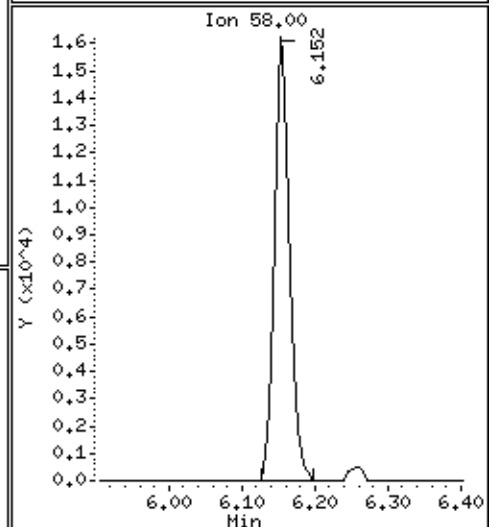
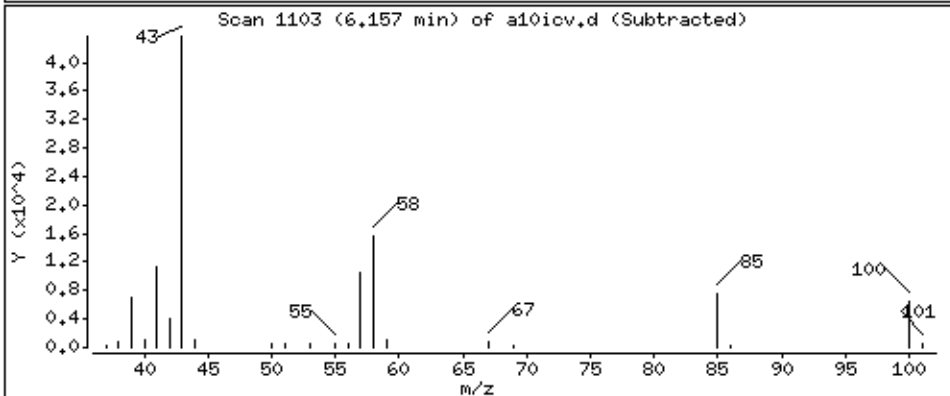
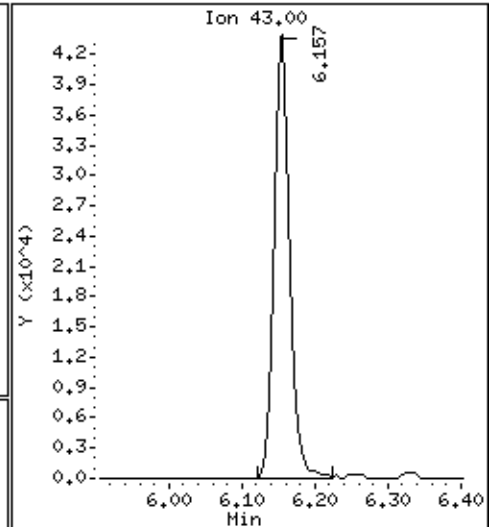
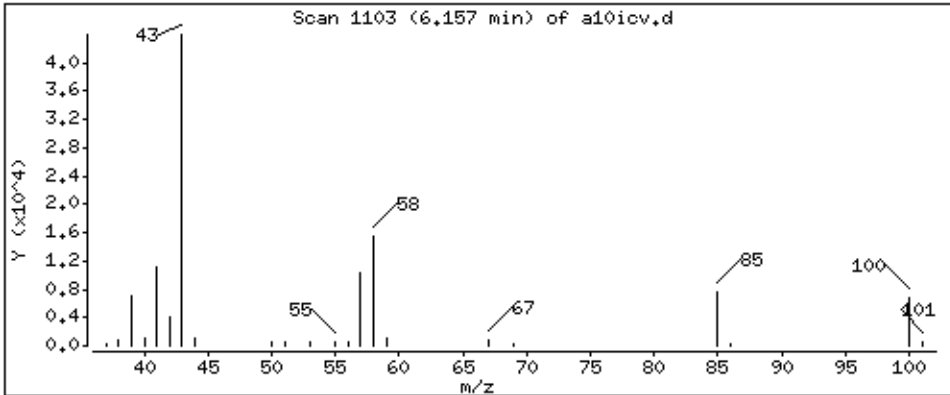
Column phase: DB-624

Column diameter: 0,18

51 4-Methyl-2-Pentanone

Concentration: 244 ppb

Review Code:



Date : 19-JUN-2014 19:38

Client ID: 8260-ICV,71105;0

Instrument: 50mw3a.i

Sample Info: 8260-ICV,71105;0

Purge Volume: 5.0

Operator: jlz

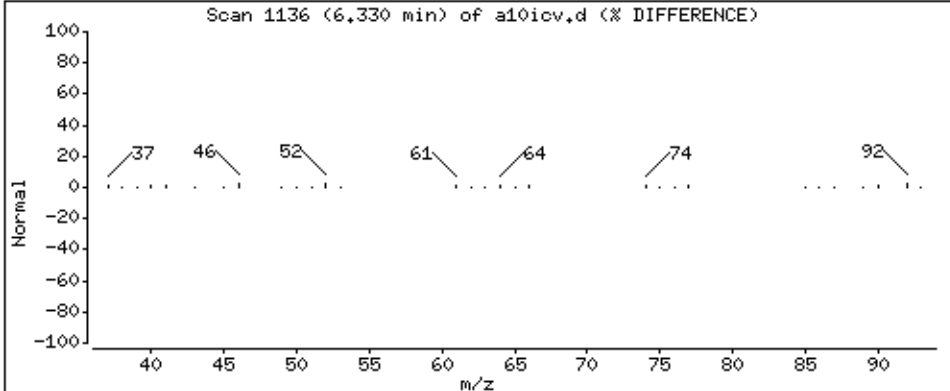
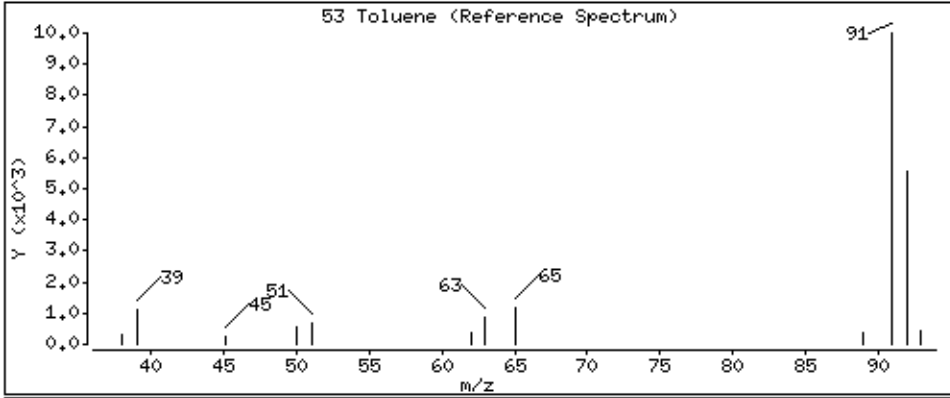
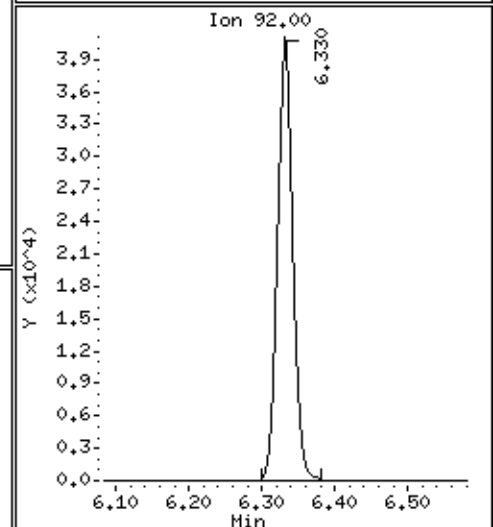
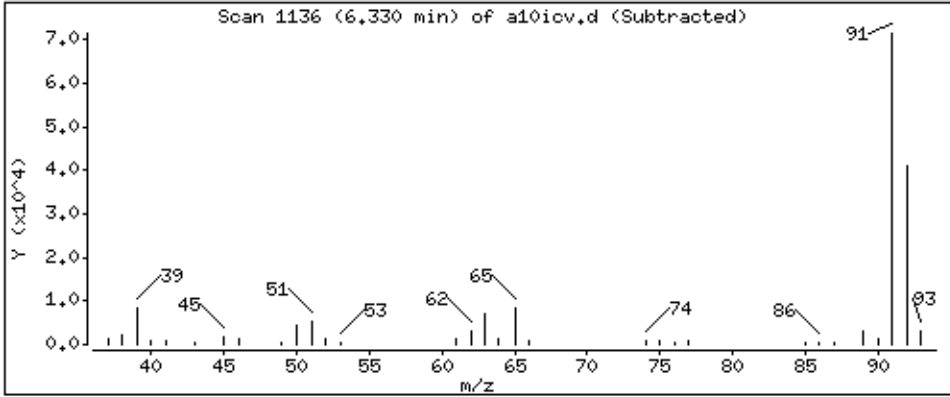
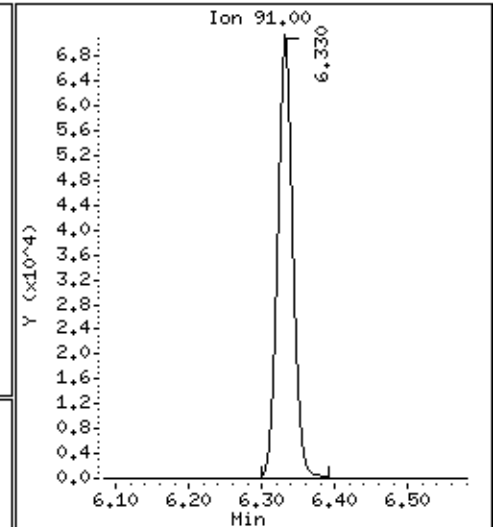
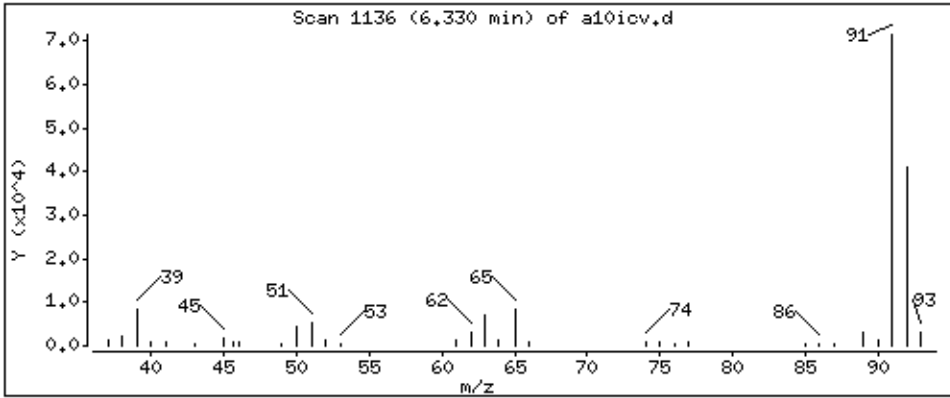
Column phase: DB-624

Column diameter: 0,18

53 Toluene

Concentration: 46,4 ppb

Review Code:



Date : 19-JUN-2014 19:38

Client ID: 8260-ICV,71105;0

Instrument: 50mw3a.i

Sample Info: 8260-ICV,71105;0

Purge Volume: 5.0

Operator: jlz

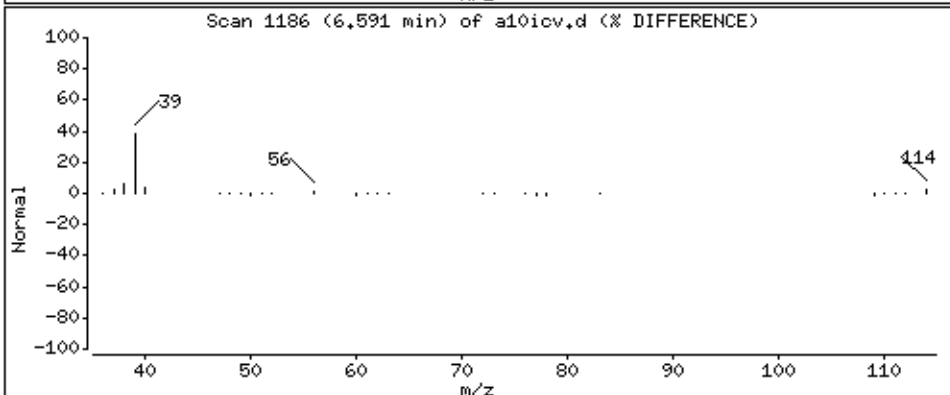
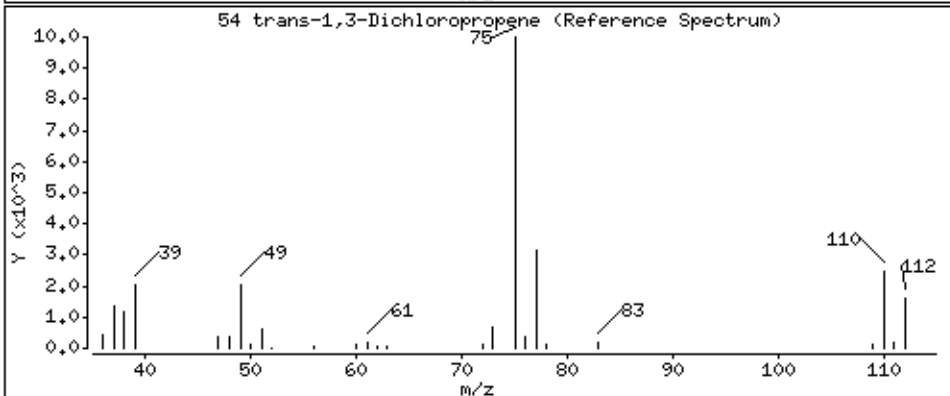
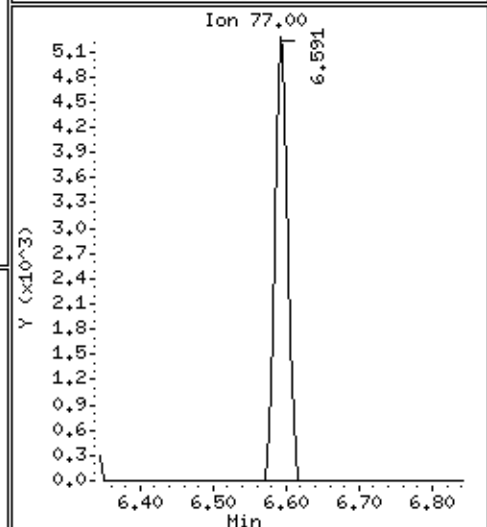
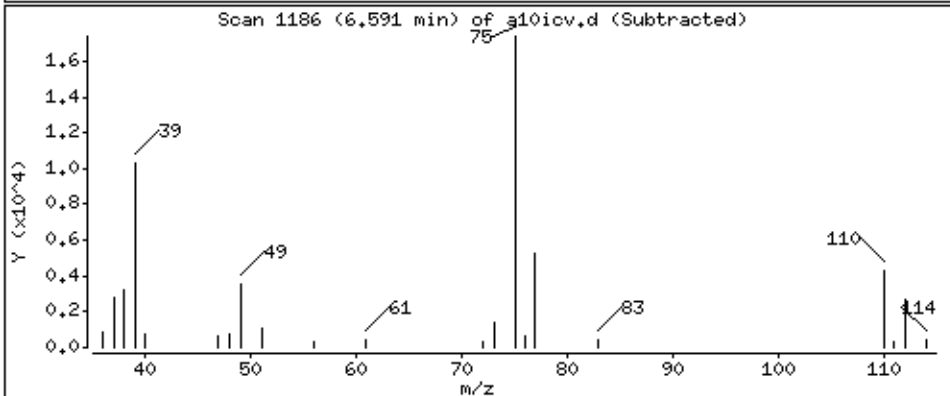
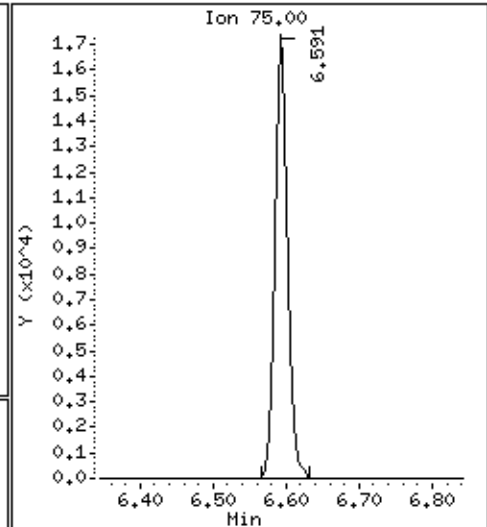
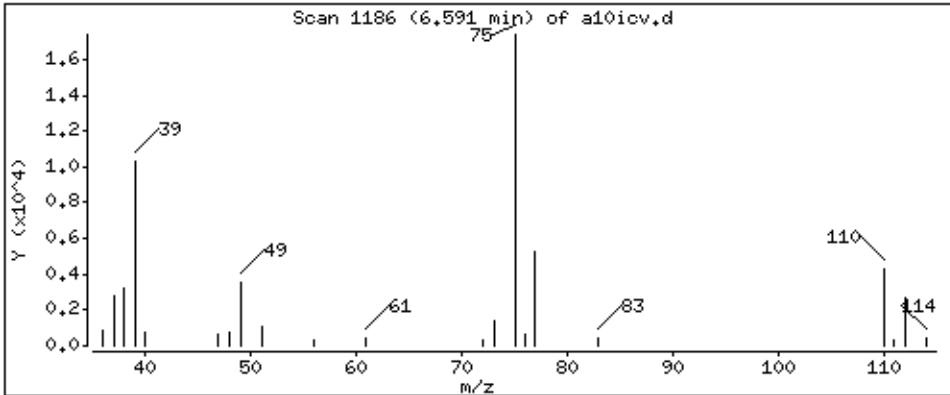
Column phase: DB-624

Column diameter: 0,18

54 trans-1,3-Dichloropropene

Concentration: 42.6 ppb

Review Code:



Date : 19-JUN-2014 19:38

Client ID: 8260-ICV,71105;0

Instrument: 50mw3a.i

Sample Info: 8260-ICV,71105;0

Purge Volume: 5.0

Operator: jlz

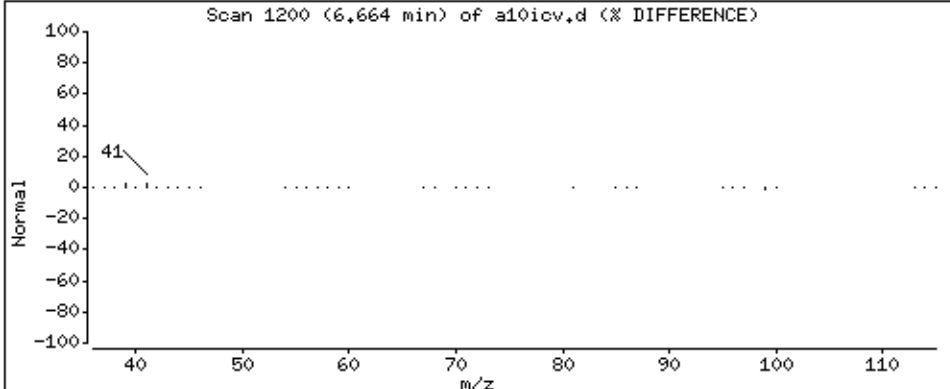
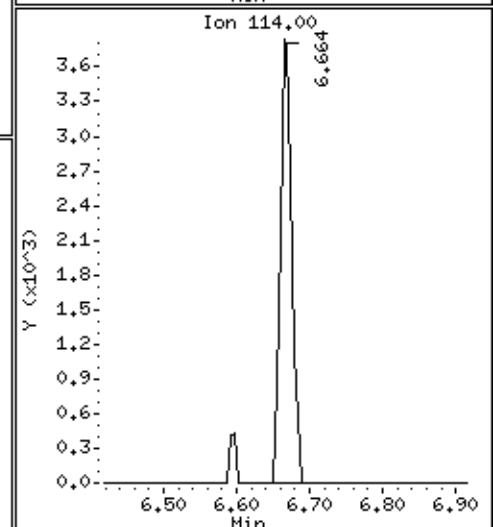
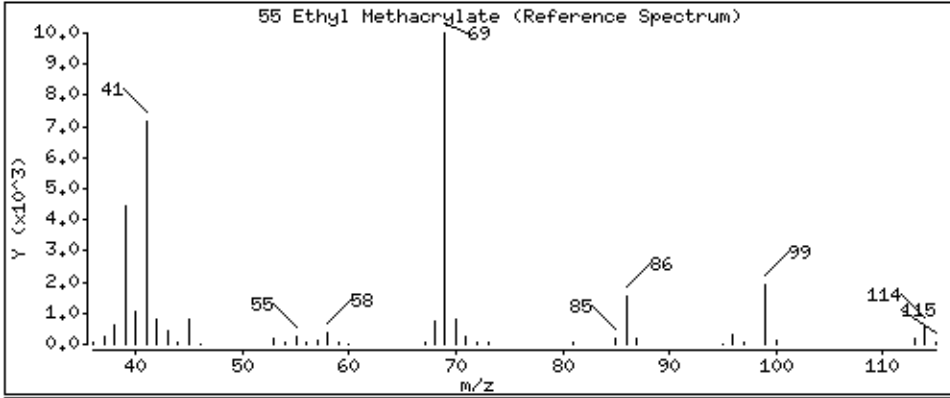
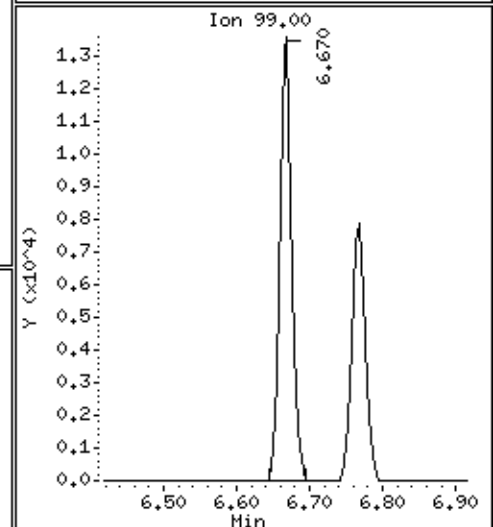
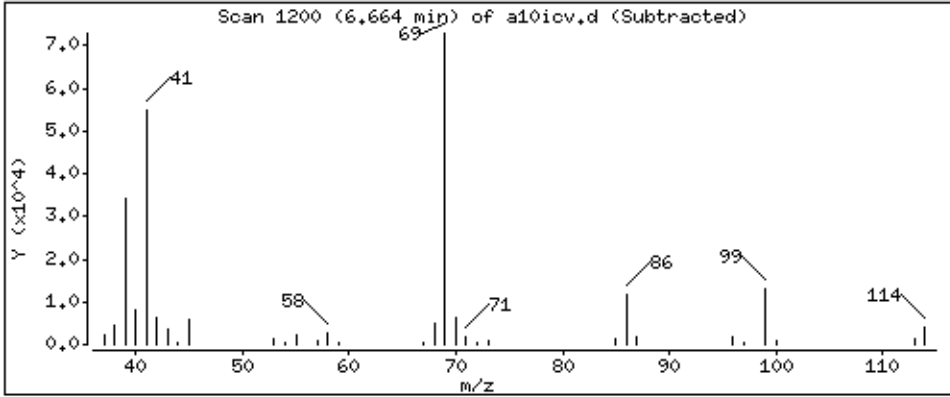
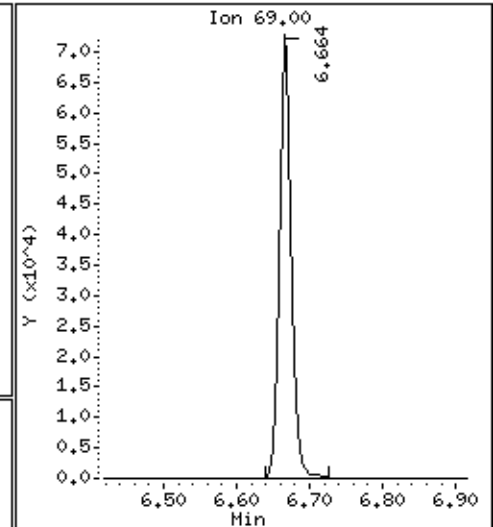
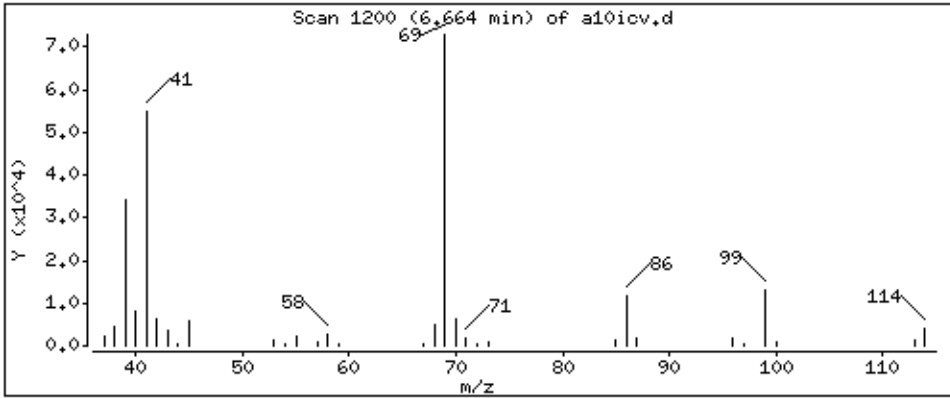
Column phase: DB-624

Column diameter: 0,18

55 Ethyl Methacrylate

Concentration: 180 ppb

Review Code:



Date : 19-JUN-2014 19:38

Client ID: 8260-ICV,71105:0

Instrument: 50mv3a.i

Sample Info: 8260-ICV,71105:0

Purge Volume: 5.0

Operator: jlz

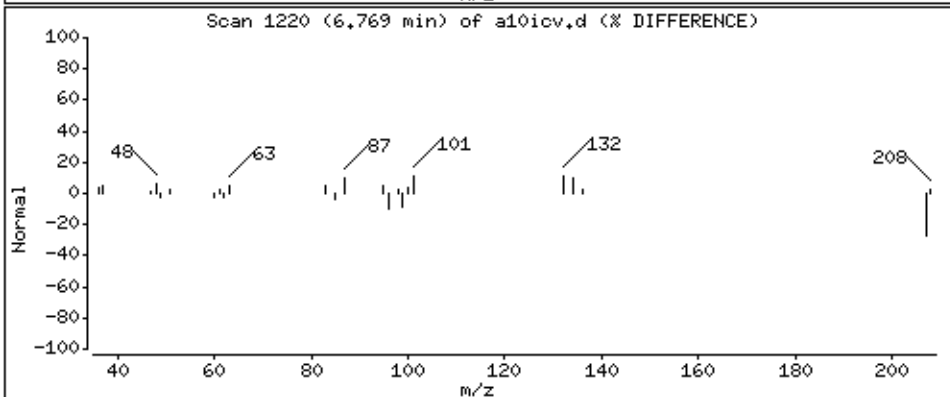
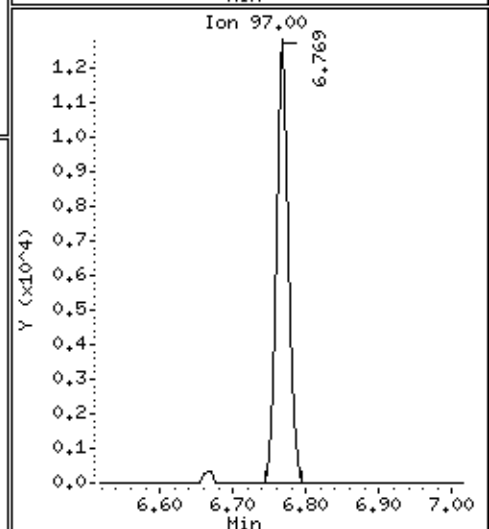
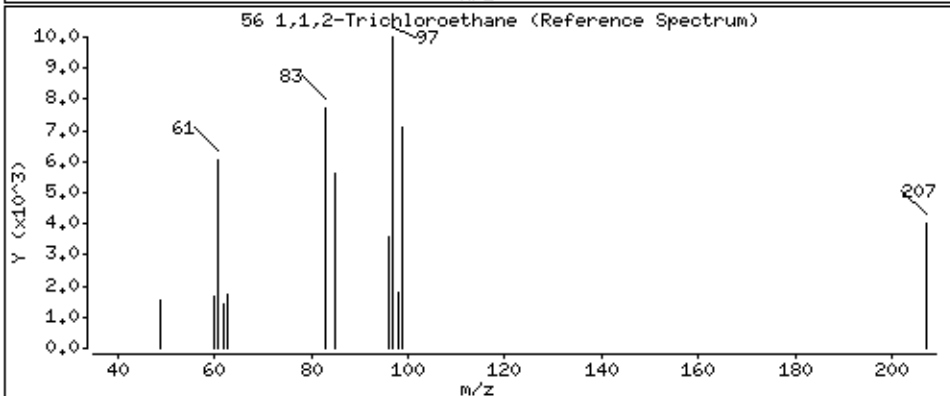
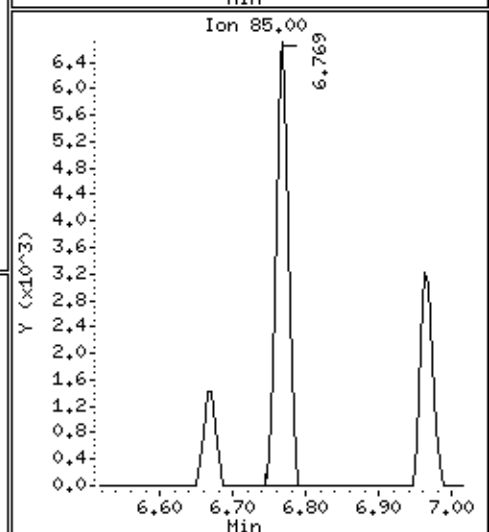
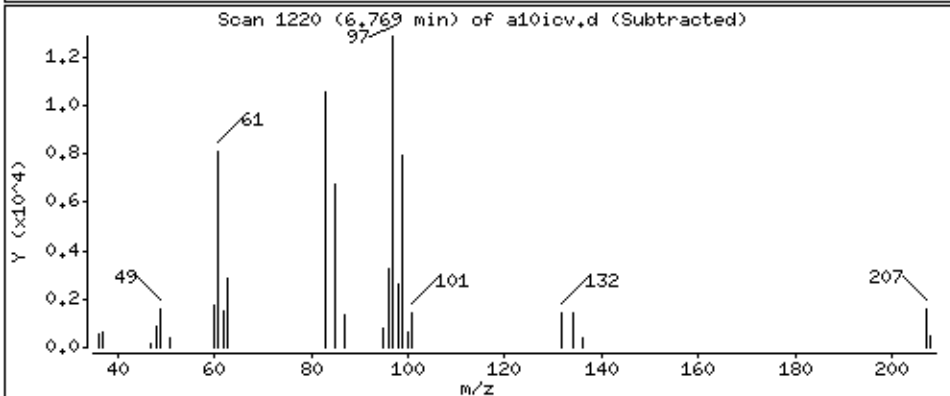
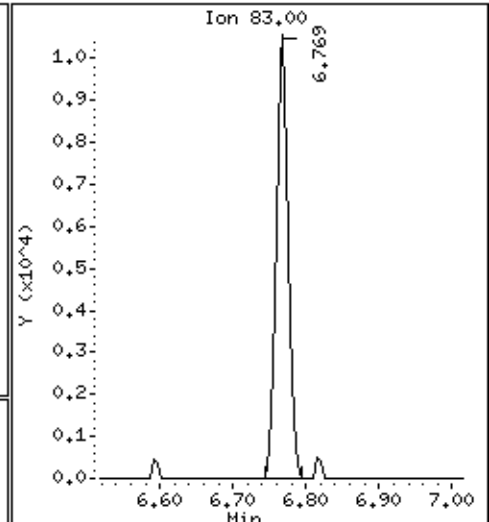
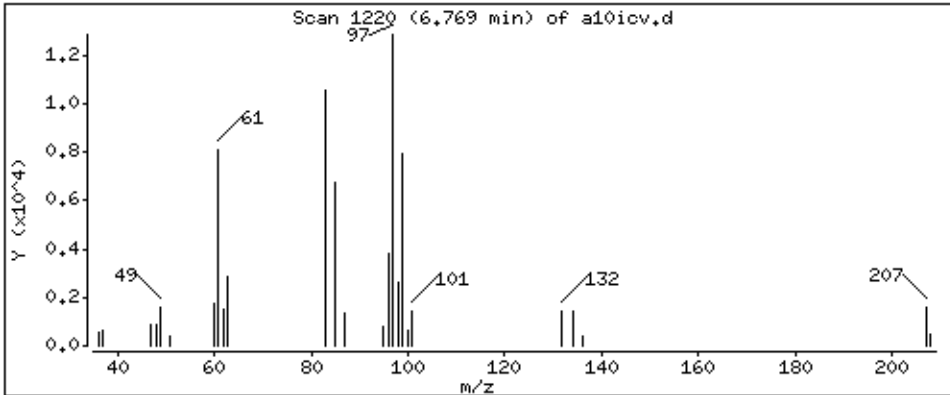
Column phase: DB-624

Column diameter: 0,18

56 1,1,2-Trichloroethane

Concentration: 48,8 ppb

Review Code:



Date : 19-JUN-2014 19:38

Client ID: 8260-ICV,71105;0

Instrument: 50mw3a.i

Sample Info: 8260-ICV,71105;0

Purge Volume: 5.0

Operator: jlz

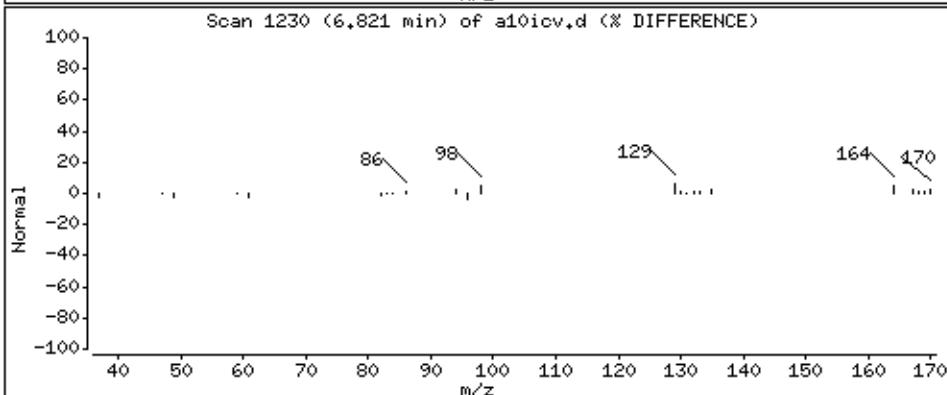
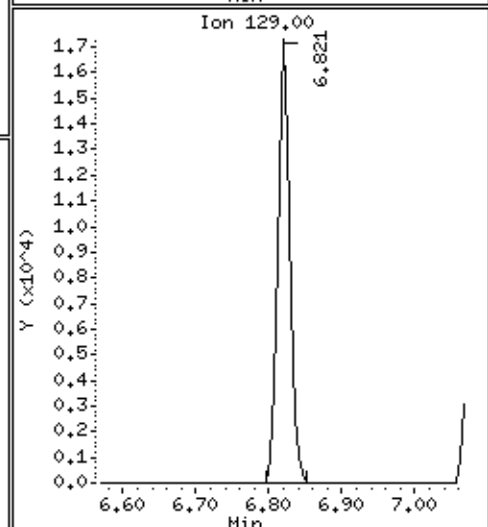
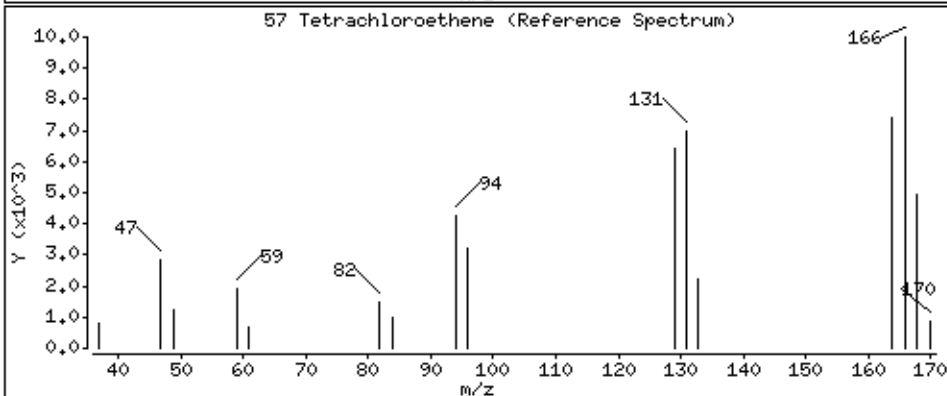
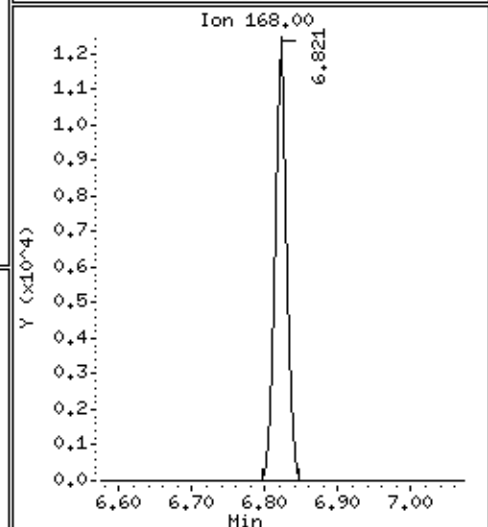
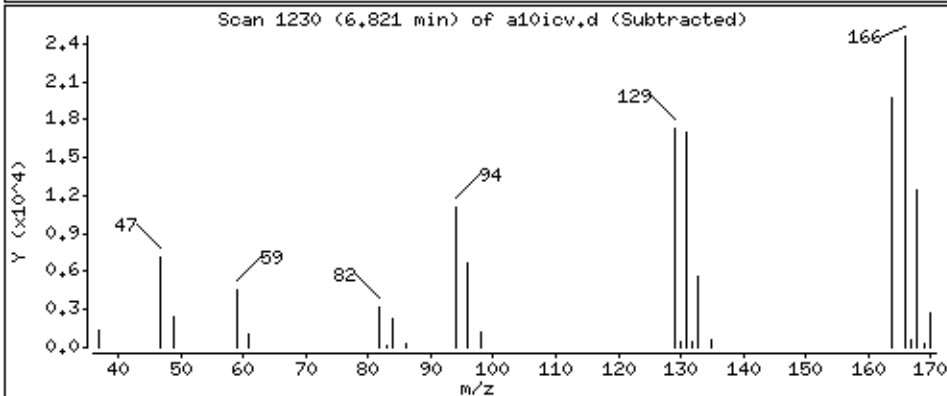
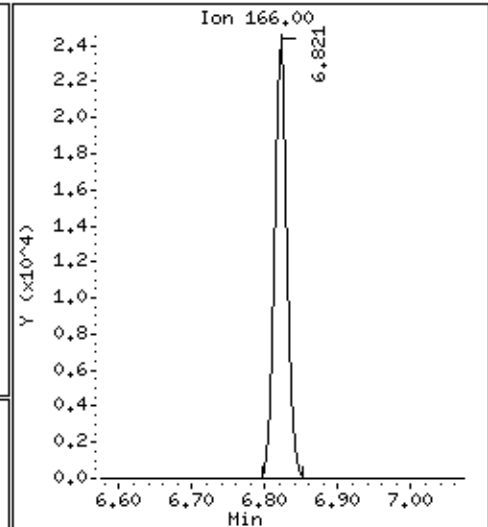
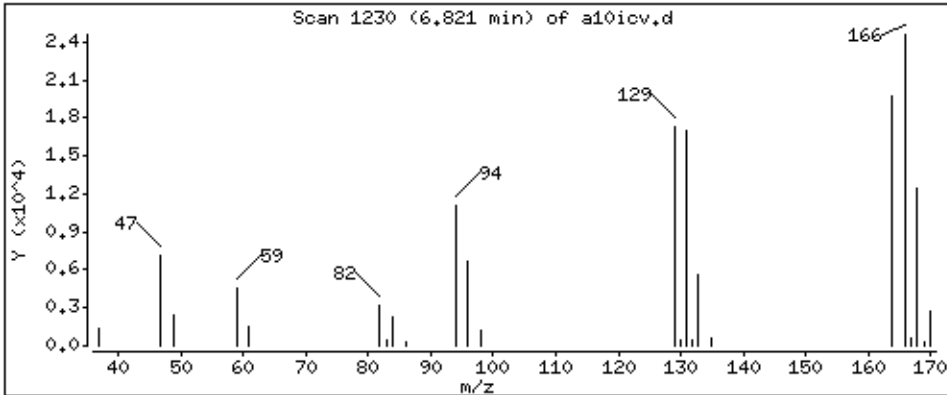
Column phase: DB-624

Column diameter: 0,18

57 Tetrachloroethene

Concentration: 45,8 ppb

Review Code:



Date : 19-JUN-2014 19:38

Client ID: 8260-ICV,71105;0

Instrument: 50mw3a.i

Sample Info: 8260-ICV,71105;0

Purge Volume: 5.0

Operator: jlz

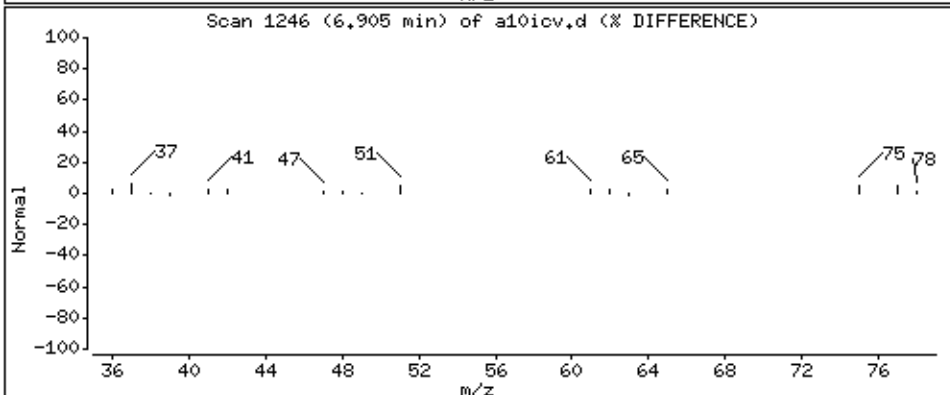
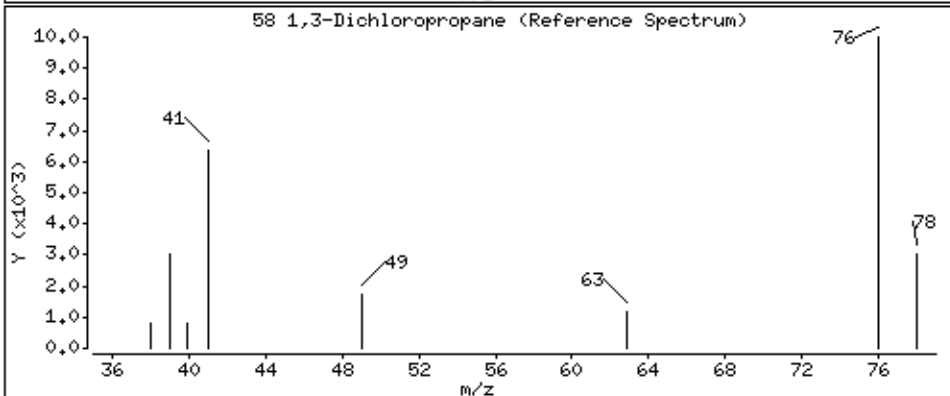
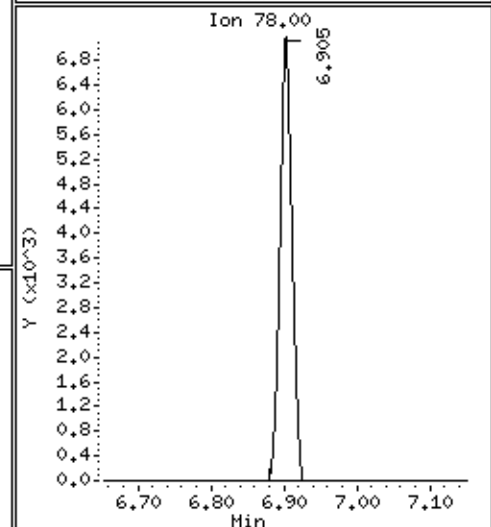
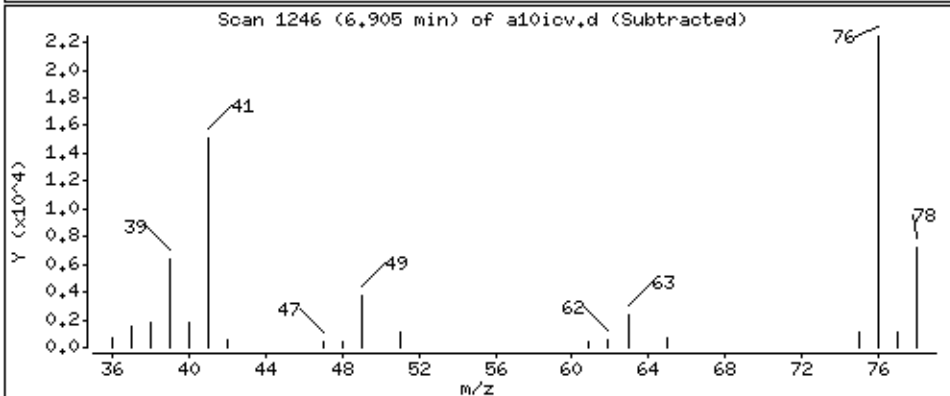
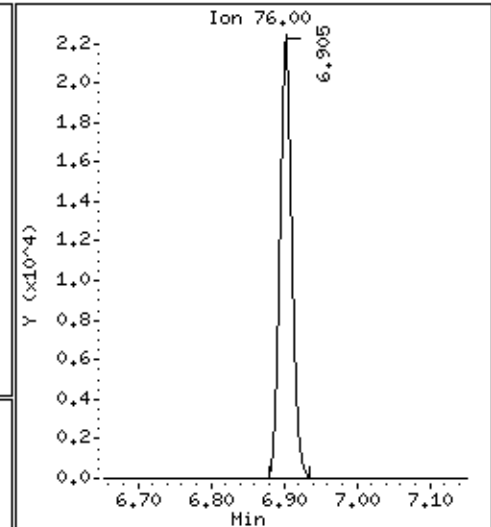
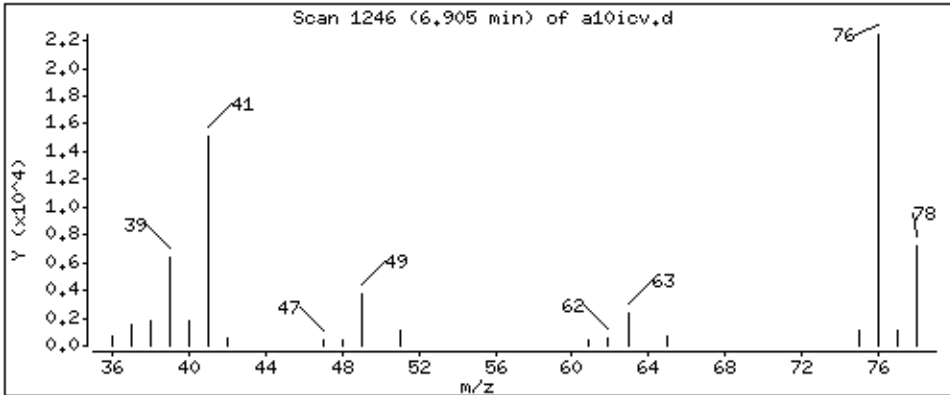
Column phase: DB-624

Column diameter: 0,18

58 1,3-Dichloropropane

Concentration: 46,2 ppb

Review Code:



Date : 19-JUN-2014 19:38

Client ID: 8260-ICV,71105;0

Instrument: 50mw3a.i

Sample Info: 8260-ICV,71105;0

Purge Volume: 5.0

Operator: jlz

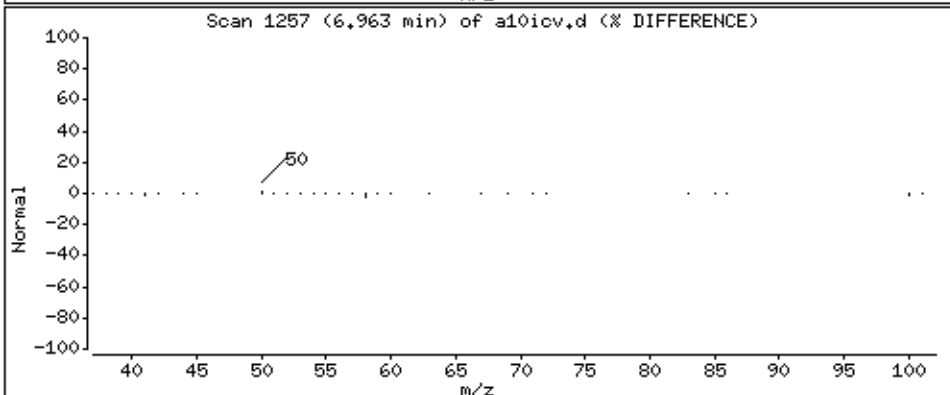
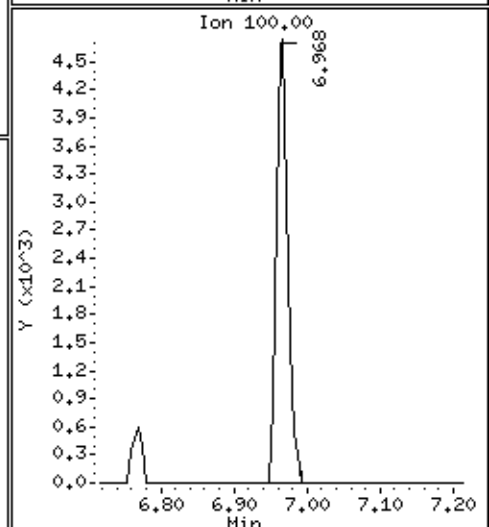
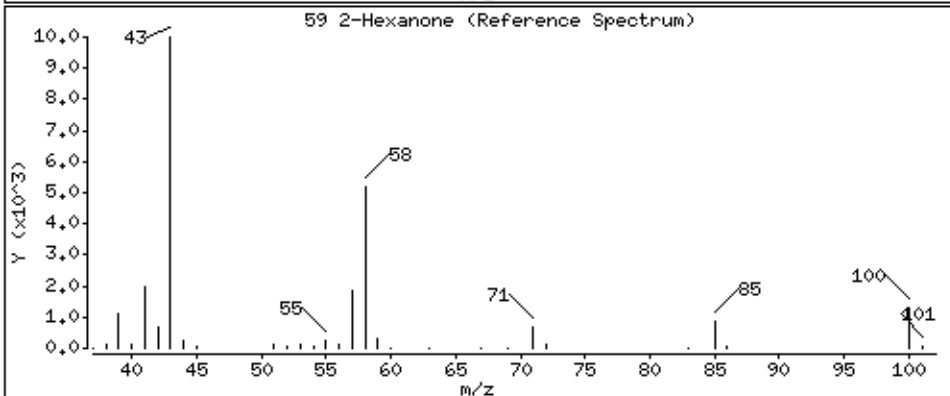
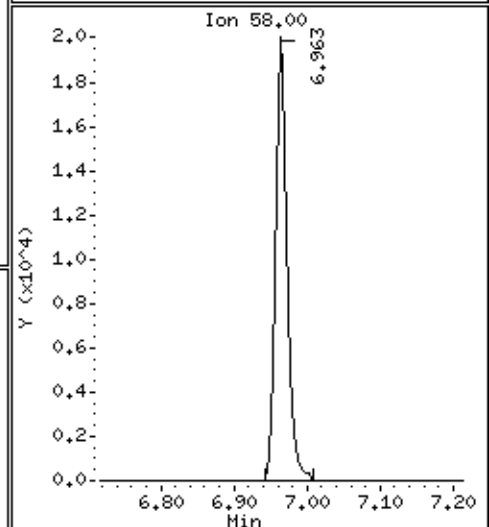
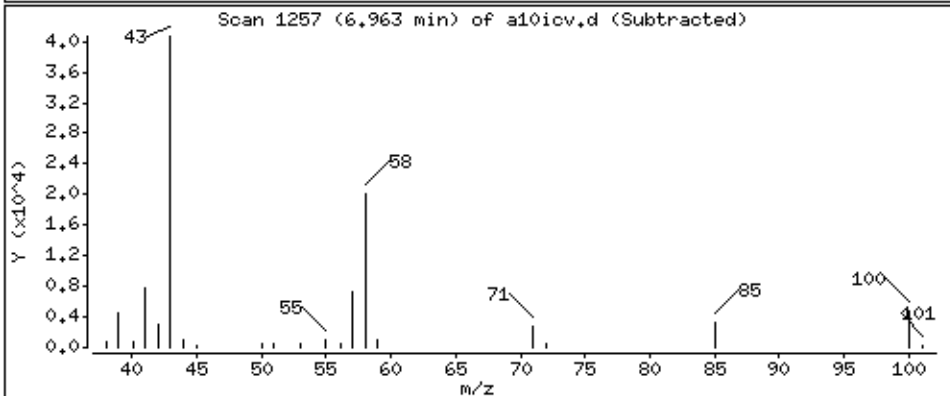
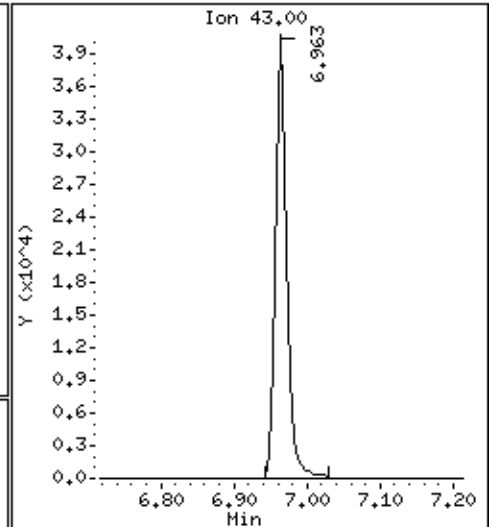
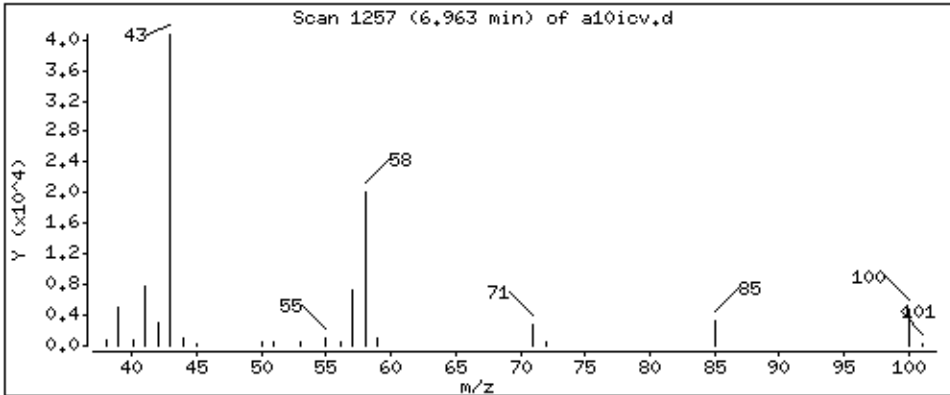
Column phase: DB-624

Column diameter: 0,18

59 2-Hexanone

Concentration: 244 ppb

Review Code:



Date : 19-JUN-2014 19:38

Client ID: 8260-ICV,71105;0

Instrument: 50mv3a.i

Sample Info: 8260-ICV,71105;0

Purge Volume: 5.0

Operator: jlz

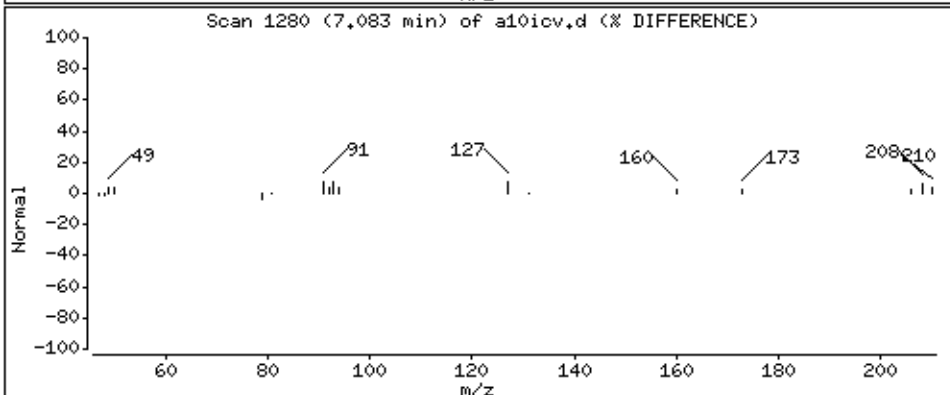
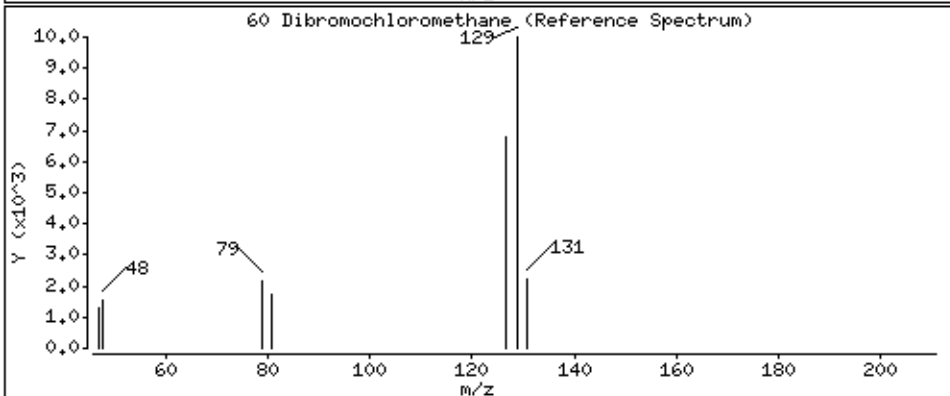
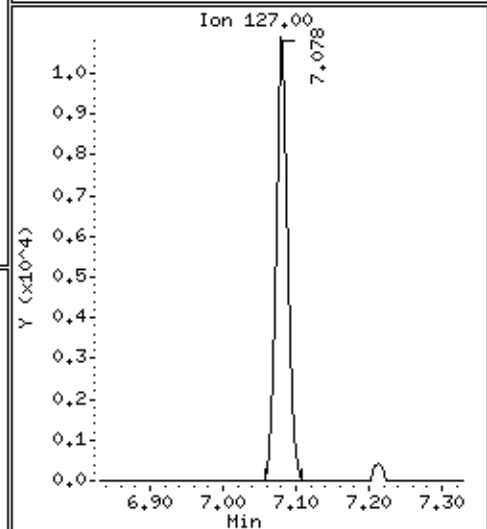
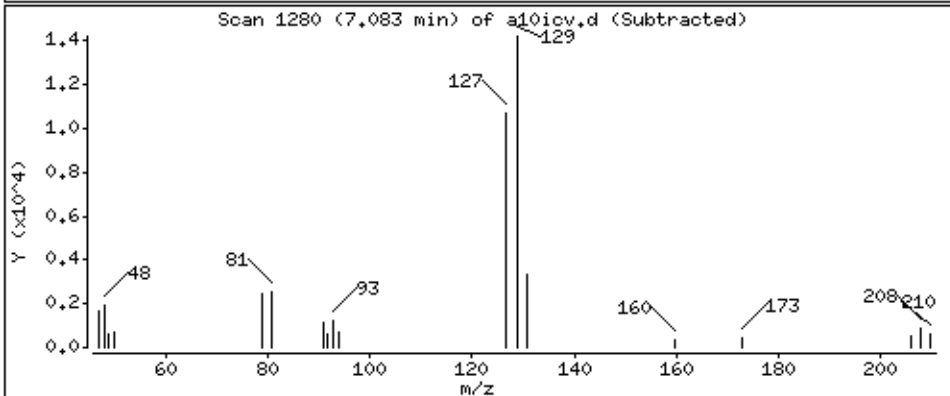
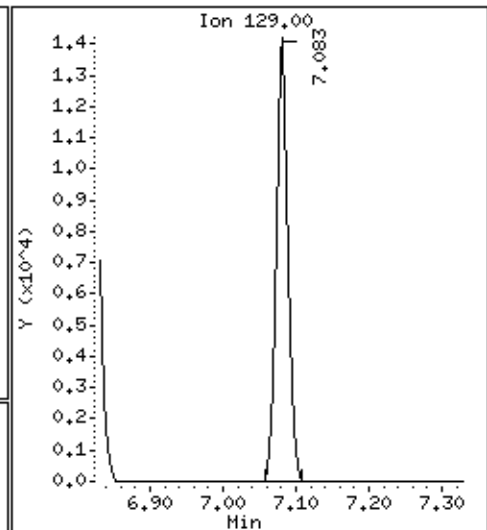
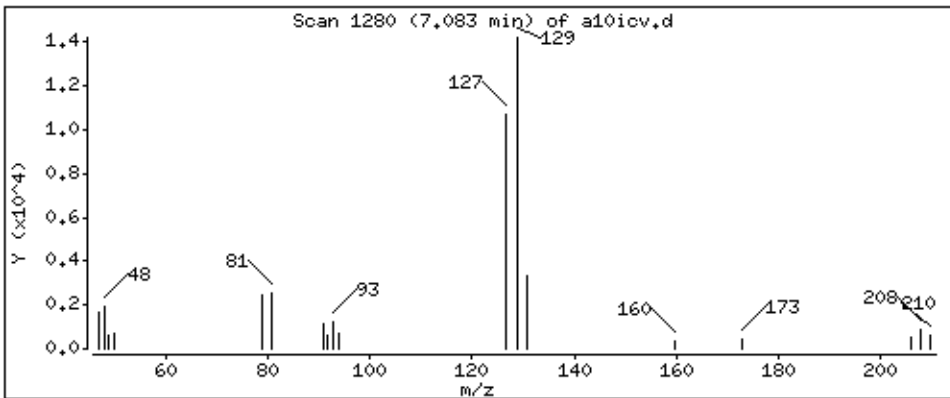
Column phase: DB-624

Column diameter: 0,18

60 Dibromochloromethane

Concentration: 43.1 ppb

Review Code:



Date : 19-JUN-2014 19:38

Client ID: 8260-ICV,71105;0

Instrument: 50mw3a.i

Sample Info: 8260-ICV,71105;0

Purge Volume: 5.0

Operator: jlz

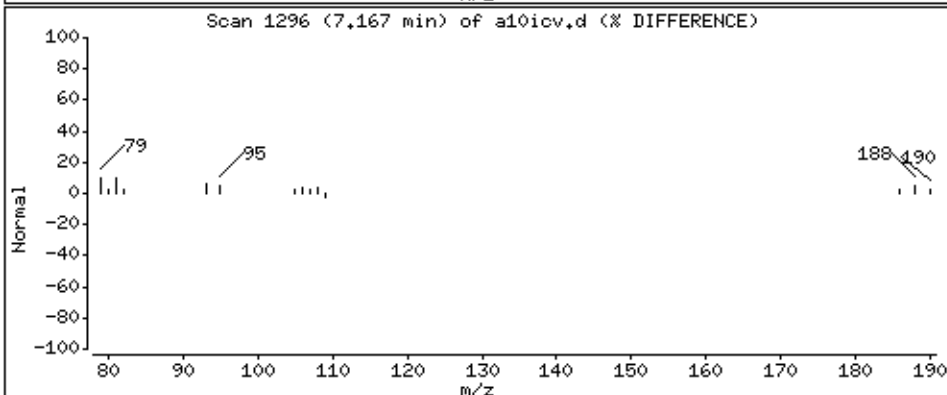
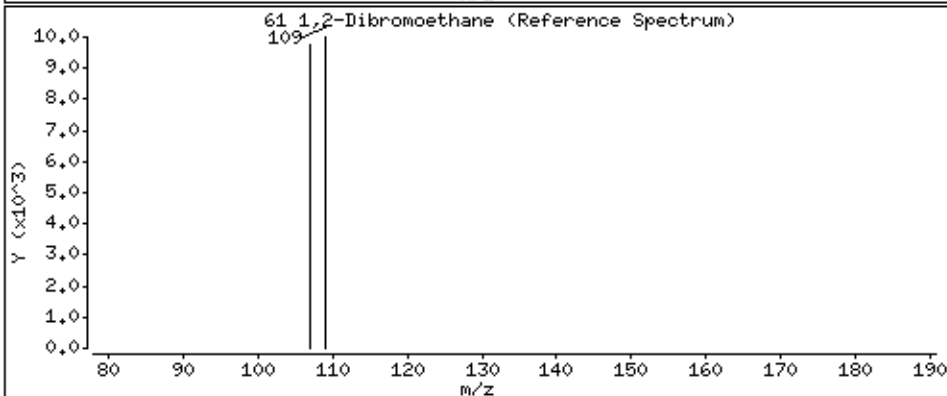
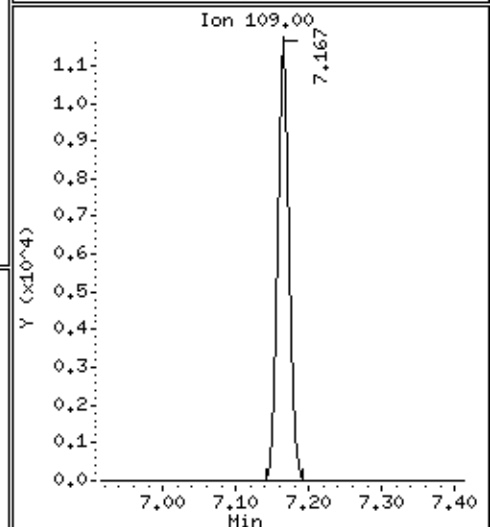
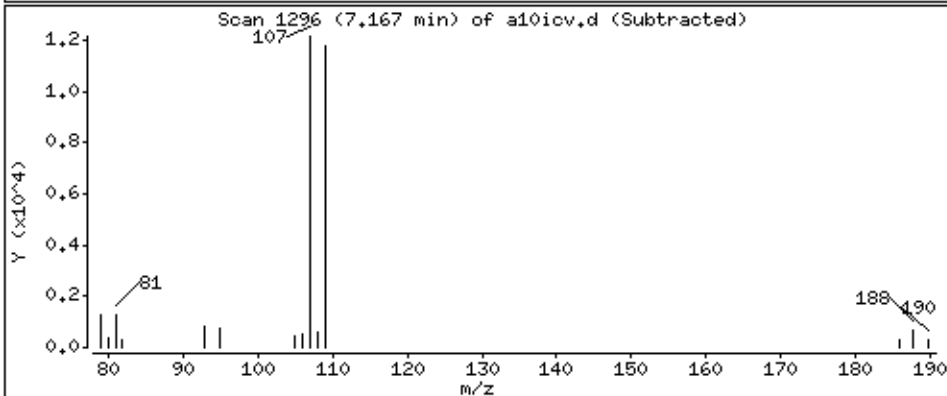
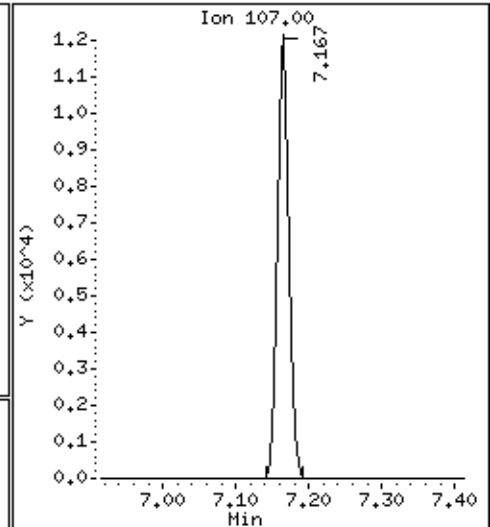
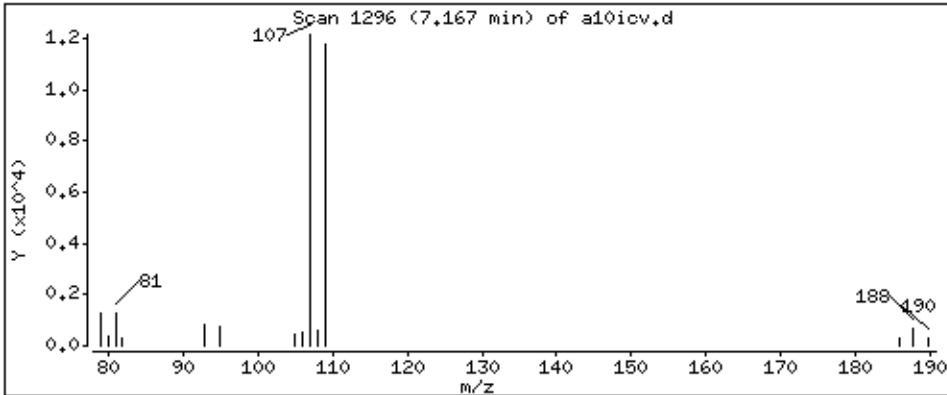
Column phase: DB-624

Column diameter: 0,18

61 1,2-Dibromoethane

Concentration: 50,8 ppb

Review Code:



Date : 19-JUN-2014 19:38

Client ID: 8260-ICV,71105;0

Instrument: 50mw3a.i

Sample Info: 8260-ICV,71105;0

Purge Volume: 5.0

Operator: jlz

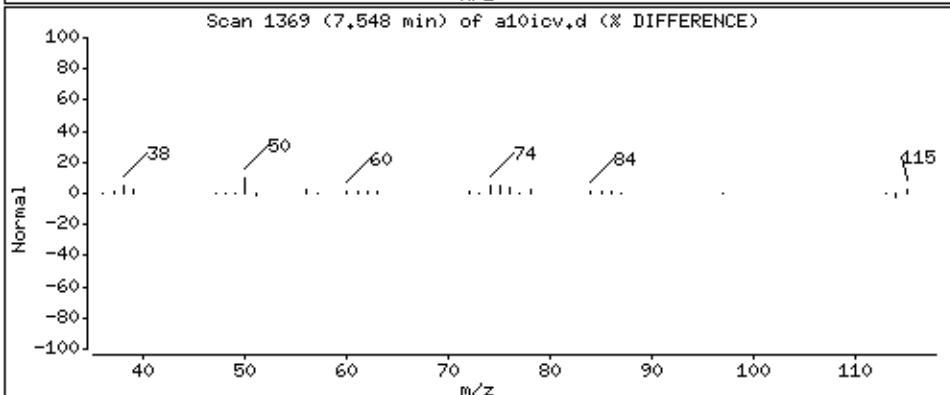
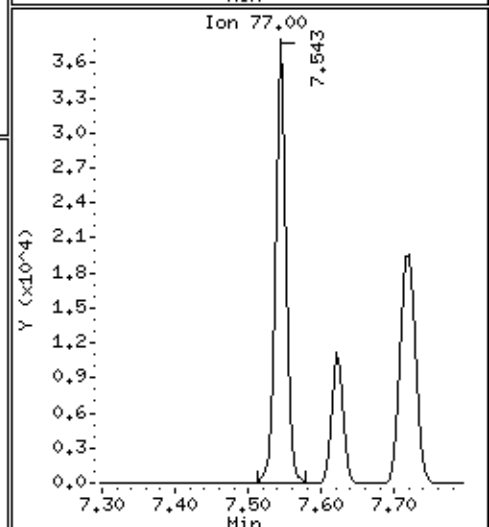
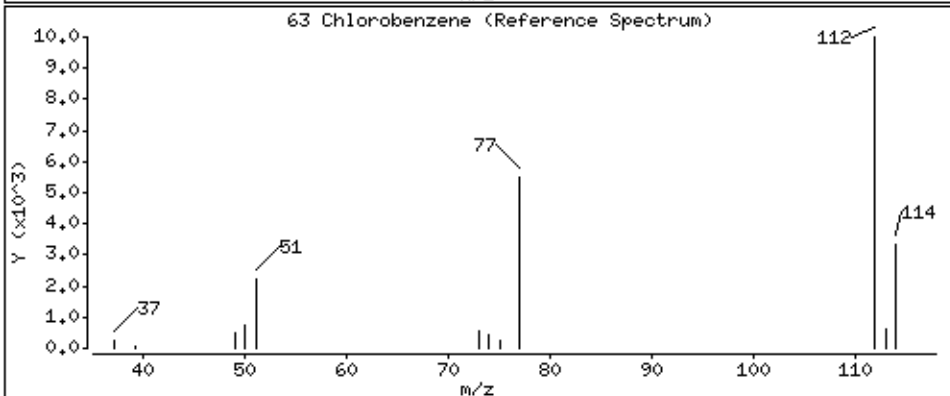
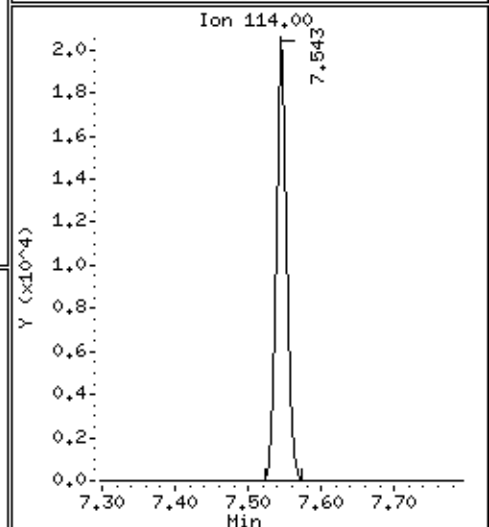
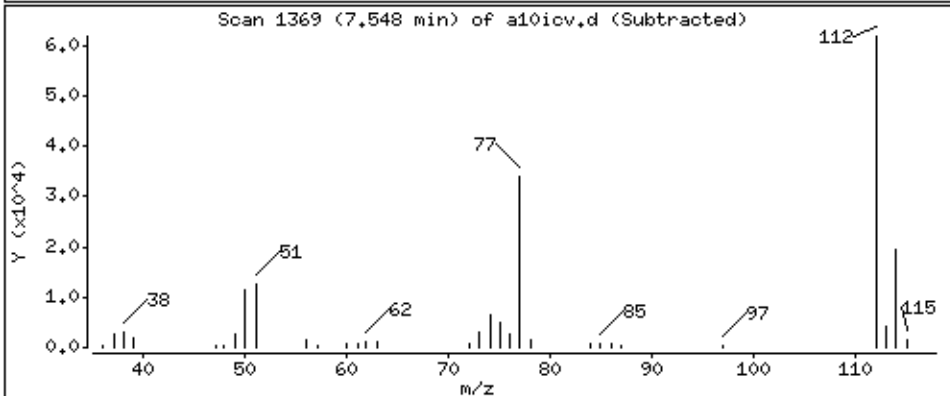
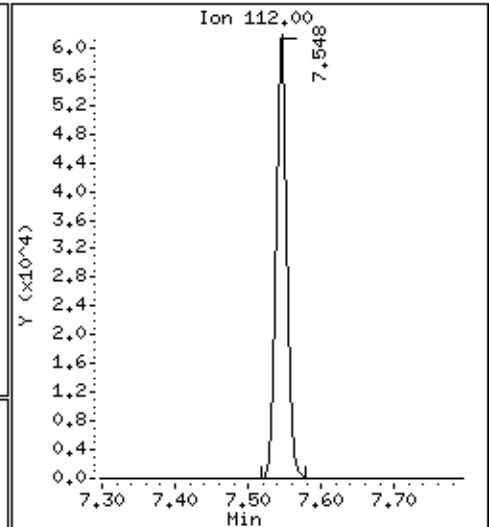
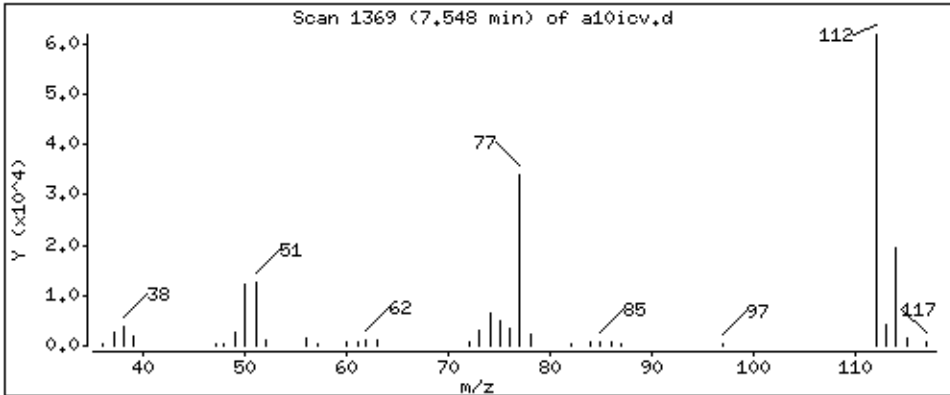
Column phase: DB-624

Column diameter: 0,18

63 Chlorobenzene

Concentration: 46,7 ppb

Review Code:



Date : 19-JUN-2014 19:38

Client ID: 8260-ICV,71105;0

Instrument: 50mv3a.i

Sample Info: 8260-ICV,71105;0

Purge Volume: 5.0

Operator: jlz

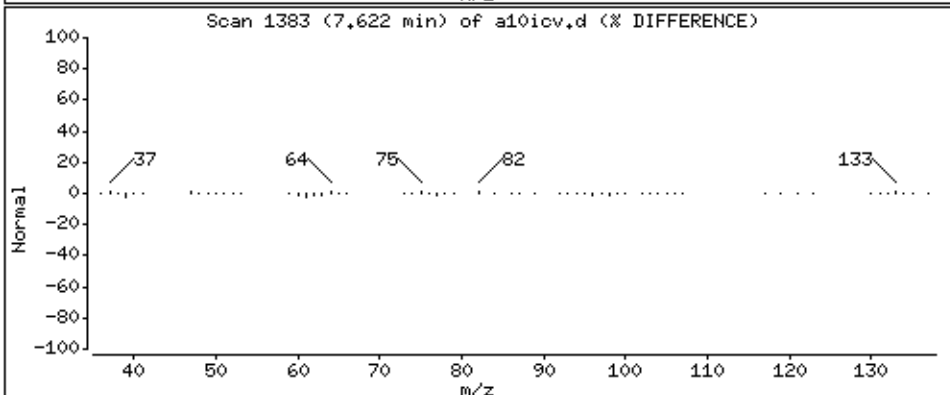
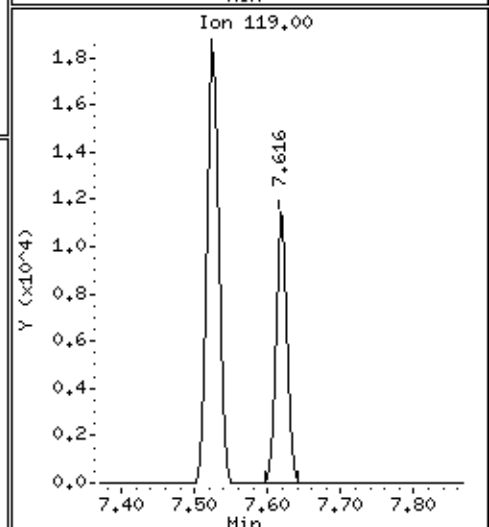
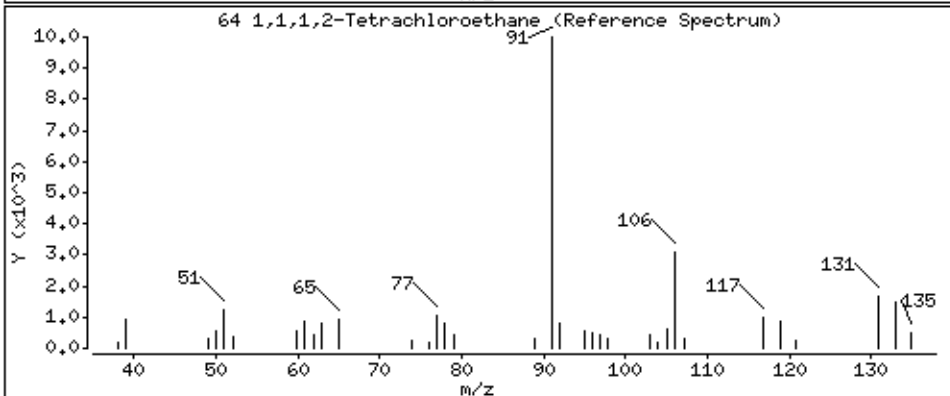
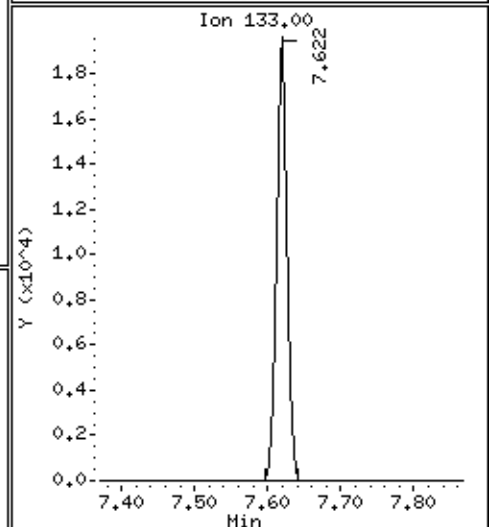
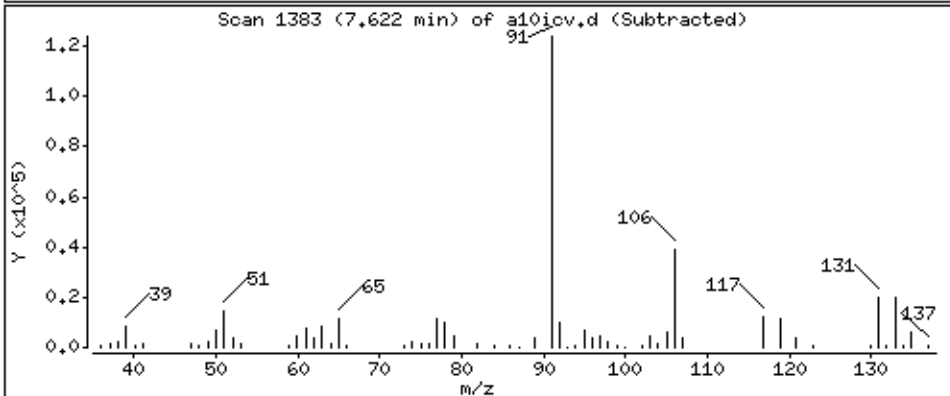
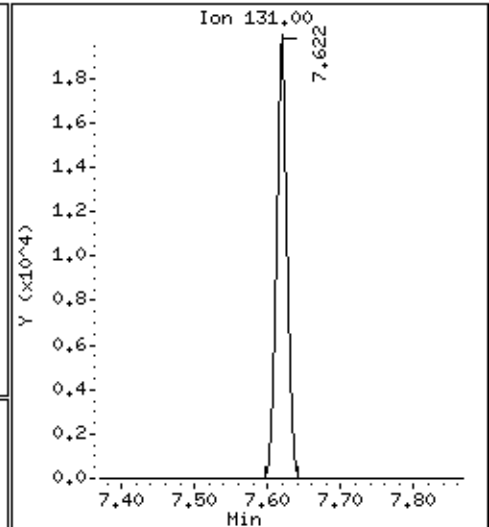
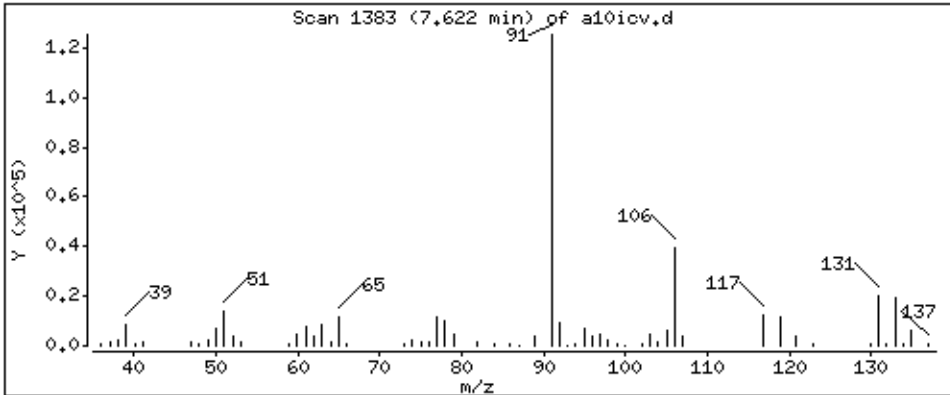
Column phase: DB-624

Column diameter: 0,18

64 1,1,1,2-Tetrachloroethane

Concentration: 49,3 ppb

Review Code:



Date : 19-JUN-2014 19:38

Client ID: 8260-ICV,71105;0

Instrument: 50mw3a.i

Sample Info: 8260-ICV,71105;0

Purge Volume: 5.0

Operator: jlz

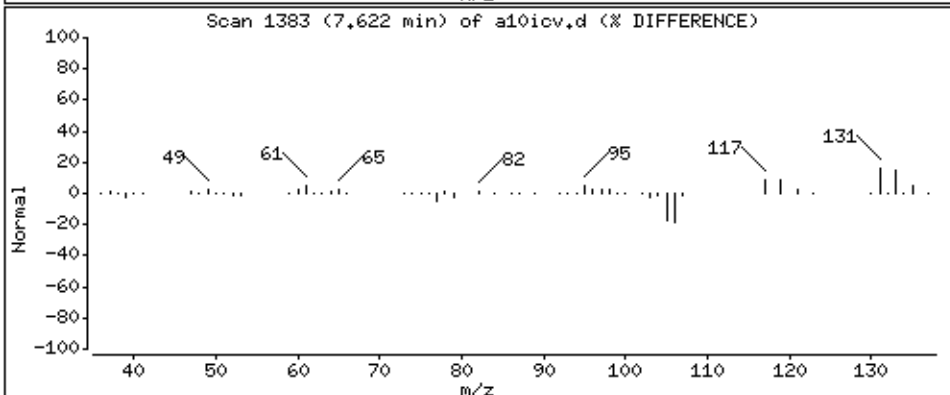
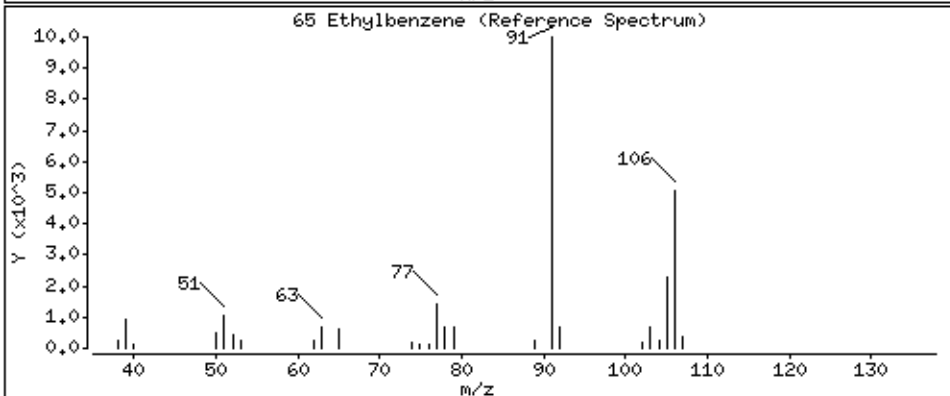
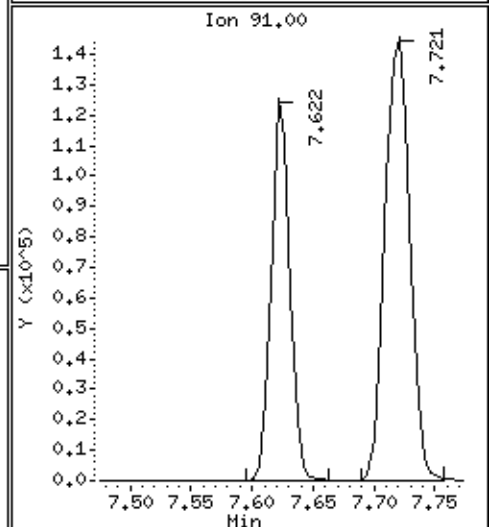
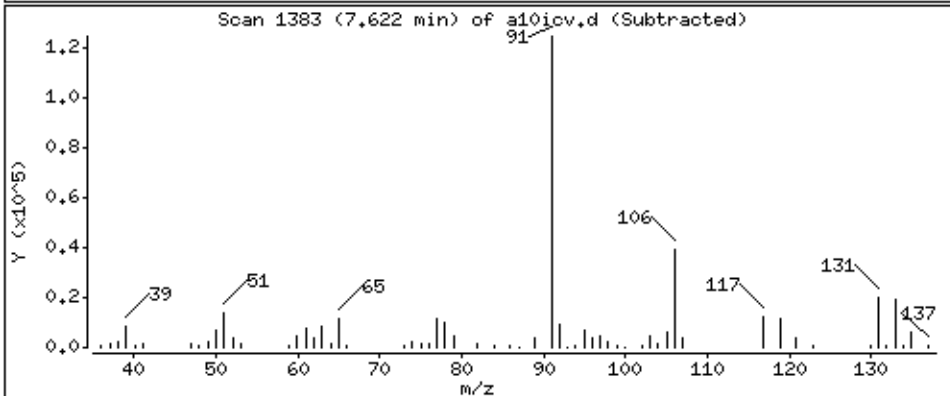
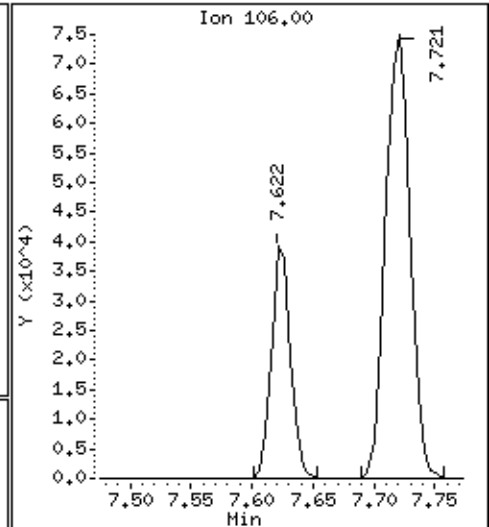
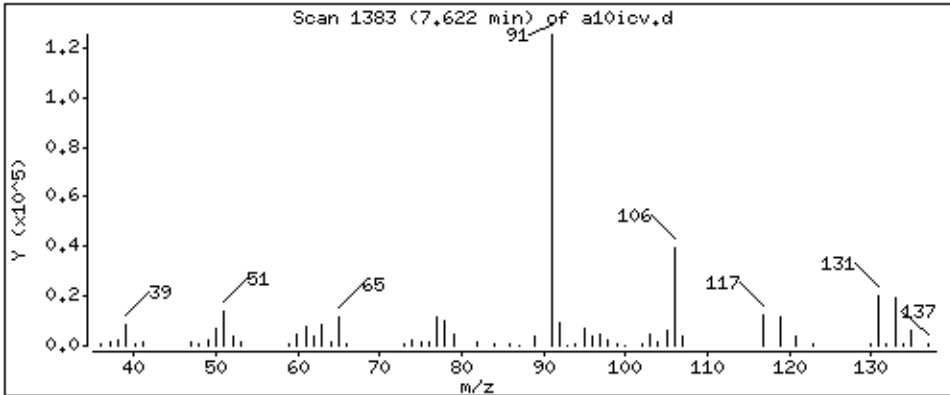
Column phase: DB-624

Column diameter: 0,18

65 Ethylbenzene

Concentration: 47,5 ppb

Review Code:



Date : 19-JUN-2014 19:38

Client ID: 8260-ICV,71105;0

Instrument: 50mw3a.i

Sample Info: 8260-ICV,71105;0

Purge Volume: 5.0

Operator: jlz

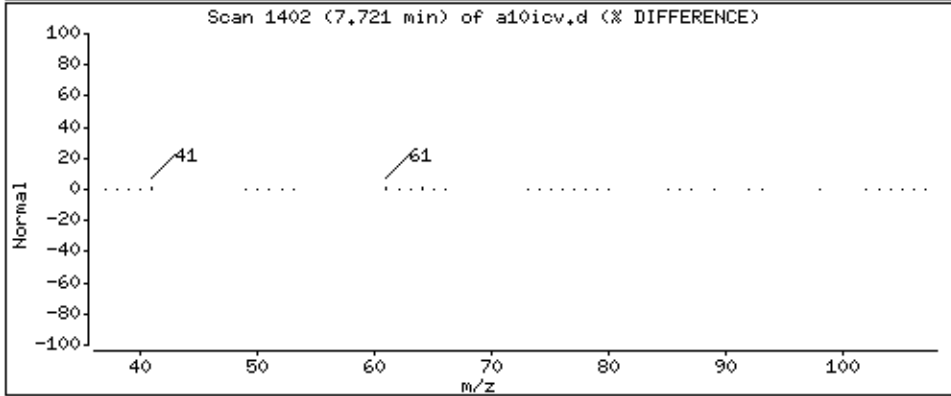
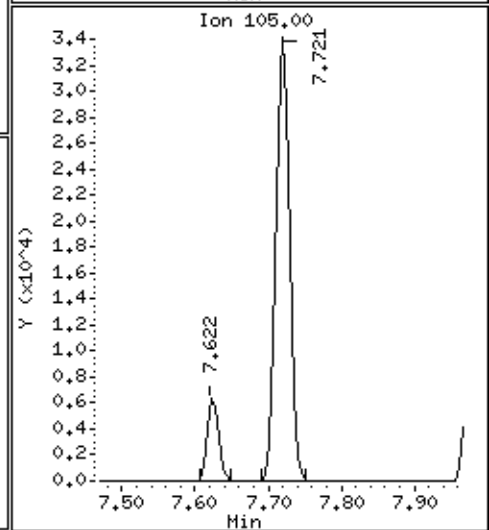
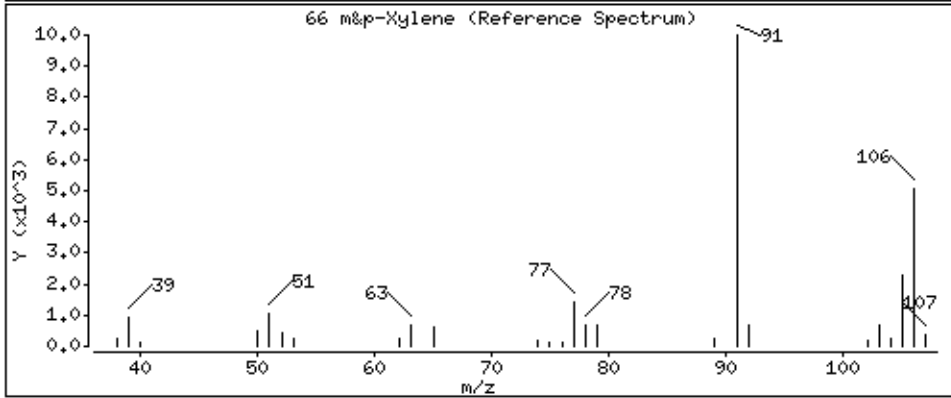
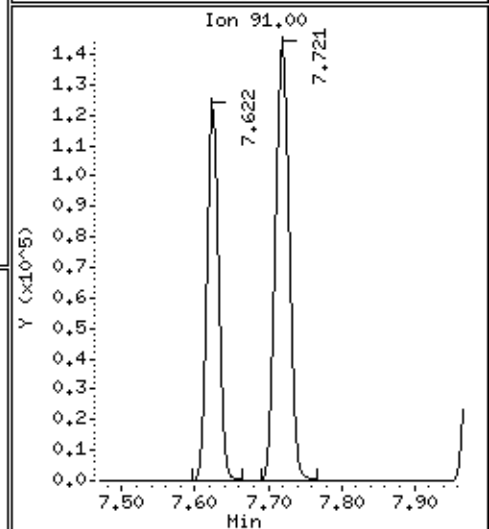
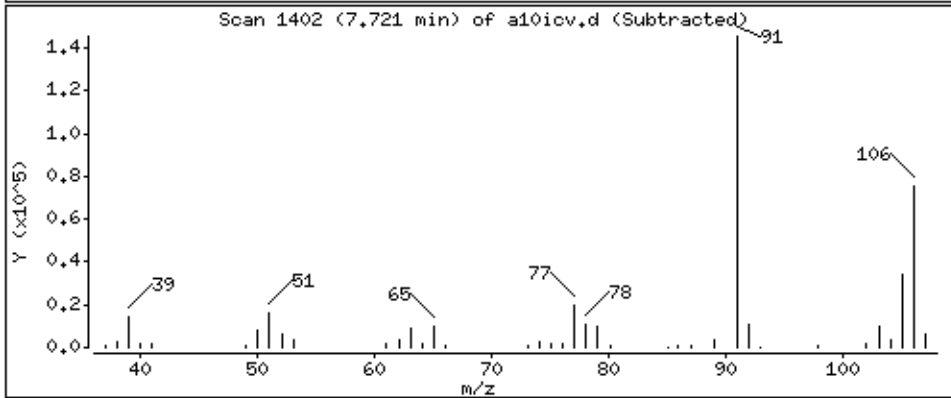
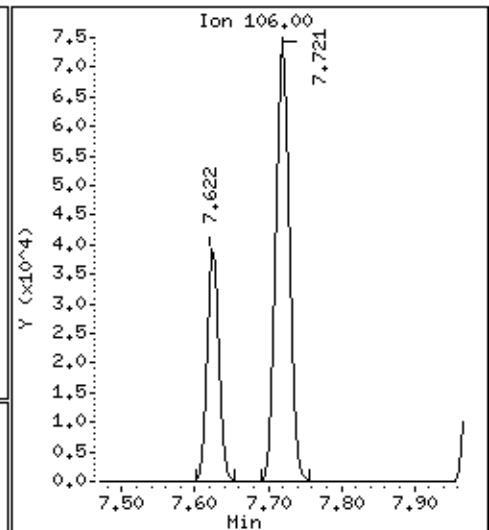
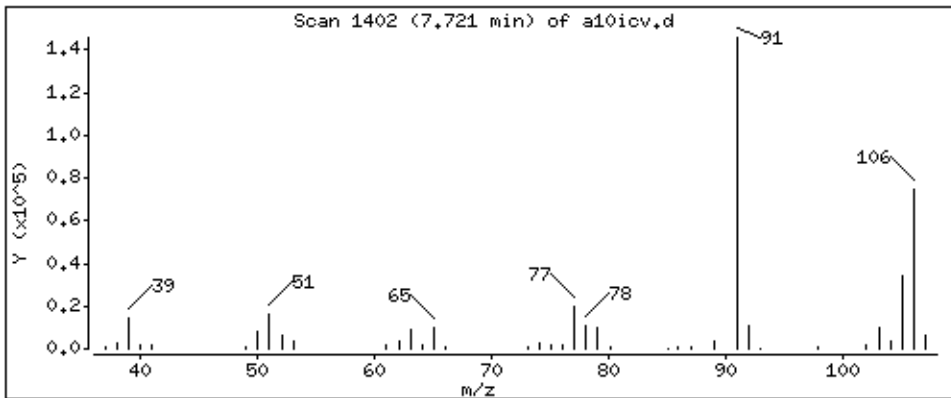
Column phase: DB-624

Column diameter: 0,18

66 m&p-Xylene

Concentration: 96,1 ppb

Review Code:



Date : 19-JUN-2014 19:38

Client ID: 8260-ICV,71105;0

Instrument: 50mw3a.i

Sample Info: 8260-ICV,71105;0

Purge Volume: 5.0

Operator: jlz

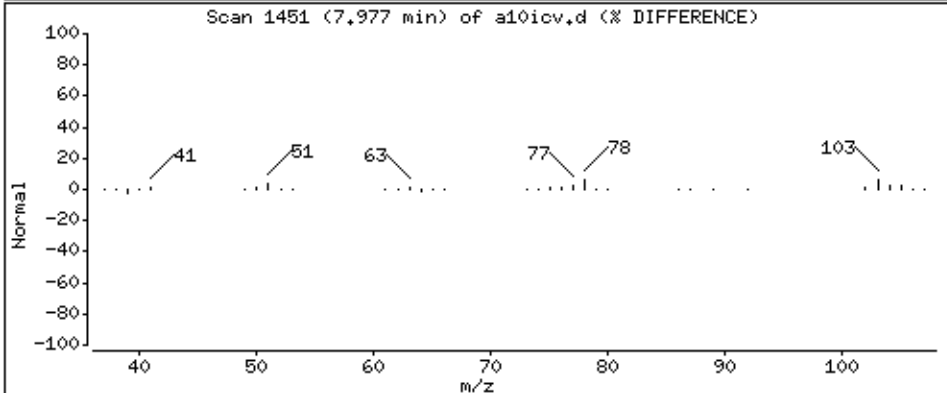
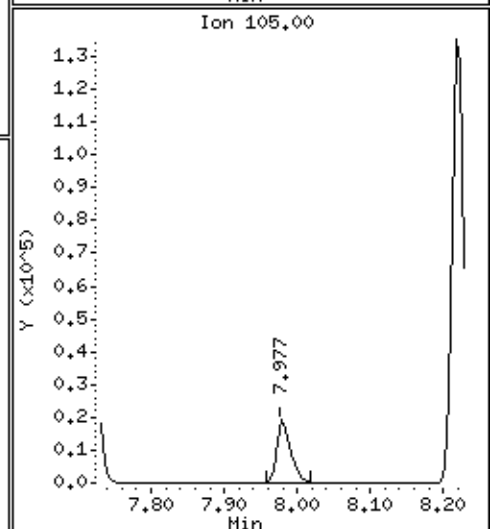
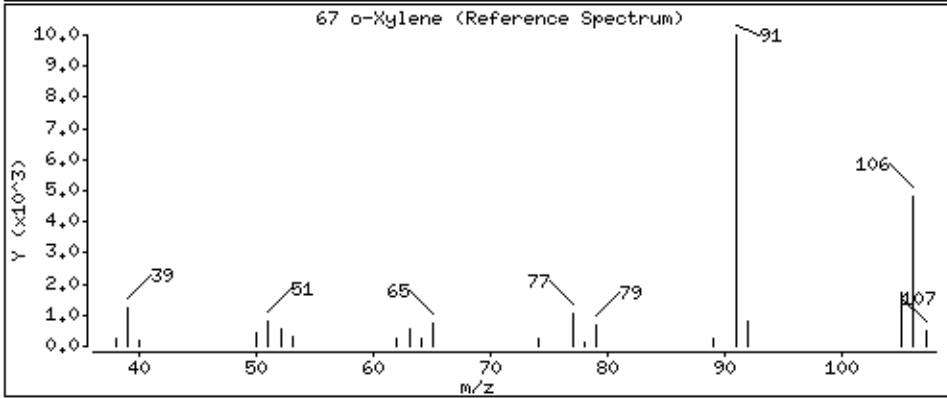
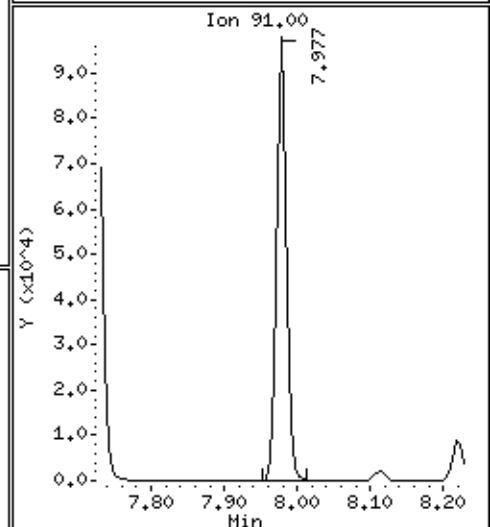
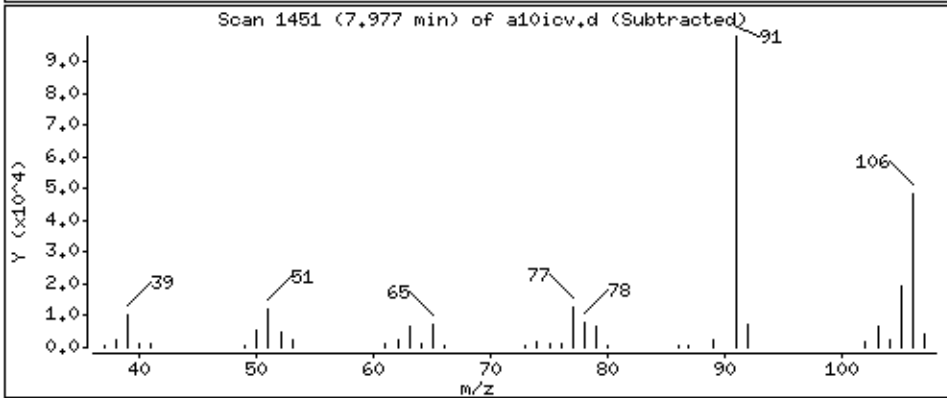
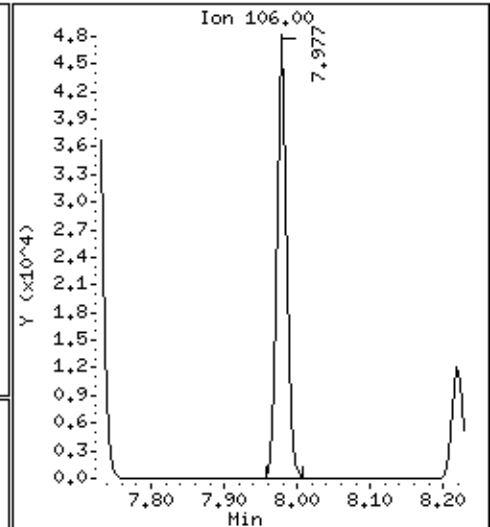
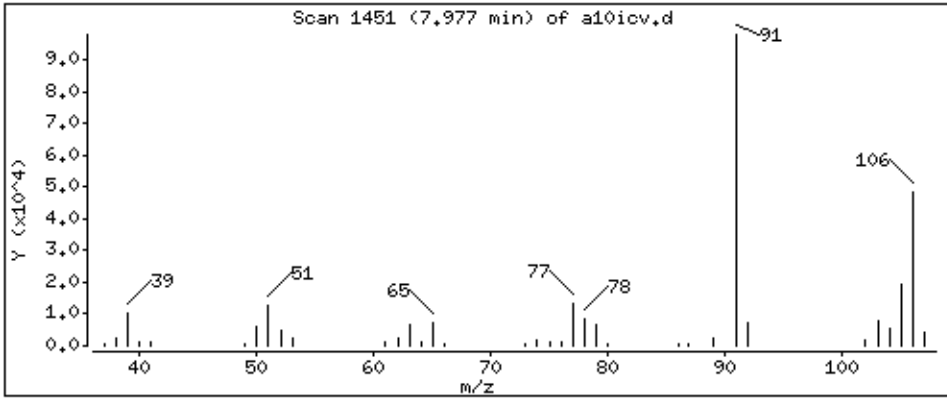
Column phase: DB-624

Column diameter: 0,18

67 o-Xylene

Concentration: 48,4 ppb

Review Code:



Date : 19-JUN-2014 19:38

Client ID: 8260-ICV,71105;0

Instrument: 50mv3a.i

Sample Info: 8260-ICV,71105;0

Purge Volume: 5.0

Operator: jlz

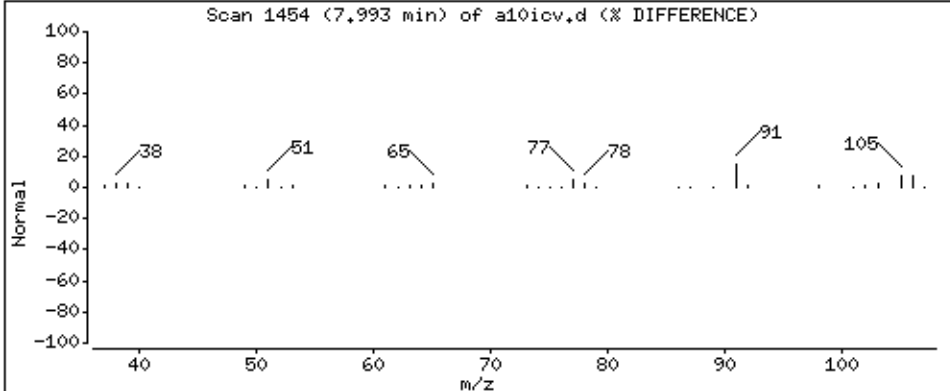
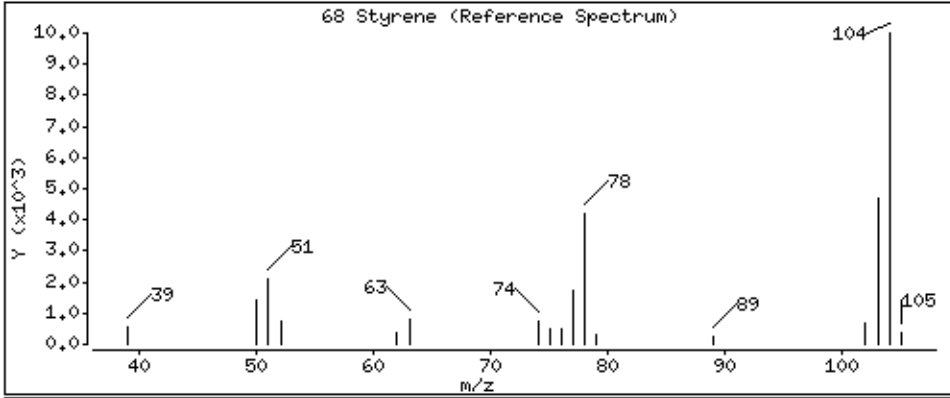
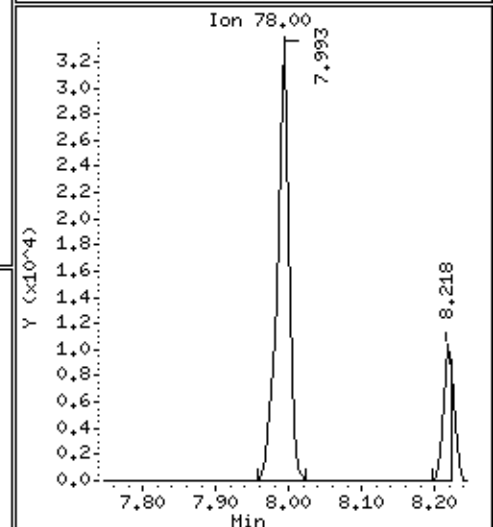
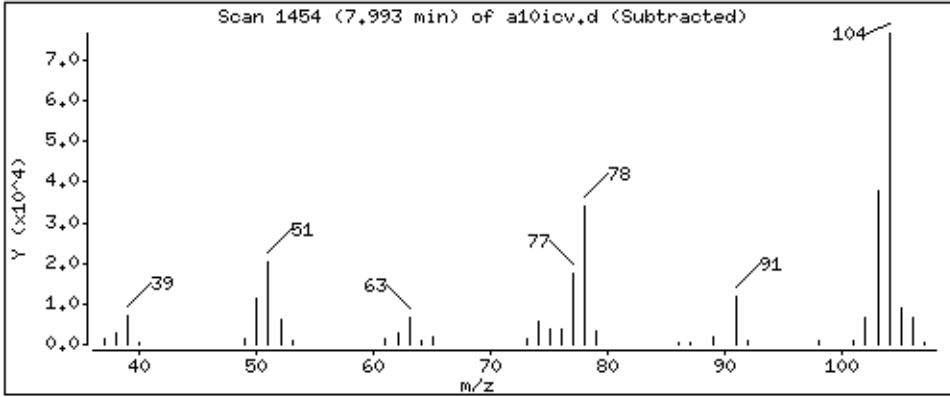
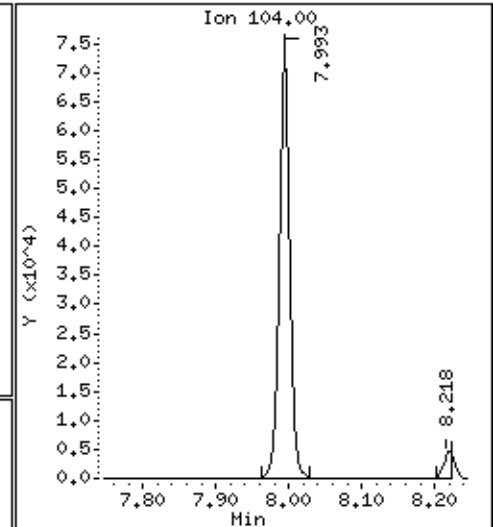
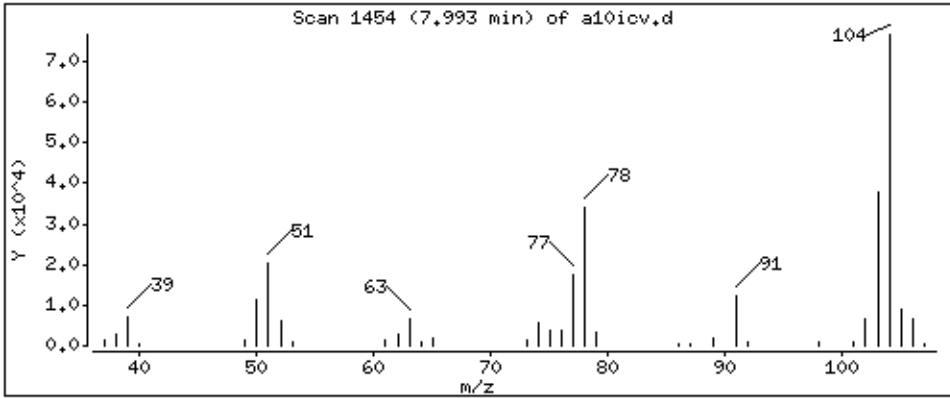
Column phase: DB-624

Column diameter: 0,18

68 Styrene

Concentration: 48,2 ppb

Review Code:



Date : 19-JUN-2014 19:38

Client ID: 8260-ICV,71105;0

Instrument: 50mw3a.i

Sample Info: 8260-ICV,71105;0

Purge Volume: 5.0

Operator: jlz

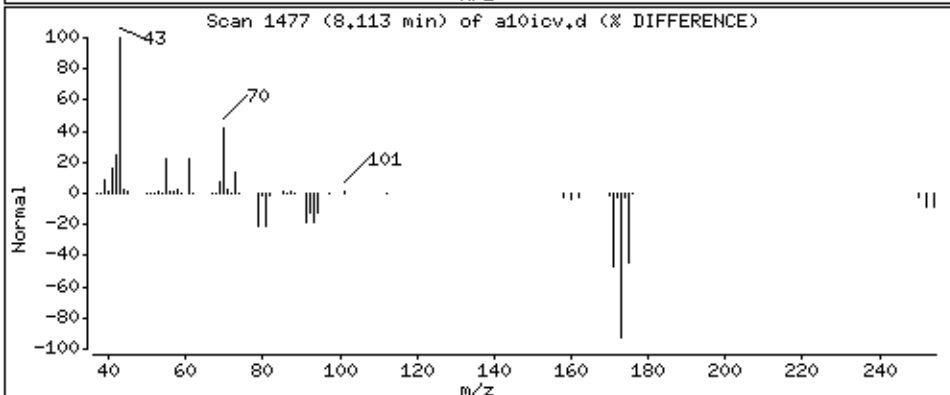
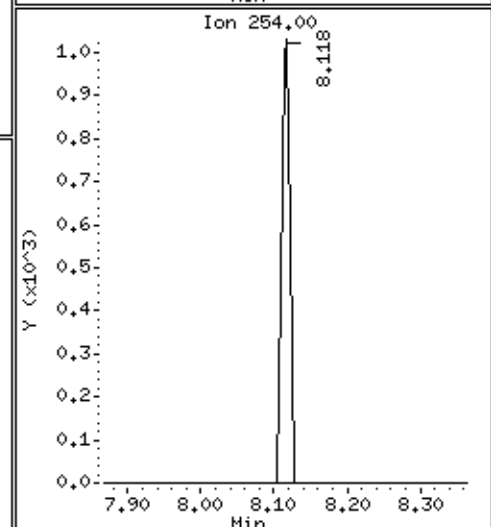
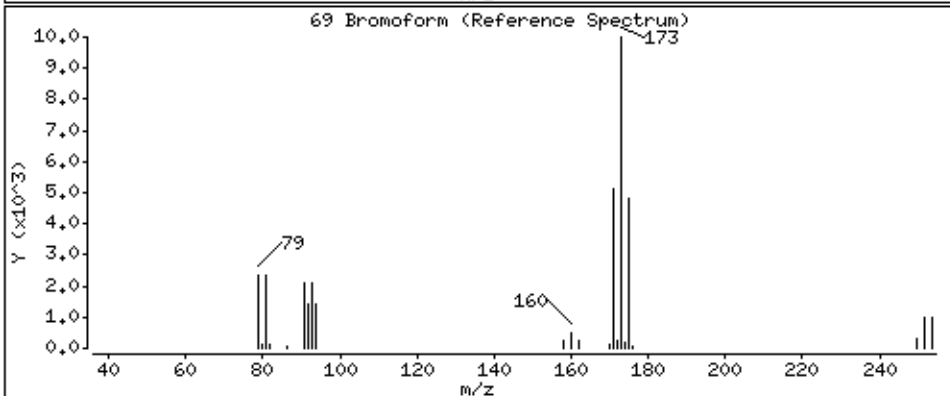
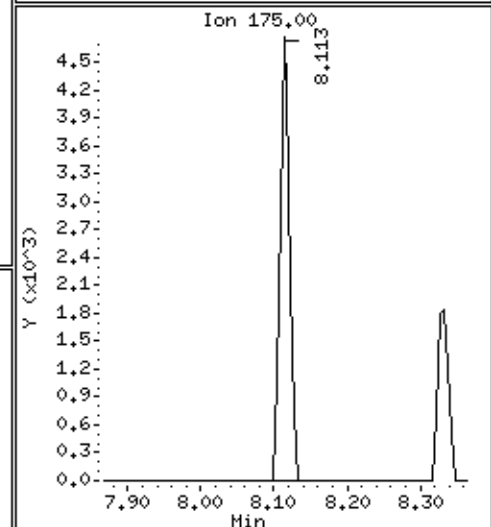
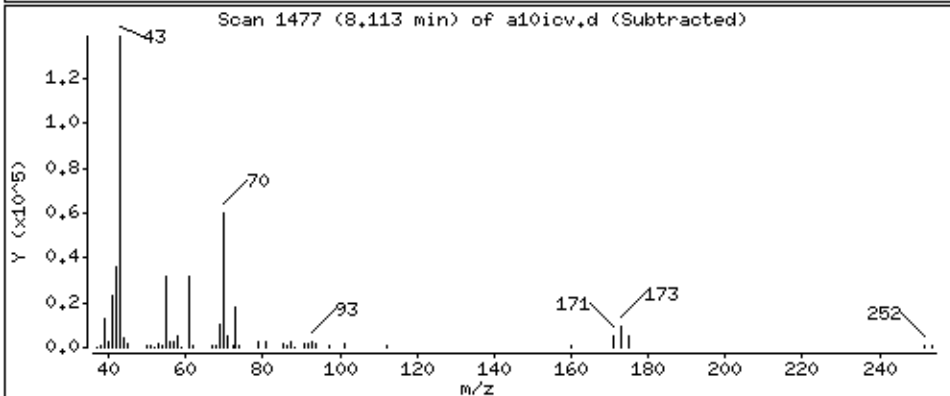
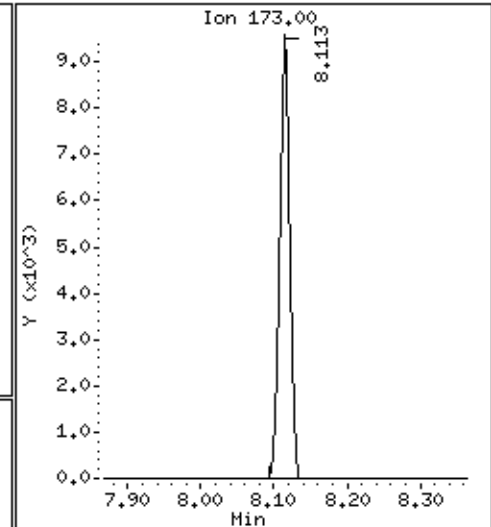
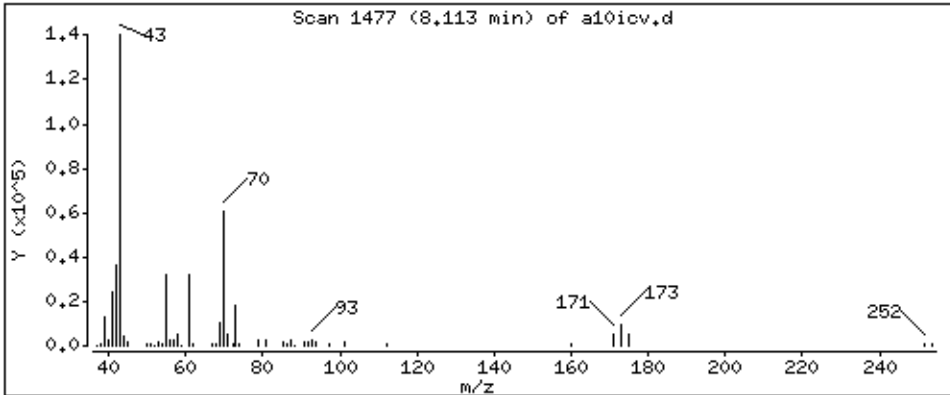
Column phase: DB-624

Column diameter: 0,18

69 Bromoform

Concentration: 44,2 ppb

Review Code:



Date : 19-JUN-2014 19:38

Client ID: 8260-ICV,71105;0

Instrument: 50mw3a.i

Sample Info: 8260-ICV,71105;0

Purge Volume: 5.0

Operator: jlz

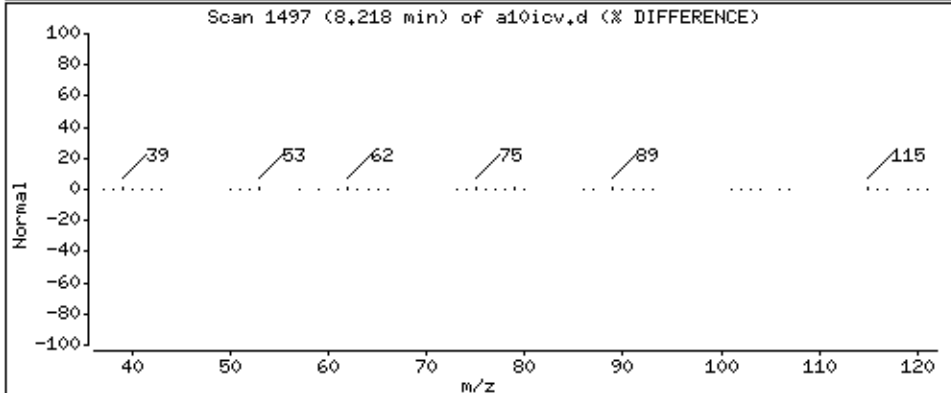
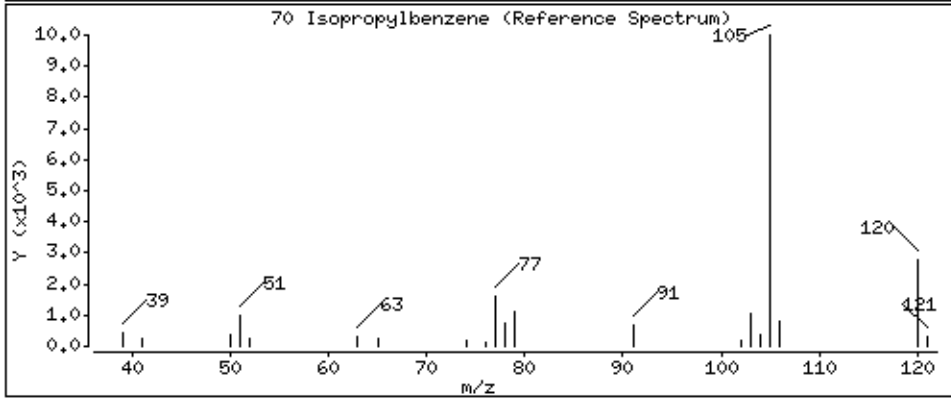
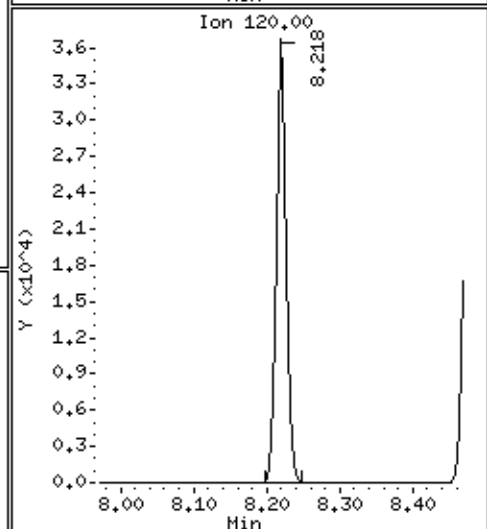
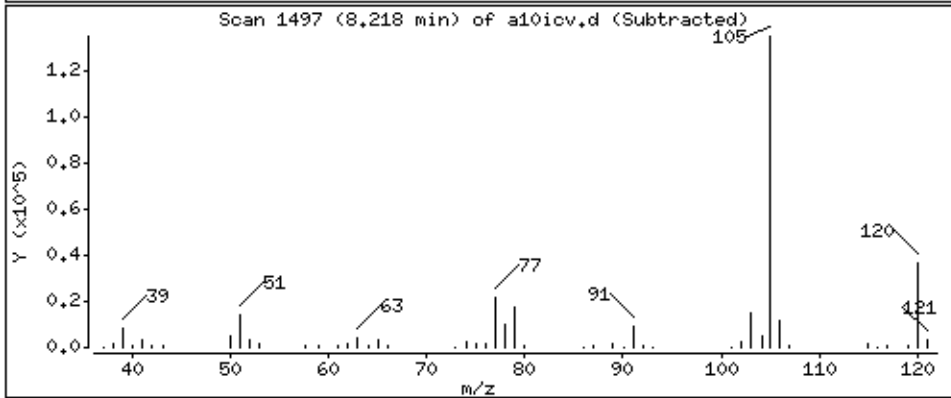
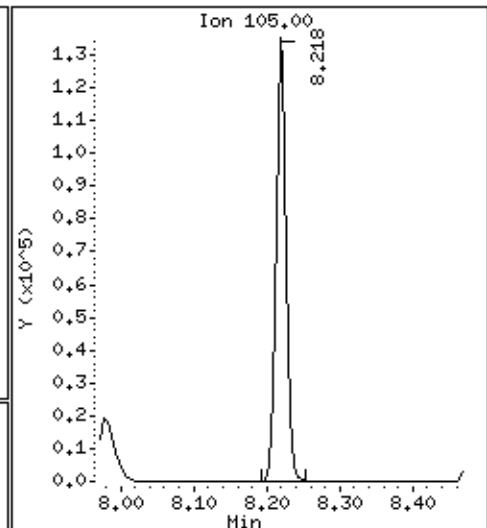
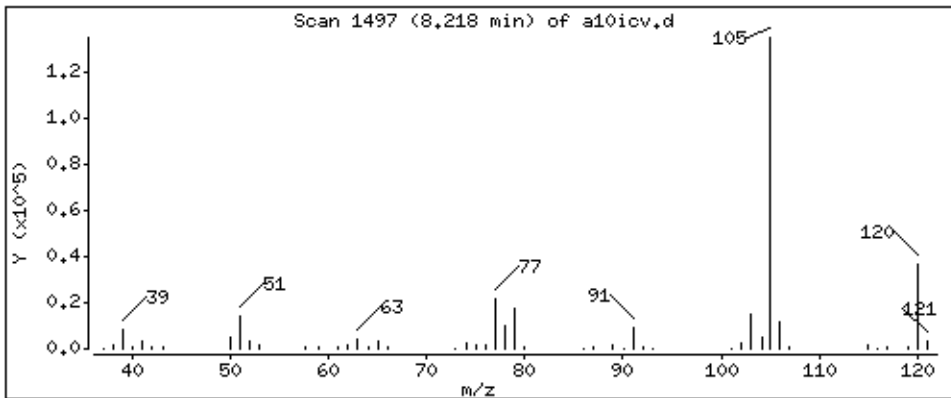
Column phase: DB-624

Column diameter: 0,18

70 Isopropylbenzene

Concentration: 49.8 ppb

Review Code:



Date : 19-JUN-2014 19:38

Client ID: 8260-ICV,71105;0

Instrument: 50mw3a.i

Sample Info: 8260-ICV,71105;0

Purge Volume: 5.0

Operator: jlz

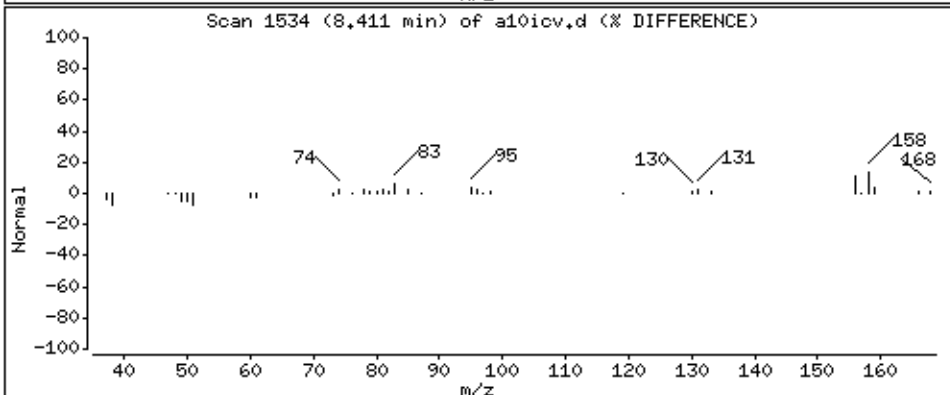
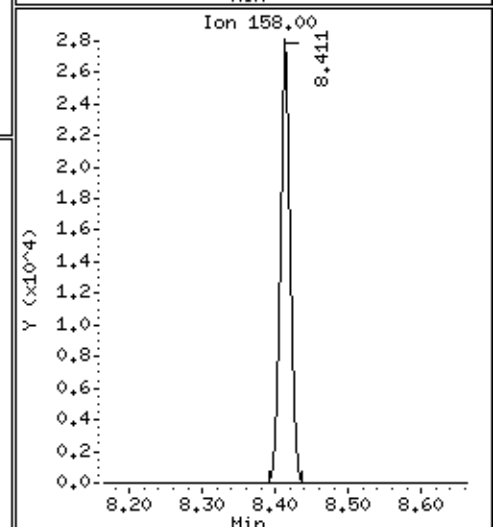
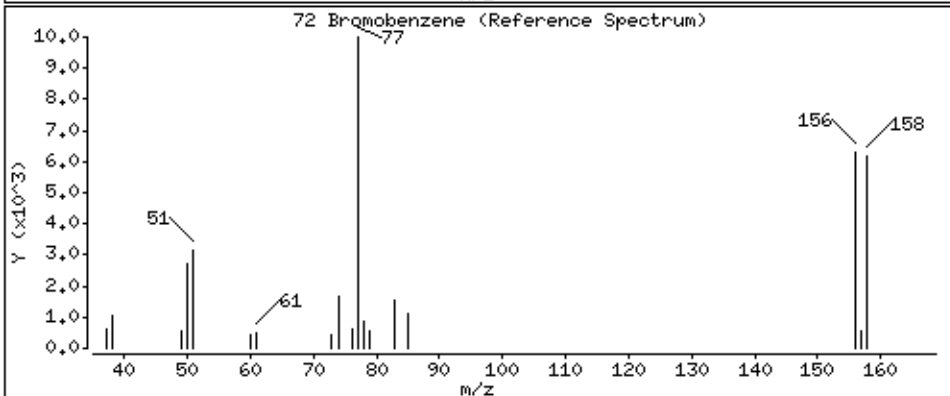
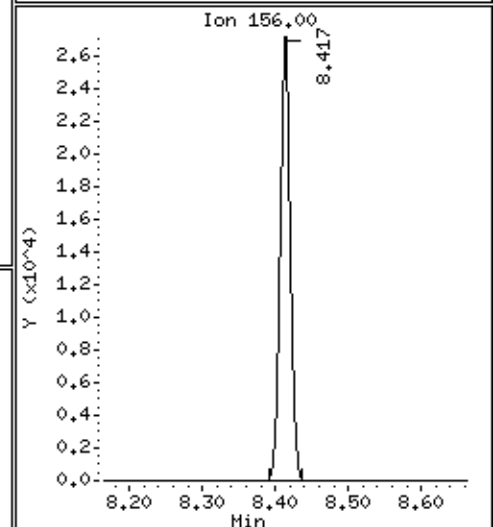
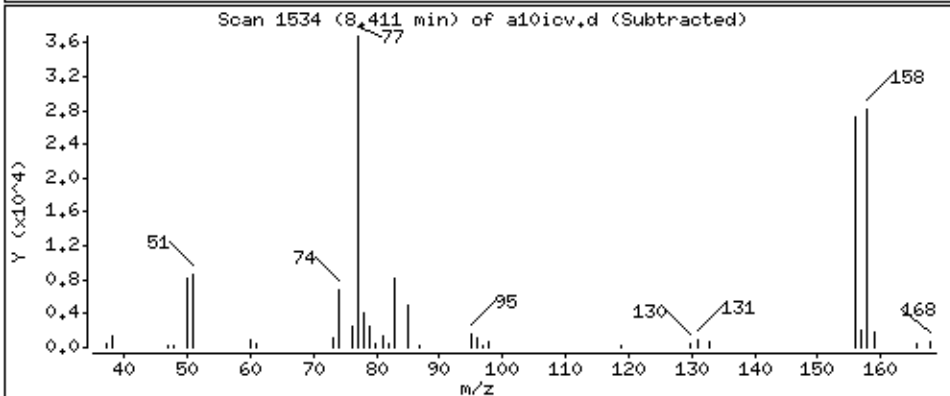
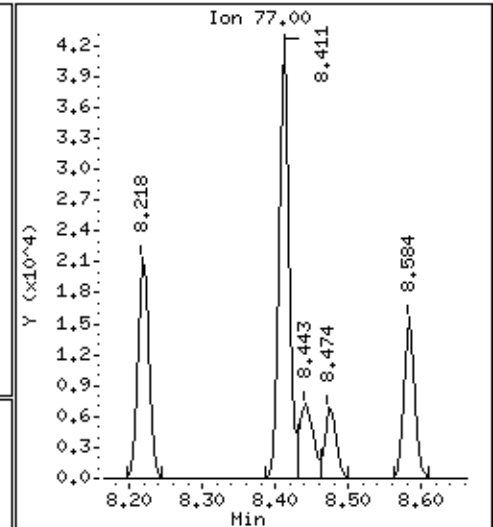
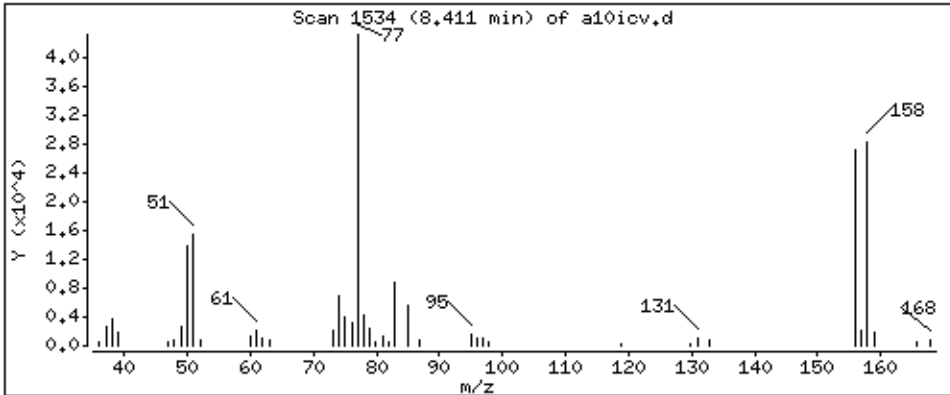
Column phase: DB-624

Column diameter: 0,18

72 Bromobenzene

Concentration: 46,9 ppb

Review Code:



Date : 19-JUN-2014 19:38

Client ID: 8260-ICV,71105:0

Instrument: 50mv3a.i

Sample Info: 8260-ICV,71105:0

Purge Volume: 5.0

Operator: jlz

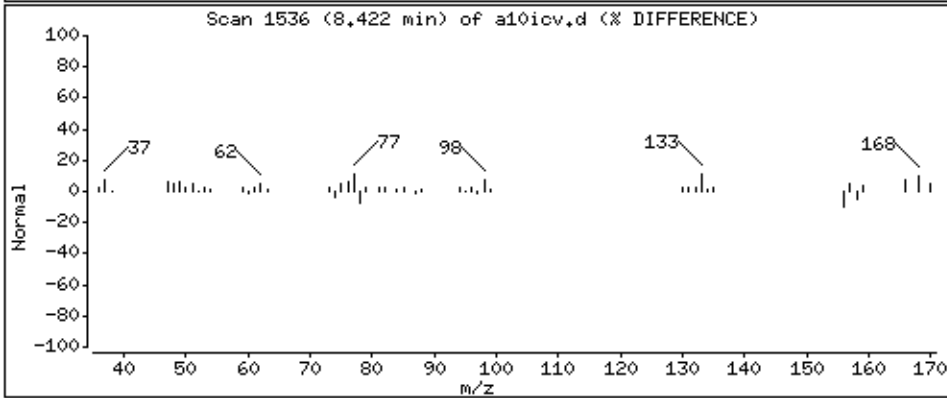
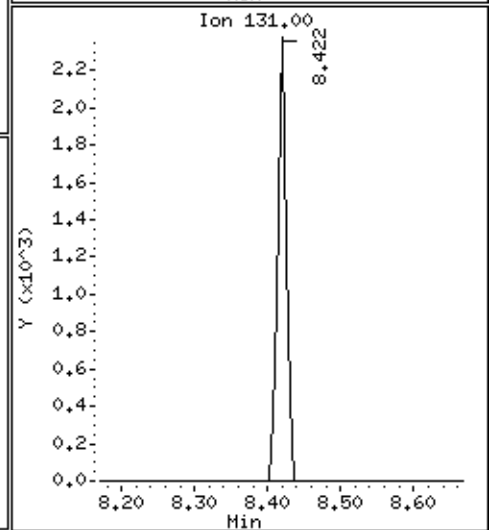
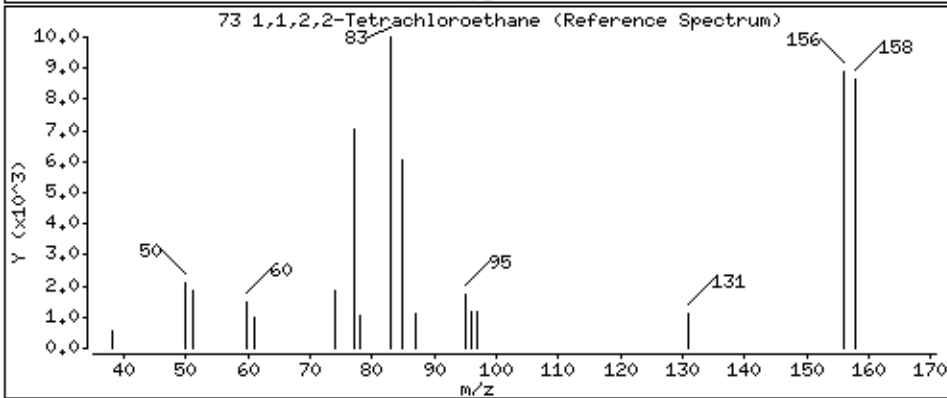
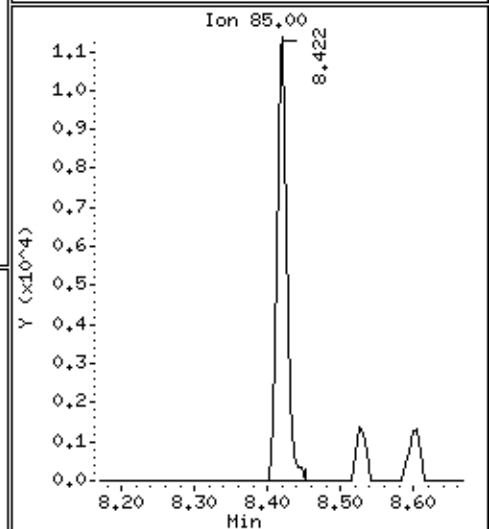
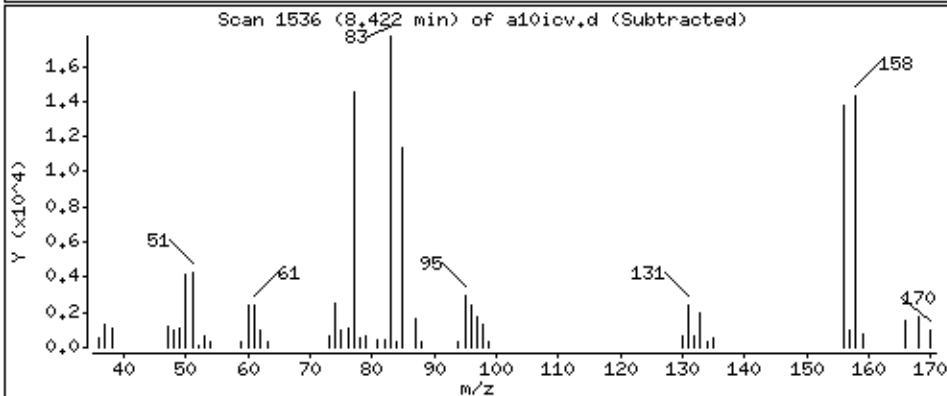
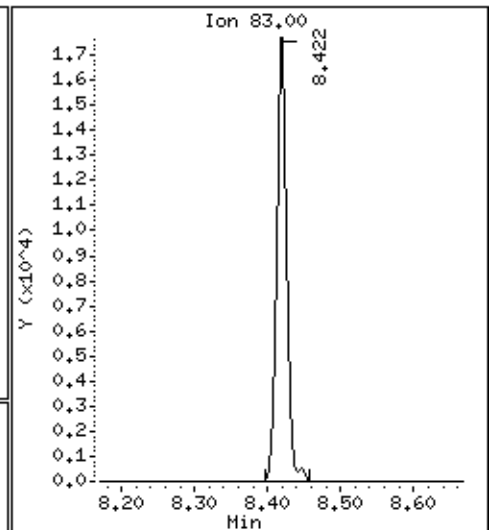
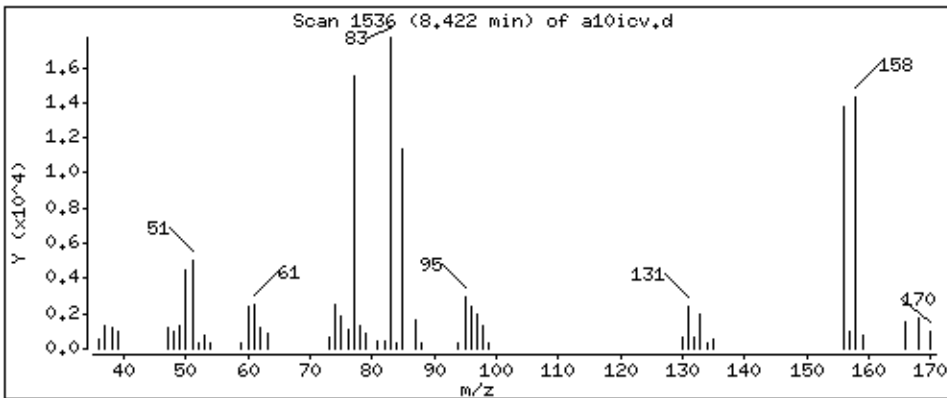
Column phase: DB-624

Column diameter: 0,18

73 1,1,2,2-Tetrachloroethane

Concentration: 48,9 ppb

Review Code:



Date : 19-JUN-2014 19:38

Client ID: 8260-ICV,71105;0

Instrument: 50mw3a.i

Sample Info: 8260-ICV,71105;0

Purge Volume: 5.0

Operator: jlz

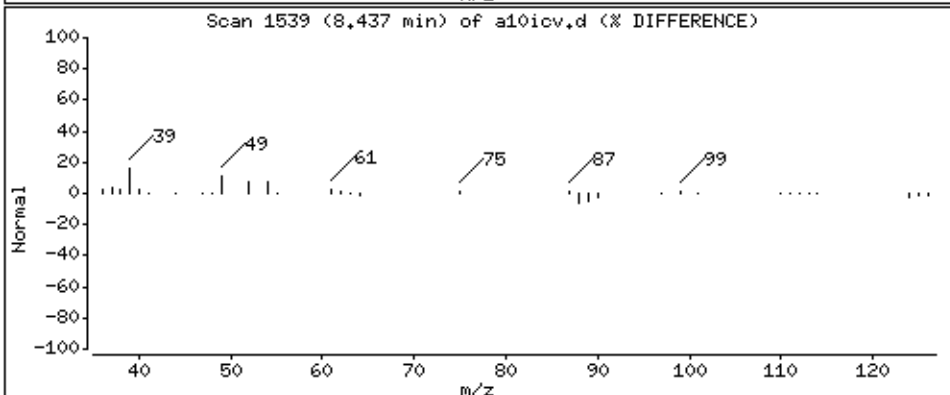
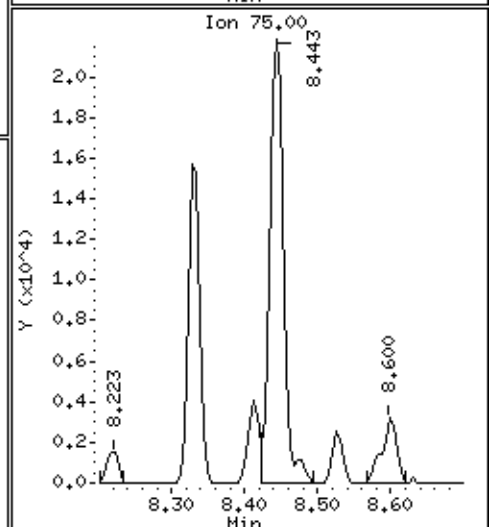
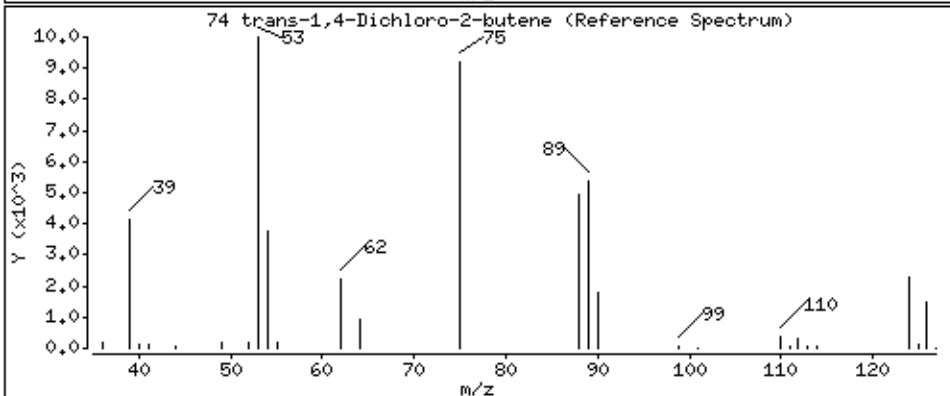
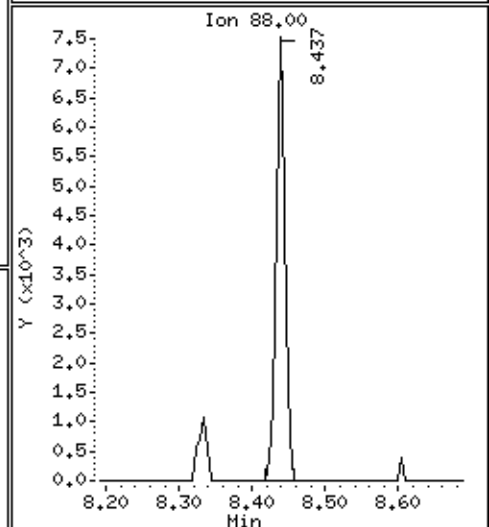
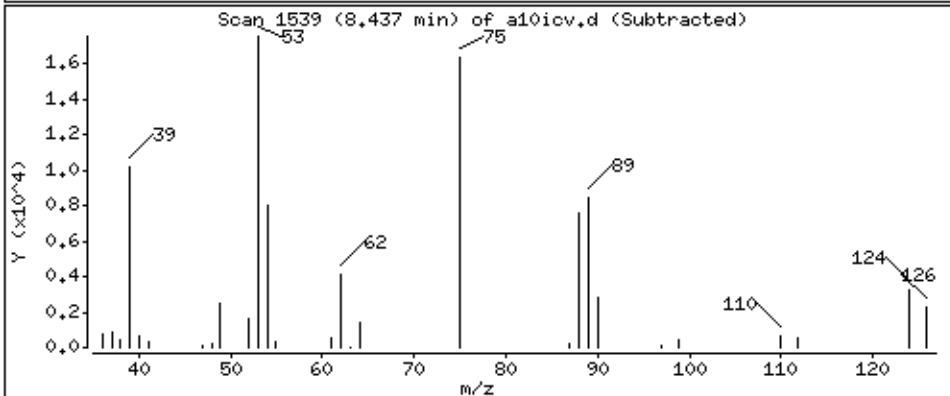
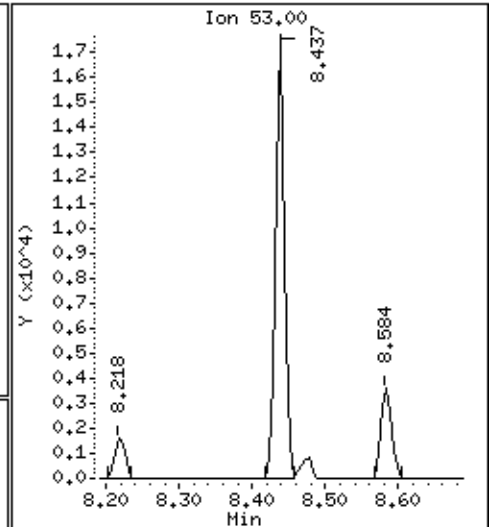
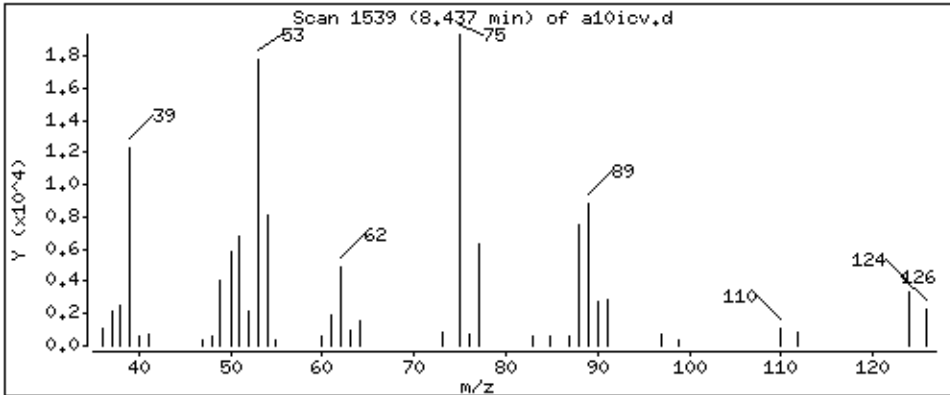
Column phase: DB-624

Column diameter: 0,18

74 trans-1,4-Dichloro-2-butene

Concentration: 160 ppb

Review Code:



Date : 19-JUN-2014 19:38

Client ID: 8260-ICV,71105;0

Instrument: 50mw3a.i

Sample Info: 8260-ICV,71105;0

Purge Volume: 5.0

Operator: jlz

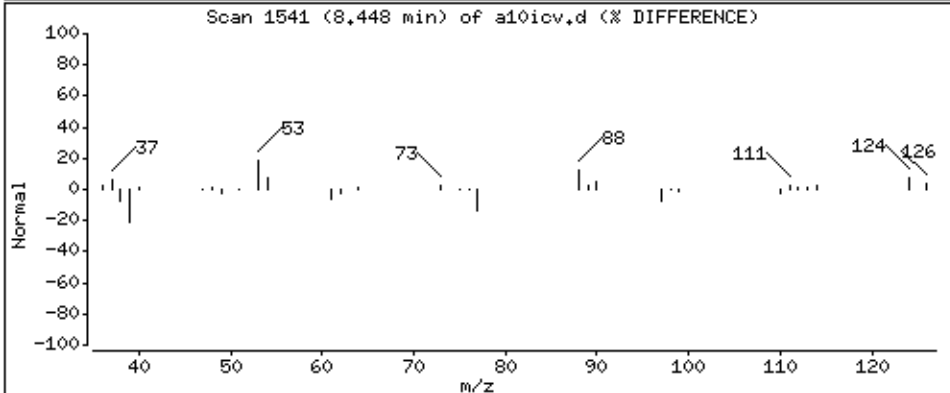
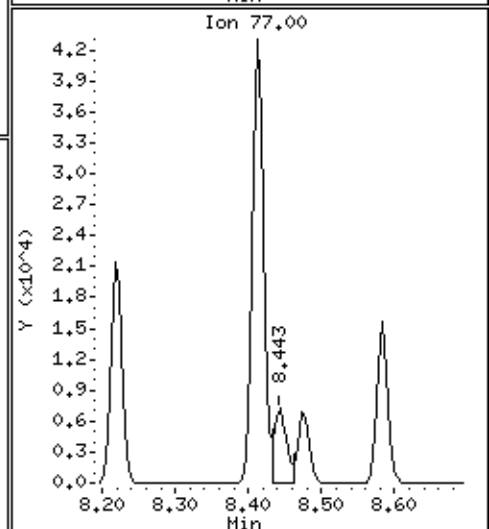
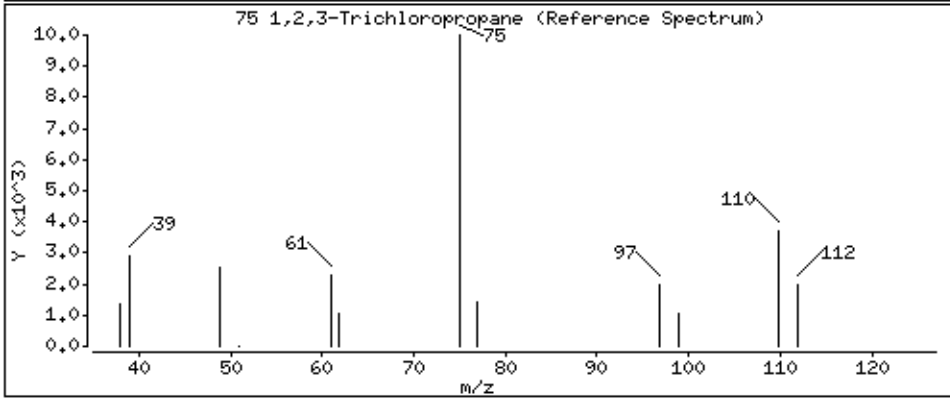
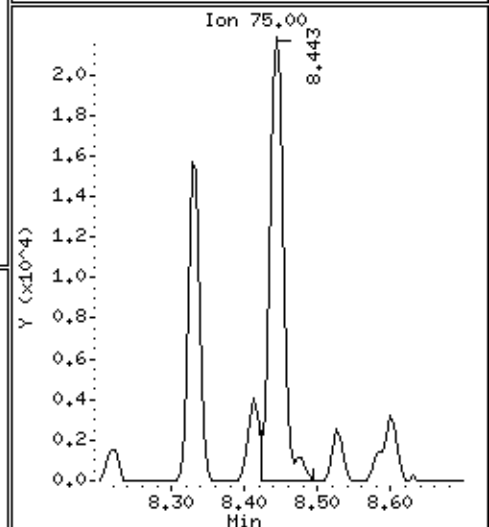
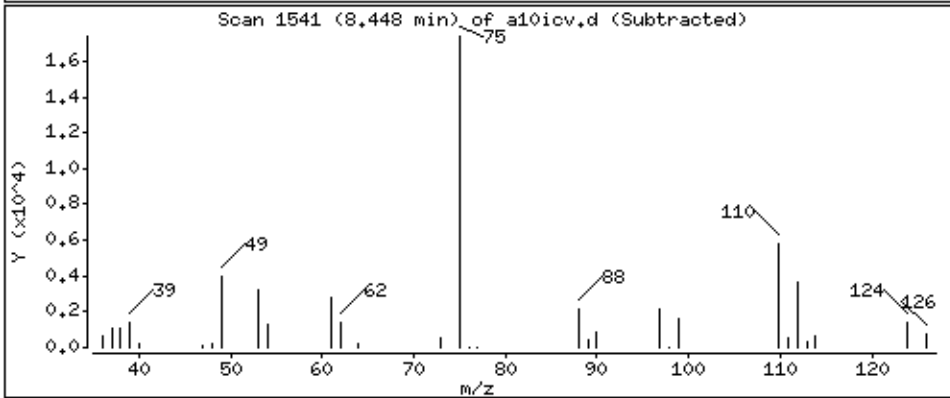
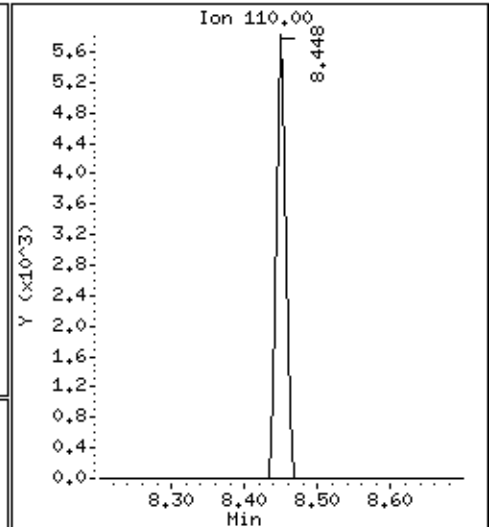
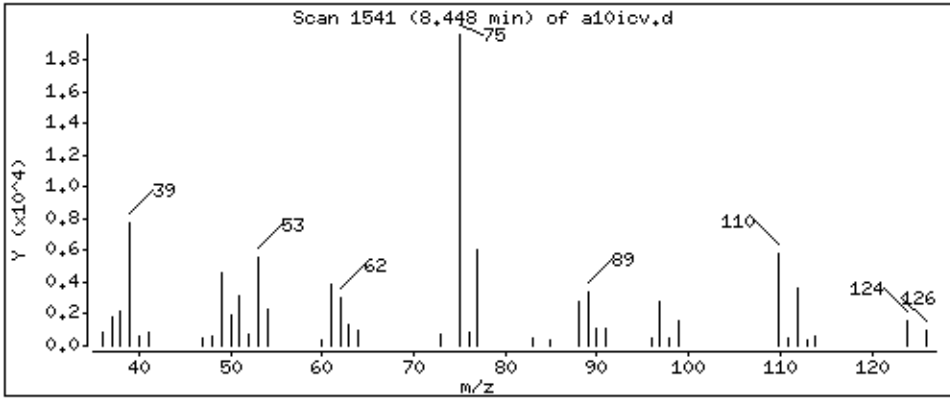
Column phase: DB-624

Column diameter: 0,18

75 1,2,3-Trichloropropane

Concentration: 45,7 ppb

Review Code:



Date : 19-JUN-2014 19:38

Client ID: 8260-ICV,71105;0

Instrument: 50mw3a.i

Sample Info: 8260-ICV,71105;0

Purge Volume: 5.0

Operator: jlz

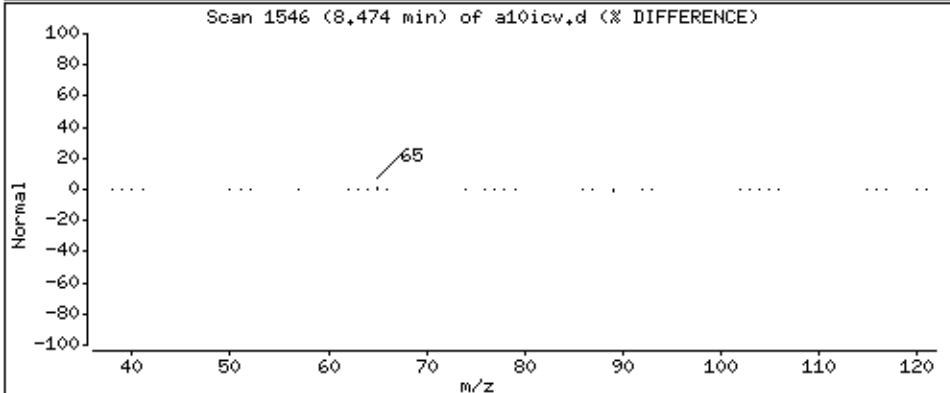
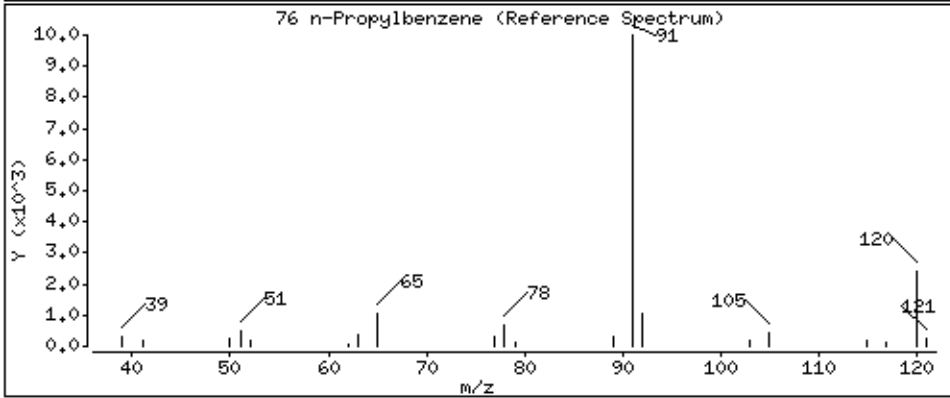
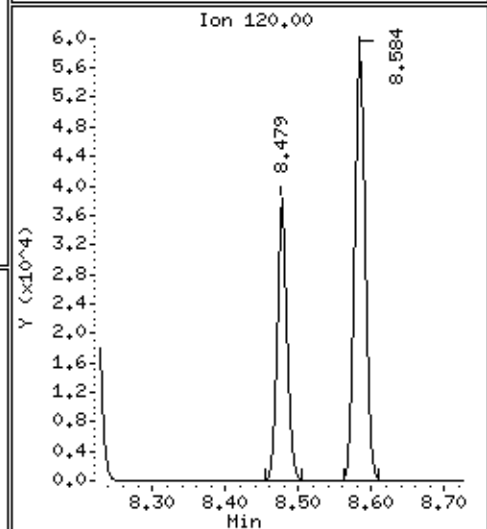
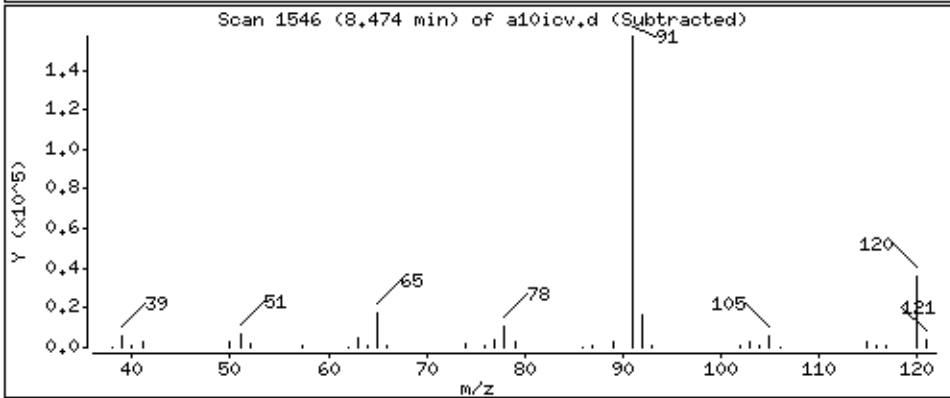
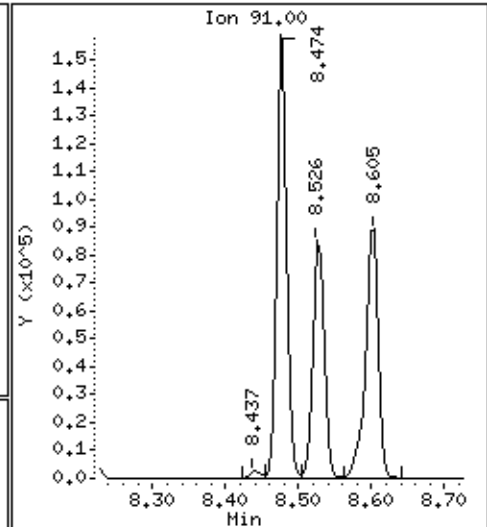
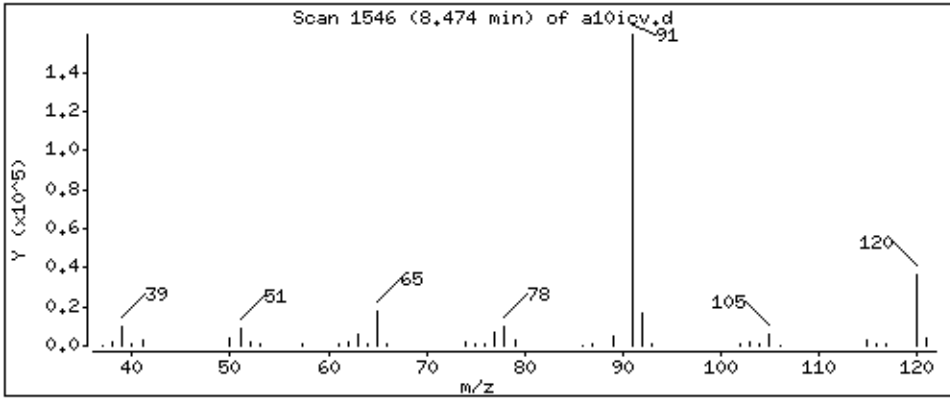
Column phase: DB-624

Column diameter: 0,18

76 n-Propylbenzene

Concentration: 49.2 ppb

Review Code:



Date : 19-JUN-2014 19:38

Client ID: 8260-ICV,71105:0

Instrument: 50mw3a.i

Sample Info: 8260-ICV,71105:0

Purge Volume: 5.0

Operator: jlz

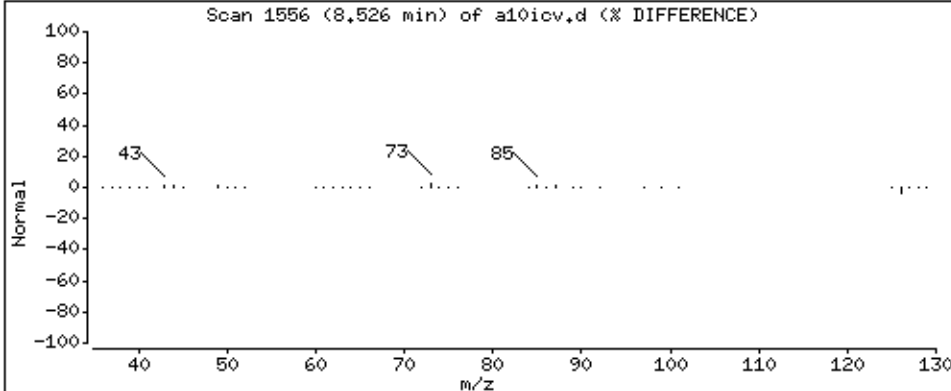
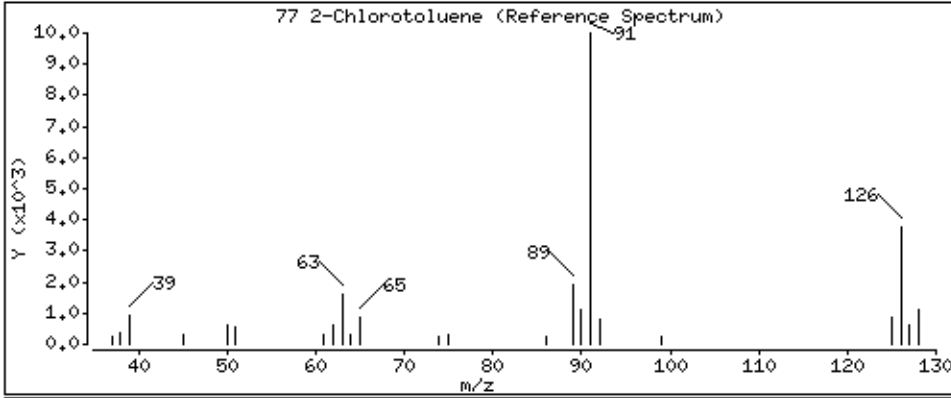
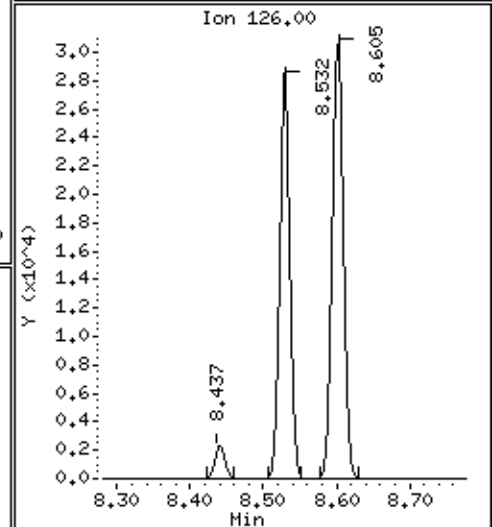
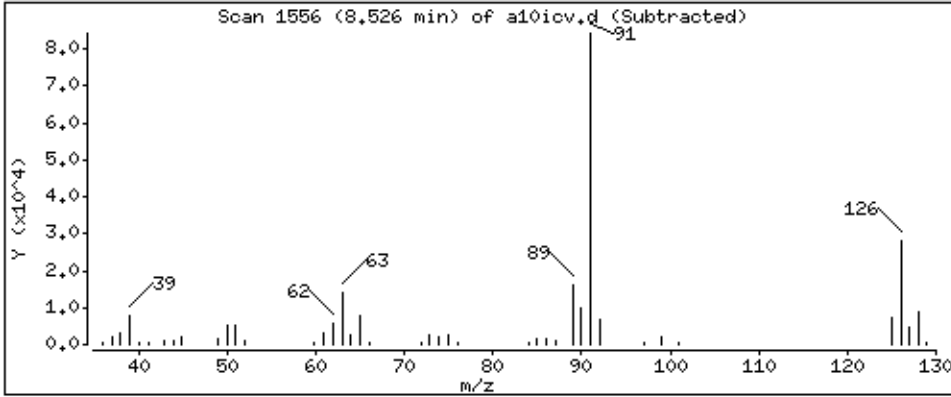
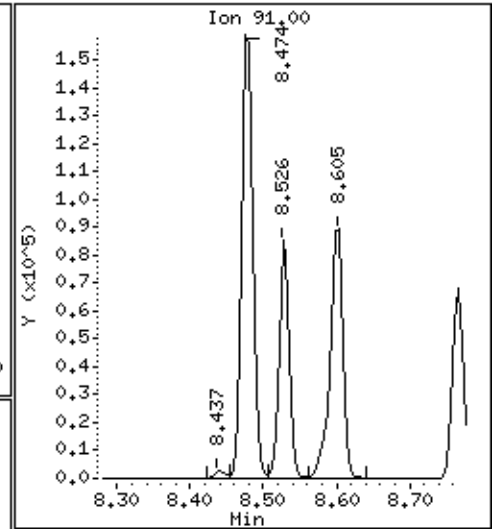
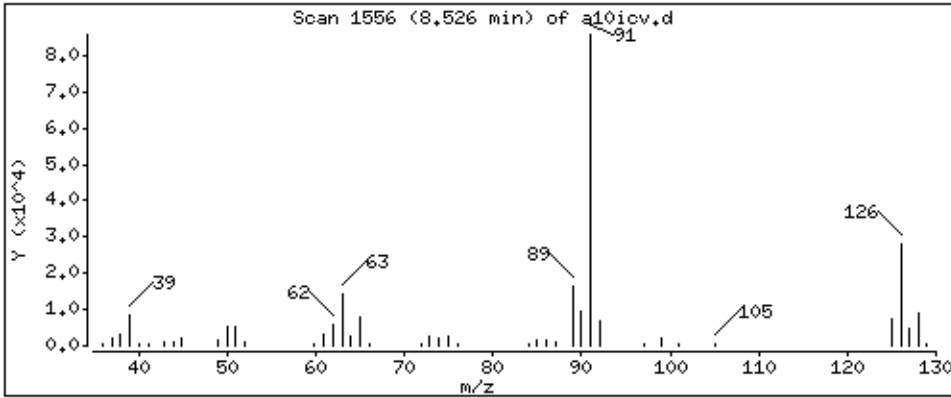
Column phase: DB-624

Column diameter: 0,18

77 2-Chlorotoluene

Concentration: 47.6 ppb

Review Code:



Date : 19-JUN-2014 19:38

Client ID: 8260-ICV,71105;0

Instrument: 50mv3a.i

Sample Info: 8260-ICV,71105;0

Purge Volume: 5.0

Operator: jlz

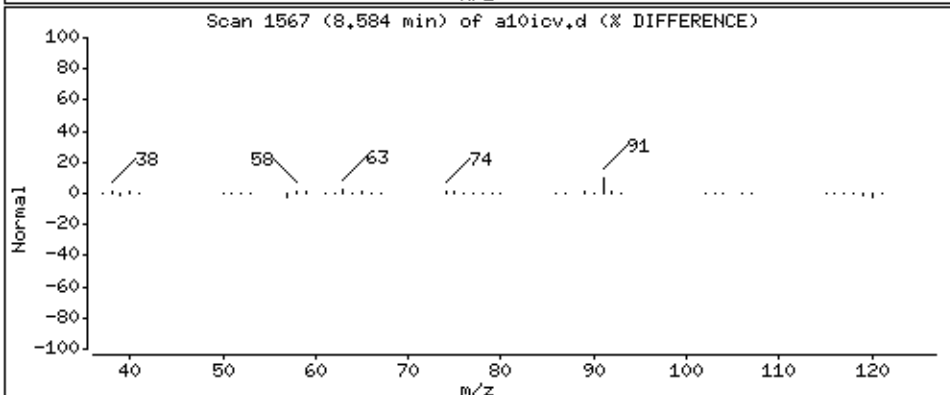
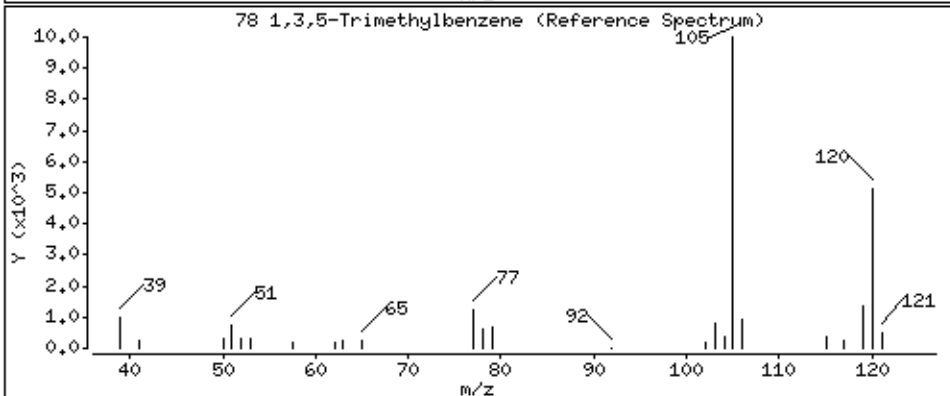
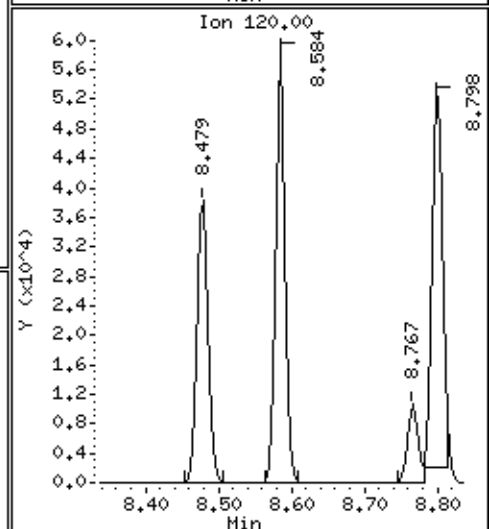
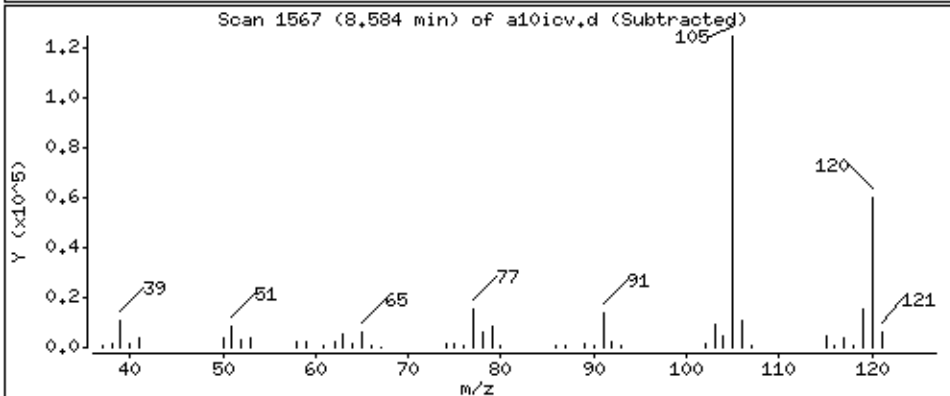
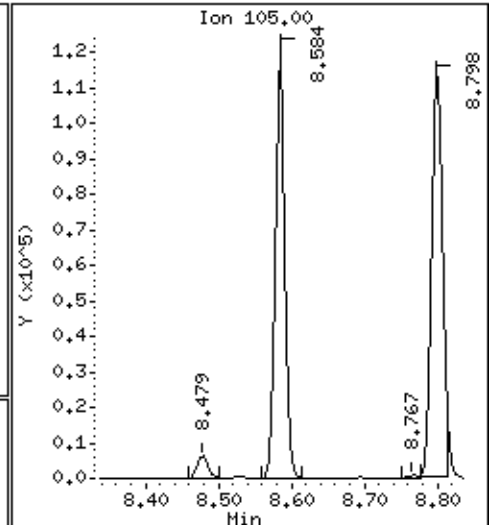
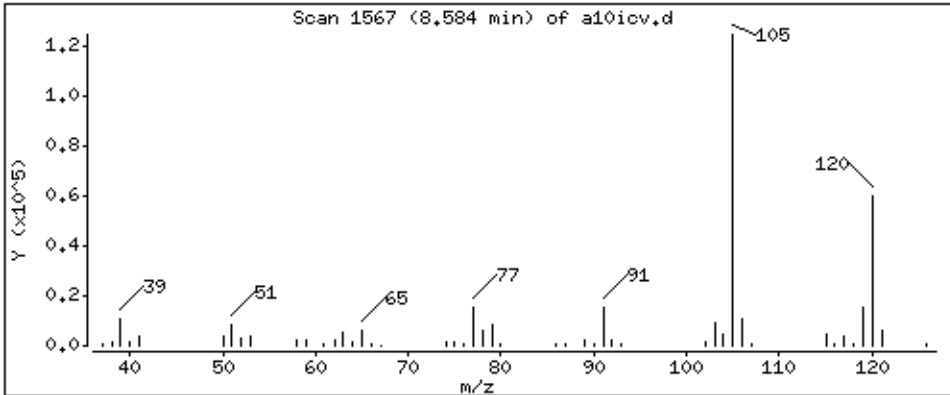
Column phase: DB-624

Column diameter: 0,18

78 1,3,5-Trimethylbenzene

Concentration: 47.9 ppb

Review Code:



Date : 19-JUN-2014 19:38

Client ID: 8260-ICV,71105;0

Instrument: 50mv3a.i

Sample Info: 8260-ICV,71105;0

Purge Volume: 5.0

Operator: jlz

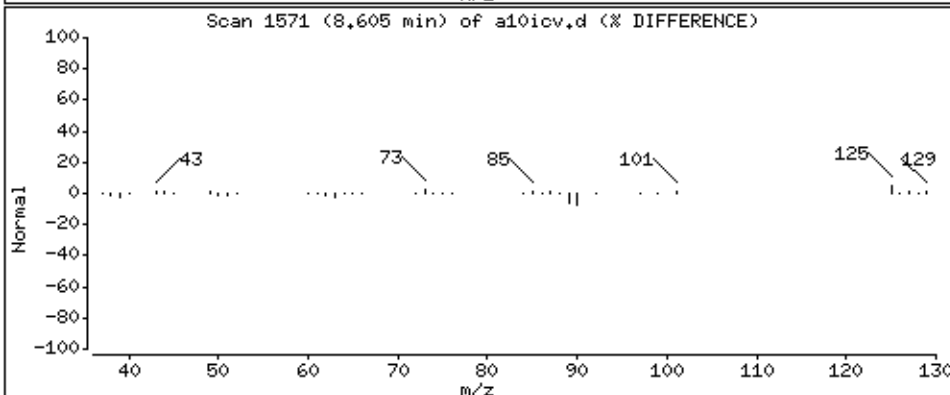
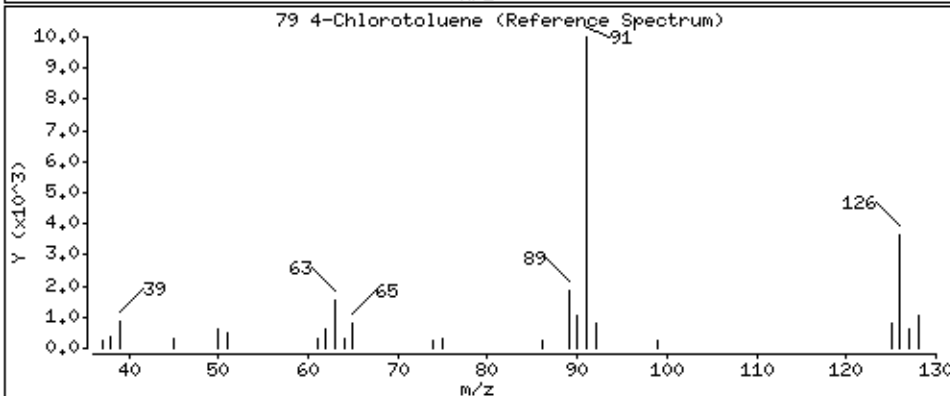
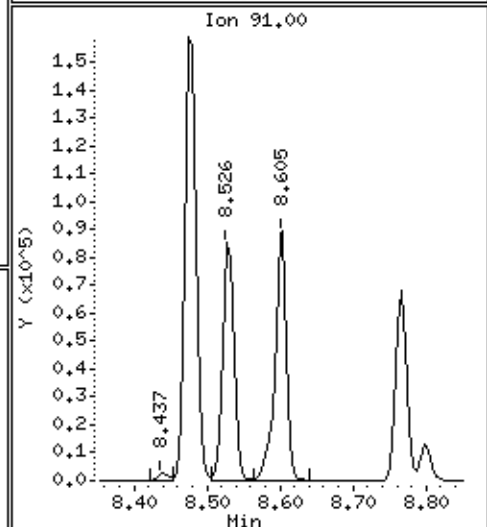
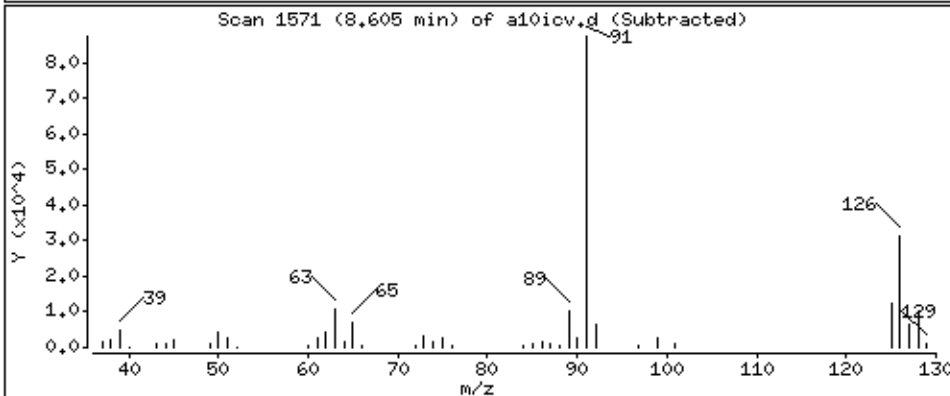
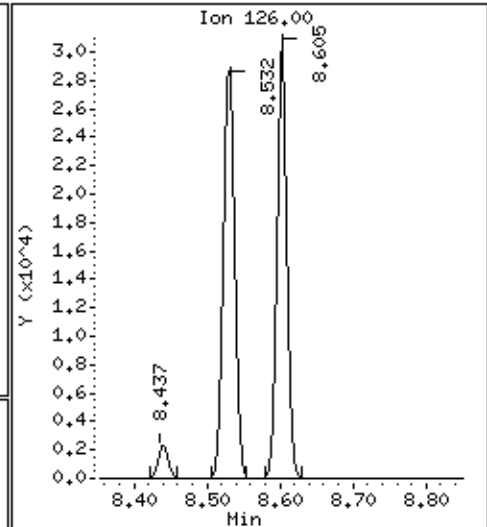
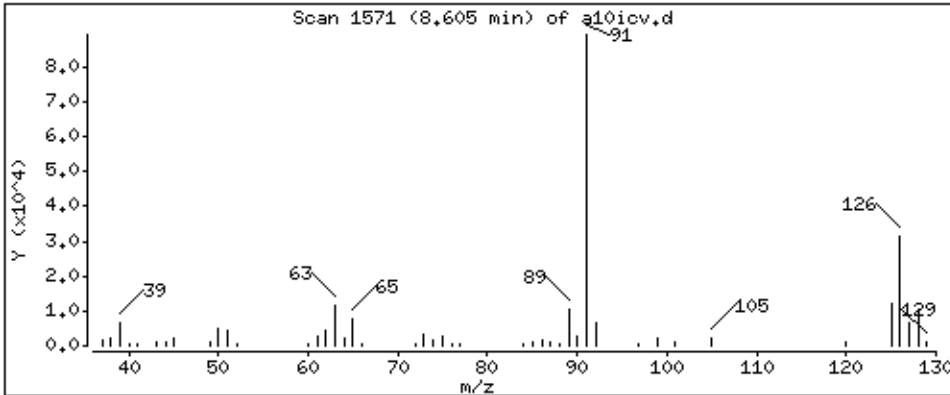
Column phase: DB-624

Column diameter: 0,18

79 4-Chlorotoluene

Concentration: 48,6 ppb

Review Code:



Date : 19-JUN-2014 19:38

Client ID: 8260-ICV,71105;0

Instrument: 50mv3a.i

Sample Info: 8260-ICV,71105;0

Purge Volume: 5.0

Operator: jlz

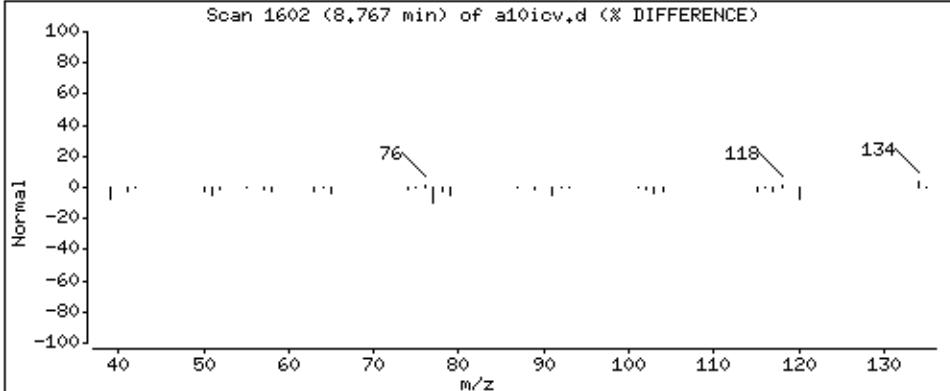
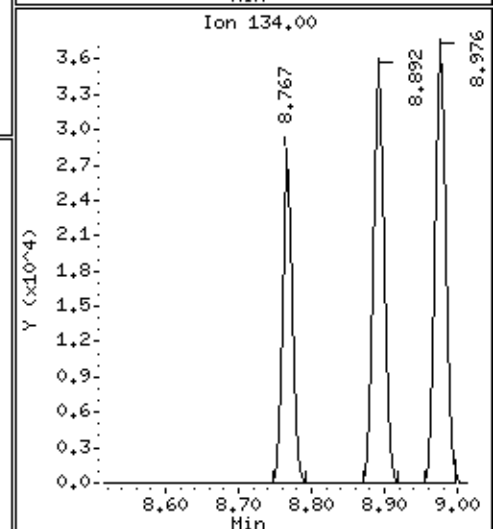
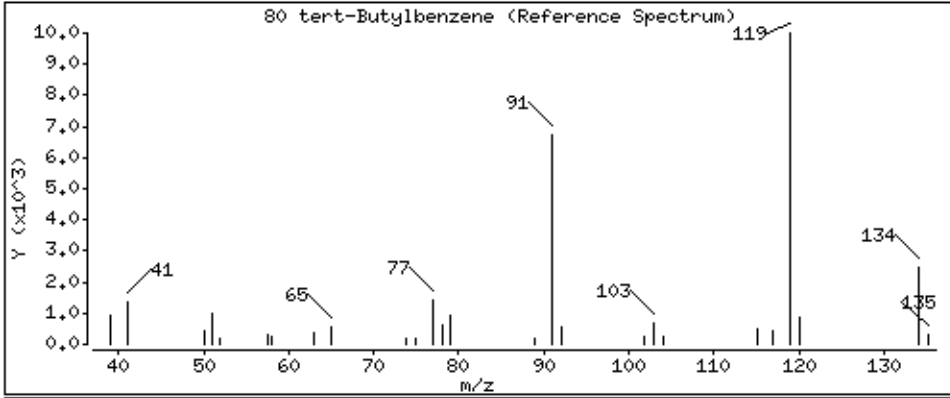
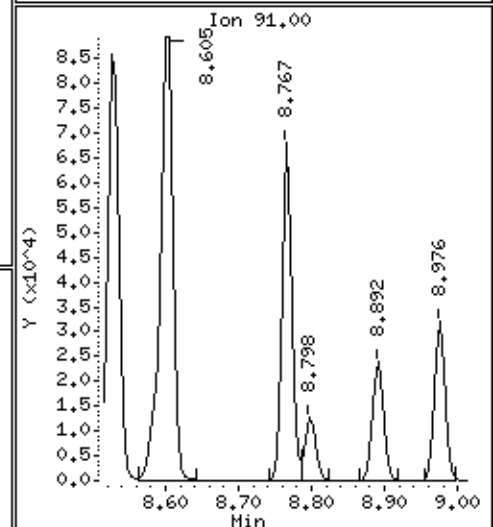
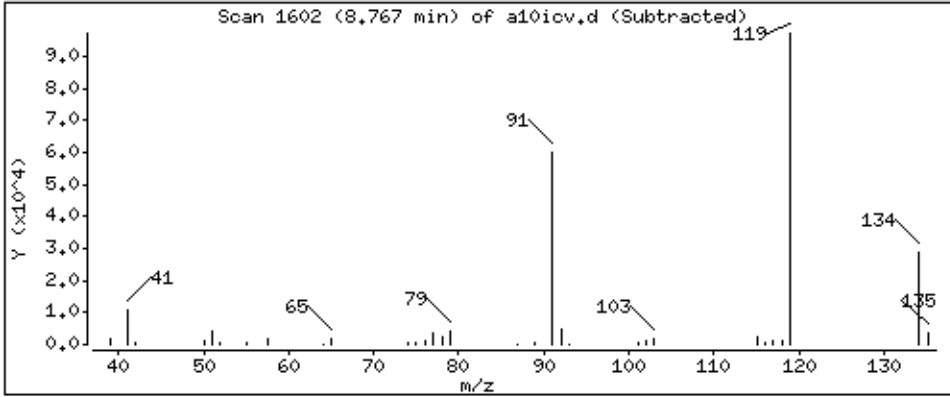
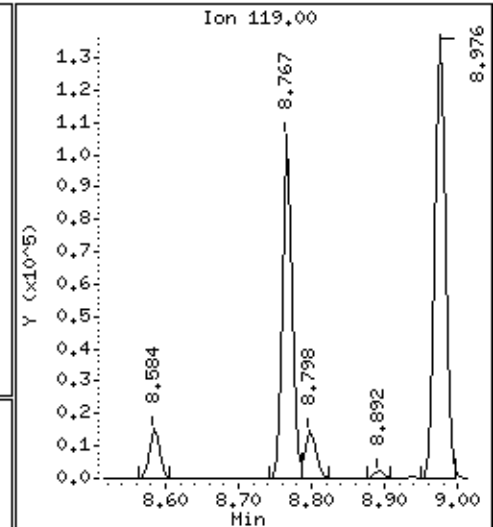
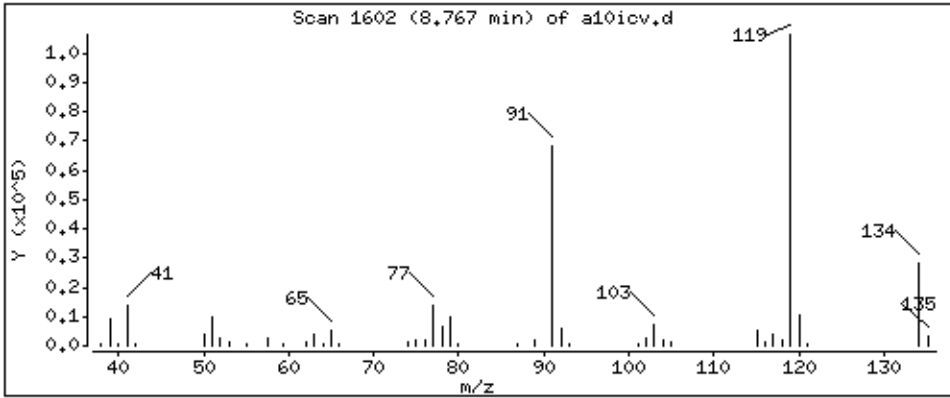
Column phase: DB-624

Column diameter: 0,18

80 tert-Butylbenzene

Concentration: 40,2 ppb

Review Code:



Date : 19-JUN-2014 19:38

Client ID: 8260-ICV,71105;0

Instrument: 50mw3a.i

Sample Info: 8260-ICV,71105;0

Purge Volume: 5.0

Operator: jlz

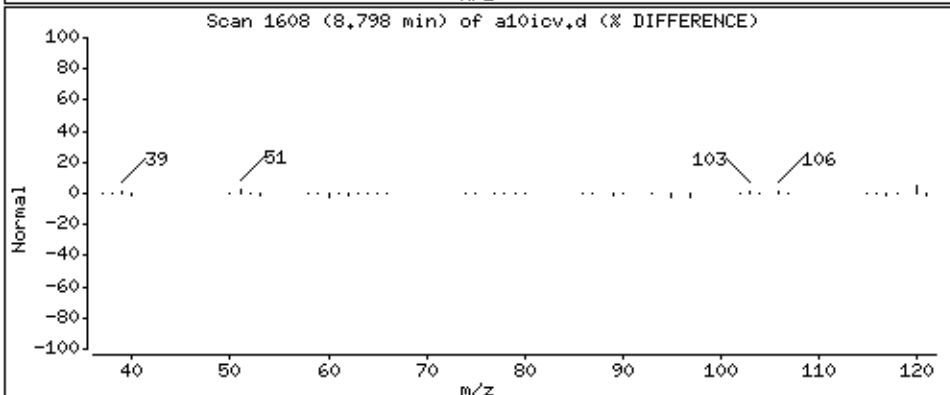
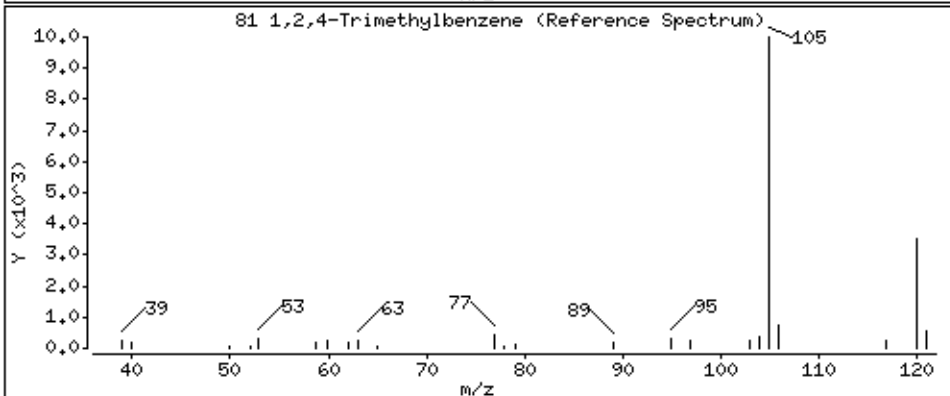
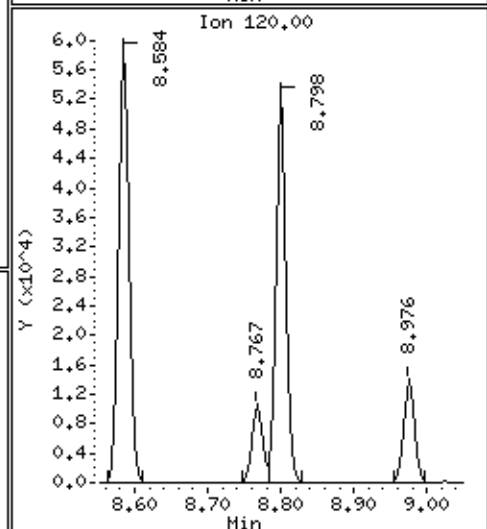
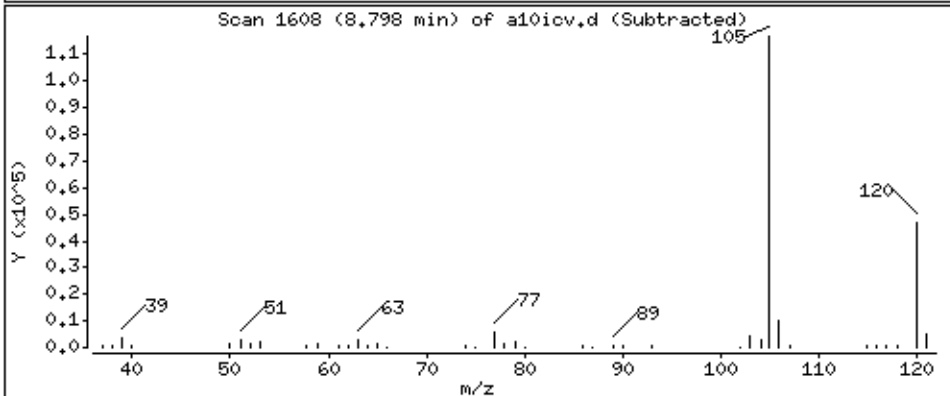
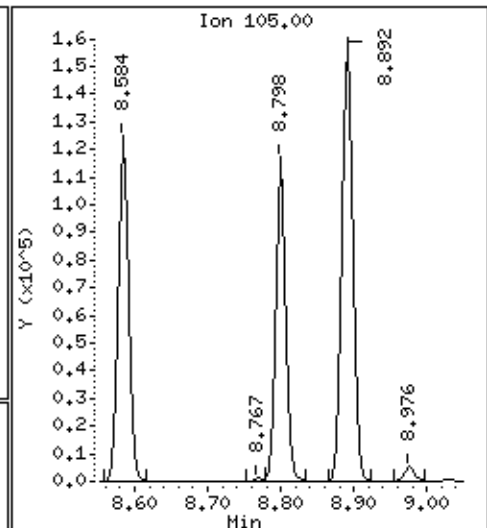
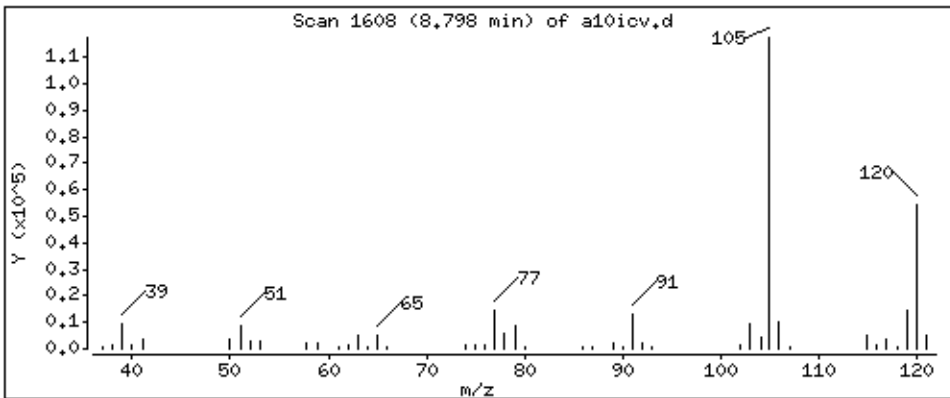
Column phase: DB-624

Column diameter: 0,18

81 1,2,4-Trimethylbenzene

Concentration: 48,5 ppb

Review Code:



Date : 19-JUN-2014 19:38

Client ID: 8260-ICV,71105;0

Instrument: 50mv3a.i

Sample Info: 8260-ICV,71105;0

Purge Volume: 5.0

Operator: jlz

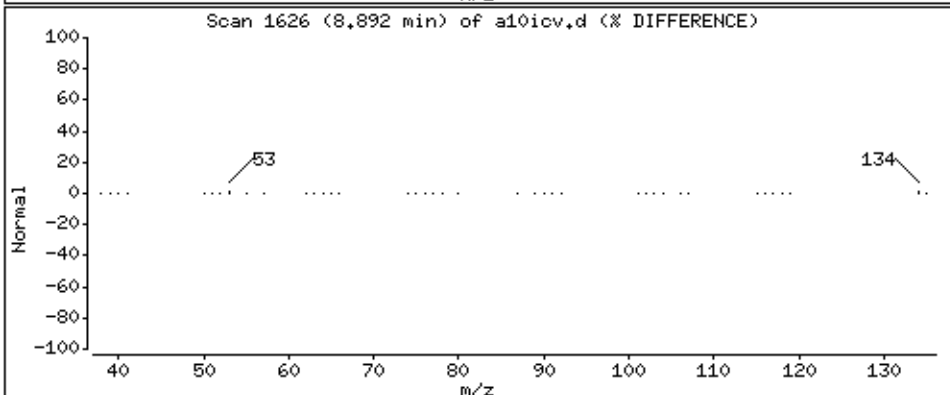
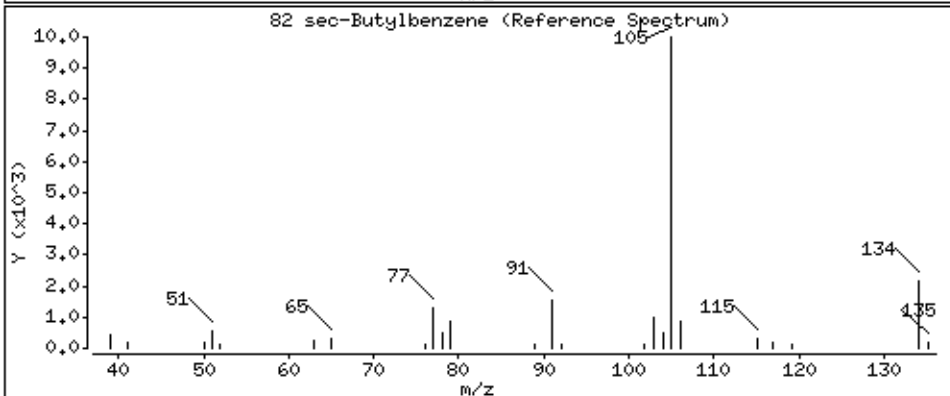
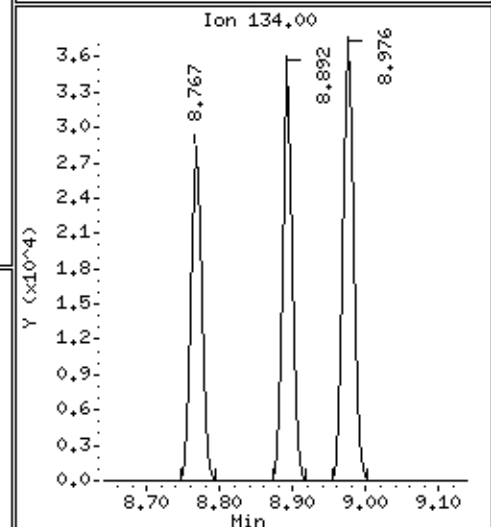
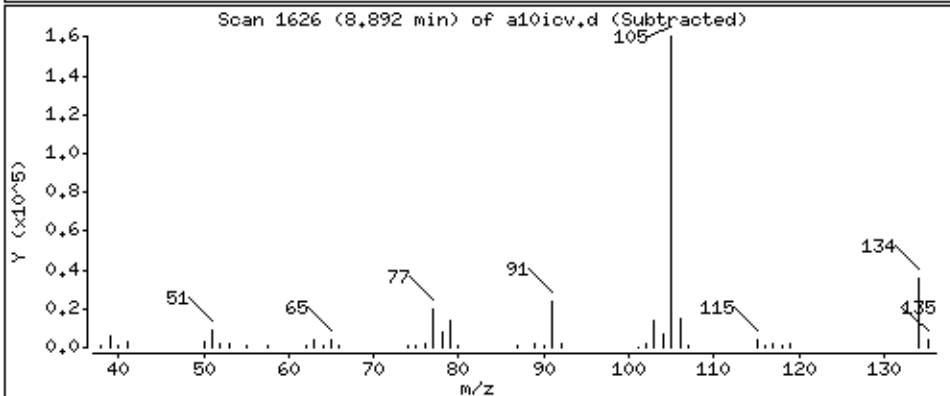
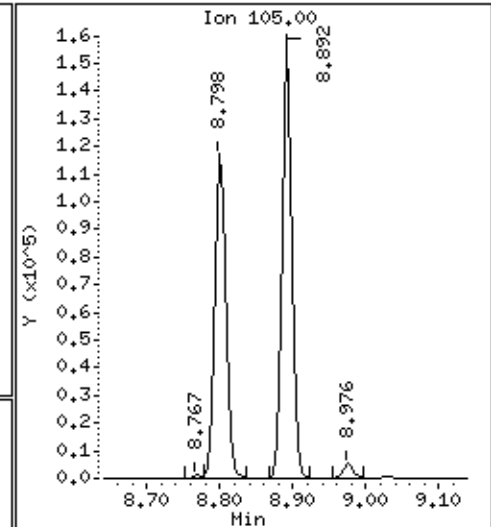
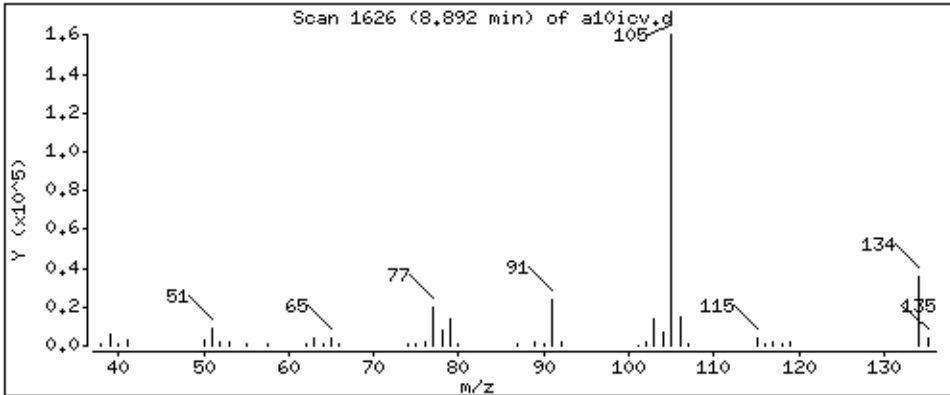
Column phase: DB-624

Column diameter: 0,18

82 sec-Butylbenzene

Concentration: 48,6 ppb

Review Code:



Date : 19-JUN-2014 19:38

Client ID: 8260-ICV,71105;0

Instrument: 50mv3a.i

Sample Info: 8260-ICV,71105;0

Purge Volume: 5.0

Operator: jlz

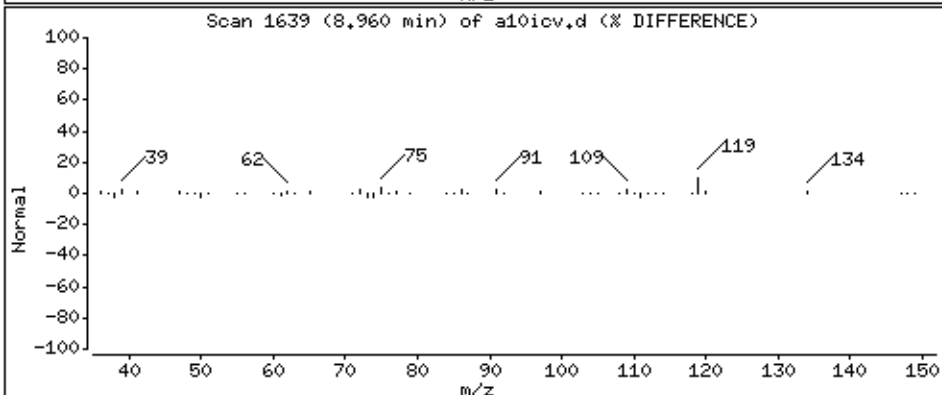
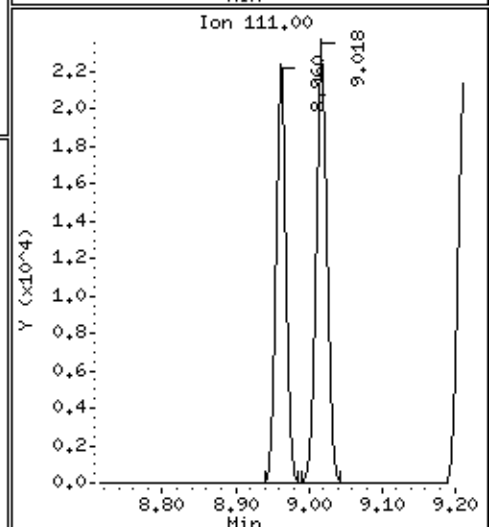
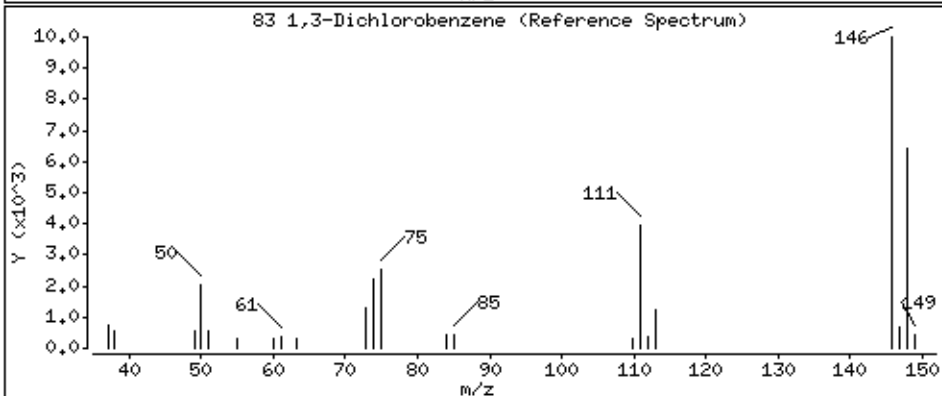
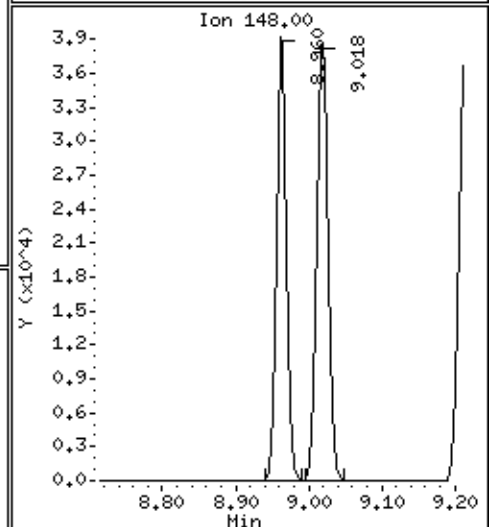
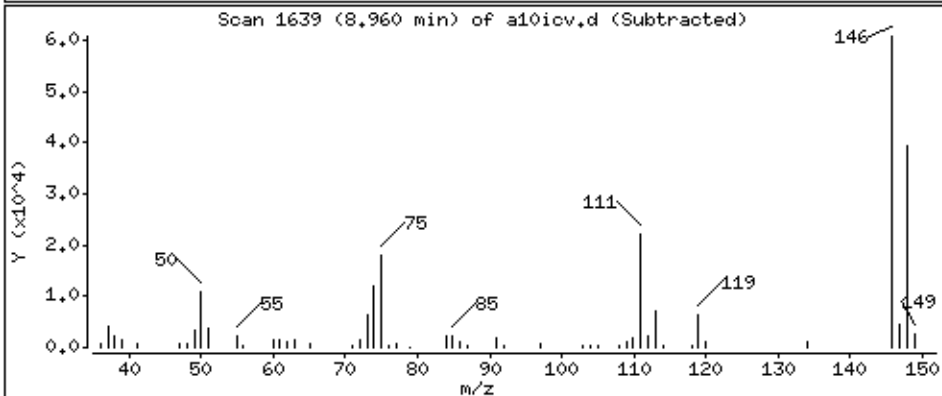
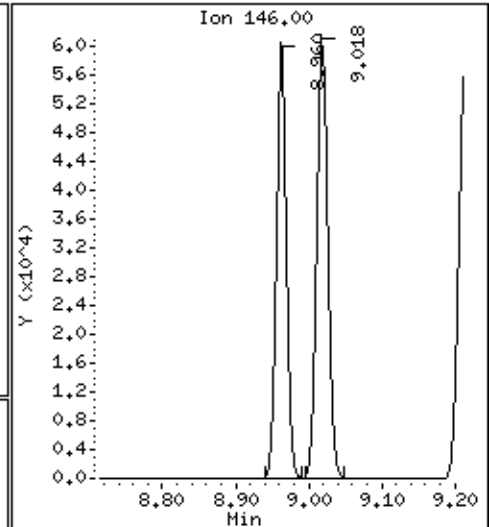
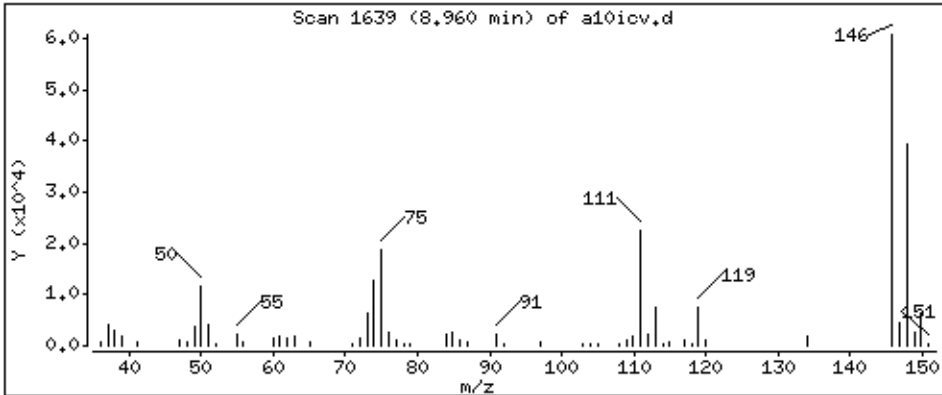
Column phase: DB-624

Column diameter: 0,18

83 1,3-Dichlorobenzene

Concentration: 46,9 ppb

Review Code:



Date : 19-JUN-2014 19:38

Client ID: 8260-ICV,71105:0

Instrument: 50mv3a.i

Sample Info: 8260-ICV,71105:0

Purge Volume: 5.0

Operator: jlz

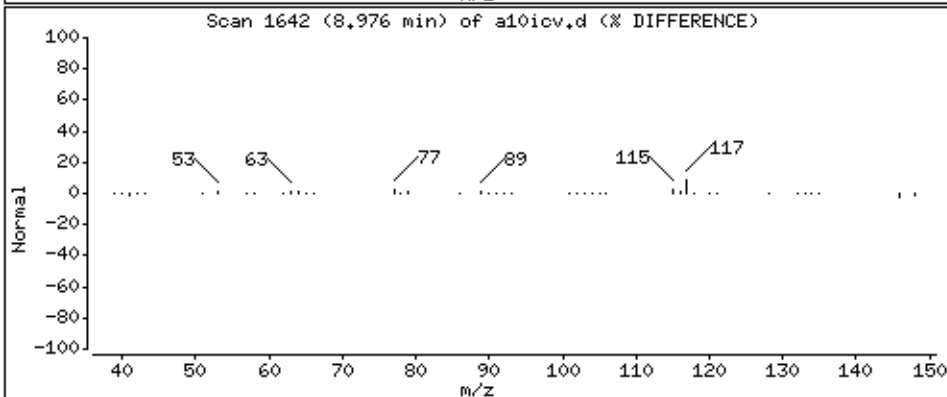
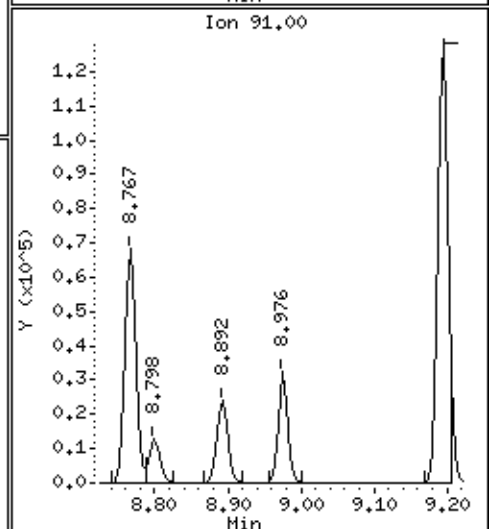
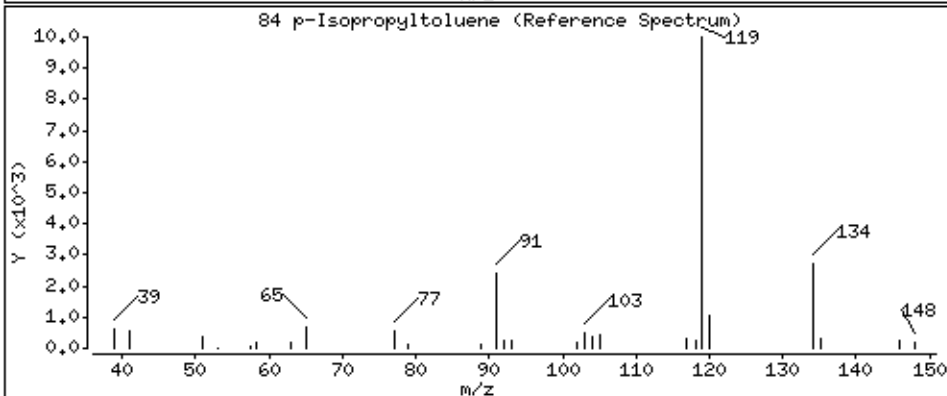
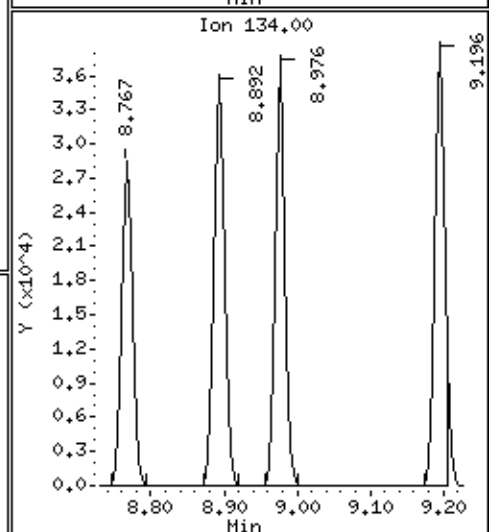
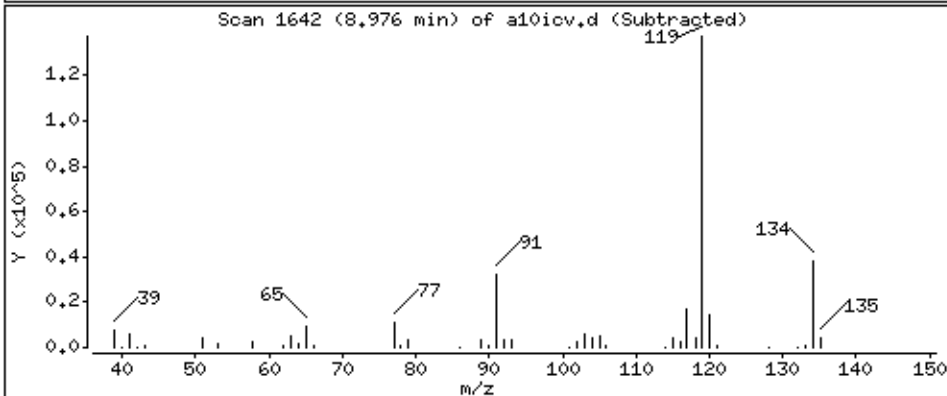
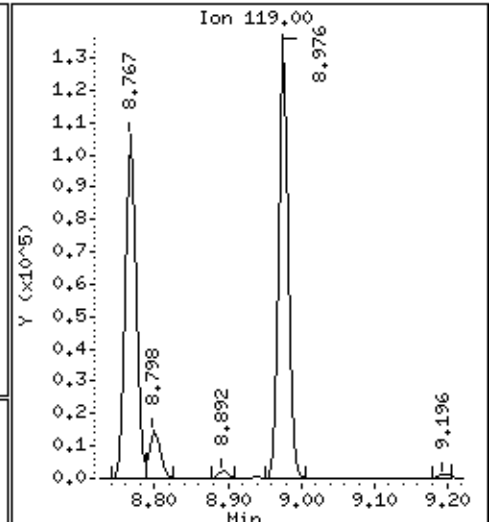
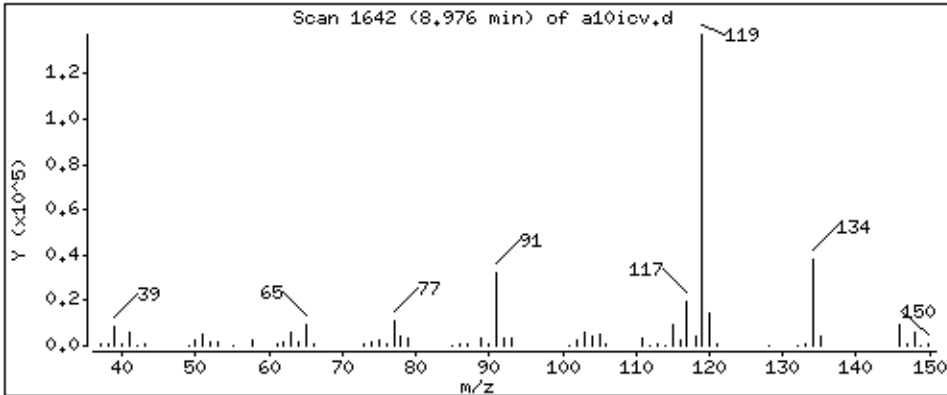
Column phase: DB-624

Column diameter: 0,18

84 p-Isopropyltoluene

Concentration: 46,9 ppb

Review Code:



Date : 19-JUN-2014 19:38

Client ID: 8260-ICV,71105;0

Instrument: 50mv3a.i

Sample Info: 8260-ICV,71105;0

Purge Volume: 5.0

Operator: jlz

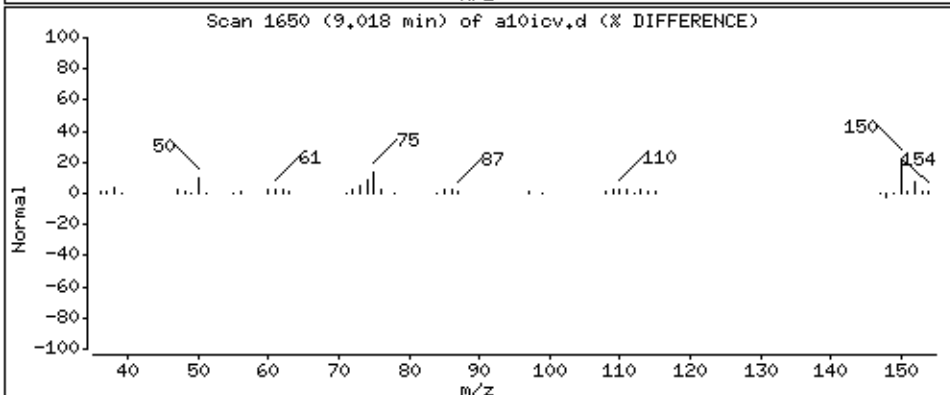
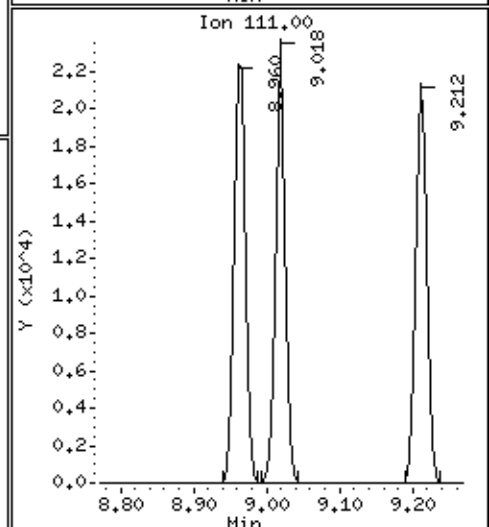
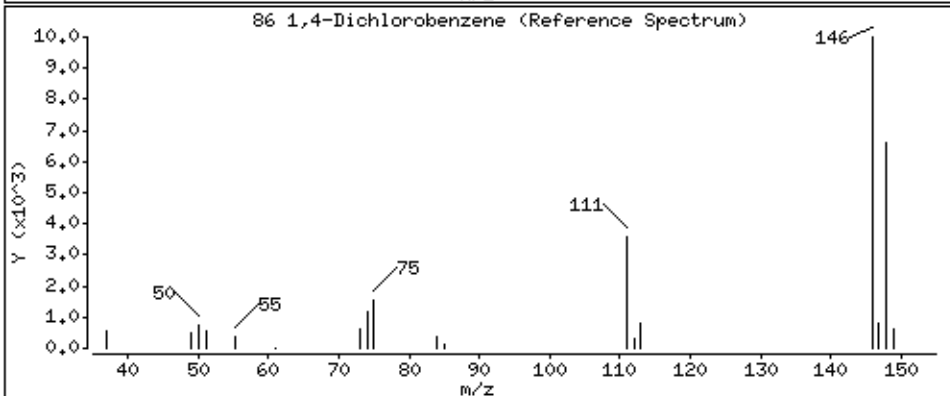
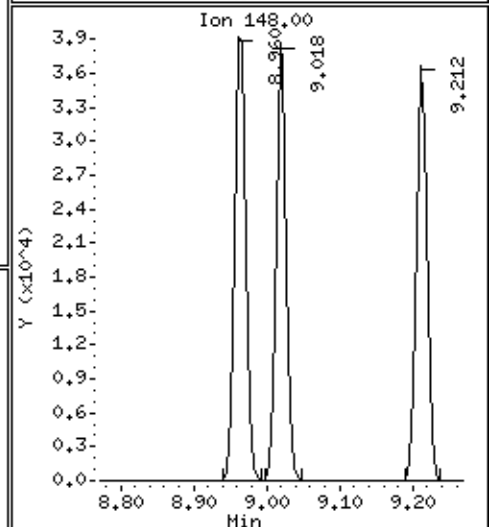
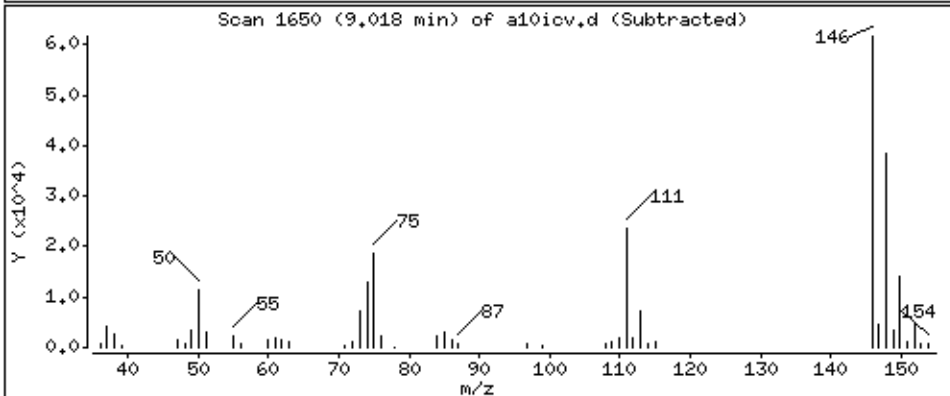
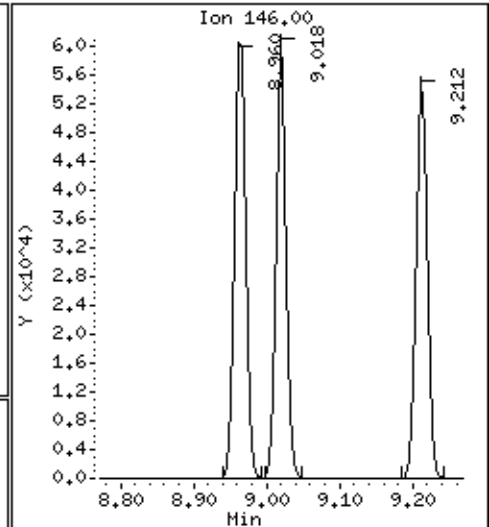
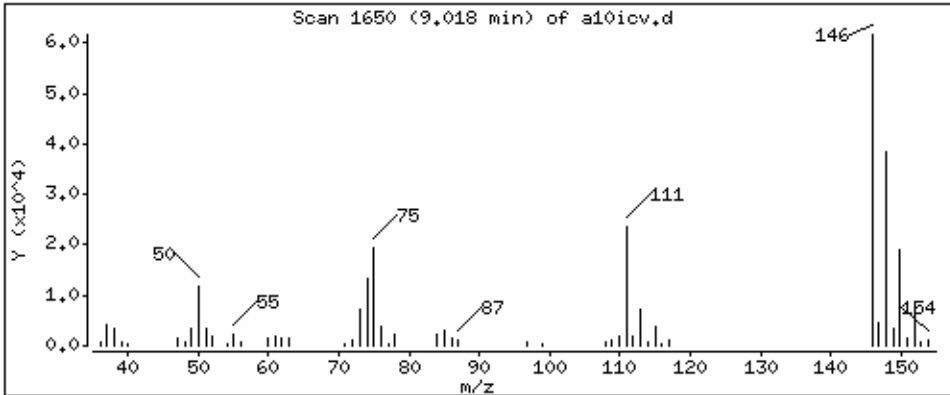
Column phase: DB-624

Column diameter: 0,18

86 1,4-Dichlorobenzene

Concentration: 46,6 ppb

Review Code:



Date : 19-JUN-2014 19:38

Client ID: 8260-ICV,71105;0

Instrument: 50mw3a.i

Sample Info: 8260-ICV,71105;0

Purge Volume: 5.0

Operator: jlz

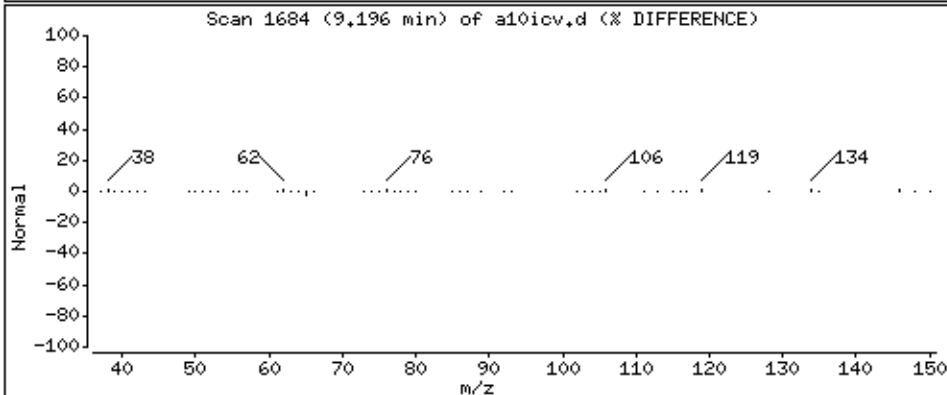
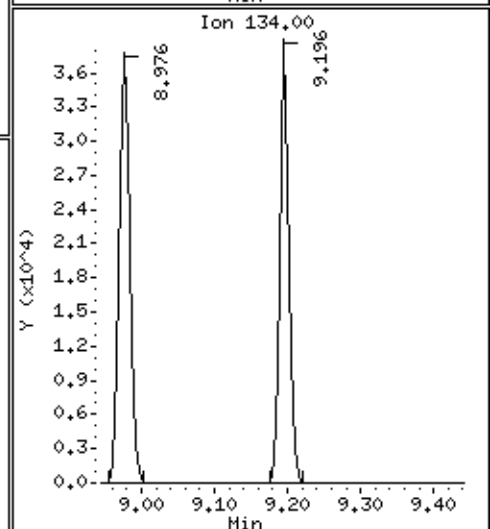
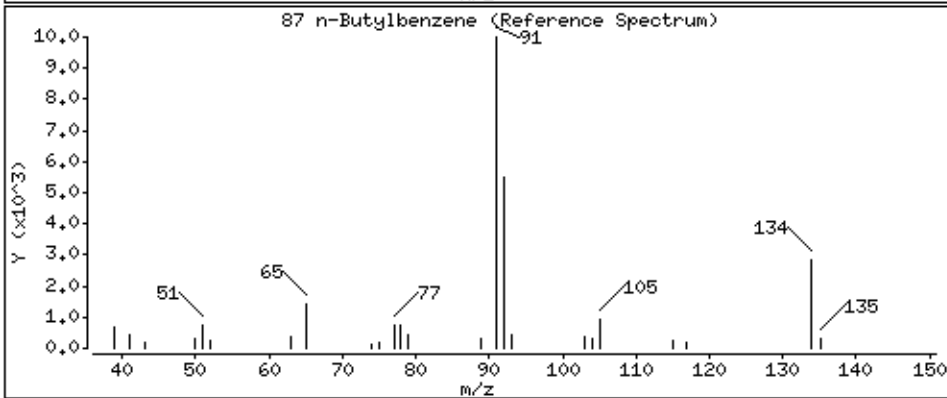
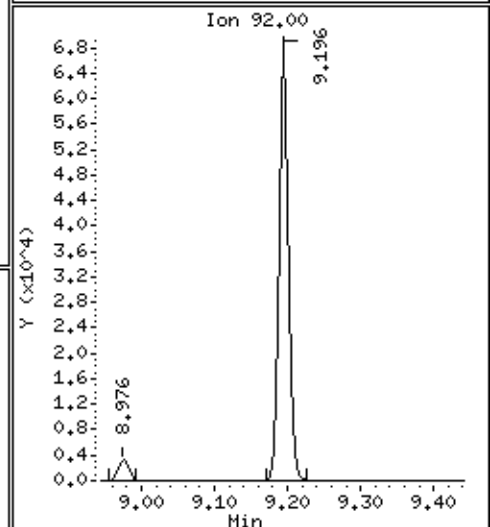
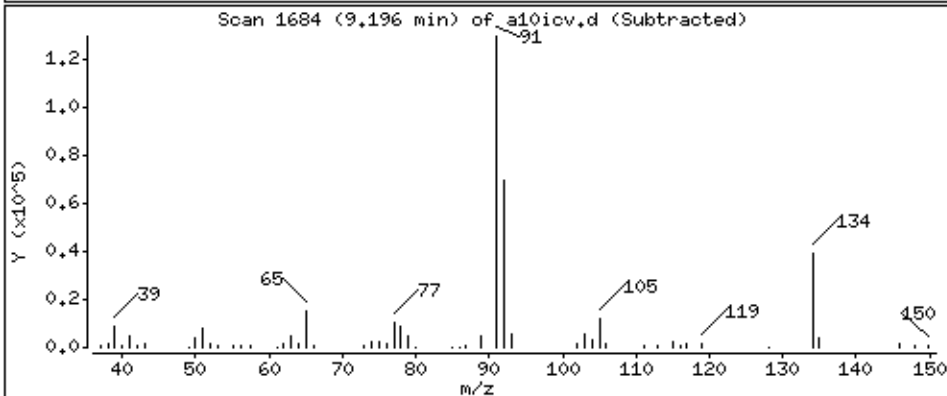
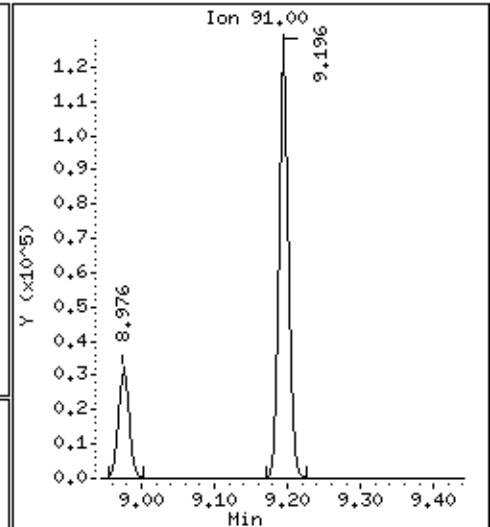
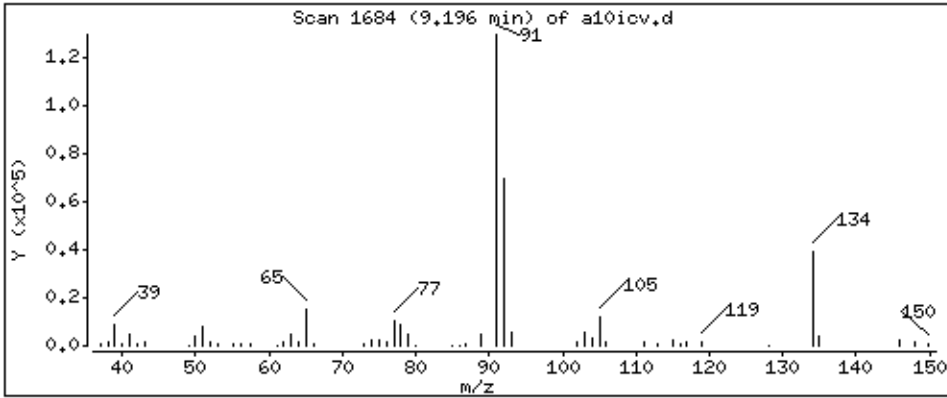
Column phase: DB-624

Column diameter: 0,18

87 n-Butylbenzene

Concentration: 48,6 ppb

Review Code:



Date : 19-JUN-2014 19:38

Client ID: 8260-ICV,71105;0

Instrument: 50mv3a.i

Sample Info: 8260-ICV,71105;0

Purge Volume: 5.0

Operator: jlz

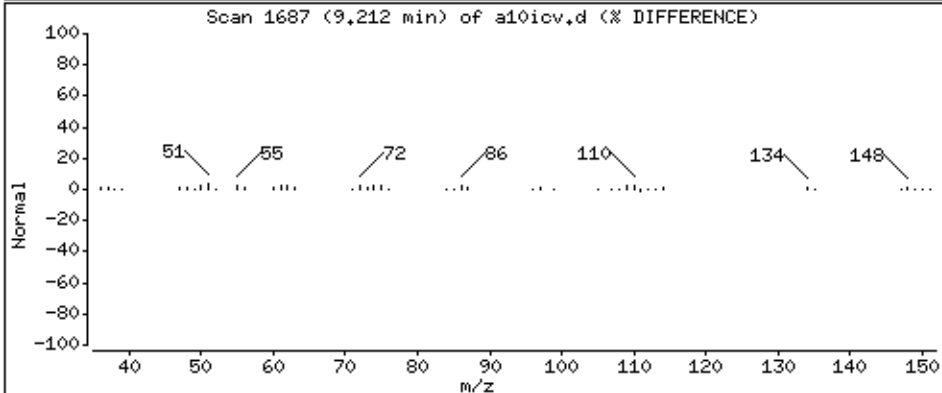
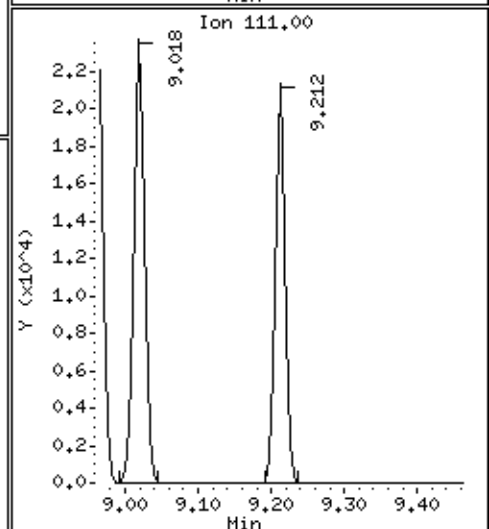
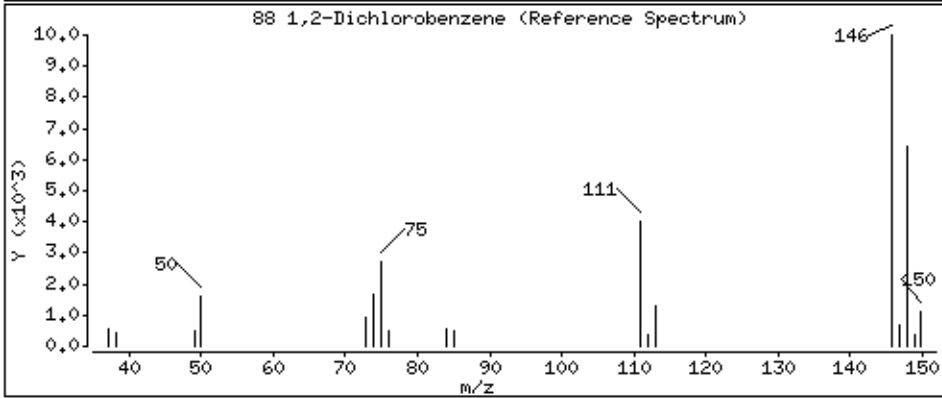
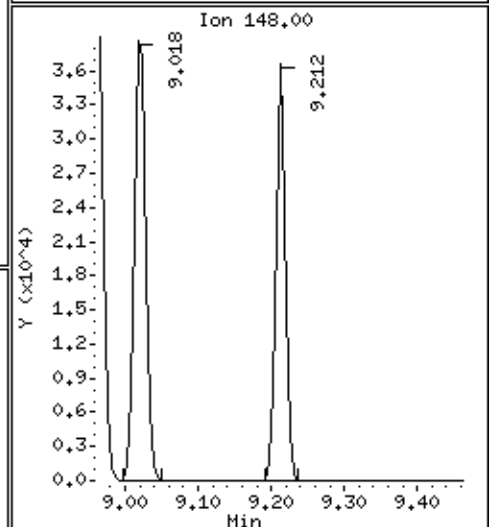
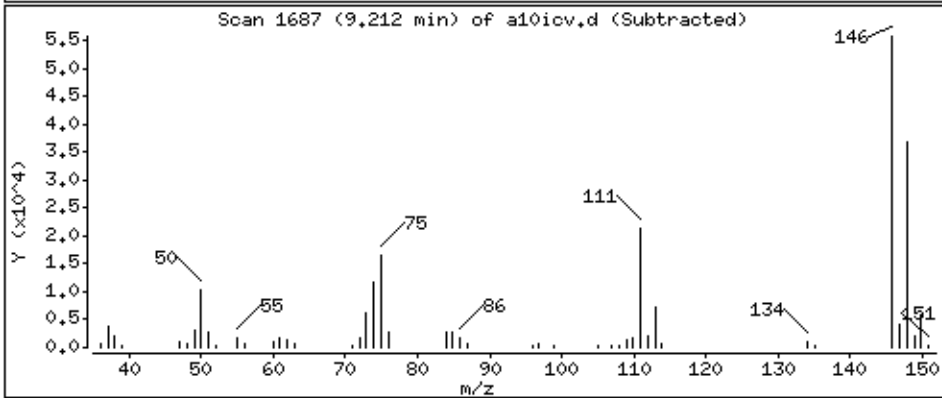
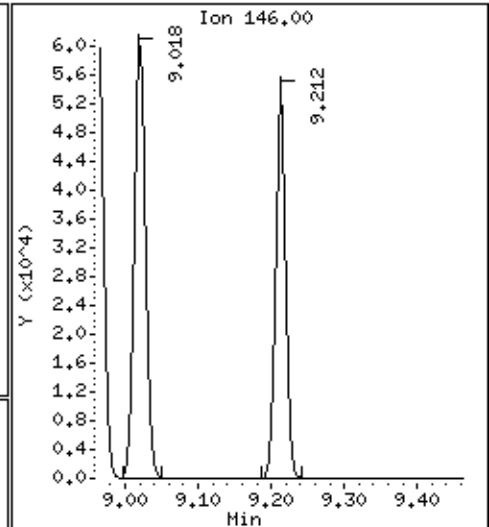
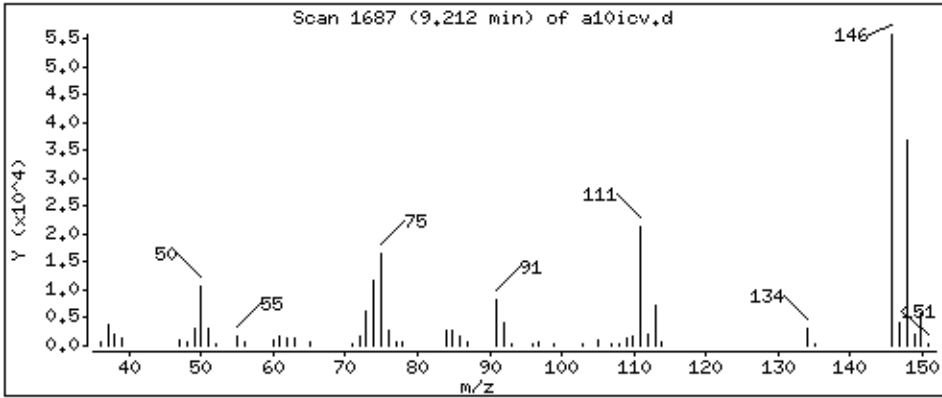
Column phase: DB-624

Column diameter: 0,18

88 1,2-Dichlorobenzene

Concentration: 47,7 ppb

Review Code:



Date : 19-JUN-2014 19:38

Client ID: 8260-ICV,71105;0

Instrument: 50mw3a.i

Sample Info: 8260-ICV,71105;0

Purge Volume: 5.0

Operator: jlz

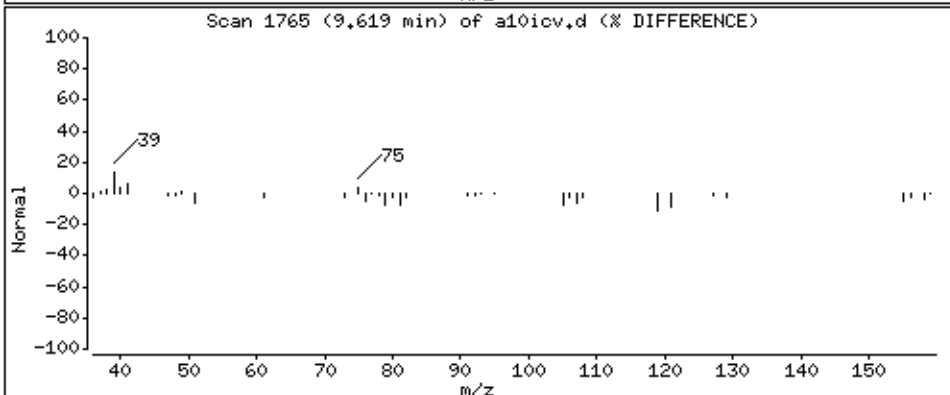
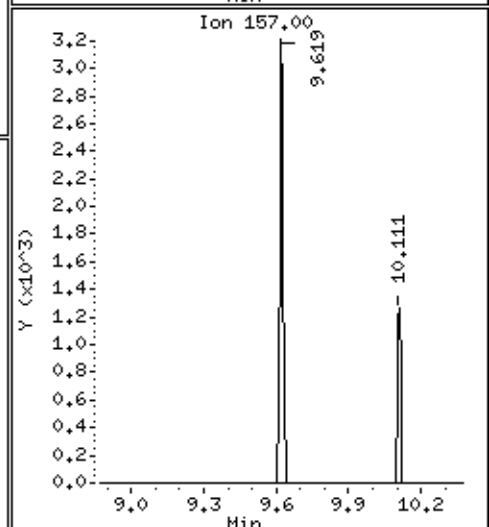
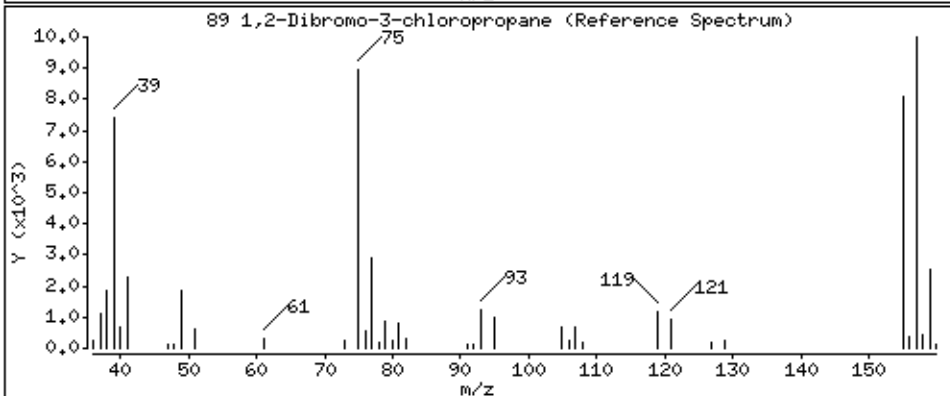
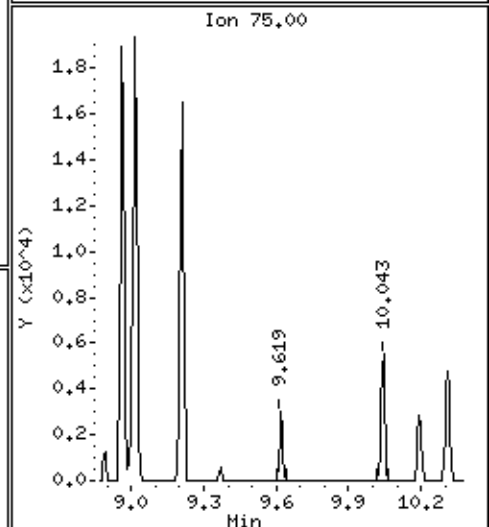
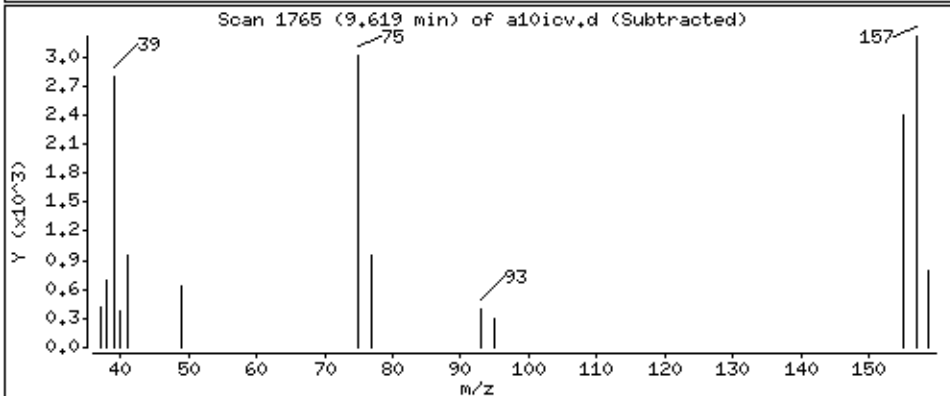
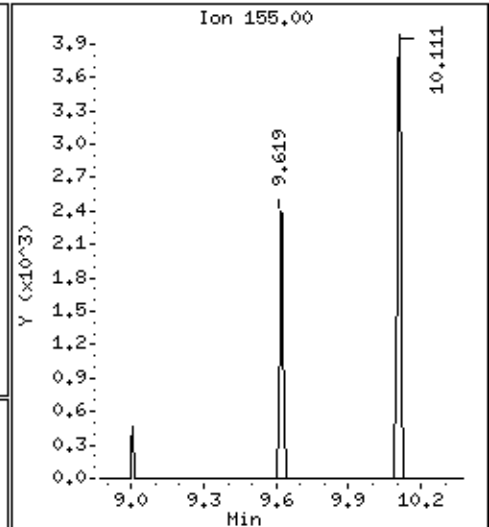
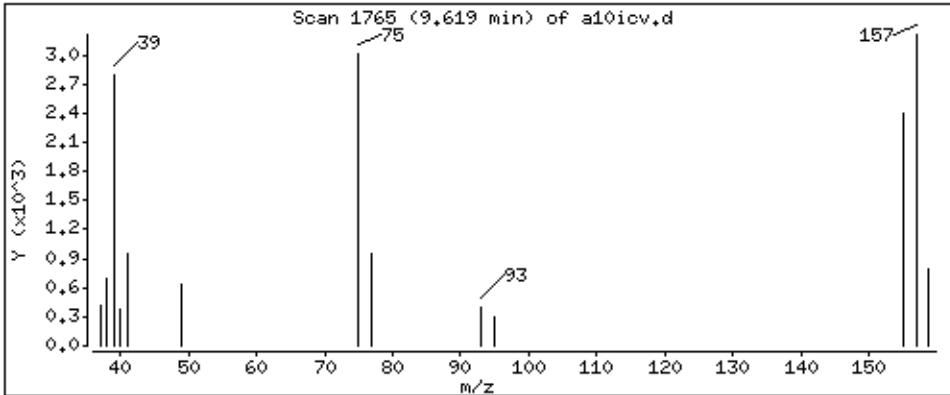
Column phase: DB-624

Column diameter: 0,18

89 1,2-Dibromo-3-chloropropane

Concentration: 32,0 ppb

Review Code:



Date : 19-JUN-2014 19:38

Client ID: 8260-ICV,71105;0

Instrument: 50mv3a.i

Sample Info: 8260-ICV,71105;0

Purge Volume: 5.0

Operator: jlz

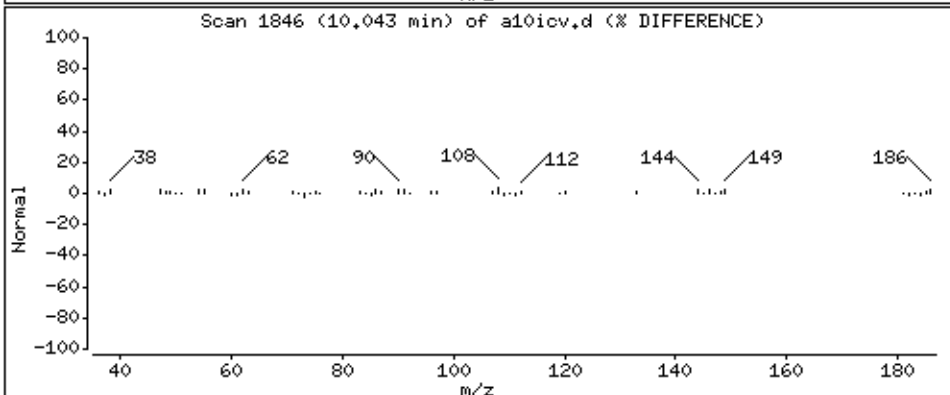
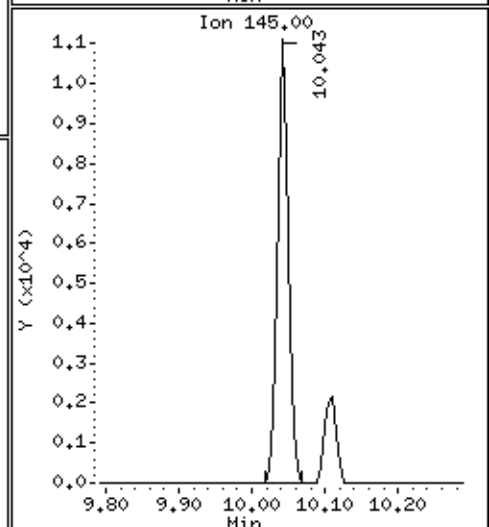
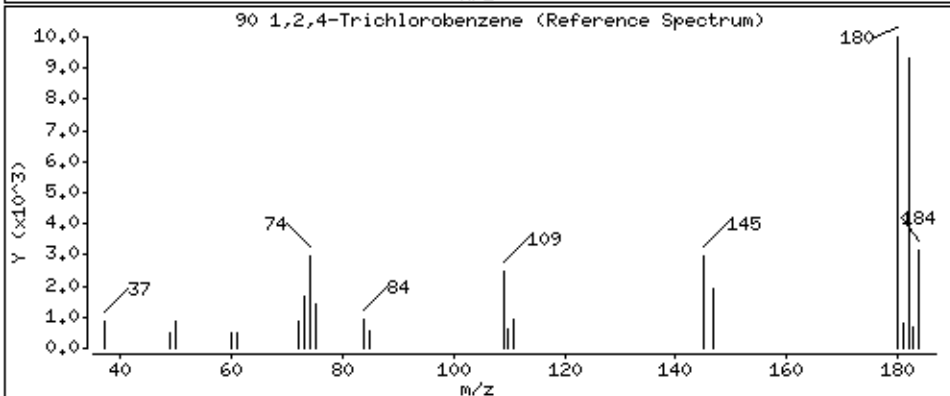
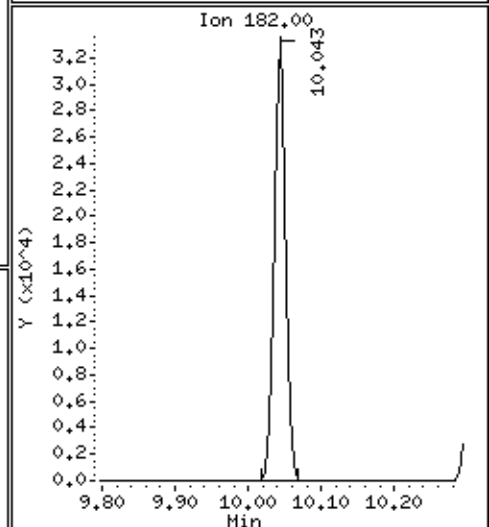
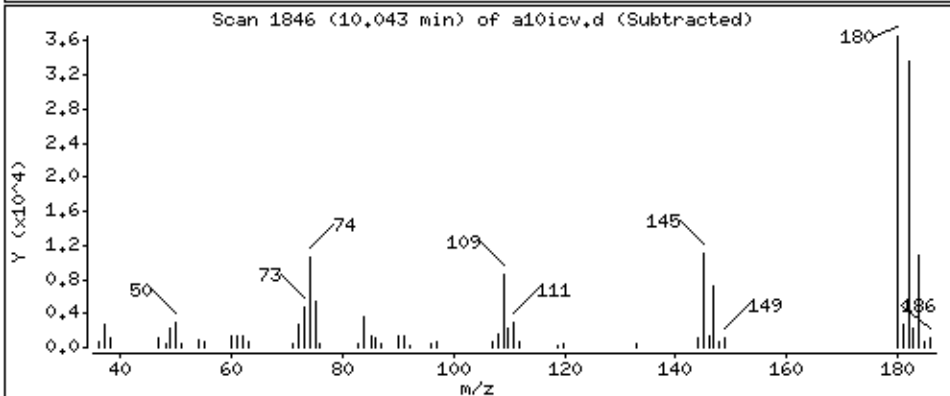
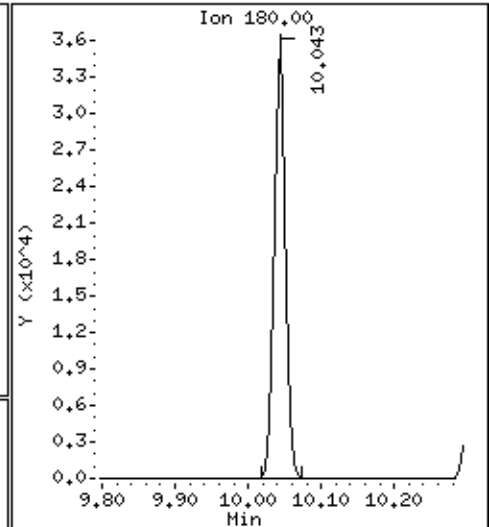
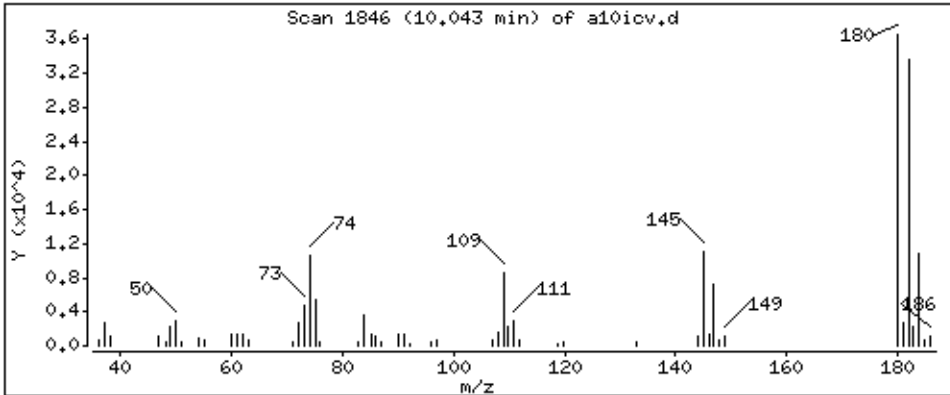
Column phase: DB-624

Column diameter: 0,18

90 1,2,4-Trichlorobenzene

Concentration: 48,4 ppb

Review Code:



Date : 19-JUN-2014 19:38

Client ID: 8260-ICV,71105;0

Instrument: 50mw3a.i

Sample Info: 8260-ICV,71105;0

Purge Volume: 5.0

Operator: jlz

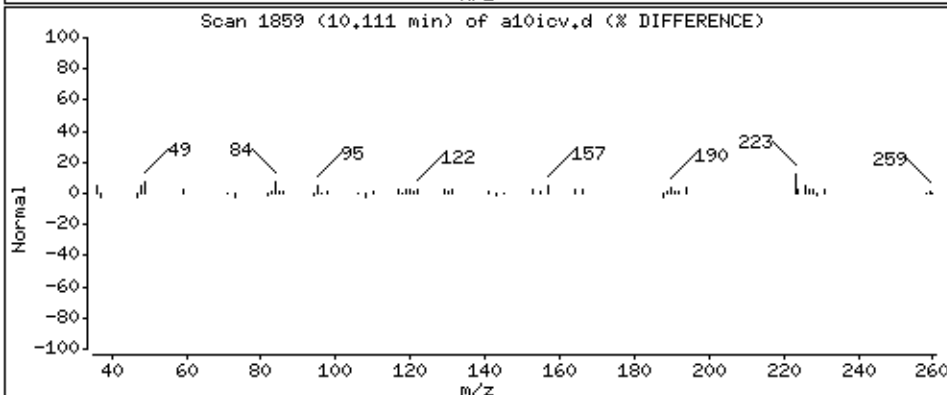
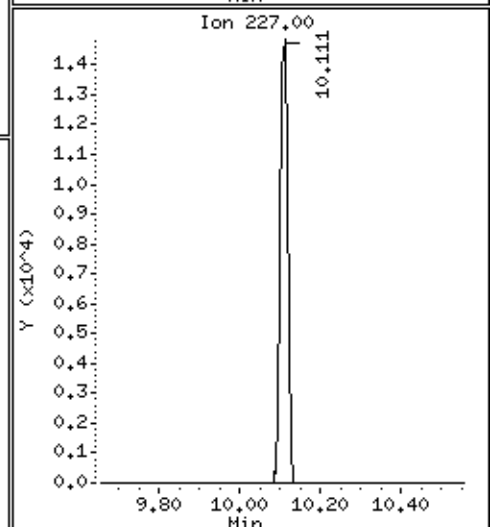
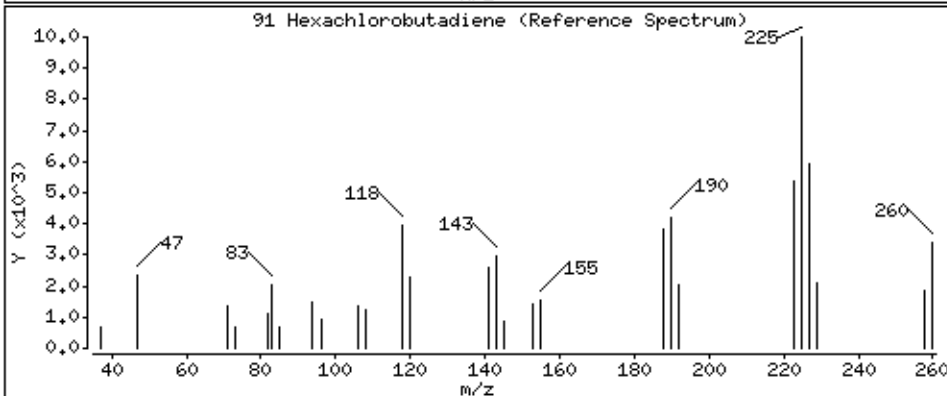
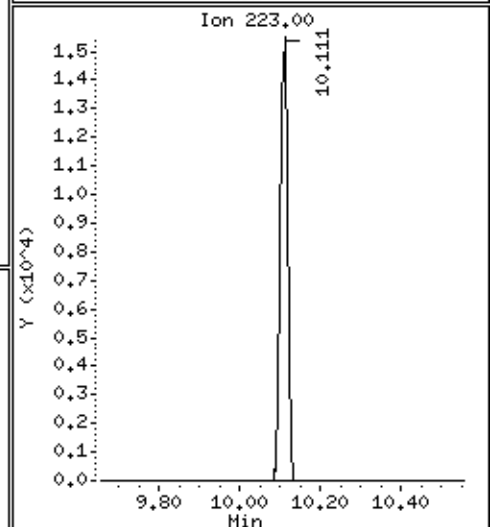
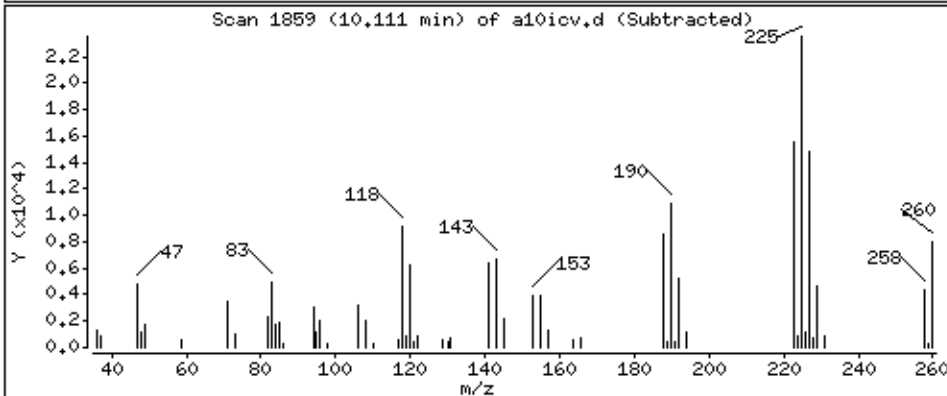
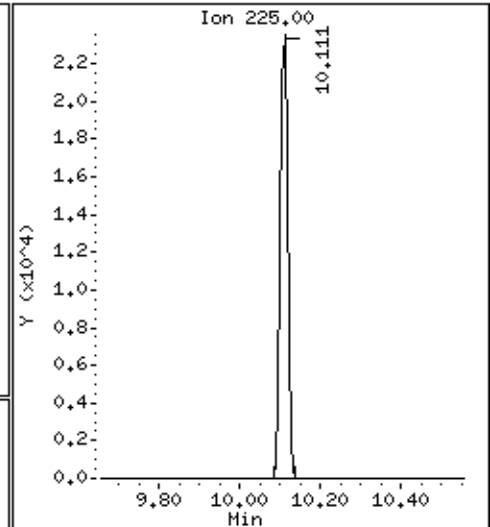
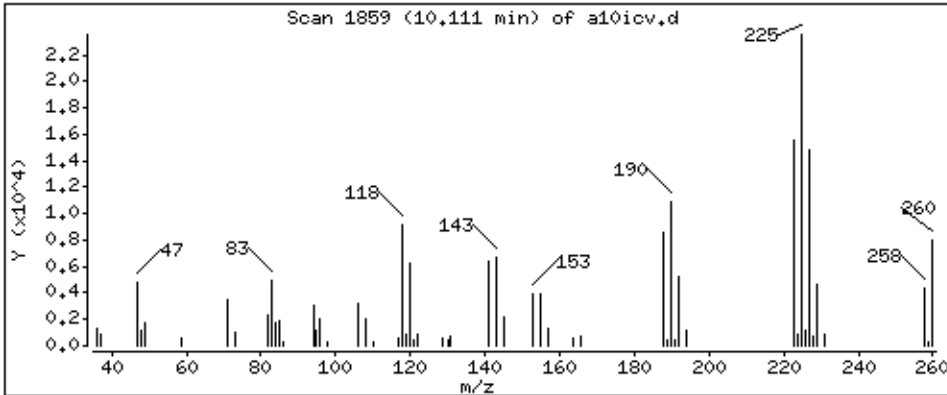
Column phase: DB-624

Column diameter: 0,18

91 Hexachlorobutadiene

Concentration: 49,0 ppb

Review Code:



Date : 19-JUN-2014 19:38

Client ID: 8260-ICV,71105;0

Instrument: 50mw3a.i

Sample Info: 8260-ICV,71105;0

Purge Volume: 5.0

Operator: jlz

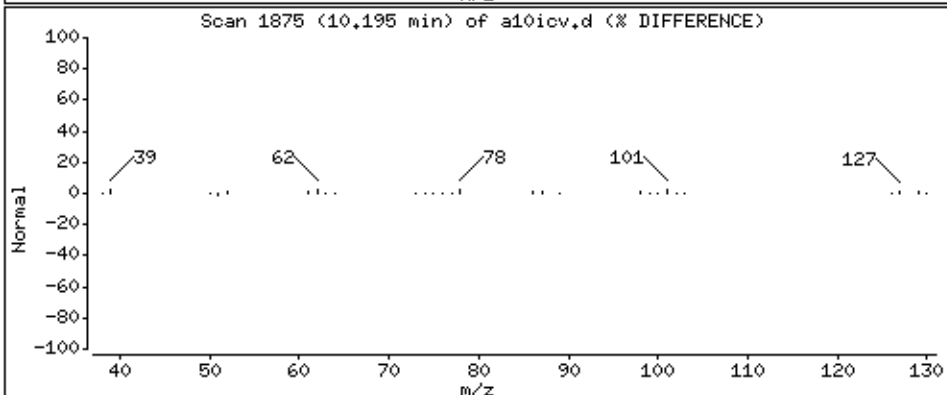
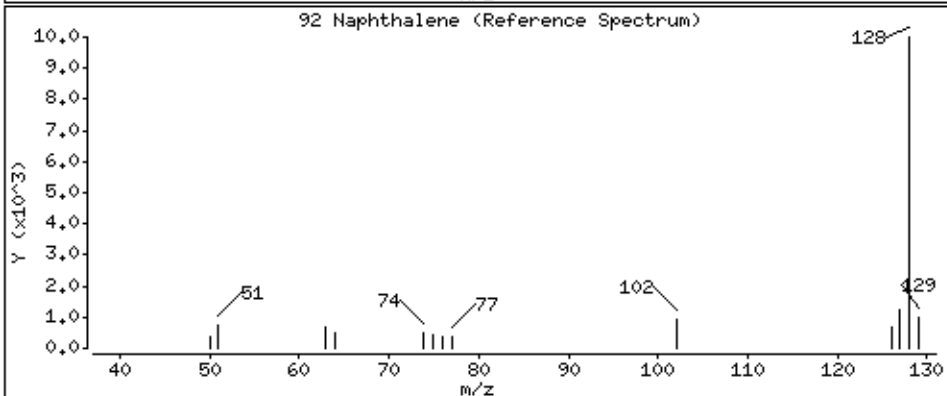
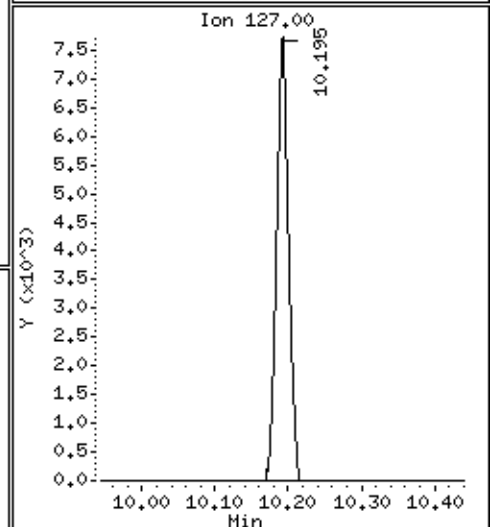
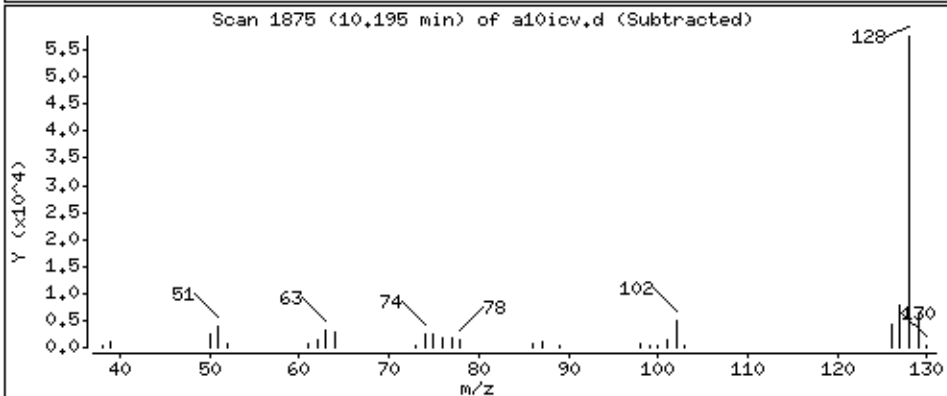
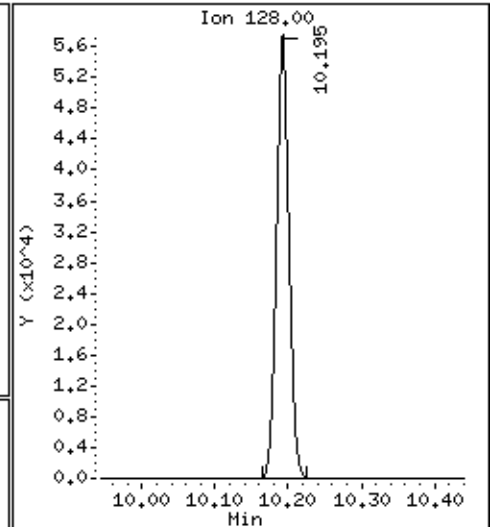
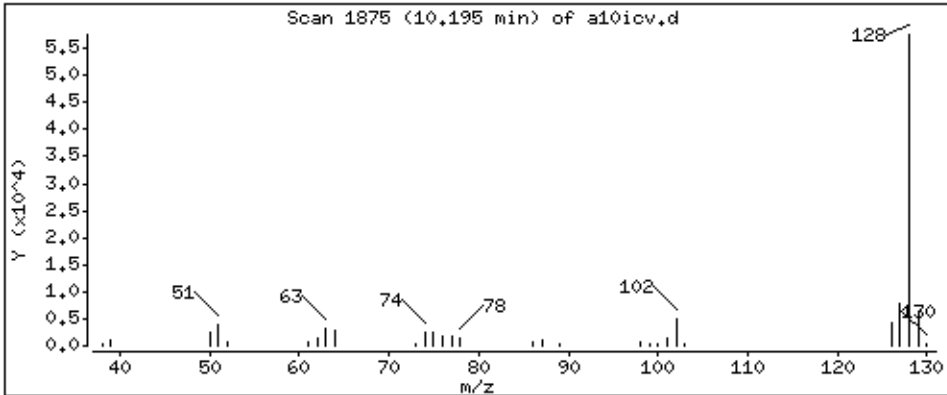
Column phase: DB-624

Column diameter: 0,18

92 Naphthalene

Concentration: 49,8 ppb

Review Code:



Date : 19-JUN-2014 19:38

Client ID: 8260-ICV,71105;0

Instrument: 50mv3a.i

Sample Info: 8260-ICV,71105;0

Purge Volume: 5.0

Operator: jlz

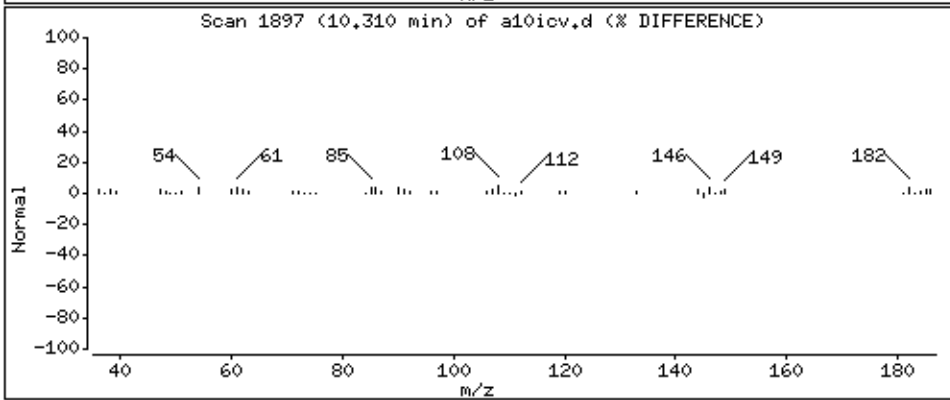
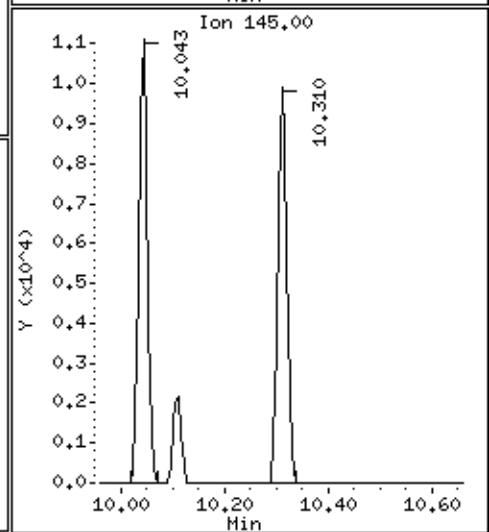
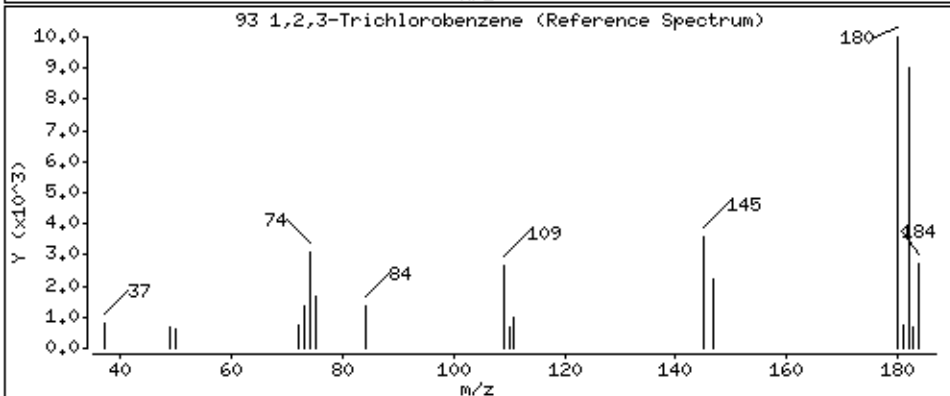
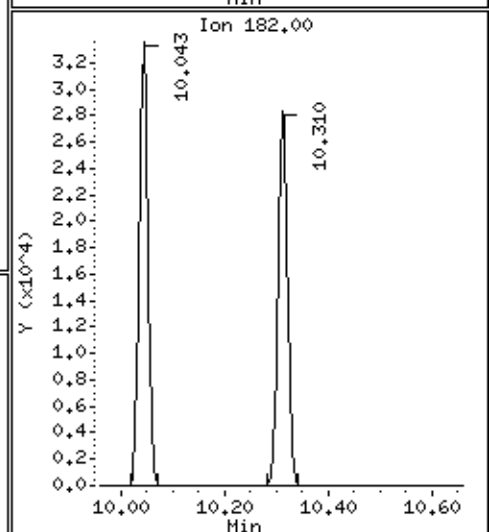
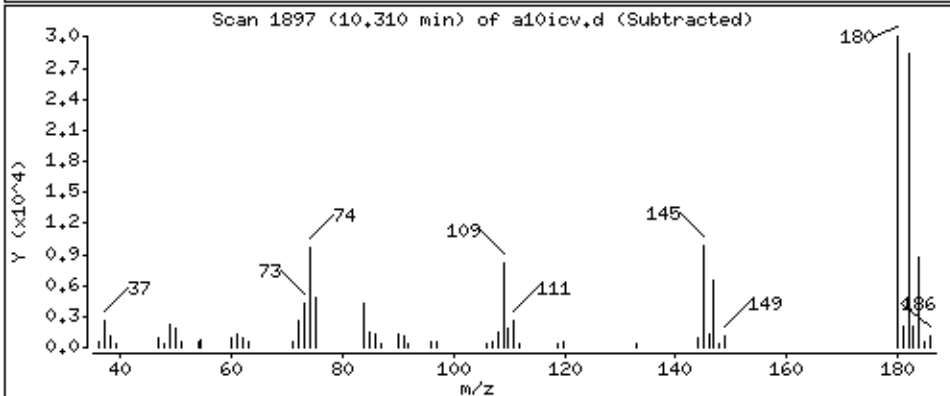
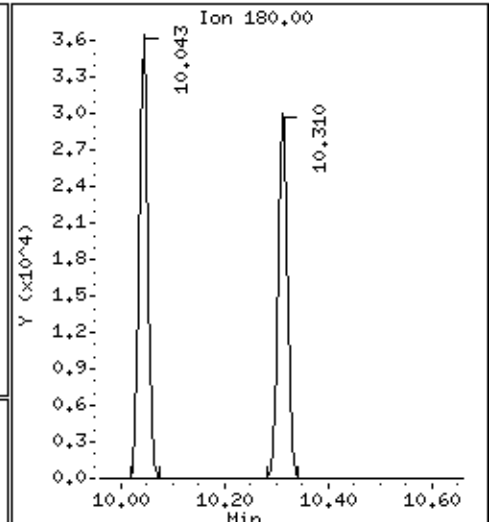
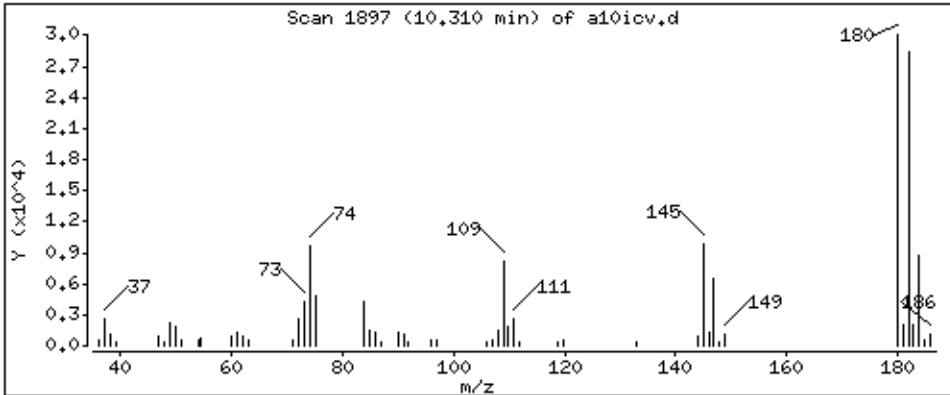
Column phase: DB-624

Column diameter: 0,18

93 1,2,3-Trichlorobenzene

Concentration: 48,7 ppb

Review Code:



Date : 19-JUN-2014 19:38

Client ID: 8260-ICV,71105;0

Instrument: 50mw3a.i

Sample Info: 8260-ICV,71105;0

Purge Volume: 5.0

Operator: jlz

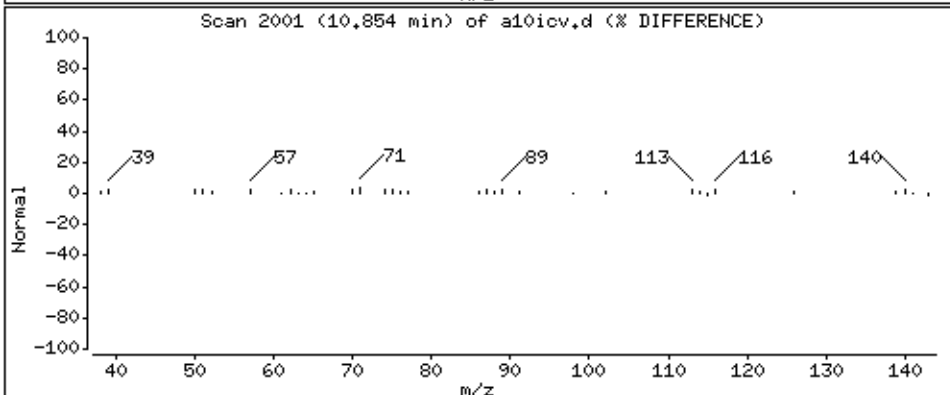
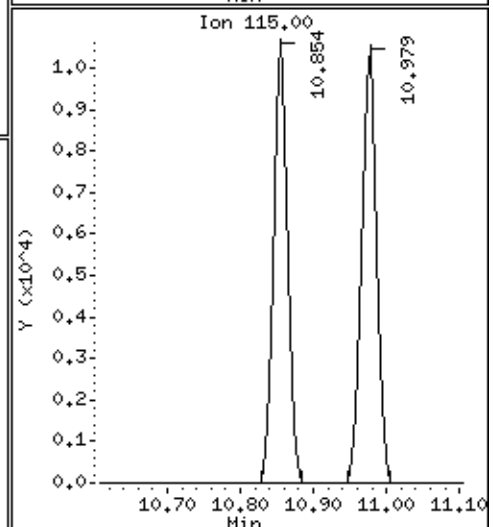
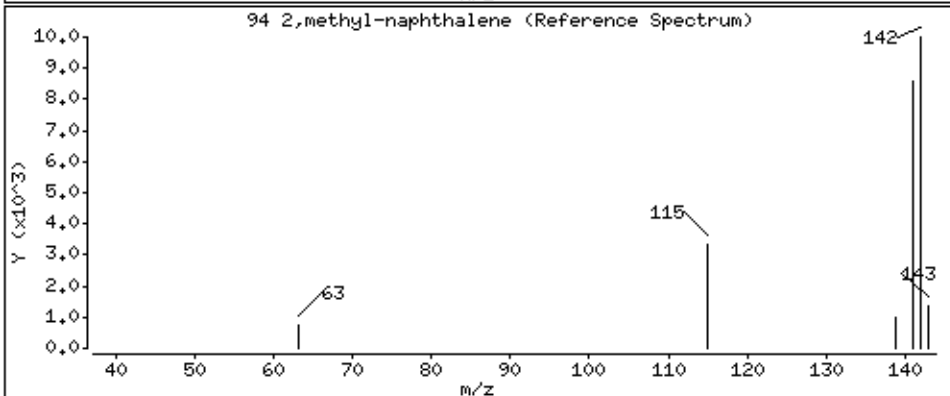
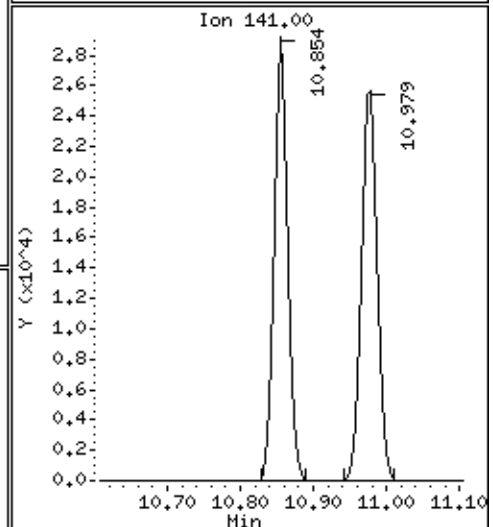
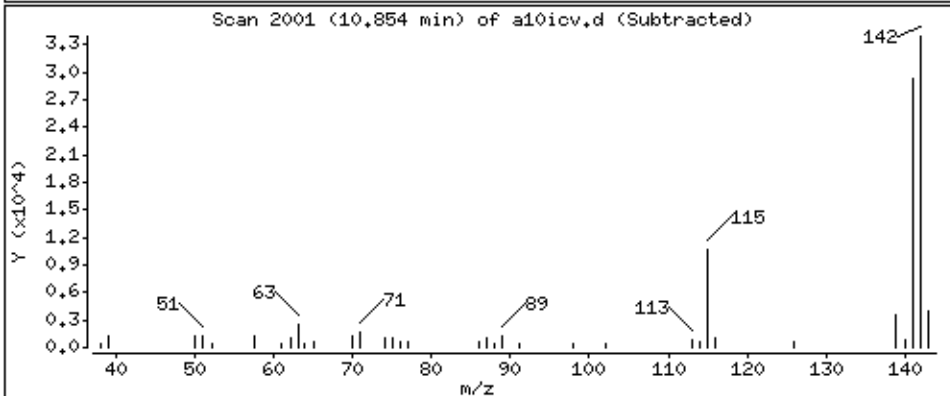
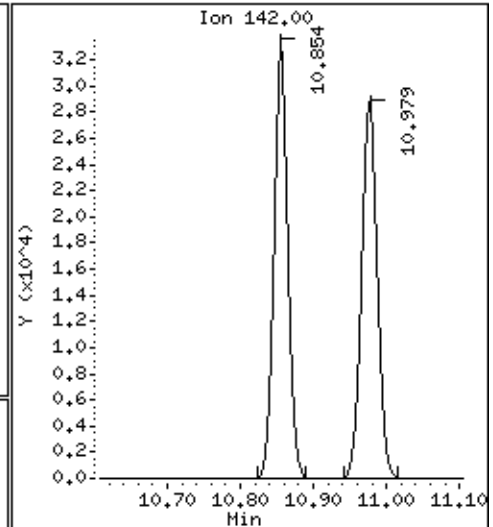
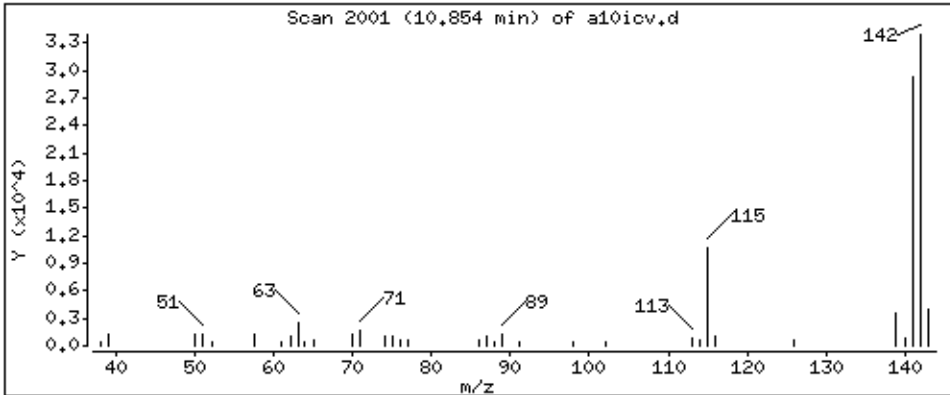
Column phase: DB-624

Column diameter: 0,18

94 2,methyl-naphthalene

Concentration: 50,2 ppb

Review Code:



Date : 19-JUN-2014 19:38

Client ID: 8260-ICV,71105;0

Instrument: 50mw3a.i

Sample Info: 8260-ICV,71105;0

Purge Volume: 5.0

Operator: jlz

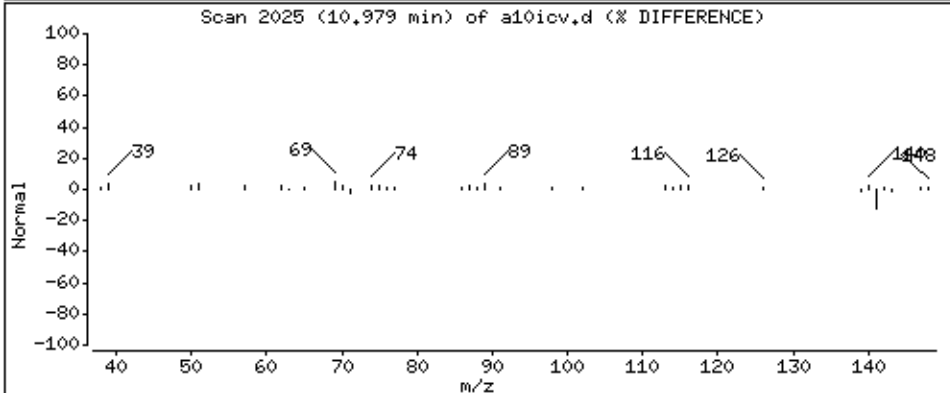
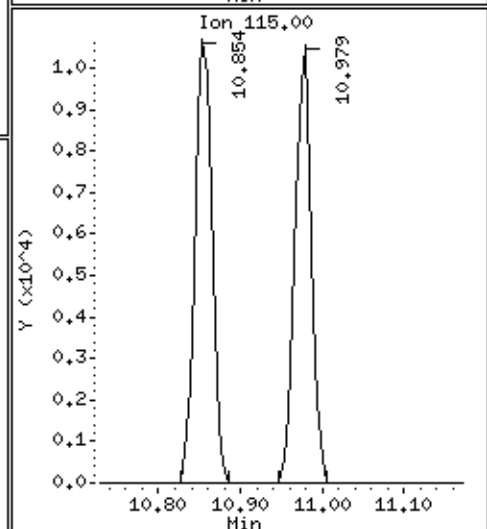
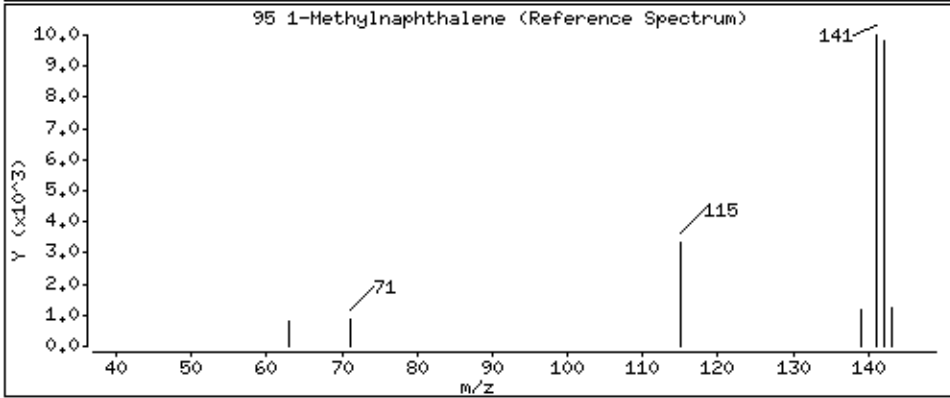
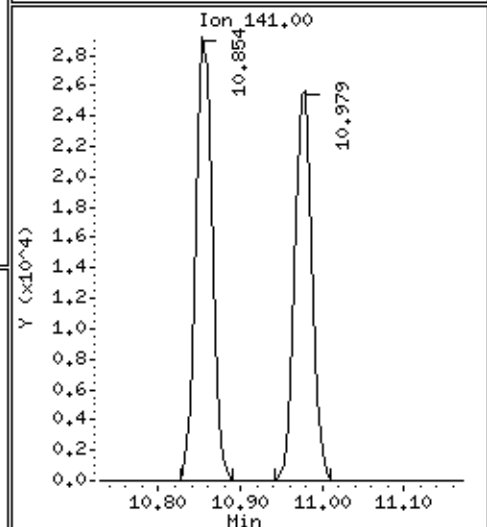
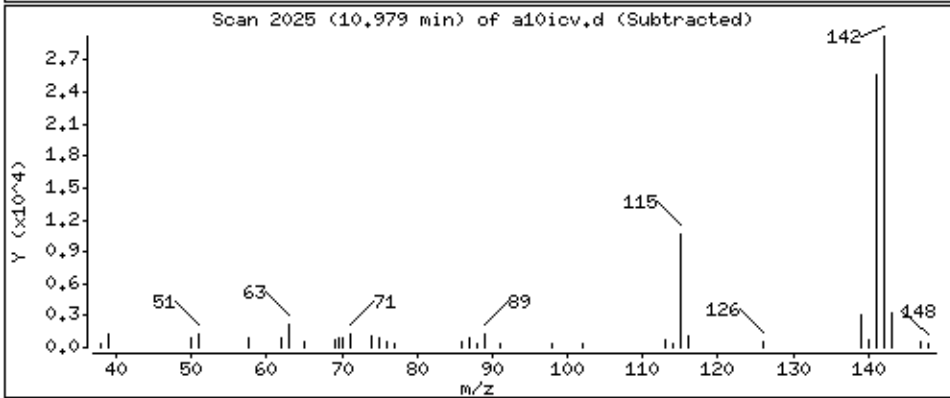
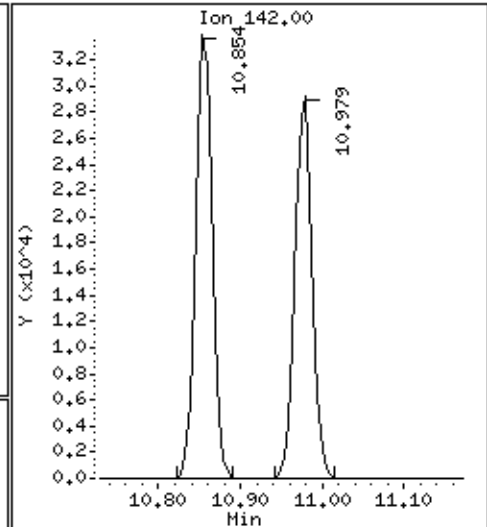
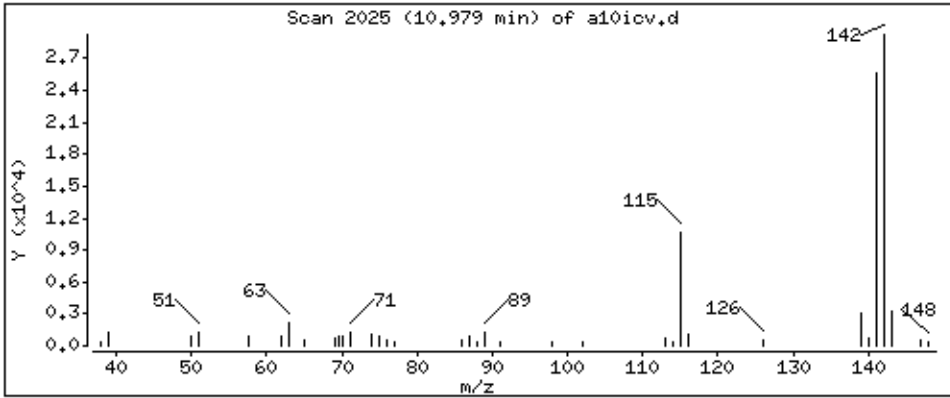
Column phase: DB-624

Column diameter: 0,18

95 1-Methylnaphthalene

Concentration: 52.2 ppb

Review Code:



Data File: \\192.168.50.6\chem\50mv3a.i\a061914cal.b/a10icv.d
Injection Date: 19-JUN-2014 19:38
Instrument: 50mv3a.i
Lab Sample ID: 8260-ICV,71105:0
NO SIGNAL MANUAL INTEGRATIONS DONE FOR THIS DATA FILE

Pace Analytical Services, Inc.

Data file : \\192.168.50.6\chem\50mv3a.i\a070214.b\a01ccv.d
 Lab Smp Id: 8260-CCV,71692:0 Client Smp ID: 8260-CCV,71692:0
 Inj Date : 02-JUL-2014 10:03
 Operator : jlz Inst ID: 50mv3a.i
 Smp Info : 8260-ccv,71692:0
 Misc Info : 65925
 Comment :
 Method : \\192.168.50.6\chem\50mv3a.i\a070214.b\ -a8260_a_c.m
 Meth Date : 03-Jul-2014 11:07 50mv3a.i Quant Type: ISTD
 Cal Date : 19-JUN-2014 18:33 Cal File: a08cal.d
 Als bottle: 3 Continuing Calibration Sample
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: most.sub
 Target Version: 4.14

Concentration Formula: Amt * DF * Uf/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT	SIG	AMOUNTS					REVIEW C	
			MASS	RT	EXP RT	REL RT	RESPONSE		CAL-AMT (ug/L)
1 Dichlorodifluoromethane	85		1.026	1.026	(0.231)	40815	50.0000	56.0	
2 Chloromethane	50		1.126	1.126	(0.253)	40508	50.0000	65.4	
3 Vinyl Chloride	62		1.136	1.136	(0.255)	39813	50.0000	64.7	
4 Bromomethane	94		1.293	1.293	(0.291)	12555	50.0000	45.3	
5 Chloroethane	64		1.345	1.345	(0.302)	23416	50.0000	66.8	
6 Trichlorofluoromethane	101		1.466	1.466	(0.329)	51228	50.0000	52.8	
9 Acrolein	56		1.675	1.675	(0.376)	41648	1000.00	1160	
11 1,1-Dichloroethene	96		1.738	1.738	(0.390)	28653	50.0000	55.9	
12 Acetone	43		1.748	1.748	(0.393)	20928	250.000	255	
13 Iodomethane	142		1.837	1.837	(0.413)	33244	100.000	98.8	
14 Carbon Disulfide	76		1.889	1.889	(0.424)	165243	100.000	110	
15 Methyl Acetate	43		1.931	1.931	(0.434)	12605	50.0000	59.6	
17 Methylene Chloride	84		2.031	2.031	(0.456)	31760	50.0000	47.6	
18 tert-Butyl Alcohol	59		2.083	2.083	(0.468)	2159	100.000	109(Q)	
19 Acrylonitrile	53		2.177	2.177	(0.489)	116868	1000.00	1140	
20 Methyl-tert-butyl ether	73		2.203	2.203	(0.495)	127129	100.000	107	
21 1,2-Dichloroethene (trans)	96		2.219	2.219	(0.498)	32287	50.0000	54.5	
22 n-Hexane	57		2.418	2.418	(0.543)	55870	50.0000	54.8	
24 1,1-Dichloroethane	63		2.548	2.548	(0.572)	52453	50.0000	51.7	
23 Vinyl Acetate	43		2.538	2.538	(0.570)	153431	200.000	210	
25 2-Butanone	43		3.045	3.045	(0.684)	35789	250.000	267	
26 1,2-Dichloroethene (cis)	96		3.061	3.061	(0.688)	31813	50.0000	52.8	
27 2,2-Dichloropropane	77		3.066	3.066	(0.689)	39210	50.0000	51.8	

Compounds	QUANT	SIG						AMOUNTS		REVIEW C
			MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/L)	ON-COL (ug/L)	
29 Bromochloromethane	49		3.312	3.312	(0.744)	17247	50.0000	56.4		
31 Chloroform	83		3.432	3.432	(0.771)	48525	50.0000	49.2		
\$ 32 Dibromofluoromethane (S)	113		3.626	3.626	(0.814)	21078	50.0000	48.2		
33 1,1,1-Trichloroethane	97		3.626	3.626	(0.814)	43980	50.0000	50.3		
34 Cyclohexane	56		3.715	3.715	(0.834)	56032	50.0000	55.0		
35 Carbon Tetrachloride	117		3.819	3.819	(0.858)	33572	50.0000	45.8		
36 1,1-Dichloropropene	75		3.830	3.830	(0.860)	45330	50.0000	51.8		
37 Benzene	78		4.070	4.070	(0.914)	119092	50.0000	54.6		
38 1,2-Dichloroethane	62		4.149	4.149	(0.932)	29618	50.0000	47.6		
40 2,2,4-Trimethylpentane	57		4.238	4.238	(0.952)	135514	50.0000	54.6		
* 41 Fluorobenzene (IS)	96		4.452	4.452	(1.000)	94058	50.0000			
42 Trichloroethene	95		4.886	4.886	(1.097)	31879	50.0000	53.5		
43 Methylcyclohexane	55		5.148	5.148	(1.156)	47550	50.0000	55.0		
44 1,2-Dichloropropane	63		5.184	5.184	(1.164)	26915	50.0000	53.8		
45 Dibromomethane	93		5.278	5.278	(1.186)	11535	50.0000	52.4		
46 1,4-Dioxane	88		5.289	5.289	(1.188)	3431	1000.00	1030		
47 Methyl methacrylate	69		5.289	5.289	(1.188)	12080	50.0000	49.8		
48 Bromodichloromethane	83		5.498	5.498	(1.235)	32175	50.0000	50.7		
49 2-Chloroethyl vinyl ether	63		5.838	5.838	(0.776)	12703	100.000	89.5		
50 cis-1,3-Dichloropropene	75		5.985	5.985	(0.796)	39210	50.0000	46.8		
51 4-Methyl-2-Pentanone	43		6.152	6.152	(0.818)	86200	250.000	256		
\$ 52 Toluene-d8 (S)	98		6.256	6.256	(0.832)	93747	50.0000	47.7		
53 Toluene	91		6.330	6.330	(0.841)	137922	50.0000	49.0		
54 trans-1,3-Dichloropropene	75		6.591	6.591	(0.876)	28754	50.0000	45.6		
55 Ethyl Methacrylate	69		6.664	6.664	(0.886)	25938	50.0000	47.4		
56 1,1,2-Trichloroethane	83		6.769	6.769	(0.900)	15715	50.0000	49.9		
57 Tetrachloroethene	166		6.821	6.821	(0.907)	45061	50.0000	56.0		
58 1,3-Dichloropropane	76		6.905	6.905	(0.918)	34438	50.0000	48.4		
59 2-Hexanone	43		6.963	6.963	(0.926)	60297	250.000	262		
60 Dibromochloromethane	129		7.083	7.083	(0.942)	20946	50.0000	44.5		
61 1,2-Dibromoethane	107		7.161	7.161	(0.952)	18133	50.0000	54.0		
* 62 Chlorobenzene-D5 (IS)	117		7.522	7.522	(1.000)	74049	50.0000			
63 Chlorobenzene	112		7.543	7.543	(1.003)	90574	50.0000	51.2		
64 1,1,1,2-Tetrachloroethane	131		7.616	7.616	(1.013)	27507	50.0000	52.2		
65 Ethylbenzene	106		7.622	7.622	(1.013)	55602	50.0000	52.8		
66 m&p-Xylene	106		7.716	7.716	(1.026)	134261	100.000	104		
67 o-Xylene	106		7.977	7.977	(1.060)	62126	50.0000	51.7		
68 Styrene	104		7.993	7.993	(1.063)	104395	50.0000	52.7		
69 Bromoform	173		8.113	8.113	(0.901)	11823	50.0000	41.8		
70 Isopropylbenzene	105		8.218	8.218	(1.092)	176107	50.0000	52.3		
\$ 71 4-Bromofluorobenzene (S)	95		8.328	8.328	(1.107)	34501	50.0000	50.0		
72 Bromobenzene	77		8.411	8.411	(1.118)	57115	50.0000	49.9		
73 1,1,2,2-Tetrachloroethane	83		8.417	8.417	(0.934)	22715	50.0000	47.0		
74 trans-1,4-Dichloro-2-butene	53		8.437	8.437	(1.122)	4488	50.0000	42.2		
75 1,2,3-Trichloropropane	110		8.448	8.448	(0.938)	7734	50.0000	47.6		
76 n-Propylbenzene	91		8.474	8.474	(0.941)	207066	50.0000	48.8		
77 2-Chlorotoluene	91		8.526	8.526	(0.947)	115757	50.0000	48.7		
78 1,3,5-Trimethylbenzene	105		8.584	8.584	(0.953)	155887	50.0000	49.9		
79 4-Chlorotoluene	126		8.600	8.600	(0.955)	42240	50.0000	51.2		
80 tert-Butylbenzene	119		8.767	8.767	(0.973)	168597	50.0000	50.2		
81 1,2,4-Trimethylbenzene	105		8.798	8.798	(0.977)	158231	50.0000	50.8		
82 sec-Butylbenzene	105		8.892	8.892	(0.987)	203704	50.0000	48.9		
83 1,3-Dichlorobenzene	146		8.960	8.960	(0.995)	87416	50.0000	51.4		
84 p-Isopropyltoluene	119		8.976	8.976	(0.997)	184622	50.0000	51.0		

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS		REVIEW C
						CAL-AMT (ug/L)	ON-COL (ug/L)	
* 85 1,4-Dichlorobenzene-d4 (IS)	152	9.008	9.008	(1.000)	42989	50.0000		
86 1,4-Dichlorobenzene	146	9.018	9.018	(1.001)	86213	50.0000	50.8	
87 n-Butylbenzene	91	9.196	9.196	(1.021)	164003	50.0000	50.3	
88 1,2-Dichlorobenzene	146	9.211	9.211	(1.023)	75504	50.0000	50.3	
89 1,2-Dibromo-3-chloropropane	155	9.619	9.619	(1.068)	3413	50.0000	32.6	
90 1,2,4-Trichlorobenzene	180	10.043	10.043	(1.115)	61770	50.0000	57.1	
91 Hexachlorobutadiene	225	10.111	10.111	(1.123)	40585	50.0000	59.2	
92 Naphthalene	128	10.190	10.190	(1.131)	99130	50.0000	53.0	
93 1,2,3-Trichlorobenzene	180	10.310	10.310	(1.145)	53419	50.0000	55.0	
94 2,methyl-naphthalene	142	10.854	10.854	(1.205)	66703	50.0000	56.9	
95 1-Methylnaphthalene	142	10.979	10.979	(1.219)	55087	50.0000	54.9	

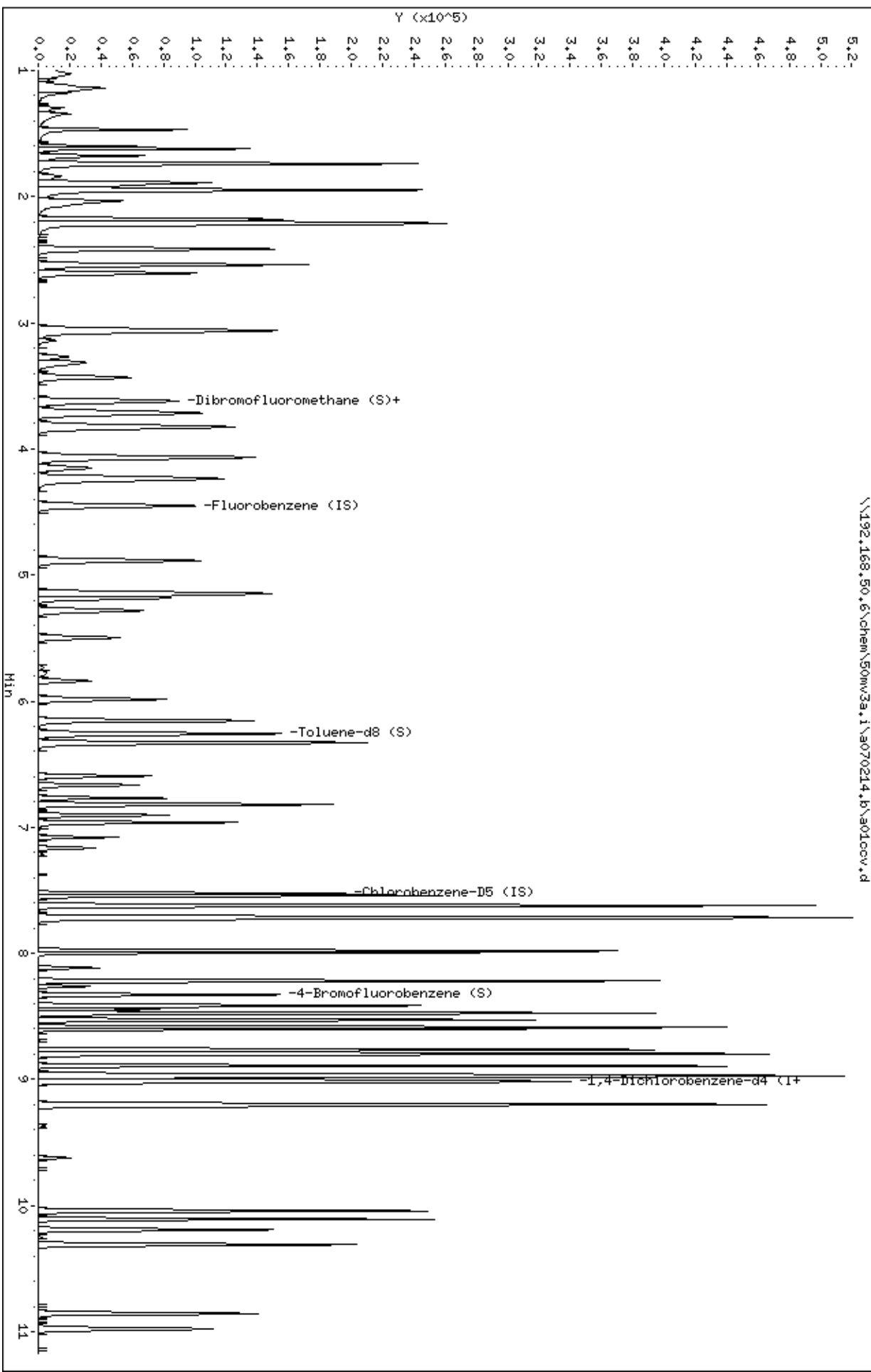
QC Flag Legend

Q - Qualifier signal failed the ratio test.

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Date: 02-JUL-2014 10:03
Client ID: 8260-CCV,71692:0
Sample Info: 8260-CCV,71692:0
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50mw3a.1
Operator: JIZ
Column diameter: 0.18

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Data File: \\192.168.50.6\chem\50mv3a.i\a070214.b/a01ccv.d
Injection Date: 02-JUL-2014 10:03
Instrument: 50mv3a.i
Lab Sample ID: 8260-CCV,71692:0
NO SIGNAL MANUAL INTEGRATIONS DONE FOR THIS DATA FILE

Pace Analytical Services, Inc.

Data file : \\192.168.50.6\chem\50mv3a.i\a070214.b\c01ccv.d
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 Inj Date : 02-JUL-2014 21:58
 Operator : jlz Inst ID: 50mv3a.i
 Smp Info : 8260-ccv,71692:0
 Misc Info : 65925
 Comment :
 Method : \\192.168.50.6\chem\50mv3a.i\a070214.b\ -a8260_a_c.m
 Meth Date : 03-Jul-2014 11:07 50mv3a.i Quant Type: ISTD
 Cal Date : 19-JUN-2014 18:33 Cal File: a08cal.d
 Als bottle: 47 Continuing Calibration Sample
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: most.sub
 Target Version: 4.14

Concentration Formula: Amt * DF * Uf/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT	SIG	AMOUNTS					REVIEW C	
			MASS	RT	EXP RT	REL RT	RESPONSE		CAL-AMT (ug/L)
1 Dichlorodifluoromethane	85		1.026	1.026	(0.231)	42371	50.0000	58.2	
2 Chloromethane	50		1.125	1.126	(0.253)	42098	50.0000	68.0	
3 Vinyl Chloride	62		1.136	1.136	(0.256)	42228	50.0000	68.6	
4 Bromomethane	94		1.293	1.293	(0.291)	15110	50.0000	52.3	
5 Chloroethane	64		1.345	1.345	(0.303)	25295	50.0000	72.2	
6 Trichlorofluoromethane	101		1.465	1.466	(0.330)	57027	50.0000	58.8	
9 Acrolein	56		1.675	1.675	(0.377)	42367	1000.00	1190	
11 1,1-Dichloroethene	96		1.737	1.738	(0.391)	29597	50.0000	57.8	
12 Acetone	43		1.748	1.748	(0.393)	21025	250.000	256	
13 Iodomethane	142		1.837	1.837	(0.413)	34288	100.000	101	
14 Carbon Disulfide	76		1.889	1.889	(0.425)	167584	100.000	112	
15 Methyl Acetate	43		1.931	1.931	(0.434)	12727	50.0000	60.2	
17 Methylene Chloride	84		2.030	2.031	(0.457)	31033	50.0000	46.4	
18 tert-Butyl Alcohol	59		2.077	2.083	(0.467)	2080	100.000	107	
19 Acrylonitrile	53		2.177	2.177	(0.490)	113768	1000.00	1110	
20 Methyl-tert-butyl ether	73		2.203	2.203	(0.495)	127149	100.000	107	
21 1,2-Dichloroethene (trans)	96		2.218	2.219	(0.499)	31831	50.0000	53.7	
22 n-Hexane	57		2.417	2.418	(0.544)	54783	50.0000	53.7	
24 1,1-Dichloroethane	63		2.543	2.548	(0.572)	53432	50.0000	52.8	
23 Vinyl Acetate	43		2.532	2.538	(0.570)	161772	200.000	220	
25 2-Butanone	43		3.045	3.045	(0.685)	35266	250.000	263	
26 1,2-Dichloroethene (cis)	96		3.061	3.061	(0.688)	32066	50.0000	53.3	
27 2,2-Dichloropropane	77		3.066	3.066	(0.690)	38998	50.0000	51.6	

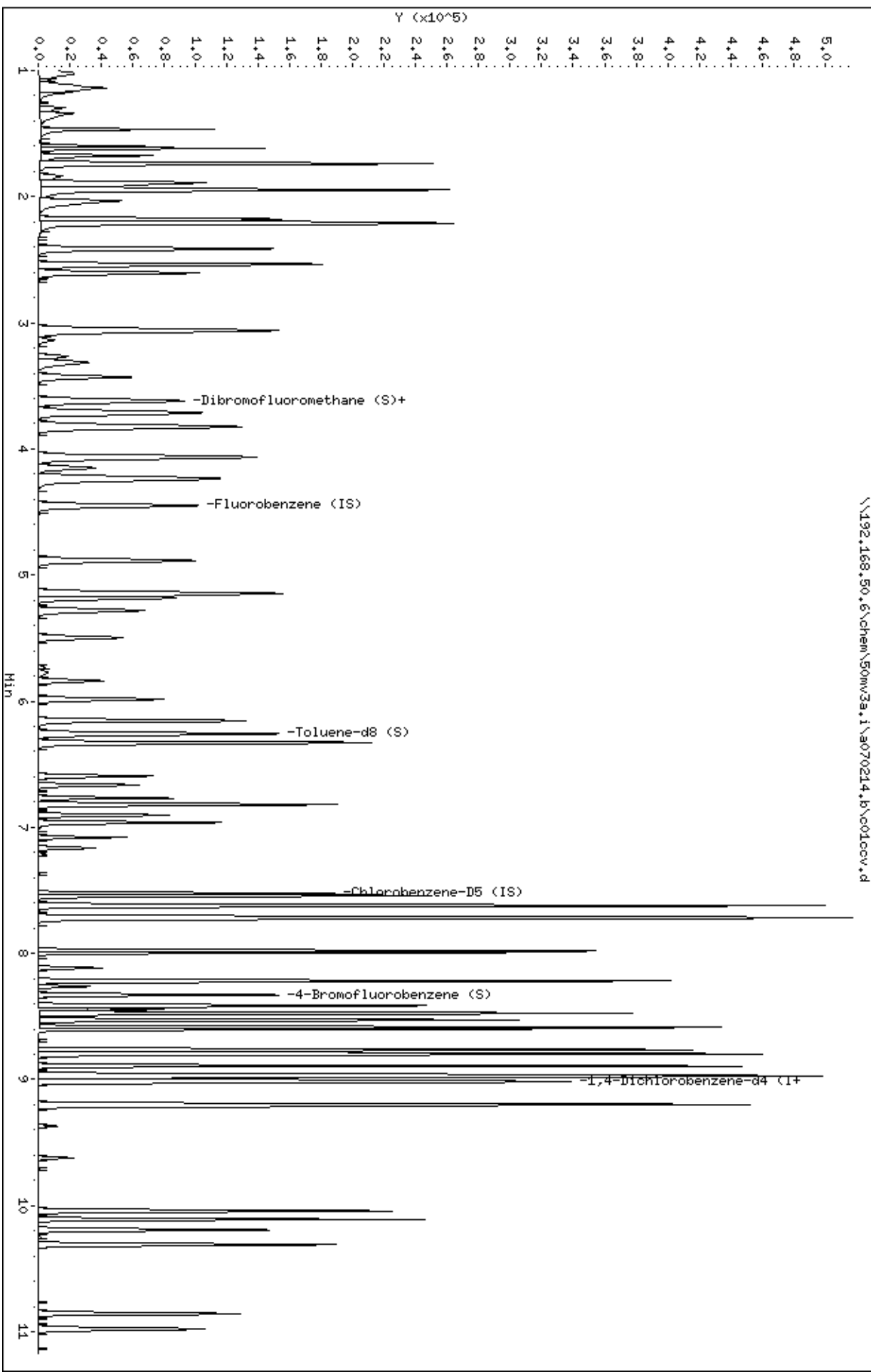
Compounds	QUANT	SIG						AMOUNTS		REVIEW C
			MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/L)	ON-COL (ug/L)	
29 Bromochloromethane	49		3.312	3.312	(0.745)	16705	50.0000	54.7		
31 Chloroform	83		3.427	3.432	(0.771)	49311	50.0000	50.1		
\$ 32 Dibromofluoromethane (S)	113		3.620	3.626	(0.814)	21067	50.0000	48.2		
33 1,1,1-Trichloroethane	97		3.620	3.626	(0.814)	46775	50.0000	53.6		
34 Cyclohexane	56		3.709	3.715	(0.834)	56178	50.0000	55.2		
35 Carbon Tetrachloride	117		3.819	3.819	(0.859)	36217	50.0000	48.9		
36 1,1-Dichloropropene	75		3.824	3.830	(0.860)	45471	50.0000	52.0		
37 Benzene	78		4.070	4.070	(0.915)	119864	50.0000	55.0		
38 1,2-Dichloroethane	62		4.148	4.149	(0.933)	30675	50.0000	49.3		
40 2,2,4-Trimethylpentane	57		4.237	4.238	(0.953)	135758	50.0000	54.7		
* 41 Fluorobenzene (IS)	96		4.446	4.452	(1.000)	93975	50.0000			
42 Trichloroethene	95		4.886	4.886	(1.099)	31339	50.0000	52.7		
43 Methylcyclohexane	55		5.147	5.148	(1.158)	47977	50.0000	55.5		
44 1,2-Dichloropropane	63		5.184	5.184	(1.166)	27248	50.0000	54.5		
45 Dibromomethane	93		5.278	5.278	(1.187)	11498	50.0000	52.3		
46 1,4-Dioxane	88		5.283	5.289	(1.188)	3242	1000.00	982		
47 Methyl methacrylate	69		5.289	5.289	(1.189)	11911	50.0000	49.3		
48 Bromodichloromethane	83		5.498	5.498	(1.236)	33616	50.0000	53.0		
49 2-Chloroethyl vinyl ether	63		5.838	5.838	(0.776)	15666	100.000	112		
50 cis-1,3-Dichloropropene	75		5.984	5.985	(0.796)	39210	50.0000	47.3		
51 4-Methyl-2-Pentanone	43		6.157	6.152	(0.819)	83127	250.000	250		
\$ 52 Toluene-d8 (S)	98		6.256	6.256	(0.832)	92715	50.0000	47.7		
53 Toluene	91		6.329	6.330	(0.841)	138388	50.0000	49.8		
54 trans-1,3-Dichloropropene	75		6.591	6.591	(0.876)	29352	50.0000	46.9		
55 Ethyl Methacrylate	69		6.664	6.664	(0.886)	25706	50.0000	47.6		
56 1,1,2-Trichloroethane	83		6.769	6.769	(0.900)	15547	50.0000	50.0		
57 Tetrachloroethene	166		6.821	6.821	(0.907)	45494	50.0000	57.2		
58 1,3-Dichloropropane	76		6.905	6.905	(0.918)	34830	50.0000	49.6		
59 2-Hexanone	43		6.962	6.963	(0.926)	57301	250.000	252		
60 Dibromochloromethane	129		7.082	7.083	(0.942)	21532	50.0000	46.2		
61 1,2-Dibromoethane	107		7.166	7.161	(0.953)	17682	50.0000	53.3		
* 62 Chlorobenzene-D5 (IS)	117		7.522	7.522	(1.000)	73136	50.0000			
63 Chlorobenzene	112		7.543	7.543	(1.003)	89828	50.0000	51.4		
64 1,1,1,2-Tetrachloroethane	131		7.621	7.616	(1.013)	28587	50.0000	55.0		
65 Ethylbenzene	106		7.621	7.622	(1.013)	54737	50.0000	52.6		
66 m&p-Xylene	106		7.721	7.716	(1.026)	132251	100.000	104		
67 o-Xylene	106		7.977	7.977	(1.060)	62230	50.0000	52.5		
68 Styrene	104		7.993	7.993	(1.063)	103541	50.0000	52.9		
69 Bromoform	173		8.113	8.113	(0.901)	12917	50.0000	45.9		
70 Isopropylbenzene	105		8.217	8.218	(1.092)	174037	50.0000	52.3		
\$ 71 4-Bromofluorobenzene (S)	95		8.327	8.328	(1.107)	33510	50.0000	49.1		
72 Bromobenzene	77		8.411	8.411	(1.118)	56980	50.0000	50.4		
73 1,1,2,2-Tetrachloroethane	83		8.416	8.417	(0.934)	22772	50.0000	48.3		
74 trans-1,4-Dichloro-2-butene	53		8.437	8.437	(1.122)	4604	50.0000	43.6		
75 1,2,3-Trichloropropane	110		8.448	8.448	(0.938)	7374	50.0000	46.5		
76 n-Propylbenzene	91		8.474	8.474	(0.941)	202257	50.0000	48.8		
77 2-Chlorotoluene	91		8.526	8.526	(0.947)	114378	50.0000	49.3		
78 1,3,5-Trimethylbenzene	105		8.584	8.584	(0.953)	152820	50.0000	50.1		
79 4-Chlorotoluene	126		8.604	8.600	(0.955)	40923	50.0000	50.8		
80 tert-Butylbenzene	119		8.767	8.767	(0.973)	166276	50.0000	50.7		
81 1,2,4-Trimethylbenzene	105		8.798	8.798	(0.977)	153462	50.0000	50.4		
82 sec-Butylbenzene	105		8.892	8.892	(0.987)	202644	50.0000	49.8		
83 1,3-Dichlorobenzene	146		8.960	8.960	(0.995)	82971	50.0000	50.0		
84 p-Isopropyltoluene	119		8.976	8.976	(0.997)	178557	50.0000	50.5		

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS		REVIEW C
						CAL-AMT (ug/L)	ON-COL (ug/L)	
* 85 1,4-Dichlorobenzene-d4 (IS)	152	9.007	9.008	(1.000)	41980	50.0000		
86 1,4-Dichlorobenzene	146	9.018	9.018	(1.001)	82273	50.0000	49.7	
87 n-Butylbenzene	91	9.195	9.196	(1.021)	156166	50.0000	49.0	
88 1,2-Dichlorobenzene	146	9.211	9.211	(1.023)	73554	50.0000	50.1	
89 1,2-Dibromo-3-chloropropane	155	9.619	9.619	(1.068)	3615	50.0000	35.3	
90 1,2,4-Trichlorobenzene	180	10.043	10.043	(1.115)	55534	50.0000	52.5	
91 Hexachlorobutadiene	225	10.111	10.111	(1.123)	38534	50.0000	57.6	
92 Naphthalene	128	10.194	10.190	(1.132)	94205	50.0000	51.6	
93 1,2,3-Trichlorobenzene	180	10.309	10.310	(1.145)	49172	50.0000	51.8	
94 2,methyl-naphthalene	142	10.853	10.854	(1.205)	60143	50.0000	52.6	
95 1-Methylnaphthalene	142	10.979	10.979	(1.219)	52095	50.0000	53.2	

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Date : 02-JUL-2014 21:58
Client ID: 8260-CCV,71692:0
Sample Info: 8260-CCV,71692:0
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50mw3a.1
Operator: JIZ
Column diameter: 0.18

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Data File: \\192.168.50.6\chem\50mv3a.i\a070214.b/c01ccv.d
Injection Date: 02-JUL-2014 21:58
Instrument: 50mv3a.i
Lab Sample ID: 8260-CCV,71692:0
NO SIGNAL MANUAL INTEGRATIONS DONE FOR THIS DATA FILE

Pace Analytical Services, Inc.

Data file : \\192.168.50.6\chem\50mv3a.i\a070314.b\a01ccv.d
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 Inj Date : 03-JUL-2014 10:24
 Operator : jlz Inst ID: 50mv3a.i
 Smp Info : 8260-ccv,71692:0
 Misc Info : 64841
 Comment :
 Method : \\192.168.50.6\chem\50mv3a.i\a070314.b\ -a8260_a_c.m
 Meth Date : 07-Jul-2014 11:05 50mv3b.i Quant Type: ISTD
 Cal Date : 19-JUN-2014 18:33 Cal File: a08cal.d
 Als bottle: 3 Continuing Calibration Sample
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: most.sub
 Target Version: 4.14

Concentration Formula: Amt * DF * Uf/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT MASS	SIG	RT	EXP RT	REL RT	RESPONSE	AMOUNTS		REVIEW C
							CAL-AMT (ug/L)	ON-COL (ug/L)	
1 Dichlorodifluoromethane	85		1.030	0.992	(0.232)	39235	50.0000	54.2	
2 Chloromethane	50		1.130	1.076	(0.254)	38125	50.0000	61.9	
3 Vinyl Chloride	62		1.135	1.128	(0.255)	37140	50.0000	60.8	
4 Bromomethane	94		1.292	1.285	(0.290)	14314	50.0000	50.3	
5 Chloroethane	64		1.344	1.337	(0.302)	22459	50.0000	64.5	
6 Trichlorofluoromethane	101		1.470	1.463	(0.330)	54293	50.0000	56.3	
9 Acrolein	56		1.674	1.672	(0.376)	39554	1000.00	1110	
11 1,1-Dichloroethene	96		1.742	1.735	(0.391)	28861	50.0000	56.6	
12 Acetone	43		1.752	1.745	(0.394)	21367	250.000	262	
13 Iodomethane	142		1.836	1.829	(0.413)	34085	100.000	101	
14 Carbon Disulfide	76		1.888	1.876	(0.424)	165796	100.000	112	
15 Methyl Acetate	43		1.930	1.928	(0.434)	12646	50.0000	60.1	
17 Methylene Chloride	84		2.035	2.022	(0.457)	29998	50.0000	44.8	
18 tert-Butyl Alcohol	59		2.076	2.075	(0.467)	2080	100.000	107 (Q)	
19 Acrylonitrile	53		2.176	2.174	(0.489)	109220	1000.00	1080	
20 Methyl-tert-butyl ether	73		2.207	2.200	(0.496)	124025	100.000	105	
21 1,2-Dichloroethene (trans)	96		2.218	2.211	(0.498)	30303	50.0000	51.4	
22 n-Hexane	57		2.416	2.409	(0.543)	52258	50.0000	51.5	
24 1,1-Dichloroethane	63		2.547	2.540	(0.572)	52273	50.0000	51.9	
23 Vinyl Acetate	43		2.537	2.530	(0.570)	143806	200.000	200	
25 2-Butanone	43		3.044	3.042	(0.684)	34184	250.000	256	
26 1,2-Dichloroethene (cis)	96		3.060	3.058	(0.687)	30614	50.0000	51.2	
27 2,2-Dichloropropane	77		3.065	3.063	(0.689)	40228	50.0000	53.2	

Compounds	QUANT SIG		AMOUNTS					REVIEW C
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/L)	ON-COL (ug/L)	
29 Bromochloromethane	49	3.316	3.309	(0.745)	15605	50.0000	51.4	
31 Chloroform	83	3.431	3.424	(0.771)	49150	50.0000	50.2	
\$ 32 Dibromofluoromethane (S)	113	3.619	3.617	(0.813)	20991	50.0000	48.3	
33 1,1,1-Trichloroethane	97	3.619	3.617	(0.813)	45575	50.0000	52.5	
34 Cyclohexane	56	3.713	3.706	(0.834)	52702	50.0000	52.0	
35 Carbon Tetrachloride	117	3.818	3.816	(0.858)	36794	50.0000	49.8	
36 1,1-Dichloropropene	75	3.829	3.821	(0.860)	44760	50.0000	51.5	
37 Benzene	78	4.069	4.067	(0.914)	115903	50.0000	53.5	
38 1,2-Dichloroethane	62	4.148	4.146	(0.932)	30736	50.0000	49.6	
40 2,2,4-Trimethylpentane	57	4.237	4.229	(0.952)	128884	50.0000	52.2	
* 41 Fluorobenzene (IS)	96	4.451	4.449	(1.000)	93482	50.0000		
42 Trichloroethene	95	4.885	4.883	(1.098)	31392	50.0000	53.0	
43 Methylcyclohexane	55	5.147	5.145	(1.156)	45551	50.0000	53.0	
44 1,2-Dichloropropane	63	5.183	5.181	(1.164)	26543	50.0000	53.3	
45 Dibromomethane	93	5.277	5.275	(1.186)	10915	50.0000	49.9	
46 1,4-Dioxane	88	5.293	5.291	(1.189)	2699	1000.00	848	
47 Methyl methacrylate	69	5.288	5.286	(1.188)	11392	50.0000	47.6	
48 Bromodichloromethane	83	5.497	5.495	(1.235)	32368	50.0000	51.3	
49 2-Chloroethyl vinyl ether	63	5.837	5.835	(0.776)	10781	100.000	79.4	
50 cis-1,3-Dichloropropene	75	5.983	5.982	(0.796)	38151	50.0000	47.5	
51 4-Methyl-2-Pentanone	43	6.156	6.154	(0.819)	80051	250.000	249	
\$ 52 Toluene-d8 (S)	98	6.261	6.259	(0.832)	91026	50.0000	48.4	
53 Toluene	91	6.334	6.327	(0.842)	133785	50.0000	49.7	
54 trans-1,3-Dichloropropene	75	6.595	6.593	(0.877)	29026	50.0000	47.7	
55 Ethyl Methacrylate	69	6.669	6.667	(0.887)	24791	50.0000	47.4	
56 1,1,2-Trichloroethane	83	6.768	6.766	(0.900)	15083	50.0000	50.0	
57 Tetrachloroethene	166	6.820	6.818	(0.907)	42715	50.0000	55.5	
58 1,3-Dichloropropane	76	6.904	6.902	(0.918)	33319	50.0000	49.0	
59 2-Hexanone	43	6.961	6.965	(0.926)	55575	250.000	253	
60 Dibromochloromethane	129	7.082	7.080	(0.942)	20471	50.0000	45.4	
61 1,2-Dibromoethane	107	7.165	7.164	(0.953)	17556	50.0000	54.6	
* 62 Chlorobenzene-D5 (IS)	117	7.521	7.524	(1.000)	70817	50.0000		
63 Chlorobenzene	112	7.547	7.545	(1.003)	88340	50.0000	52.2	
64 1,1,1,2-Tetrachloroethane	131	7.620	7.619	(1.013)	27601	50.0000	54.8	
65 Ethylbenzene	106	7.626	7.624	(1.014)	53032	50.0000	52.6	
66 m&p-Xylene	106	7.720	7.718	(1.026)	131057	100.000	107	
67 o-Xylene	106	7.976	7.974	(1.060)	60052	50.0000	52.3	
68 Styrene	104	7.992	7.995	(1.063)	100548	50.0000	53.0	
69 Bromoform	173	8.112	8.115	(0.901)	11714	50.0000	42.7	
70 Isopropylbenzene	105	8.217	8.220	(1.092)	169935	50.0000	52.8	
\$ 71 4-Bromofluorobenzene (S)	95	8.332	8.330	(1.108)	33255	50.0000	50.4	
72 Bromobenzene	77	8.410	8.408	(1.118)	56430	50.0000	51.6	
73 1,1,2,2-Tetrachloroethane	83	8.421	8.419	(0.935)	21694	50.0000	46.6	
74 trans-1,4-Dichloro-2-butene	53	8.436	8.434	(1.122)	5285	50.0000	50.4 (Q)	
75 1,2,3-Trichloropropane	110	8.447	8.450	(0.938)	7392	50.0000	47.2	
76 n-Propylbenzene	91	8.478	8.476	(0.941)	201298	50.0000	49.2	
77 2-Chlorotoluene	91	8.525	8.529	(0.947)	113905	50.0000	49.7	
78 1,3,5-Trimethylbenzene	105	8.583	8.581	(0.953)	151957	50.0000	50.5	
79 4-Chlorotoluene	126	8.604	8.602	(0.955)	40882	50.0000	51.4	
80 tert-Butylbenzene	119	8.766	8.764	(0.973)	160764	50.0000	49.6	
81 1,2,4-Trimethylbenzene	105	8.797	8.801	(0.977)	151937	50.0000	50.6	
82 sec-Butylbenzene	105	8.891	8.889	(0.987)	200117	50.0000	49.8	
83 1,3-Dichlorobenzene	146	8.965	8.963	(0.995)	82550	50.0000	50.3	
84 p-Isopropyltoluene	119	8.975	8.973	(0.997)	177613	50.0000	50.8	

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS		REVIEW C
						CAL-AMT (ug/L)	ON-COL (ug/L)	
* 85 1,4-Dichlorobenzene-d4 (IS)	152	9.006	9.005	(1.000)	41444	50.0000		
86 1,4-Dichlorobenzene	146	9.022	9.020	(1.002)	82342	50.0000	50.3	
87 n-Butylbenzene	91	9.195	9.193	(1.021)	159998	50.0000	50.9	
88 1,2-Dichlorobenzene	146	9.210	9.214	(1.023)	72357	50.0000	50.0	
89 1,2-Dibromo-3-chloropropane	155	9.624	9.622	(1.069)	3174	50.0000	31.4	
90 1,2,4-Trichlorobenzene	180	10.042	10.040	(1.115)	57236	50.0000	54.8	
91 Hexachlorobutadiene	225	10.110	10.108	(1.123)	36819	50.0000	55.7	
92 Naphthalene	128	10.194	10.192	(1.132)	91425	50.0000	50.8	
93 1,2,3-Trichlorobenzene	180	10.314	10.312	(1.145)	49702	50.0000	53.1	
94 2,methyl-naphthalene	142	10.858	10.856	(1.206)	59175	50.0000	52.4	
95 1-Methylnaphthalene	142	10.978	10.976	(1.219)	50186	50.0000	51.9	

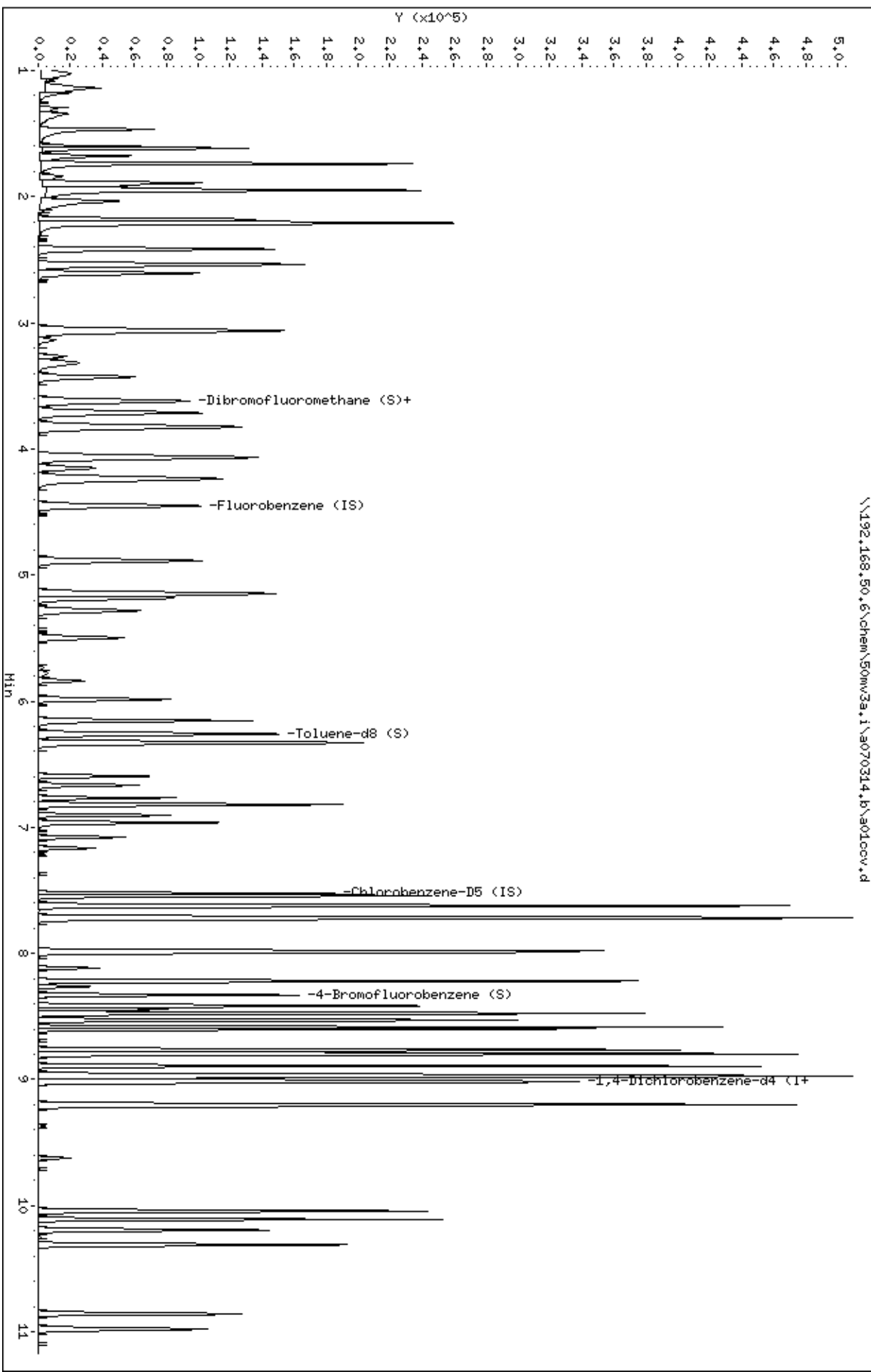
QC Flag Legend

Q - Qualifier signal failed the ratio test.

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Client ID: 8260-CCV,71692:0
Sample Info: 8260-CCV,71692:0
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50mw3a.1
Operator: JIZ
Column diameter: 0.18

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Data File: \\192.168.50.6\chem\50mv3a.i\a070314.b/a01ccv.d
Injection Date: 03-JUL-2014 10:24
Instrument: 50mv3a.i
Lab Sample ID: 8260-CCV,71692:0
NO SIGNAL MANUAL INTEGRATIONS DONE FOR THIS DATA FILE

Pace Analytical Services, Inc.

Data file : \\192.168.50.6\chem\50mv4b.i\b062514cal.b\b1licv.d
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 Inj Date : 25-JUN-2014 21:03
 Operator : rsw Inst ID: 50mv4b.i
 Smp Info : 8260-icv,71418:0
 Misc Info : 66151
 Comment :
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 Meth Date : 26-Jun-2014 12:22 rwrede Quant Type: ISTD
 Cal Date : 25-JUN-2014 19:58 Cal File: b09.d
 Als bottle: 24 QC Sample: ICV
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: all.sub
 Target Version: 4.14

Concentration Formula: Amt * DF * Uf/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT	SIG	CONCENTRATIONS				REVIEW C		
			ON-COLUMN	FINAL					
	MASS		RT	EXP RT	REL RT	RESPONSE	(ppb)	(ppb)	
1 Dichlorodifluoromethane	85		1.057	1.057	(0.205)	486792	47.9716	48.0	
2 Chloromethane	50		1.186	1.192	(0.230)	829220	48.3015	48.3	
3 Vinyl Chloride	62		1.227	1.227	(0.238)	593567	50.0218	50.0	
4 Bromomethane	94		1.416	1.422	(0.274)	263754	74.8354	74.8	
5 Chloroethane	64		1.480	1.480	(0.287)	331258	47.3699	47.4 (H)	
6 Trichlorofluoromethane	101		1.639	1.639	(0.318)	561297	45.6480	45.6	
7 Diethyl ether	74		1.827	1.833	(0.354)	192925	52.2659	52.3	
8 1,2-dichlorotrifluoroethane	67		1.833	1.839	(0.355)	455201	50.3661	50.4	
9 Acrolein	56		1.916	1.922	(0.371)	1849541	1006.80	1010	
10 1,1,2trichlorotrifluoroethane	101		1.986	1.992	(0.385)	365318	51.9082	51.9	
11 1,1-Dichloroethene	96		1.986	1.986	(0.385)	327548	49.9158	49.9	
12 Acetone	43		2.027	2.045	(0.393)	666067	231.314	231	
13 Iodomethane	142		2.098	2.098	(0.406)	629570	87.1162	87.1	
14 Carbon Disulfide	76		2.145	2.145	(0.416)	1934890	113.030	113	
15 Acetonitrile	39		2.263	2.269	(0.438)	1058059	52.1404	52.1	
16 allyl chloride	41		2.263	2.269	(0.438)	1744206	108.398	108	
17 Methyl Acetate	43		2.286	2.298	(0.443)	483369	54.9555	55.0	
18 Methylene Chloride	84		2.363	2.369	(0.458)	351828	50.3467	50.3	
19 tert-Butyl Alcohol	59		2.486	2.527	(0.482)	50088	96.4903	96.5 (QH)	
20 Acrylonitrile	53		2.592	2.604	(0.502)	3787380	986.992	987	
21 1,2-Dichloroethene (trans)	96		2.604	2.616	(0.504)	362794	53.0502	53.0	
22 Methyl-tert-butyl ether	73		2.616	2.627	(0.507)	1425185	105.831	106	
23 n-Hexane	57		2.880	2.886	(0.558)	676036	45.8232	45.8	

Compounds	QUANT MASS	SIG						CONCENTRATIONS		REVIEW C
			RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ppb)	FINAL (ppb)		
24 1,1-Dichloroethane	63		3.027	3.039	(0.586)	756350	50.7166	50.7		
25 Vinyl Acetate	43		3.116	3.127	(0.604)	4849779	225.061	225		
26 chloroprene	53		3.133	3.139	(0.607)	823931	56.1330	56.1		
27 2,2-Dichloropropane	77		3.733	3.739	(0.723)	323931	46.1642	46.2		
28 1,2-Dichloroethene (cis)	96		3.745	3.757	(0.725)	441595	54.3525	54.4		
29 2-Butanone	43		3.804	3.821	(0.737)	1214052	265.706	266		
30 Propionitrile	54		3.880	3.904	(0.752)	69951	56.6061	56.6(Q)		
31 Bromochloromethane	49		4.068	4.074	(0.788)	520673	51.8851	51.9		
32 Methacrylonitrile	41		4.086	4.098	(0.791)	1442311	209.358	209		
33 Tetrahydrofuran	42		4.133	4.151	(0.801)	161473	44.2282	44.2		
34 Chloroform	83		4.198	4.210	(0.813)	656643	53.1192	53.1		
35 1,1,1-Trichloroethane	97		4.392	4.398	(0.851)	523660	58.8654	58.9		
\$ 36 Dibromofluoromethane (S)	113		4.398	4.410	(0.852)	112055	49.2175	49.2		
37 Cyclohexane	56		4.439	4.451	(0.860)	936592	57.2260	57.2		
38 Carbon Tetrachloride	117		4.586	4.592	(0.888)	420181	59.6032	59.6		
39 1,1-Dichloropropene	75		4.598	4.604	(0.891)	521071	55.5055	55.5		
40 Benzene	78		4.833	4.839	(0.936)	1587030	54.2428	54.2		
41 1,2-Dichloroethane	62		4.868	4.880	(0.943)	581134	49.4134	49.4		
42 2,2,4-Trimethylpentane	57		4.957	4.963	(0.960)	1355428	53.4304	53.4		
43 Isobutyl alcohol	43		4.957	4.957	(0.960)	249321	46.5958	46.6		
* 44 Fluorobenzene	96		5.162	5.168	(1.000)	447398	50.0000			
45 Trichloroethene	95		5.557	5.563	(1.076)	397891	55.3694	55.4		
46 Methylcyclohexane	55		5.739	5.739	(1.112)	695818	55.9856	56.0		
47 1,2-Dichloropropane	63		5.786	5.792	(1.121)	467762	54.6393	54.6		
48 Dibromomethane	93		5.904	5.904	(1.144)	216448	51.6027	51.6		
49 1,4-Dioxane	88		5.951	6.015	(1.153)	49386	822.435	822		
50 Methyl methacrylate	69		5.968	5.974	(1.156)	242243	51.5225	51.5		
51 Bromodichloromethane	83		6.080	6.086	(1.178)	454146	60.1653	60.2		
52 2-Chloroethyl vinyl ether	63		6.415	6.415	(0.815)	277021	52.2757	52.3		
53 cis-1,3-Dichloropropene	75		6.521	6.527	(0.828)	509857	47.3086	47.3		
54 4-Methyl-2-Pentanone	43		6.698	6.704	(0.851)	2614637	298.551	298		
\$ 55 Toluene-d8	98		6.762	6.768	(0.859)	439042	48.8879	48.9		
56 Toluene	91		6.821	6.827	(0.866)	1696450	53.2307	53.2		
57 trans-1,3-Dichloropropene	75		7.051	7.051	(0.895)	381158	44.4688	44.5		
58 Ethyl Methacrylate	69		7.156	7.157	(0.909)	1734009	191.236	191		
59 1,1,2-Trichloroethane	83		7.192	7.192	(0.913)	264448	49.4985	49.5		
60 Tetrachloroethene	166		7.280	7.280	(0.925)	426584	50.1807	50.2		
61 1,3-Dichloropropane	76		7.315	7.315	(0.929)	518187	48.4508	48.4		
62 2-Hexanone	43		7.404	7.409	(0.940)	1741831	303.089	303		
63 Dibromochloromethane	129		7.480	7.480	(0.950)	329121	44.9561	45.0		
64 1,2-Dibromoethane	107		7.545	7.551	(0.958)	352886	56.4052	56.4		
* 65 Chlorobenzene-d5	117		7.874	7.874	(1.000)	356230	50.0000			
66 Chlorobenzene	112		7.892	7.892	(1.002)	1153379	51.8387	51.8		
67 1,1,1,2-Tetrachloroethane	131		7.951	7.951	(1.010)	364503	48.5101	48.5		
68 Ethylbenzene	106		7.974	7.974	(1.013)	637069	59.2817	59.3		
69 m&p-Xylene	106		8.051	8.051	(1.022)	1508182	122.001	122		
70 o-Xylene	106		8.298	8.298	(1.054)	738660	63.3493	63.3		
71 Styrene	104		8.309	8.309	(1.055)	1132591	54.7825	54.8		
72 Bromoform	173		8.415	8.415	(0.906)	181277	43.0303	43.0		
73 Isopropylbenzene	105		8.527	8.527	(1.083)	1808971	56.5807	56.6		
\$ 74 4-Bromofluorobenzene	95		8.615	8.615	(1.094)	155836	52.2722	52.3		
75 Bromobenzene	77		8.698	8.698	(1.105)	597871	53.5542	53.6		
76 1,1,2,2-Tetrachloroethane	83		8.709	8.709	(0.937)	403122	42.0650	42.1		
77 1,2,3-Trichloropropane	110		8.727	8.733	(0.939)	122525	41.6587	41.6(Q)		

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS		REVIEW C
						ON-COLUMN (ppb)	FINAL (ppb)	
78 trans-1,4-Dichloro-2-butene	53	8.745	8.745	(1.111)	541809	196.105	196 (Q)	
79 n-Propylbenzene	91	8.768	8.768	(0.944)	1912703	59.7815	59.8	
80 2-Chlorotoluene	91	8.815	8.815	(0.949)	1164527	49.6148	49.6	
81 1,3,5-Trimethylbenzene	105	8.874	8.874	(0.955)	1237644	59.5172	59.5	
82 4-Chlorotoluene	126	8.880	8.880	(0.956)	448586	55.7476	55.7	
83 tert-Butylbenzene	119	9.062	9.062	(0.975)	1267972	53.6607	53.7	
84 1,2,4-Trimethylbenzene	105	9.092	9.092	(0.978)	1139978	52.3892	52.4	
85 sec-Butylbenzene	105	9.192	9.192	(0.989)	1506035	60.7887	60.8	
86 1,3-Dichlorobenzene	146	9.250	9.251	(0.996)	755909	53.3292	53.3	
87 p-Isopropyltoluene	119	9.274	9.274	(0.998)	1141308	47.3765	47.4	
* 88 1,4-Dichlorobenzene-d4	152	9.292	9.292	(1.000)	158321	50.0000	(Q)	
89 1,4-Dichlorobenzene	146	9.303	9.303	(1.001)	739084	51.1345	51.1	
90 n-Butylbenzene	91	9.509	9.509	(1.023)	785203	45.8897	45.9	
91 1,2-Dichlorobenzene	146	9.521	9.521	(1.025)	705393	52.9181	52.9	
92 1,2-Dibromo-3-chloropropane	155	9.968	9.974	(1.073)	52619	43.0229	43.0	
93 1,2,4-Trichlorobenzene	180	10.456	10.456	(1.125)	238455	43.6213	43.6	
94 Hexachlorobutadiene	225	10.556	10.557	(1.136)	145212	53.1563	53.2	
95 Naphthalene	128	10.603	10.610	(1.141)	568812	46.6370	46.6	
96 1,2,3-Trichlorobenzene	180	10.750	10.756	(1.157)	225101	45.2139	45.2	
97 2,methyl-naphthalene	142	11.303	11.303	(1.216)	410261	65.3210	65.3 (R)	
98 1-Methylnaphthalene	142	11.421	11.427	(2.212)	352057	64.6229	64.6	

QC Flag Legend

- Q - Qualifier signal failed the ratio test.
- R - Spike/Surrogate failed recovery limits.
- H - Operator selected an alternate compound hit.

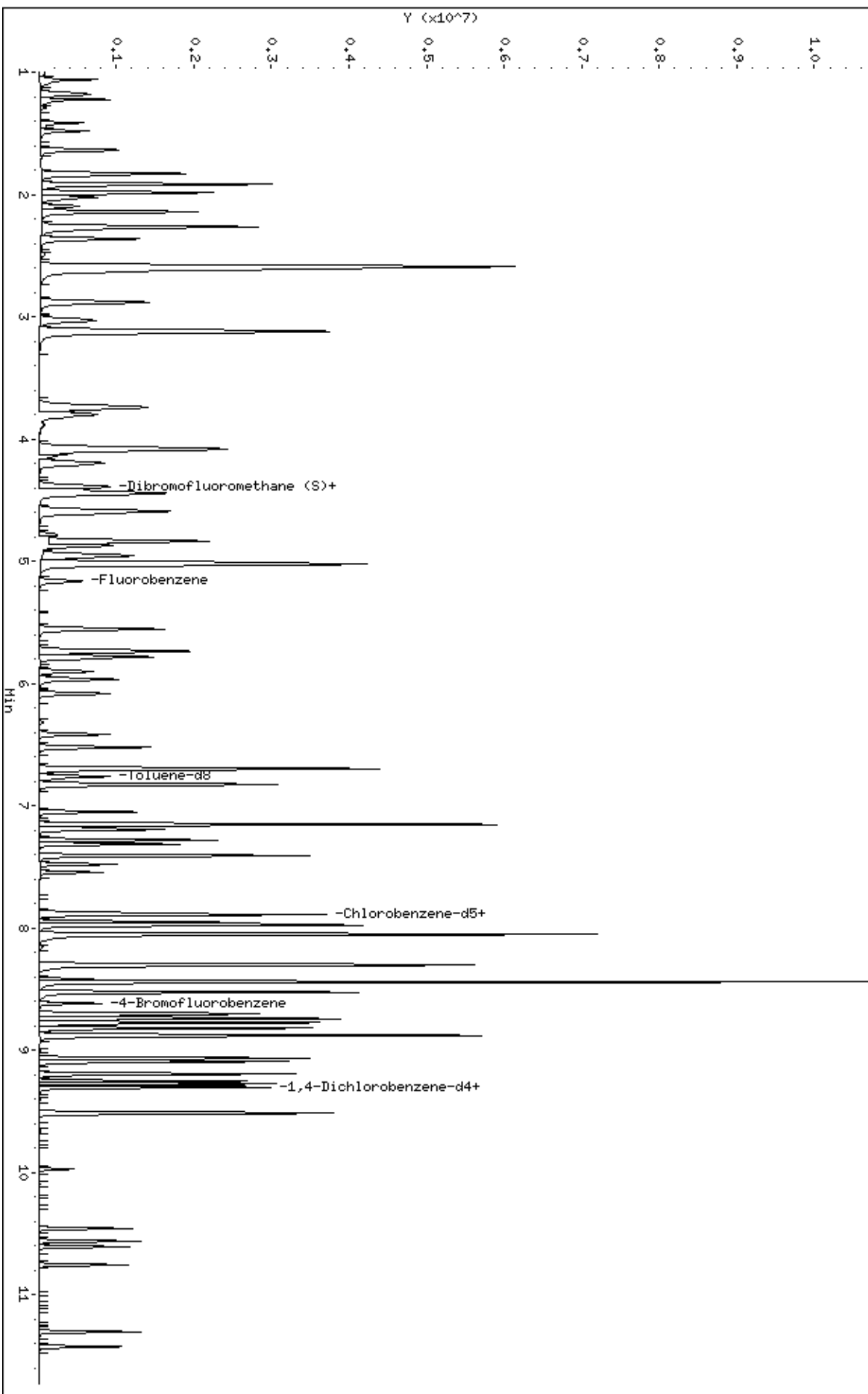
Review Codes Legend

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Date: 25-JUN-2014 21:03
Client ID: 8260-ICW
Sample Info: 8260-ICW,71418:0
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50mw4b.1
Operator: rsu
Column diameter: 0.18

\\192.168.50.6\chem\50mw4b.1\B062514cal.1\k111iov.d



Date : 25-JUN-2014 21:03

Client ID: 8260-ICV

Instrument: 50mv4b.i

Sample Info: 8260-ICV,71418:0

Purge Volume: 5.0

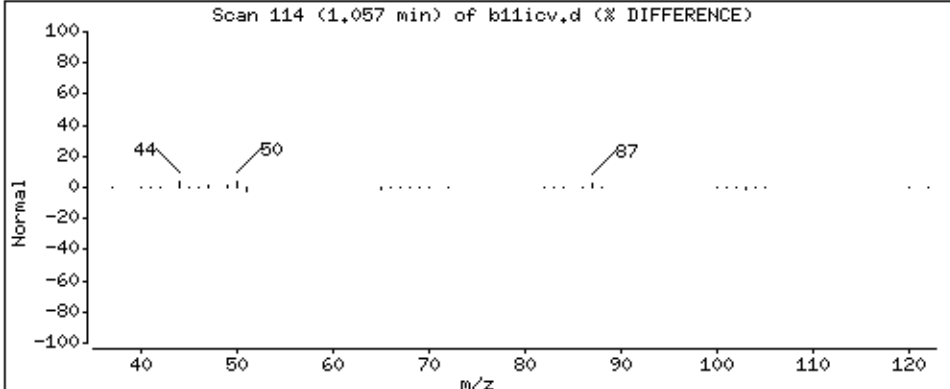
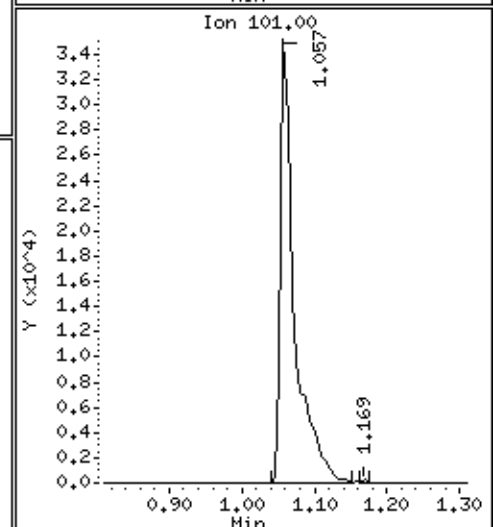
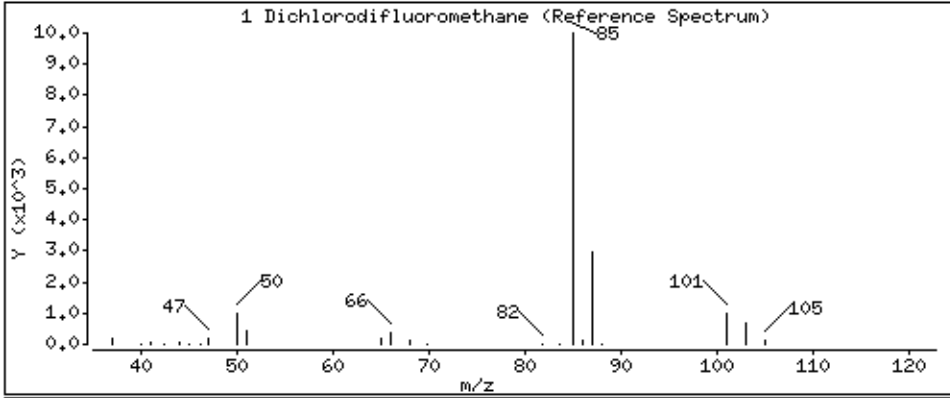
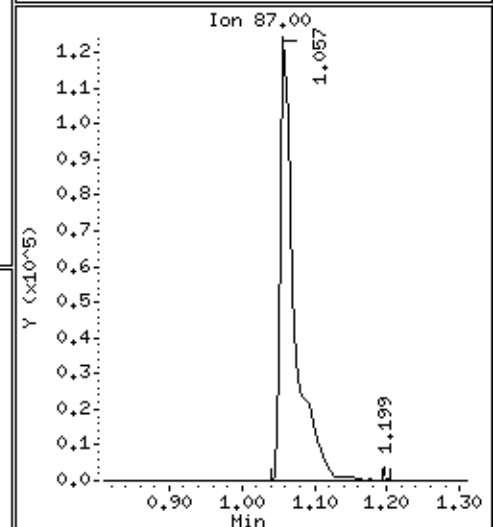
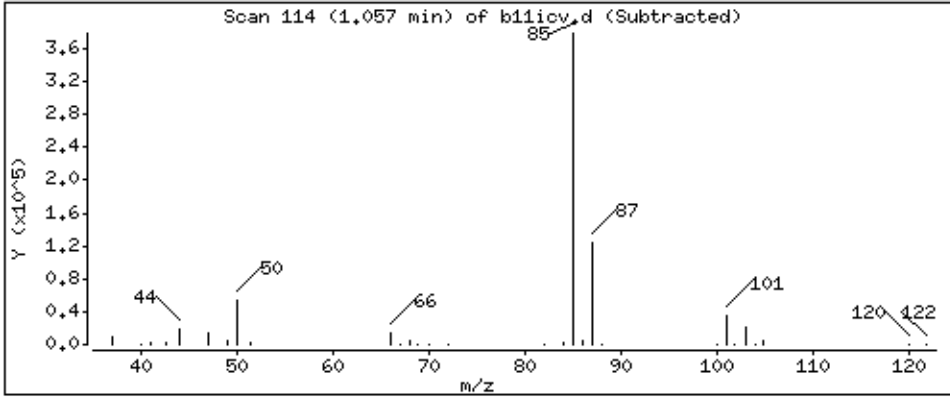
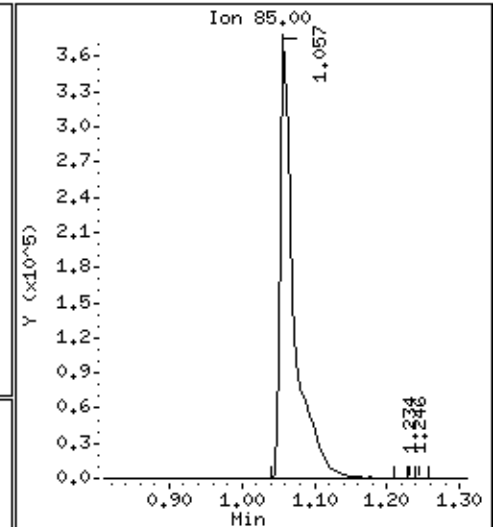
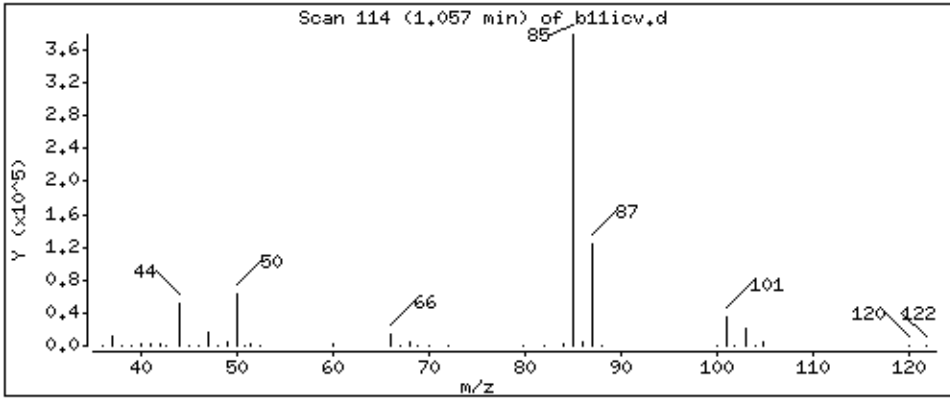
Operator: rsw

Column phase: DB-624

Column diameter: 0,18

1 Dichlorodifluoromethane

Concentration: 48,0 ppb



Date : 25-JUN-2014 21:03

Client ID: 8260-ICV

Instrument: 50mv4b.i

Sample Info: 8260-ICV,71418:0

Purge Volume: 5.0

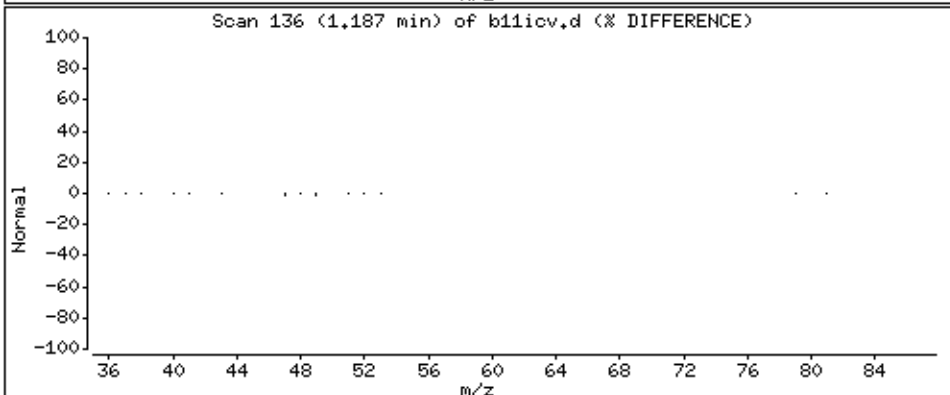
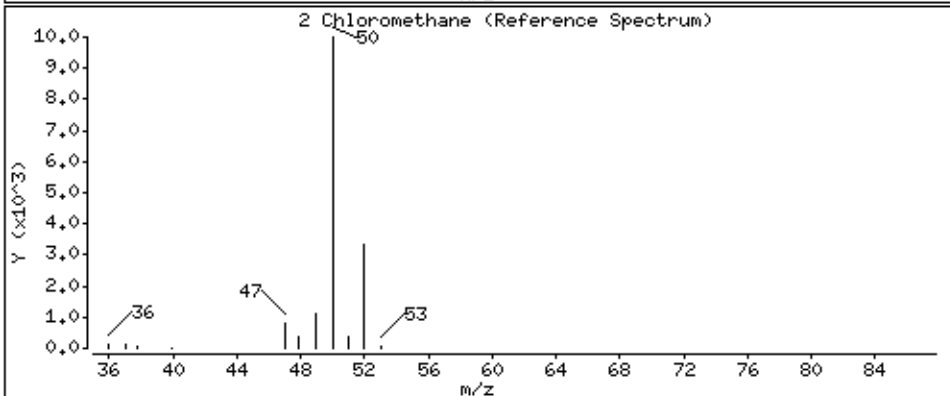
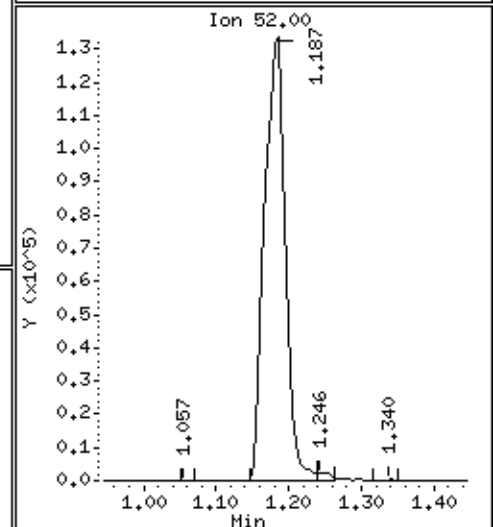
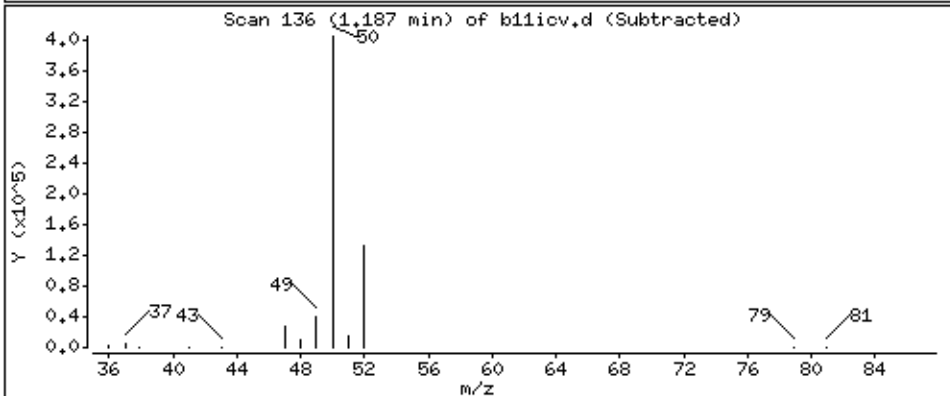
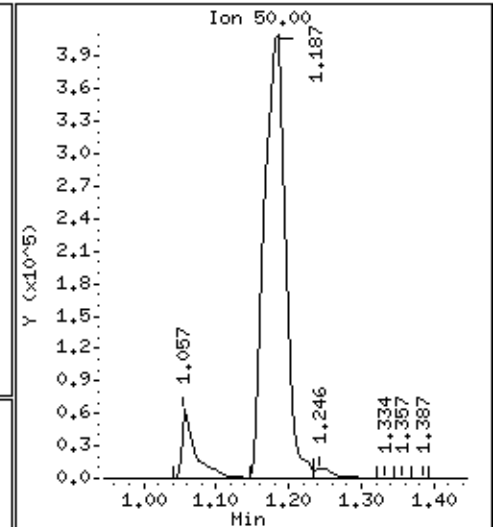
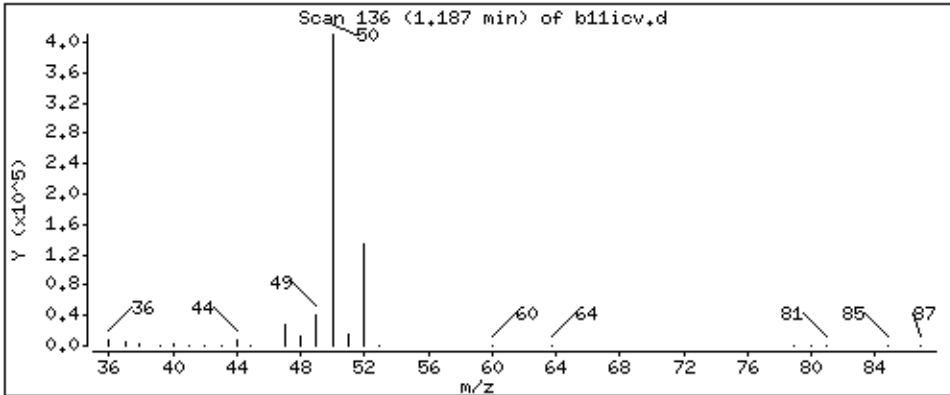
Operator: rsw

Column phase: DB-624

Column diameter: 0,18

2 Chloromethane

Concentration: 48,3 ppb



Date : 25-JUN-2014 21:03

Client ID: 8260-ICV

Instrument: 50mv4b.i

Sample Info: 8260-ICV,71418:0

Purge Volume: 5.0

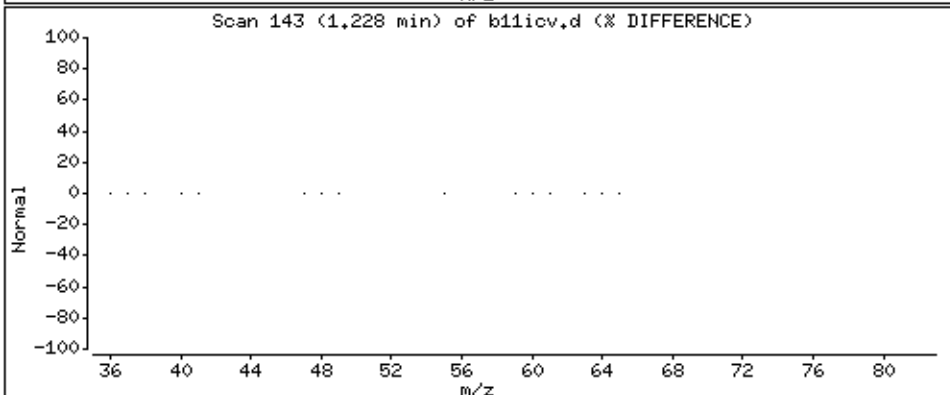
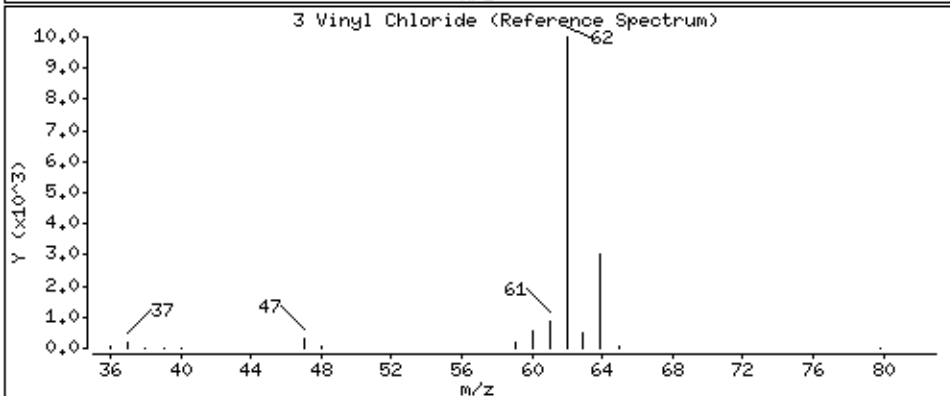
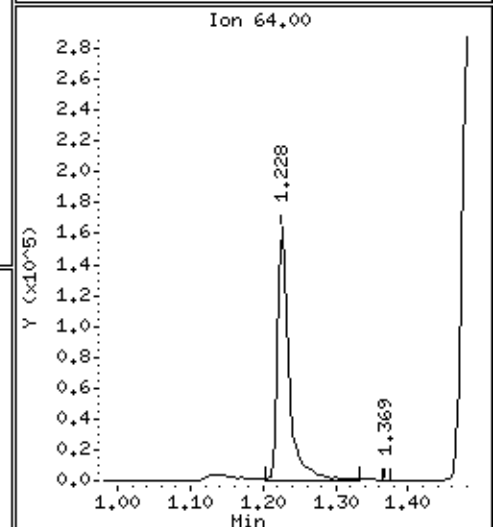
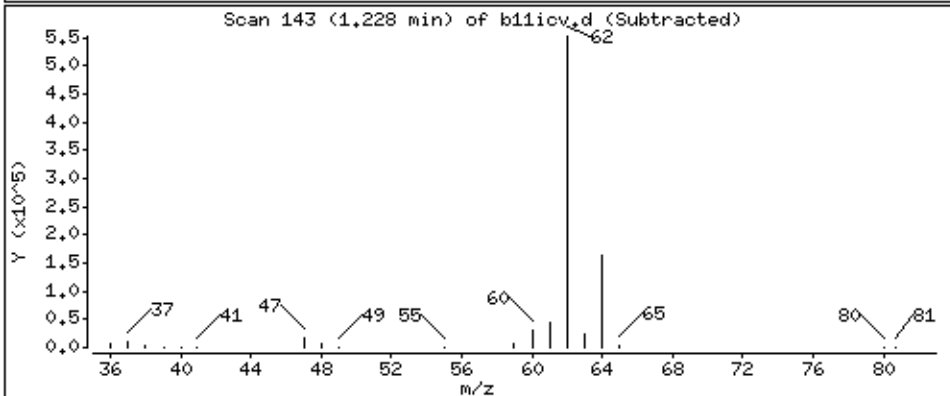
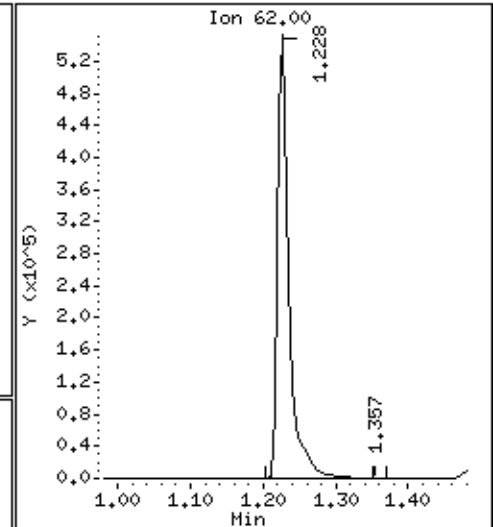
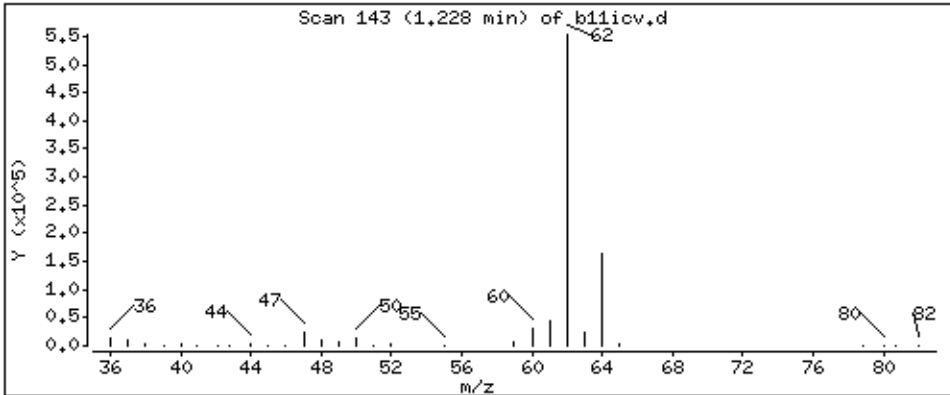
Operator: rsw

Column phase: DB-624

Column diameter: 0,18

3 Vinyl Chloride

Concentration: 50,0 ppb



Date : 25-JUN-2014 21:03

Client ID: 8260-ICV

Instrument: 50mv4b.i

Sample Info: 8260-ICV,71418:0

Purge Volume: 5.0

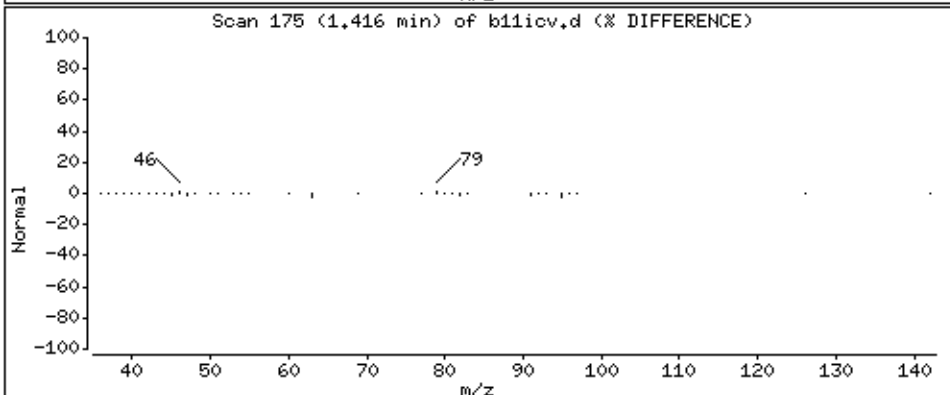
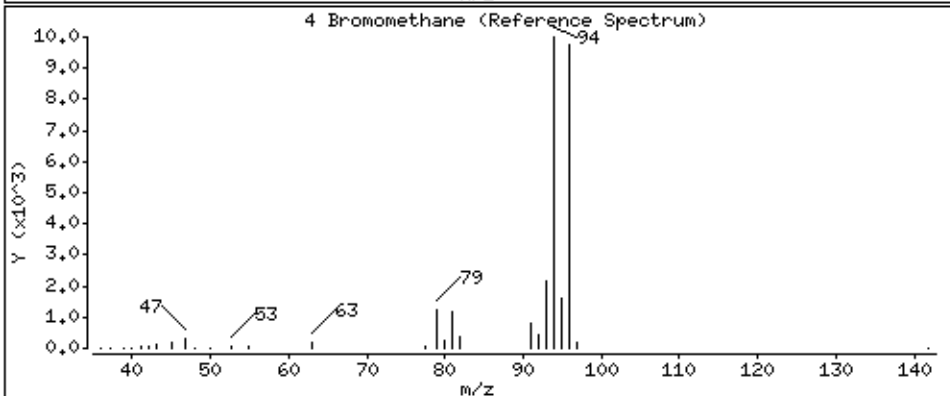
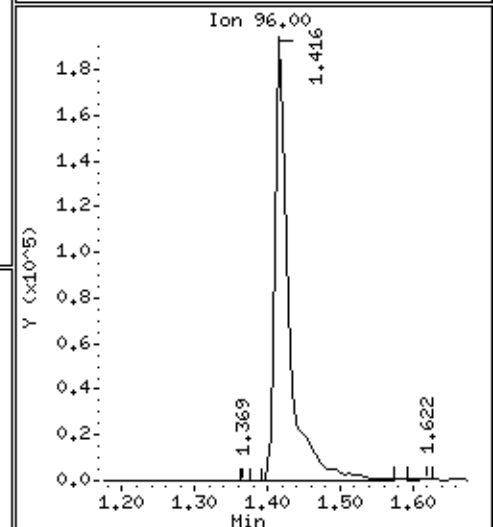
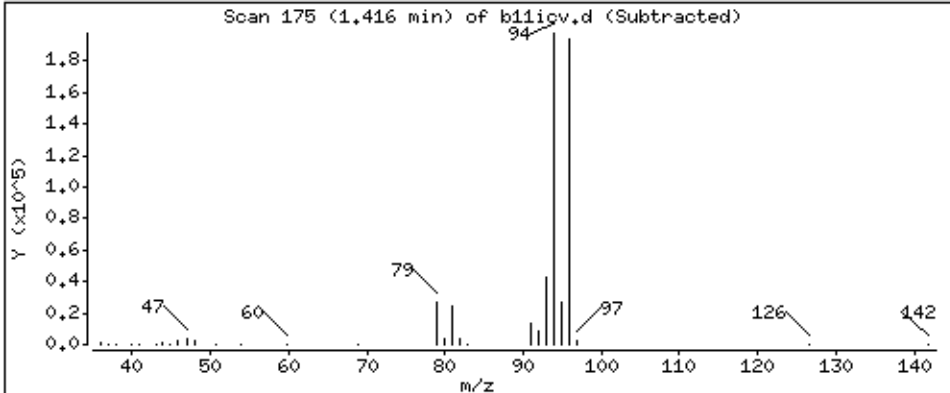
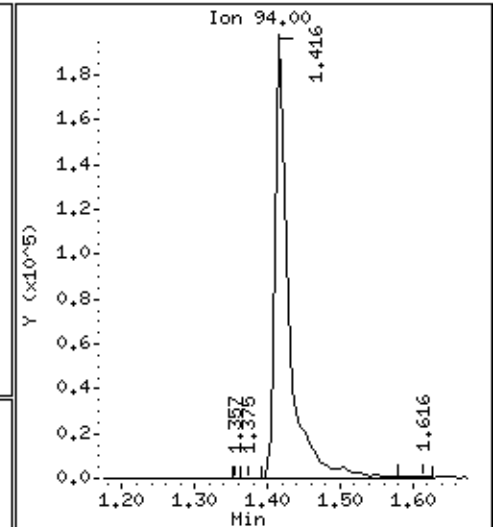
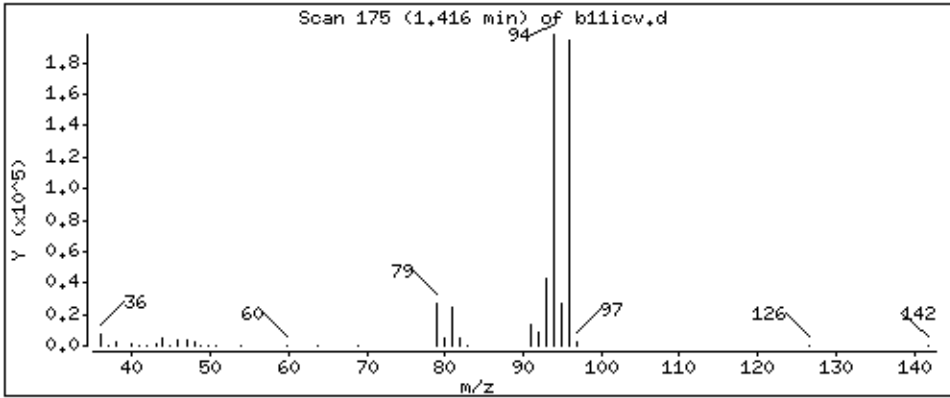
Operator: rsw

Column phase: DB-624

Column diameter: 0,18

4 Bromomethane

Concentration: 74,8 ppb



Date : 25-JUN-2014 21:03

Client ID: 8260-ICV

Instrument: 50mv4b.i

Sample Info: 8260-ICV,71418:0

Purge Volume: 5.0

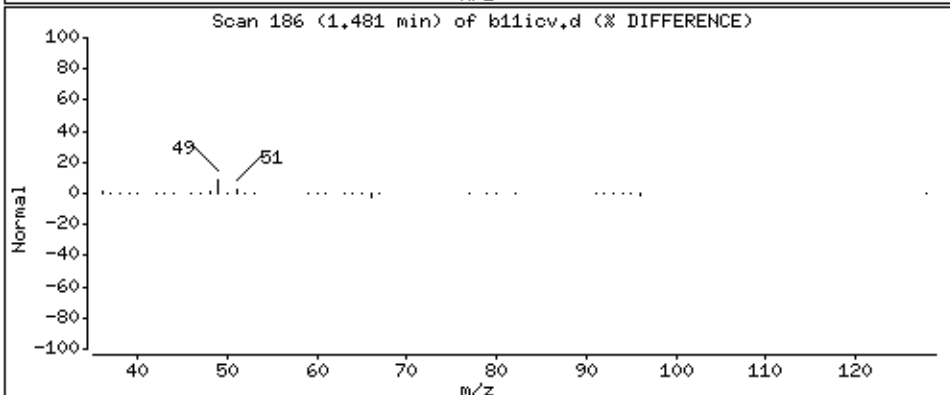
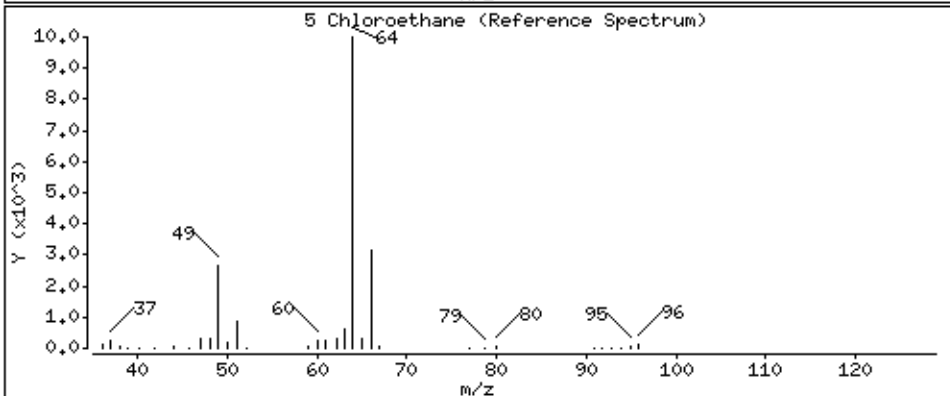
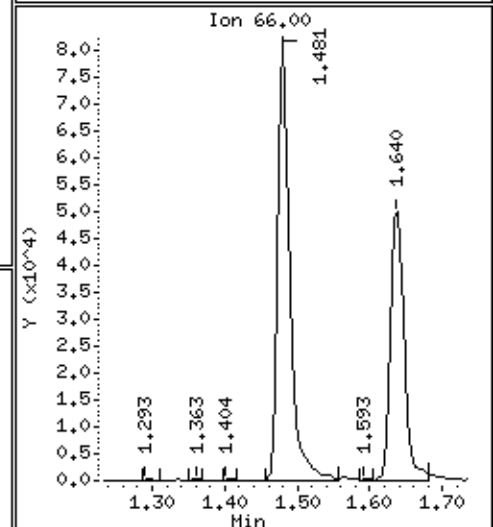
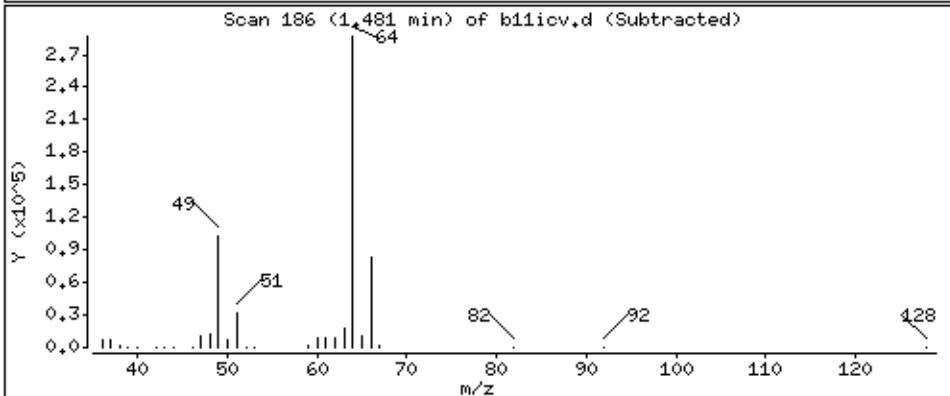
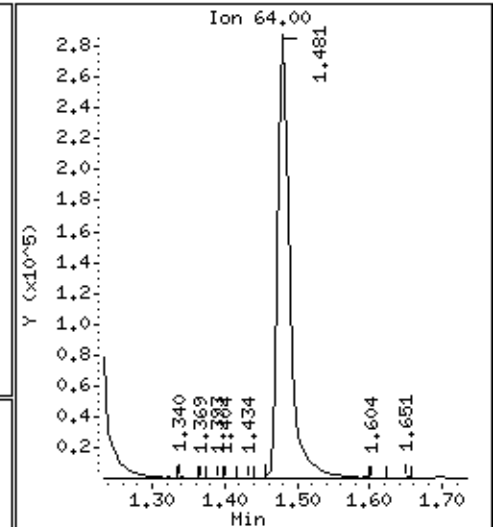
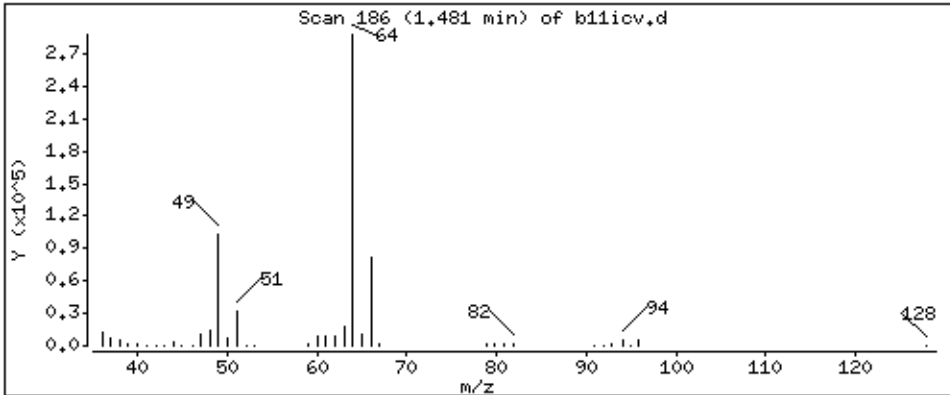
Operator: rsw

Column phase: DB-624

Column diameter: 0,18

5 Chloroethane

Concentration: 47.4 ppb



Date : 25-JUN-2014 21:03

Client ID: 8260-ICV

Instrument: 50mv4b.i

Sample Info: 8260-ICV,71418:0

Purge Volume: 5.0

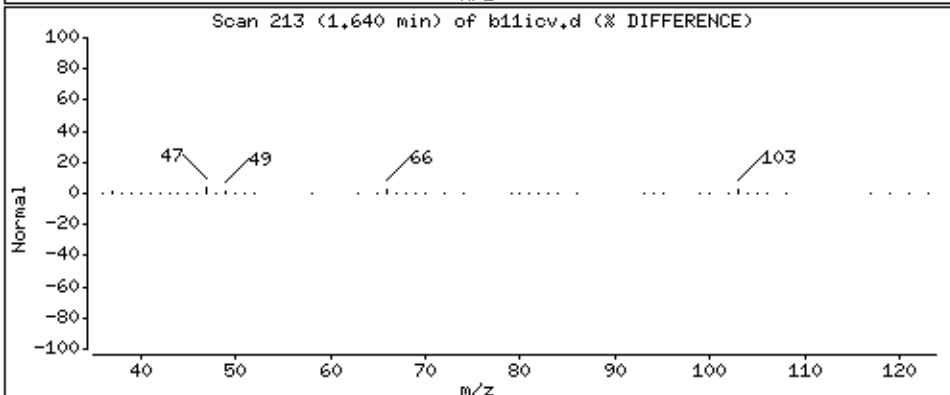
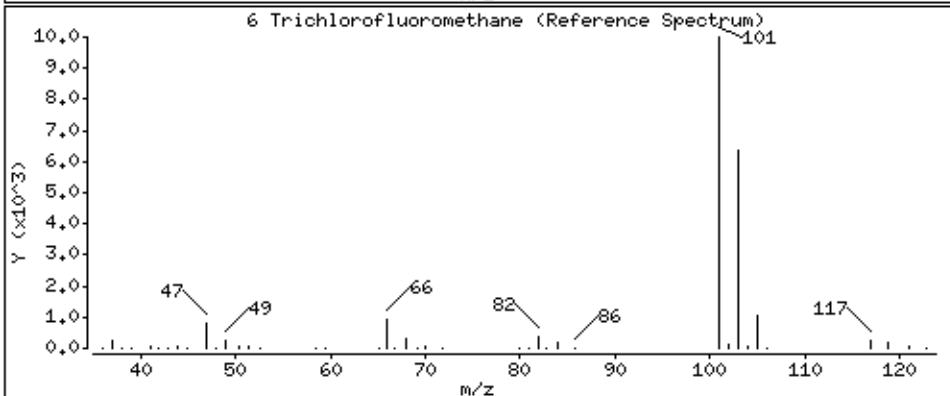
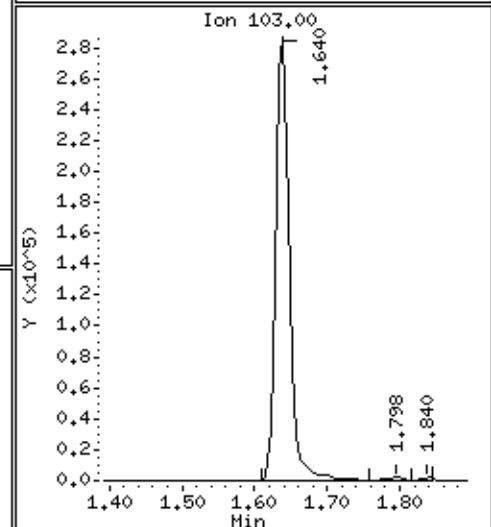
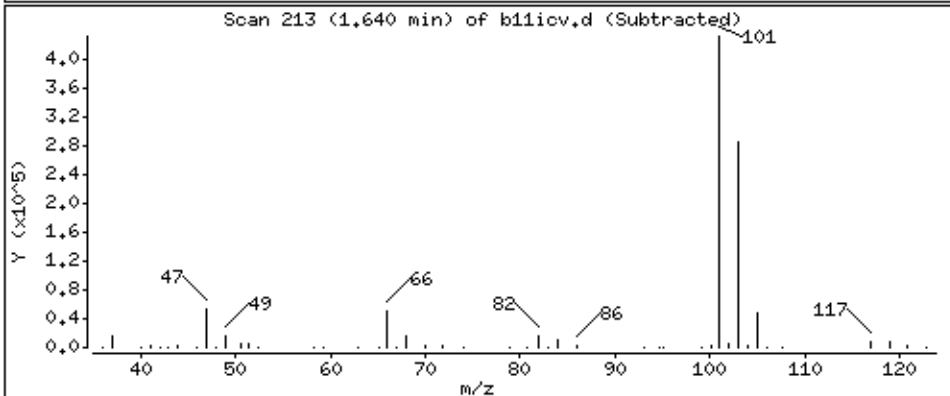
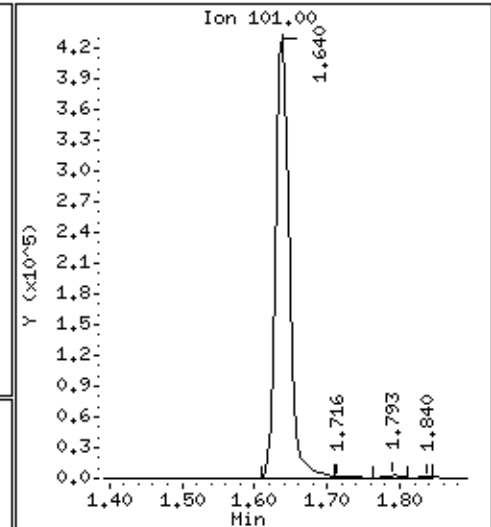
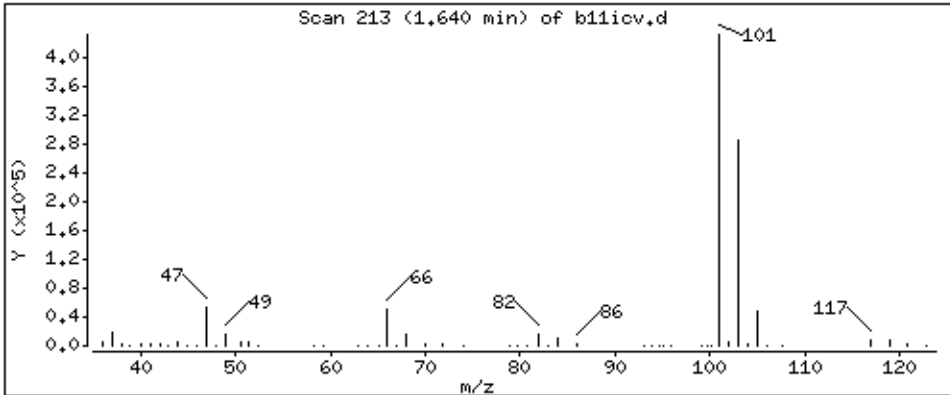
Operator: rsw

Column phase: DB-624

Column diameter: 0,18

6 Trichlorofluoromethane

Concentration: 45,6 ppb



Date : 25-JUN-2014 21:03

Client ID: 8260-ICV

Instrument: 50mv4b.i

Sample Info: 8260-ICV,71418:0

Purge Volume: 5.0

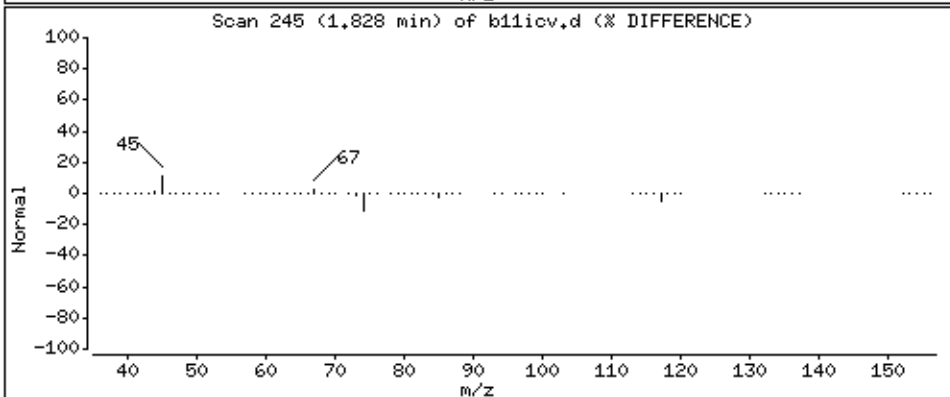
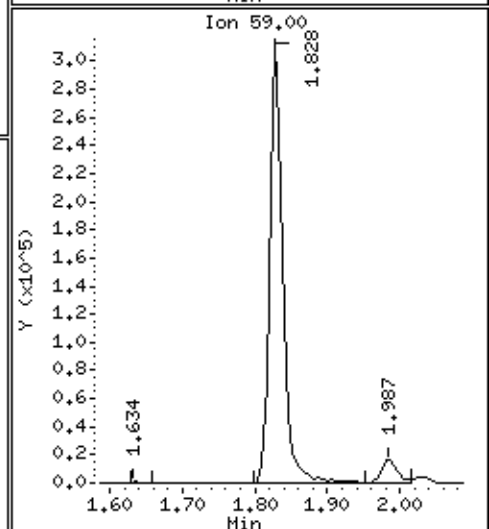
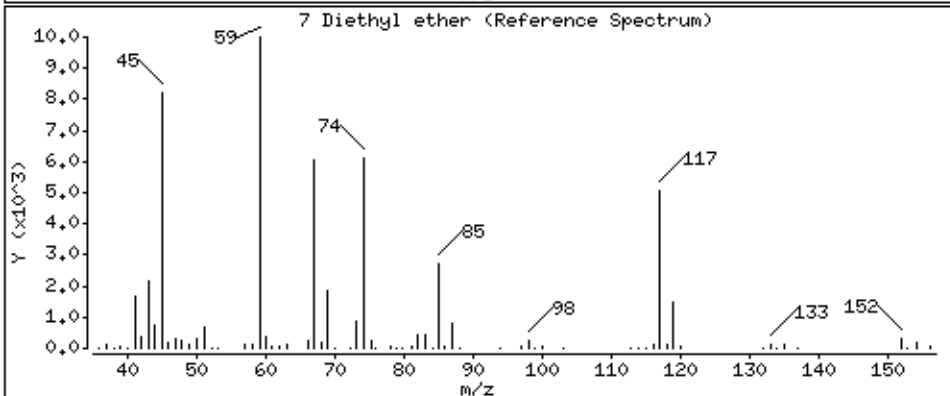
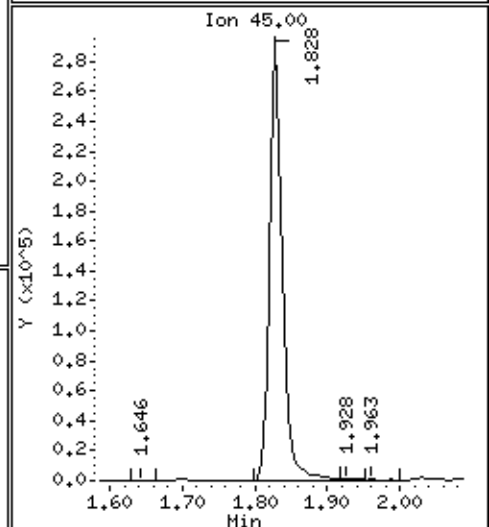
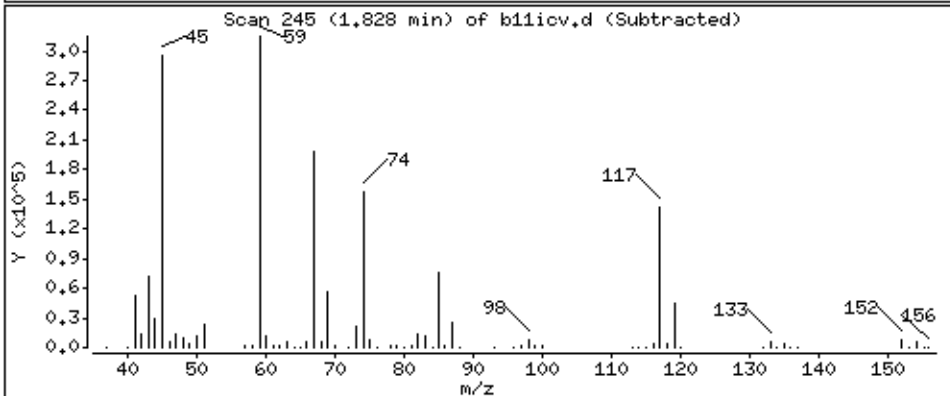
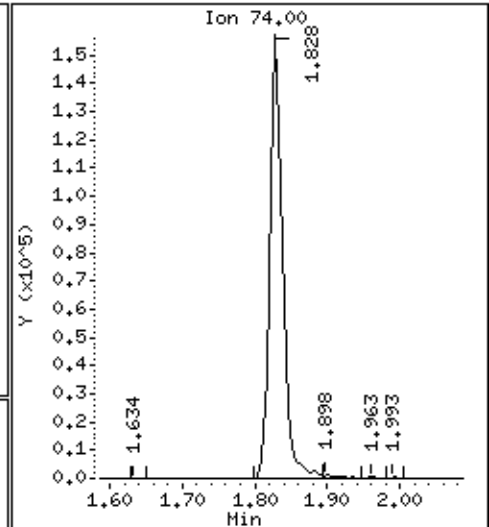
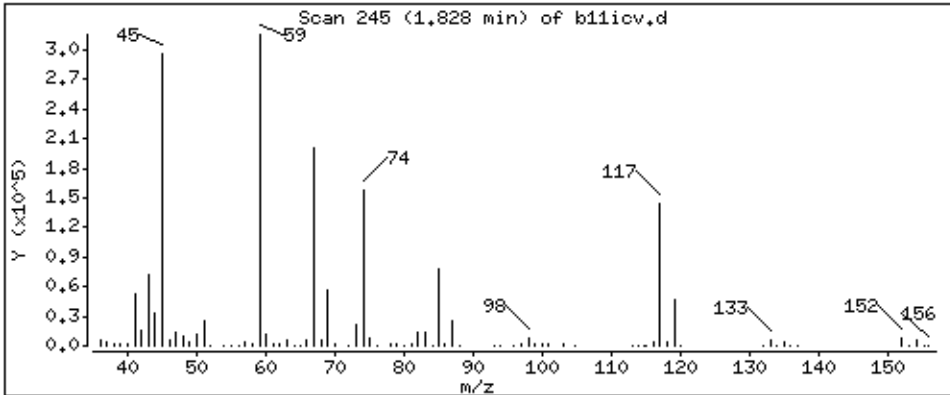
Operator: rsw

Column phase: DB-624

Column diameter: 0,18

7 Diethyl ether

Concentration: 52.3 ppb



Date : 25-JUN-2014 21:03

Client ID: 8260-ICV

Instrument: 50mv4b.i

Sample Info: 8260-ICV,71418:0

Purge Volume: 5.0

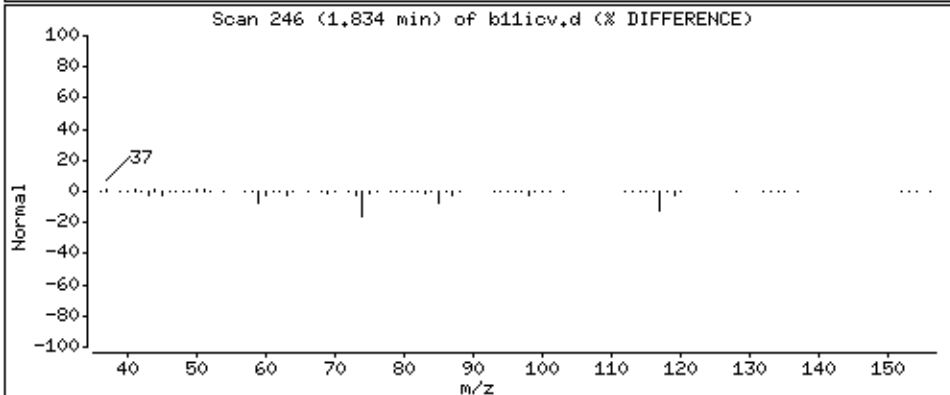
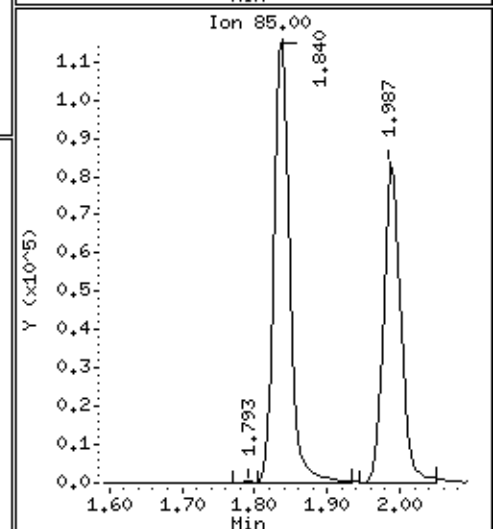
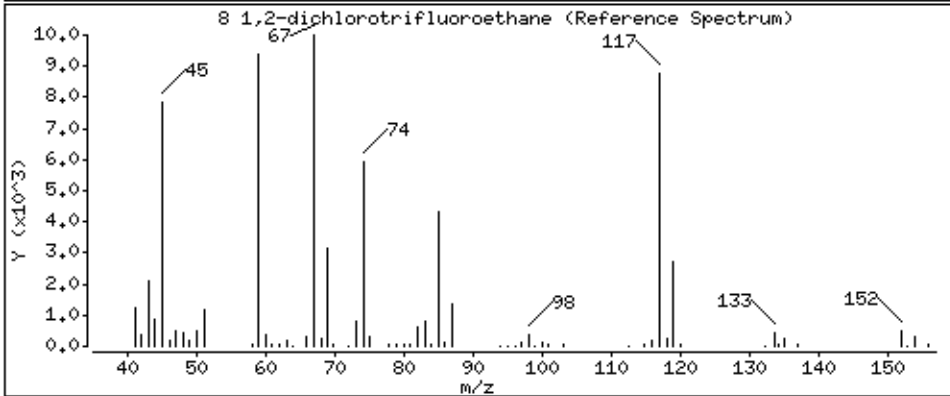
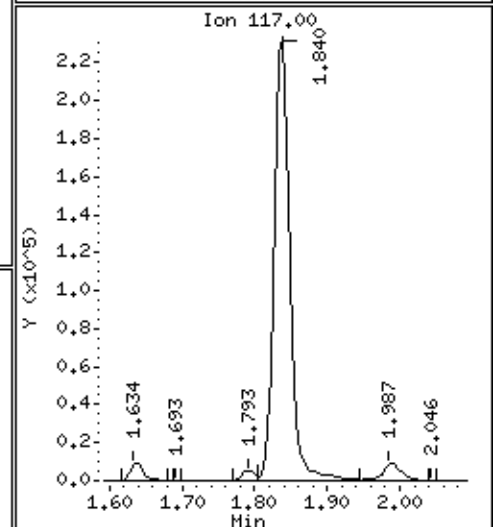
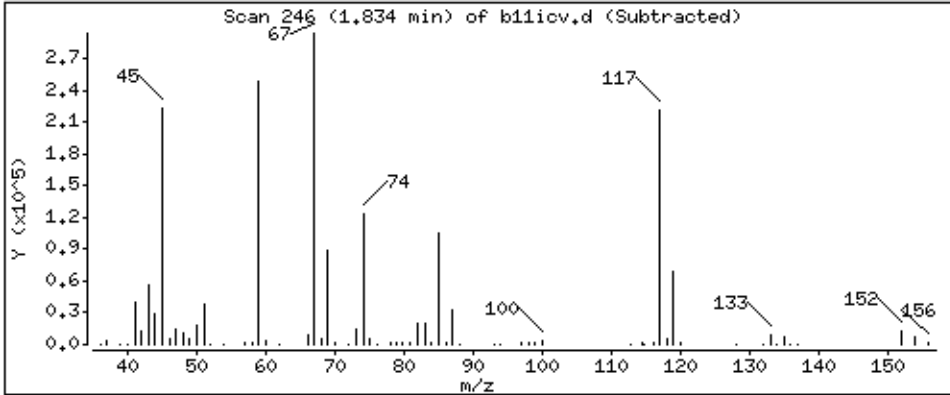
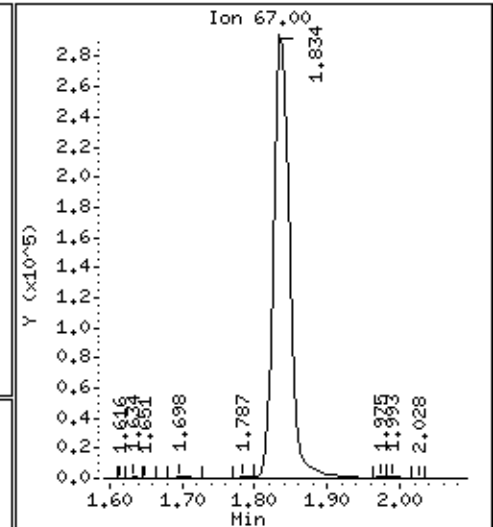
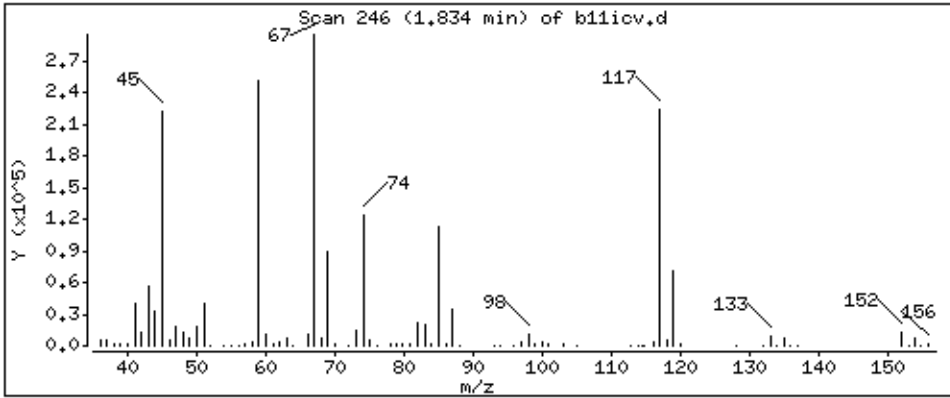
Operator: rsw

Column phase: DB-624

Column diameter: 0,18

8 1,2-dichlorotrifluoroethane

Concentration: 50,4 ppb



Date : 25-JUN-2014 21:03

Client ID: 8260-ICV

Instrument: 50mv4b.i

Sample Info: 8260-ICV,71418:0

Purge Volume: 5.0

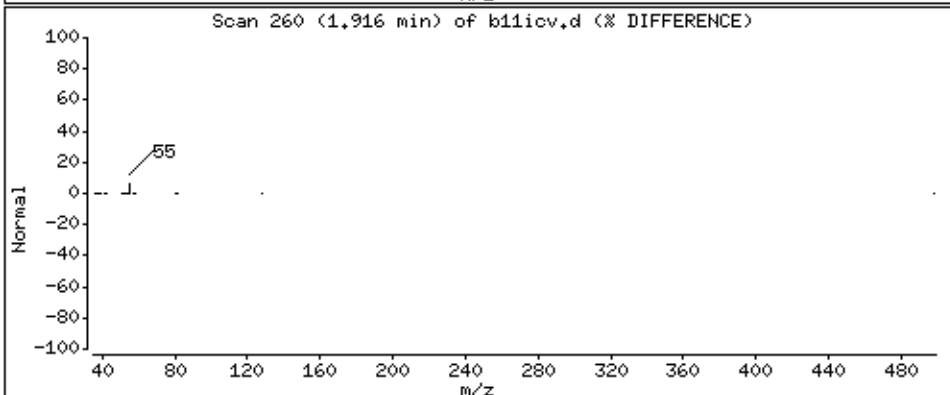
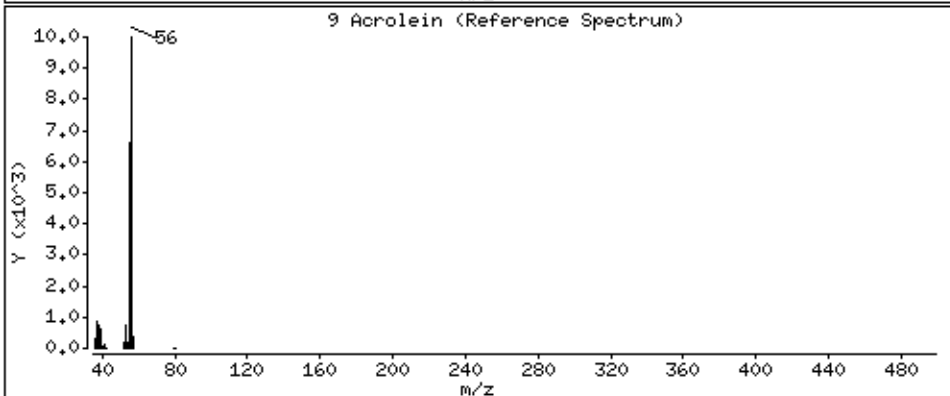
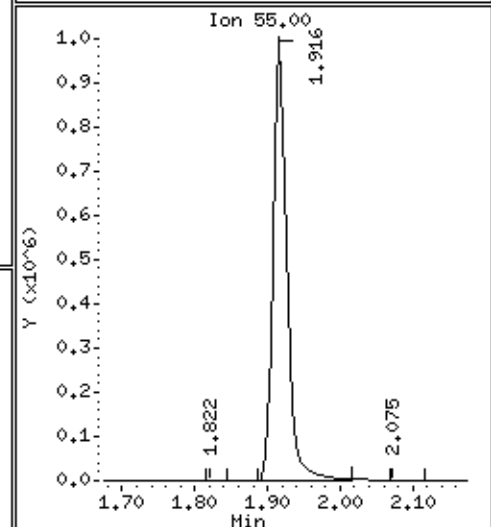
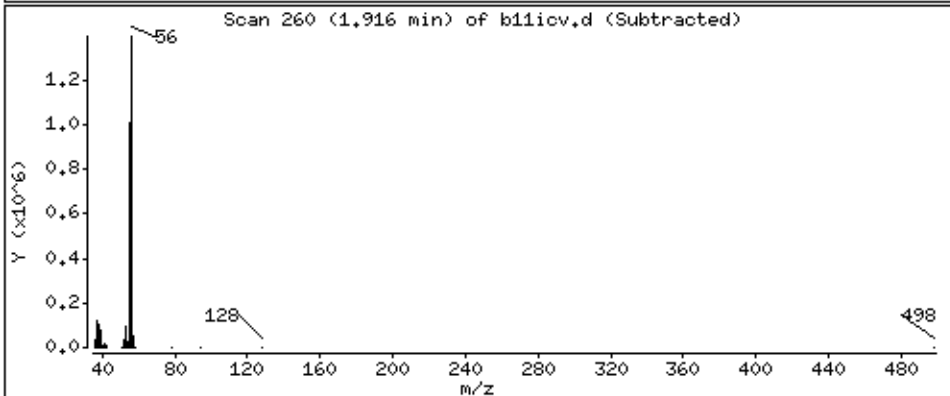
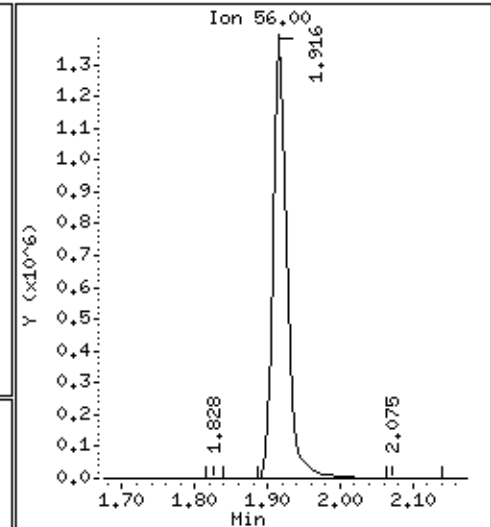
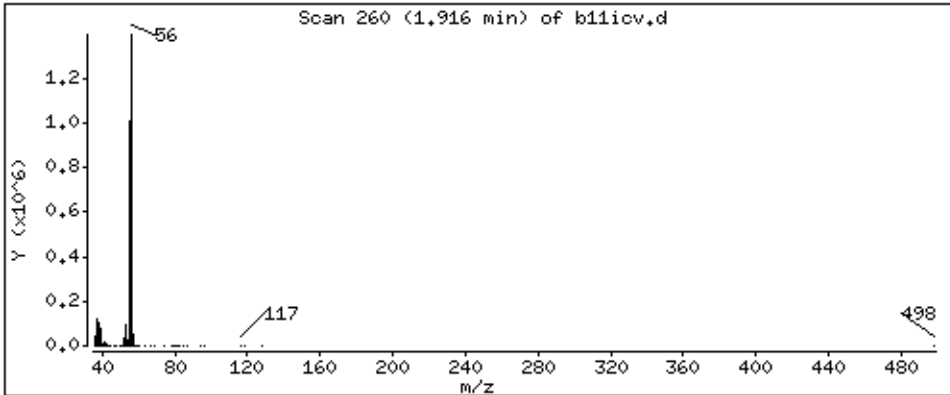
Operator: rsw

Column phase: DB-624

Column diameter: 0,18

9 Acrolein

Concentration: 1010 ppb



Date : 25-JUN-2014 21:03

Client ID: 8260-ICV

Instrument: 50mv4b.i

Sample Info: 8260-ICV,71418:0

Purge Volume: 5.0

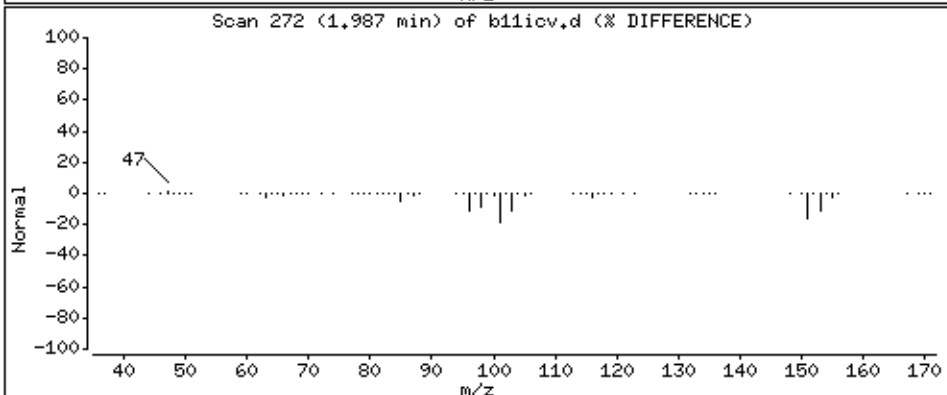
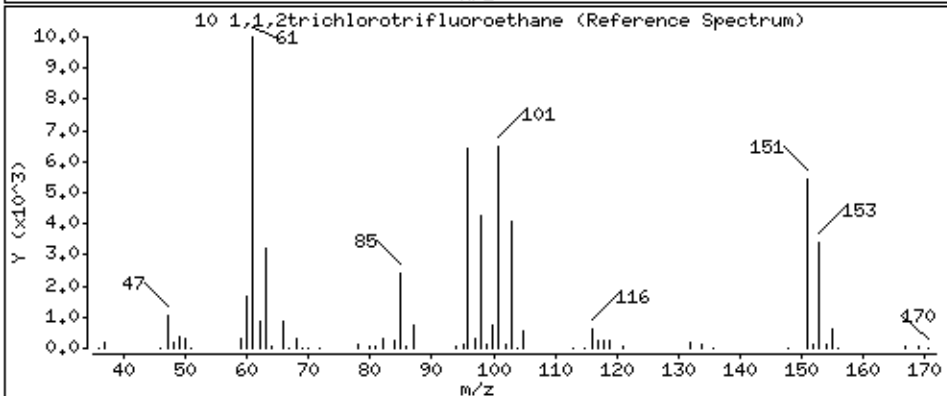
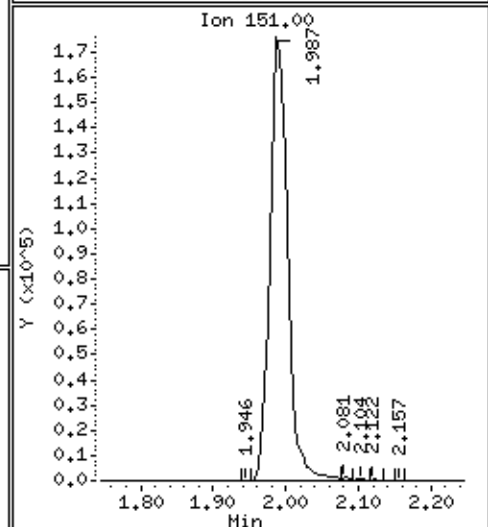
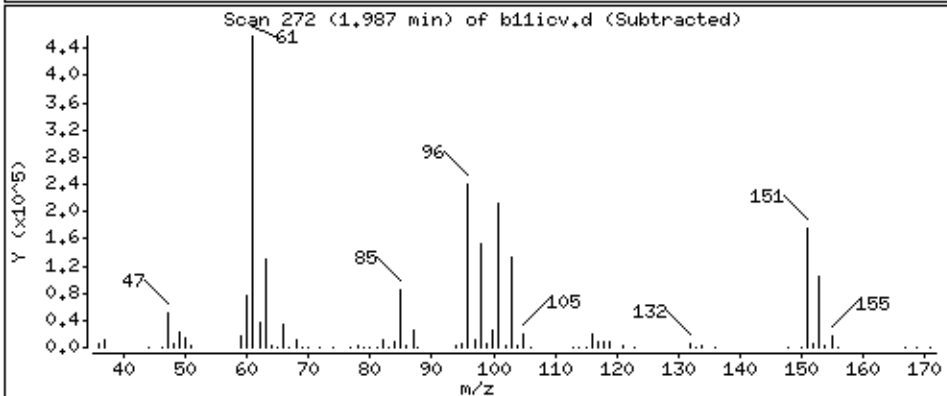
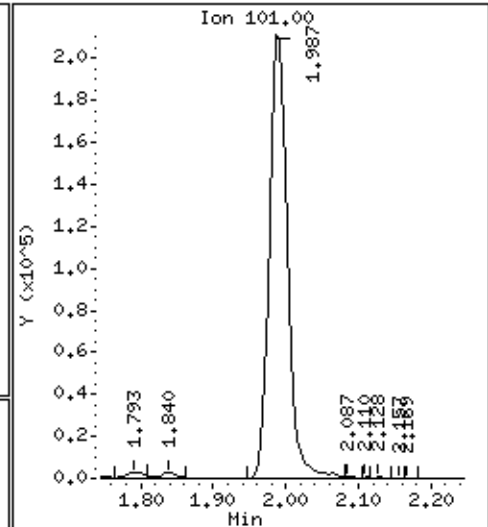
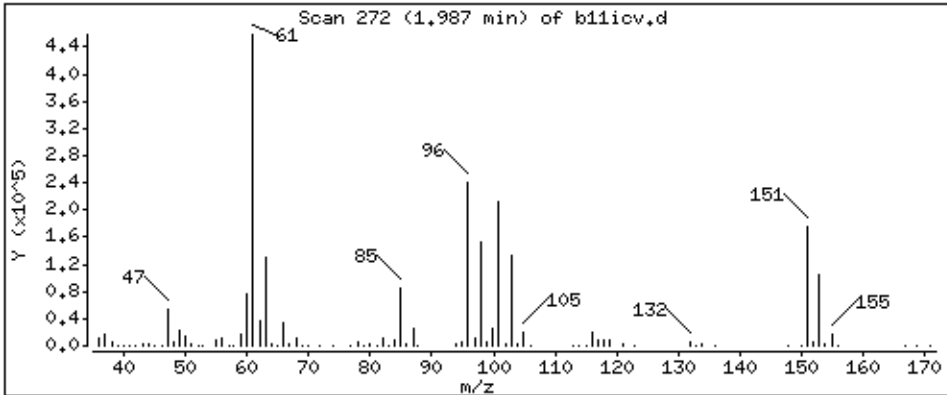
Operator: rsw

Column phase: DB-624

Column diameter: 0,18

10 1,1,2trichlorotrifluoroethane

Concentration: 51.9 ppb



Date : 25-JUN-2014 21:03

Client ID: 8260-ICV

Instrument: 50mv4b.i

Sample Info: 8260-ICV,71418:0

Purge Volume: 5.0

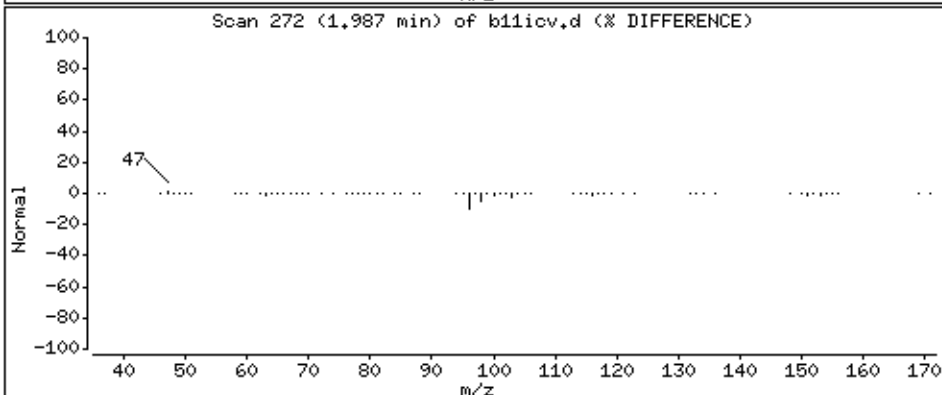
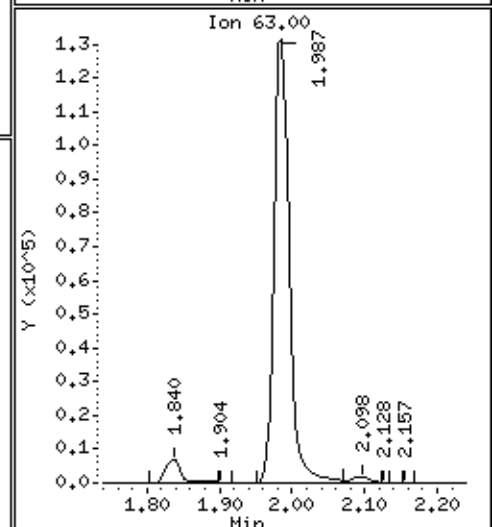
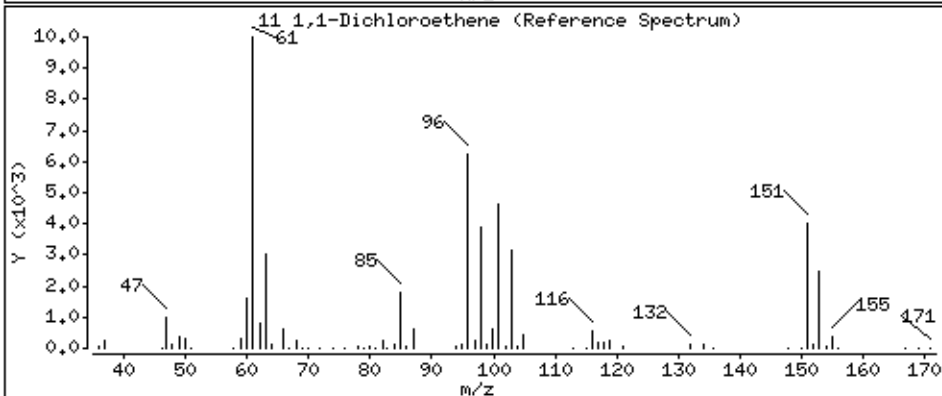
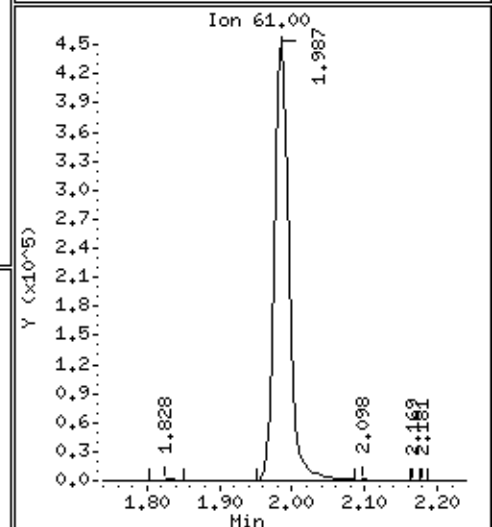
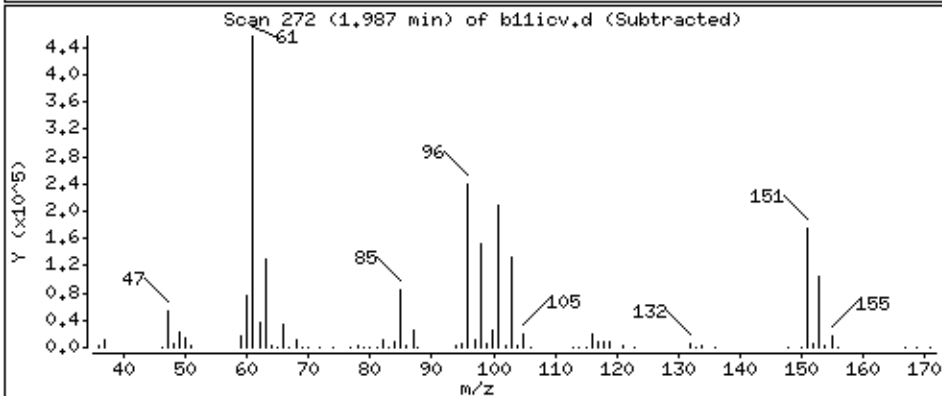
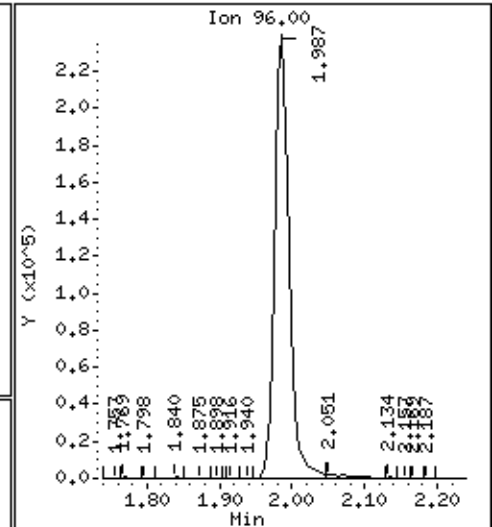
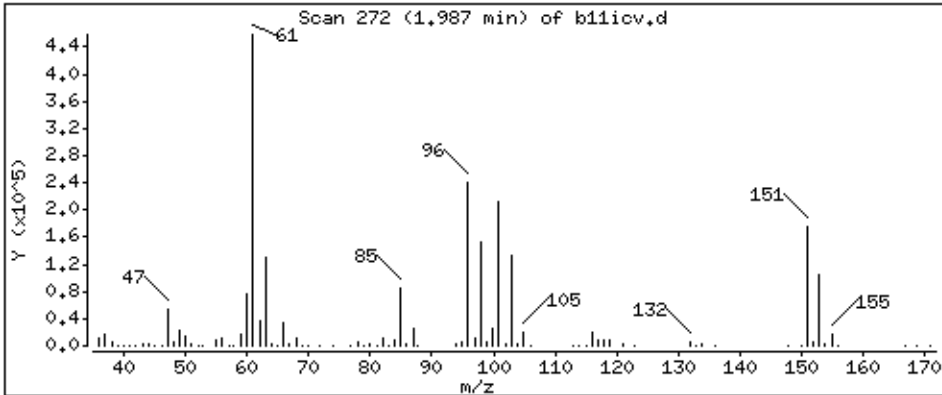
Operator: rsw

Column phase: DB-624

Column diameter: 0,18

11 1,1-Dichloroethene

Concentration: 49.9 ppb



Date : 25-JUN-2014 21:03

Client ID: 8260-ICV

Instrument: 50mv4b.i

Sample Info: 8260-ICV,71418:0

Purge Volume: 5.0

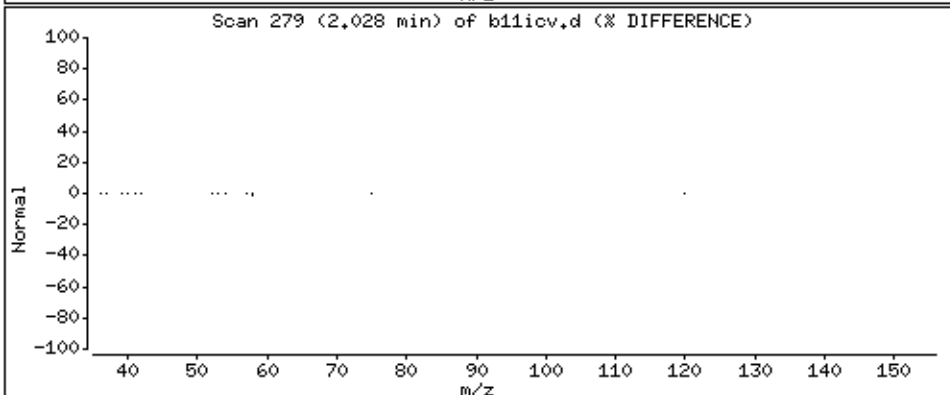
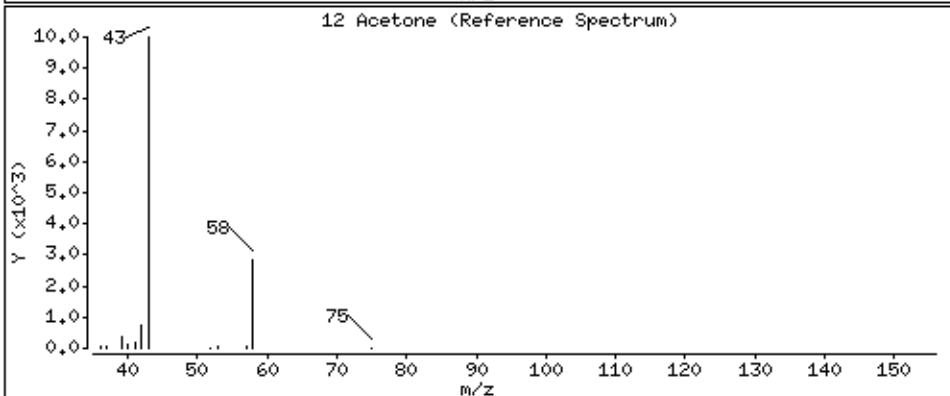
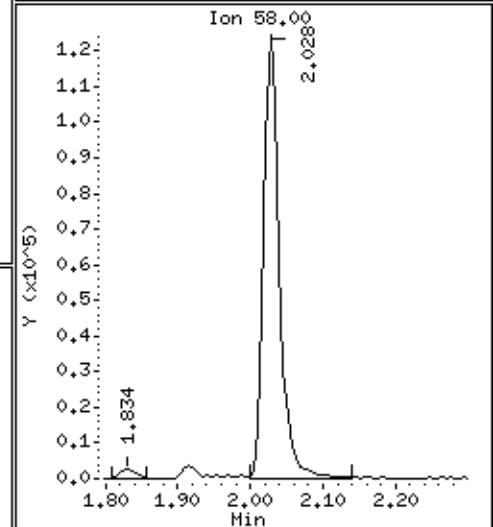
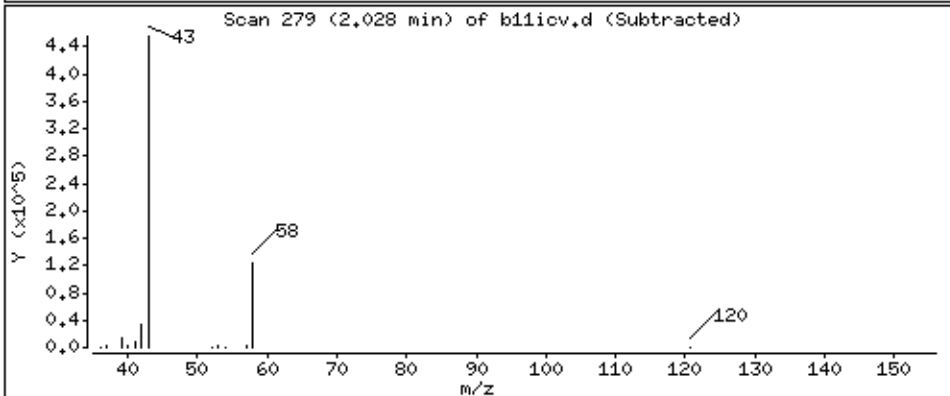
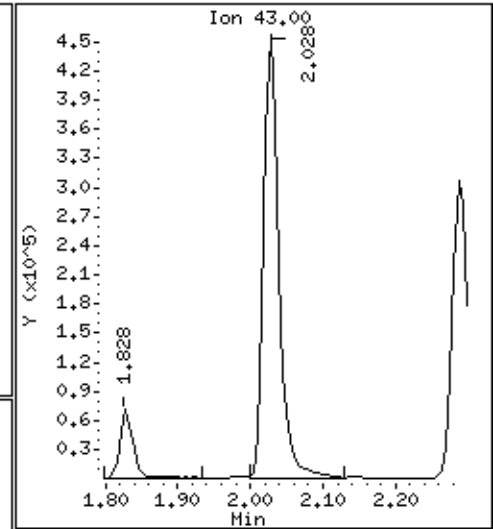
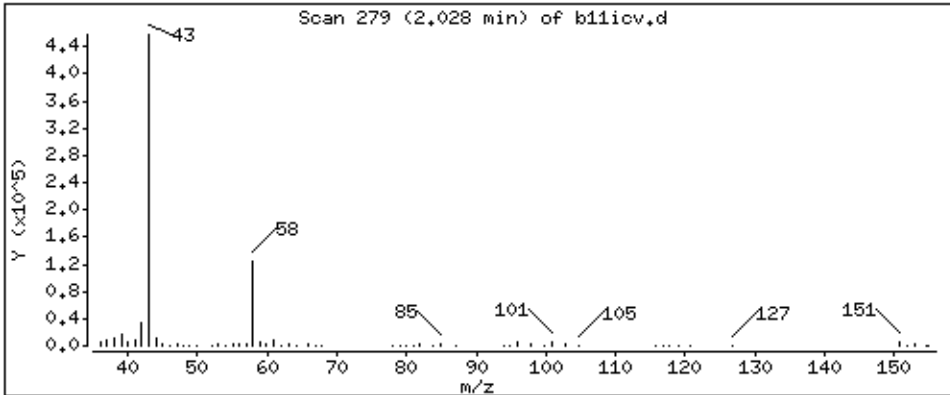
Operator: rsw

Column phase: DB-624

Column diameter: 0,18

12 Acetone

Concentration: 231 ppb



Date : 25-JUN-2014 21:03

Client ID: 8260-ICV

Instrument: 50mv4b.i

Sample Info: 8260-ICV,71418:0

Purge Volume: 5.0

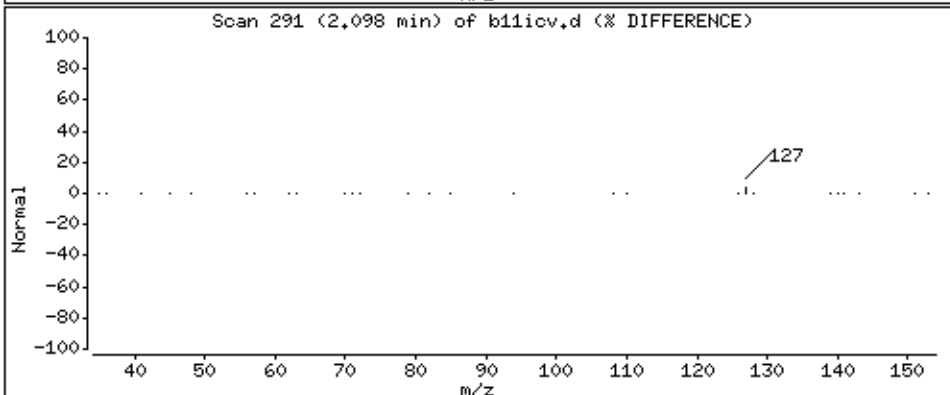
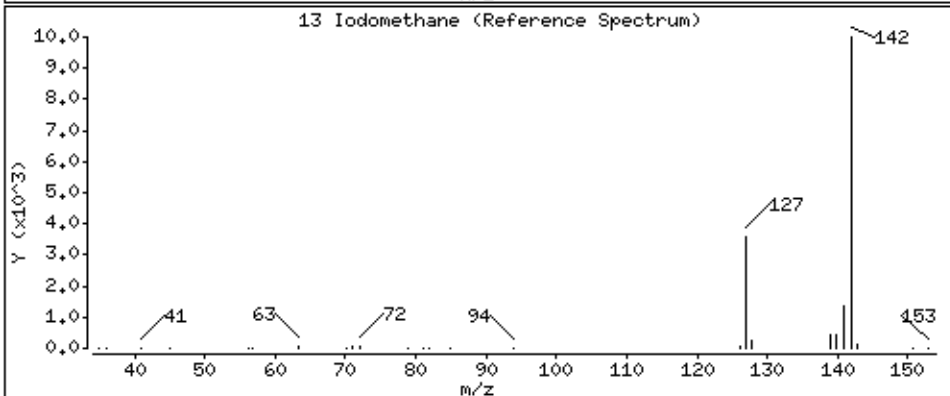
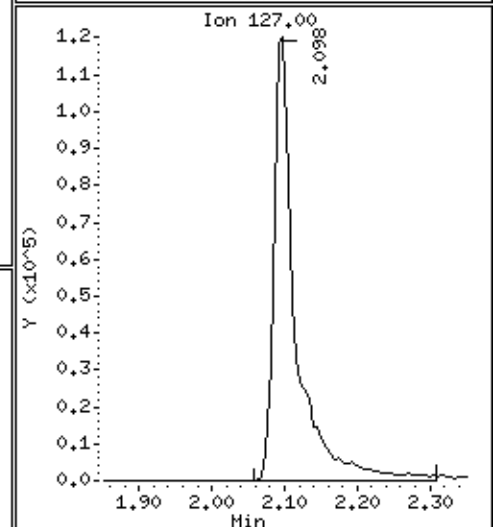
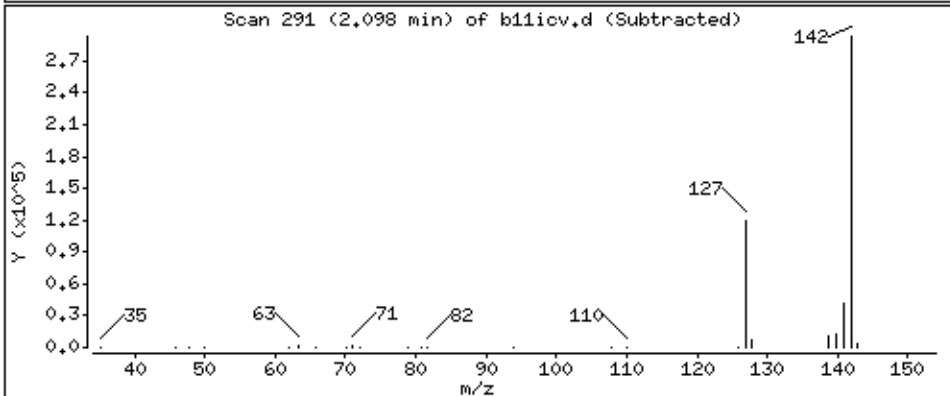
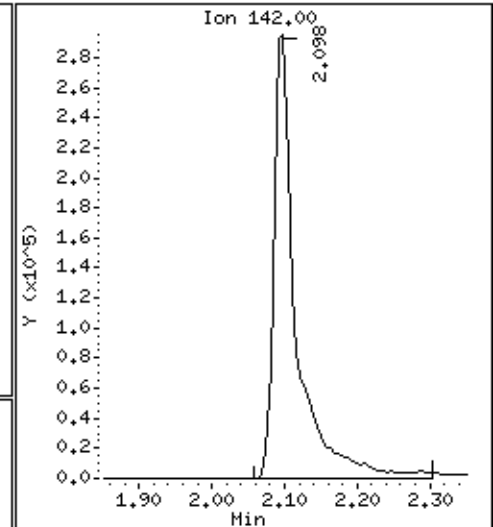
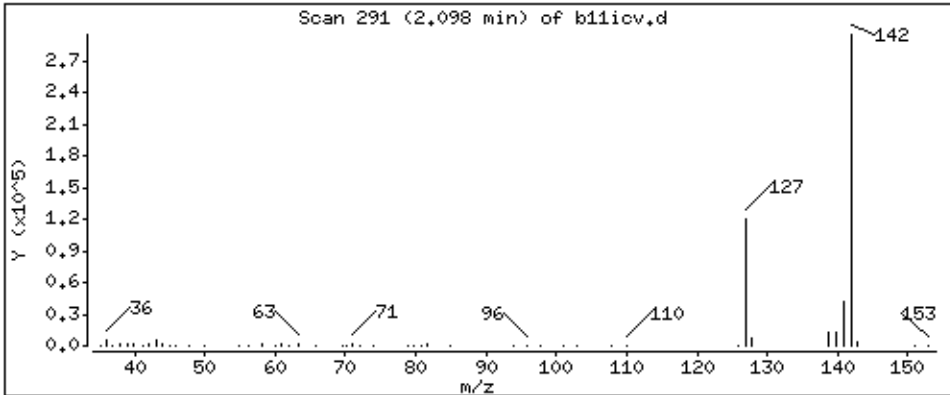
Operator: rsw

Column phase: DB-624

Column diameter: 0,18

13 Iodomethane

Concentration: 87,1 ppb



Date : 25-JUN-2014 21:03

Client ID: 8260-ICV

Instrument: 50mv4b.i

Sample Info: 8260-ICV,71418:0

Purge Volume: 5.0

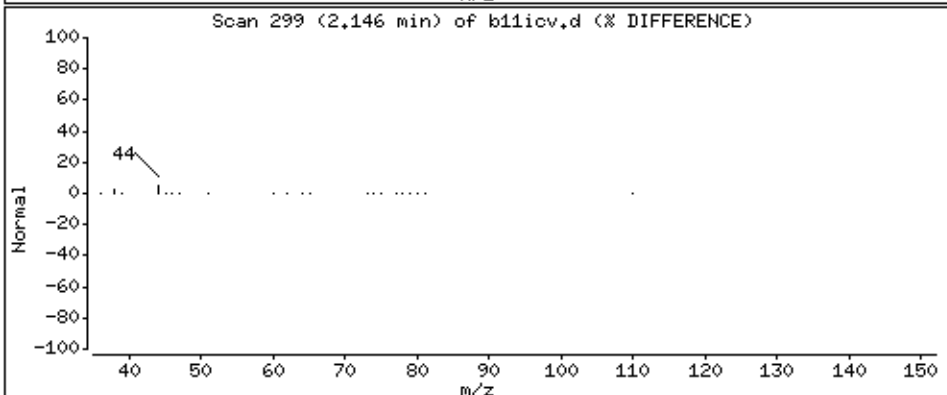
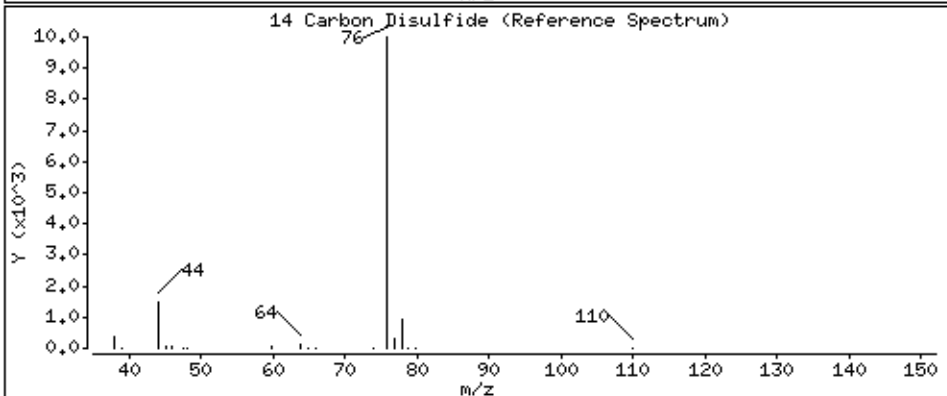
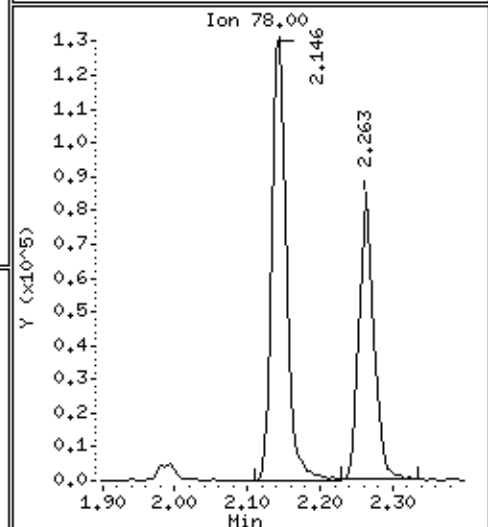
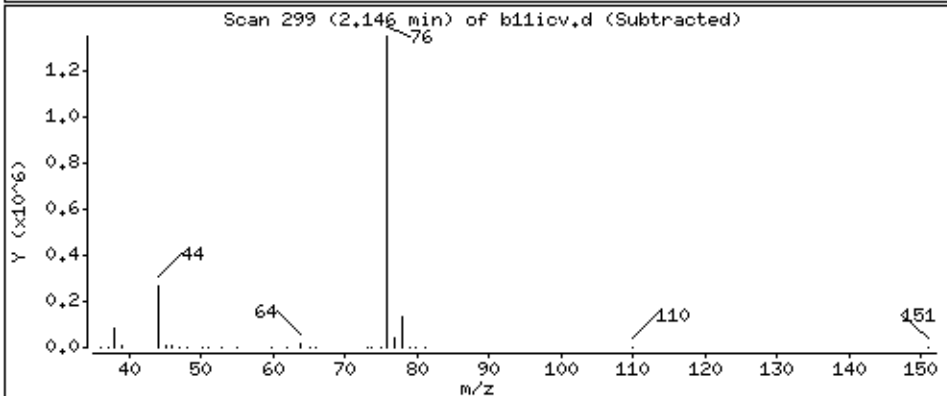
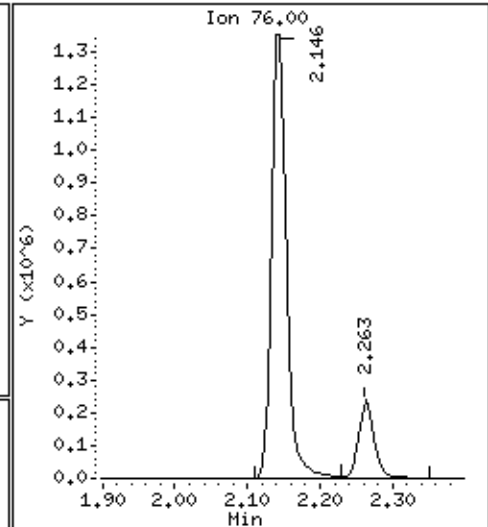
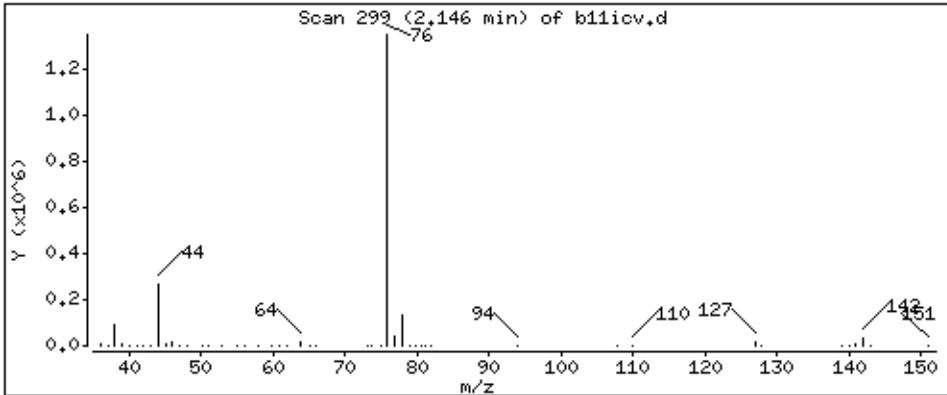
Operator: rsw

Column phase: DB-624

Column diameter: 0,18

14 Carbon Disulfide

Concentration: 113 ppb



Date : 25-JUN-2014 21:03

Client ID: 8260-ICV

Instrument: 50mv4b.i

Sample Info: 8260-ICV,71418:0

Purge Volume: 5.0

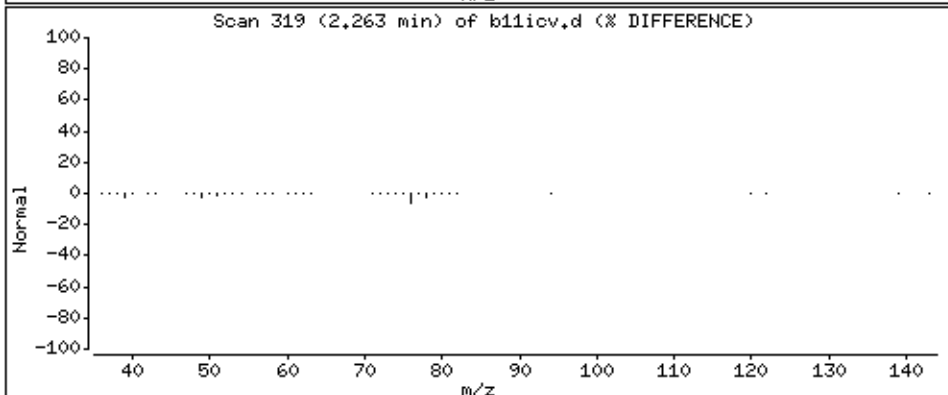
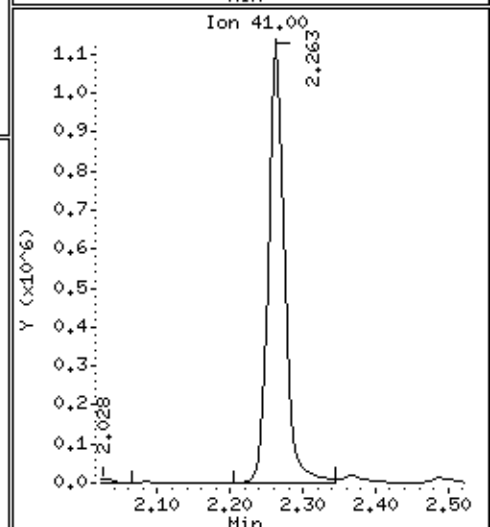
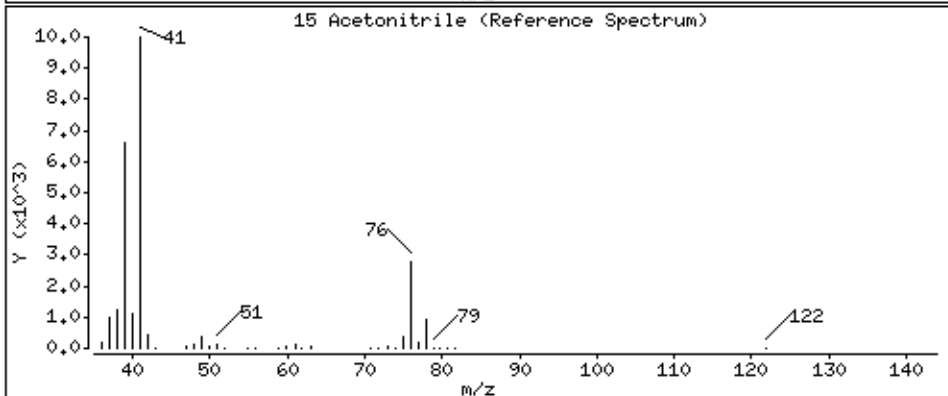
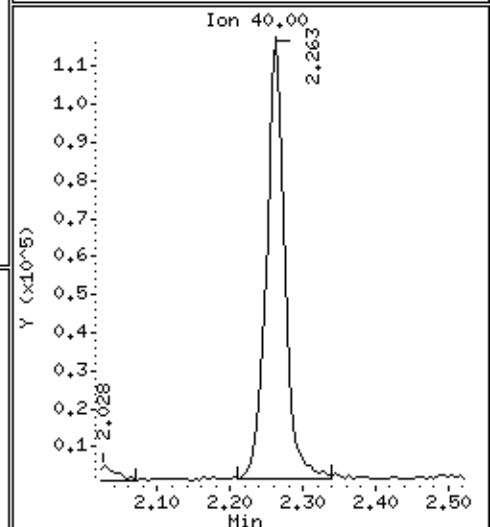
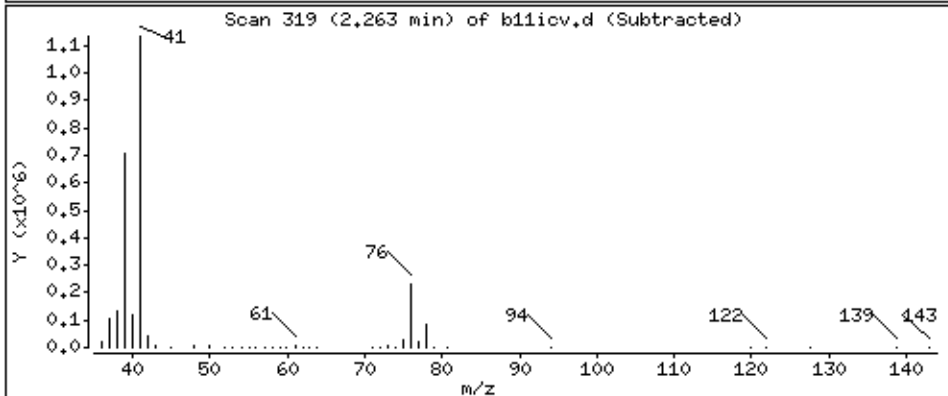
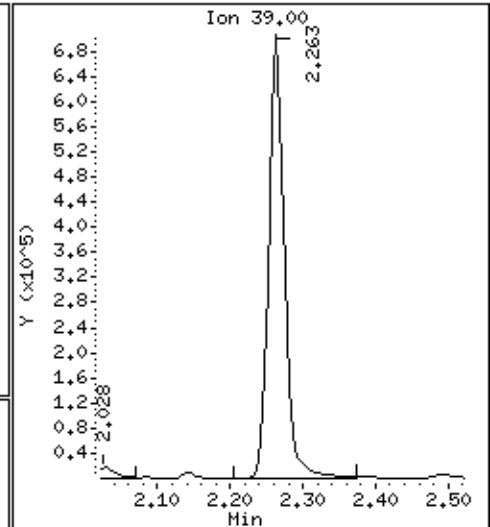
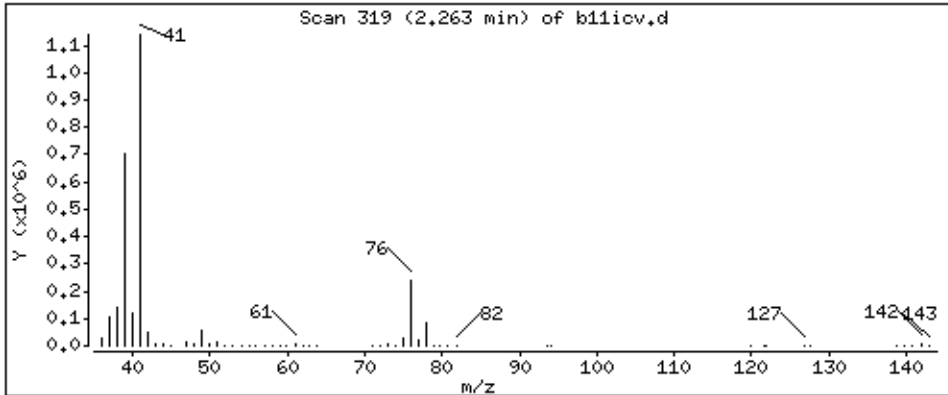
Operator: rsw

Column phase: DB-624

Column diameter: 0,18

15 Acetonitrile

Concentration: 52.1 ppb



Date : 25-JUN-2014 21:03

Client ID: 8260-ICV

Instrument: 50mv4b.i

Sample Info: 8260-ICV,71418:0

Purge Volume: 5.0

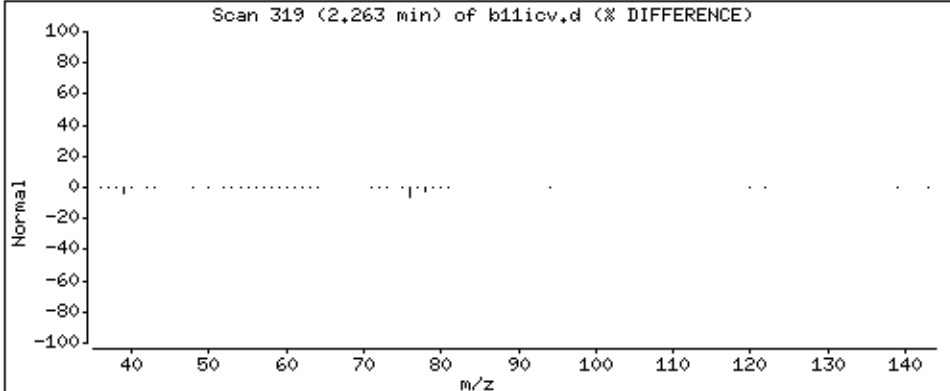
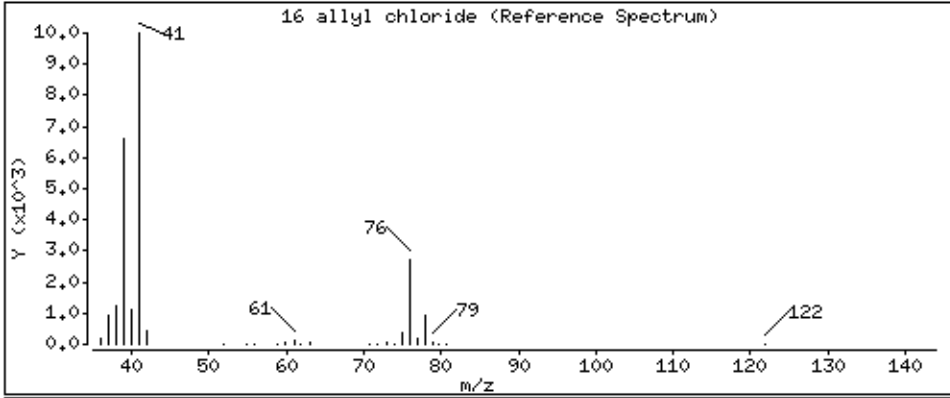
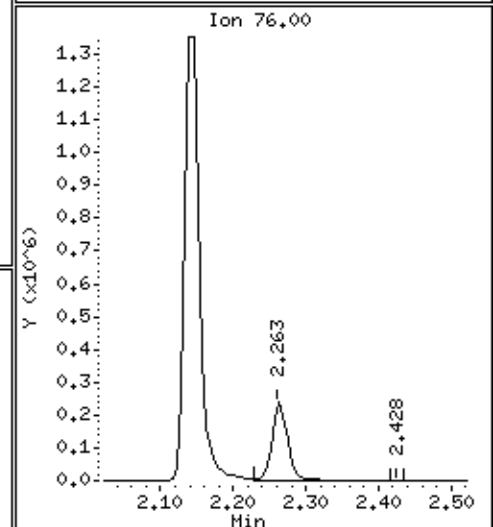
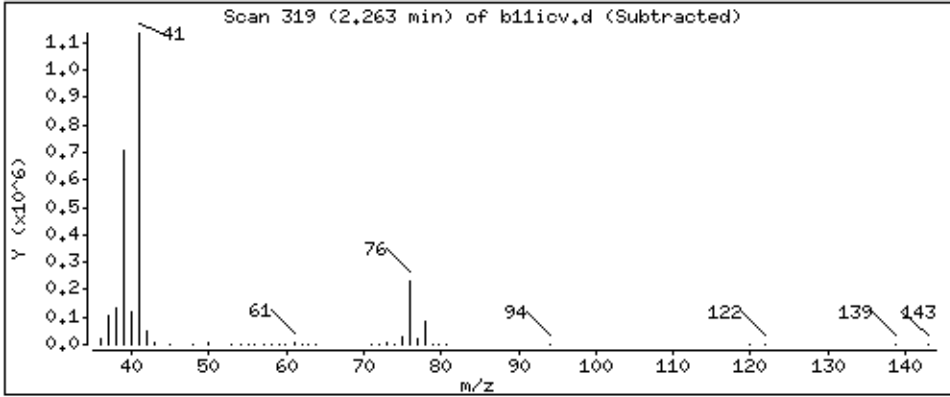
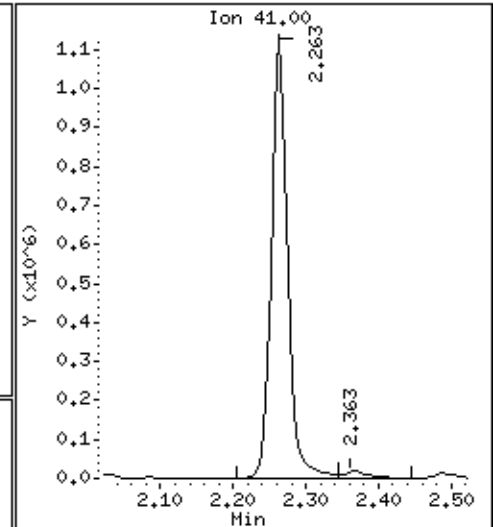
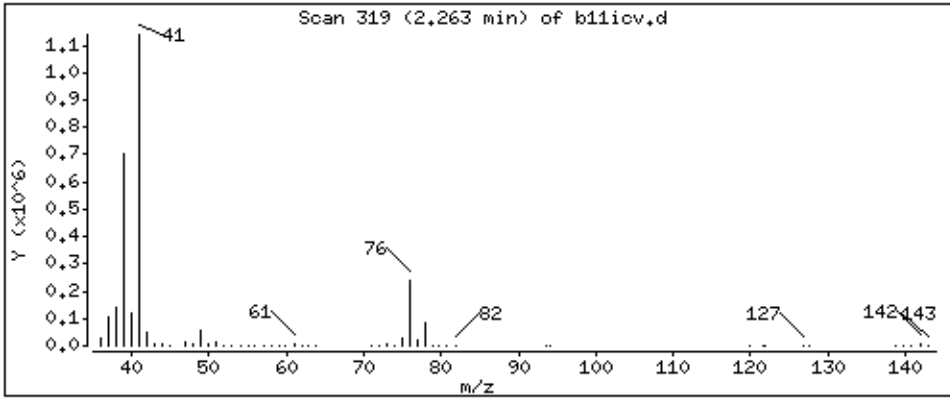
Operator: rsw

Column phase: DB-624

Column diameter: 0,18

16 allyl chloride

Concentration: 108 ppb



Date : 25-JUN-2014 21:03

Client ID: 8260-ICV

Instrument: 50mv4b.i

Sample Info: 8260-ICV,71418:0

Purge Volume: 5.0

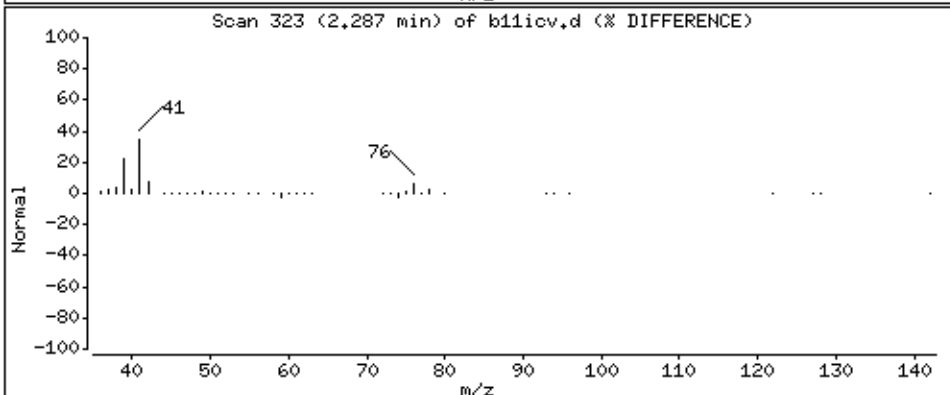
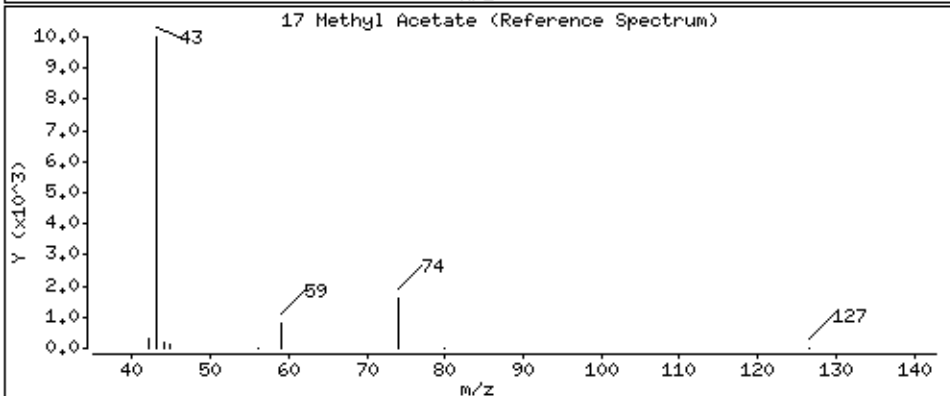
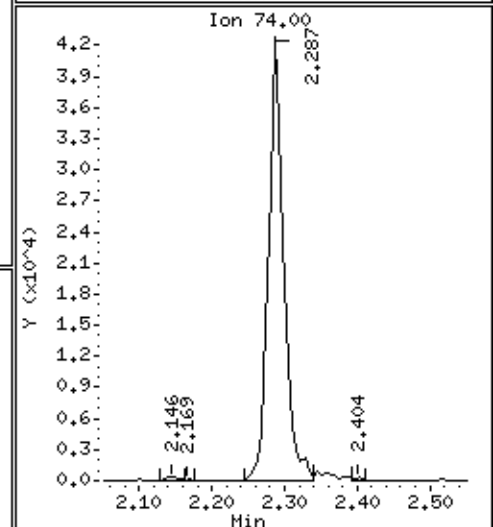
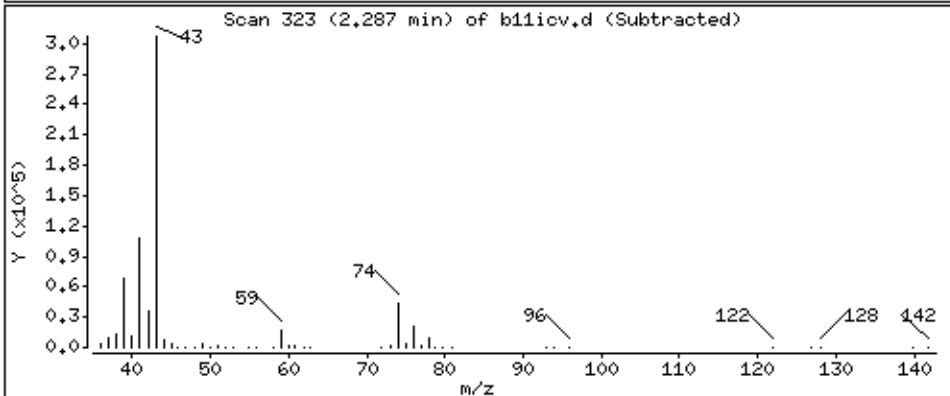
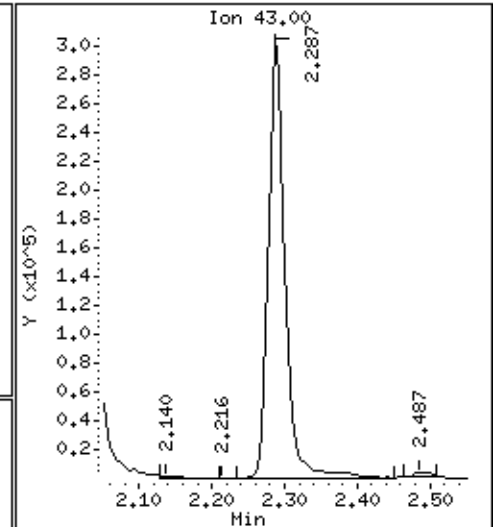
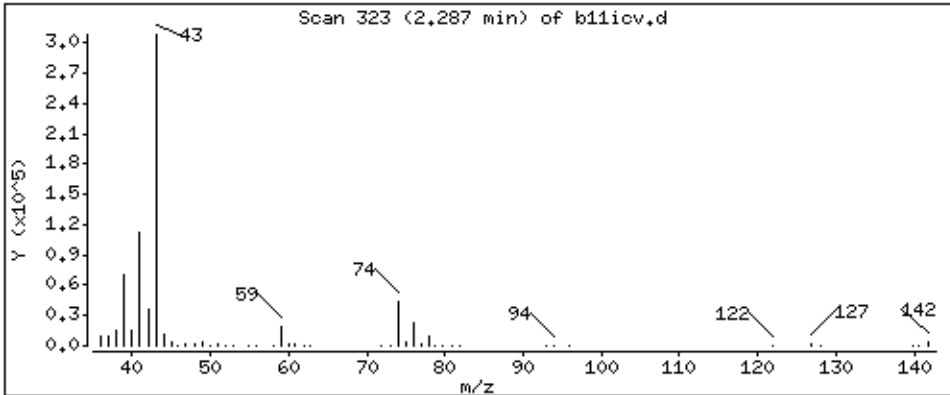
Operator: rsw

Column phase: DB-624

Column diameter: 0,18

17 Methyl Acetate

Concentration: 55,0 ppb



Date : 25-JUN-2014 21:03

Client ID: 8260-ICV

Instrument: 50mv4b.i

Sample Info: 8260-ICV,71418:0

Purge Volume: 5.0

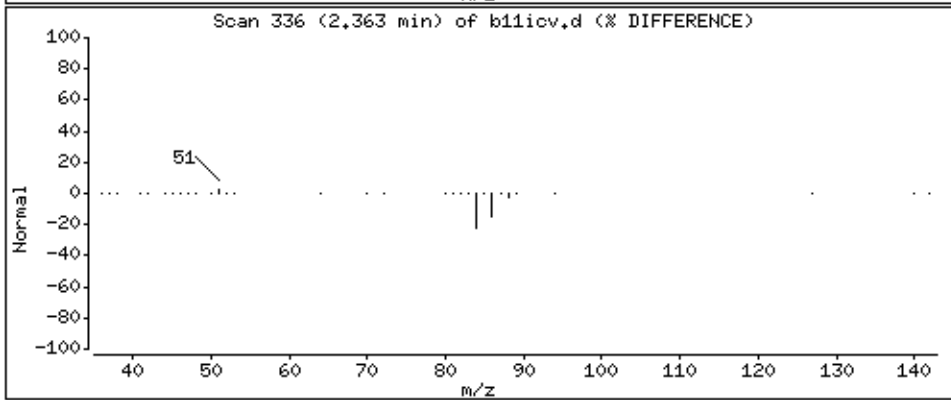
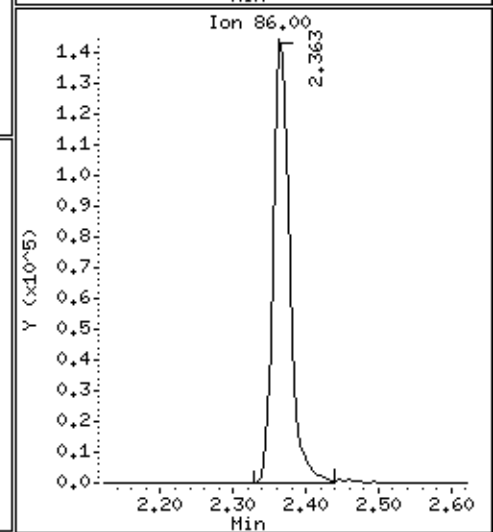
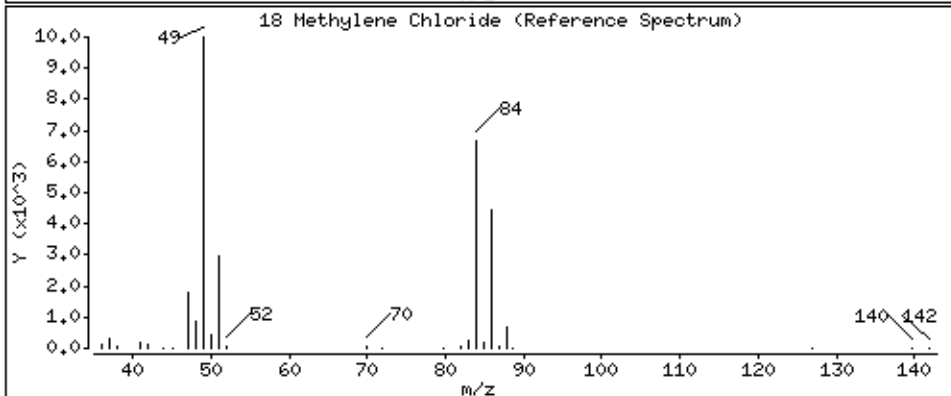
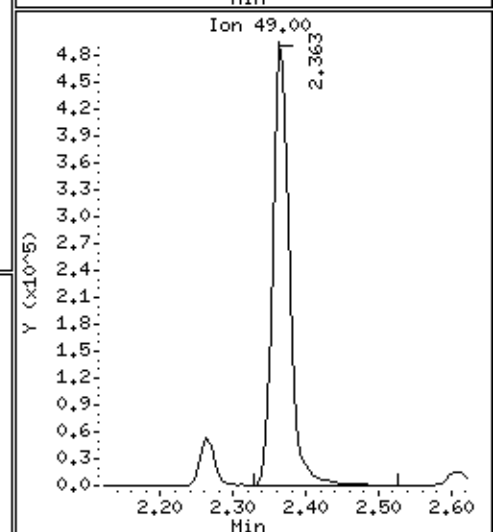
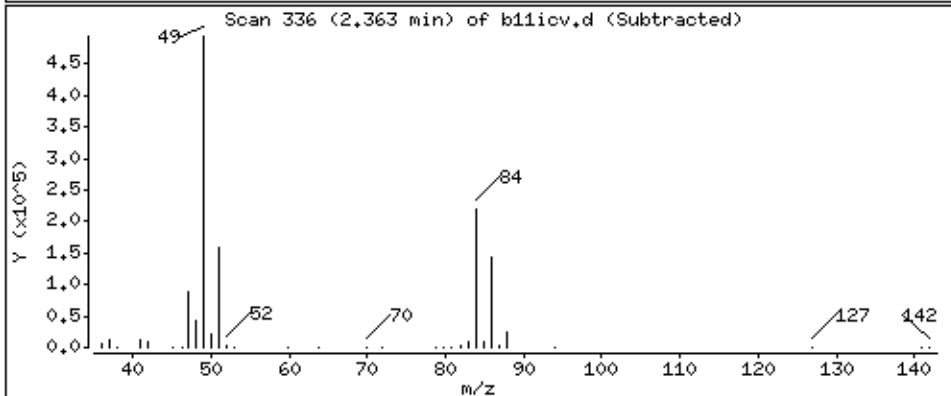
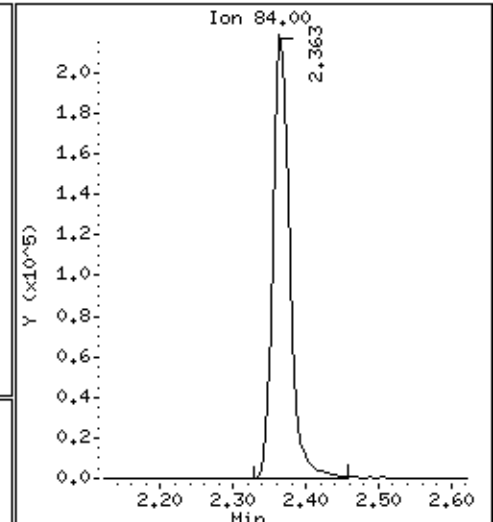
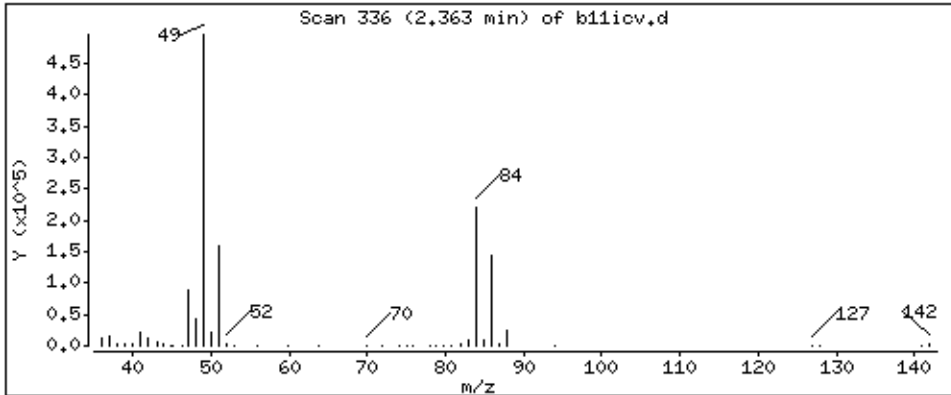
Operator: rsw

Column phase: DB-624

Column diameter: 0,18

18 Methylene Chloride

Concentration: 50,3 ppb



Date : 25-JUN-2014 21:03

Client ID: 8260-ICV

Instrument: 50mv4b.i

Sample Info: 8260-ICV,71418:0

Purge Volume: 5.0

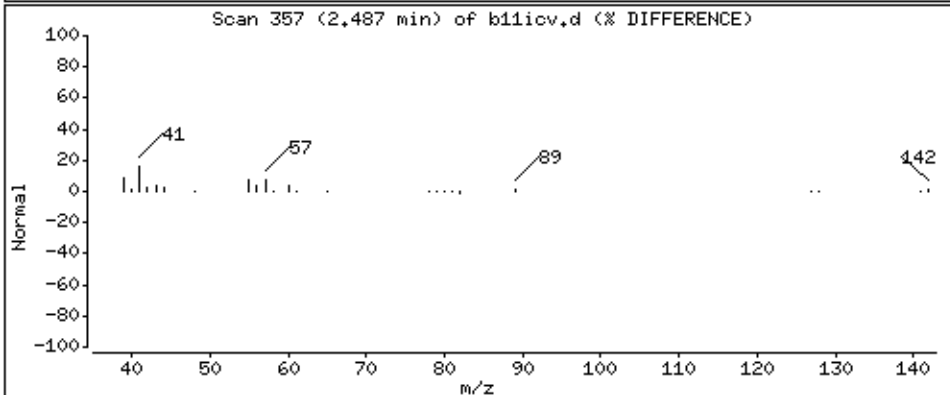
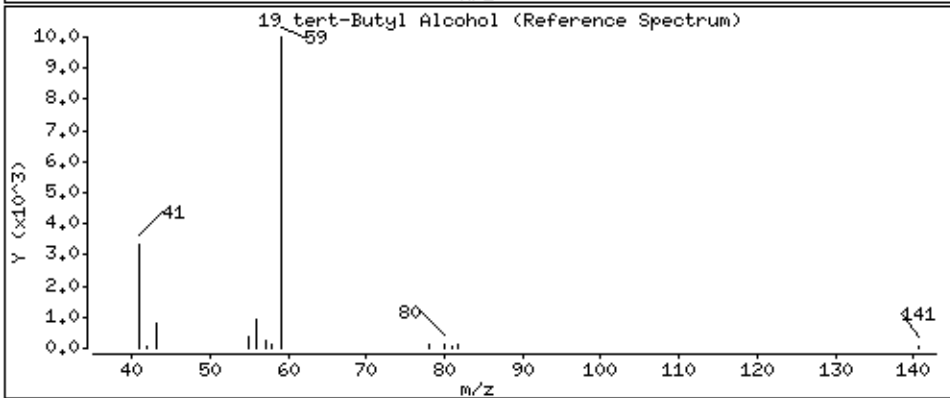
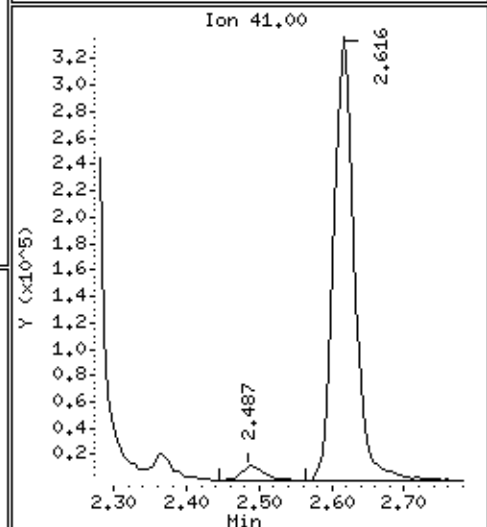
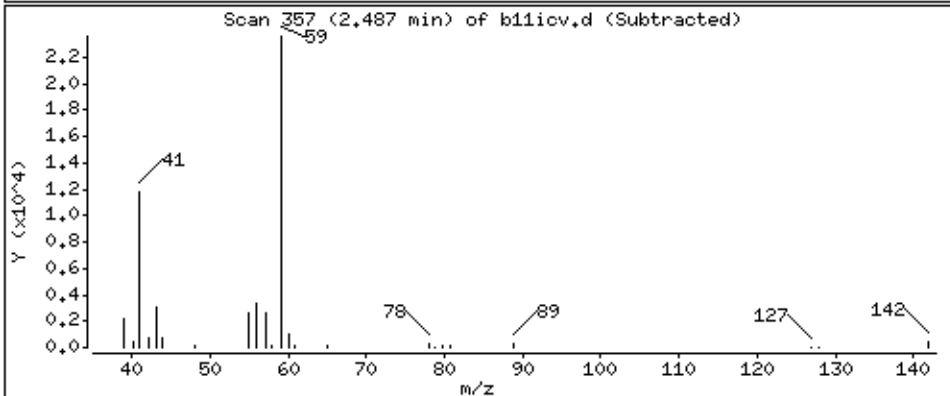
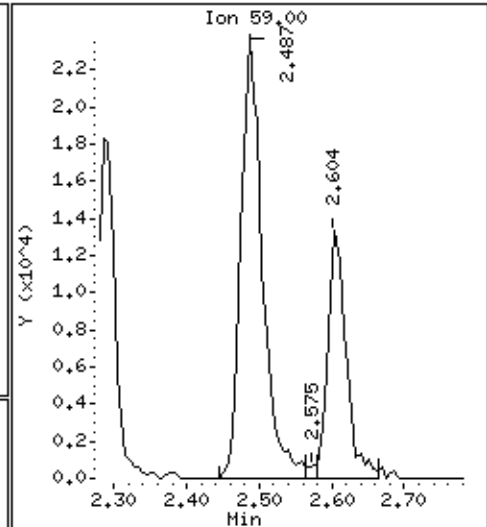
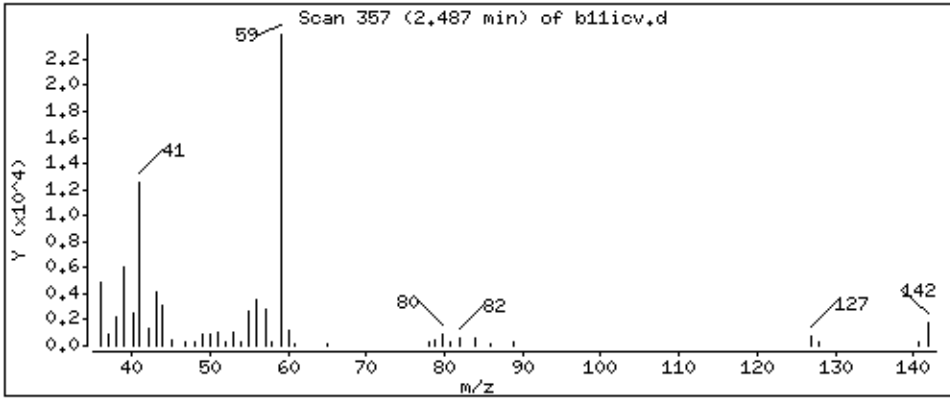
Operator: rsw

Column phase: DB-624

Column diameter: 0,18

19 tert-Butyl Alcohol

Concentration: 96,5 ppb



Date : 25-JUN-2014 21:03

Client ID: 8260-ICV

Instrument: 50mv4b.i

Sample Info: 8260-ICV,71418:0

Purge Volume: 5.0

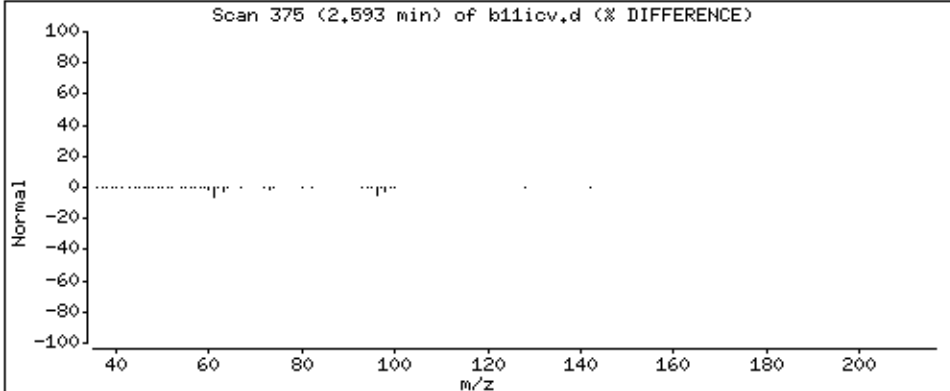
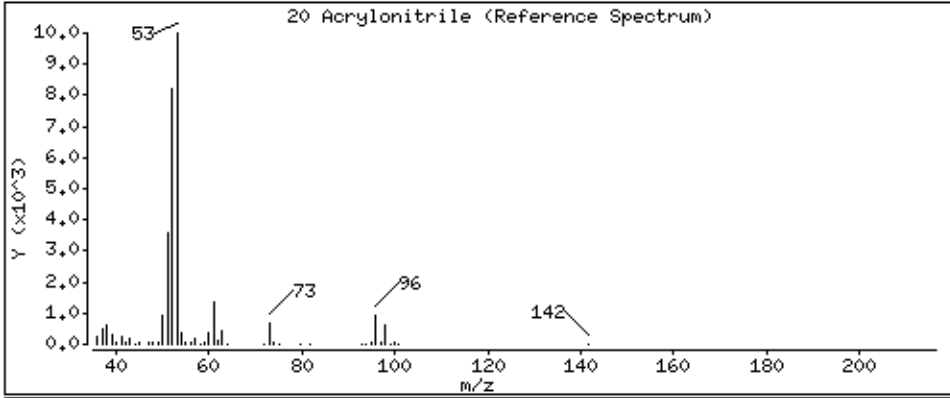
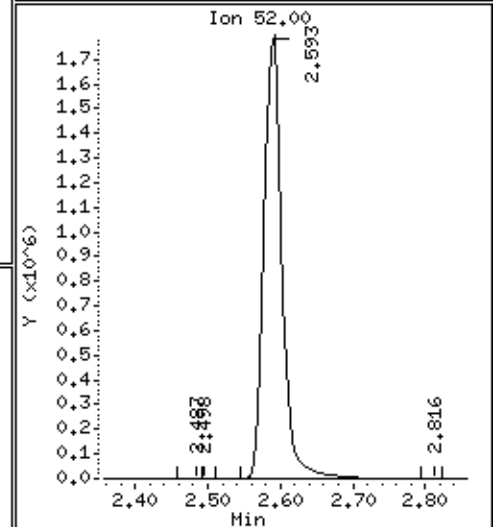
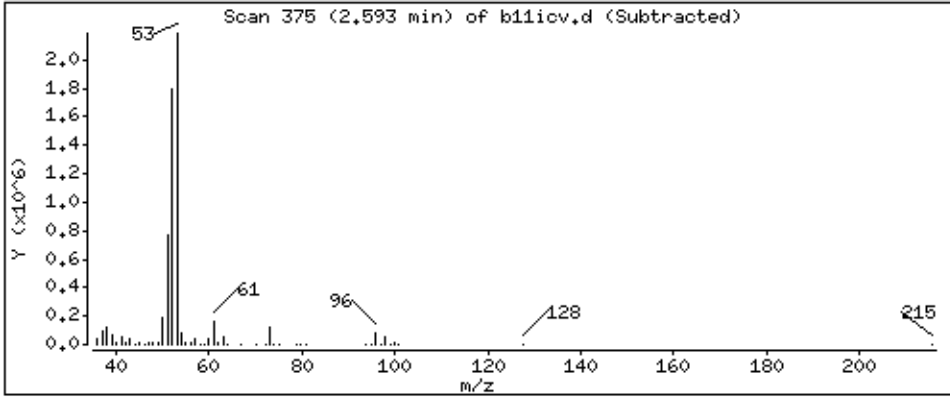
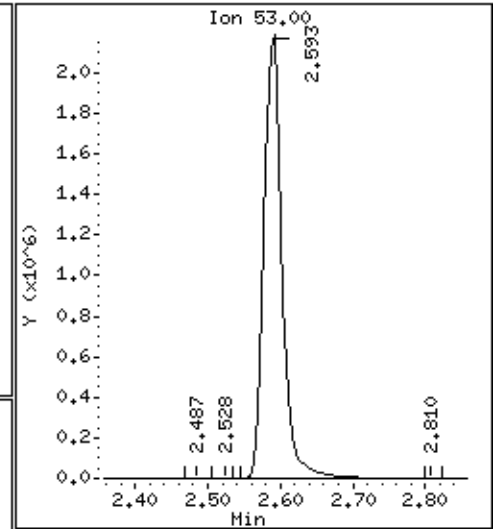
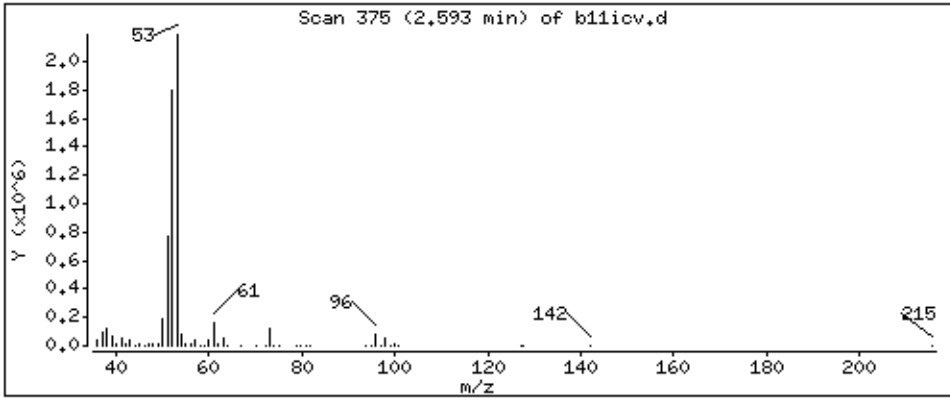
Operator: rsw

Column phase: DB-624

Column diameter: 0,18

20 Acrylonitrile

Concentration: 987 ppb



Date : 25-JUN-2014 21:03

Client ID: 8260-ICV

Instrument: 50mv4b.i

Sample Info: 8260-ICV,71418:0

Purge Volume: 5.0

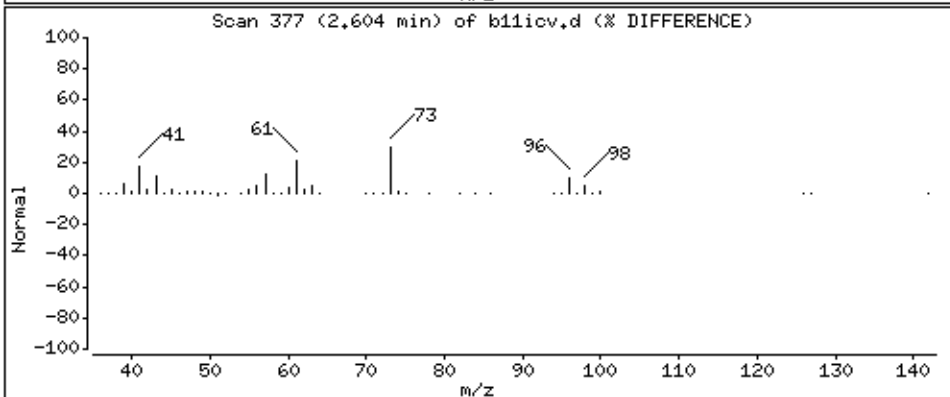
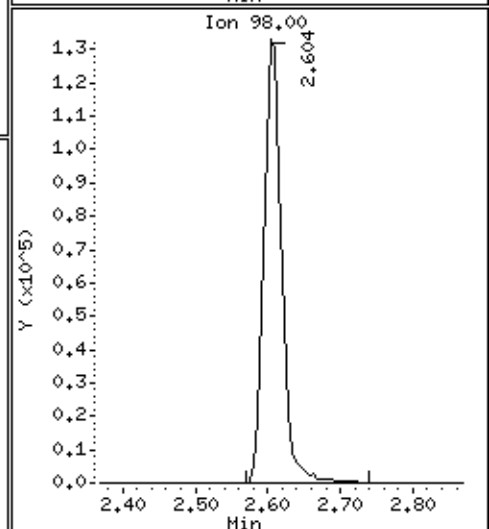
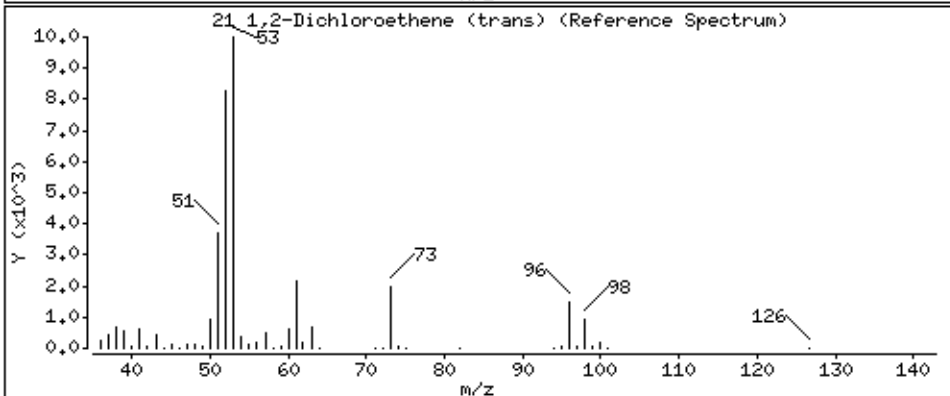
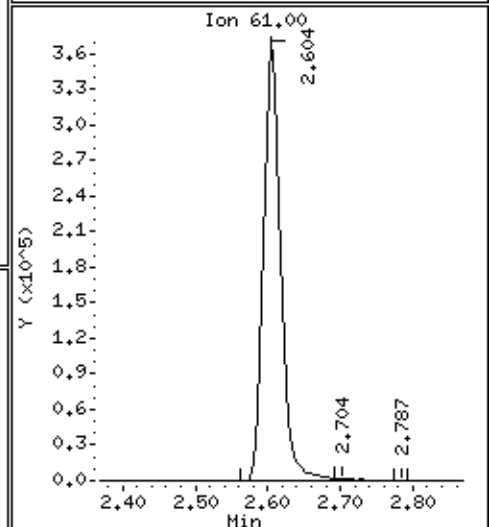
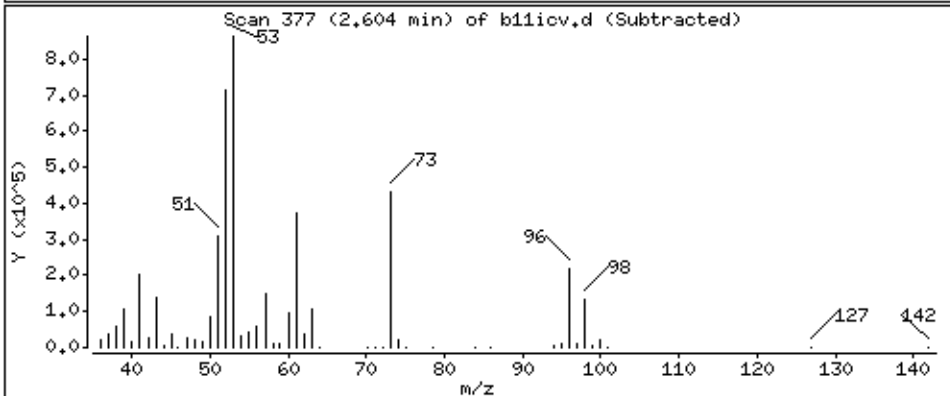
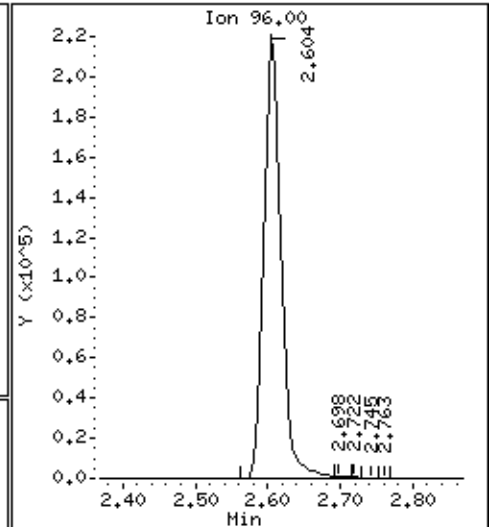
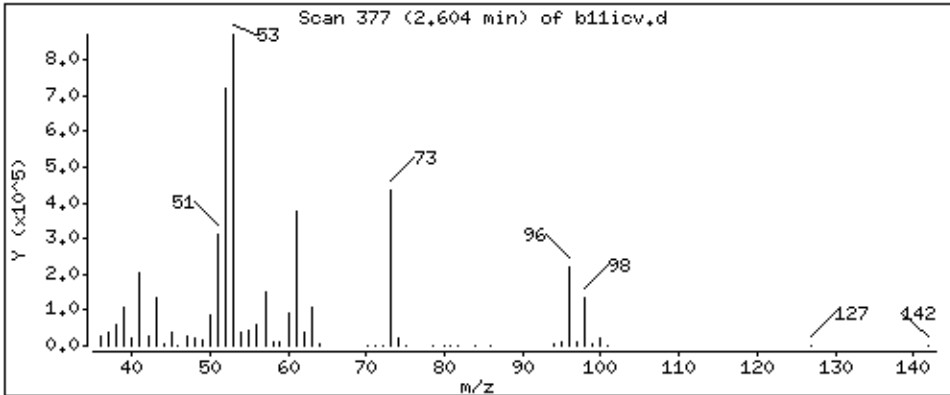
Operator: rsw

Column phase: DB-624

Column diameter: 0,18

21 1,2-Dichloroethene (trans)

Concentration: 53,0 ppb



Date : 25-JUN-2014 21:03

Client ID: 8260-ICV

Instrument: 50mv4b.i

Sample Info: 8260-ICV,71418:0

Purge Volume: 5.0

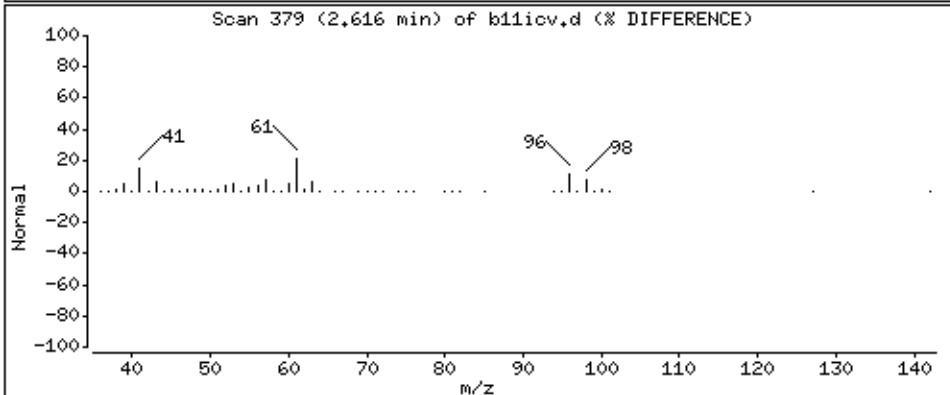
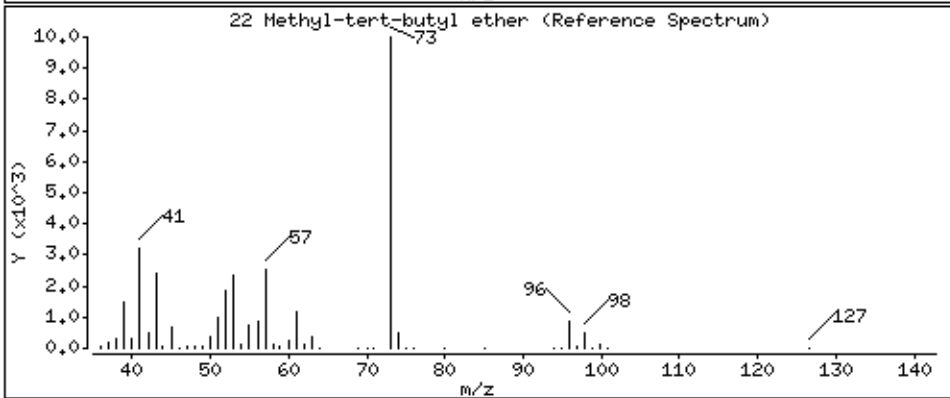
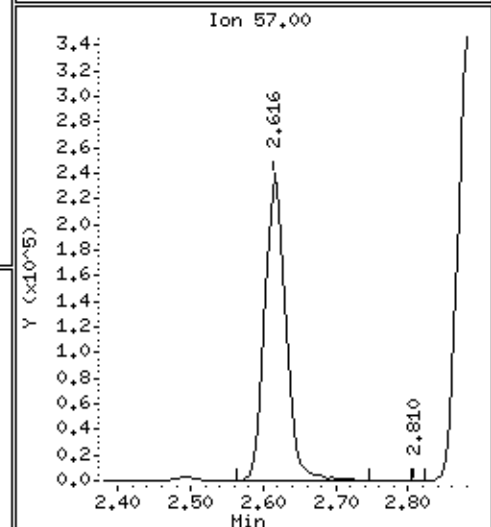
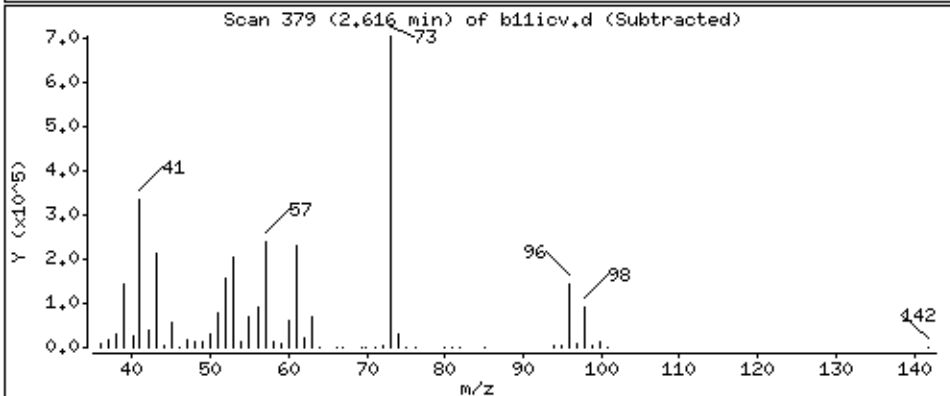
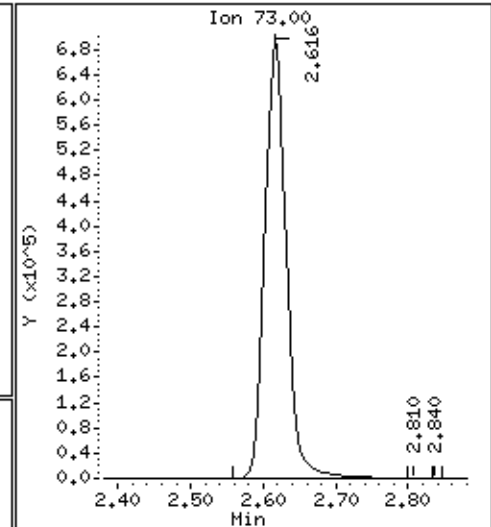
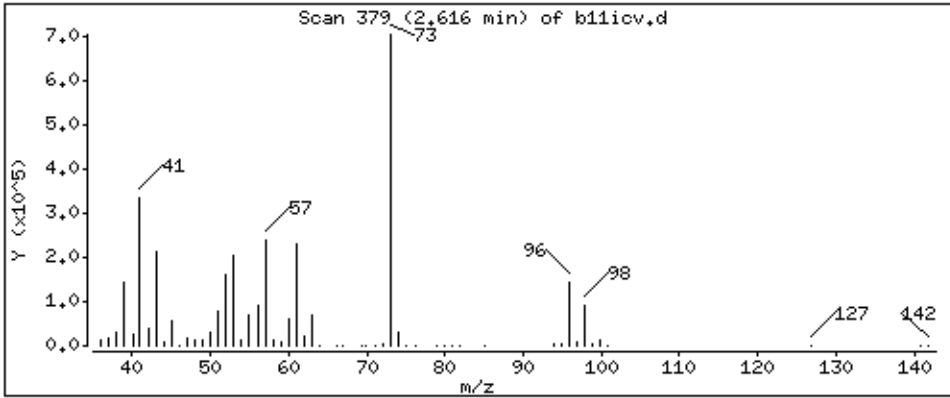
Operator: rsw

Column phase: DB-624

Column diameter: 0,18

22 Methyl-tert-butyl ether

Concentration: 106 ppb



Date : 25-JUN-2014 21:03

Client ID: 8260-ICV

Instrument: 50mv4b.i

Sample Info: 8260-ICV,71418:0

Purge Volume: 5.0

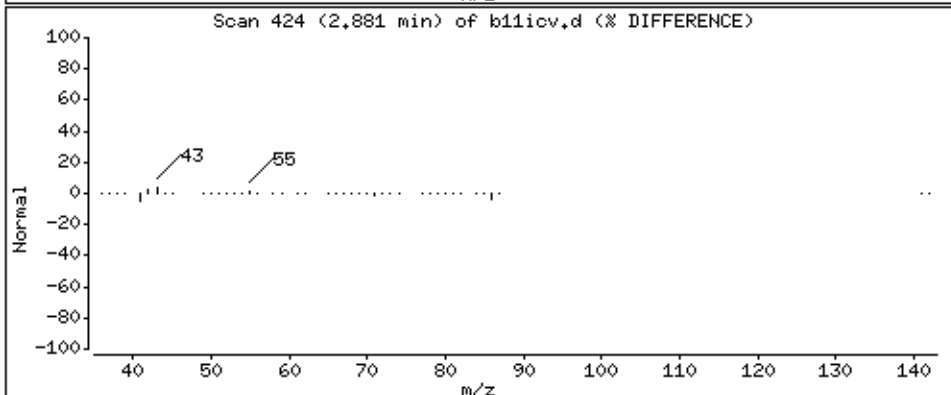
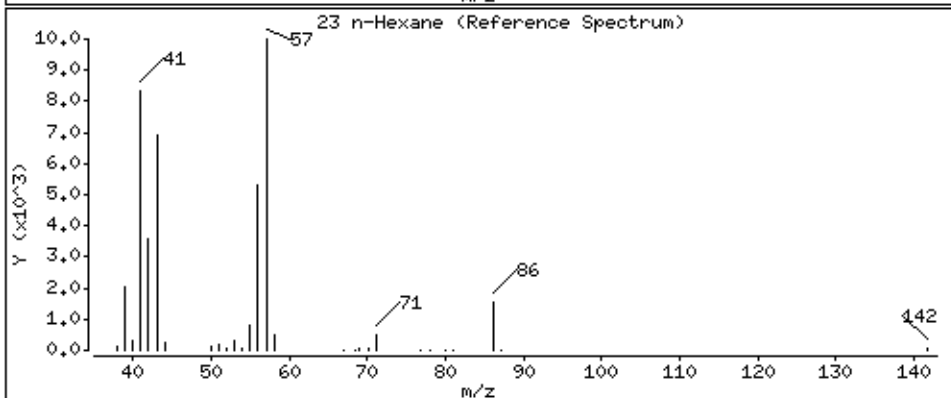
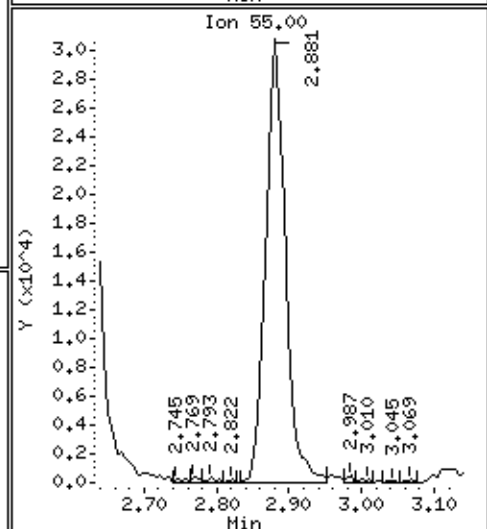
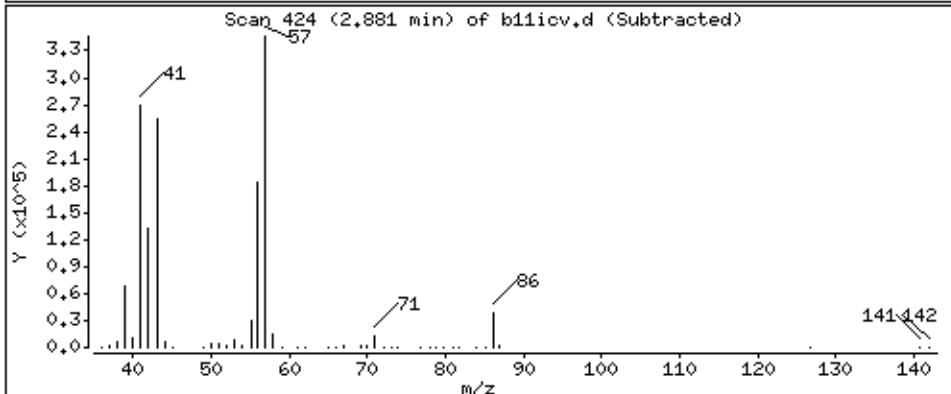
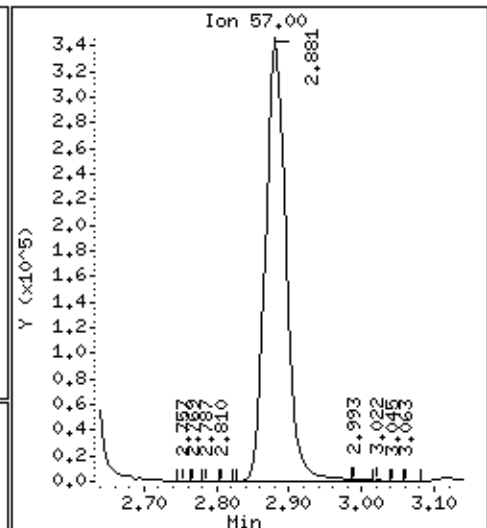
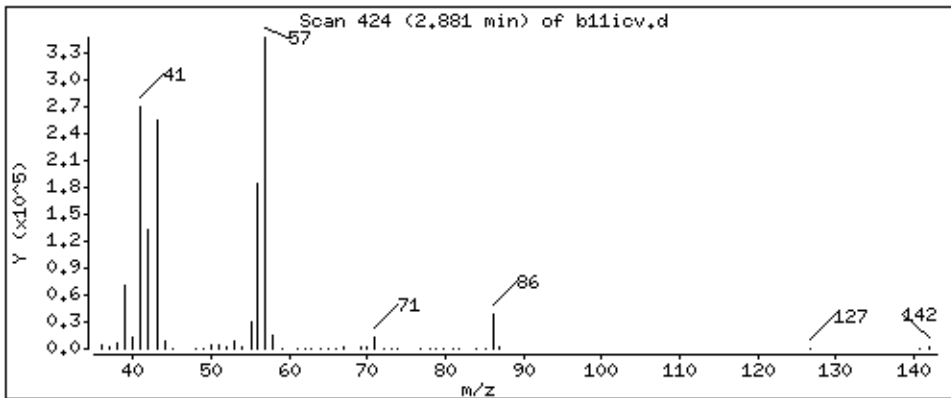
Operator: rsw

Column phase: DB-624

Column diameter: 0,18

23 n-Hexane

Concentration: 45,8 ppb



Date : 25-JUN-2014 21:03

Client ID: 8260-ICV

Instrument: 50mv4b.i

Sample Info: 8260-ICV,71418:0

Purge Volume: 5.0

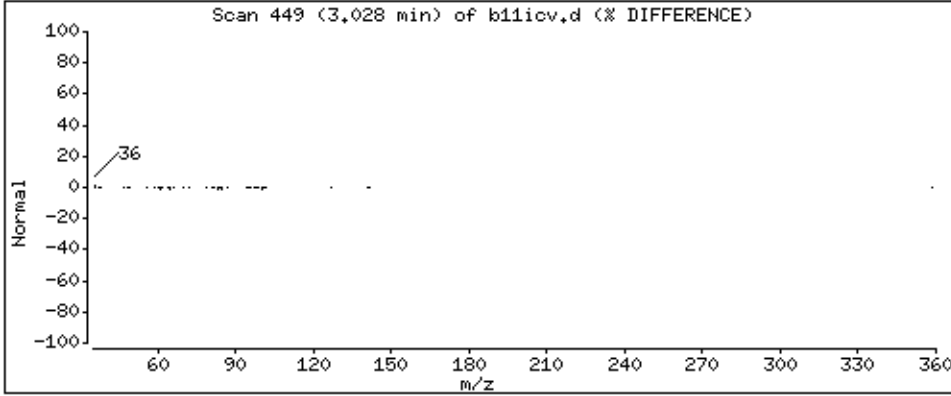
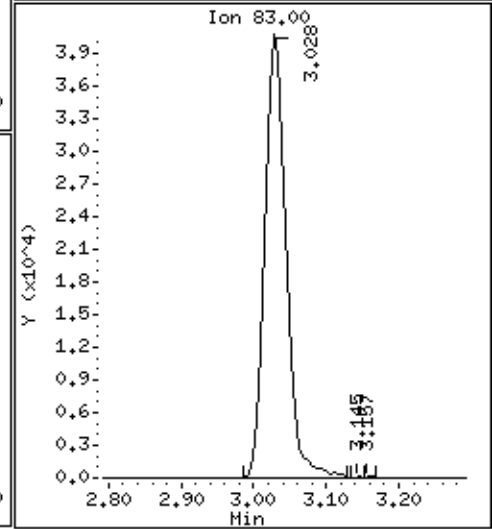
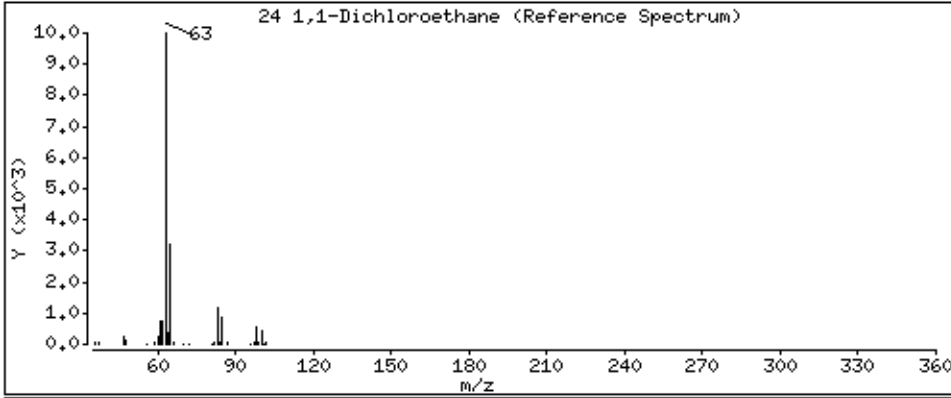
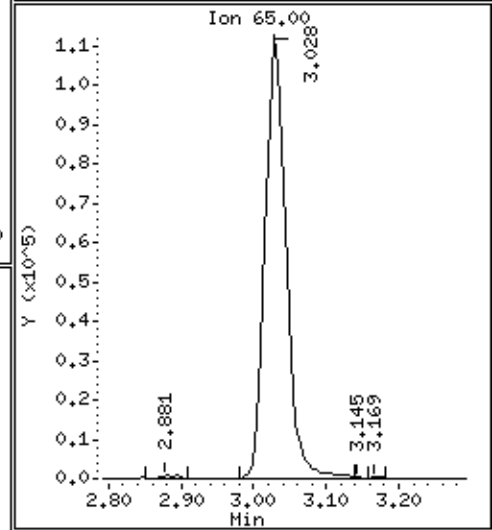
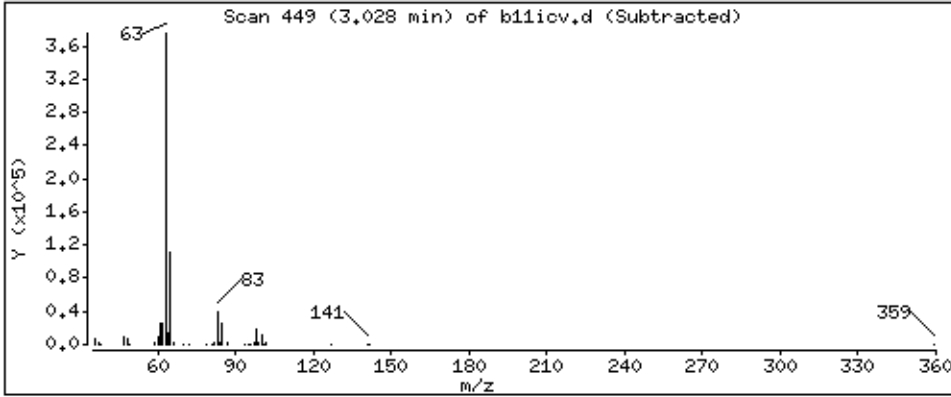
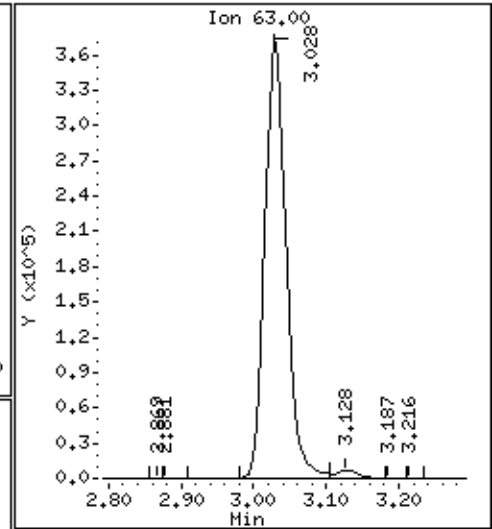
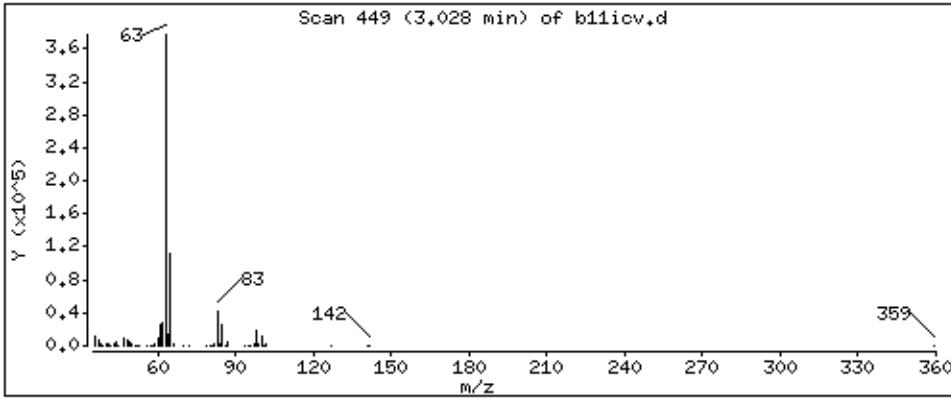
Operator: rsw

Column phase: DB-624

Column diameter: 0,18

24 1,1-Dichloroethane

Concentration: 50,7 ppb



Date : 25-JUN-2014 21:03

Client ID: 8260-ICV

Instrument: 50mv4b.i

Sample Info: 8260-ICV,71418:0

Purge Volume: 5.0

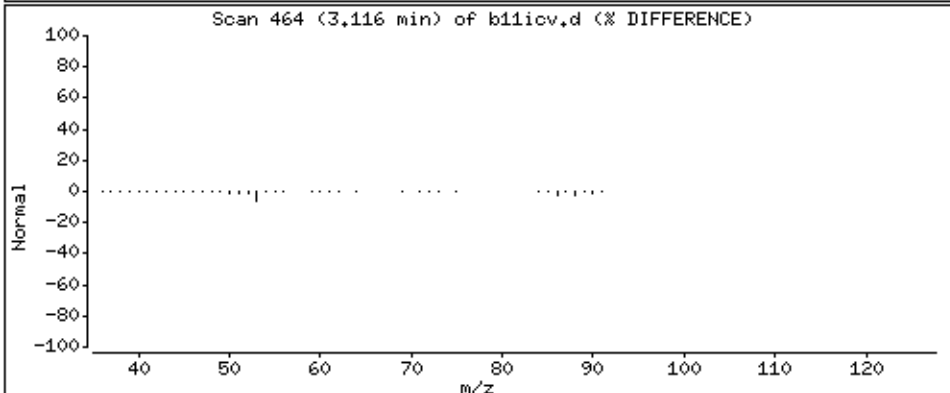
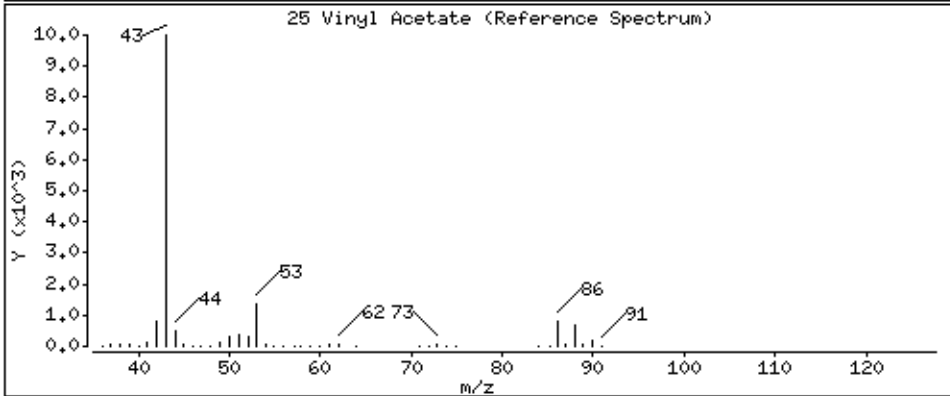
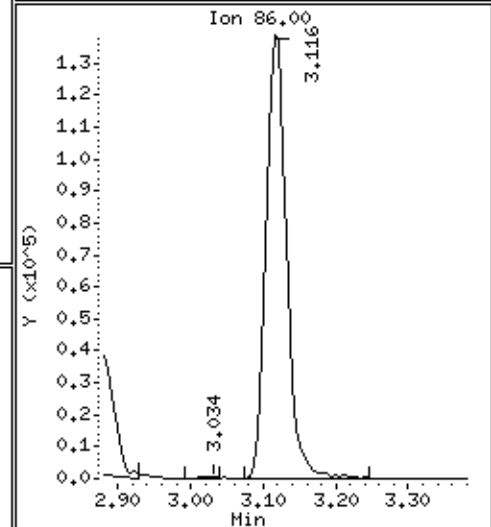
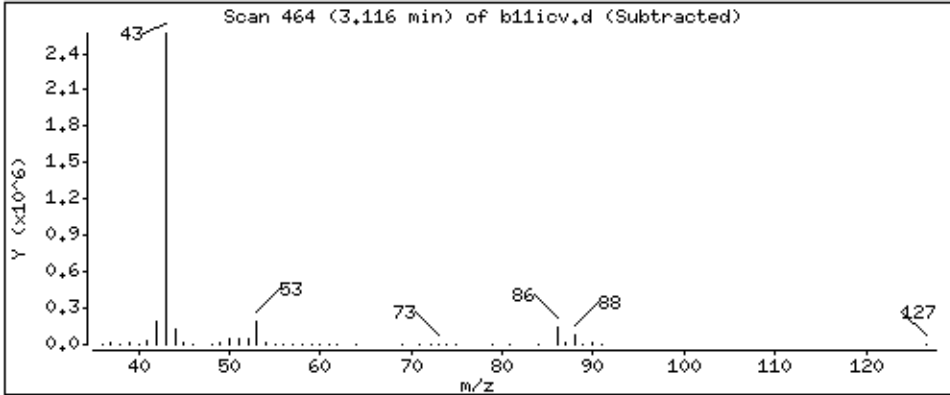
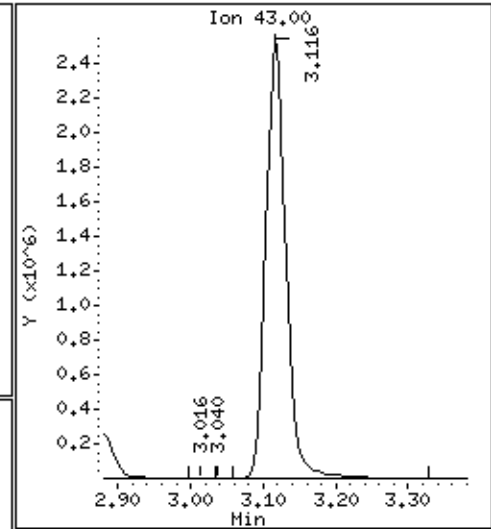
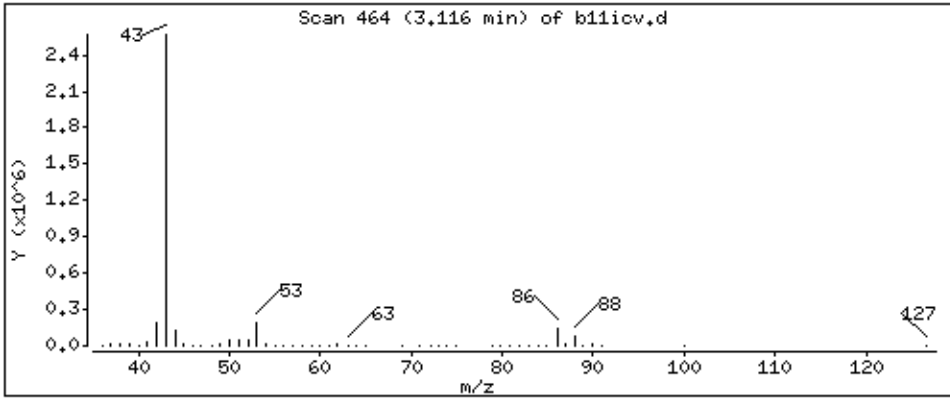
Operator: rsw

Column phase: DB-624

Column diameter: 0,18

25 Vinyl Acetate

Concentration: 225 ppb



Date : 25-JUN-2014 21:03

Client ID: 8260-ICV

Instrument: 50mv4b.i

Sample Info: 8260-ICV,71418:0

Purge Volume: 5.0

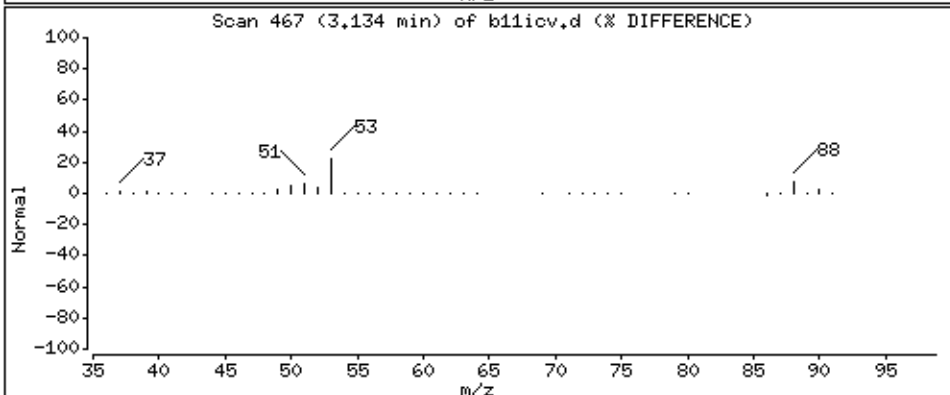
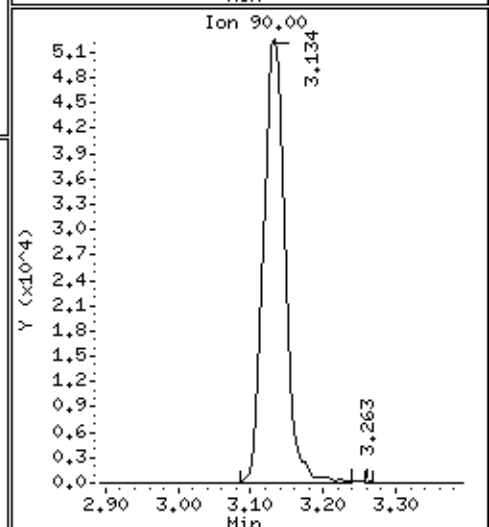
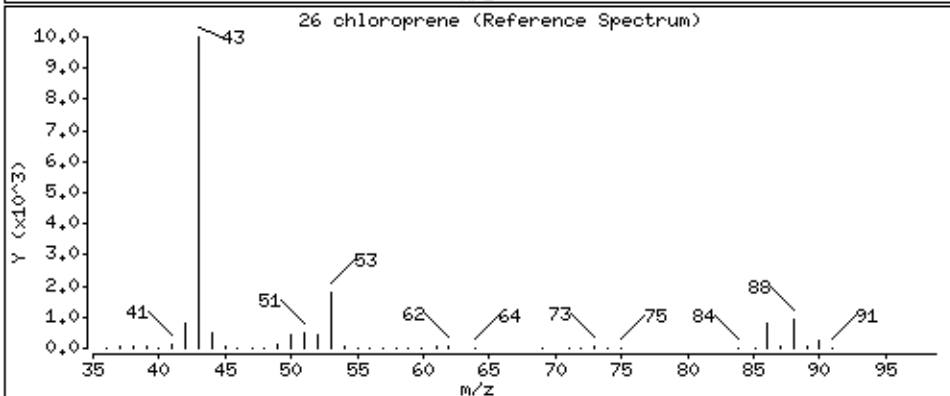
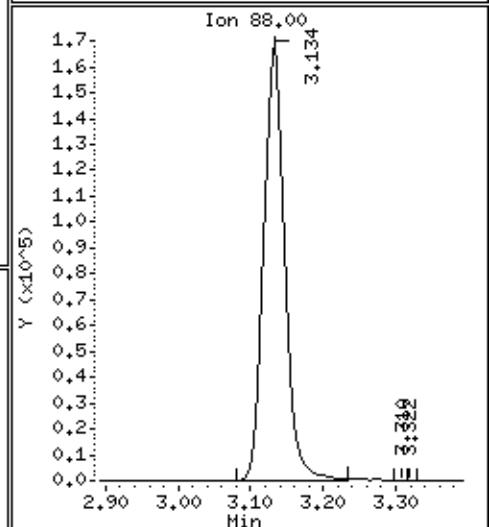
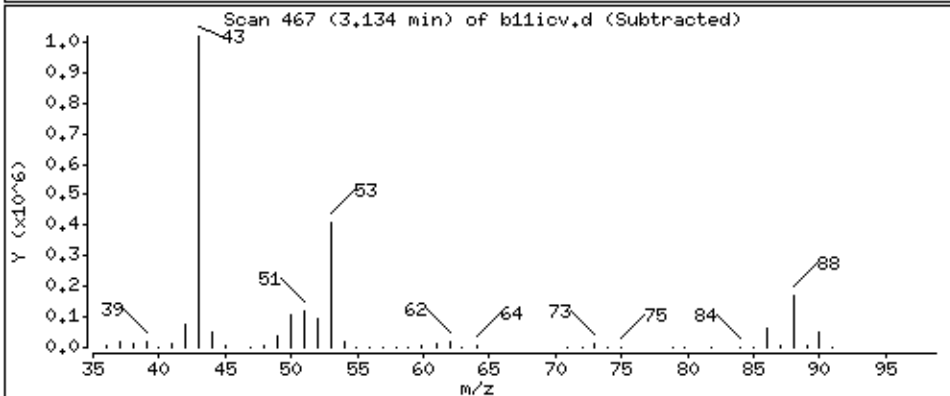
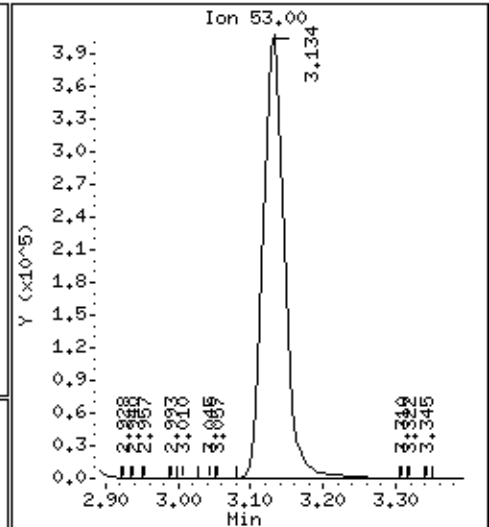
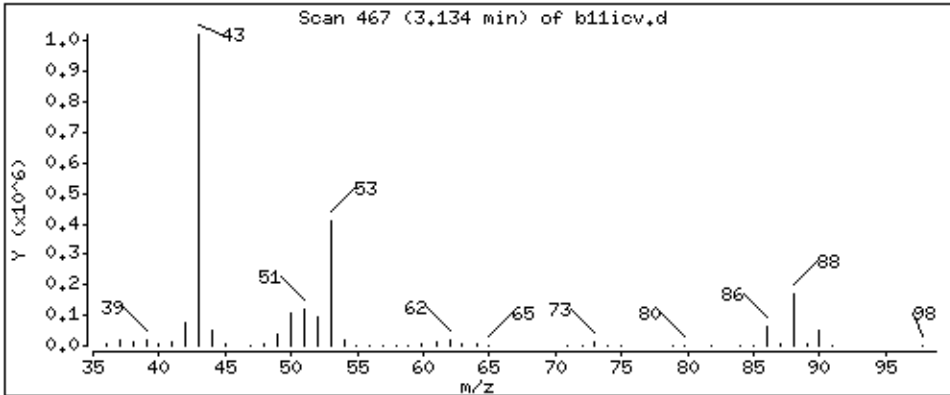
Operator: rsw

Column phase: DB-624

Column diameter: 0,18

26 chloroprene

Concentration: 56,1 ppb



Date : 25-JUN-2014 21:03

Client ID: 8260-ICV

Instrument: 50mv4b.i

Sample Info: 8260-ICV,71418:0

Purge Volume: 5.0

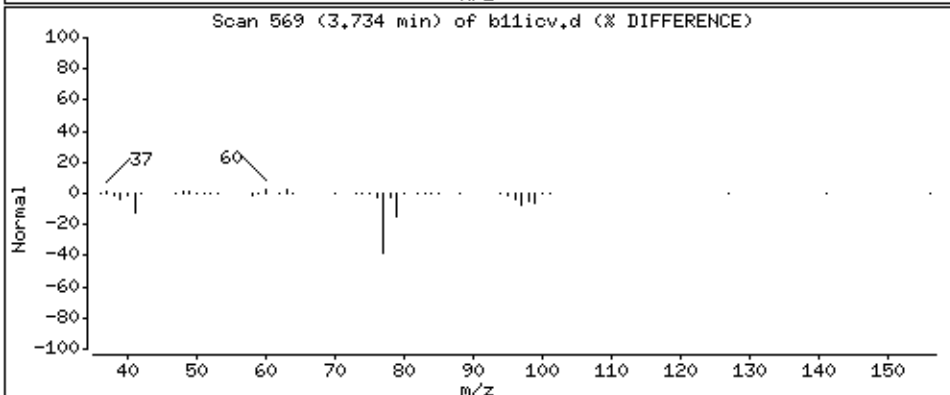
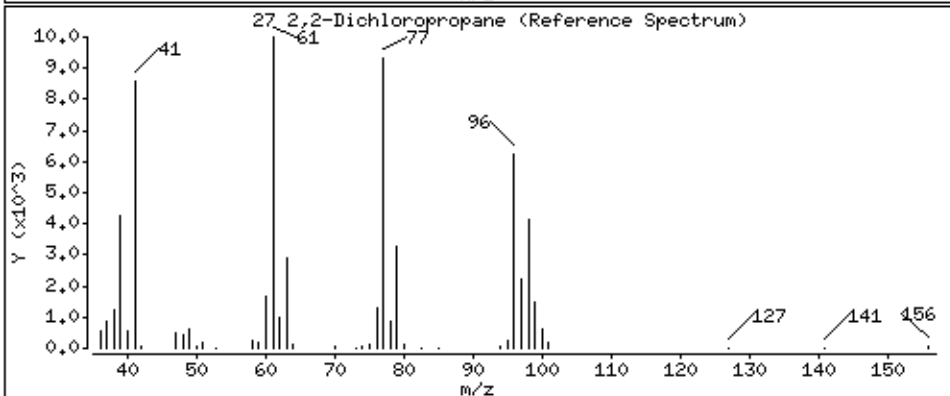
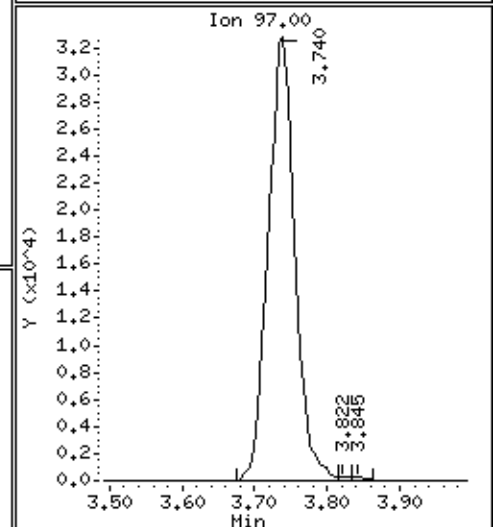
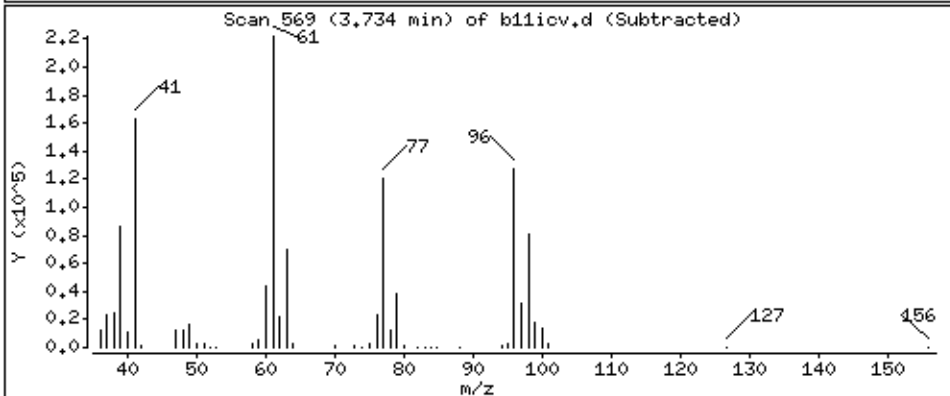
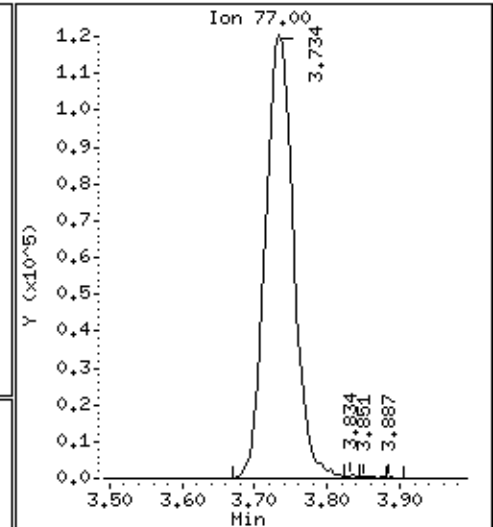
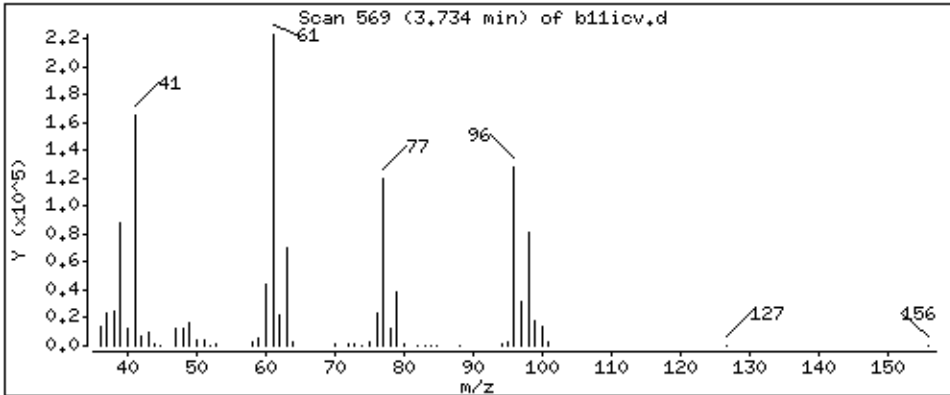
Operator: rsw

Column phase: DB-624

Column diameter: 0,18

27 2,2-Dichloropropane

Concentration: 46,2 ppb



Date : 25-JUN-2014 21:03

Client ID: 8260-ICV

Instrument: 50mv4b.i

Sample Info: 8260-ICV,71418:0

Purge Volume: 5.0

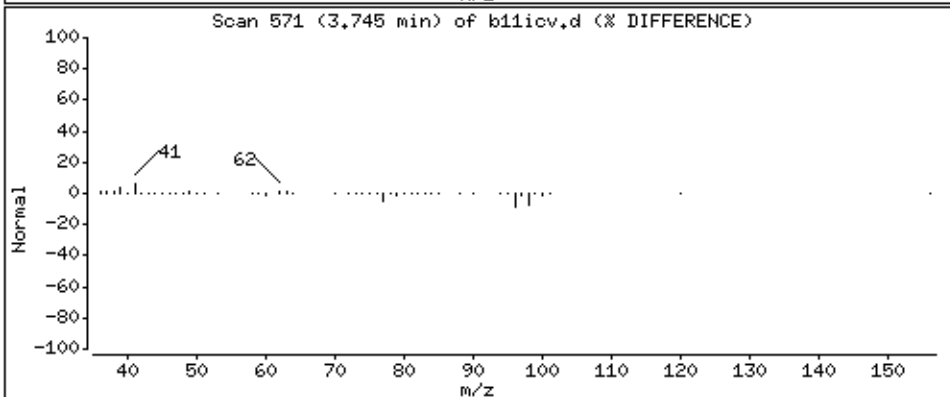
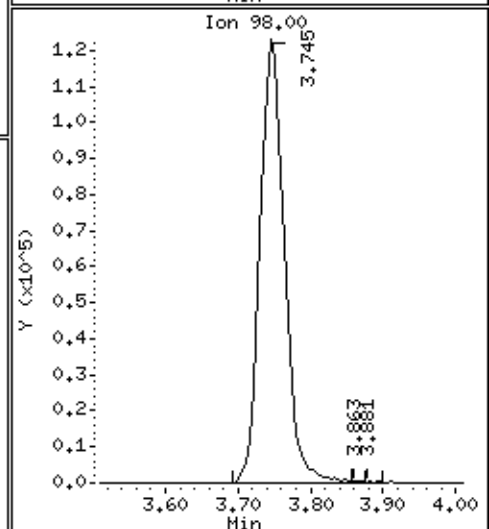
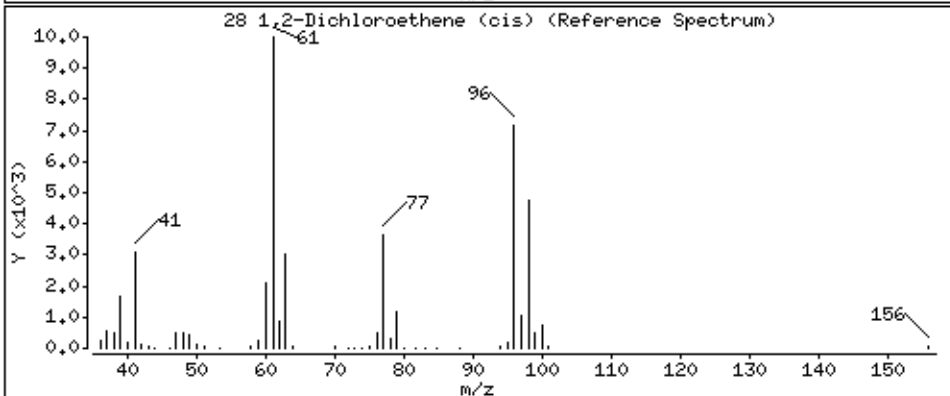
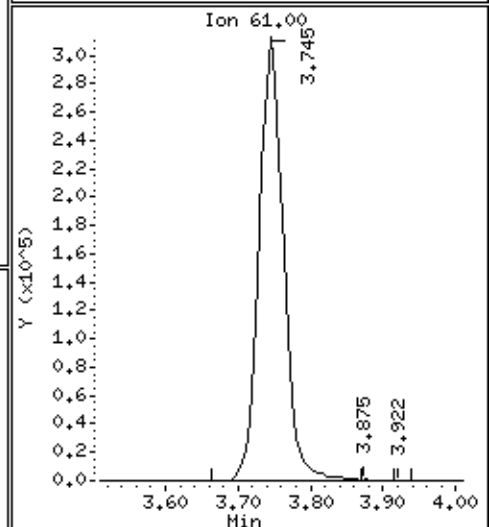
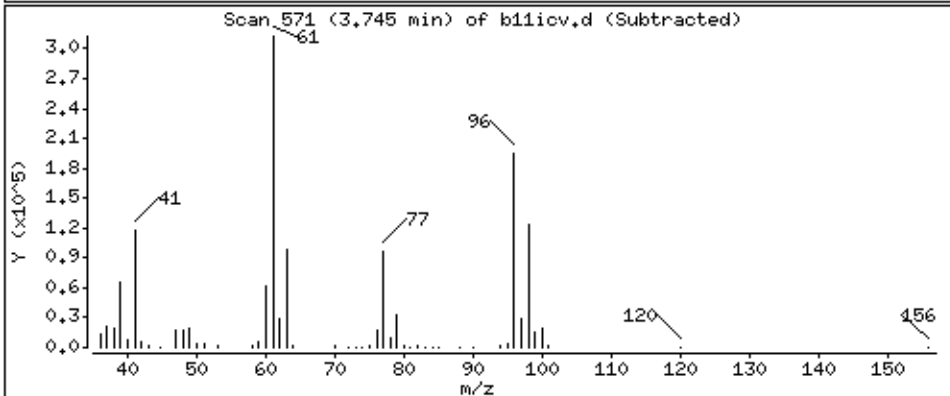
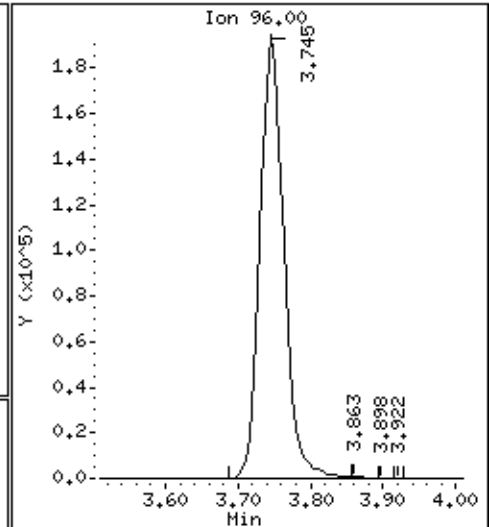
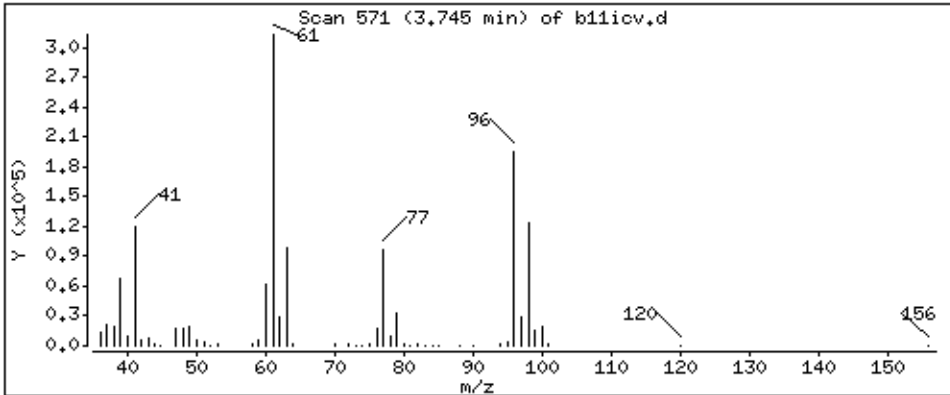
Operator: rsw

Column phase: DB-624

Column diameter: 0,18

28 1,2-Dichloroethene (cis)

Concentration: 54,4 ppb



Date : 25-JUN-2014 21:03

Client ID: 8260-ICV

Instrument: 50mv4b.i

Sample Info: 8260-ICV,71418:0

Purge Volume: 5.0

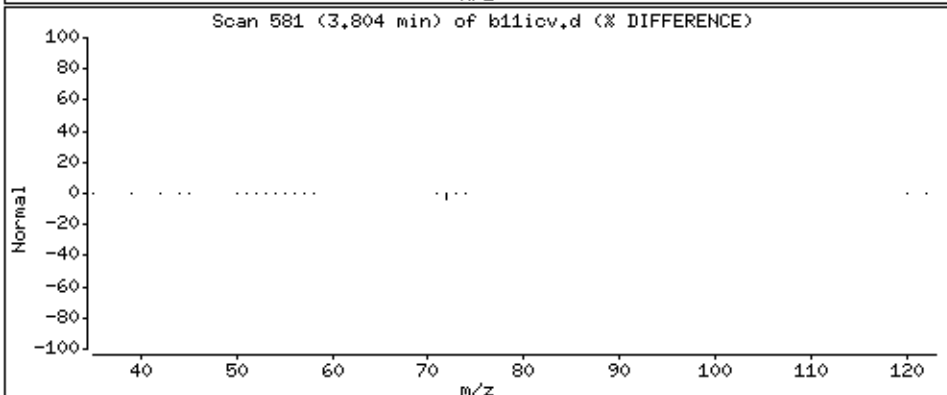
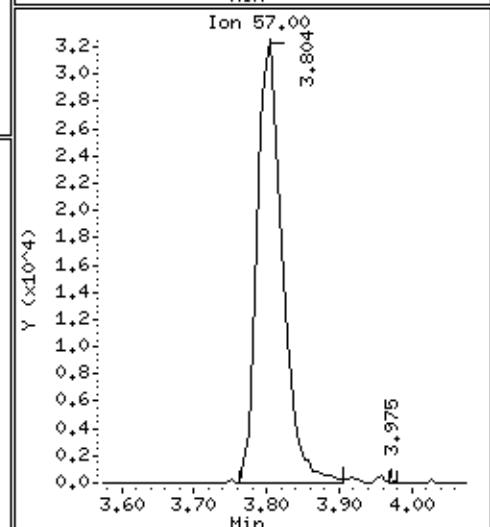
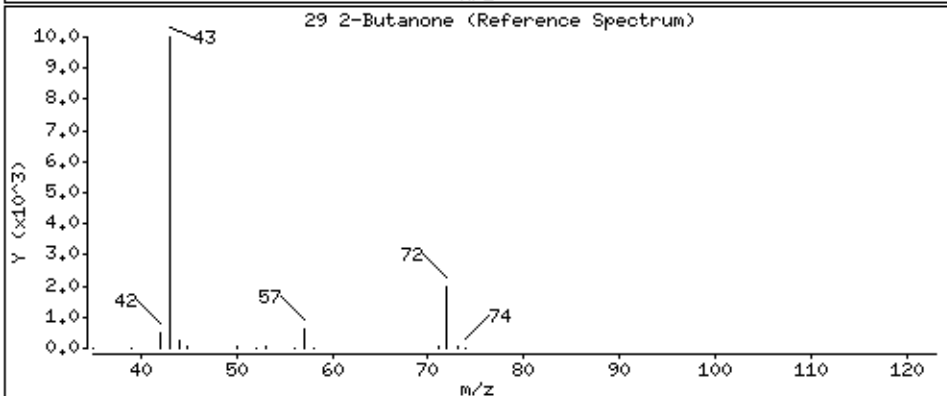
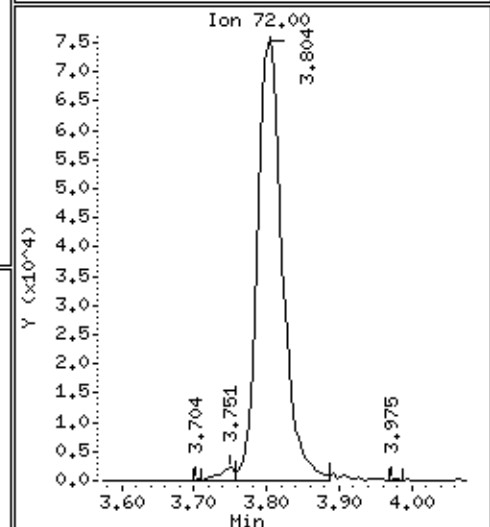
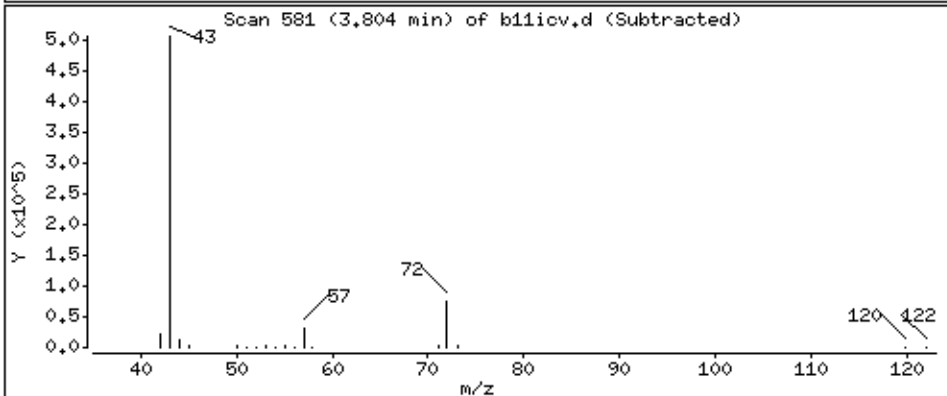
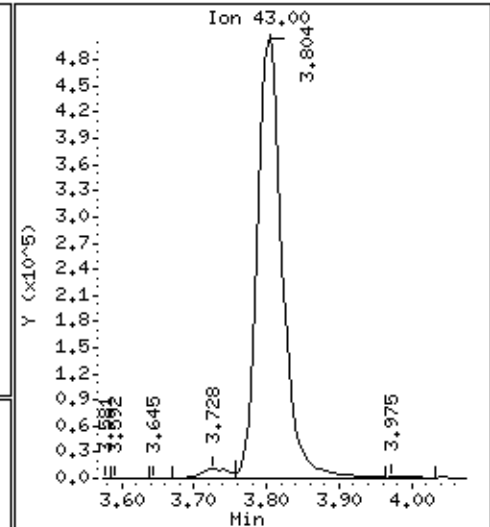
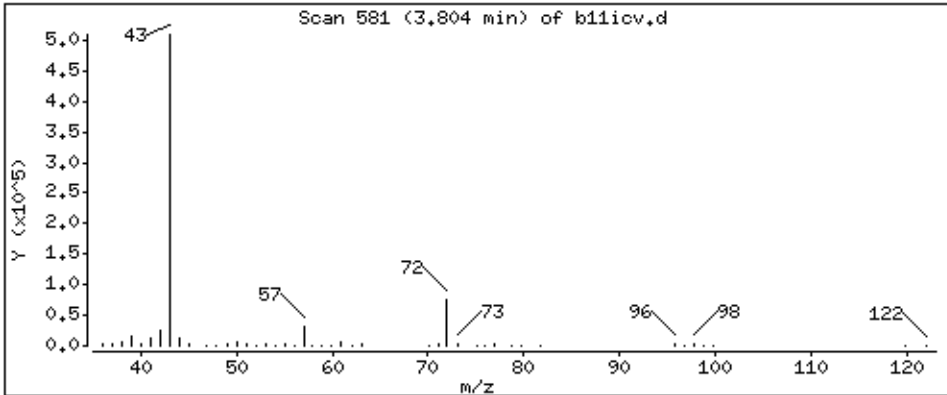
Operator: rsw

Column phase: DB-624

Column diameter: 0,18

29 2-Butanone

Concentration: 266 ppb



Date : 25-JUN-2014 21:03

Client ID: 8260-ICV

Instrument: 50mv4b.i

Sample Info: 8260-ICV,71418:0

Purge Volume: 5.0

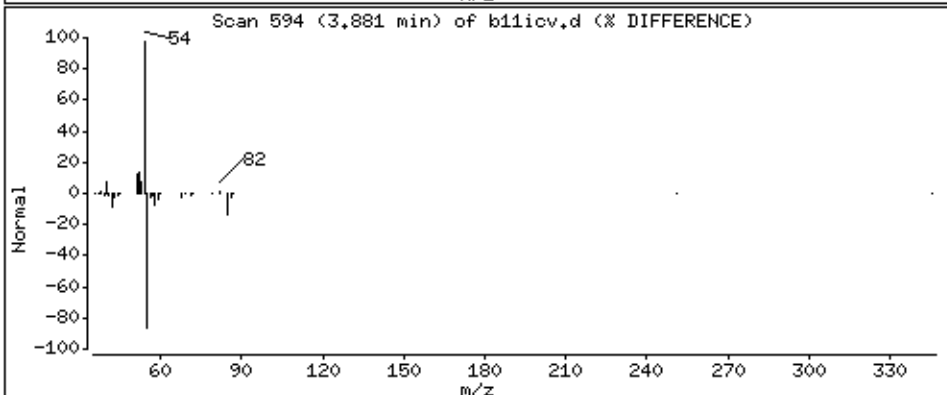
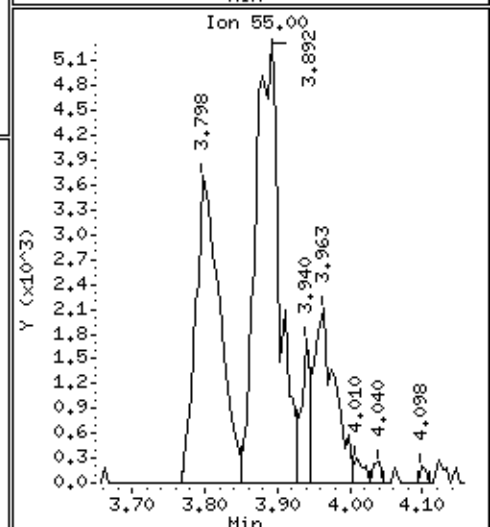
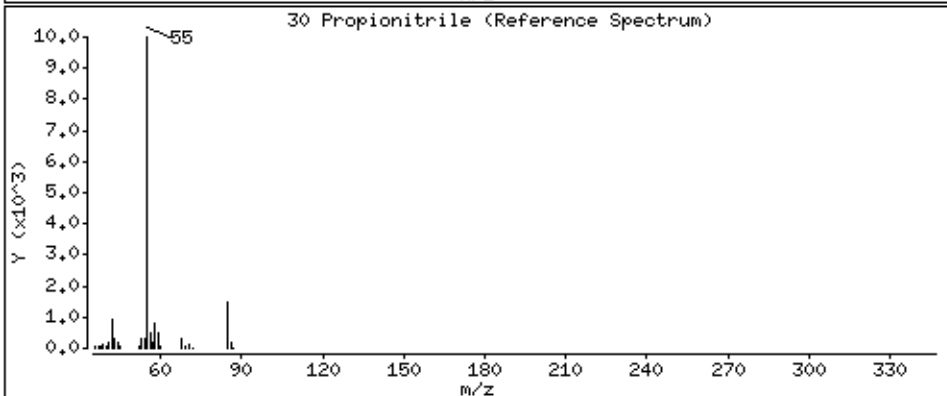
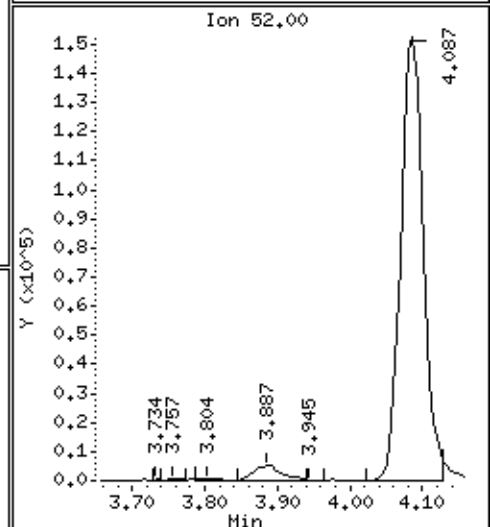
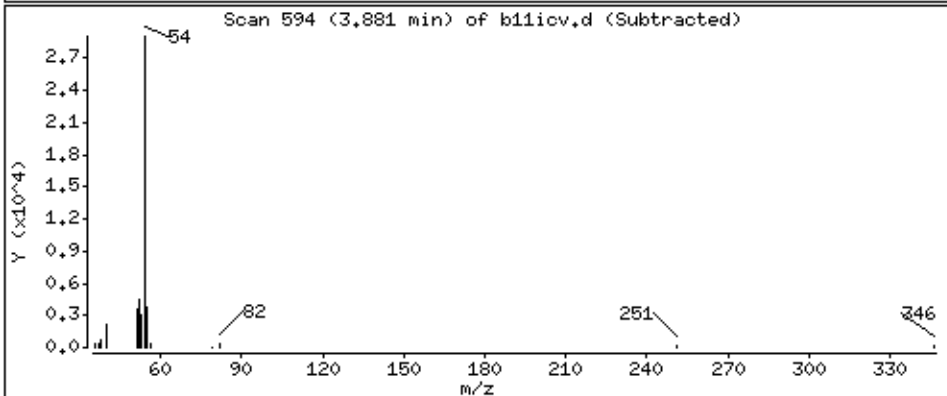
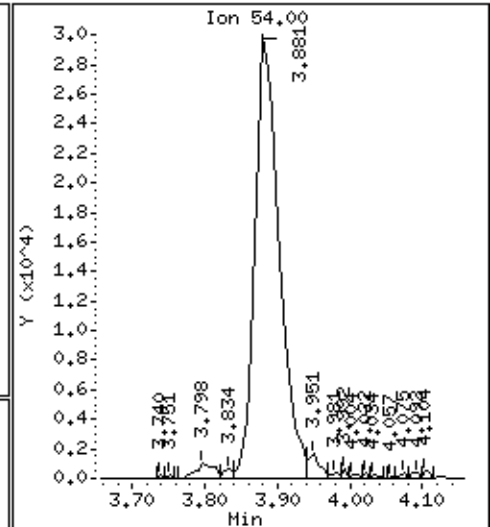
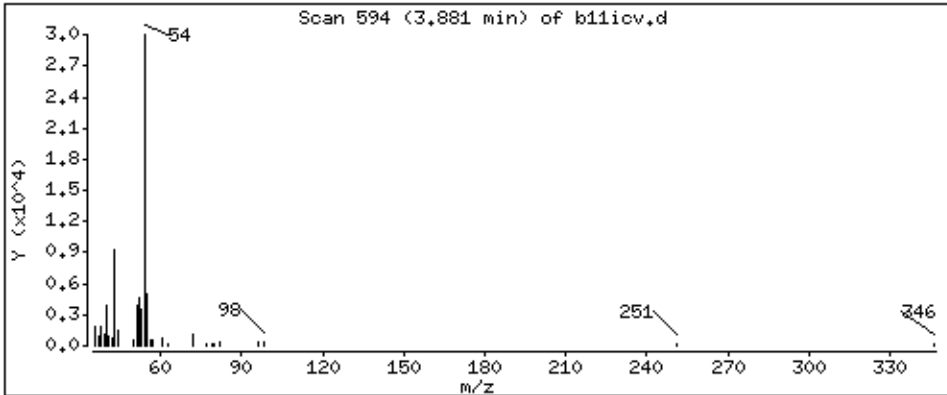
Operator: rsw

Column phase: DB-624

Column diameter: 0,18

30 Propionitrile

Concentration: 56,6 ppb



Date : 25-JUN-2014 21:03

Client ID: 8260-ICV

Instrument: 50mv4b.i

Sample Info: 8260-ICV,71418:0

Purge Volume: 5.0

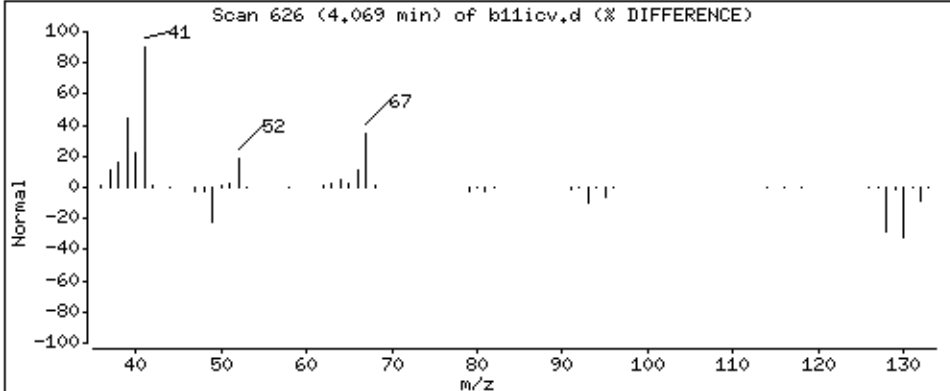
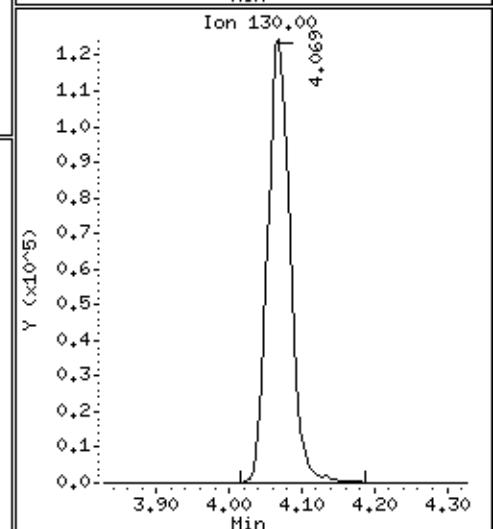
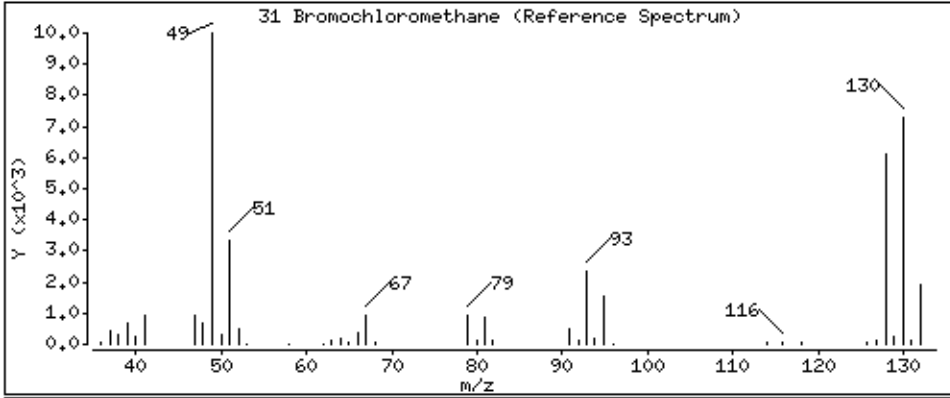
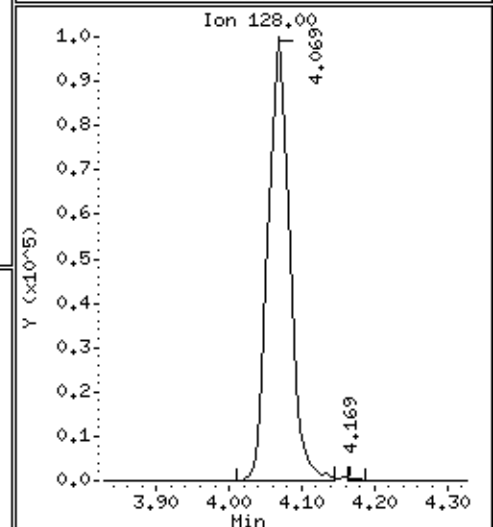
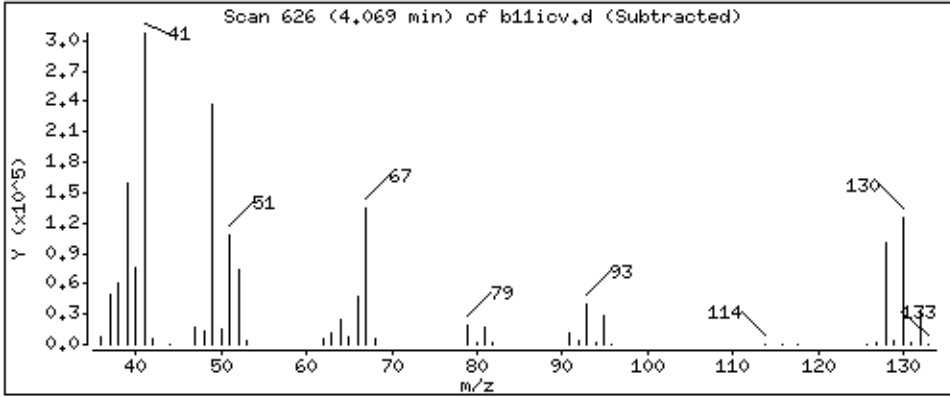
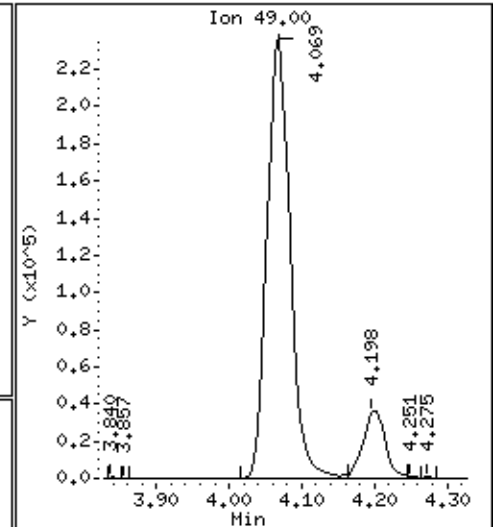
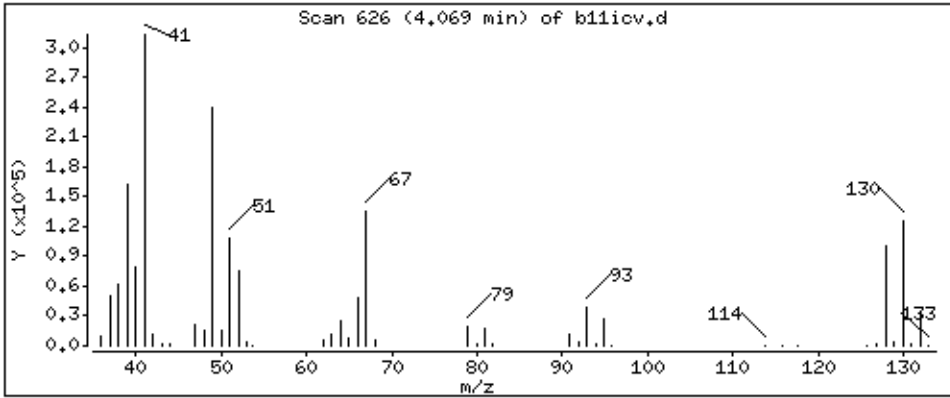
Operator: rsw

Column phase: DB-624

Column diameter: 0,18

31 Bromochloromethane

Concentration: 51.9 ppb



Date : 25-JUN-2014 21:03

Client ID: 8260-ICV

Instrument: 50mv4b.i

Sample Info: 8260-ICV,71418:0

Purge Volume: 5.0

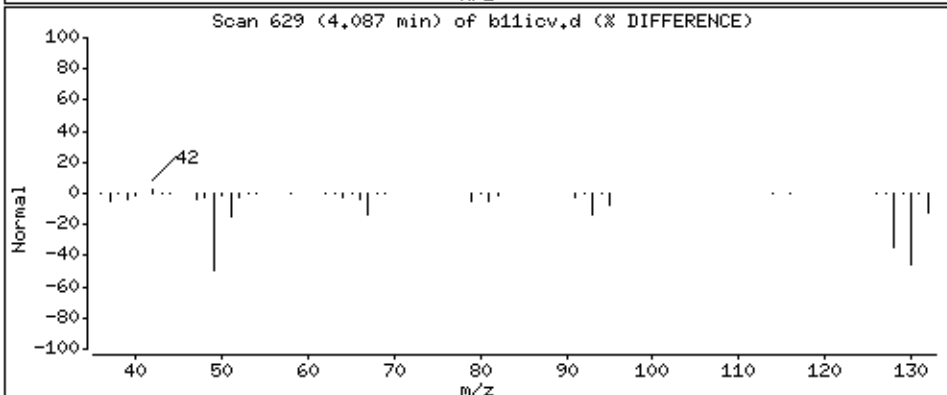
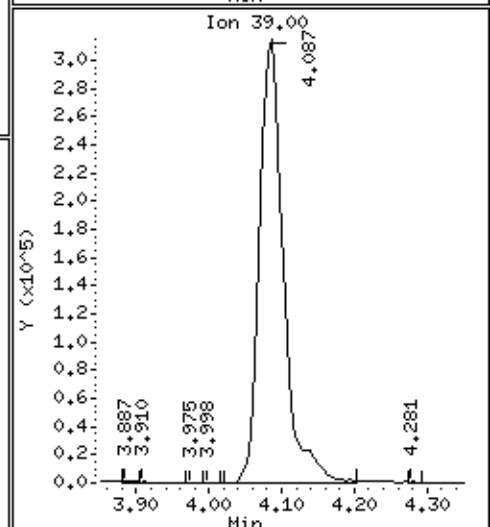
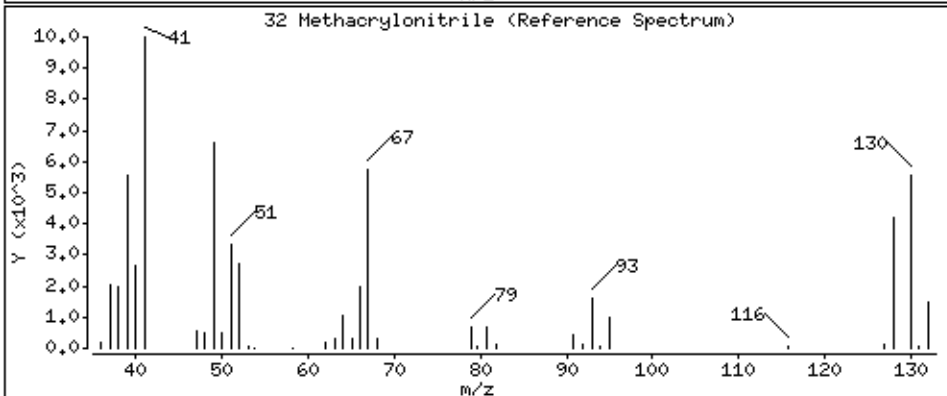
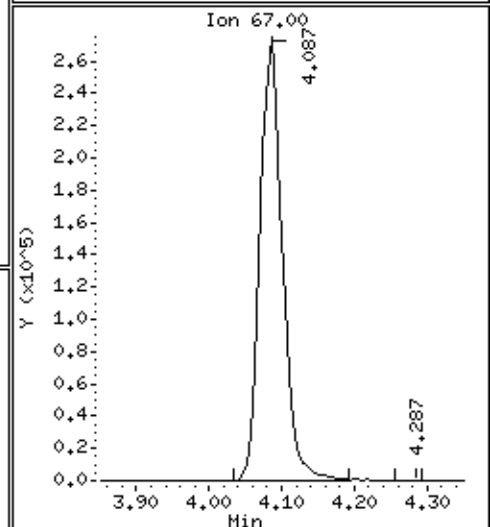
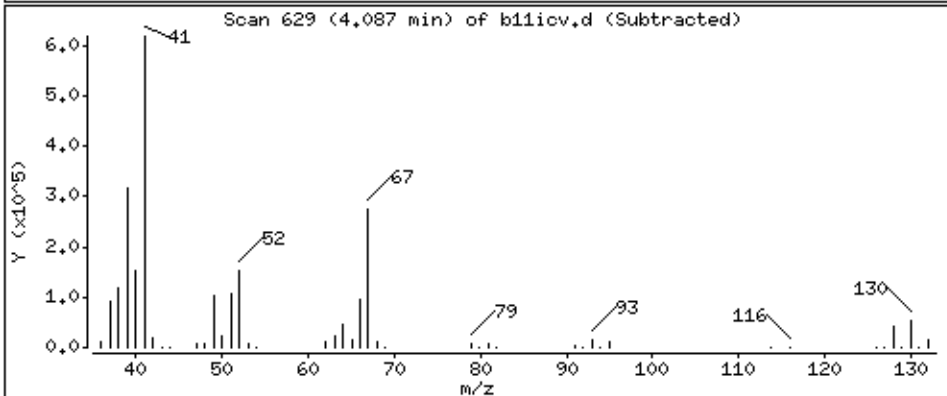
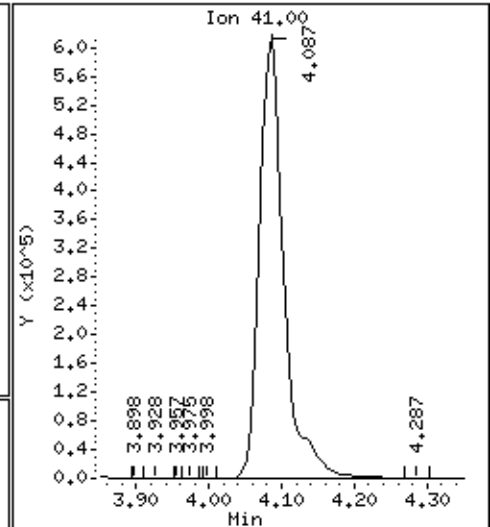
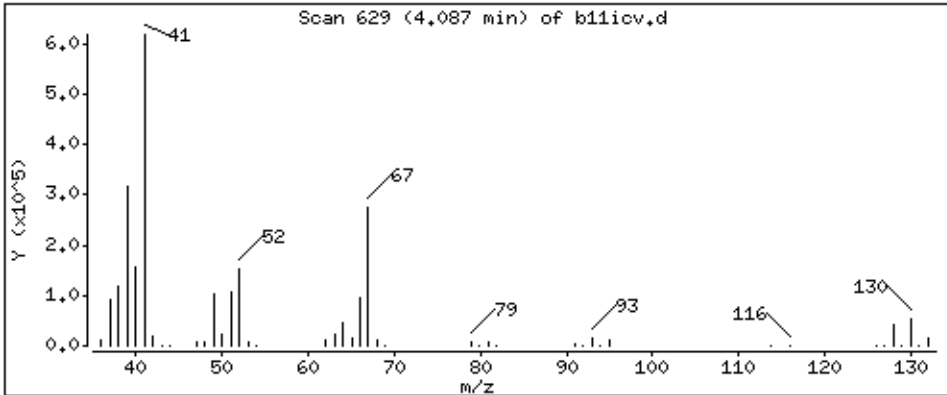
Operator: rsw

Column phase: DB-624

Column diameter: 0,18

32 Methacrylonitrile

Concentration: 209 ppb



Date : 25-JUN-2014 21:03

Client ID: 8260-ICV

Instrument: 50mv4b.i

Sample Info: 8260-ICV,71418:0

Purge Volume: 5.0

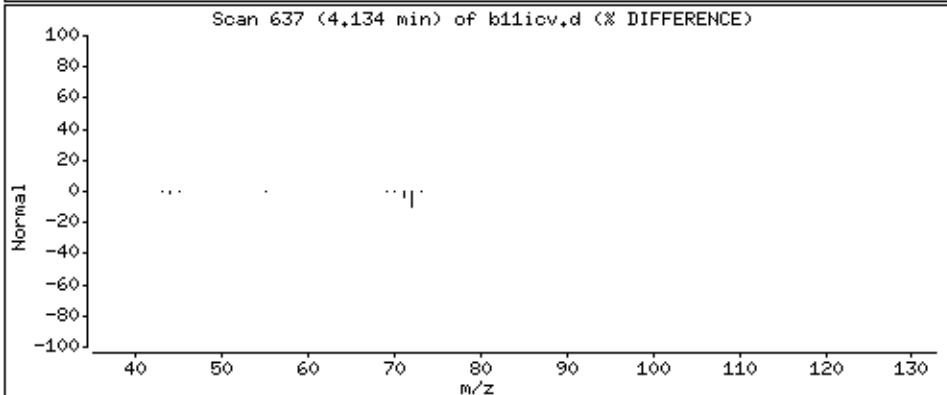
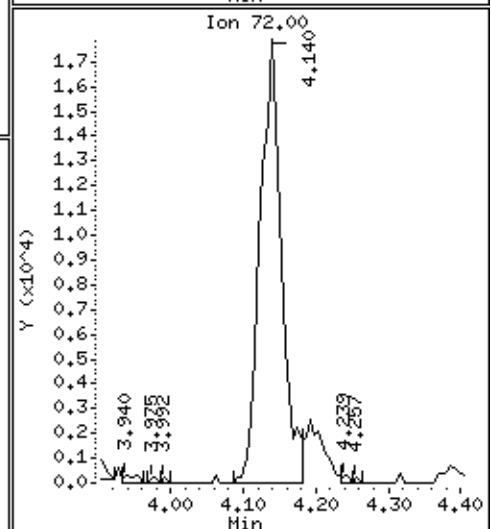
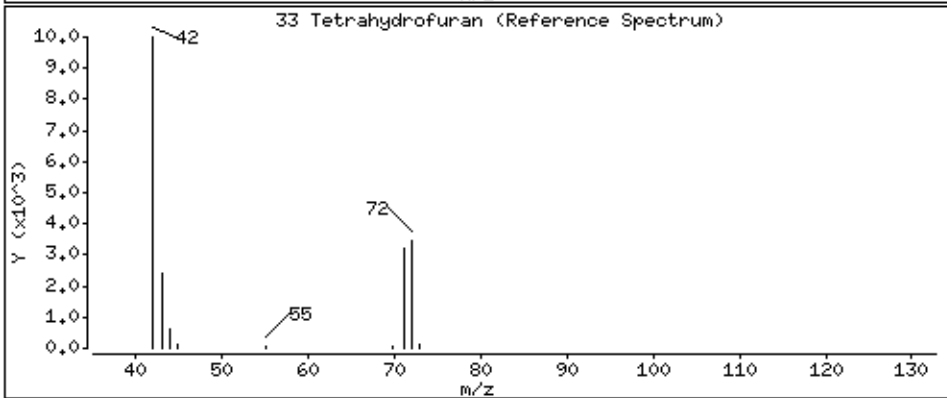
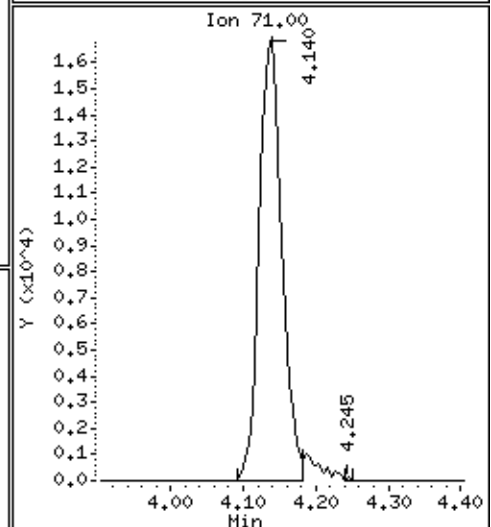
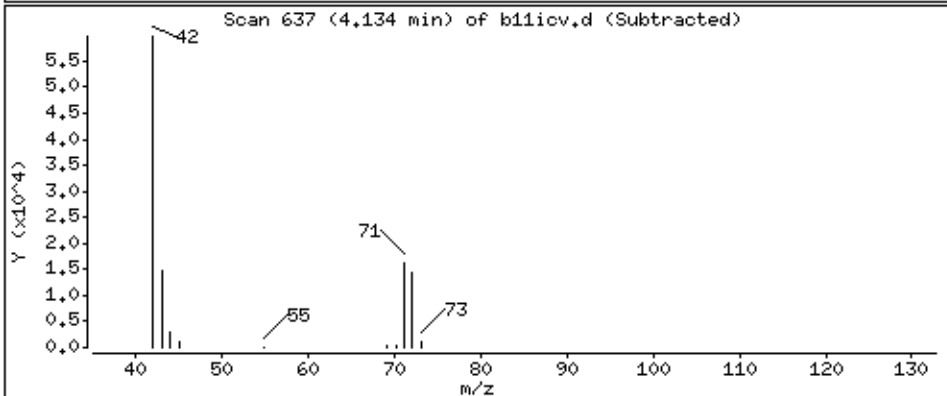
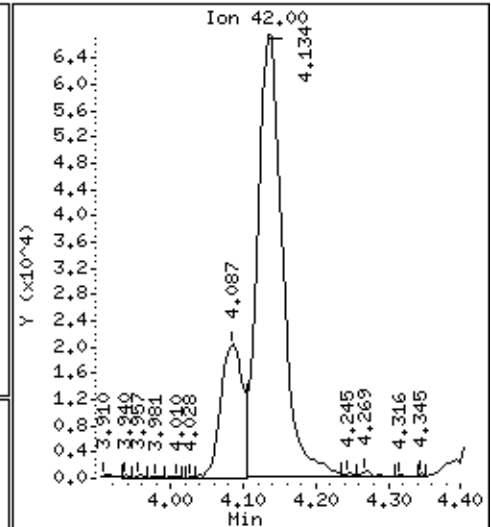
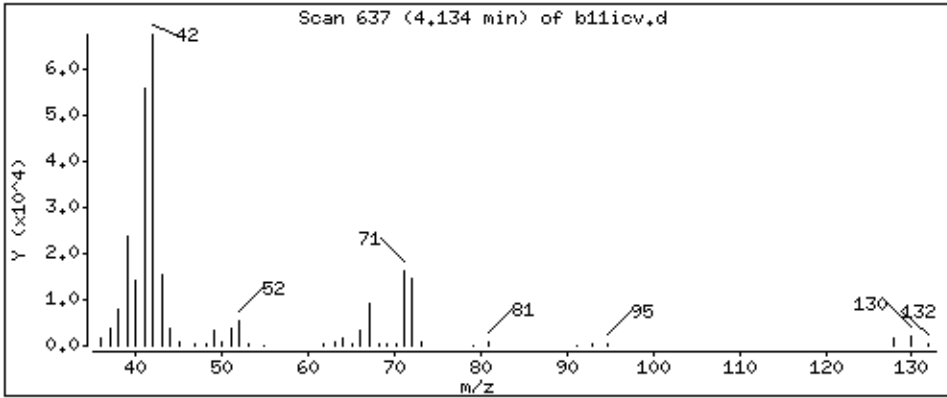
Operator: rsw

Column phase: DB-624

Column diameter: 0,18

33 Tetrahydrofuran

Concentration: 44,2 ppb



Date : 25-JUN-2014 21:03

Client ID: 8260-ICV

Instrument: 50mv4b.i

Sample Info: 8260-ICV,71418:0

Purge Volume: 5.0

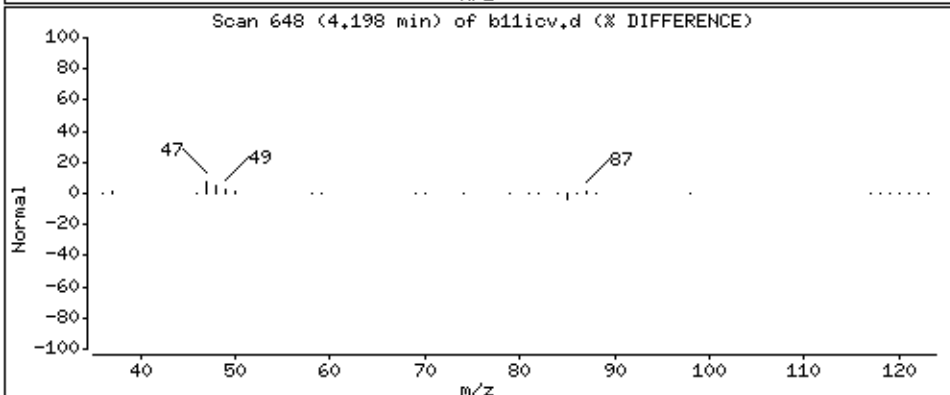
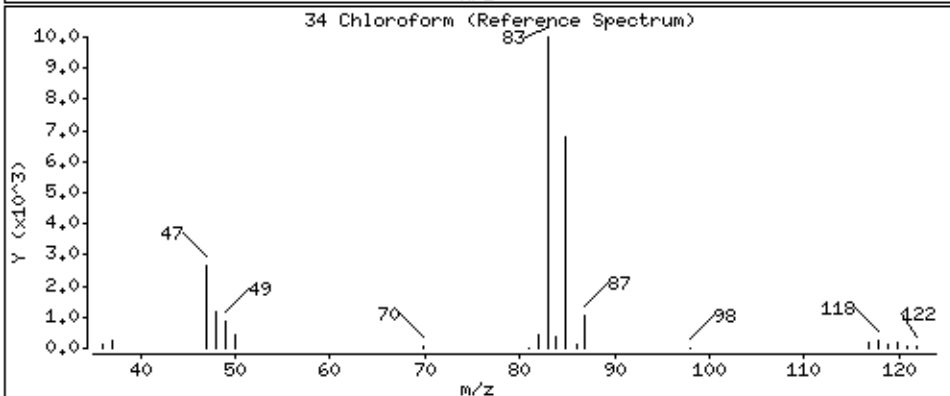
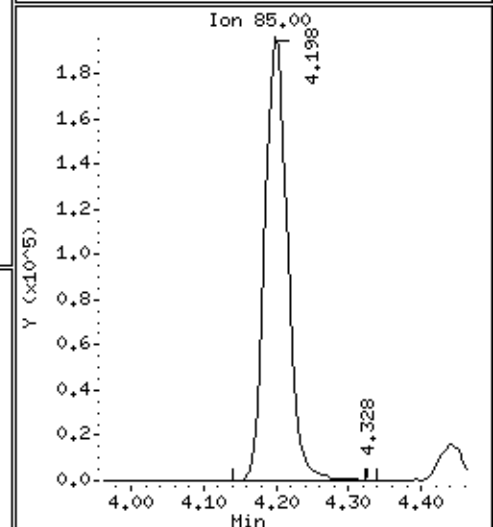
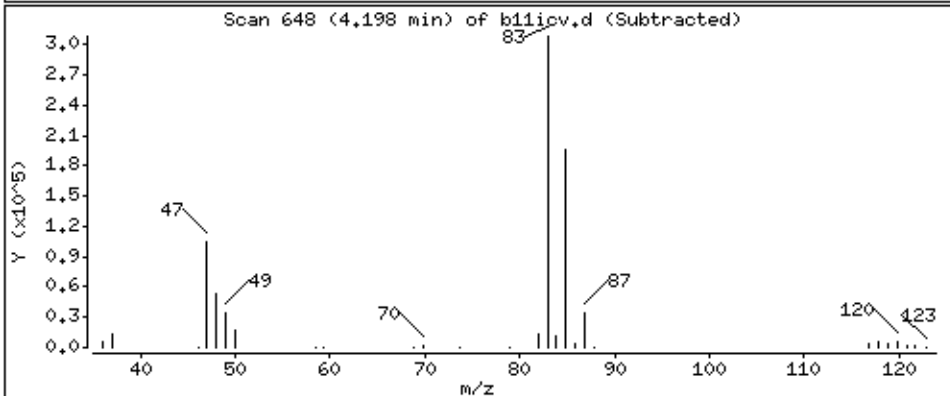
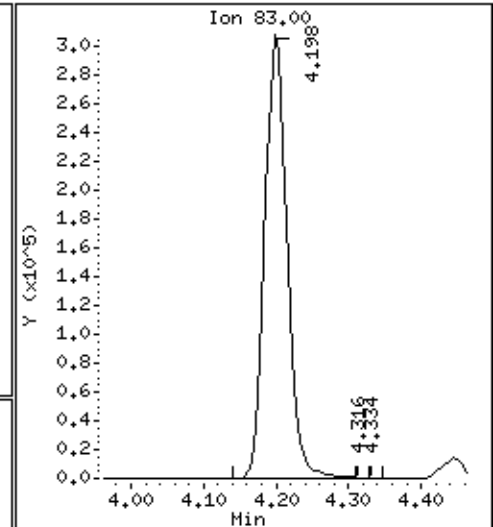
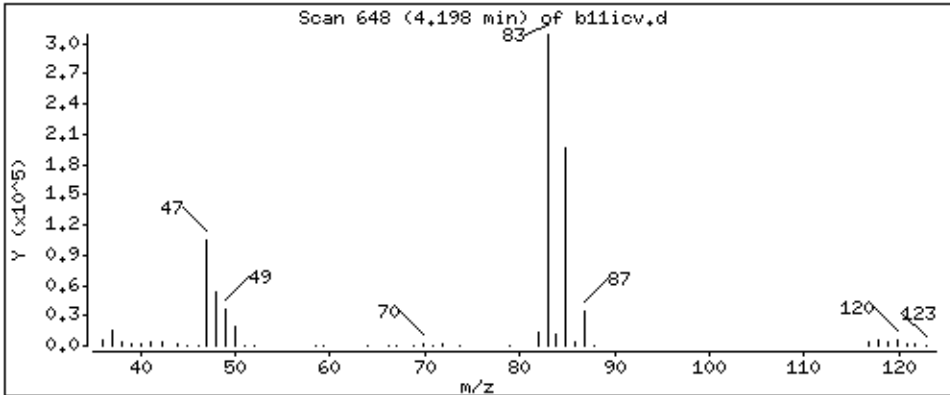
Operator: rsw

Column phase: DB-624

Column diameter: 0,18

34 Chloroform

Concentration: 53,1 ppb



Date : 25-JUN-2014 21:03

Client ID: 8260-ICV

Instrument: 50mv4b.i

Sample Info: 8260-ICV,71418:0

Purge Volume: 5.0

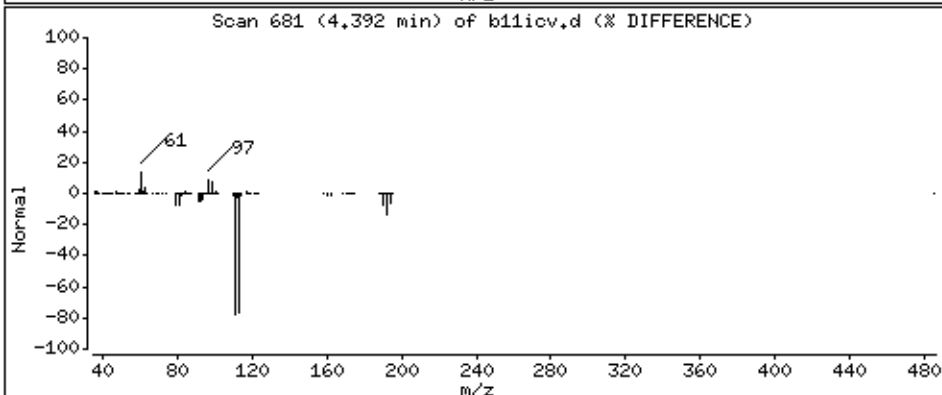
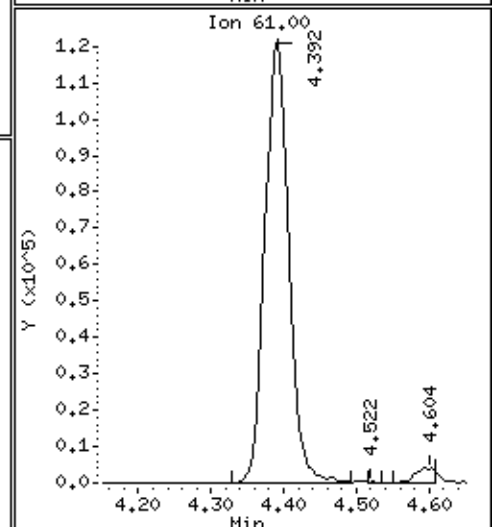
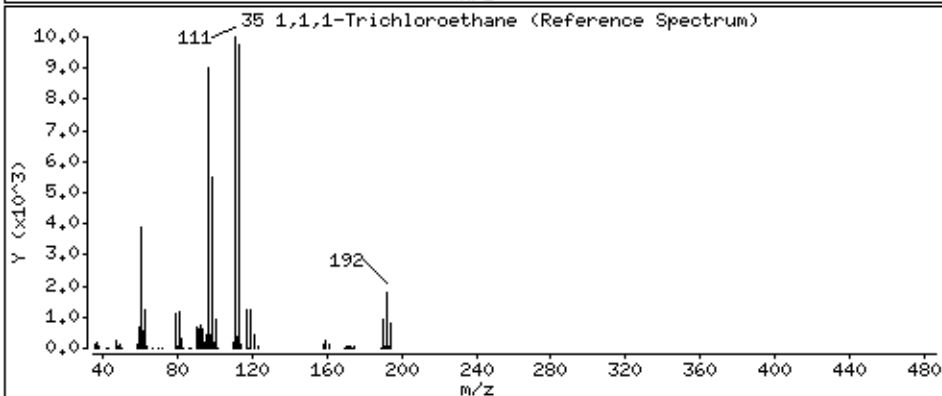
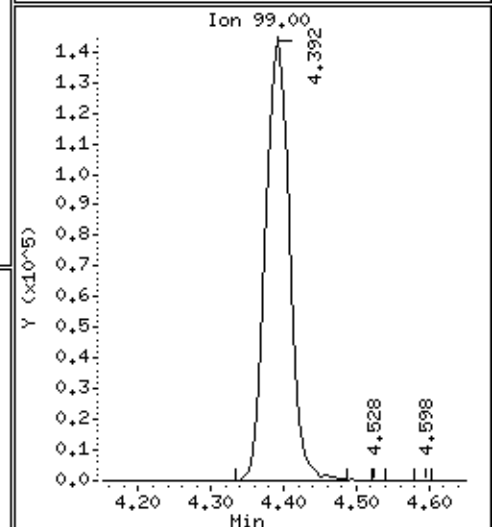
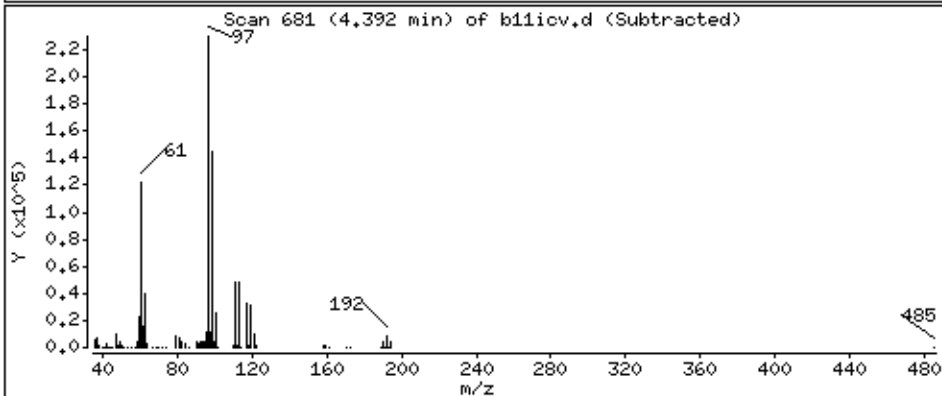
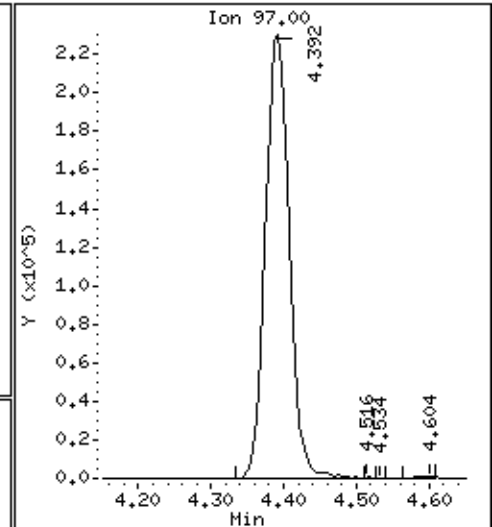
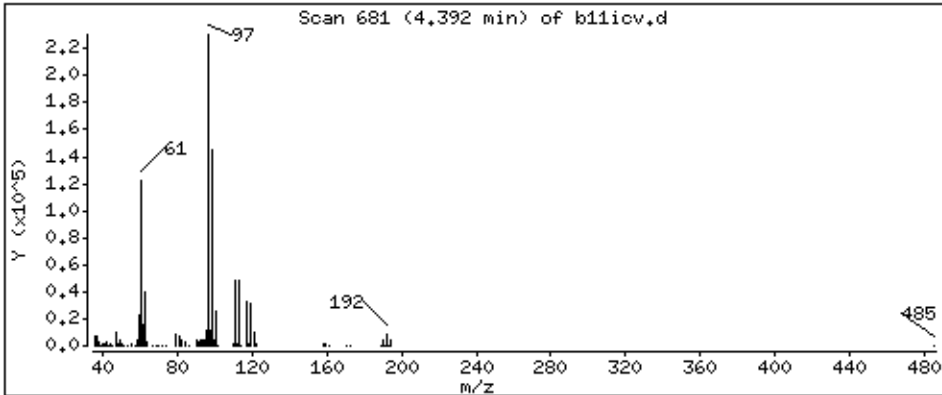
Operator: rsw

Column phase: DB-624

Column diameter: 0,18

35 1,1,1-Trichloroethane

Concentration: 58,9 ppb



Date : 25-JUN-2014 21:03

Client ID: 8260-ICV

Instrument: 50mv4b.i

Sample Info: 8260-ICV,71418:0

Purge Volume: 5.0

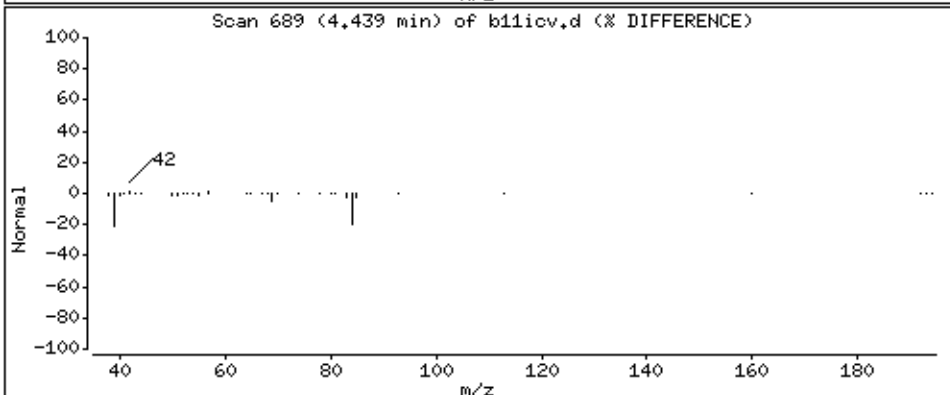
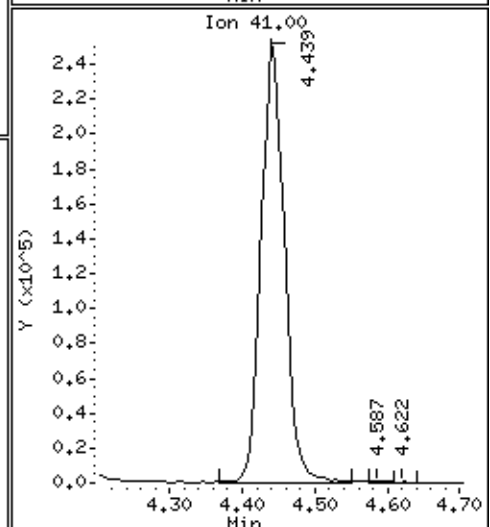
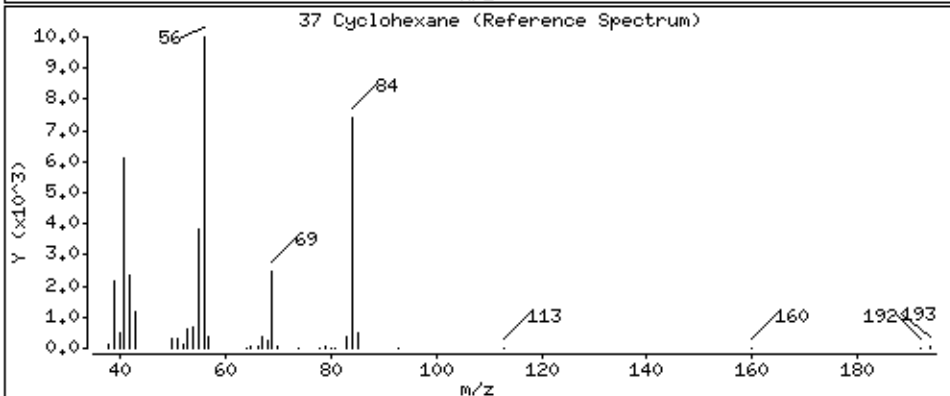
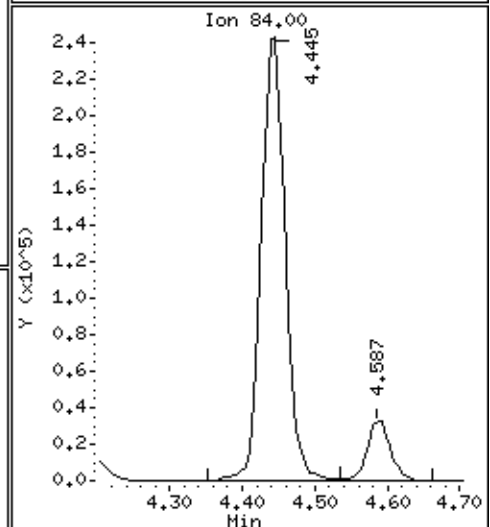
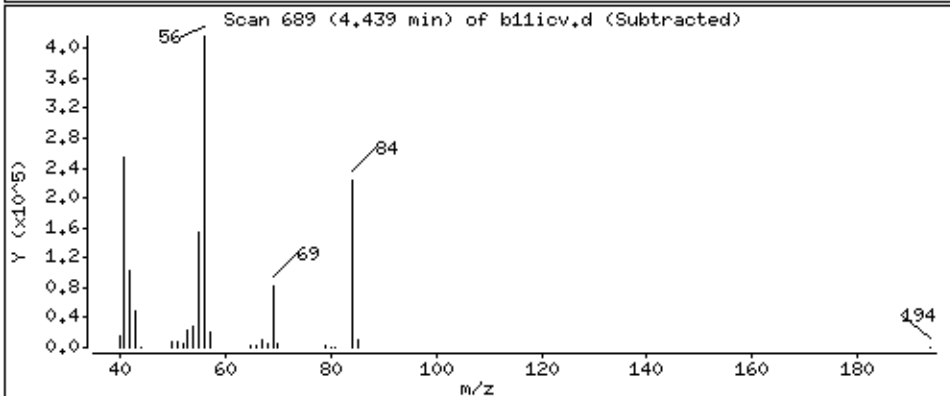
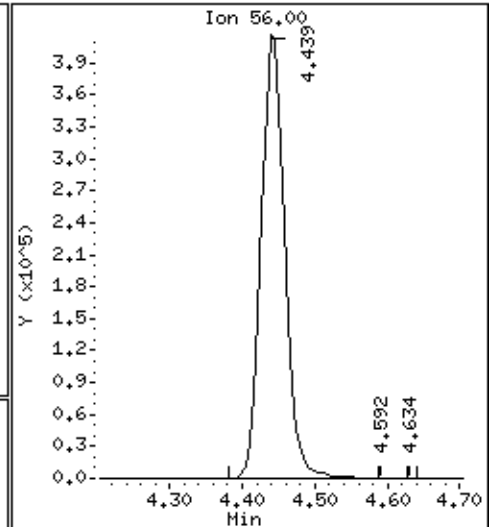
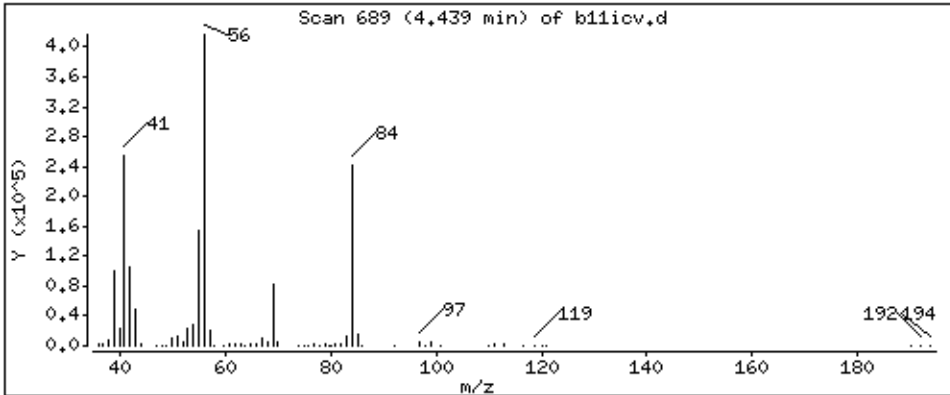
Operator: rsw

Column phase: DB-624

Column diameter: 0,18

37 Cyclohexane

Concentration: 57.2 ppb



Date : 25-JUN-2014 21:03

Client ID: 8260-ICV

Instrument: 50mv4b.i

Sample Info: 8260-ICV,71418:0

Purge Volume: 5.0

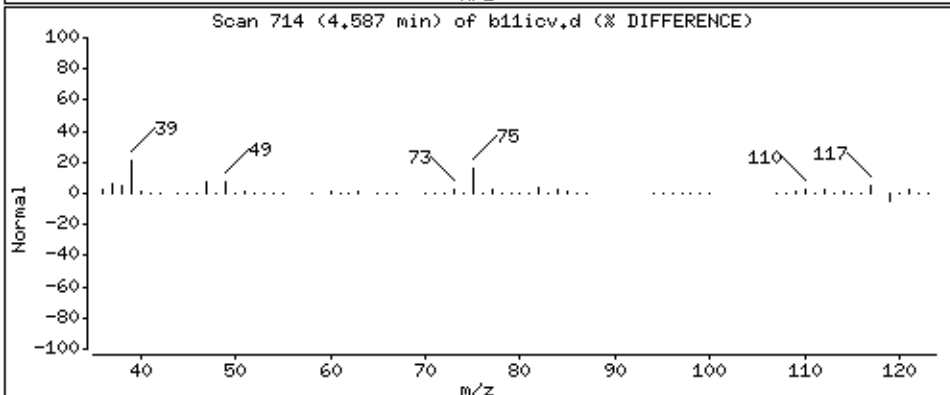
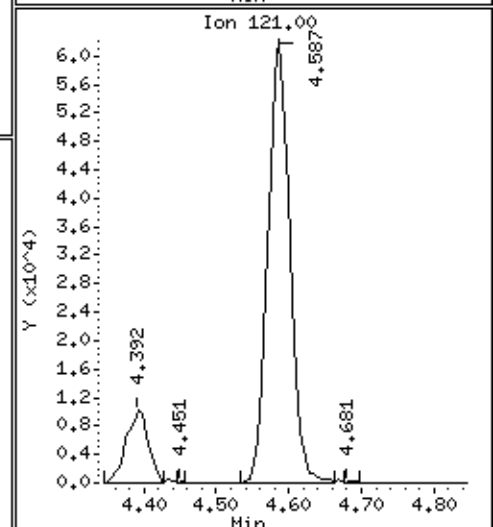
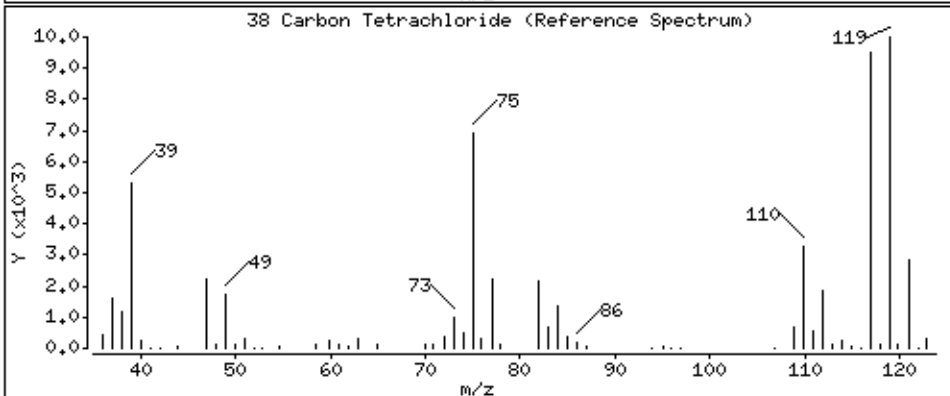
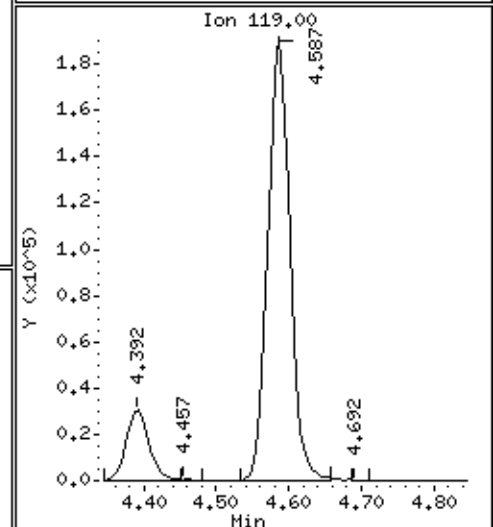
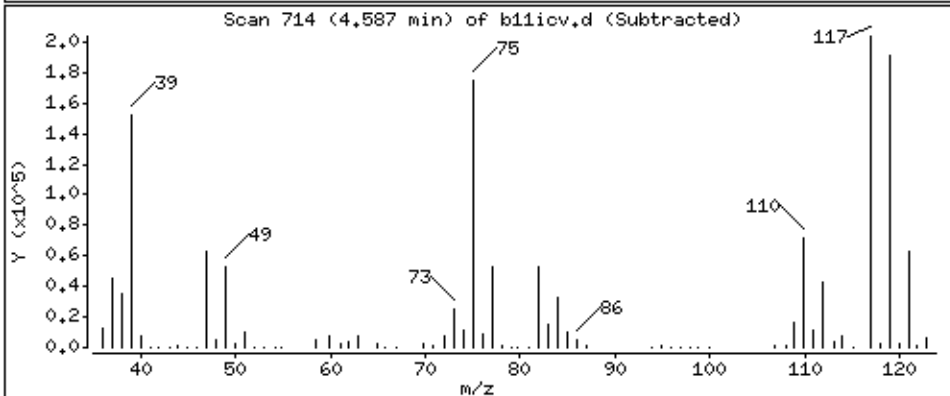
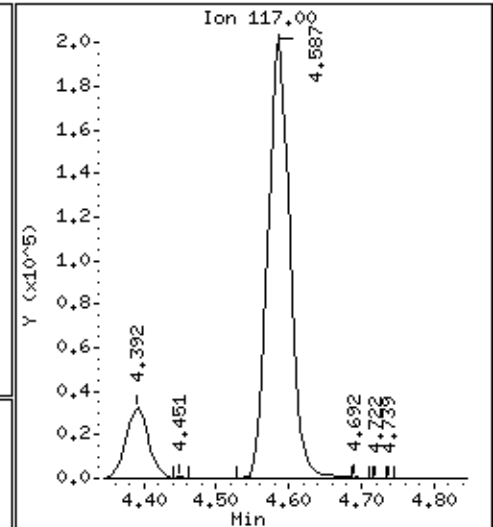
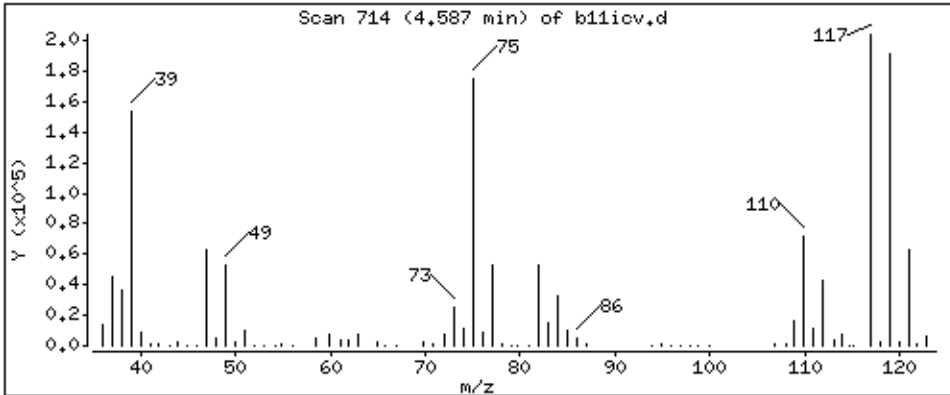
Operator: rsw

Column phase: DB-624

Column diameter: 0,18

38 Carbon Tetrachloride

Concentration: 59,6 ppb



Date : 25-JUN-2014 21:03

Client ID: 8260-ICV

Instrument: 50mv4b.i

Sample Info: 8260-ICV,71418:0

Purge Volume: 5.0

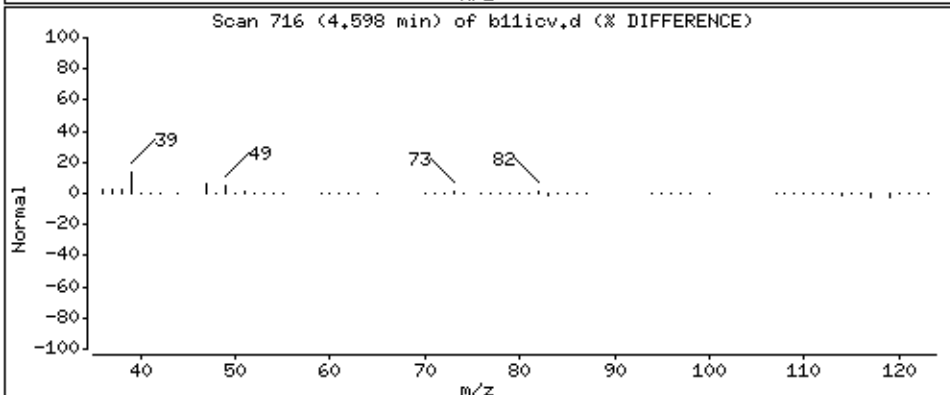
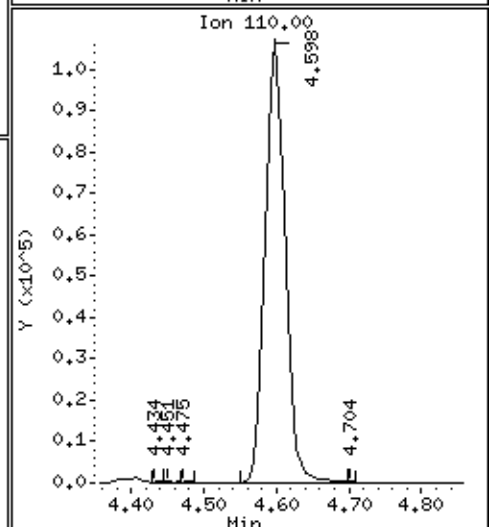
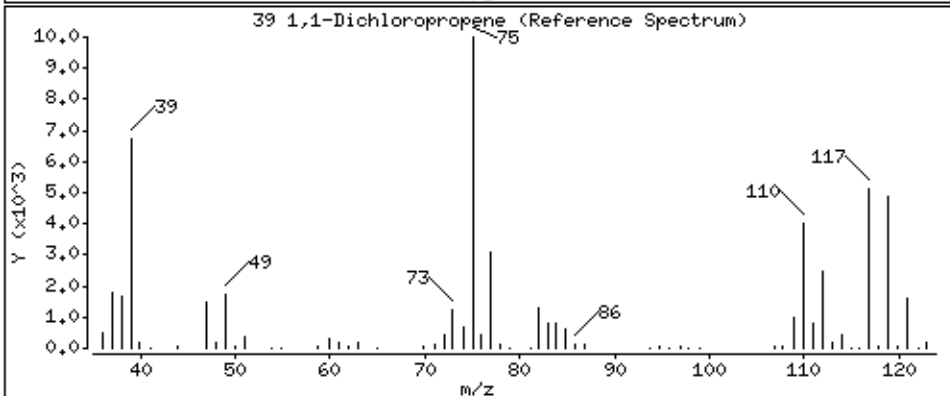
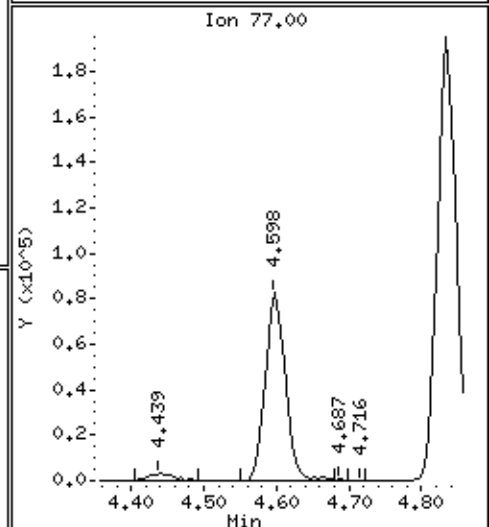
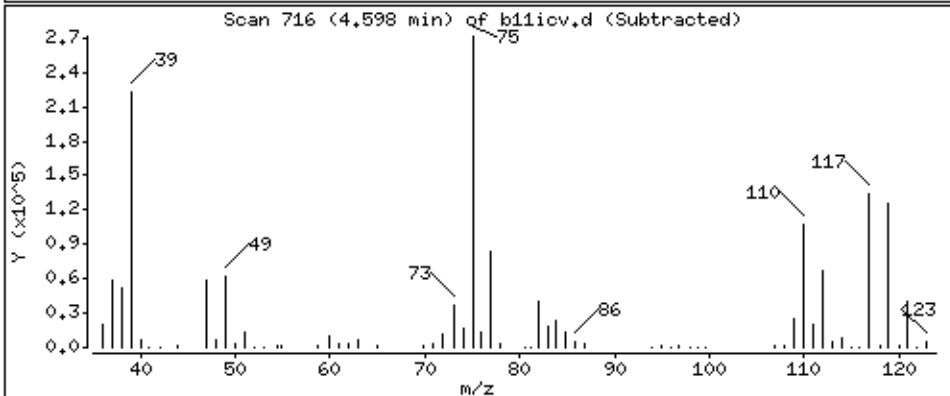
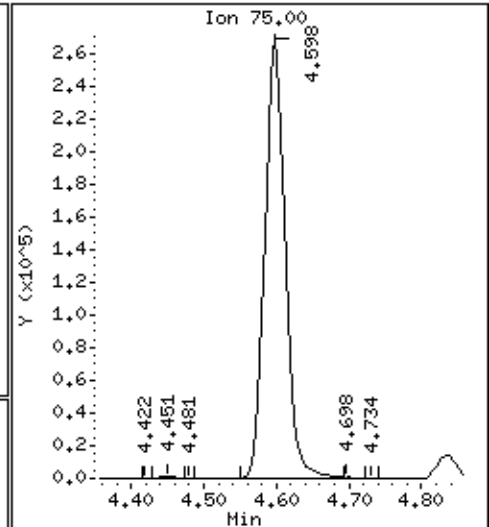
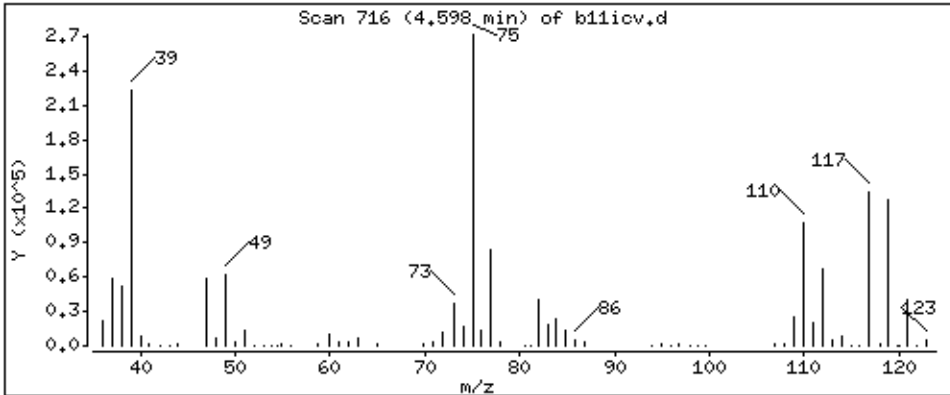
Operator: rsw

Column phase: DB-624

Column diameter: 0,18

39 1,1-Dichloropropene

Concentration: 55,5 ppb



Date : 25-JUN-2014 21:03

Client ID: 8260-ICV

Instrument: 50mv4b.i

Sample Info: 8260-ICV,71418:0

Purge Volume: 5.0

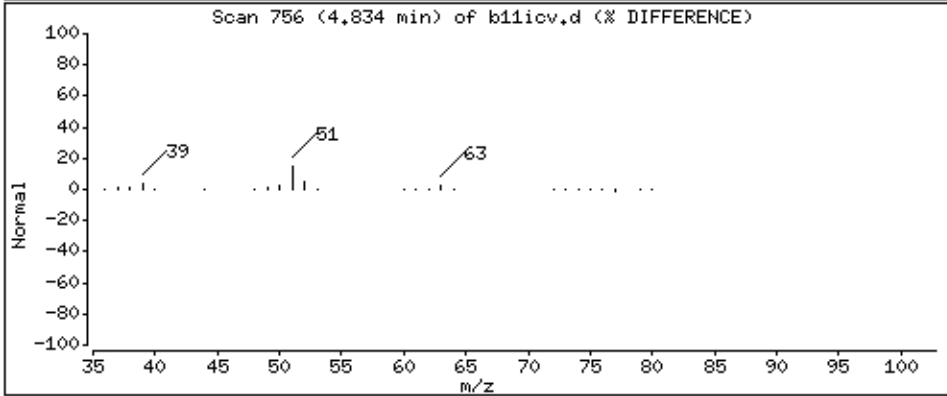
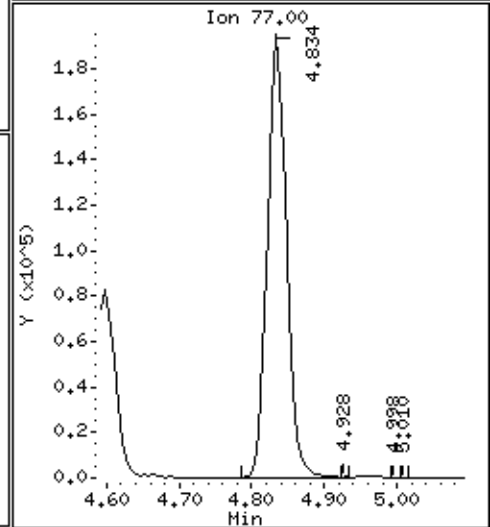
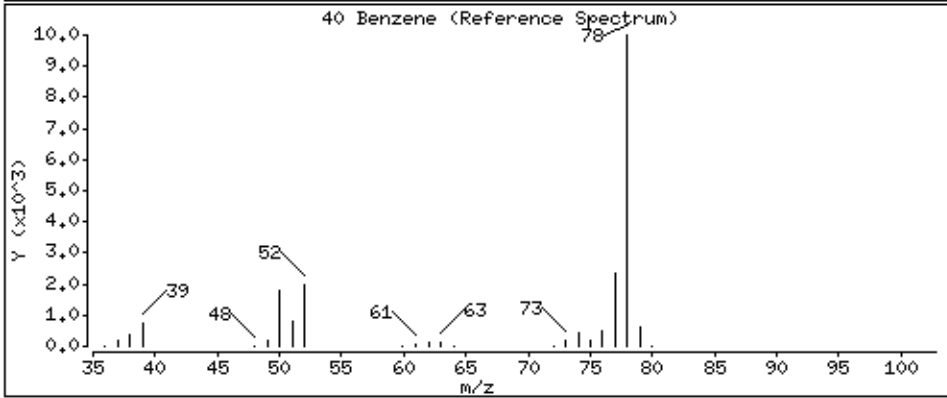
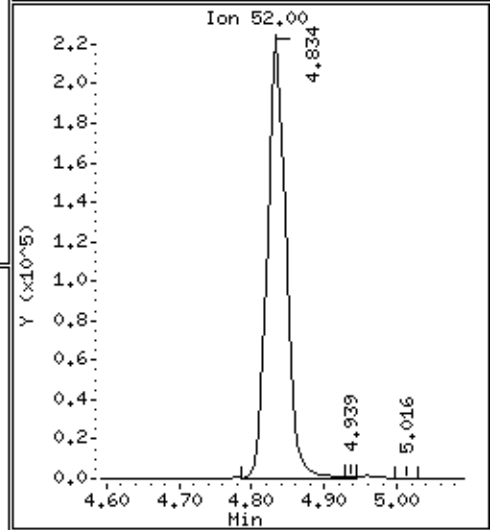
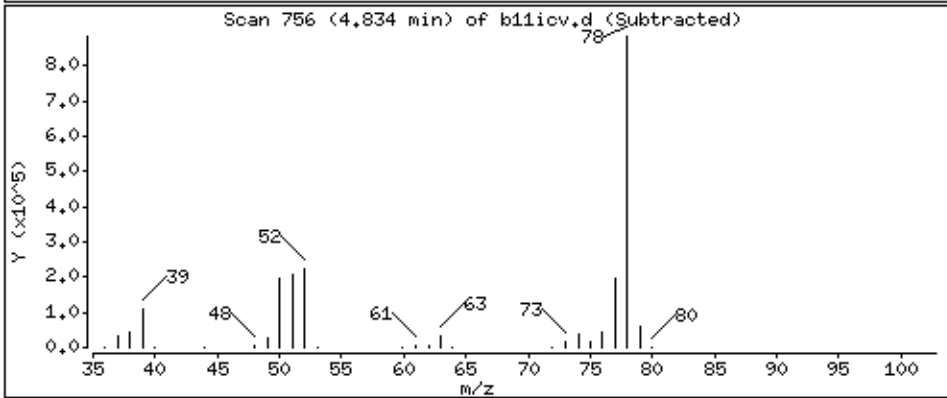
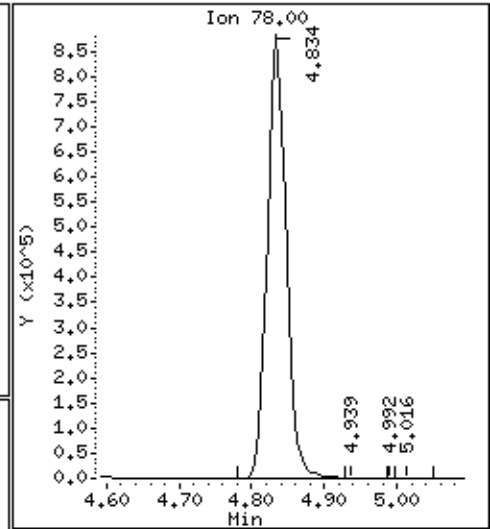
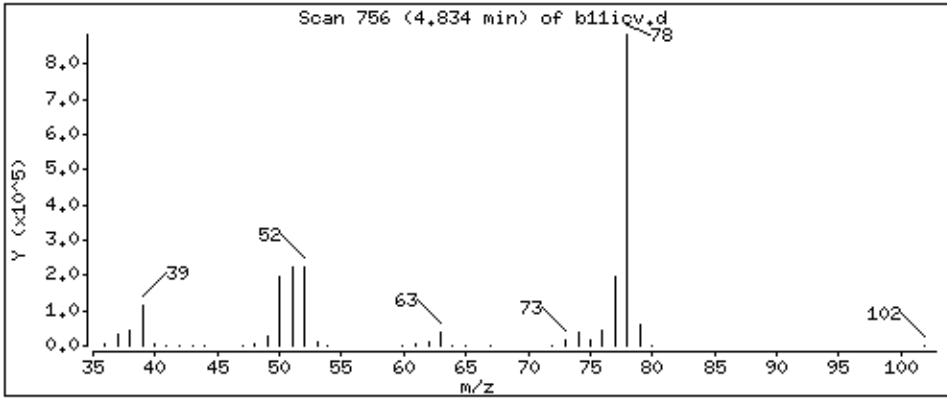
Operator: rsw

Column phase: DB-624

Column diameter: 0,18

40 Benzene

Concentration: 54,2 ppb



Date : 25-JUN-2014 21:03

Client ID: 8260-ICV

Instrument: 50mv4b.i

Sample Info: 8260-ICV,71418:0

Purge Volume: 5.0

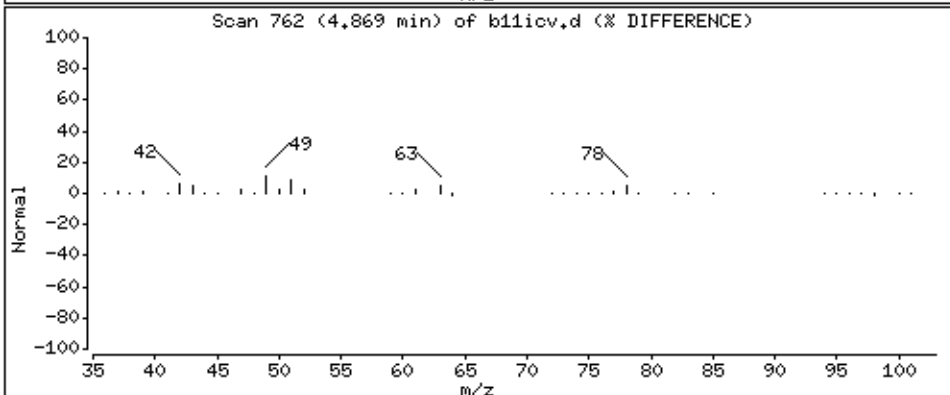
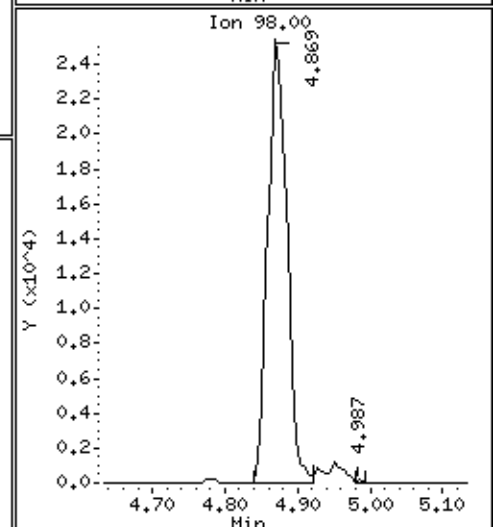
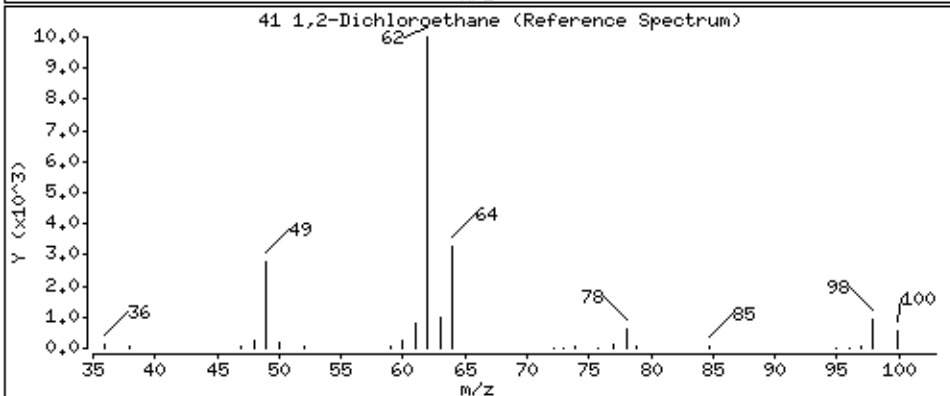
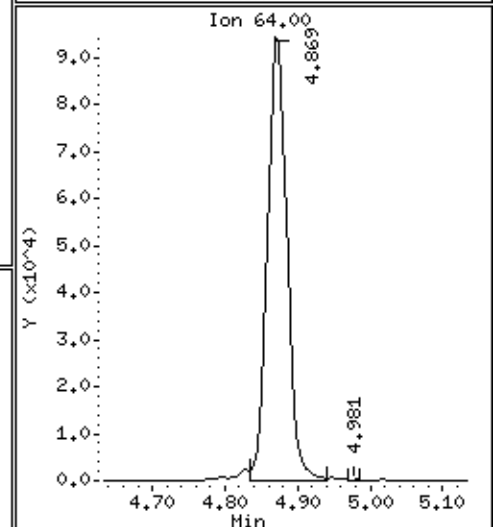
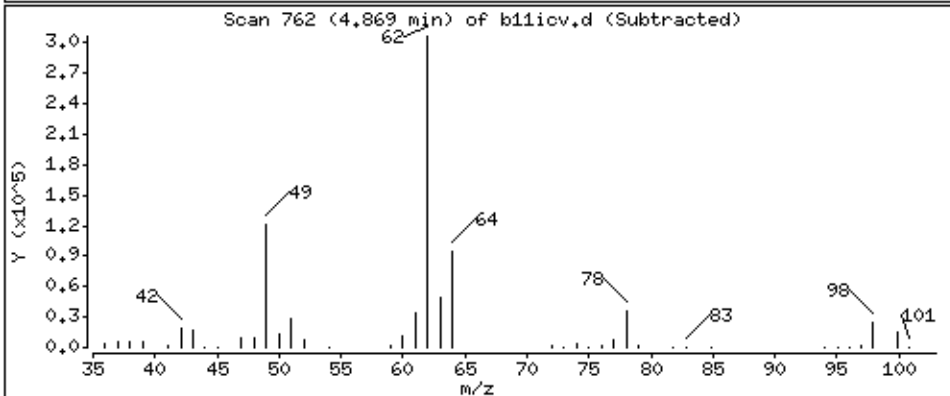
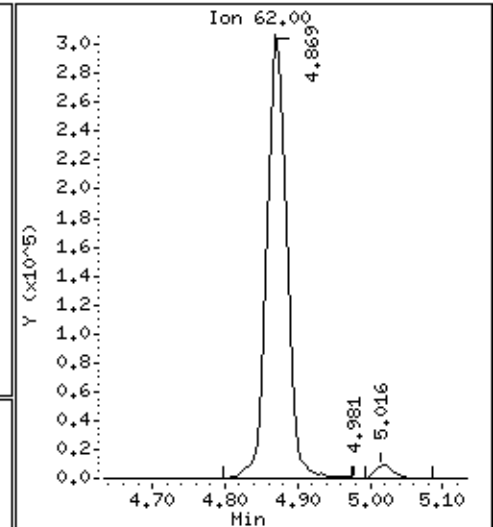
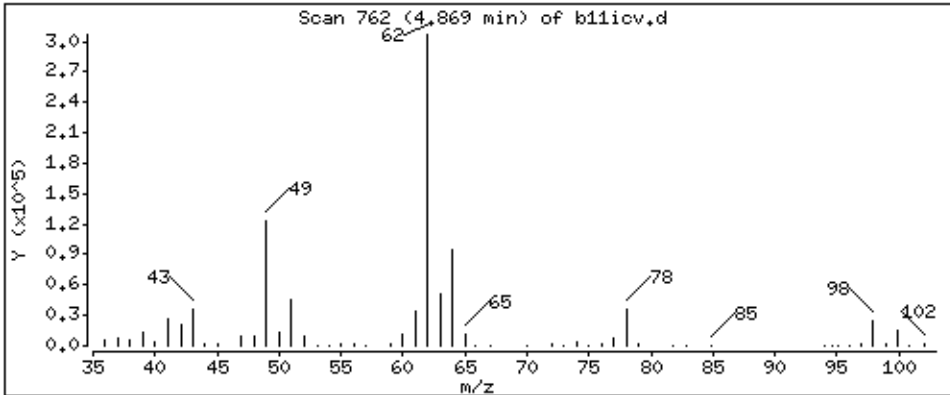
Operator: rsw

Column phase: DB-624

Column diameter: 0,18

41 1,2-Dichloroethane

Concentration: 49.4 ppb



Date : 25-JUN-2014 21:03

Client ID: 8260-ICV

Instrument: 50mv4b.i

Sample Info: 8260-ICV,71418:0

Purge Volume: 5.0

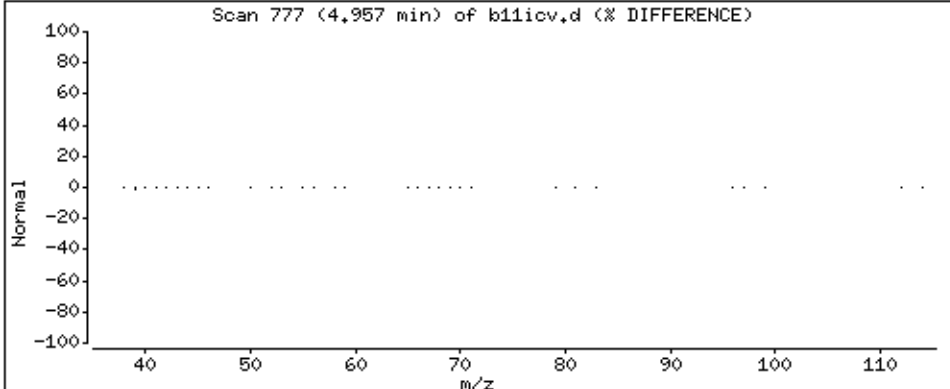
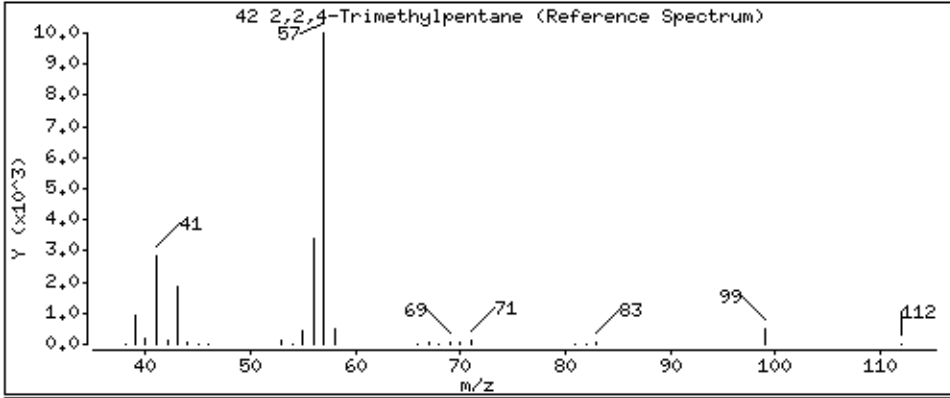
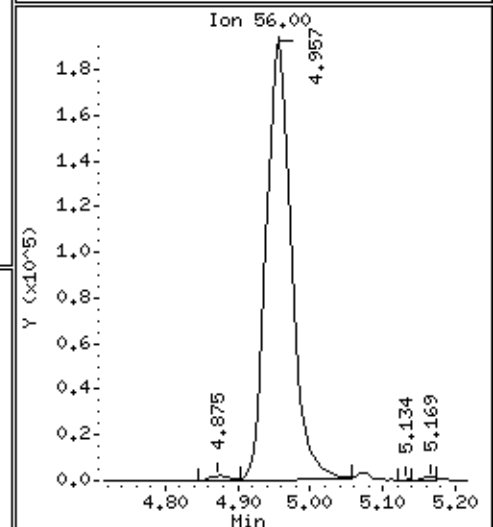
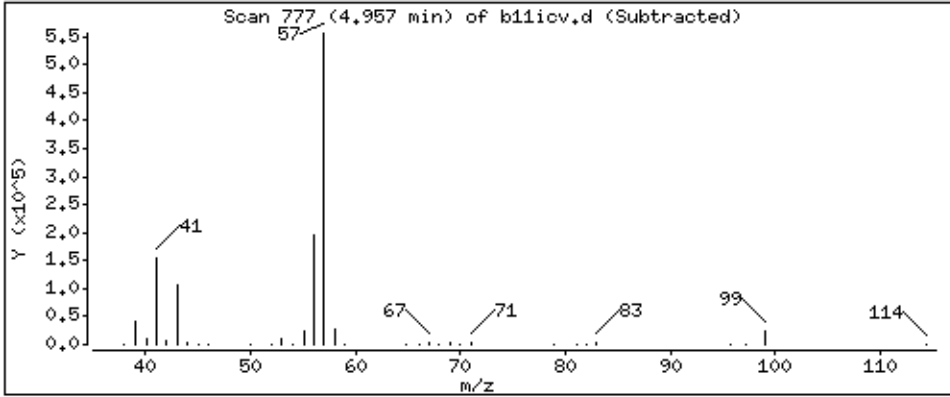
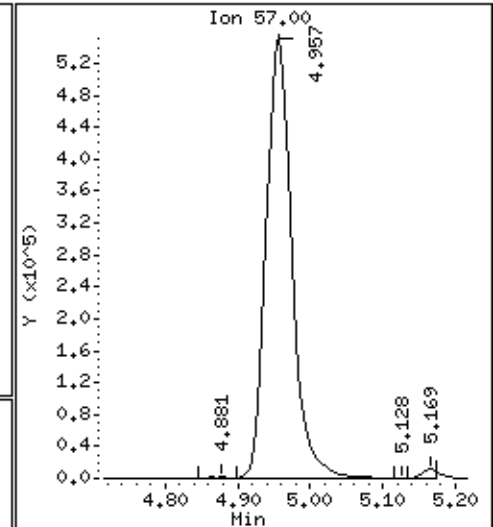
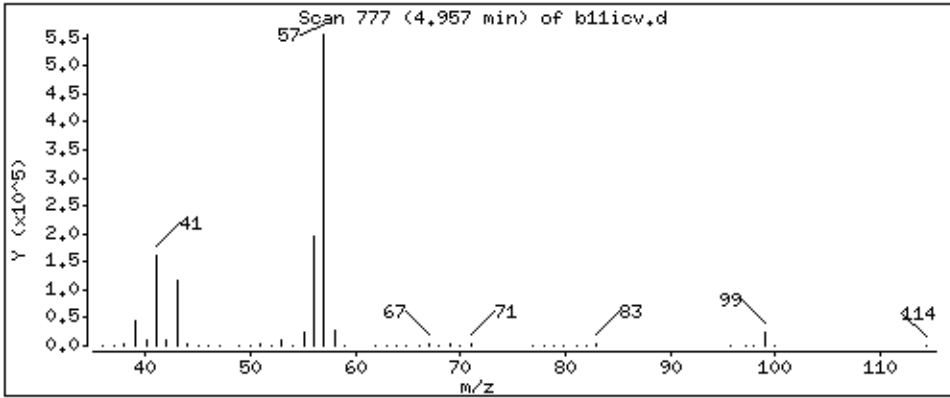
Operator: rsw

Column phase: DB-624

Column diameter: 0,18

42 2,2,4-Trimethylpentane

Concentration: 53,4 ppb



Date : 25-JUN-2014 21:03

Client ID: 8260-ICV

Instrument: 50mv4b.i

Sample Info: 8260-ICV,71418:0

Purge Volume: 5.0

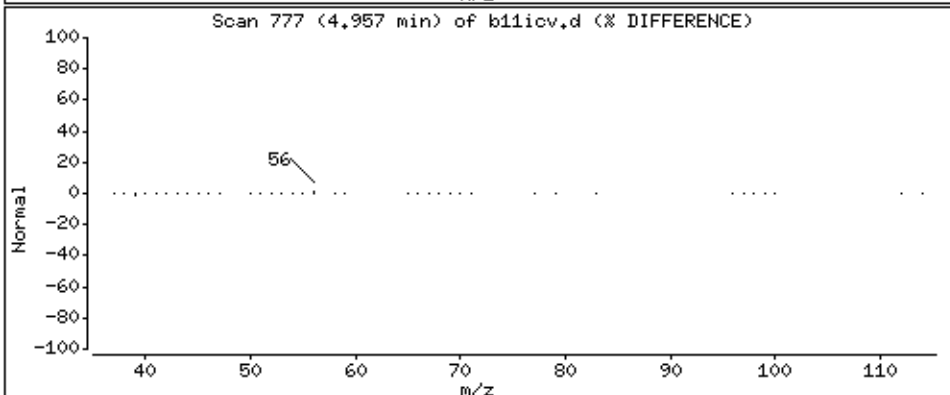
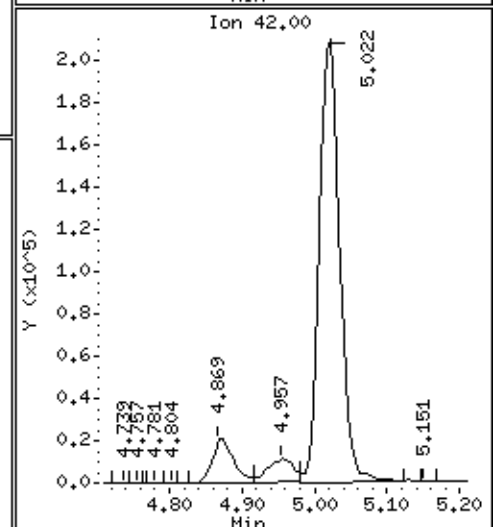
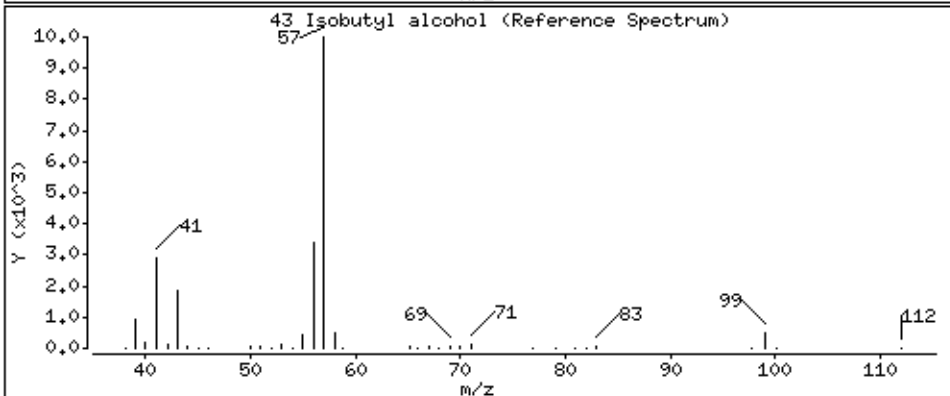
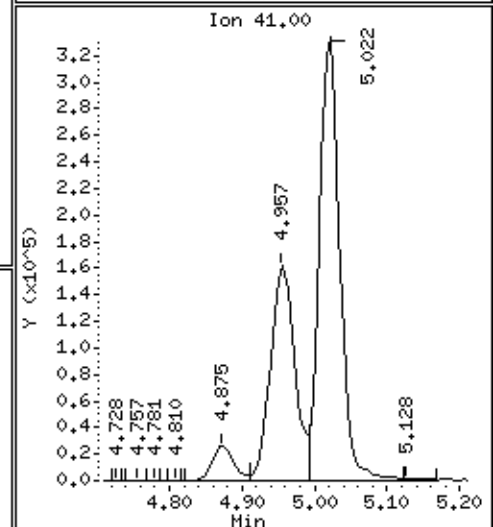
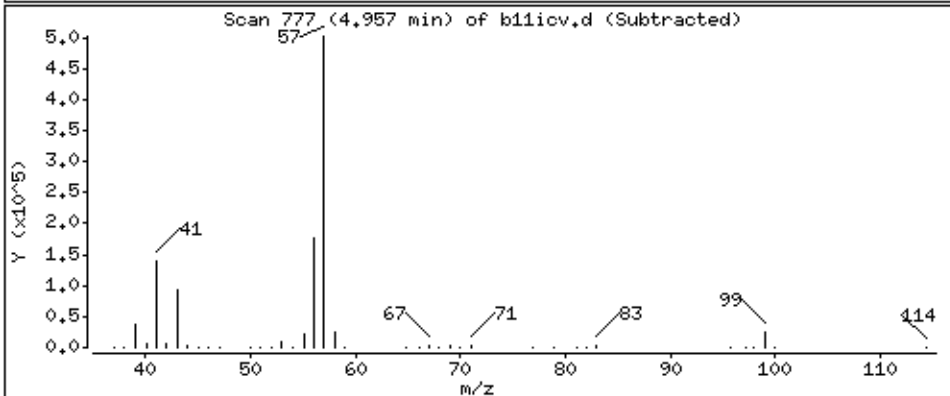
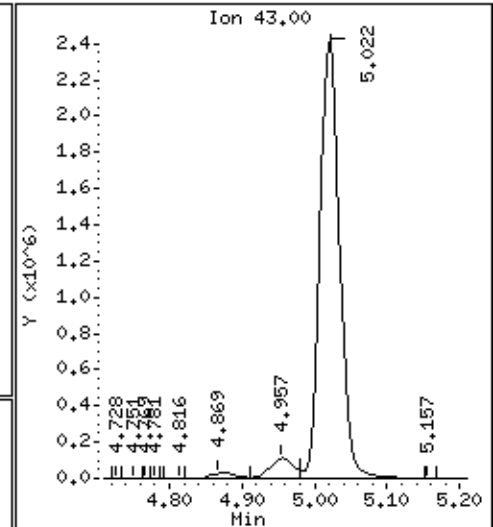
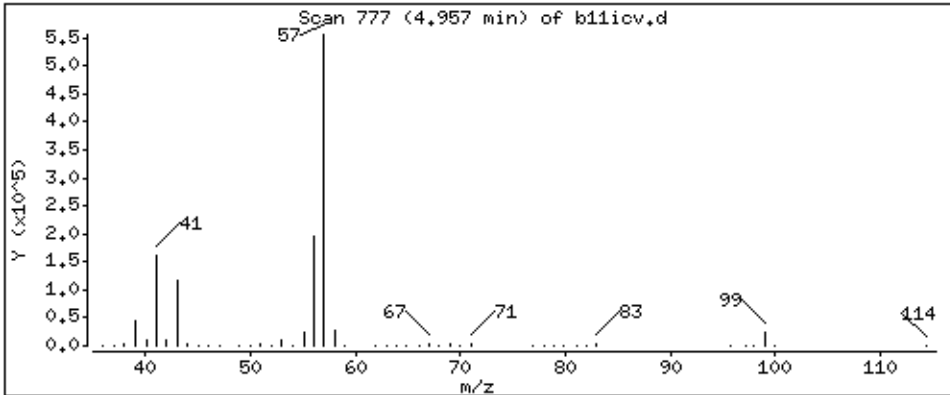
Operator: rsw

Column phase: DB-624

Column diameter: 0,18

43 Isobutyl alcohol

Concentration: 46,6 ppb



Date : 25-JUN-2014 21:03

Client ID: 8260-ICV

Instrument: 50mv4b.i

Sample Info: 8260-ICV,71418:0

Purge Volume: 5.0

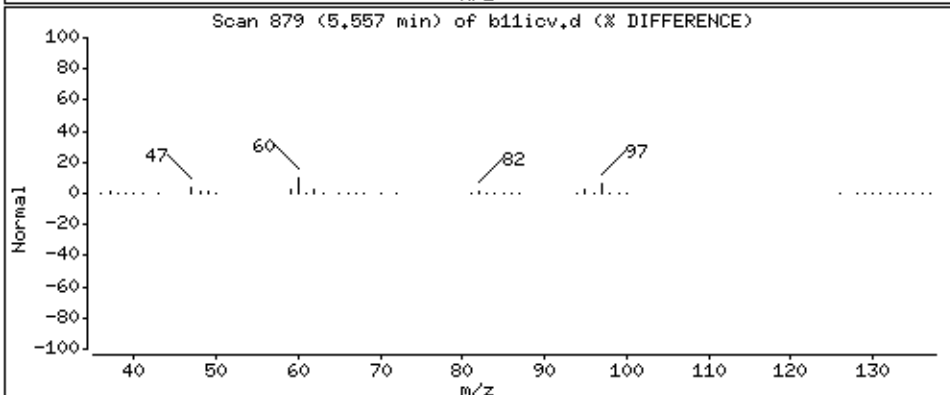
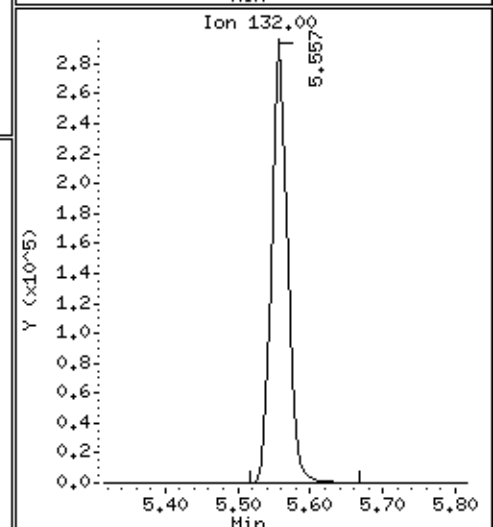
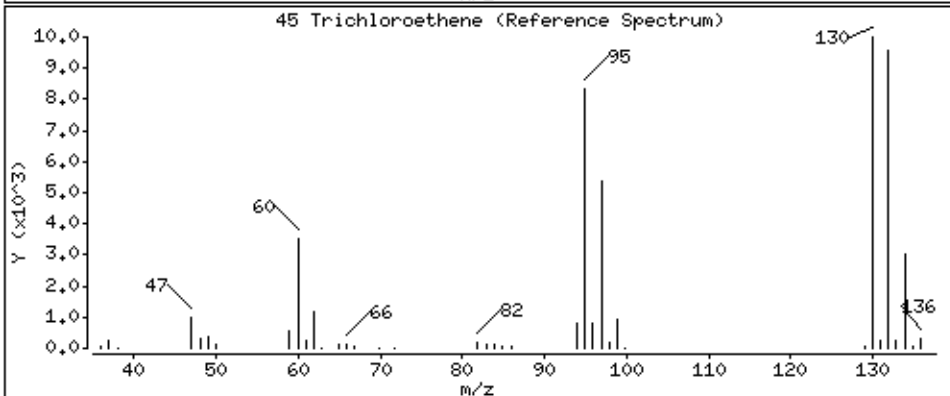
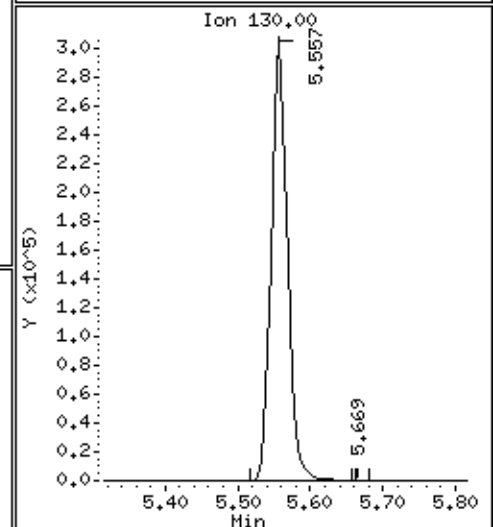
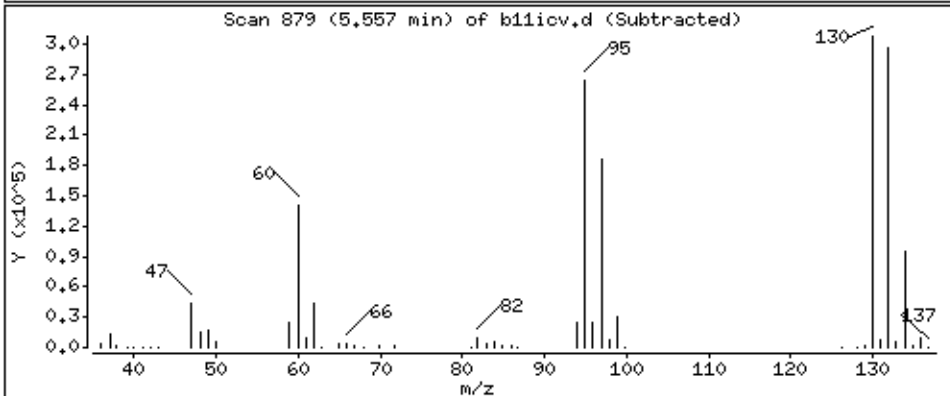
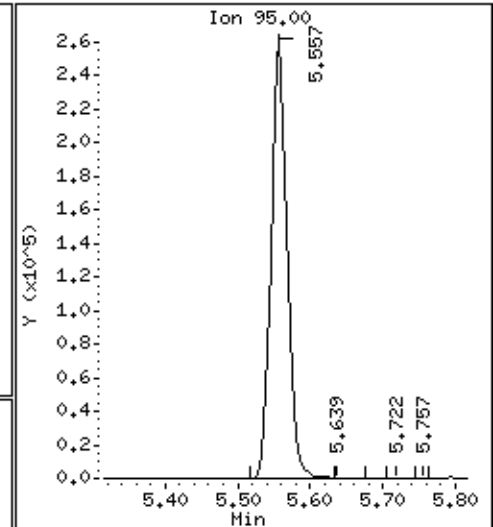
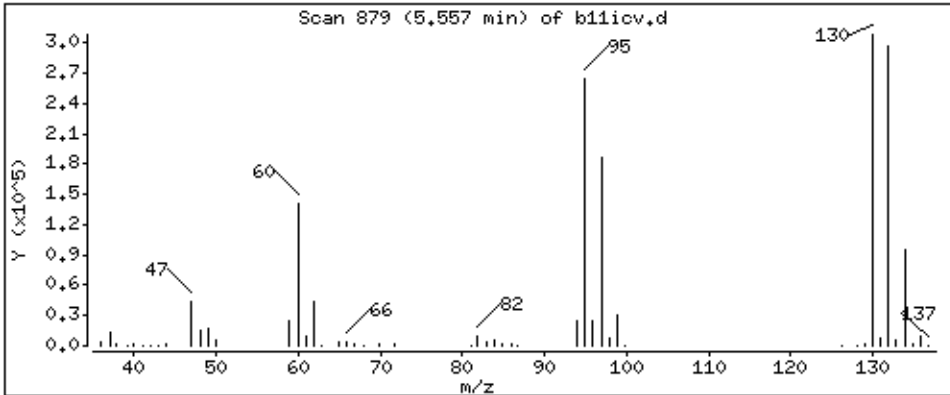
Operator: rsw

Column phase: DB-624

Column diameter: 0,18

45 Trichloroethene

Concentration: 55,4 ppb



Date : 25-JUN-2014 21:03

Client ID: 8260-ICV

Instrument: 50mv4b.i

Sample Info: 8260-ICV,71418:0

Purge Volume: 5.0

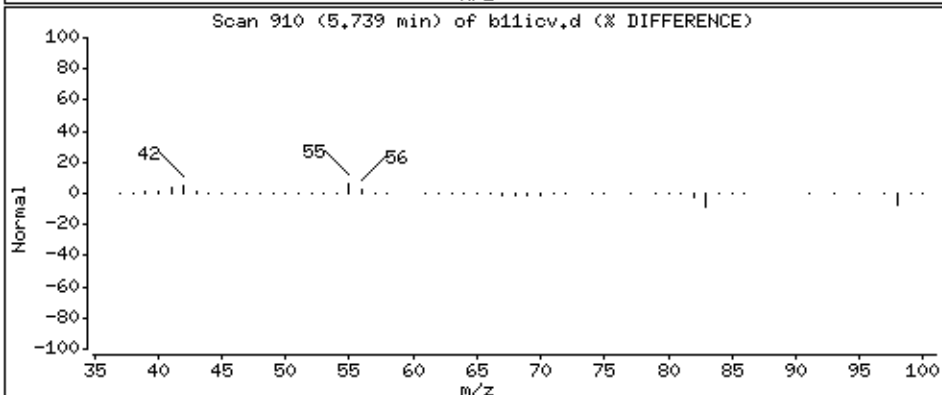
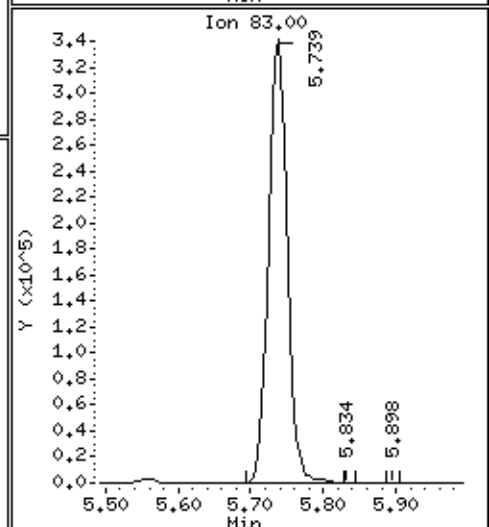
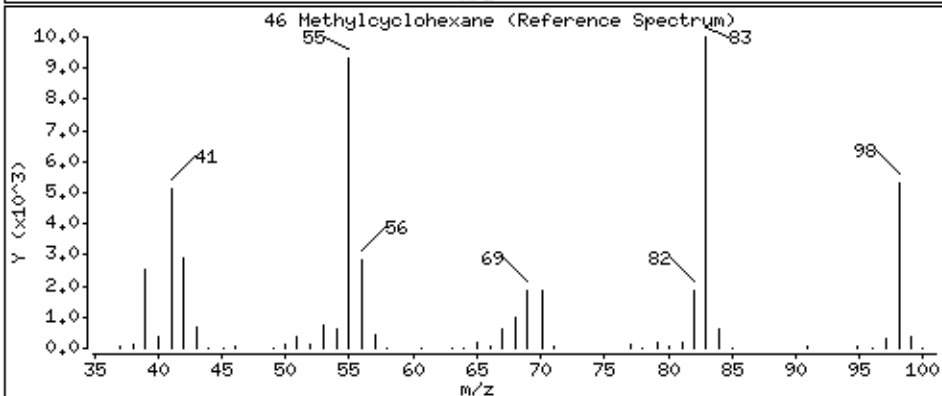
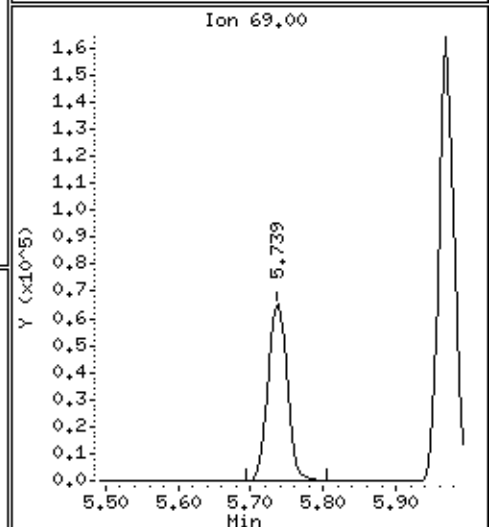
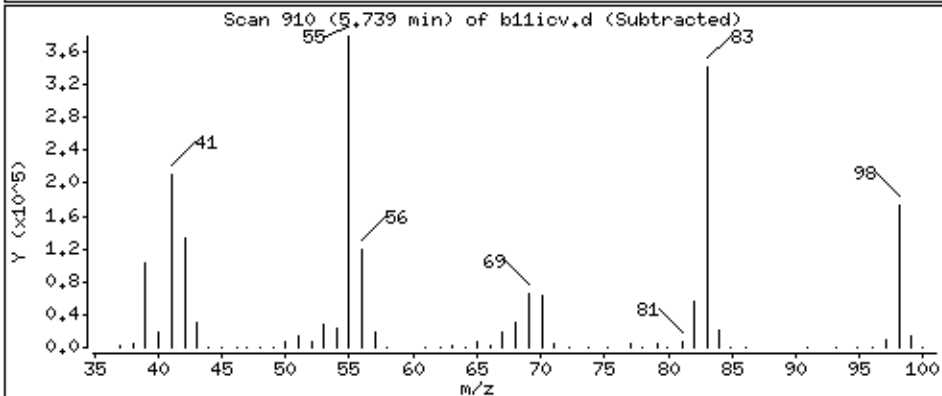
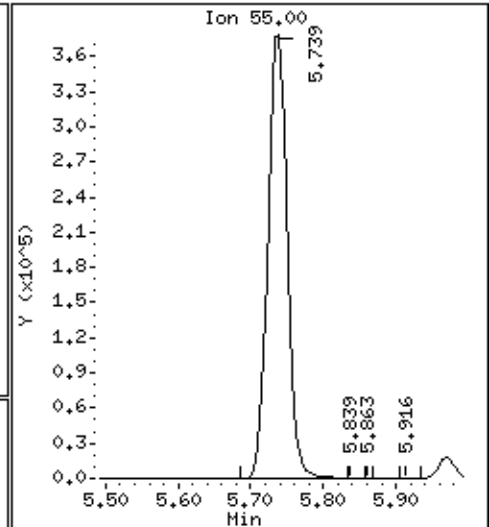
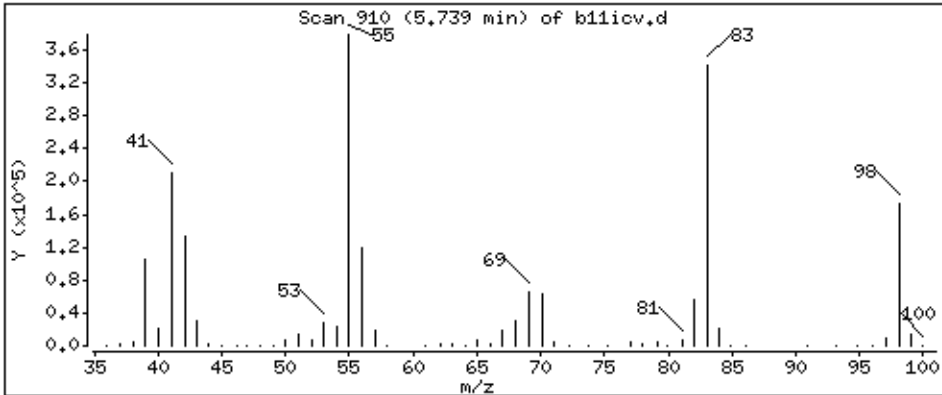
Operator: rsw

Column phase: DB-624

Column diameter: 0,18

46 Methylcyclohexane

Concentration: 56,0 ppb



Date : 25-JUN-2014 21:03

Client ID: 8260-ICV

Instrument: 50mv4b.i

Sample Info: 8260-ICV,71418:0

Purge Volume: 5.0

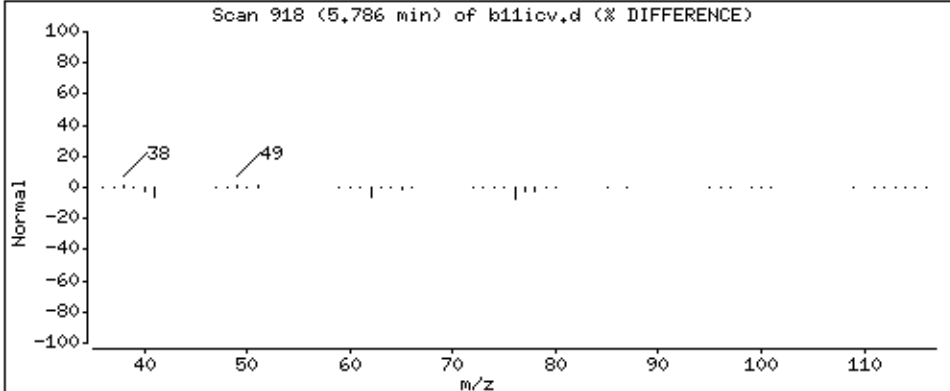
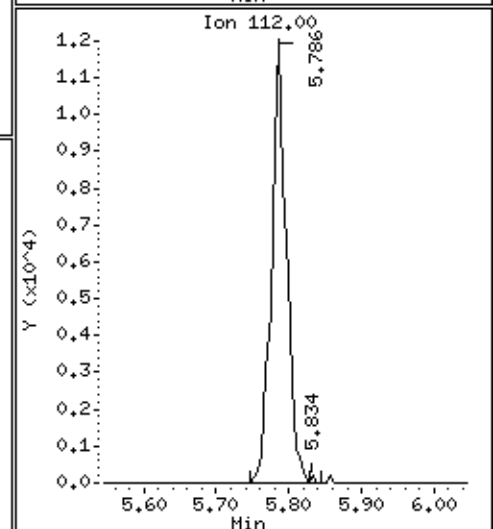
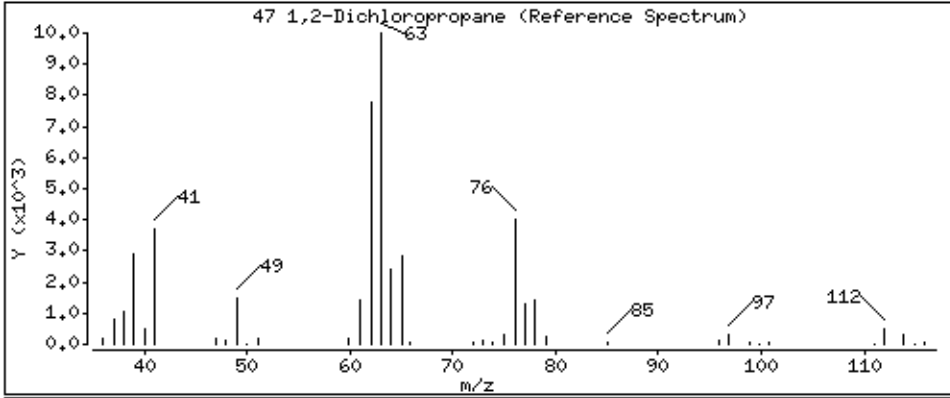
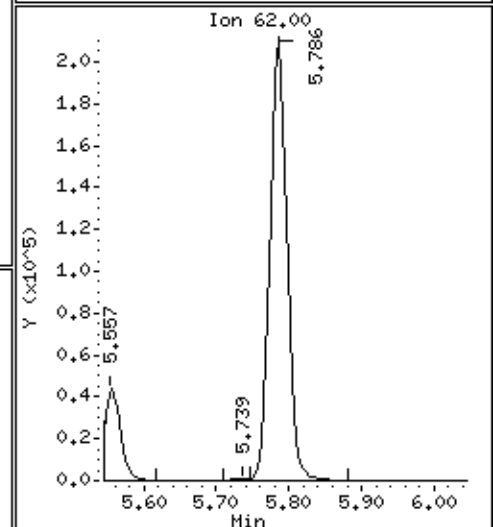
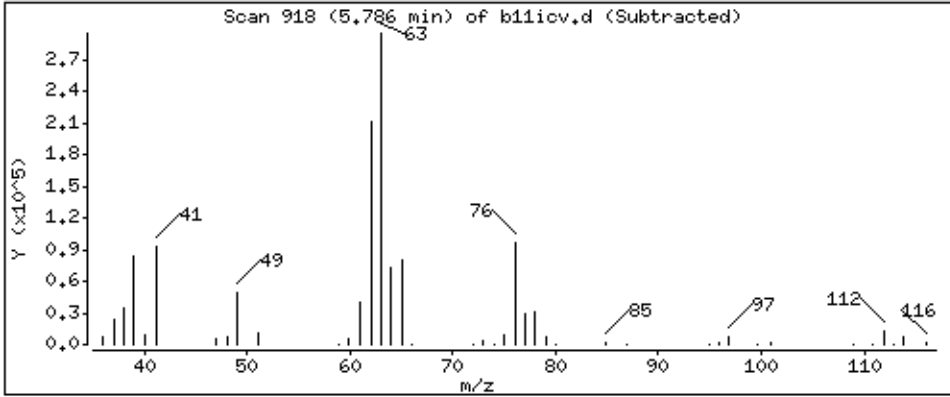
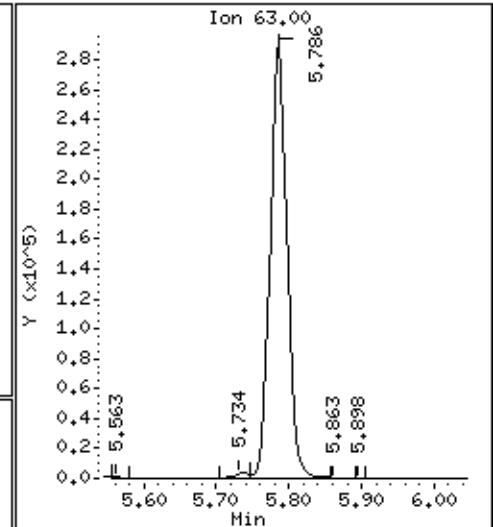
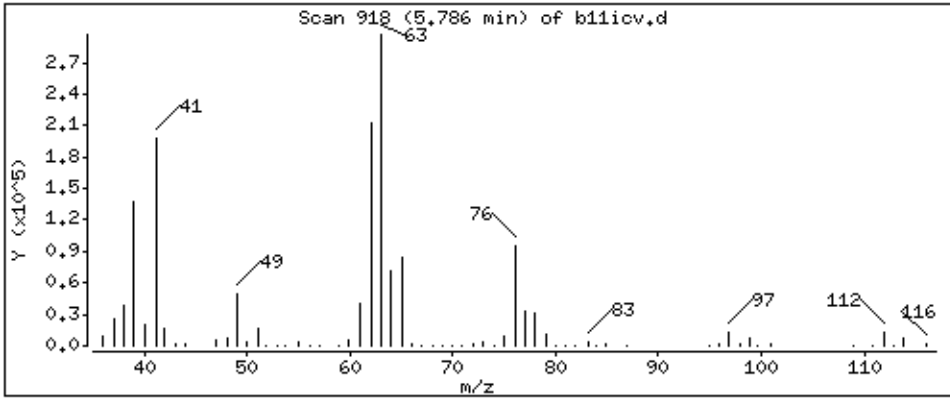
Operator: rsw

Column phase: DB-624

Column diameter: 0,18

47 1,2-Dichloropropane

Concentration: 54,6 ppb



Date : 25-JUN-2014 21:03

Client ID: 8260-ICV

Instrument: 50mv4b.i

Sample Info: 8260-ICV,71418:0

Purge Volume: 5.0

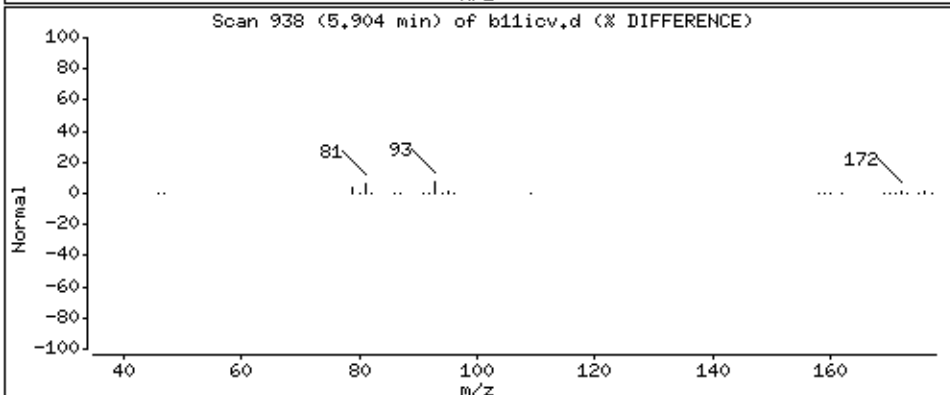
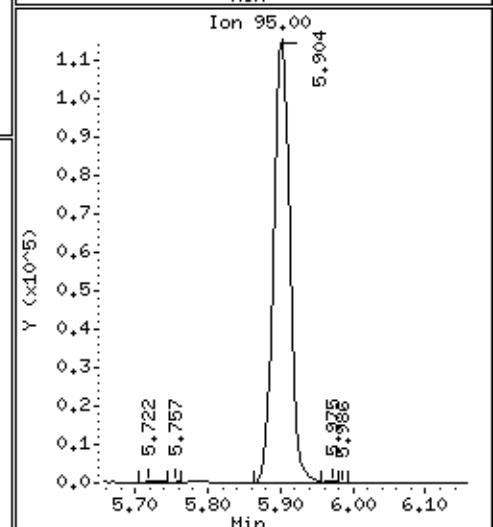
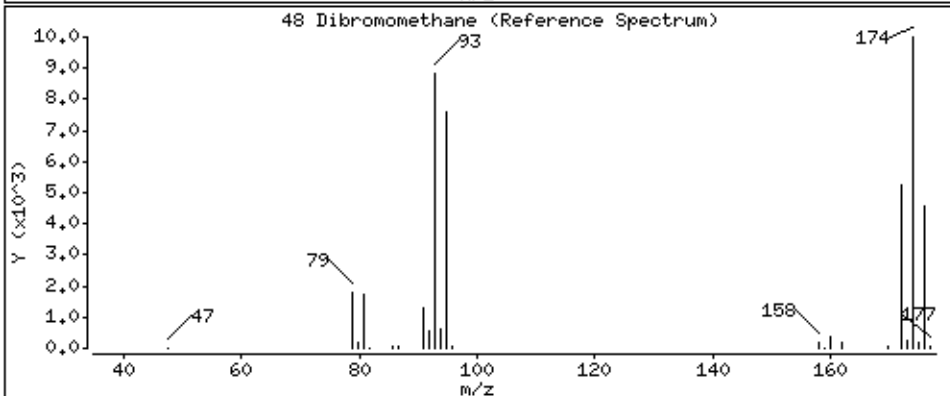
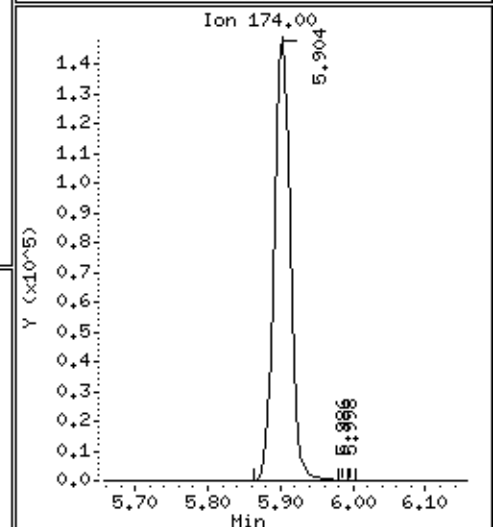
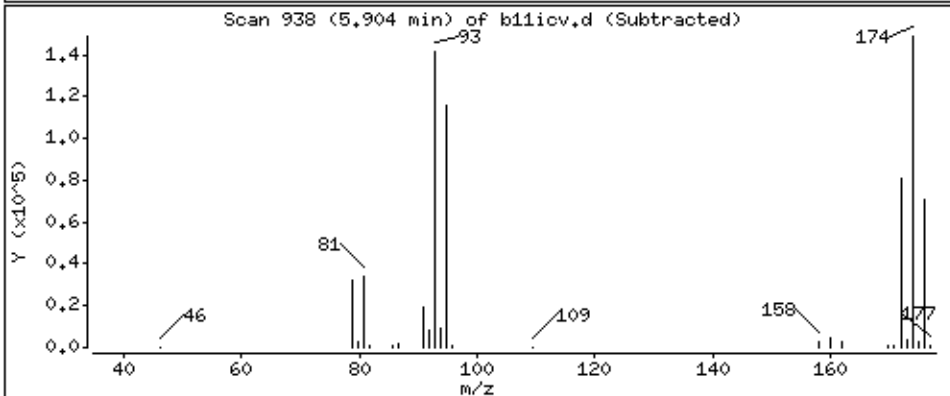
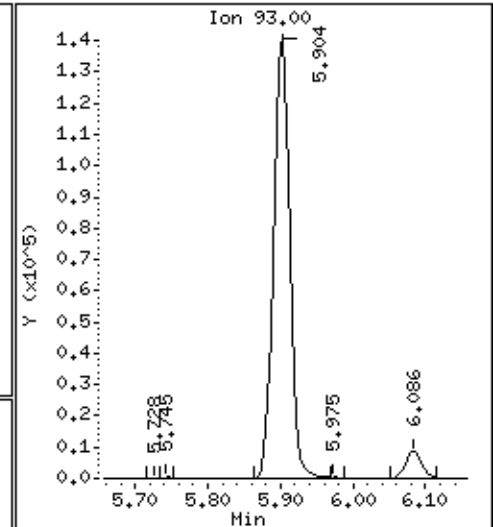
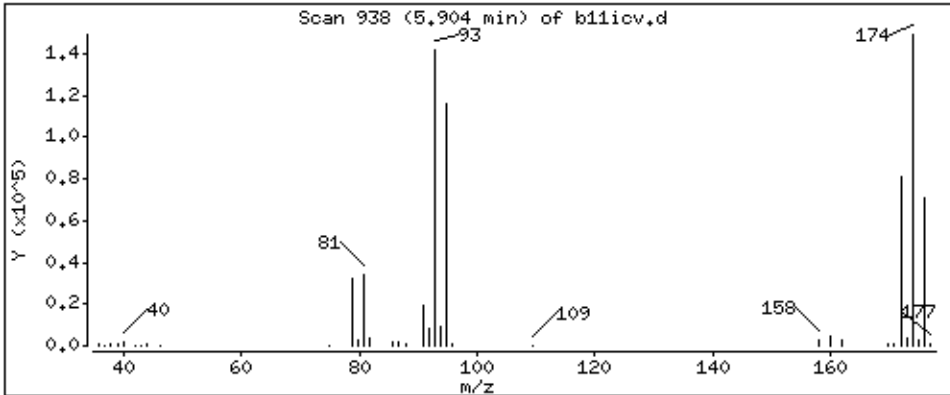
Operator: rsw

Column phase: DB-624

Column diameter: 0,18

48 Dibromomethane

Concentration: 51.6 ppb



Date : 25-JUN-2014 21:03

Client ID: 8260-ICV

Instrument: 50mv4b.i

Sample Info: 8260-ICV,71418:0

Purge Volume: 5.0

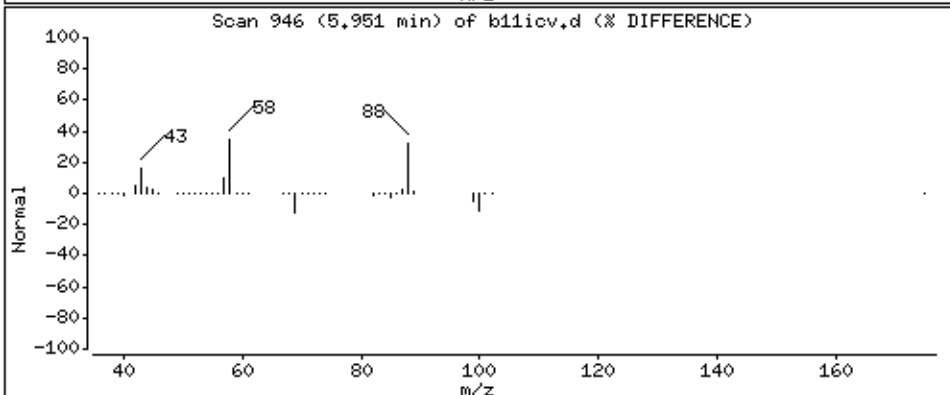
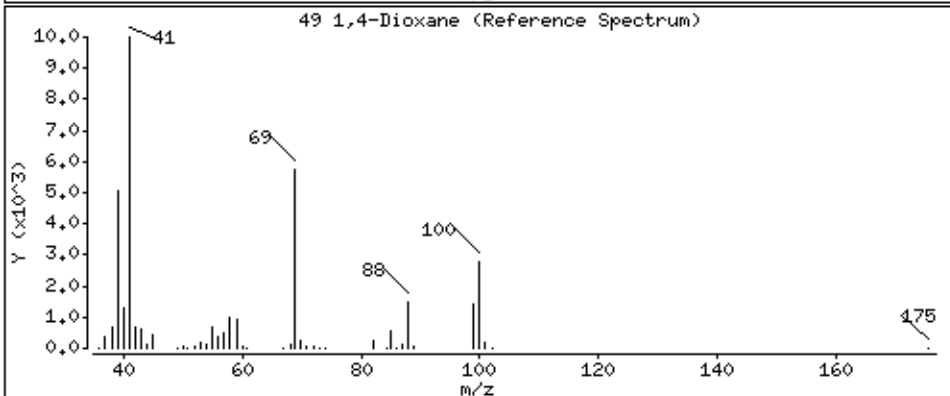
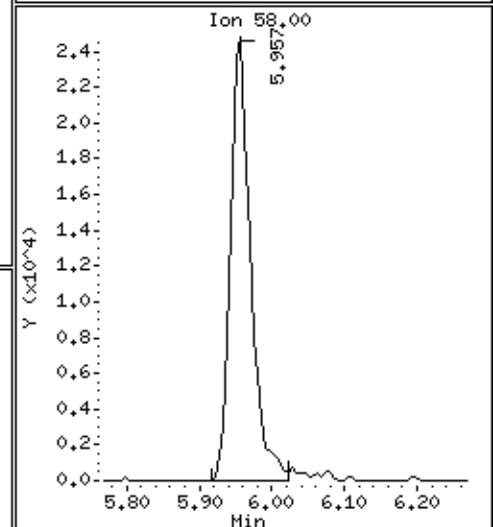
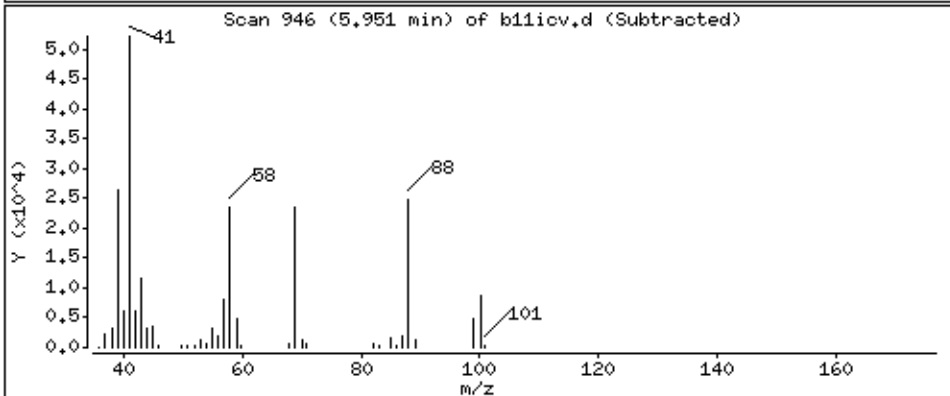
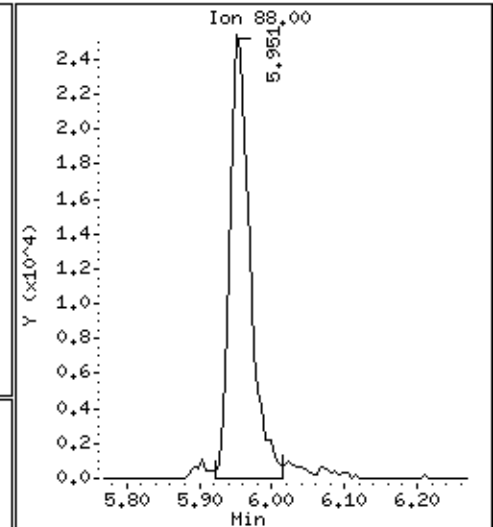
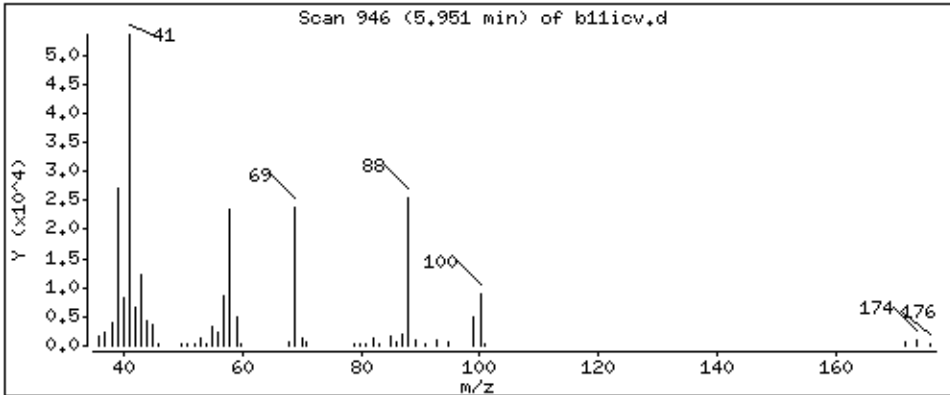
Operator: rsw

Column phase: DB-624

Column diameter: 0,18

49 1,4-Dioxane

Concentration: 822 ppb



Date : 25-JUN-2014 21:03

Client ID: 8260-ICV

Instrument: 50mv4b.i

Sample Info: 8260-ICV,71418:0

Purge Volume: 5.0

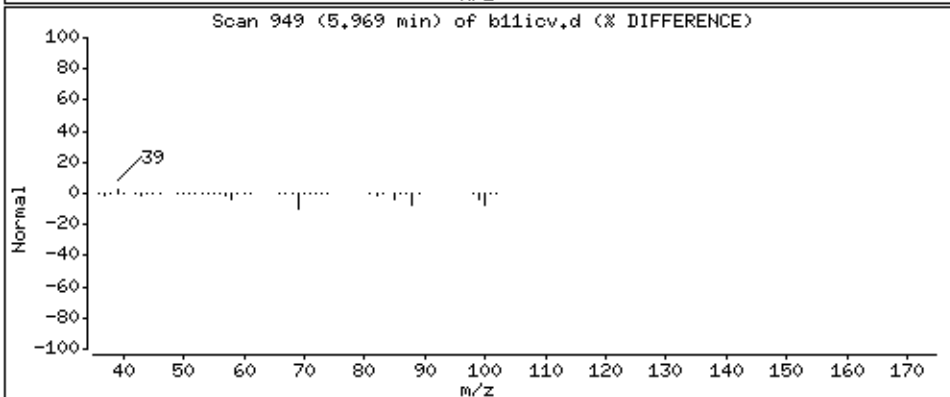
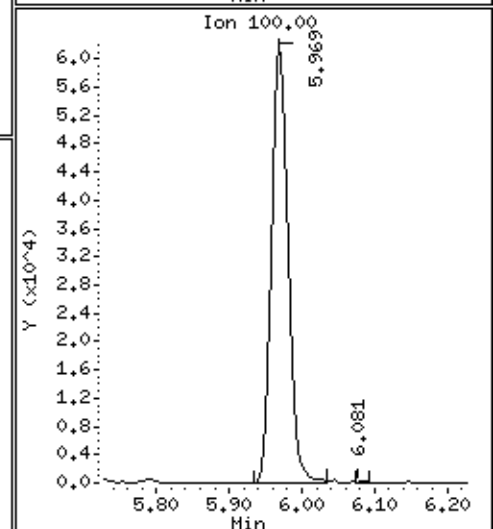
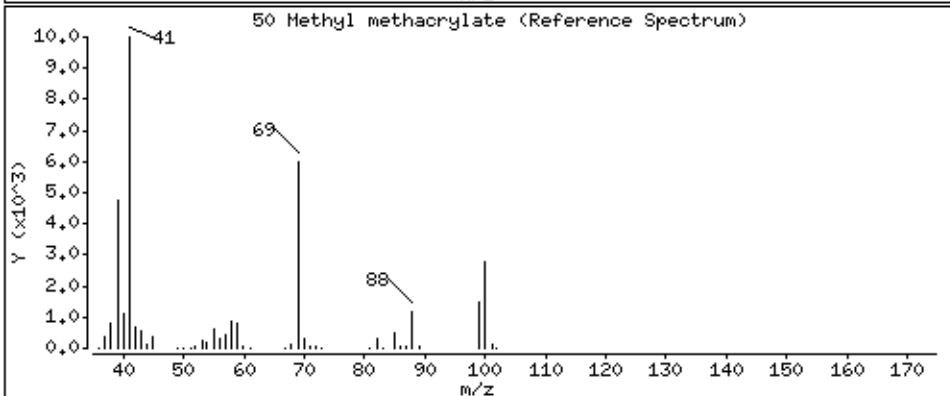
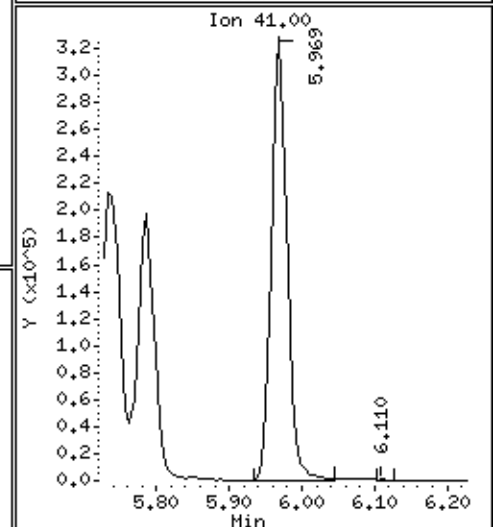
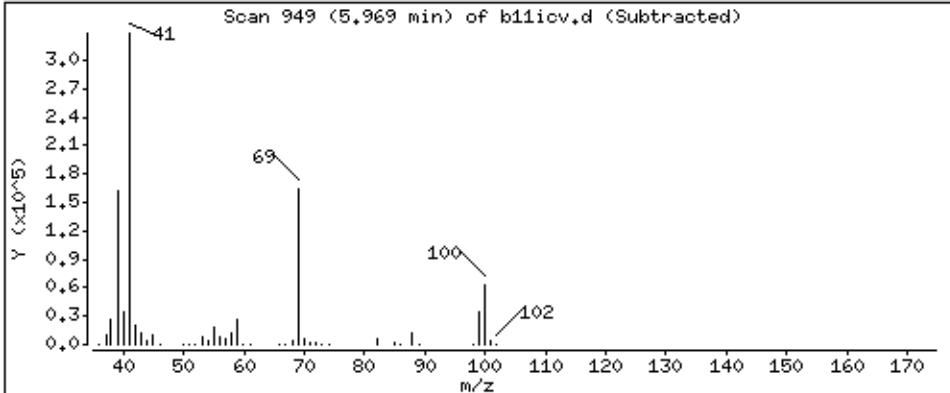
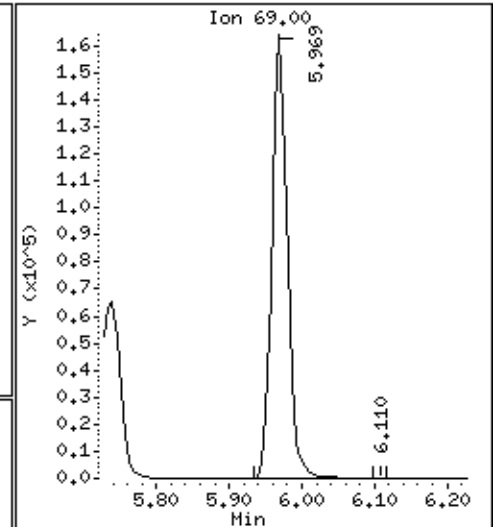
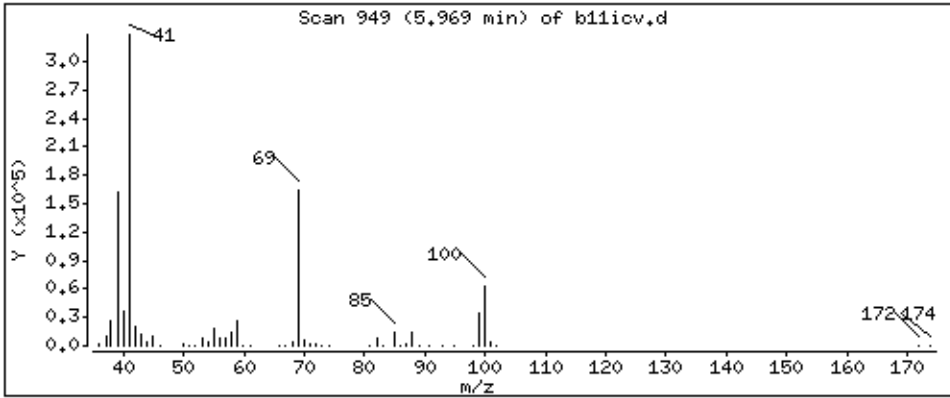
Operator: rsw

Column phase: DB-624

Column diameter: 0,18

50 Methyl methacrylate

Concentration: 51,5 ppb



Date : 25-JUN-2014 21:03

Client ID: 8260-ICV

Instrument: 50mv4b.i

Sample Info: 8260-ICV,71418:0

Purge Volume: 5.0

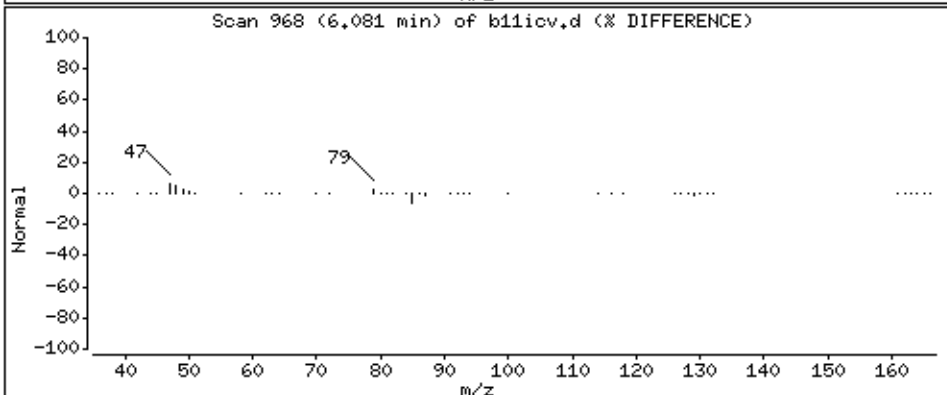
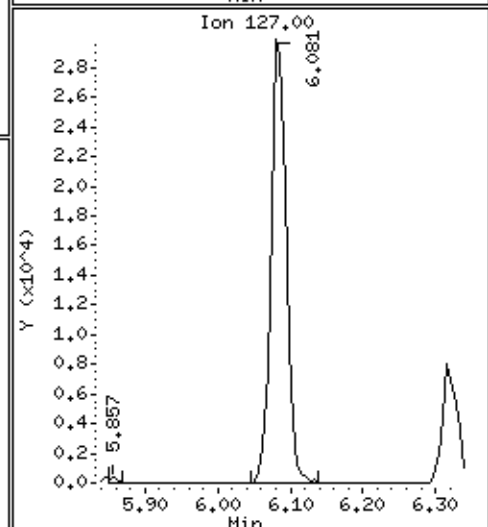
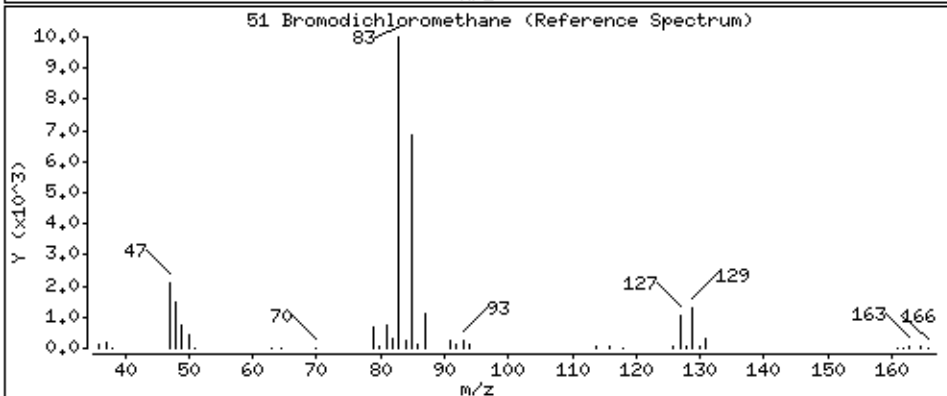
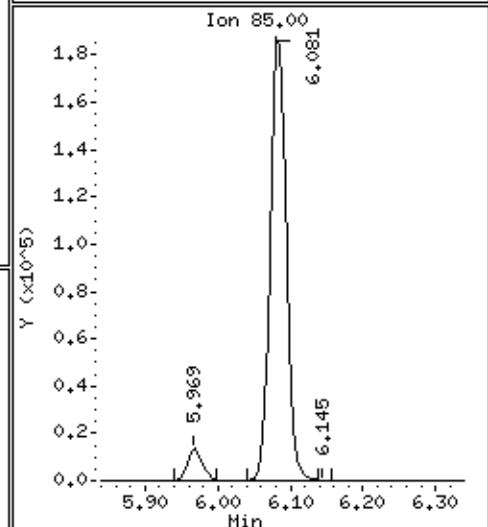
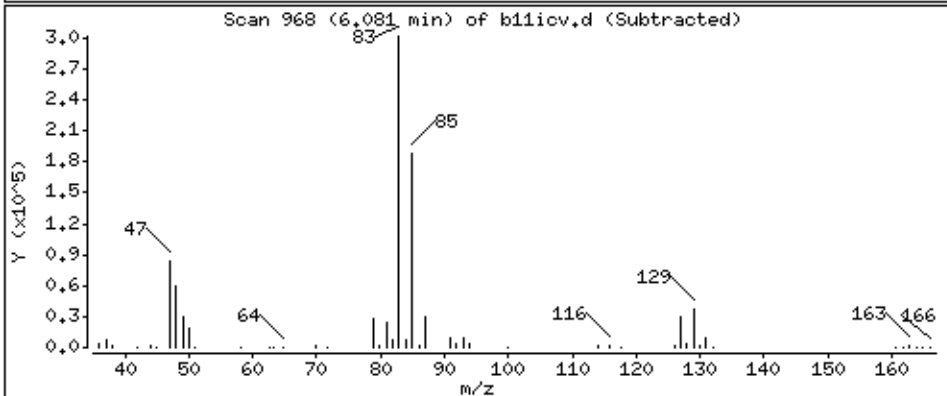
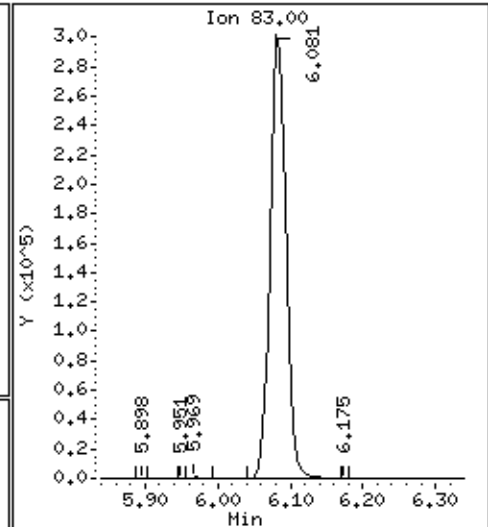
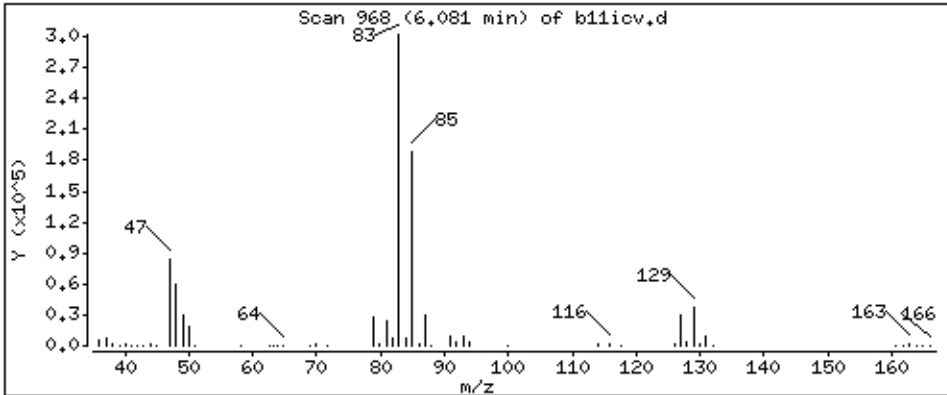
Operator: rsw

Column phase: DB-624

Column diameter: 0,18

51 Bromodichloromethane

Concentration: 60,2 ppb



Date : 25-JUN-2014 21:03

Client ID: 8260-ICV

Instrument: 50mv4b.i

Sample Info: 8260-ICV,71418:0

Purge Volume: 5.0

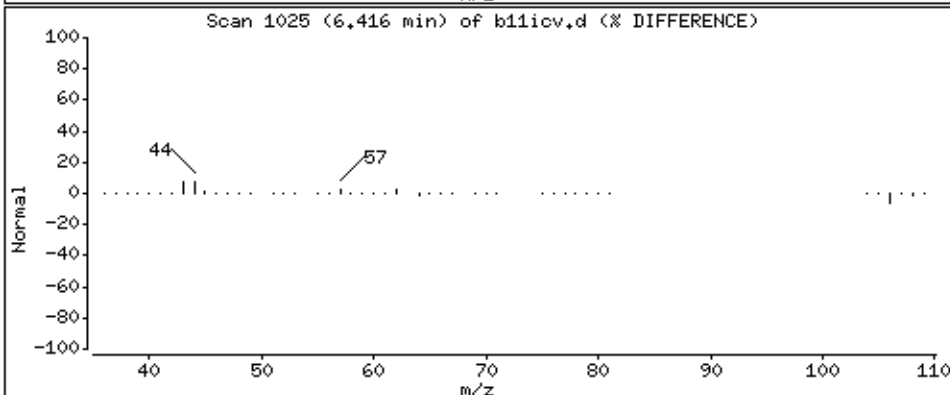
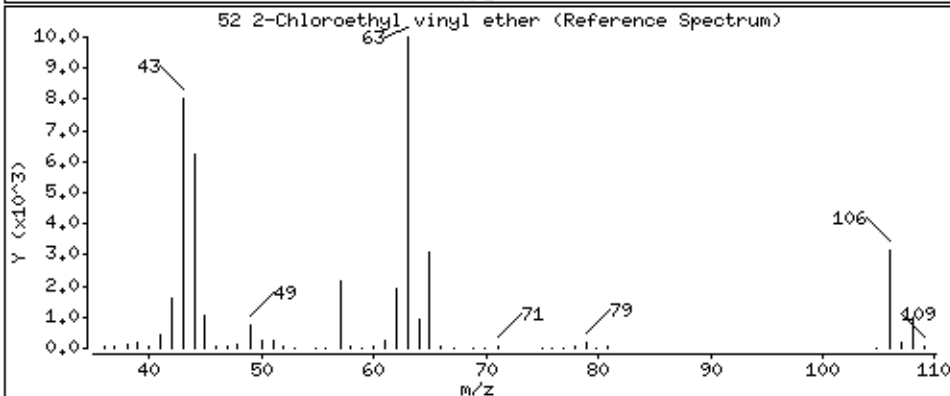
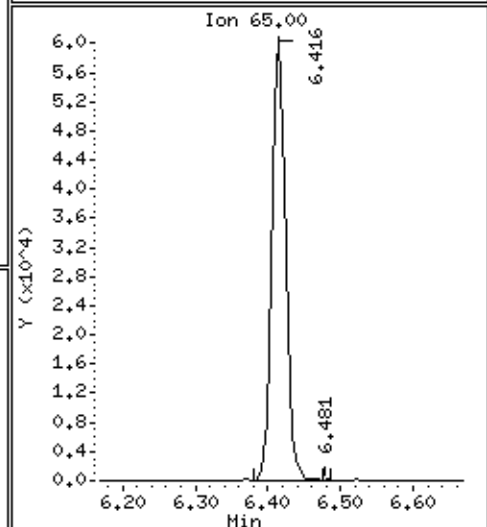
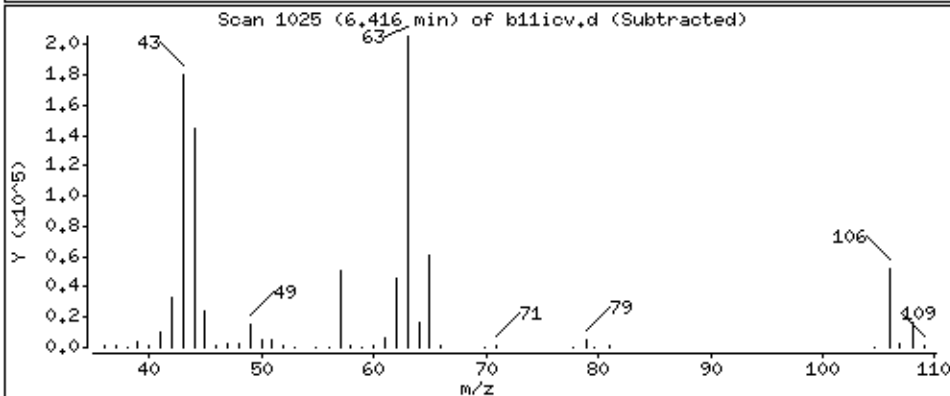
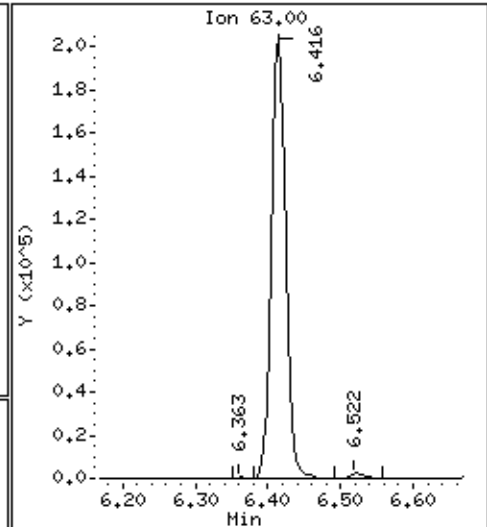
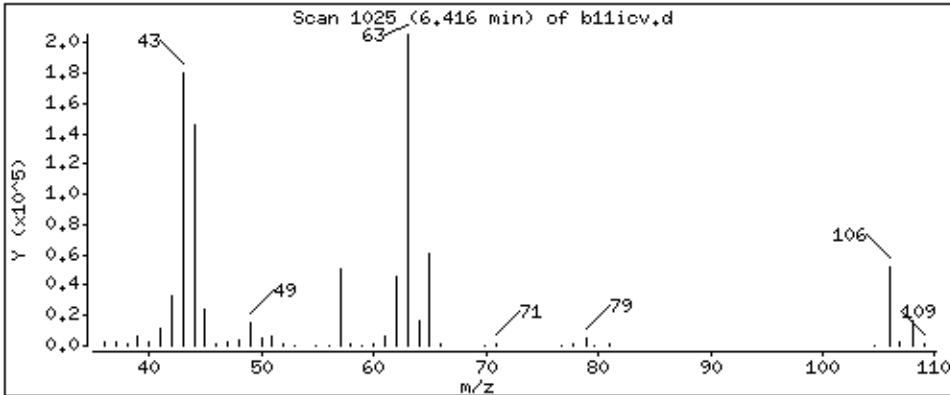
Operator: rsw

Column phase: DB-624

Column diameter: 0,18

52 2-Chloroethyl vinyl ether

Concentration: 52.3 ppb



Date : 25-JUN-2014 21:03

Client ID: 8260-ICV

Instrument: 50mv4b.i

Sample Info: 8260-ICV,71418:0

Purge Volume: 5.0

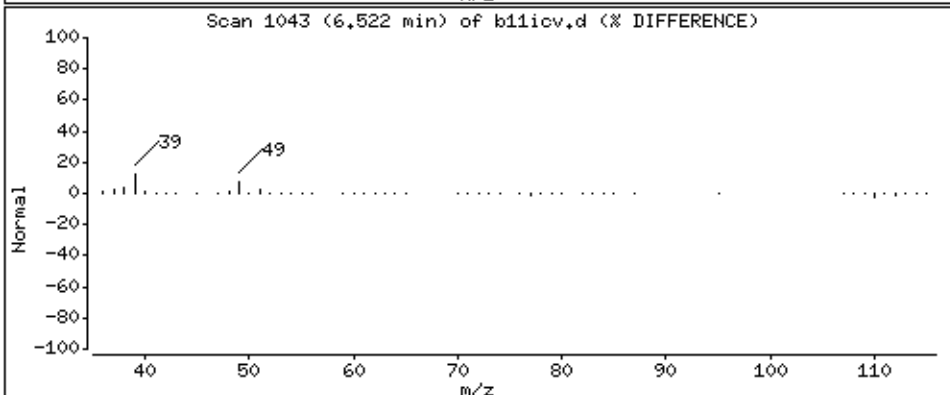
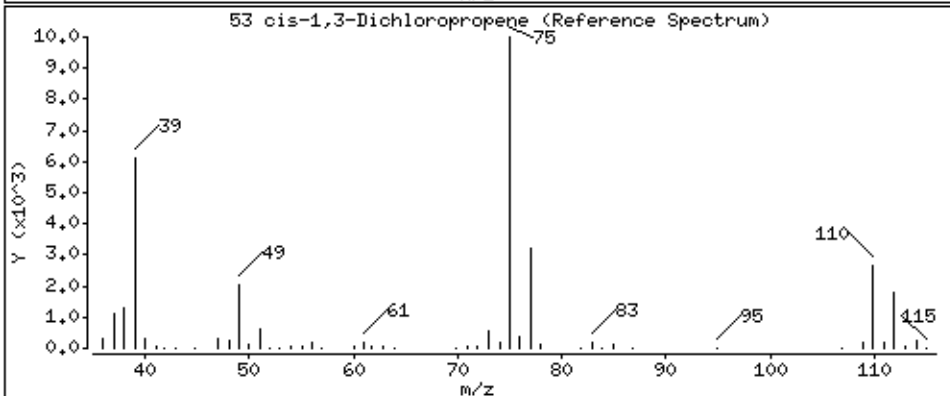
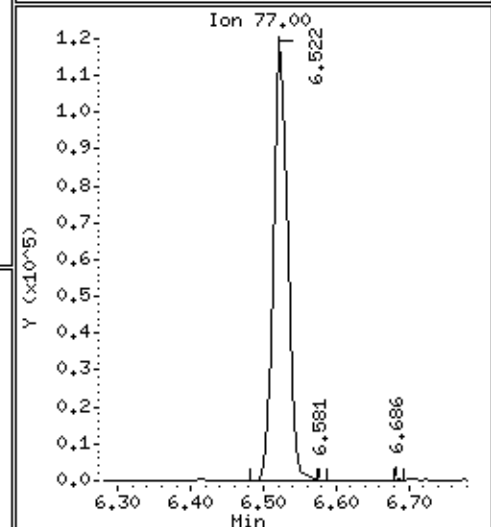
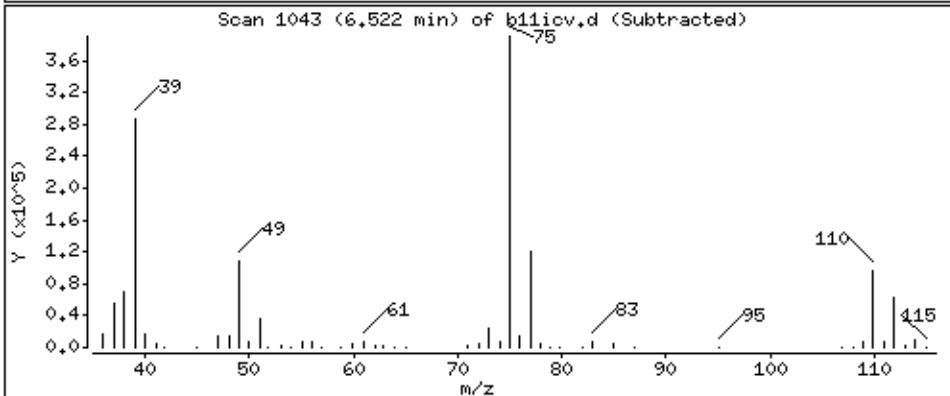
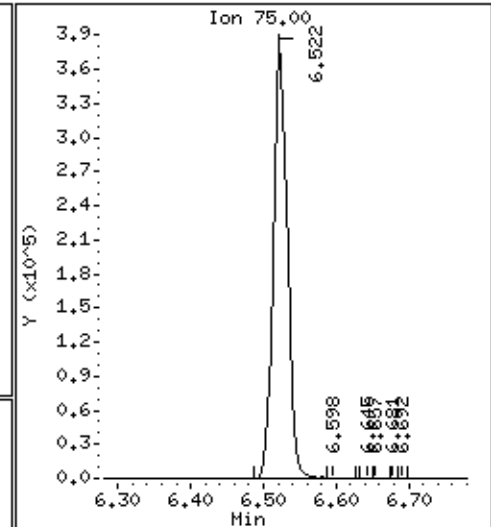
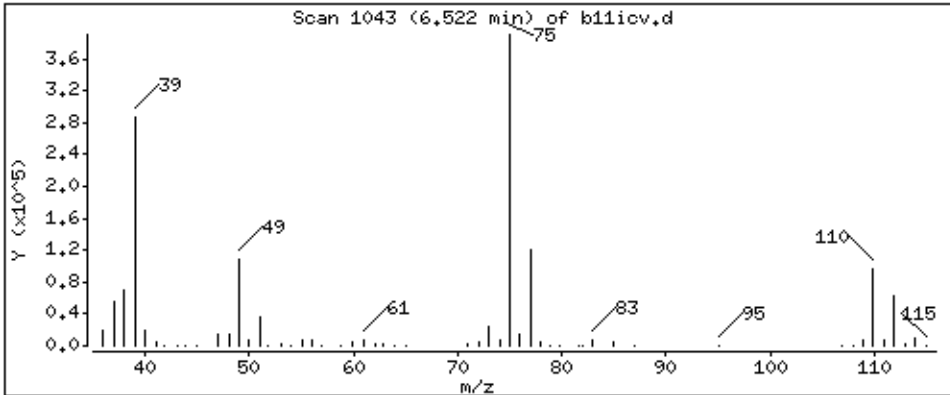
Operator: rsw

Column phase: DB-624

Column diameter: 0,18

53 cis-1,3-Dichloropropene

Concentration: 47.3 ppb



Date : 25-JUN-2014 21:03

Client ID: 8260-ICV

Instrument: 50mv4b.i

Sample Info: 8260-ICV,71418:0

Purge Volume: 5.0

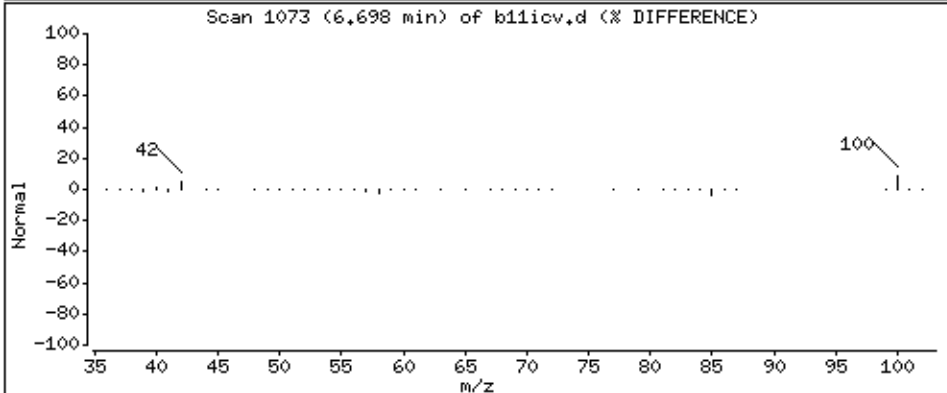
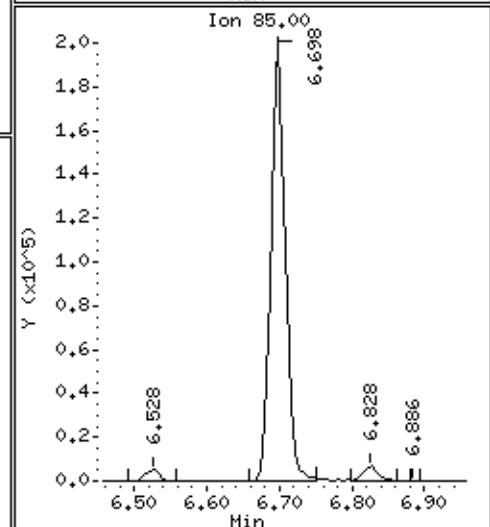
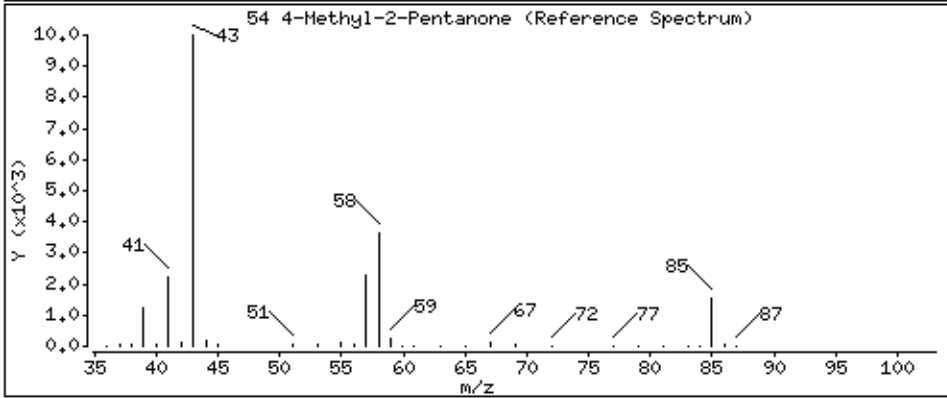
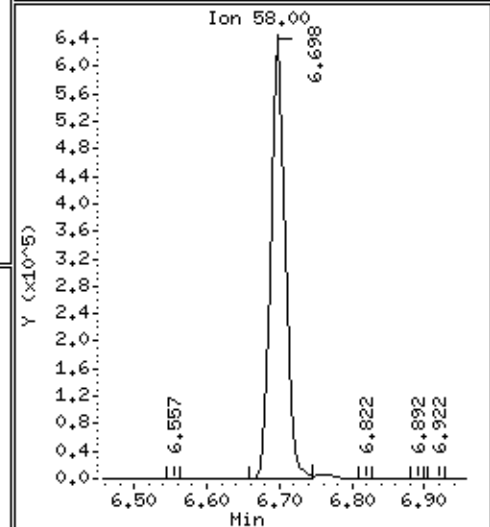
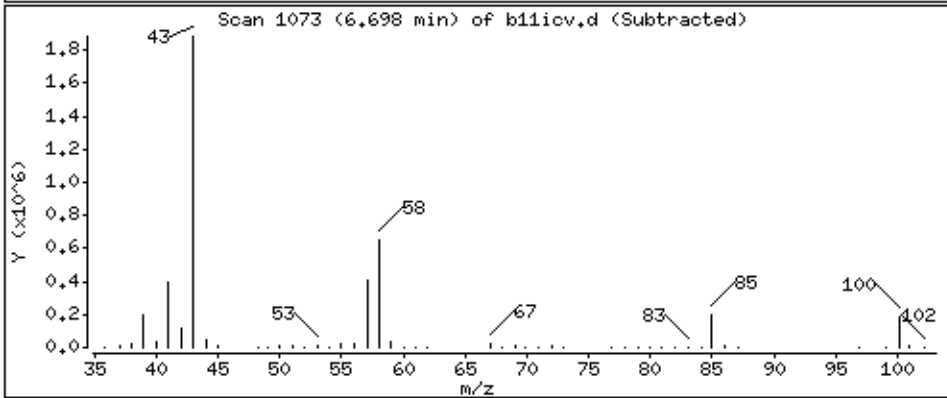
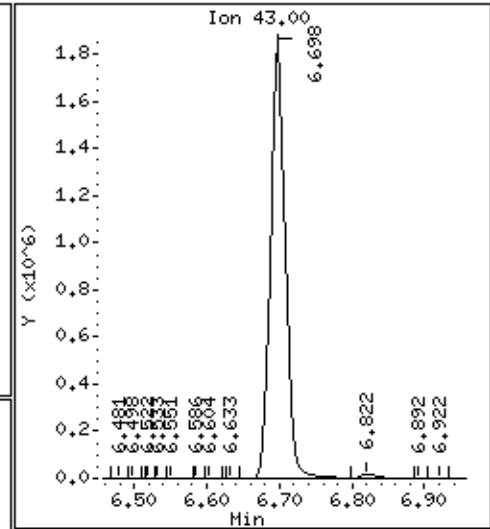
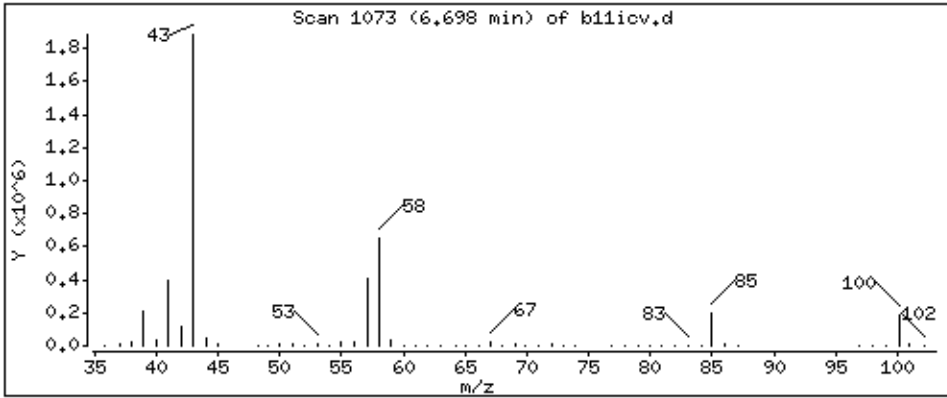
Operator: rsw

Column phase: DB-624

Column diameter: 0,18

54 4-Methyl-2-Pentanone

Concentration: 298 ppb



Date : 25-JUN-2014 21:03

Client ID: 8260-ICV

Instrument: 50mv4b.i

Sample Info: 8260-ICV,71418:0

Purge Volume: 5.0

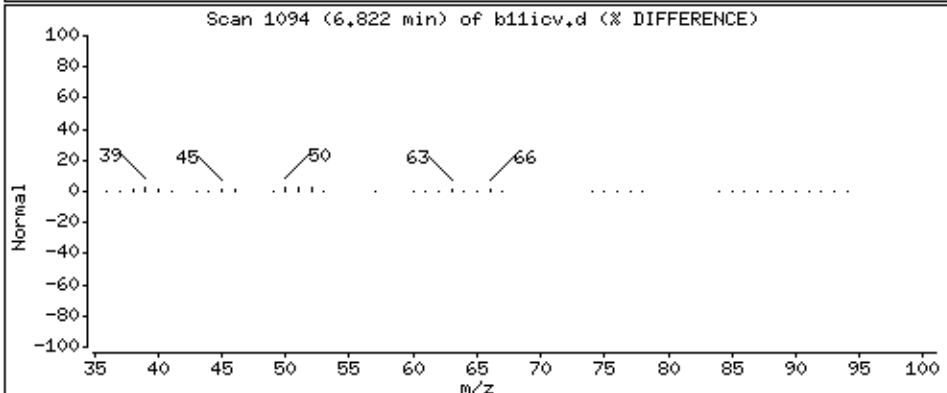
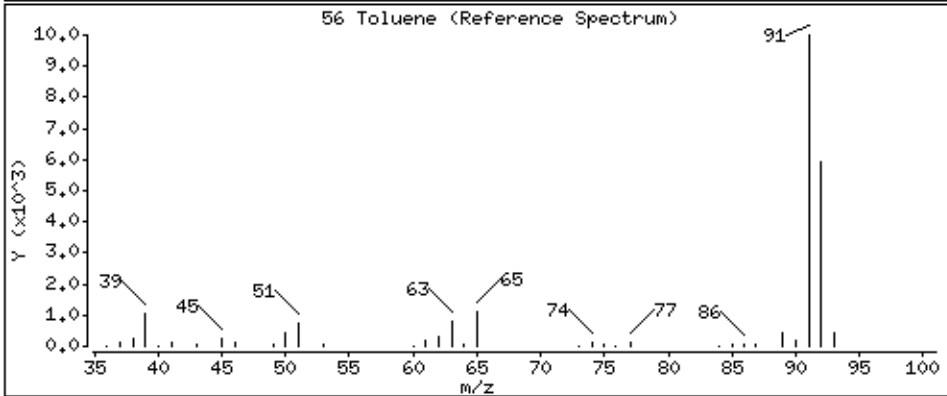
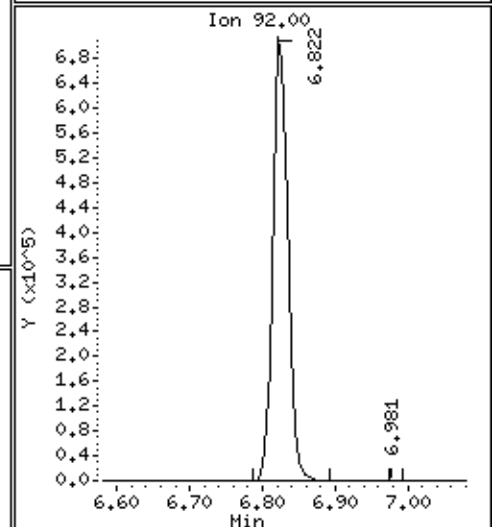
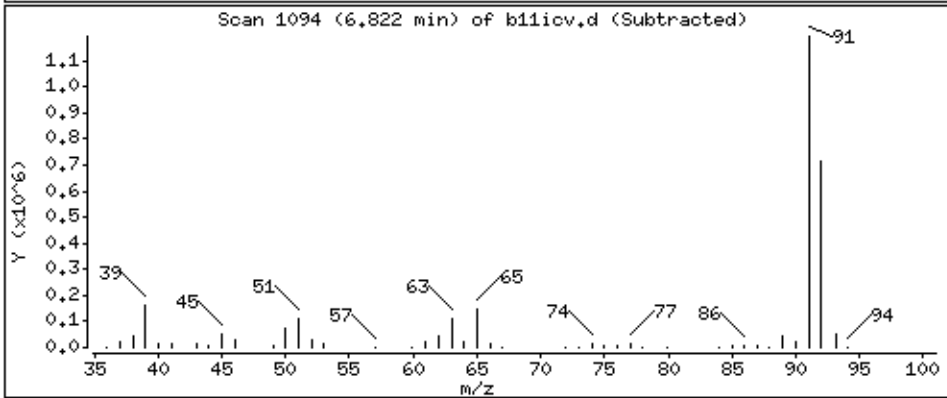
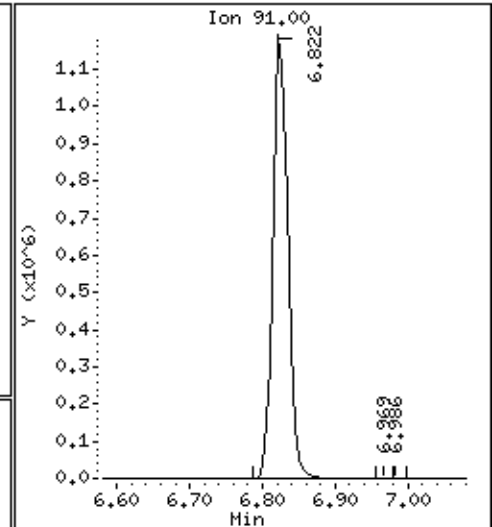
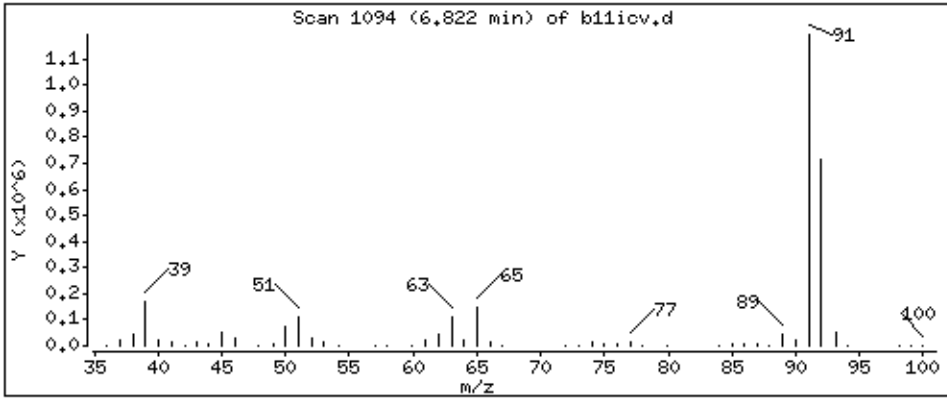
Operator: rsw

Column phase: DB-624

Column diameter: 0,18

56 Toluene

Concentration: 53.2 ppb



Date : 25-JUN-2014 21:03

Client ID: 8260-ICV

Instrument: 50mv4b.i

Sample Info: 8260-ICV,71418:0

Purge Volume: 5.0

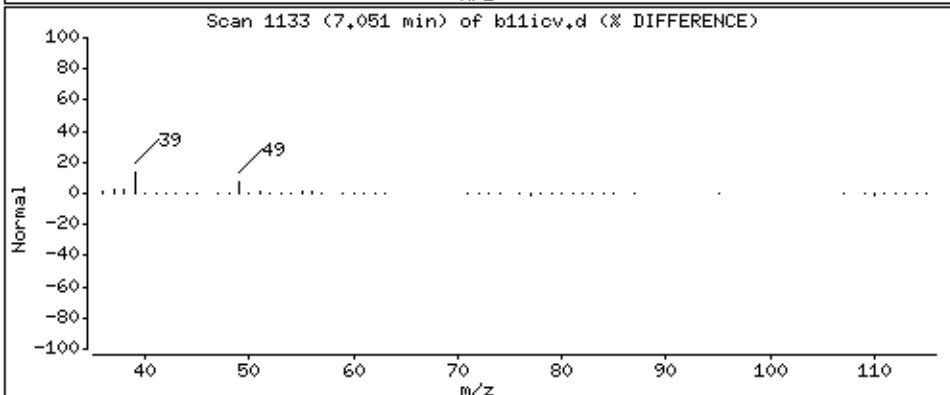
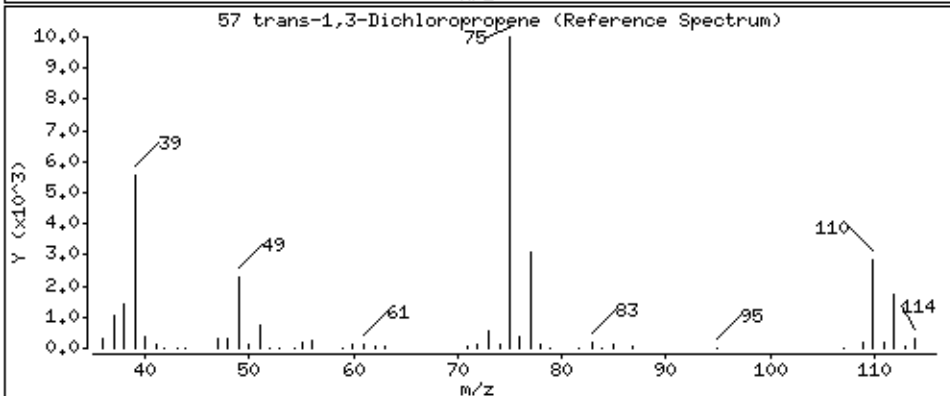
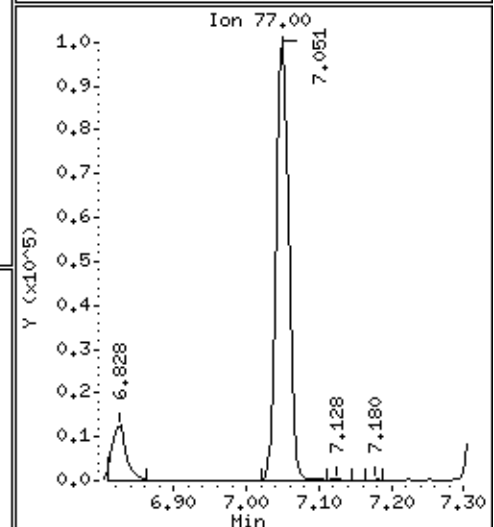
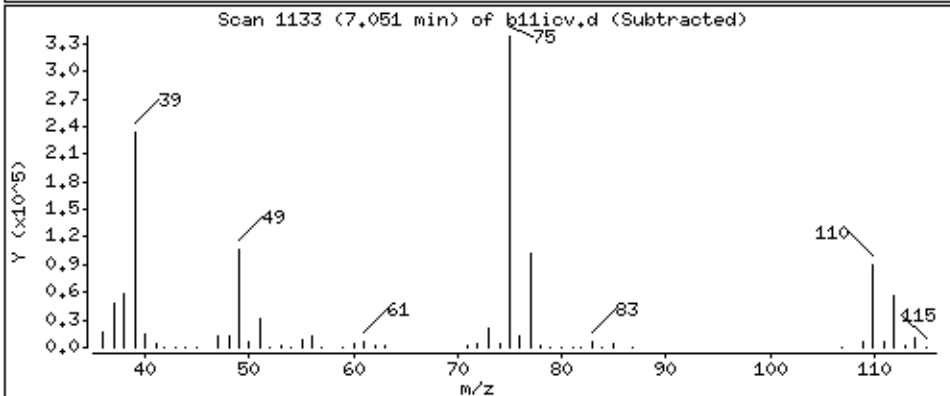
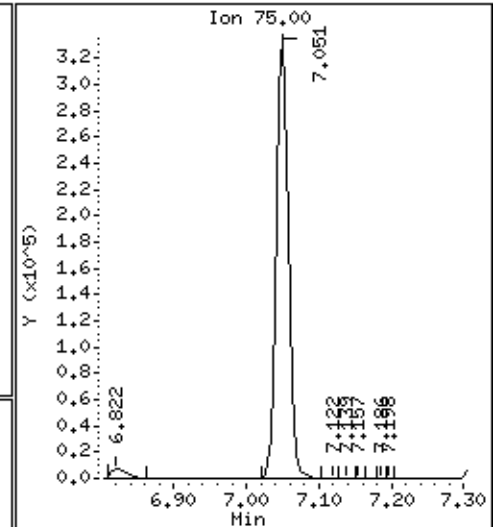
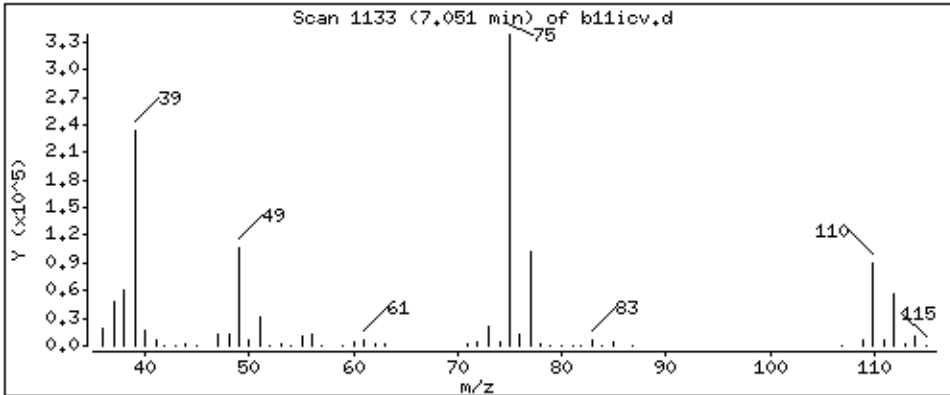
Operator: rsw

Column phase: DB-624

Column diameter: 0,18

57 trans-1,3-Dichloropropene

Concentration: 44,5 ppb



Date : 25-JUN-2014 21:03

Client ID: 8260-ICV

Instrument: 50mv4b.i

Sample Info: 8260-ICV,71418:0

Purge Volume: 5.0

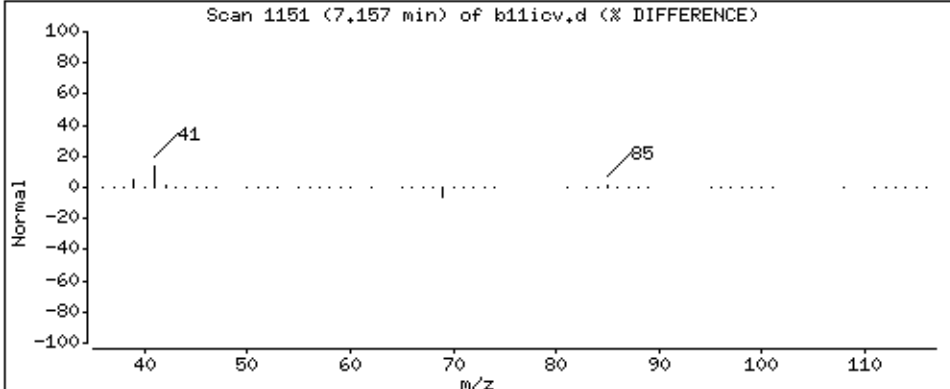
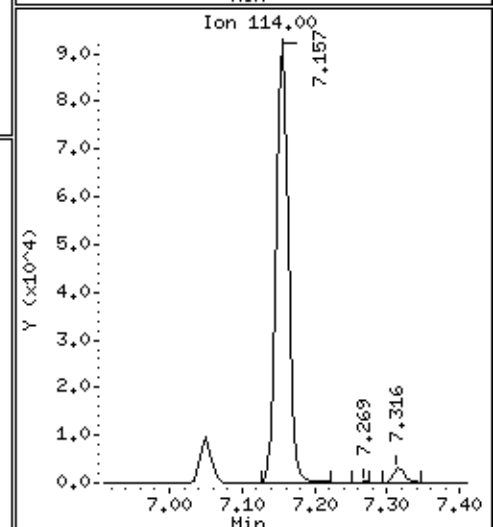
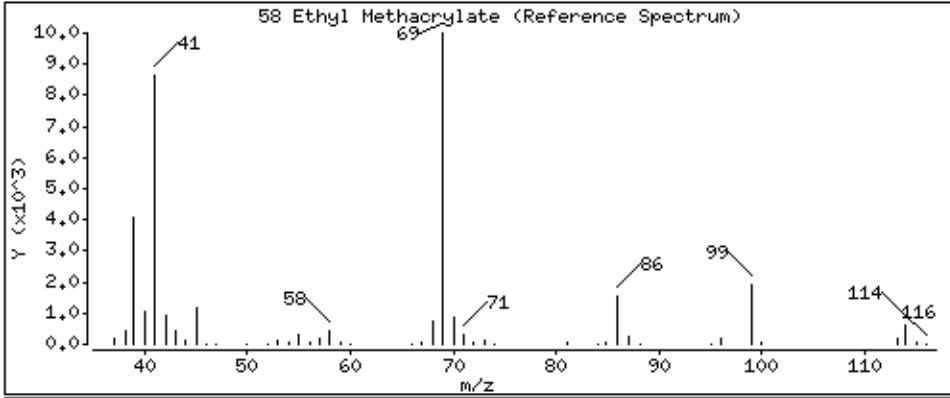
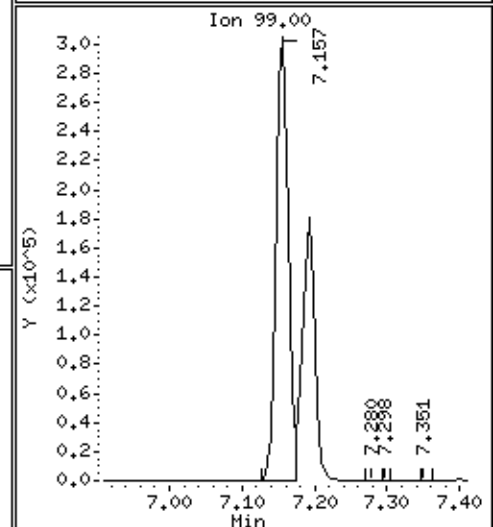
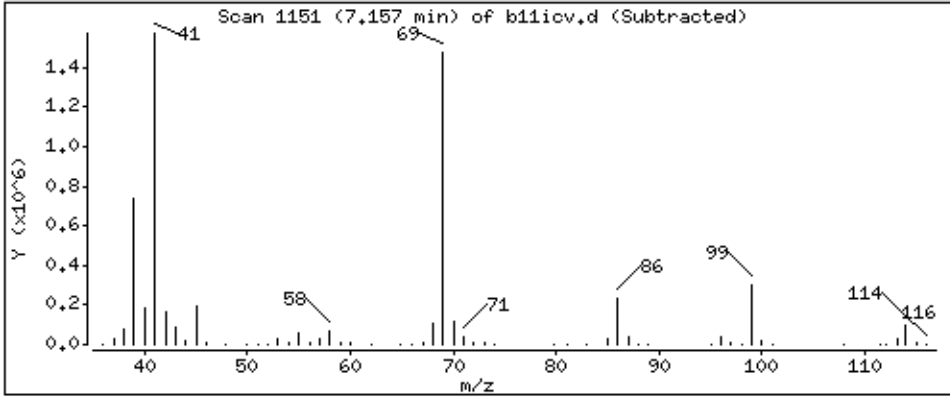
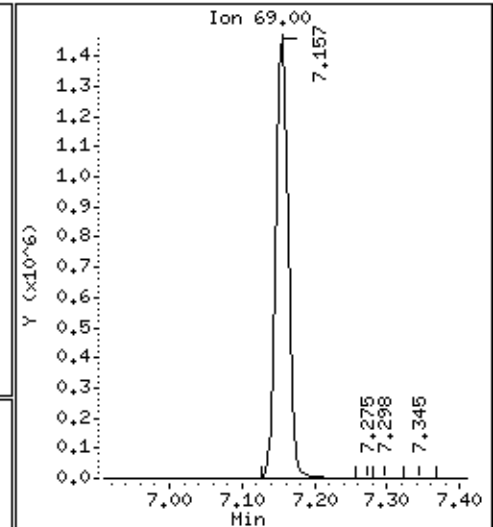
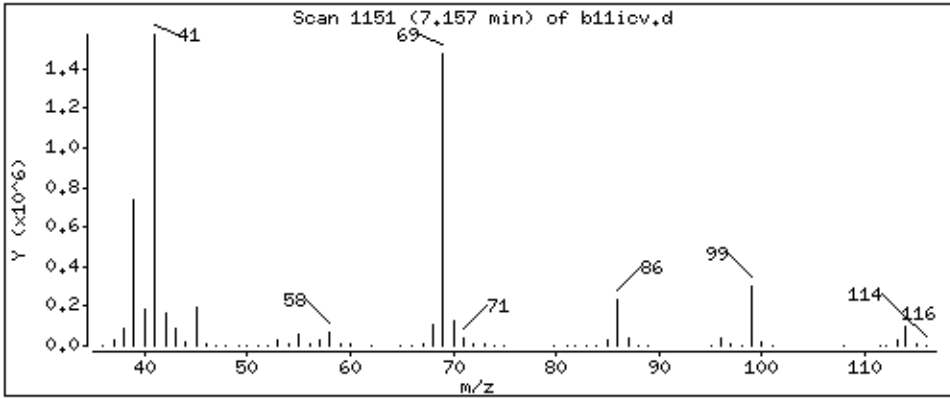
Operator: rsw

Column phase: DB-624

Column diameter: 0,18

58 Ethyl Methacrylate

Concentration: 191 ppb



Date : 25-JUN-2014 21:03

Client ID: 8260-ICV

Instrument: 50mv4b.i

Sample Info: 8260-ICV,71418:0

Purge Volume: 5.0

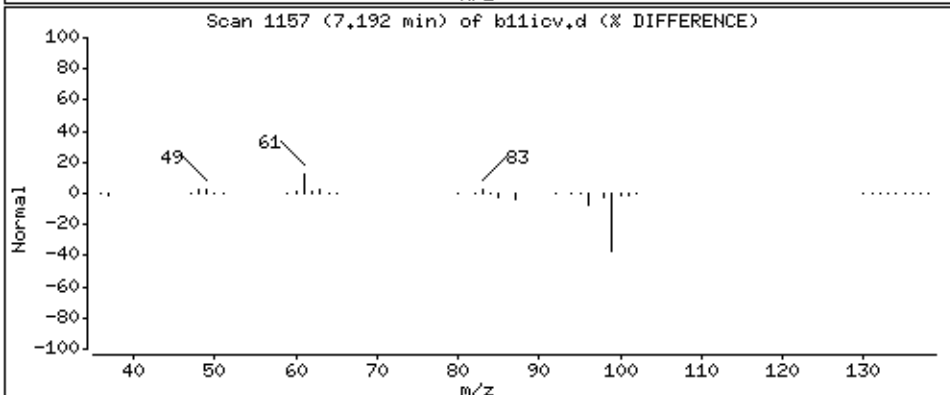
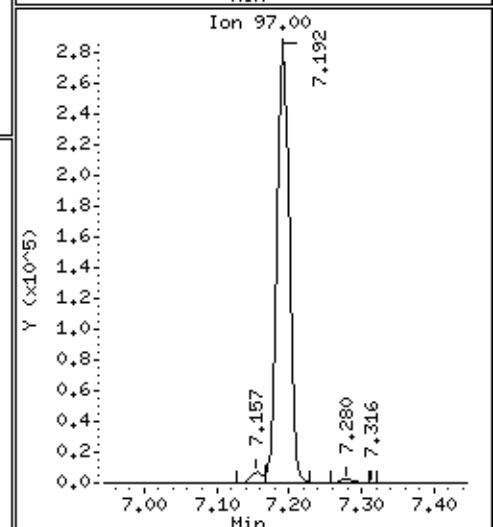
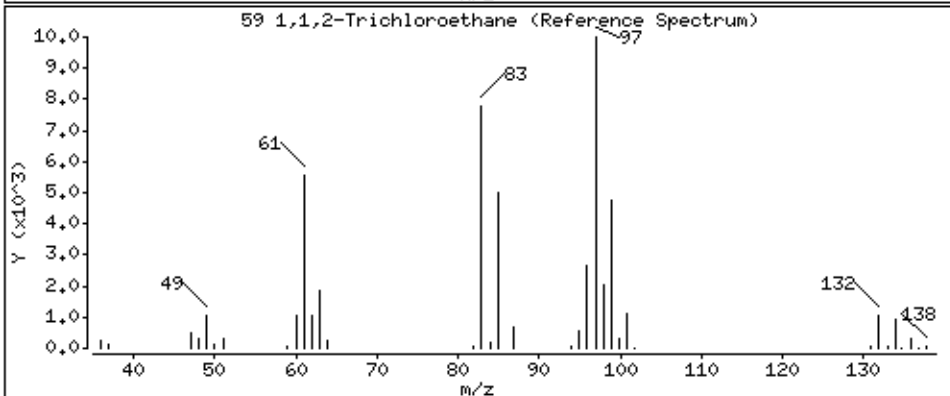
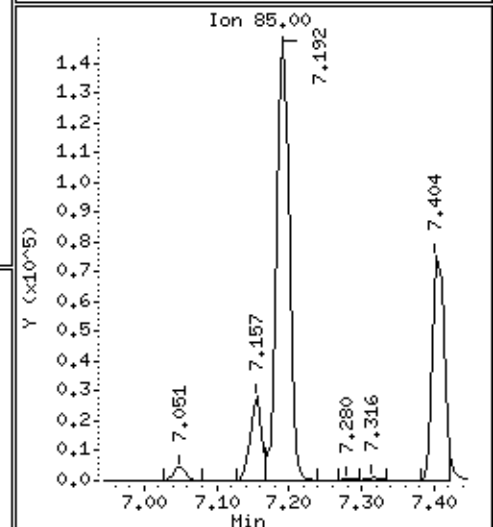
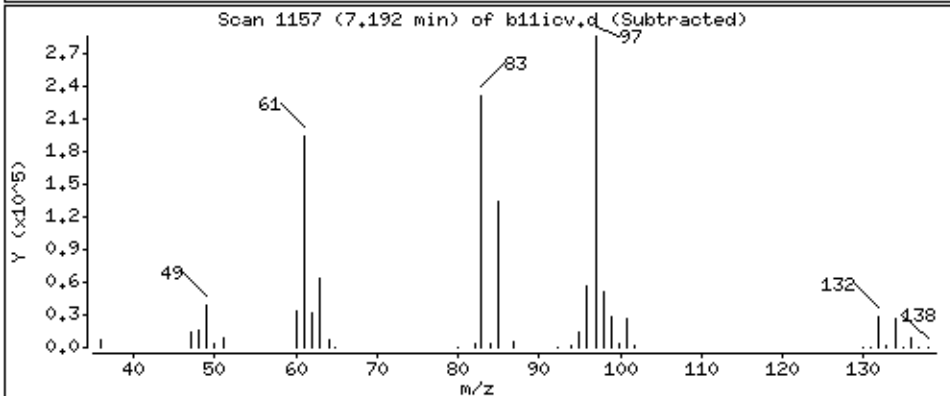
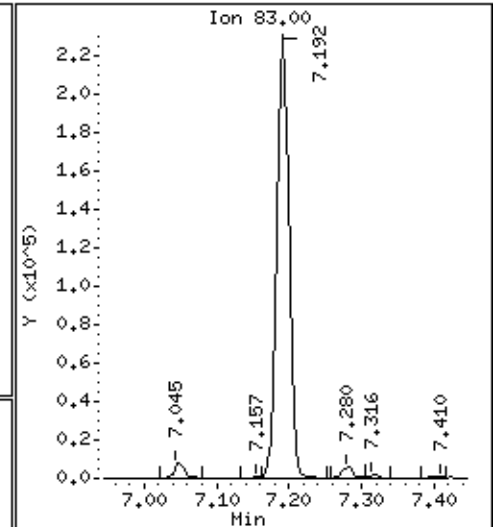
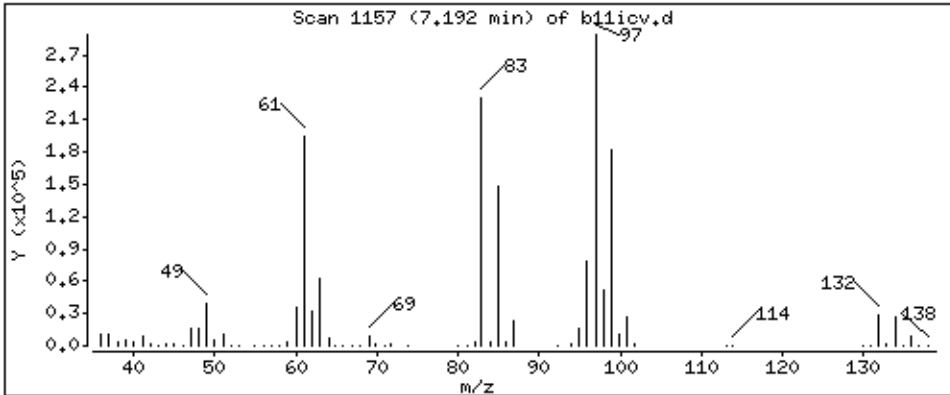
Operator: rsw

Column phase: DB-624

Column diameter: 0,18

59 1,1,2-Trichloroethane

Concentration: 49,5 ppb



Date : 25-JUN-2014 21:03

Client ID: 8260-ICV

Instrument: 50mv4b.i

Sample Info: 8260-ICV,71418:0

Purge Volume: 5.0

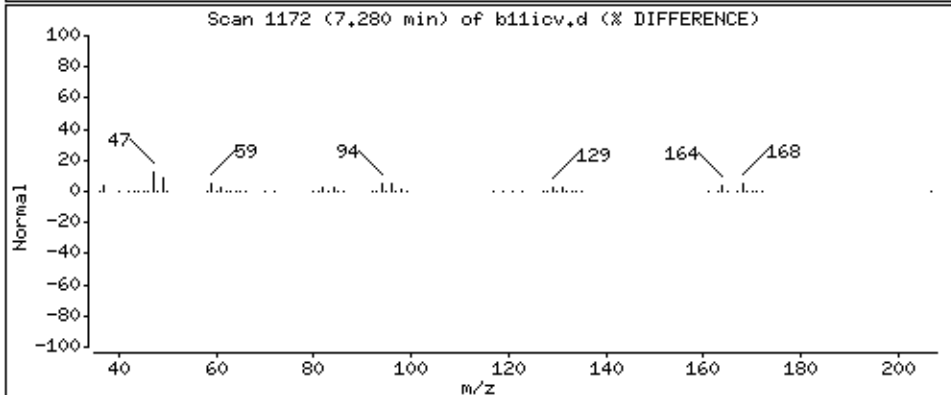
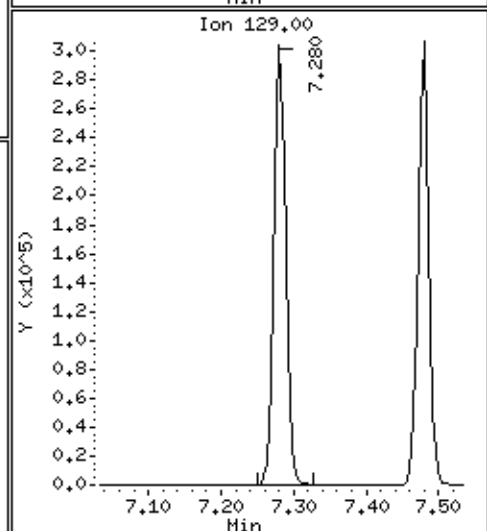
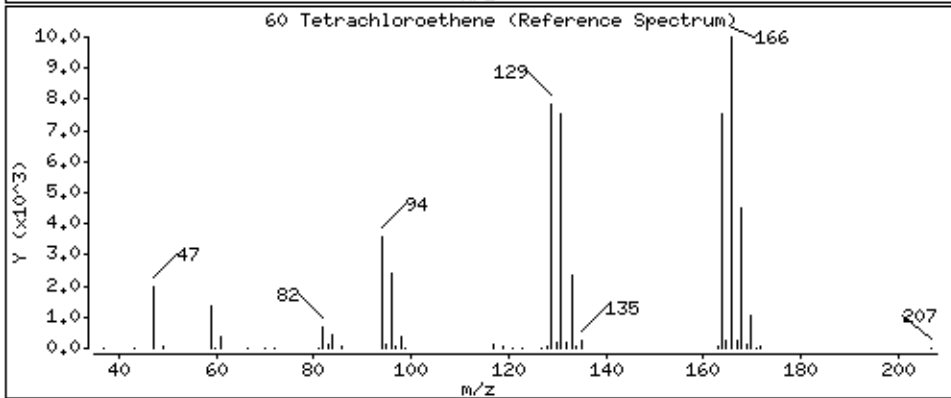
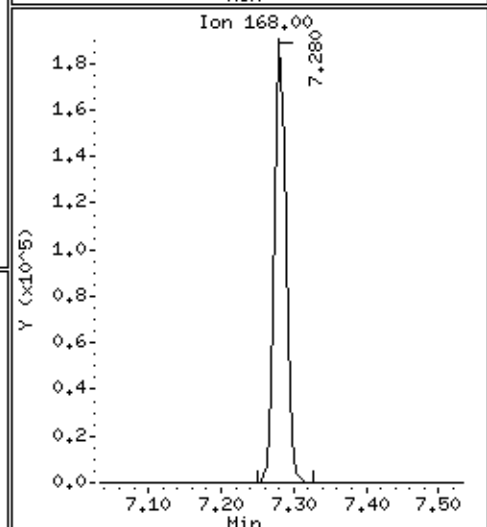
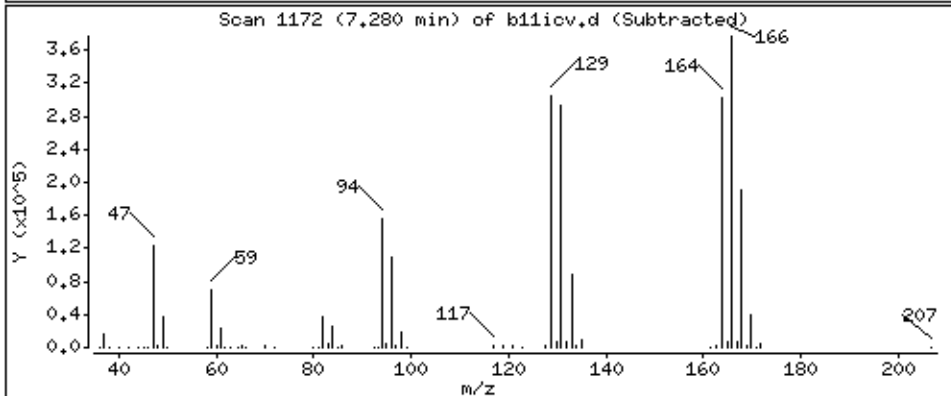
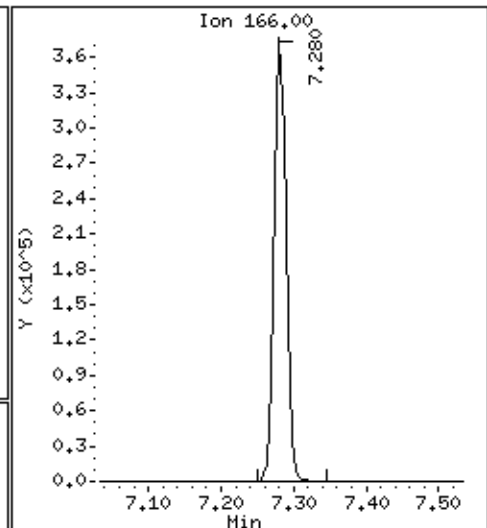
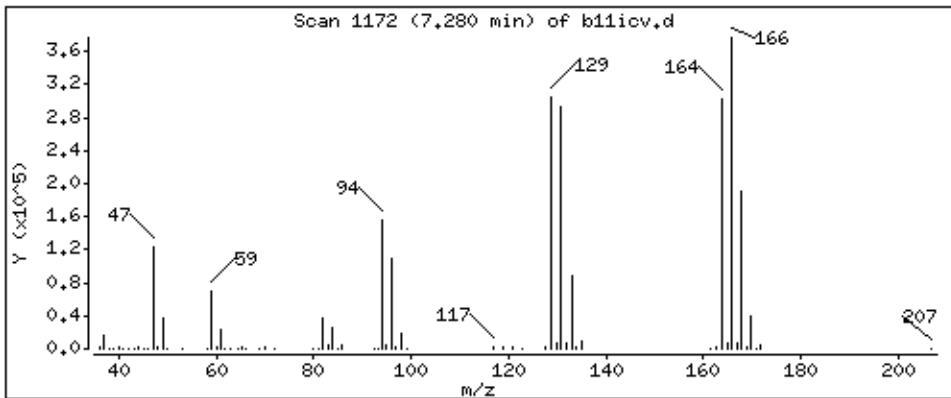
Operator: rsw

Column phase: DB-624

Column diameter: 0,18

60 Tetrachloroethene

Concentration: 50,2 ppb



Date : 25-JUN-2014 21:03

Client ID: 8260-ICV

Instrument: 50mv4b.i

Sample Info: 8260-ICV,71418:0

Purge Volume: 5.0

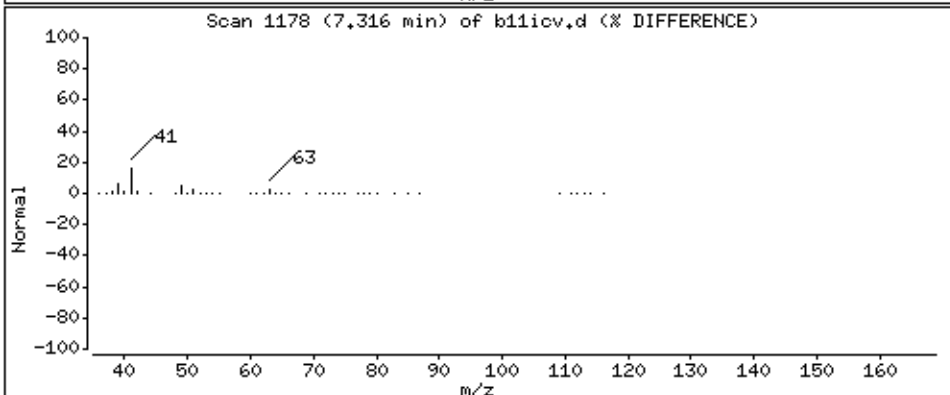
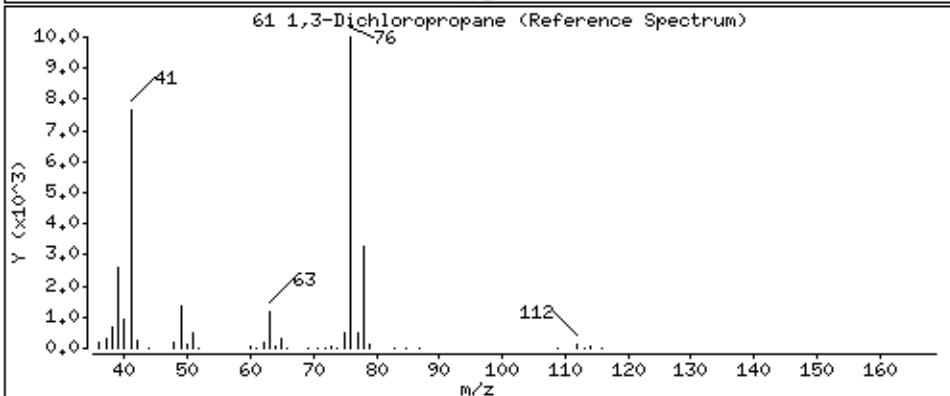
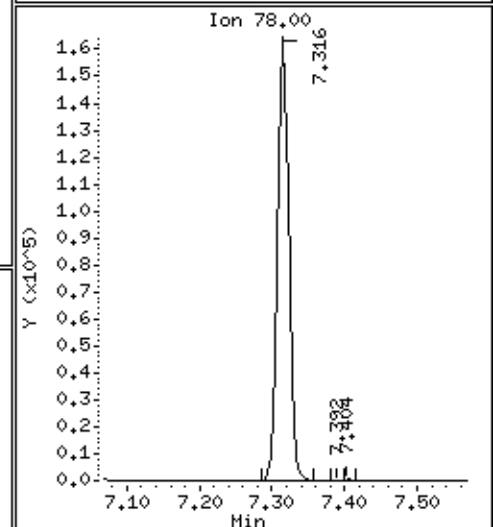
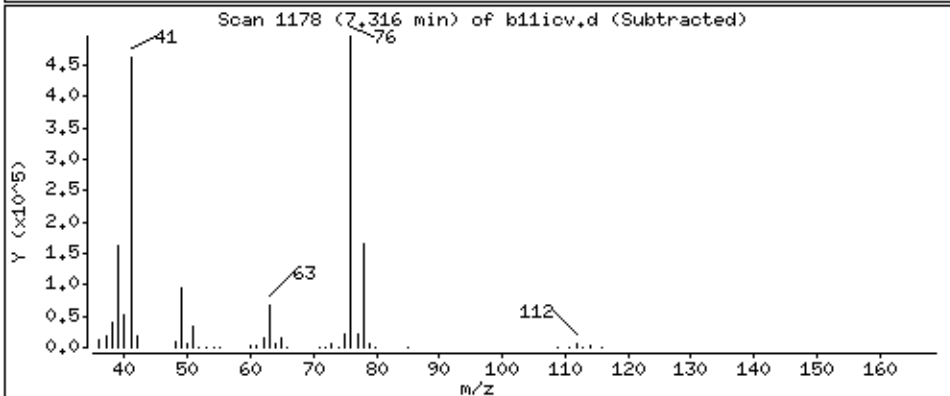
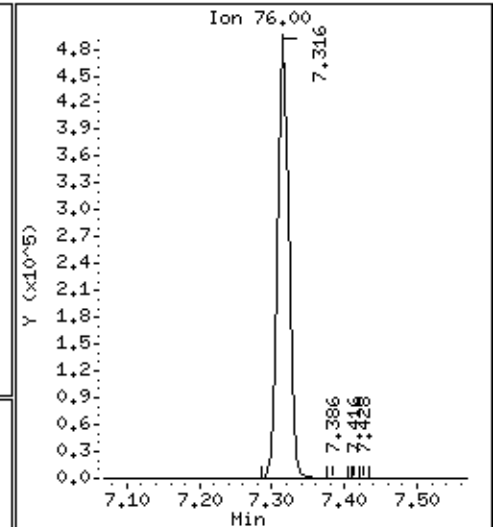
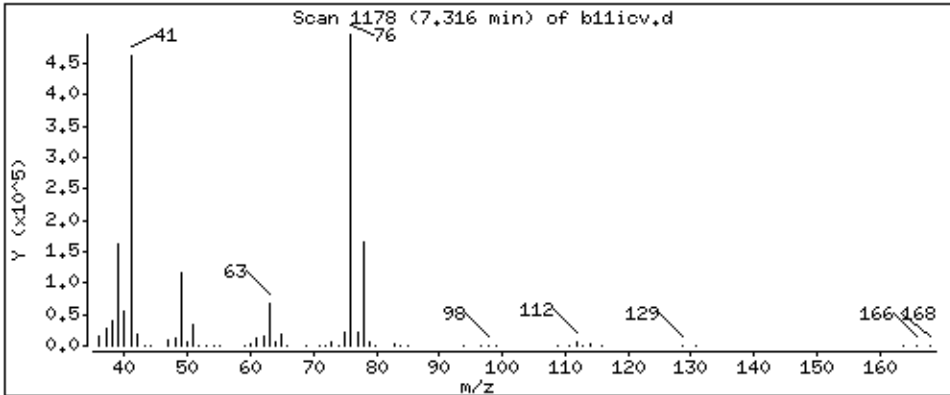
Operator: rsw

Column phase: DB-624

Column diameter: 0,18

61 1,3-Dichloropropane

Concentration: 48,4 ppb



Date : 25-JUN-2014 21:03

Client ID: 8260-ICV

Instrument: 50mv4b.i

Sample Info: 8260-ICV,71418:0

Purge Volume: 5.0

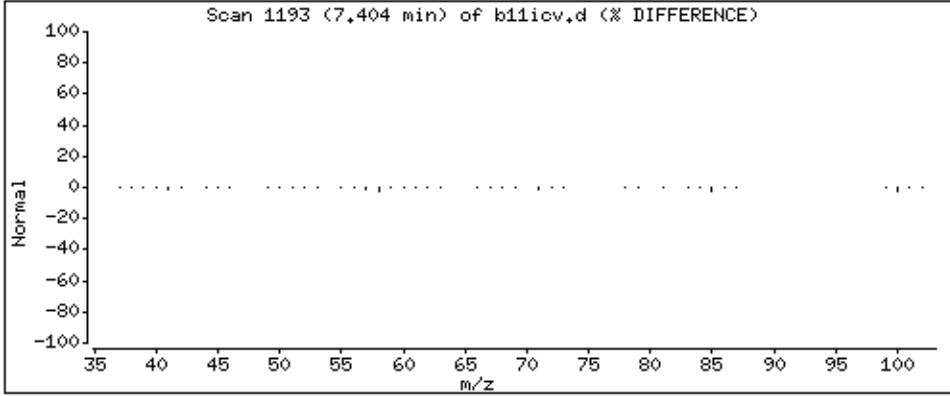
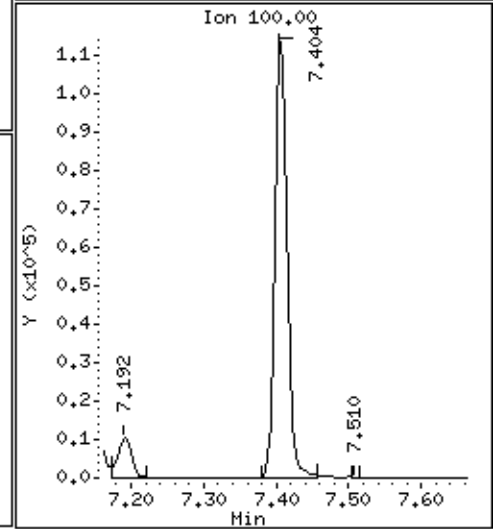
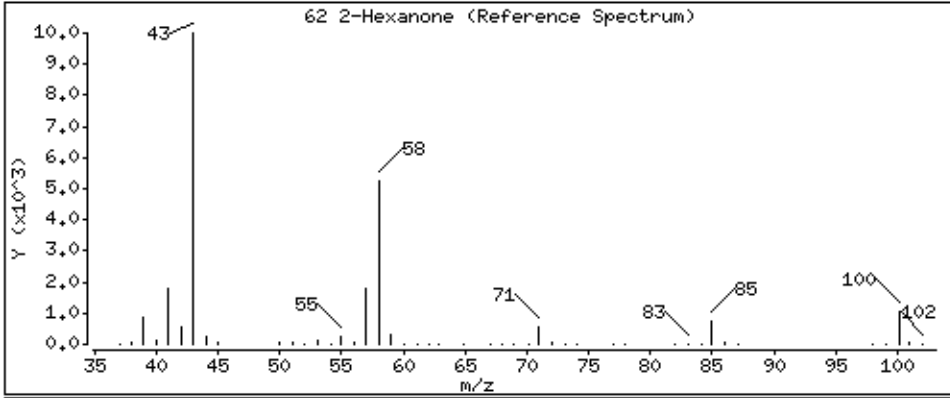
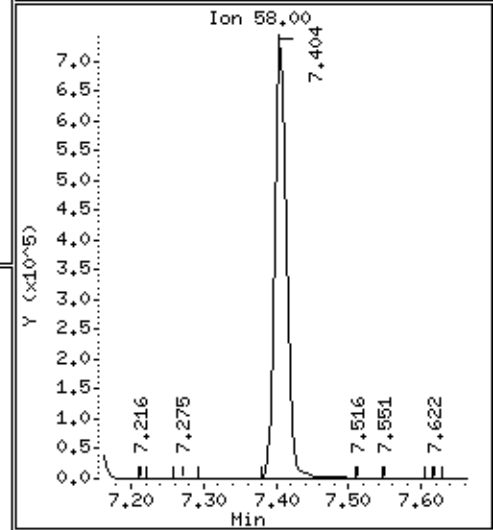
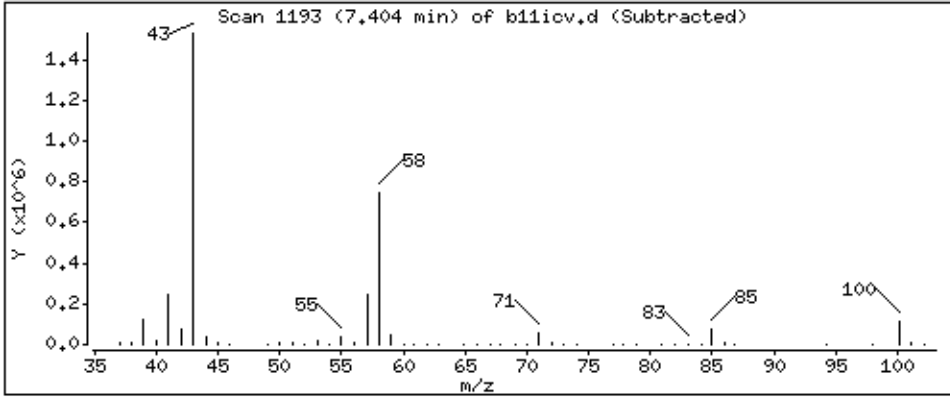
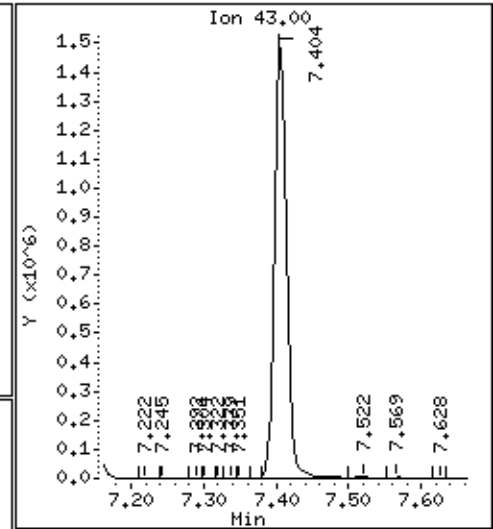
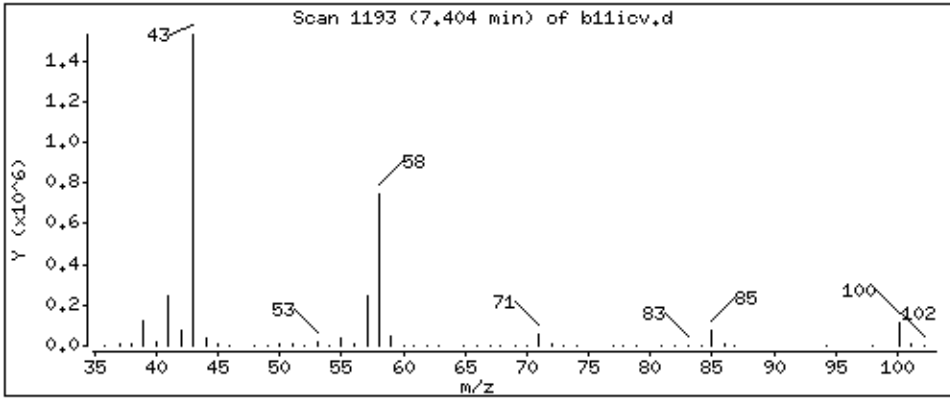
Operator: rsw

Column phase: DB-624

Column diameter: 0,18

62 2-Hexanone

Concentration: 303 ppb



Date : 25-JUN-2014 21:03

Client ID: 8260-ICV

Instrument: 50mv4b.i

Sample Info: 8260-ICV,71418:0

Purge Volume: 5.0

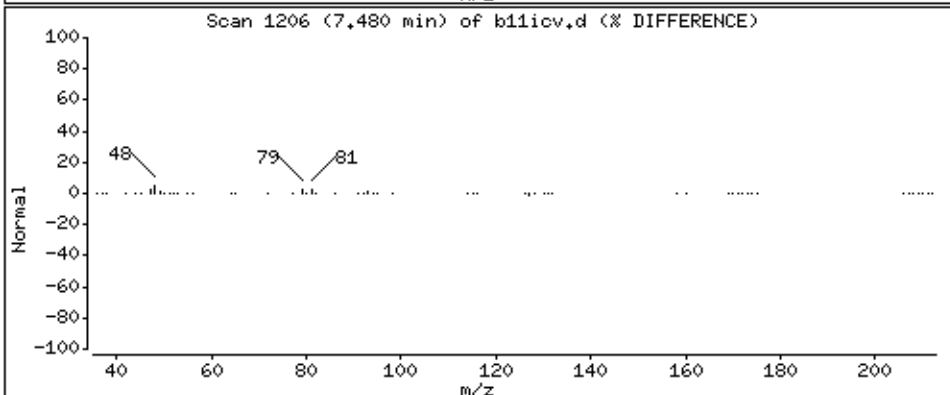
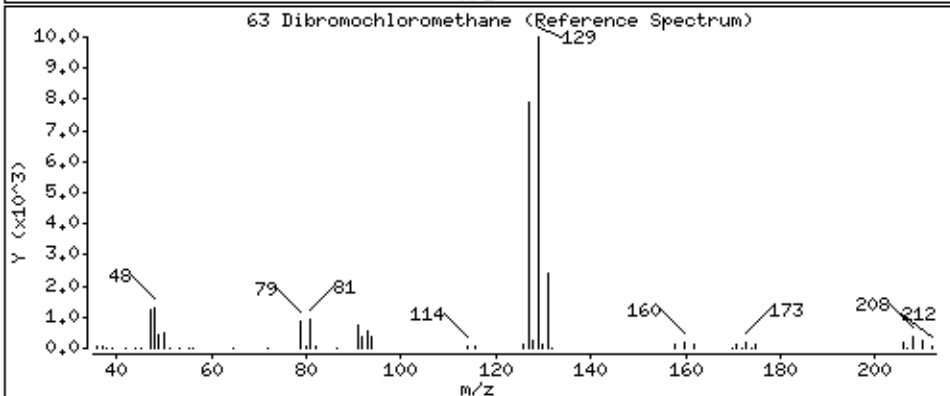
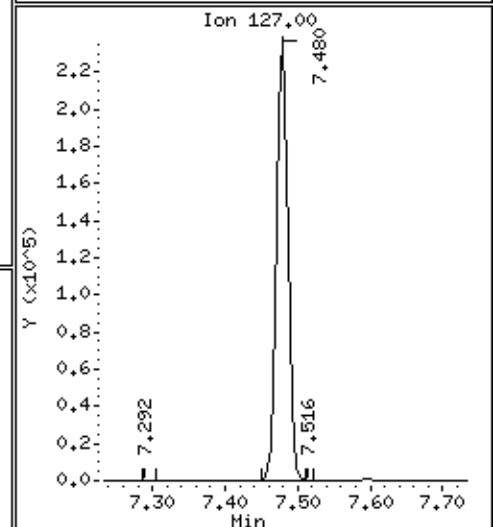
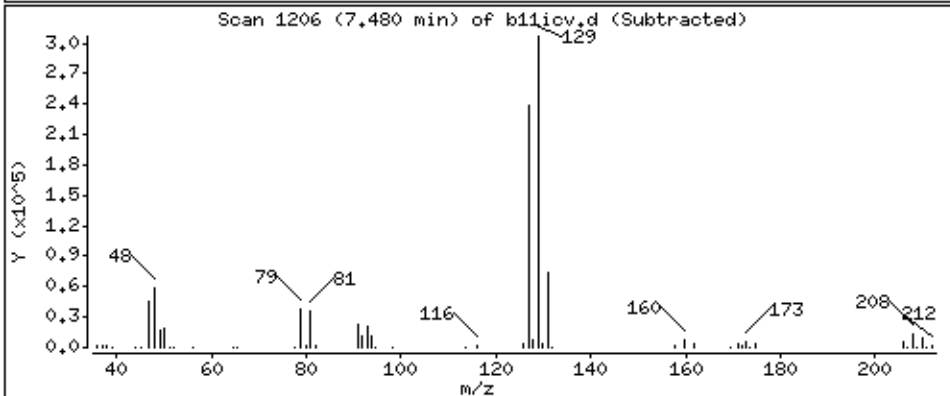
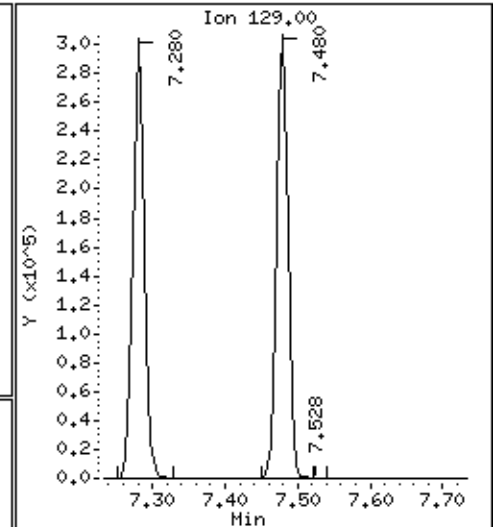
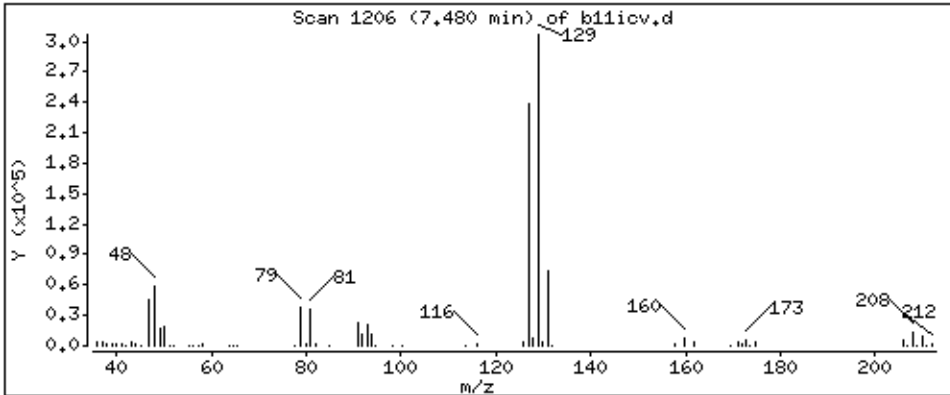
Operator: rsw

Column phase: DB-624

Column diameter: 0,18

63 Dibromochloromethane

Concentration: 45,0 ppb



Date : 25-JUN-2014 21:03

Client ID: 8260-ICV

Instrument: 50mv4b.i

Sample Info: 8260-ICV,71418:0

Purge Volume: 5.0

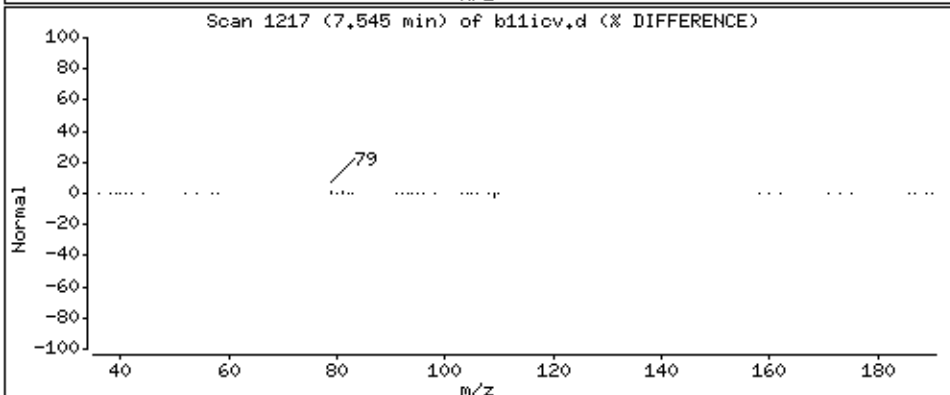
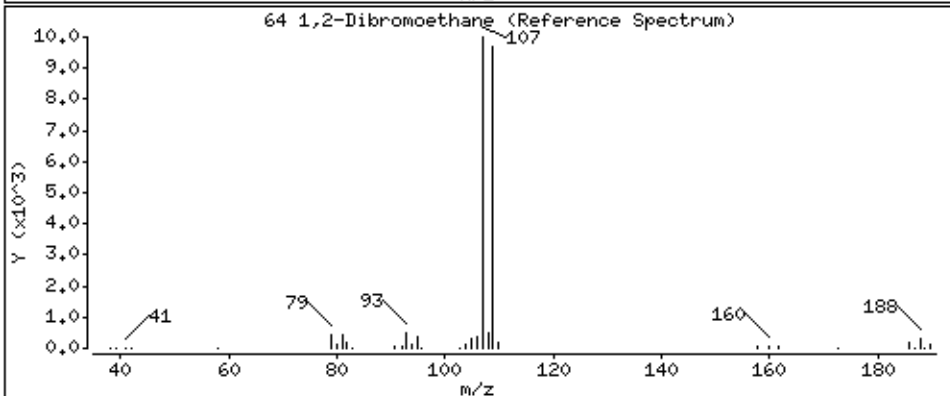
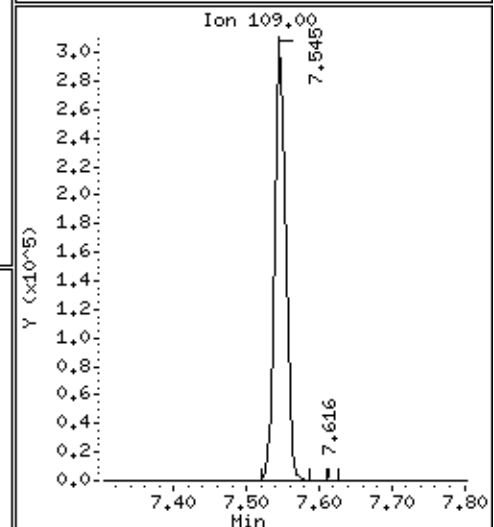
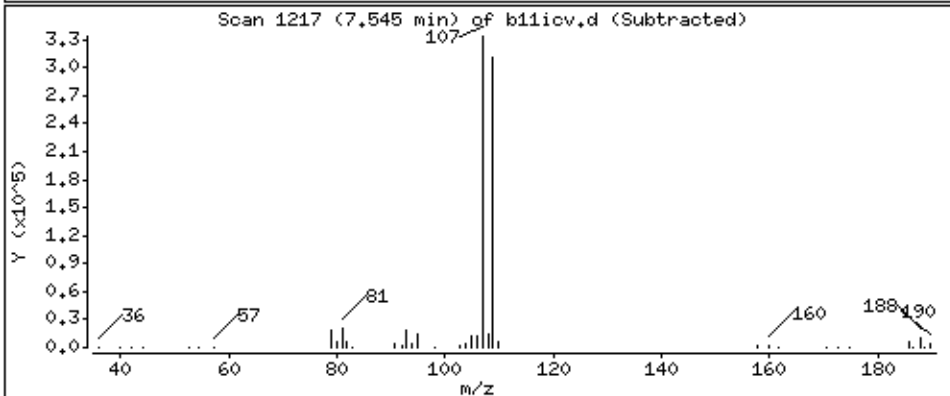
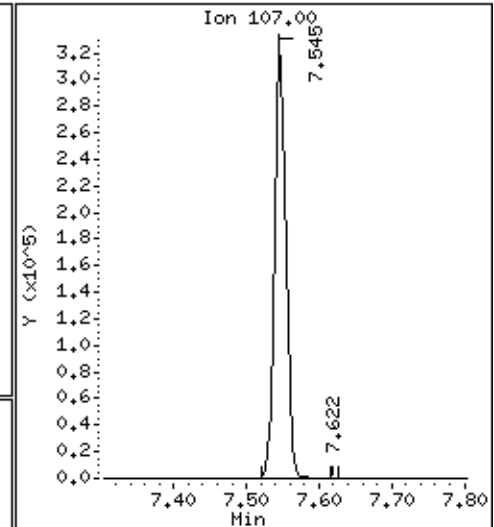
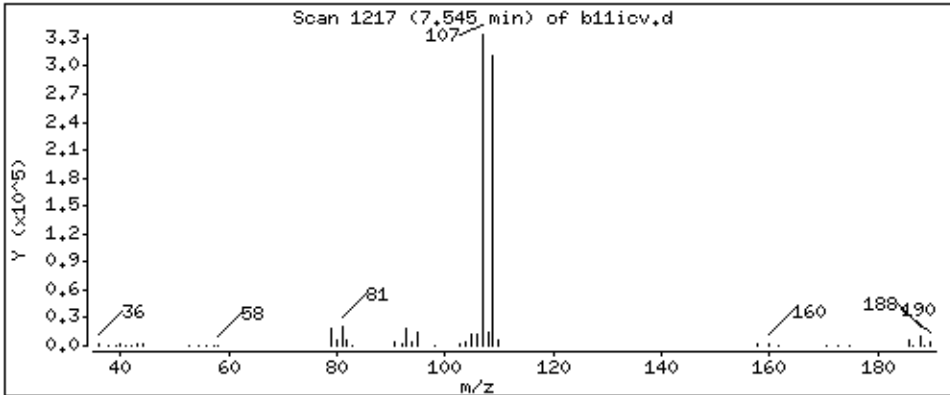
Operator: rsw

Column phase: DB-624

Column diameter: 0,18

64 1,2-Dibromoethane

Concentration: 56,4 ppb



Date : 25-JUN-2014 21:03

Client ID: 8260-ICV

Instrument: 50mv4b.i

Sample Info: 8260-ICV,71418:0

Purge Volume: 5.0

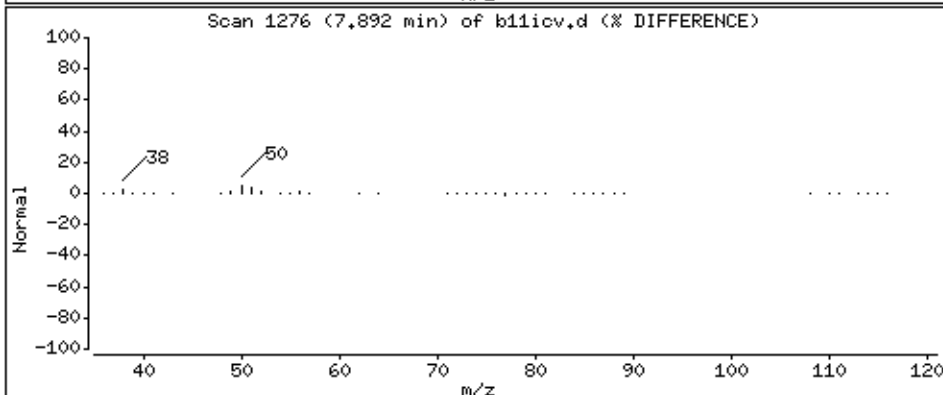
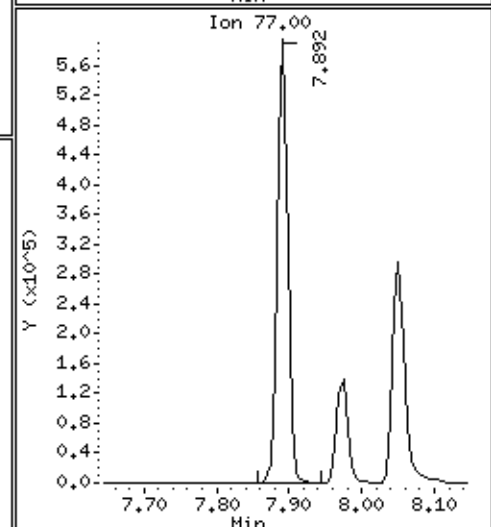
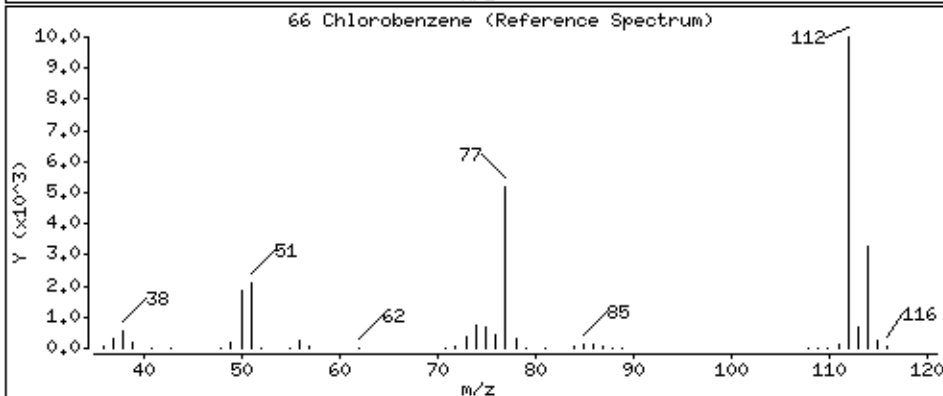
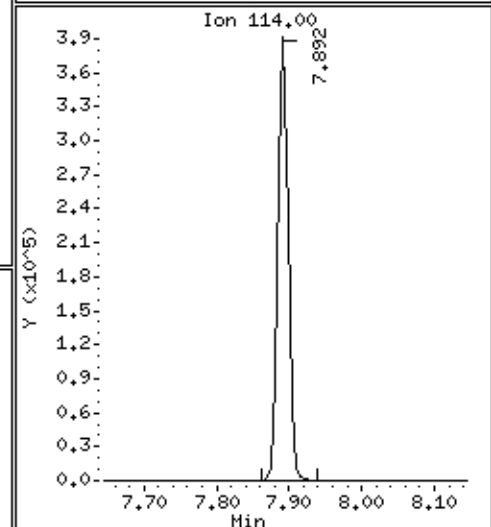
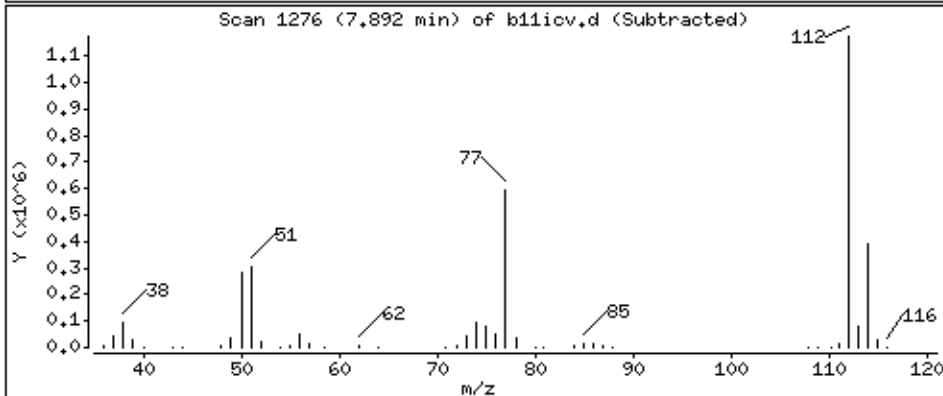
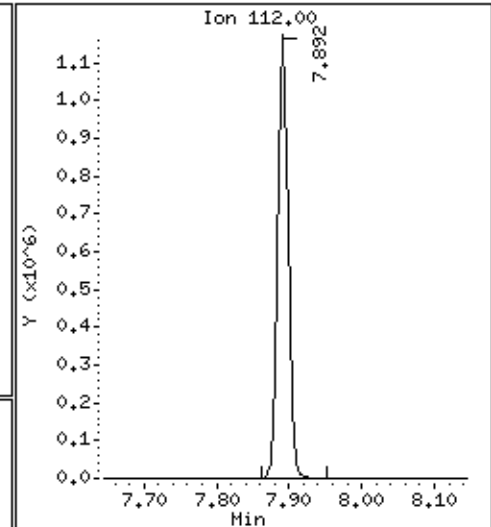
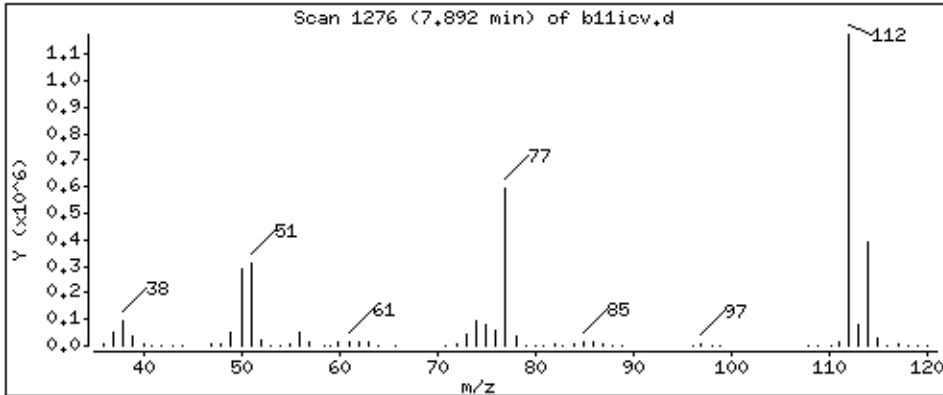
Operator: rsw

Column phase: DB-624

Column diameter: 0,18

66 Chlorobenzene

Concentration: 51.8 ppb



Date : 25-JUN-2014 21:03

Client ID: 8260-ICV

Instrument: 50mv4b.i

Sample Info: 8260-ICV,71418:0

Purge Volume: 5.0

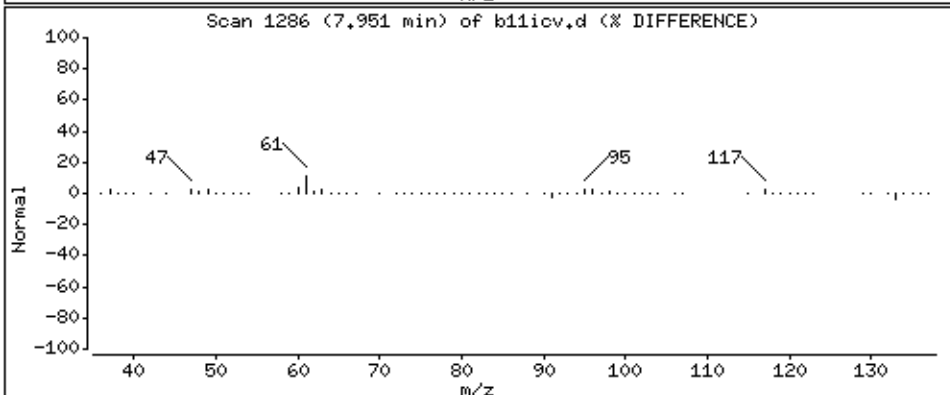
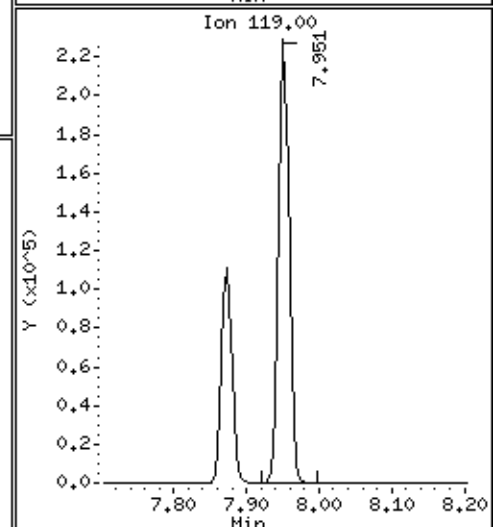
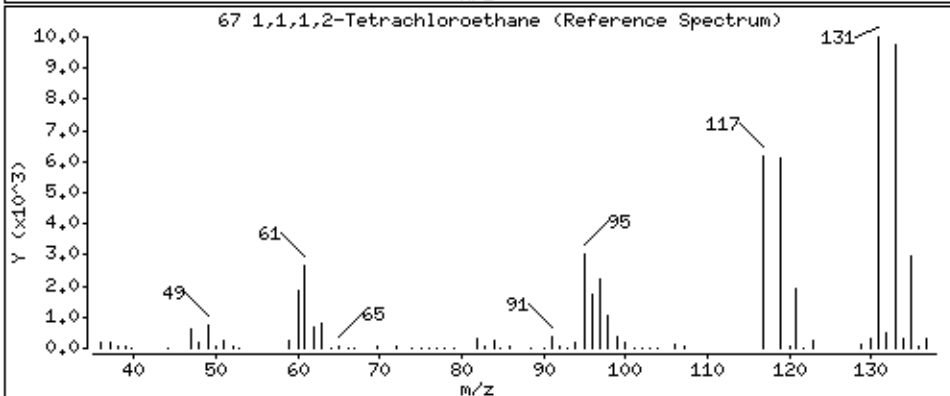
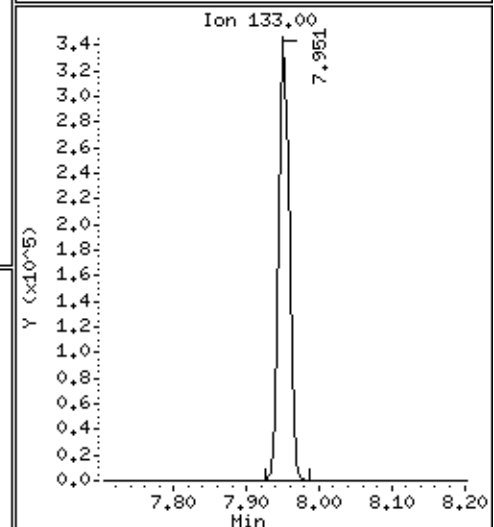
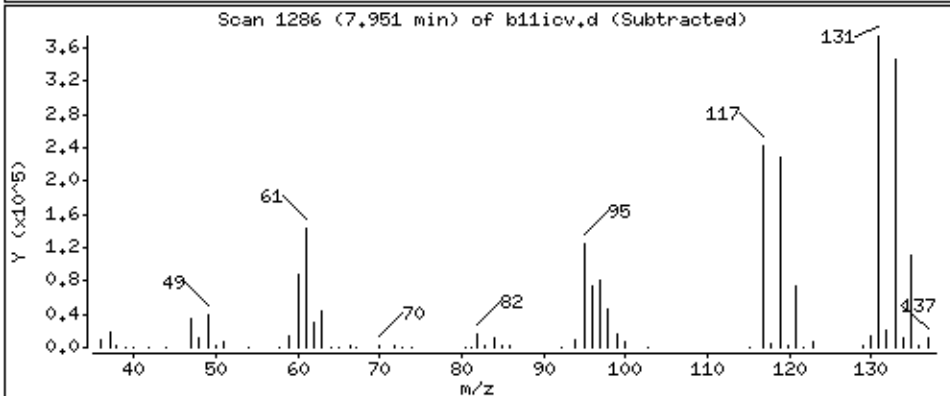
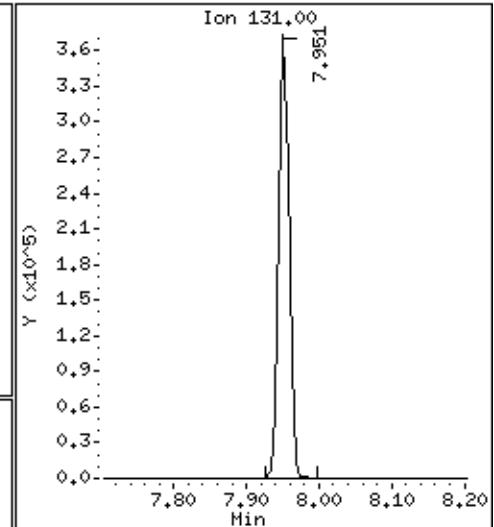
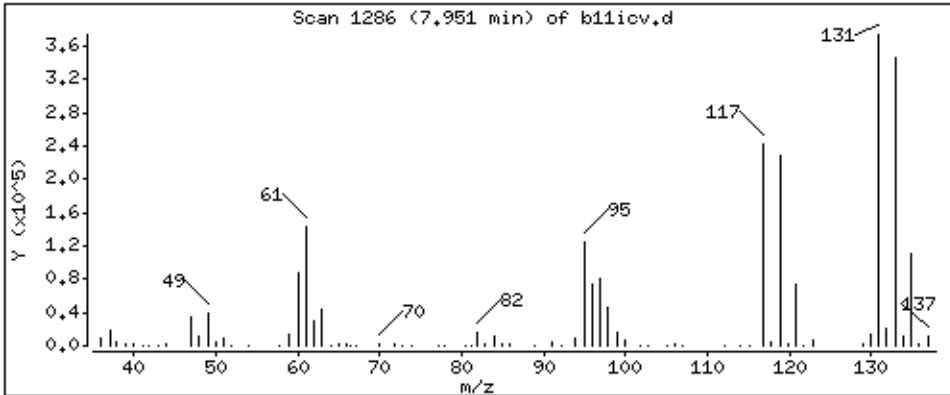
Operator: rsw

Column phase: DB-624

Column diameter: 0,18

67 1,1,1,2-Tetrachloroethane

Concentration: 48,5 ppb



Date : 25-JUN-2014 21:03

Client ID: 8260-ICV

Instrument: 50mv4b.i

Sample Info: 8260-ICV,71418:0

Purge Volume: 5.0

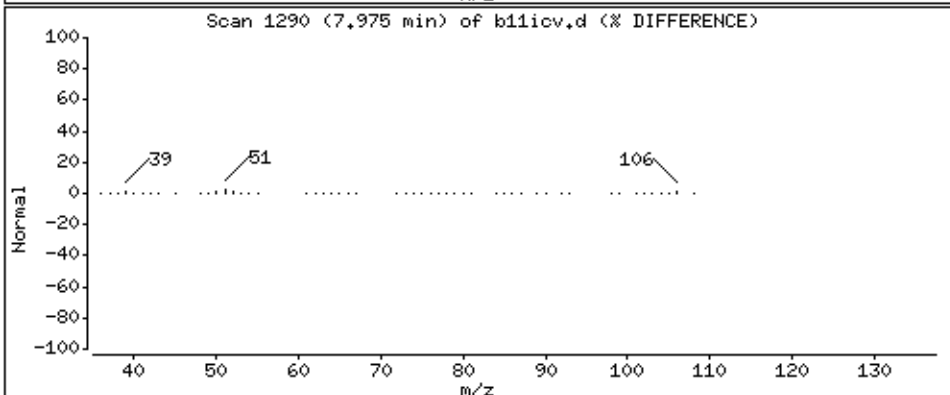
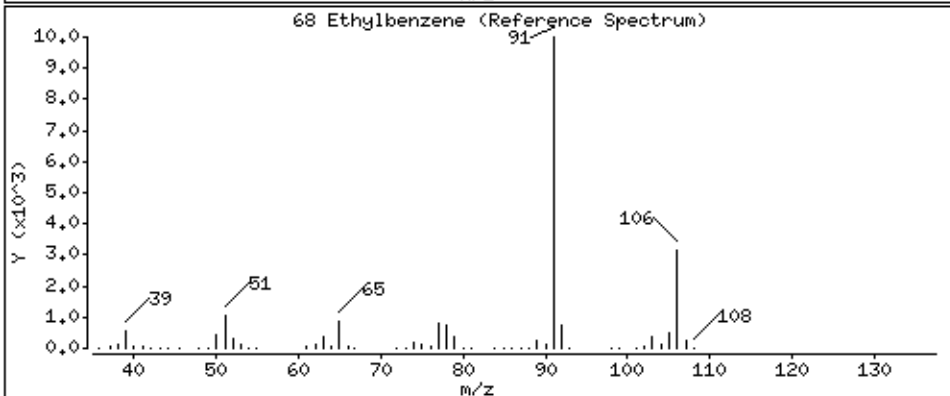
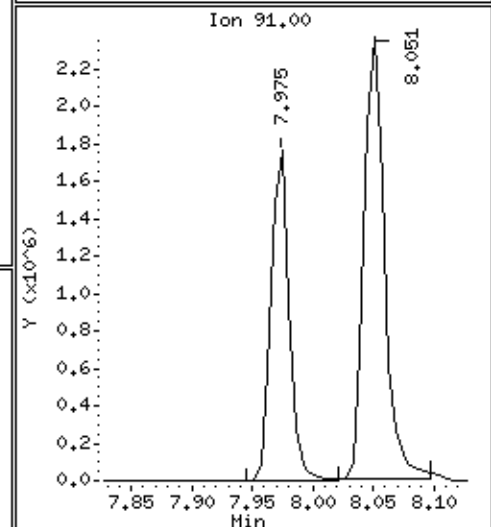
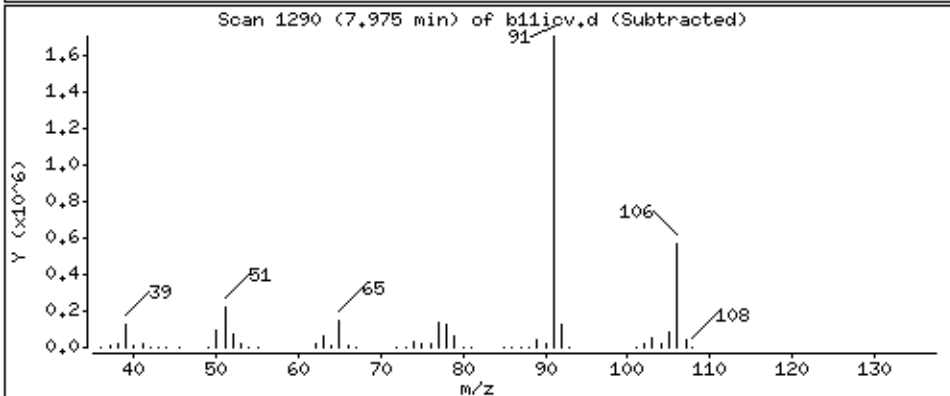
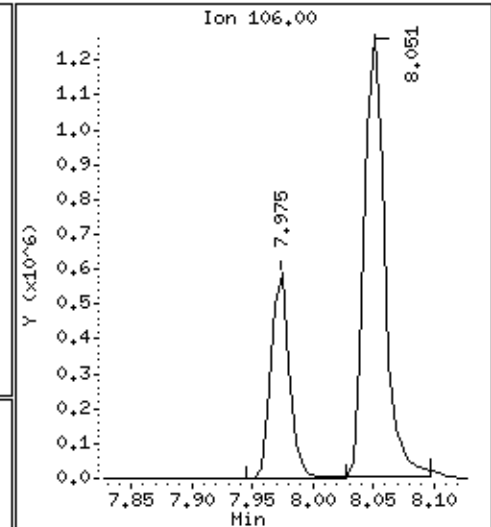
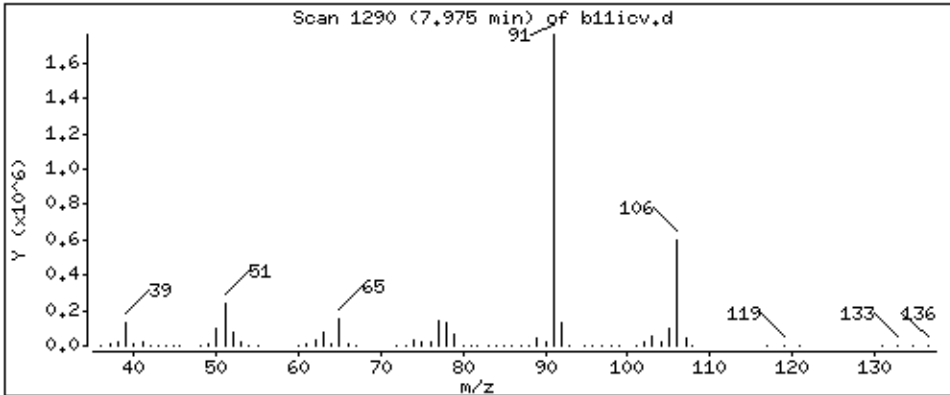
Operator: rsw

Column phase: DB-624

Column diameter: 0,18

68 Ethylbenzene

Concentration: 59,3 ppb



Date : 25-JUN-2014 21:03

Client ID: 8260-ICV

Instrument: 50mv4b.i

Sample Info: 8260-ICV,71418:0

Purge Volume: 5.0

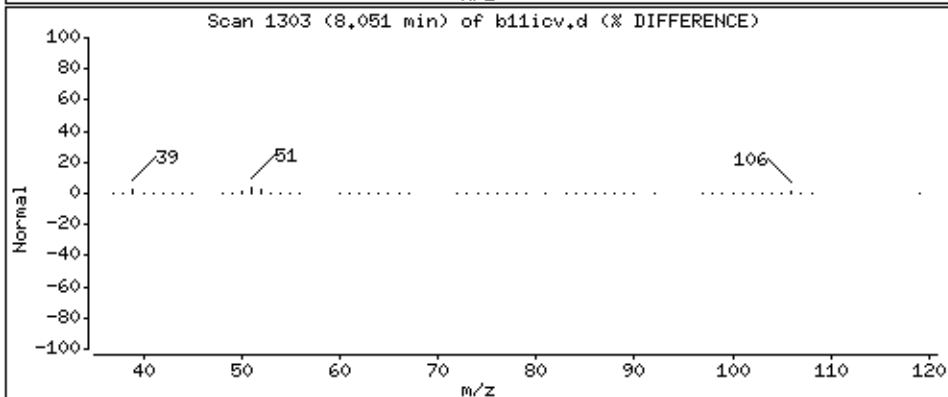
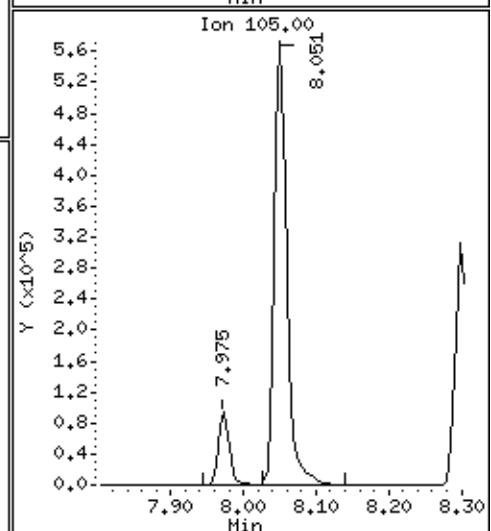
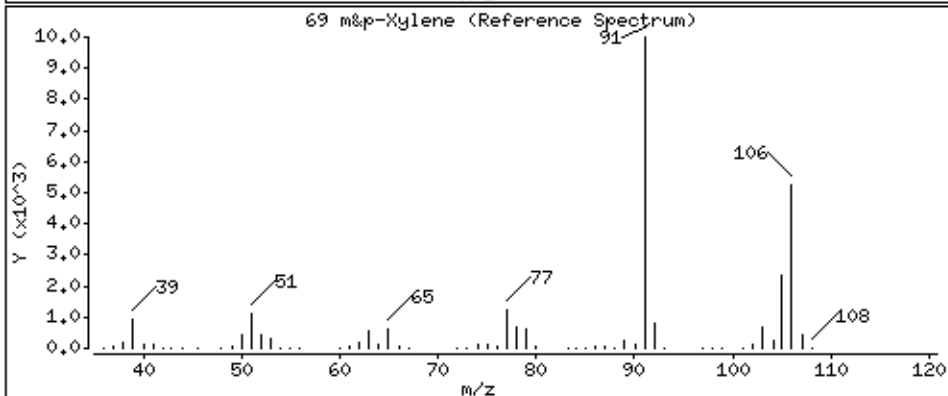
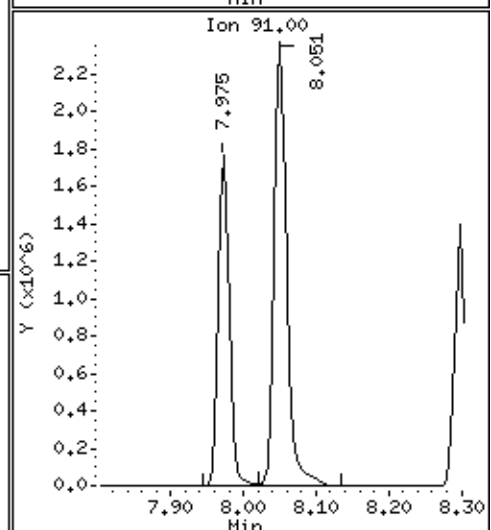
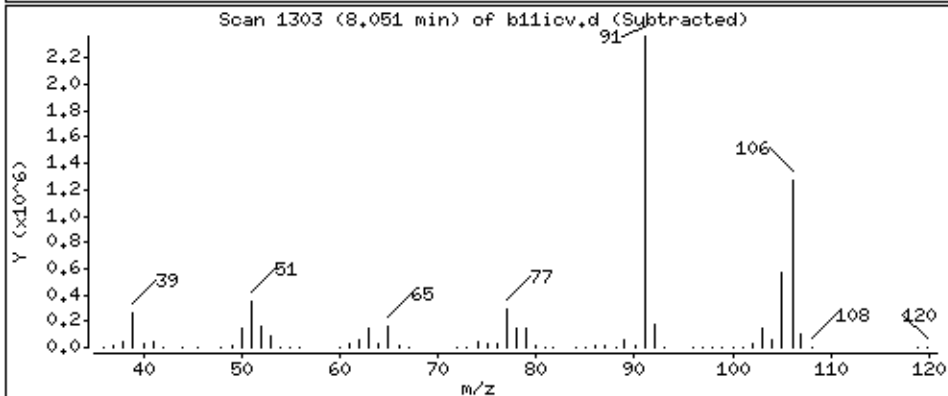
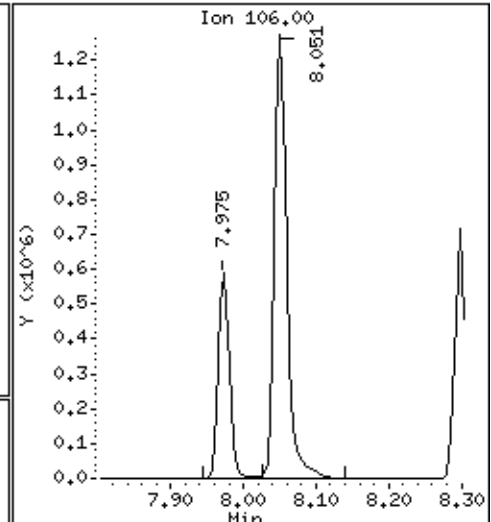
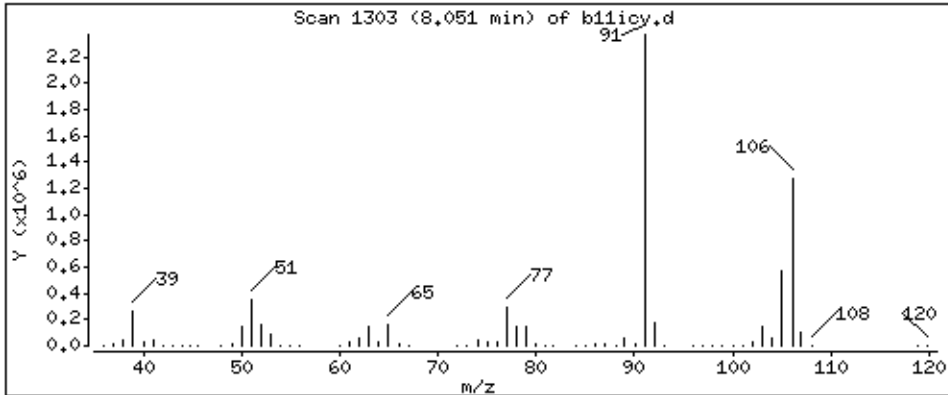
Operator: rsw

Column phase: DB-624

Column diameter: 0,18

69 m&p-Xylene

Concentration: 122 ppb



Date : 25-JUN-2014 21:03

Client ID: 8260-ICV

Instrument: 50mv4b.i

Sample Info: 8260-ICV,71418:0

Purge Volume: 5.0

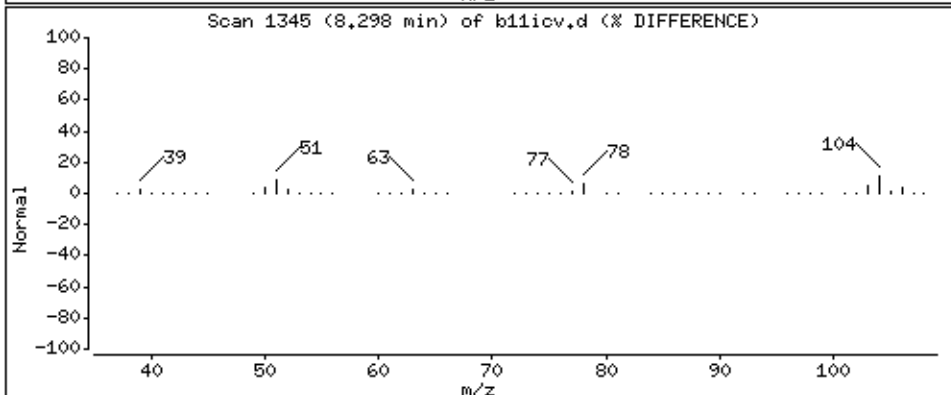
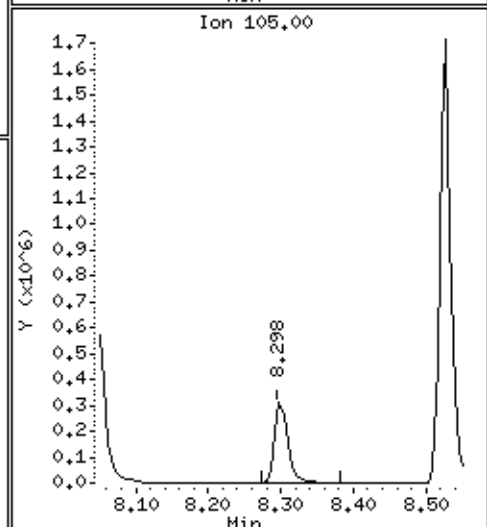
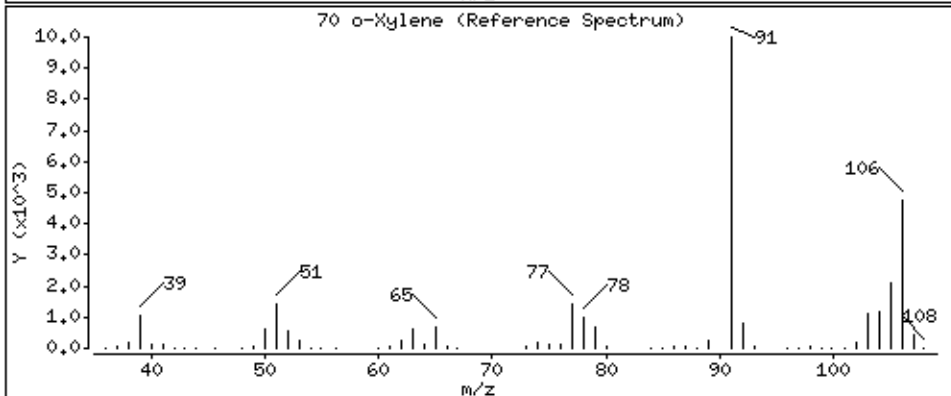
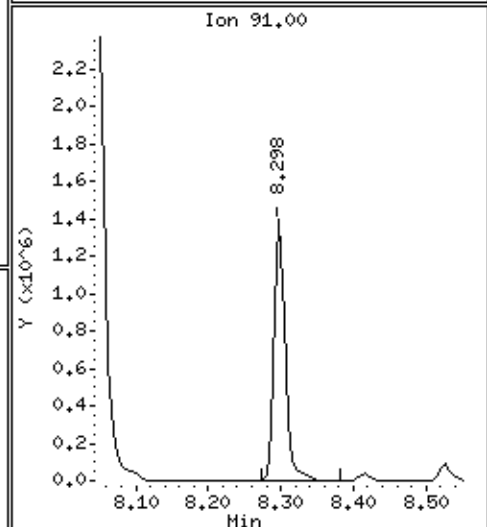
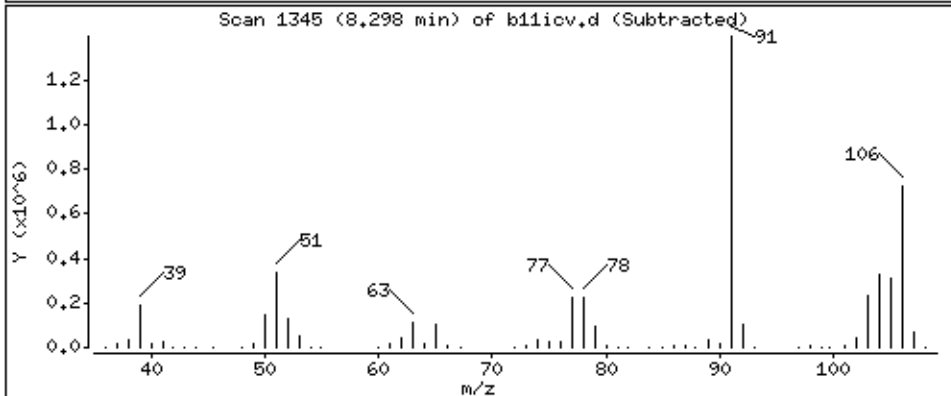
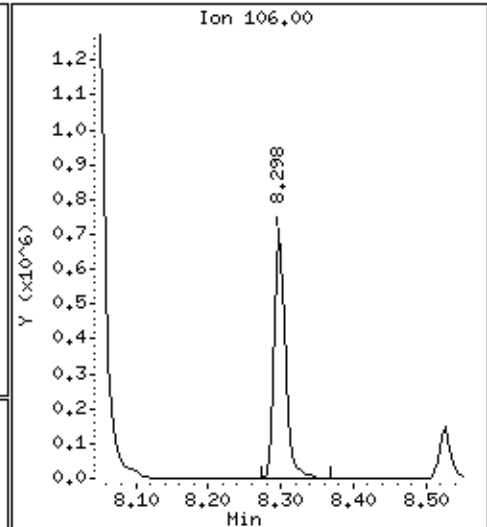
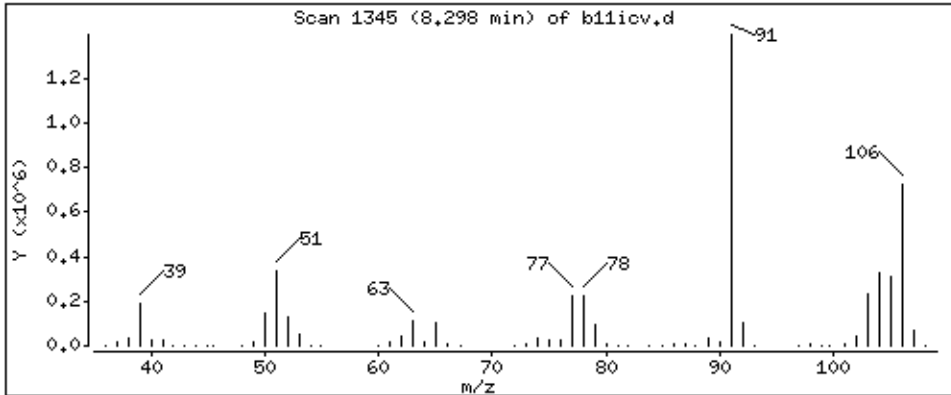
Operator: rsw

Column phase: DB-624

Column diameter: 0,18

70 o-Xylene

Concentration: 63,3 ppb



Date : 25-JUN-2014 21:03

Client ID: 8260-ICV

Instrument: 50mv4b.i

Sample Info: 8260-ICV,71418:0

Purge Volume: 5.0

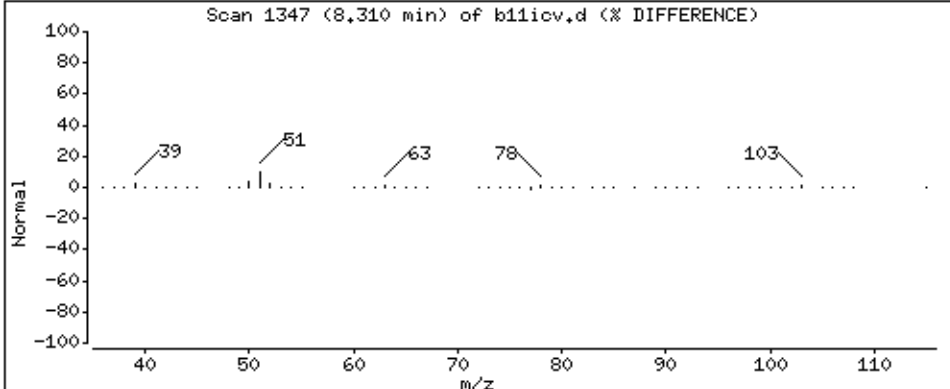
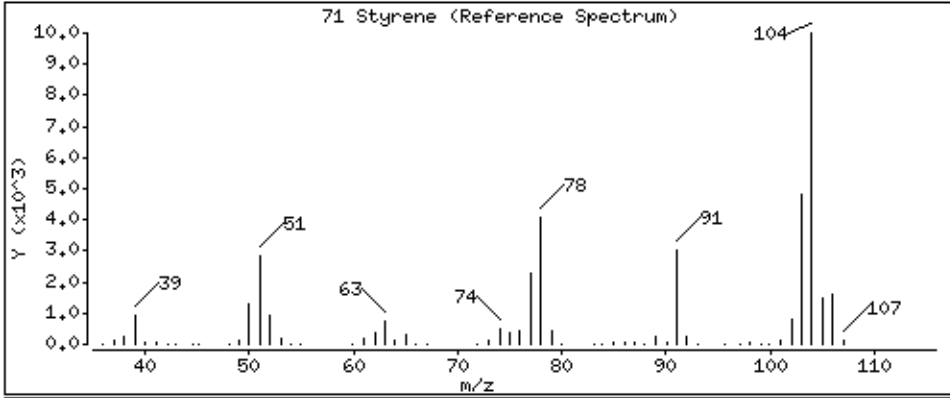
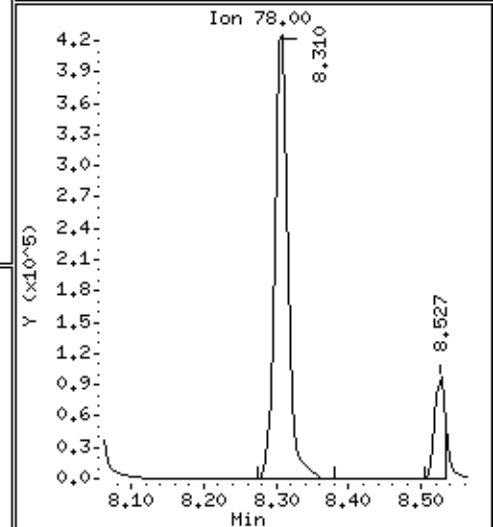
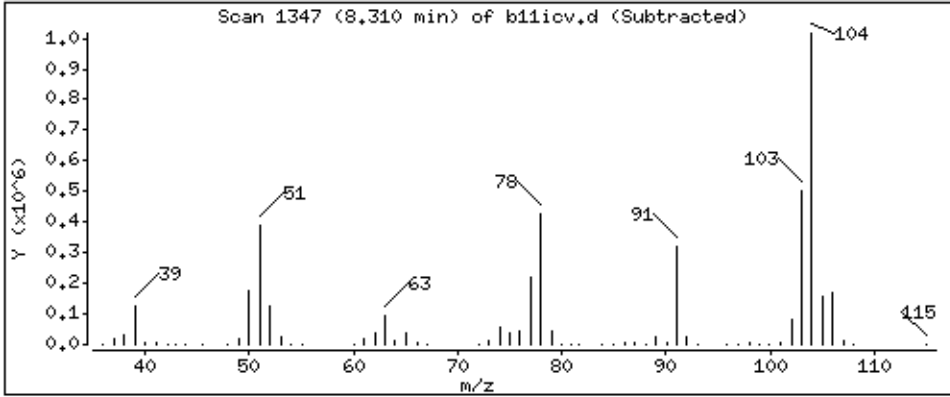
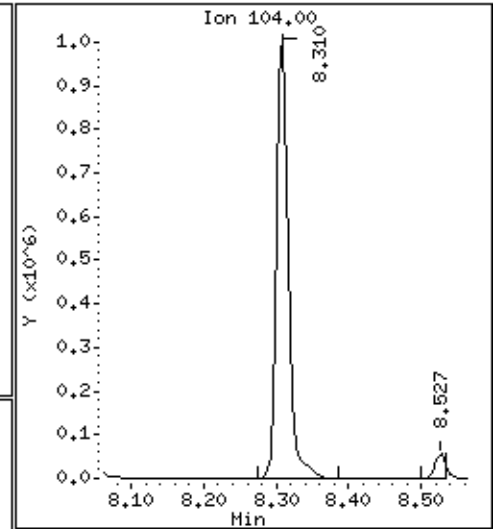
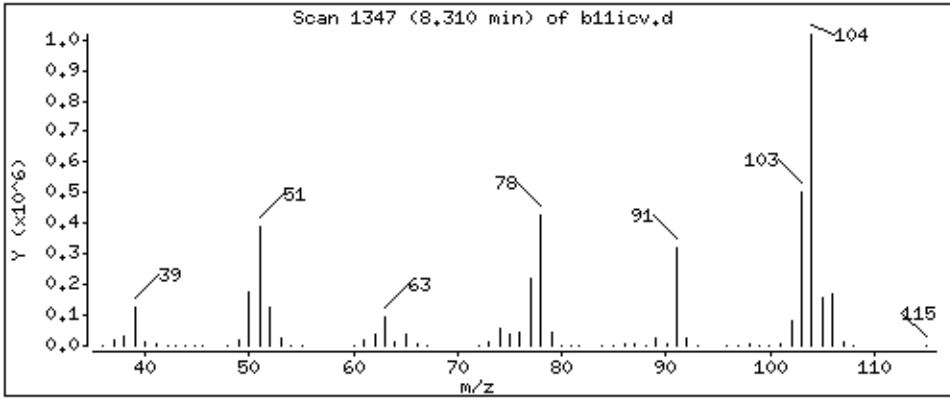
Operator: rsw

Column phase: DB-624

Column diameter: 0,18

71 Styrene

Concentration: 54,8 ppb



Date : 25-JUN-2014 21:03

Client ID: 8260-ICV

Instrument: 50mv4b.i

Sample Info: 8260-ICV,71418:0

Purge Volume: 5.0

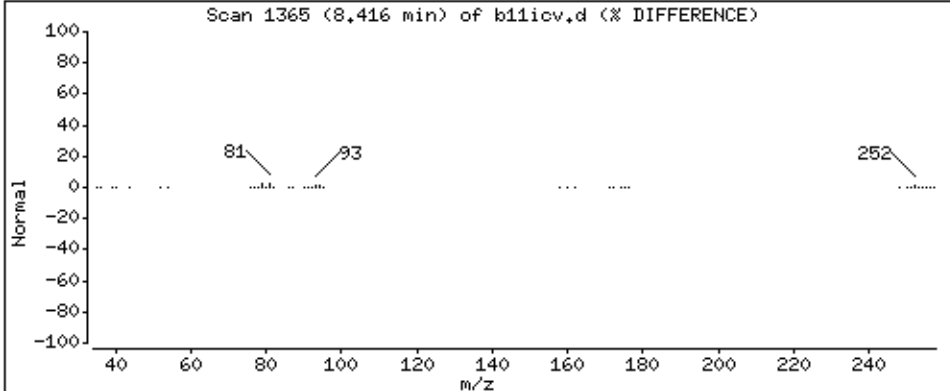
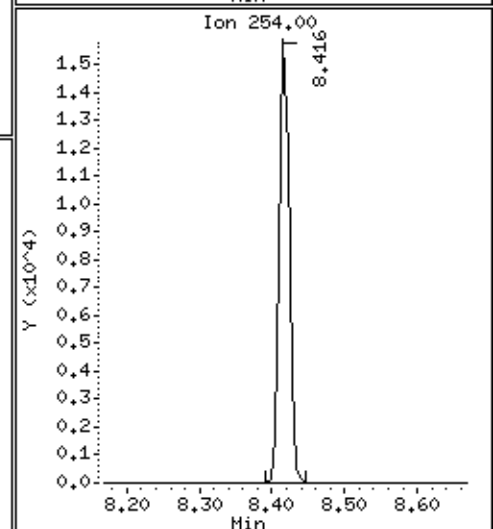
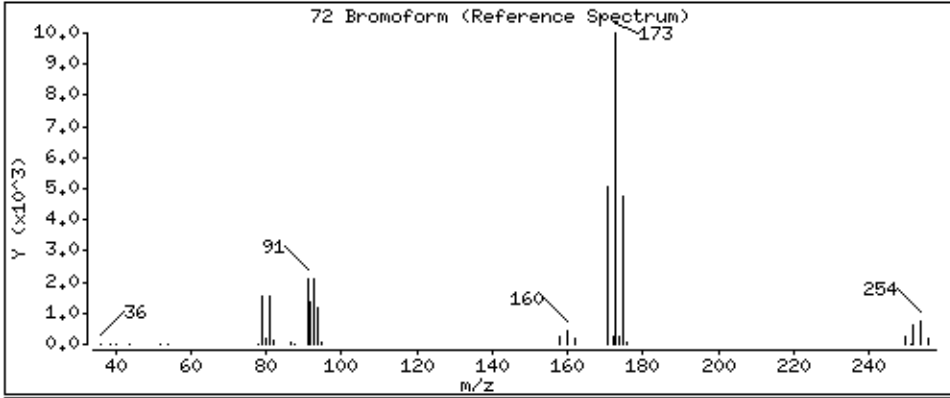
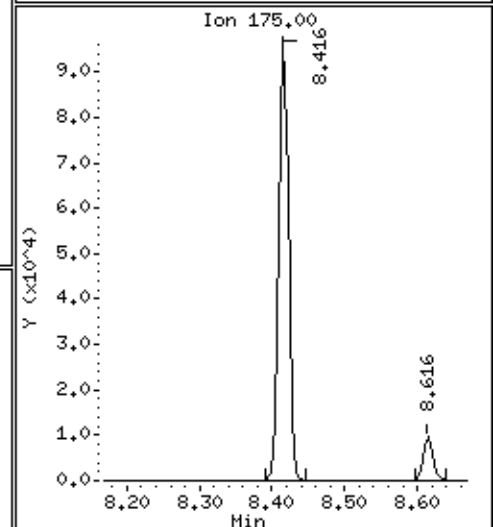
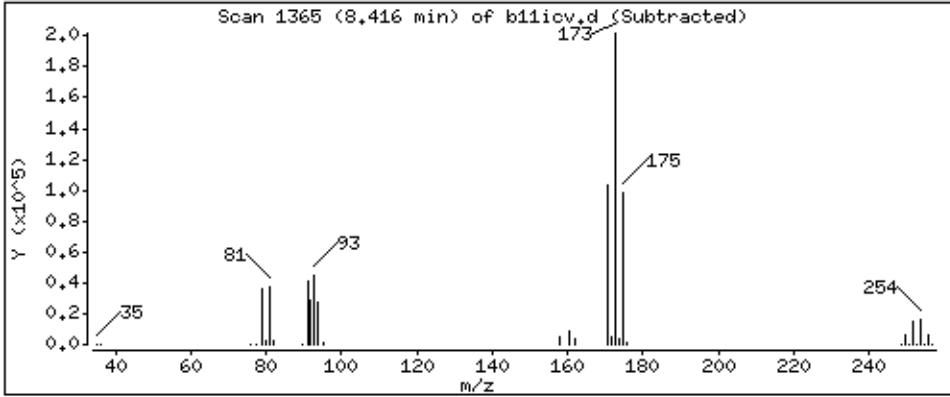
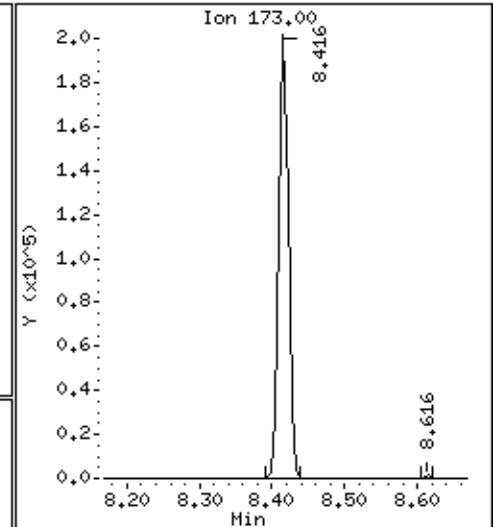
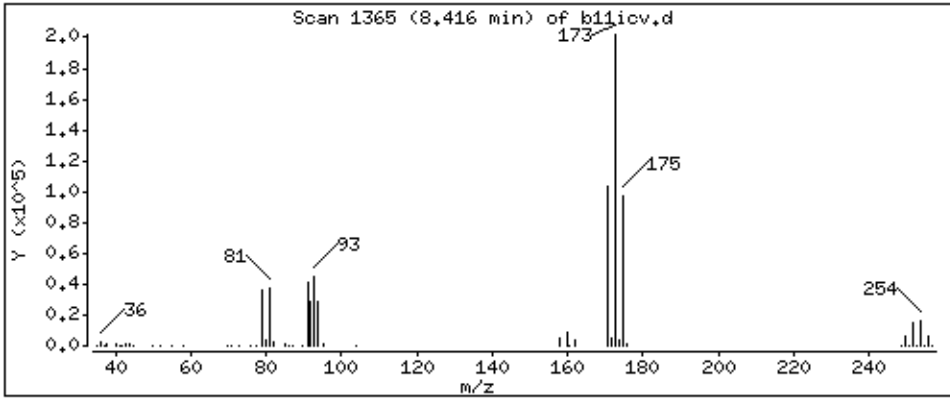
Operator: rsw

Column phase: DB-624

Column diameter: 0,18

72 Bromoform

Concentration: 43.0 ppb



Date : 25-JUN-2014 21:03

Client ID: 8260-ICV

Instrument: 50mv4b.i

Sample Info: 8260-ICV,71418:0

Purge Volume: 5.0

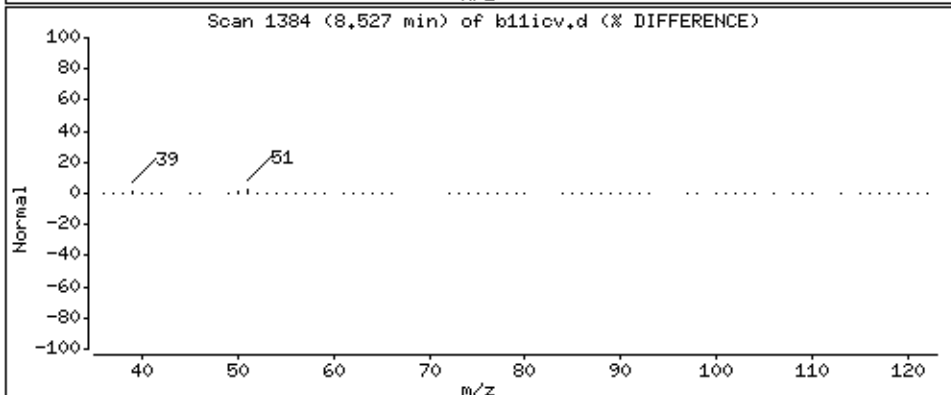
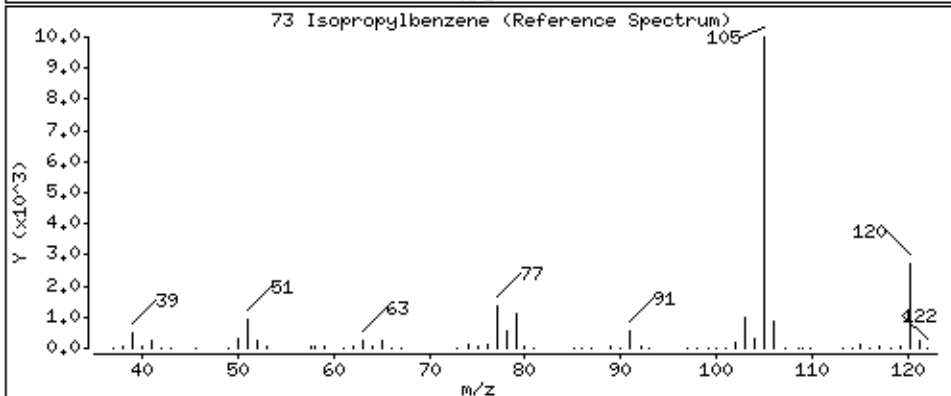
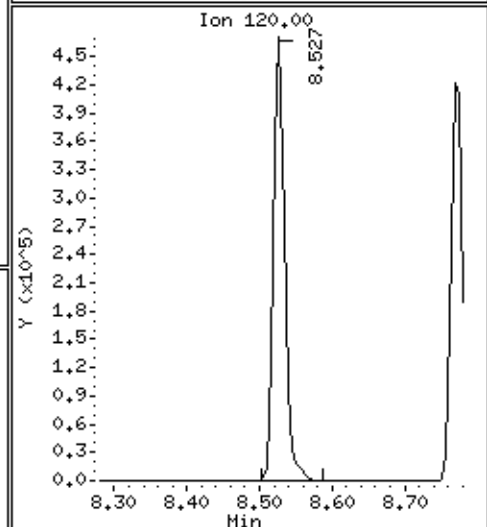
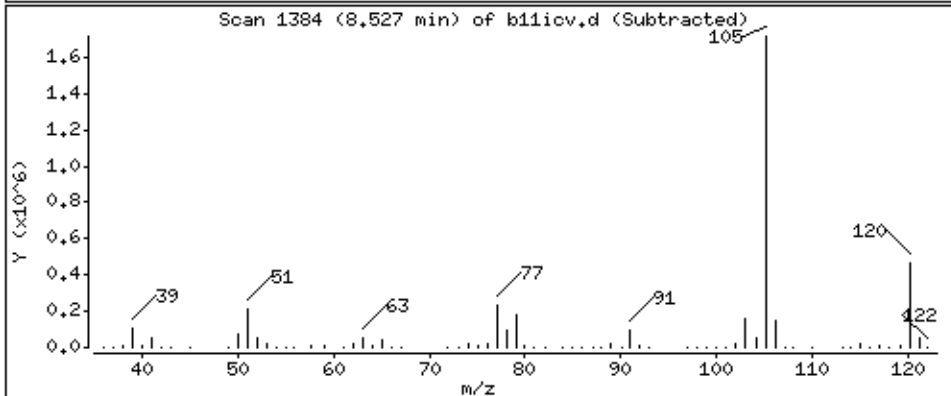
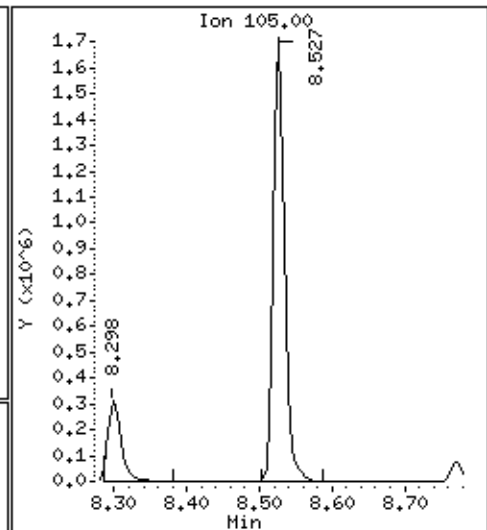
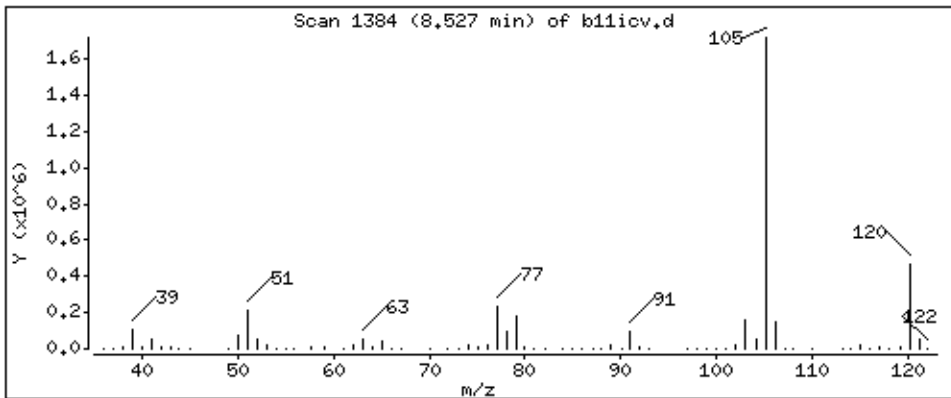
Operator: rsw

Column phase: DB-624

Column diameter: 0,18

73 Isopropylbenzene

Concentration: 56,6 ppb



Date : 25-JUN-2014 21:03

Client ID: 8260-ICV

Instrument: 50mv4b.i

Sample Info: 8260-ICV,71418:0

Purge Volume: 5.0

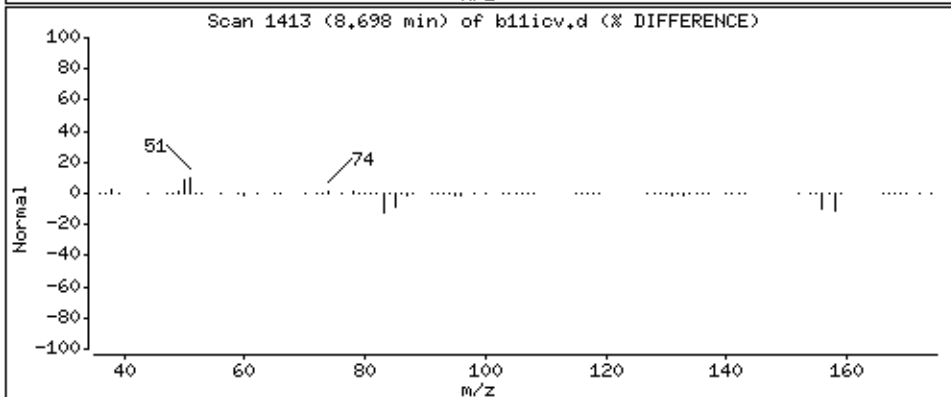
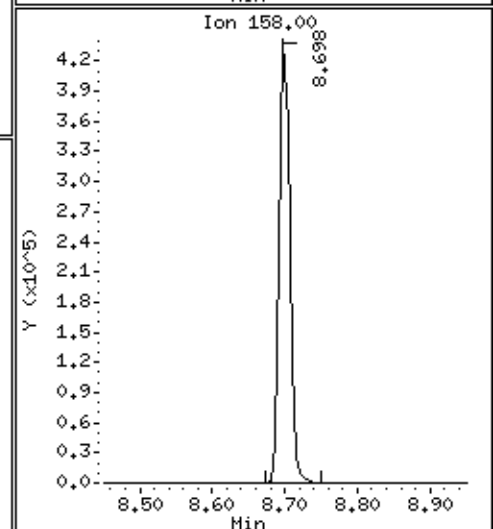
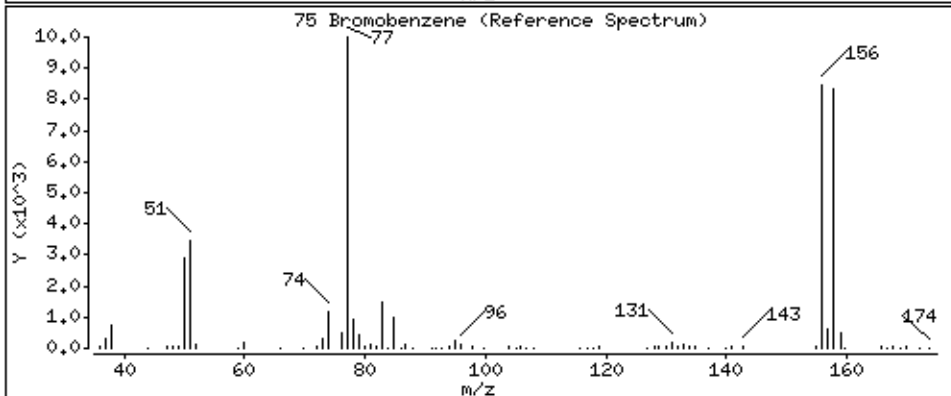
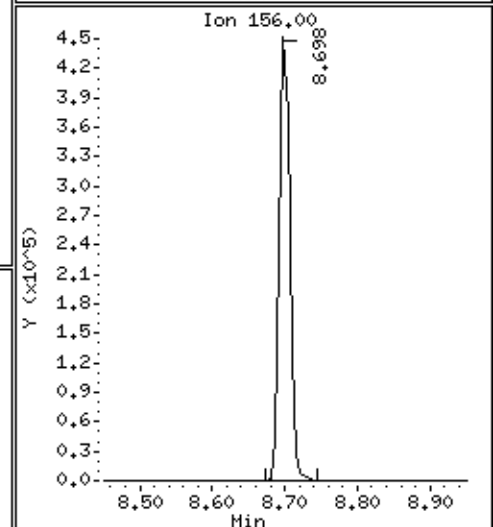
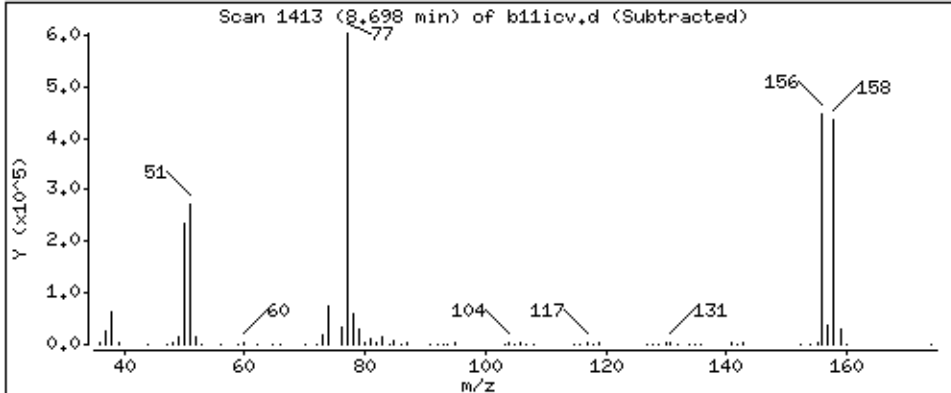
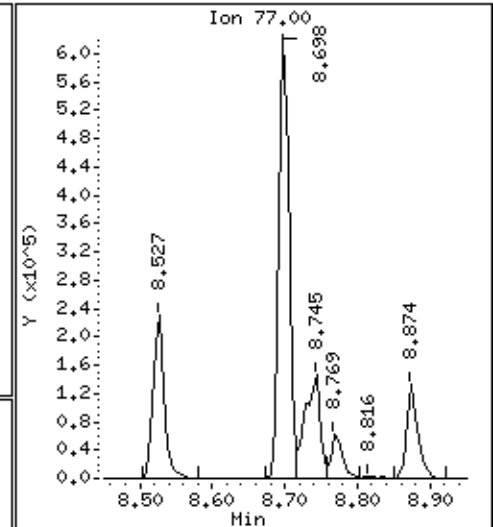
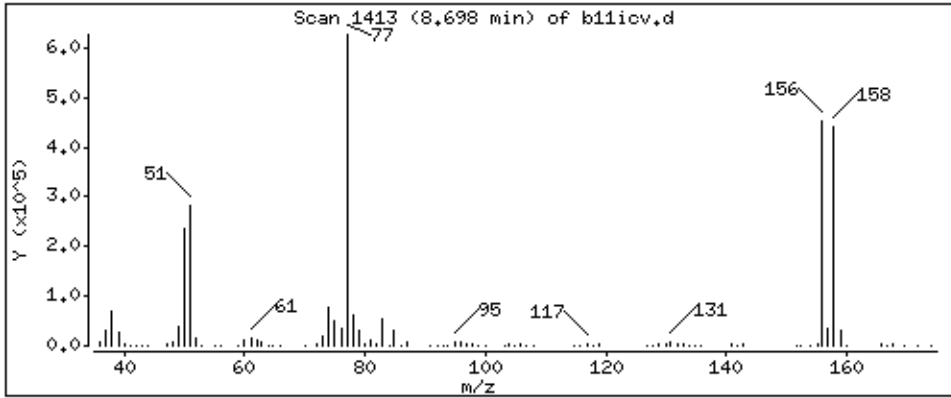
Operator: rsw

Column phase: DB-624

Column diameter: 0,18

75 Bromobenzene

Concentration: 53,6 ppb



Date : 25-JUN-2014 21:03

Client ID: 8260-ICV

Instrument: 50mv4b.i

Sample Info: 8260-ICV,71418:0

Purge Volume: 5.0

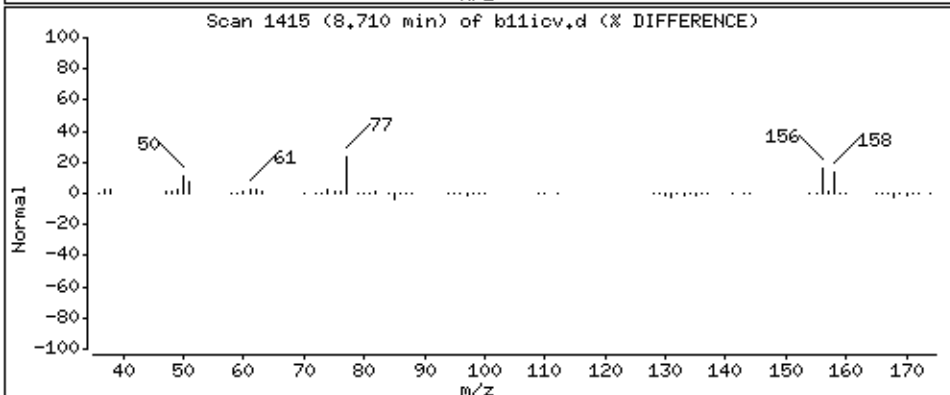
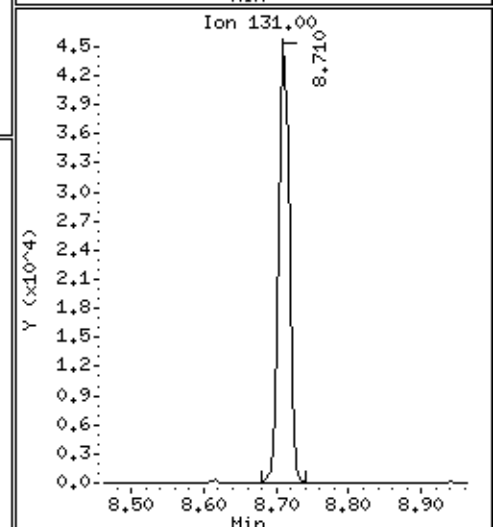
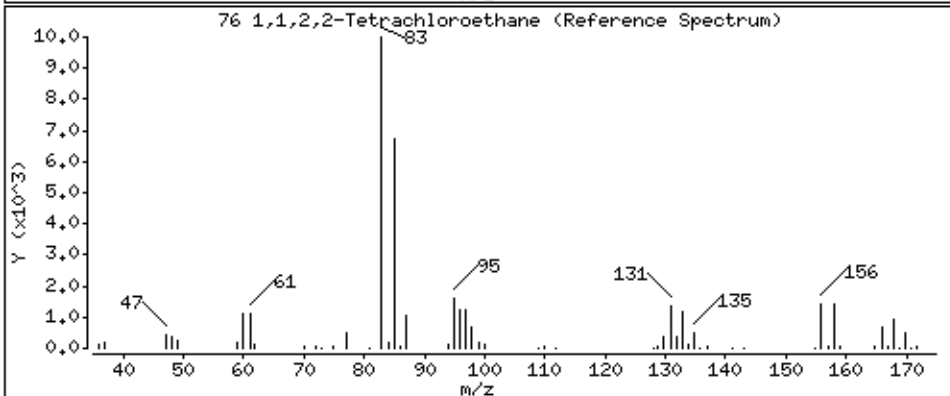
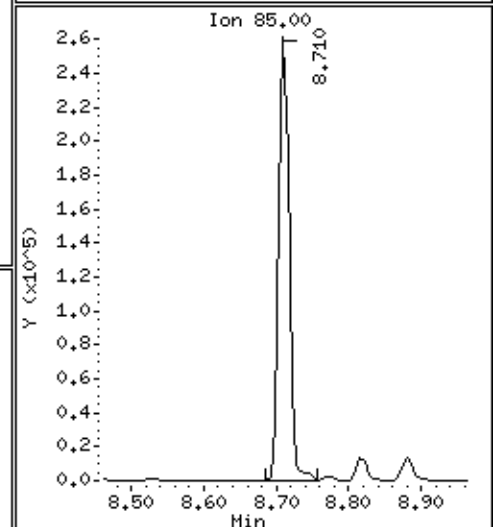
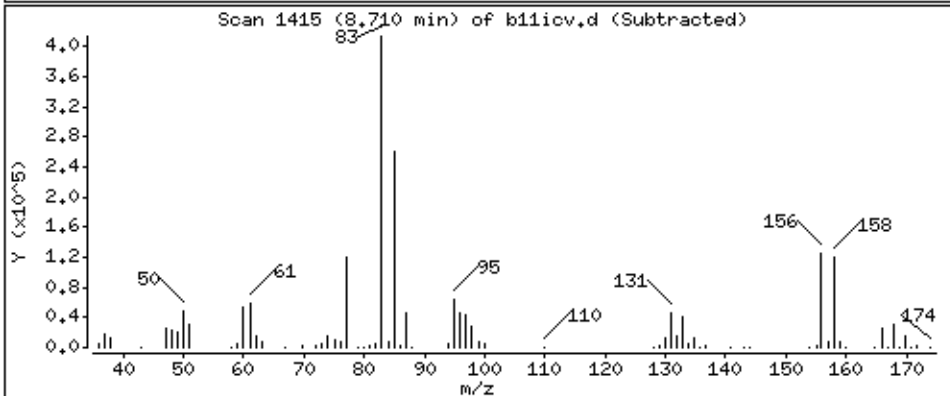
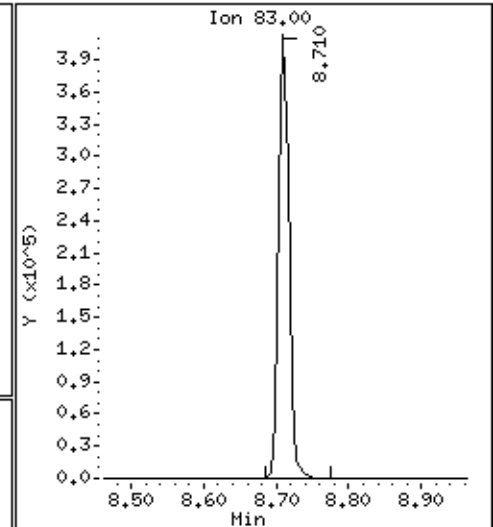
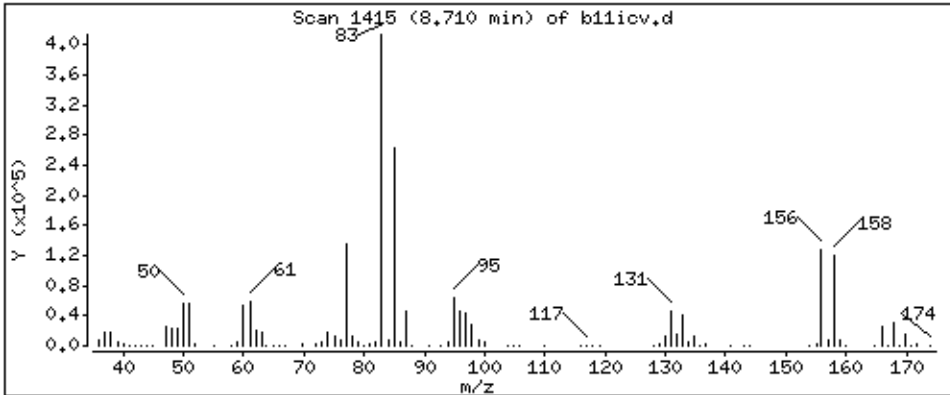
Operator: rsw

Column phase: DB-624

Column diameter: 0,18

76 1,1,2,2-Tetrachloroethane

Concentration: 42.1 ppb



Date : 25-JUN-2014 21:03

Client ID: 8260-ICV

Instrument: 50mv4b.i

Sample Info: 8260-ICV,71418:0

Purge Volume: 5.0

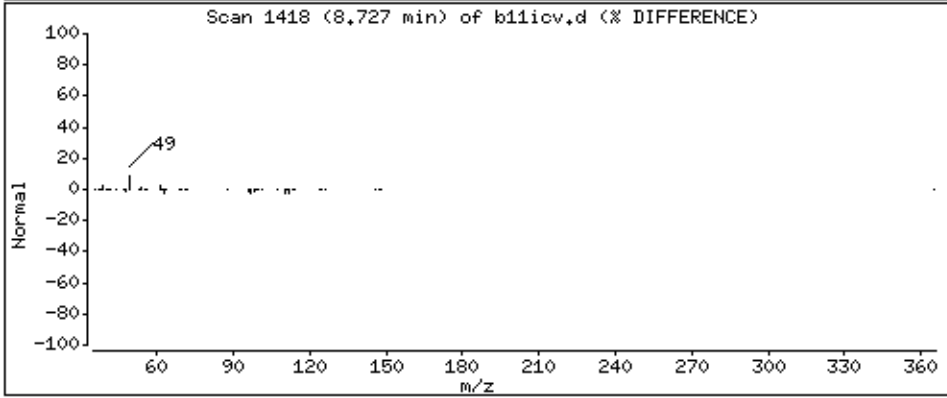
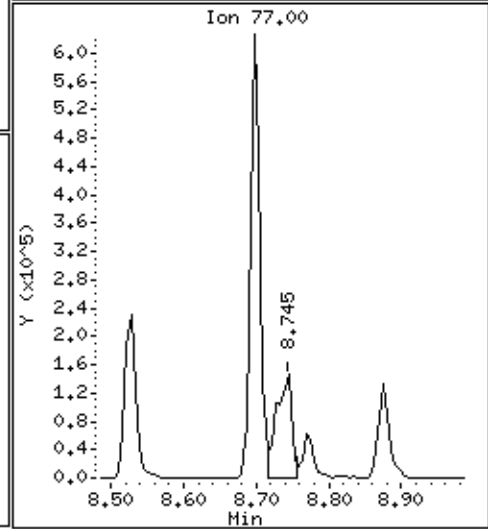
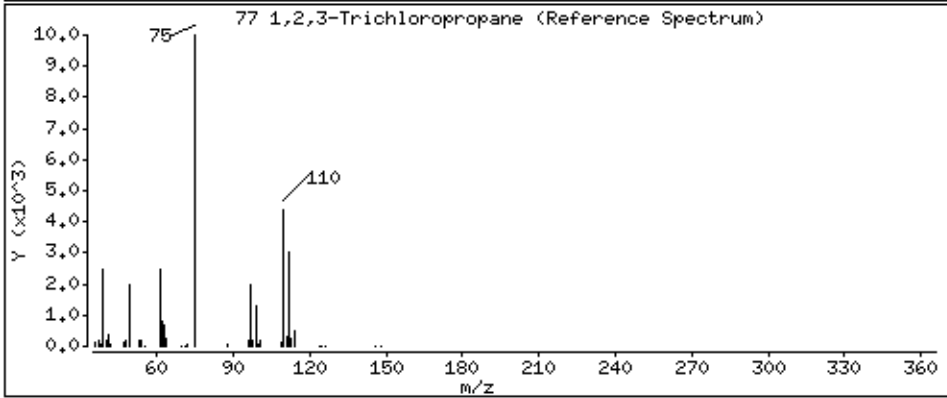
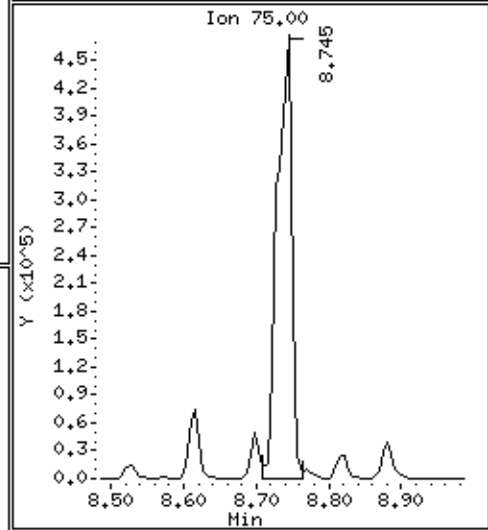
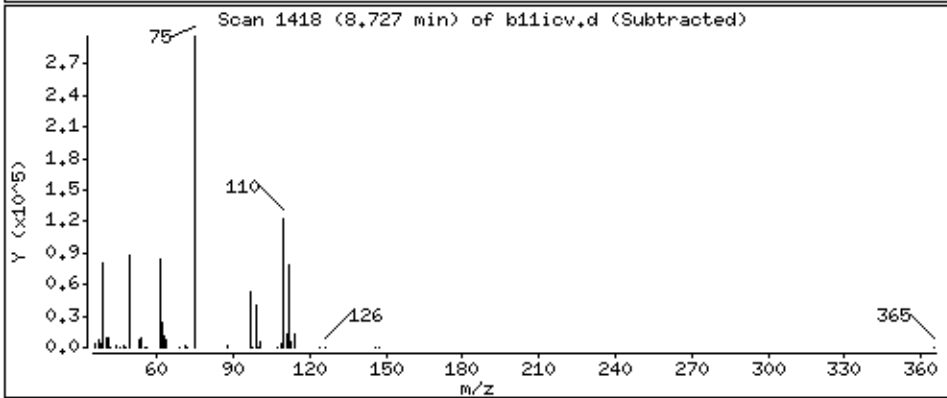
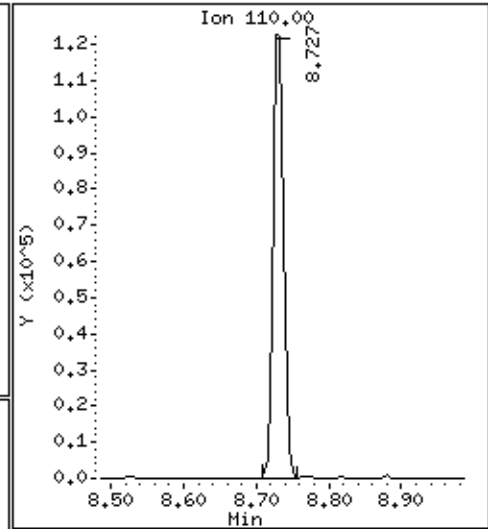
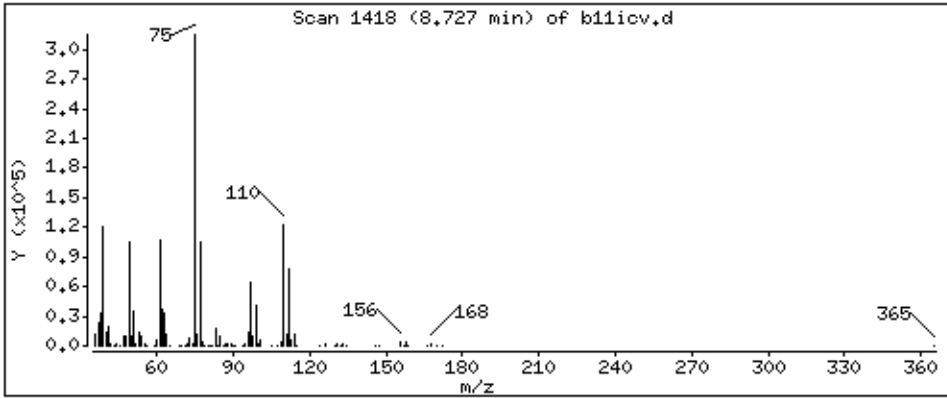
Operator: rsw

Column phase: DB-624

Column diameter: 0,18

77 1,2,3-Trichloropropane

Concentration: 41.6 ppb



Date : 25-JUN-2014 21:03

Client ID: 8260-ICV

Instrument: 50mv4b.i

Sample Info: 8260-ICV,71418:0

Purge Volume: 5.0

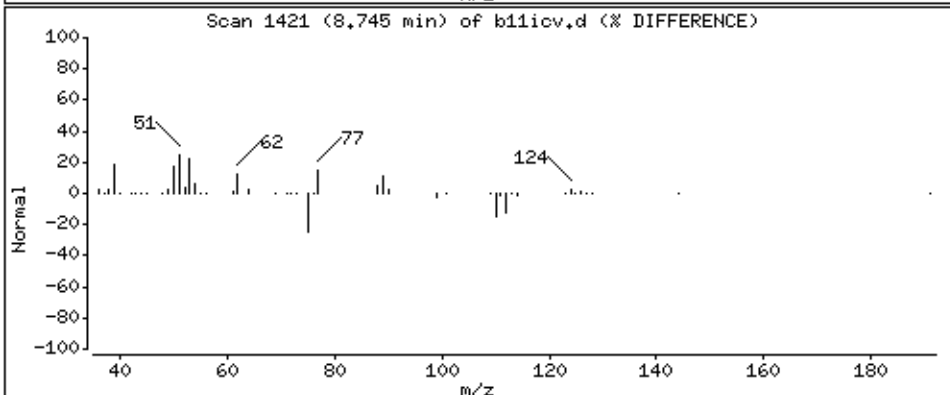
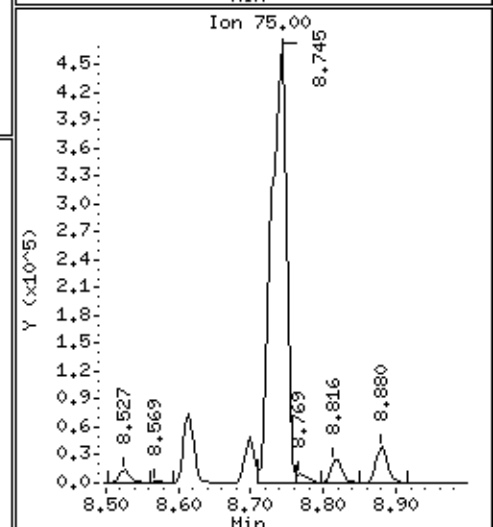
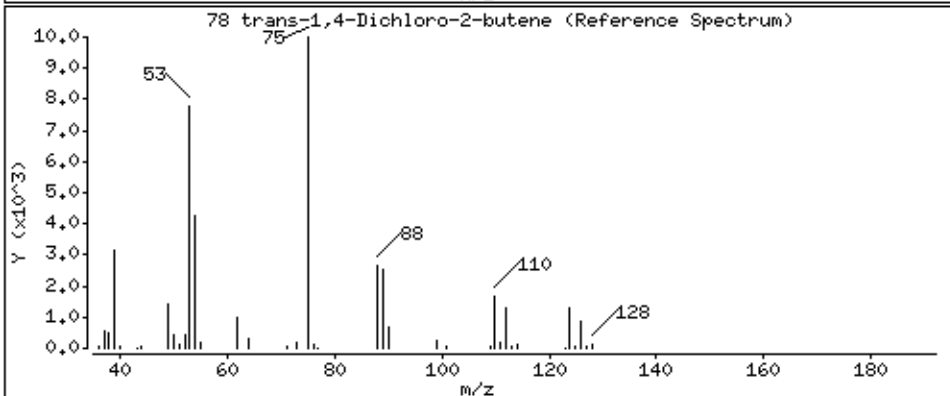
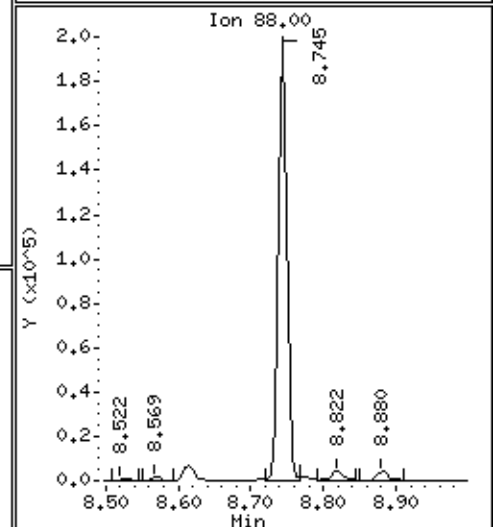
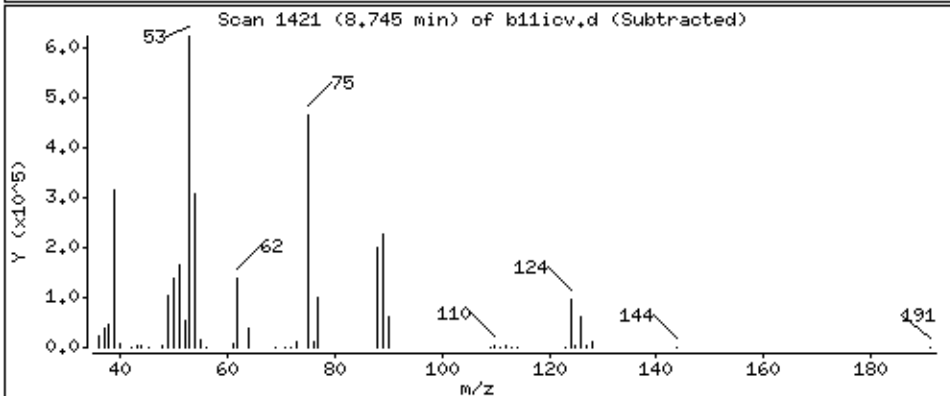
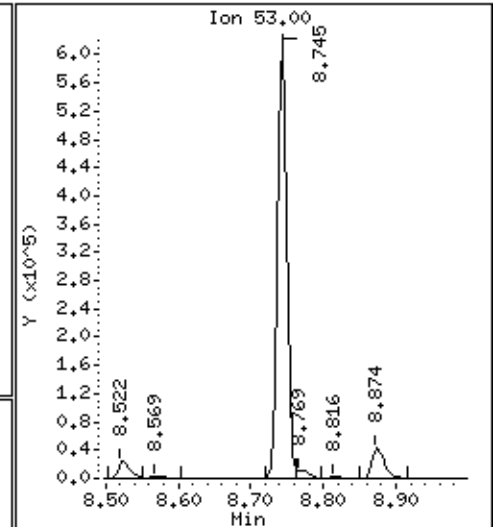
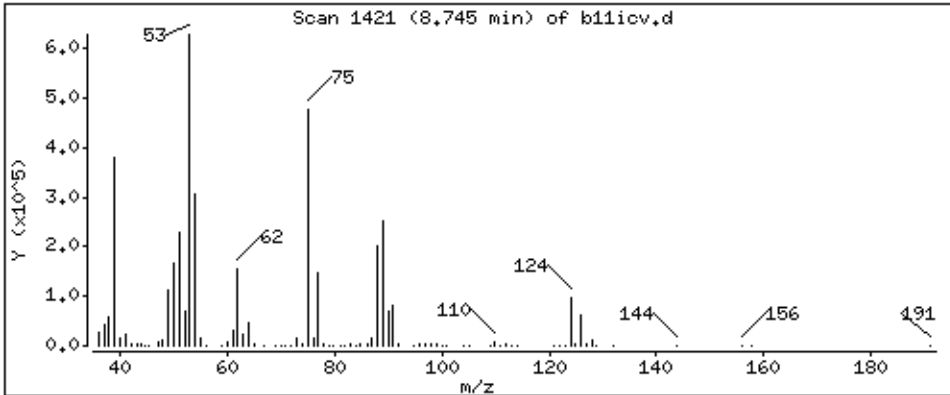
Operator: rsw

Column phase: DB-624

Column diameter: 0,18

78 trans-1,4-Dichloro-2-butene

Concentration: 196 ppb



Date : 25-JUN-2014 21:03

Client ID: 8260-ICV

Instrument: 50mv4b.i

Sample Info: 8260-ICV,71418:0

Purge Volume: 5.0

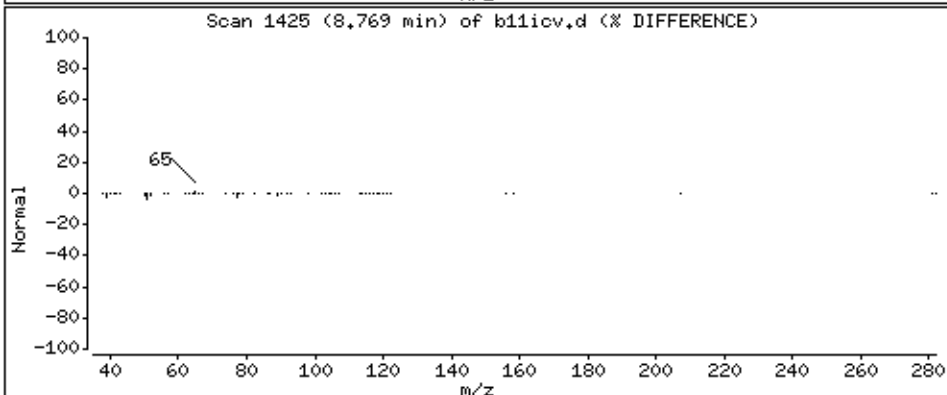
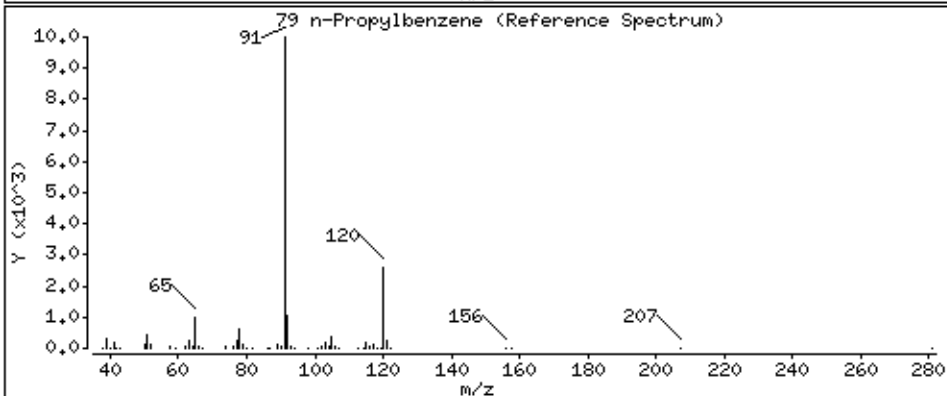
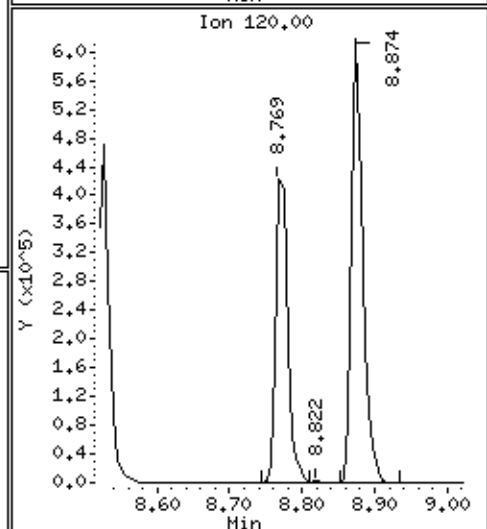
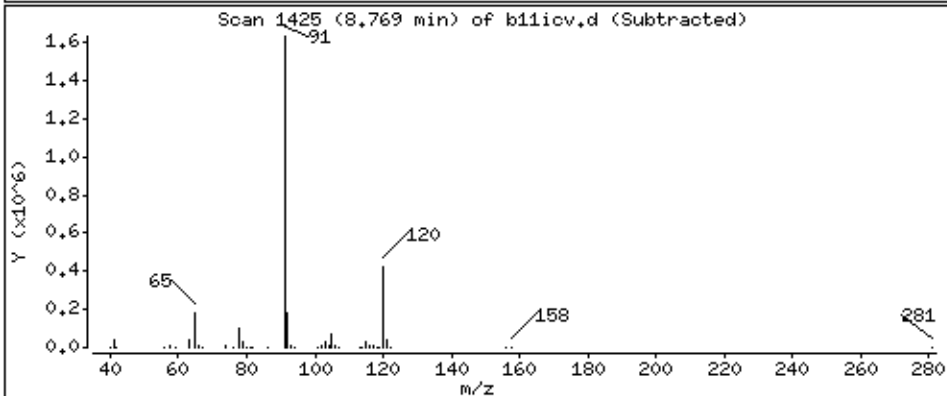
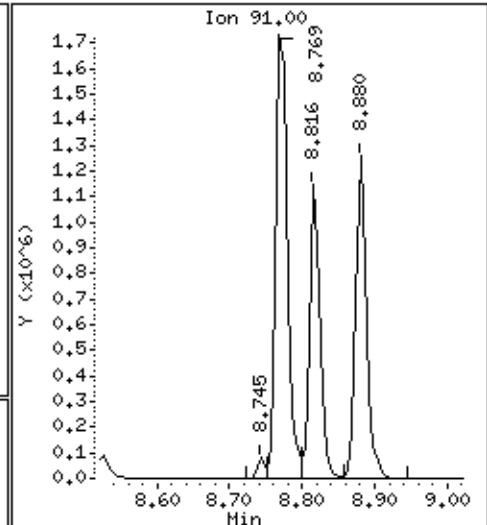
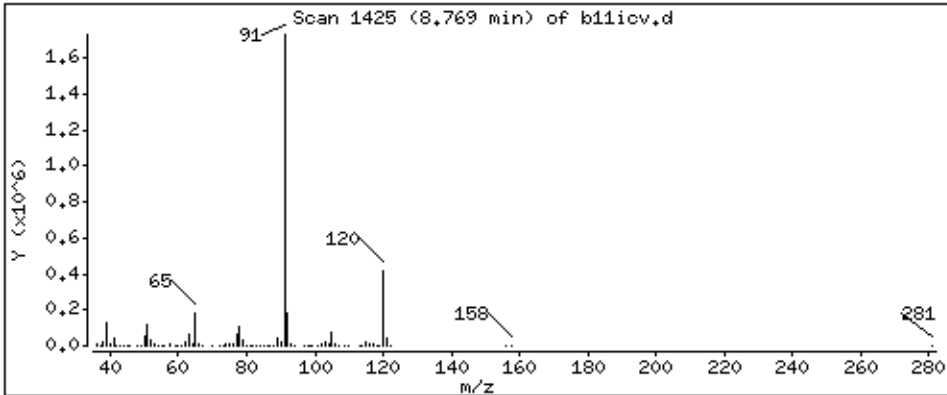
Operator: rsw

Column phase: DB-624

Column diameter: 0,18

79 n-Propylbenzene

Concentration: 59,8 ppb



Date : 25-JUN-2014 21:03

Client ID: 8260-ICV

Instrument: 50mv4b.i

Sample Info: 8260-ICV,71418:0

Purge Volume: 5.0

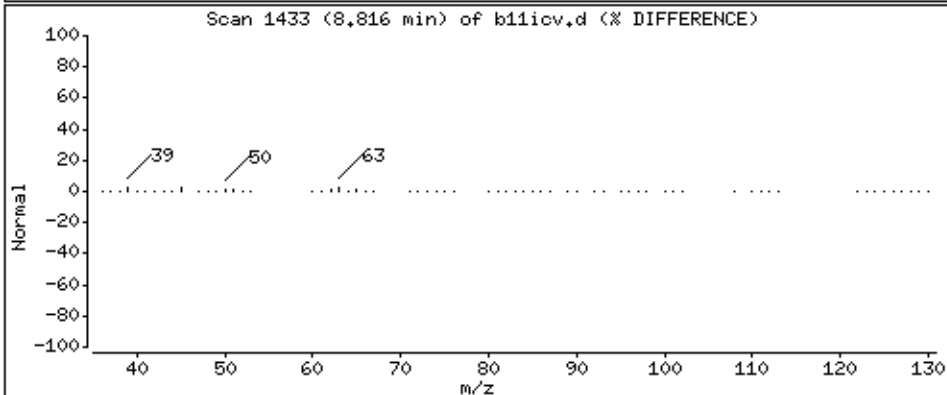
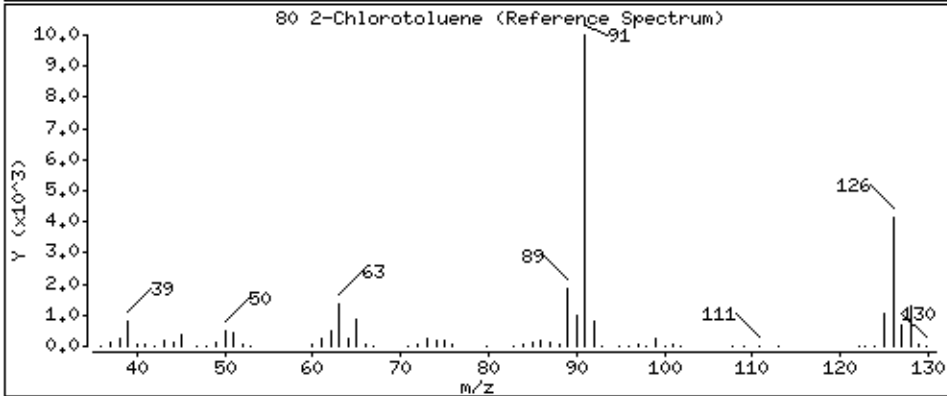
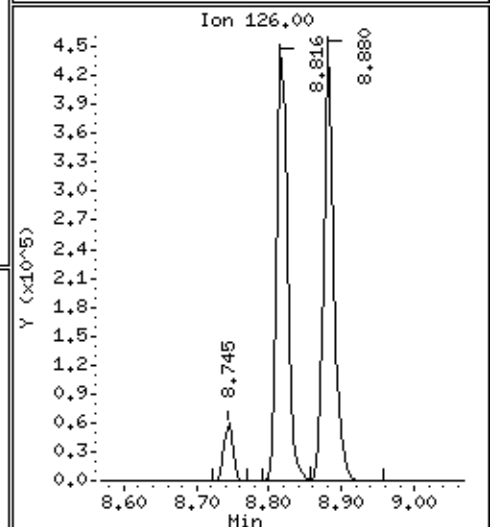
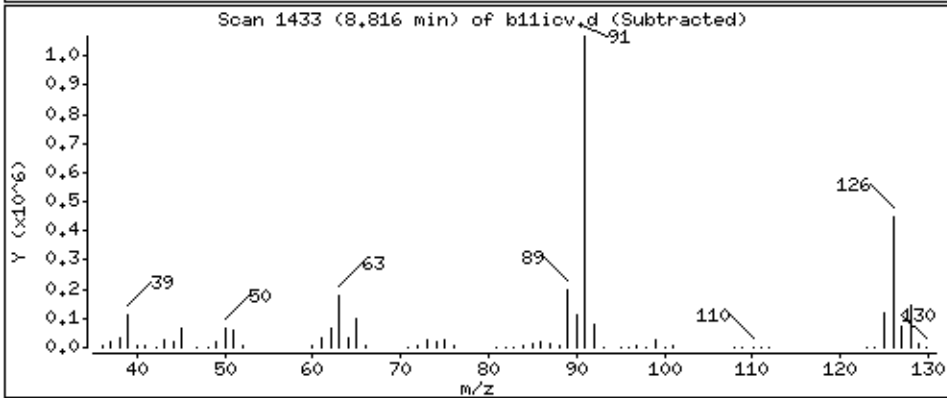
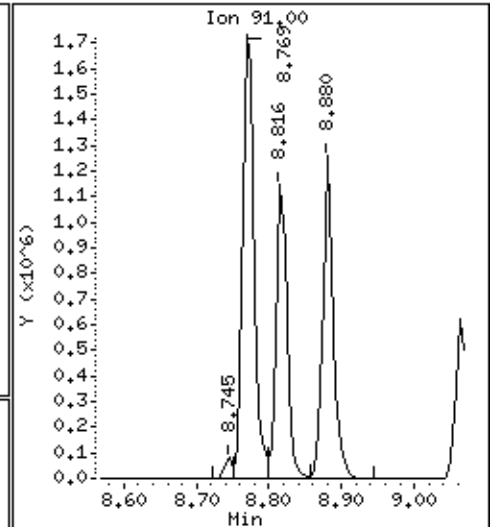
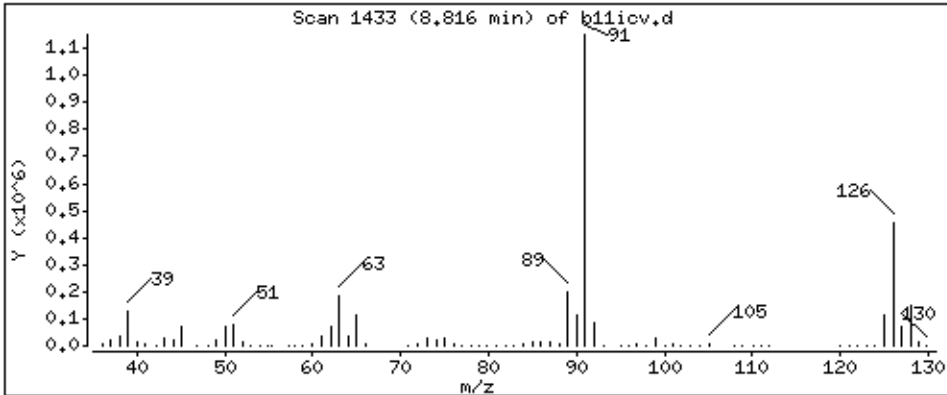
Operator: rsw

Column phase: DB-624

Column diameter: 0,18

80 2-Chlorotoluene

Concentration: 49,6 ppb



Date : 25-JUN-2014 21:03

Client ID: 8260-ICV

Instrument: 50mv4b.i

Sample Info: 8260-ICV,71418:0

Purge Volume: 5.0

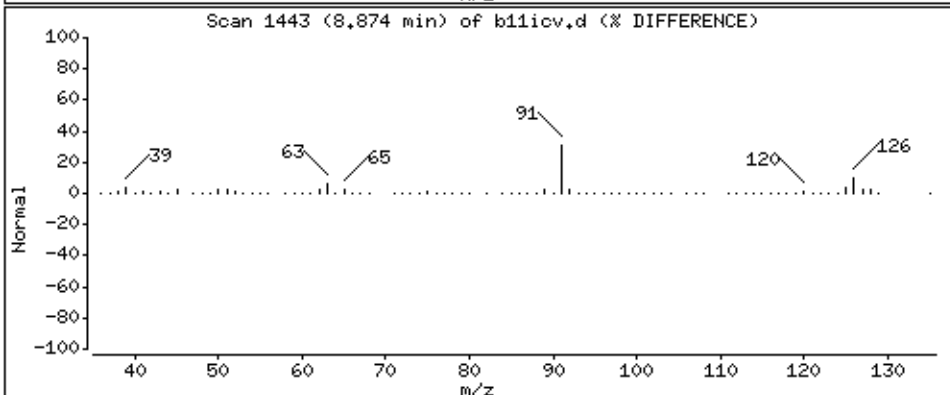
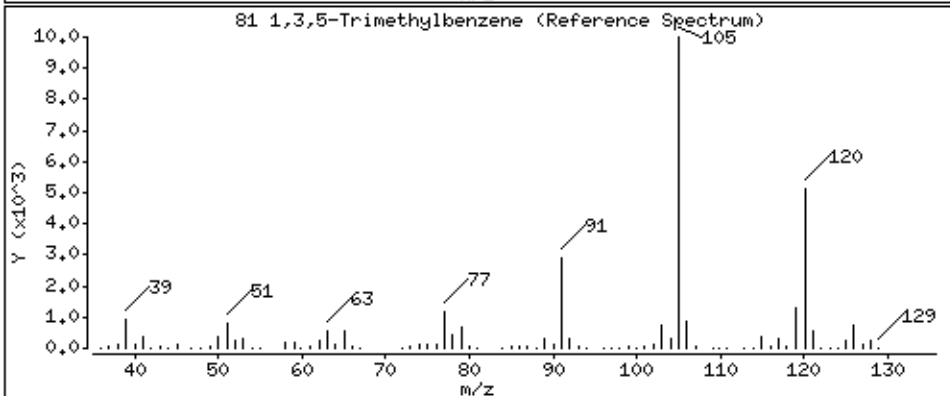
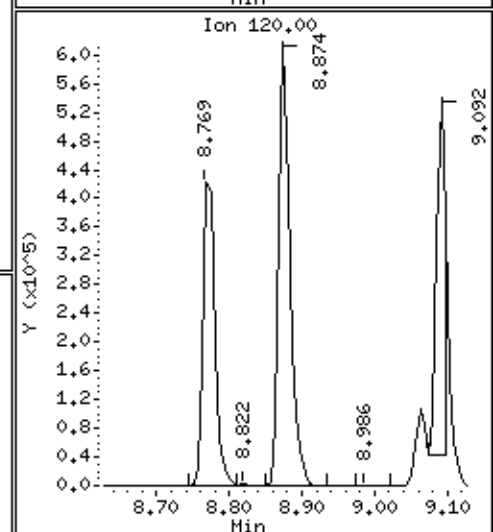
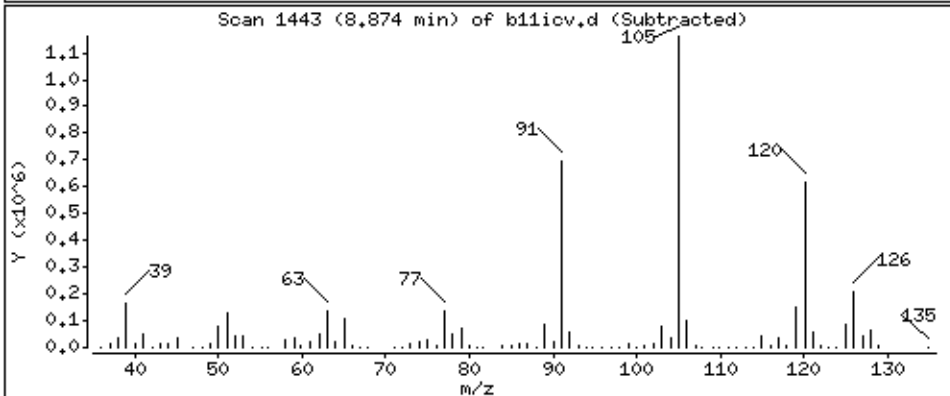
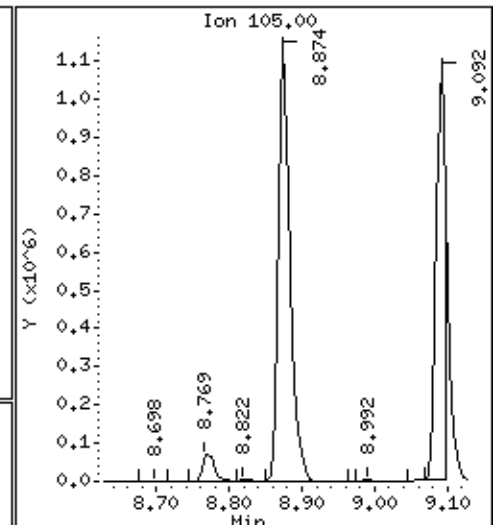
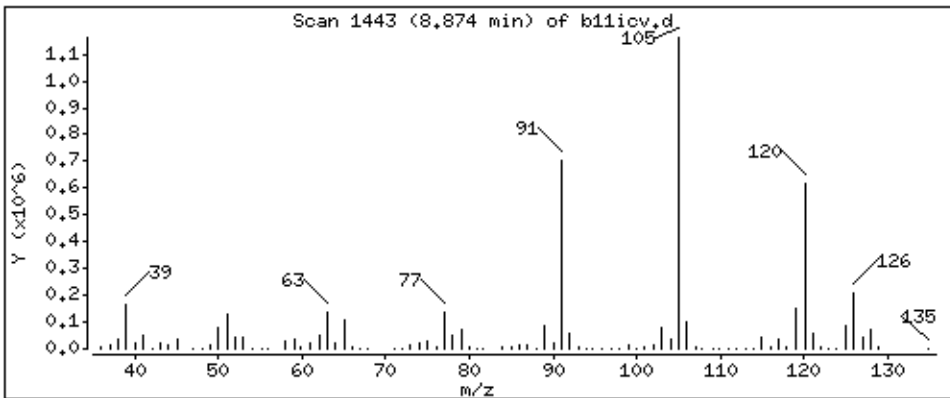
Operator: rsw

Column phase: DB-624

Column diameter: 0,18

81 1,3,5-Trimethylbenzene

Concentration: 59,5 ppb



Date : 25-JUN-2014 21:03

Client ID: 8260-ICV

Instrument: 50mv4b.i

Sample Info: 8260-ICV,71418:0

Purge Volume: 5.0

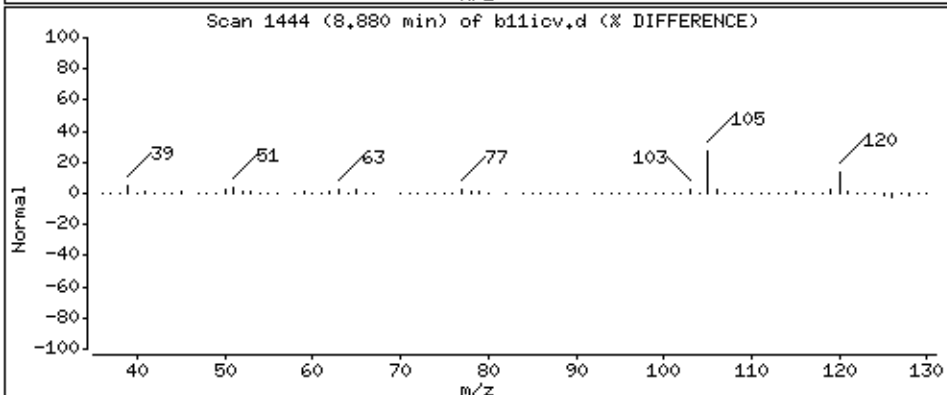
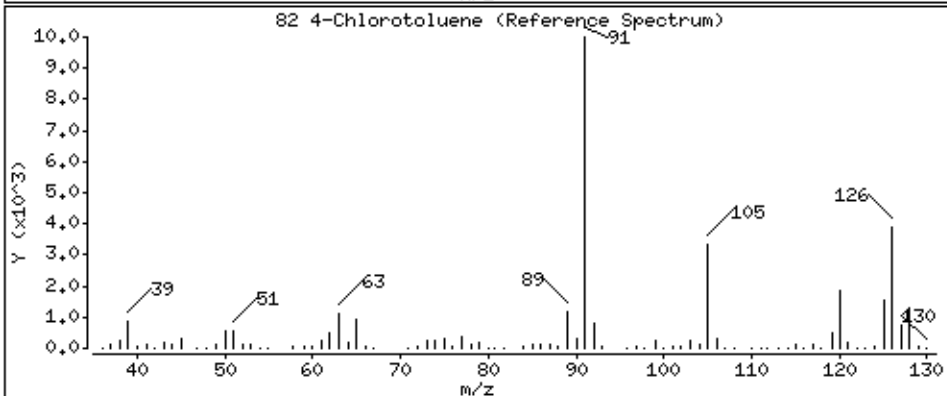
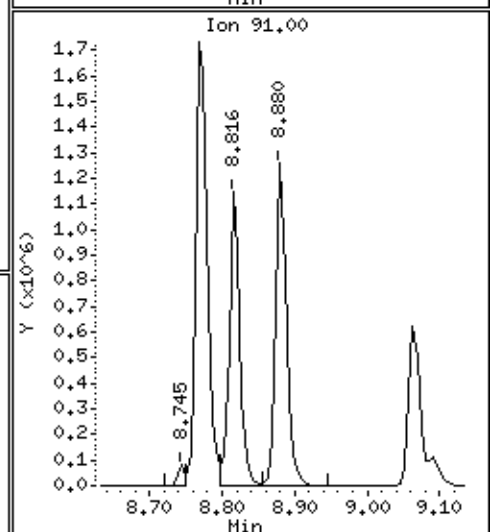
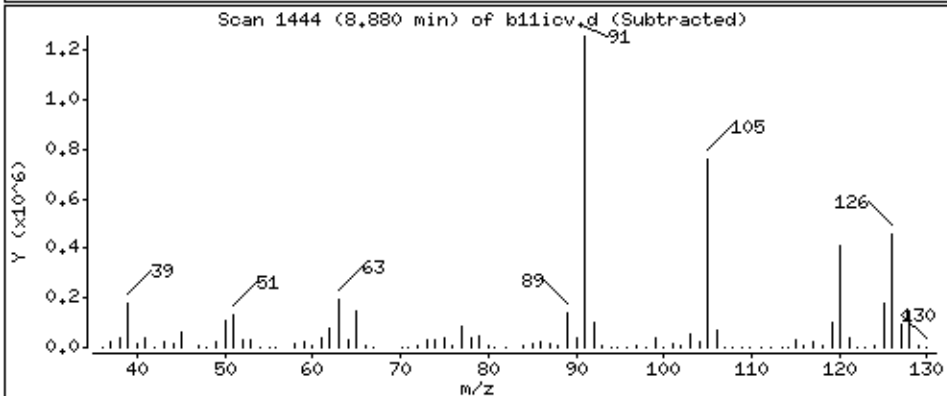
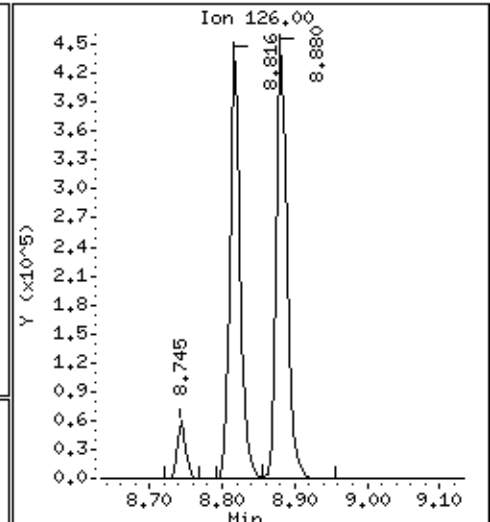
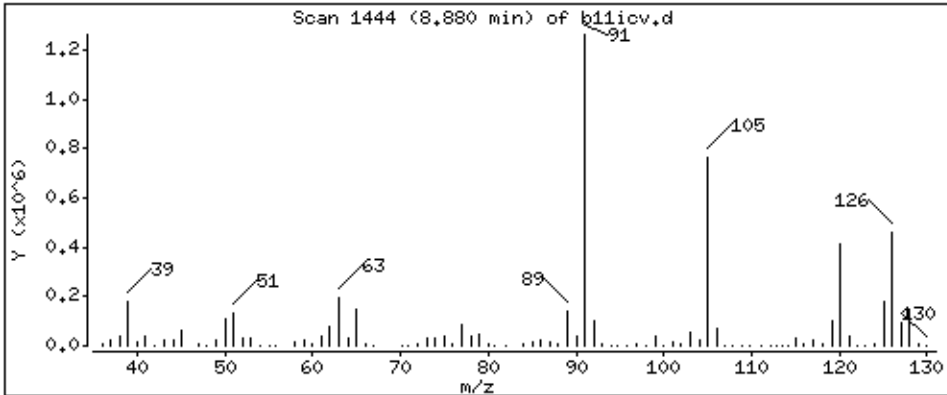
Operator: rsw

Column phase: DB-624

Column diameter: 0,18

82 4-Chlorotoluene

Concentration: 55,7 ppb



Date : 25-JUN-2014 21:03

Client ID: 8260-ICV

Instrument: 50mv4b.i

Sample Info: 8260-ICV,71418:0

Purge Volume: 5.0

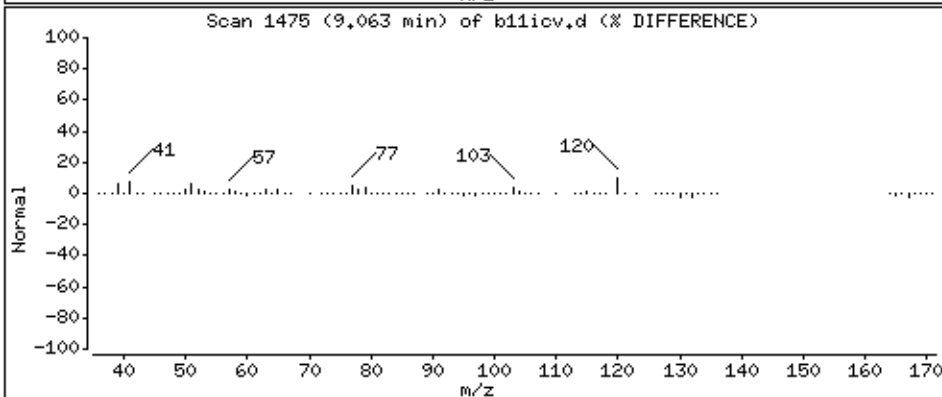
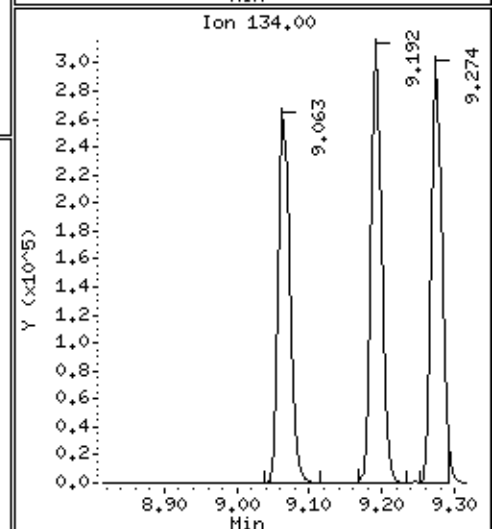
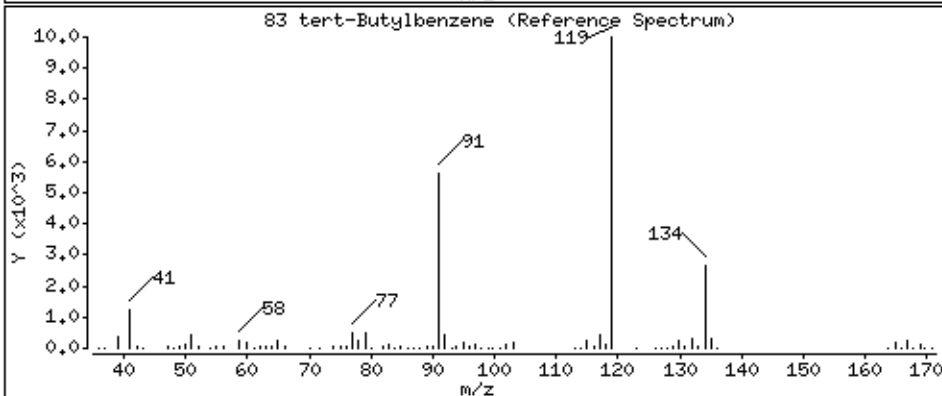
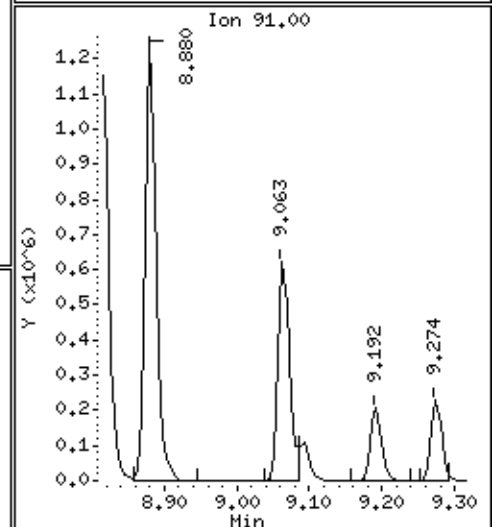
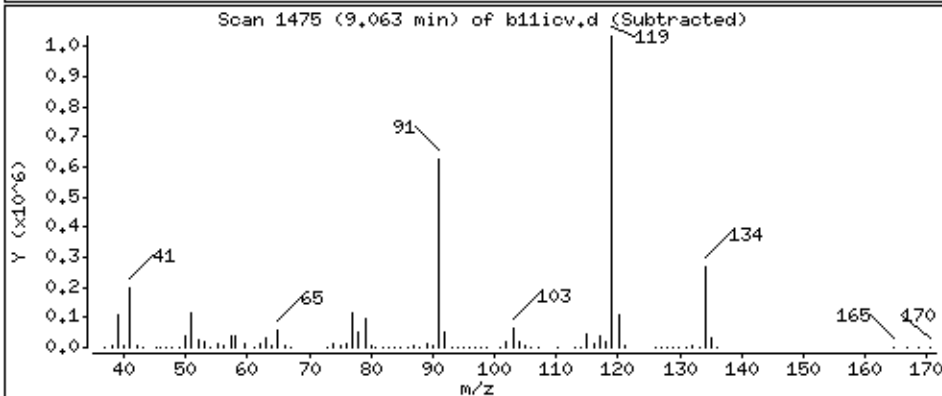
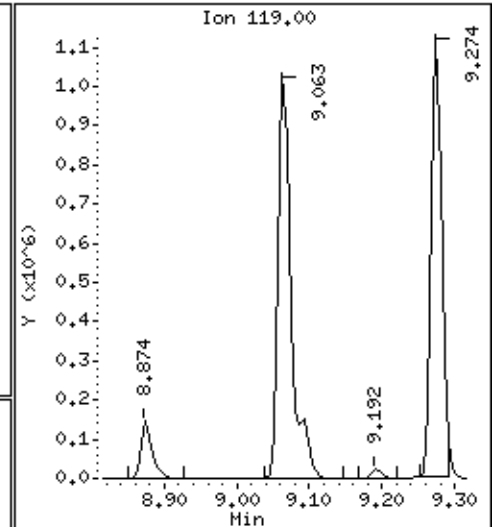
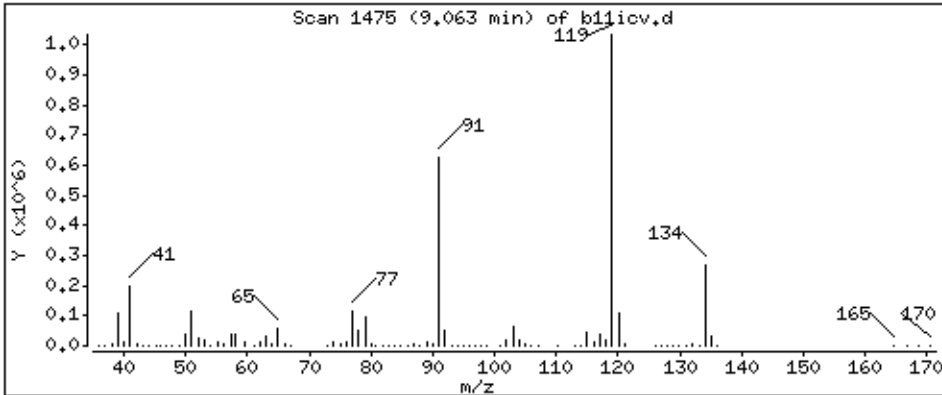
Operator: rsw

Column phase: DB-624

Column diameter: 0,18

83 tert-Butylbenzene

Concentration: 53,7 ppb



Date : 25-JUN-2014 21:03

Client ID: 8260-ICV

Instrument: 50mv4b.i

Sample Info: 8260-ICV,71418:0

Purge Volume: 5.0

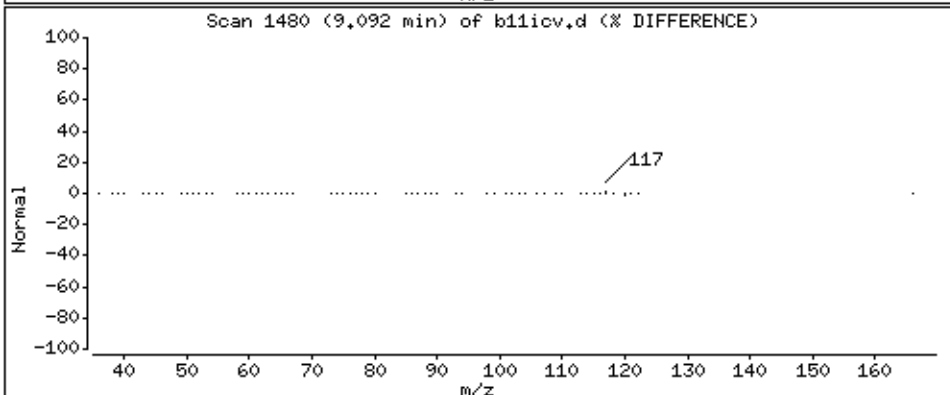
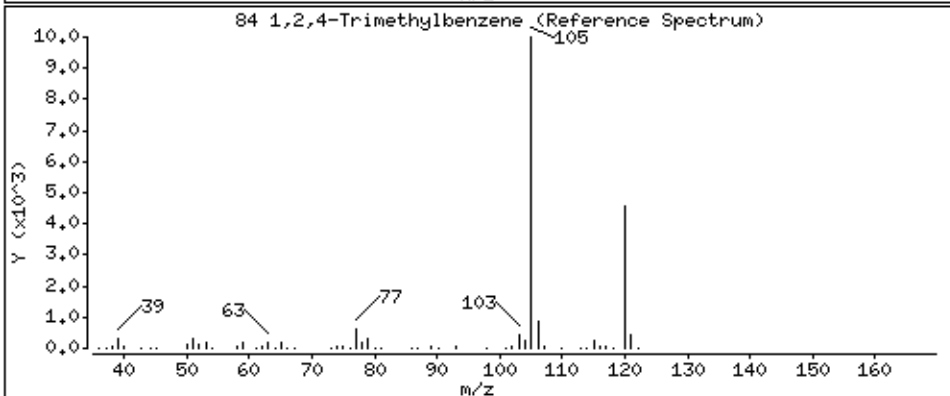
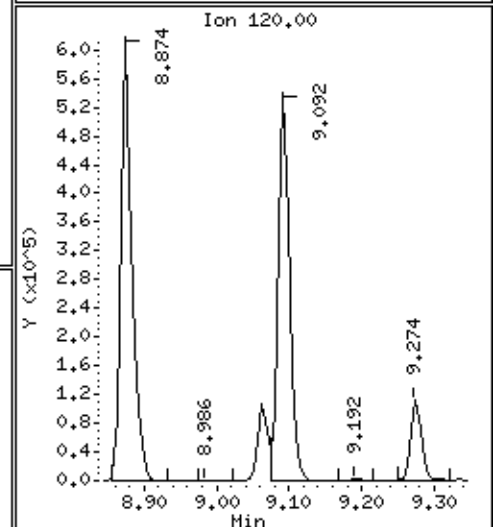
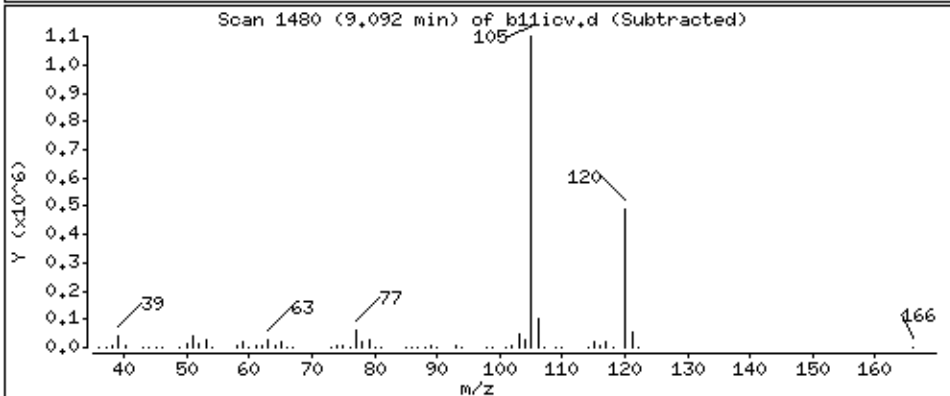
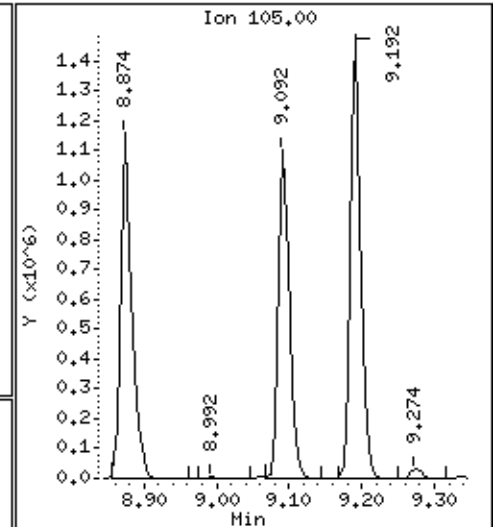
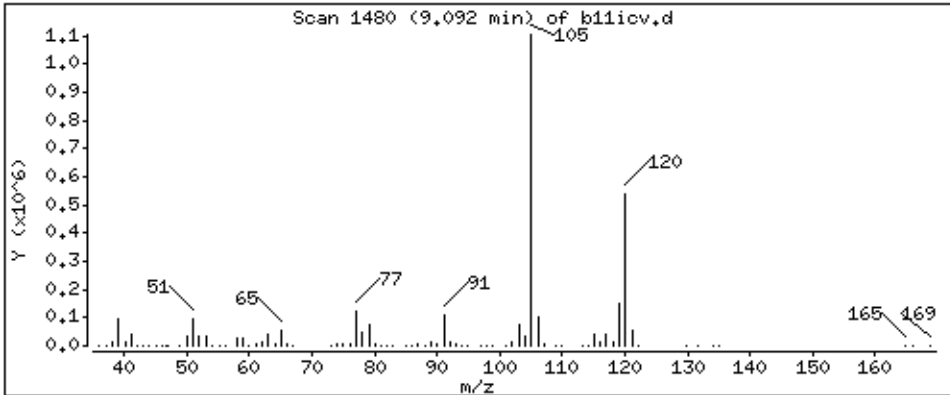
Operator: rsw

Column phase: DB-624

Column diameter: 0,18

84 1,2,4-Trimethylbenzene

Concentration: 52.4 ppb



Date : 25-JUN-2014 21:03

Client ID: 8260-ICV

Instrument: 50mv4b.i

Sample Info: 8260-ICV,71418:0

Purge Volume: 5.0

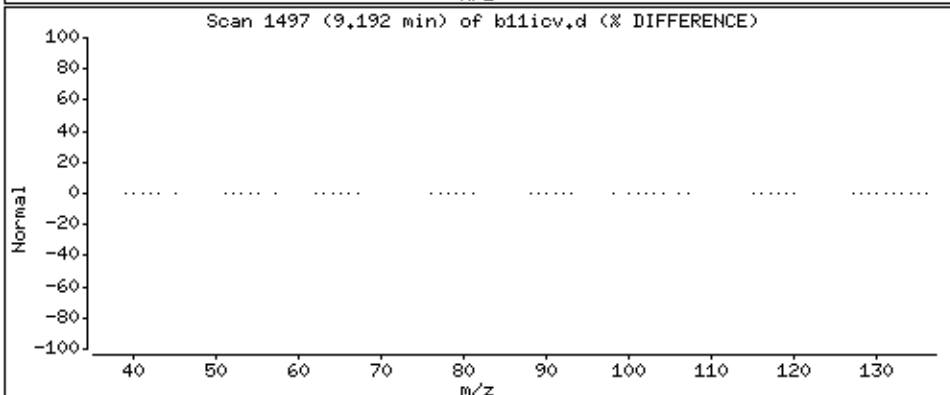
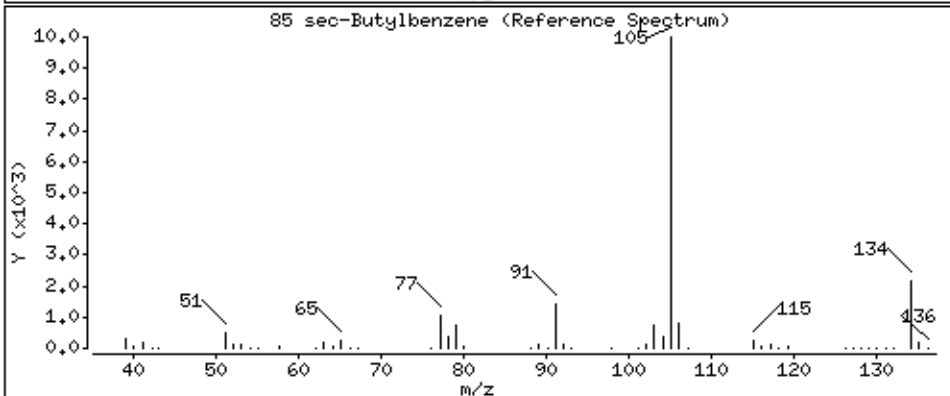
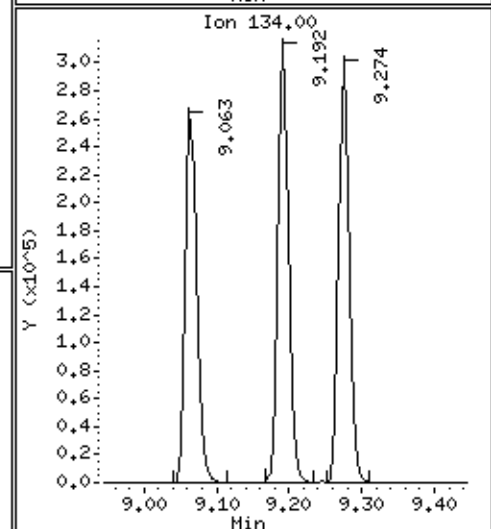
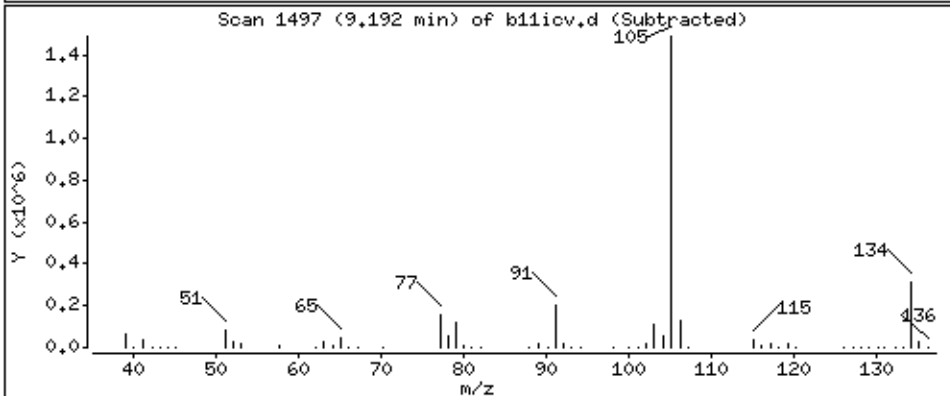
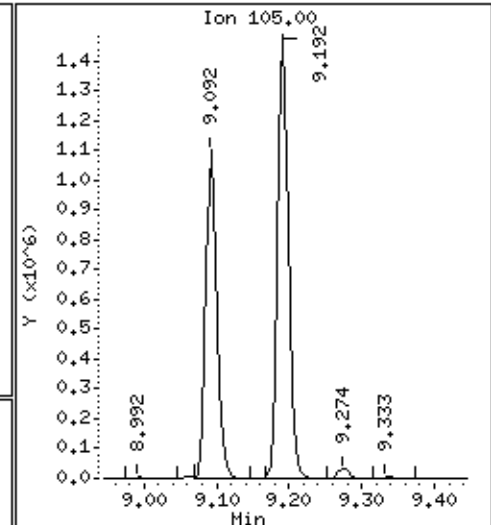
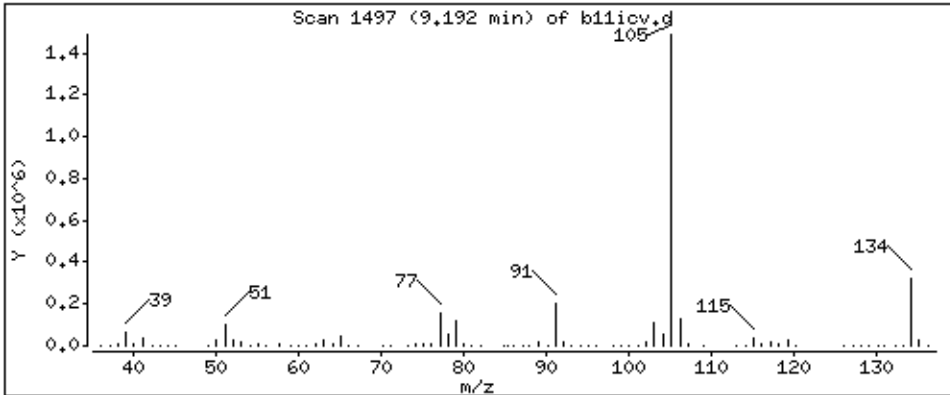
Operator: rsw

Column phase: DB-624

Column diameter: 0,18

85 sec-Butylbenzene

Concentration: 60,8 ppb



Date : 25-JUN-2014 21:03

Client ID: 8260-ICV

Instrument: 50mv4b.i

Sample Info: 8260-ICV,71418:0

Purge Volume: 5.0

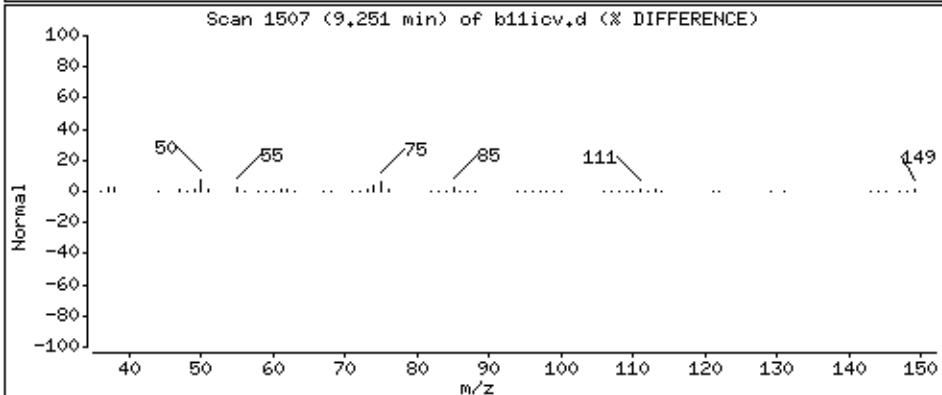
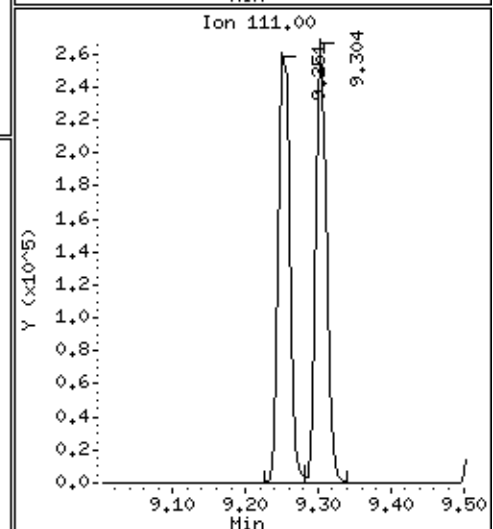
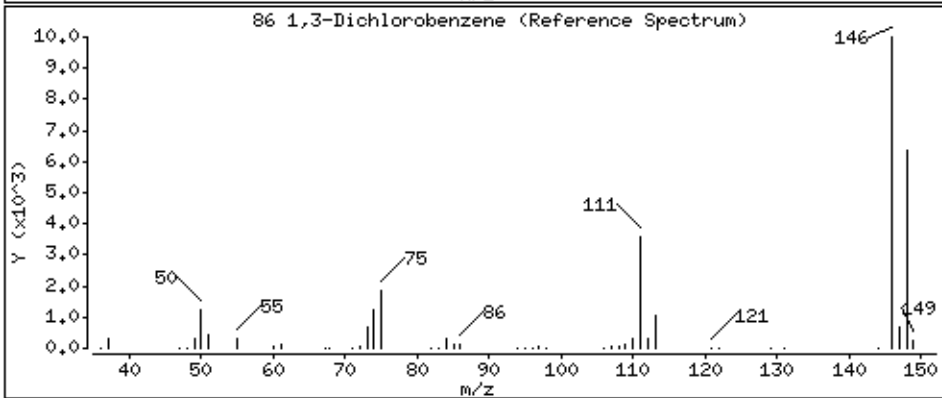
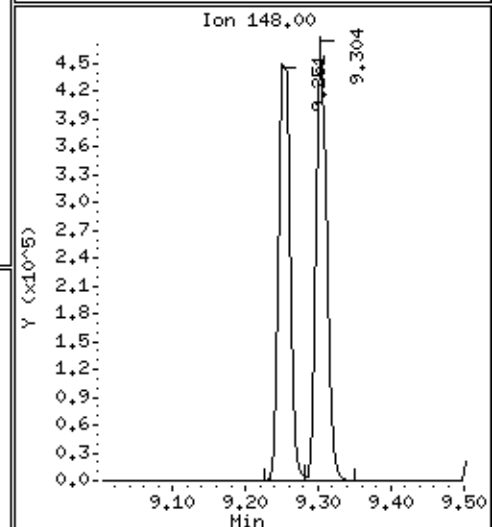
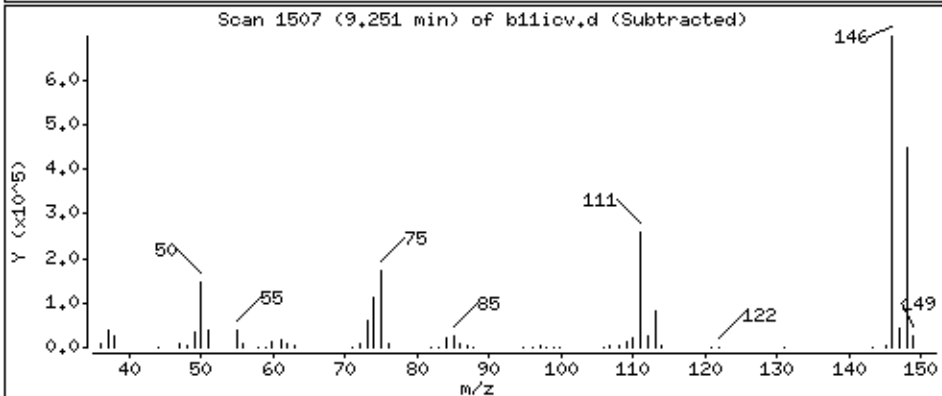
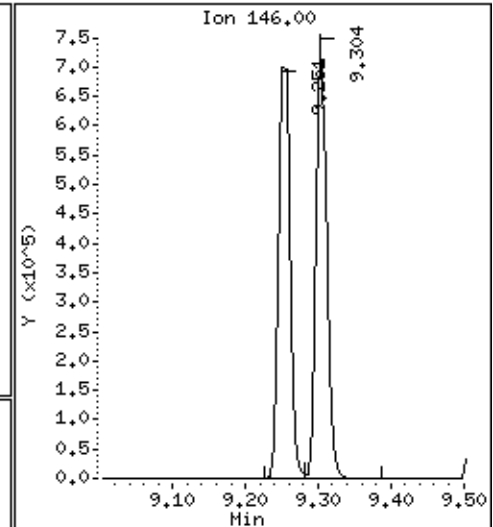
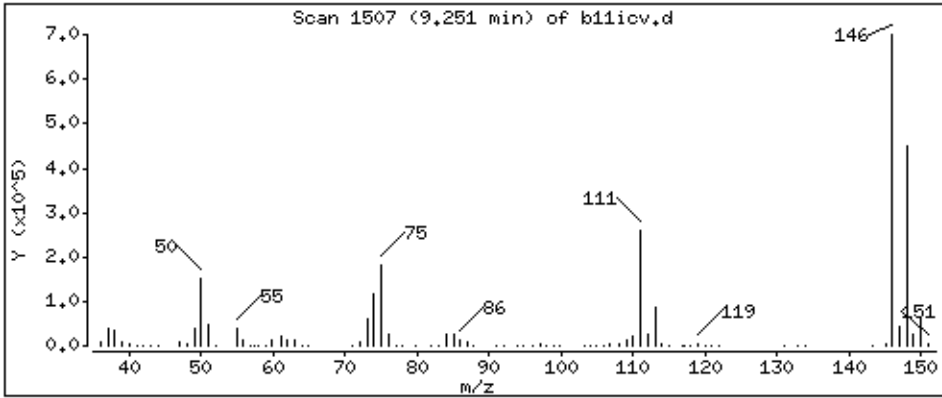
Operator: rsw

Column phase: DB-624

Column diameter: 0,18

86 1,3-Dichlorobenzene

Concentration: 53,3 ppb



Date : 25-JUN-2014 21:03

Client ID: 8260-ICV

Instrument: 50mv4b.i

Sample Info: 8260-ICV,71418:0

Purge Volume: 5.0

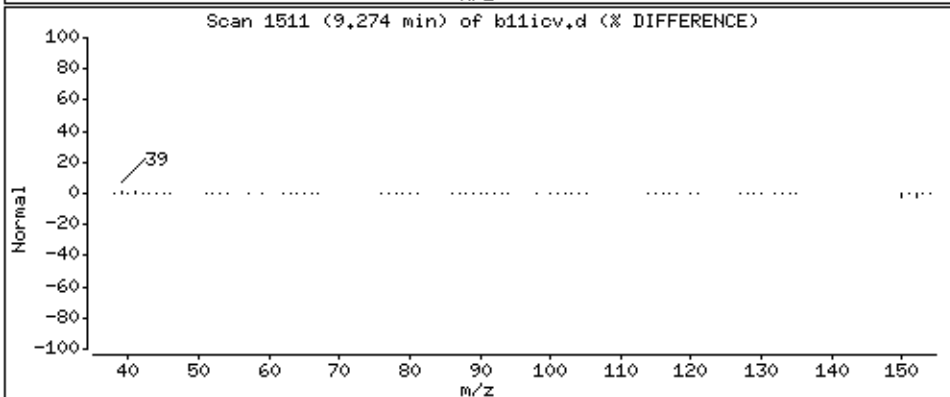
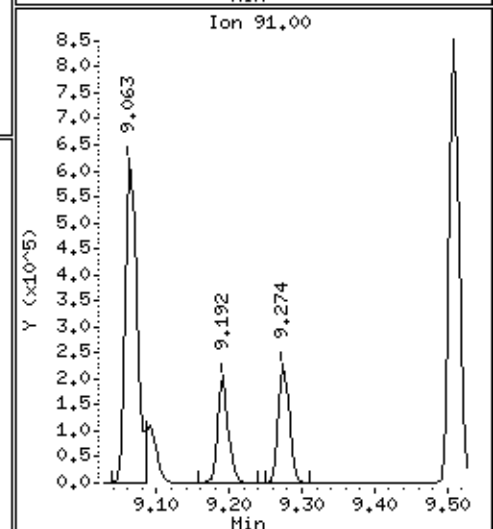
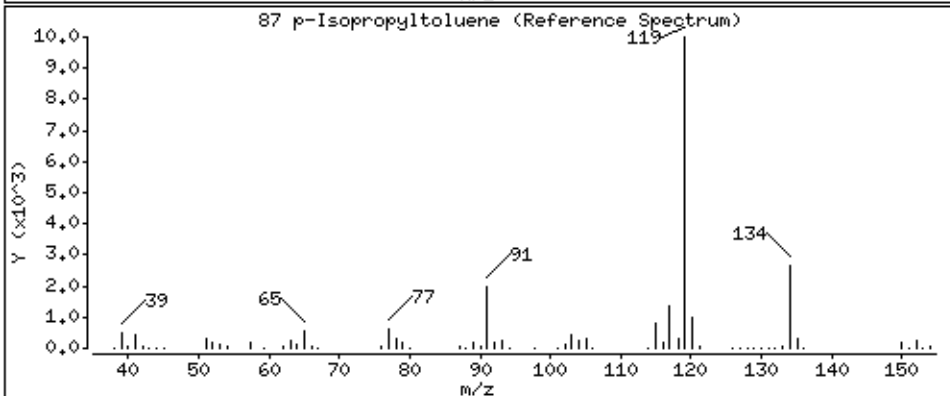
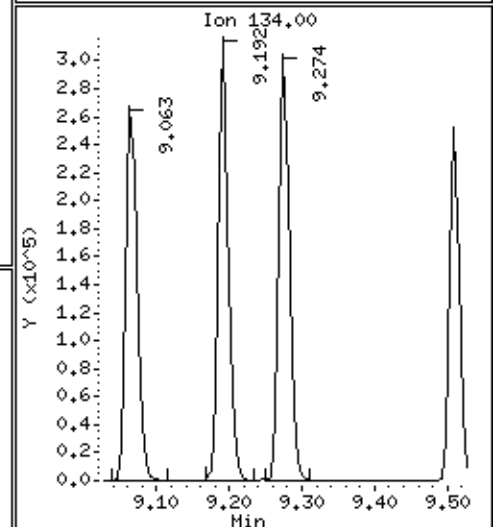
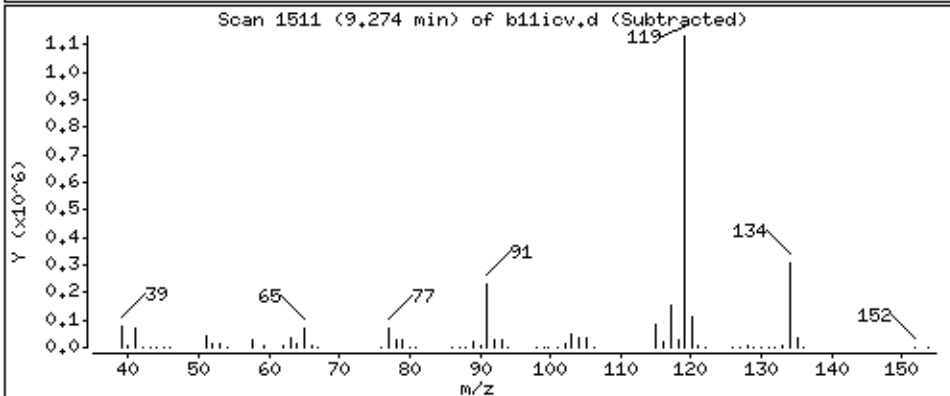
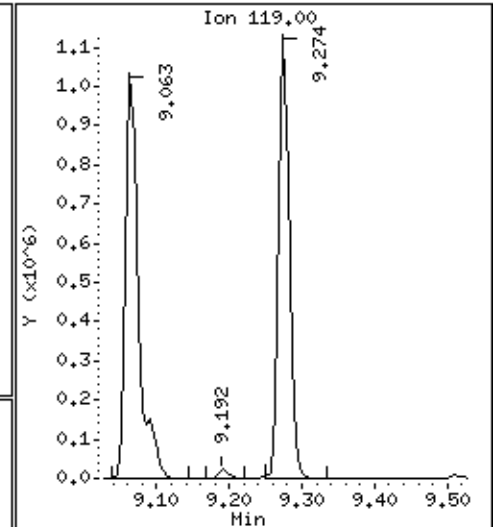
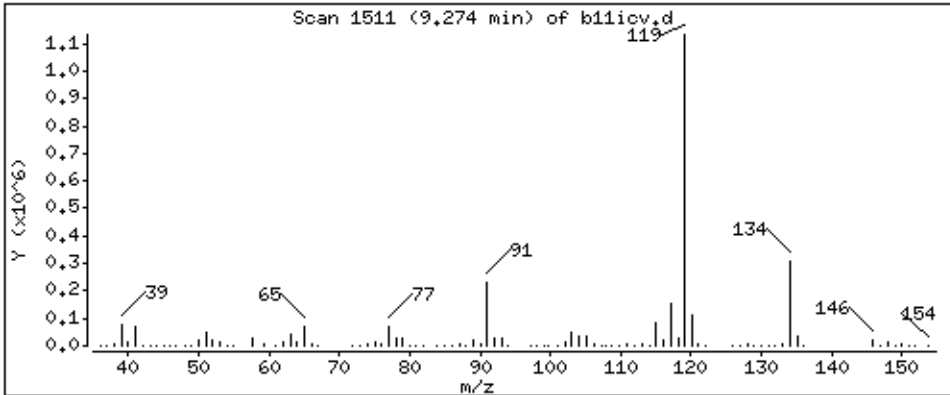
Operator: rsw

Column phase: DB-624

Column diameter: 0,18

87 p-Isopropyltoluene

Concentration: 47.4 ppb



Date : 25-JUN-2014 21:03

Client ID: 8260-ICV

Instrument: 50mv4b.i

Sample Info: 8260-ICV,71418:0

Purge Volume: 5.0

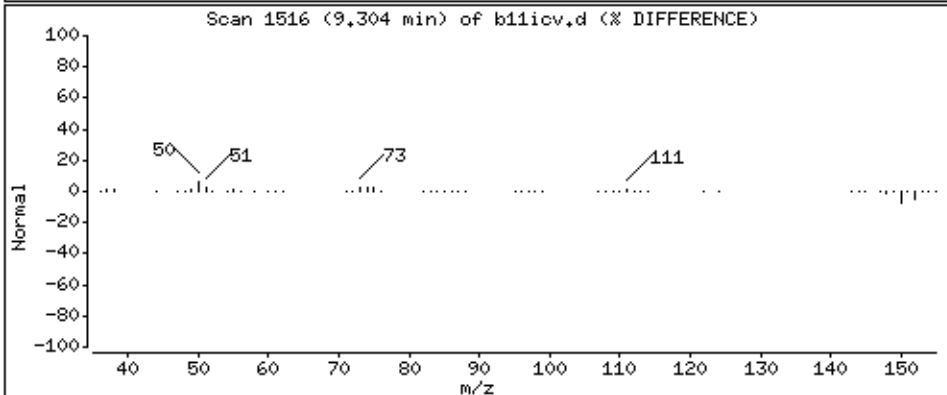
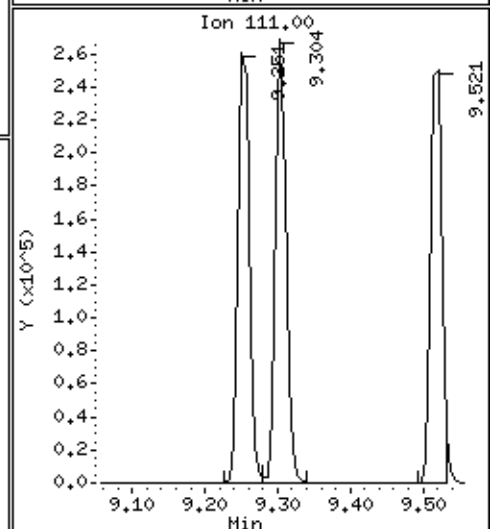
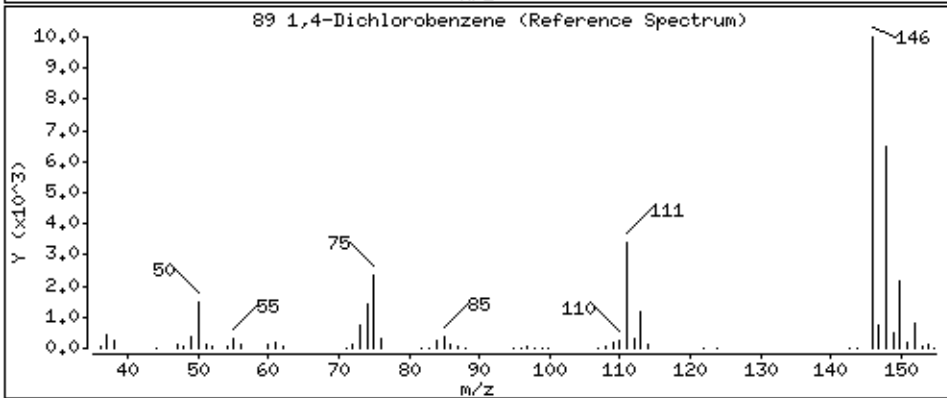
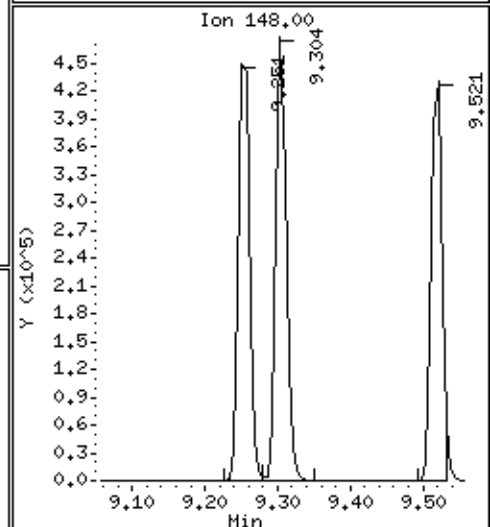
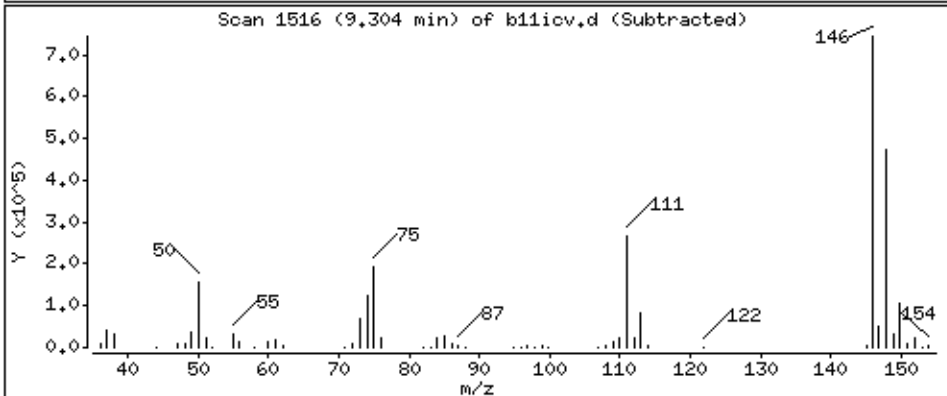
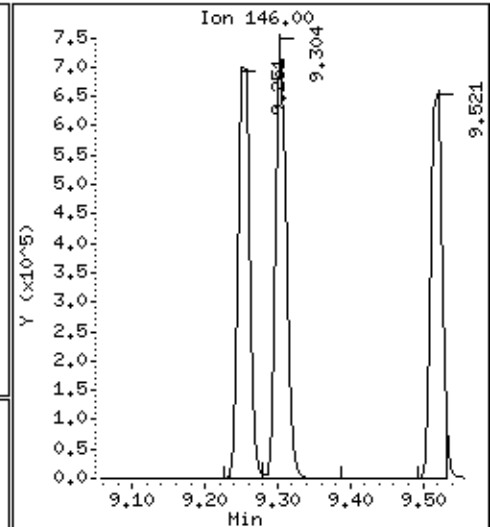
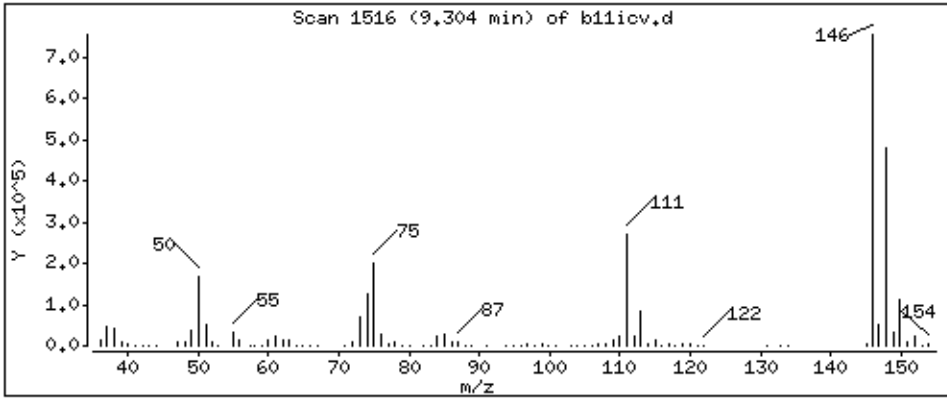
Operator: rsw

Column phase: DB-624

Column diameter: 0,18

89 1,4-Dichlorobenzene

Concentration: 51.1 ppb



Date : 25-JUN-2014 21:03

Client ID: 8260-ICV

Instrument: 50mv4b.i

Sample Info: 8260-ICV,71418:0

Purge Volume: 5.0

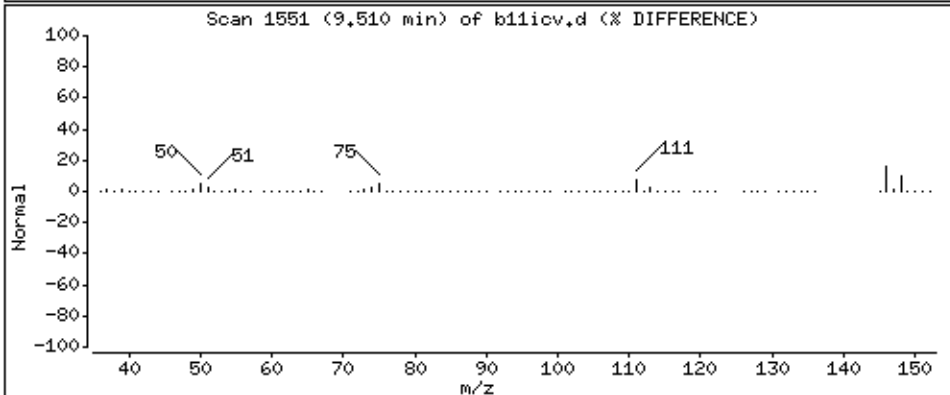
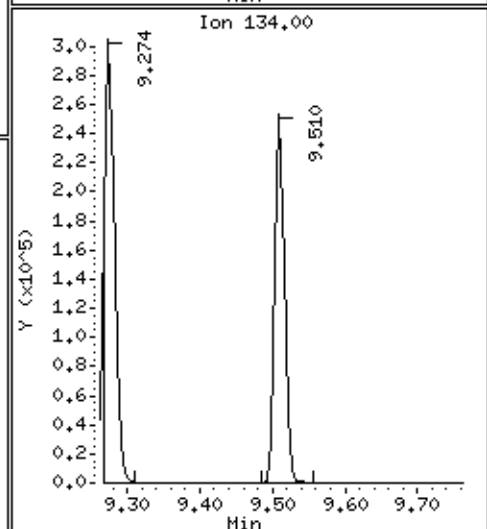
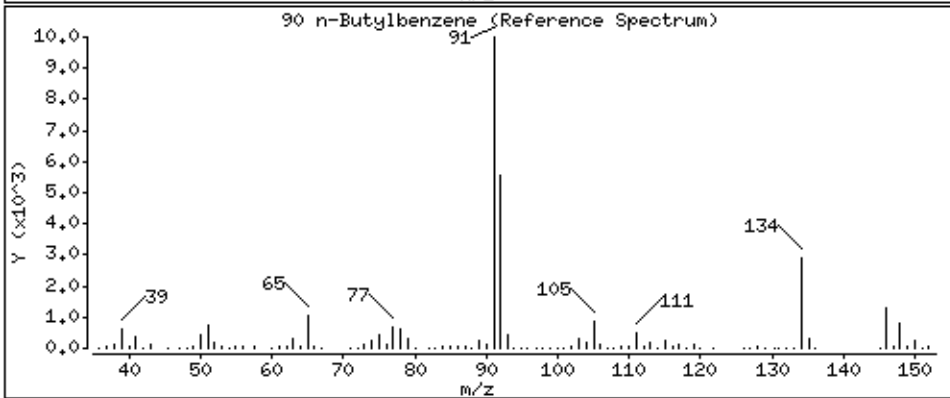
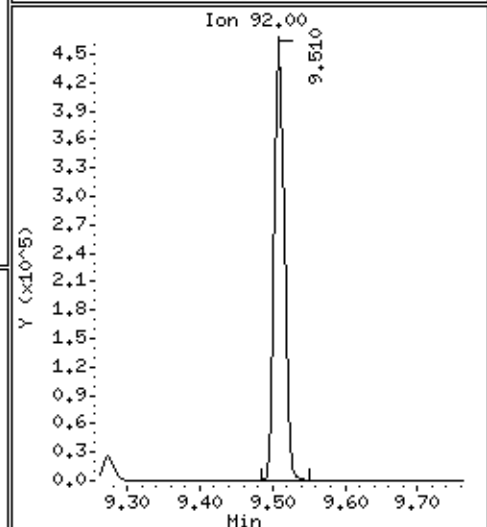
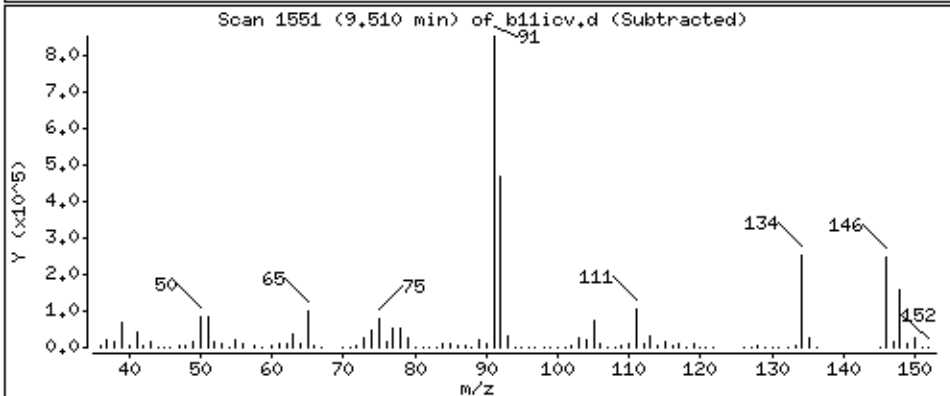
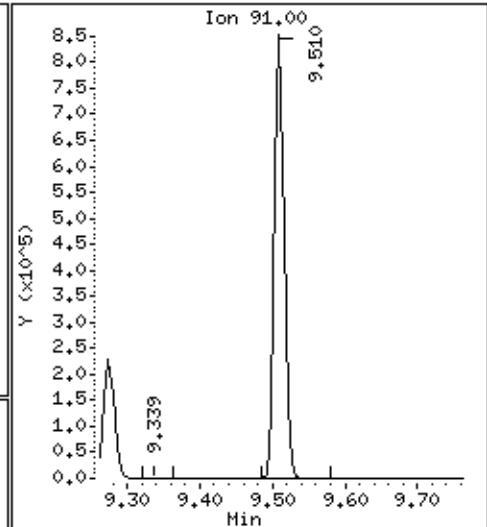
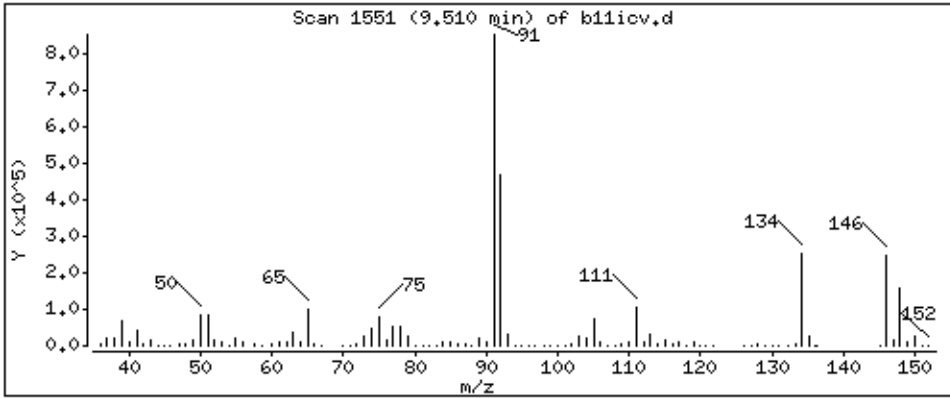
Operator: rsw

Column phase: DB-624

Column diameter: 0,18

90 n-Butylbenzene

Concentration: 45,9 ppb



Date : 25-JUN-2014 21:03

Client ID: 8260-ICV

Instrument: 50mv4b.i

Sample Info: 8260-ICV,71418:0

Purge Volume: 5.0

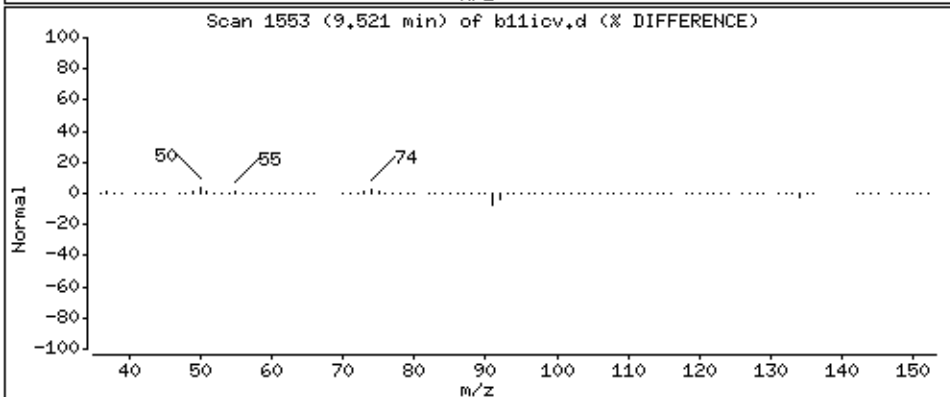
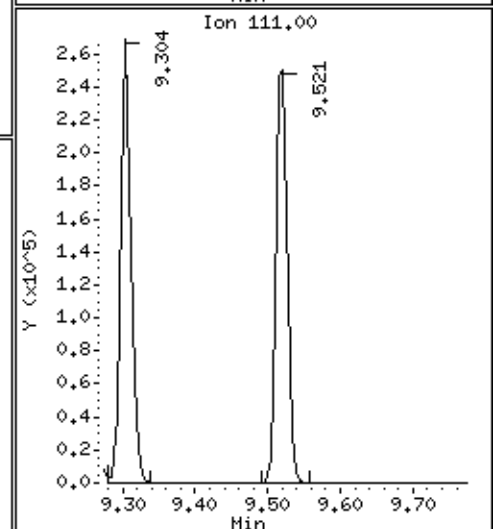
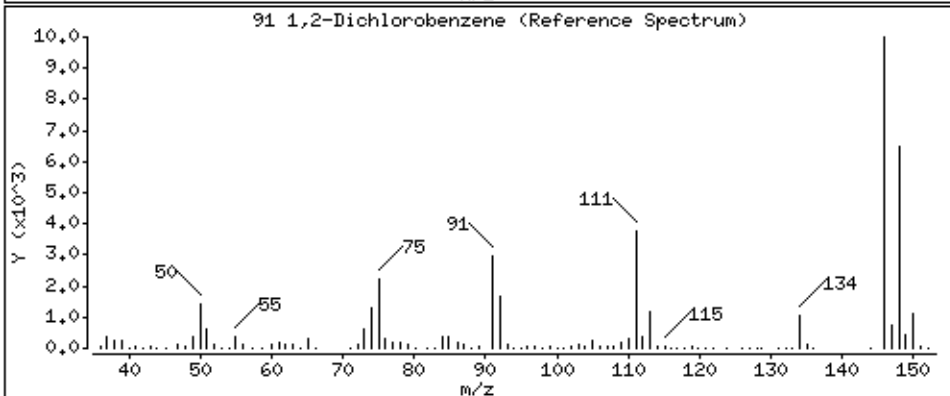
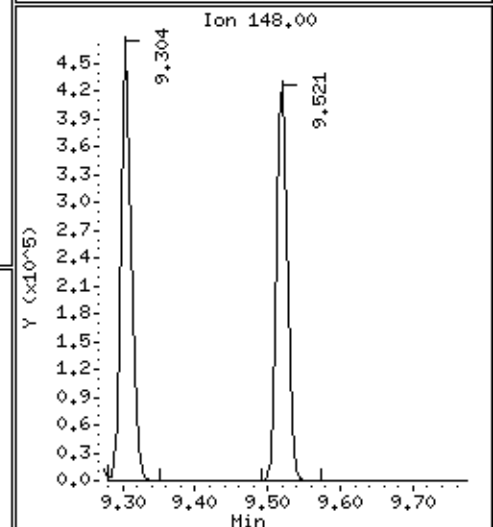
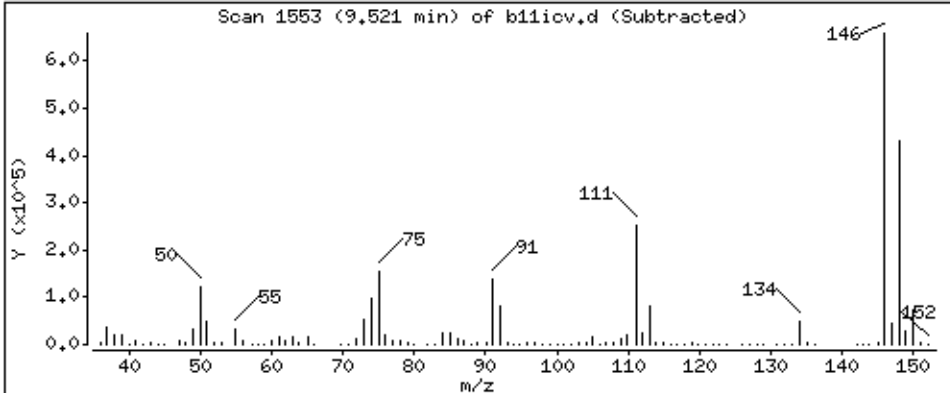
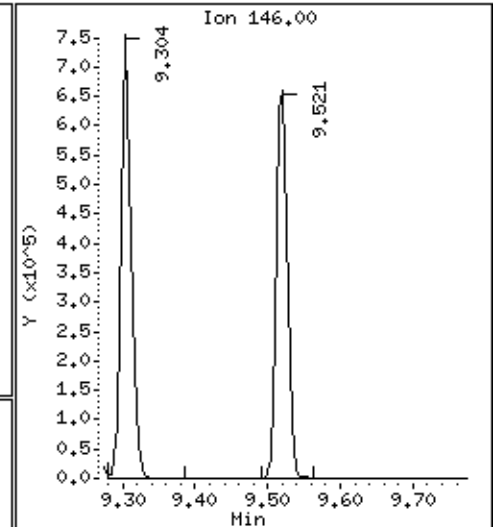
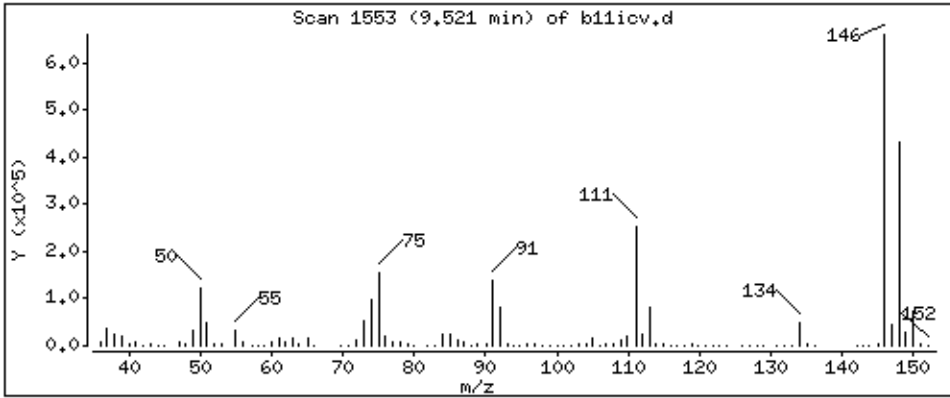
Operator: rsw

Column phase: DB-624

Column diameter: 0,18

91 1,2-Dichlorobenzene

Concentration: 52.9 ppb



Date : 25-JUN-2014 21:03

Client ID: 8260-ICV

Instrument: 50mv4b.i

Sample Info: 8260-ICV,71418:0

Purge Volume: 5.0

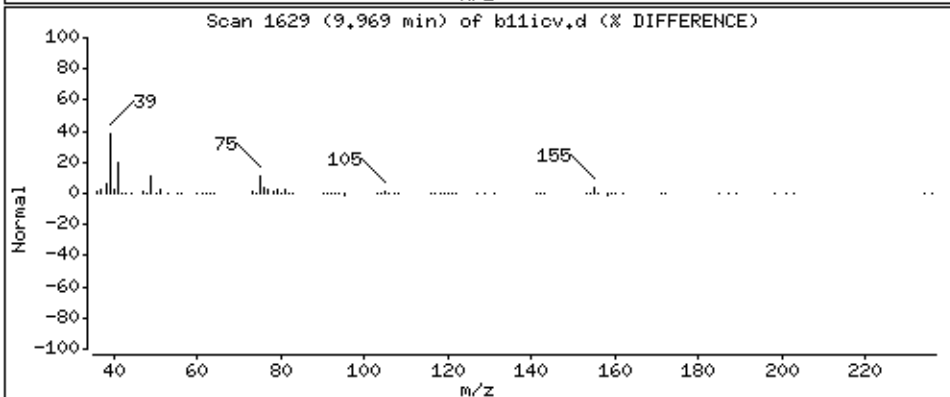
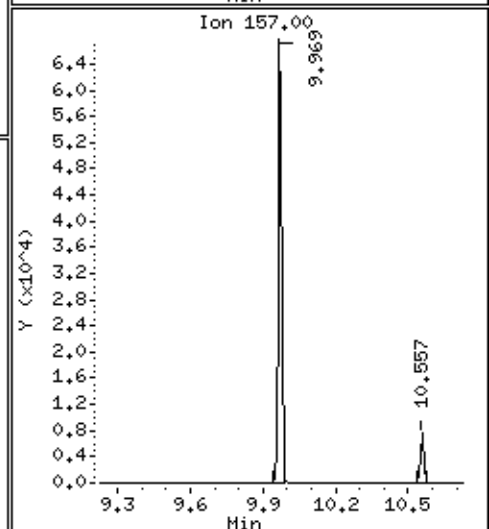
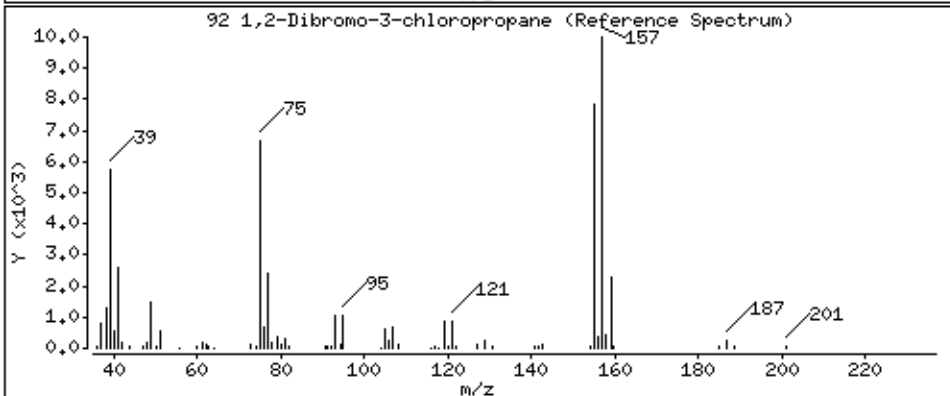
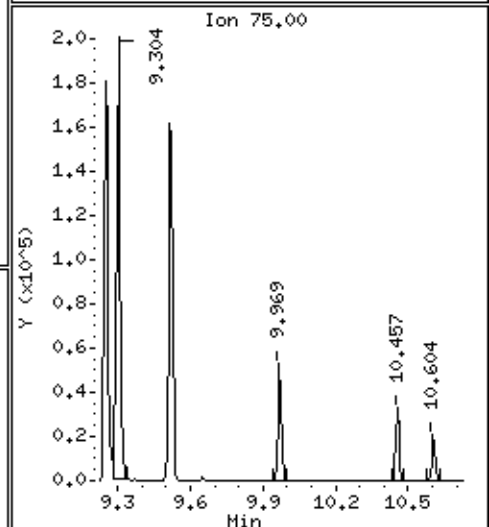
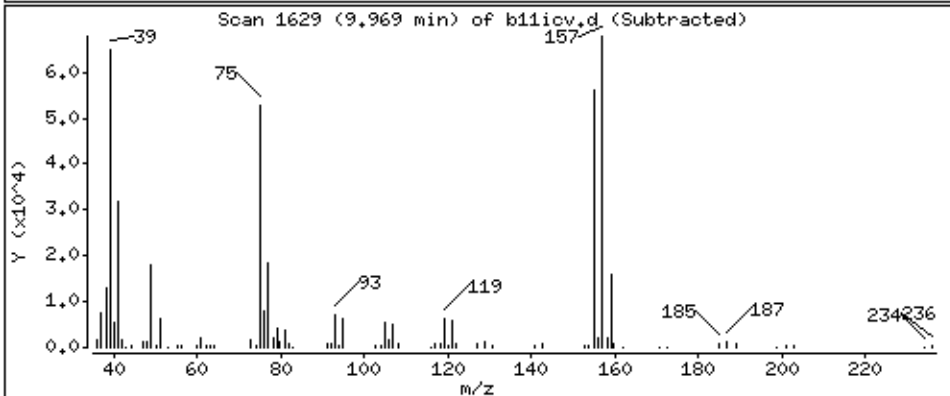
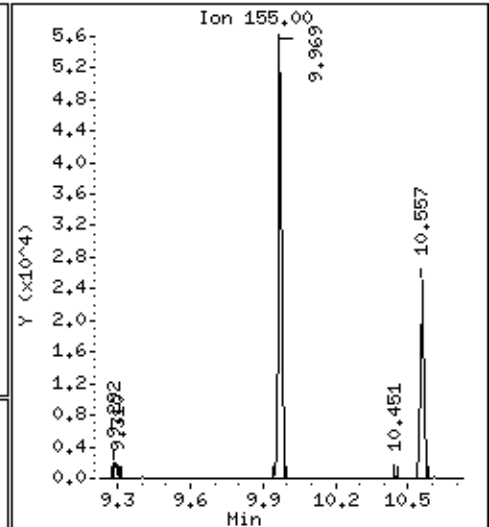
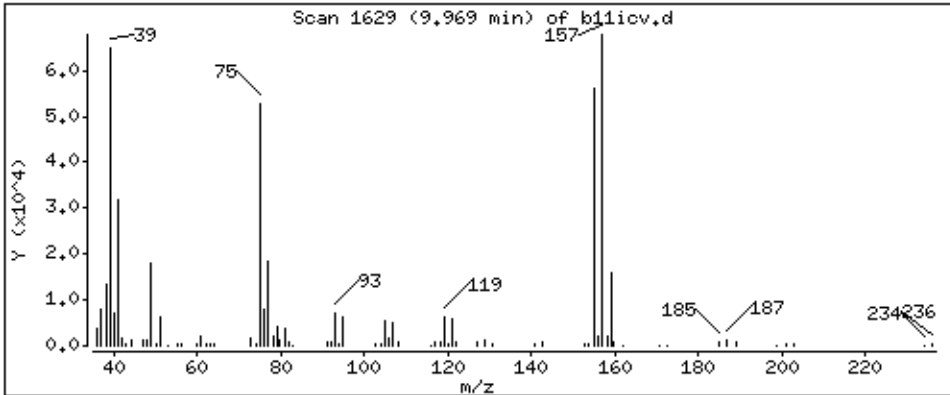
Operator: rsw

Column phase: DB-624

Column diameter: 0,18

92 1,2-Dibromo-3-chloropropane

Concentration: 43.0 ppb



Date : 25-JUN-2014 21:03

Client ID: 8260-ICV

Instrument: 50mv4b.i

Sample Info: 8260-ICV,71418:0

Purge Volume: 5.0

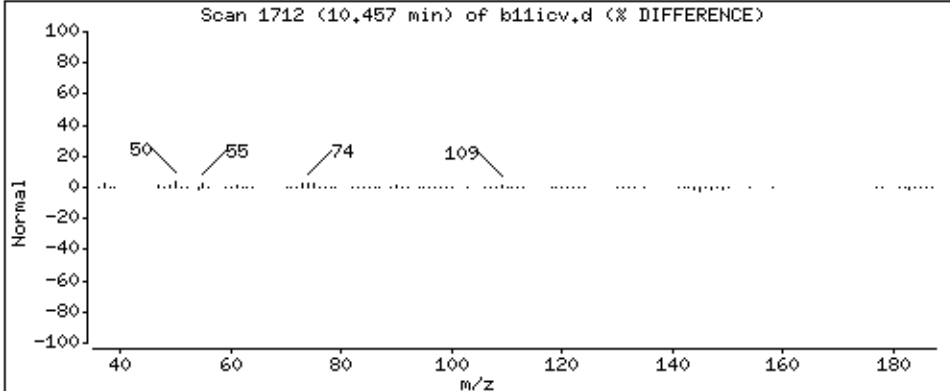
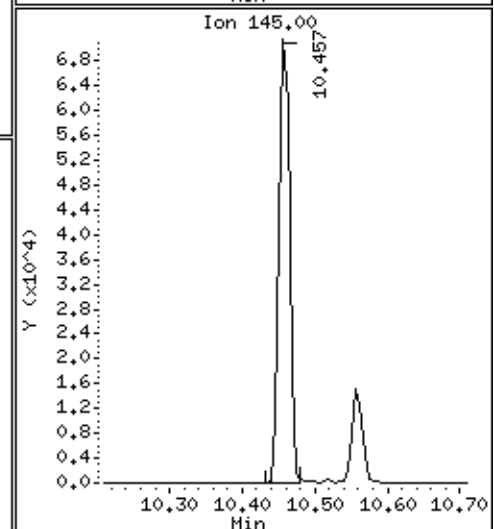
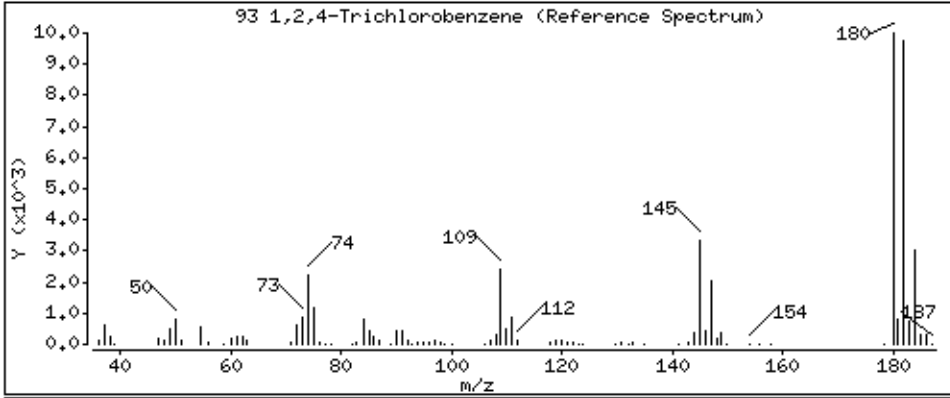
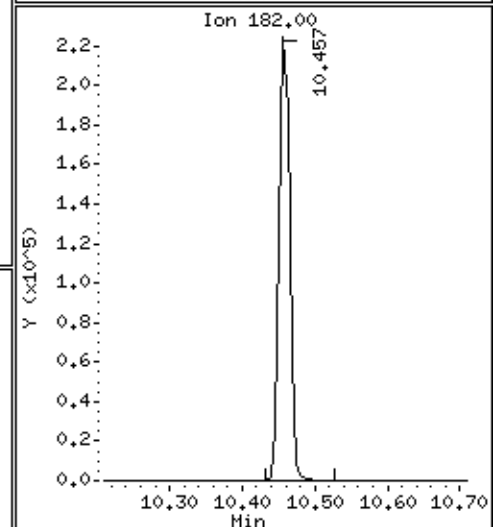
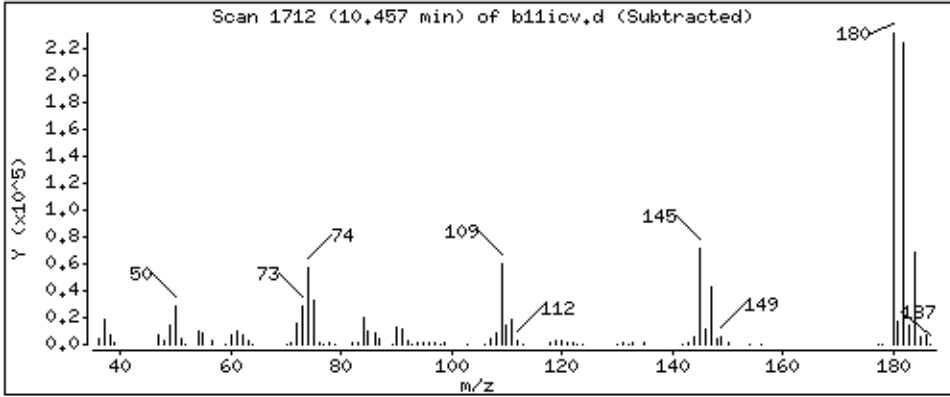
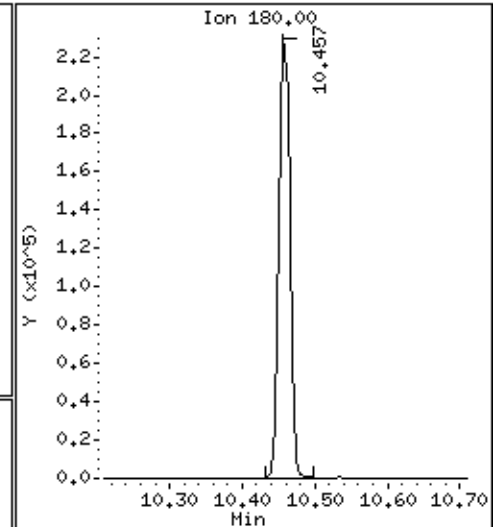
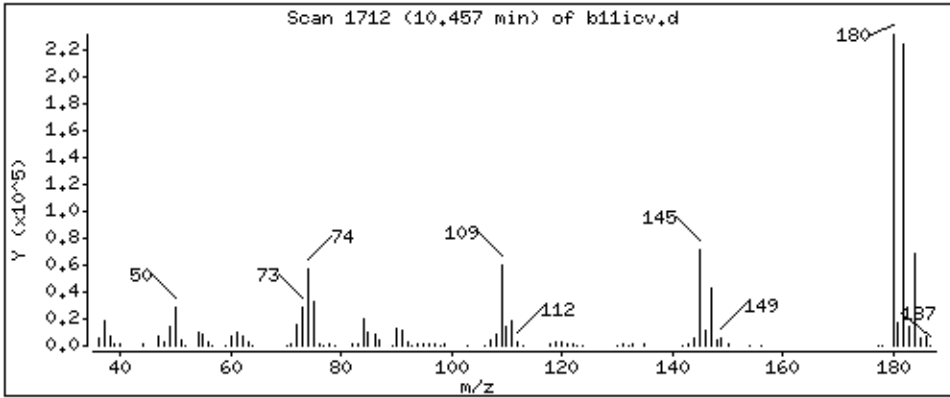
Operator: rsw

Column phase: DB-624

Column diameter: 0,18

93 1,2,4-Trichlorobenzene

Concentration: 43,6 ppb



Date : 25-JUN-2014 21:03

Client ID: 8260-ICV

Instrument: 50mv4b.i

Sample Info: 8260-ICV,71418:0

Purge Volume: 5.0

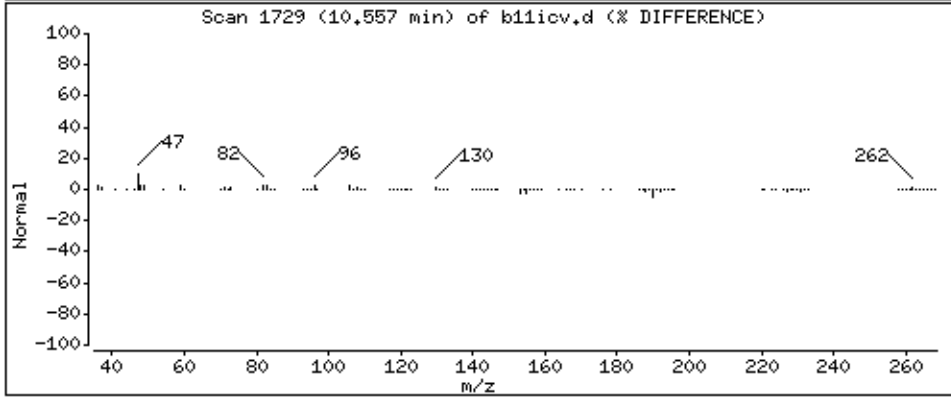
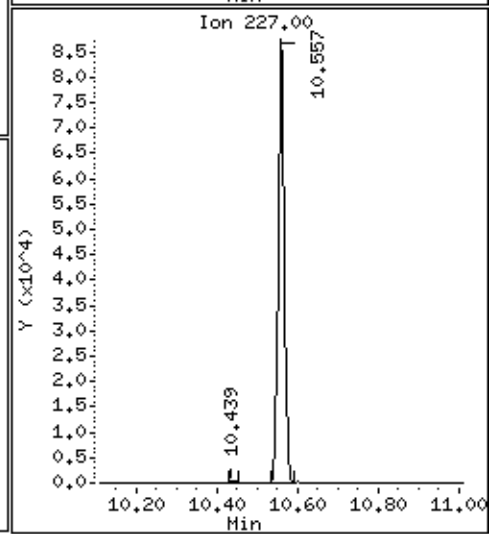
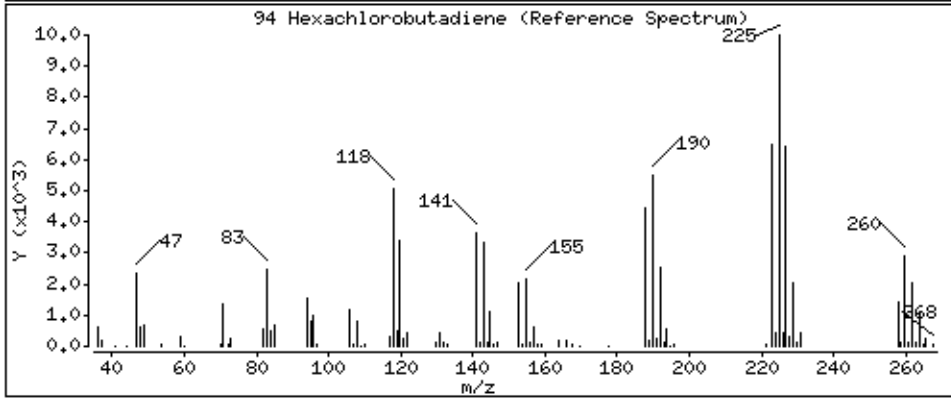
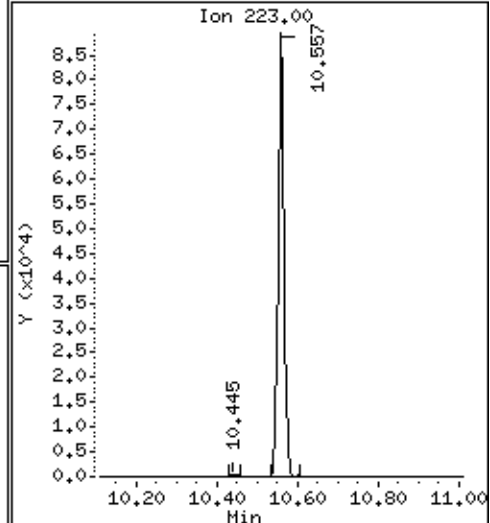
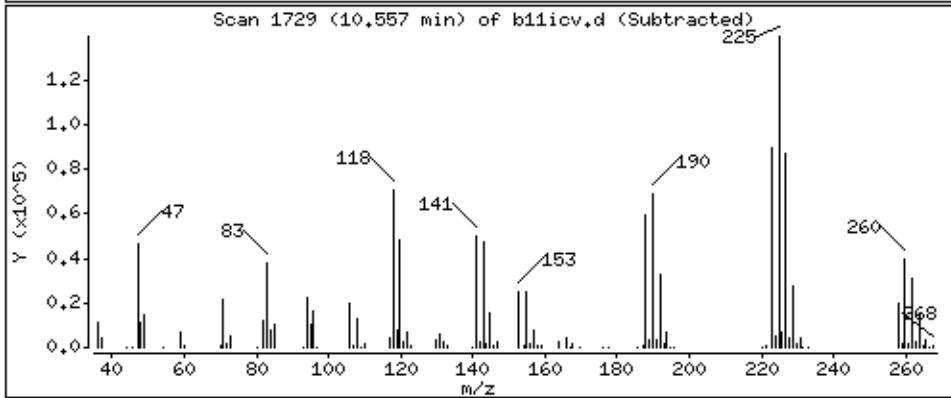
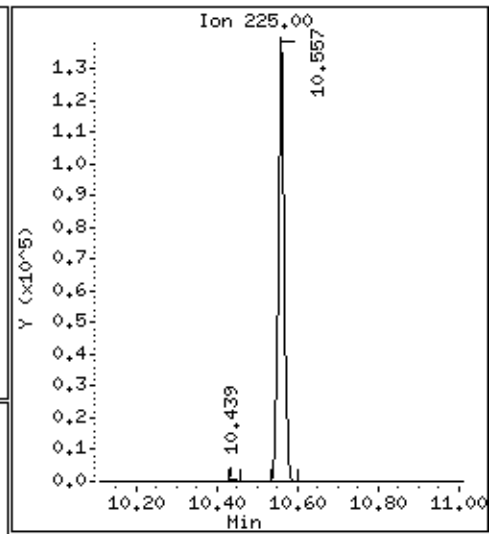
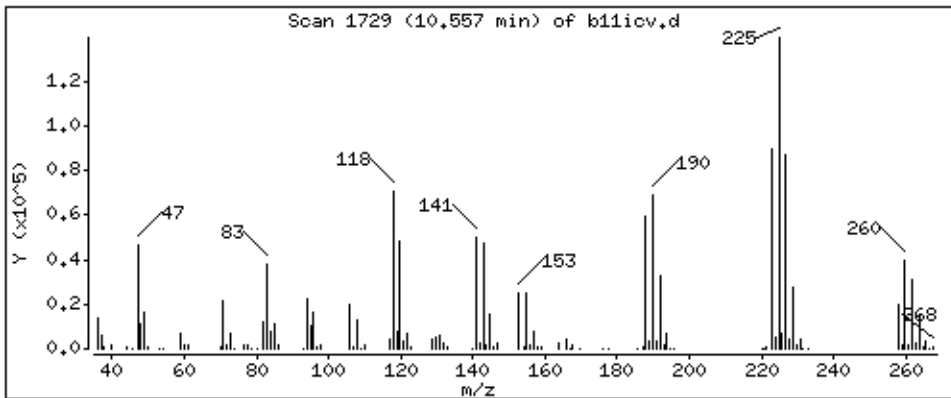
Operator: rsw

Column phase: DB-624

Column diameter: 0,18

94 Hexachlorobutadiene

Concentration: 53,2 ppb



Date : 25-JUN-2014 21:03

Client ID: 8260-ICV

Instrument: 50mv4b.i

Sample Info: 8260-ICV,71418:0

Purge Volume: 5.0

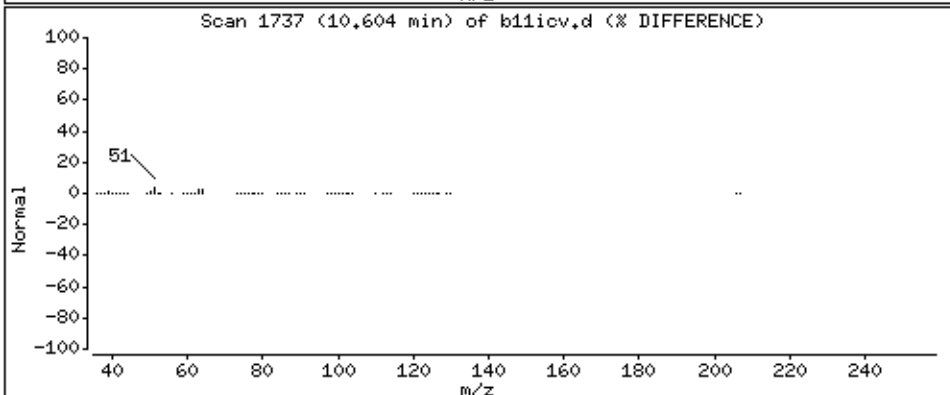
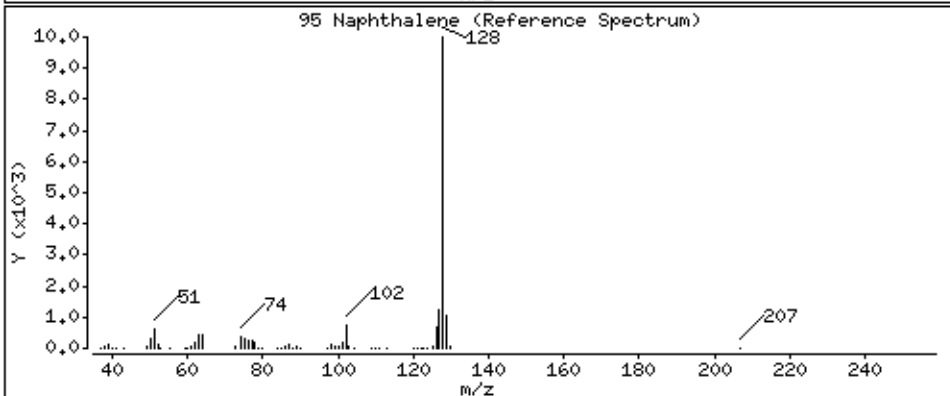
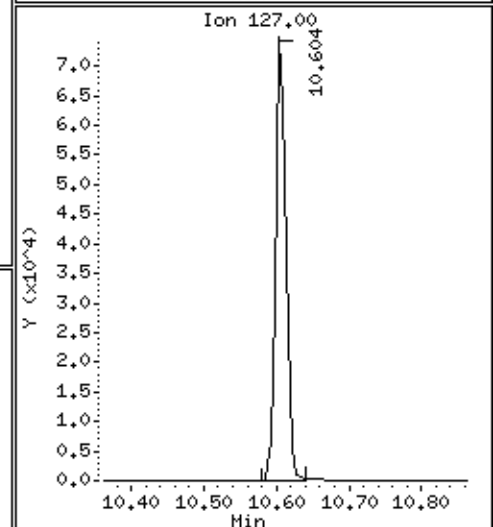
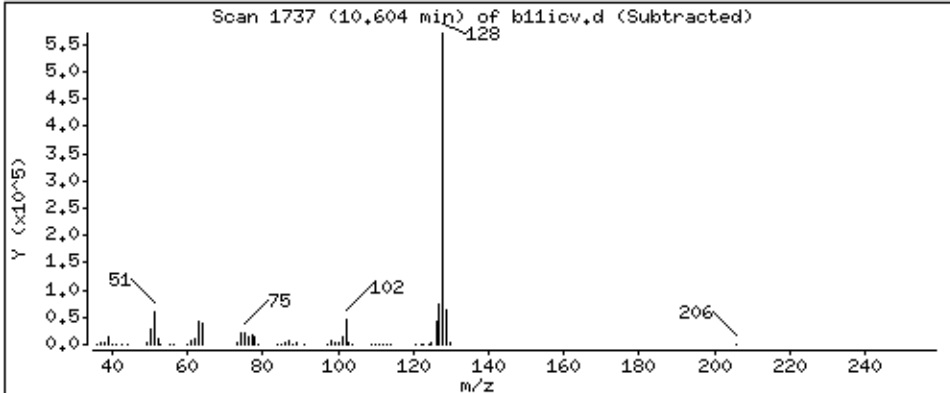
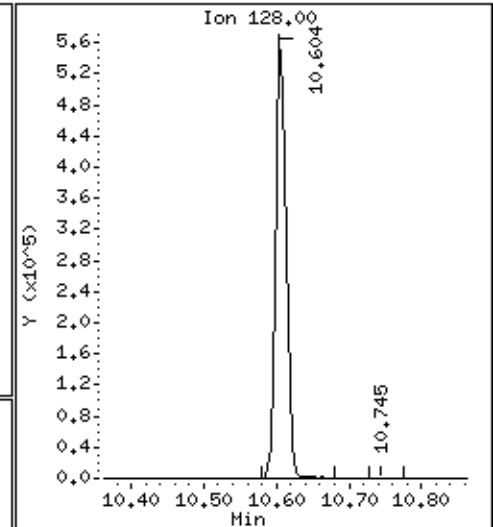
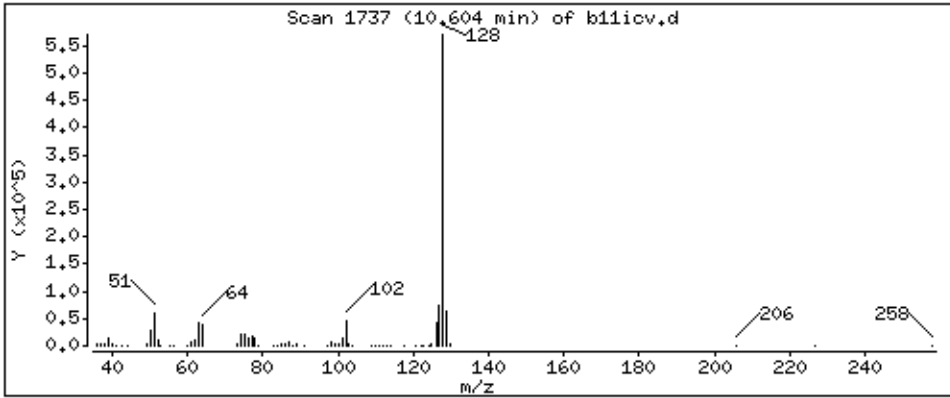
Operator: rsw

Column phase: DB-624

Column diameter: 0,18

95 Naphthalene

Concentration: 46,6 ppb



Date : 25-JUN-2014 21:03

Client ID: 8260-ICV

Instrument: 50mv4b.i

Sample Info: 8260-ICV,71418:0

Purge Volume: 5.0

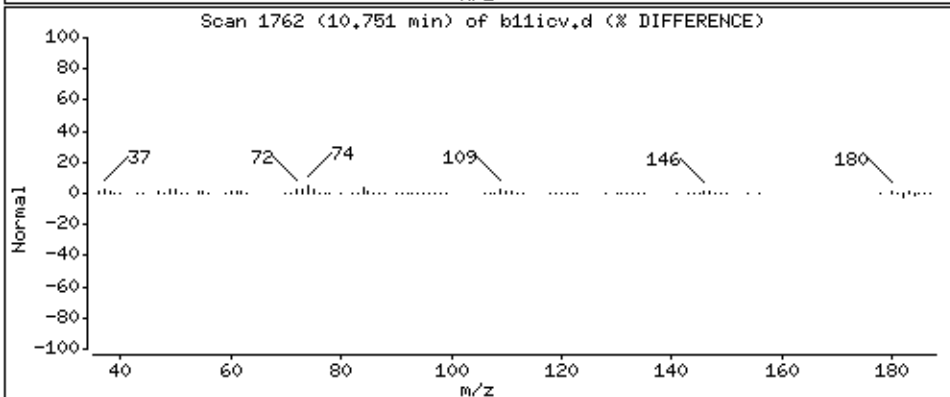
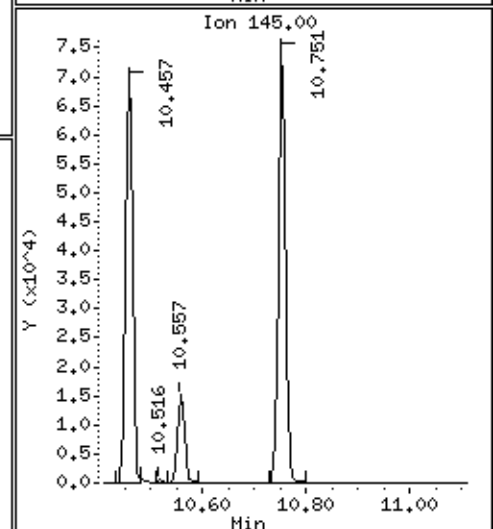
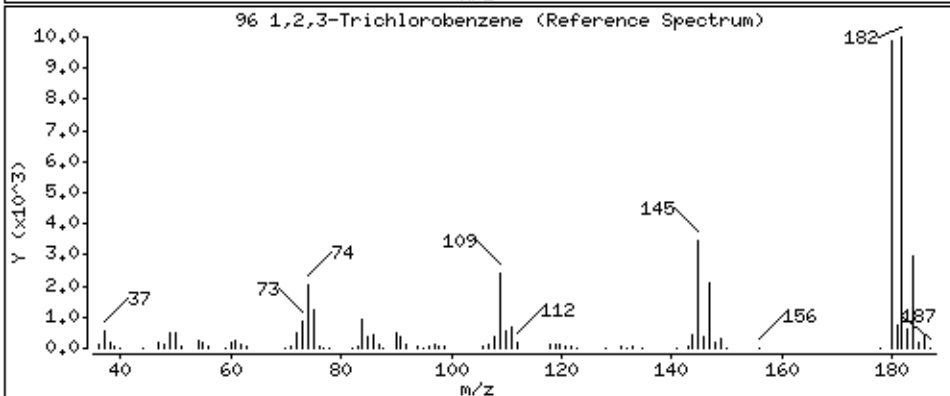
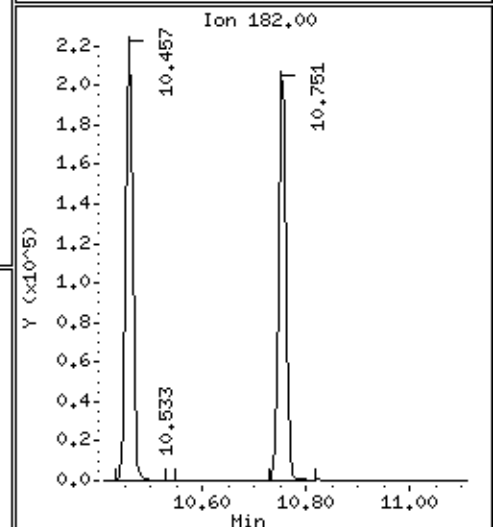
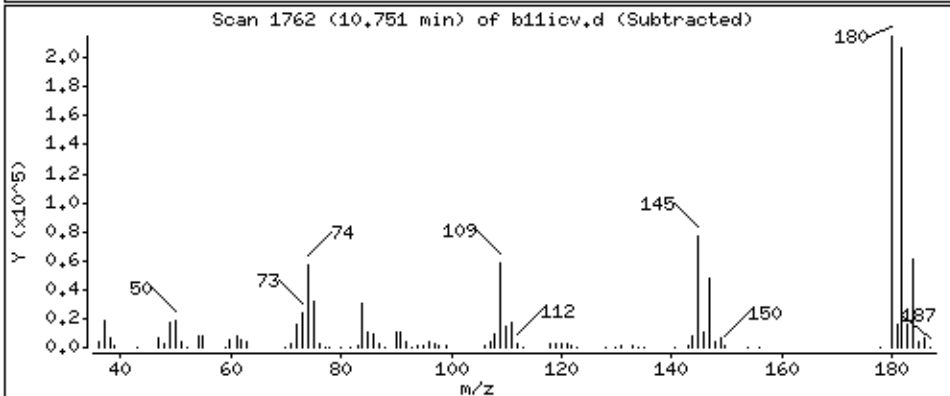
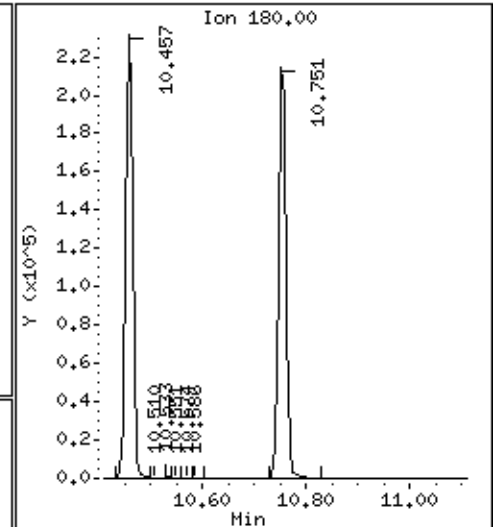
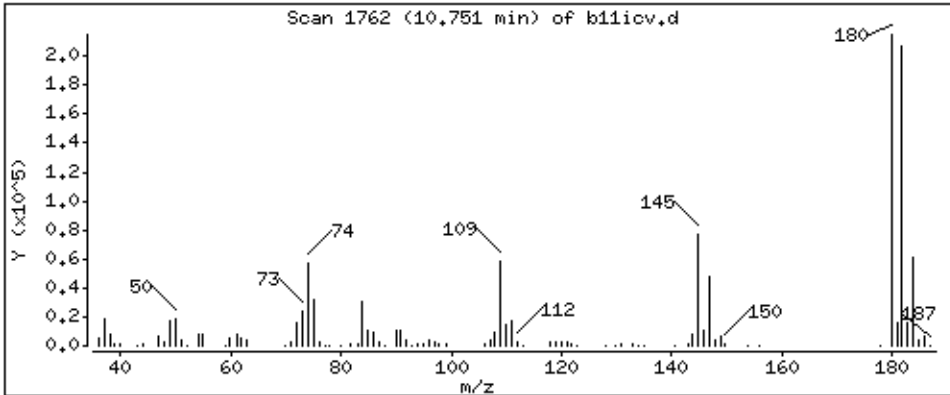
Operator: rsw

Column phase: DB-624

Column diameter: 0,18

96 1,2,3-Trichlorobenzene

Concentration: 45,2 ppb



Date : 25-JUN-2014 21:03

Client ID: 8260-ICV

Instrument: 50mv4b.i

Sample Info: 8260-ICV,71418:0

Purge Volume: 5.0

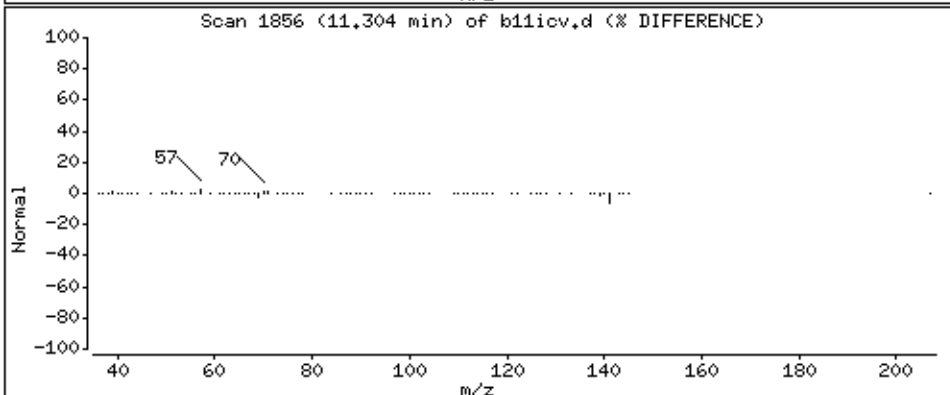
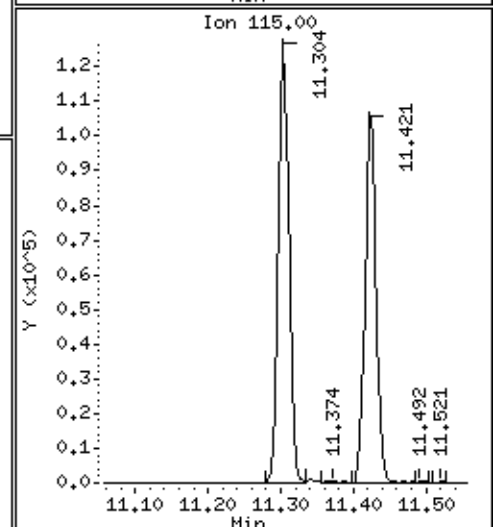
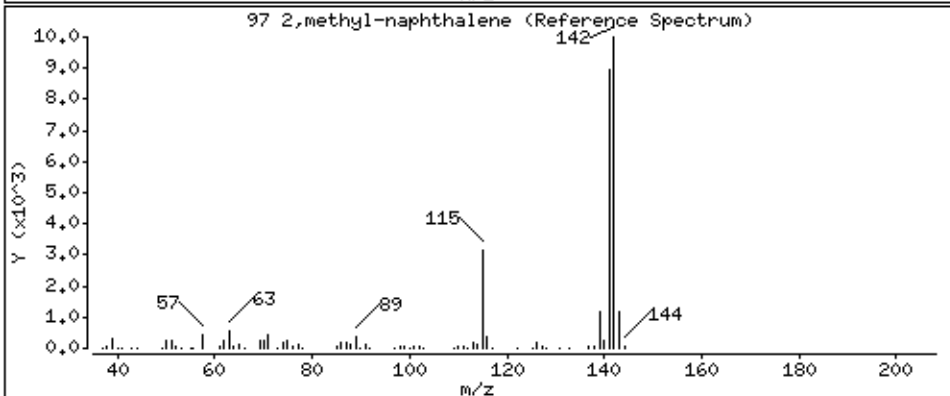
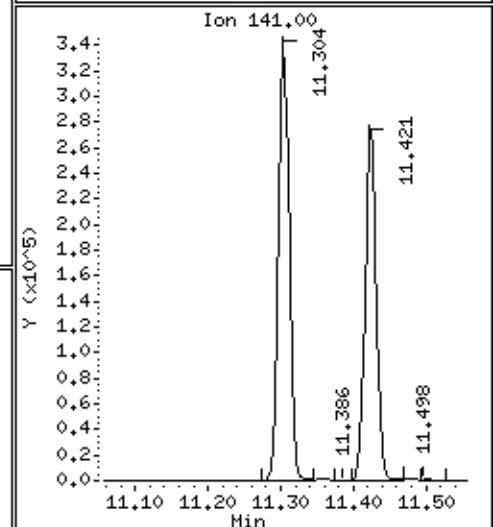
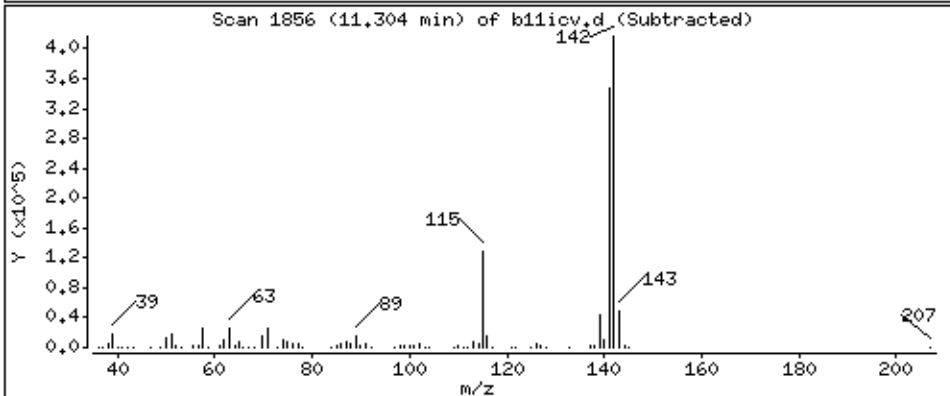
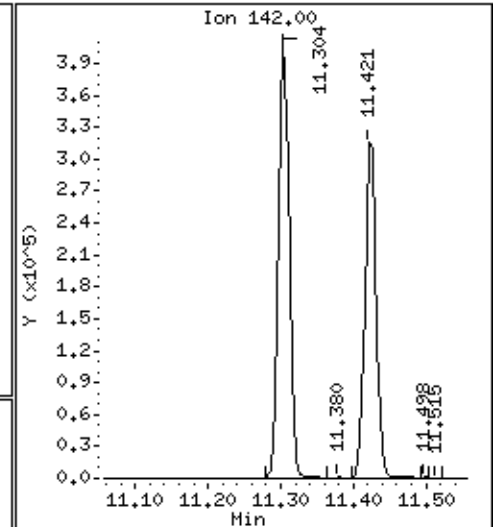
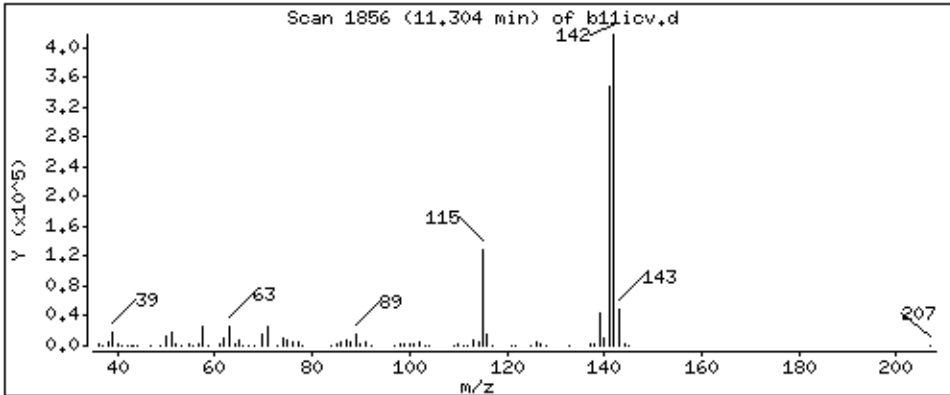
Operator: rsw

Column phase: DB-624

Column diameter: 0,18

97 2,methyl-naphthalene

Concentration: 65,3 ppb



Date : 25-JUN-2014 21:03

Client ID: 8260-ICV

Instrument: 50mv4b.i

Sample Info: 8260-ICV,71418:0

Purge Volume: 5.0

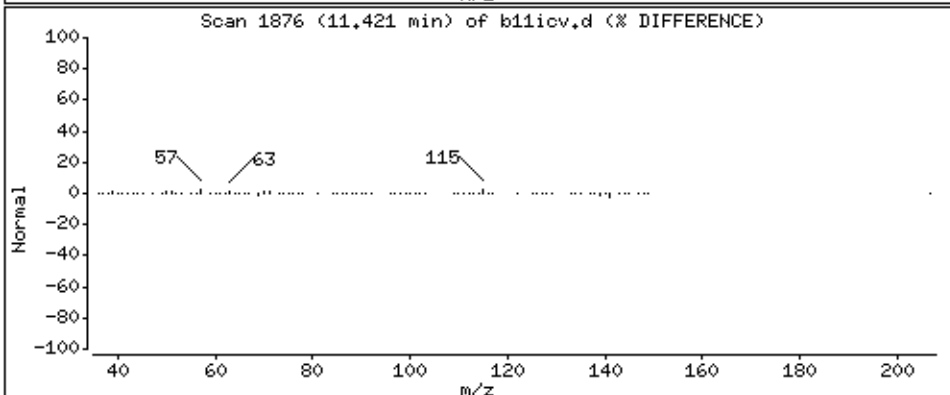
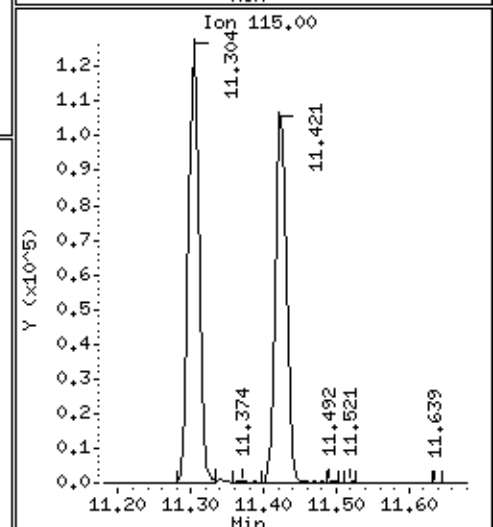
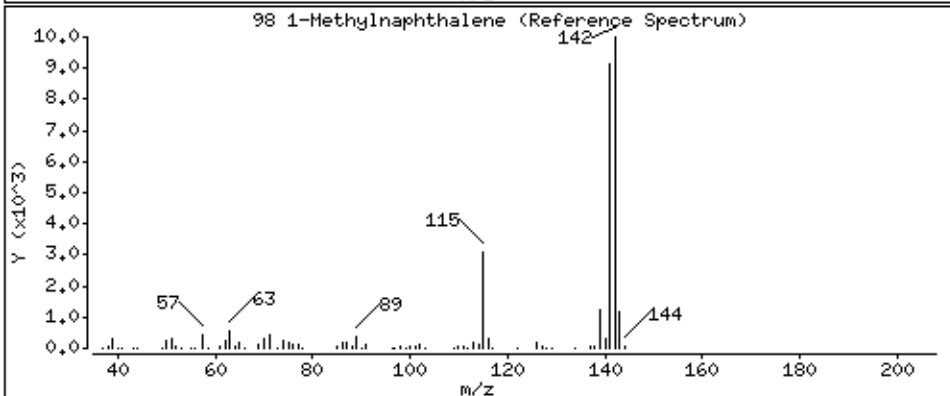
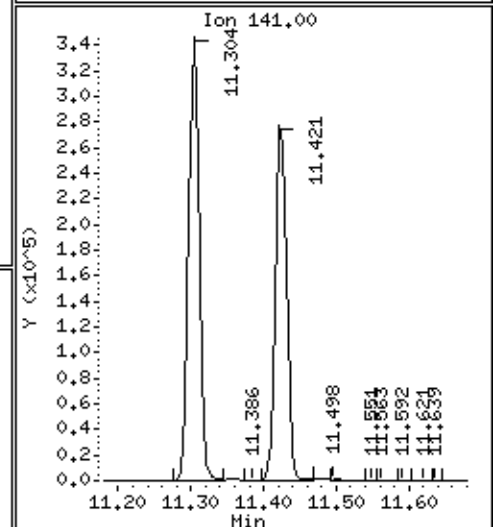
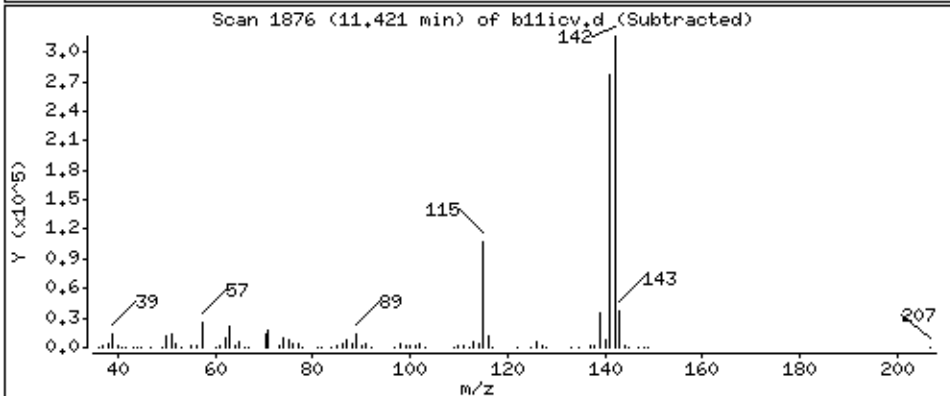
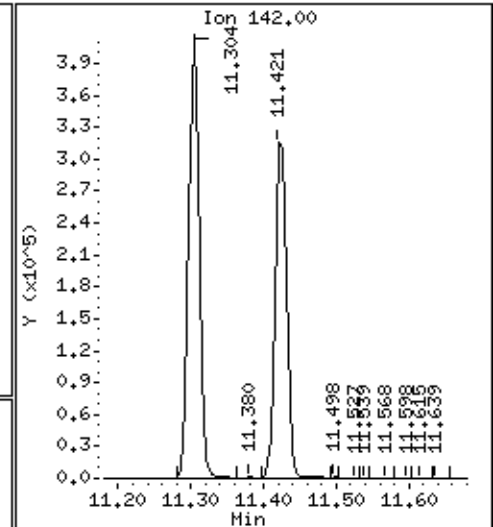
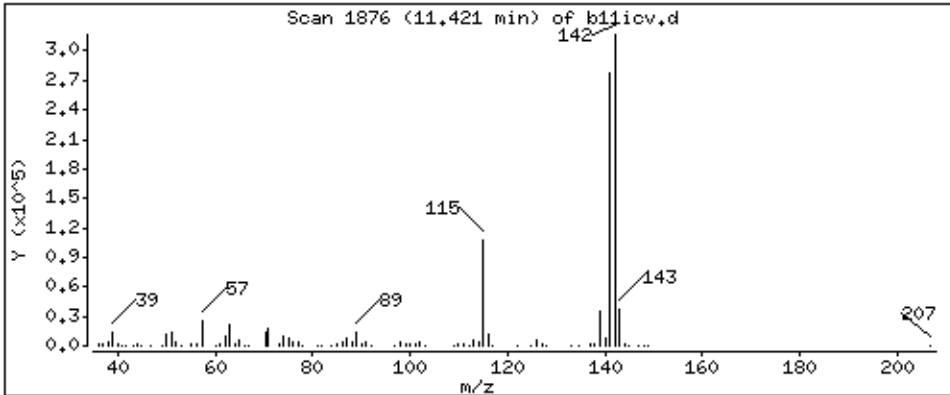
Operator: rsw

Column phase: DB-624

Column diameter: 0,18

98 1-Methylnaphthalene

Concentration: 64,6 ppb



Data File: \\192.168.50.6\chem\50mv4b.i\b062514cal.b\b11icv.d
Injection Date: 25-JUN-2014 21:03
Instrument: 50mv4b.i
Lab Sample ID: 8260-ICV
NO SIGNAL MANUAL INTEGRATIONS DONE FOR THIS DATA FILE

Pace Analytical Services, Inc.

Data file : \\192.168.50.6\chem\50mv4b.i\b070114.b\b02ccv.d
 Lab Smp Id: 8260-CCV Client Smp ID: 8260-CCV
 Inj Date : 01-JUL-2014 12:28
 Operator : rsw Inst ID: 50mv4b.i
 Smp Info : 8260-ccv,71402:0
 Misc Info : 66334
 Comment :
 Method : \\192.168.50.6\chem\50mv4b.i\b070114.b\b02ccv.d
 Meth Date : 02-Jul-2014 09:49 50mv4b.i Quant Type: ISTD
 Cal Date : 30-JUN-2014 16:17 Cal File: b09.d
 Als bottle: 6 Continuing Calibration Sample
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: all.sub
 Target Version: 4.14

Concentration Formula: Amt * DF * Uf/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT	SIG	AMOUNTS					REVIEW C	
			MASS	RT	EXP RT	REL RT	RESPONSE		CAL-AMT (ppb)
1 Dichlorodifluoromethane	85		1.057	1.057	(0.205)	384760	50.0000	54.5	
2 Chloromethane	50		1.186	1.186	(0.230)	659496	50.0000	50.2	
3 Vinyl Chloride	62		1.227	1.228	(0.238)	459976	50.0000	52.0	
4 Bromomethane	94		1.416	1.416	(0.274)	145408	50.0000	79.9	
5 Chloroethane	64		1.480	1.480	(0.286)	252210	50.0000	46.0	
6 Trichlorofluoromethane	101		1.639	1.639	(0.317)	507180	50.0000	49.9	
7 Diethyl ether	74		1.827	1.833	(0.354)	160587	50.0000	52.8	
8 1,2-dichlorotrifluoroethane	67		1.839	1.839	(0.356)	377885	50.0000	48.7	
9 Acrolein	56		1.916	1.922	(0.371)	1423091	1000.00	979	
10 1,1,2trichlorotrifluoroethane	101		1.992	1.992	(0.386)	313086	50.0000	52.6	
11 1,1-Dichloroethene	96		1.986	1.986	(0.384)	258394	50.0000	49.2	
12 Acetone	43		2.027	2.033	(0.392)	778288	250.000	320	
13 Iodomethane	142		2.098	2.098	(0.406)	492567	100.000	99.8	
14 Carbon Disulfide	76		2.145	2.145	(0.415)	1479443	100.000	113	
15 Acetonitrile	39		2.263	2.269	(0.438)	951820	50.0000	50.1	
16 allyl chloride	41		2.263	2.269	(0.438)	1546362	100.000	105	
17 Methyl Acetate	43		2.292	2.292	(0.444)	476802	50.0000	57.8	
18 Methylene Chloride	84		2.369	2.369	(0.458)	285677	50.0000	49.5	
19 tert-Butyl Alcohol	59		2.492	2.492	(0.482)	46082	100.000	101	
20 Acrylonitrile	53		2.592	2.598	(0.502)	3540074	1000.00	1090	
21 1,2-Dichloroethene (trans)	96		2.610	2.610	(0.505)	278674	50.0000	47.8	
22 Methyl-tert-butyl ether	73		2.622	2.622	(0.507)	1105252	100.000	98.4	
23 n-Hexane	57		2.880	2.886	(0.557)	624871	50.0000	52.2	

Compounds	QUANT	SIG						AMOUNTS		REVIEW C
			MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ppb)	ON-COL (ppb)	
24 1,1-Dichloroethane	63		3.033	3.033	(0.587)	673102	50.0000	54.1		
25 Vinyl Acetate	43		3.121	3.122	(0.604)	4681129	200.000	246		
26 chloroprene	53		3.133	3.133	(0.606)	732914	50.0000	54.2		
27 2,2-Dichloropropane	77		3.739	3.739	(0.723)	277426	50.0000	47.4		
28 1,2-Dichloroethene (cis)	96		3.751	3.751	(0.726)	349432	50.0000	51.5		
29 2-Butanone	43		3.810	3.810	(0.737)	1284700	250.000	304		
30 Propionitrile	54		3.886	3.892	(0.752)	68172	50.0000	50.7		
31 Bromochloromethane	49		4.068	4.074	(0.787)	474597	50.0000	50.4		
32 Methacrylonitrile	41		4.086	4.092	(0.791)	1446050	50.0000	243		
33 Tetrahydrofuran	42		4.133	4.139	(0.800)	167126	50.0000	44.0		
34 Chloroform	83		4.204	4.204	(0.813)	542399	50.0000	50.1		
35 1,1,1-Trichloroethane	97		4.392	4.392	(0.850)	433573	50.0000	56.4		
\$ 36 Dibromofluoromethane (S)	113		4.398	4.404	(0.851)	91121	50.0000	49.5		
37 Cyclohexane	56		4.445	4.445	(0.860)	838299	50.0000	61.1		
38 Carbon Tetrachloride	117		4.586	4.592	(0.887)	377349	50.0000	56.3		
39 1,1-Dichloropropene	75		4.598	4.604	(0.890)	429808	50.0000	56.2		
40 Benzene	78		4.833	4.839	(0.935)	1247655	50.0000	52.9		
41 1,2-Dichloroethane	62		4.874	4.874	(0.943)	511254	50.0000	47.8		
42 2,2,4-Trimethylpentane	57		4.957	4.957	(0.959)	1261155	50.0000	57.5		
43 Isobutyl alcohol	43		4.957	4.957	(0.959)	258824	50.0000	52.3		
* 44 Fluorobenzene	96		5.168	5.168	(1.000)	349025	50.0000			
45 Trichloroethene	95		5.557	5.563	(1.075)	317027	50.0000	50.5		
46 Methylcyclohexane	55		5.739	5.739	(1.110)	654404	50.0000	60.4		
47 1,2-Dichloropropane	63		5.786	5.792	(1.119)	378569	50.0000	52.8		
48 Dibromomethane	93		5.904	5.904	(1.142)	184802	50.0000	51.1		
49 1,4-Dioxane	88		5.957	5.957	(1.152)	45958	1000.00	1080		
50 Methyl methacrylate	69		5.968	5.974	(1.155)	213632	50.0000	68.2		
51 Bromodichloromethane	83		6.086	6.086	(1.178)	374331	50.0000	56.2		
52 2-Chloroethyl vinyl ether	63		6.415	6.415	(0.815)	229273	100.000	51.8		
53 cis-1,3-Dichloropropene	75		6.527	6.527	(0.829)	419002	50.0000	47.9		
54 4-Methyl-2-Pentanone	43		6.698	6.698	(0.851)	2595713	250.000	325		
\$ 55 Toluene-d8	98		6.762	6.763	(0.859)	350565	50.0000	50.2		
56 Toluene	91		6.827	6.827	(0.867)	1339476	50.0000	51.4		
57 trans-1,3-Dichloropropene	75		7.051	7.051	(0.895)	322099	50.0000	45.3		
58 Ethyl Methacrylate	69		7.157	7.157	(0.909)	1504582	50.0000	216		
59 1,1,2-Trichloroethane	83		7.192	7.192	(0.913)	221967	50.0000	50.7		
60 Tetrachloroethene	166		7.280	7.286	(0.925)	338573	50.0000	48.4		
61 1,3-Dichloropropane	76		7.315	7.315	(0.929)	445596	50.0000	51.7		
62 2-Hexanone	43		7.404	7.404	(0.940)	1751547	250.000	339		
63 Dibromochloromethane	129		7.480	7.480	(0.950)	277717	50.0000	44.8		
64 1,2-Dibromoethane	107		7.545	7.545	(0.958)	291390	50.0000	55.5		
* 65 Chlorobenzene-d5	117		7.874	7.874	(1.000)	279676	50.0000			
66 Chlorobenzene	112		7.892	7.892	(1.002)	899527	50.0000	50.4		
67 1,1,1,2-Tetrachloroethane	131		7.951	7.951	(1.010)	310218	50.0000	59.7		
68 Ethylbenzene	106		7.974	7.974	(1.013)	487755	50.0000	55.3		
69 m&p-Xylene	106		8.051	8.051	(1.022)	1170350	100.000	115		
70 o-Xylene	106		8.298	8.298	(1.054)	567926	50.0000	58.5		
71 Styrene	104		8.309	8.309	(1.055)	873339	50.0000	53.8		
72 Bromoform	173		8.415	8.415	(0.906)	154175	50.0000	44.2		
73 Isopropylbenzene	105		8.527	8.527	(1.083)	1458746	50.0000	56.0		
\$ 74 4-Bromofluorobenzene	95		8.615	8.615	(1.094)	125615	50.0000	53.2		
75 Bromobenzene	77		8.698	8.698	(1.105)	481629	50.0000	51.4		
76 1,1,2,2-Tetrachloroethane	83		8.709	8.709	(0.938)	335664	50.0000	55.3		
77 1,2,3-Trichloropropane	110		8.727	8.727	(0.940)	110319	50.0000	54.8 (Q)		

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS		REVIEW C
						CAL-AMT (ppb)	ON-COL (ppb)	
78 trans-1,4-Dichloro-2-butene	53	8.739	8.739	(1.110)	542210	50.0000	234 (Q)	
79 n-Propylbenzene	91	8.768	8.768	(0.944)	1530570	50.0000	58.8	
80 2-Chlorotoluene	91	8.815	8.815	(0.949)	959170	50.0000	49.6	
81 1,3,5-Trimethylbenzene	105	8.874	8.874	(0.956)	992409	50.0000	57.8	
82 4-Chlorotoluene	126	8.880	8.880	(0.956)	339936	50.0000	53.5	
83 tert-Butylbenzene	119	9.062	9.062	(0.976)	993698	50.0000	52.1	
84 1,2,4-Trimethylbenzene	105	9.092	9.092	(0.979)	915552	50.0000	60.6	
85 sec-Butylbenzene	105	9.186	9.186	(0.989)	1207783	50.0000	61.2	
86 1,3-Dichlorobenzene	146	9.250	9.251	(0.996)	594007	50.0000	50.8	
87 p-Isopropyltoluene	119	9.274	9.274	(0.999)	896070	50.0000	46.4	
* 88 1,4-Dichlorobenzene-d4	152	9.286	9.286	(1.000)	121773	50.0000		
89 1,4-Dichlorobenzene	146	9.303	9.304	(1.002)	571645	50.0000	50.6	
90 n-Butylbenzene	91	9.509	9.504	(1.024)	617738	50.0000	44.9	
91 1,2-Dichlorobenzene	146	9.515	9.515	(1.025)	567287	50.0000	52.8	
92 1,2-Dibromo-3-chloropropane	155	9.968	9.968	(1.073)	45935	50.0000	45.4	
93 1,2,4-Trichlorobenzene	180	10.450	10.456	(1.125)	187181	50.0000	43.5	
94 Hexachlorobutadiene	225	10.550	10.550	(1.136)	112912	50.0000	53.2	
95 Naphthalene	128	10.603	10.603	(1.142)	504294	50.0000	52.0	
96 1,2,3-Trichlorobenzene	180	10.750	10.750	(1.158)	178182	50.0000	45.9	
97 2,methyl-naphthalene	142	11.297	11.298	(1.217)	259850	50.0000	53.3	
98 1-Methylnaphthalene	142	11.415	11.415	(2.208)	252818	50.0000	52.0 (Q)	
99 n-amyl acetate	70	1.057	1.063	(0.205)	617	50.0000	(Q)	
100 isopropyl acetate	61	1.227	1.228	(0.238)	40660	50.0000		

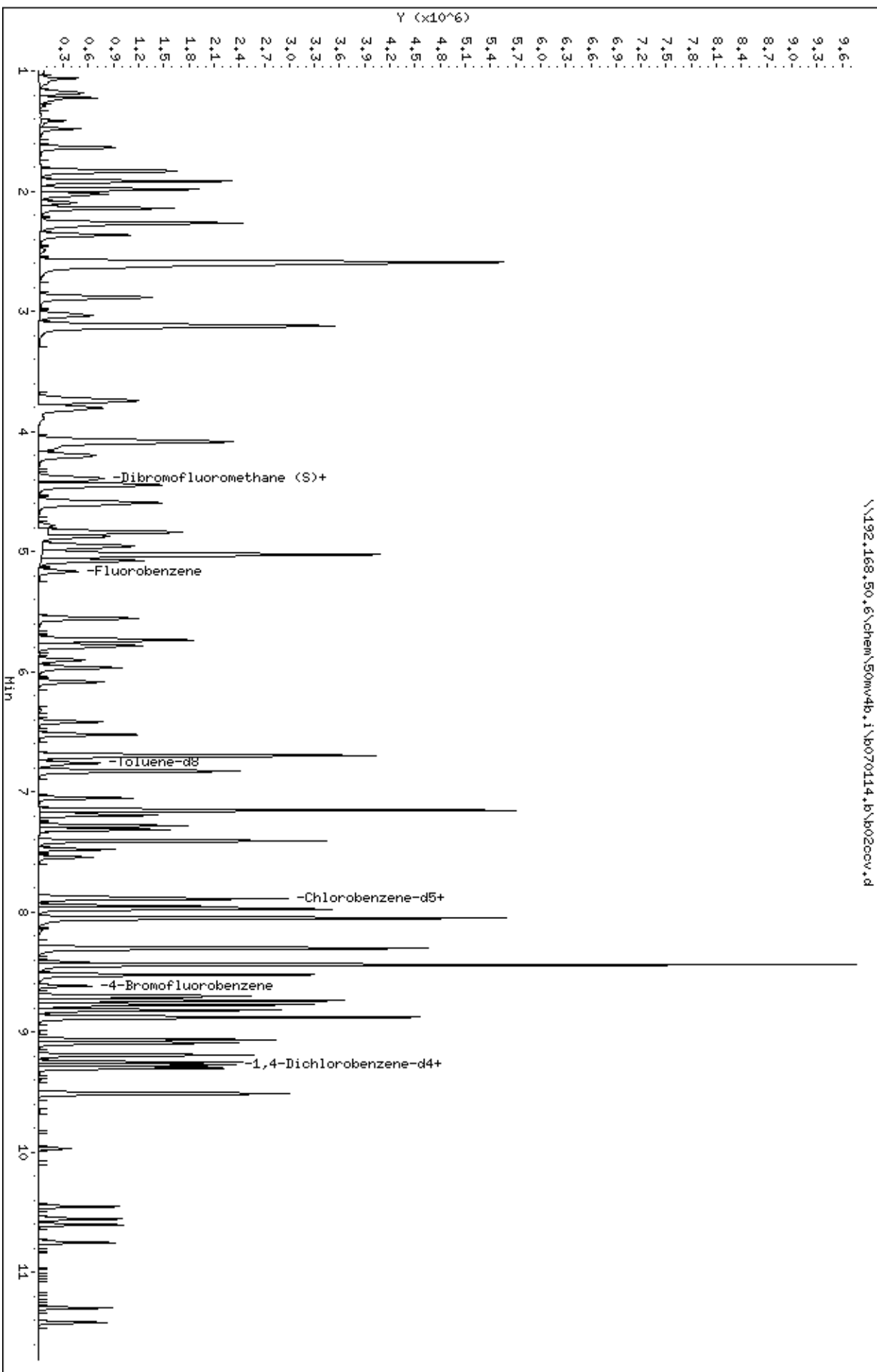
QC Flag Legend

Q - Qualifier signal failed the ratio test.

Data File: \\192.168.50.6\chem\50mw4b.1\B070114.1\B020cv.d
Date: 01-JUL-2014 12:28
Client ID: 8260-CCV
Sample Info: 8260-CCV,71402:0
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50mw4b.1
Operator: rsu
Column diameter: 0.18

\\192.168.50.6\chem\50mw4b.1\B070114.1\B020cv.d



Data File: \\192.168.50.6\chem\50mv4b.i\b070114.b\b02ccv.d
Injection Date: 01-JUL-2014 12:28
Instrument: 50mv4b.i
Lab Sample ID: 8260-CCV
NO SIGNAL MANUAL INTEGRATIONS DONE FOR THIS DATA FILE

Date : 19-JUN-2014 13:56

Client ID: 8260-TUNE,71096;0

Instrument: 50mv3a.i

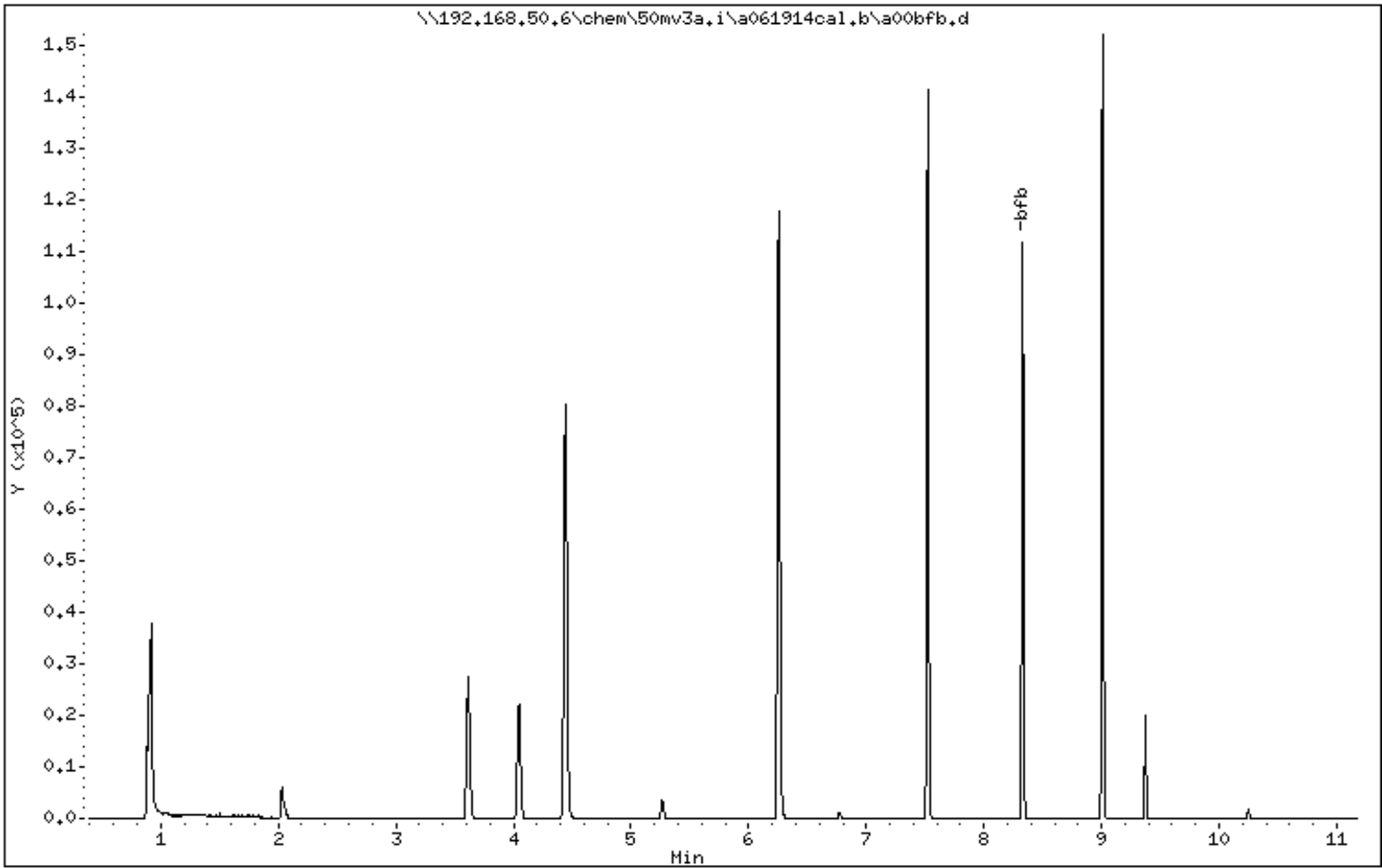
Sample Info: 8260-TUNE,71096;0

Volume Injected (uL): 1.0

Operator: jlz

Column phase:

Column diameter: 2.00



Date : 19-JUN-2014 13:56

Client ID: 8260-TUNE,71096;0

Instrument: 50mv3a.i

Sample Info: 8260-TUNE,71096;0

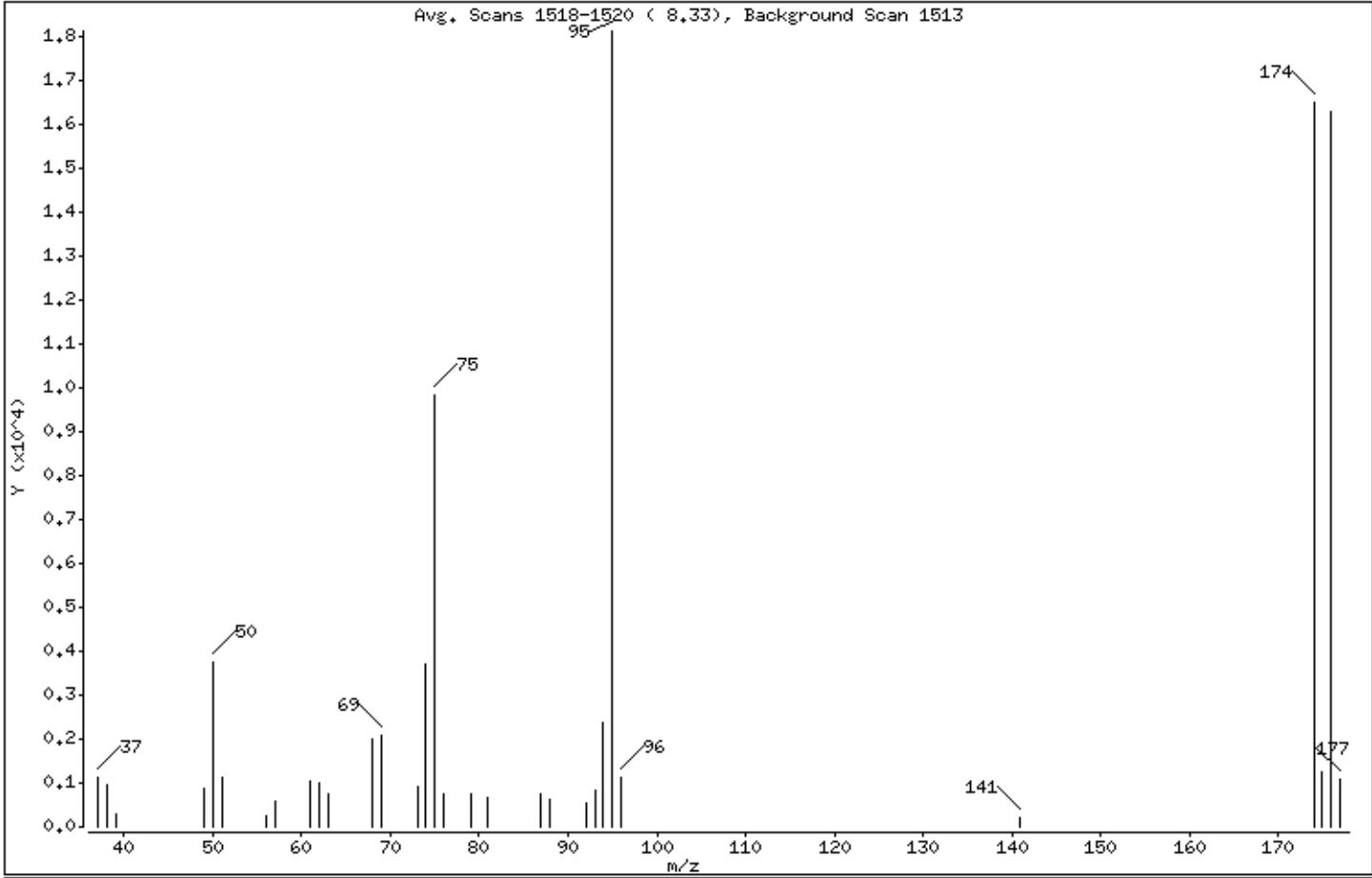
Volume Injected (uL): 1.0

Operator: jlz

Column phase:

Column diameter: 2.00

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	20.76
75	30.00 - 60.00% of mass 95	54.27
96	5.00 - 9.00% of mass 95	6.27
173	Less than 2.00% of mass 174	0.00 (0.00)
174	50.00 - 100.00% of mass 95	90.96
175	5.00 - 9.00% of mass 174	6.92 (7.61)
176	95.00 - 101.00% of mass 174	89.82 (98.75)
177	5.00 - 9.00% of mass 176	5.87 (6.53)

Date : 19-JUN-2014 13:56

Client ID: 8260-TUNE,71096;0

Instrument: 50mv3a.i

Sample Info: 8260-TUNE,71096;0

Volume Injected (uL): 1.0

Operator: jlz

Column phase:

Column diameter: 2.00

Data File: 00bfb.d

Spectrum: Avg. Scans 1518-1520 (8.33), Background Scan 1513

Location of Maximum: 95.00

Number of points: 31

m/z	Y	m/z	Y	m/z	Y	m/z	Y
37.00	1120	61.00	1026	76.00	759	95.00	18136
38.00	970	62.00	1007	79.00	768	96.00	1137
39.00	288	63.00	771	81.00	684	141.00	228
49.00	887	68.00	2013	87.00	746	174.00	16496
50.00	3765	69.00	2069	88.00	642	175.00	1255
51.00	1142	73.00	932	92.00	546	176.00	16289
56.00	240	74.00	3700	93.00	838	177.00	1064
57.00	601	75.00	9843	94.00	2373		

Date : 02-JUL-2014 09:31

Client ID: 8260-TUNE,70930;0

Instrument: 50mv3a.i

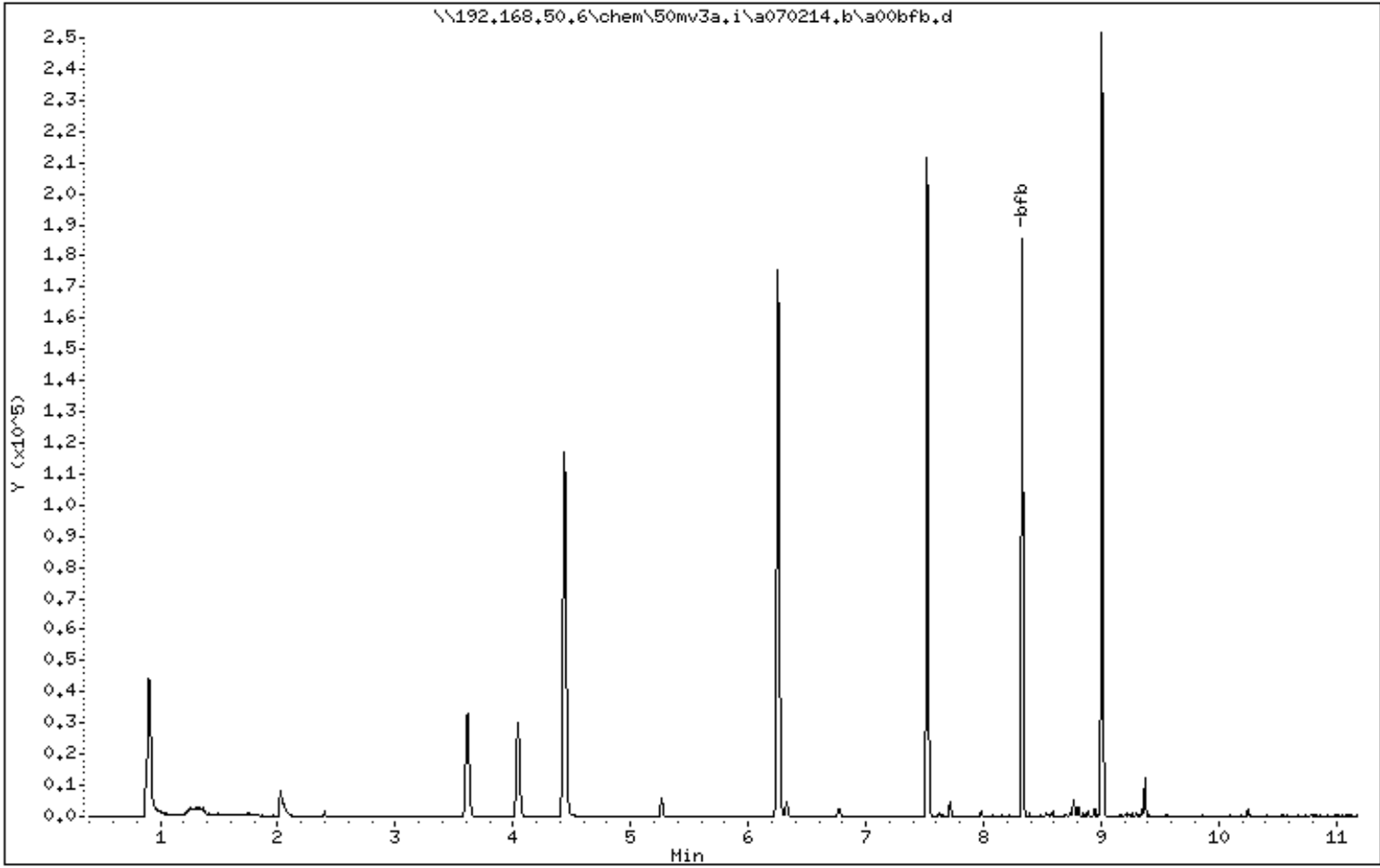
Sample Info: 8260-TUNE,70930;0

Volume Injected (uL): 1.0

Operator: jlz

Column phase:

Column diameter: 2.00



Date : 02-JUL-2014 09:31

Client ID: 8260-TUNE,70930;0

Instrument: 50mv3a.i

Sample Info: 8260-TUNE,70930;0

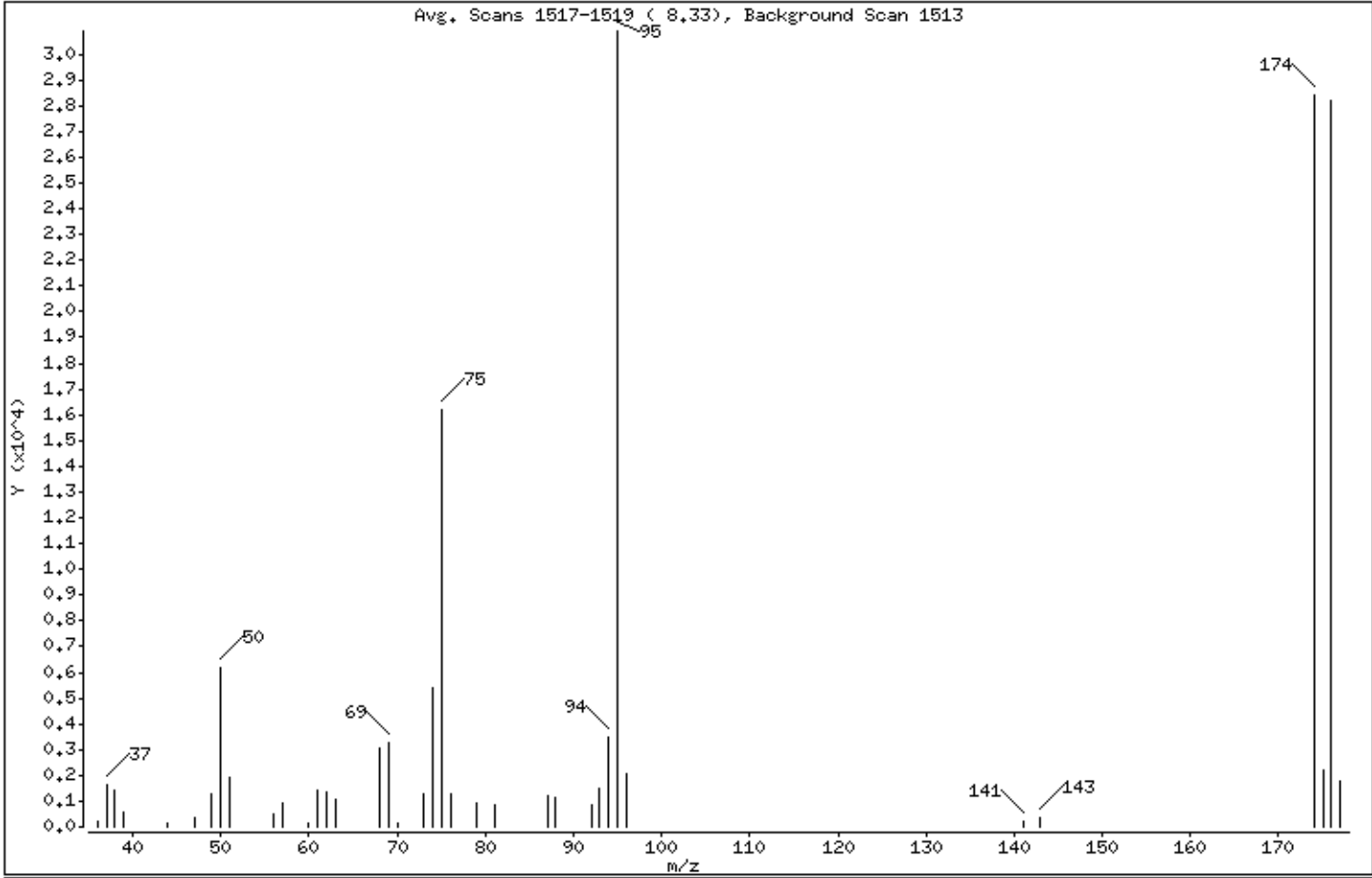
Volume Injected (uL): 1.0

Operator: jlz

Column phase:

Column diameter: 2.00

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	20.03
75	30.00 - 60.00% of mass 95	52.43
96	5.00 - 9.00% of mass 95	6.70
173	Less than 2.00% of mass 174	0.00 (0.00)
174	50.00 - 100.00% of mass 95	92.05
175	5.00 - 9.00% of mass 174	7.22 (7.84)
176	95.00 - 101.00% of mass 174	91.30 (99.18)
177	5.00 - 9.00% of mass 176	5.67 (6.21)

Date : 02-JUL-2014 09:31

Client ID: 8260-TUNE,70930;0

Instrument: 50mv3a.i

Sample Info: 8260-TUNE,70930;0

Volume Injected (uL): 1.0

Operator: jlz

Column phase:

Column diameter: 2.00

Data File: 00bfb.d

Spectrum: Avg. Scans 1517-1519 (8.33), Background Scan 1513

Location of Maximum: 95.00

Number of points: 37

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	213	57.00	921	75.00	16195	96.00	2068
37.00	1612	60.00	132	76.00	1293	141.00	245
38.00	1442	61.00	1448	79.00	915	143.00	323
39.00	554	62.00	1379	81.00	880	174.00	28432
44.00	108	63.00	1077	87.00	1239	175.00	2230
47.00	383	68.00	3034	88.00	1162	176.00	28200
49.00	1302	69.00	3276	92.00	819	177.00	1751
50.00	6188	70.00	130	93.00	1483		
51.00	1929	73.00	1264	94.00	3508		
56.00	497	74.00	5407	95.00	30888		

Date : 02-JUL-2014 21:26

Client ID: 8260-TUNE,70930;0

Instrument: 50mv3a.i

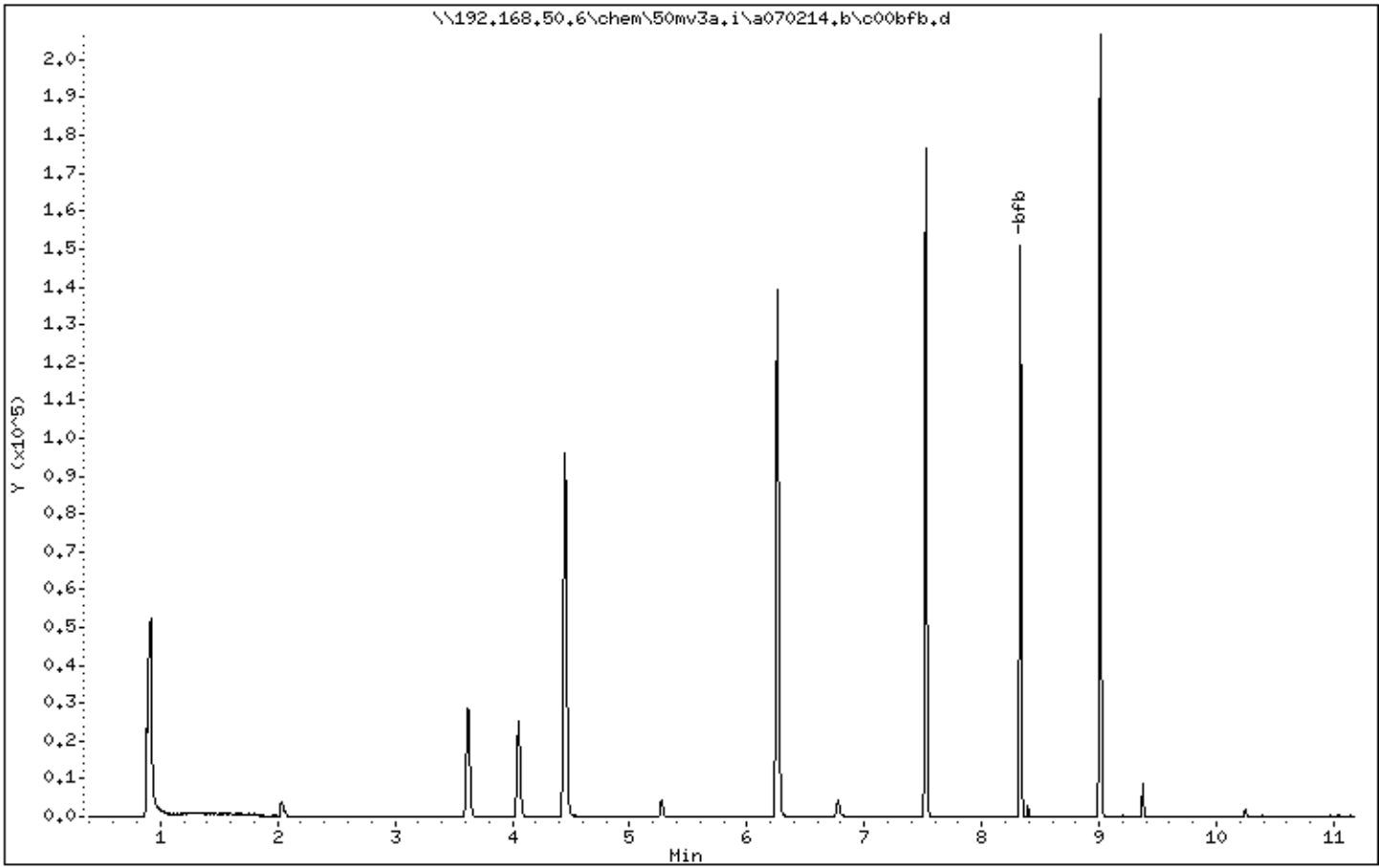
Sample Info: 8260-TUNE,70930;0

Volume Injected (uL): 1.0

Operator: jlz

Column phase:

Column diameter: 2.00



Date : 02-JUL-2014 21:26

Client ID: 8260-TUNE,70930:0

Instrument: 50mv3a.i

Sample Info: 8260-TUNE,70930:0

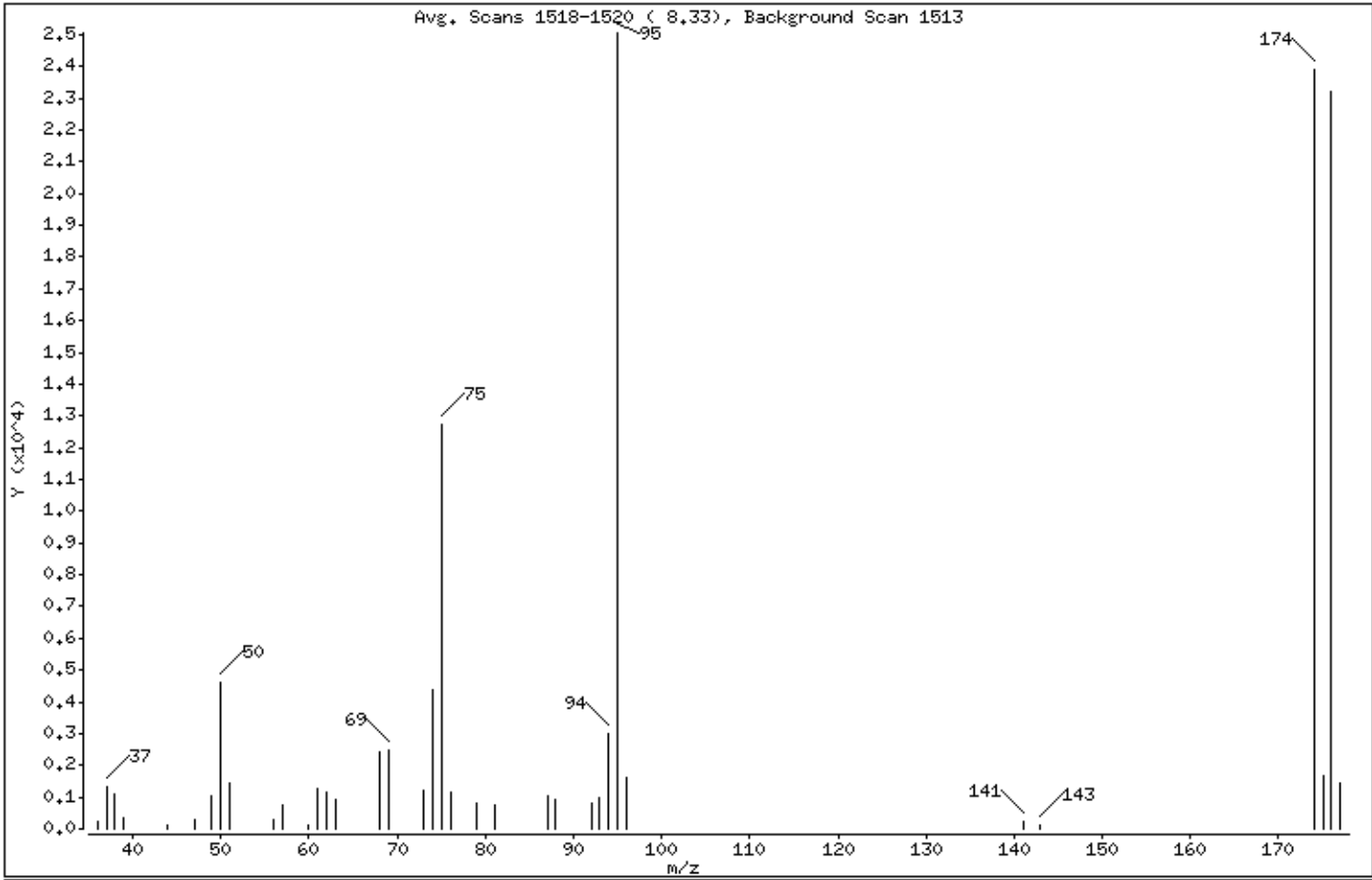
Volume Injected (uL): 1.0

Operator: jlz

Column phase:

Column diameter: 2.00

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	18.40
75	30.00 - 60.00% of mass 95	50.81
96	5.00 - 9.00% of mass 95	6.53
173	Less than 2.00% of mass 174	0.00 (0.00)
174	50.00 - 100.00% of mass 95	95.43
175	5.00 - 9.00% of mass 174	6.68 (7.00)
176	95.00 - 101.00% of mass 174	92.59 (97.02)
177	5.00 - 9.00% of mass 176	5.79 (6.25)

Date : 02-JUL-2014 21:26

Client ID: 8260-TUNE,70930;0

Instrument: 50mv3a.i

Sample Info: 8260-TUNE,70930;0

Volume Injected (uL): 1.0

Operator: jlz

Column phase:

Column diameter: 2.00

Data File: c00bfb.d

Spectrum: Avg. Scans 1518-1520 (8.33), Background Scan 1513

Location of Maximum: 95.00

Number of points: 36

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	226	57.00	760	76.00	1131	141.00	248
37.00	1343	60.00	106	79.00	807	143.00	143
38.00	1080	61.00	1267	81.00	777	174.00	23904
39.00	345	62.00	1179	87.00	1011	175.00	1673
44.00	100	63.00	936	88.00	914	176.00	23192
47.00	275	68.00	2425	92.00	827	177.00	1450
49.00	1052	69.00	2481	93.00	966		
50.00	4609	73.00	1192	94.00	3018		
51.00	1446	74.00	4387	95.00	25048		
56.00	292	75.00	12727	96.00	1635		

Date : 03-JUL-2014 09:52

Client ID: 8260-TUNE,71865;0

Instrument: 50mv3a.i

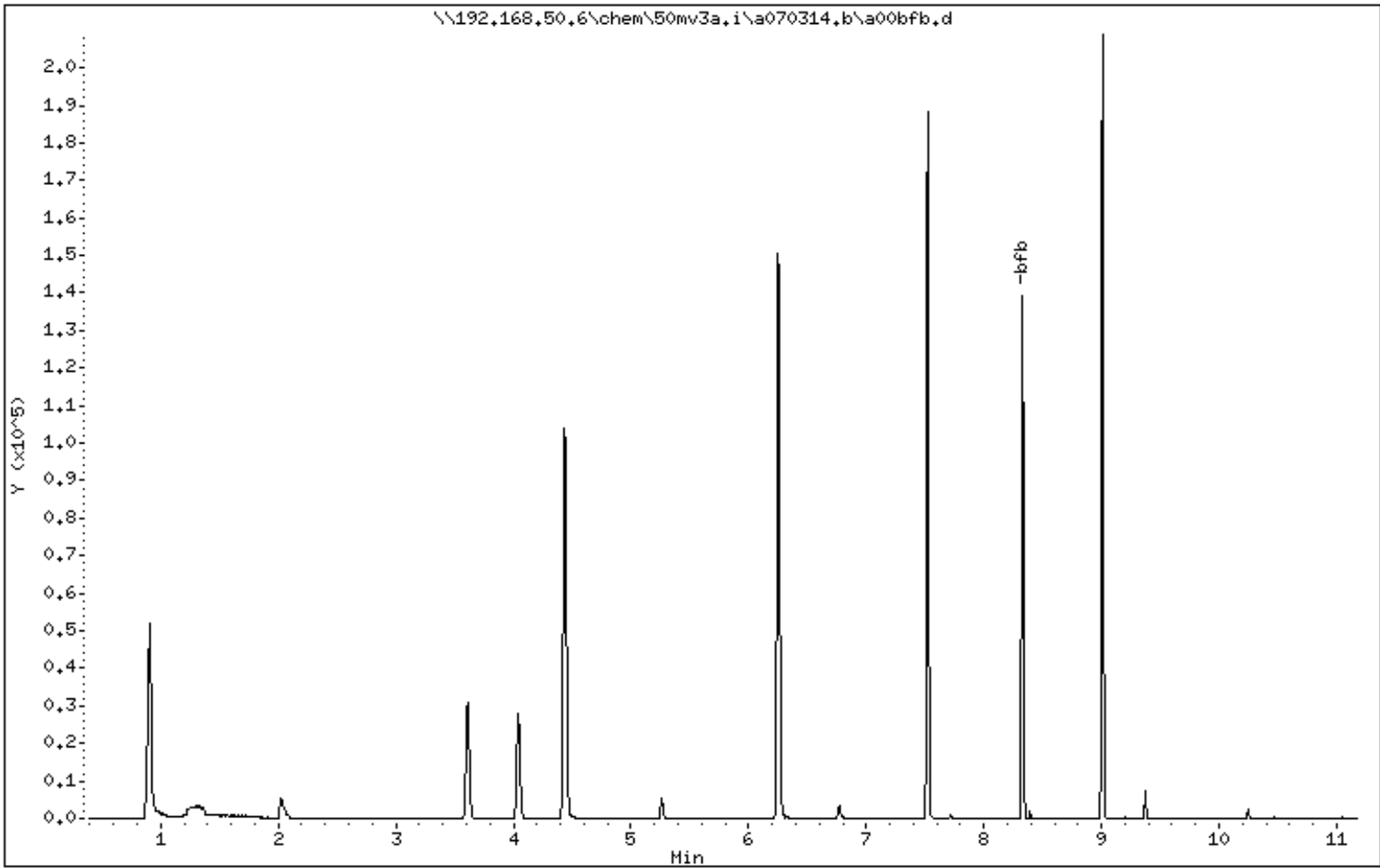
Sample Info: 8260-TUNE,71865;0

Volume Injected (uL): 1.0

Operator: jlz

Column phase:

Column diameter: 2.00



Date : 03-JUL-2014 09:52

Client ID: 8260-TUNE,71865;0

Instrument: 50mv3a.i

Sample Info: 8260-TUNE,71865;0

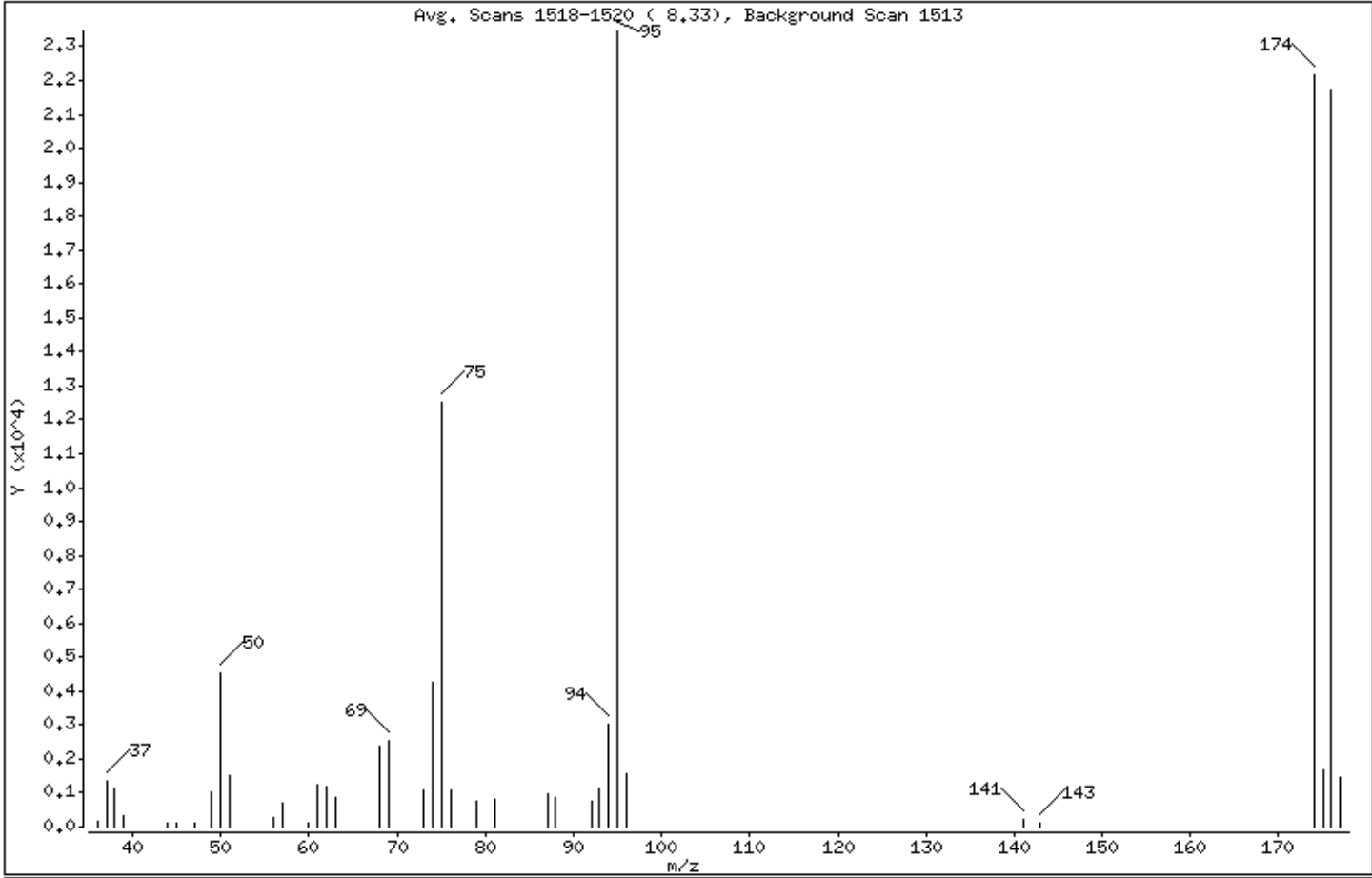
Volume Injected (uL): 1.0

Operator: jlz

Column phase:

Column diameter: 2.00

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100,00
50	15,00 - 40,00% of mass 95	19,30
75	30,00 - 60,00% of mass 95	53,22
96	5,00 - 9,00% of mass 95	6,74
173	Less than 2,00% of mass 174	0,00 (0,00)
174	50,00 - 100,00% of mass 95	94,58
175	5,00 - 9,00% of mass 174	7,02 (7,42)
176	95,00 - 101,00% of mass 174	92,74 (98,05)
177	5,00 - 9,00% of mass 176	6,24 (6,73)

Date : 03-JUL-2014 09:52

Client ID: 8260-TUNE,71865;0

Instrument: 50mv3a.i

Sample Info: 8260-TUNE,71865;0

Volume Injected (uL): 1.0

Operator: jlz

Column phase:

Column diameter: 2.00

Data File: 00bfb.d

Spectrum: Avg. Scans 1518-1520 (8.33), Background Scan 1513

Location of Maximum: 95.00

Number of points: 37

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	154	56.00	267	75.00	12484	96.00	1581
37.00	1357	57.00	718	76.00	1088	141.00	219
38.00	1158	60.00	100	79.00	776	143.00	129
39.00	313	61.00	1241	81.00	808	174.00	22184
44.00	109	62.00	1206	87.00	960	175.00	1647
45.00	101	63.00	842	88.00	878	176.00	21752
47.00	132	68.00	2355	92.00	750	177.00	1463
49.00	1034	69.00	2551	93.00	1112		
50.00	4527	73.00	1093	94.00	2997		
51.00	1503	74.00	4268	95.00	23456		

Date : 25-JUN-2014 15:07

Client ID: 8260-TUNE

Instrument: 50mv4b.i

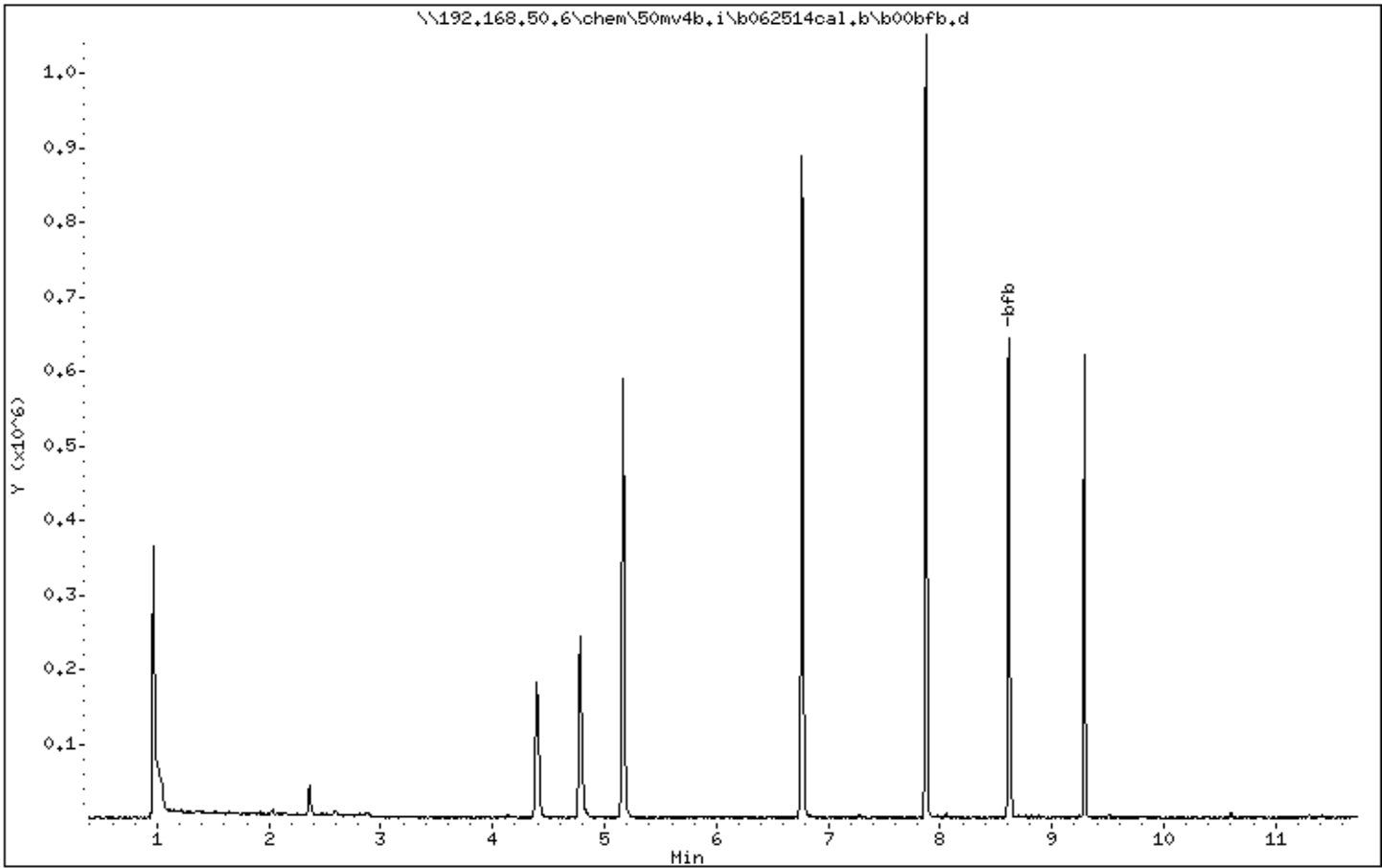
Sample Info: 8260-TUNE,71408;0

Volume Injected (uL): 1.0

Operator: rsw

Column phase:

Column diameter: 2,00



Date : 25-JUN-2014 15:07

Client ID: 8260-TUNE

Instrument: 50mv4b.i

Sample Info: 8260-TUNE,71408;0

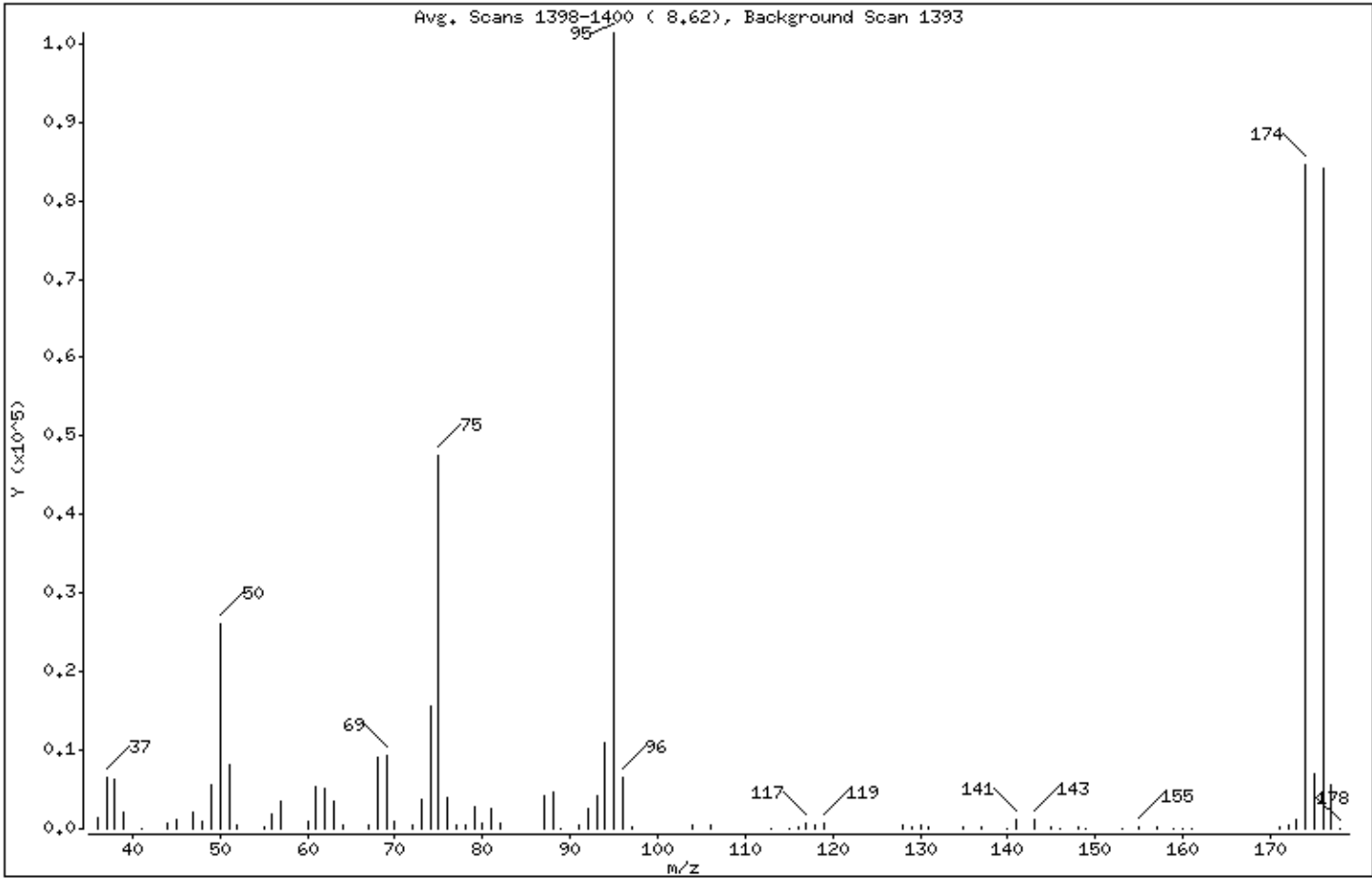
Volume Injected (uL): 1.0

Operator: rsw

Column phase:

Column diameter: 2.00

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	25.77
75	30.00 - 60.00% of mass 95	46.89
96	5.00 - 9.00% of mass 95	6.49
173	Less than 2.00% of mass 174	1.05 (1.26)
174	50.00 - 100.00% of mass 95	83.50
175	5.00 - 9.00% of mass 174	6.80 (8.15)
176	95.00 - 101.00% of mass 174	82.99 (99.39)
177	5.00 - 9.00% of mass 176	5.44 (6.56)

Date : 25-JUN-2014 15:07

Client ID: 8260-TUNE

Instrument: 50mv4b.i

Sample Info: 8260-TUNE,71408:0

Volume Injected (uL): 1.0

Operator: rsw

Column phase:

Column diameter: 2.00

Data File: b00bfb.d

Spectrum: Avg. Scans 1398-1400 (8.62), Background Scan 1393

Location of Maximum: 95.00

Number of points: 81

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	1413	67.00	455	94.00	11008	145.00	193
37.00	6524	68.00	9112	95.00	101336	146.00	106
38.00	6273	69.00	9409	96.00	6574	148.00	261
39.00	2105	70.00	933	97.00	236	149.00	66
41.00	74	72.00	410	104.00	373	153.00	110
44.00	592	73.00	3714	106.00	402	155.00	233
45.00	1127	74.00	15681	113.00	60	157.00	163
47.00	2206	75.00	47512	115.00	93	159.00	68
48.00	1030	76.00	4053	116.00	344	160.00	61
49.00	5681	77.00	374	117.00	775	161.00	69
50.00	26112	78.00	508	118.00	365	171.00	152
51.00	8172	79.00	2740	119.00	665	172.00	534
52.00	412	80.00	754	128.00	351	173.00	1067
55.00	342	81.00	2579	129.00	174	174.00	84616
56.00	1905	82.00	721	130.00	408	175.00	6893
57.00	3530	87.00	4160	131.00	139	176.00	84096
60.00	948	88.00	4668	135.00	203	177.00	5513
61.00	5415	89.00	66	137.00	315	178.00	60
62.00	5208	91.00	377	140.00	62		
63.00	3520	92.00	2493	141.00	1190		
64.00	389	93.00	4291	143.00	1152		

Date : 01-JUL-2014 11:23

Client ID: 8260-TUNE

Instrument: 50mv4b.i

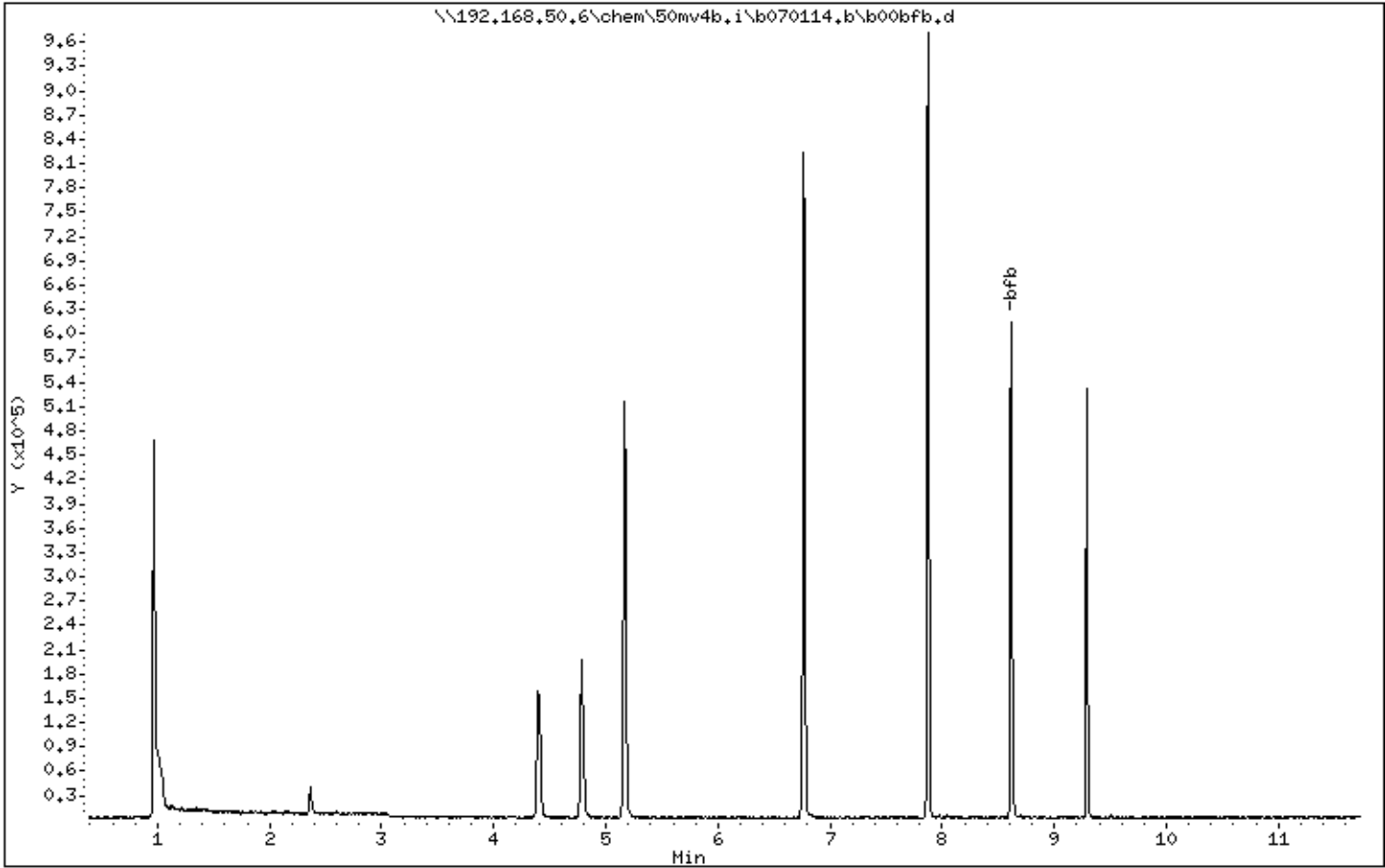
Sample Info: 8260-TUNE,71408;0

Volume Injected (uL): 1.0

Operator: rsw

Column phase:

Column diameter: 2,00



Date : 01-JUL-2014 11:23

Client ID: 8260-TUNE

Instrument: 50mv4b.i

Sample Info: 8260-TUNE,71408;0

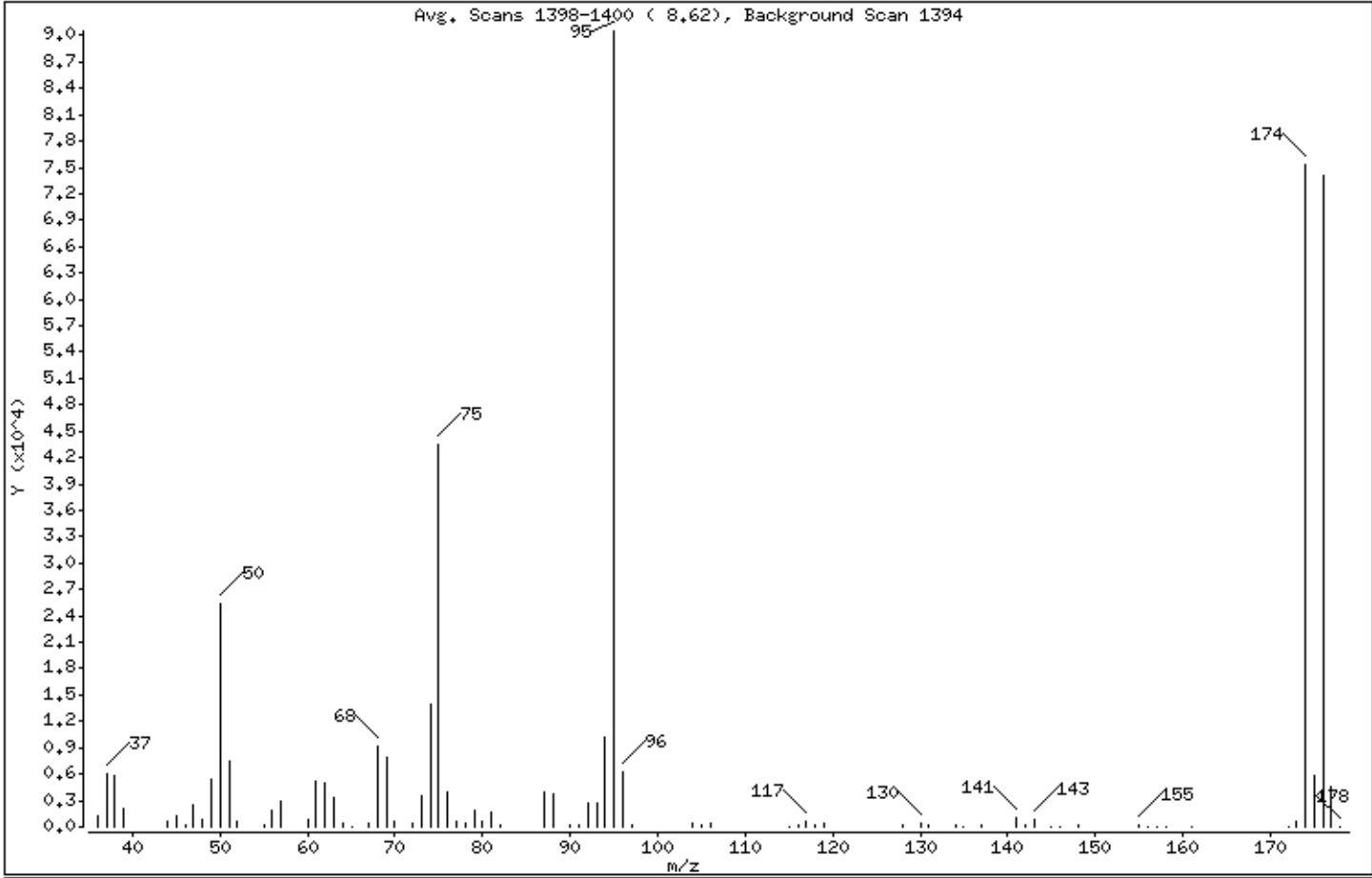
Volume Injected (uL): 1.0

Operator: rsw

Column phase:

Column diameter: 2.00

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	28.04
75	30.00 - 60.00% of mass 95	47.95
96	5.00 - 9.00% of mass 95	6.80
173	Less than 2.00% of mass 174	0.77 (0.92)
174	50.00 - 100.00% of mass 95	83.25
175	5.00 - 9.00% of mass 174	6.36 (7.64)
176	95.00 - 101.00% of mass 174	81.75 (98.20)
177	5.00 - 9.00% of mass 176	5.17 (6.32)

Date : 01-JUL-2014 11:23

Client ID: 8260-TUNE

Instrument: 50mv4b.i

Sample Info: 8260-TUNE,71408:0

Volume Injected (uL): 1.0

Operator: rsw

Column phase:

Column diameter: 2.00

Data File: b00bfb.d

Spectrum: Avg. Scans 1398-1400 (8.62), Background Scan 1394

Location of Maximum: 95.00

Number of points: 79

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	1155	64.00	368	91.00	161	137.00	131
37.00	6128	65.00	75	92.00	2772	141.00	952
38.00	5777	67.00	423	93.00	2713	142.00	142
39.00	2147	68.00	9218	94.00	10124	143.00	838
44.00	564	69.00	7853	95.00	90520	145.00	64
45.00	1258	70.00	711	96.00	6159	146.00	54
46.00	145	72.00	463	97.00	203	148.00	171
47.00	2465	73.00	3614	104.00	443	155.00	238
48.00	914	74.00	13927	105.00	170	156.00	64
49.00	5371	75.00	43400	106.00	358	157.00	61
50.00	25384	76.00	3998	115.00	51	158.00	71
51.00	7532	77.00	561	116.00	264	161.00	55
52.00	624	78.00	484	117.00	611	172.00	86
55.00	186	79.00	1856	118.00	291	173.00	694
56.00	1787	80.00	701	119.00	427	174.00	75360
57.00	2819	81.00	1642	128.00	267	175.00	5754
60.00	909	82.00	186	130.00	481	176.00	74000
61.00	5174	87.00	3921	131.00	129	177.00	4678
62.00	5066	88.00	3656	134.00	146	178.00	90
63.00	3431	90.00	150	135.00	75		

MSV - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

BLANK

Lab Name: Pace Analytical - Indiana
Date Received: _____
Date Extracted: 07/02/2014 11:09
Date Analyzed: 07/02/2014 11:09
Initial wt/vol: 5 g Final wt/vol: 5 mL Dilution: 1

Contract: Sibley-Accucast/2339-356-03-00
Matrix: Solid SDG No.: 5099688
Lab Sample ID: 1122044
Lab File ID: A070214.BVA03MBSX.D
Instrument: 50MV3A Percent Moisture: _____

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
67-64-1	Acetone	ND	U
107-02-8	Acrolein	ND	U
107-13-1	Acrylonitrile	ND	U
71-43-2	Benzene	ND	U
108-86-1	Bromobenzene	ND	U
74-97-5	Bromochloromethane	ND	U
75-27-4	Bromodichloromethane	ND	U
75-25-2	Bromoform	ND	U
74-83-9	Bromomethane	ND	U
78-93-3	2-Butanone (MEK)	ND	U
104-51-8	n-Butylbenzene	ND	U
135-98-8	sec-Butylbenzene	ND	U
98-06-6	tert-Butylbenzene	ND	U
75-15-0	Carbon disulfide	ND	U
56-23-5	Carbon tetrachloride	ND	U
108-90-7	Chlorobenzene	ND	U
75-00-3	Chloroethane	ND	U
67-66-3	Chloroform	ND	U
74-87-3	Chloromethane	ND	U
95-49-8	2-Chlorotoluene	ND	U
106-43-4	4-Chlorotoluene	ND	U
124-48-1	Dibromochloromethane	ND	U
106-93-4	1,2-Dibromoethane (EDB)	ND	U
74-95-3	Dibromomethane	ND	U
95-50-1	1,2-Dichlorobenzene	ND	U
541-73-1	1,3-Dichlorobenzene	ND	U
106-46-7	1,4-Dichlorobenzene	ND	U
110-57-6	trans-1,4-Dichloro-2-butene	ND	U
75-71-8	Dichlorodifluoromethane	ND	U
75-34-3	1,1-Dichloroethane	ND	U
107-06-2	1,2-Dichloroethane	ND	U
75-35-4	1,1-Dichloroethene	ND	U
156-59-2	cis-1,2-Dichloroethene	ND	U
156-60-5	trans-1,2-Dichloroethene	ND	U
78-87-5	1,2-Dichloropropane	ND	U
142-28-9	1,3-Dichloropropane	ND	U
594-20-7	2,2-Dichloropropane	ND	U

07/21/2014 10:54

MSV - FORM I VOA-2
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

BLANK

Lab Name: Pace Analytical - Indiana
Date Received: _____
Date Extracted: 07/02/2014 11:09
Date Analyzed: 07/02/2014 11:09
Initial wt/vol: 5 g Final wt/vol: 5 mL Dilution: 1

Contract: Sibley-Accucast/2339-356-03-00
Matrix: Solid SDG No.: 5099688
Lab Sample ID: 1122044
Lab File ID: A070214.BVA03MBSX.D
Instrument: 50MV3A Percent Moisture: _____

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
563-58-6	1,1-Dichloropropene	ND	U
10061-01-5	cis-1,3-Dichloropropene	ND	U
10061-02-6	trans-1,3-Dichloropropene	ND	U
100-41-4	Ethylbenzene	ND	U
97-63-2	Ethyl methacrylate	ND	U
87-68-3	Hexachloro-1,3-butadiene	ND	U
110-54-3	n-Hexane	ND	U
591-78-6	2-Hexanone	ND	U
74-88-4	Iodomethane	ND	U
98-82-8	Isopropylbenzene (Cumene)	ND	U
99-87-6	p-Isopropyltoluene	ND	U
75-09-2	Methylene Chloride	ND	U
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	U
1634-04-4	Methyl-tert-butyl ether	ND	U
91-20-3	Naphthalene	ND	U
103-65-1	n-Propylbenzene	ND	U
100-42-5	Styrene	ND	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	U
127-18-4	Tetrachloroethene	ND	U
108-88-3	Toluene	ND	U
87-61-6	1,2,3-Trichlorobenzene	ND	U
120-82-1	1,2,4-Trichlorobenzene	ND	U
71-55-6	1,1,1-Trichloroethane	ND	U
79-00-5	1,1,2-Trichloroethane	ND	U
79-01-6	Trichloroethene	ND	U
75-69-4	Trichlorofluoromethane	ND	U
96-18-4	1,2,3-Trichloropropane	ND	U
95-63-6	1,2,4-Trimethylbenzene	ND	U
108-67-8	1,3,5-Trimethylbenzene	ND	U
108-05-4	Vinyl acetate	ND	U
75-01-4	Vinyl chloride	ND	U
1330-20-7	Xylene (Total)	ND	U

07/21/2014 10:54

Pace Analytical Services, Inc.

Data file : \\192.168.50.6\chem\50mv3a.i\a070214.b\a03mbsx.d
 Lab Smp Id: 1122044 Client Smp ID: MB
 Inj Date : 02-JUL-2014 11:09
 Operator : jlz Inst ID: 50mv3a.i
 Smp Info : 1122044
 Misc Info : 66411
 Comment :
 Method : \\192.168.50.6\chem\50mv3a.i\a070214.b\ -a8260_a_c.m
 Meth Date : 03-Jul-2014 11:07 50mv3a.i Quant Type: ISTD
 Cal Date : 19-JUN-2014 18:33 Cal File: a08cal.d
 Als bottle: 7 QC Sample: BLANK
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: all.sub
 Target Version: 4.14

Concentration Formula: Amt * DF * Uf/(Ws*(100-M)/100)) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Ws	5.000	Weight of sample extracted (g)
M	0.00000	% Moisture (not decanted)
Va	0.00000	Volume of aliquot extract added (uL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT	SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS		REVIEW C
							ON-COLUMN (ug/L)	FINAL (ppb)	
\$ 32 Dibromofluoromethane (S)	113		3.622	3.626	(0.814)	21738	46.9143	46.9	
* 41 Fluorobenzene (IS)	96		4.448	4.452	(1.000)	99668	50.0000		
\$ 52 Toluene-d8 (S)	98		6.258	6.256	(0.832)	96945	46.9155	46.9	
* 62 Chlorobenzene-D5 (IS)	117		7.523	7.522	(1.000)	77806	50.0000		
\$ 71 4-Bromofluorobenzene (S)	95		8.329	8.328	(1.107)	35809	49.3561	49.4	
* 85 1,4-Dichlorobenzene-d4 (IS)	152		9.009	9.008	(1.000)	44318	50.0000		

Data File: \\192.168.50.6\chem\50wv3a.1\9070214.b\903mbssx.d
Date : 02-JUL-2014 11:09
Client ID: HB
Sample Info: 1122044

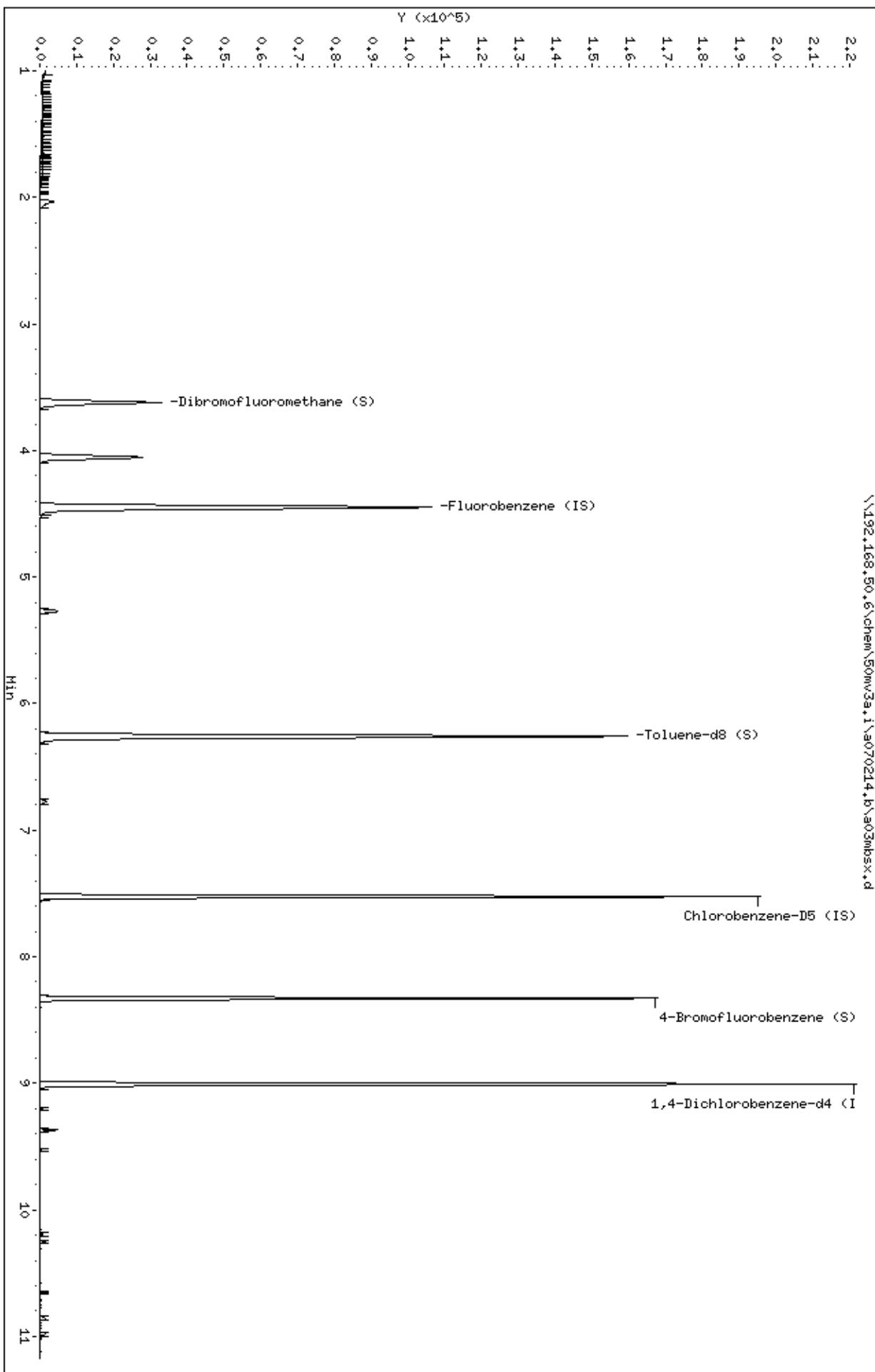
Column phase: DB-624

Instrument: 50wv3a.1

Operator: JIZ

Column diameter: 0.18

Page 2



Data File: \\192.168.50.6\chem\50mv3a.i\a070214.b/a03mbsx.d
Injection Date: 02-JUL-2014 11:09
Instrument: 50mv3a.i
Lab Sample ID: 1122044
NO SIGNAL MANUAL INTEGRATIONS DONE FOR THIS DATA FILE

MSV - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

BLANK

Lab Name: Pace Analytical - Indiana
Date Received: _____
Date Extracted: 07/02/2014 23:03
Date Analyzed: 07/02/2014 23:03
Initial wt/vol: 5 g Final wt/vol: 5 mL Dilution: 1

Contract: Sibley-Accucast/2339-356-03-00
Matrix: Solid SDG No.: 5099688
Lab Sample ID: 1122064
Lab File ID: A070214.B\C03MBS.D
Instrument: 50MV3A Percent Moisture: _____

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
67-64-1	Acetone	ND	U
107-02-8	Acrolein	ND	U
107-13-1	Acrylonitrile	ND	U
71-43-2	Benzene	ND	U
108-86-1	Bromobenzene	ND	U
74-97-5	Bromochloromethane	ND	U
75-27-4	Bromodichloromethane	ND	U
75-25-2	Bromoform	ND	U
74-83-9	Bromomethane	ND	U
78-93-3	2-Butanone (MEK)	ND	U
104-51-8	n-Butylbenzene	ND	U
135-98-8	sec-Butylbenzene	ND	U
98-06-6	tert-Butylbenzene	ND	U
75-15-0	Carbon disulfide	ND	U
56-23-5	Carbon tetrachloride	ND	U
108-90-7	Chlorobenzene	ND	U
75-00-3	Chloroethane	ND	U
67-66-3	Chloroform	ND	U
74-87-3	Chloromethane	ND	U
95-49-8	2-Chlorotoluene	ND	U
106-43-4	4-Chlorotoluene	ND	U
124-48-1	Dibromochloromethane	ND	U
106-93-4	1,2-Dibromoethane (EDB)	ND	U
74-95-3	Dibromomethane	ND	U
95-50-1	1,2-Dichlorobenzene	ND	U
541-73-1	1,3-Dichlorobenzene	ND	U
106-46-7	1,4-Dichlorobenzene	ND	U
110-57-6	trans-1,4-Dichloro-2-butene	ND	U
75-71-8	Dichlorodifluoromethane	ND	U
75-34-3	1,1-Dichloroethane	ND	U
107-06-2	1,2-Dichloroethane	ND	U
75-35-4	1,1-Dichloroethene	ND	U
156-59-2	cis-1,2-Dichloroethene	ND	U
156-60-5	trans-1,2-Dichloroethene	ND	U
78-87-5	1,2-Dichloropropane	ND	U
142-28-9	1,3-Dichloropropane	ND	U
594-20-7	2,2-Dichloropropane	ND	U

07/21/2014 10:54

MSV - FORM I VOA-2
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

BLANK

Lab Name: Pace Analytical - Indiana
Date Received: _____
Date Extracted: 07/02/2014 23:03
Date Analyzed: 07/02/2014 23:03
Initial wt/vol: 5 g Final wt/vol: 5 mL Dilution: 1

Contract: Sibley-Accucast/2339-356-03-00
Matrix: Solid SDG No.: 5099688
Lab Sample ID: 1122064
Lab File ID: A070214.B\C03MBS.D
Instrument: 50MV3A Percent Moisture: _____

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
563-58-6	1,1-Dichloropropene	ND	U
10061-01-5	cis-1,3-Dichloropropene	ND	U
10061-02-6	trans-1,3-Dichloropropene	ND	U
100-41-4	Ethylbenzene	ND	U
97-63-2	Ethyl methacrylate	ND	U
87-68-3	Hexachloro-1,3-butadiene	ND	U
110-54-3	n-Hexane	ND	U
591-78-6	2-Hexanone	ND	U
74-88-4	Iodomethane	ND	U
98-82-8	Isopropylbenzene (Cumene)	ND	U
99-87-6	p-Isopropyltoluene	ND	U
75-09-2	Methylene Chloride	ND	U
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	U
1634-04-4	Methyl-tert-butyl ether	ND	U
91-20-3	Naphthalene	ND	U
103-65-1	n-Propylbenzene	ND	U
100-42-5	Styrene	ND	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	U
127-18-4	Tetrachloroethene	ND	U
108-88-3	Toluene	ND	U
87-61-6	1,2,3-Trichlorobenzene	ND	U
120-82-1	1,2,4-Trichlorobenzene	ND	U
71-55-6	1,1,1-Trichloroethane	ND	U
79-00-5	1,1,2-Trichloroethane	ND	U
79-01-6	Trichloroethene	ND	U
75-69-4	Trichlorofluoromethane	ND	U
96-18-4	1,2,3-Trichloropropane	ND	U
95-63-6	1,2,4-Trimethylbenzene	ND	U
108-67-8	1,3,5-Trimethylbenzene	ND	U
108-05-4	Vinyl acetate	ND	U
75-01-4	Vinyl chloride	ND	U
1330-20-7	Xylene (Total)	ND	U

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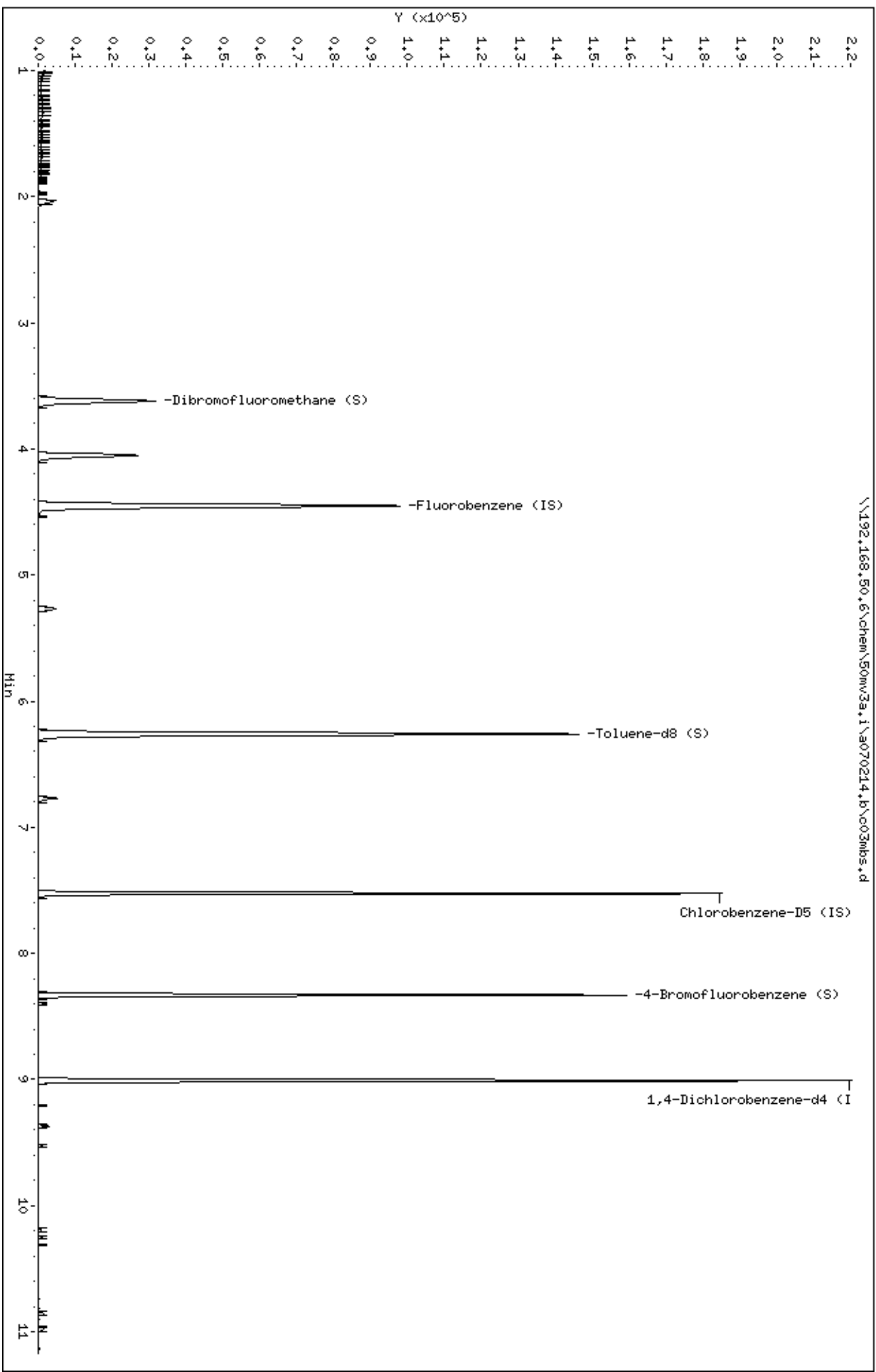
Pace Analytical Services, Inc.

Data file : \\192.168.50.6\chem\50mv3a.i\070214.b\c03mbs.d
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 Inj Date : 02-JUL-2014 23:03
 Operator : jlz Inst ID: 50mv3a.i
 Smp Info : 1122064
 Misc Info : 66414
 Comment :
 Method : \\192.168.50.6\chem\50mv3a.i\070214.b\08260_a_c.m
 Meth Date : 03-Jul-2014 11:07 50mv3a.i Quant Type: ISTD
 Cal Date : 19-JUN-2014 18:33 Cal File: a08cal.d
 Als bottle: 51 QC Sample: BLANK
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: all.sub
 Target Version: 4.14

Concentration Formula: Amt * DF * Uf/(Ws*(100-M)/100)) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Ws	5.000	Weight of sample extracted (g)
M	0.00000	% Moisture (not decanted)
Va	0.00000	Volume of aliquot extract added (uL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT	SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS		REVIEW C
							ON-COLUMN (ug/L)	FINAL (ppb)	
\$ 32 Dibromofluoromethane (S)	113		3.620	3.626	(0.813)	19864	47.2247	47.2	
* 41 Fluorobenzene (IS)	96		4.451	4.452	(1.000)	90477	50.0000		
\$ 52 Toluene-d8 (S)	98		6.261	6.256	(0.832)	90075	47.0922	47.1	
* 62 Chlorobenzene-D5 (IS)	117		7.521	7.522	(1.000)	72021	50.0000		
\$ 71 4-Bromofluorobenzene (S)	95		8.332	8.328	(1.108)	33191	49.4223	49.4	
* 85 1,4-Dichlorobenzene-d4 (IS)	152		9.007	9.008	(1.000)	40837	50.0000		



Data File: \\192.168.50.6\chem\50mv3a.i\a070214.b/c03mbs.d
Injection Date: 02-JUL-2014 23:03
Instrument: 50mv3a.i
Lab Sample ID: 1122064
NO SIGNAL MANUAL INTEGRATIONS DONE FOR THIS DATA FILE

MSV - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

BLANK

Lab Name: Pace Analytical - Indiana

Contract: Sibley-Accucast/2339-356-03-00

Date Received: _____

Matrix: Water SDG No.: 5099688

Date Extracted: 07/01/2014 13:33

Lab Sample ID: 1121182

Date Analyzed: 07/01/2014 13:33

Lab File ID: B070114.B\B04MB.D

Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1

Instrument: 50MV4B Percent Moisture: _____

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
67-64-1	Acetone	ND	U
71-43-2	Benzene	ND	U
75-27-4	Bromodichloromethane	ND	U
75-25-2	Bromoform	ND	U
74-83-9	Bromomethane	ND	U
78-93-3	2-Butanone (MEK)	ND	U
75-15-0	Carbon disulfide	ND	U
56-23-5	Carbon tetrachloride	ND	U
108-90-7	Chlorobenzene	ND	U
75-00-3	Chloroethane	ND	U
67-66-3	Chloroform	ND	U
74-87-3	Chloromethane	ND	U
124-48-1	Dibromochloromethane	ND	U
106-93-4	1,2-Dibromoethane (EDB)	ND	U
95-50-1	1,2-Dichlorobenzene	ND	U
541-73-1	1,3-Dichlorobenzene	ND	U
106-46-7	1,4-Dichlorobenzene	ND	U
75-71-8	Dichlorodifluoromethane	ND	U
75-34-3	1,1-Dichloroethane	ND	U
107-06-2	1,2-Dichloroethane	ND	U
75-35-4	1,1-Dichloroethene	ND	U
156-59-2	cis-1,2-Dichloroethene	ND	U
156-60-5	trans-1,2-Dichloroethene	ND	U
78-87-5	1,2-Dichloropropane	ND	U
10061-01-5	cis-1,3-Dichloropropene	ND	U
10061-02-6	trans-1,3-Dichloropropene	ND	U
100-41-4	Ethylbenzene	ND	U
591-78-6	2-Hexanone	ND	U
98-82-8	Isopropylbenzene (Cumene)	ND	U
75-09-2	Methylene Chloride	ND	U
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	U
1634-04-4	Methyl-tert-butyl ether	ND	U
100-42-5	Styrene	ND	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	U
127-18-4	Tetrachloroethene	ND	U
108-88-3	Toluene	ND	U
120-82-1	1,2,4-Trichlorobenzene	ND	U

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MSV - FORM I VOA-2
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

BLANK

Lab Name: Pace Analytical - Indiana Contract: Sibley-Accucast/2339-356-03-00
Date Received: _____ Matrix: Water SDG No.: 5099688
Date Extracted: 07/01/2014 13:33 Lab Sample ID: 1121182
Date Analyzed: 07/01/2014 13:33 Lab File ID: B070114.B\B04MB.D
Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1 Instrument: 50MV4B Percent Moisture: _____

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
71-55-6	1,1,1-Trichloroethane	ND	U
79-00-5	1,1,2-Trichloroethane	ND	U
79-01-6	Trichloroethene	ND	U
75-69-4	Trichlorofluoromethane	ND	U
75-01-4	Vinyl chloride	ND	U
1330-20-7	Xylene (Total)	ND	U

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Pace Analytical Services, Inc.

Data file : \\192.168.50.6\chem\50mv4b.i\b070114.b\b04mb.d
 Lab Smp Id: 1121306 Client Smp ID: 1121306
 Inj Date : 01-JUL-2014 13:33
 Operator : rsw Inst ID: 50mv4b.i
 Smp Info : 1121306
 Misc Info : 66372
 Comment :
 Method : \\192.168.50.6\chem\50mv4b.i\b070114.b\b04mb.d
 Meth Date : 02-Jul-2014 09:49 50mv4b.i Quant Type: ISTD
 Cal Date : 30-JUN-2014 16:17 Cal File: b09.d
 Als bottle: 10 QC Sample: BLANK
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: all.sub
 Target Version: 4.14

Concentration Formula: Amt * DF * Uf/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

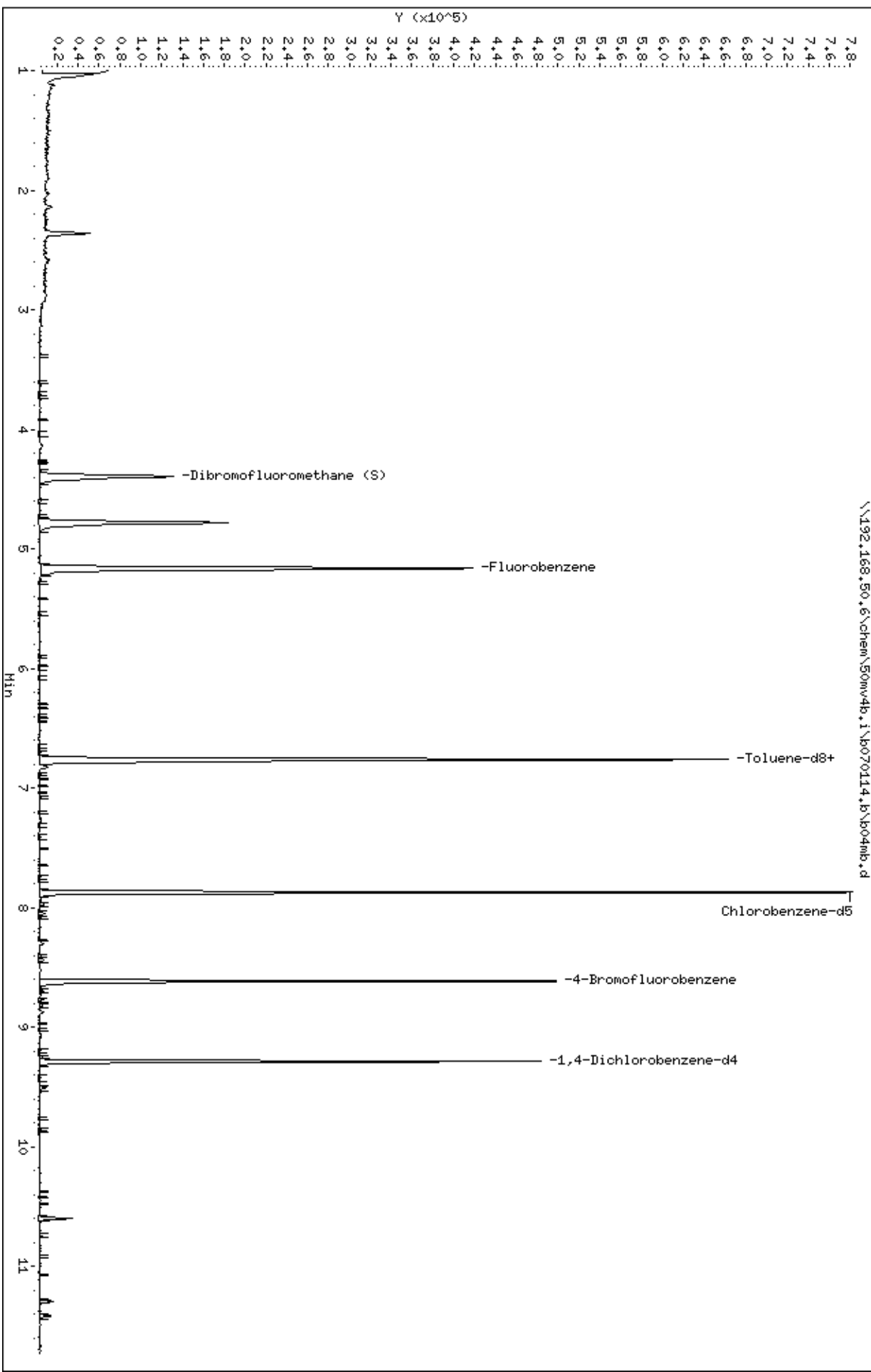
Compounds	QUANT	SIG	MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS		REVIEW C
								ON-COLUMN (ppb)	FINAL (ppb)	
6 Trichlorofluoromethane	101		1.639	1.639	(0.318)		134	0.01425	0.0142	
9 Acrolein	56		1.910	1.922	(0.370)		564	0.41893	0.419(Q)	
14 Carbon Disulfide	76		2.145	2.145	(0.416)		2952	0.24346	0.243	
18 Methylene Chloride	84		2.363	2.369	(0.458)		11245	0.21483	0.215	
33 Tetrahydrofuran	42		4.133	4.139	(0.801)		1535	0.43598	0.436	
\$ 36 Dibromofluoromethane (S)	113		4.398	4.404	(0.852)		83195	48.8306	48.8	
40 Benzene	78		4.827	4.839	(0.935)		1075	0.04921	0.0492	
* 44 Fluorobenzene	96		5.162	5.168	(1.000)		323174	50.0000		
\$ 55 Toluene-d8	98		6.762	6.763	(0.859)		316124	48.1650	48.2	
56 Toluene	91		6.821	6.827	(0.866)		3155	0.12871	0.129	
* 65 Chlorobenzene-d5	117		7.874	7.874	(1.000)		262904	50.0000		
68 Ethylbenzene	106		7.974	7.974	(1.013)		588	0.07097	0.0710	
69 m&p-Xylene	106		8.050	8.051	(1.022)		991	0.10363	0.104	
\$ 74 4-Bromofluorobenzene	95		8.609	8.615	(1.093)		102883	46.3328	46.3	
* 88 1,4-Dichlorobenzene-d4	152		9.286	9.286	(1.000)		75547	50.0000	(Q)	
95 Naphthalene	128		10.597	10.603	(1.141)		15624	5.46484	5.46	
96 1,2,3-Trichlorobenzene	180		10.739	10.750	(1.156)		705	2.28385	2.28	
97 2,methyl-naphthalene	142		11.297	11.298	(1.217)		4744	5.81324	5.81	
98 1-Methylnaphthalene	142		11.415	11.415	(2.211)		3576	5.04050	5.04	

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Review Codes Legend

:



Date : 01-JUL-2014 13:33

Client ID: 1121306

Instrument: 50mv4b.i

Sample Info: 1121306

Purge Volume: 5.0

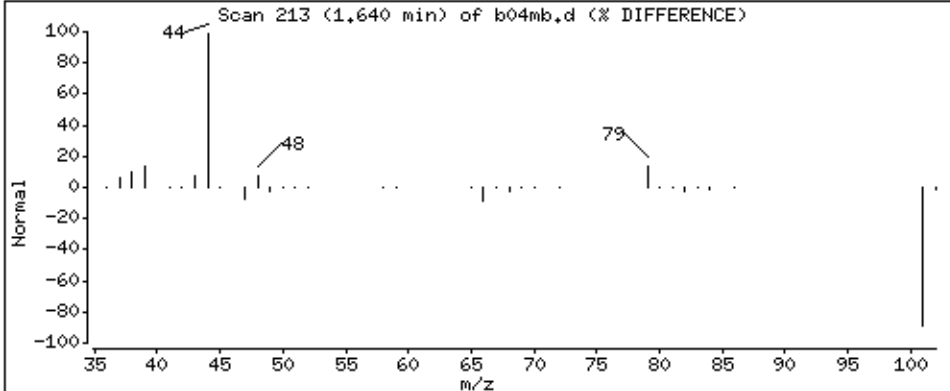
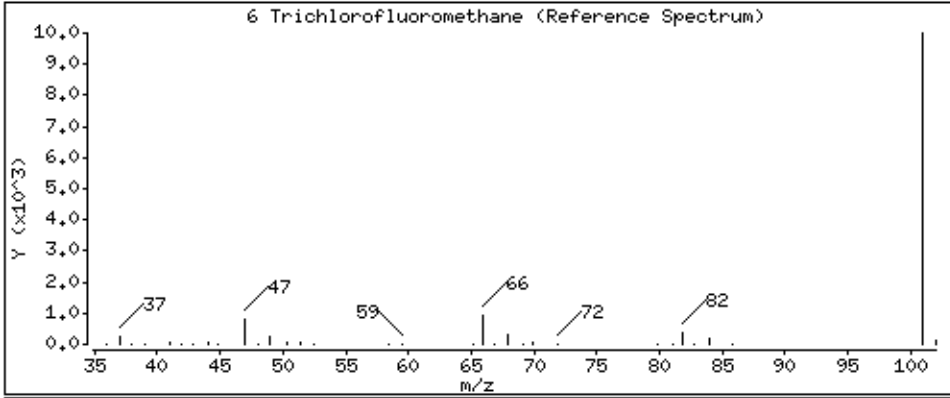
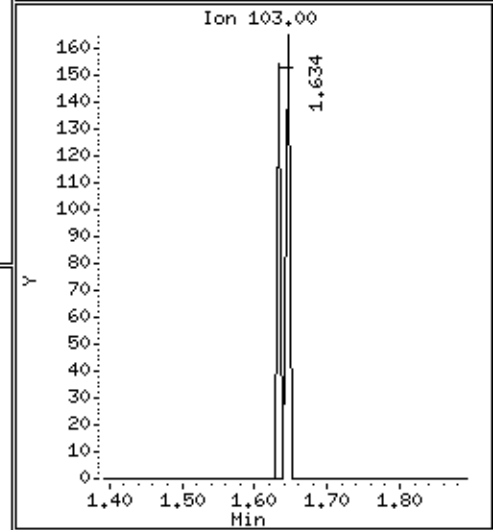
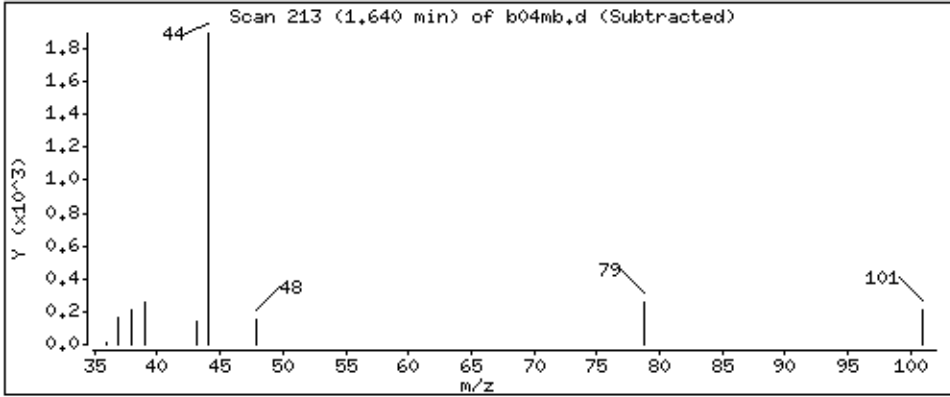
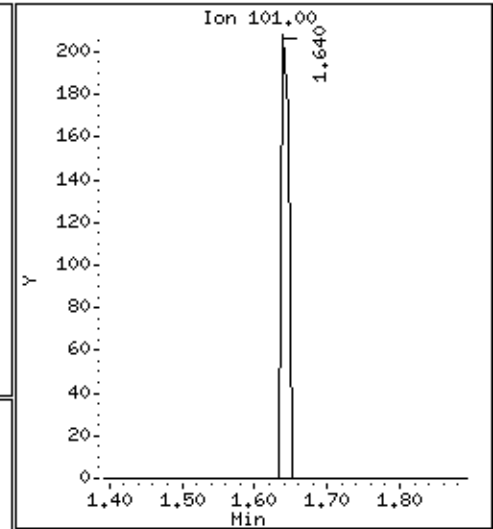
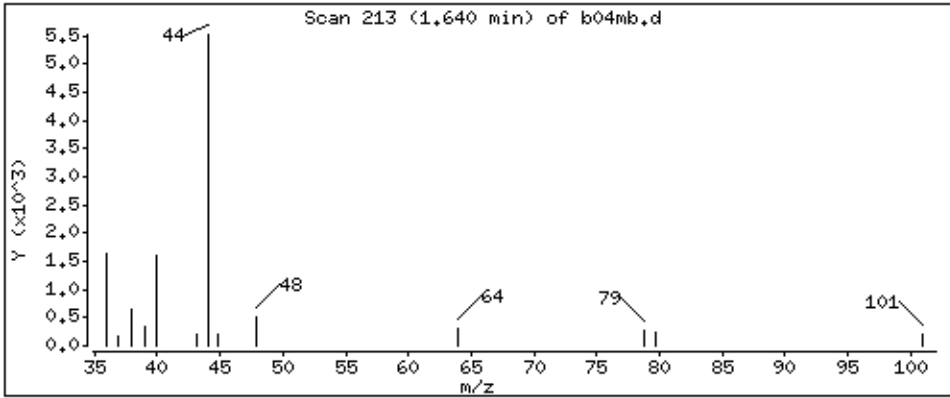
Operator: rsw

Column phase: DB-624

Column diameter: 0,18

6 Trichlorofluoromethane

Concentration: 0,0142 ppb



Date : 01-JUL-2014 13:33

Client ID: 1121306

Instrument: 50mv4b.i

Sample Info: 1121306

Purge Volume: 5.0

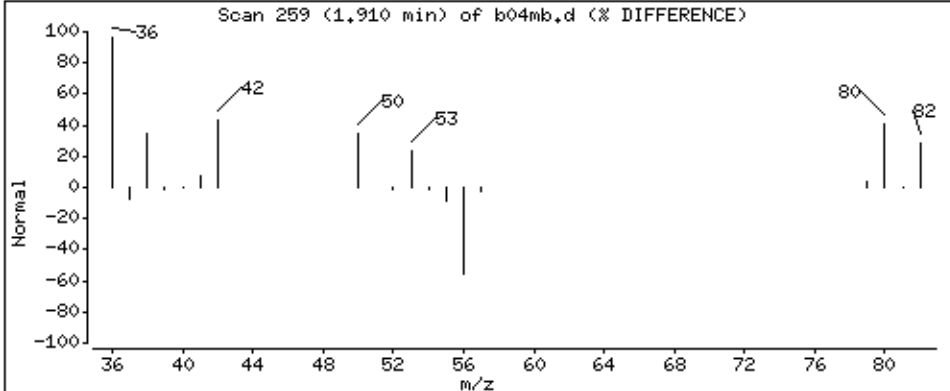
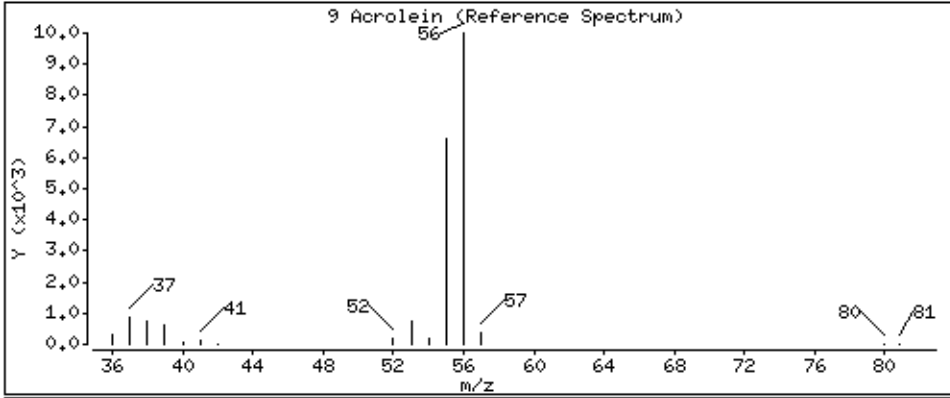
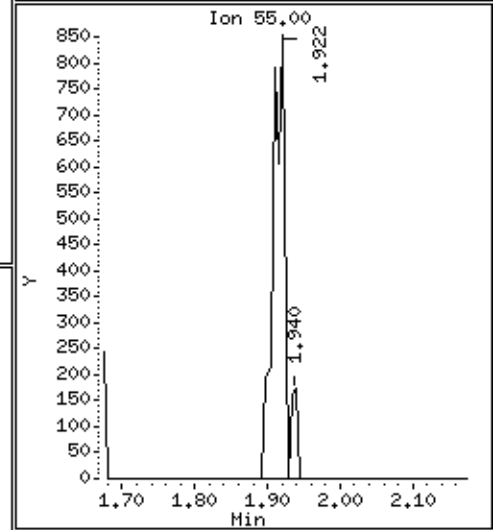
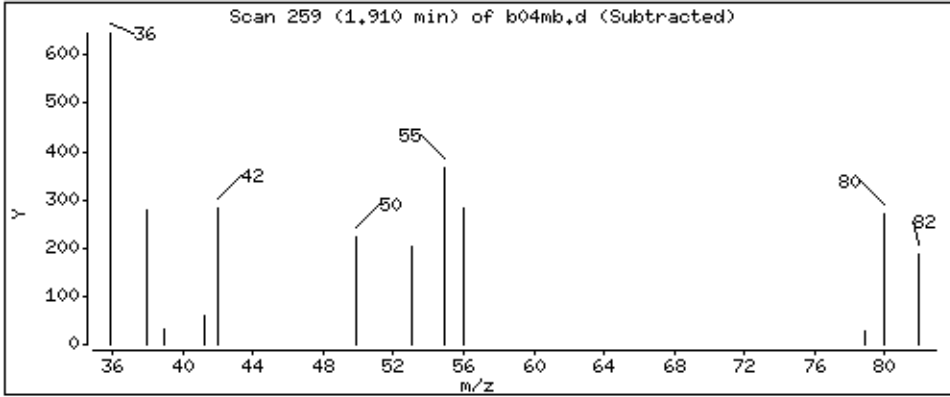
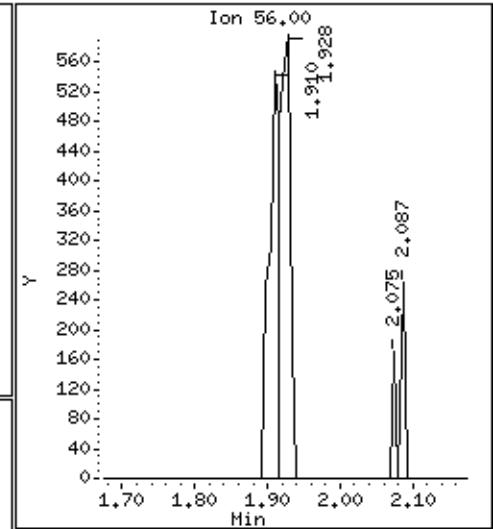
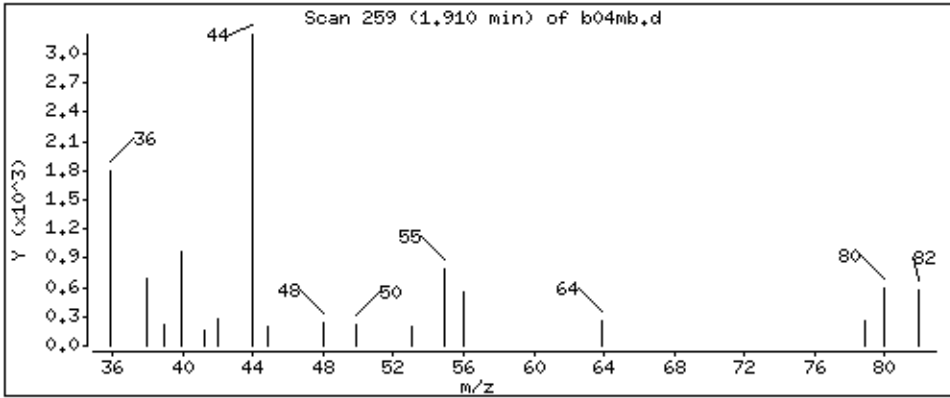
Operator: rsw

Column phase: DB-624

Column diameter: 0,18

9 Acrolein

Concentration: 0,419 ppb



Date : 01-JUL-2014 13:33

Client ID: 1121306

Instrument: 50mv4b.i

Sample Info: 1121306

Purge Volume: 5.0

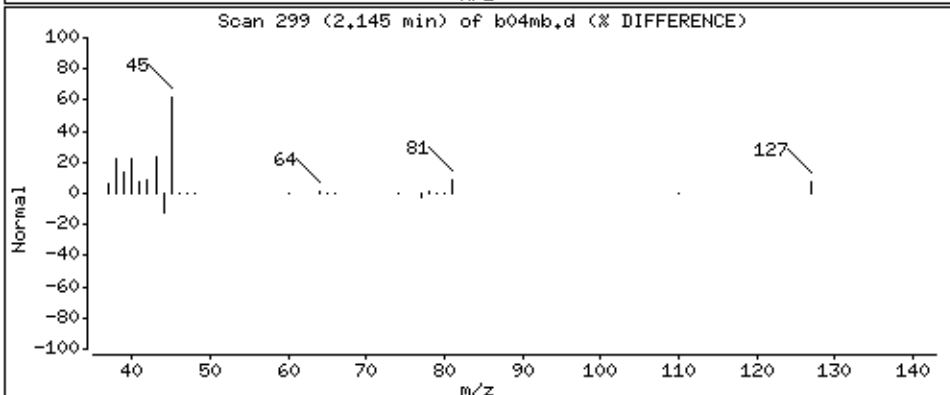
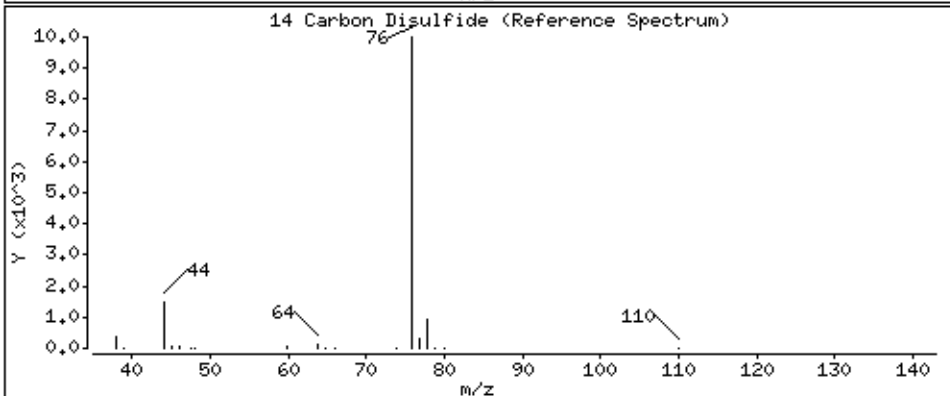
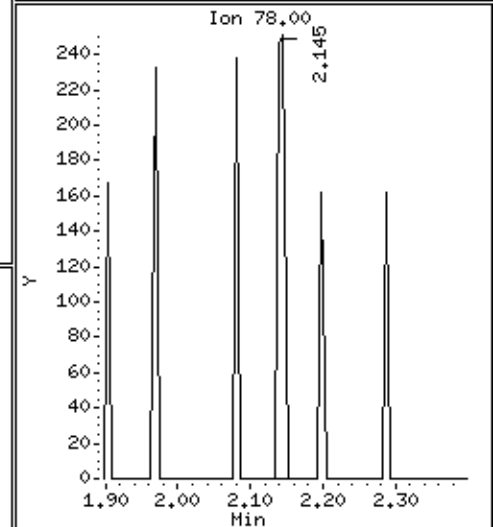
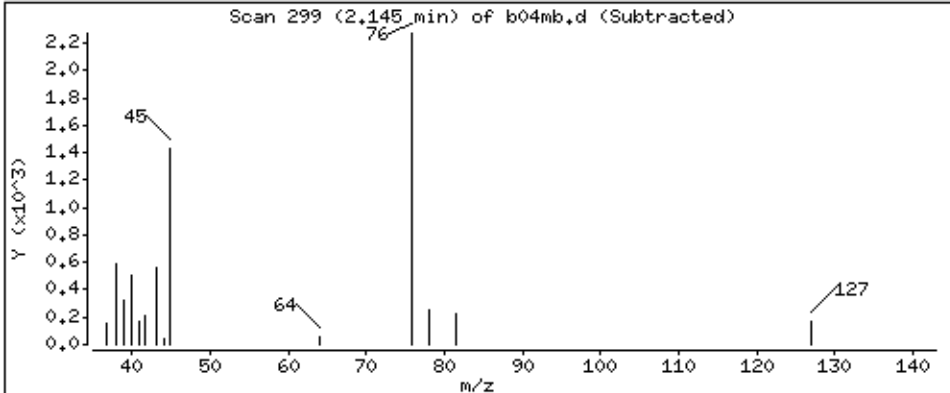
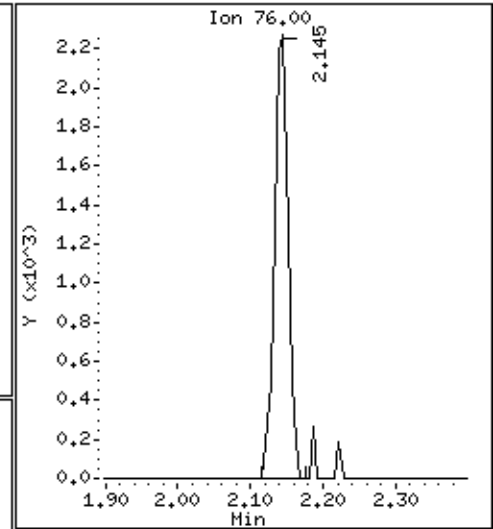
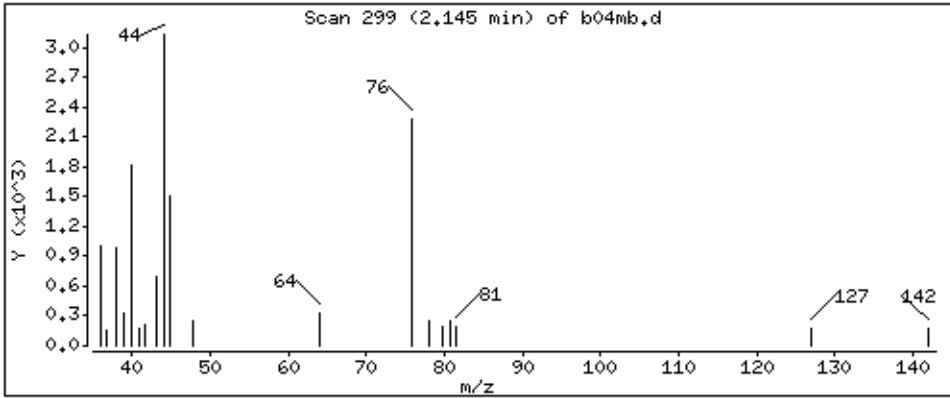
Operator: rsw

Column phase: DB-624

Column diameter: 0,18

14 Carbon Disulfide

Concentration: 0,243 ppb



Date : 01-JUL-2014 13:33

Client ID: 1121306

Instrument: 50mv4b.i

Sample Info: 1121306

Purge Volume: 5.0

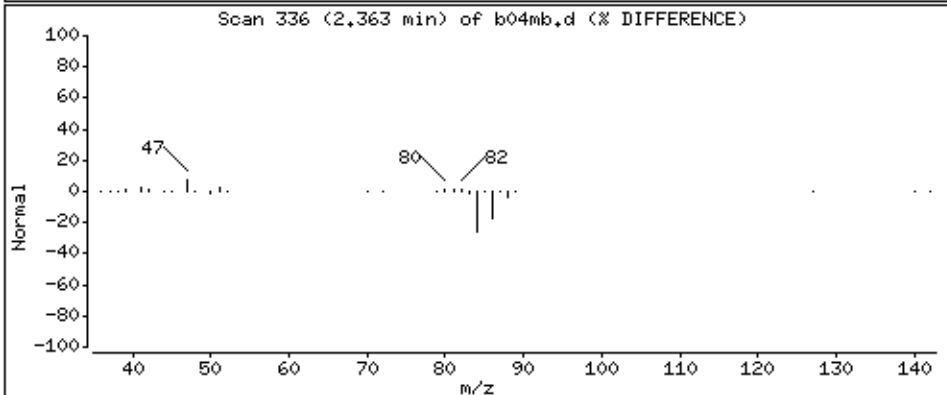
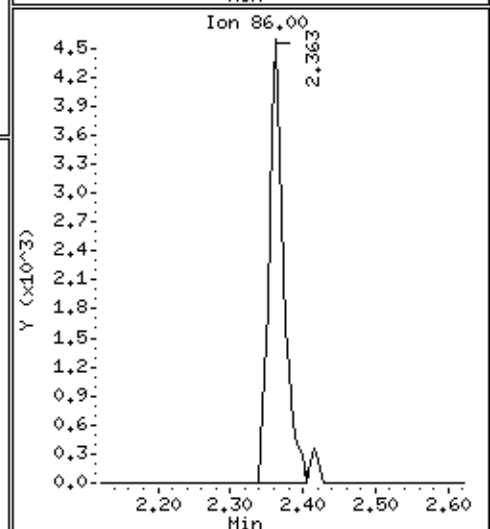
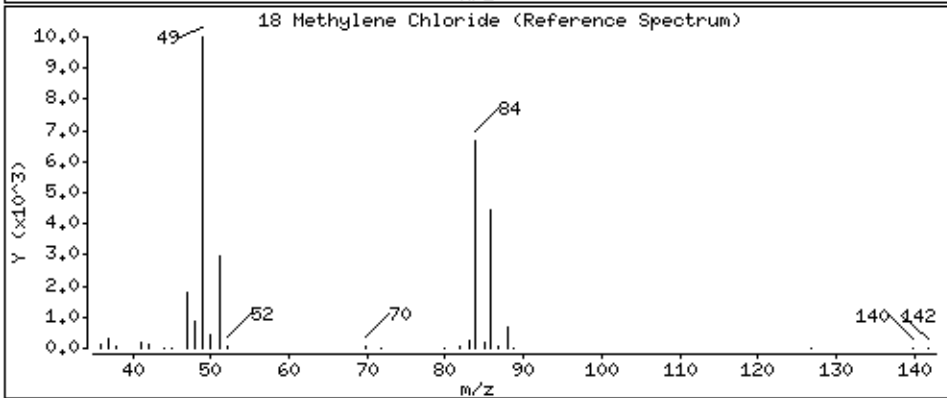
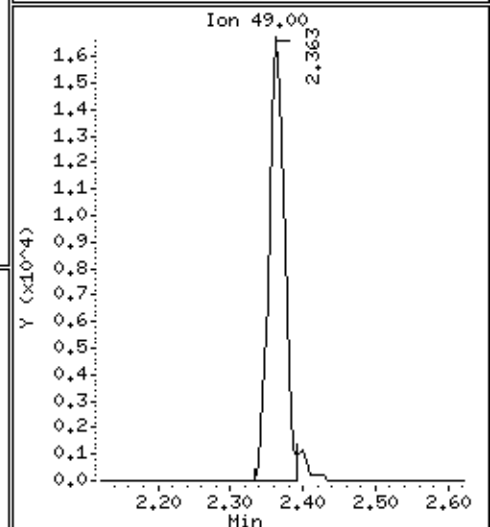
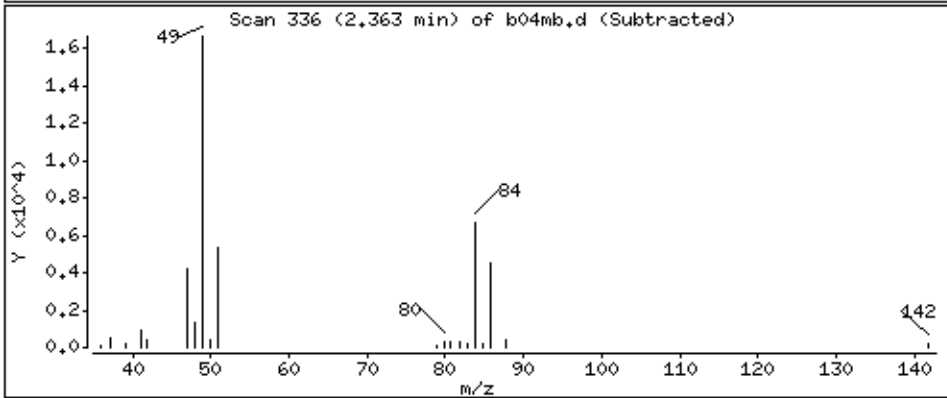
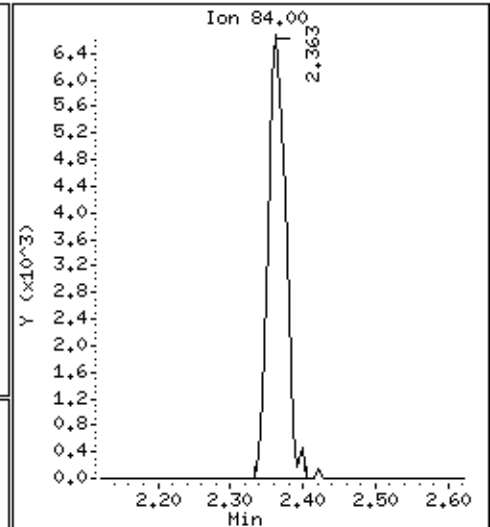
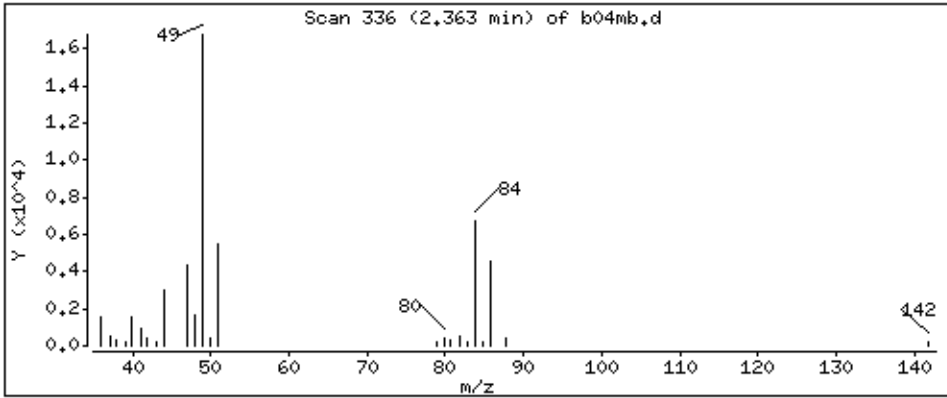
Operator: rsw

Column phase: DB-624

Column diameter: 0,18

18 Methylene Chloride

Concentration: 0,215 ppb



Date : 01-JUL-2014 13:33

Client ID: 1121306

Instrument: 50mv4b.i

Sample Info: 1121306

Purge Volume: 5.0

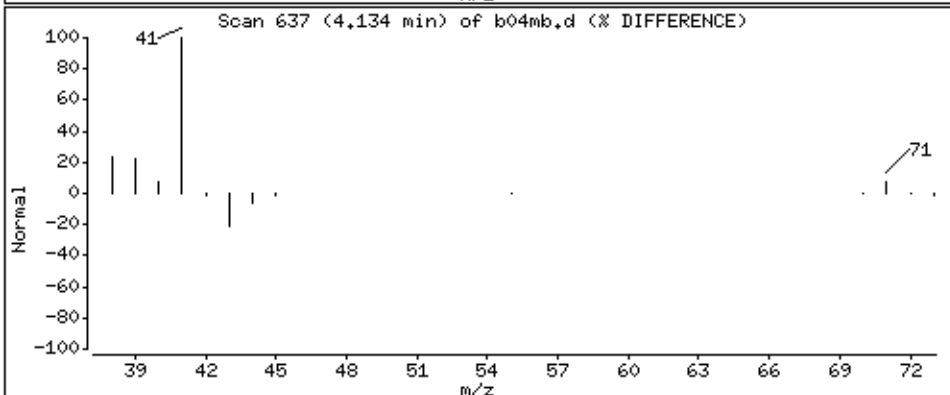
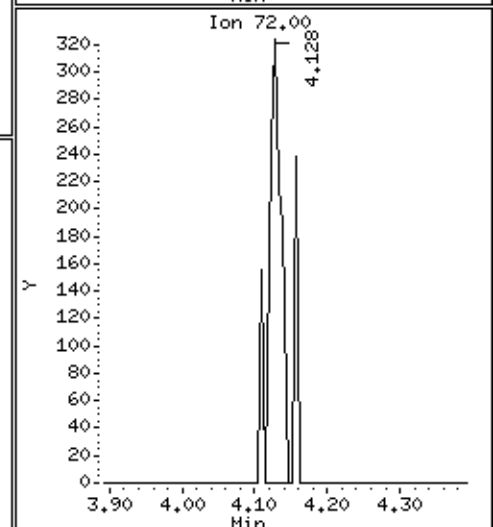
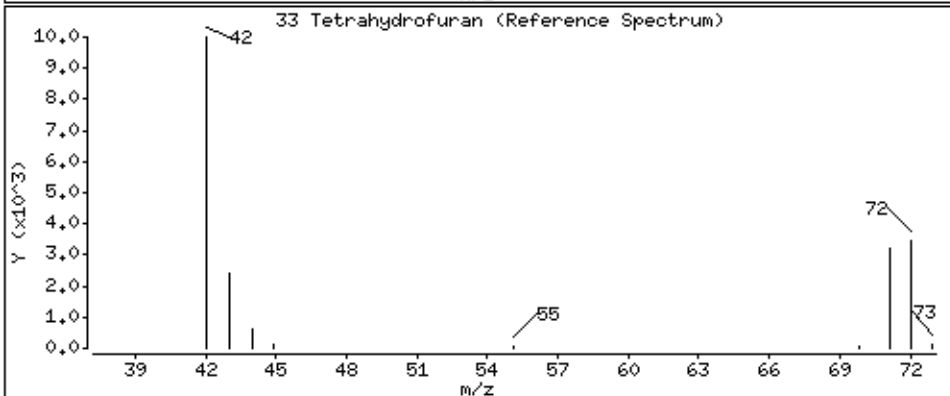
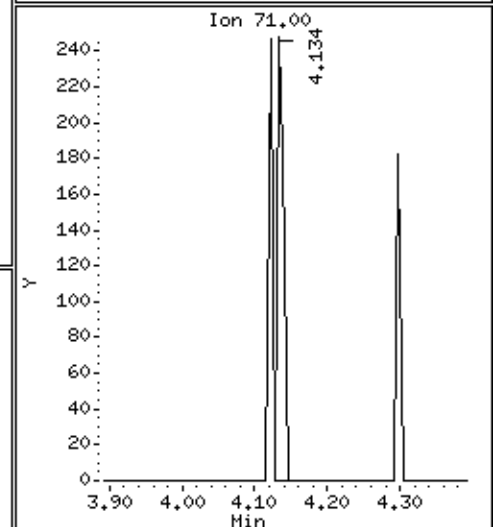
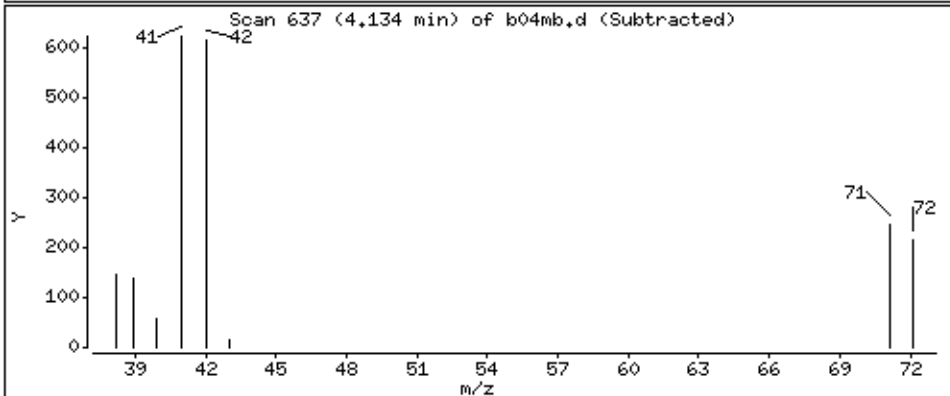
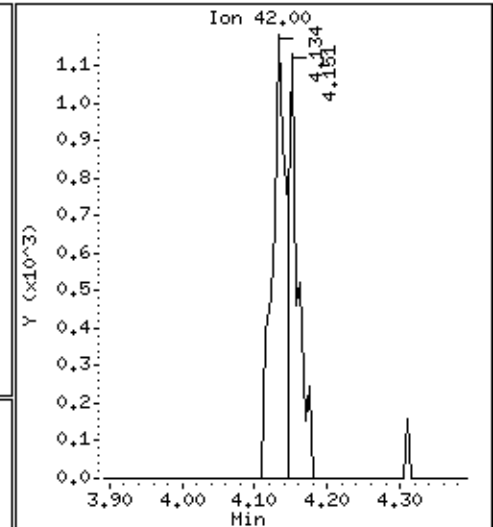
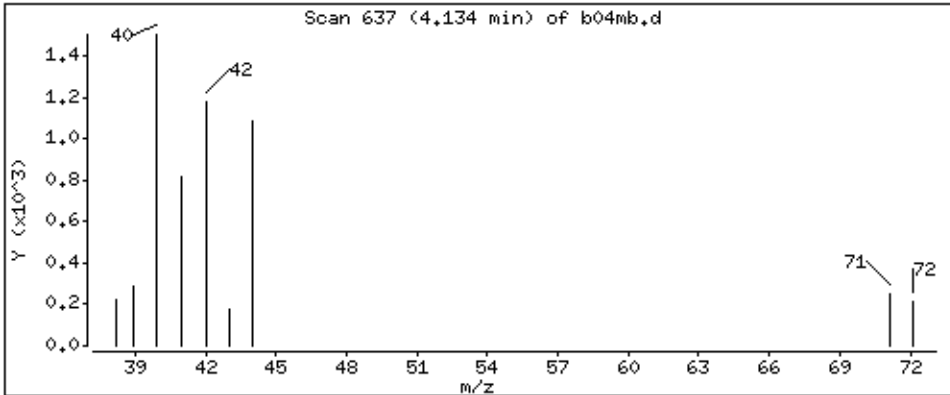
Operator: rsw

Column phase: DB-624

Column diameter: 0,18

33 Tetrahydrofuran

Concentration: 0,436 ppb



Date : 01-JUL-2014 13:33

Client ID: 1121306

Instrument: 50mv4b.i

Sample Info: 1121306

Purge Volume: 5.0

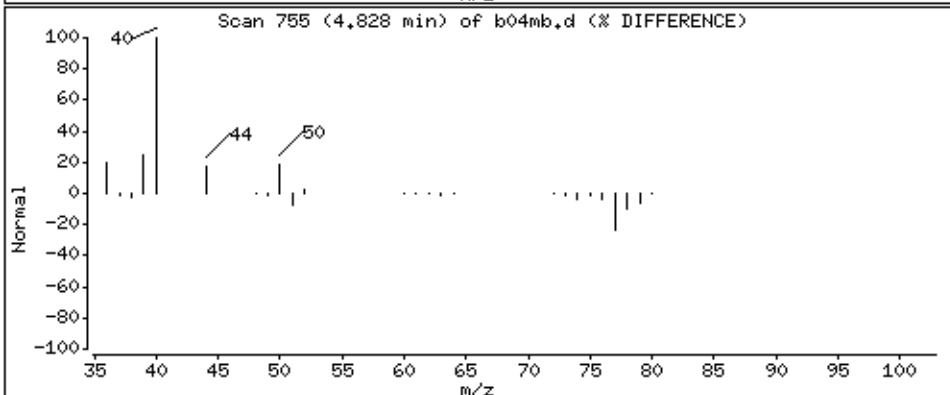
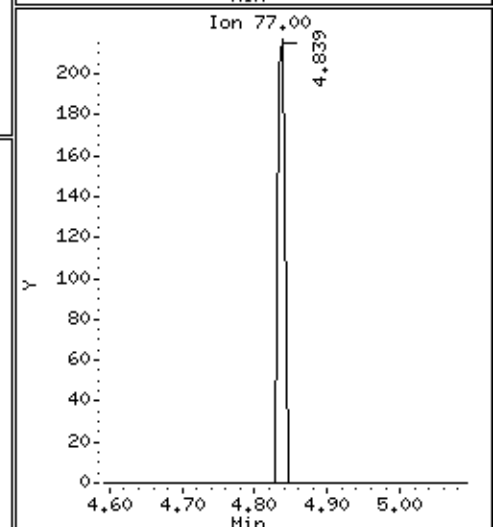
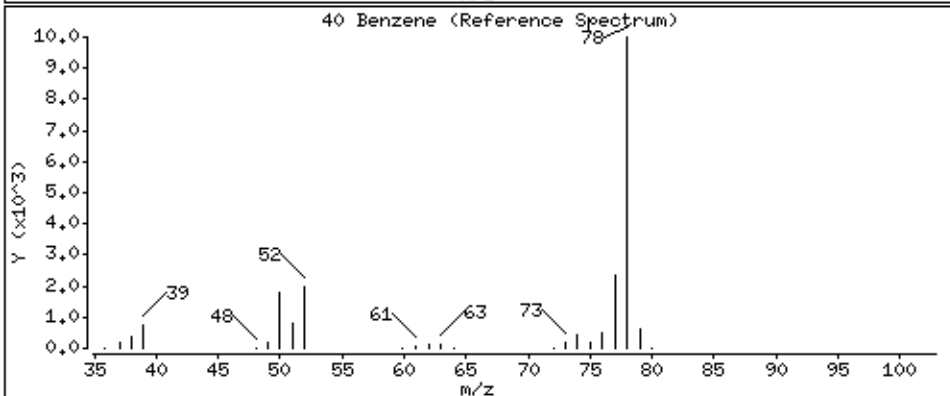
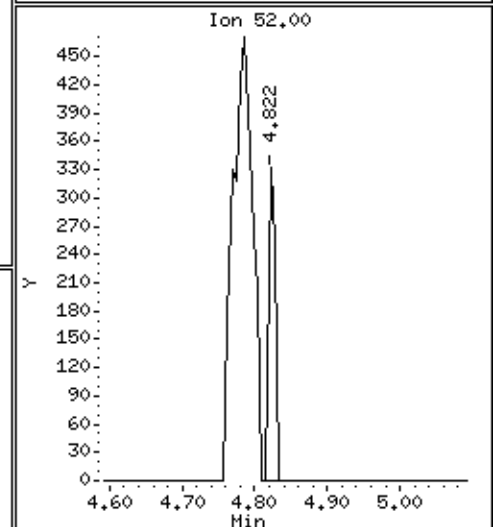
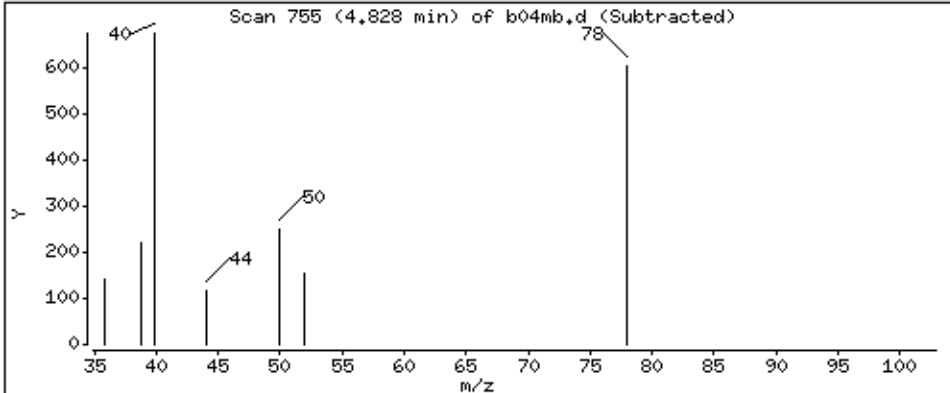
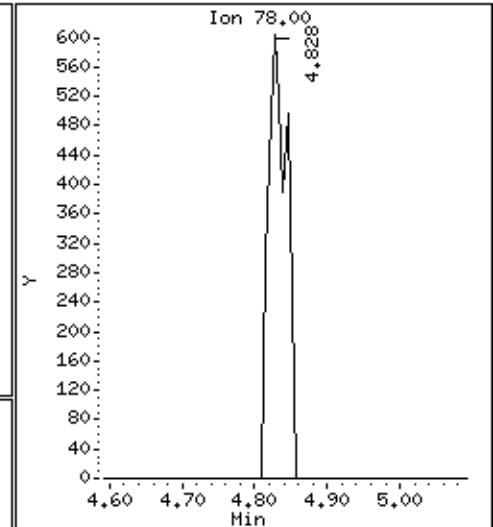
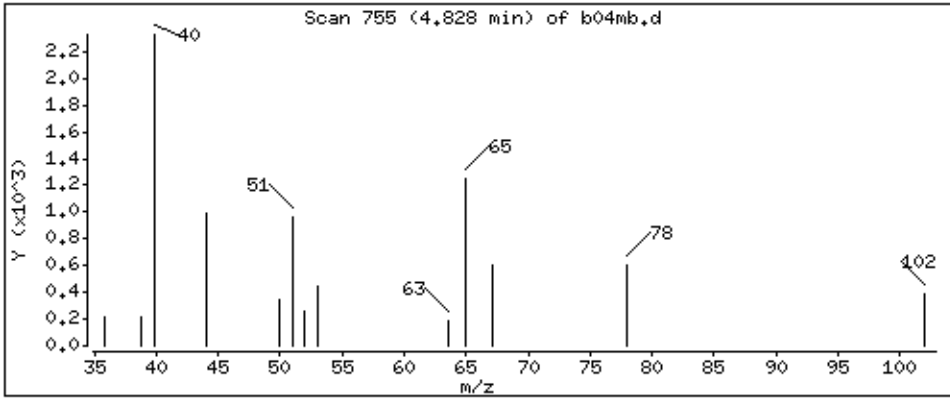
Operator: rsw

Column phase: DB-624

Column diameter: 0,18

40 Benzene

Concentration: 0,0492 ppb



Date : 01-JUL-2014 13:33

Client ID: 1121306

Instrument: 50mv4b.i

Sample Info: 1121306

Purge Volume: 5.0

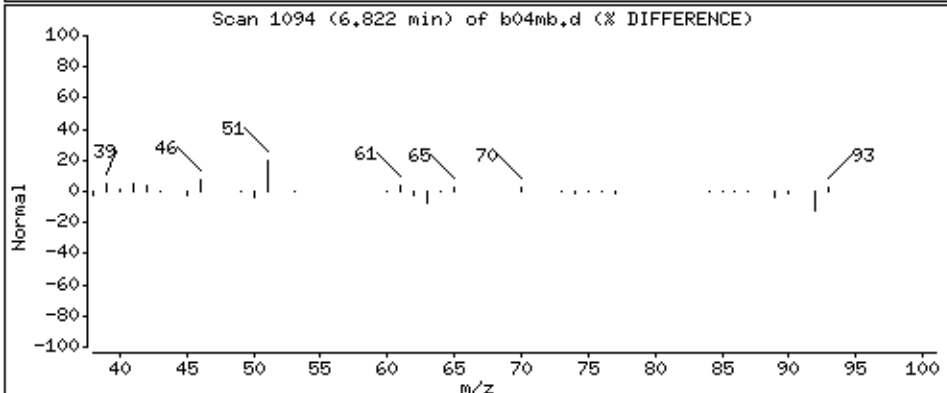
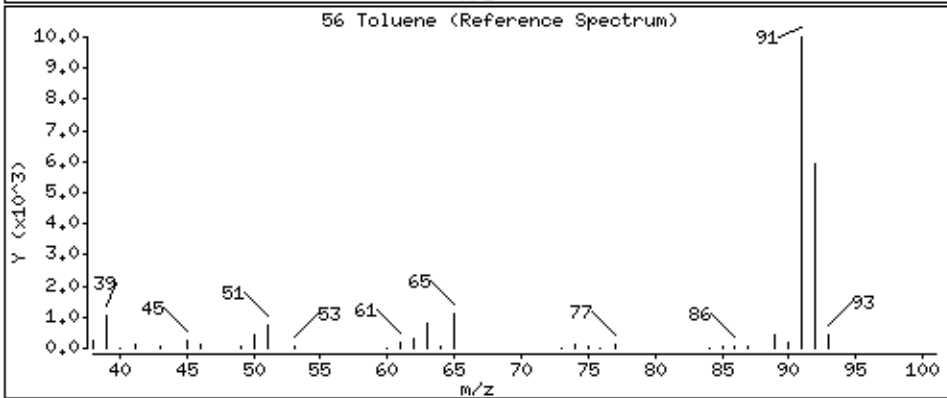
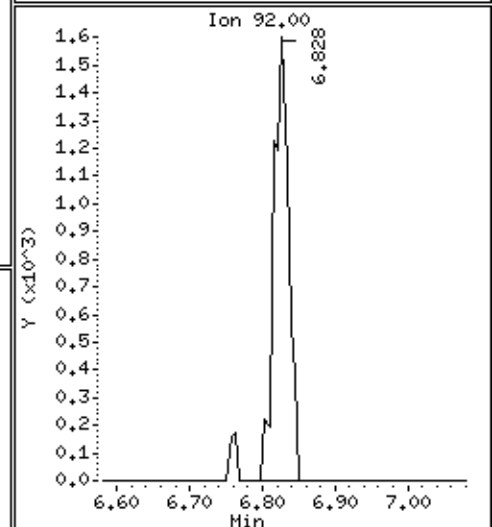
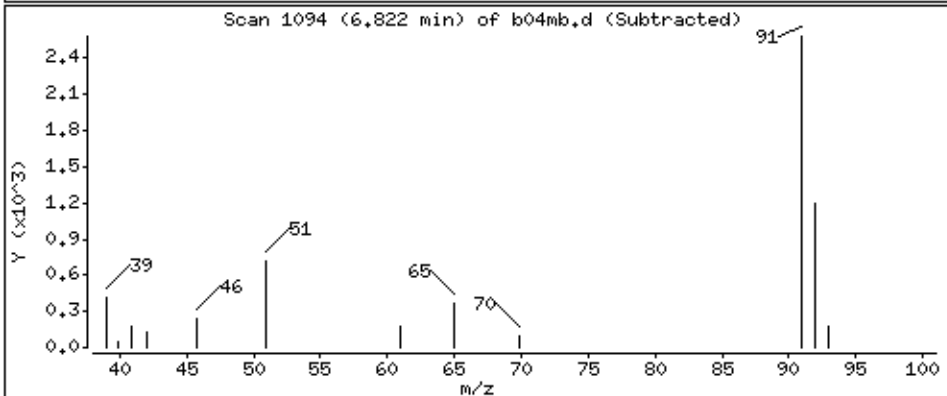
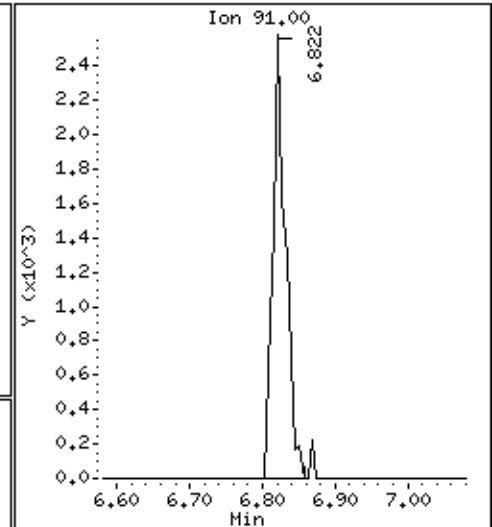
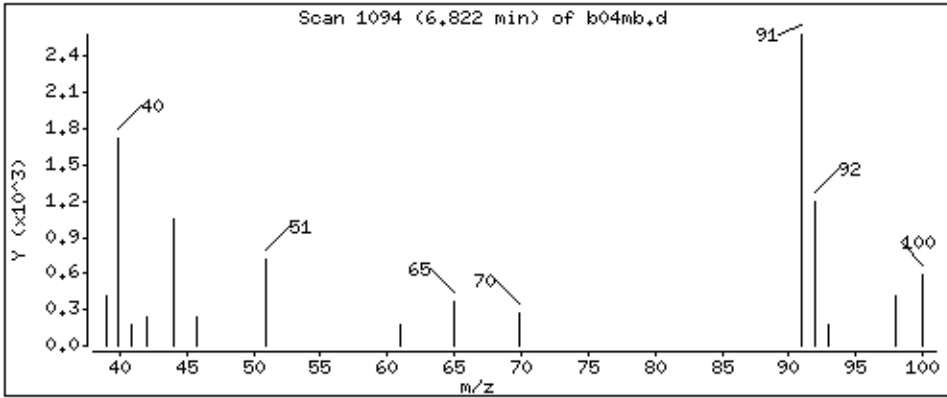
Operator: rsw

Column phase: DB-624

Column diameter: 0,18

56 Toluene

Concentration: 0,129 ppb



Date : 01-JUL-2014 13:33

Client ID: 1121306

Instrument: 50mv4b.i

Sample Info: 1121306

Purge Volume: 5.0

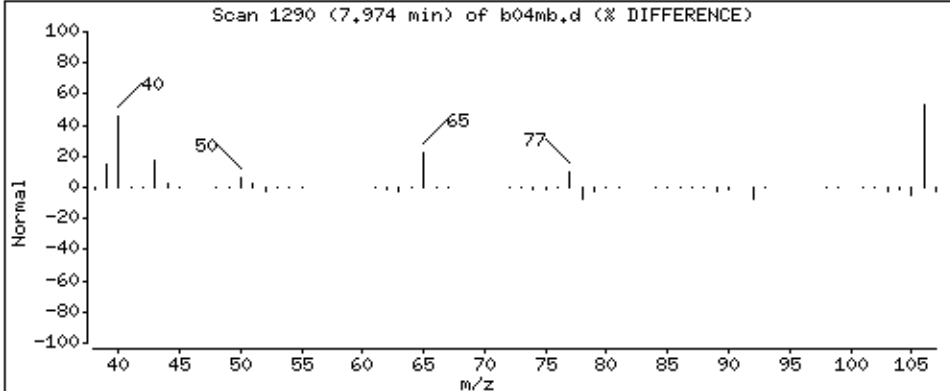
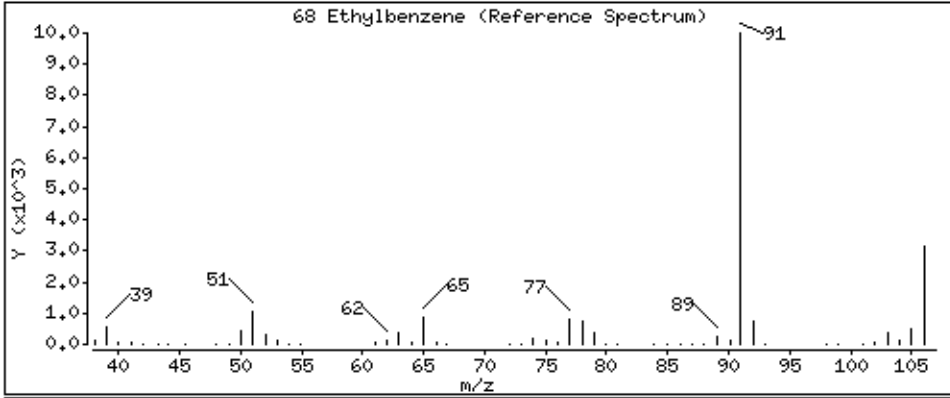
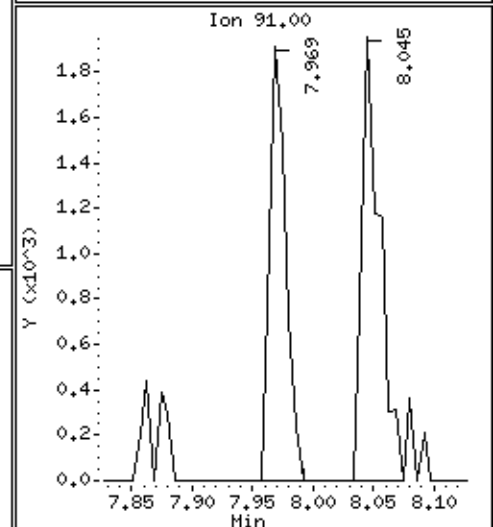
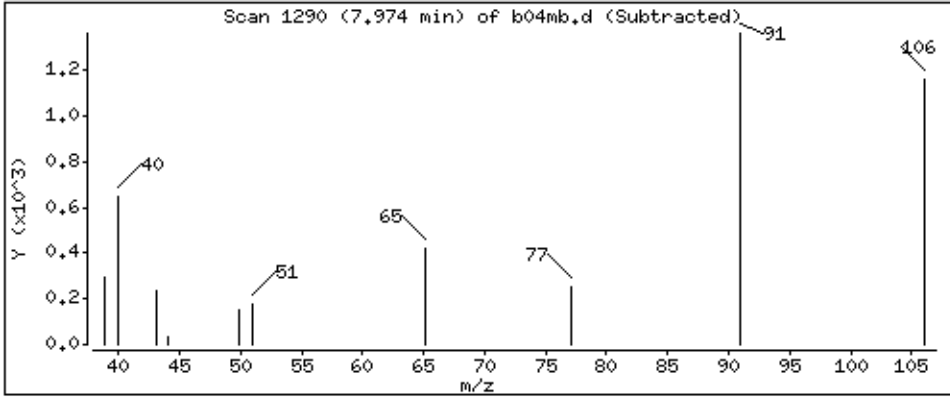
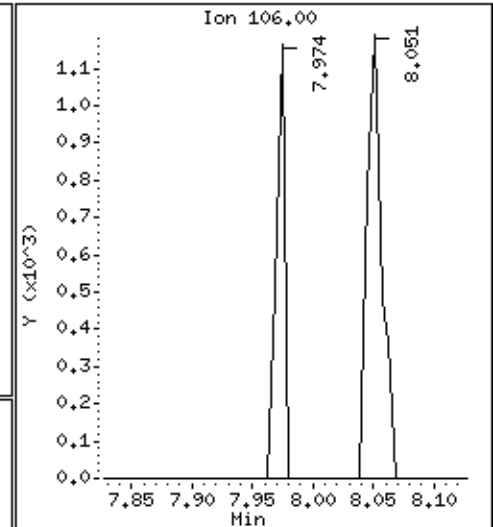
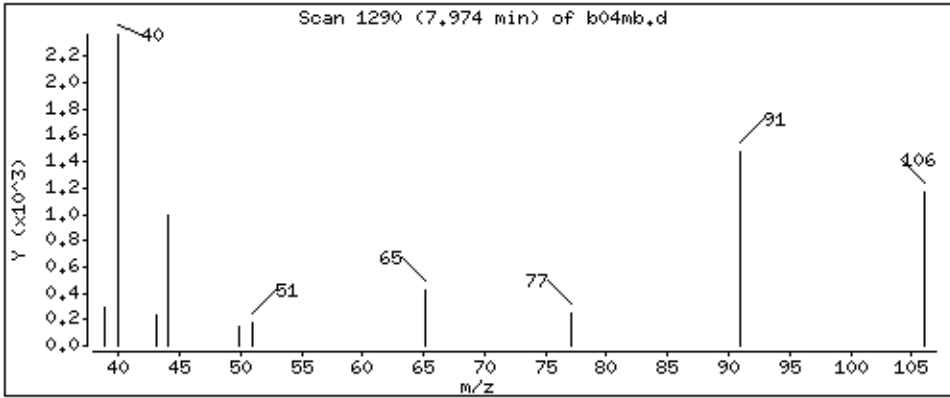
Operator: rsw

Column phase: DB-624

Column diameter: 0,18

68 Ethylbenzene

Concentration: 0,0710 ppb



Date : 01-JUL-2014 13:33

Client ID: 1121306

Instrument: 50mv4b.i

Sample Info: 1121306

Purge Volume: 5.0

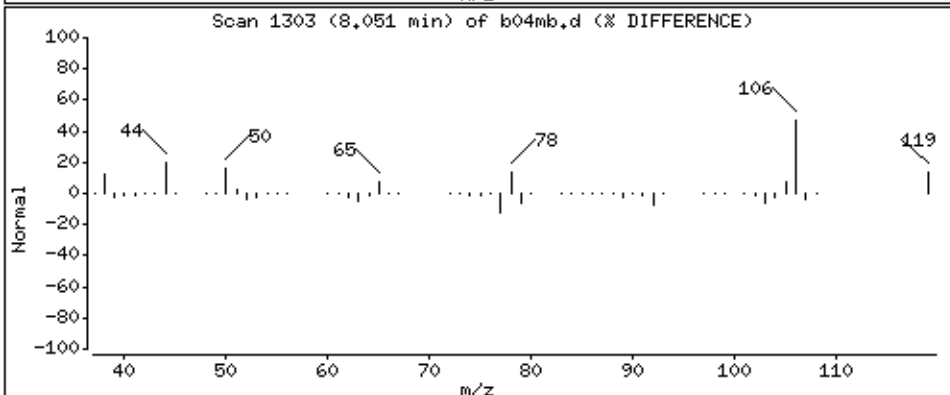
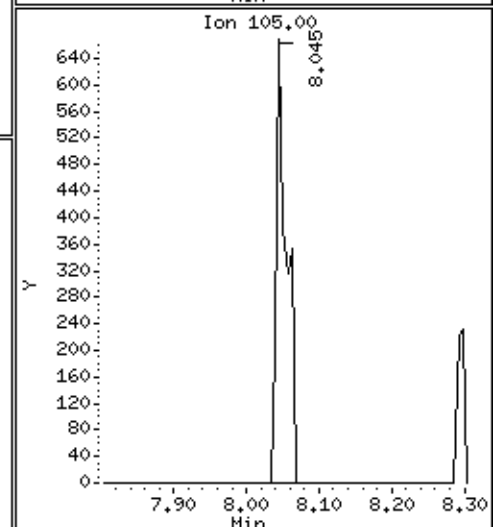
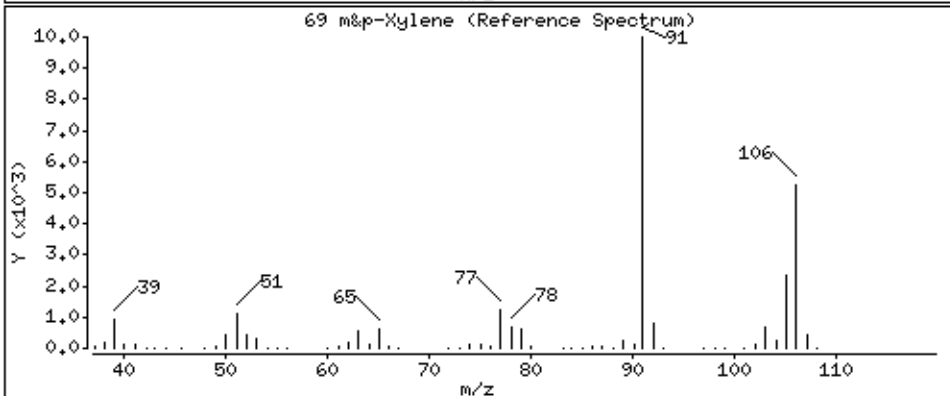
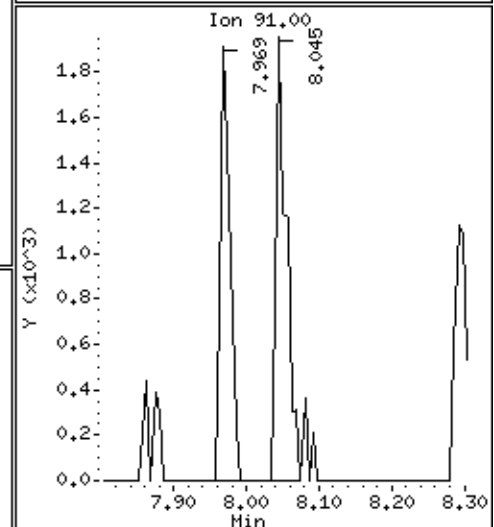
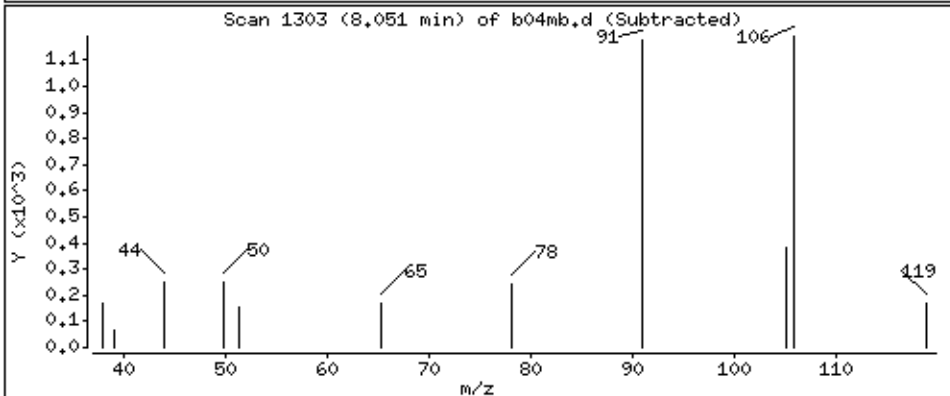
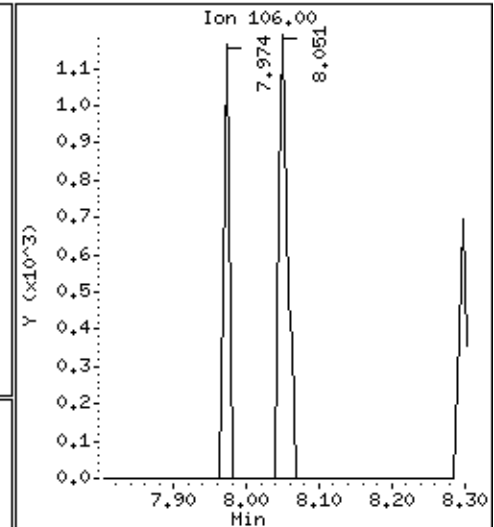
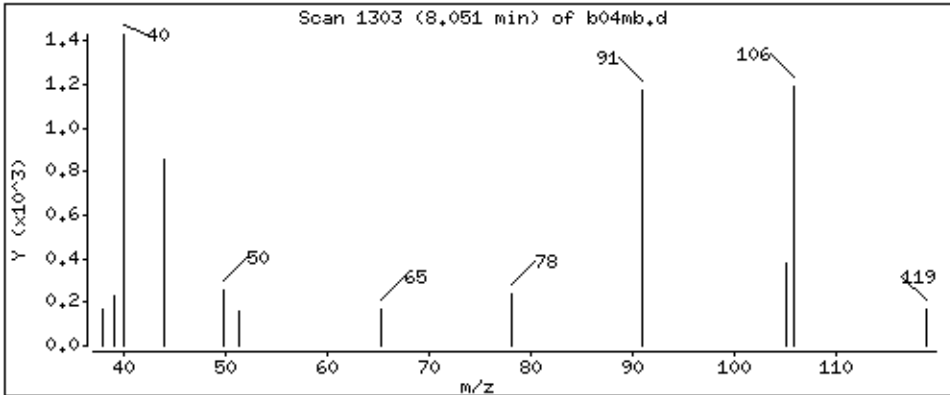
Operator: rsw

Column phase: DB-624

Column diameter: 0,18

69 m&p-Xylene

Concentration: 0,104 ppb



Date : 01-JUL-2014 13:33

Client ID: 1121306

Instrument: 50mv4b.i

Sample Info: 1121306

Purge Volume: 5.0

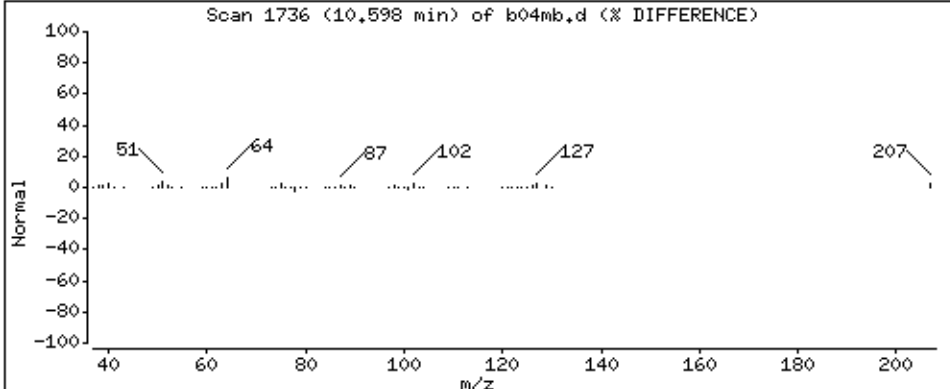
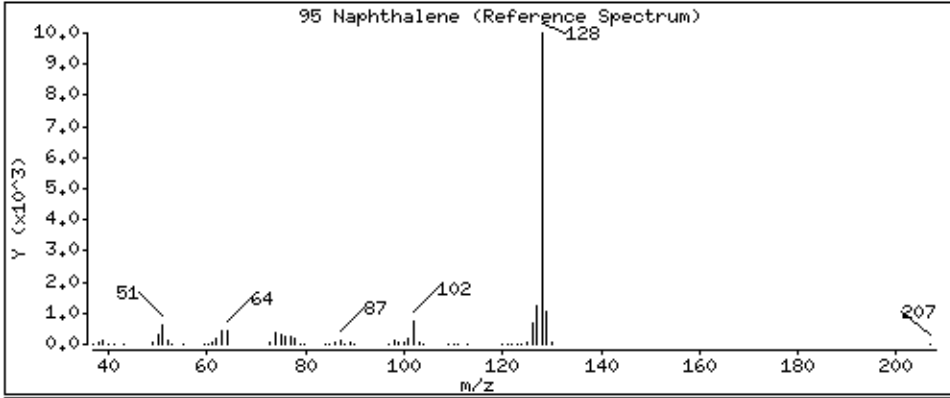
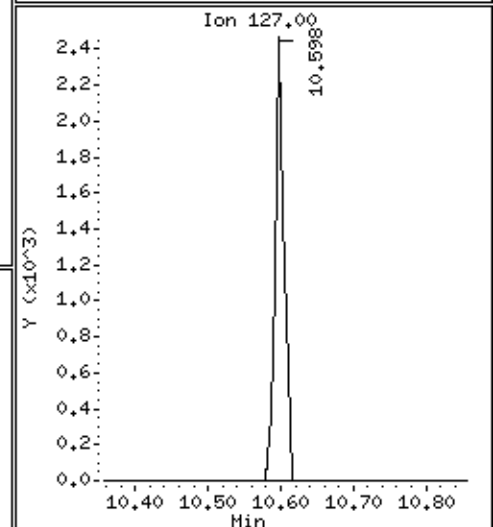
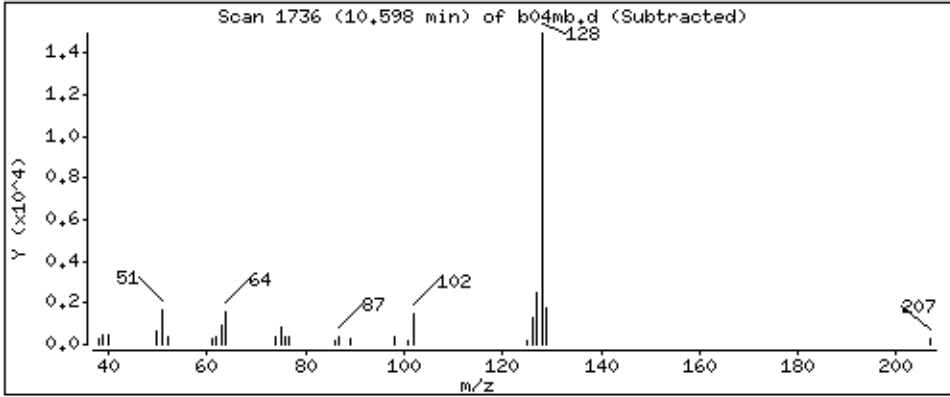
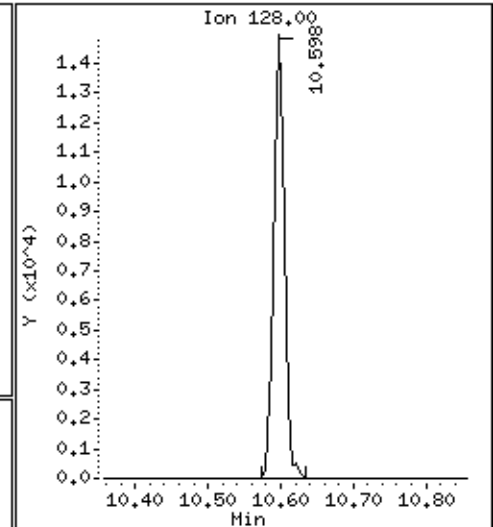
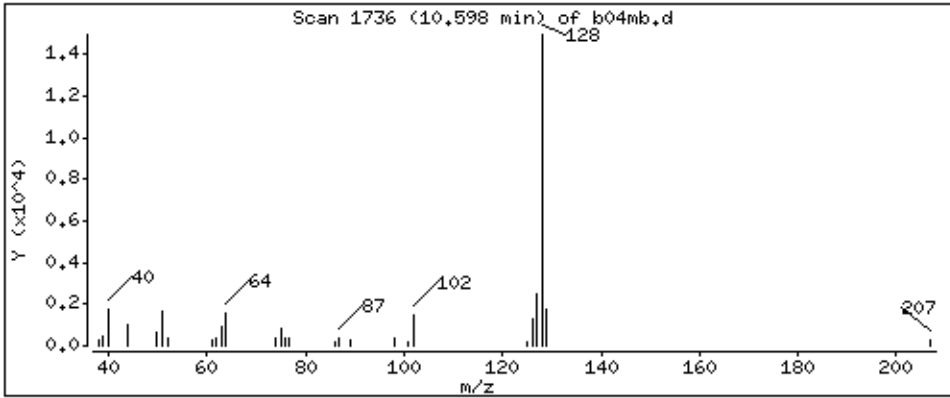
Operator: rsw

Column phase: DB-624

Column diameter: 0,18

95 Naphthalene

Concentration: 5.46 ppb



Date : 01-JUL-2014 13:33

Client ID: 1121306

Instrument: 50mv4b.i

Sample Info: 1121306

Purge Volume: 5.0

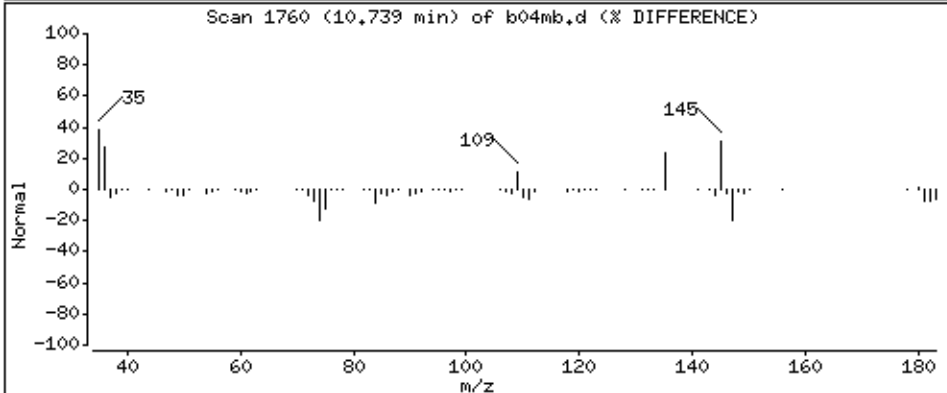
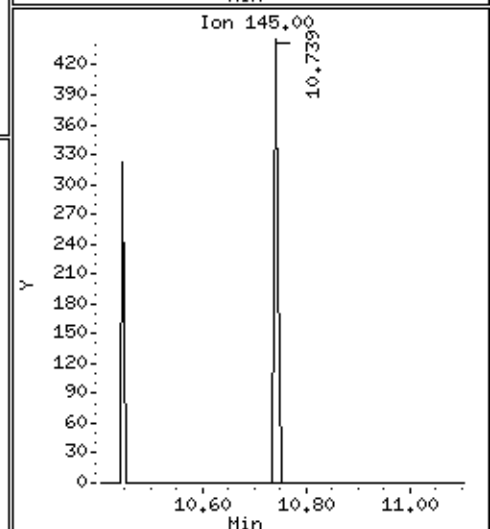
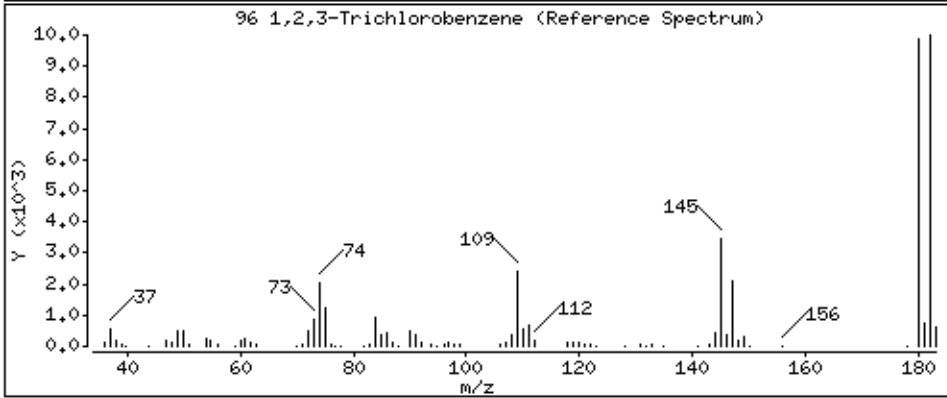
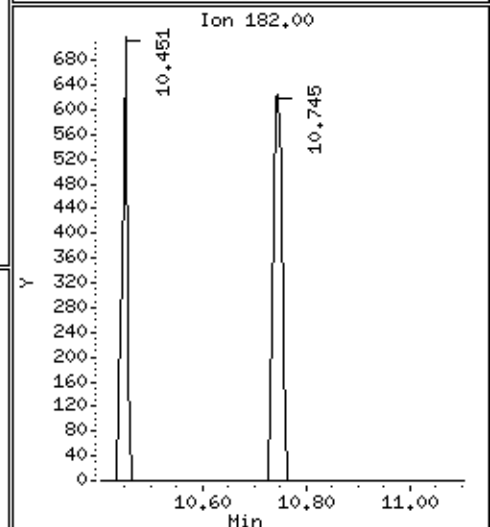
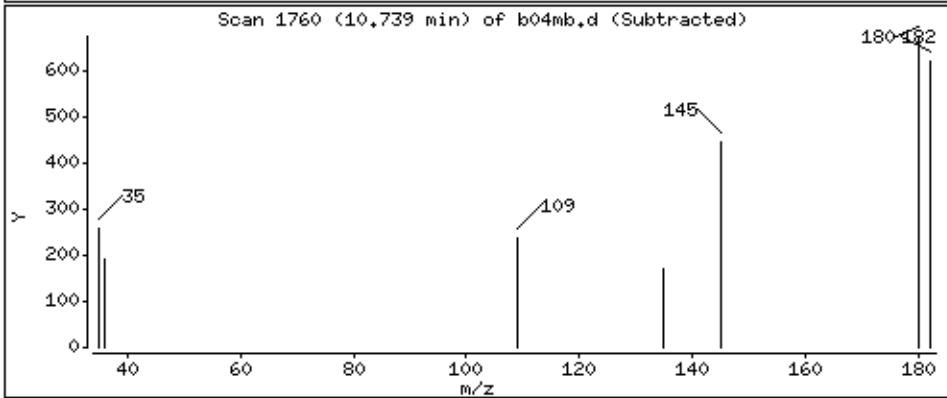
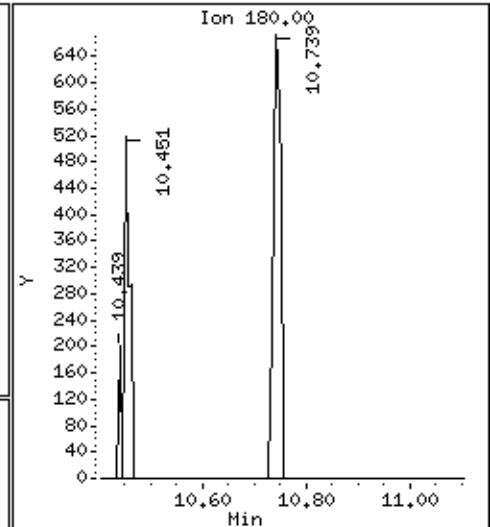
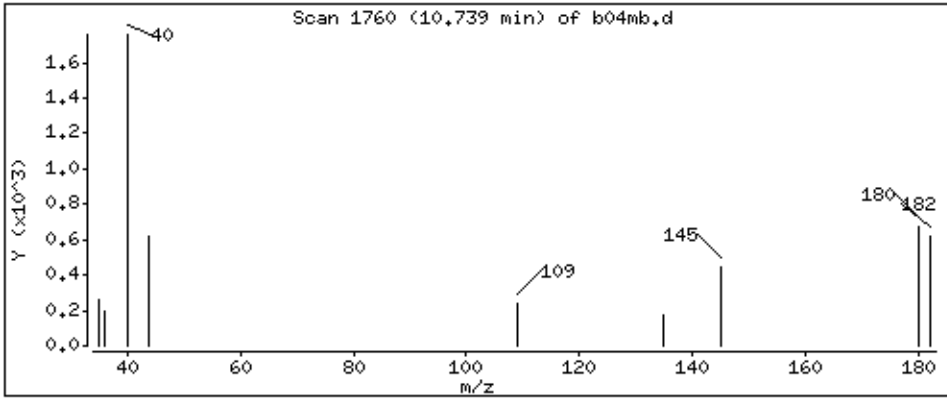
Operator: rsw

Column phase: DB-624

Column diameter: 0,18

96 1,2,3-Trichlorobenzene

Concentration: 2,28 ppb



Date : 01-JUL-2014 13:33

Client ID: 1121306

Instrument: 50mv4b.i

Sample Info: 1121306

Purge Volume: 5.0

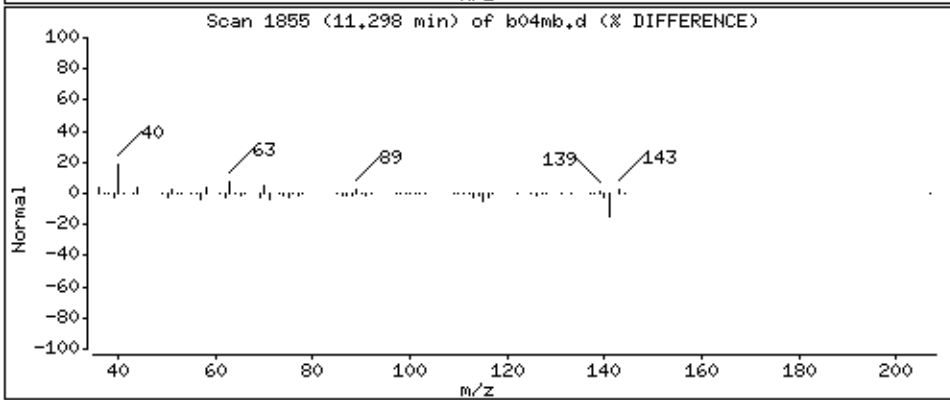
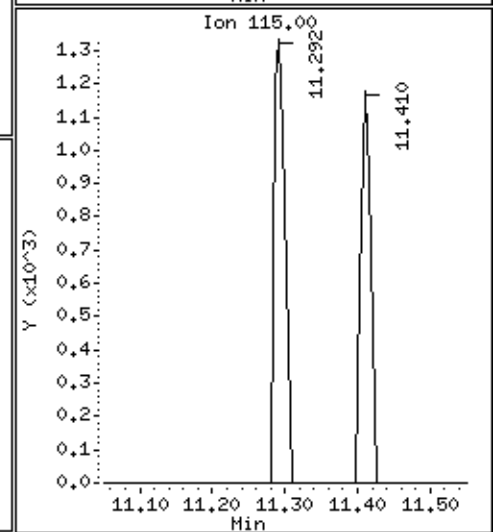
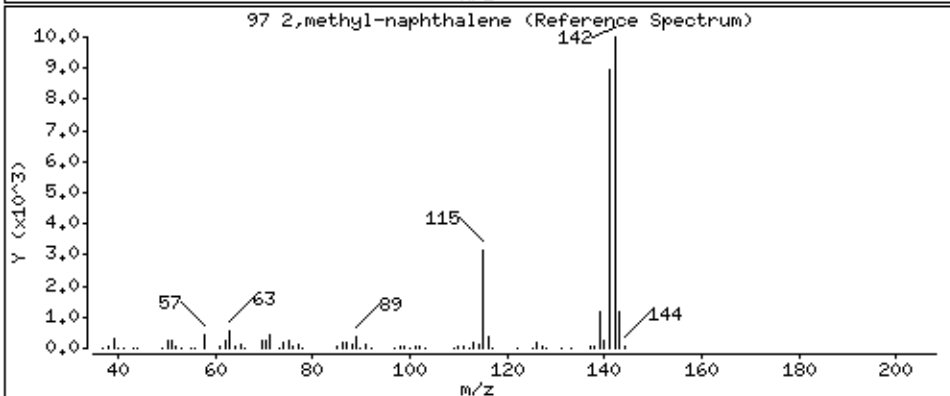
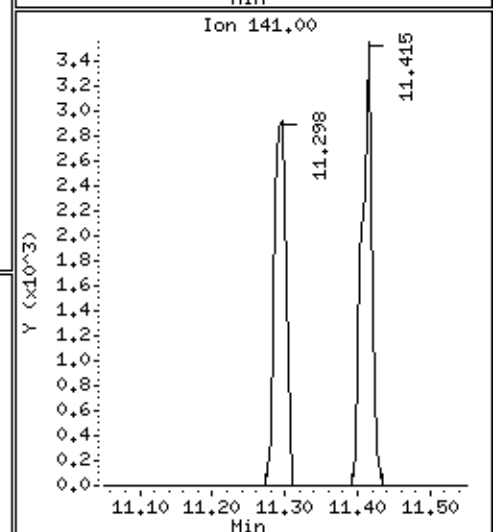
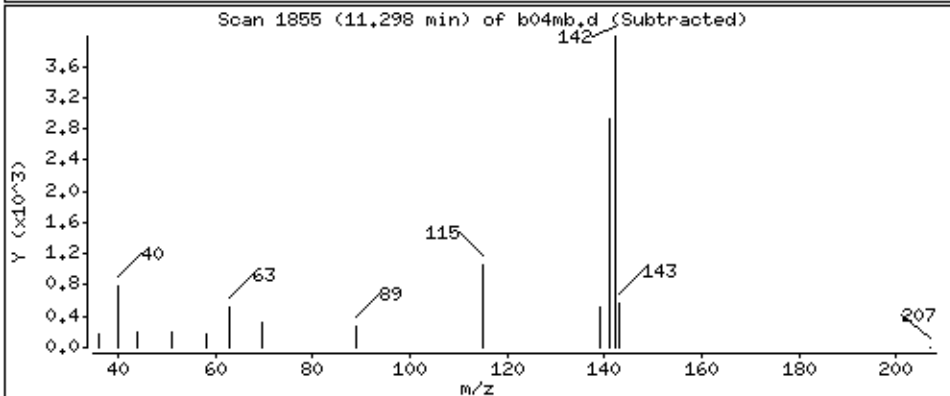
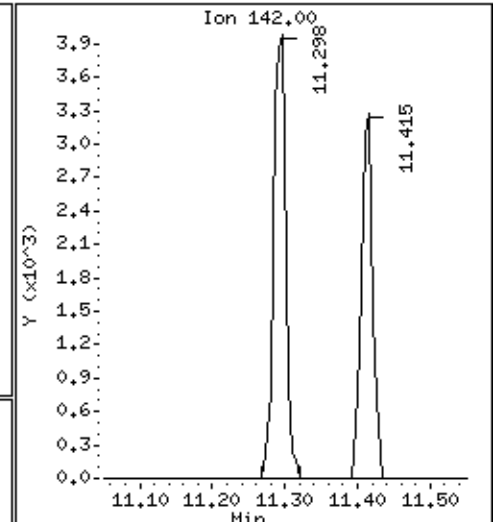
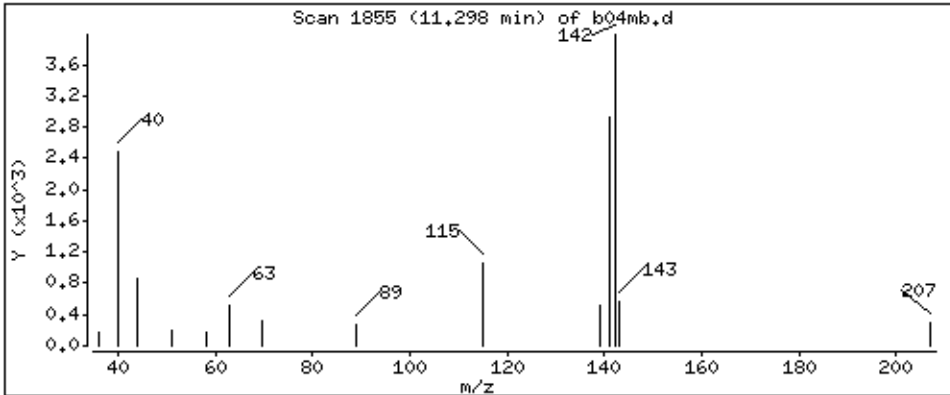
Operator: rsw

Column phase: DB-624

Column diameter: 0,18

97 2,methyl-naphthalene

Concentration: 5,81 ppb



Date : 01-JUL-2014 13:33

Client ID: 1121306

Instrument: 50mv4b.i

Sample Info: 1121306

Purge Volume: 5.0

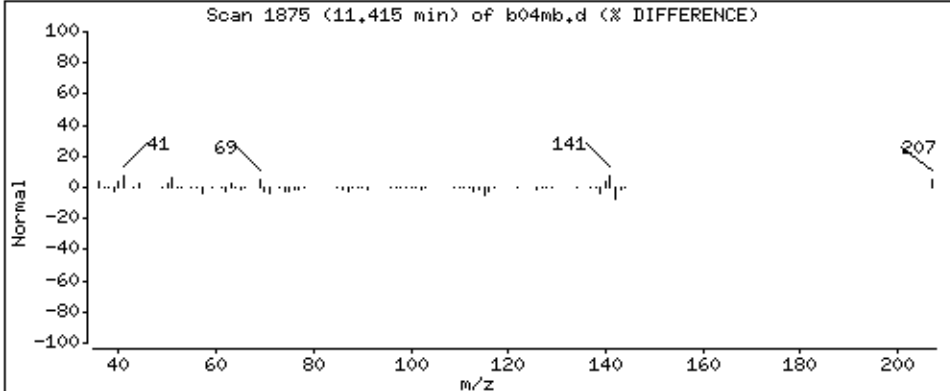
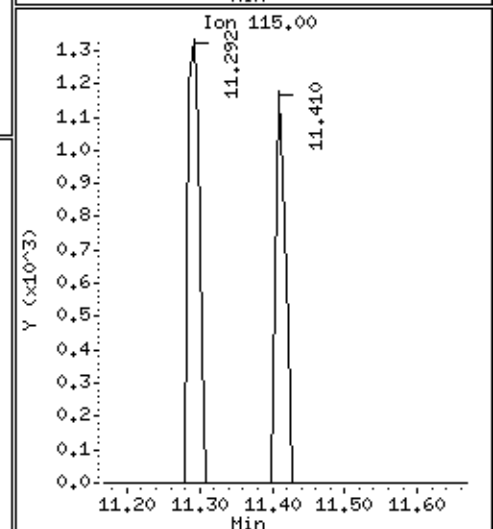
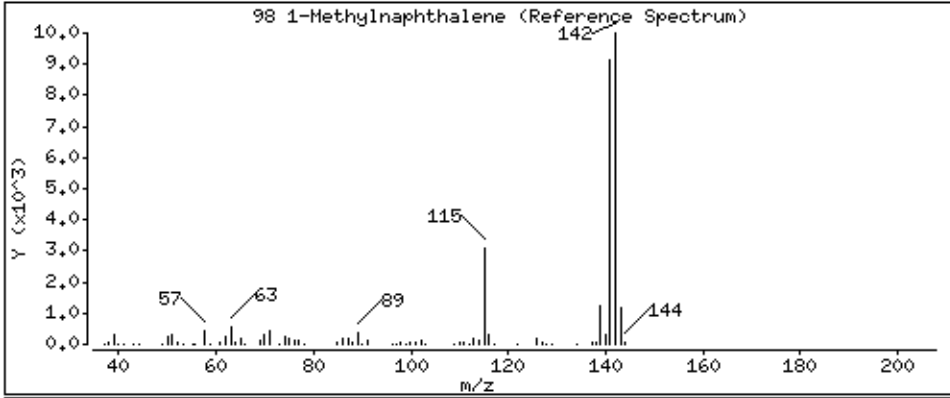
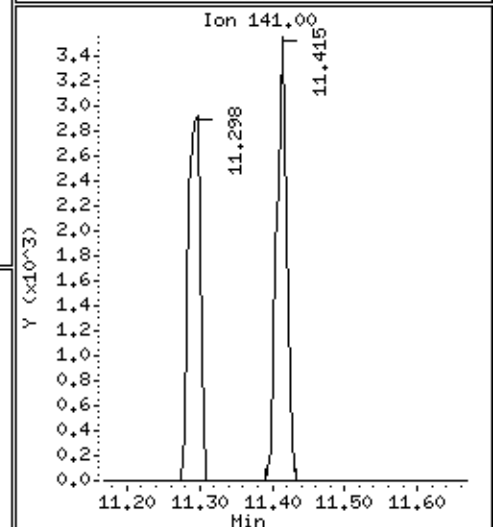
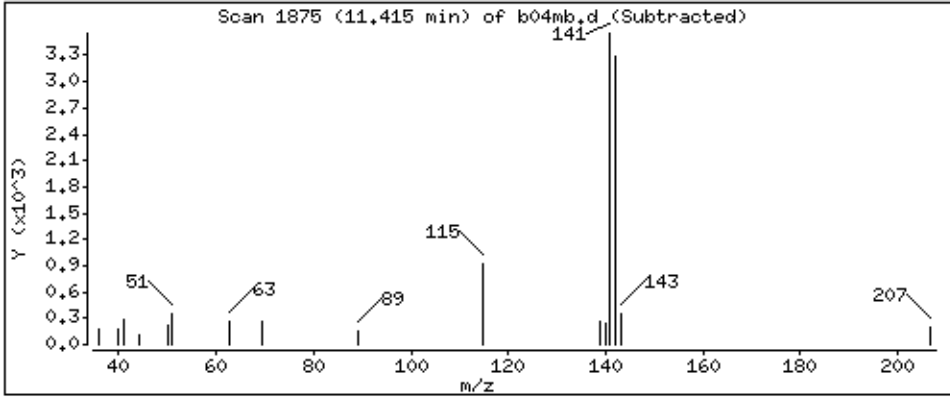
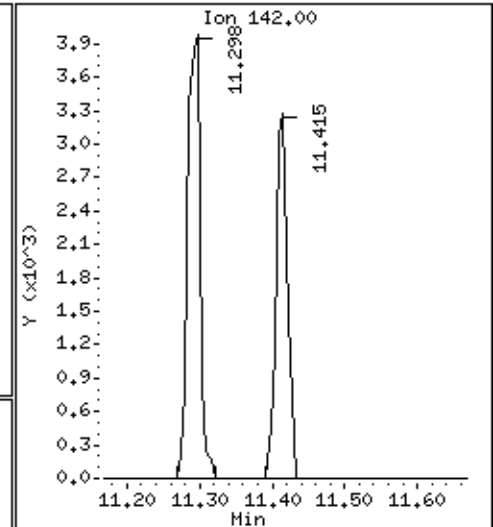
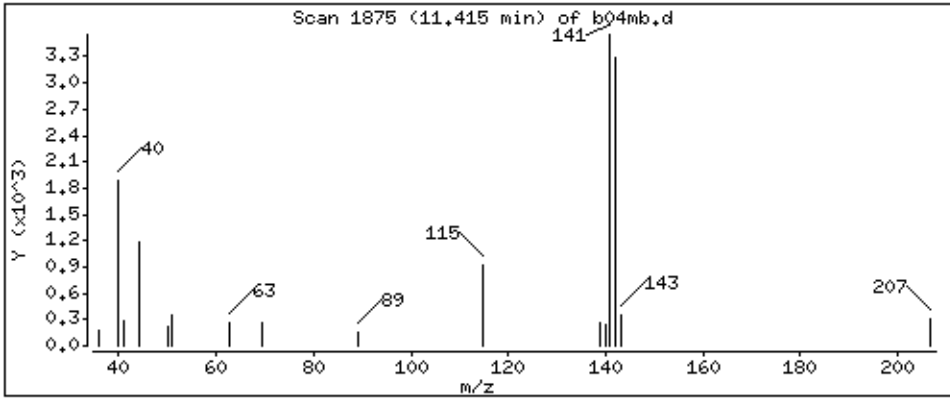
Operator: rsw

Column phase: DB-624

Column diameter: 0,18

98 1-Methylnaphthalene

Concentration: 5,04 ppb



Data File: \\192.168.50.6\chem\50mv4b.i\b070114.b\b04mb.d
Injection Date: 01-JUL-2014 13:33
Instrument: 50mv4b.i
Lab Sample ID: 1121306
NO SIGNAL MANUAL INTEGRATIONS DONE FOR THIS DATA FILE

MSV - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

LCS

Lab Name: Pace Analytical - Indiana
Date Received: _____
Date Extracted: 07/02/2014 10:36
Date Analyzed: 07/02/2014 10:36
Initial wt/vol: 5 g Final wt/vol: 5 mL Dilution: 1

Contract: Sibley-Accucast/2339-356-03-00
Matrix: Solid SDG No.: 5099688
Lab Sample ID: 1122045
Lab File ID: A070214.BVA02LCSSX.D
Instrument: 50MV3A Percent Moisture: _____

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
67-64-1	Acetone	299	
107-02-8	Acrolein	1370	
107-13-1	Acrylonitrile	900	
71-43-2	Benzene	46.1	
108-86-1	Bromobenzene	41.9	
74-97-5	Bromochloromethane	44.1	
75-27-4	Bromodichloromethane	41.4	
75-25-2	Bromoform	38.3	
74-83-9	Bromomethane	41.2	
78-93-3	2-Butanone (MEK)	238	
104-51-8	n-Butylbenzene	40.3	
135-98-8	sec-Butylbenzene	40.9	
98-06-6	tert-Butylbenzene	34.3	
75-15-0	Carbon disulfide	89.4	
56-23-5	Carbon tetrachloride	39.0	
108-90-7	Chlorobenzene	42.1	
75-00-3	Chloroethane	52.5	
67-66-3	Chloroform	40.5	
74-87-3	Chloromethane	48.9	
95-49-8	2-Chlorotoluene	39.6	
106-43-4	4-Chlorotoluene	41.5	
124-48-1	Dibromochloromethane	37.0	
106-93-4	1,2-Dibromoethane (EDB)	45.7	
74-95-3	Dibromomethane	39.6	
95-50-1	1,2-Dichlorobenzene	41.9	
541-73-1	1,3-Dichlorobenzene	41.3	
106-46-7	1,4-Dichlorobenzene	41.8	
110-57-6	trans-1,4-Dichloro-2-butene	152	
75-71-8	Dichlorodifluoromethane	33.1	
75-34-3	1,1-Dichloroethane	42.6	
107-06-2	1,2-Dichloroethane	39.4	
75-35-4	1,1-Dichloroethene	43.2	
156-59-2	cis-1,2-Dichloroethene	42.0	
156-60-5	trans-1,2-Dichloroethene	41.8	
78-87-5	1,2-Dichloropropane	44.4	
142-28-9	1,3-Dichloropropane	41.0	
594-20-7	2,2-Dichloropropane	45.9	

07/21/2014 10:54

MSV - FORM I VOA-2
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

LCS

Lab Name: Pace Analytical - Indiana
Date Received: _____
Date Extracted: 07/02/2014 10:36
Date Analyzed: 07/02/2014 10:36
Initial wt/vol: 5 g Final wt/vol: 5 mL Dilution: 1

Contract: Sibley-Accucast/2339-356-03-00
Matrix: Solid SDG No.: 5099688
Lab Sample ID: 1122045
Lab File ID: A070214.BVA02LCSSX.D
Instrument: 50MV3A Percent Moisture: _____

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
563-58-6	1,1-Dichloropropene	41.4	
10061-01-5	cis-1,3-Dichloropropene	39.0	
10061-02-6	trans-1,3-Dichloropropene	39.6	
100-41-4	Ethylbenzene	42.4	
97-63-2	Ethyl methacrylate	157	
87-68-3	Hexachloro-1,3-butadiene	45.4	
110-54-3	n-Hexane	39.2	
591-78-6	2-Hexanone	229	
74-88-4	Iodomethane	87.1	J
98-82-8	Isopropylbenzene (Cumene)	44.2	
99-87-6	p-Isopropyltoluene	40.4	
75-09-2	Methylene Chloride	34.9	
108-10-1	4-Methyl-2-pentanone (MIBK)	214	
1634-04-4	Methyl-tert-butyl ether	86.0	
91-20-3	Naphthalene	43.1	
103-65-1	n-Propylbenzene	41.1	
100-42-5	Styrene	44.4	
630-20-6	1,1,1,2-Tetrachloroethane	44.4	
79-34-5	1,1,2,2-Tetrachloroethane	38.9	
127-18-4	Tetrachloroethene	43.5	
108-88-3	Toluene	41.1	
87-61-6	1,2,3-Trichlorobenzene	44.8	
120-82-1	1,2,4-Trichlorobenzene	45.4	
71-55-6	1,1,1-Trichloroethane	41.3	
79-00-5	1,1,2-Trichloroethane	41.6	
79-01-6	Trichloroethene	42.9	
75-69-4	Trichlorofluoromethane	42.2	
96-18-4	1,2,3-Trichloropropane	37.7	
95-63-6	1,2,4-Trimethylbenzene	41.7	
108-67-8	1,3,5-Trimethylbenzene	40.2	
108-05-4	Vinyl acetate	188	
75-01-4	Vinyl chloride	50.8	
1330-20-7	Xylene (Total)	131	

07/21/2014 10:54

Pace Analytical Services, Inc.

Data file : \\192.168.50.6\chem\50mv3a.i\a070214.b\a021cssx.d
 Lab Smp Id: 1122045 Client Smp ID: MBLCS
 Inj Date : 02-JUL-2014 10:36
 Operator : jlz Inst ID: 50mv3a.i
 Smp Info : 1122045,71089:5
 Misc Info : 66411
 Comment :
 Method : \\192.168.50.6\chem\50mv3a.i\a070214.b\ -a8260_a_c.m
 Meth Date : 03-Jul-2014 11:07 50mv3a.i Quant Type: ISTD
 Cal Date : 19-JUN-2014 18:33 Cal File: a08cal.d
 Als bottle: 5 QC Sample: LCS
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: most.sub
 Target Version: 4.14

Concentration Formula: Amt * DF * Uf/(Ws*(100-M)/100)) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Ws	5.000	Weight of sample extracted (g)
M	0.00000	% Moisture (not decanted)
Va	0.00000	Volume of aliquot extract added (uL)
Cpnd Variable		Local Compound Variable

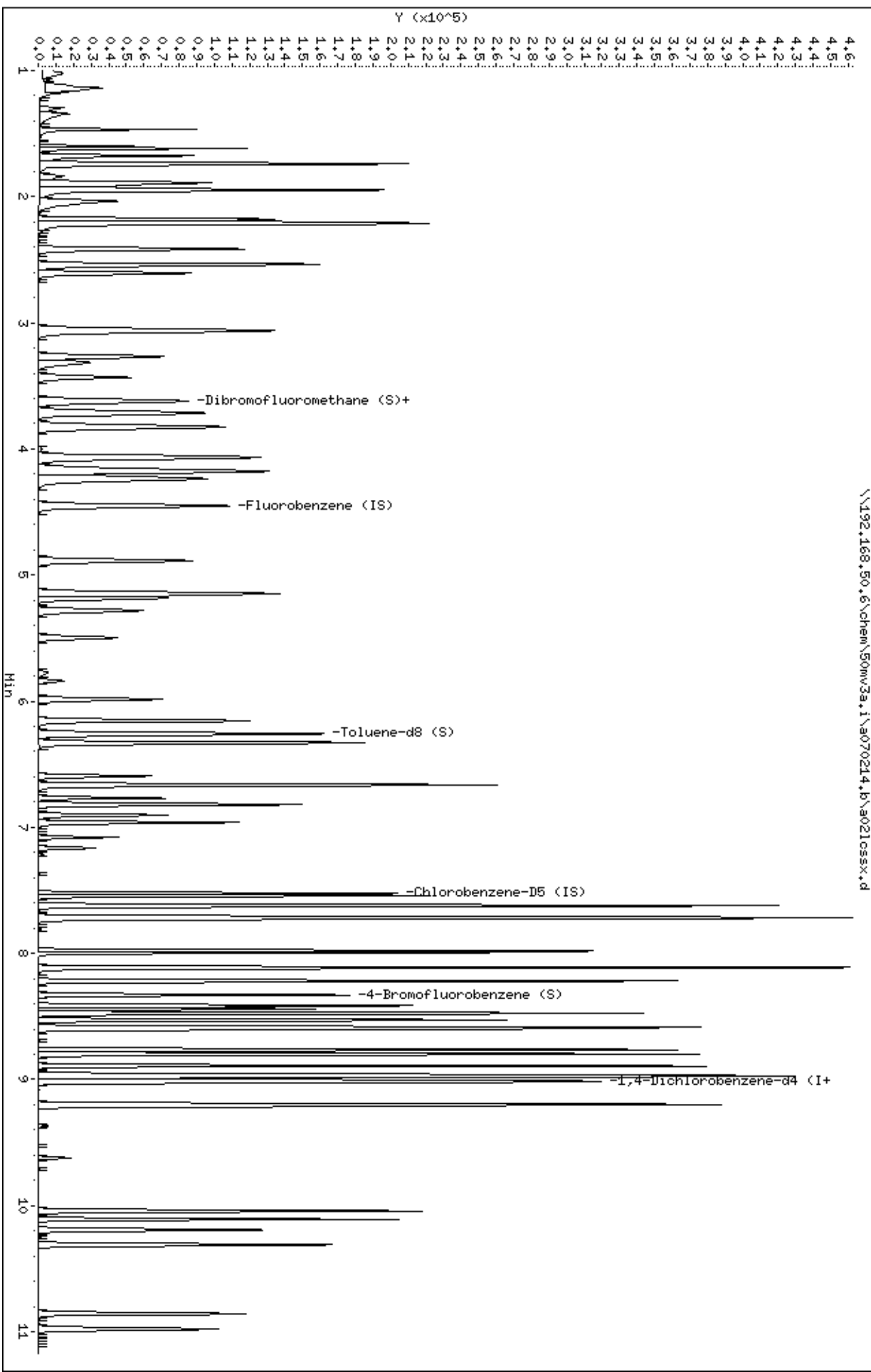
Compounds	QUANT	SIG	CONCENTRATIONS					REVIEW C	
			ON-COLUMN	FINAL					
	MASS		RT	EXP RT	REL RT	RESPONSE	(ug/L)	(ppb)	
1 Dichlorodifluoromethane	85		1.021	1.026	(0.229)	25890	33.1492	33.1	
2 Chloromethane	50		1.120	1.126	(0.252)	32516	48.9463	48.9	
3 Vinyl Chloride	62		1.136	1.136	(0.255)	33309	50.8381	50.8	
4 Bromomethane	94		1.293	1.293	(0.290)	11870	41.2401	41.2	
5 Chloroethane	64		1.345	1.345	(0.302)	19733	52.5360	52.5	
6 Trichlorofluoromethane	101		1.465	1.466	(0.329)	43901	42.2025	42.2	
9 Acrolein	56		1.675	1.675	(0.376)	52367	1366.88	1370	
11 1,1-Dichloroethene	96		1.737	1.738	(0.390)	23743	43.1923	43.2	
12 Acetone	43		1.748	1.748	(0.393)	26338	299.010	299	
13 Iodomethane	142		1.837	1.837	(0.413)	30600	87.1187	87.1	
14 Carbon Disulfide	76		1.889	1.889	(0.424)	143288	89.3859	89.4	
15 Methyl Acetate	43		1.931	1.931	(0.434)	12387	54.6096	54.6	
17 Methylene Chloride	84		2.030	2.031	(0.456)	26270	34.9091	34.9	
18 tert-Butyl Alcohol	59		2.077	2.083	(0.467)	2120	103.541	104 (Q)	
19 Acrylonitrile	53		2.177	2.177	(0.489)	98508	899.859	900	
20 Methyl-tert-butyl ether	73		2.203	2.203	(0.495)	109507	85.9954	86.0	
21 1,2-Dichloroethene (trans)	96		2.219	2.219	(0.498)	26574	41.8181	41.8	
22 n-Hexane	57		2.417	2.418	(0.543)	42883	39.2098	39.2	
24 1,1-Dichloroethane	63		2.548	2.548	(0.572)	46305	42.6160	42.6	
23 Vinyl Acetate	43		2.532	2.538	(0.569)	145209	188.392	188	
25 2-Butanone	43		3.045	3.045	(0.684)	34223	238.009	238	

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS		REVIEW C
						ON-COLUMN (ug/L)	FINAL (ppb)	
26 1,2-Dichloroethene (cis)	96	3.061	3.061	(0.688)	27104	41.9951	42.0	
27 2,2-Dichloropropane	77	3.066	3.066	(0.689)	36473	45.9385	45.9	
29 Bromochloromethane	49	3.312	3.312	(0.744)	14452	44.1280	44.1	
31 Chloroform	83	3.432	3.432	(0.771)	42831	40.5490	40.5	
\$ 32 Dibromofluoromethane (S)	113	3.620	3.626	(0.813)	23152	49.3935	49.4	
33 1,1,1-Trichloroethane	97	3.620	3.626	(0.813)	38720	41.3408	41.3	
34 Cyclohexane	56	3.714	3.715	(0.834)	50276	46.0117	46.0	
35 Carbon Tetrachloride	117	3.819	3.819	(0.858)	29800	38.9779	39.0	
36 1,1-Dichloropropene	75	3.829	3.830	(0.860)	38771	41.3713	41.4	
37 Benzene	78	4.070	4.070	(0.914)	107808	46.1390	46.1	
38 1,2-Dichloroethane	62	4.154	4.149	(0.933)	26288	39.3755	39.4	
40 2,2,4-Trimethylpentane	57	4.237	4.238	(0.952)	109551	41.1567	41.2	
* 41 Fluorobenzene (IS)	96	4.452	4.452	(1.000)	100823	50.0000		
42 Trichloroethene	95	4.886	4.886	(1.097)	27404	42.9403	42.9	
43 Methylcyclohexane	55	5.147	5.148	(1.156)	41697	44.9974	45.0	
44 1,2-Dichloropropane	63	5.184	5.184	(1.164)	23843	44.4233	44.4	
45 Dibromomethane	93	5.278	5.278	(1.186)	9346	39.6443	39.6	
46 1,4-Dioxane	88	5.283	5.289	(1.187)	2798	821.826	822	
47 Methyl methacrylate	69	5.289	5.289	(1.188)	11004	43.1044	43.1	
48 Bromodichloromethane	83	5.498	5.498	(1.235)	28178	41.4469	41.4	
49 2-Chloroethyl vinyl ether	63	5.838	5.838	(0.776)	5703	37.9499	37.9	
50 cis-1,3-Dichloropropene	75	5.984	5.985	(0.796)	34043	39.0013	39.0	
51 4-Methyl-2-Pentanone	43	6.152	6.152	(0.818)	76144	213.953	214	
\$ 52 Toluene-d8 (S)	98	6.256	6.256	(0.832)	100587	48.2889	48.3	
53 Toluene	91	6.329	6.330	(0.841)	122424	41.0790	41.1	
54 trans-1,3-Dichloropropene	75	6.591	6.591	(0.876)	25838	39.6006	39.6	
55 Ethyl Methacrylate	69	6.664	6.664	(0.886)	97223	157.365	157	
56 1,1,2-Trichloroethane	83	6.769	6.769	(0.900)	13897	41.6432	41.6	
57 Tetrachloroethene	166	6.821	6.821	(0.907)	37087	43.5081	43.5	
58 1,3-Dichloropropane	76	6.899	6.905	(0.917)	30896	40.9954	41.0	
59 2-Hexanone	43	6.962	6.963	(0.926)	55744	229.111	229	
60 Dibromochloromethane	129	7.083	7.083	(0.942)	18119	36.9538	37.0	
61 1,2-Dibromoethane	107	7.166	7.161	(0.953)	16258	45.7012	45.7	
* 62 Chlorobenzene-D5 (IS)	117	7.522	7.522	(1.000)	78433	50.0000		
63 Chlorobenzene	112	7.543	7.543	(1.003)	78840	42.0942	42.1	
64 1,1,1,2-Tetrachloroethane	131	7.616	7.616	(1.013)	24763	44.4110	44.4	
65 Ethylbenzene	106	7.621	7.622	(1.013)	47364	42.4297	42.4	
66 m&p-Xylene	106	7.721	7.716	(1.026)	118874	87.3886	87.4	
67 o-Xylene	106	7.977	7.977	(1.060)	55314	43.4964	43.5	
68 Styrene	104	7.993	7.993	(1.063)	93127	44.3635	44.4	
69 Bromoform	173	8.113	8.113	(0.901)	11316	38.3093	38.3	
70 Isopropylbenzene	105	8.217	8.218	(1.092)	157798	44.2449	44.2	
\$ 71 4-Bromofluorobenzene (S)	95	8.333	8.328	(1.108)	37186	50.8443	50.8	
72 Bromobenzene	77	8.411	8.411	(1.118)	50807	41.9210	41.9	
73 1,1,2,2-Tetrachloroethane	83	8.416	8.417	(0.934)	19963	38.9322	38.9	
74 trans-1,4-Dichloro-2-butene	53	8.437	8.437	(1.122)	19664	152.387	152 (Q)	
75 1,2,3-Trichloropropane	110	8.448	8.448	(0.938)	6423	37.6682	37.7 (Q)	
76 n-Propylbenzene	91	8.474	8.474	(0.941)	185291	41.1469	41.1	
77 2-Chlorotoluene	91	8.526	8.526	(0.947)	99945	39.6402	39.6	
78 1,3,5-Trimethylbenzene	105	8.584	8.584	(0.953)	133311	40.2202	40.2	
79 4-Chlorotoluene	126	8.599	8.600	(0.955)	36383	41.5442	41.5	
80 tert-Butylbenzene	119	8.767	8.767	(0.973)	122116	34.2578	34.2	
81 1,2,4-Trimethylbenzene	105	8.798	8.798	(0.977)	137730	41.6542	41.6	
82 sec-Butylbenzene	105	8.892	8.892	(0.987)	180767	40.8990	40.9	

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS		REVIEW C
						ON-COLUMN (ug/L)	FINAL (ppb)	
83 1,3-Dichlorobenzene	146	8.960	8.960	(0.995)	74628	41.3380	41.3	
84 p-Isopropyltoluene	119	8.976	8.976	(0.997)	155389	40.4083	40.4	
* 85 1,4-Dichlorobenzene-d4 (IS)	152	9.007	9.008	(1.000)	45632	50.0000		
86 1,4-Dichlorobenzene	146	9.018	9.018	(1.001)	75282	41.8060	41.8	
87 n-Butylbenzene	91	9.196	9.196	(1.021)	139668	40.3488	40.3	
88 1,2-Dichlorobenzene	146	9.211	9.211	(1.023)	66780	41.8861	41.9	
89 1,2-Dibromo-3-chloropropane	155	9.619	9.619	(1.068)	3154	28.3482	28.3 (R)	
90 1,2,4-Trichlorobenzene	180	10.043	10.043	(1.115)	52187	45.4284	45.4	
91 Hexachlorobutadiene	225	10.111	10.111	(1.123)	33039	45.4329	45.4	
92 Naphthalene	128	10.194	10.190	(1.132)	85575	43.1476	43.1	
93 1,2,3-Trichlorobenzene	180	10.315	10.310	(1.145)	46185	44.7936	44.8	
94 2,methyl-naphthalene	142	10.859	10.854	(1.206)	56722	45.5949	45.6	
95 1-Methylnaphthalene	142	10.979	10.979	(1.219)	48568	45.6257	45.6	

QC Flag Legend

- Q - Qualifier signal failed the ratio test.
- R - Spike/Surrogate failed recovery limits.



Date : 02-JUL-2014 10:36

Client ID: MBLCS

Instrument: 50mw3a.i

Sample Info: 1122045,71089;5

Operator: jlz

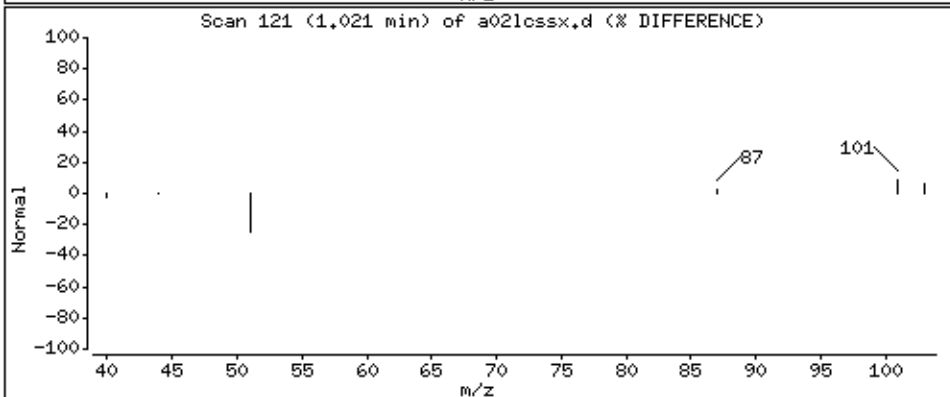
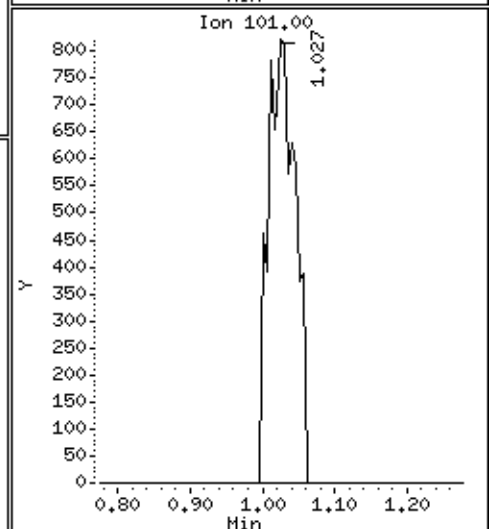
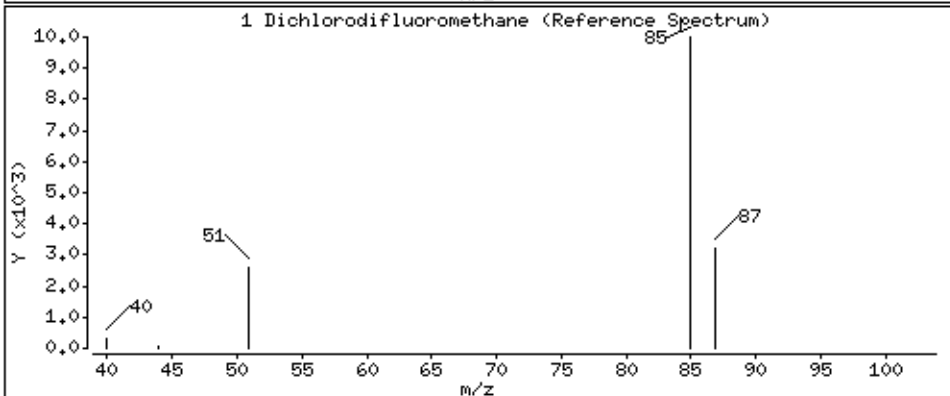
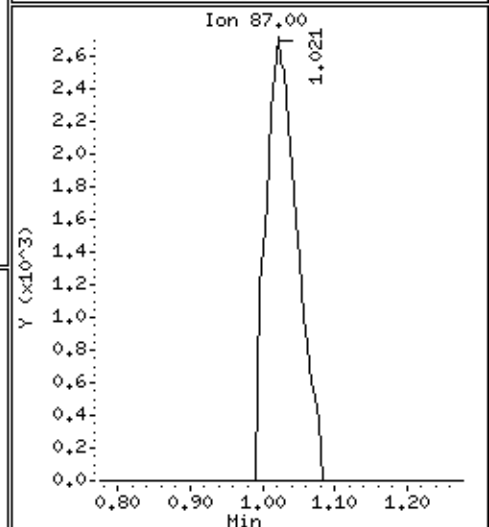
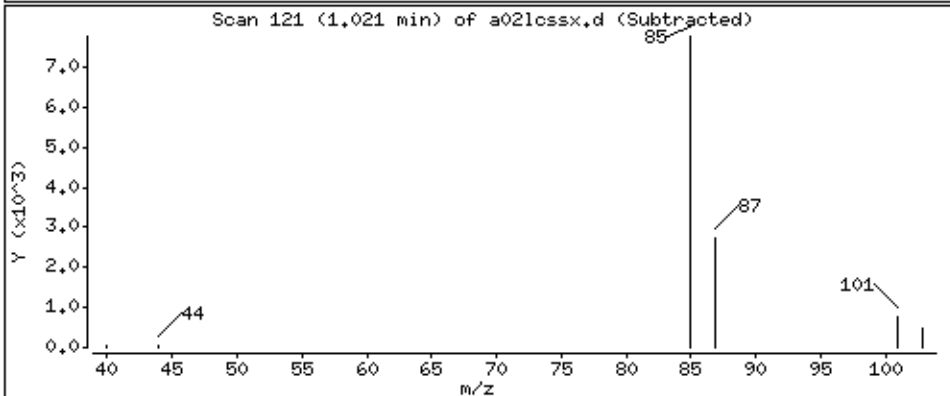
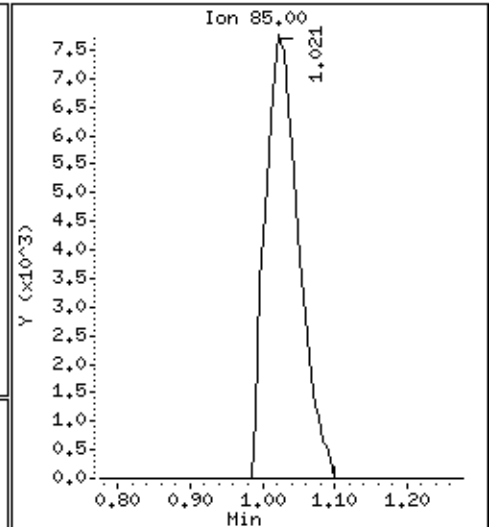
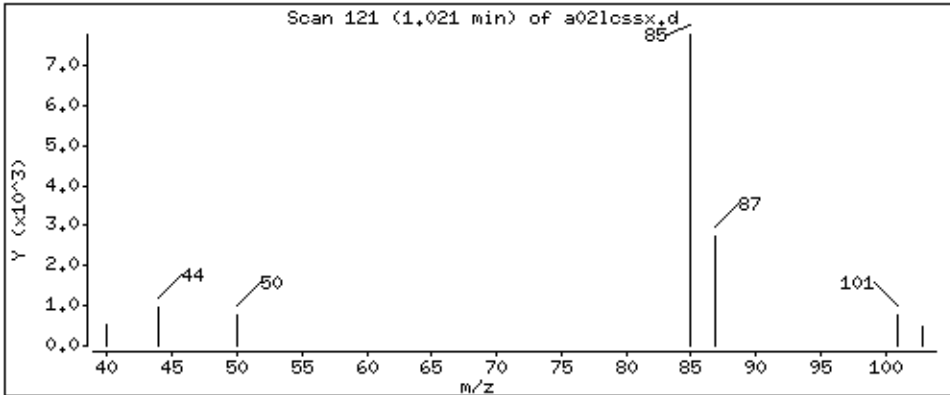
Column phase: DB-624

Column diameter: 0,18

1 Dichlorodifluoromethane

Concentration: 33,1 ppb

Review Code:



Date : 02-JUL-2014 10:36

Client ID: MBLCS

Instrument: 50mw3a.i

Sample Info: 1122045,71089;5

Operator: jlz

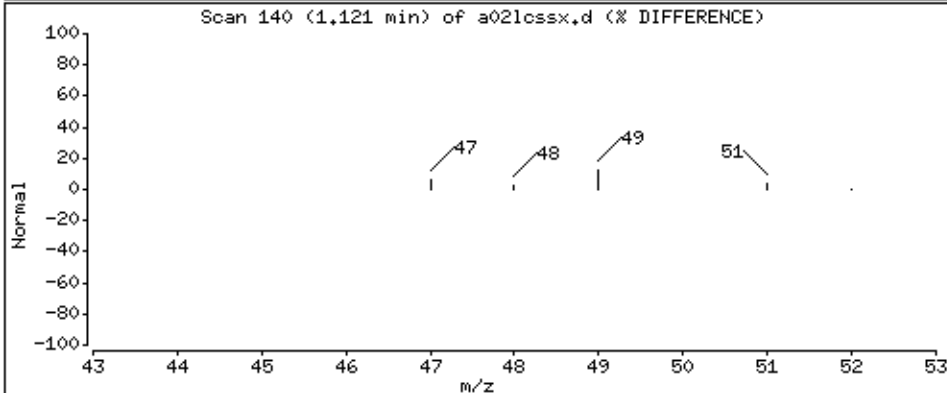
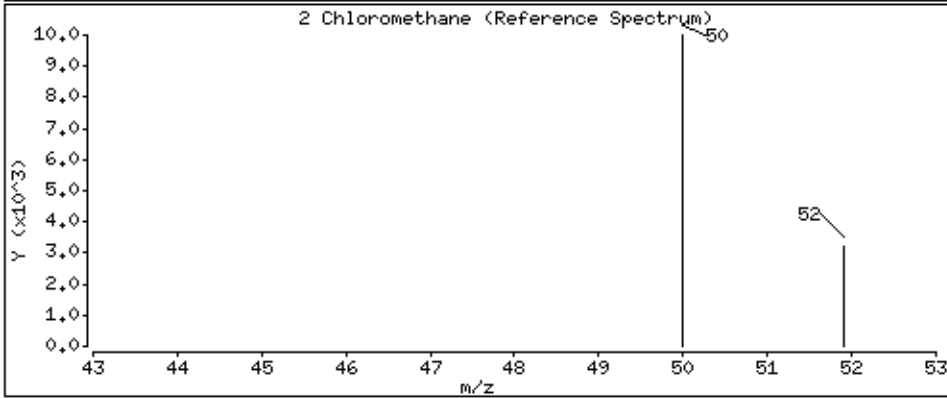
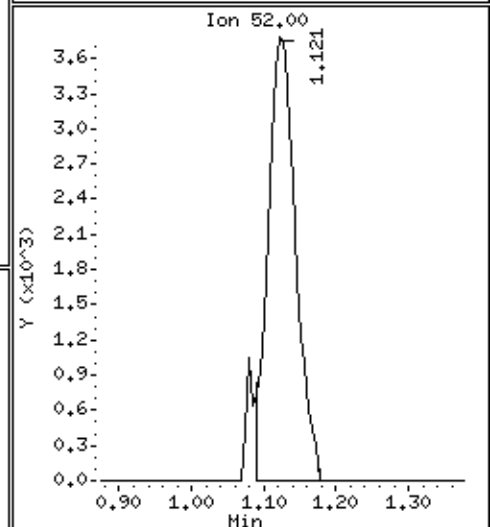
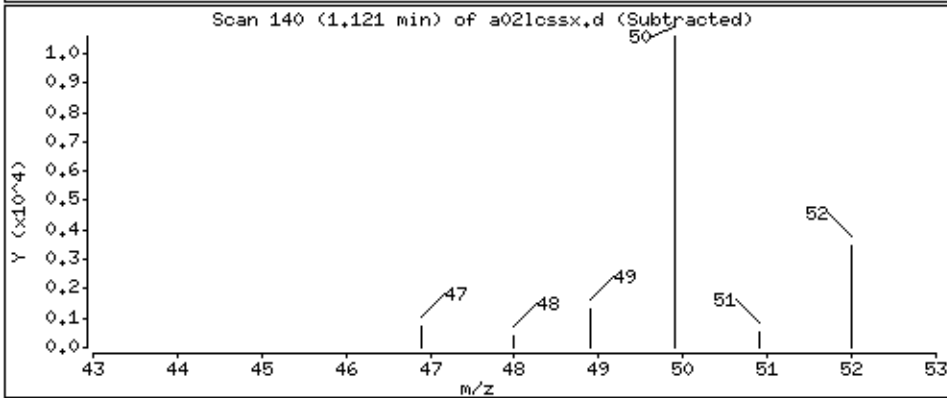
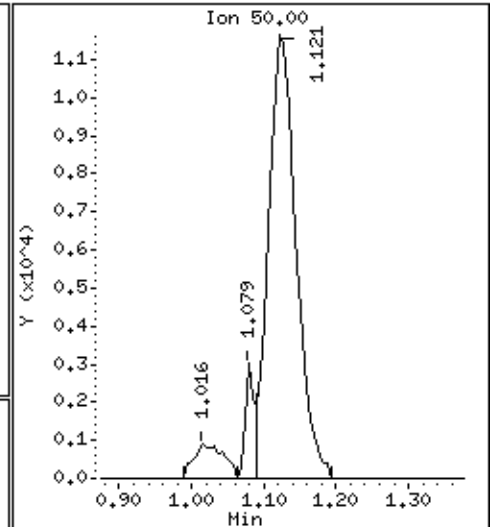
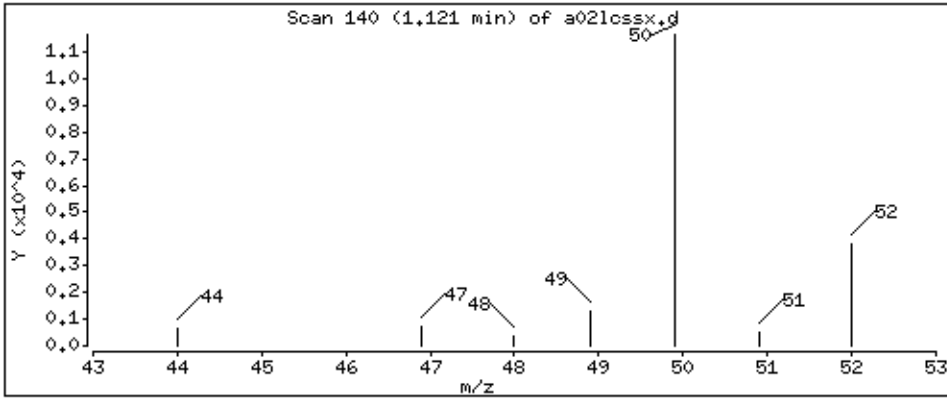
Column phase: DB-624

Column diameter: 0,18

2 Chloromethane

Concentration: 48,9 ppb

Review Code:



Date : 02-JUL-2014 10:36

Client ID: MBLCS

Instrument: 50mw3a.i

Sample Info: 1122045,71089;5

Operator: jlz

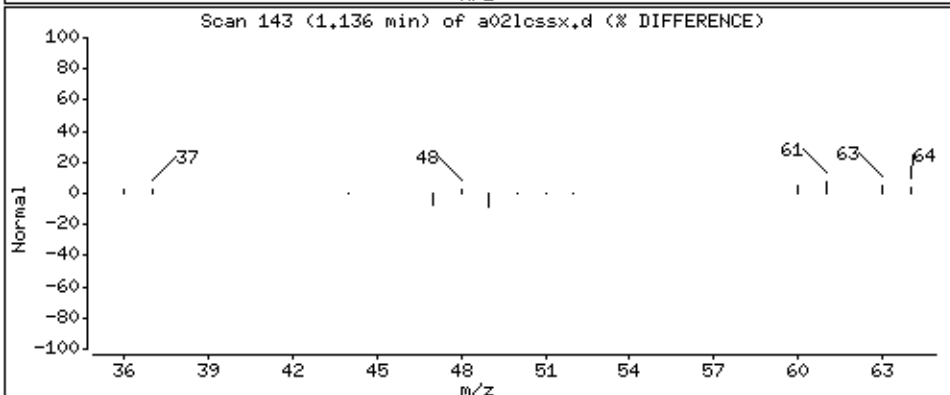
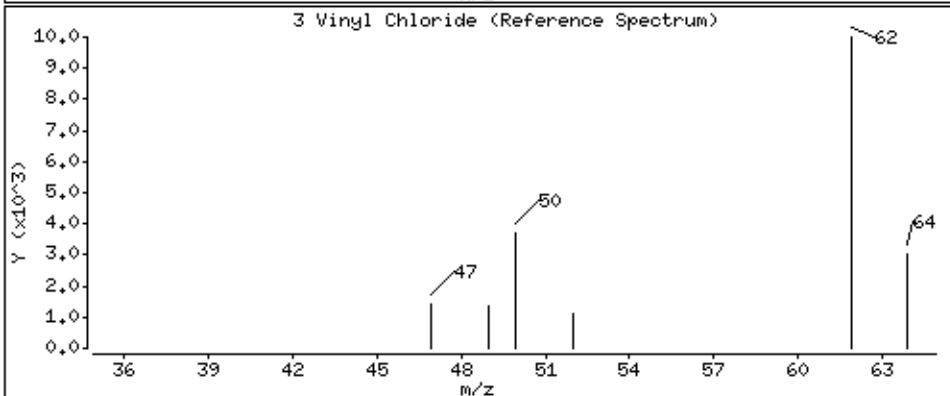
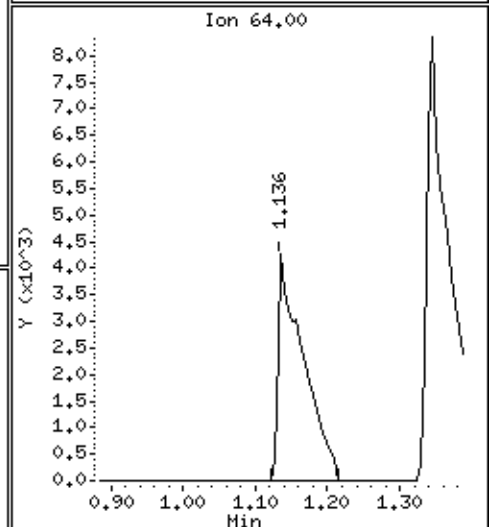
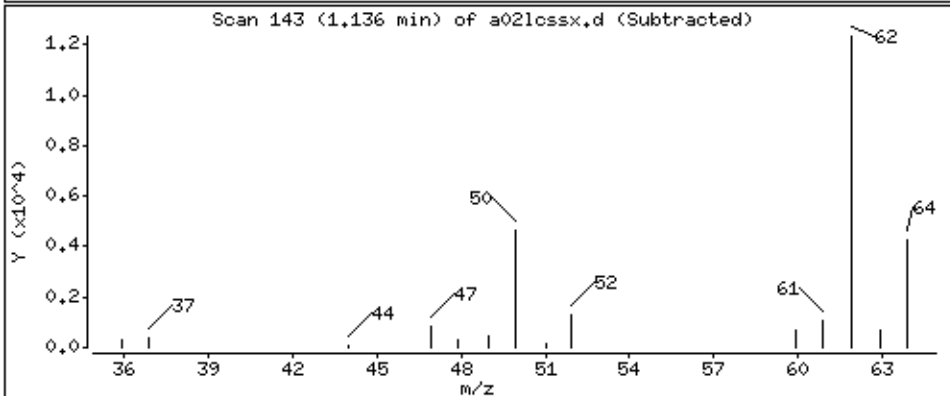
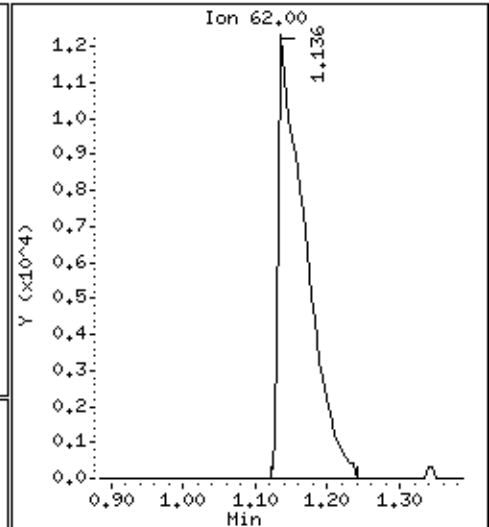
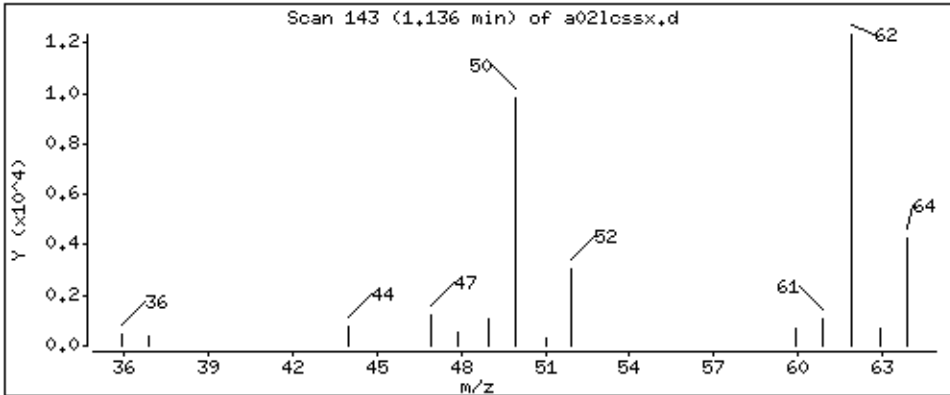
Column phase: DB-624

Column diameter: 0,18

3 Vinyl Chloride

Concentration: 50,8 ppb

Review Code:



Date : 02-JUL-2014 10:36

Client ID: MBLCS

Instrument: 50mv3a.i

Sample Info: 1122045,71089;5

Operator: jlz

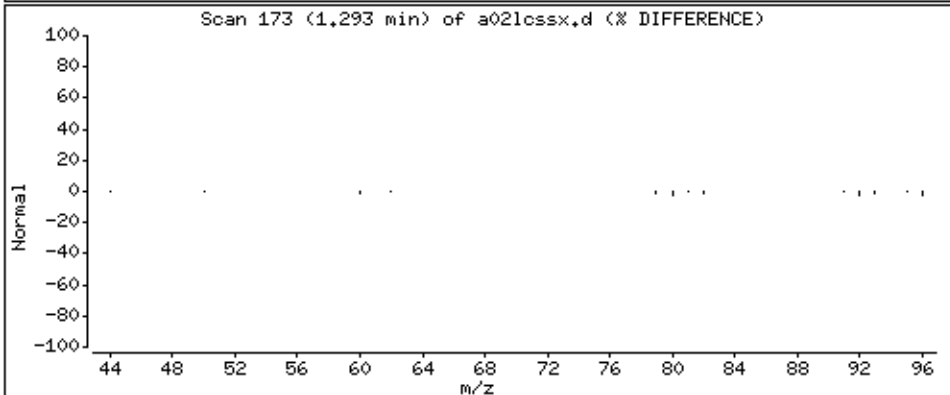
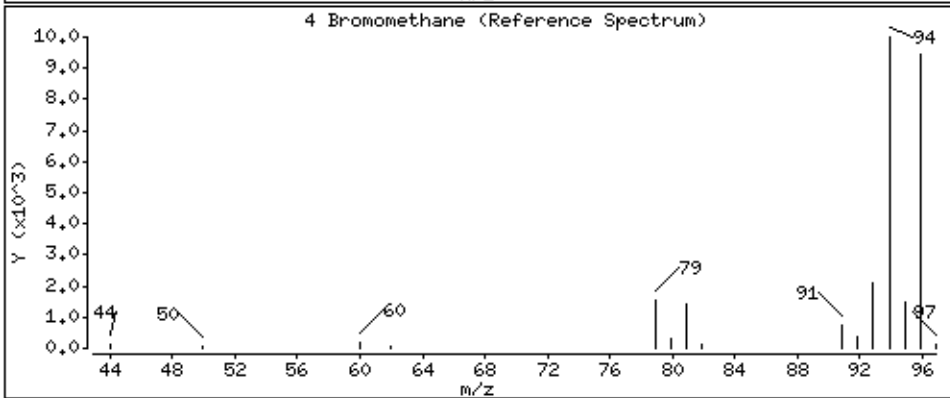
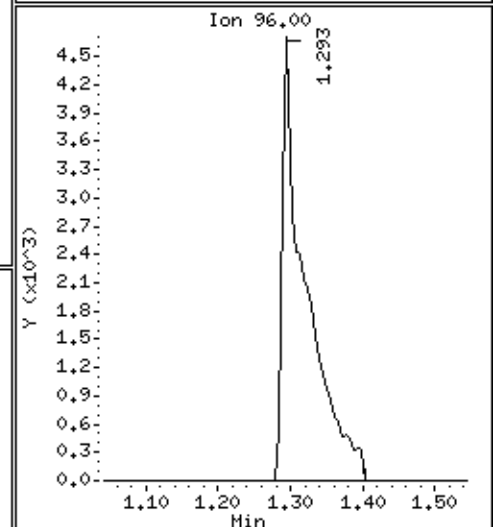
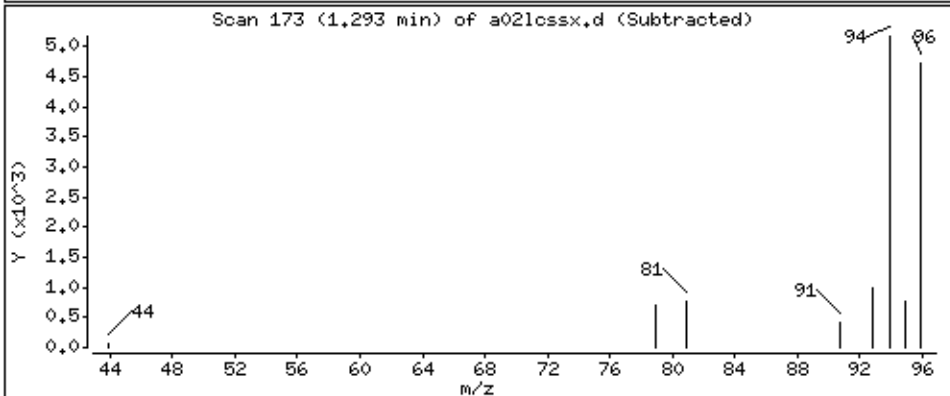
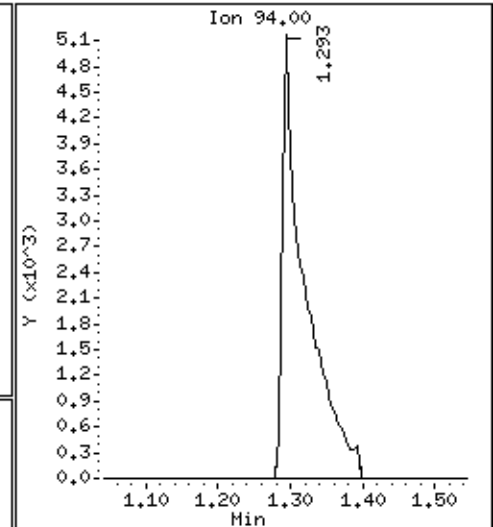
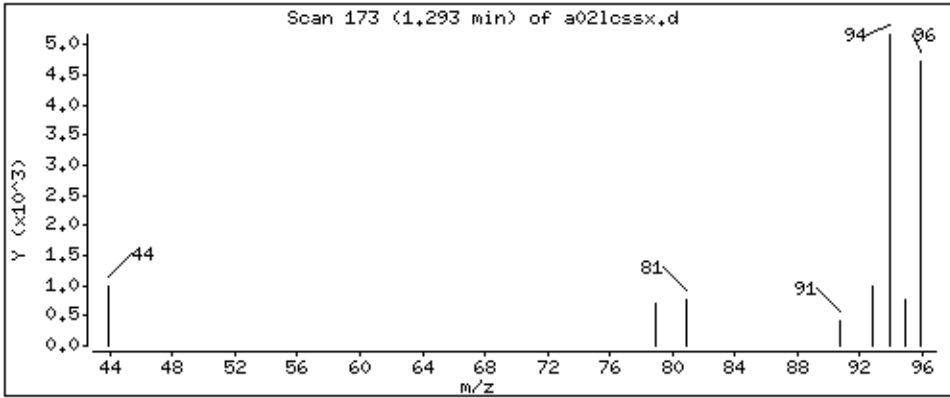
Column phase: DB-624

Column diameter: 0,18

4 Bromomethane

Concentration: 41.2 ppb

Review Code:



Date : 02-JUL-2014 10:36

Client ID: MBLCS

Instrument: 50mw3a.i

Sample Info: 1122045,71089;5

Operator: jlz

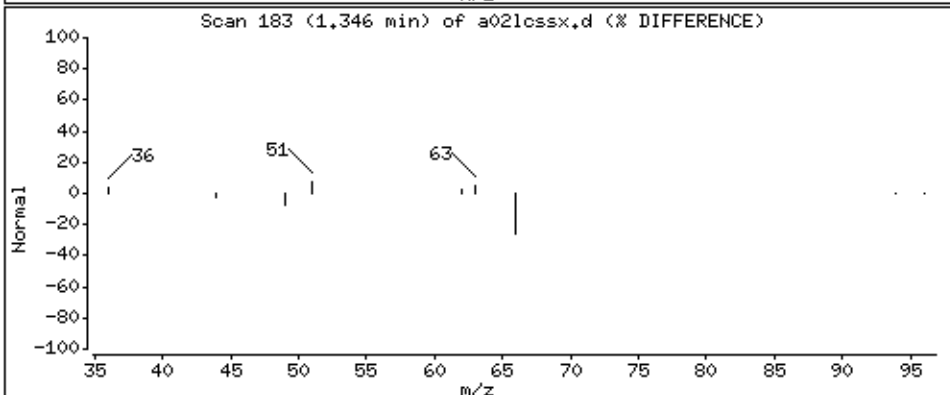
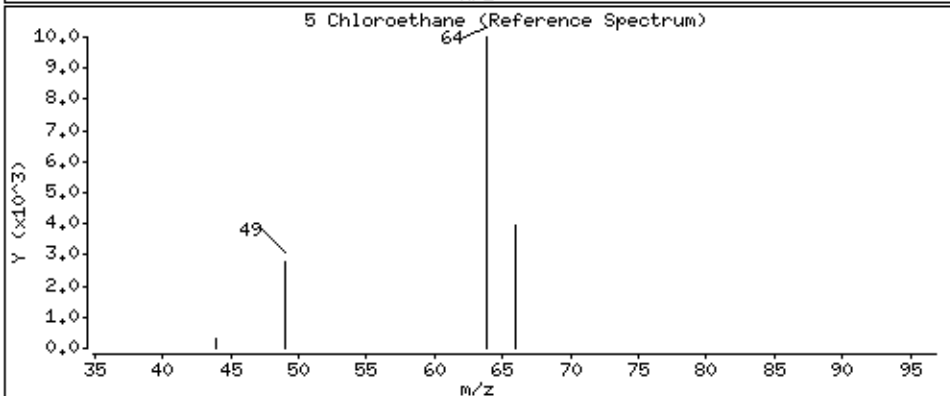
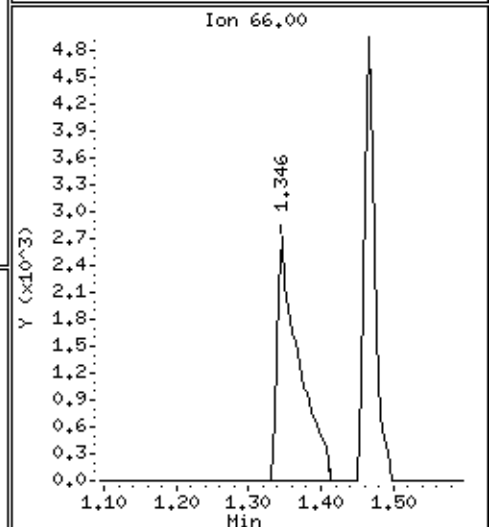
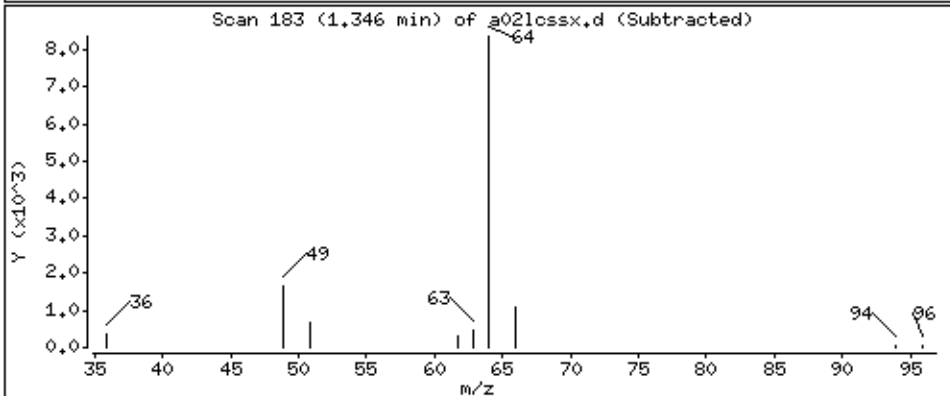
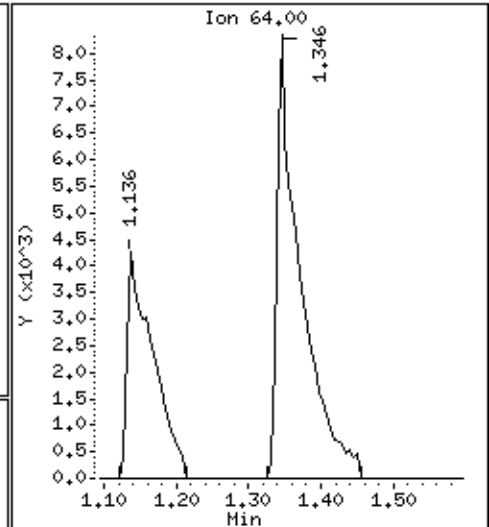
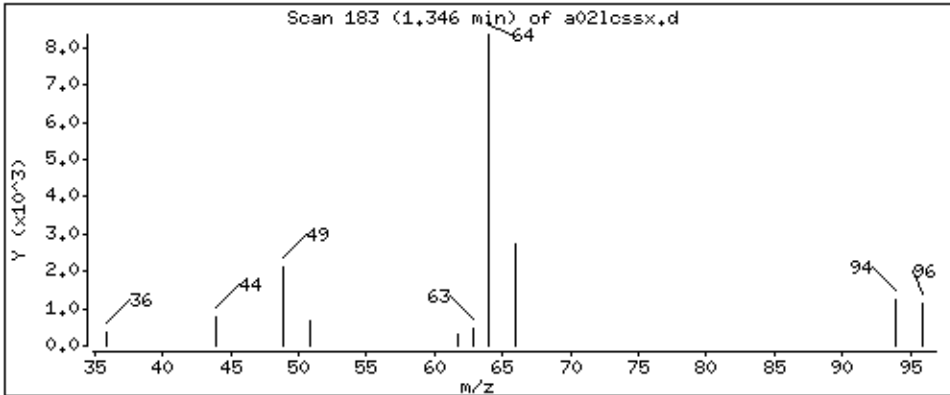
Column phase: DB-624

Column diameter: 0,18

5 Chloroethane

Concentration: 52,5 ppb

Review Code:



Date : 02-JUL-2014 10:36

Client ID: MBLCS

Instrument: 50mw3a.i

Sample Info: 1122045,71089;5

Operator: jlz

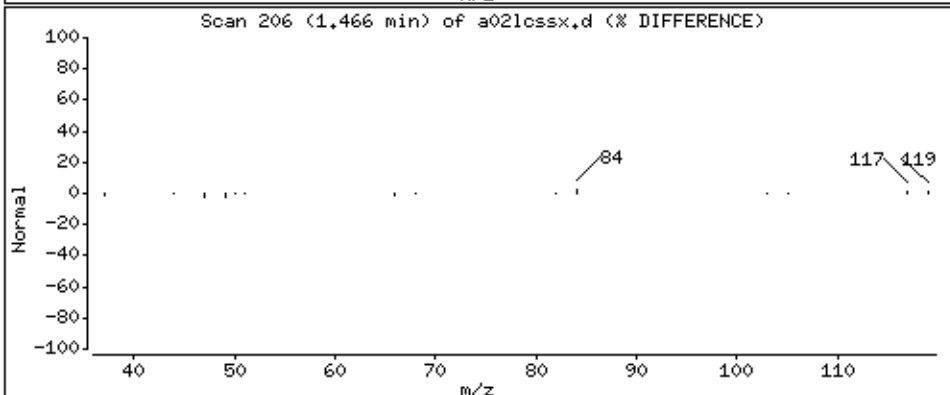
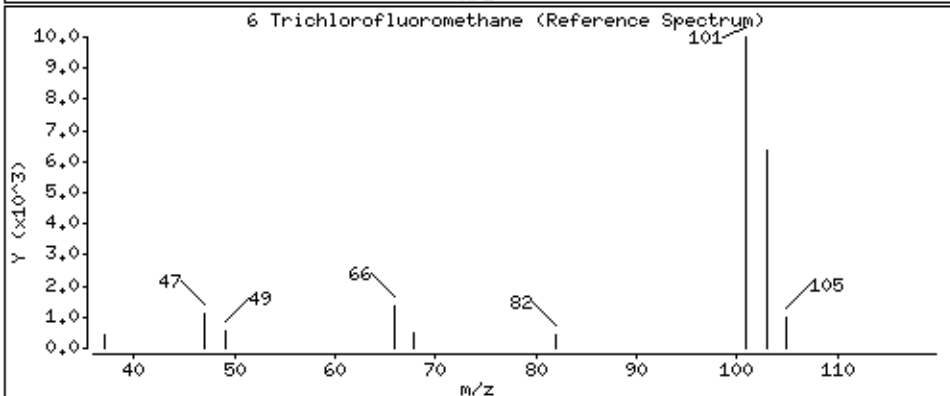
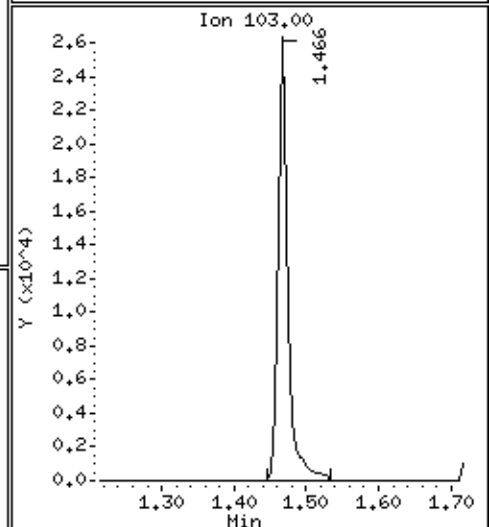
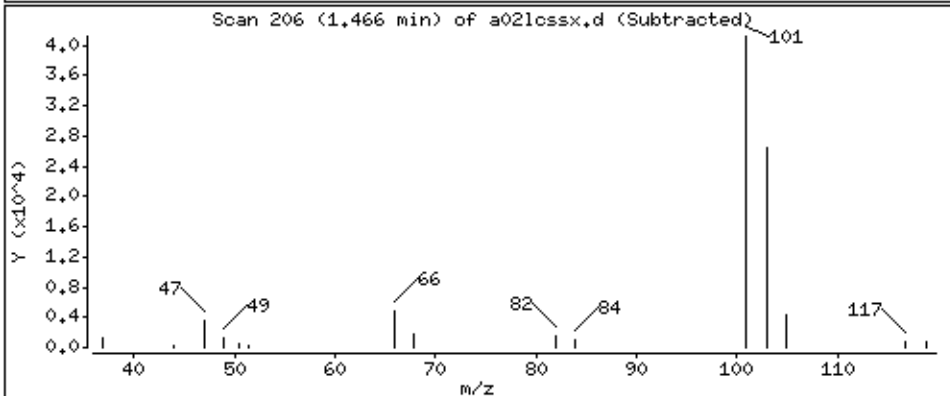
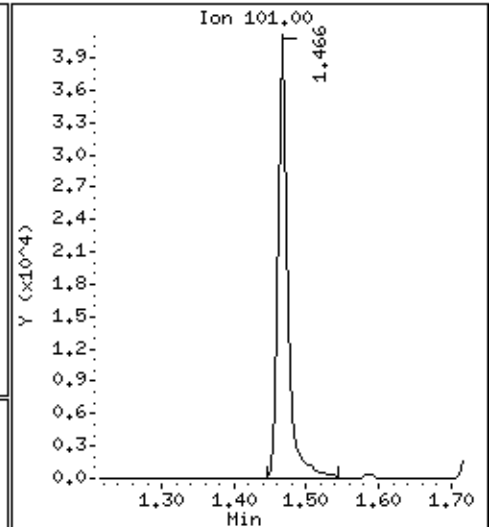
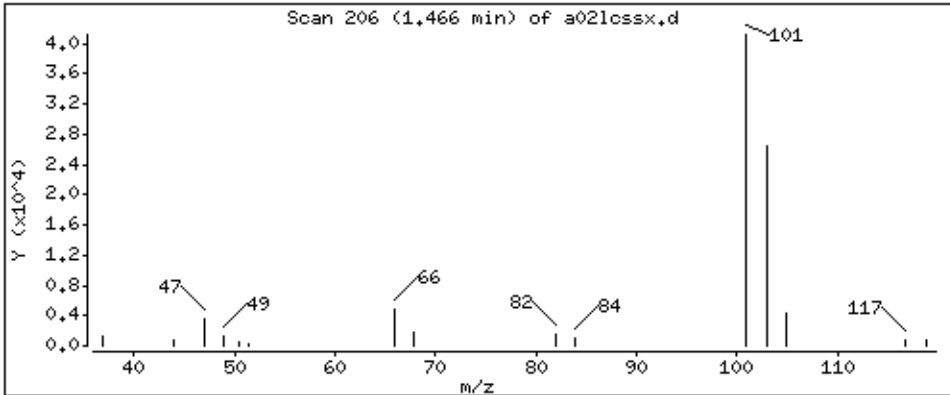
Column phase: DB-624

Column diameter: 0,18

6 Trichlorofluoromethane

Concentration: 42.2 ppb

Review Code:



Date : 02-JUL-2014 10:36

Client ID: MBLCS

Instrument: 50mv3a.i

Sample Info: 1122045,71089;5

Operator: jlz

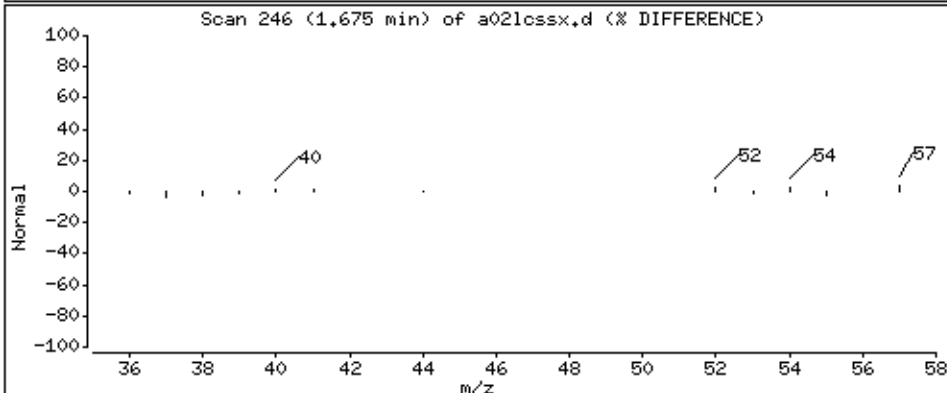
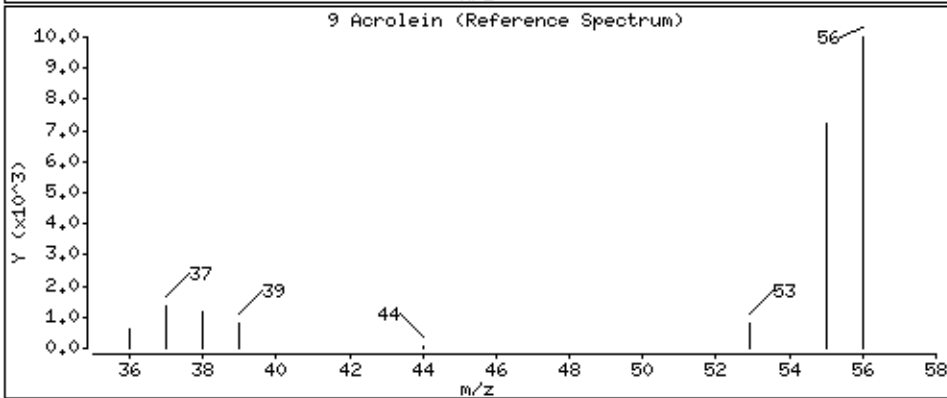
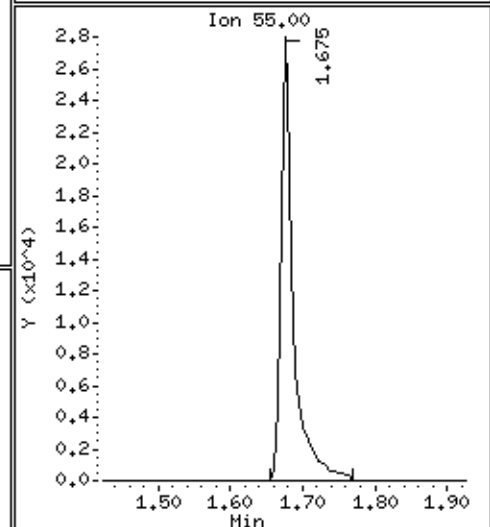
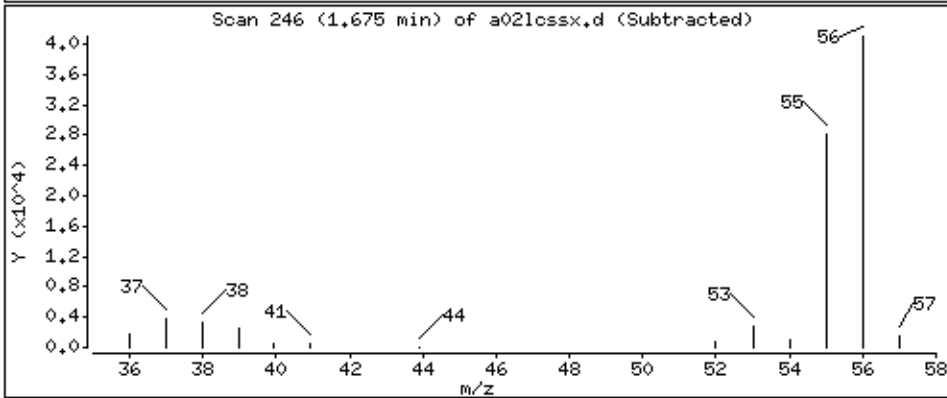
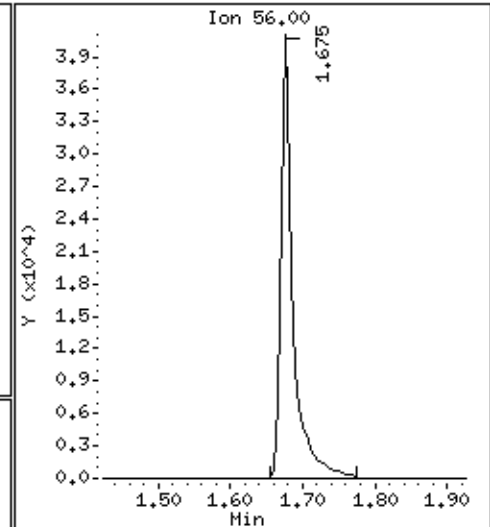
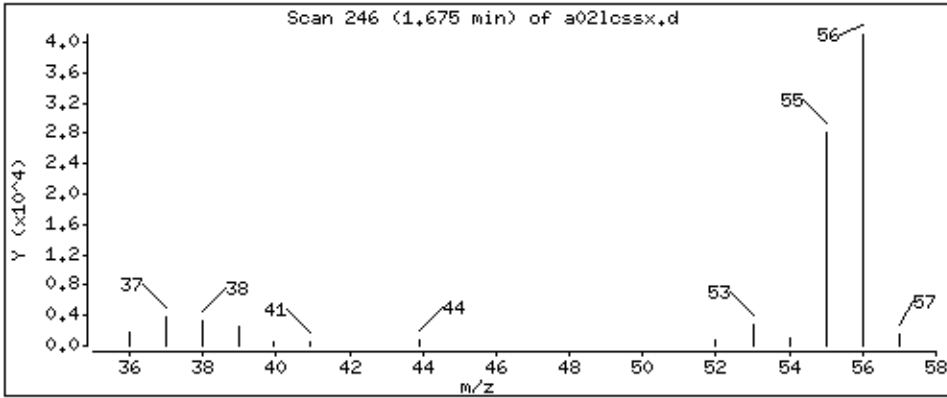
Column phase: DB-624

Column diameter: 0,18

9 Acrolein

Concentration: 1370 ppb

Review Code:



Date : 02-JUL-2014 10:36

Client ID: MBLCS

Instrument: 50mv3a.i

Sample Info: 1122045,71089;5

Operator: jlz

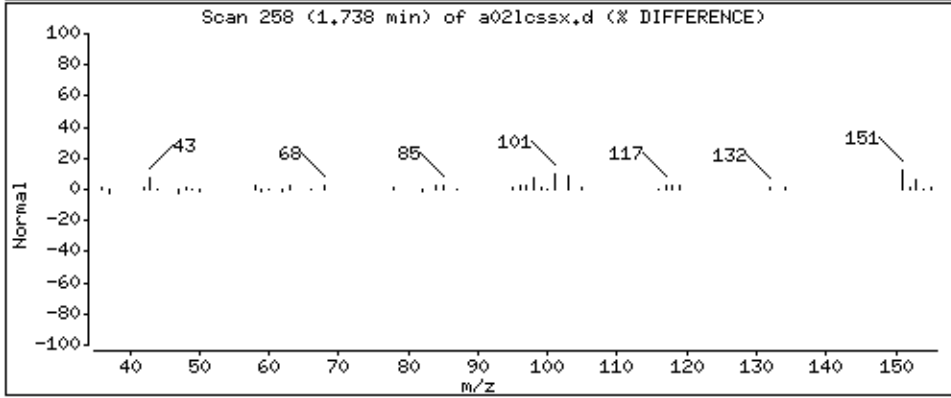
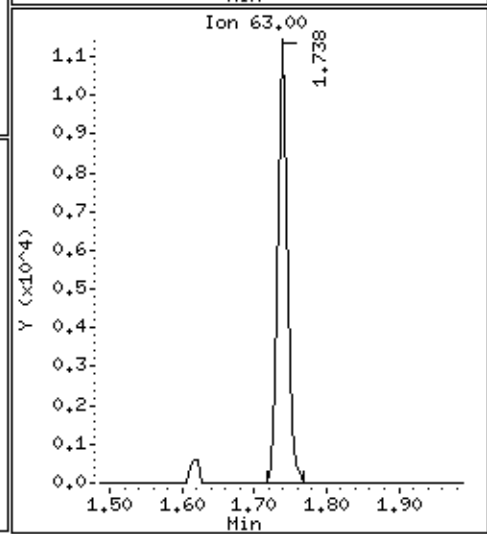
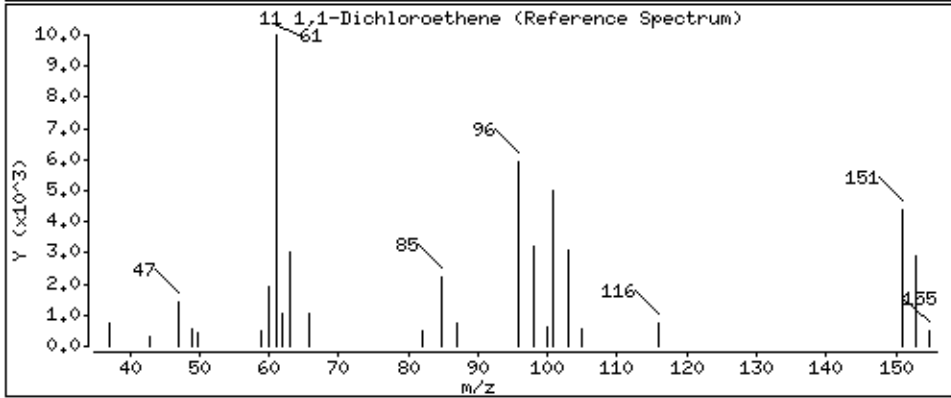
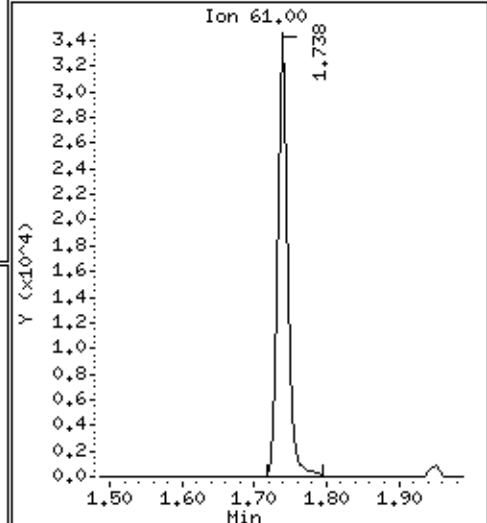
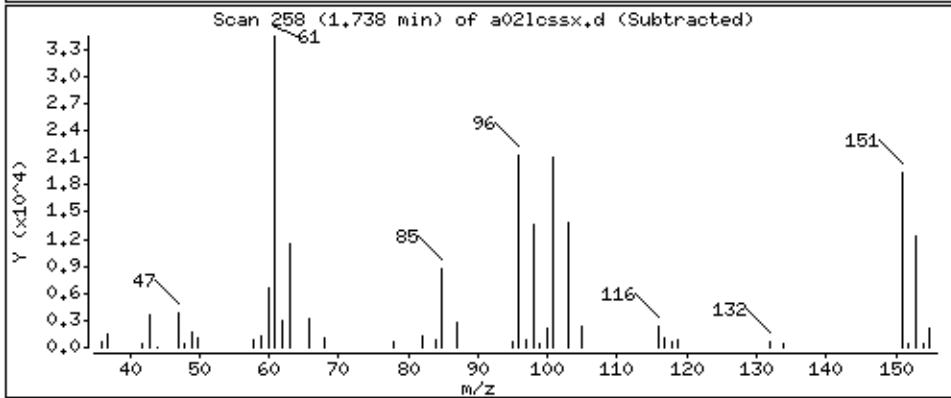
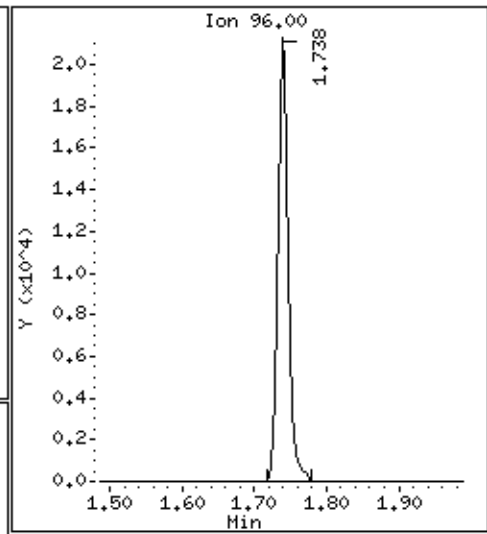
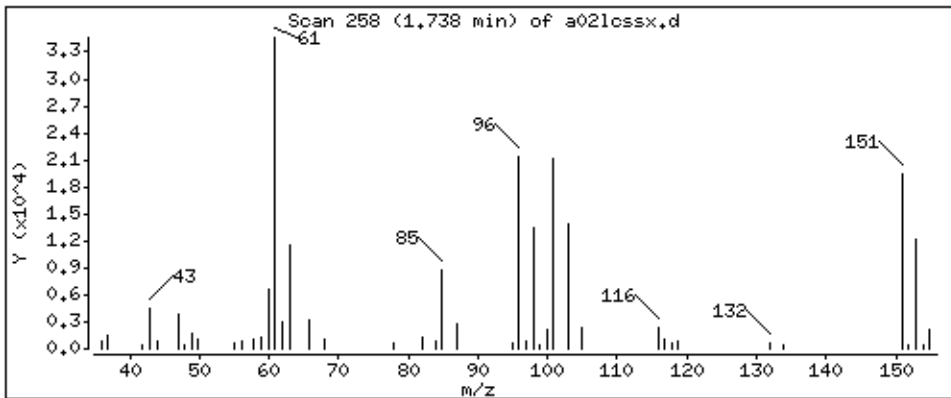
Column phase: DB-624

Column diameter: 0,18

11 1,1-Dichloroethene

Concentration: 43.2 ppb

Review Code:



Date : 02-JUL-2014 10:36

Client ID: MBLCS

Instrument: 50mv3a.i

Sample Info: 1122045,71089;5

Operator: jlz

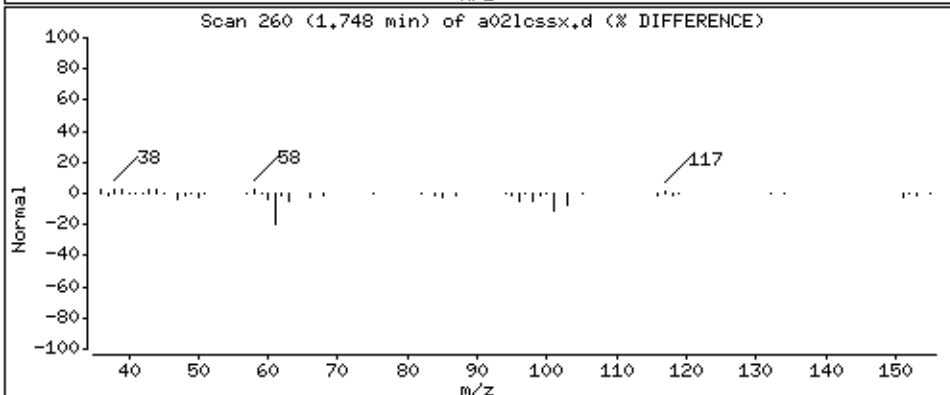
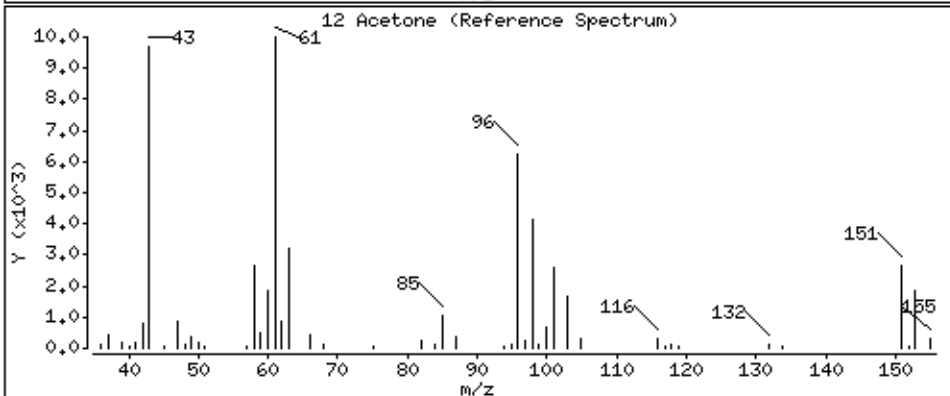
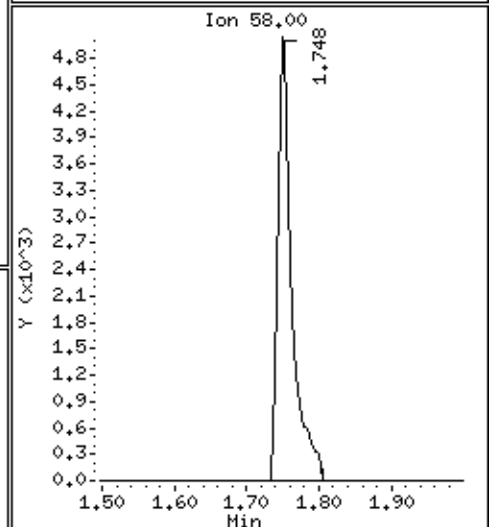
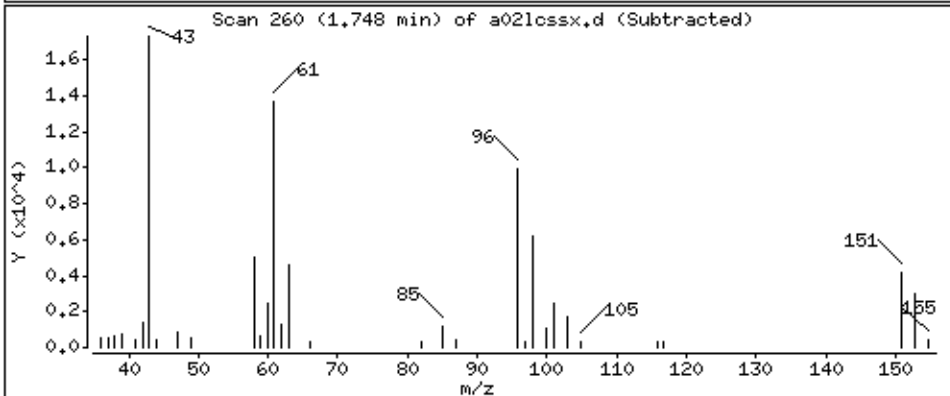
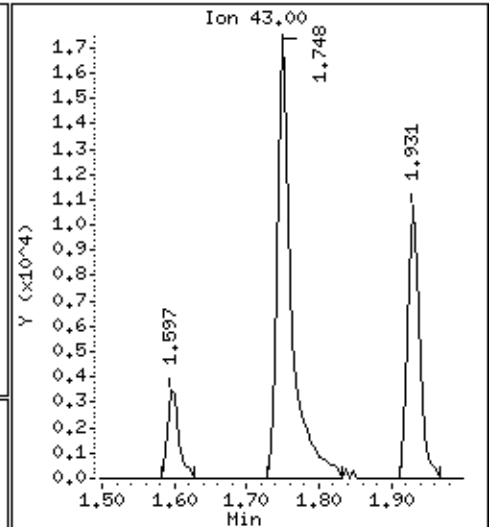
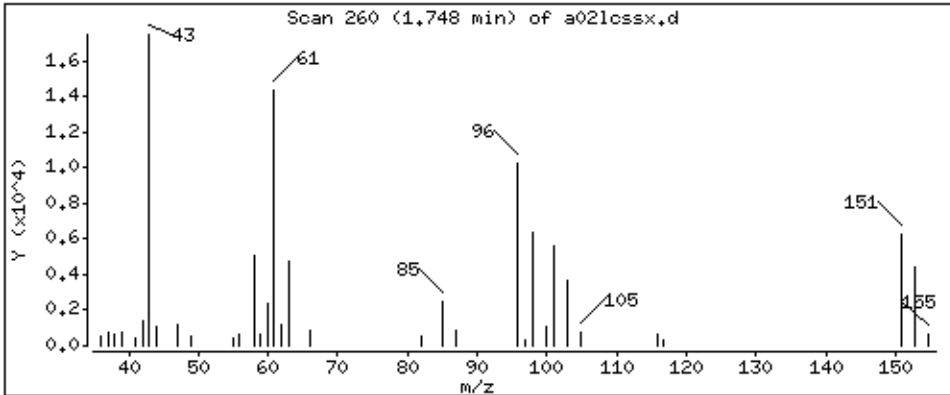
Column phase: DB-624

Column diameter: 0,18

12 Acetone

Concentration: 299 ppb

Review Code:



Date : 02-JUL-2014 10:36

Client ID: MBLCS

Instrument: 50mw3a.i

Sample Info: 1122045,71089;5

Operator: jlz

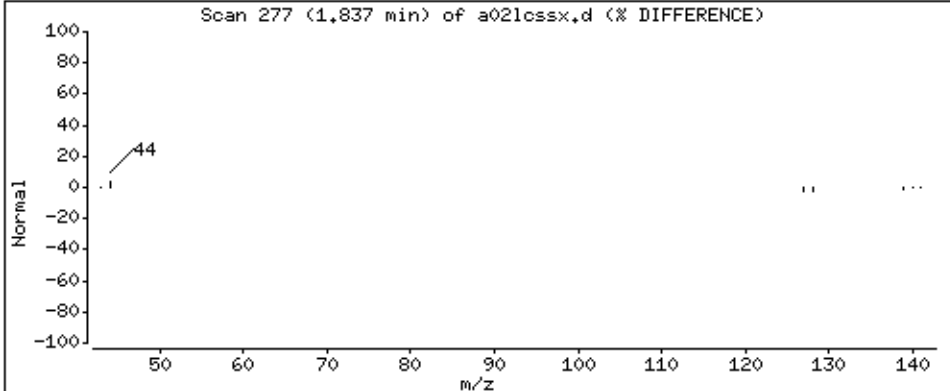
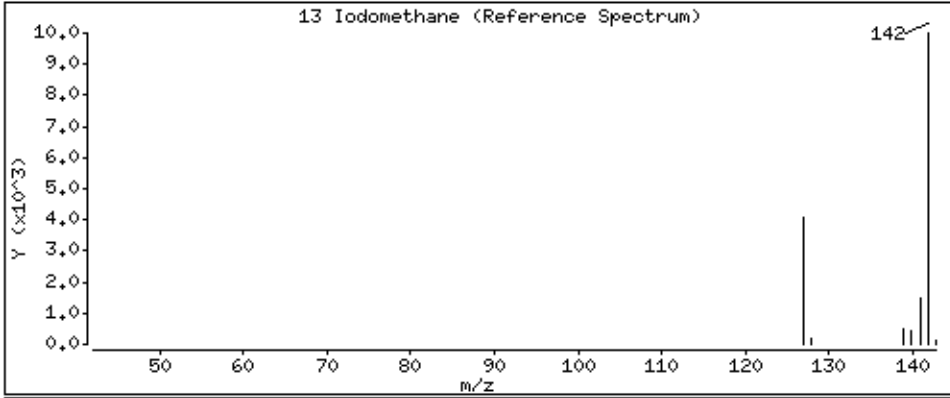
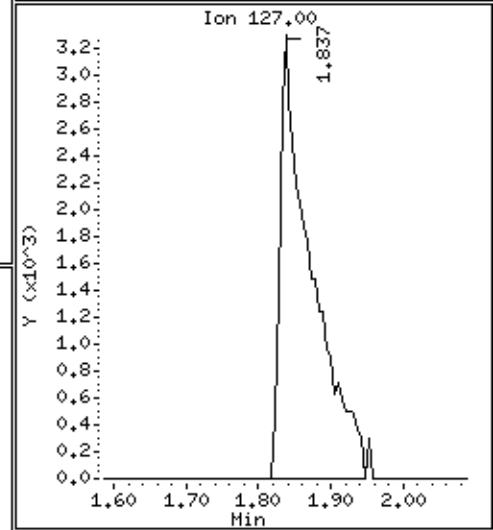
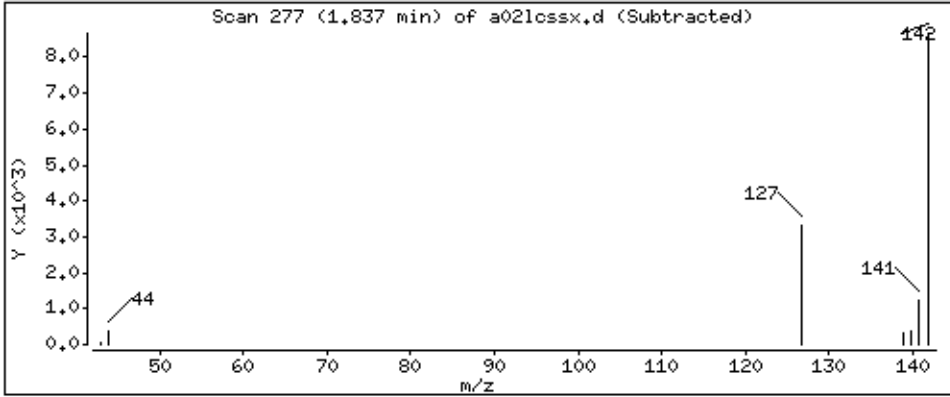
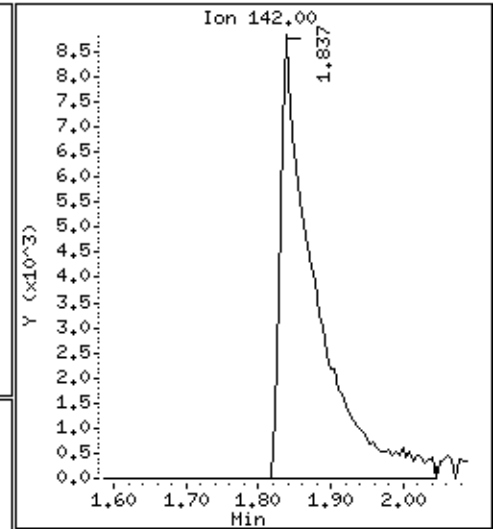
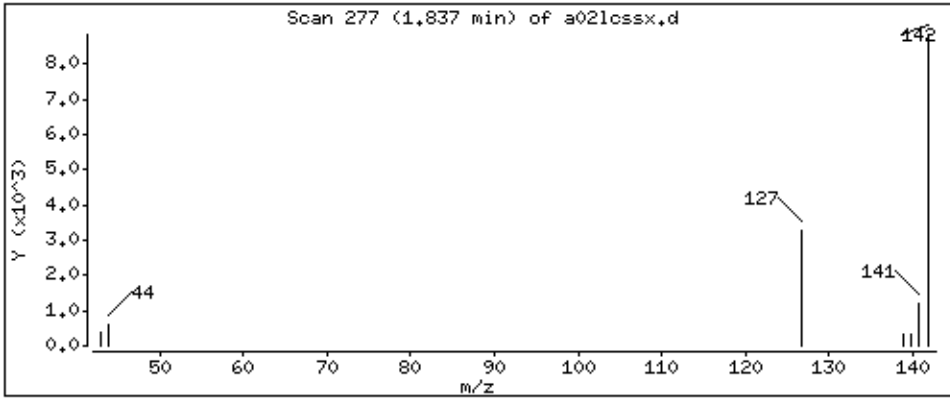
Column phase: DB-624

Column diameter: 0,18

13 Iodomethane

Concentration: 87,1 ppb

Review Code:



Date : 02-JUL-2014 10:36

Client ID: MBLCS

Instrument: 50mw3a.i

Sample Info: 1122045,71089;5

Operator: jlz

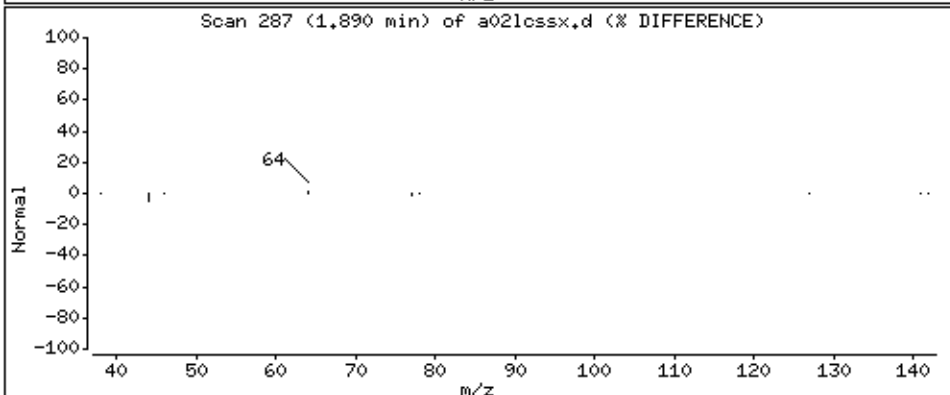
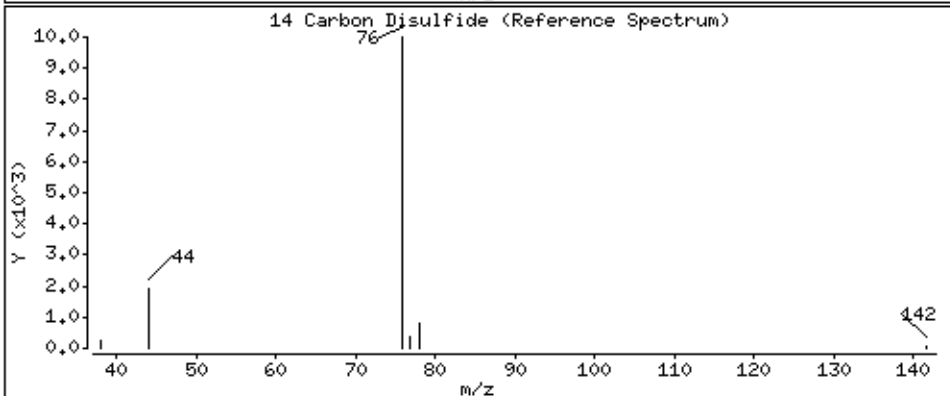
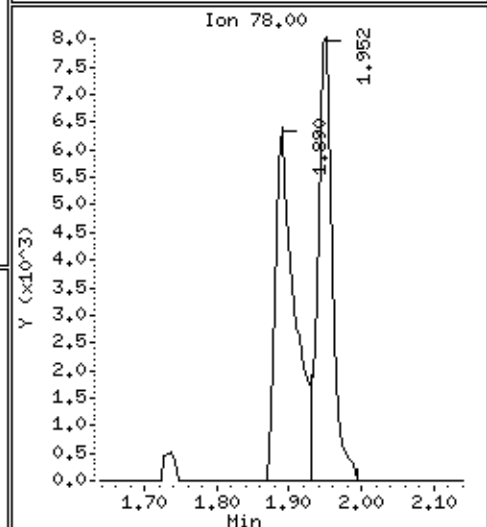
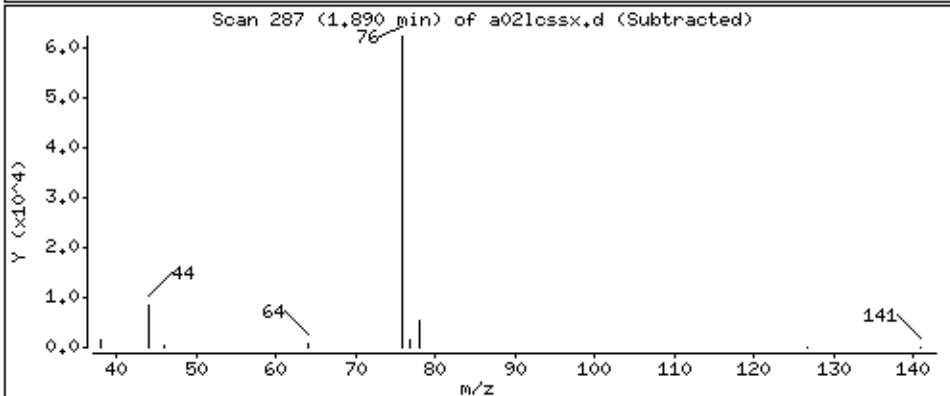
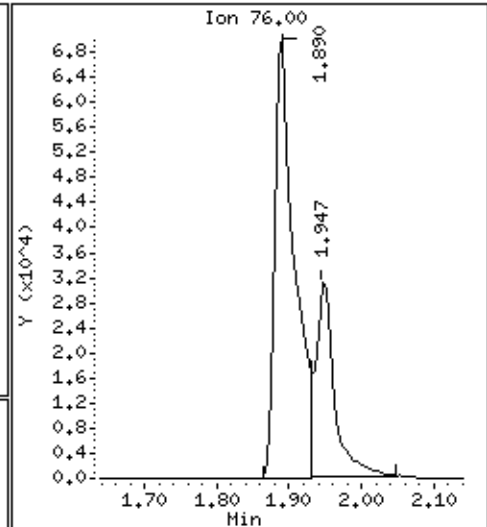
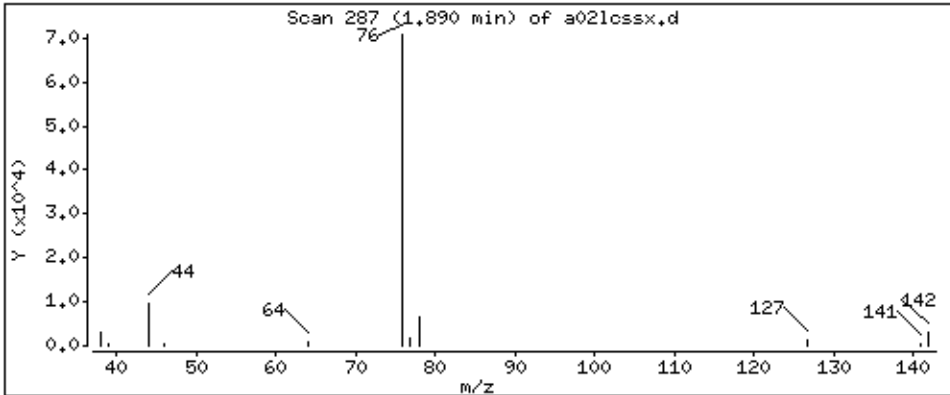
Column phase: DB-624

Column diameter: 0,18

14 Carbon Disulfide

Concentration: 89,4 ppb

Review Code:



Date : 02-JUL-2014 10:36

Client ID: MBLCS

Instrument: 50mv3a.i

Sample Info: 1122045,71089;5

Operator: jlz

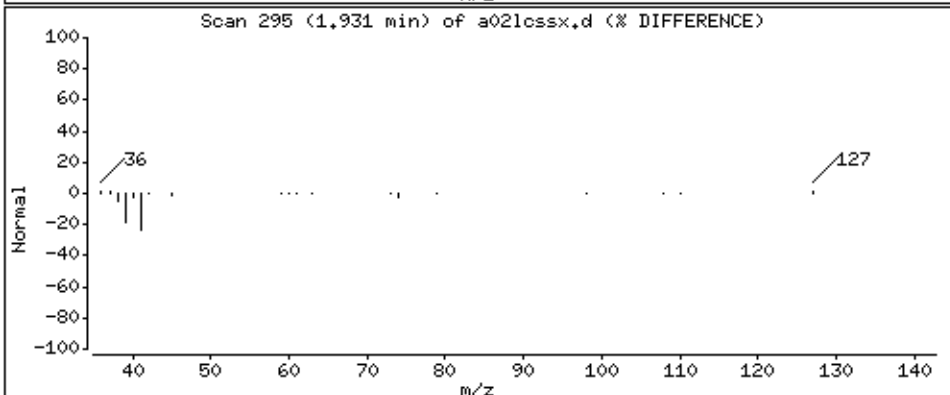
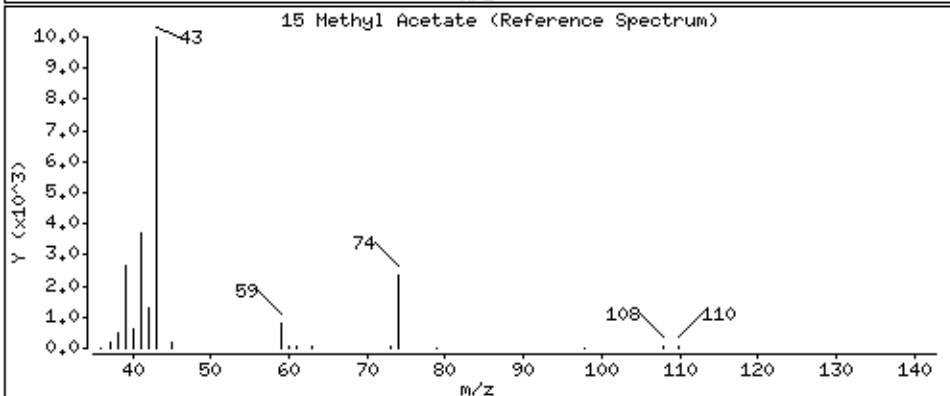
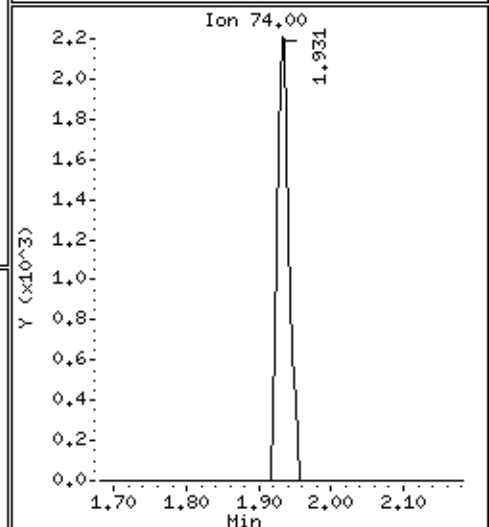
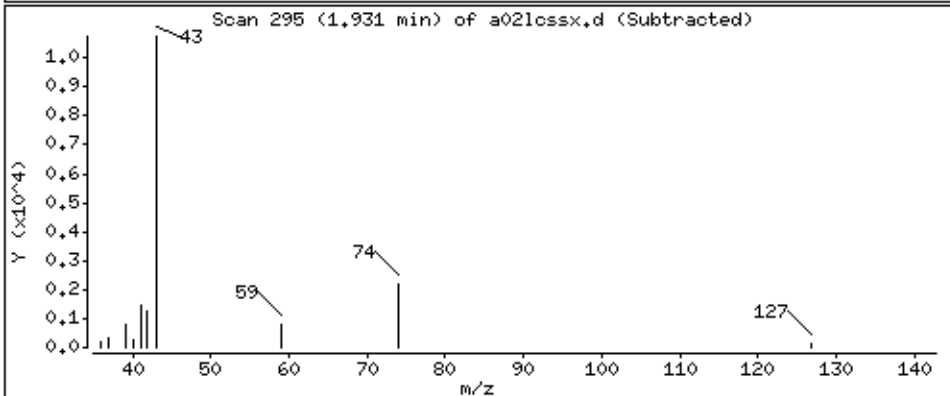
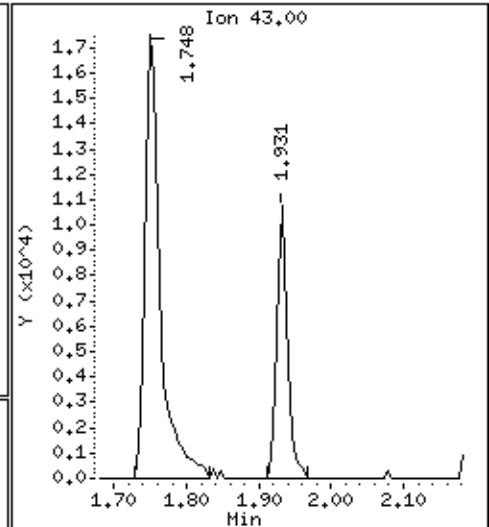
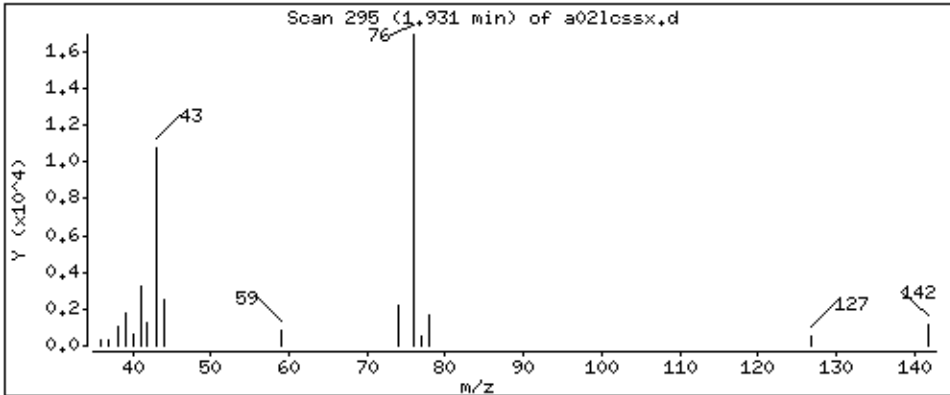
Column phase: DB-624

Column diameter: 0,18

15 Methyl Acetate

Concentration: 54,6 ppb

Review Code:



Date : 02-JUL-2014 10:36

Client ID: MBLCS

Instrument: 50mv3a.i

Sample Info: 1122045,71089;5

Operator: jlz

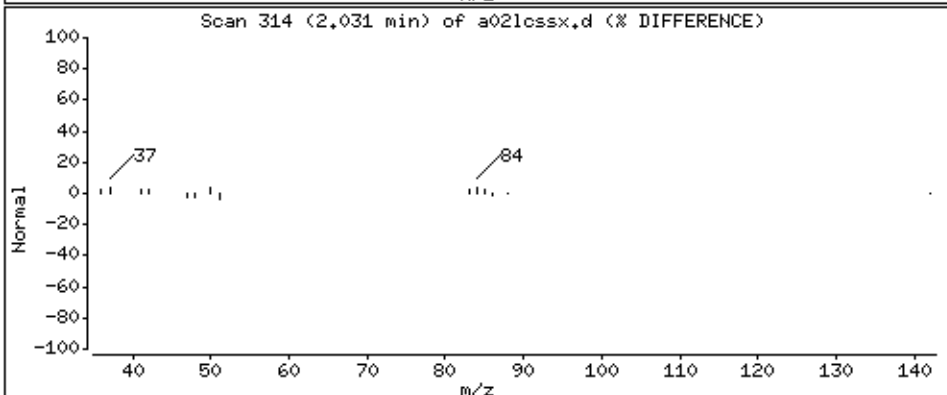
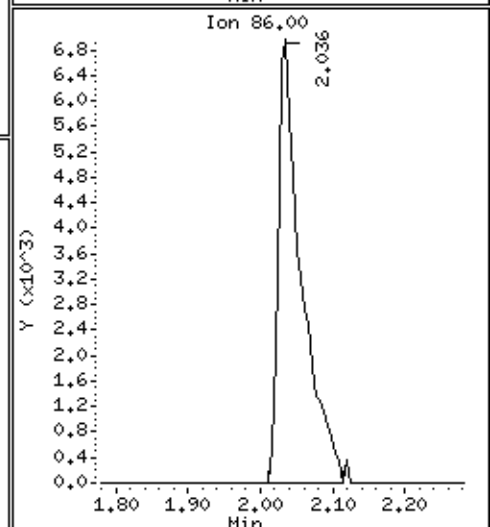
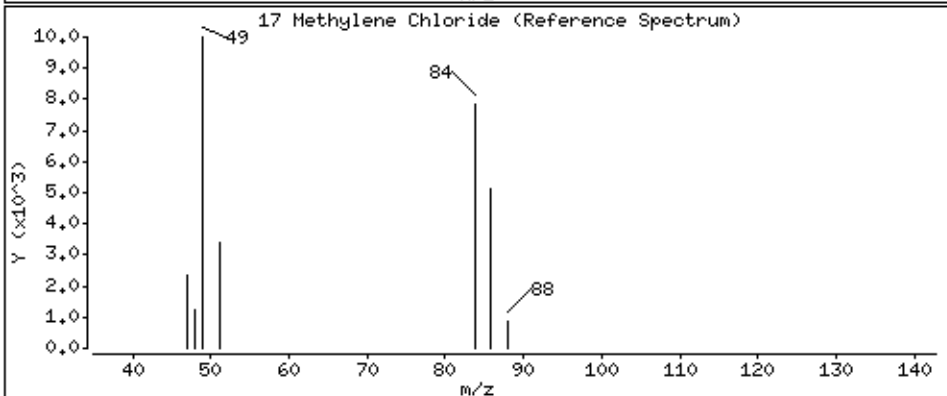
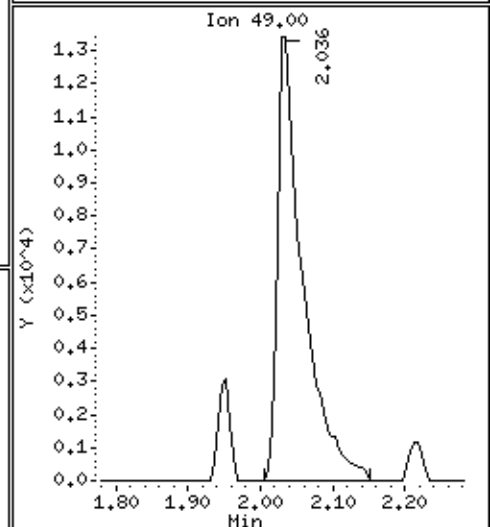
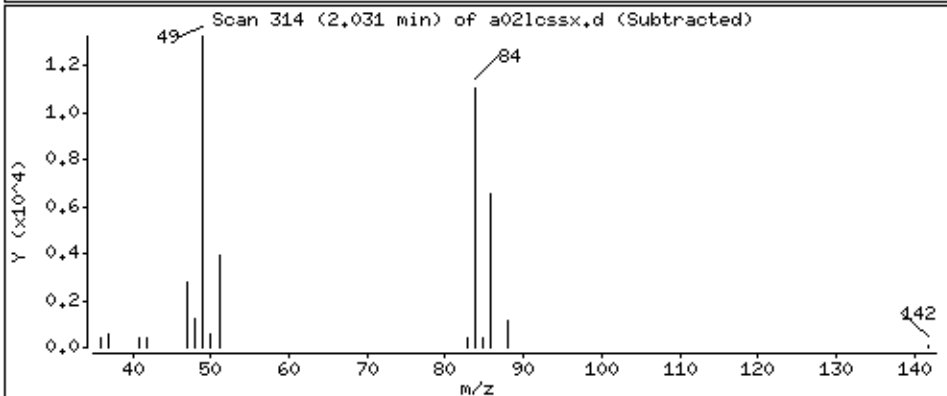
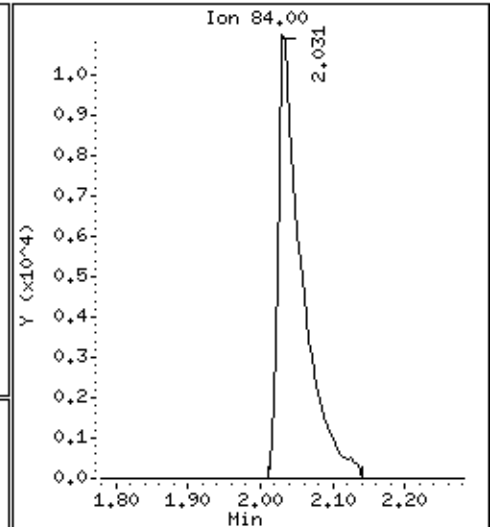
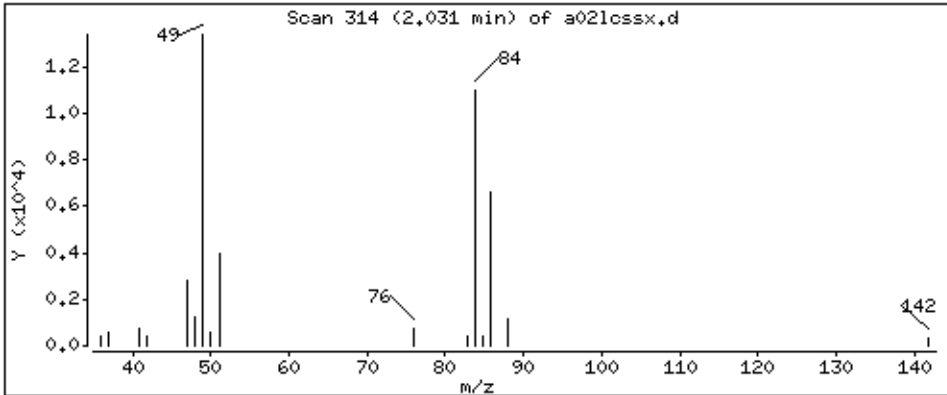
Column phase: DB-624

Column diameter: 0,18

17 Methylene Chloride

Concentration: 34,9 ppb

Review Code:



Date : 02-JUL-2014 10:36

Client ID: MBLCS

Instrument: 50mw3a.i

Sample Info: 1122045,71089;5

Operator: jlz

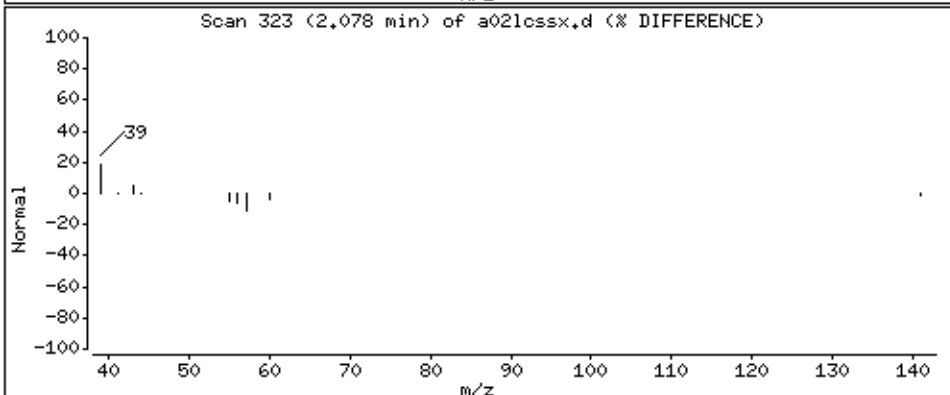
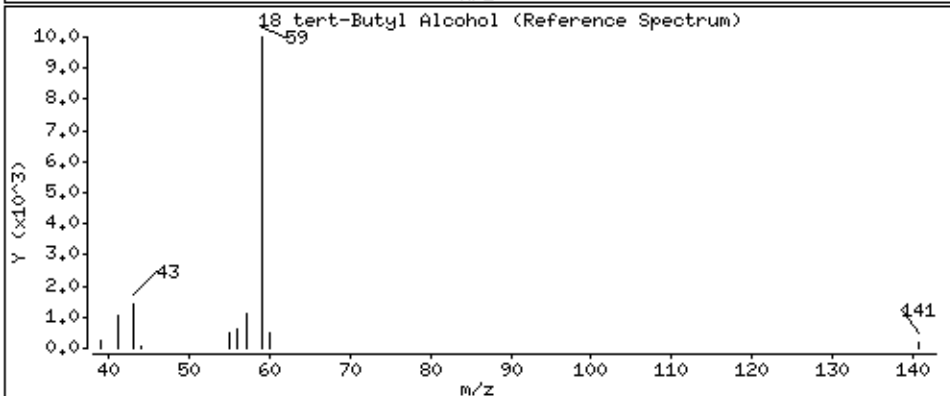
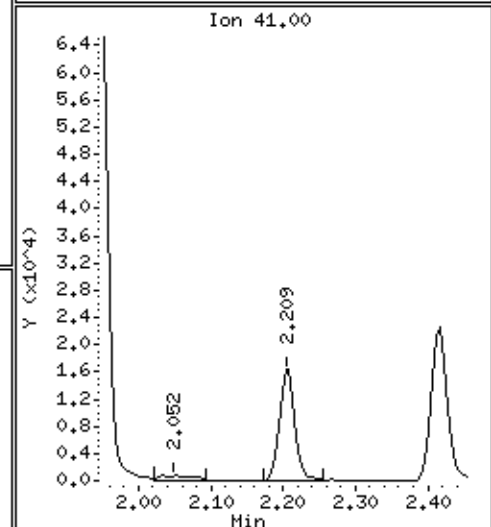
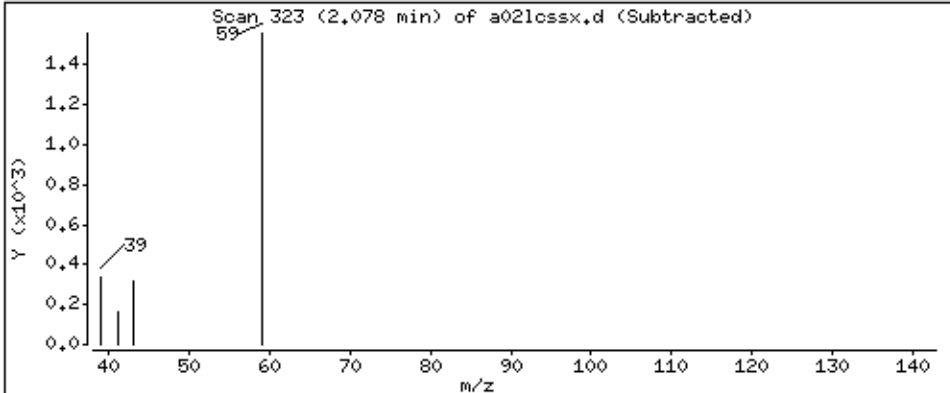
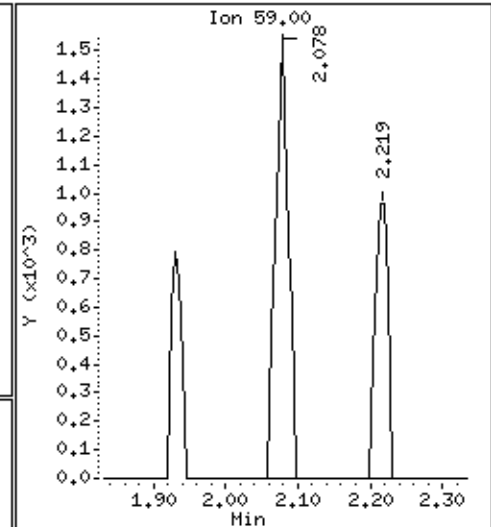
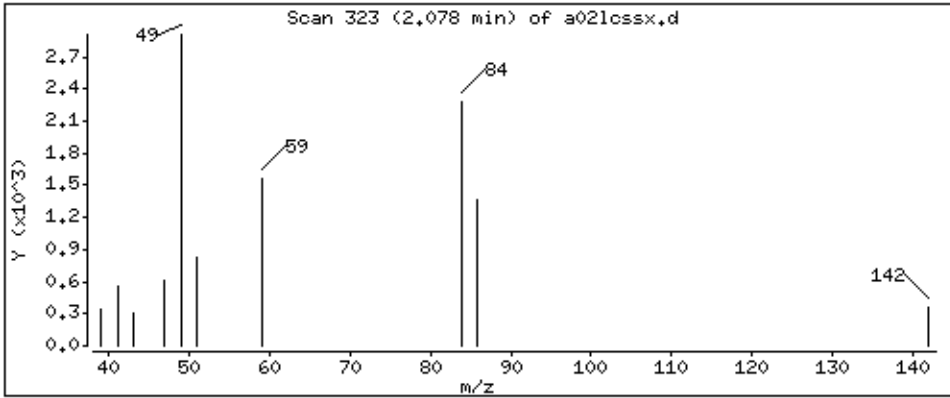
Column phase: DB-624

Column diameter: 0,18

18 tert-Butyl Alcohol

Concentration: 104 ppb

Review Code:



Date : 02-JUL-2014 10:36

Client ID: MBLCS

Instrument: 50mw3a.i

Sample Info: 1122045,71089;5

Operator: jlz

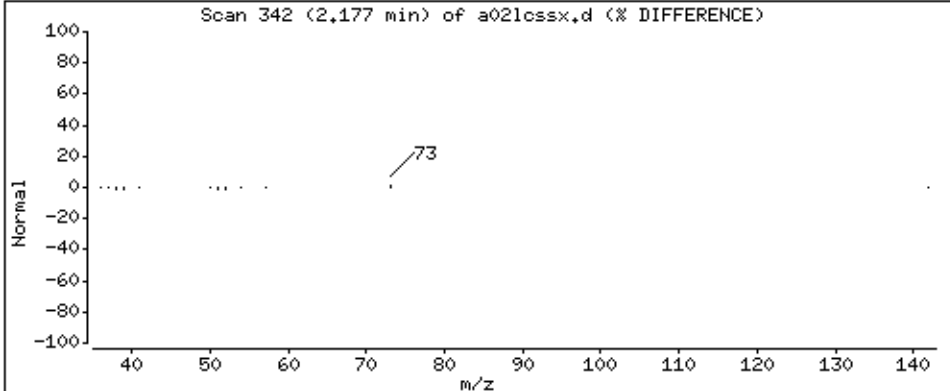
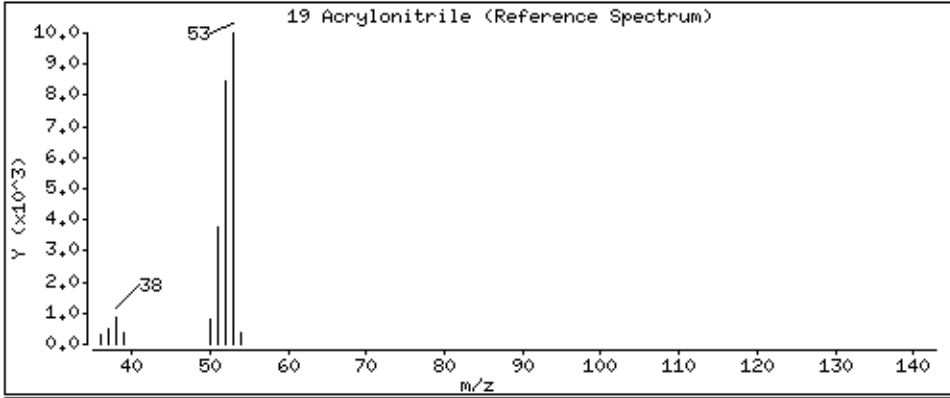
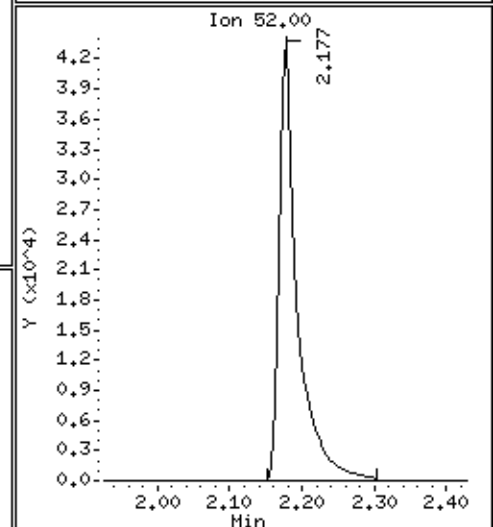
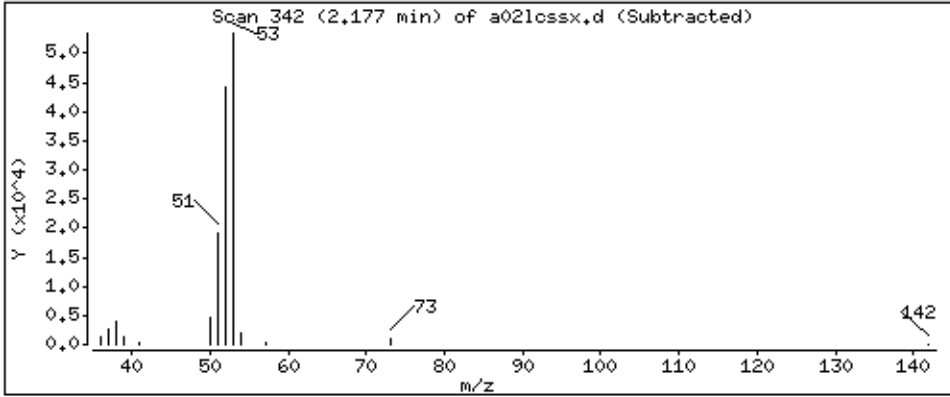
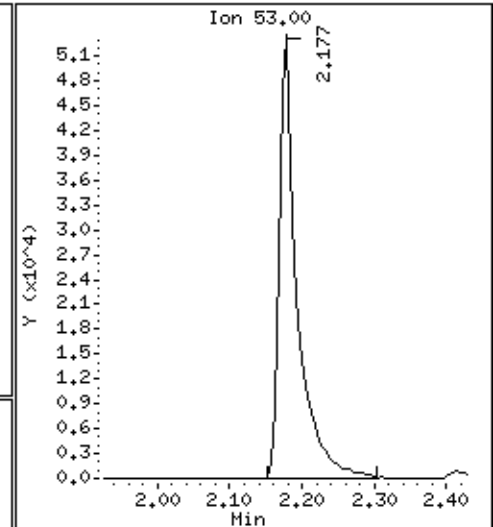
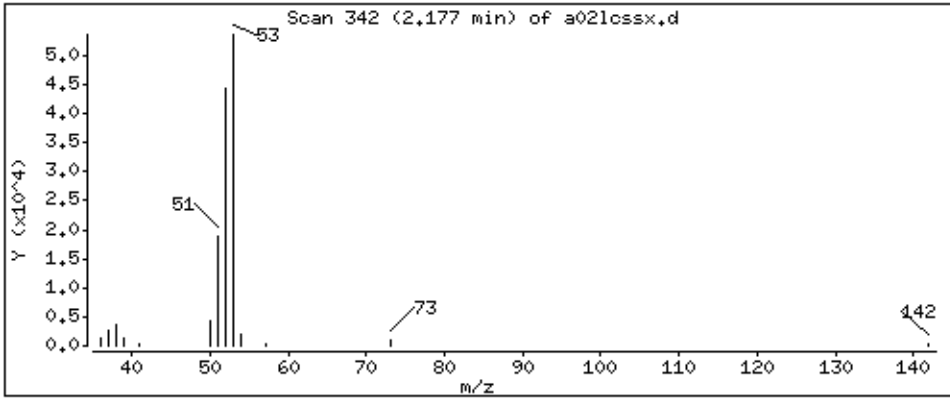
Column phase: DB-624

Column diameter: 0,18

19 Acrylonitrile

Concentration: 900 ppb

Review Code:



Date : 02-JUL-2014 10:36

Client ID: MBLCS

Instrument: 50mw3a.i

Sample Info: 1122045,71089;5

Operator: jlz

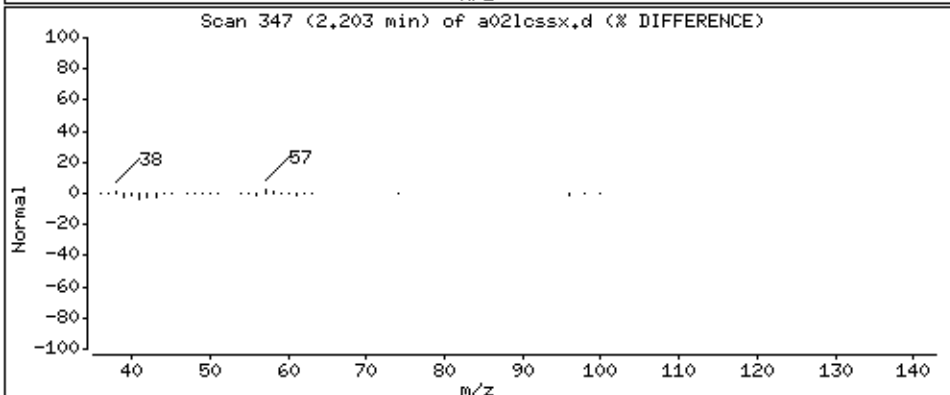
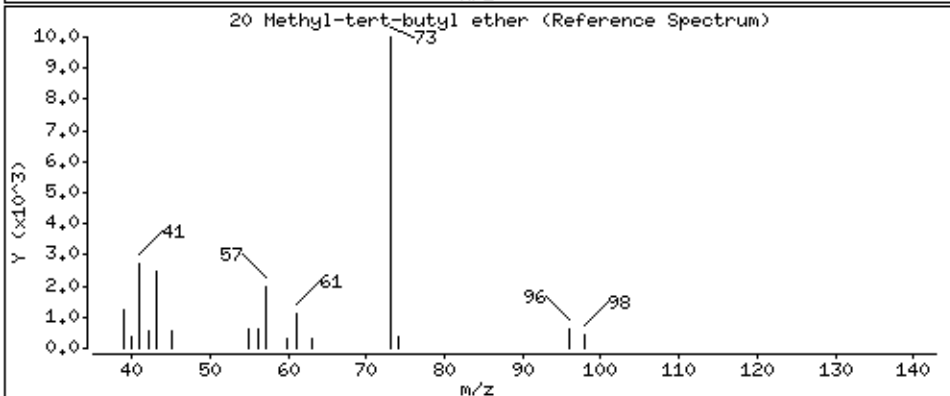
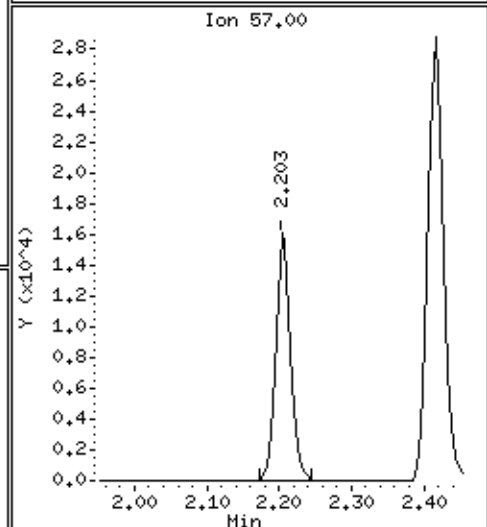
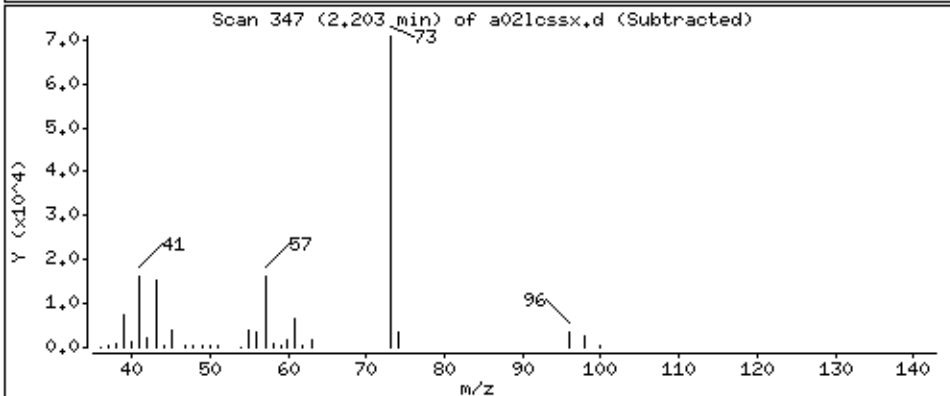
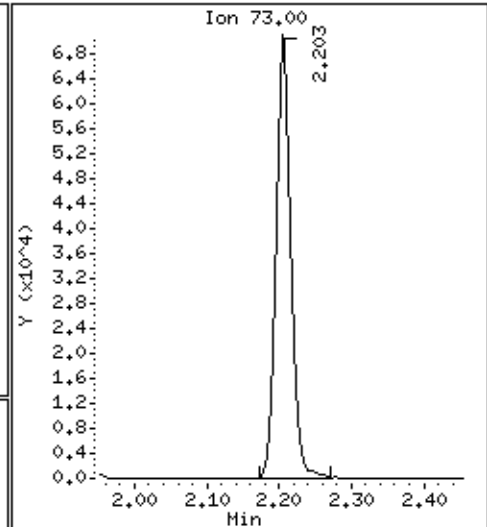
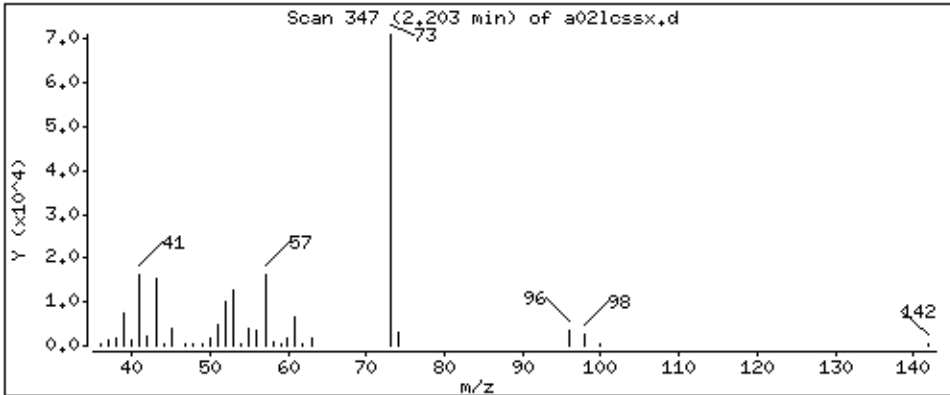
Column phase: DB-624

Column diameter: 0,18

20 Methyl-tert-butyl ether

Concentration: 86,0 ppb

Review Code:



Date : 02-JUL-2014 10:36

Client ID: MBLCS

Instrument: 50mw3a.i

Sample Info: 1122045,71089;5

Operator: jlz

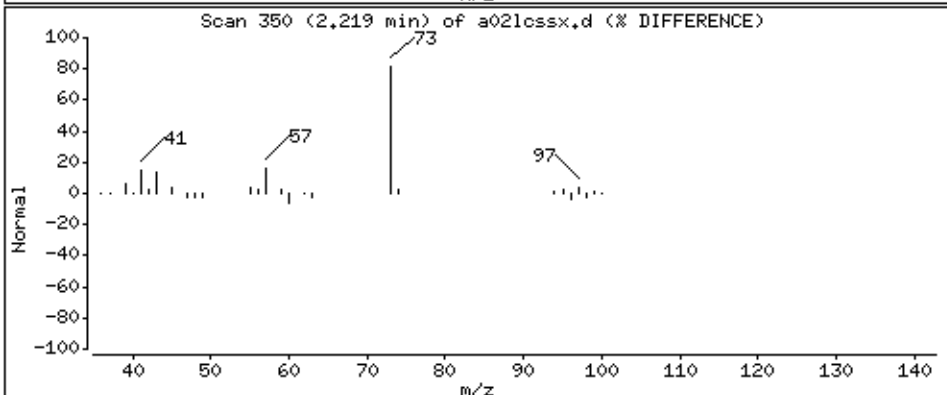
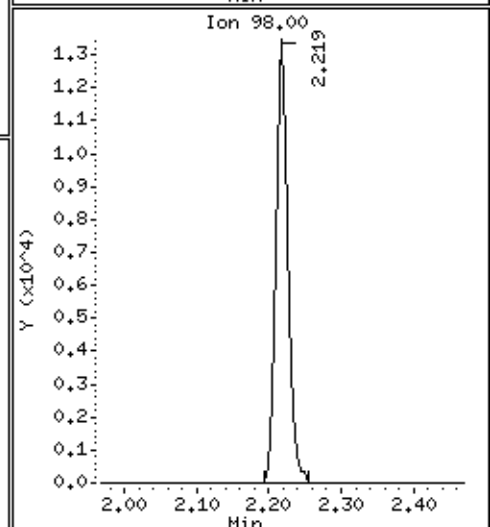
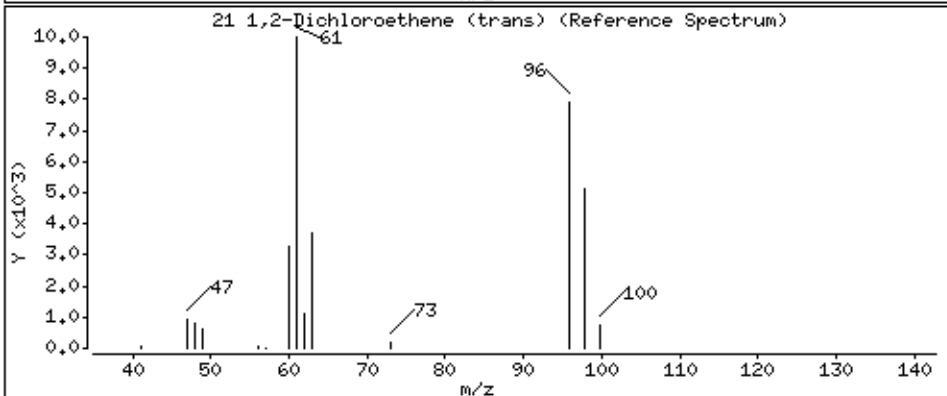
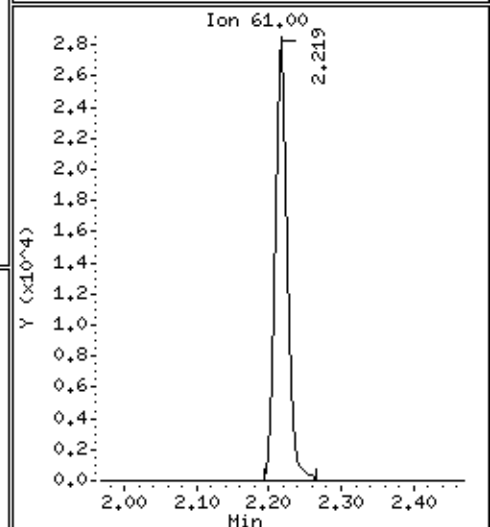
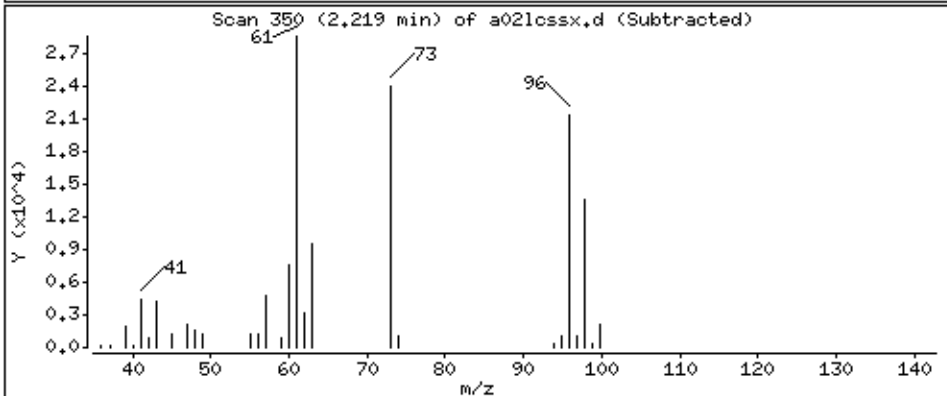
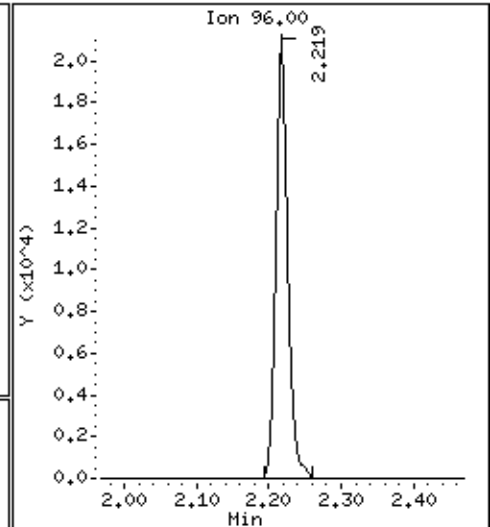
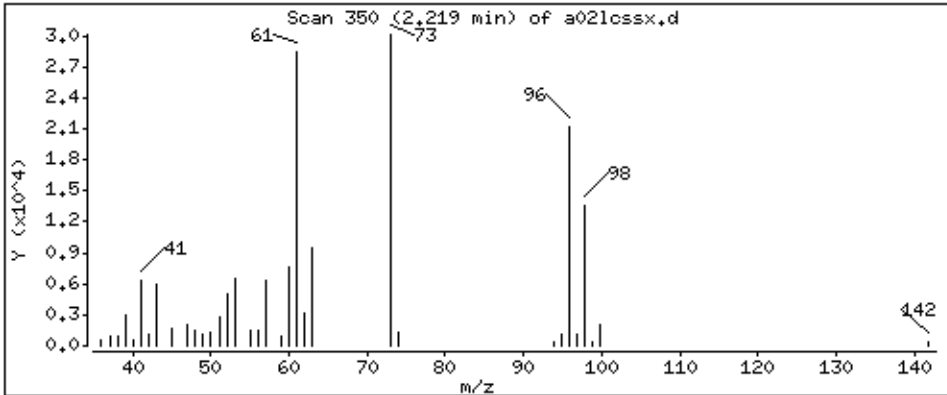
Column phase: DB-624

Column diameter: 0,18

21 1,2-Dichloroethene (trans)

Concentration: 41.8 ppb

Review Code:



Date : 02-JUL-2014 10:36

Client ID: MBLCS

Instrument: 50mw3a.i

Sample Info: 1122045,71089;5

Operator: jlz

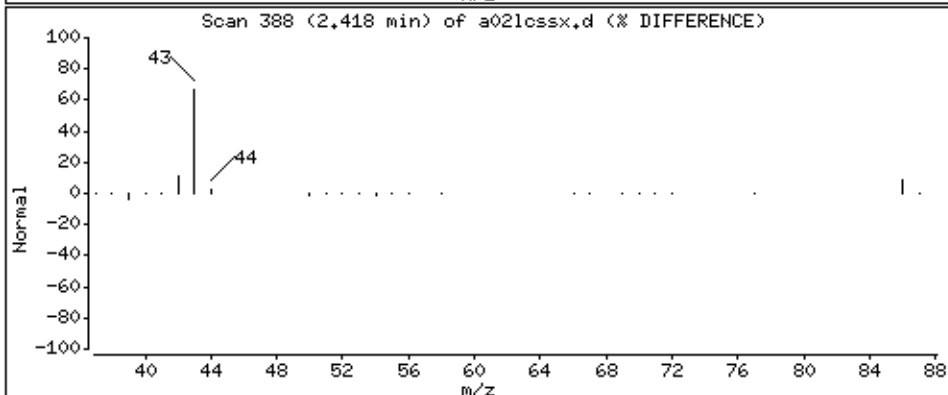
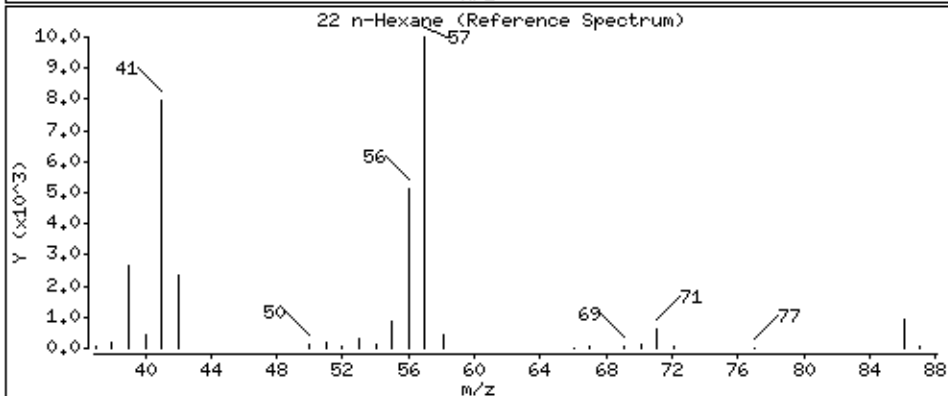
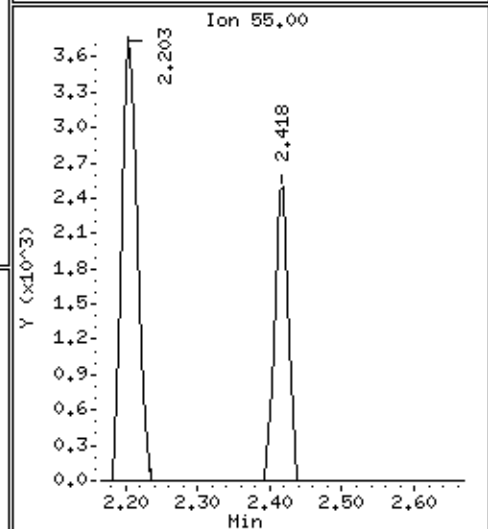
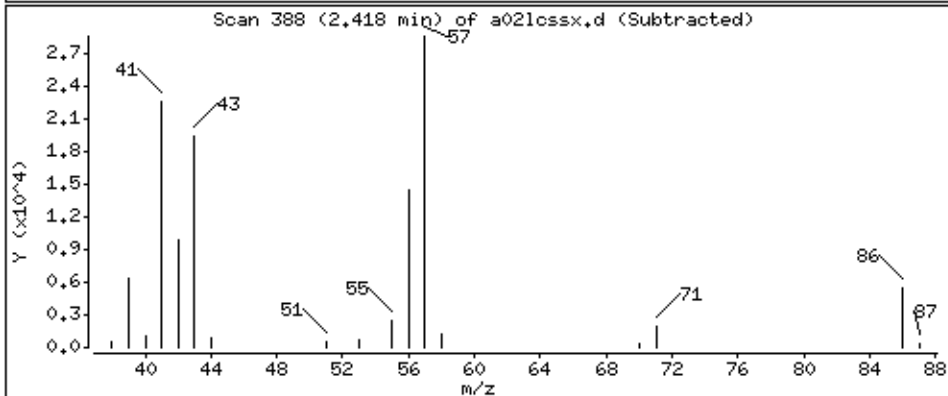
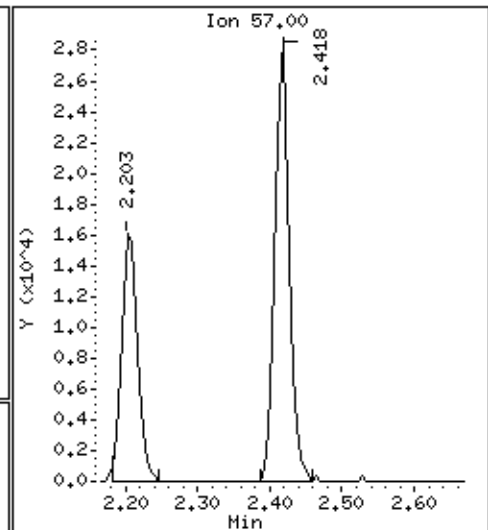
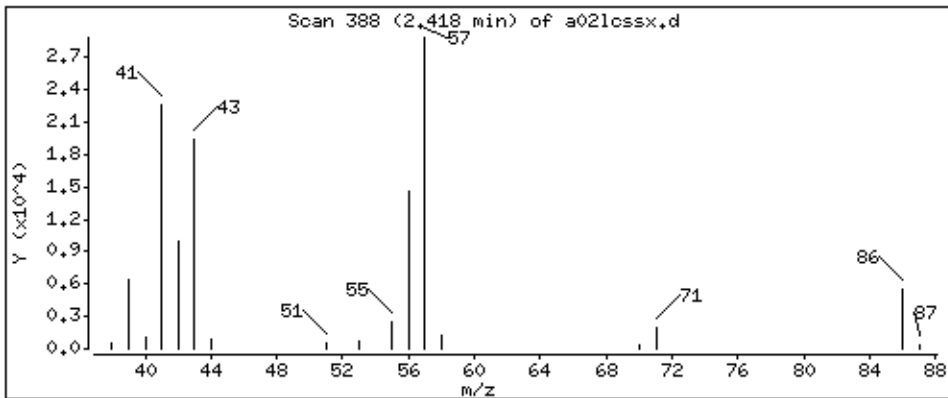
Column phase: DB-624

Column diameter: 0,18

22 n-Hexane

Concentration: 39,2 ppb

Review Code:



Date : 02-JUL-2014 10:36

Client ID: MBLCS

Instrument: 50mv3a.i

Sample Info: 1122045,71089;5

Operator: jlz

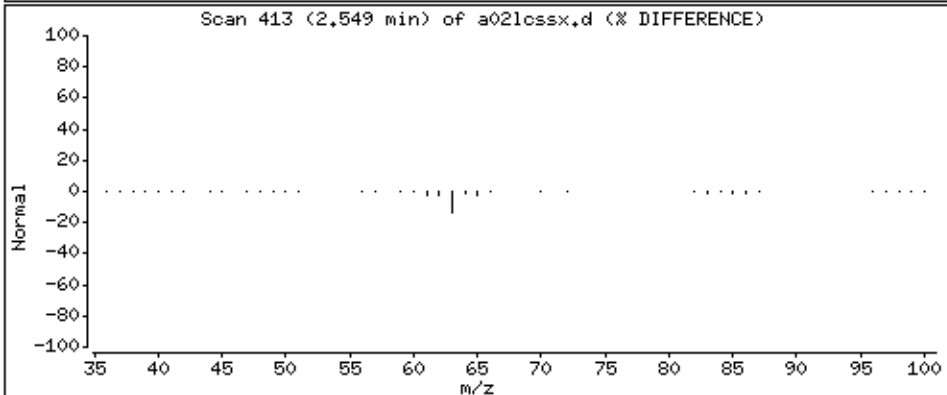
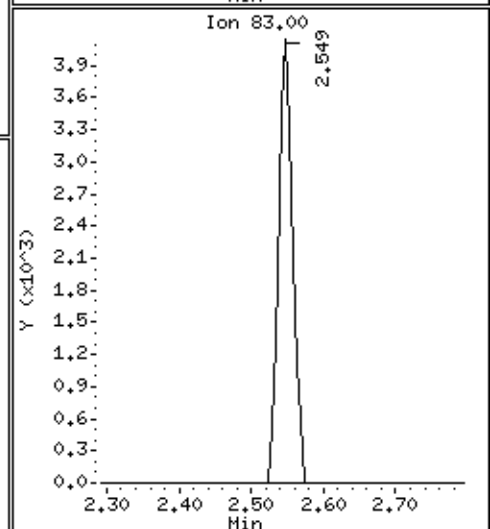
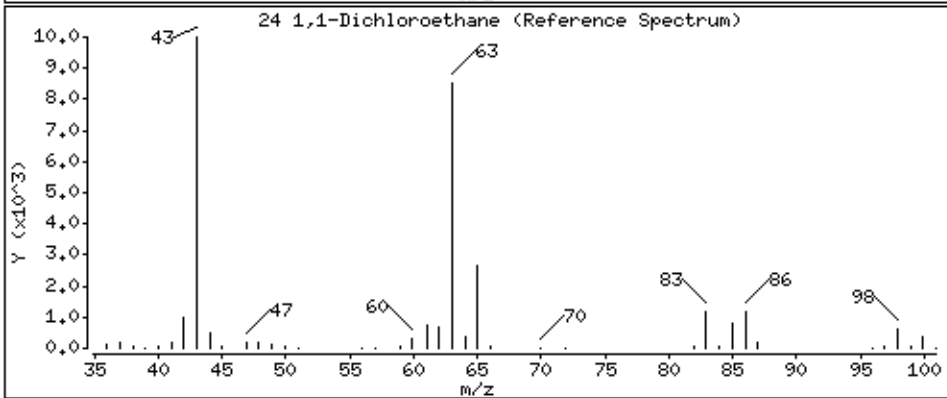
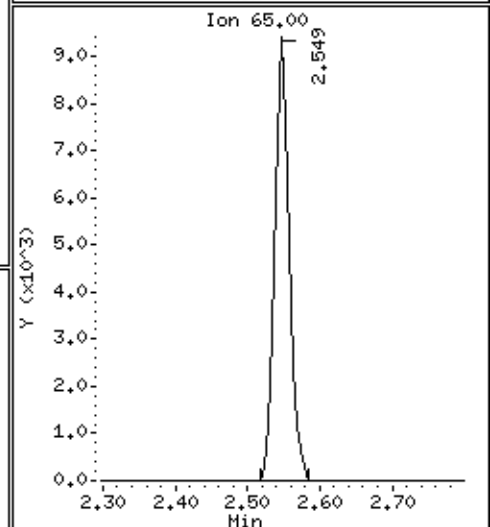
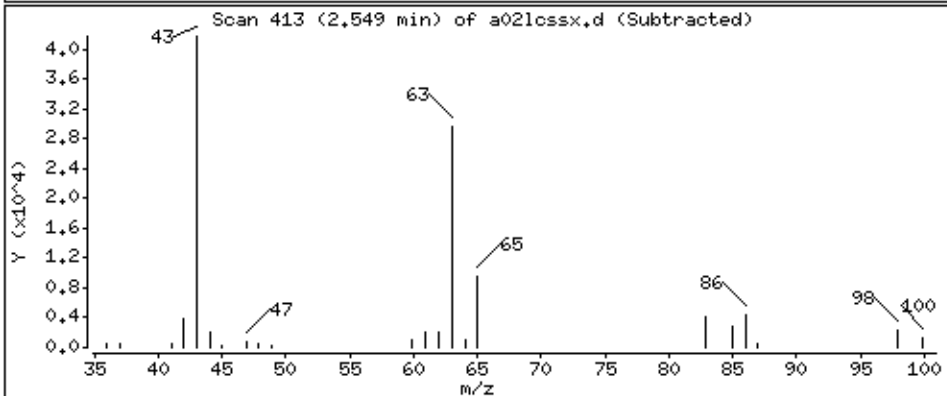
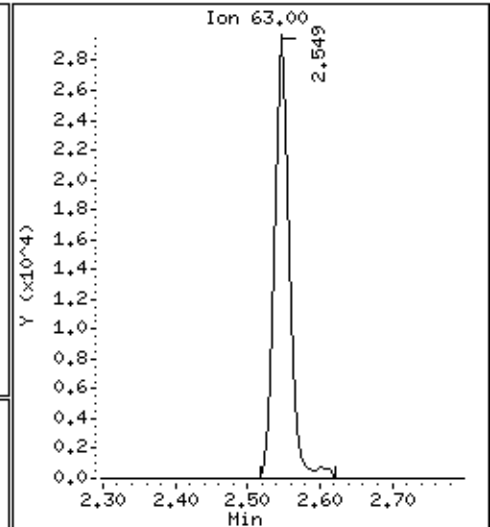
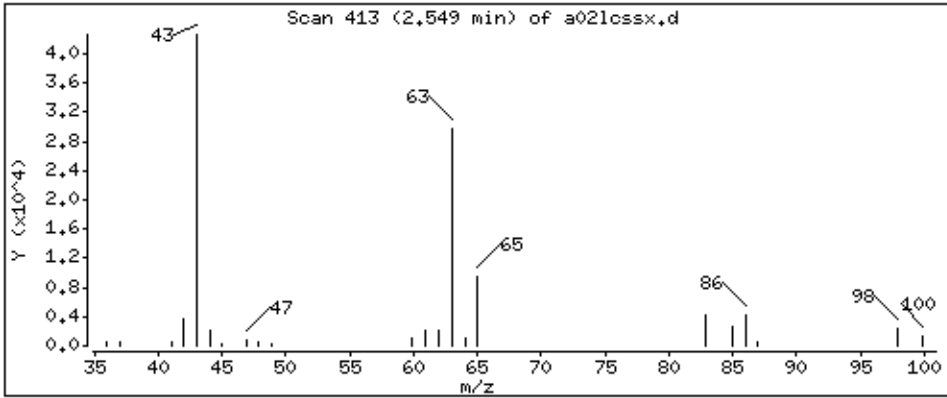
Column phase: DB-624

Column diameter: 0,18

24 1,1-Dichloroethane

Concentration: 42,6 ppb

Review Code:



Date : 02-JUL-2014 10:36

Client ID: MBLCS

Instrument: 50mv3a.i

Sample Info: 1122045,71089;5

Operator: jlz

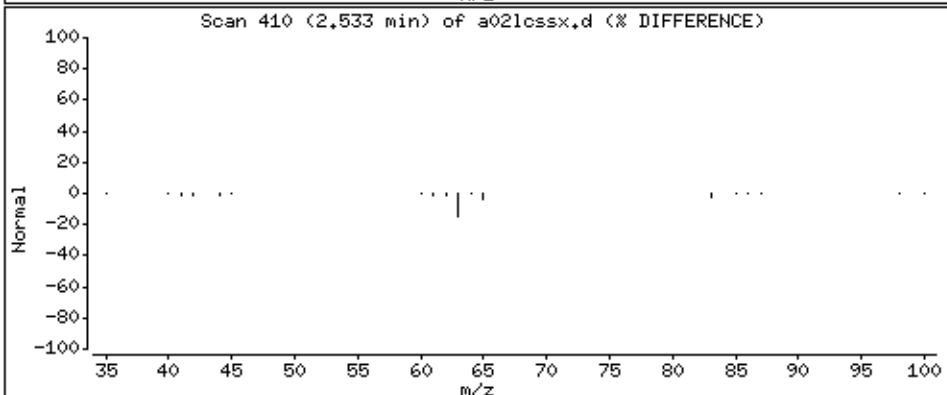
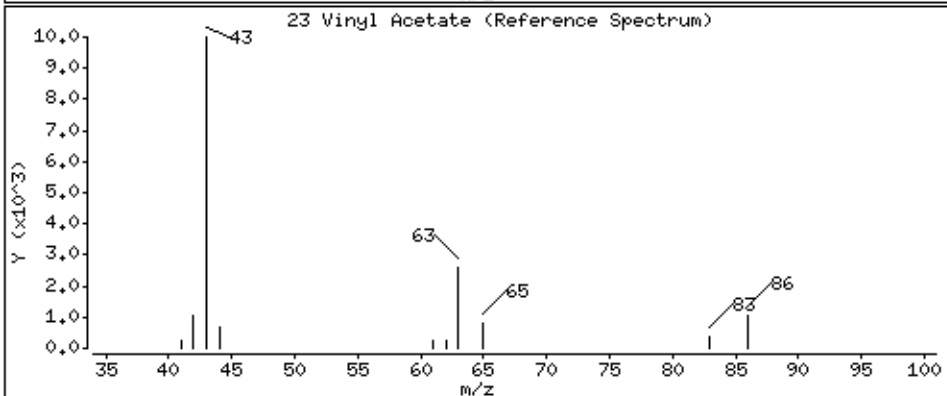
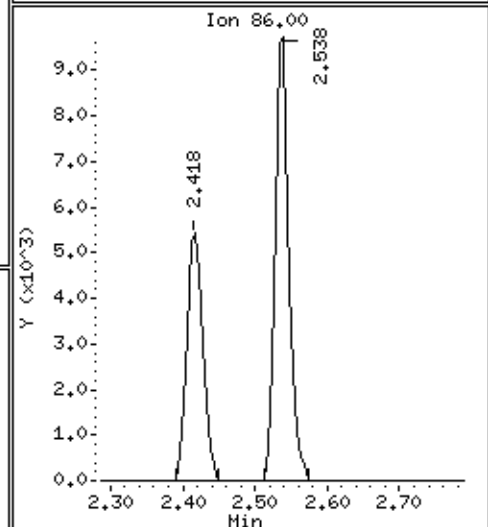
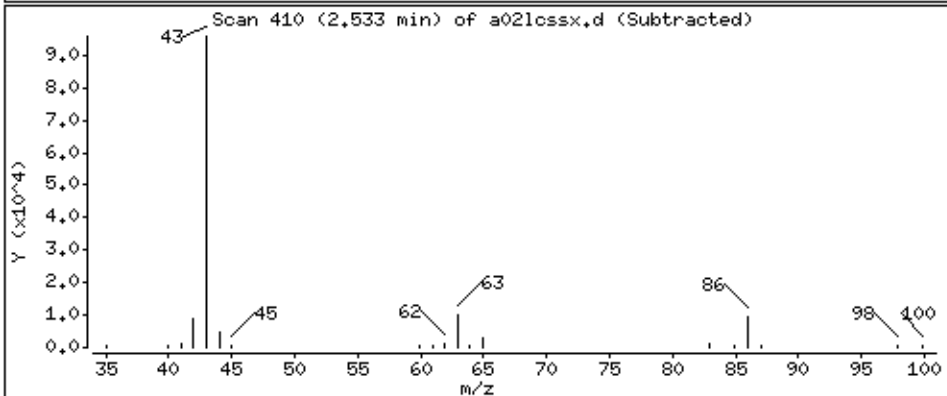
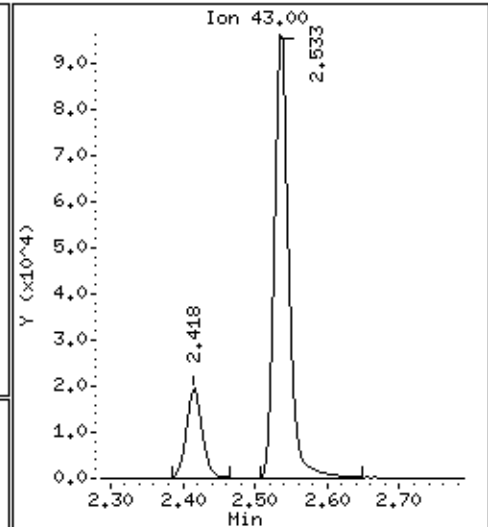
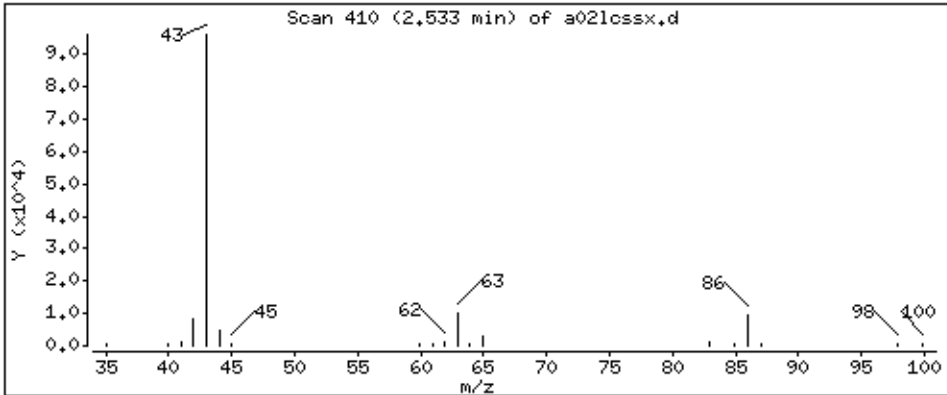
Column phase: DB-624

Column diameter: 0,18

23 Vinyl Acetate

Concentration: 188 ppb

Review Code:



Date : 02-JUL-2014 10:36

Client ID: MBLCS

Instrument: 50mv3a.i

Sample Info: 1122045,71089;5

Operator: jlz

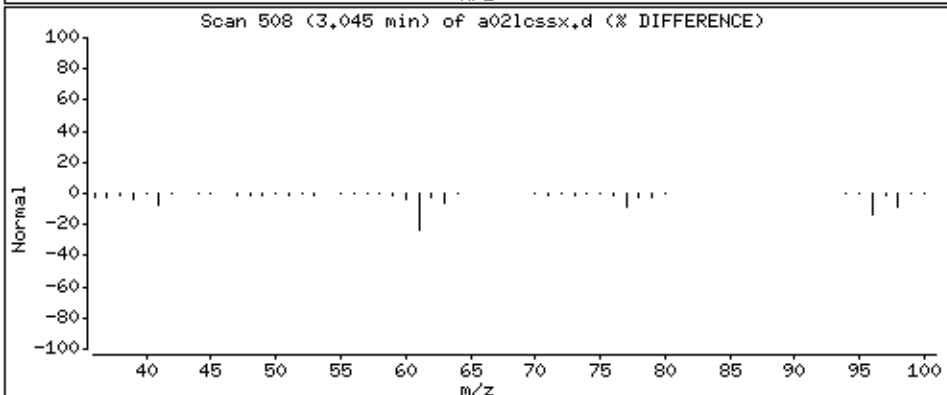
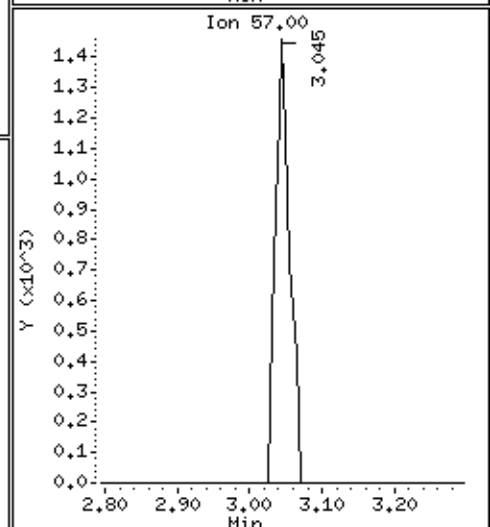
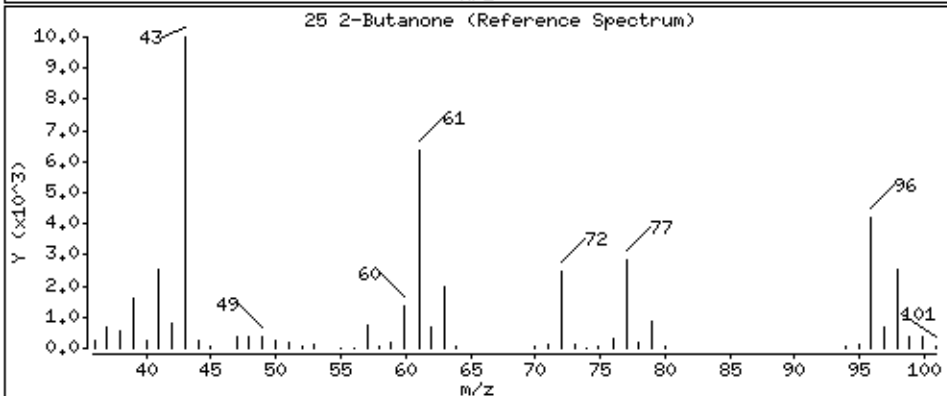
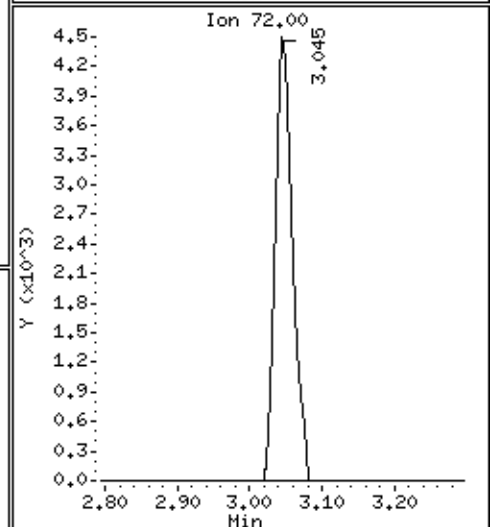
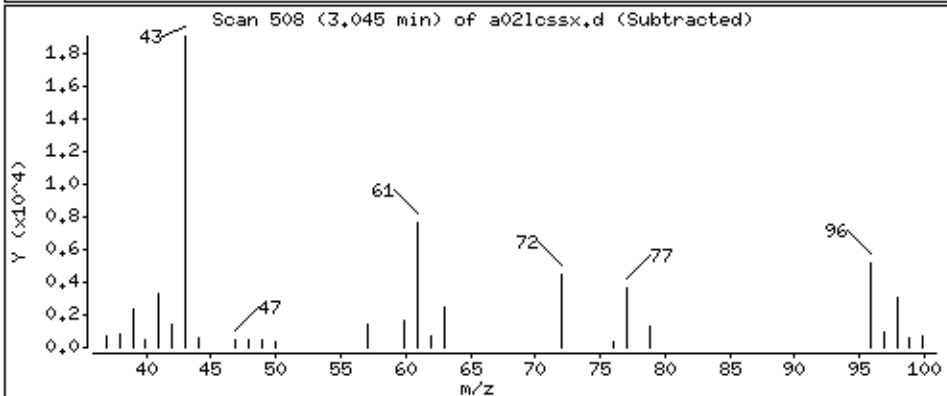
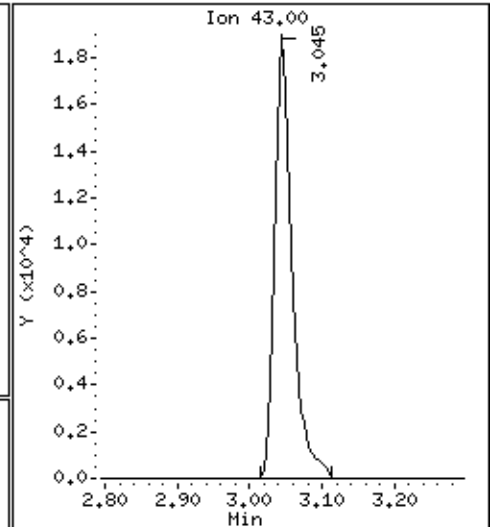
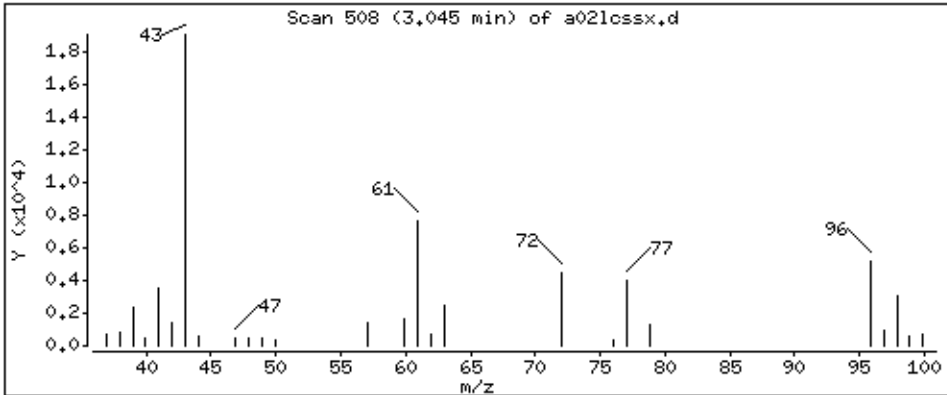
Column phase: DB-624

Column diameter: 0,18

25 2-Butanone

Concentration: 238 ppb

Review Code:



Date : 02-JUL-2014 10:36

Client ID: MBLCS

Instrument: 50mv3a.i

Sample Info: 1122045,71089;5

Operator: jlz

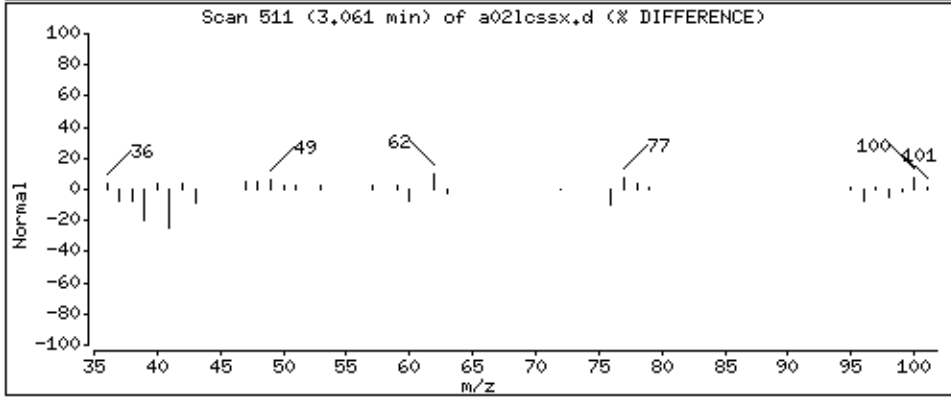
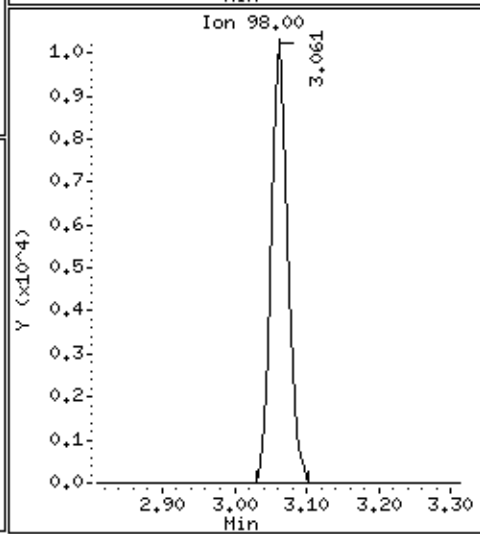
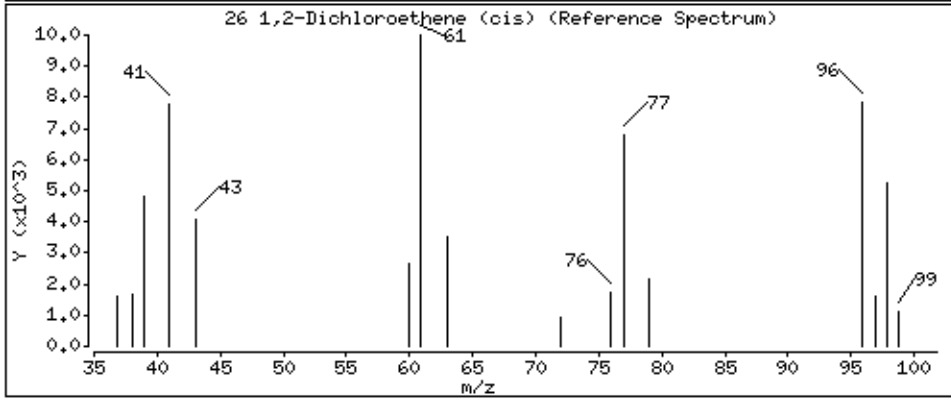
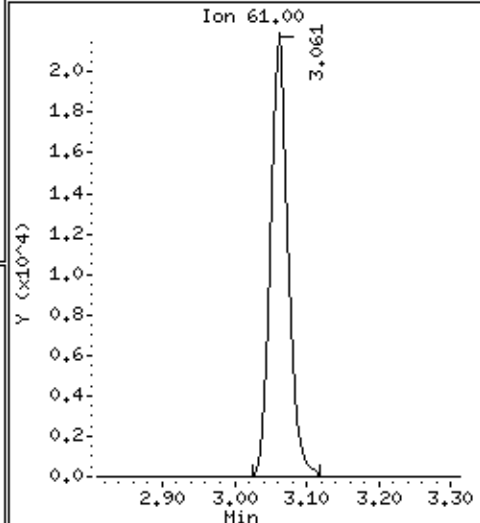
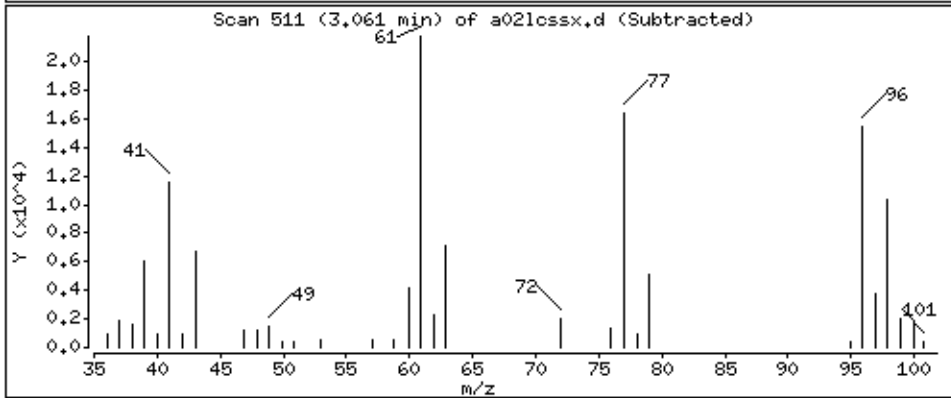
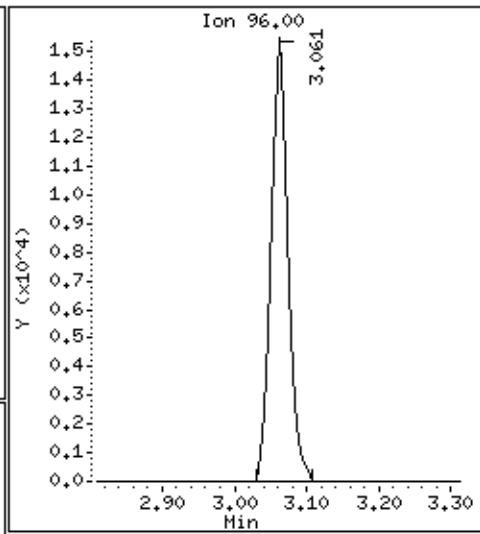
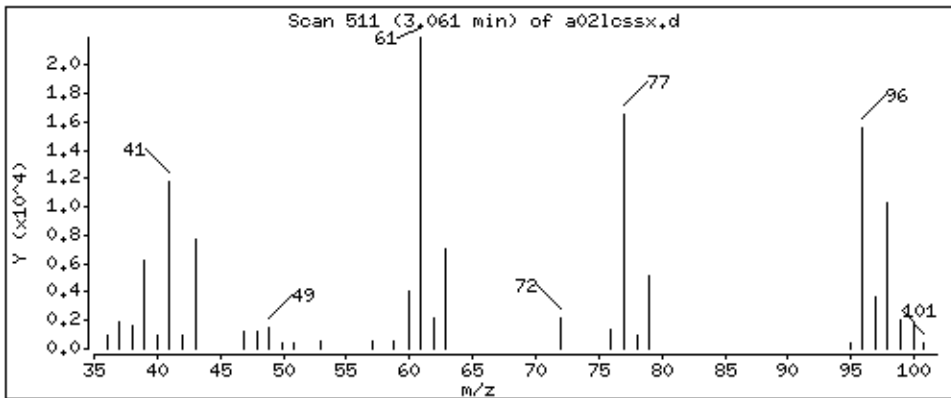
Column phase: DB-624

Column diameter: 0,18

26 1,2-Dichloroethene (cis)

Concentration: 42.0 ppb

Review Code:



Date : 02-JUL-2014 10:36

Client ID: MBLCS

Instrument: 50mw3a.i

Sample Info: 1122045,71089;5

Operator: jlz

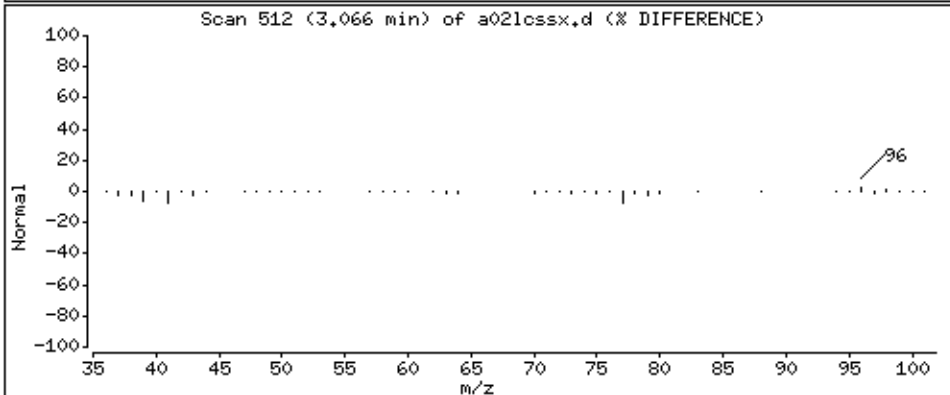
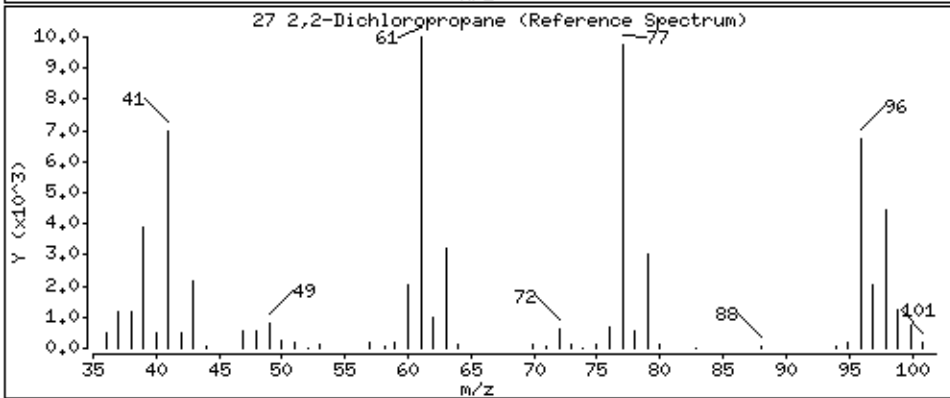
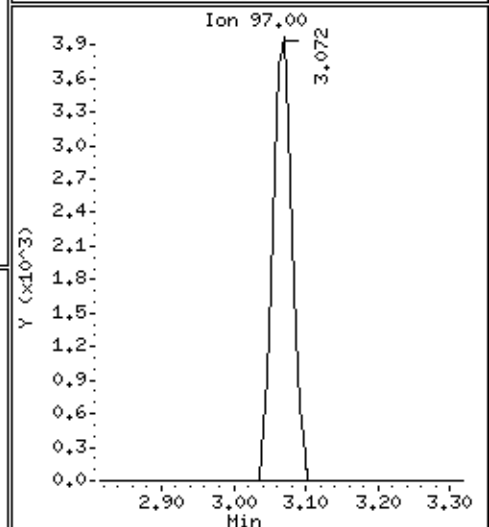
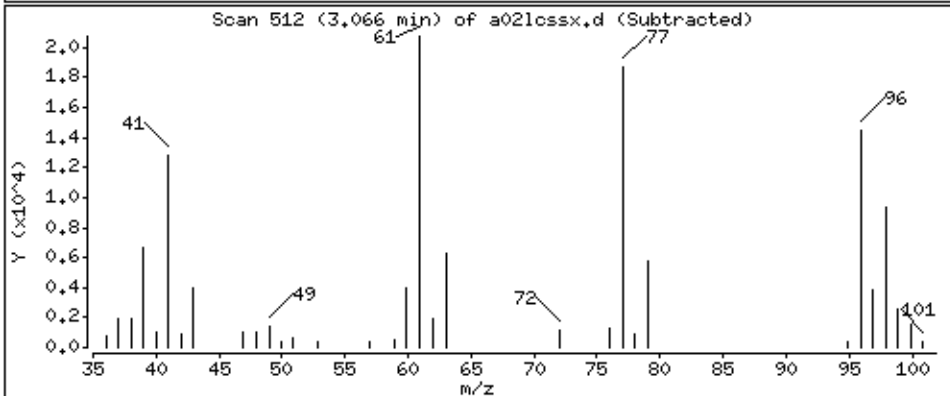
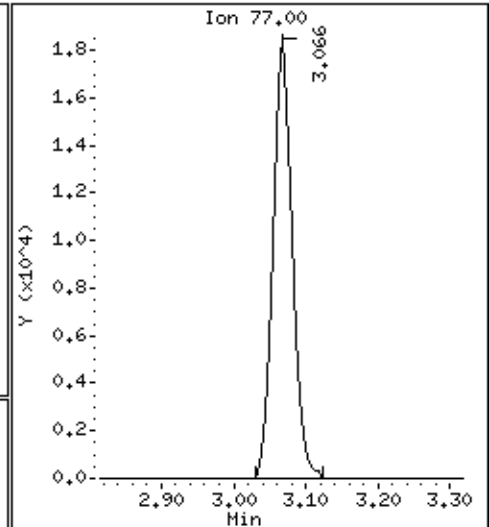
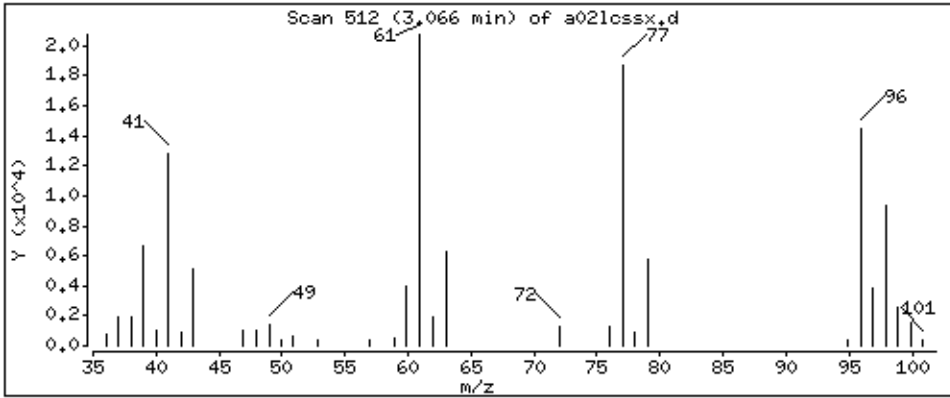
Column phase: DB-624

Column diameter: 0,18

27 2,2-Dichloropropane

Concentration: 45,9 ppb

Review Code:



Date : 02-JUL-2014 10:36

Client ID: MBLCS

Instrument: 50mw3a.i

Sample Info: 1122045,71089;5

Operator: jlz

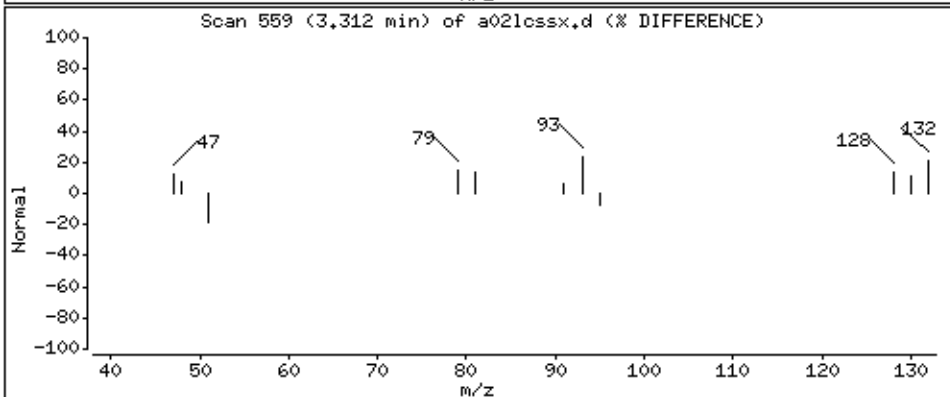
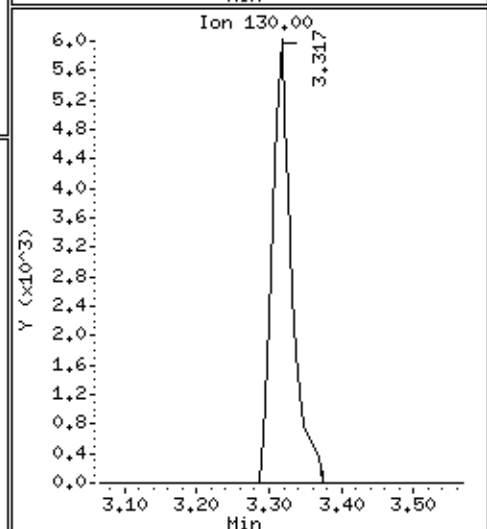
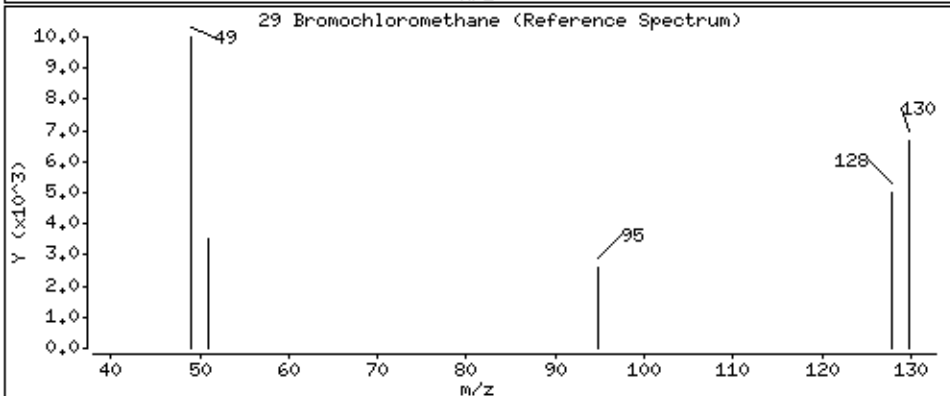
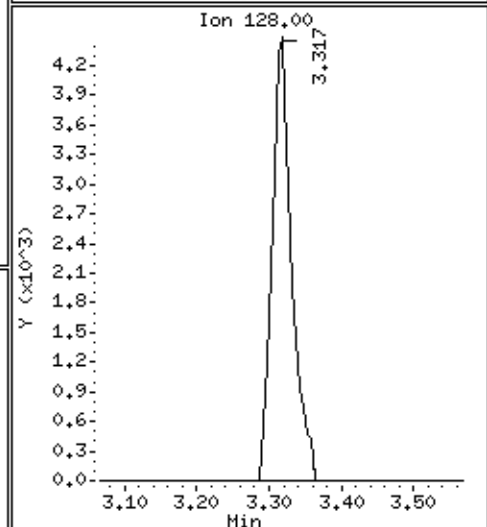
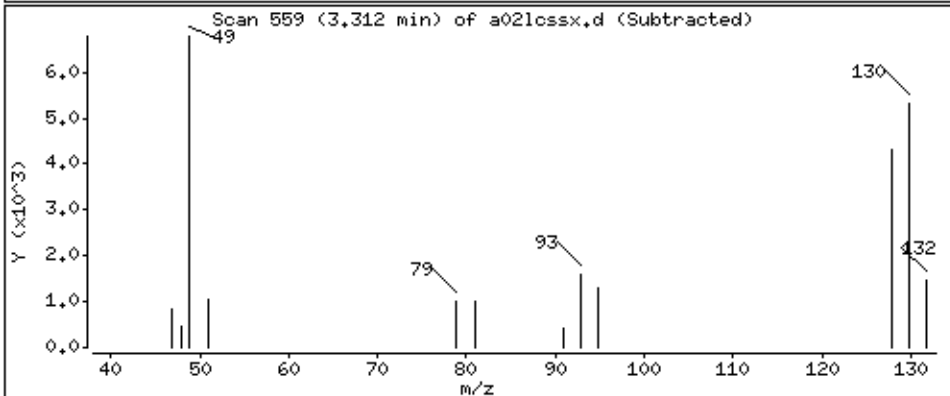
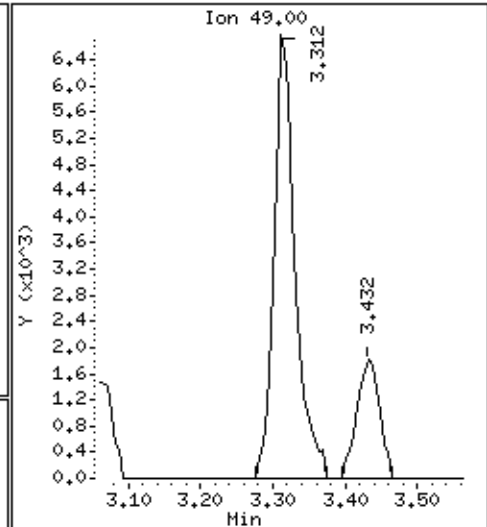
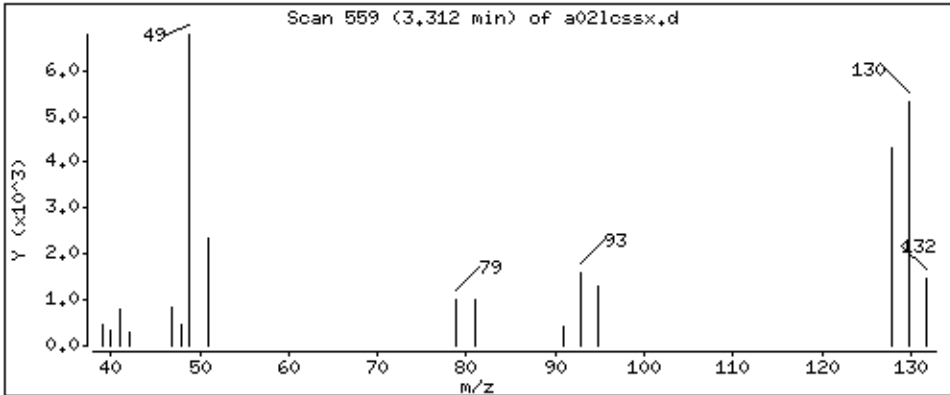
Column phase: DB-624

Column diameter: 0,18

29 Bromochloromethane

Concentration: 44,1 ppb

Review Code:



Date : 02-JUL-2014 10:36

Client ID: MBLCS

Instrument: 50mv3a.i

Sample Info: 1122045,71089;5

Operator: jlz

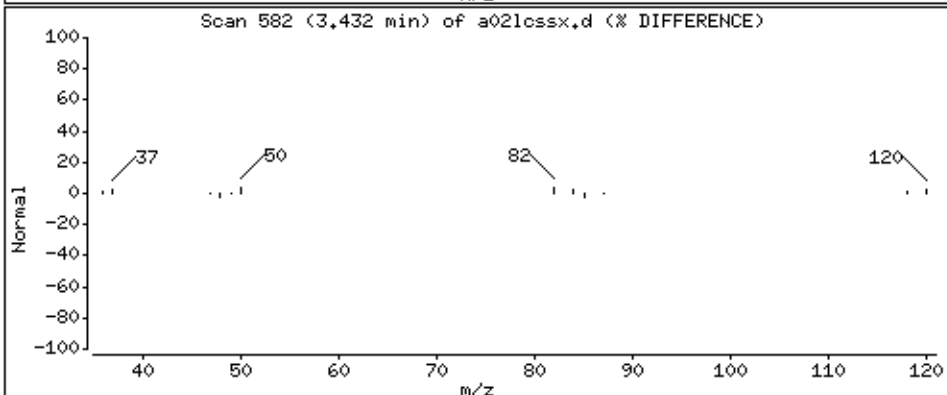
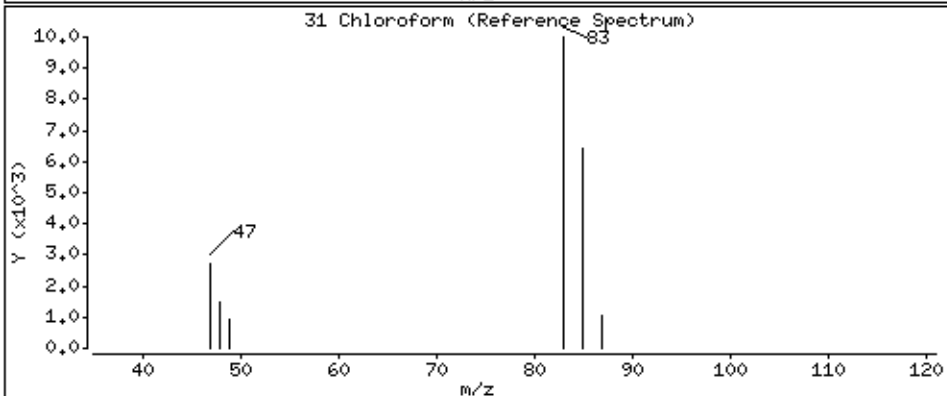
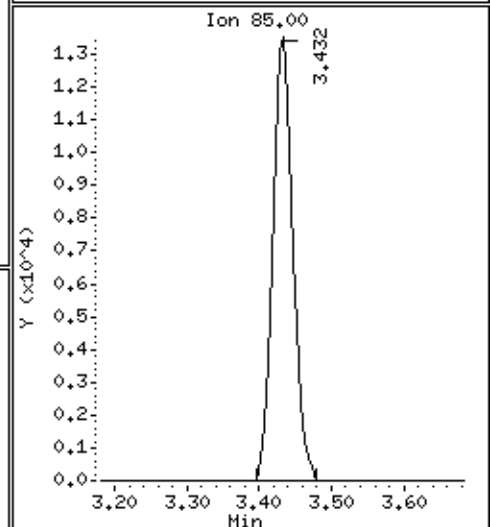
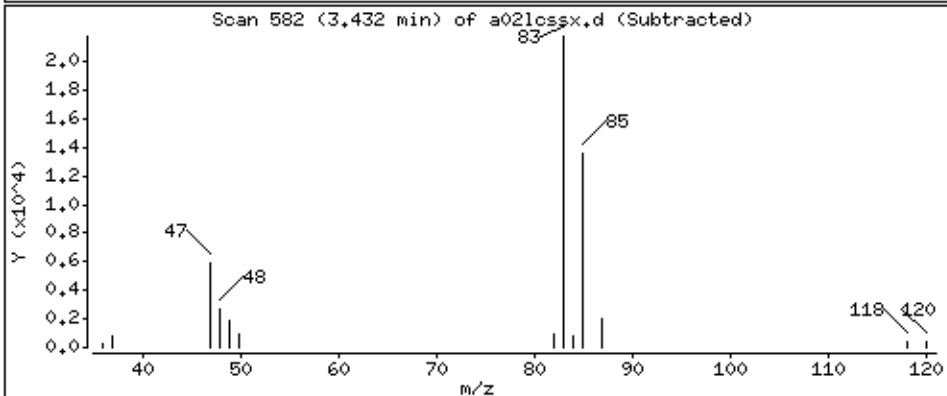
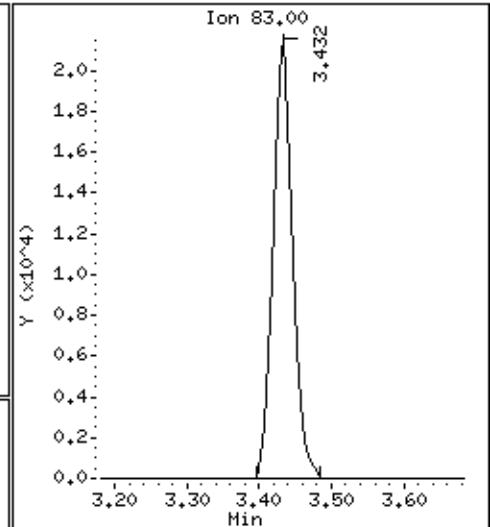
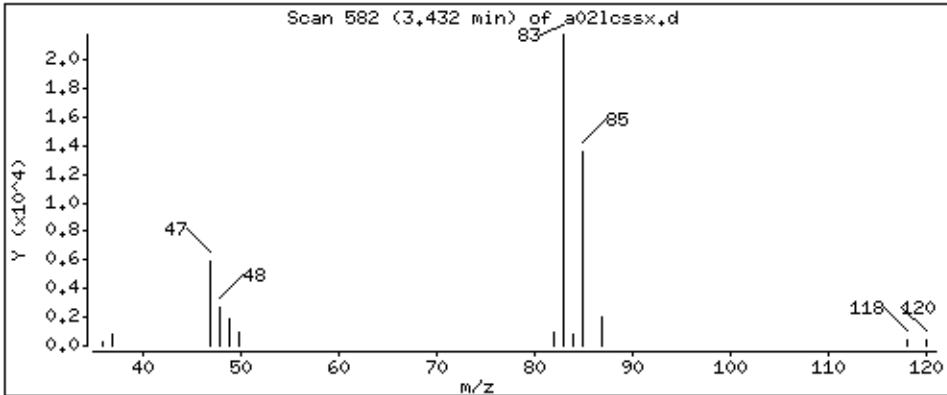
Column phase: DB-624

Column diameter: 0,18

31 Chloroform

Concentration: 40,5 ppb

Review Code:



Date : 02-JUL-2014 10:36

Client ID: MBLCS

Instrument: 50mw3a.i

Sample Info: 1122045,71089;5

Operator: jlz

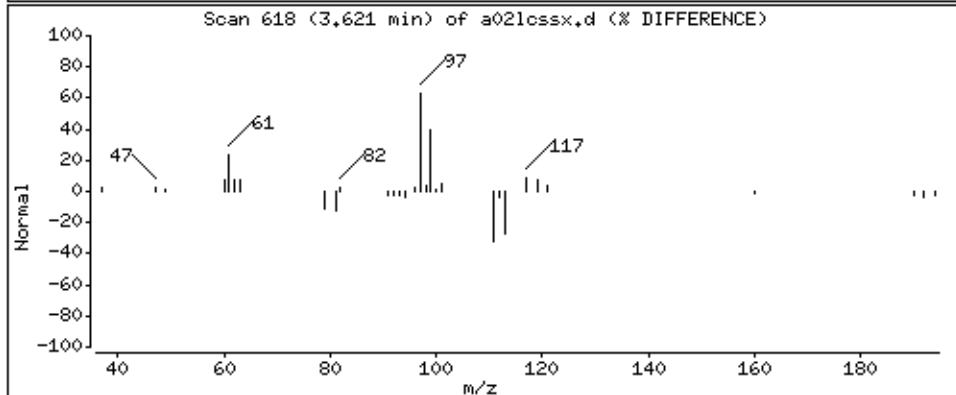
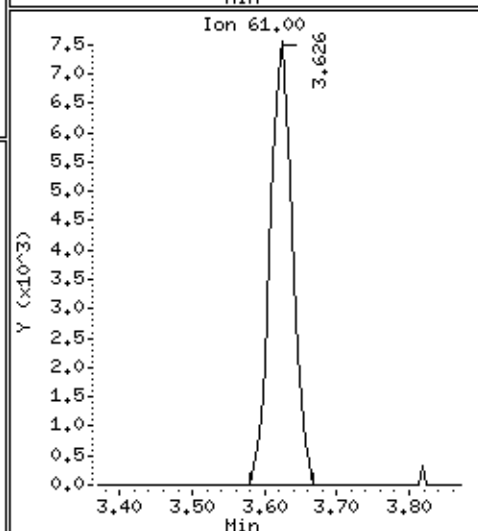
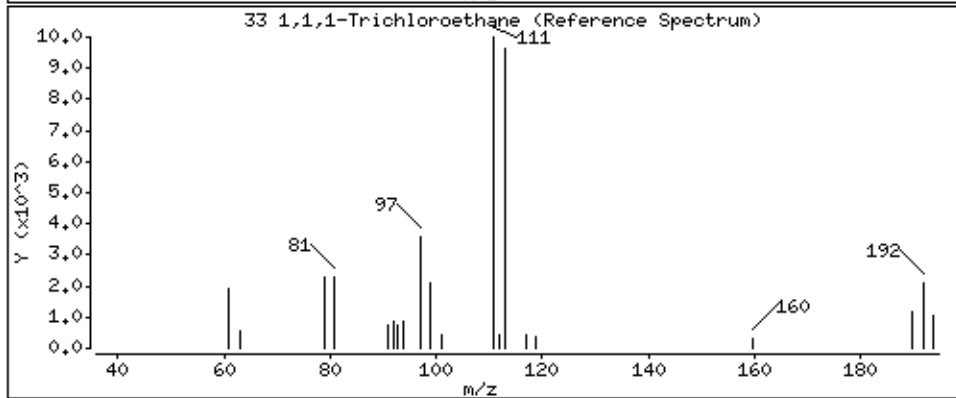
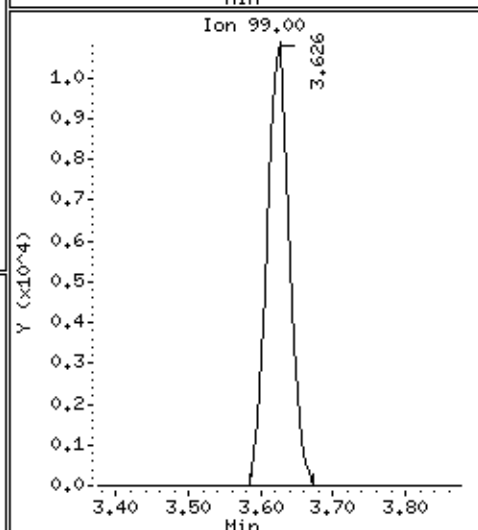
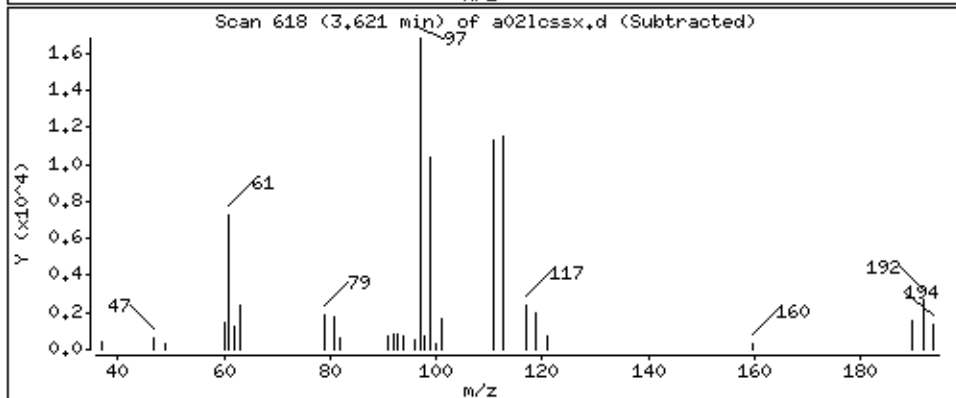
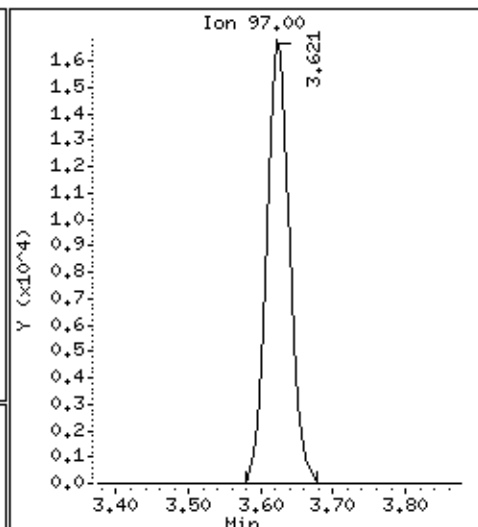
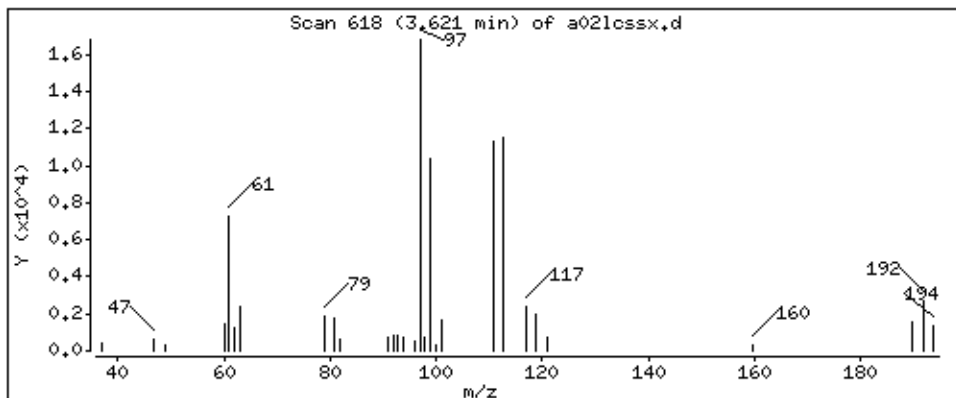
Column phase: DB-624

Column diameter: 0,18

33 1,1,1-Trichloroethane

Concentration: 41.3 ppb

Review Code:



Date : 02-JUL-2014 10:36

Client ID: MBLCS

Instrument: 50mv3a.i

Sample Info: 1122045,71089;5

Operator: jlz

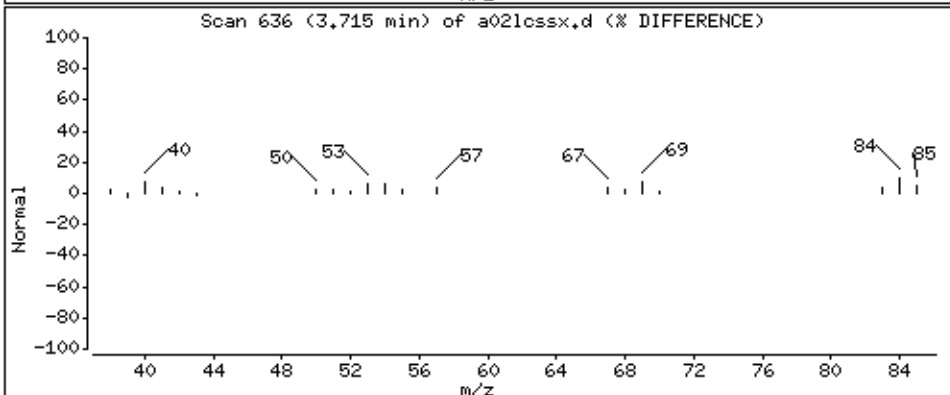
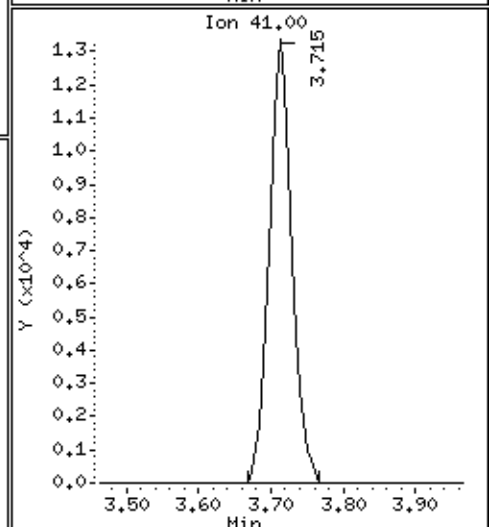
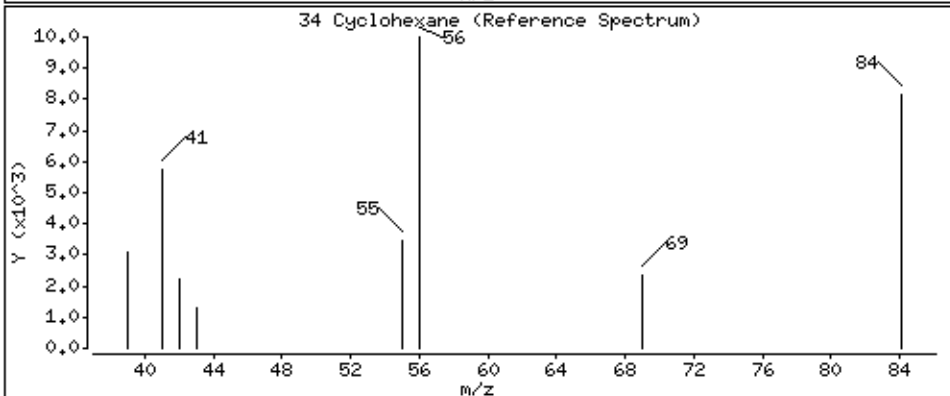
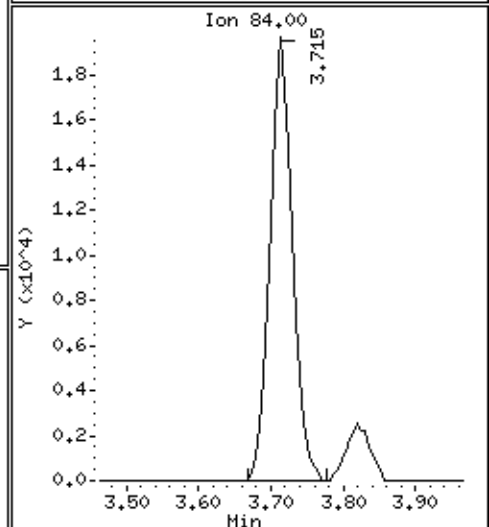
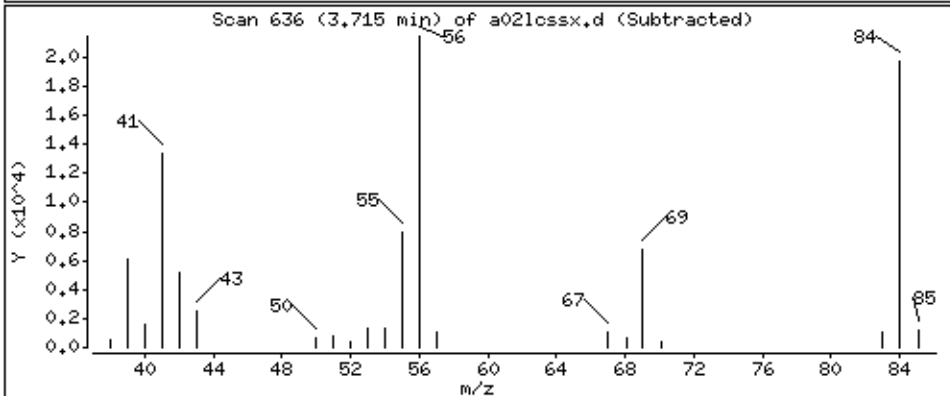
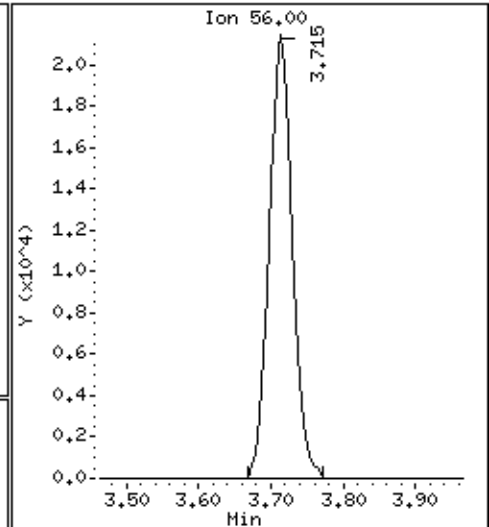
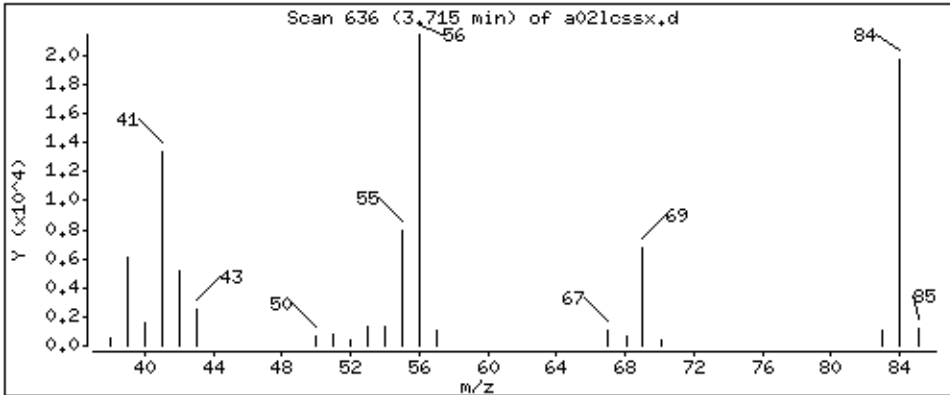
Column phase: DB-624

Column diameter: 0,18

34 Cyclohexane

Concentration: 46,0 ppb

Review Code:



Date : 02-JUL-2014 10:36

Client ID: MBLCS

Instrument: 50mv3a.i

Sample Info: 1122045,71089;5

Operator: jlz

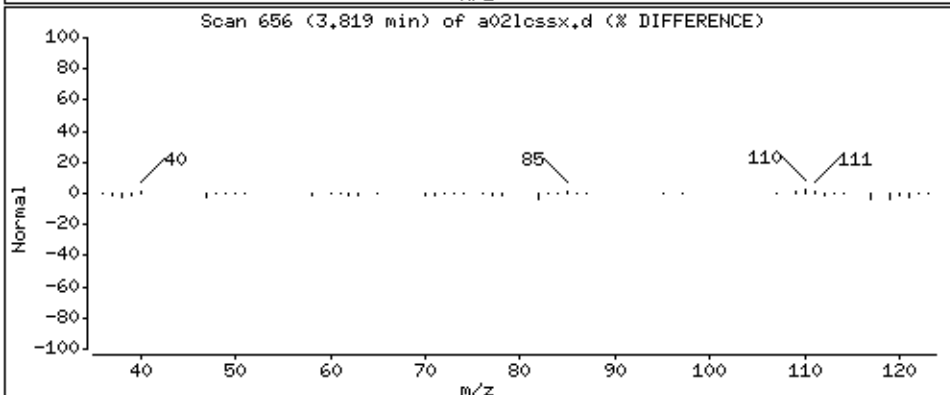
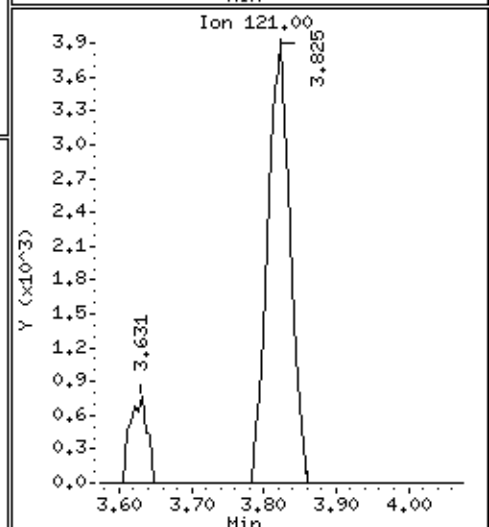
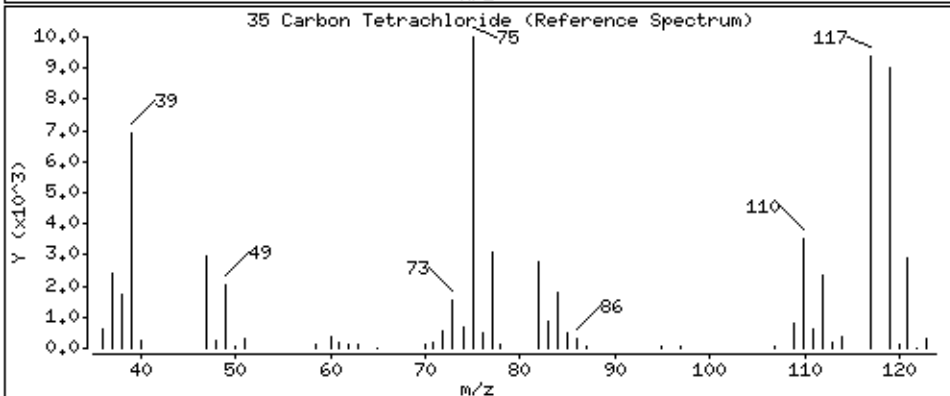
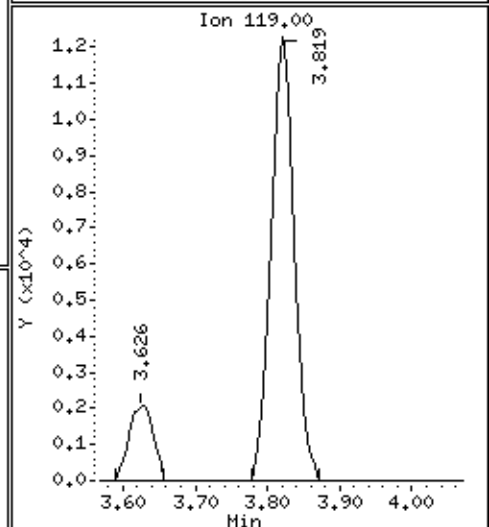
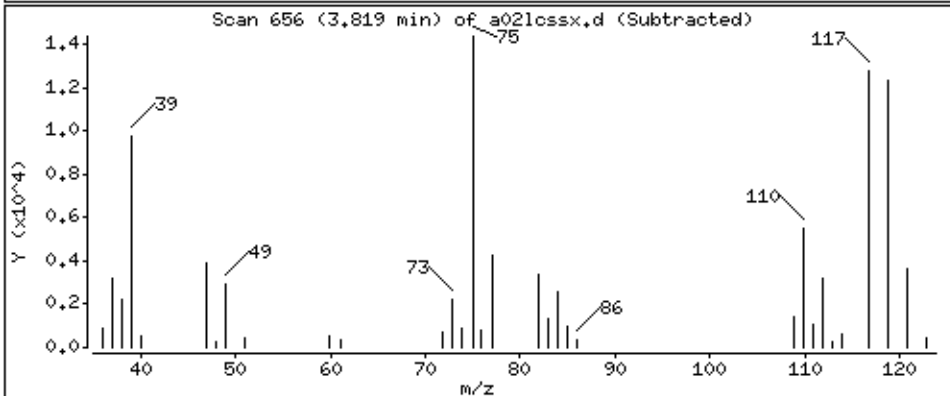
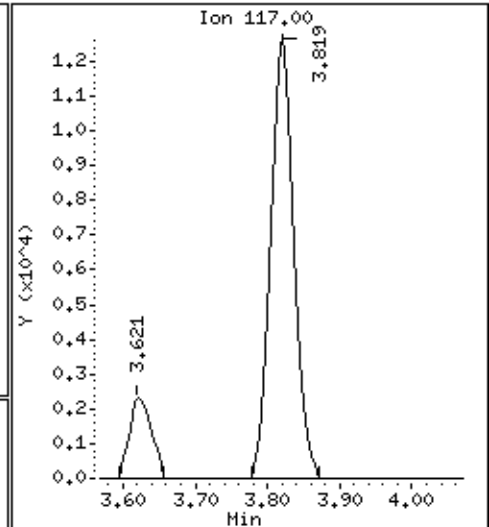
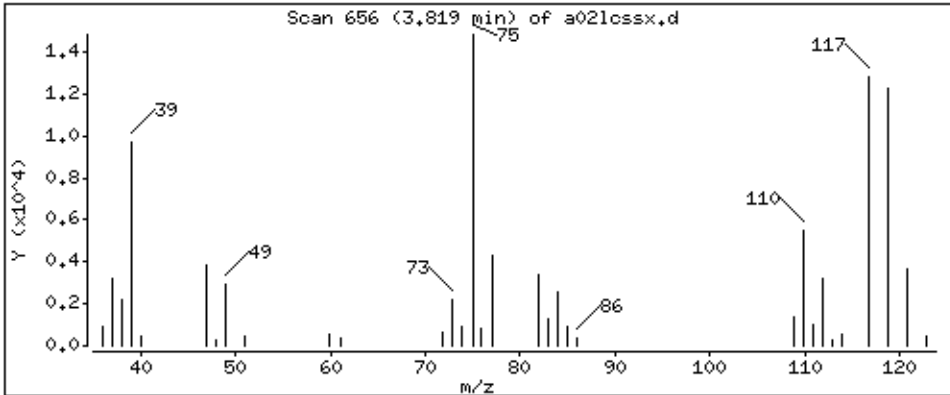
Column phase: DB-624

Column diameter: 0,18

35 Carbon Tetrachloride

Concentration: 39,0 ppb

Review Code:



Date : 02-JUL-2014 10:36

Client ID: MBLCS

Instrument: 50mv3a.i

Sample Info: 1122045,71089;5

Operator: jlz

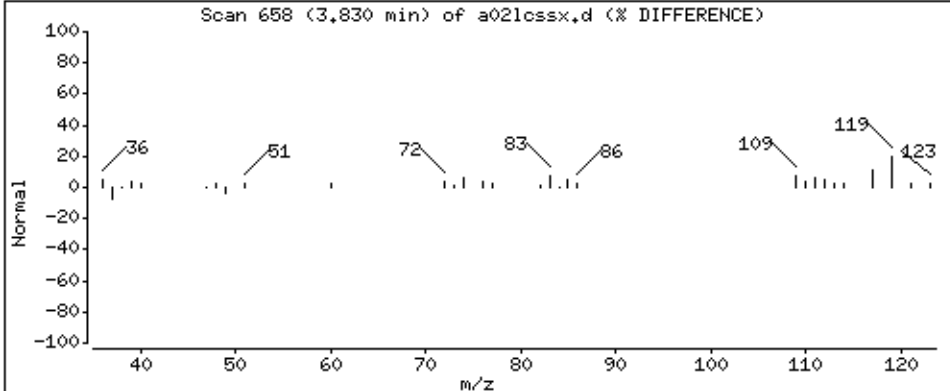
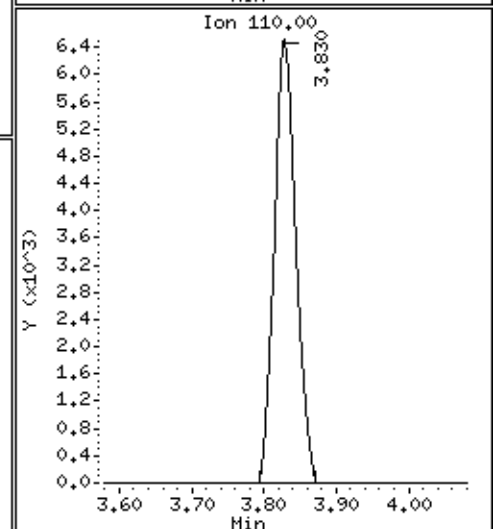
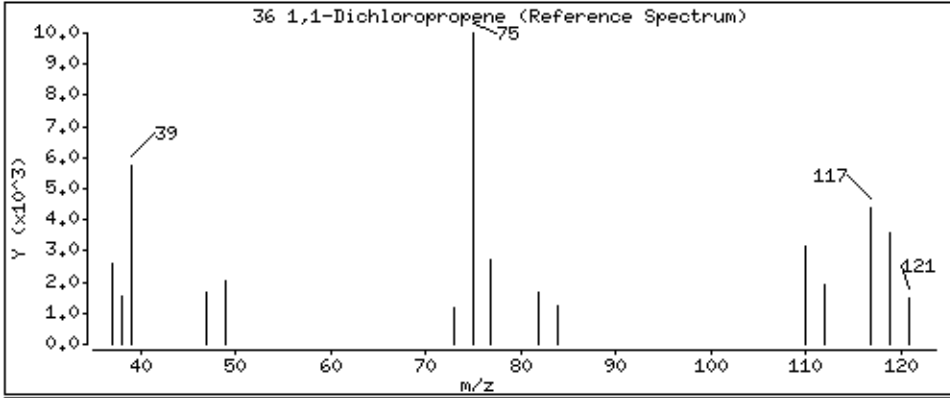
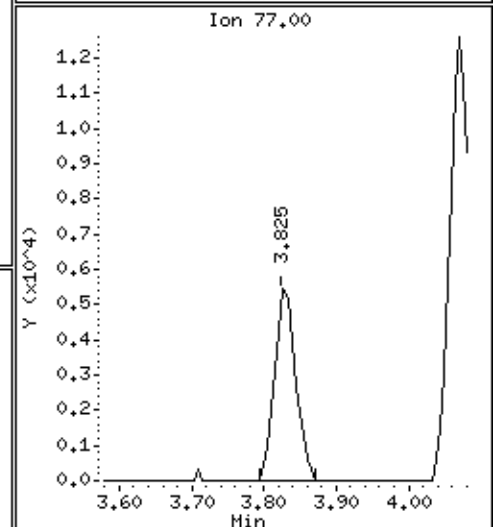
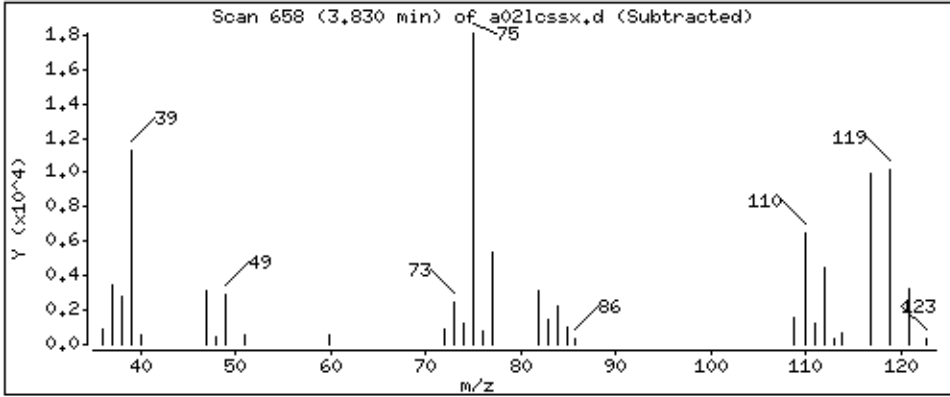
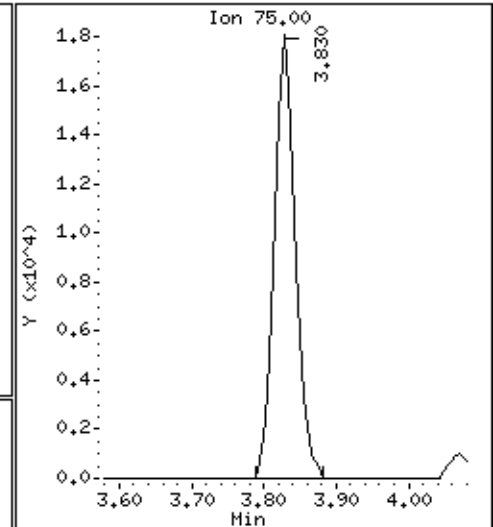
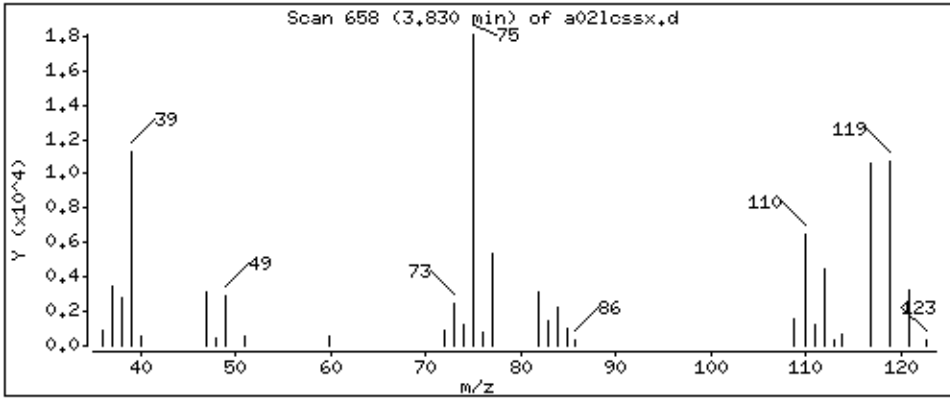
Column phase: DB-624

Column diameter: 0,18

36 1,1-Dichloropropene

Concentration: 41.4 ppb

Review Code:



Date : 02-JUL-2014 10:36

Client ID: MBLCS

Instrument: 50mv3a.i

Sample Info: 1122045,71089;5

Operator: jlz

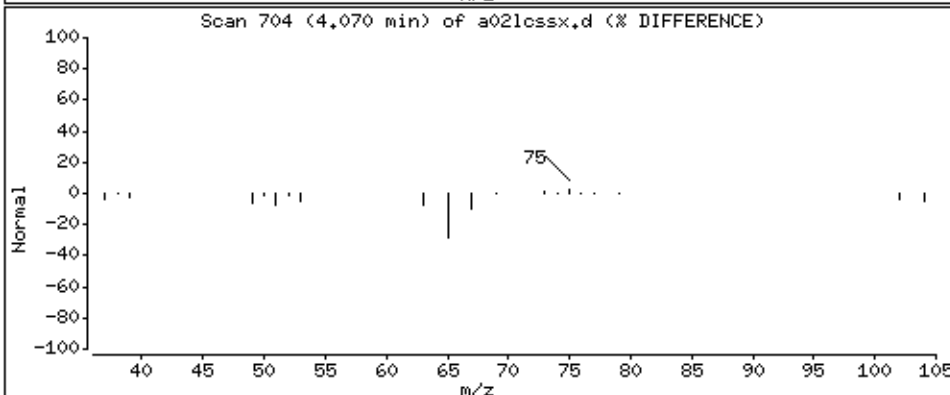
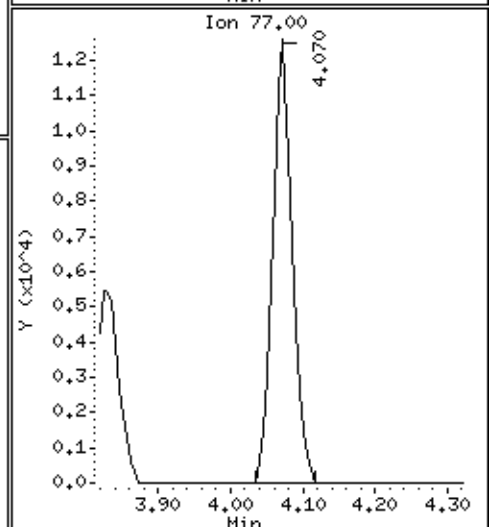
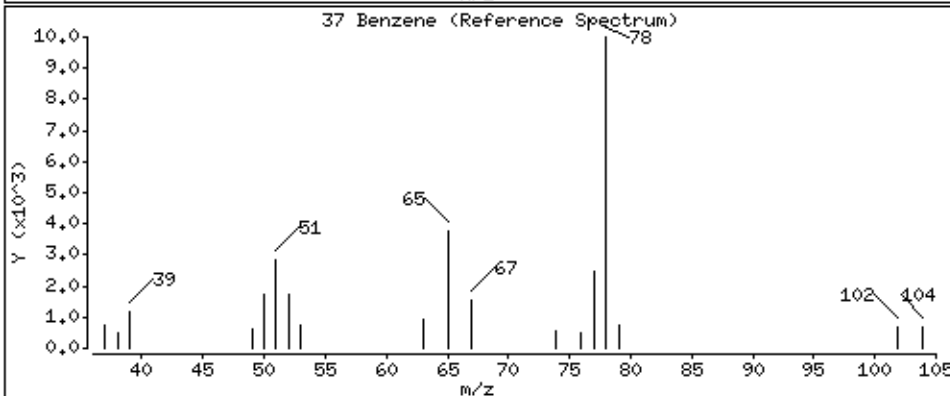
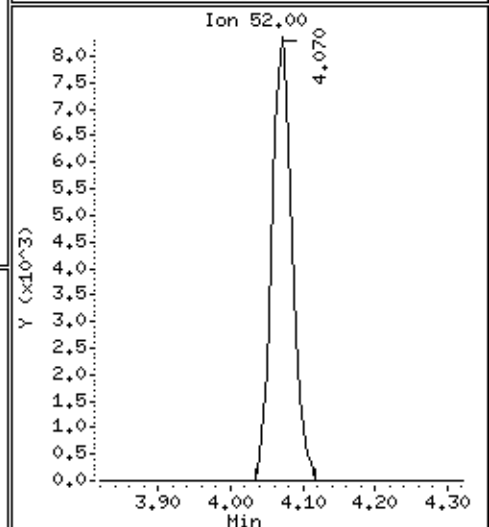
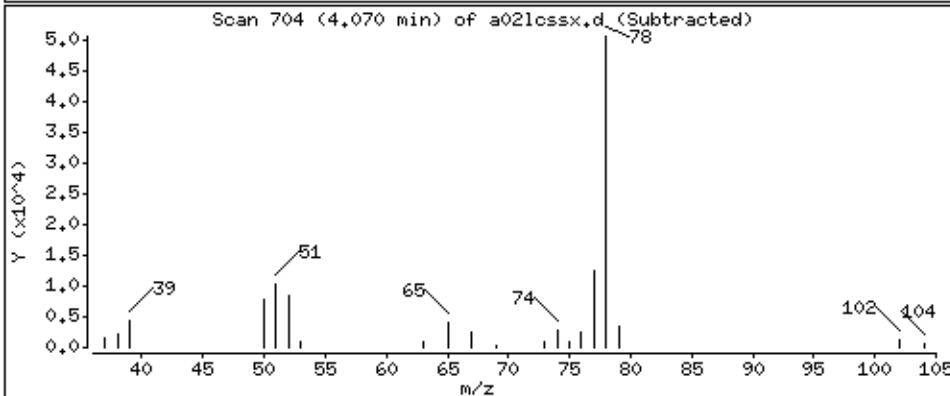
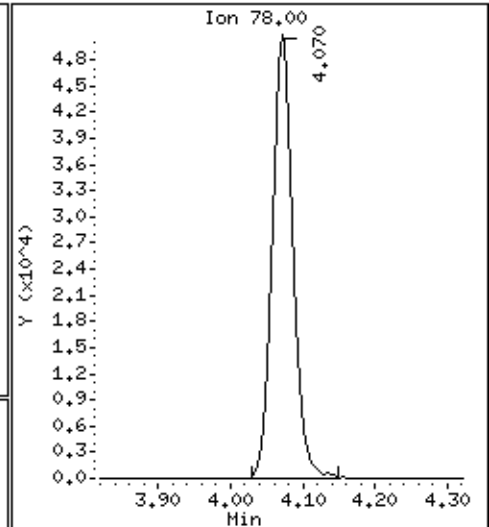
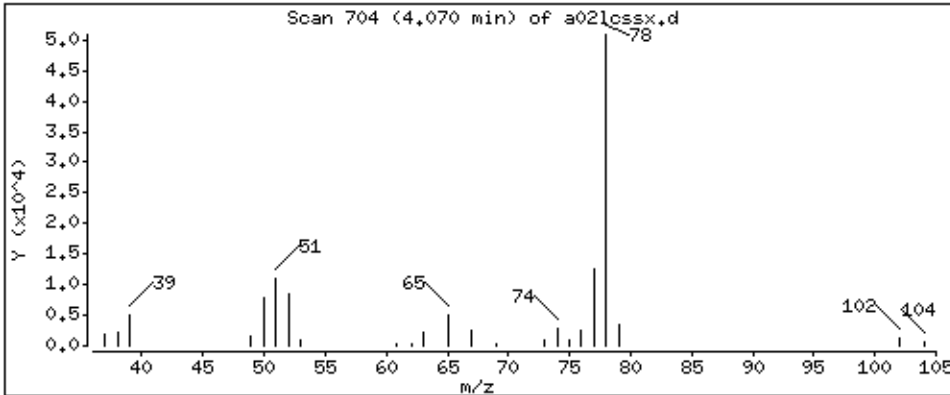
Column phase: DB-624

Column diameter: 0,18

37 Benzene

Concentration: 46,1 ppb

Review Code:



Date : 02-JUL-2014 10:36

Client ID: MBLCS

Instrument: 50mv3a.i

Sample Info: 1122045,71089;5

Operator: jlz

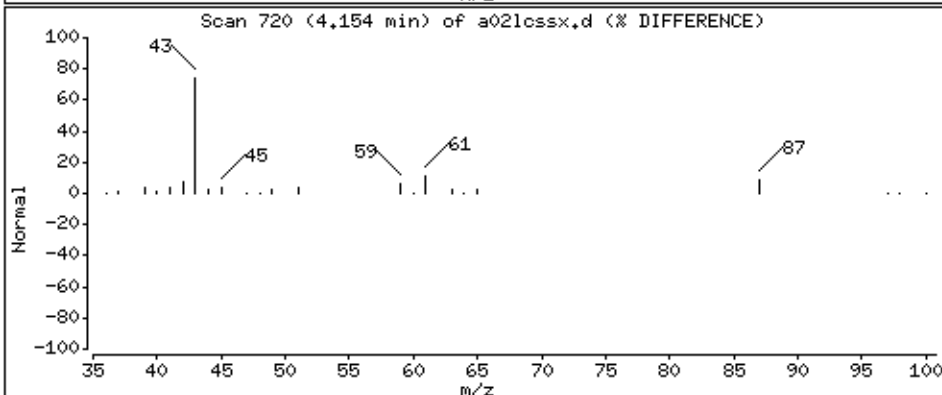
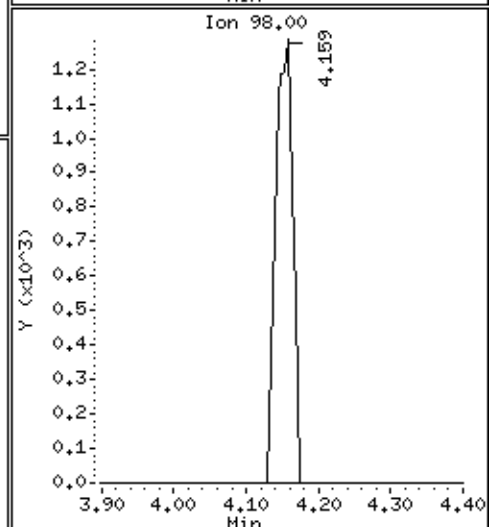
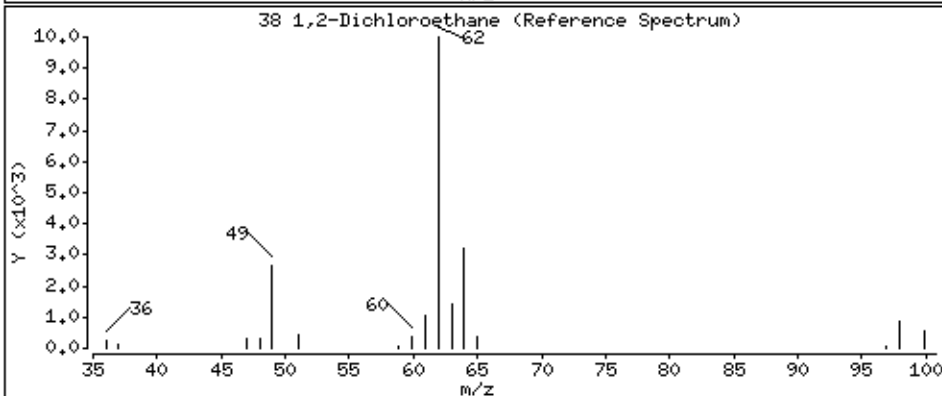
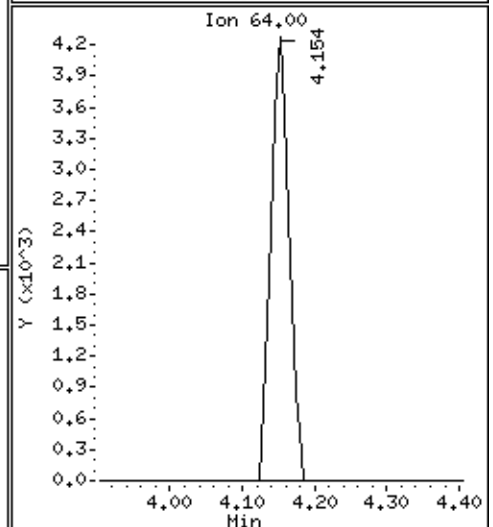
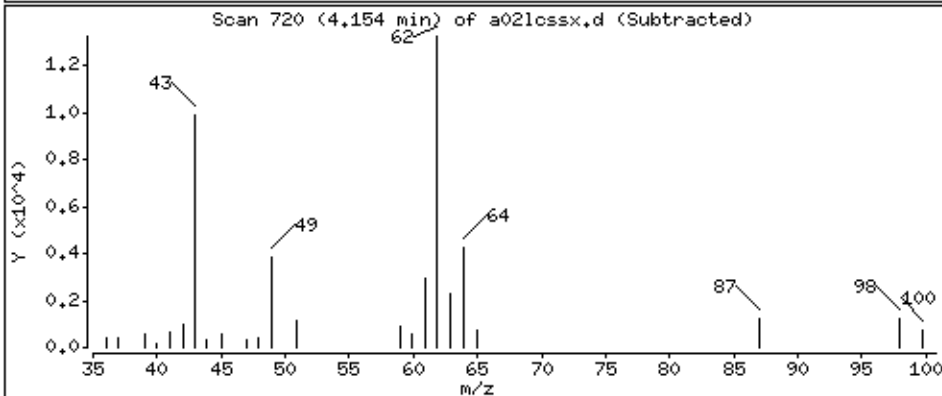
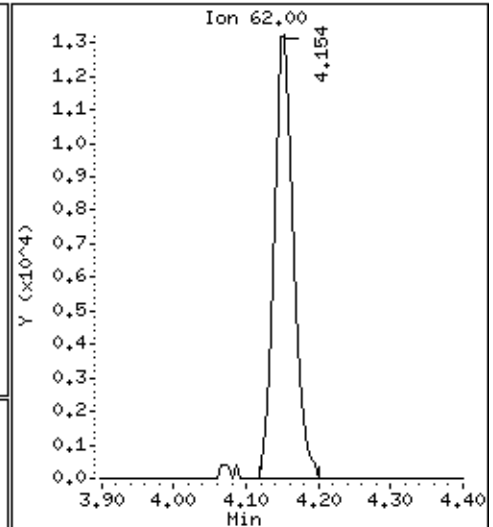
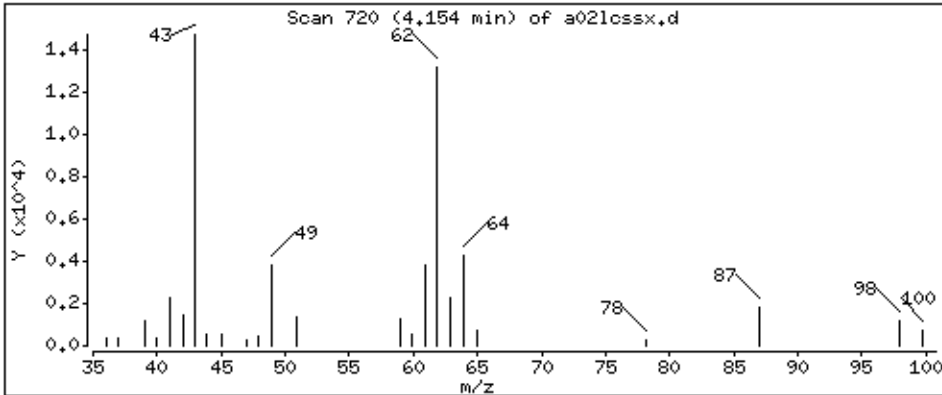
Column phase: DB-624

Column diameter: 0,18

38 1,2-Dichloroethane

Concentration: 39,4 ppb

Review Code:



Date : 02-JUL-2014 10:36

Client ID: MBLCS

Instrument: 50mv3a.i

Sample Info: 1122045,71089;5

Operator: jlz

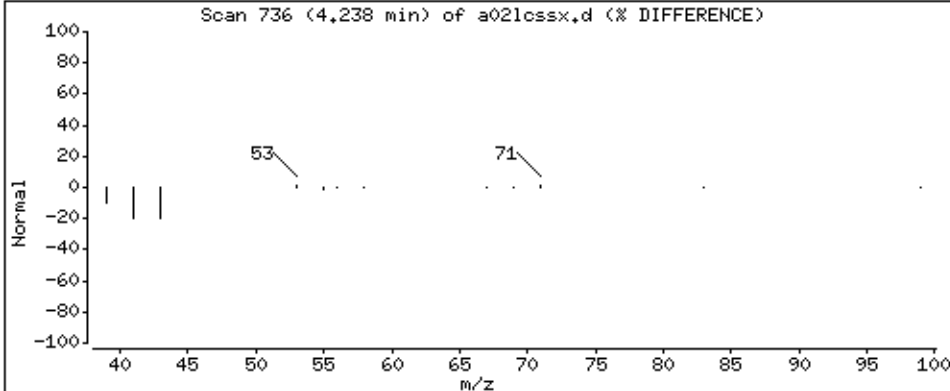
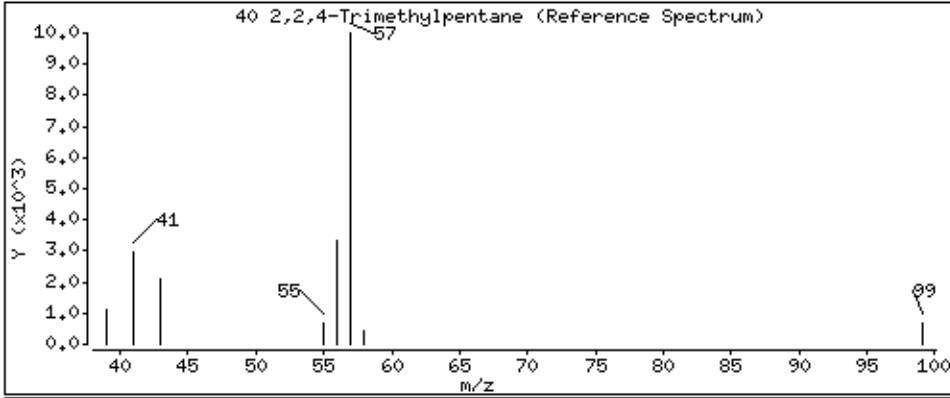
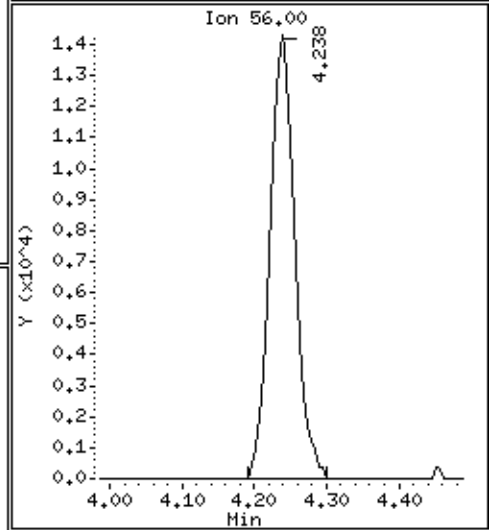
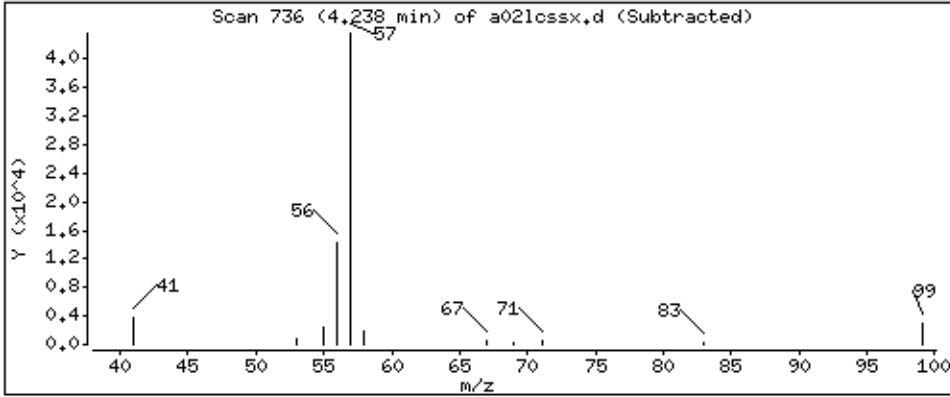
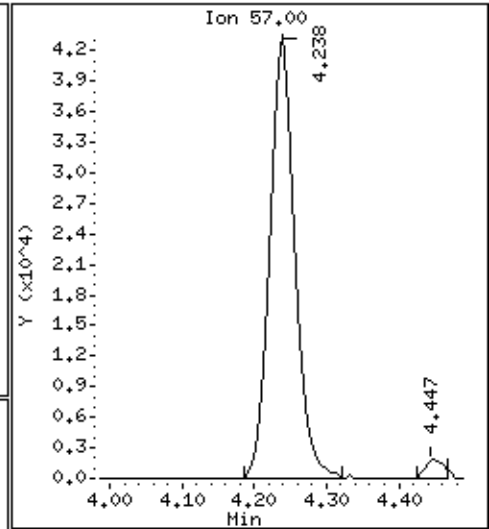
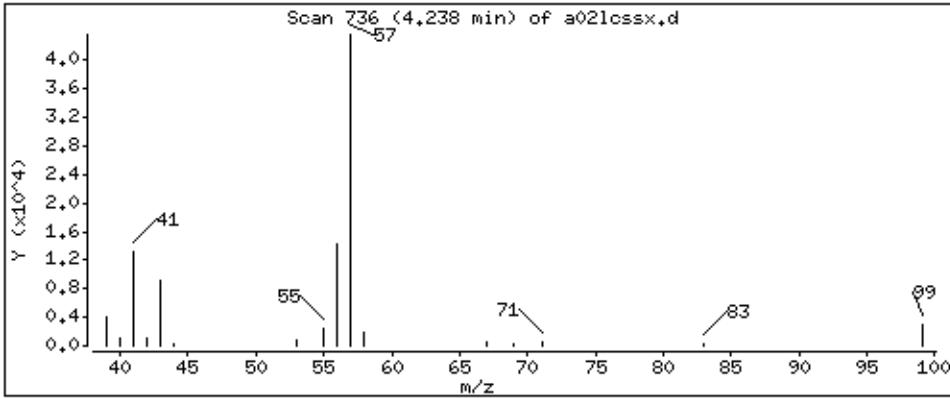
Column phase: DB-624

Column diameter: 0,18

40 2,2,4-Trimethylpentane

Concentration: 41.2 ppb

Review Code:



Date : 02-JUL-2014 10:36

Client ID: MBLCS

Instrument: 50mv3a.i

Sample Info: 1122045,71089;5

Operator: jlz

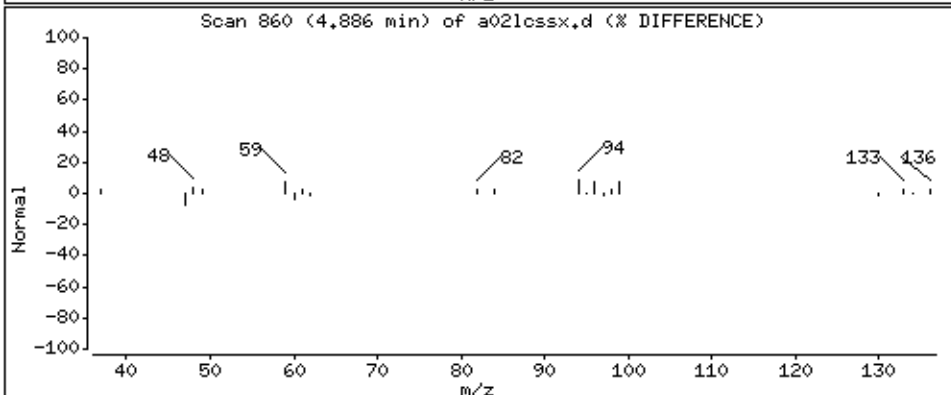
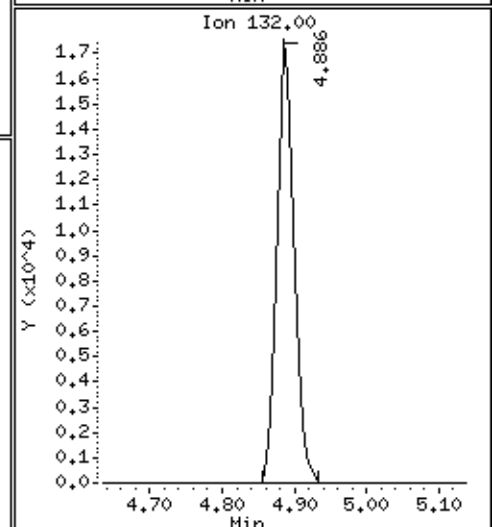
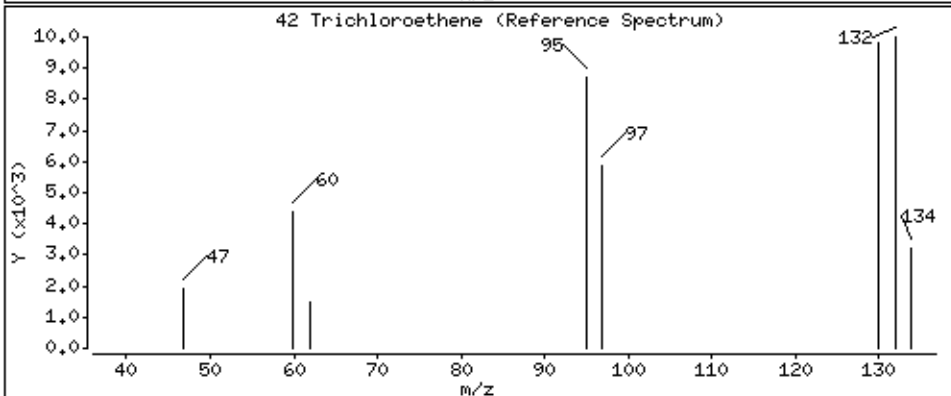
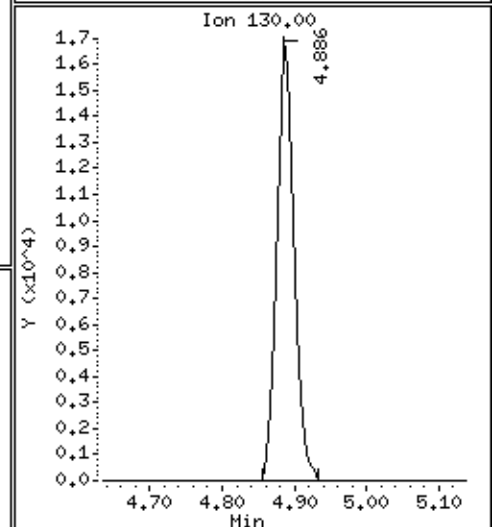
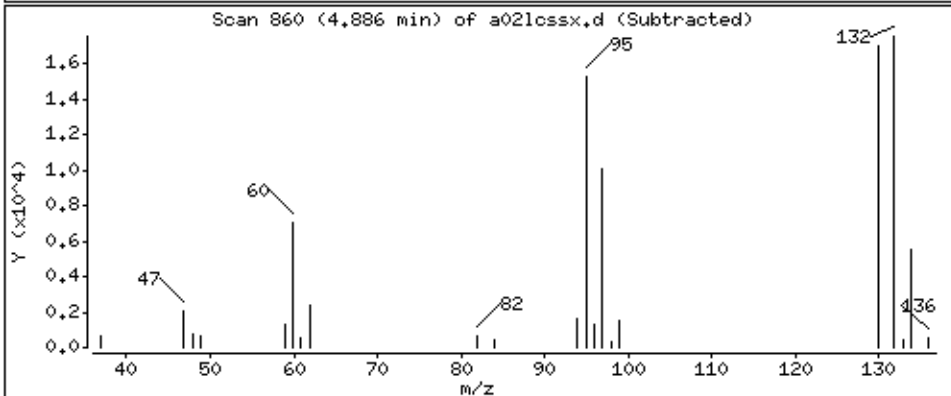
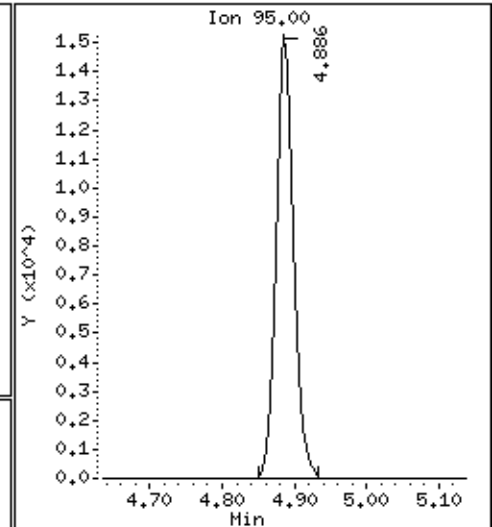
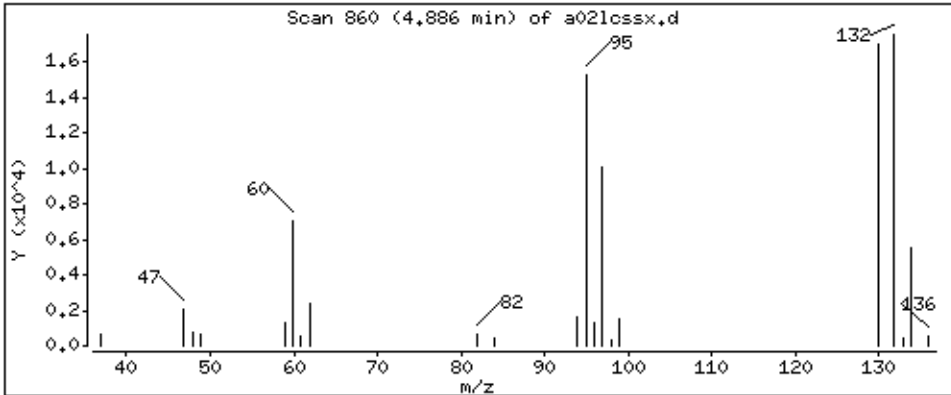
Column phase: DB-624

Column diameter: 0,18

42 Trichloroethene

Concentration: 42.9 ppb

Review Code:



Date : 02-JUL-2014 10:36

Client ID: MBLCS

Instrument: 50mw3a.i

Sample Info: 1122045,71089;5

Operator: jlz

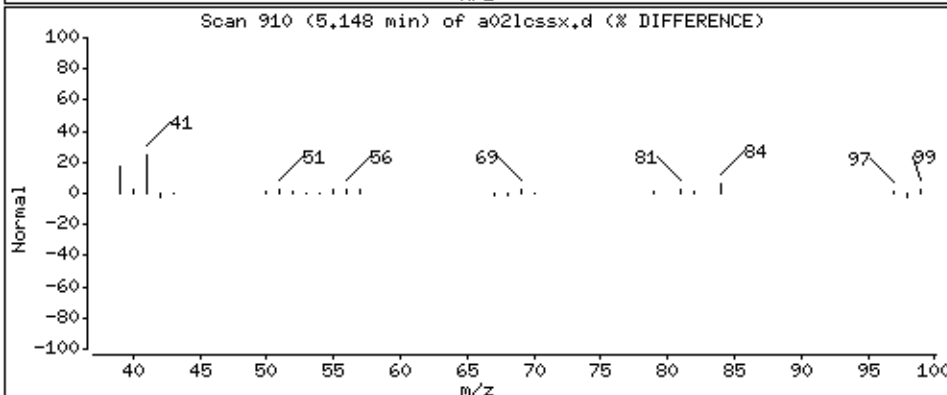
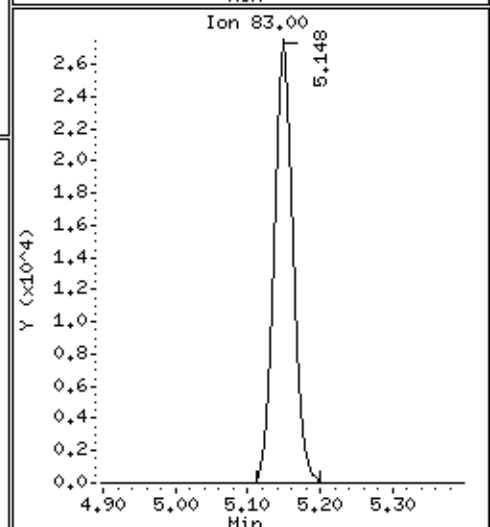
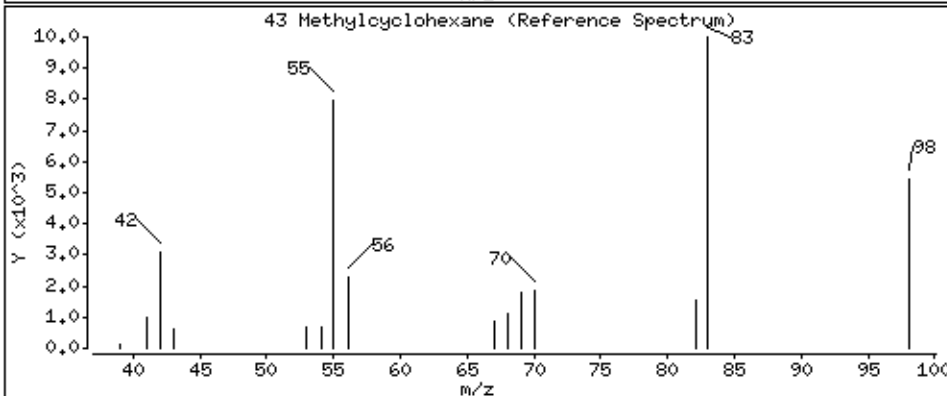
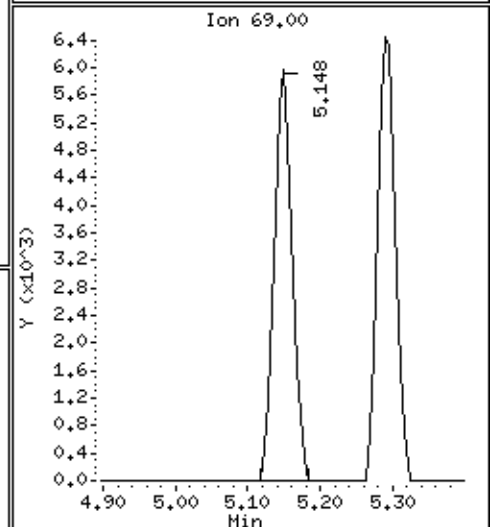
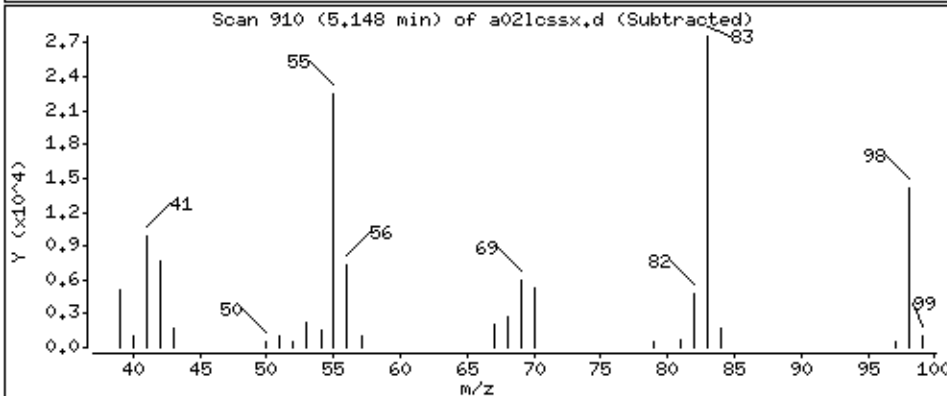
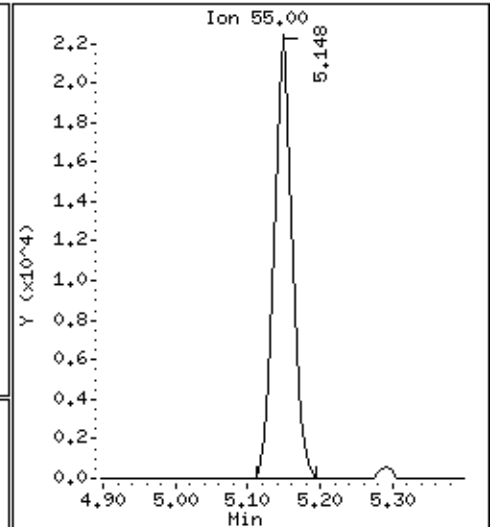
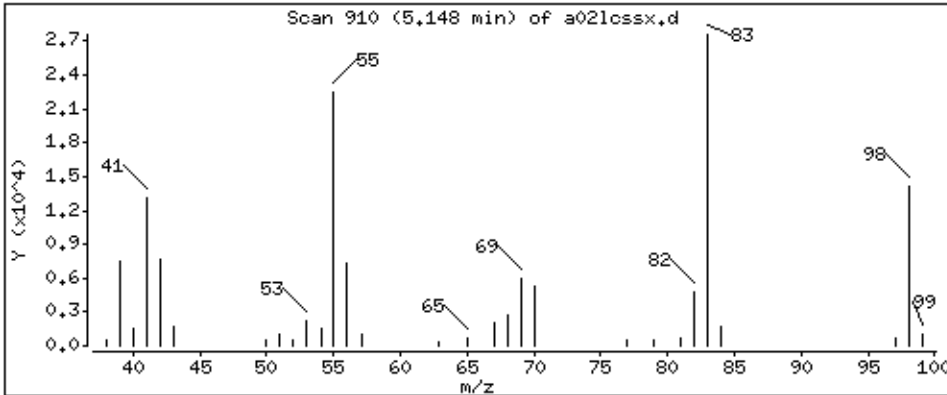
Column phase: DB-624

Column diameter: 0,18

43 Methylcyclohexane

Concentration: 45,0 ppb

Review Code:



Date : 02-JUL-2014 10:36

Client ID: MBLCS

Instrument: 50mv3a.i

Sample Info: 1122045,71089;5

Operator: jlz

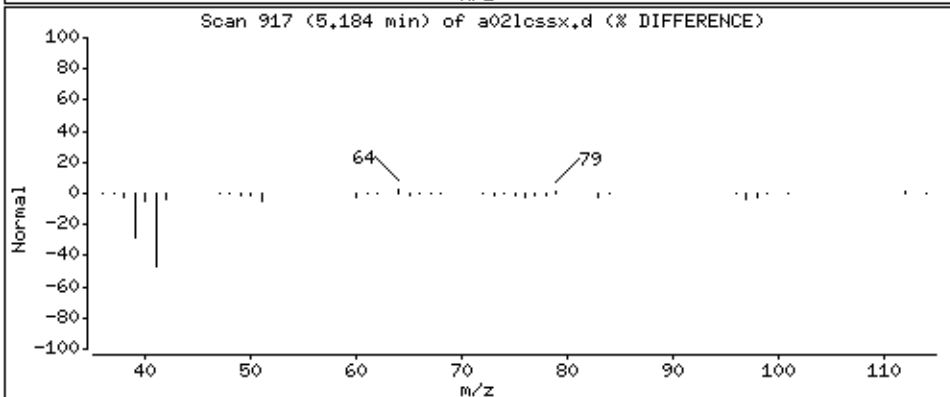
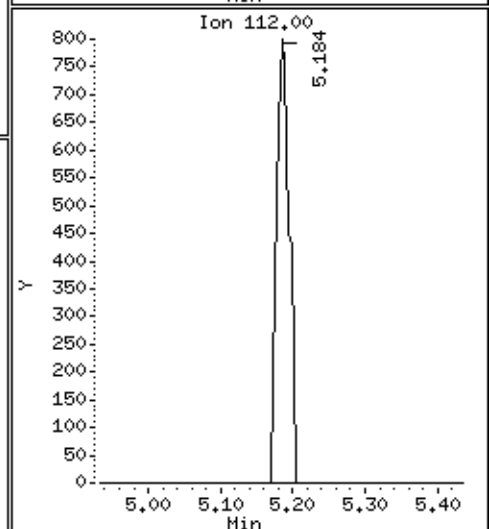
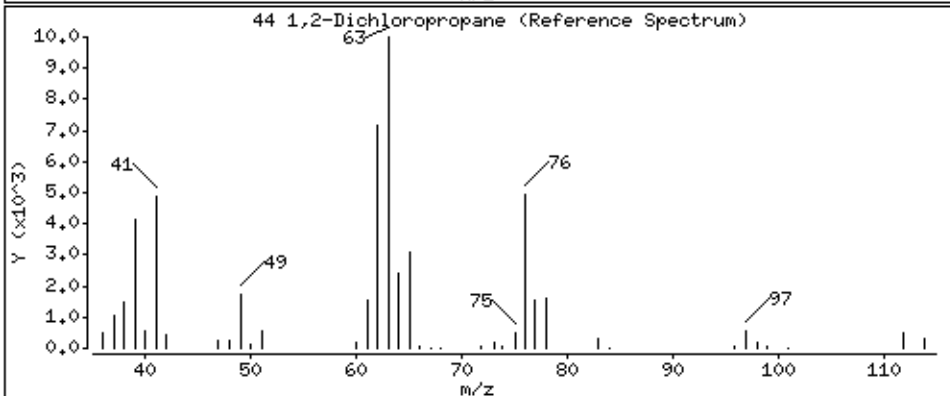
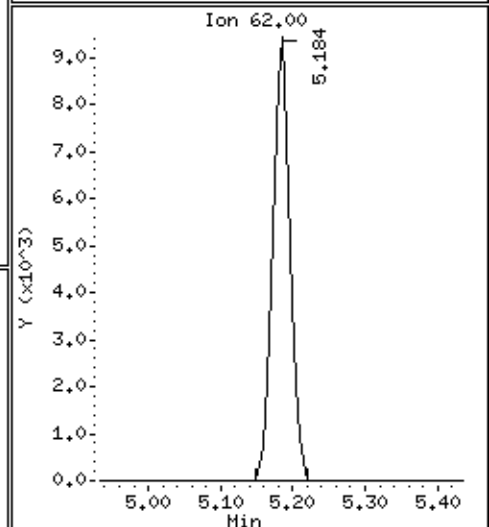
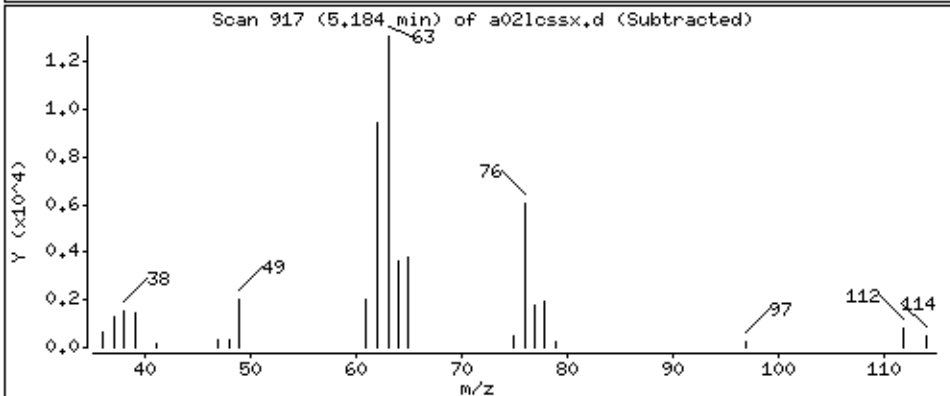
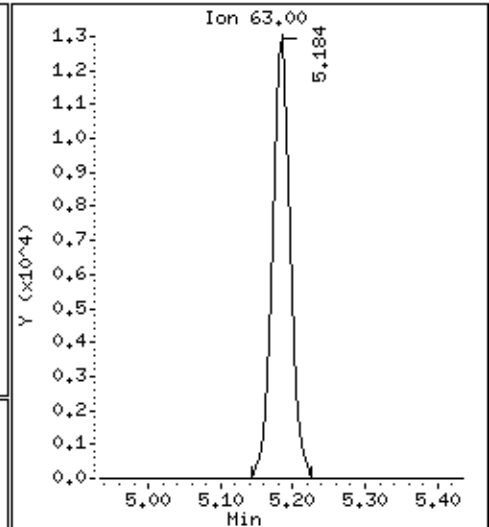
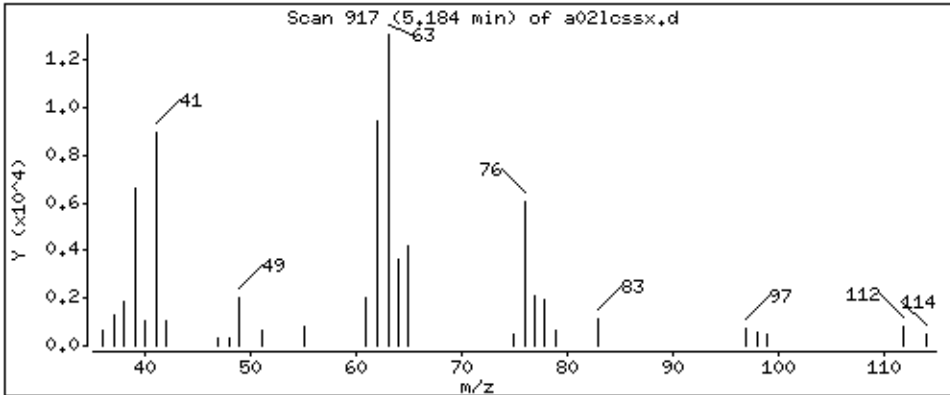
Column phase: DB-624

Column diameter: 0,18

44 1,2-Dichloropropane

Concentration: 44,4 ppb

Review Code:



Date : 02-JUL-2014 10:36

Client ID: MBLCS

Instrument: 50mw3a.i

Sample Info: 1122045,71089;5

Operator: jlz

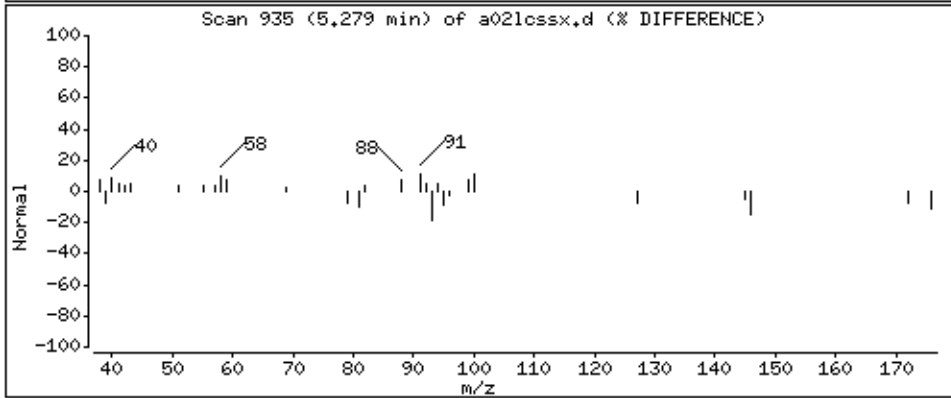
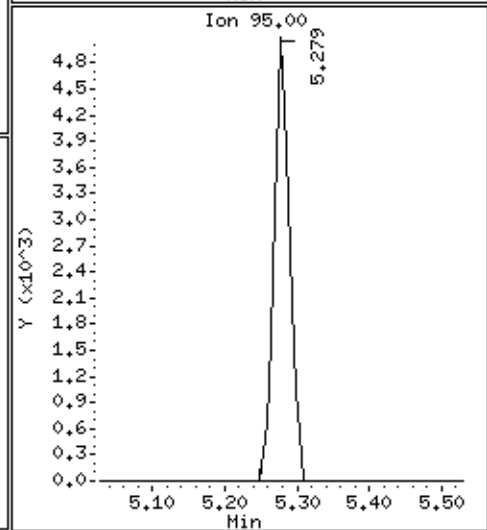
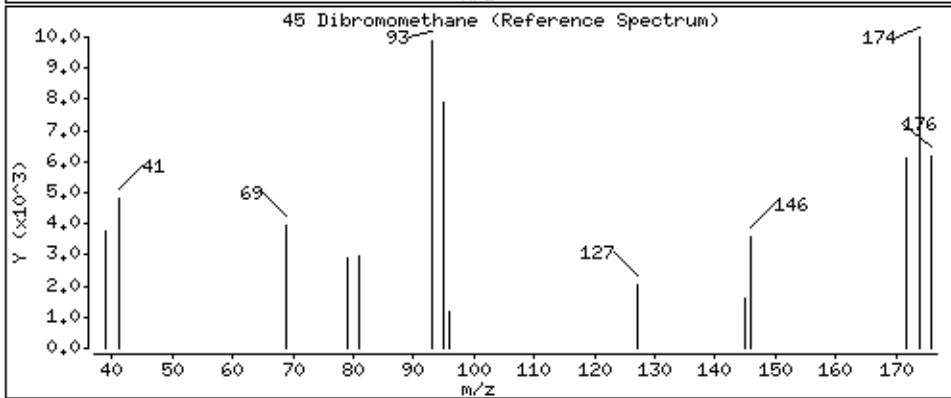
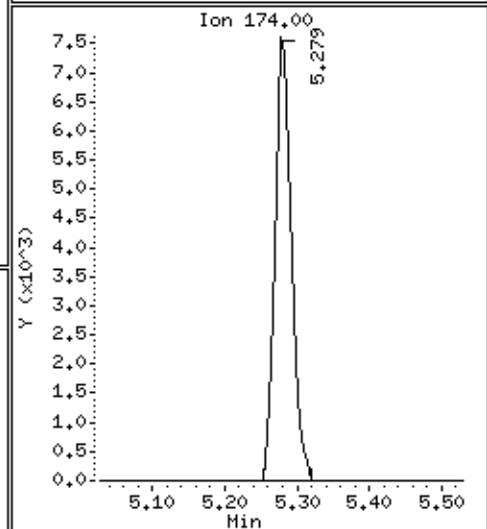
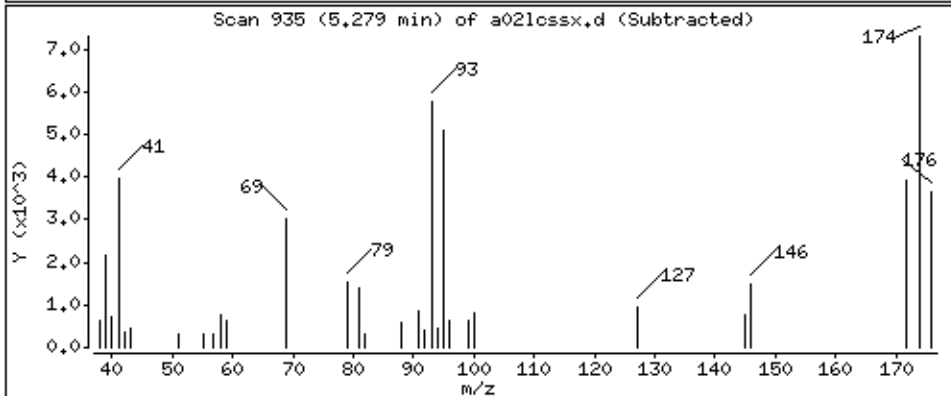
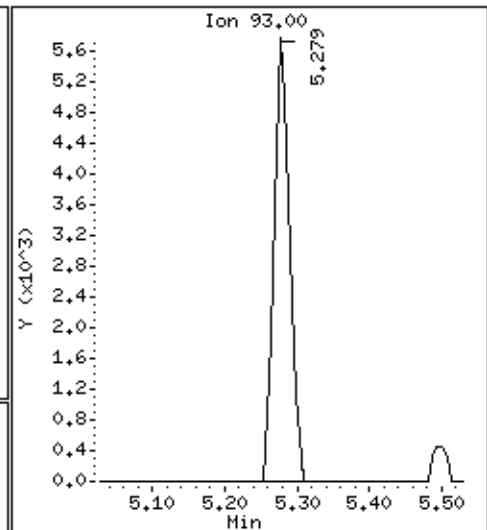
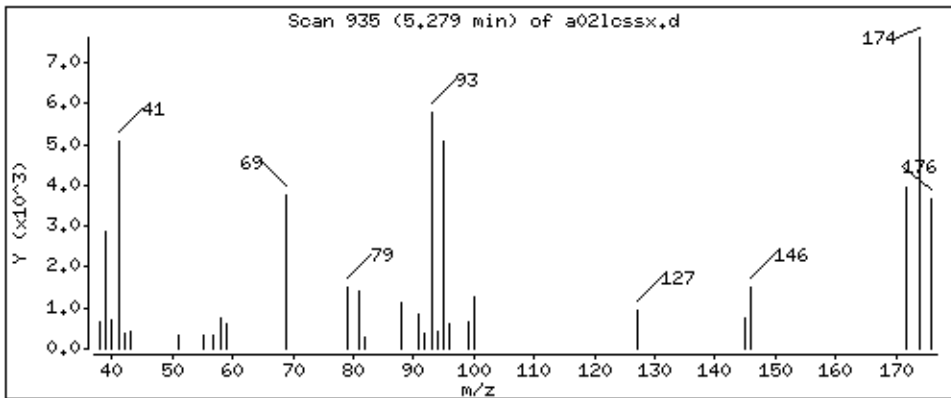
Column phase: DB-624

Column diameter: 0,18

45 Dibromomethane

Concentration: 39,6 ppb

Review Code:



Date : 02-JUL-2014 10:36

Client ID: MBLCS

Instrument: 50mv3a.i

Sample Info: 1122045,71089;5

Operator: jlz

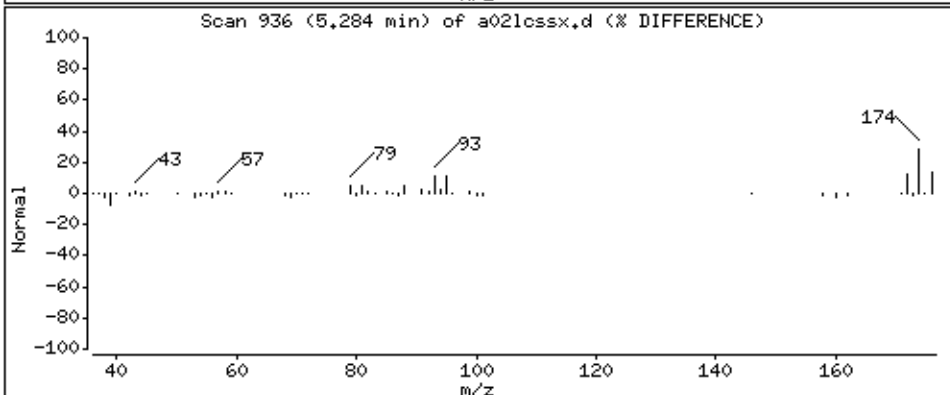
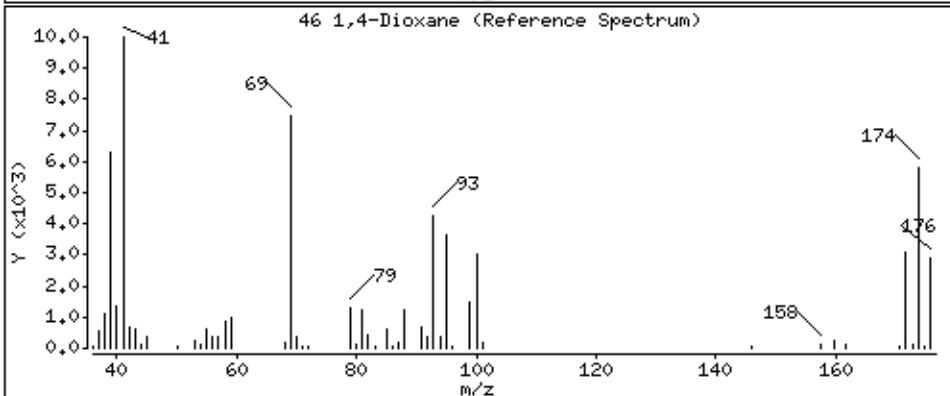
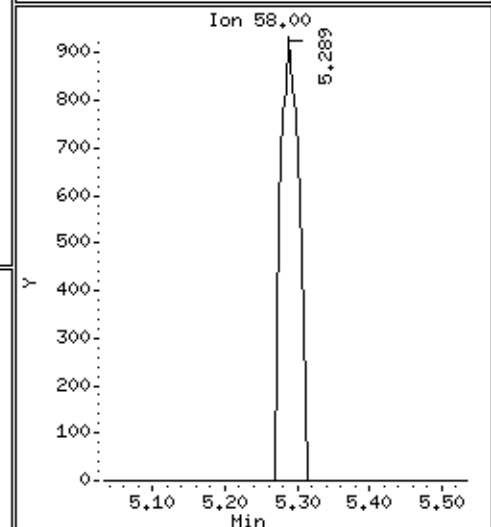
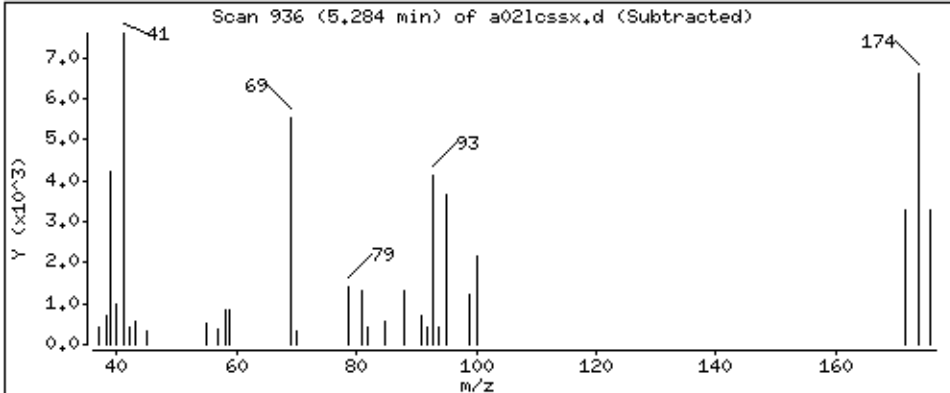
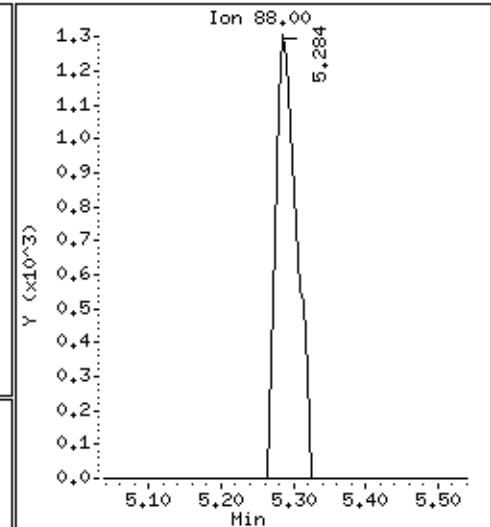
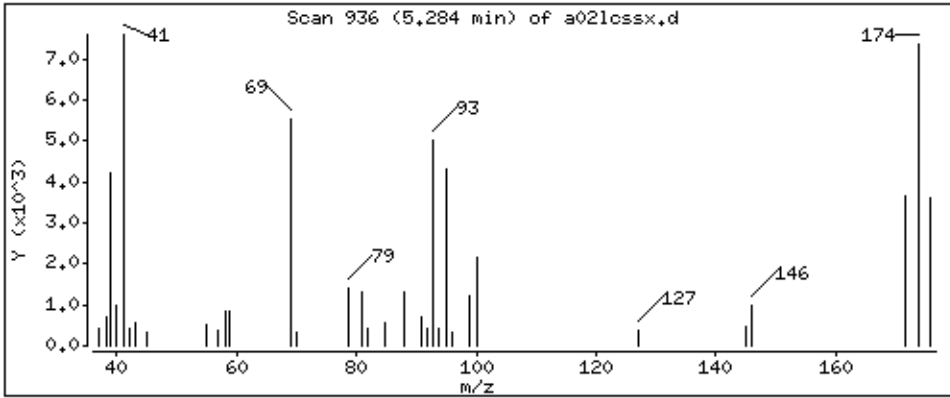
Column phase: DB-624

Column diameter: 0,18

46 1,4-Dioxane

Concentration: 822 ppb

Review Code:



Date : 02-JUL-2014 10:36

Client ID: MBLCS

Instrument: 50mw3a.i

Sample Info: 1122045,71089;5

Operator: jlz

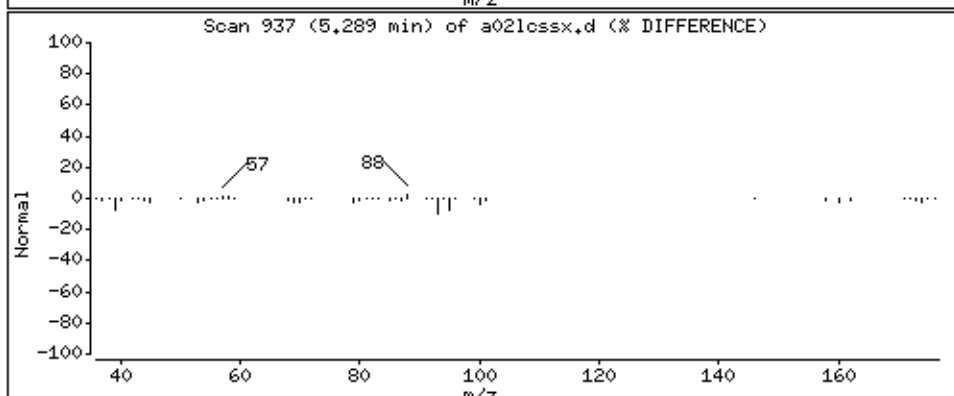
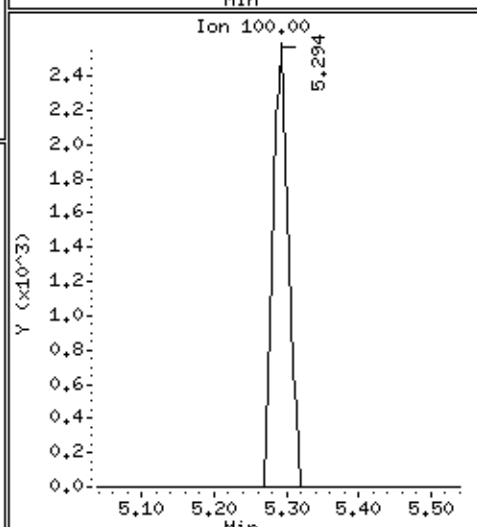
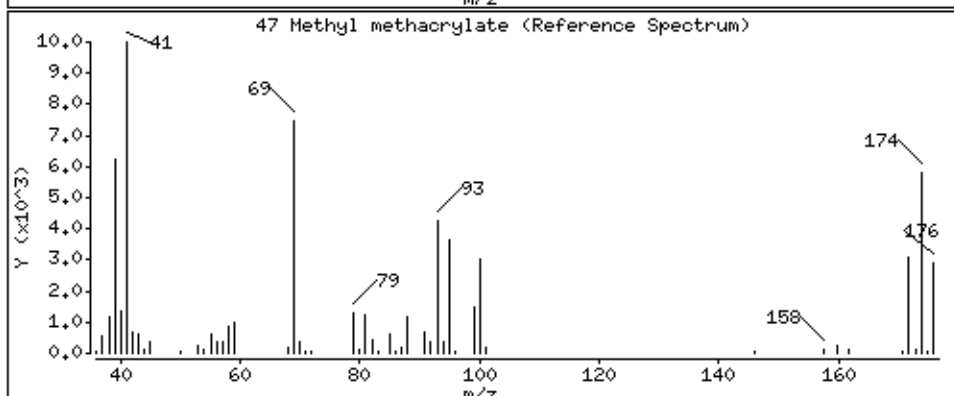
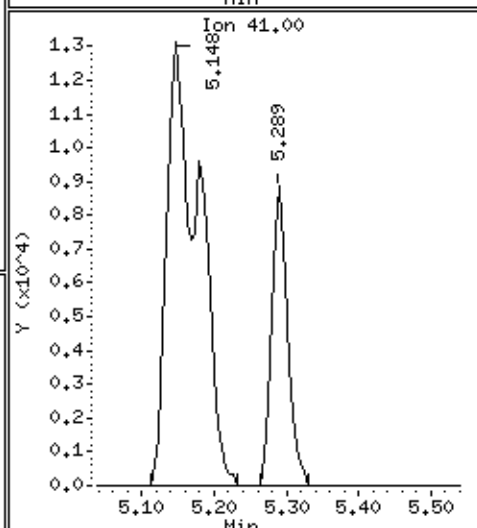
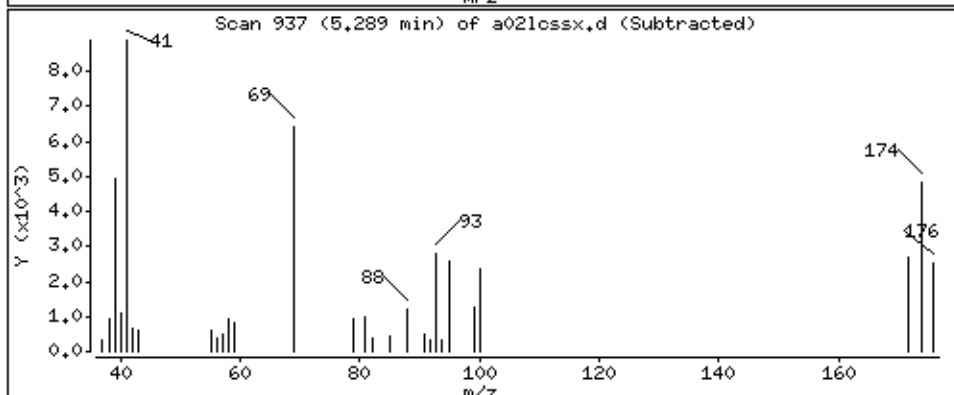
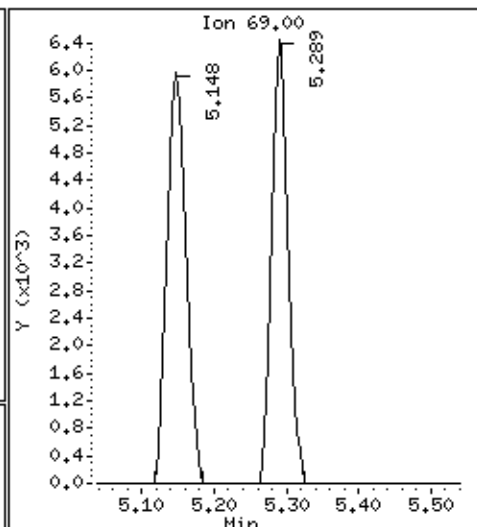
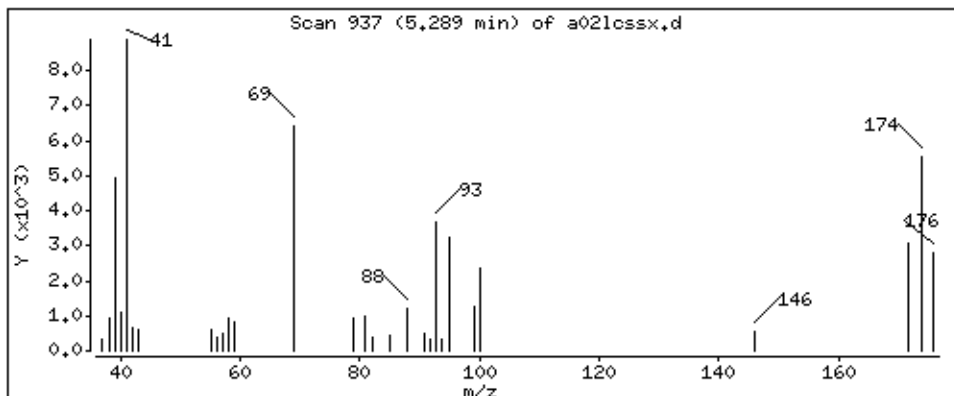
Column phase: DB-624

Column diameter: 0,18

47 Methyl methacrylate

Concentration: 43,1 ppb

Review Code:



Date : 02-JUL-2014 10:36

Client ID: MBLCS

Instrument: 50mw3a.i

Sample Info: 1122045,71089;5

Operator: jlz

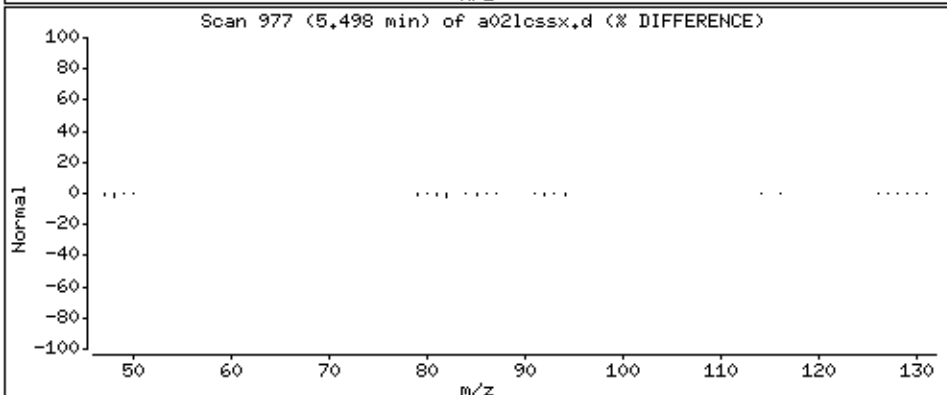
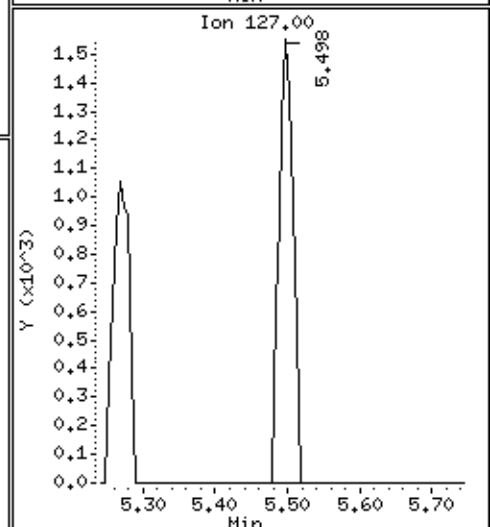
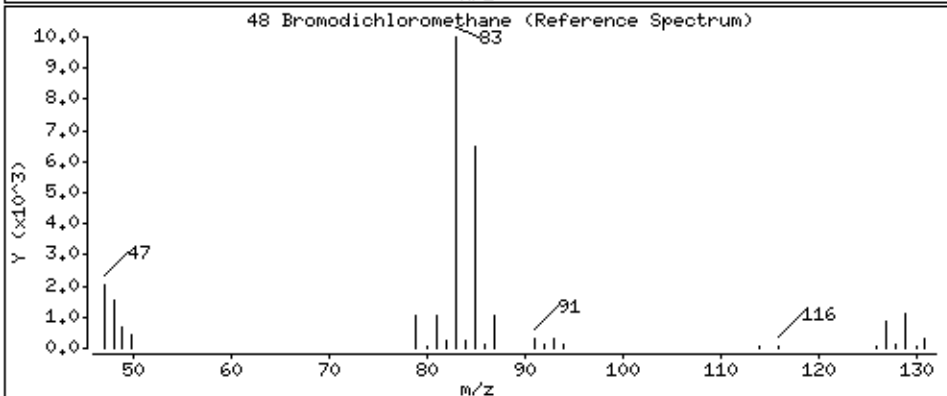
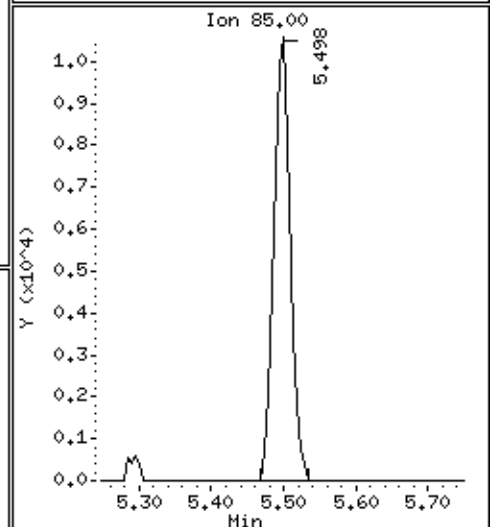
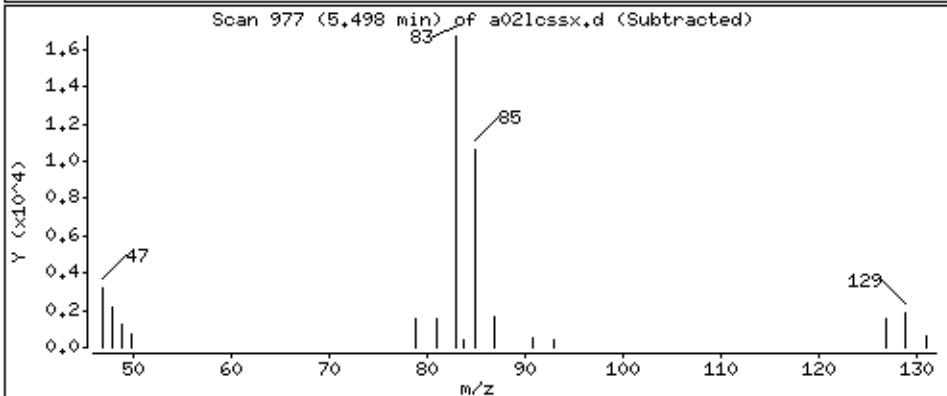
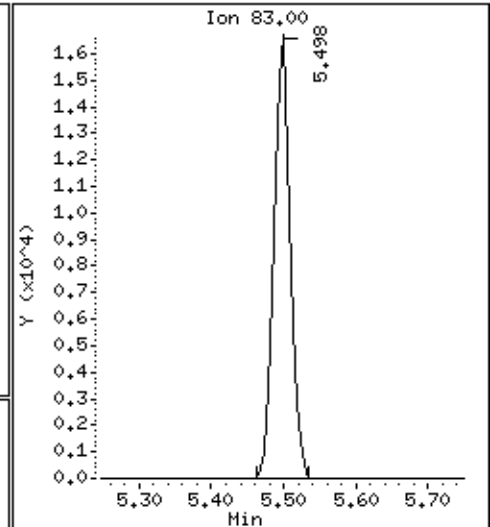
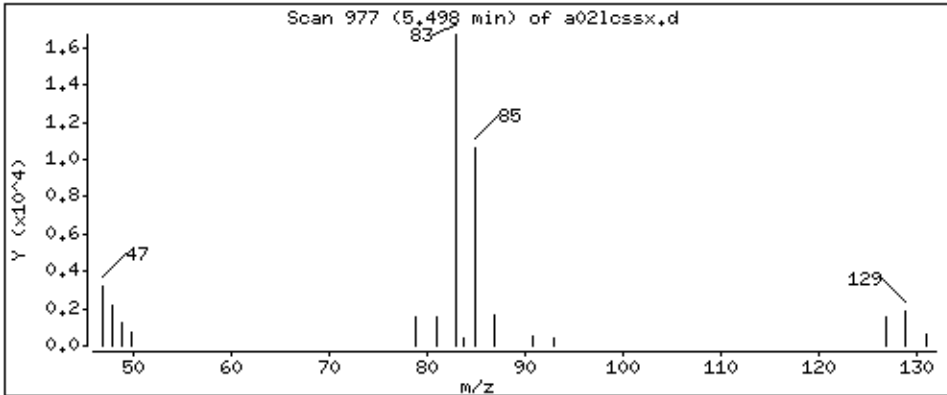
Column phase: DB-624

Column diameter: 0,18

48 Bromodichloromethane

Concentration: 41.4 ppb

Review Code:



Date : 02-JUL-2014 10:36

Client ID: MBLCS

Instrument: 50mw3a.i

Sample Info: 1122045,71089;5

Operator: jlz

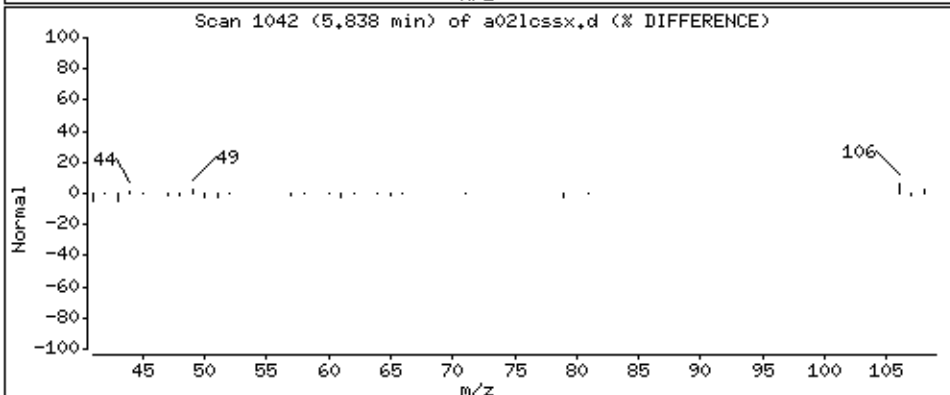
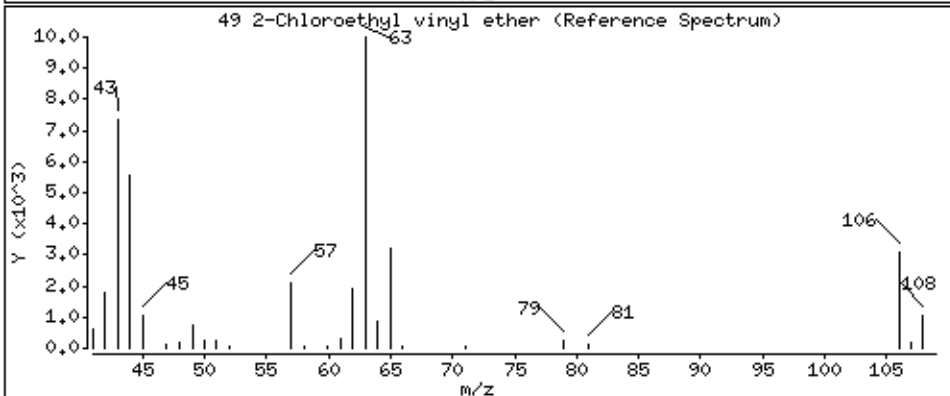
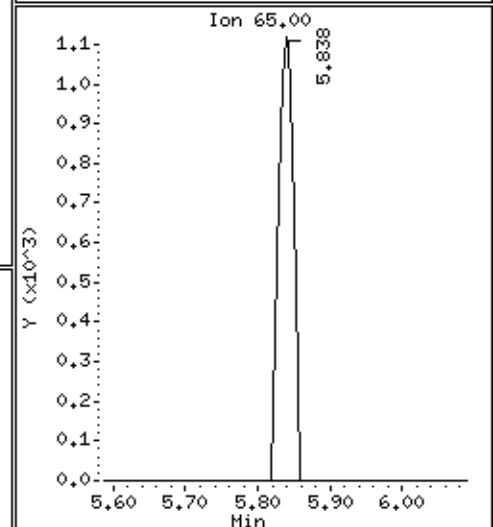
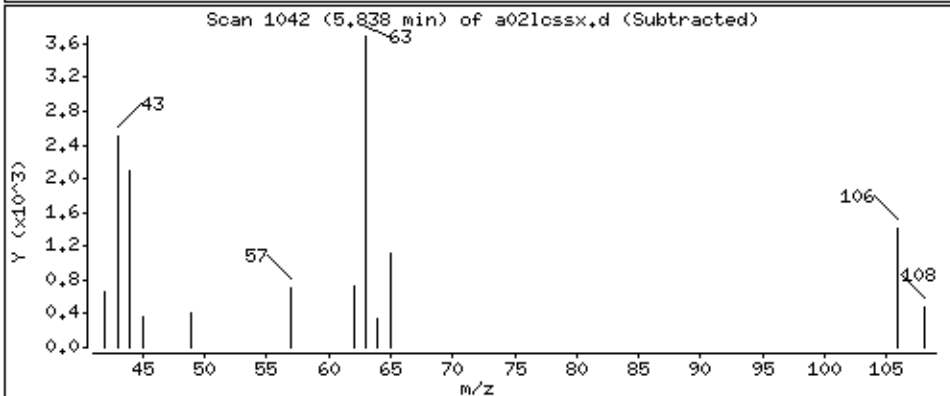
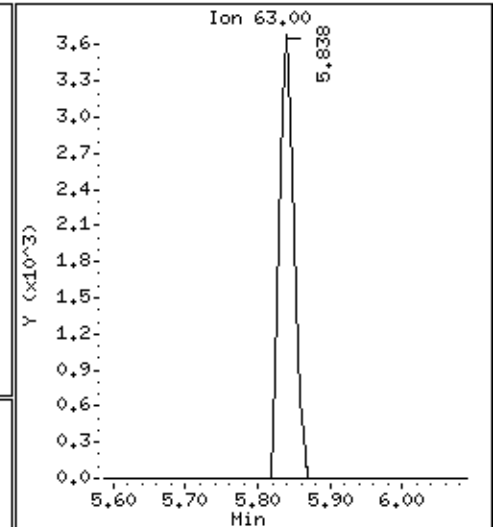
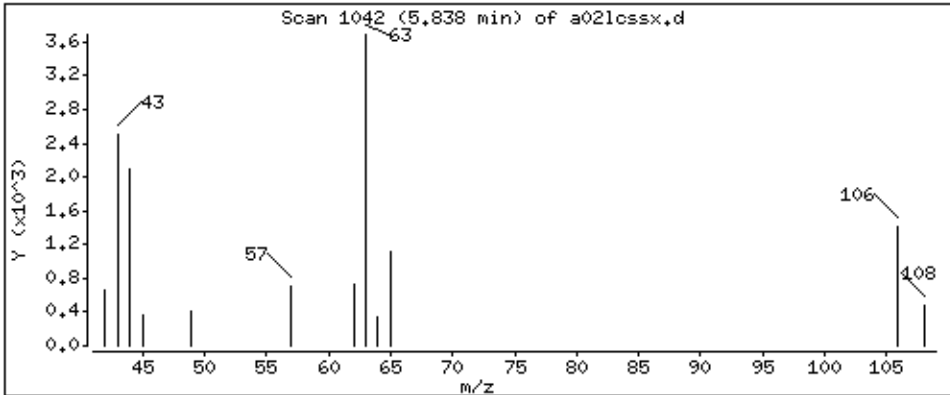
Column phase: DB-624

Column diameter: 0,18

49 2-Chloroethyl vinyl ether

Concentration: 37,9 ppb

Review Code:



Date : 02-JUL-2014 10:36

Client ID: MBLCS

Instrument: 50mv3a.i

Sample Info: 1122045,71089;5

Operator: jlz

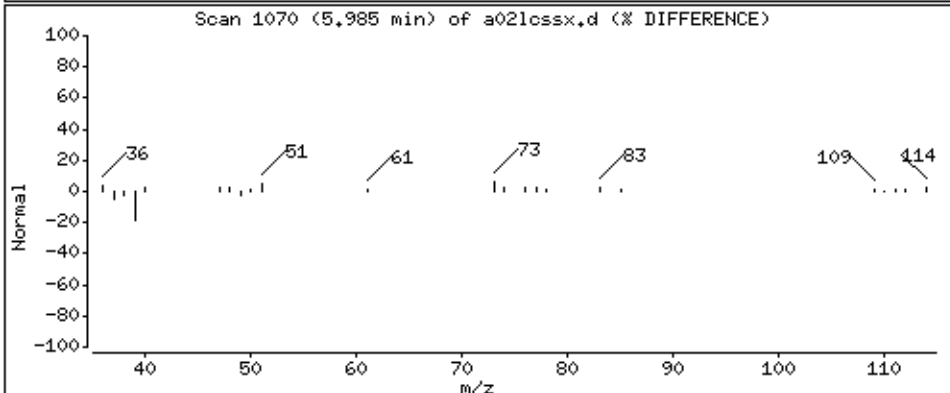
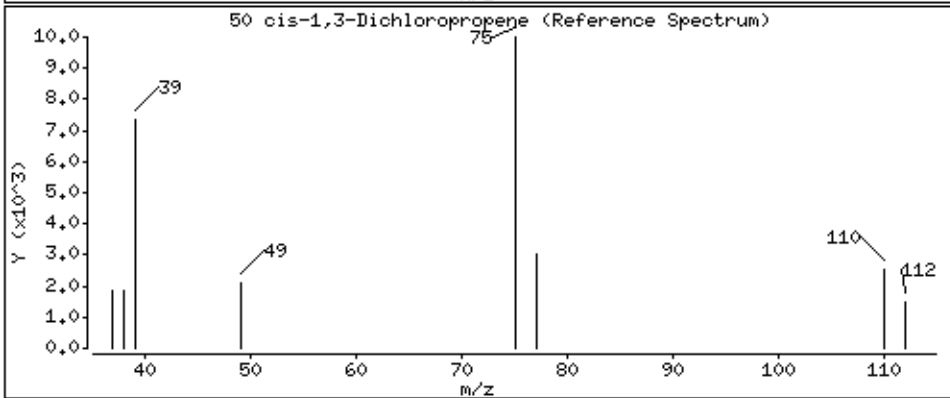
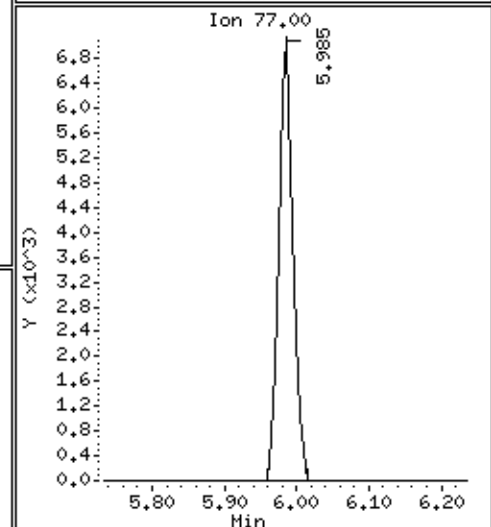
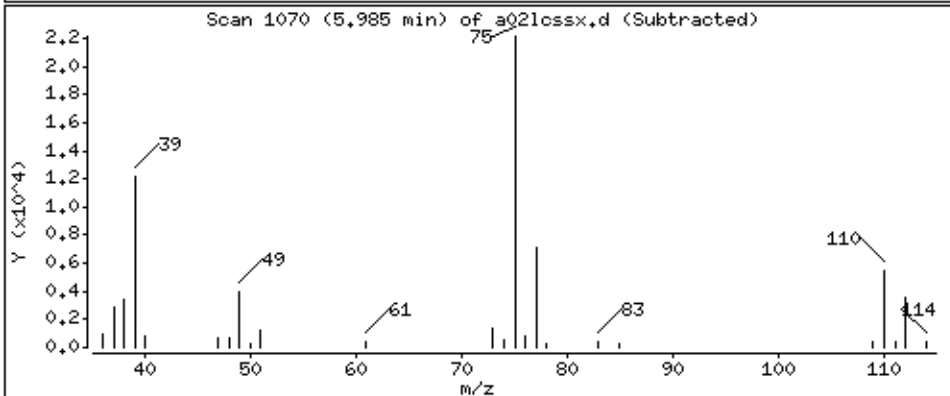
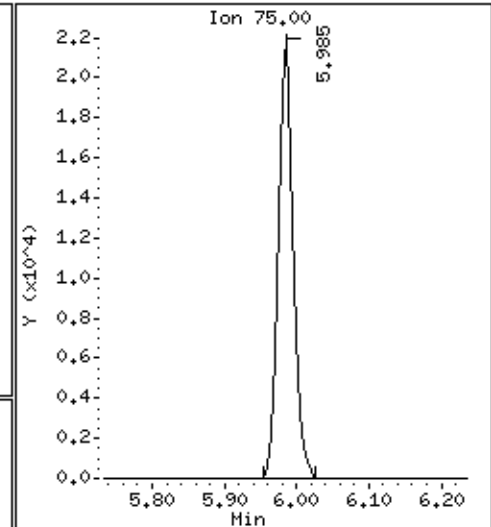
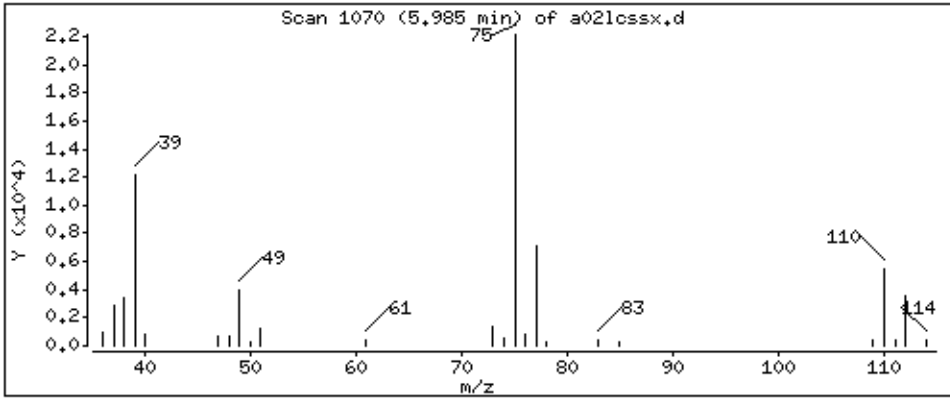
Column phase: DB-624

Column diameter: 0,18

50 cis-1,3-Dichloropropene

Concentration: 39,0 ppb

Review Code:



Date : 02-JUL-2014 10:36

Client ID: MBLCS

Instrument: 50mw3a.i

Sample Info: 1122045,71089;5

Operator: jlz

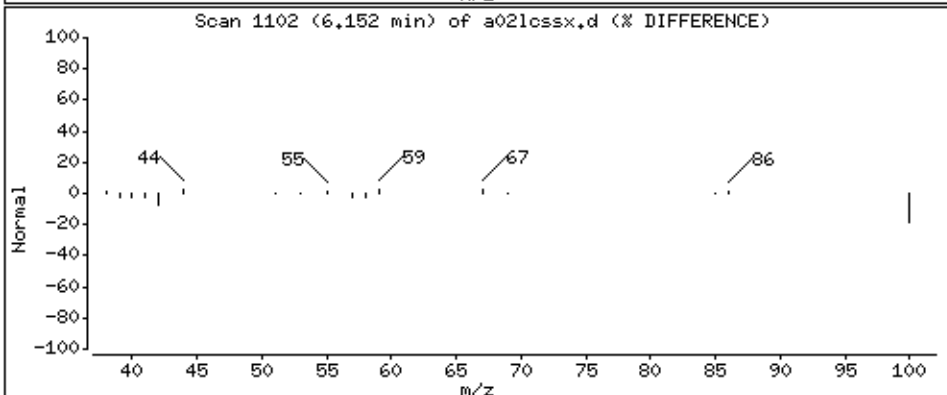
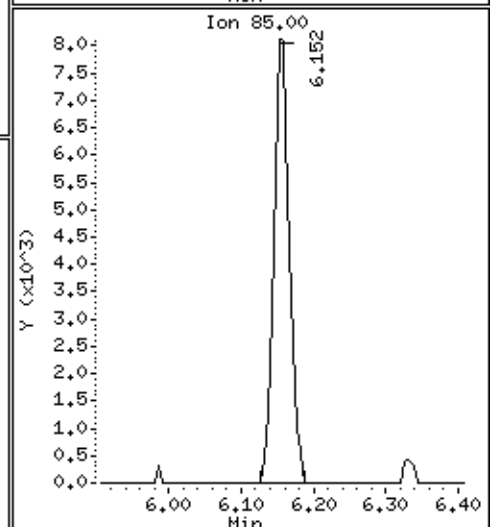
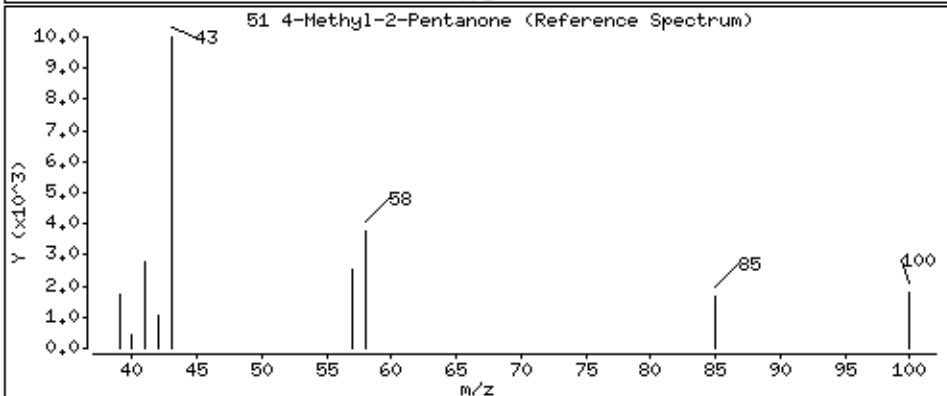
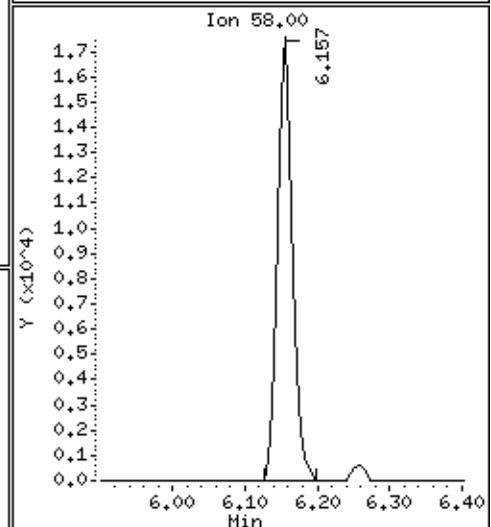
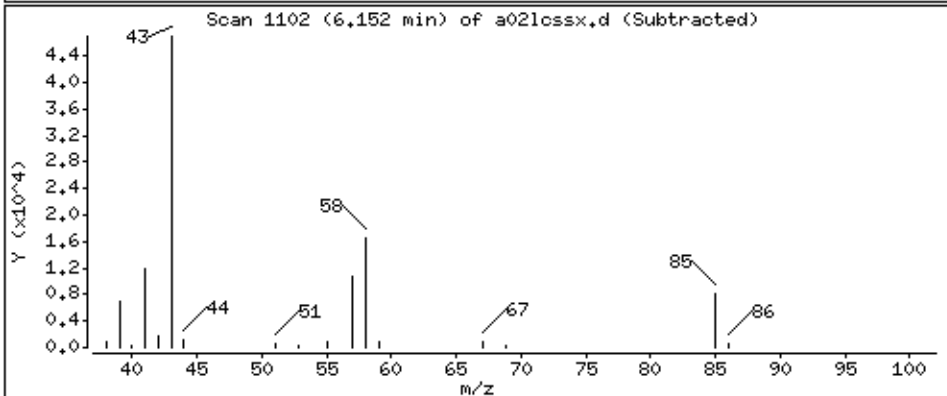
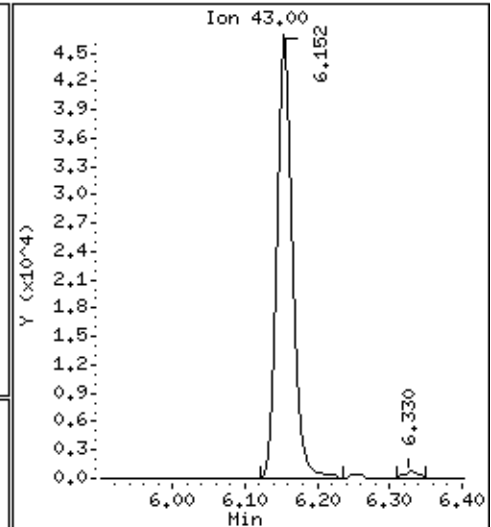
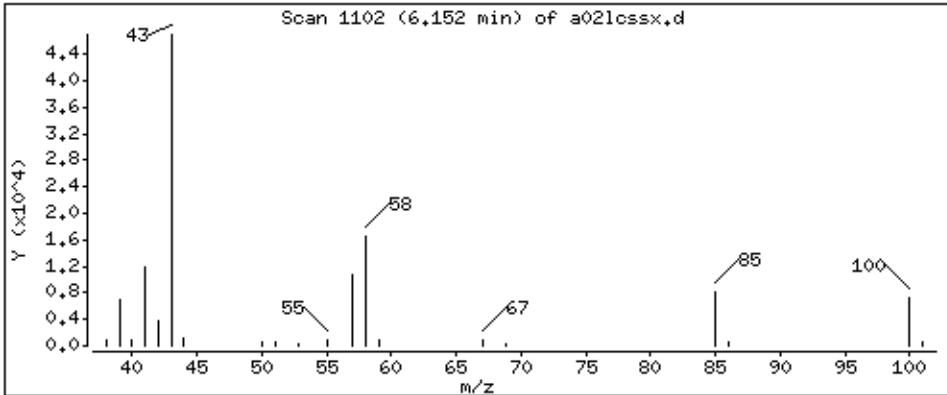
Column phase: DB-624

Column diameter: 0,18

51 4-Methyl-2-Pentanone

Concentration: 214 ppb

Review Code:



Date : 02-JUL-2014 10:36

Client ID: MBLCS

Instrument: 50mw3a.i

Sample Info: 1122045,71089;5

Operator: jlz

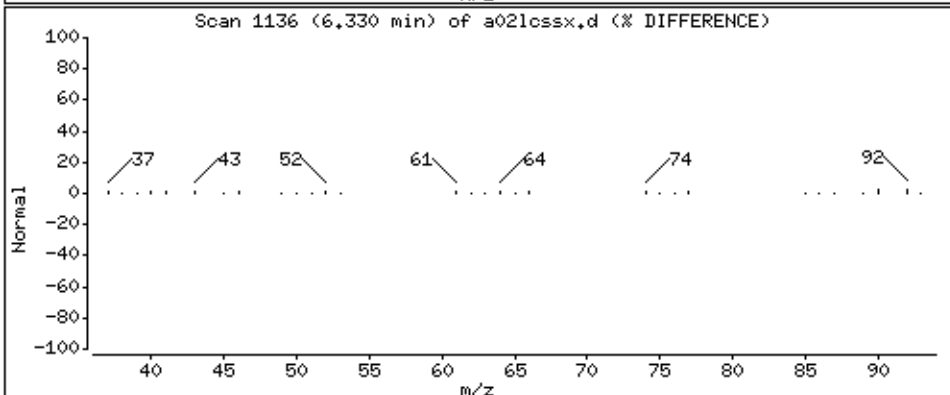
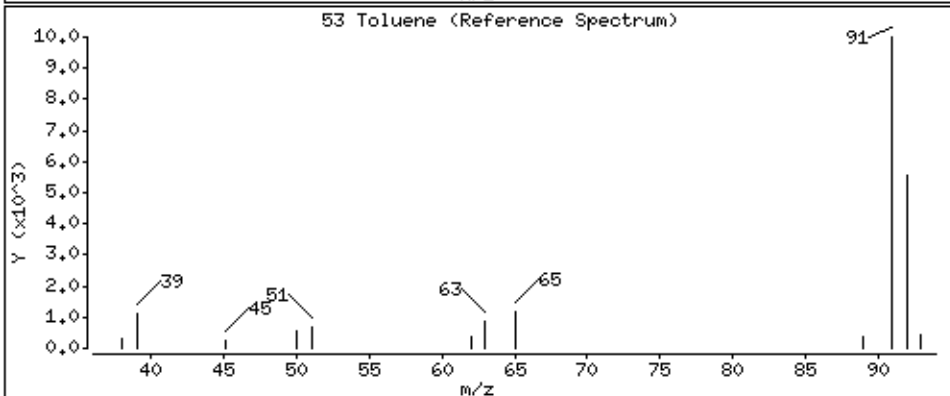
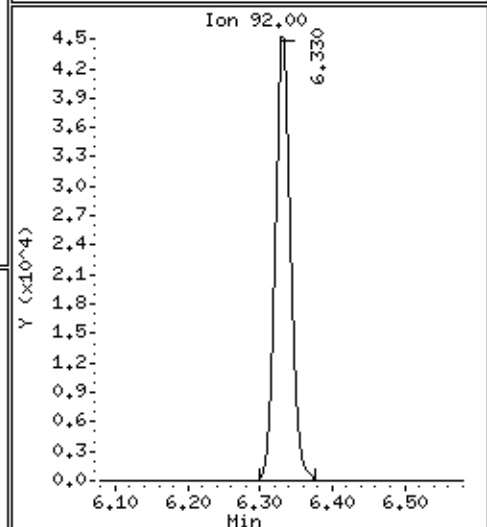
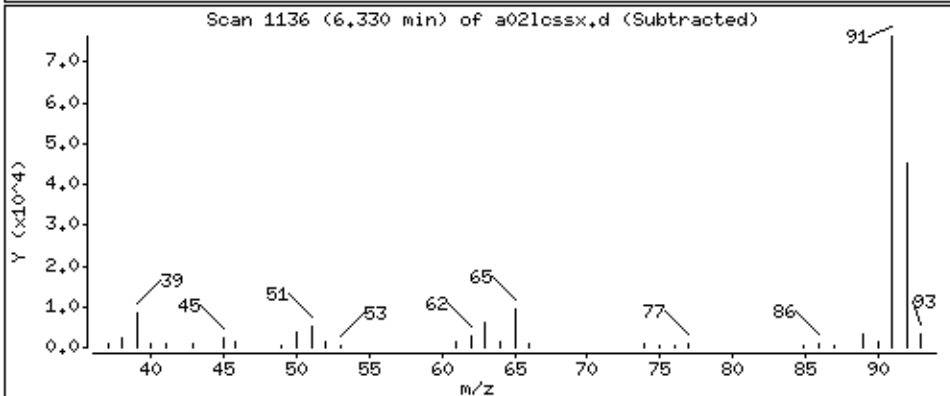
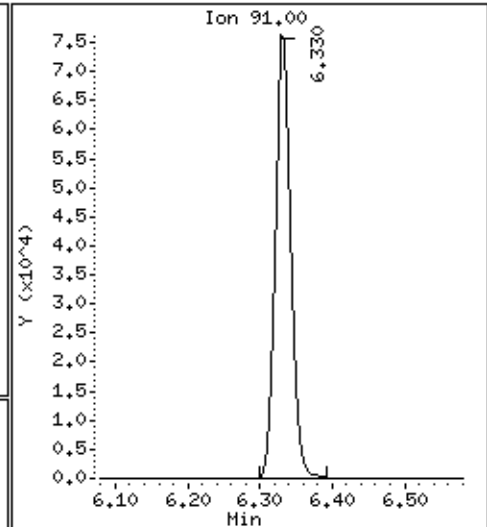
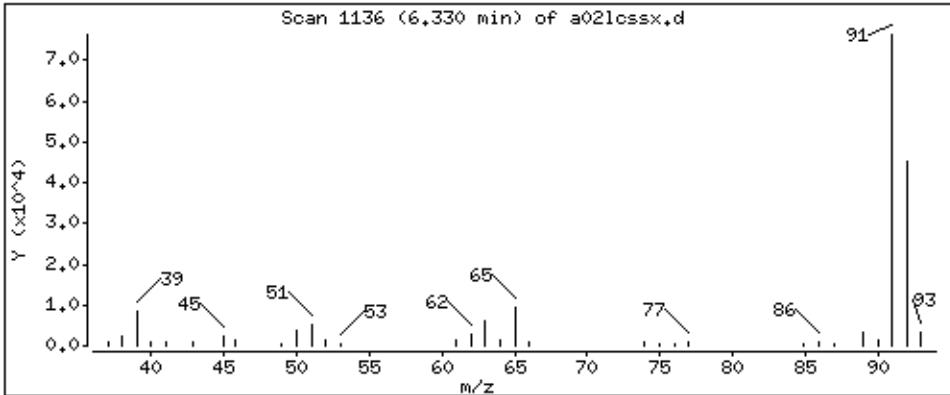
Column phase: DB-624

Column diameter: 0,18

53 Toluene

Concentration: 41.1 ppb

Review Code:



Date : 02-JUL-2014 10:36

Client ID: MBLCS

Instrument: 50mv3a.i

Sample Info: 1122045,71089;5

Operator: jlz

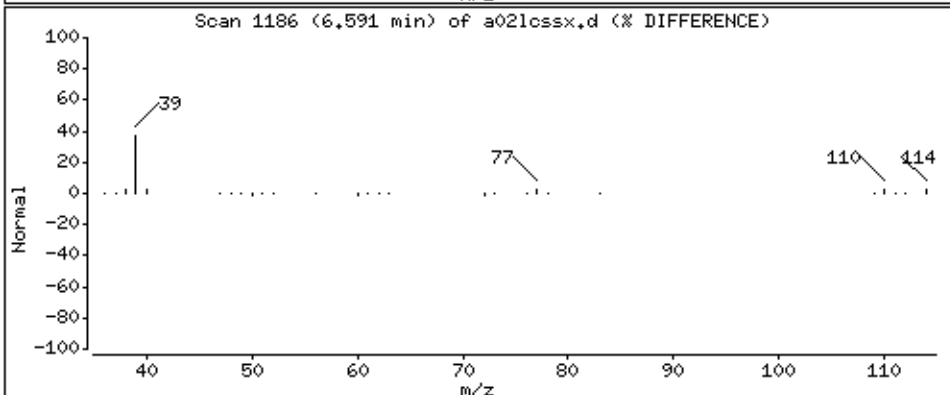
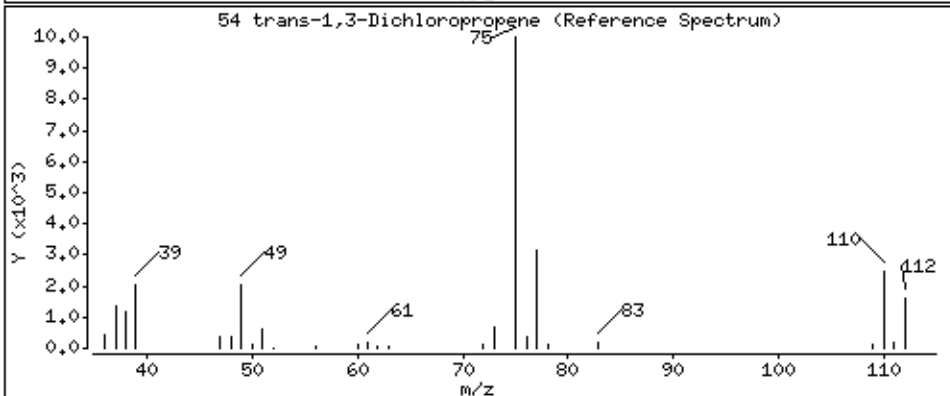
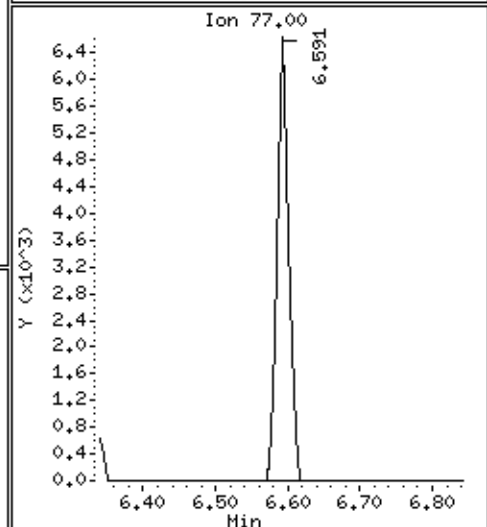
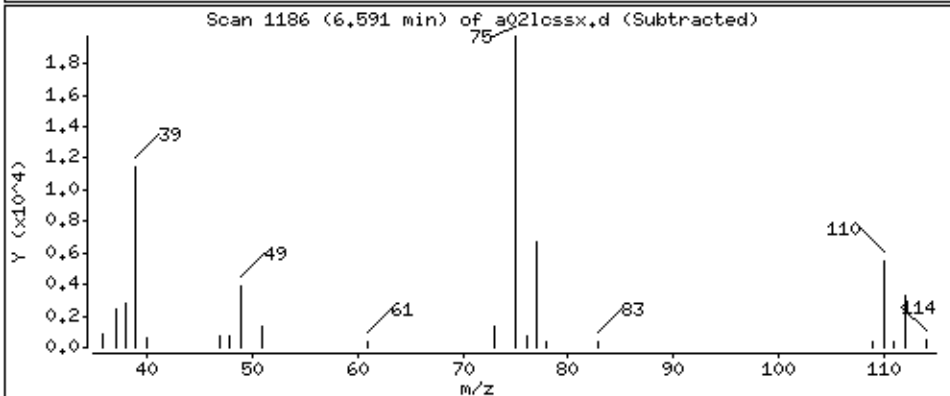
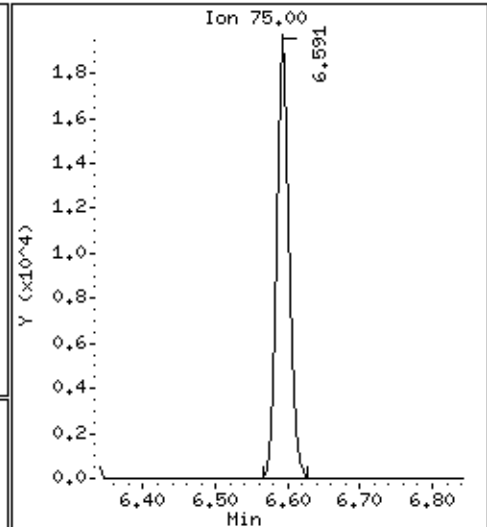
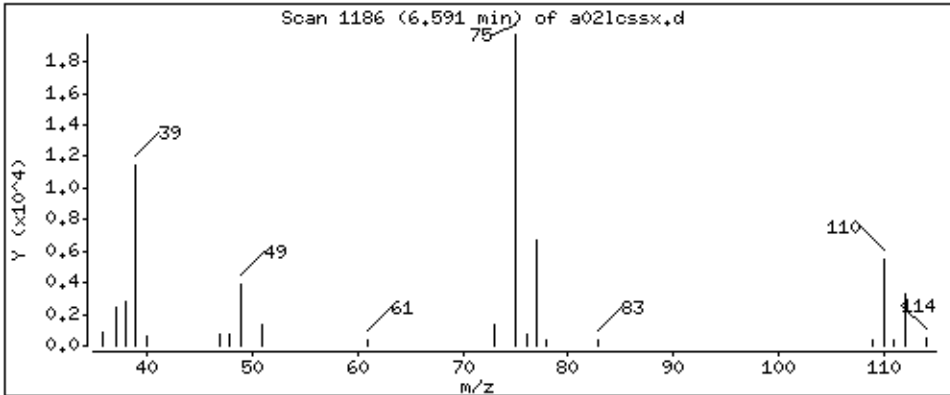
Column phase: DB-624

Column diameter: 0,18

54 trans-1,3-Dichloropropene

Concentration: 39,6 ppb

Review Code:



Date : 02-JUL-2014 10:36

Client ID: MBLCS

Instrument: 50mv3a.i

Sample Info: 1122045,71089;5

Operator: jlz

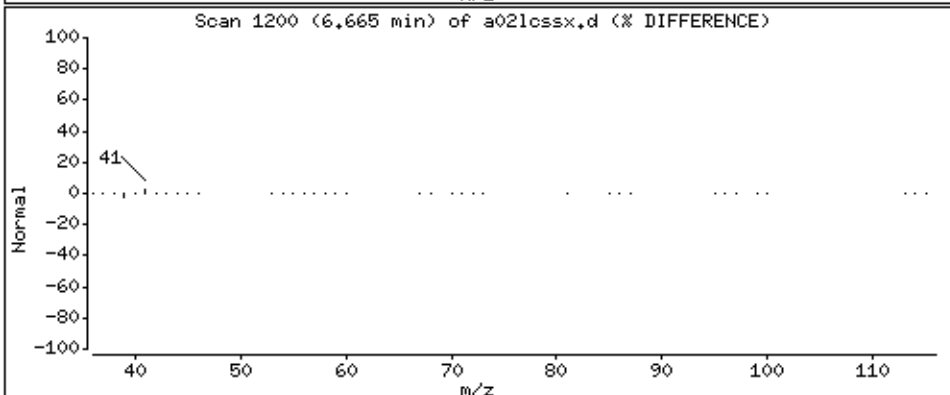
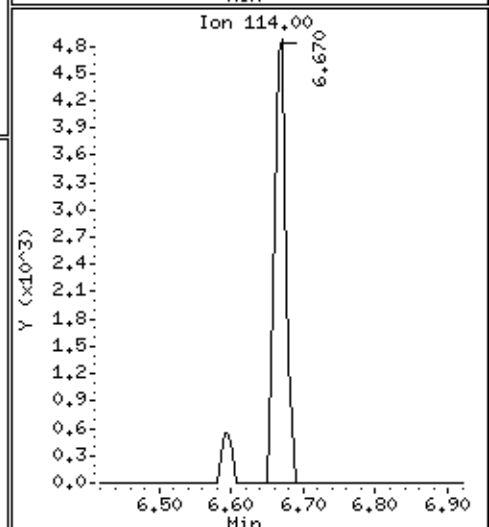
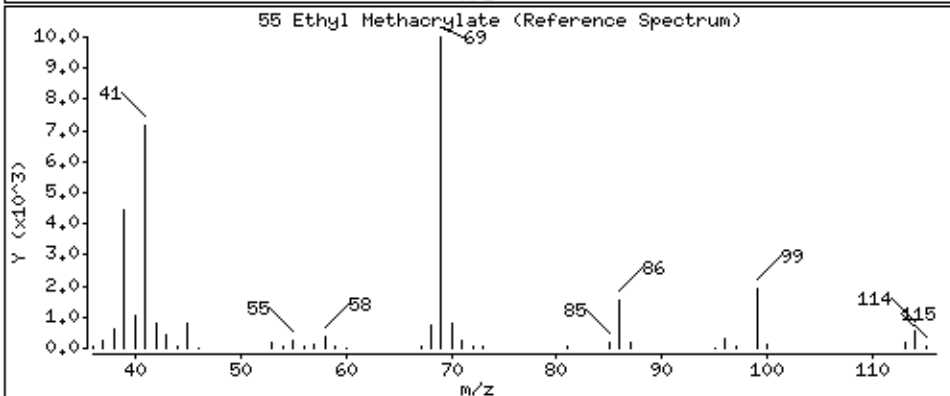
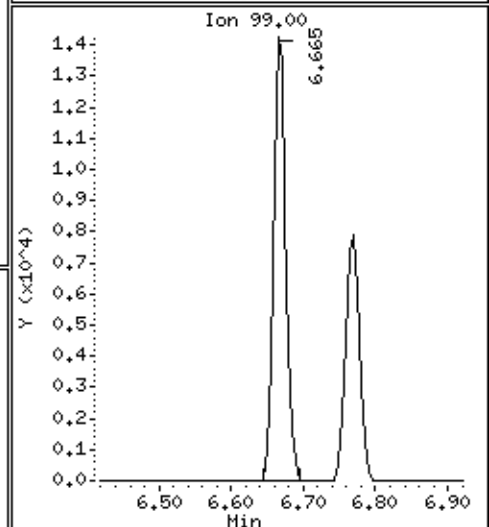
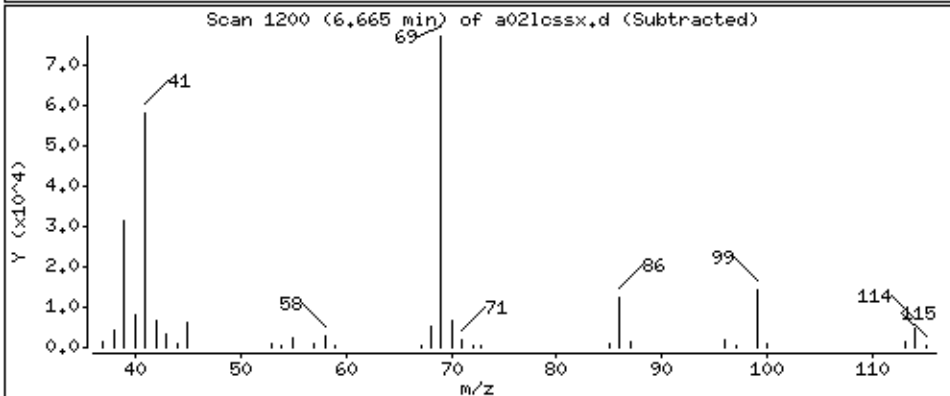
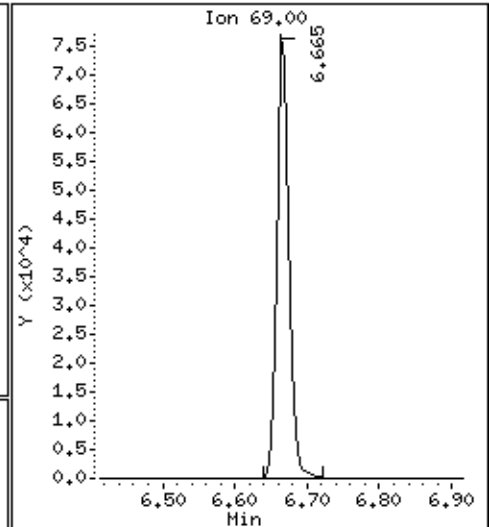
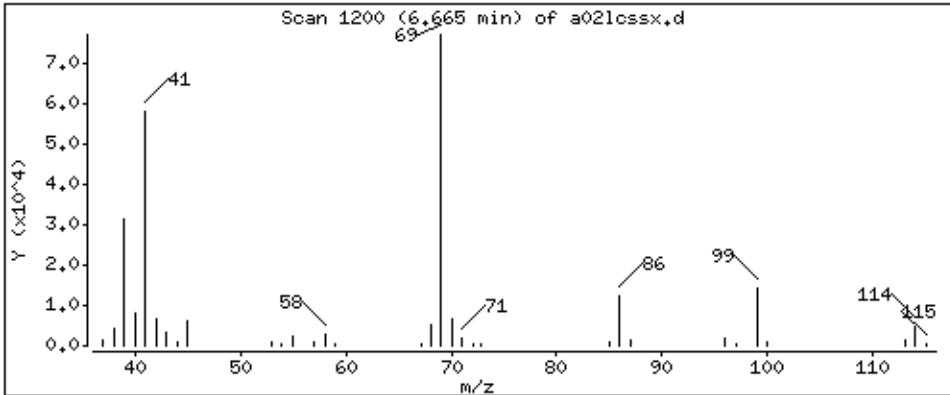
Column phase: DB-624

Column diameter: 0,18

55 Ethyl Methacrylate

Concentration: 157 ppb

Review Code:



Date : 02-JUL-2014 10:36

Client ID: MBLCS

Instrument: 50mw3a.i

Sample Info: 1122045,71089;5

Operator: jlz

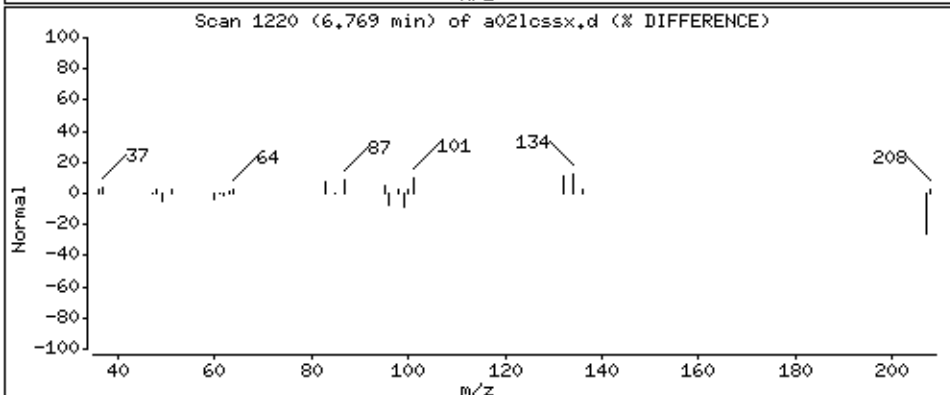
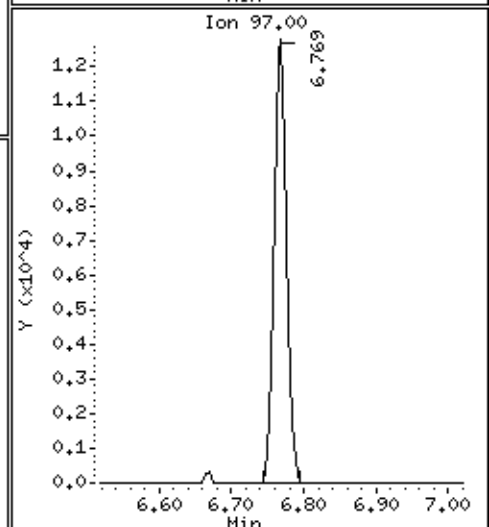
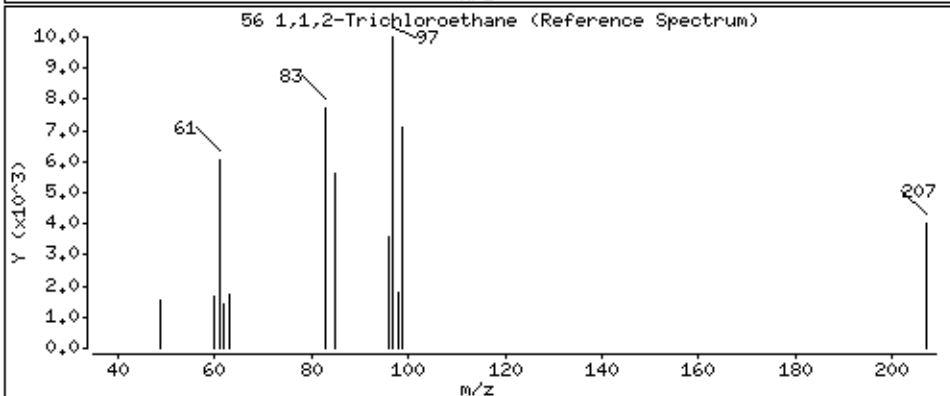
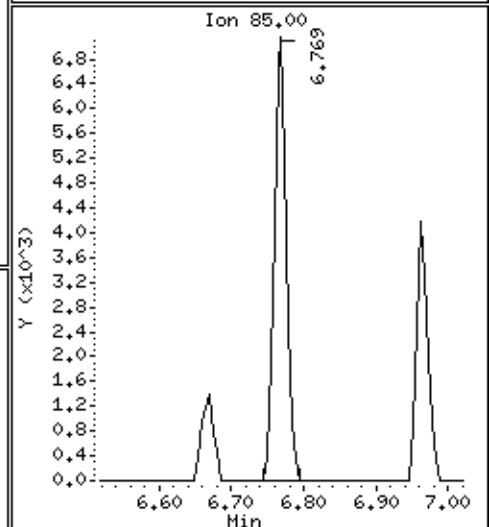
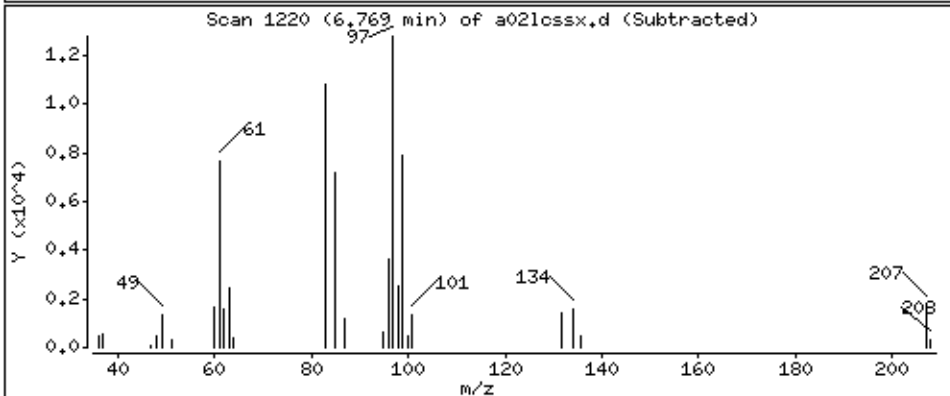
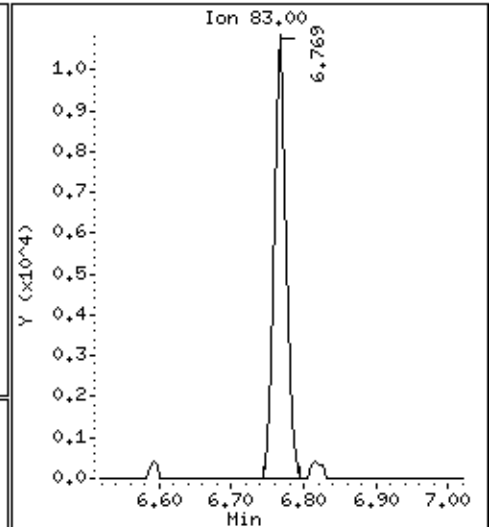
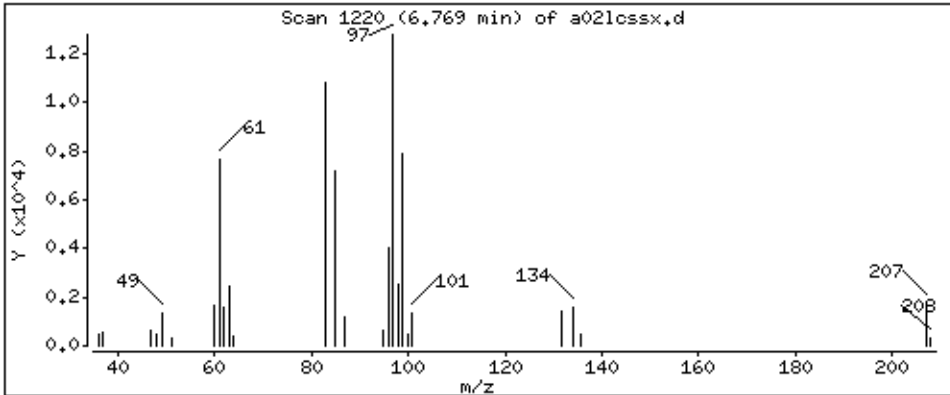
Column phase: DB-624

Column diameter: 0,18

56 1,1,2-Trichloroethane

Concentration: 41.6 ppb

Review Code:



Date : 02-JUL-2014 10:36

Client ID: MBLCS

Instrument: 50mw3a.i

Sample Info: 1122045,71089;5

Operator: jlz

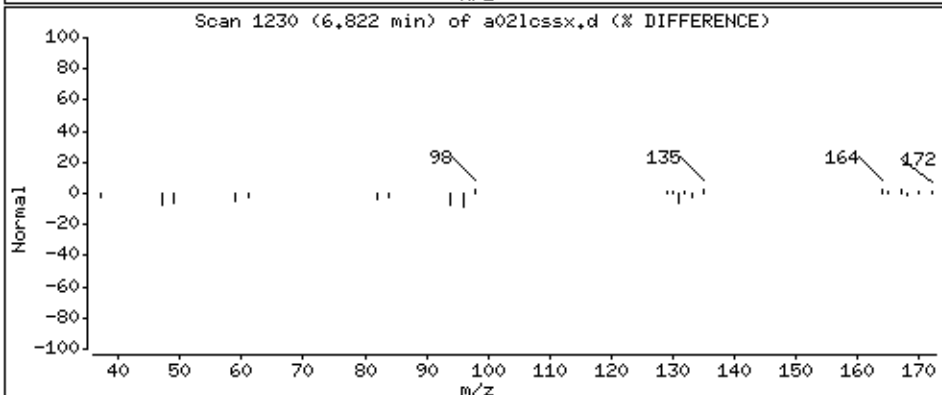
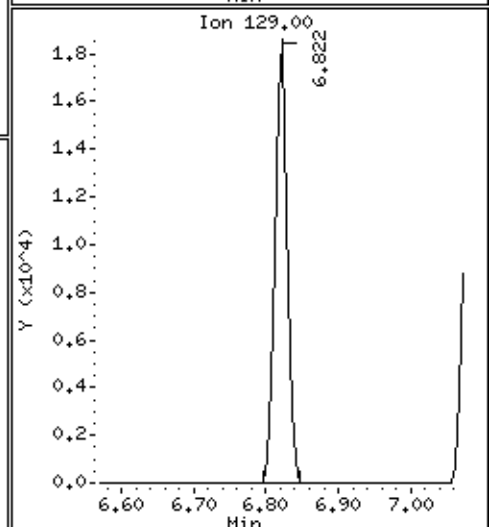
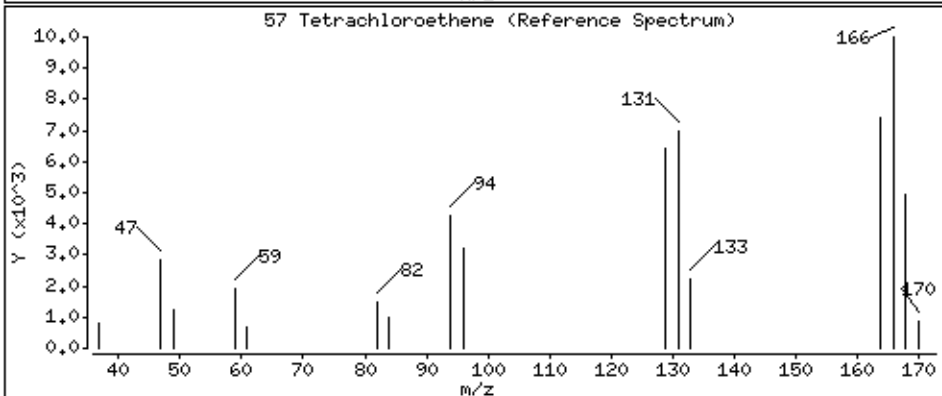
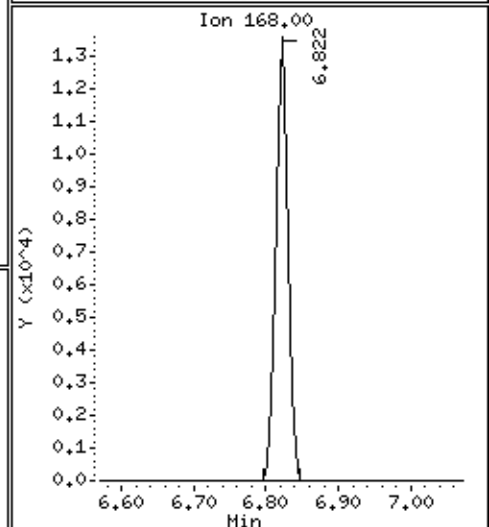
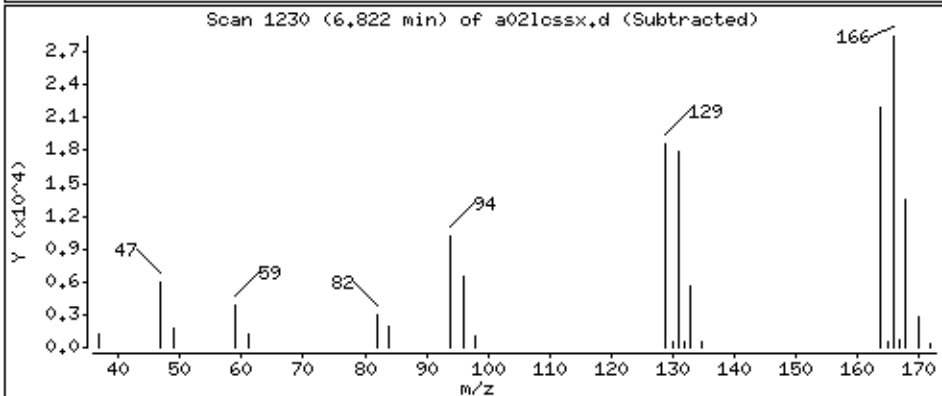
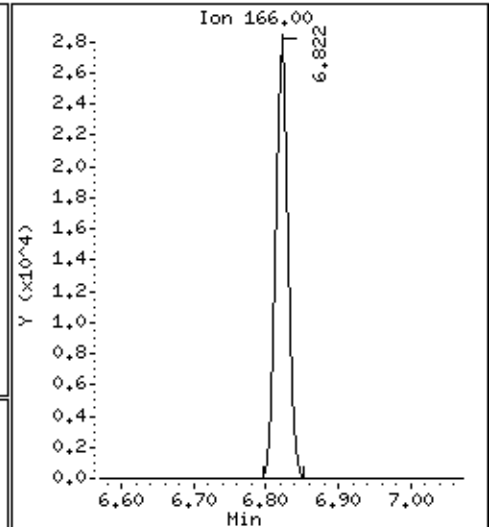
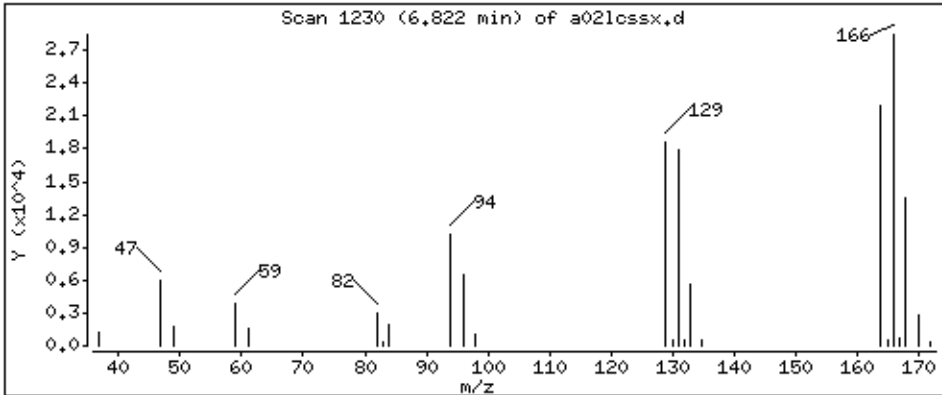
Column phase: DB-624

Column diameter: 0,18

57 Tetrachloroethene

Concentration: 43,5 ppb

Review Code:



Date : 02-JUL-2014 10:36

Client ID: MBLCS

Instrument: 50mw3a.i

Sample Info: 1122045,71089;5

Operator: jlz

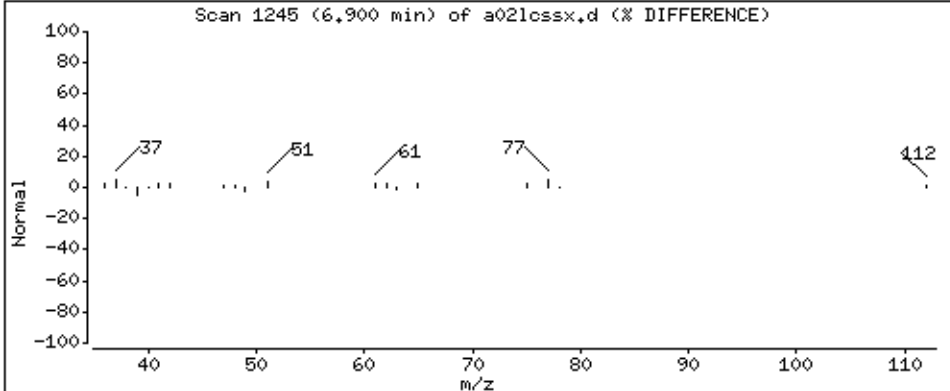
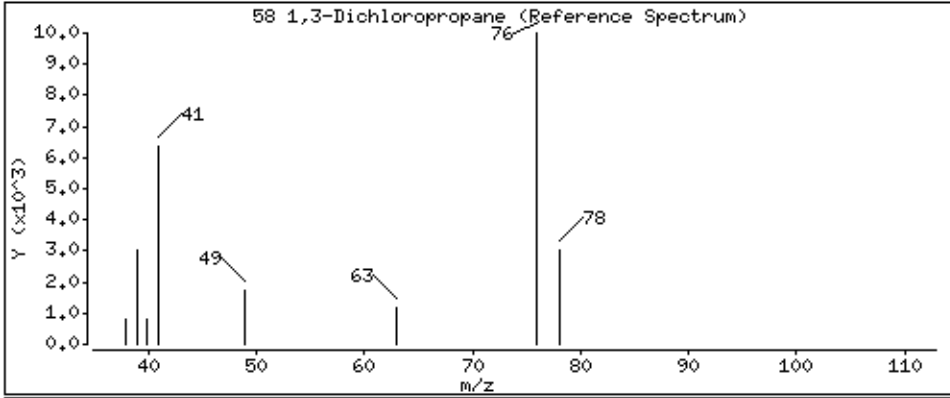
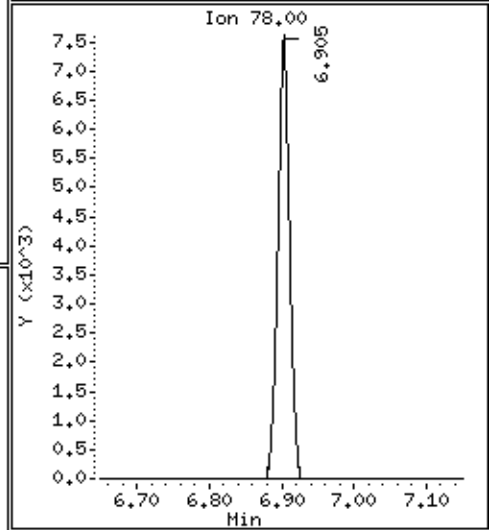
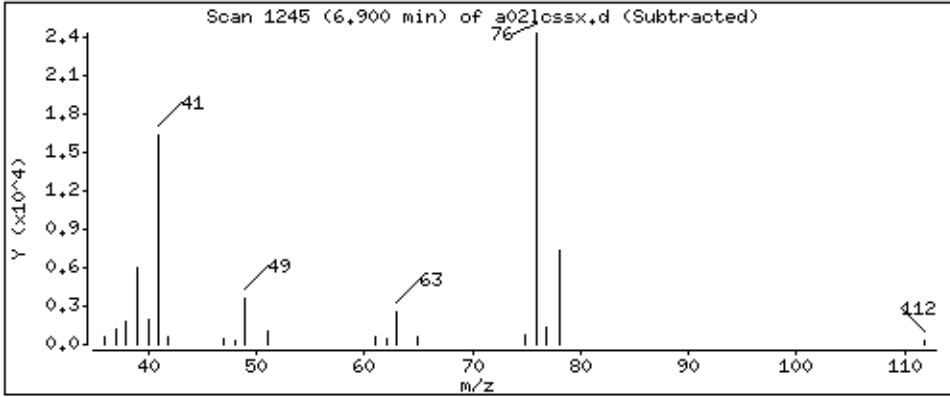
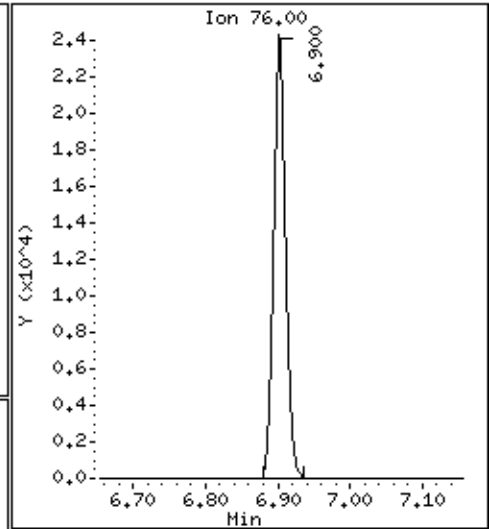
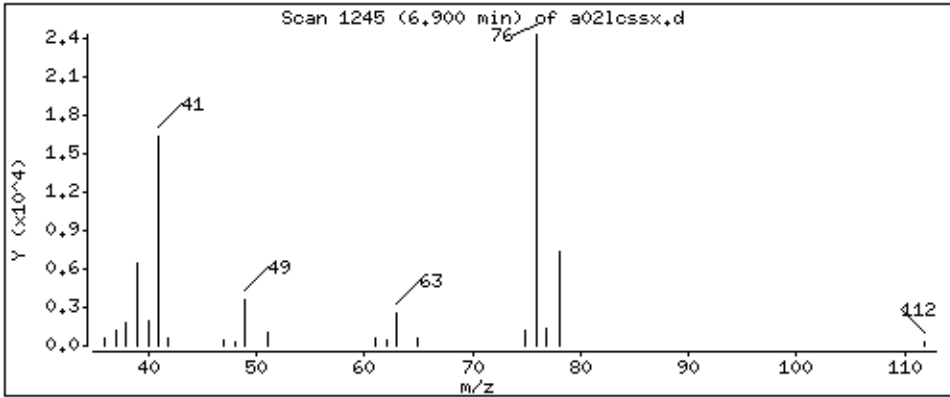
Column phase: DB-624

Column diameter: 0,18

58 1,3-Dichloropropane

Concentration: 41.0 ppb

Review Code:



Date : 02-JUL-2014 10:36

Client ID: MBLCS

Instrument: 50mv3a.i

Sample Info: 1122045,71089;5

Operator: jlz

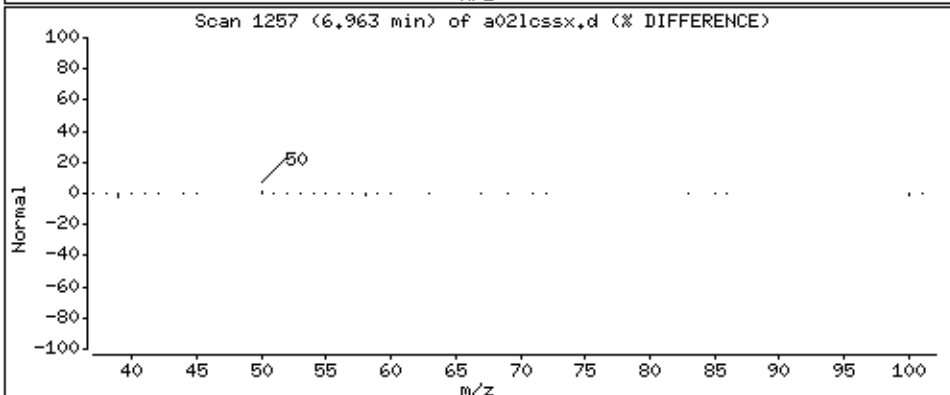
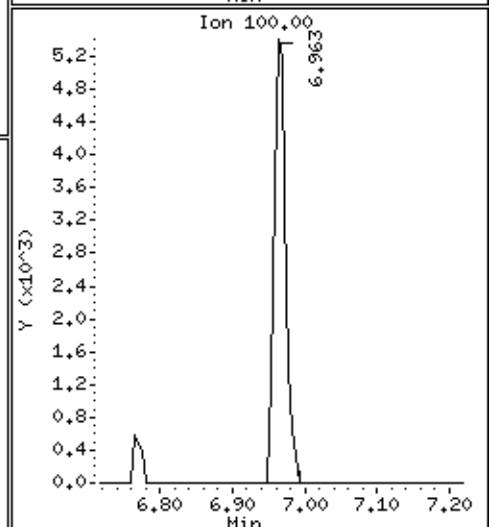
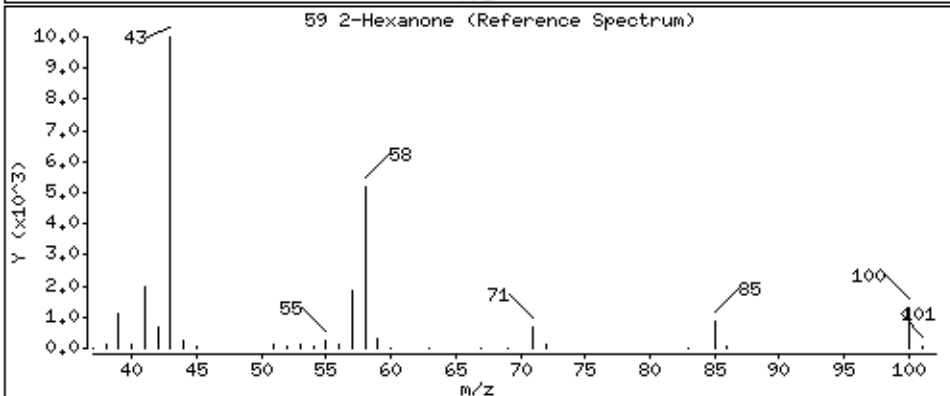
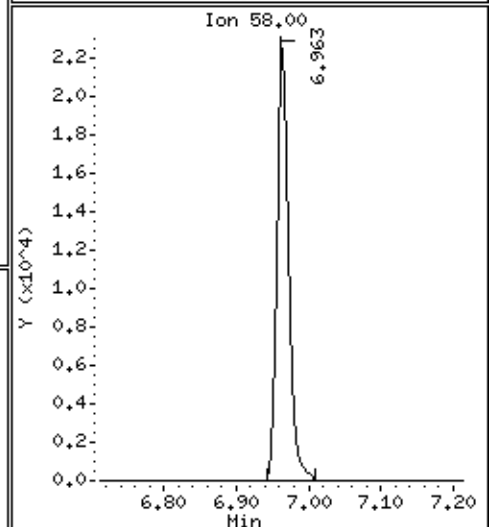
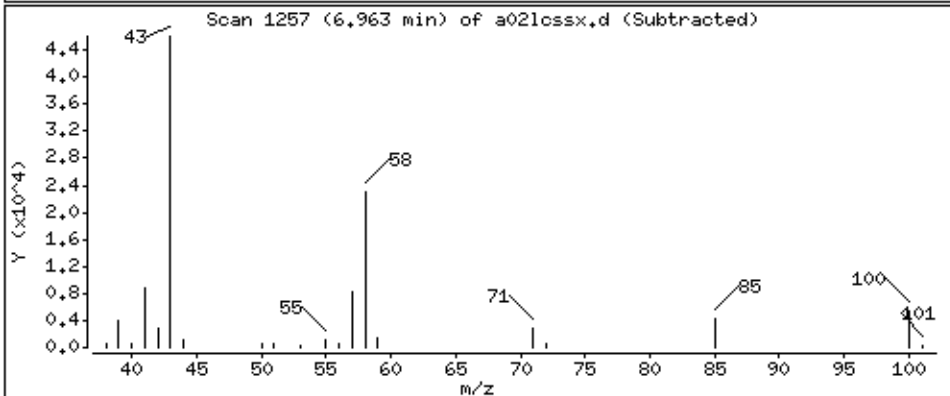
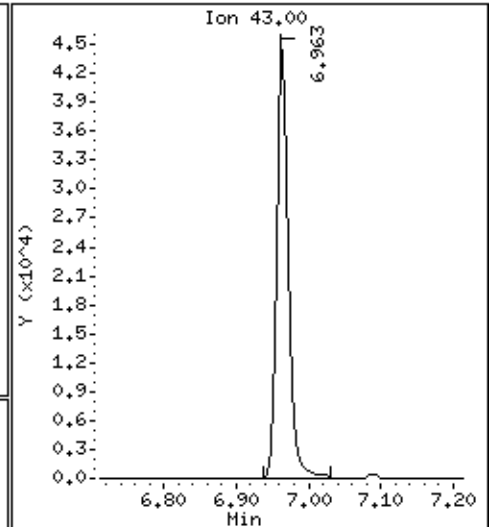
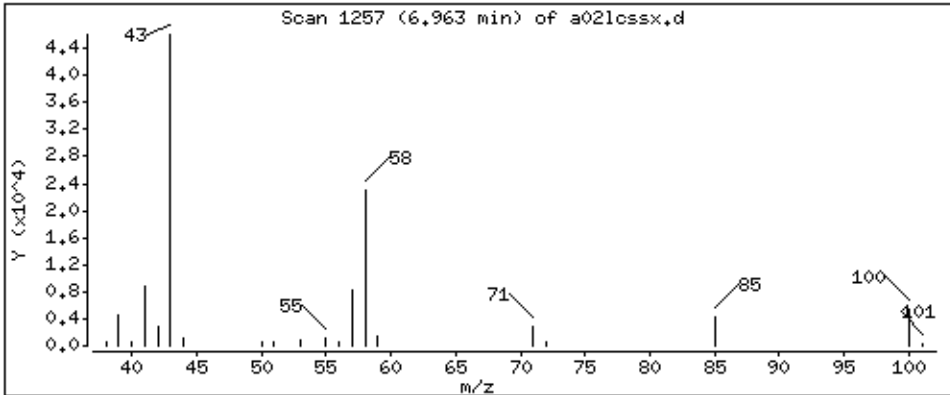
Column phase: DB-624

Column diameter: 0,18

59 2-Hexanone

Concentration: 229 ppb

Review Code:



Date : 02-JUL-2014 10:36

Client ID: MBLCS

Instrument: 50mv3a.i

Sample Info: 1122045,71089;5

Operator: jlz

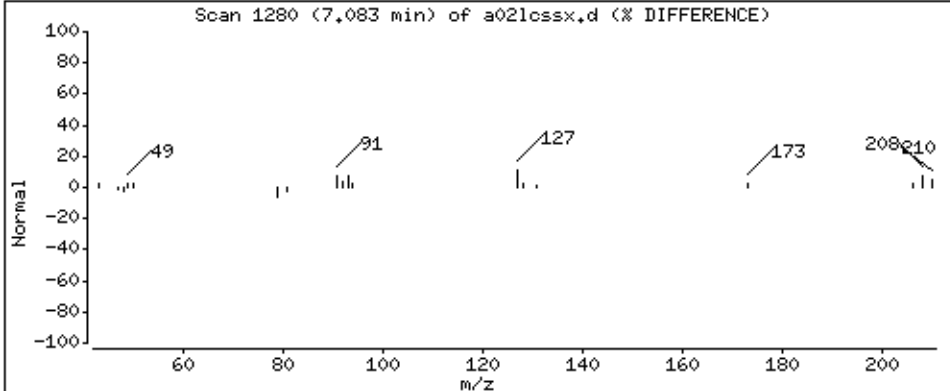
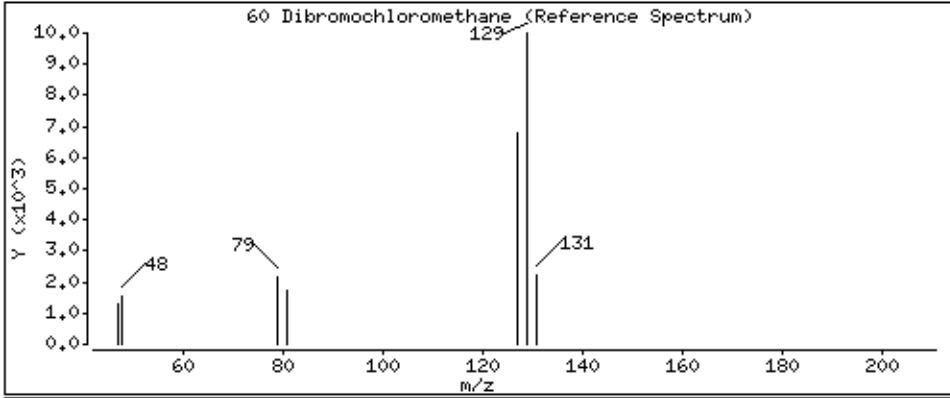
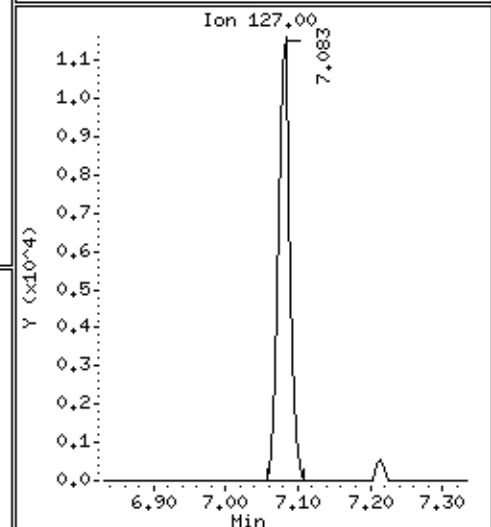
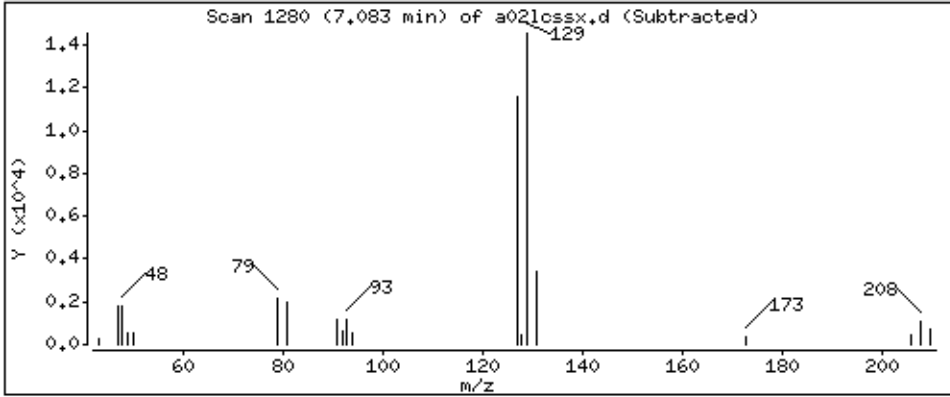
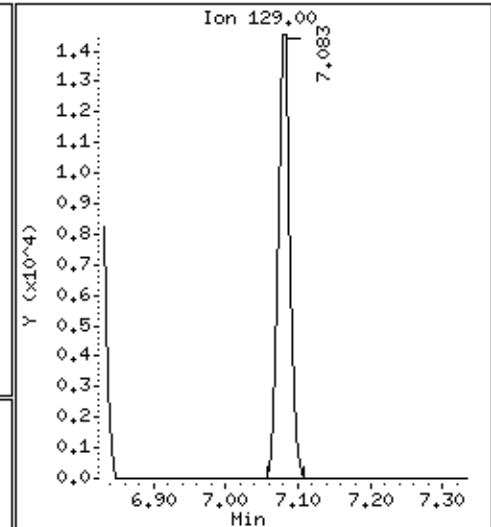
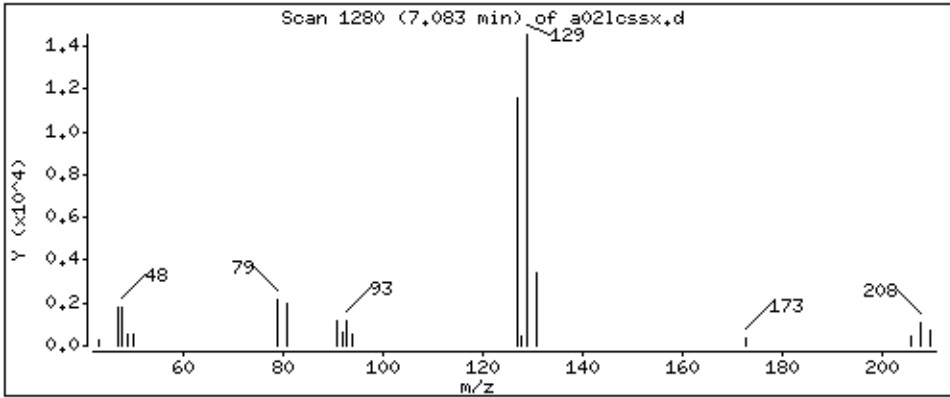
Column phase: DB-624

Column diameter: 0,18

60 Dibromochloromethane

Concentration: 37,0 ppb

Review Code:



Date : 02-JUL-2014 10:36

Client ID: MBLCS

Instrument: 50mv3a.i

Sample Info: 1122045,71089;5

Operator: jlz

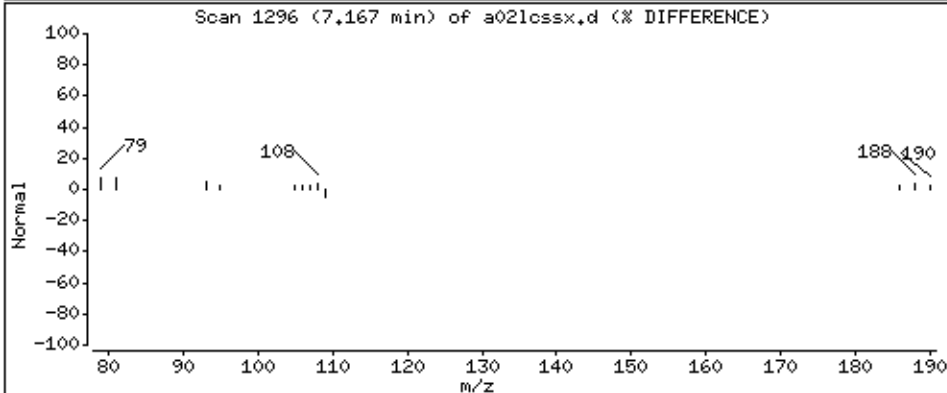
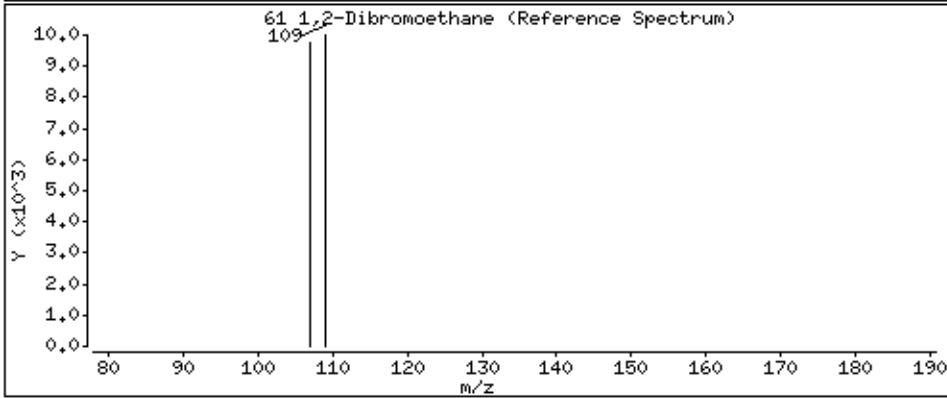
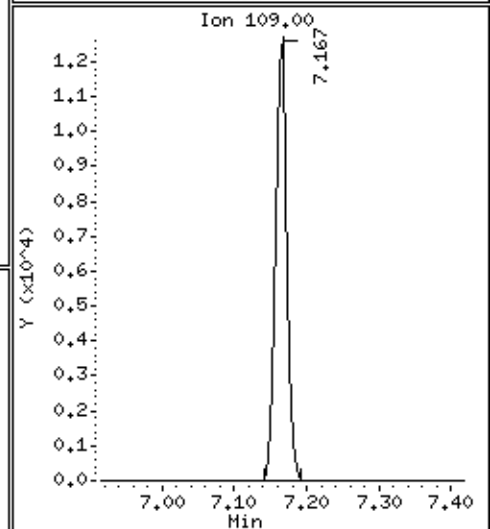
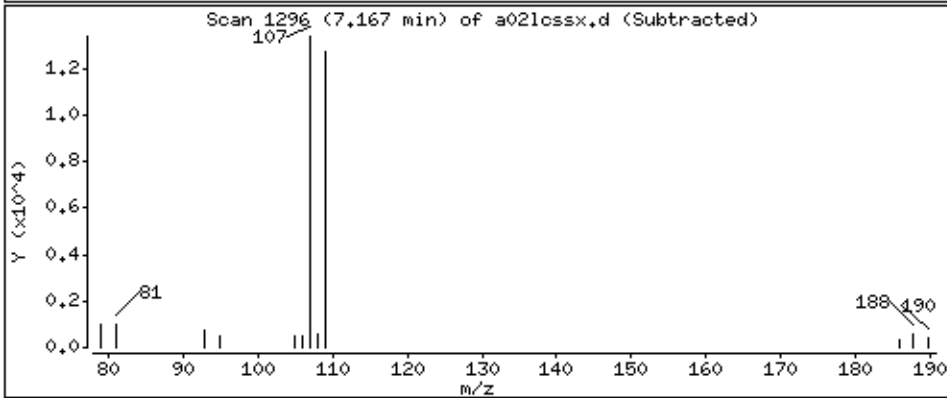
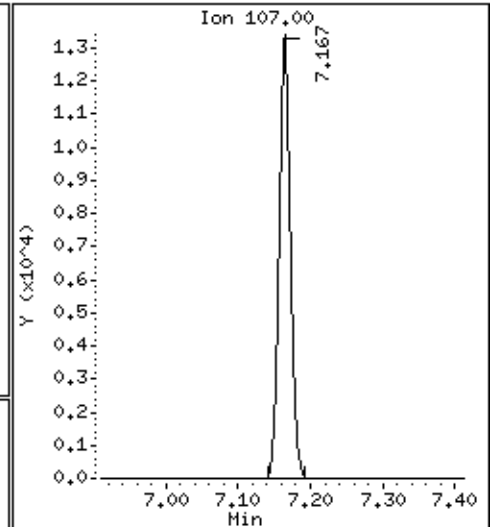
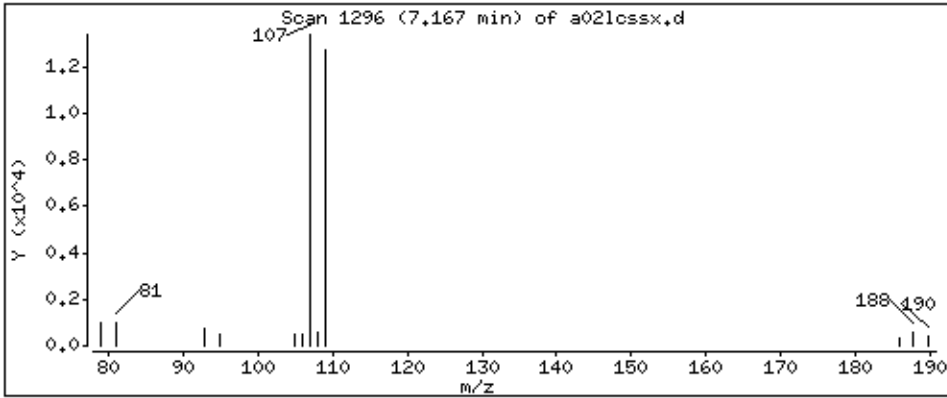
Column phase: DB-624

Column diameter: 0,18

61 1,2-Dibromoethane

Concentration: 45,7 ppb

Review Code:



Date : 02-JUL-2014 10:36

Client ID: MBLCS

Instrument: 50mv3a.i

Sample Info: 1122045,71089;5

Operator: jlz

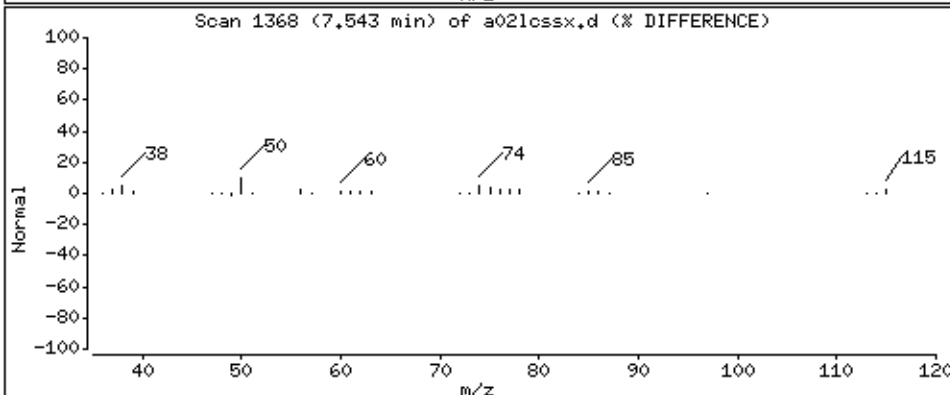
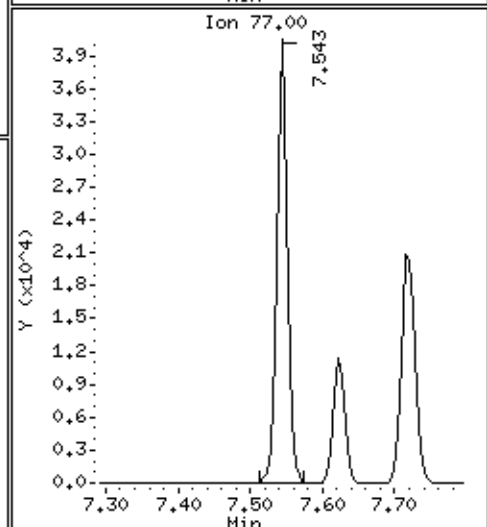
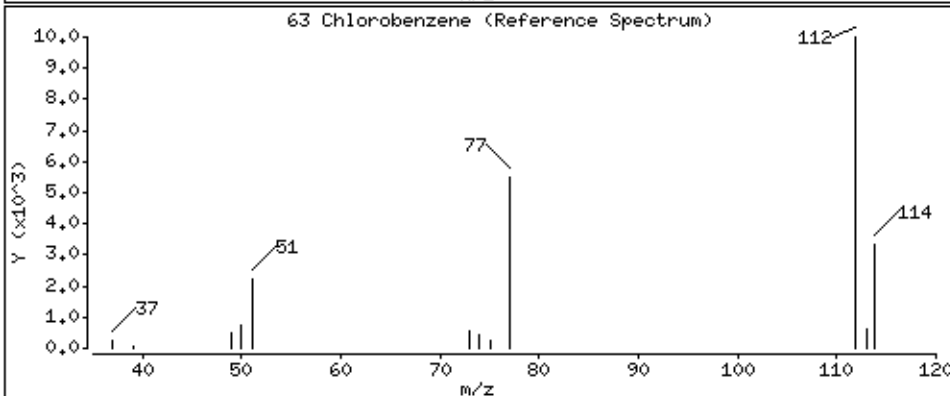
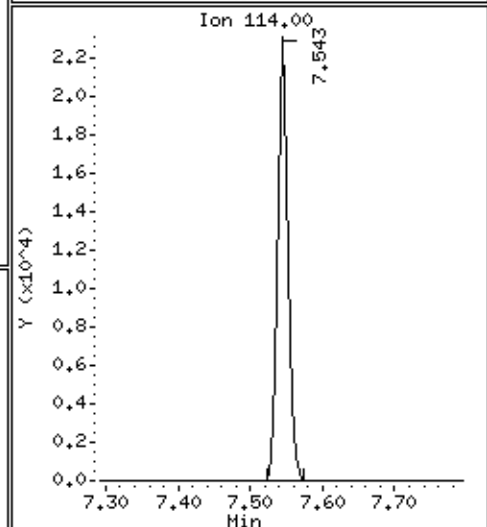
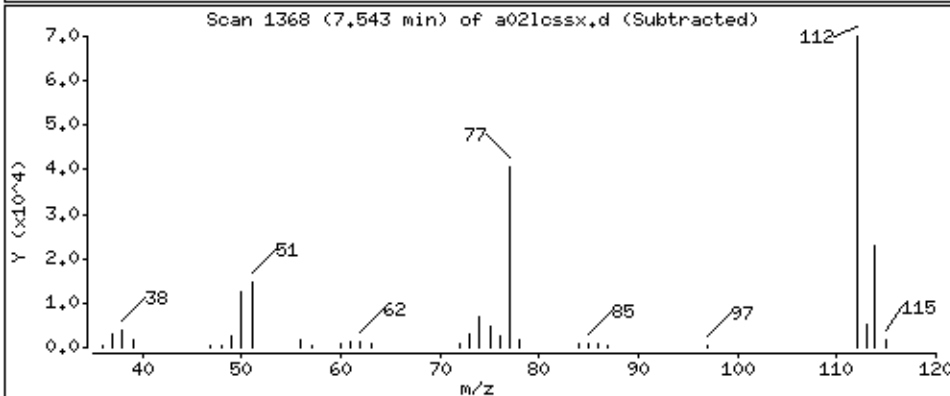
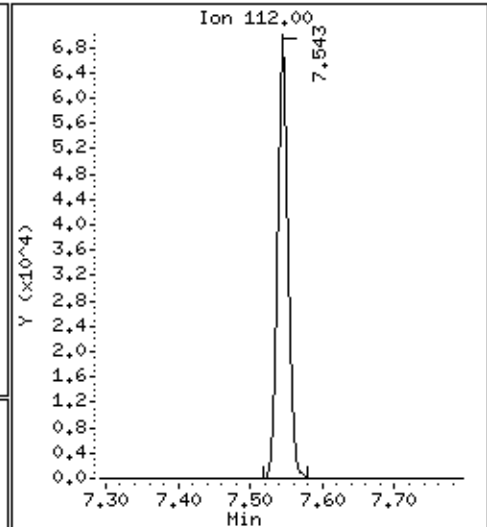
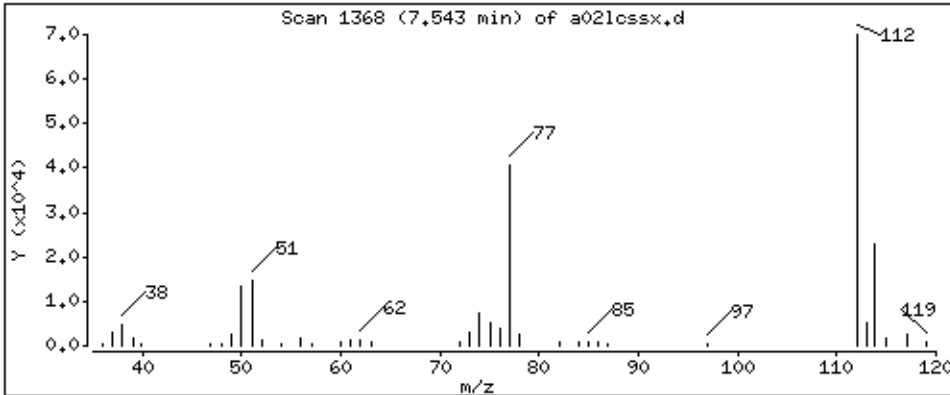
Column phase: DB-624

Column diameter: 0,18

63 Chlorobenzene

Concentration: 42.1 ppb

Review Code:



Date : 02-JUL-2014 10:36

Client ID: MBLCS

Instrument: 50mw3a.i

Sample Info: 1122045,71089;5

Operator: jlz

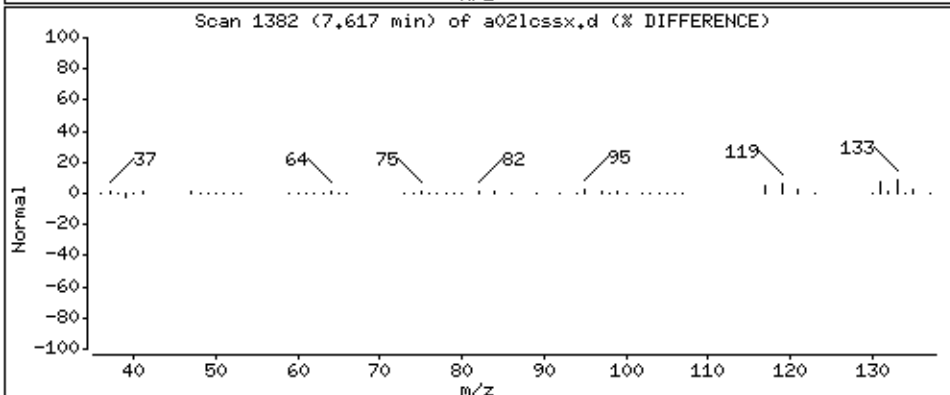
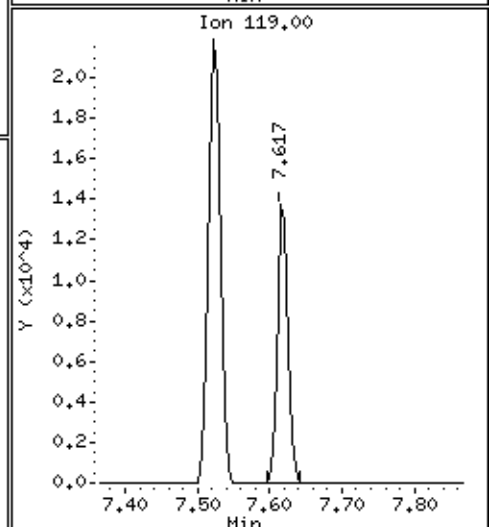
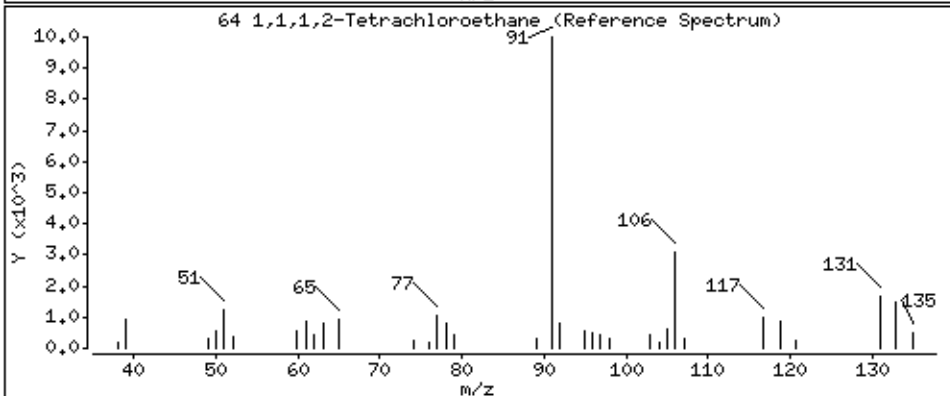
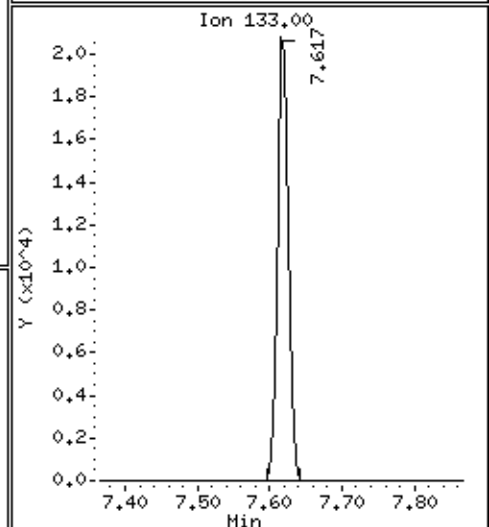
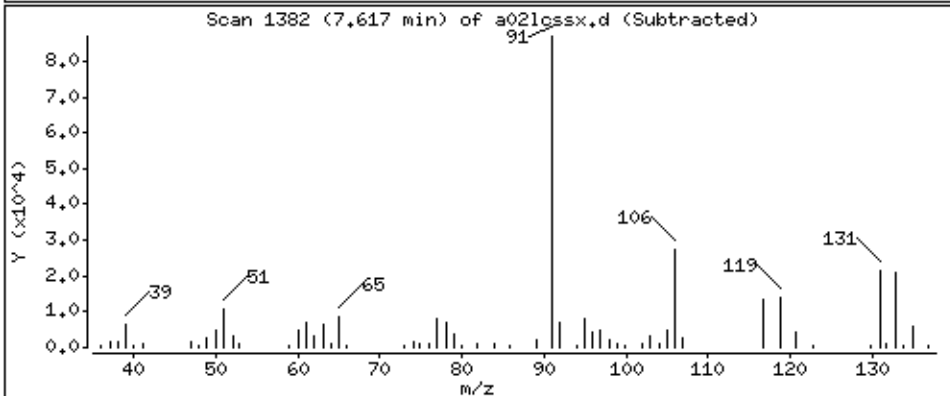
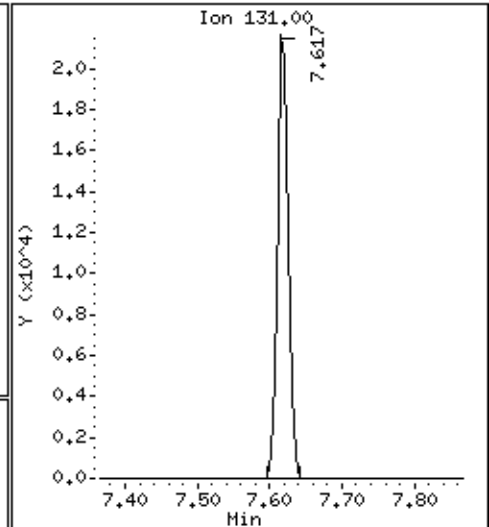
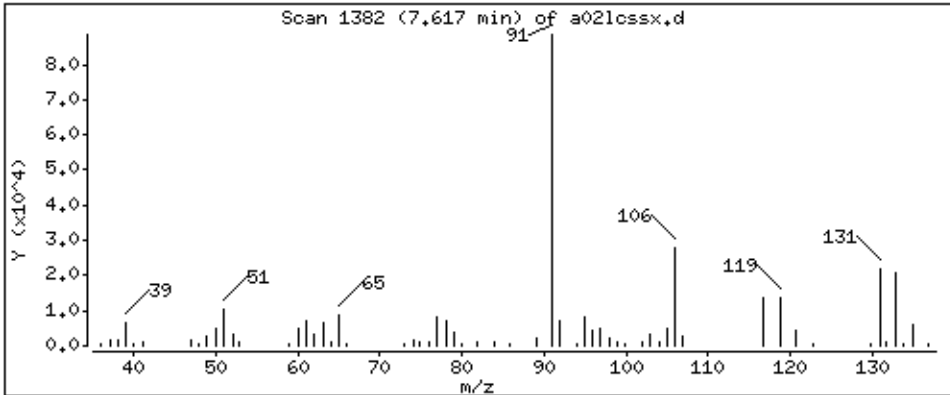
Column phase: DB-624

Column diameter: 0,18

64 1,1,1,2-Tetrachloroethane

Concentration: 44,4 ppb

Review Code:



Date : 02-JUL-2014 10:36

Client ID: MBLCS

Instrument: 50mw3a.i

Sample Info: 1122045,71089;5

Operator: jlz

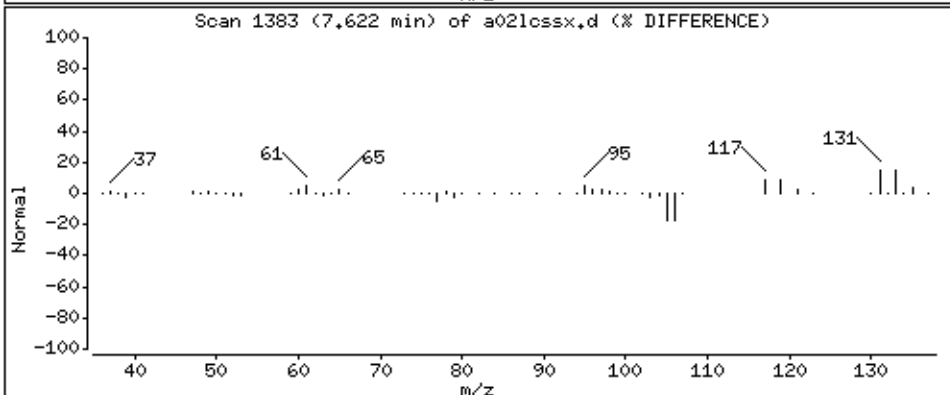
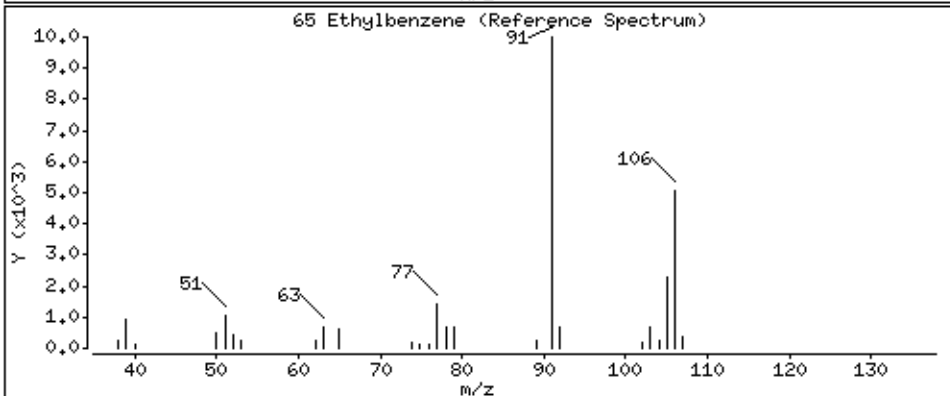
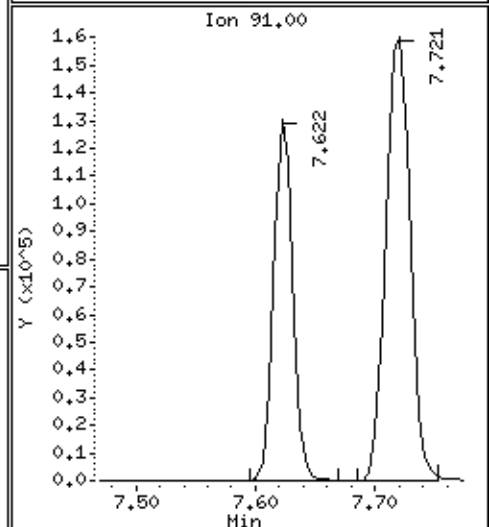
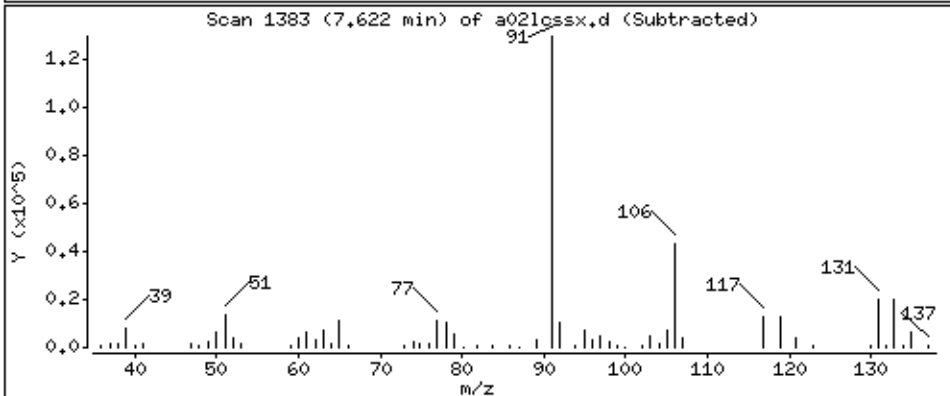
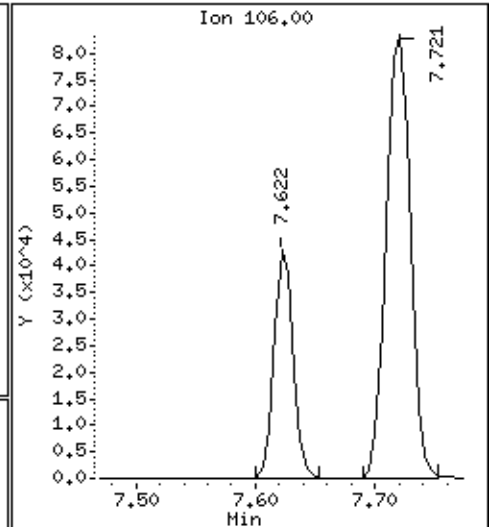
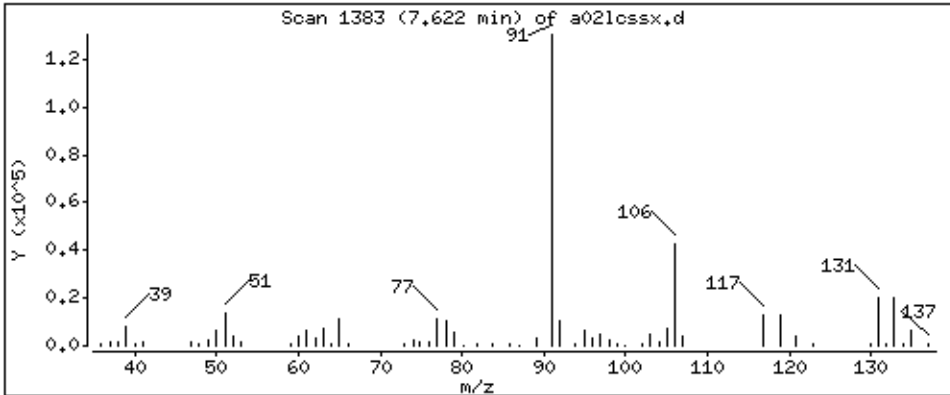
Column phase: DB-624

Column diameter: 0,18

65 Ethylbenzene

Concentration: 42.4 ppb

Review Code:



Date : 02-JUL-2014 10:36

Client ID: MBLCS

Instrument: 50mv3a.i

Sample Info: 1122045,71089;5

Operator: jlz

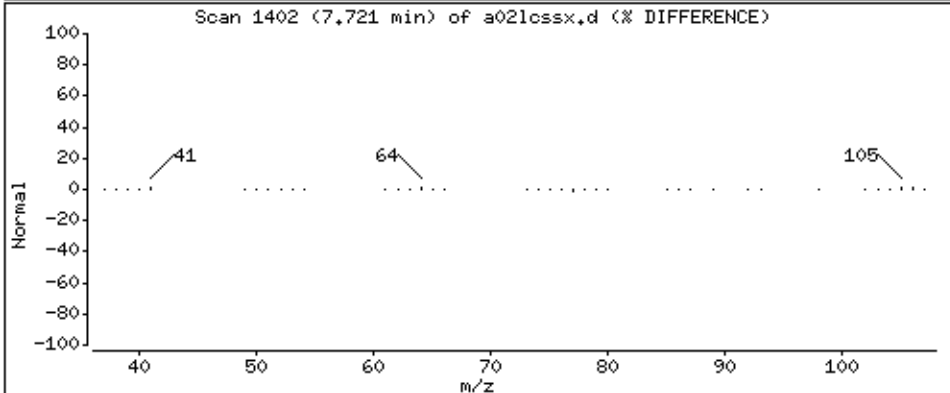
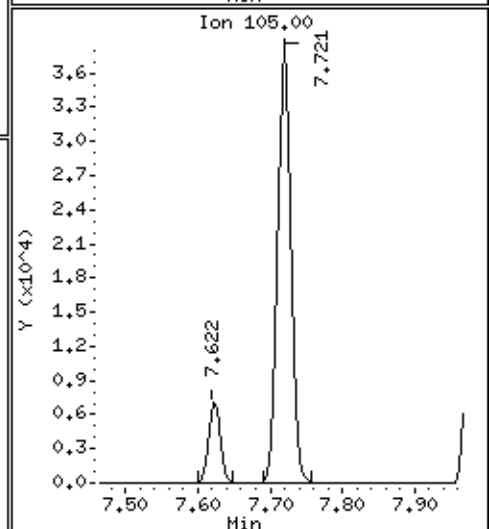
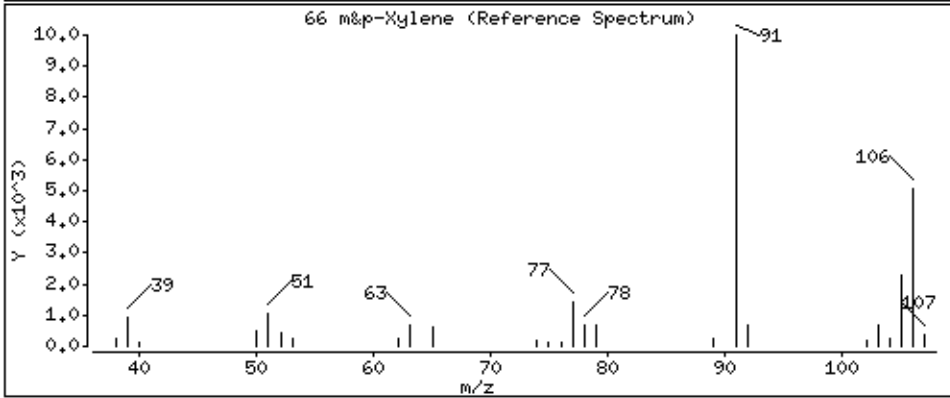
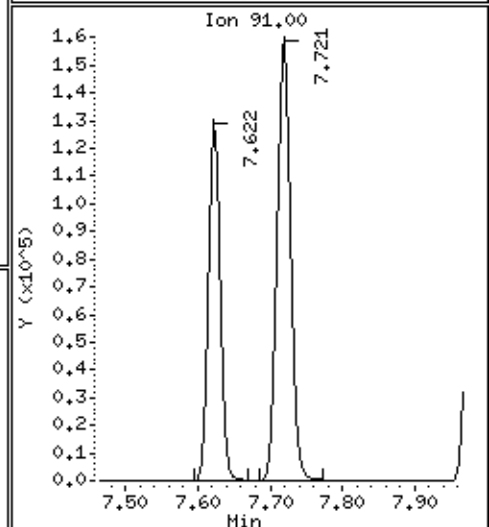
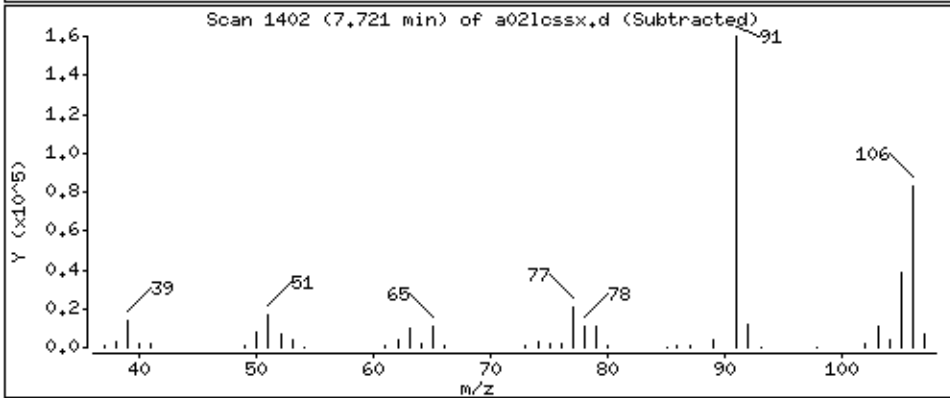
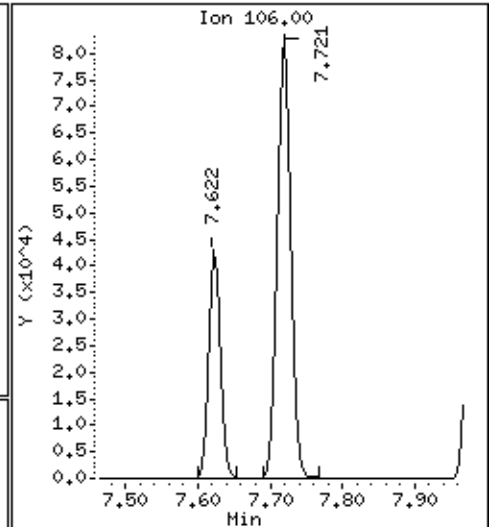
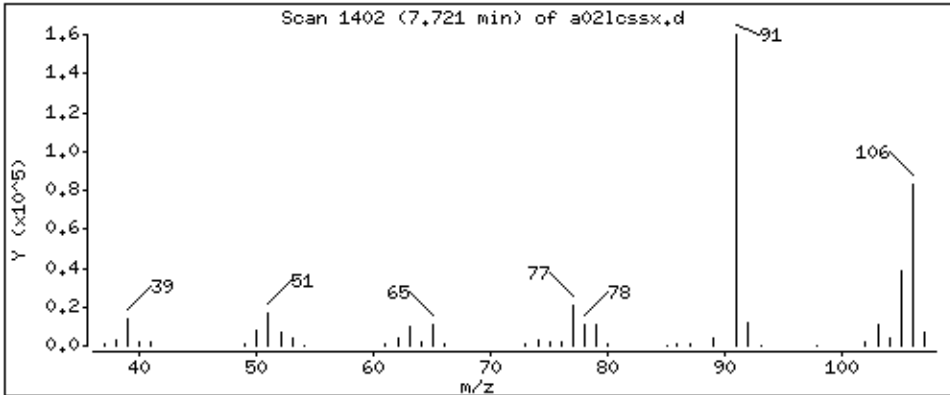
Column phase: DB-624

Column diameter: 0,18

66 m&p-Xylene

Concentration: 87.4 ppb

Review Code:



Date : 02-JUL-2014 10:36

Client ID: MBLCS

Instrument: 50mv3a.i

Sample Info: 1122045,71089;5

Operator: jlz

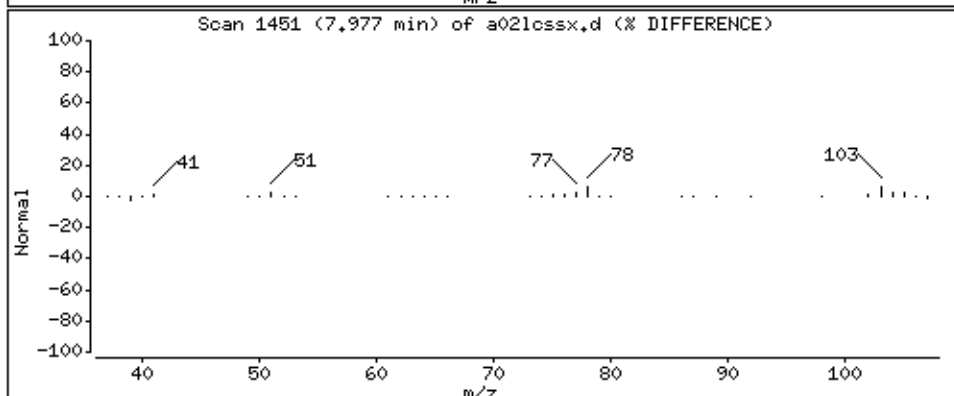
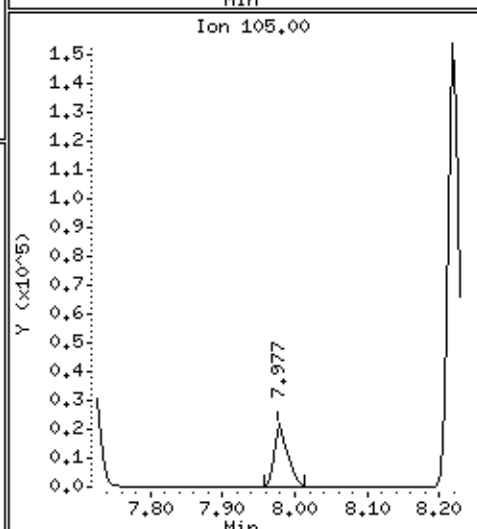
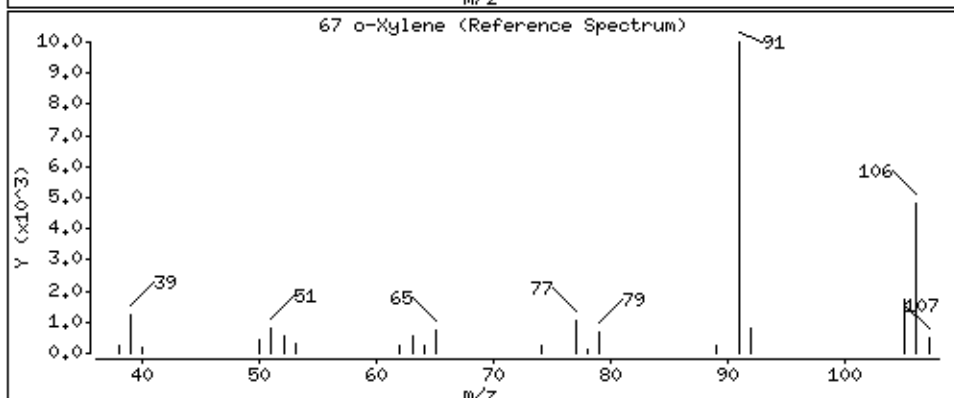
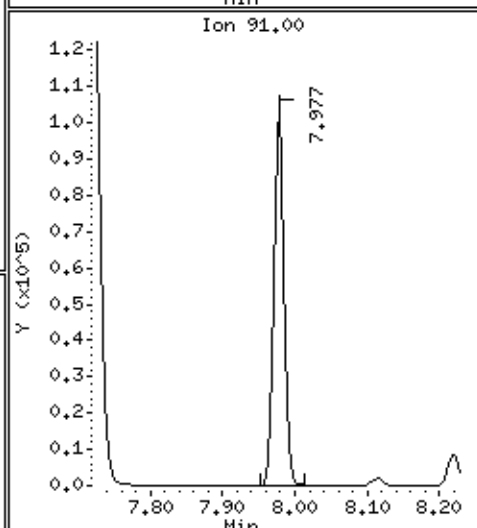
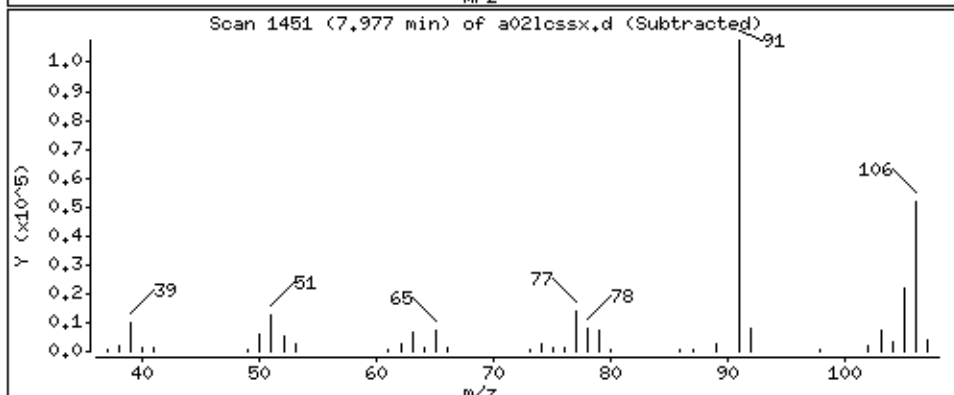
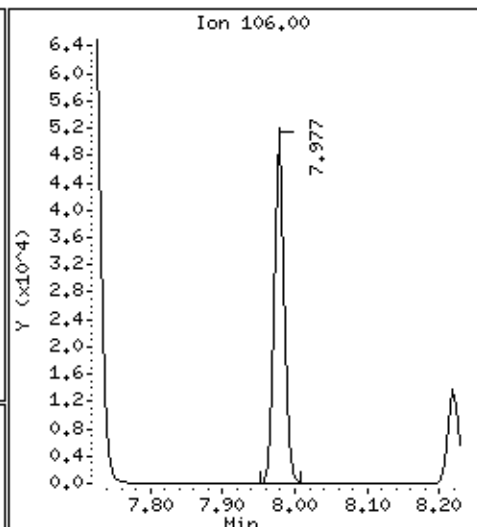
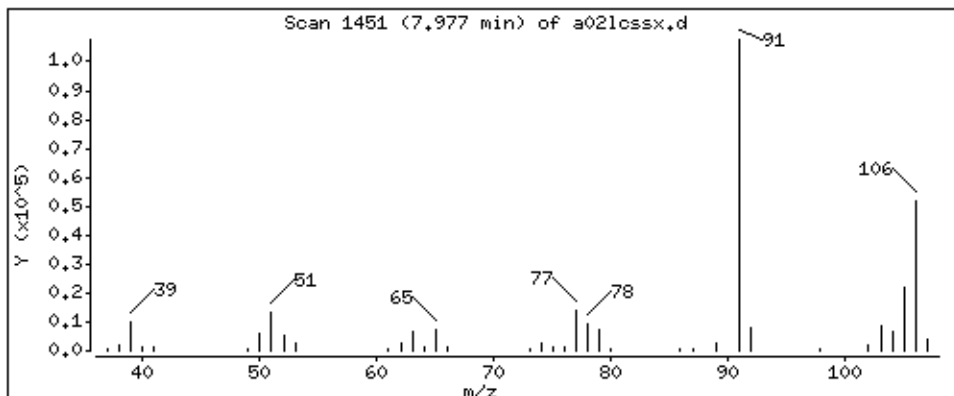
Column phase: DB-624

Column diameter: 0,18

67 o-Xylene

Concentration: 43,5 ppb

Review Code:



Date : 02-JUL-2014 10:36

Client ID: MBLCS

Instrument: 50mv3a.i

Sample Info: 1122045,71089;5

Operator: jlz

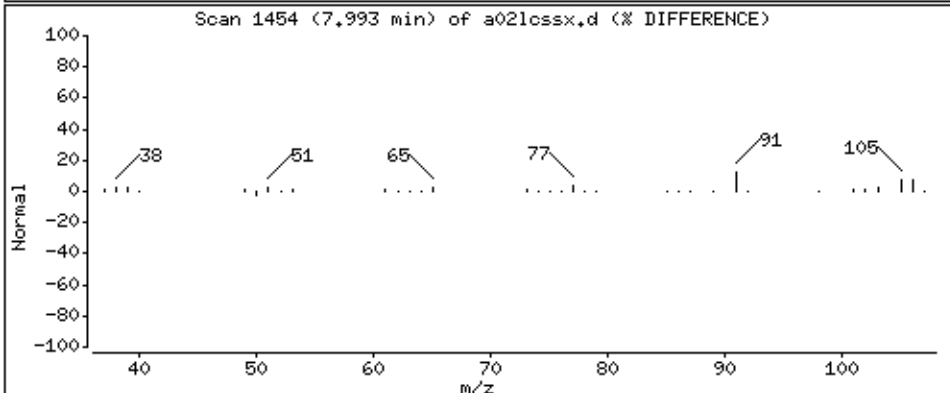
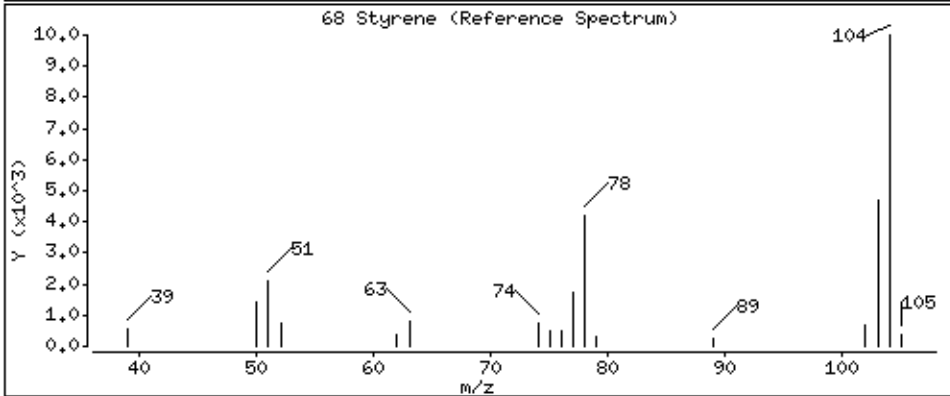
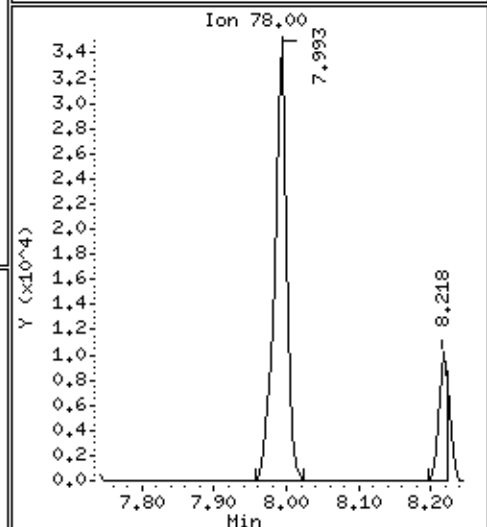
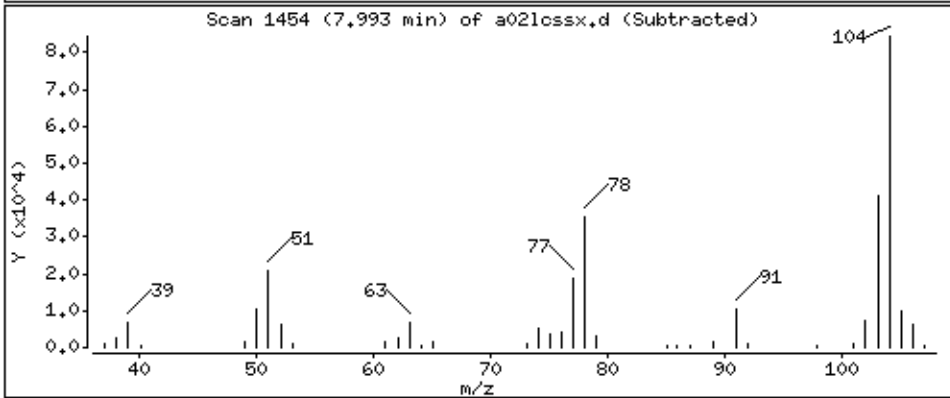
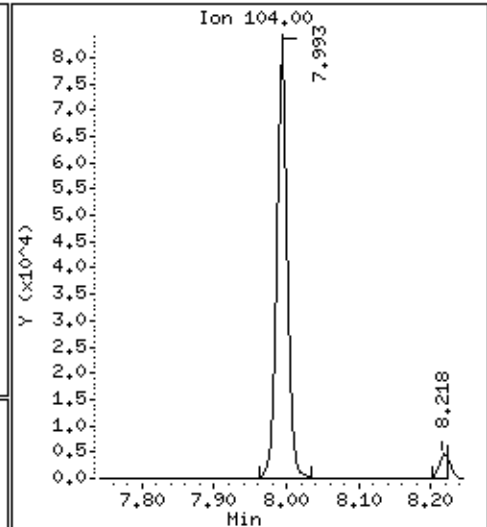
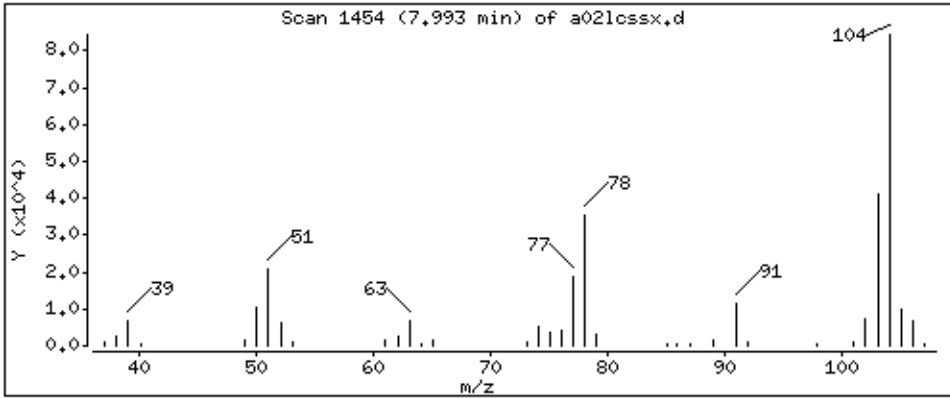
Column phase: DB-624

Column diameter: 0,18

68 Styrene

Concentration: 44,4 ppb

Review Code:



Date : 02-JUL-2014 10:36

Client ID: MBLCS

Instrument: 50mv3a.i

Sample Info: 1122045,71089;5

Operator: jlz

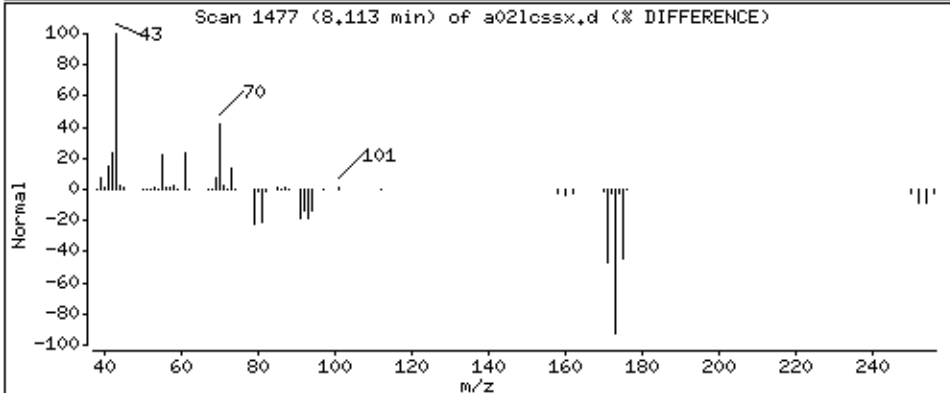
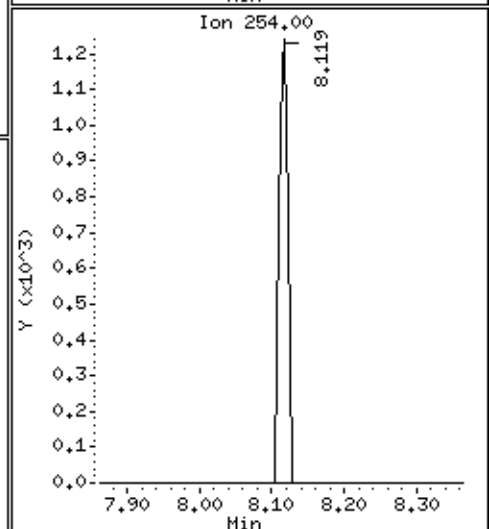
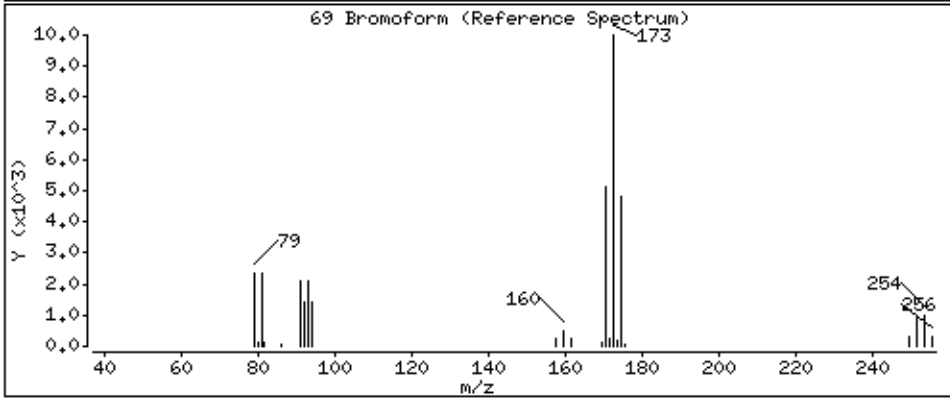
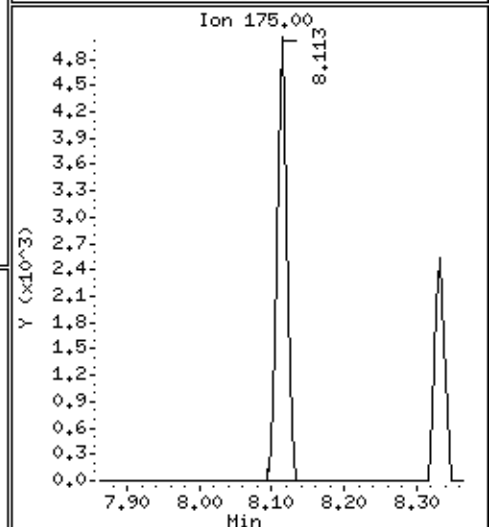
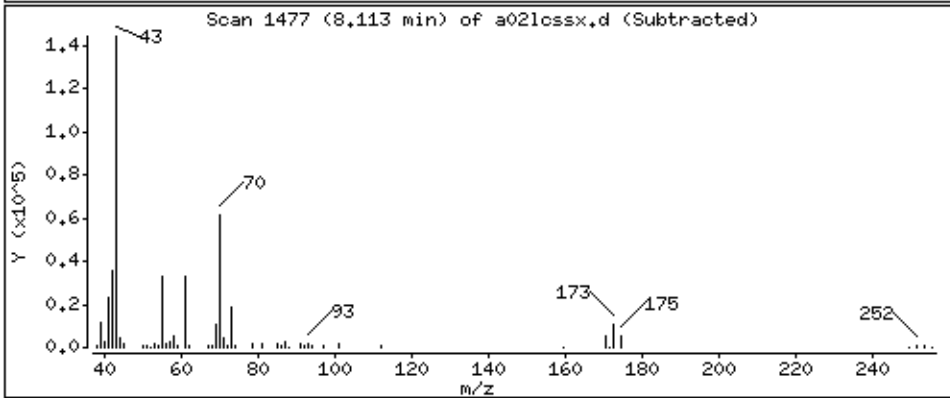
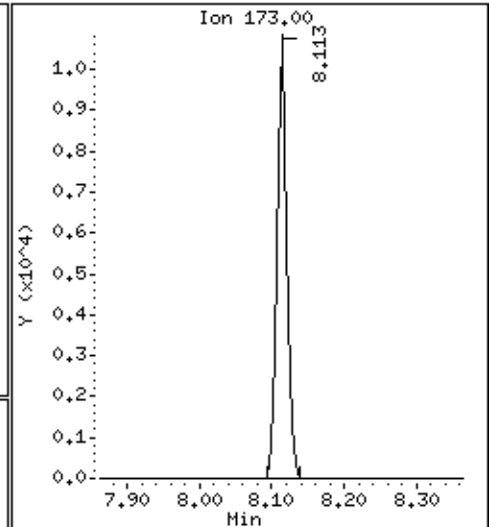
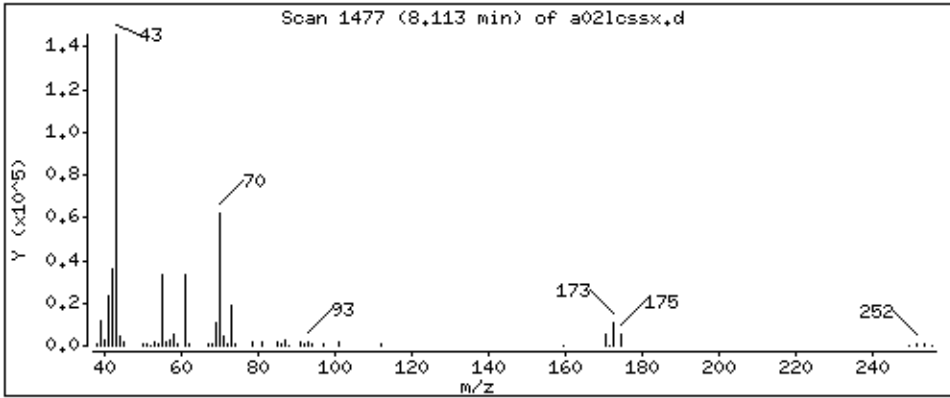
Column phase: DB-624

Column diameter: 0,18

69 Bromoform

Concentration: 38,3 ppb

Review Code:



Date : 02-JUL-2014 10:36

Client ID: MBLCS

Instrument: 50mv3a.i

Sample Info: 1122045,71089;5

Operator: jlz

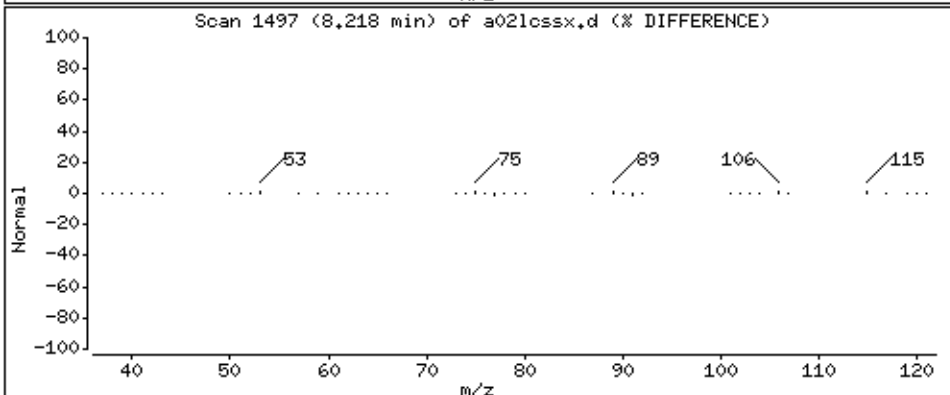
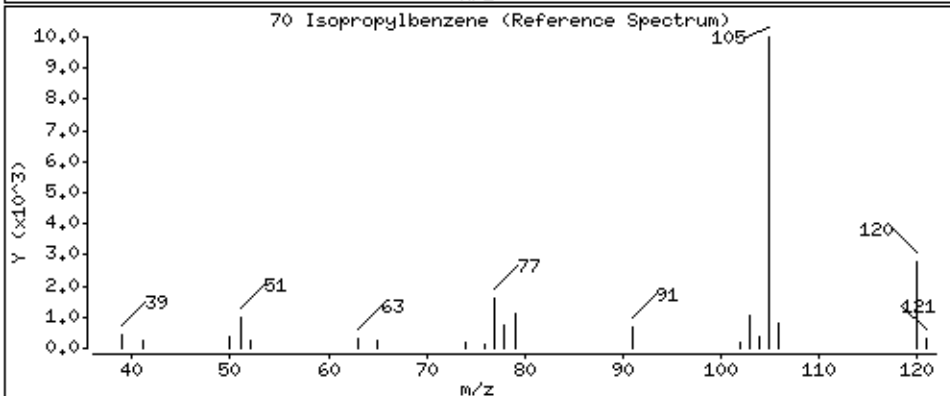
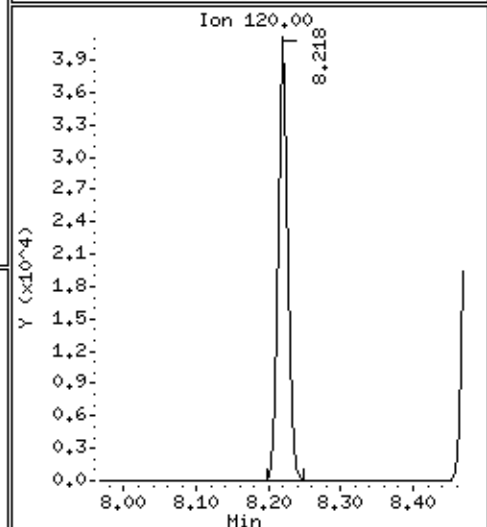
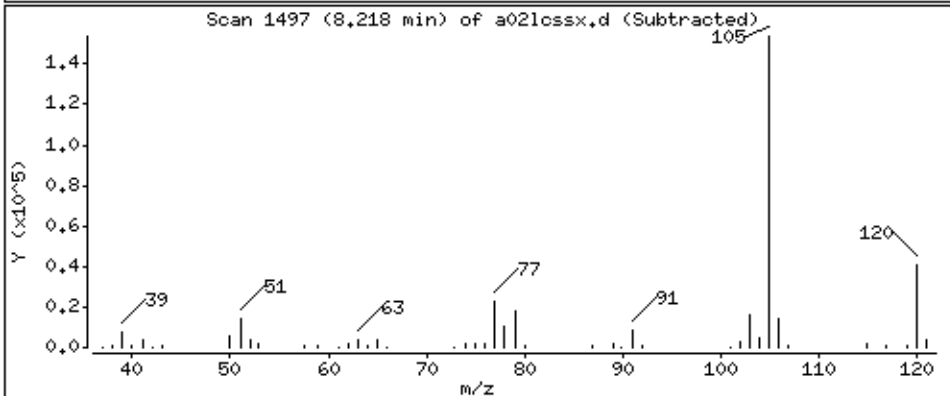
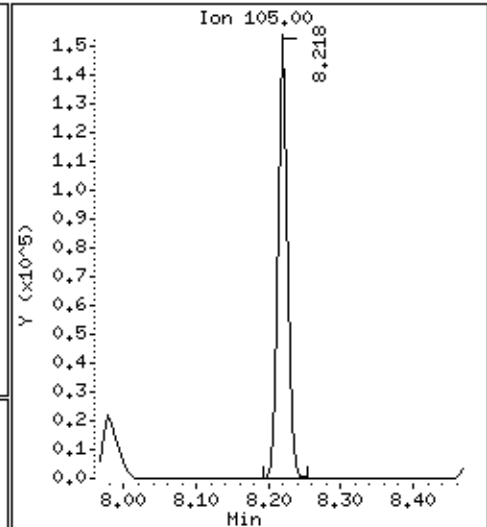
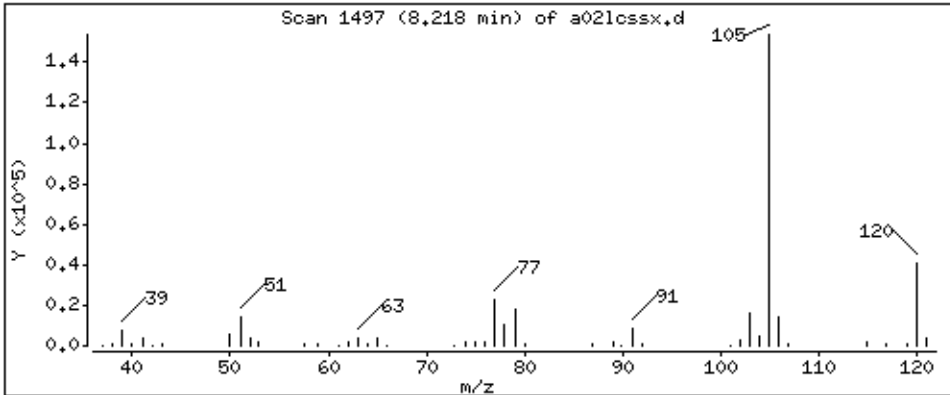
Column phase: DB-624

Column diameter: 0,18

70 Isopropylbenzene

Concentration: 44,2 ppb

Review Code:



Date : 02-JUL-2014 10:36

Client ID: MBLCS

Instrument: 50mv3a.i

Sample Info: 1122045,71089;5

Operator: jlz

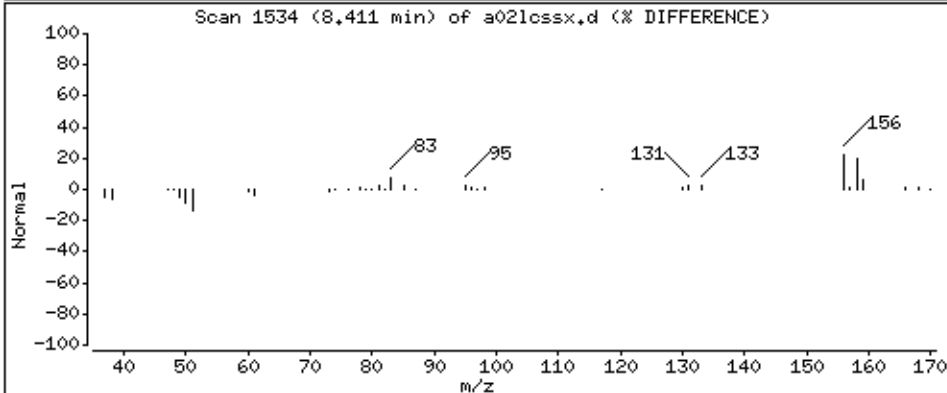
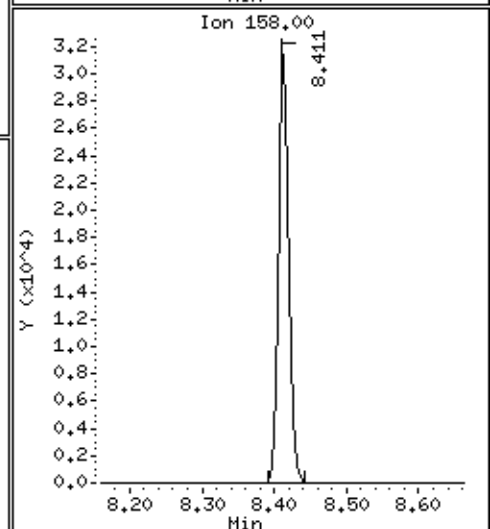
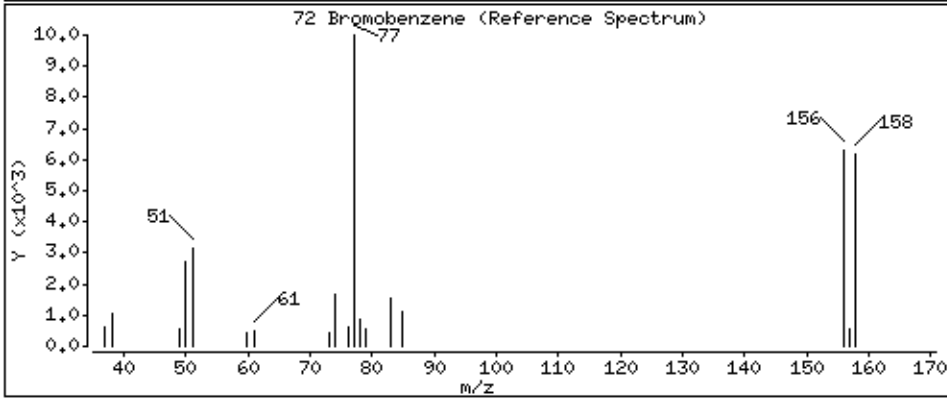
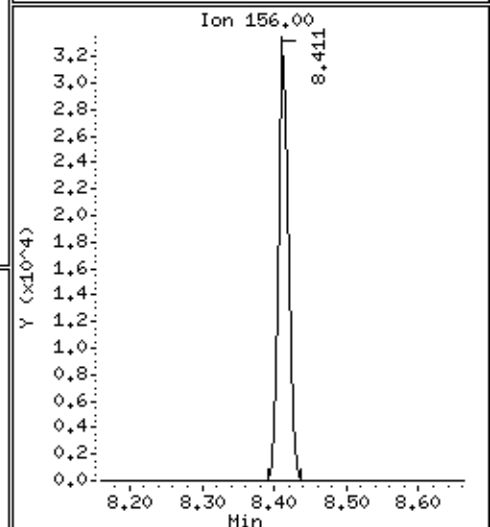
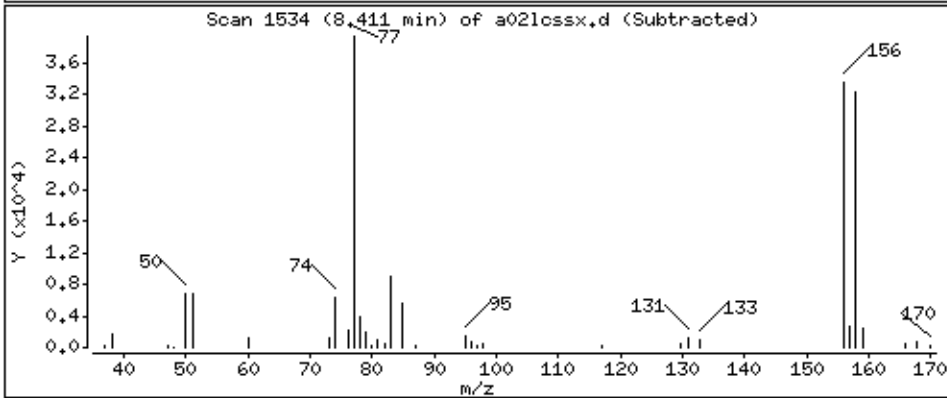
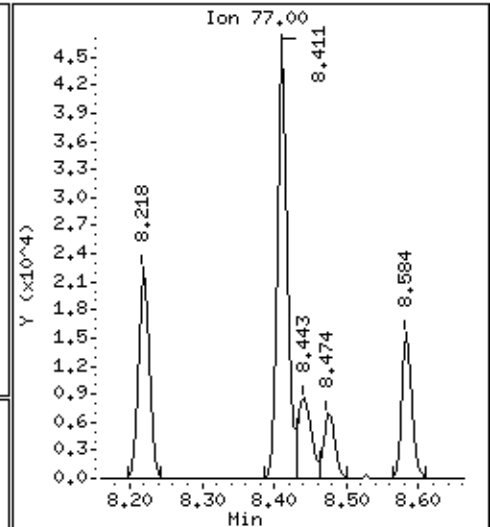
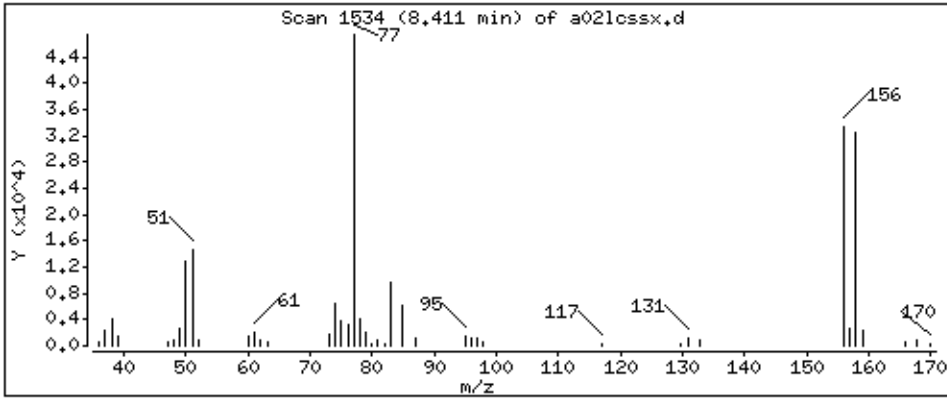
Column phase: DB-624

Column diameter: 0,18

72 Bromobenzene

Concentration: 41.9 ppb

Review Code:



Date : 02-JUL-2014 10:36

Client ID: MBLCS

Instrument: 50mw3a.i

Sample Info: 1122045,71089;5

Operator: jlz

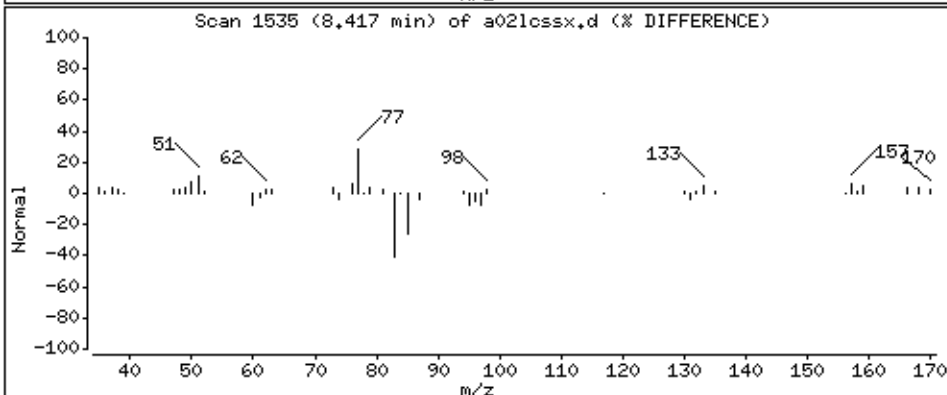
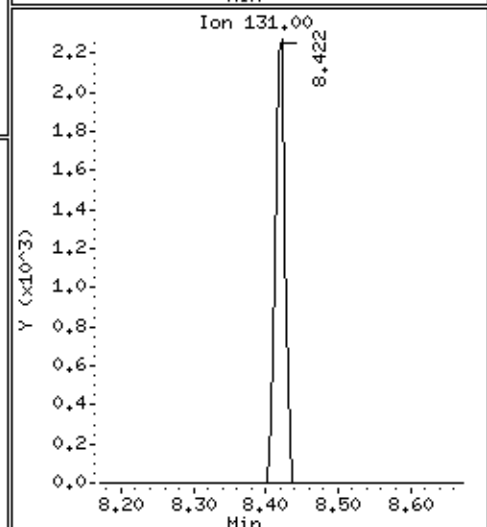
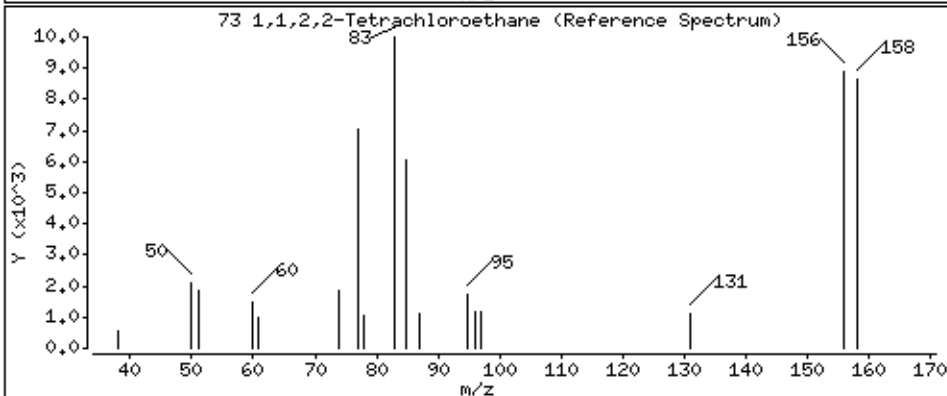
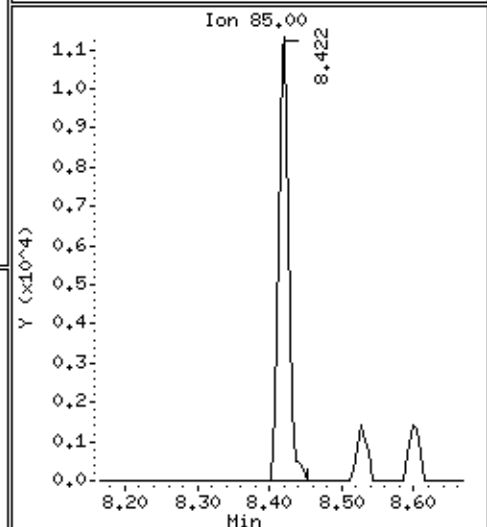
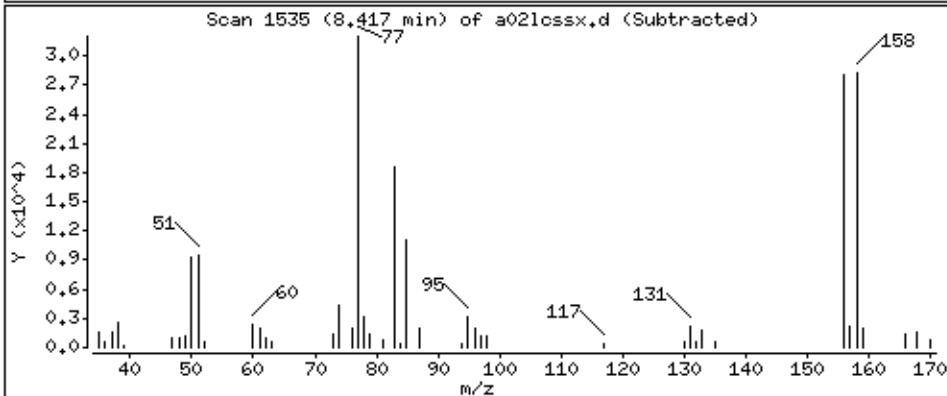
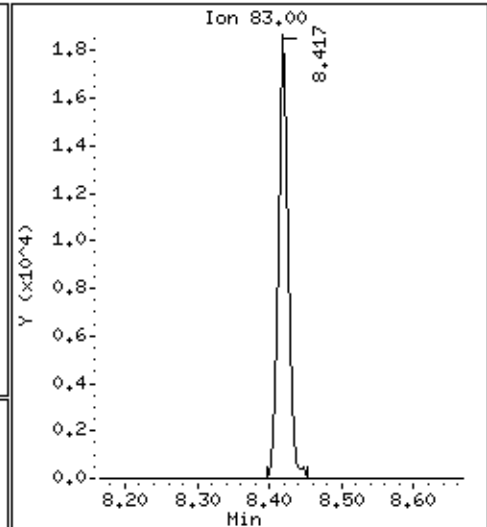
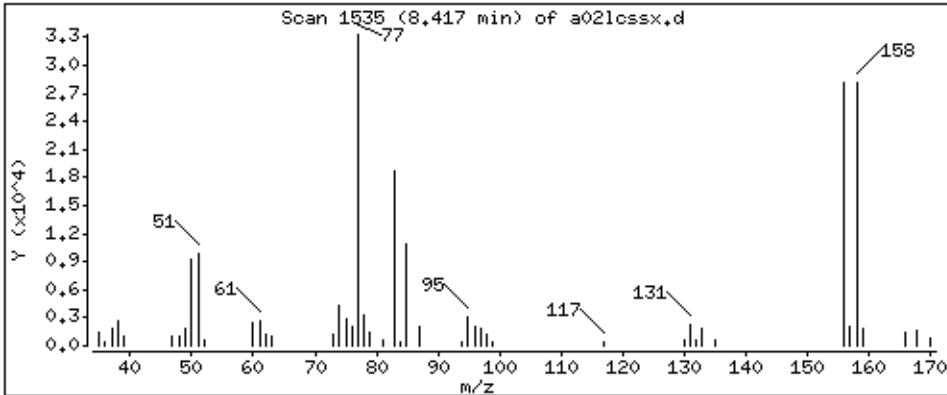
Column phase: DB-624

Column diameter: 0,18

73 1,1,2,2-Tetrachloroethane

Concentration: 38,9 ppb

Review Code:



Date : 02-JUL-2014 10:36

Client ID: MBLCS

Instrument: 50mv3a.i

Sample Info: 1122045,71089;5

Operator: jlz

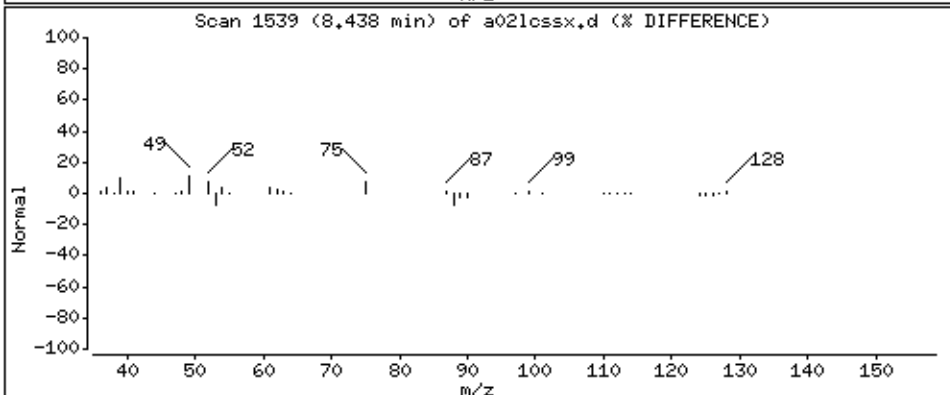
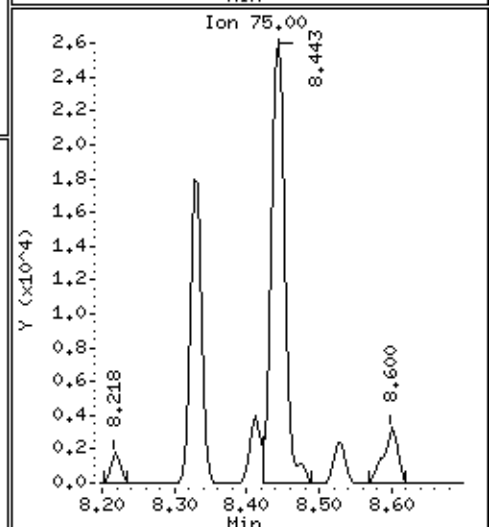
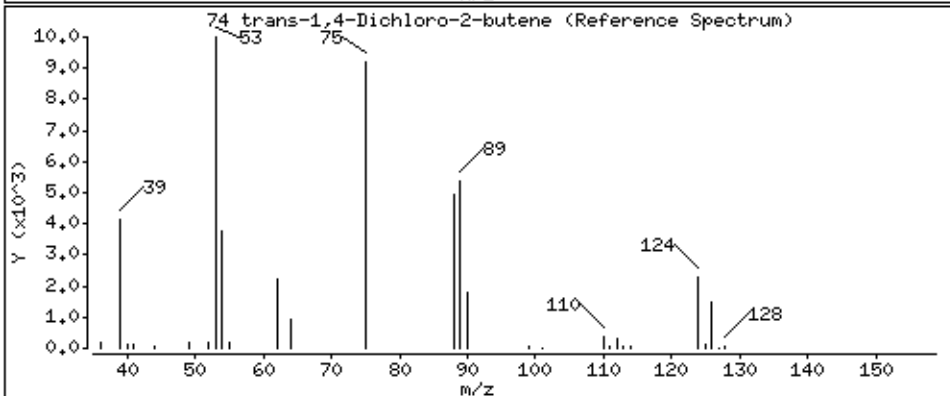
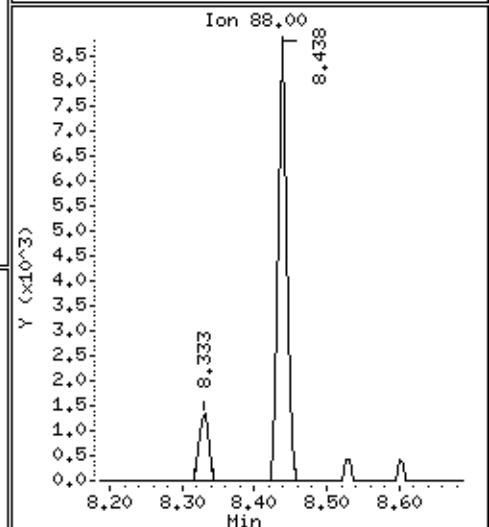
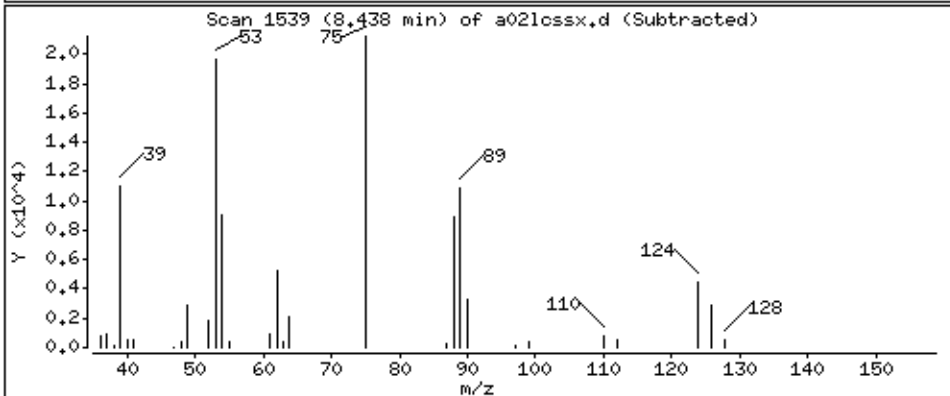
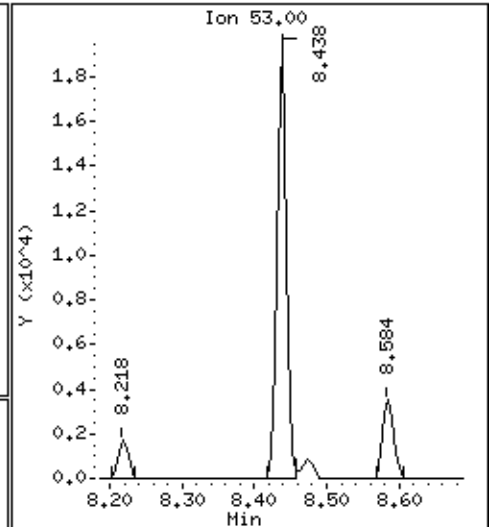
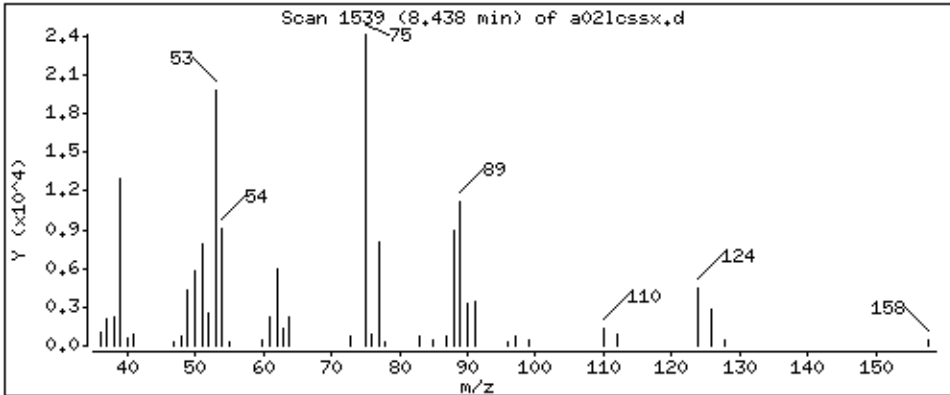
Column phase: DB-624

Column diameter: 0,18

74 trans-1,4-Dichloro-2-butene

Concentration: 152 ppb

Review Code:



Date : 02-JUL-2014 10:36

Client ID: MBLCS

Instrument: 50mv3a.i

Sample Info: 1122045,71089;5

Operator: jlz

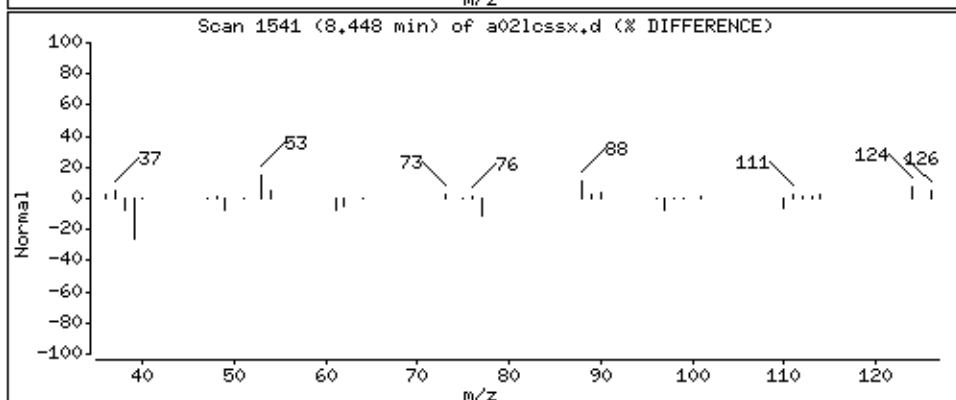
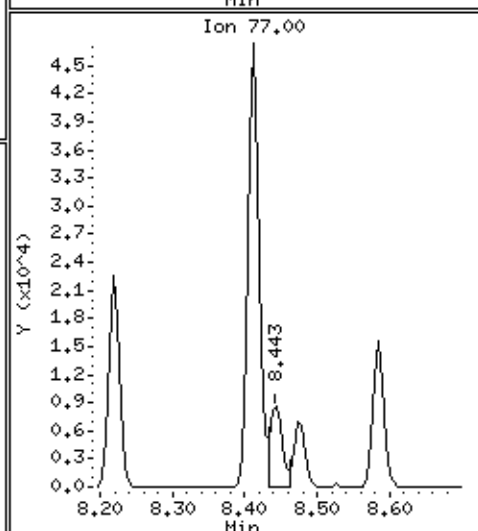
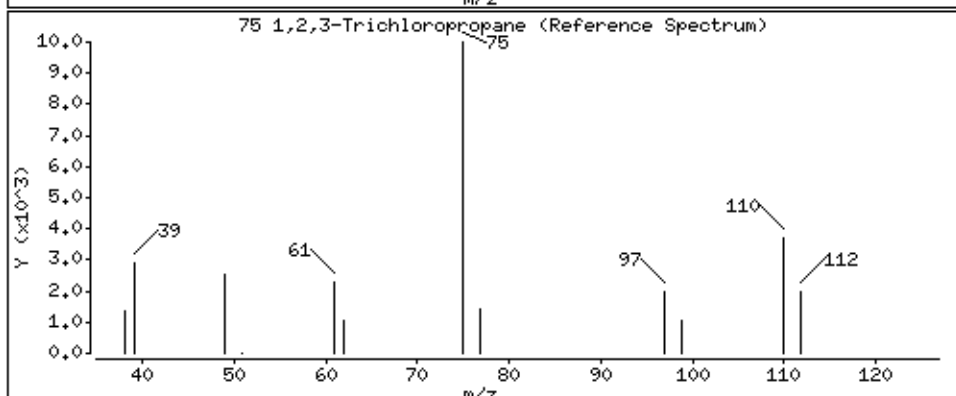
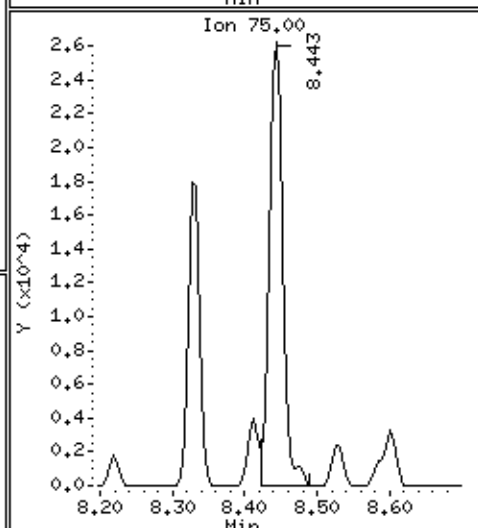
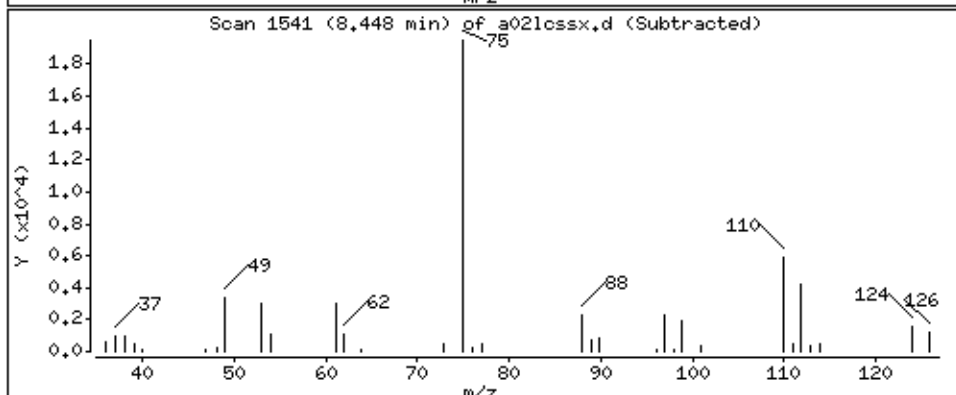
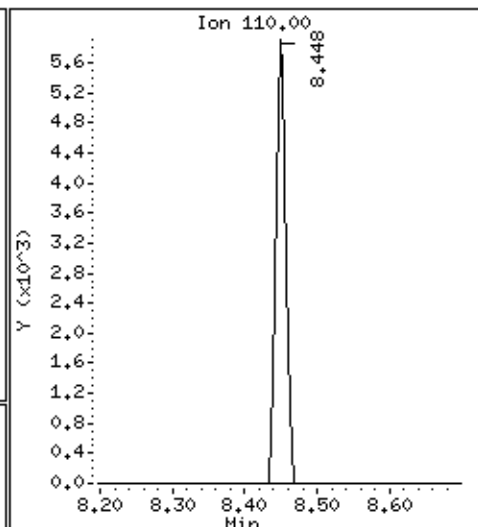
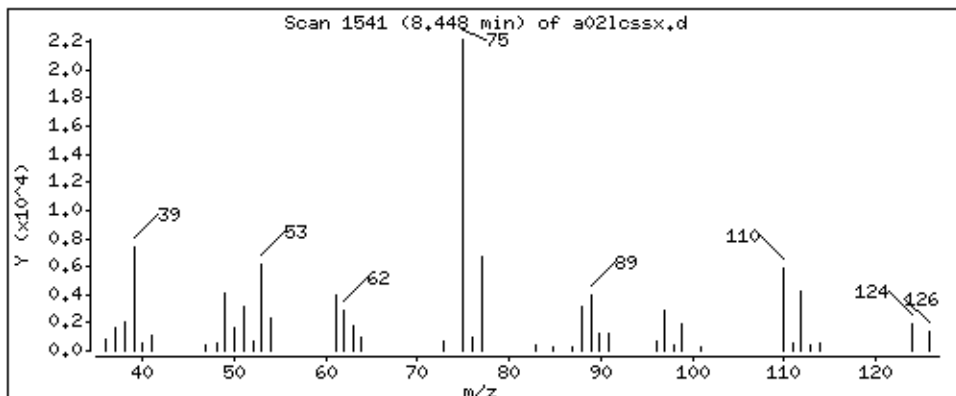
Column phase: DB-624

Column diameter: 0,18

75 1,2,3-Trichloropropane

Concentration: 37,7 ppb

Review Code:



Date : 02-JUL-2014 10:36

Client ID: MBLCS

Instrument: 50mv3a.i

Sample Info: 1122045,71089;5

Operator: jlz

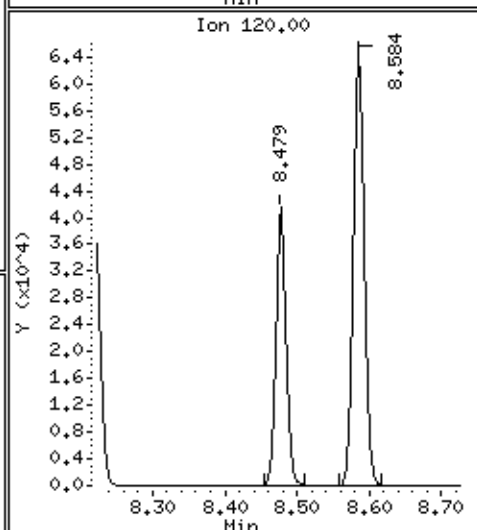
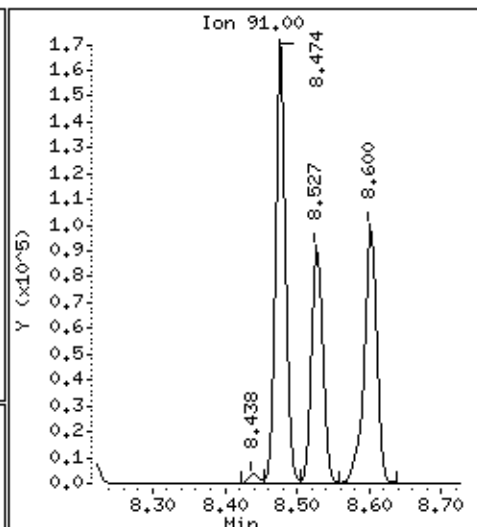
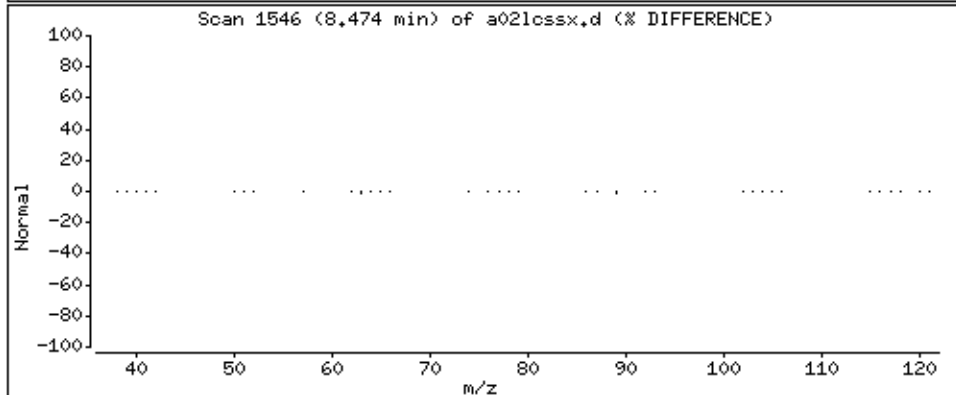
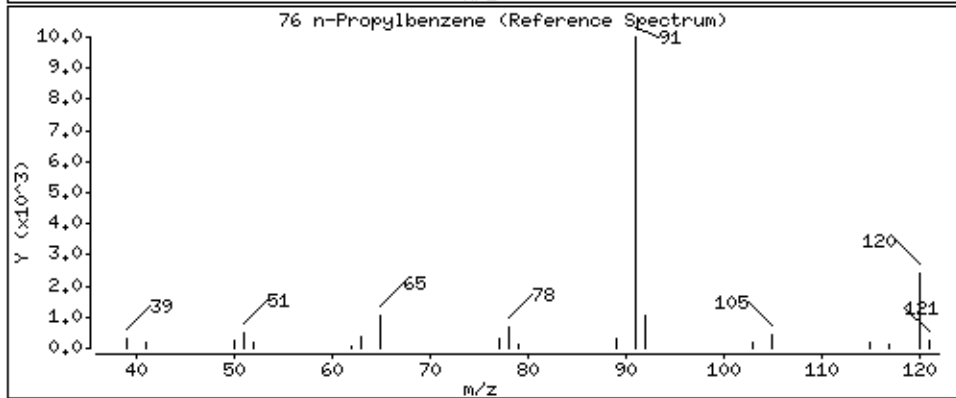
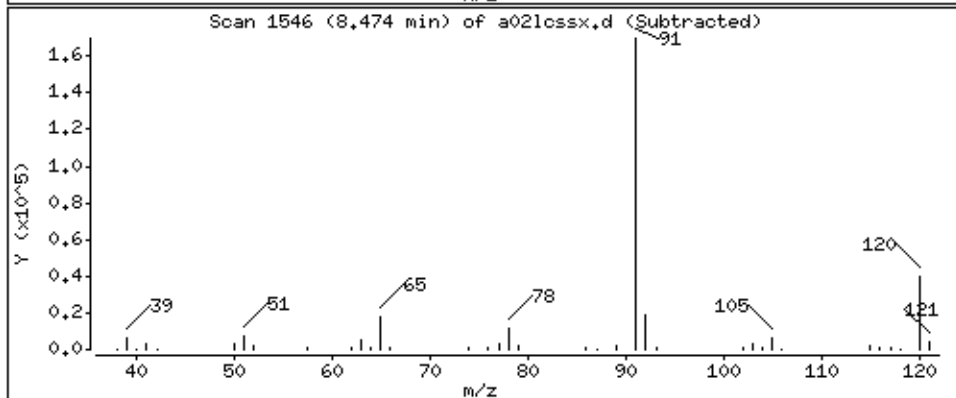
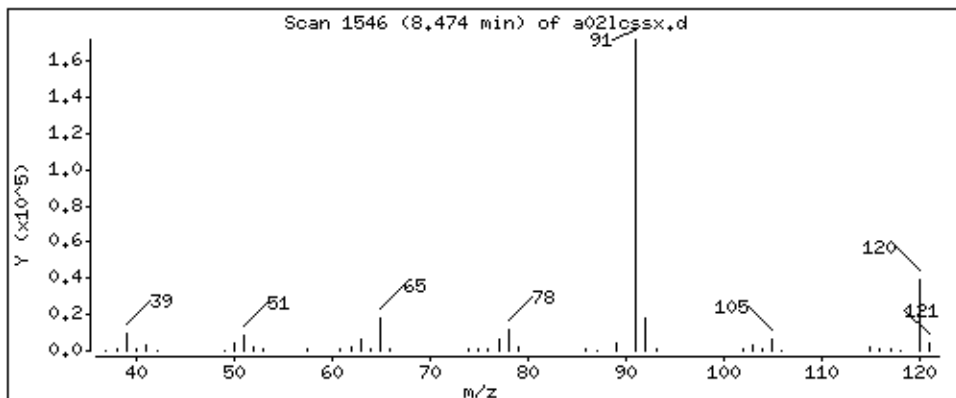
Column phase: DB-624

Column diameter: 0,18

76 n-Propylbenzene

Concentration: 41.1 ppb

Review Code:



Date : 02-JUL-2014 10:36

Client ID: MBLCS

Instrument: 50mv3a.i

Sample Info: 1122045,71089;5

Operator: jlz

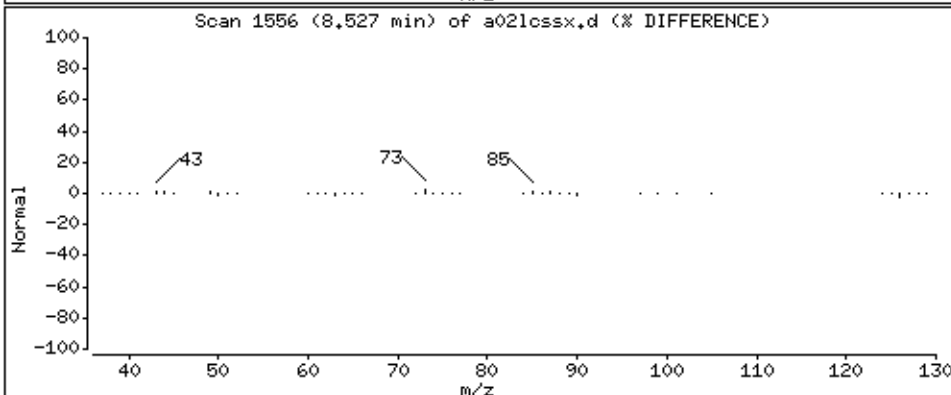
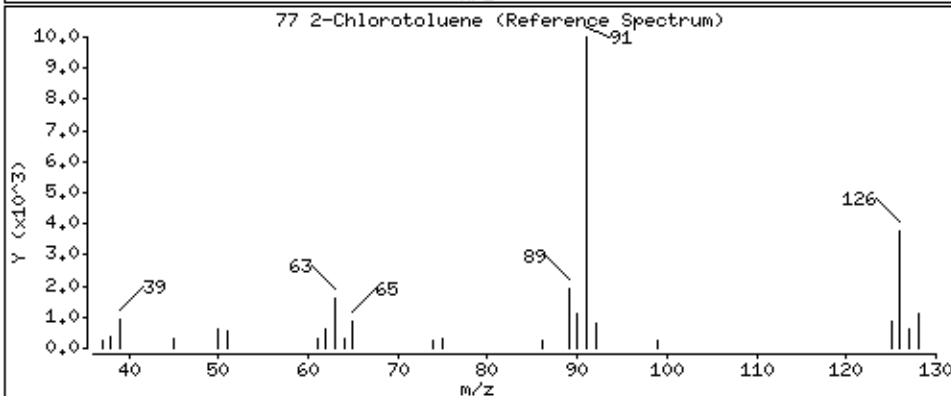
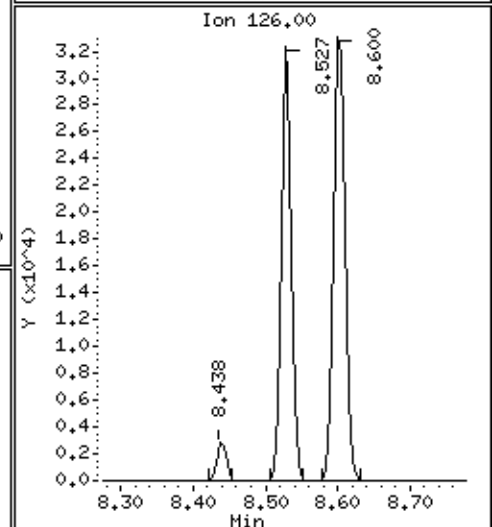
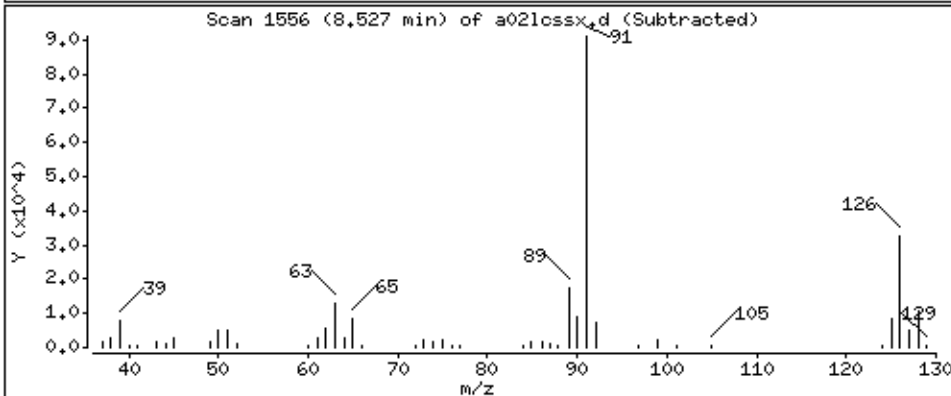
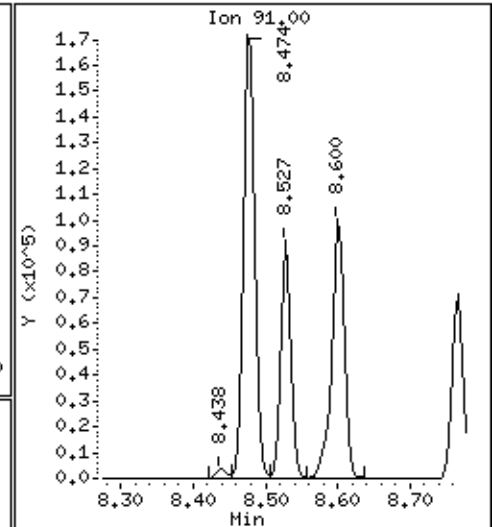
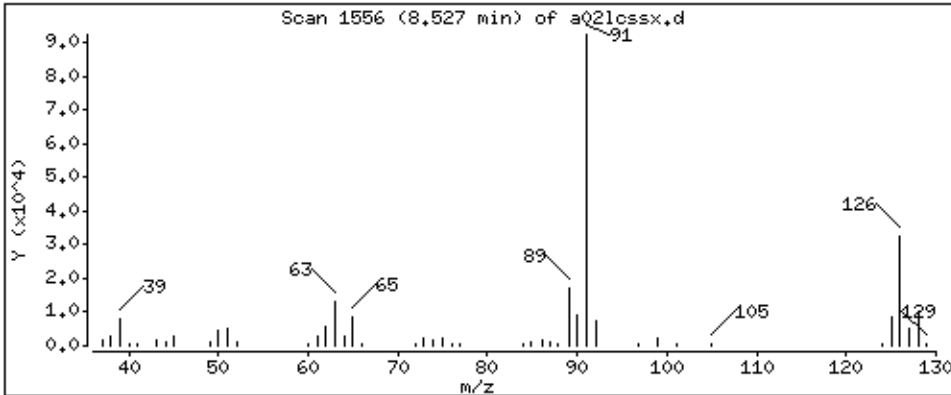
Column phase: DB-624

Column diameter: 0,18

77 2-Chlorotoluene

Concentration: 39,6 ppb

Review Code:



Date : 02-JUL-2014 10:36

Client ID: MBLCS

Instrument: 50mv3a.i

Sample Info: 1122045,71089;5

Operator: jlz

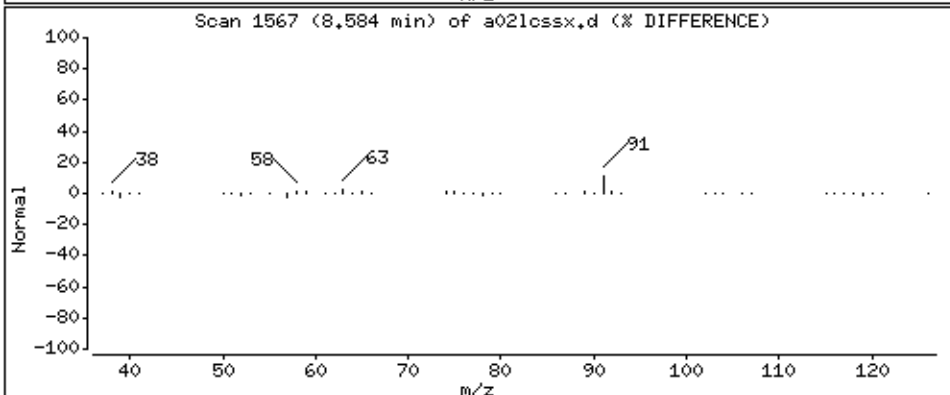
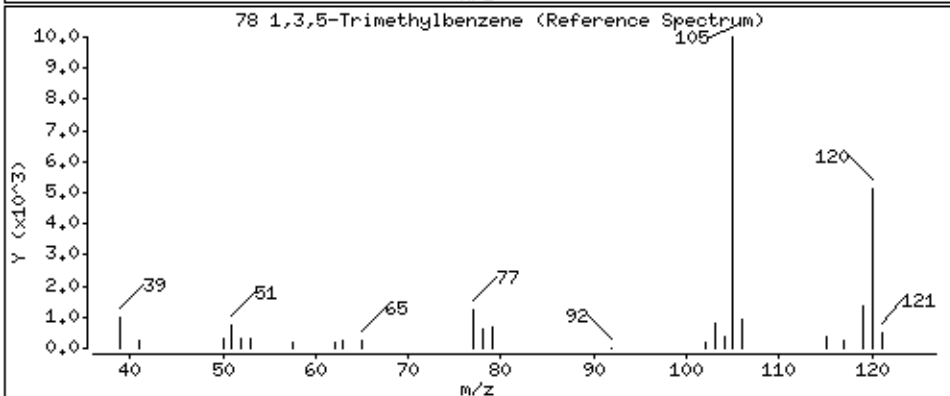
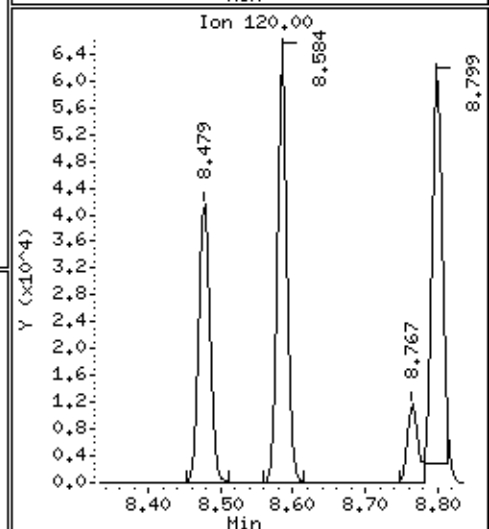
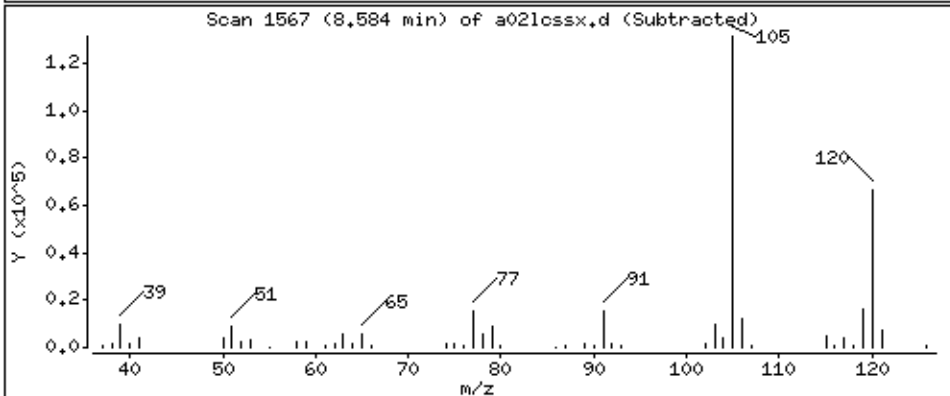
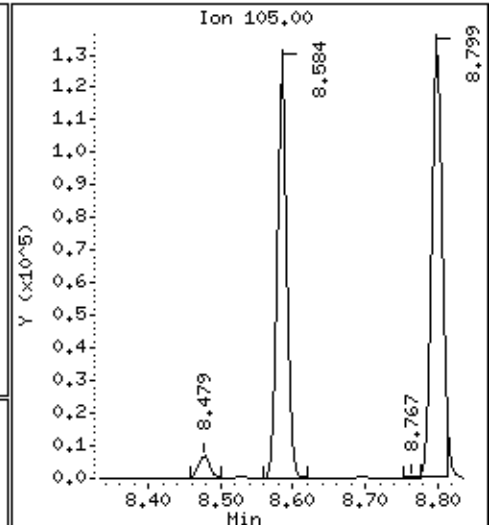
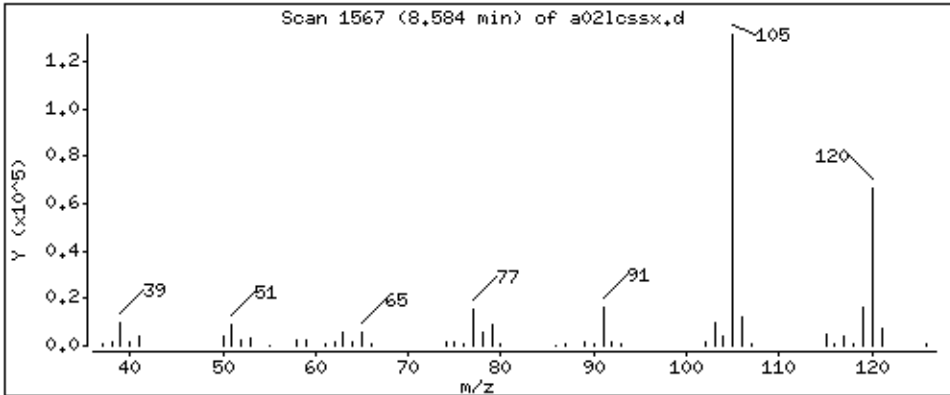
Column phase: DB-624

Column diameter: 0,18

78 1,3,5-Trimethylbenzene

Concentration: 40,2 ppb

Review Code:



Date : 02-JUL-2014 10:36

Client ID: MBLCS

Instrument: 50mv3a.i

Sample Info: 1122045,71089;5

Operator: jlz

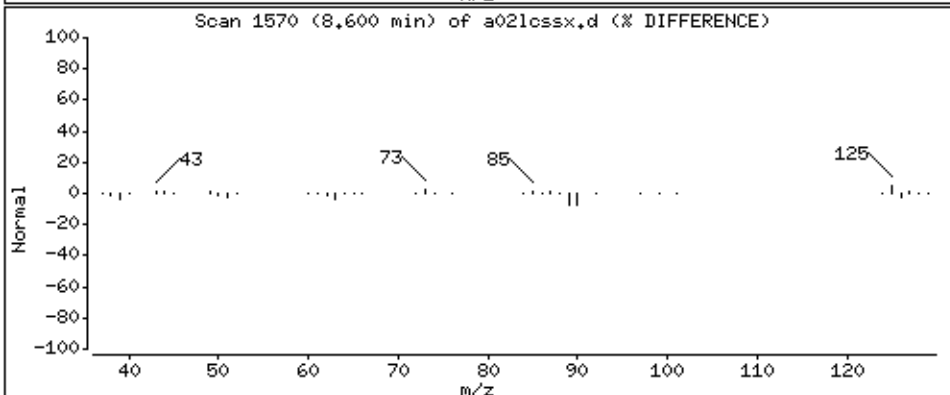
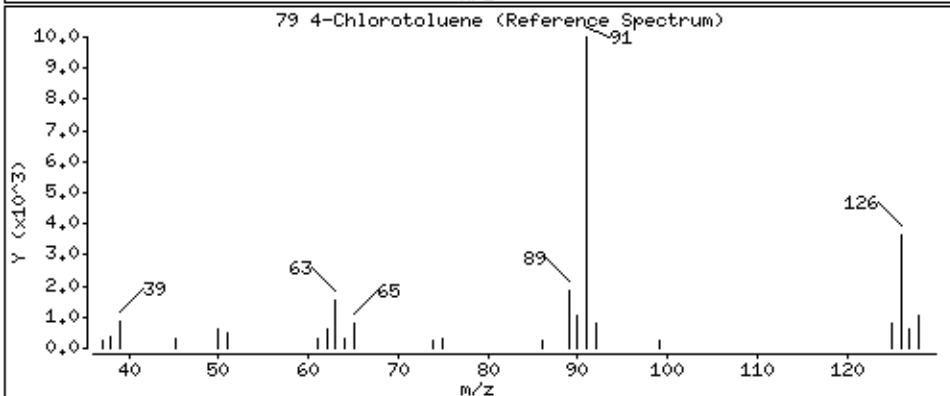
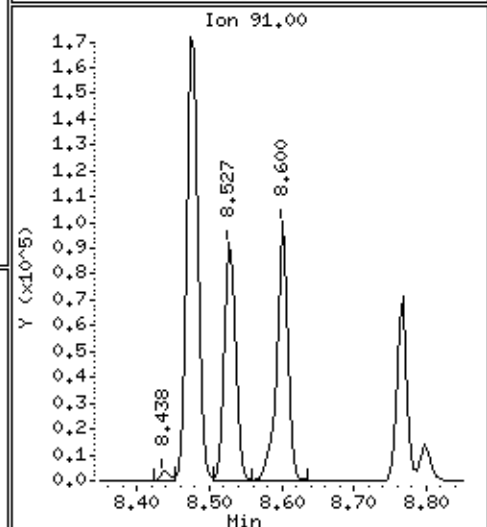
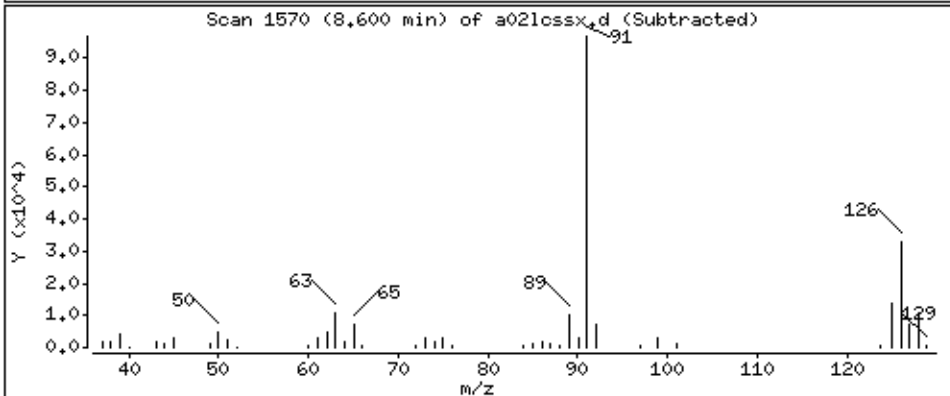
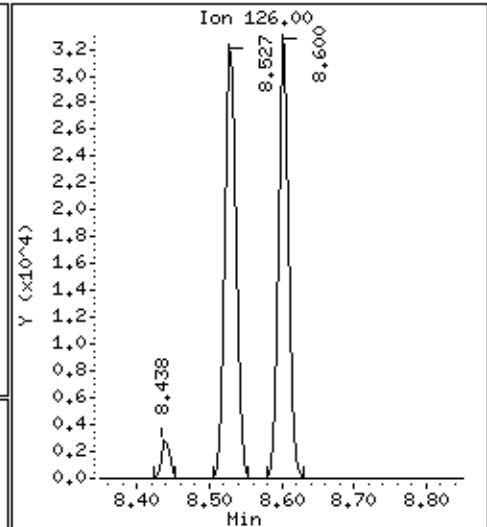
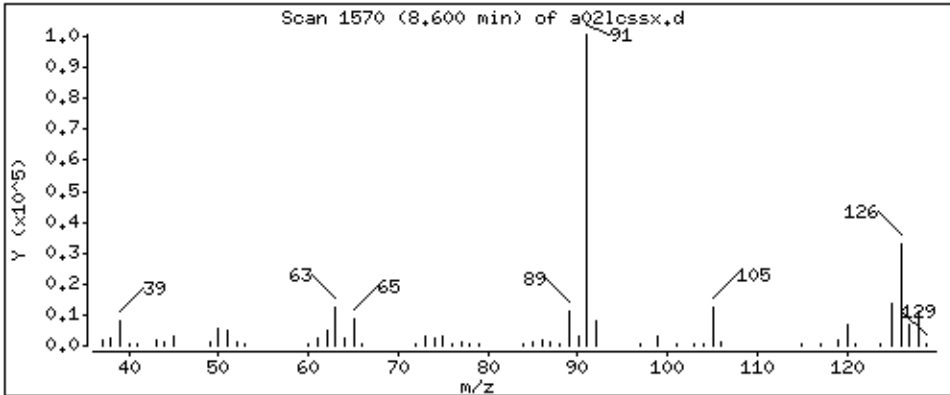
Column phase: DB-624

Column diameter: 0,18

79 4-Chlorotoluene

Concentration: 41.5 ppb

Review Code:



Date : 02-JUL-2014 10:36

Client ID: MBLCS

Instrument: 50mv3a.i

Sample Info: 1122045,71089;5

Operator: jlz

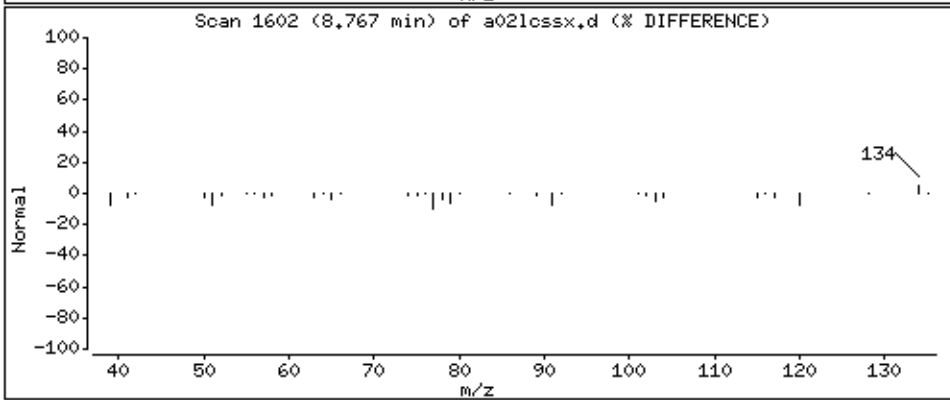
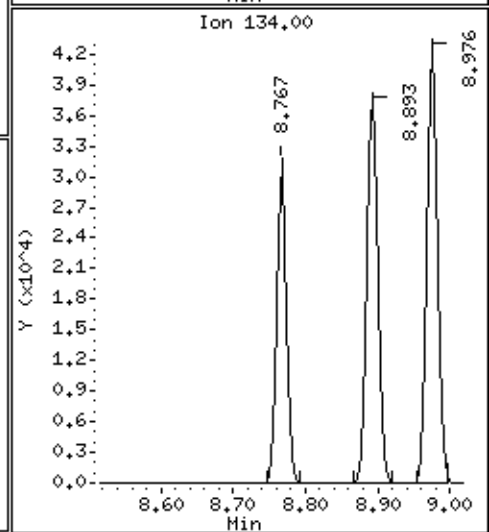
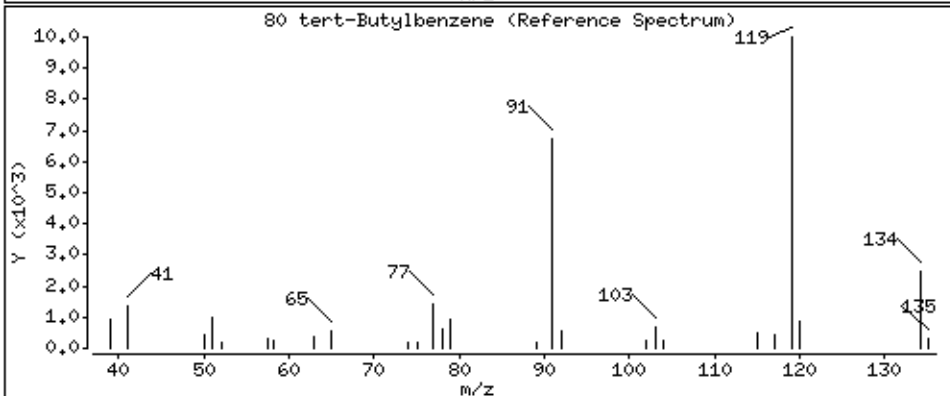
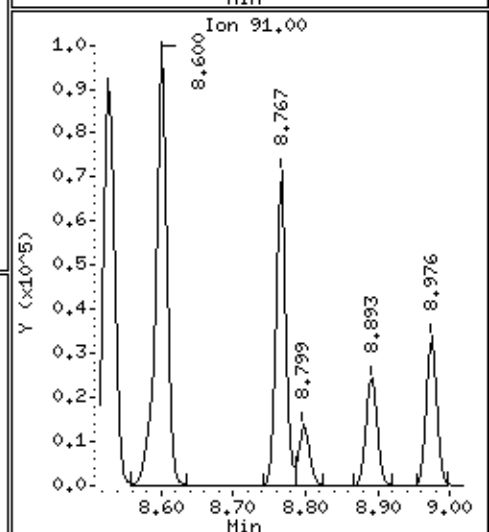
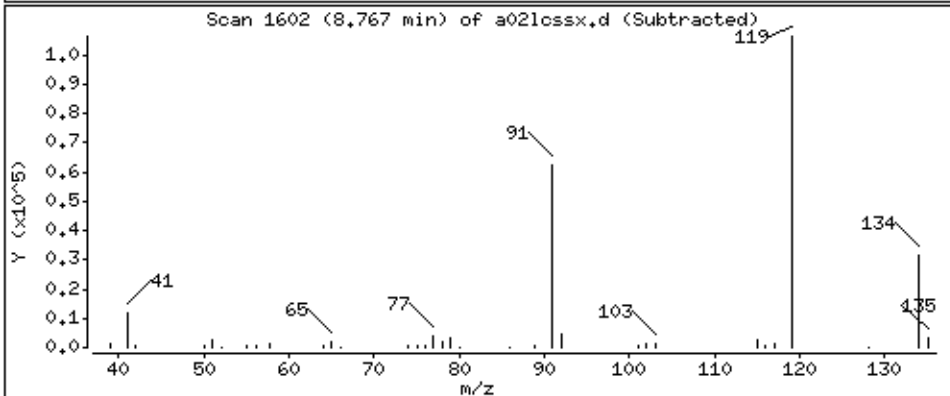
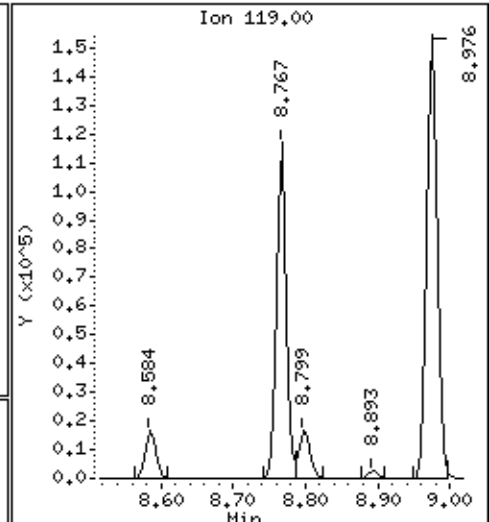
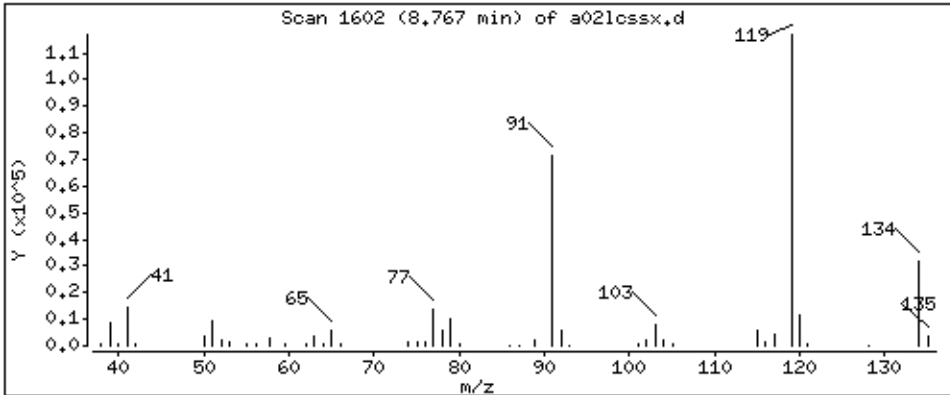
Column phase: DB-624

Column diameter: 0,18

80 tert-Butylbenzene

Concentration: 34,2 ppb

Review Code:



Date : 02-JUL-2014 10:36

Client ID: MBLCS

Instrument: 50mw3a.i

Sample Info: 1122045,71089;5

Operator: jlz

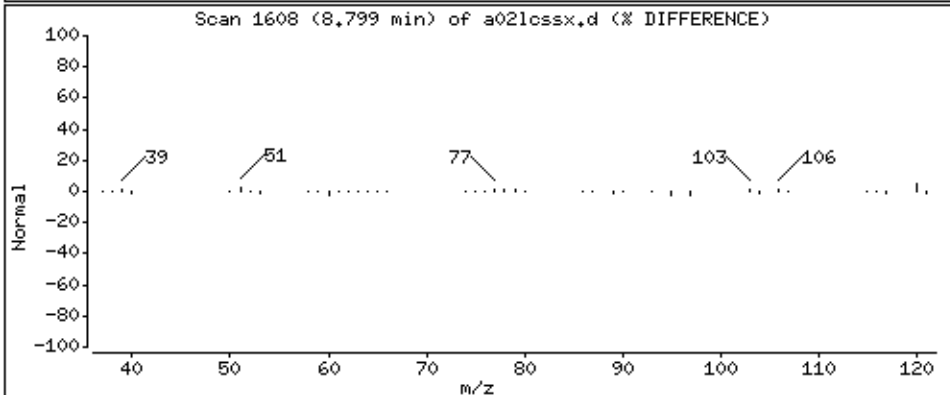
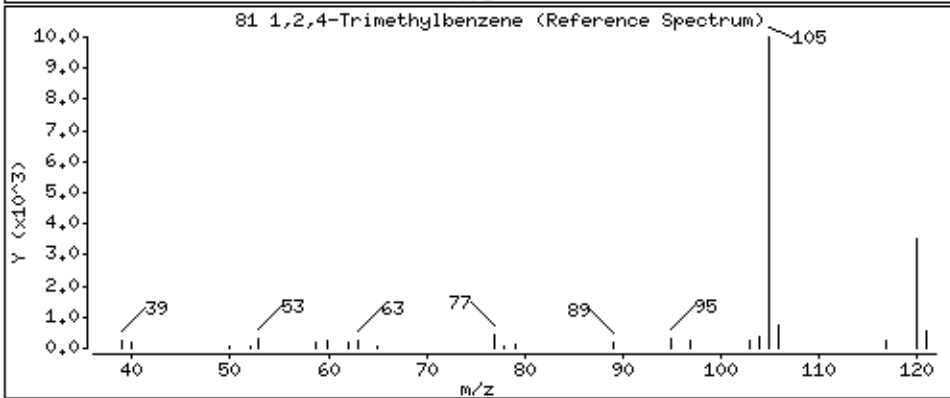
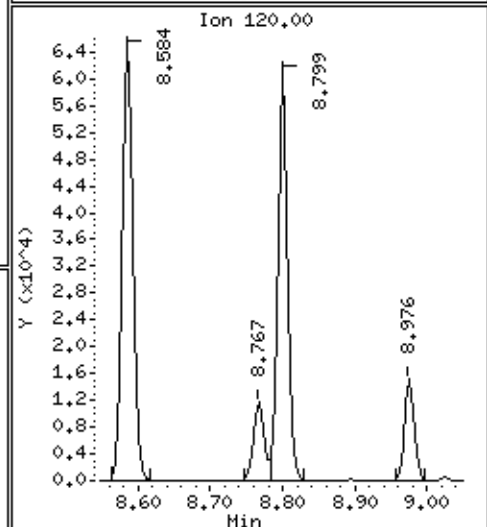
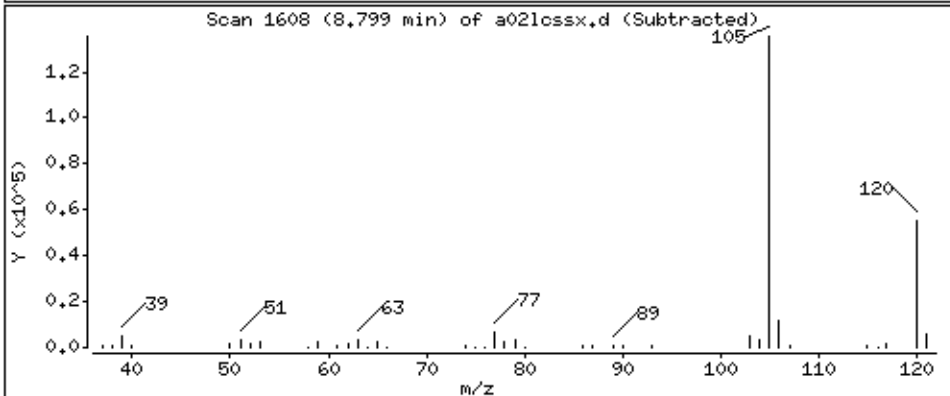
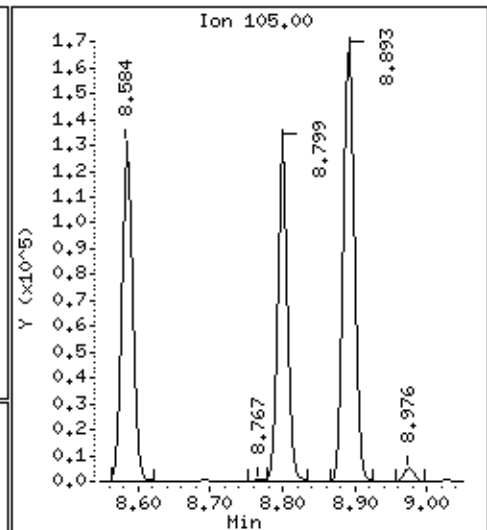
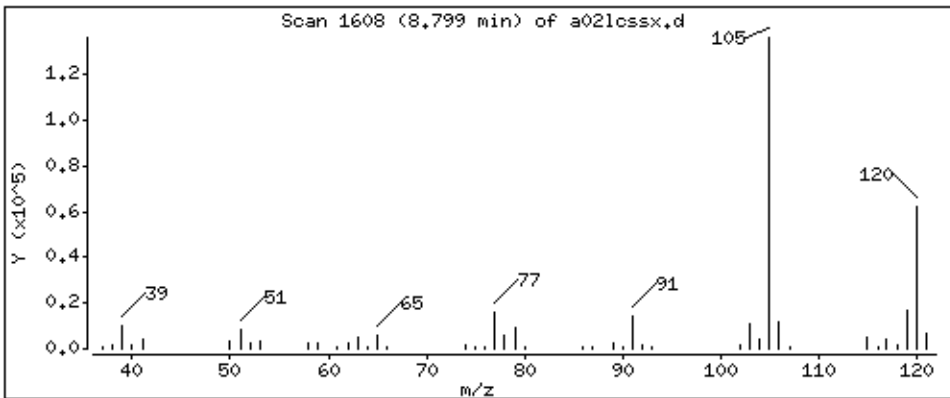
Column phase: DB-624

Column diameter: 0,18

81 1,2,4-Trimethylbenzene

Concentration: 41.6 ppb

Review Code:



Date : 02-JUL-2014 10:36

Client ID: MBLCS

Instrument: 50mw3a.i

Sample Info: 1122045,71089;5

Operator: jlz

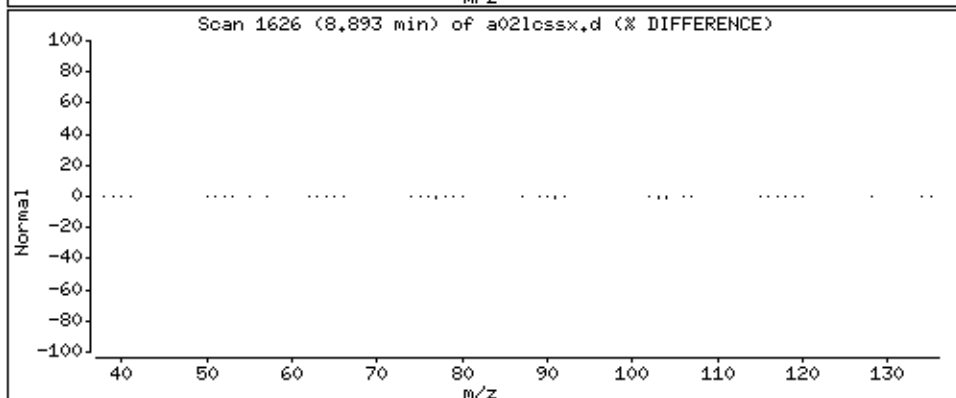
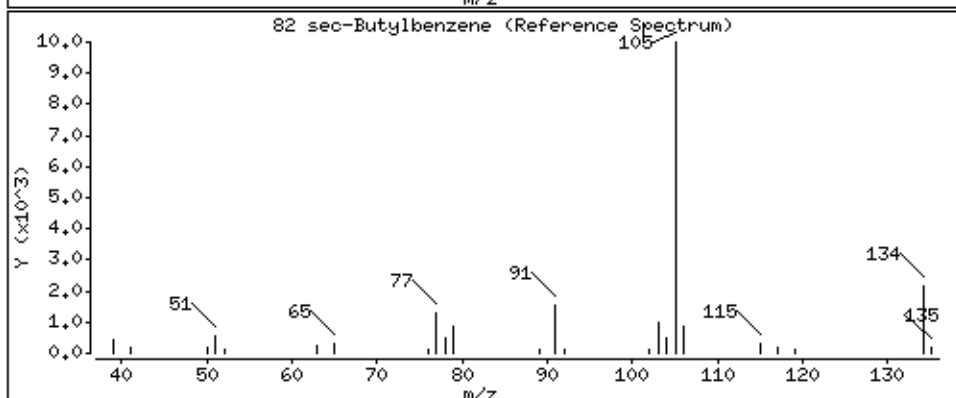
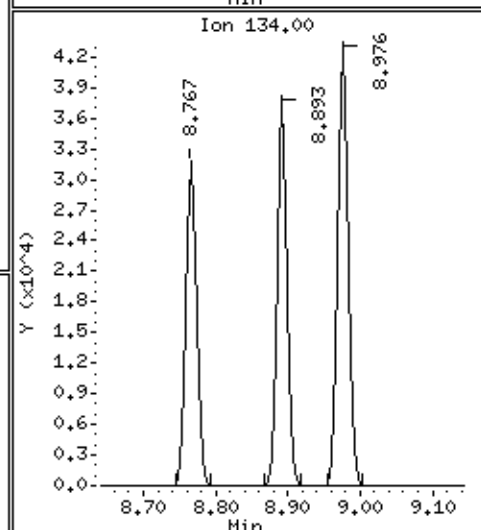
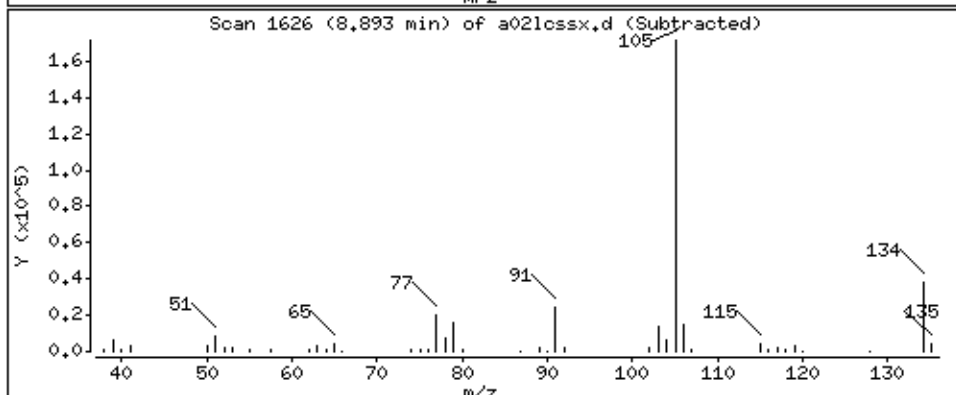
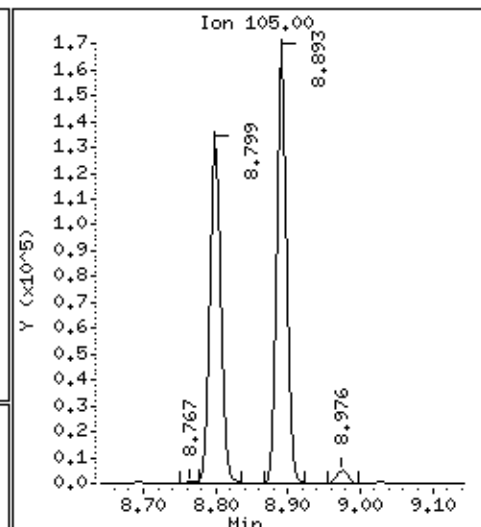
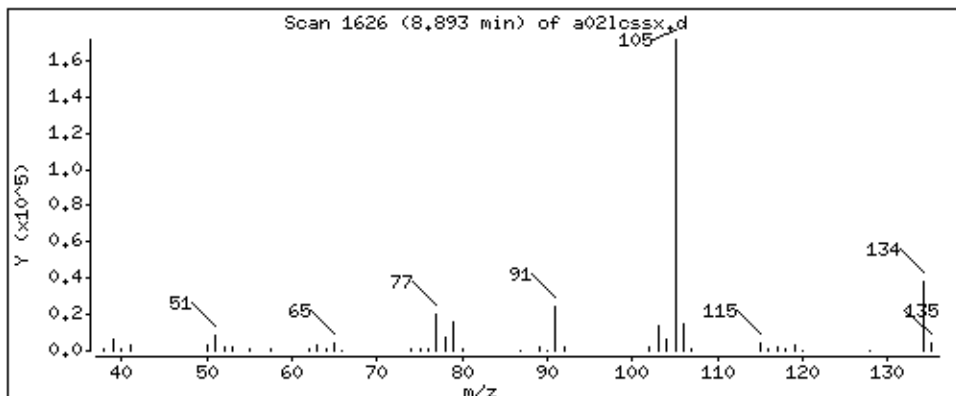
Column phase: DB-624

Column diameter: 0,18

82 sec-Butylbenzene

Concentration: 40,9 ppb

Review Code:



Date : 02-JUL-2014 10:36

Client ID: MBLCS

Instrument: 50mw3a.i

Sample Info: 1122045,71089;5

Operator: jlz

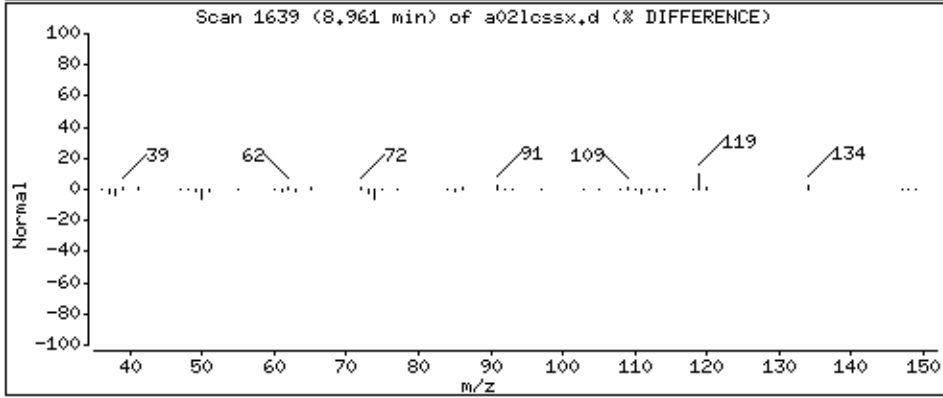
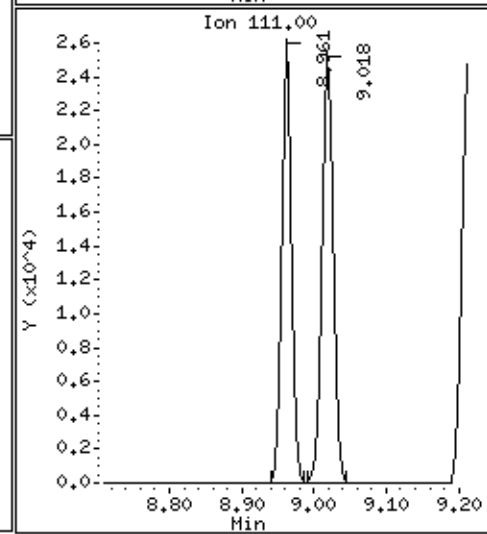
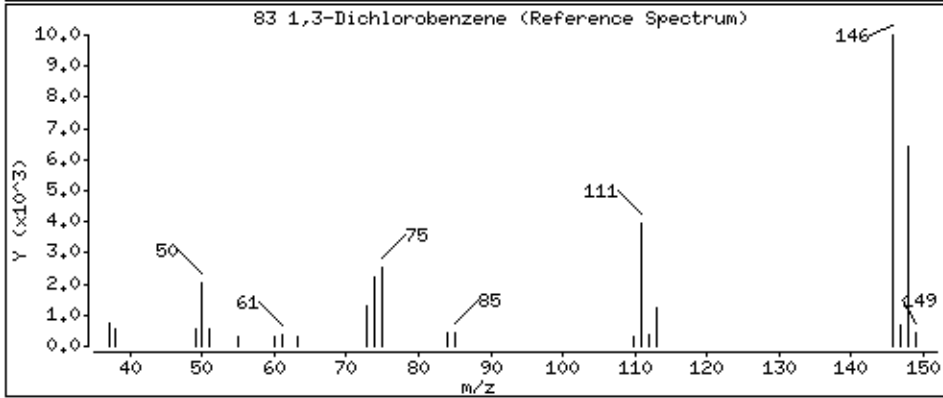
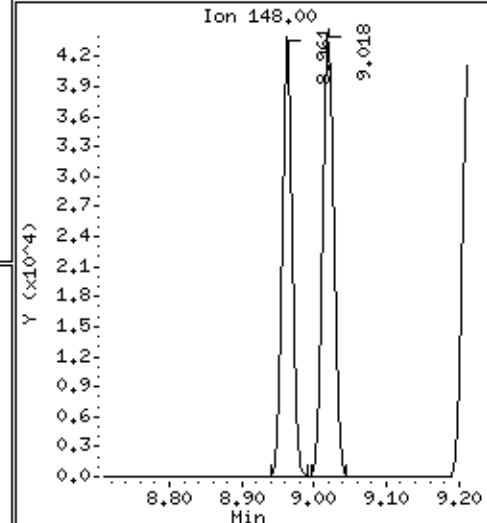
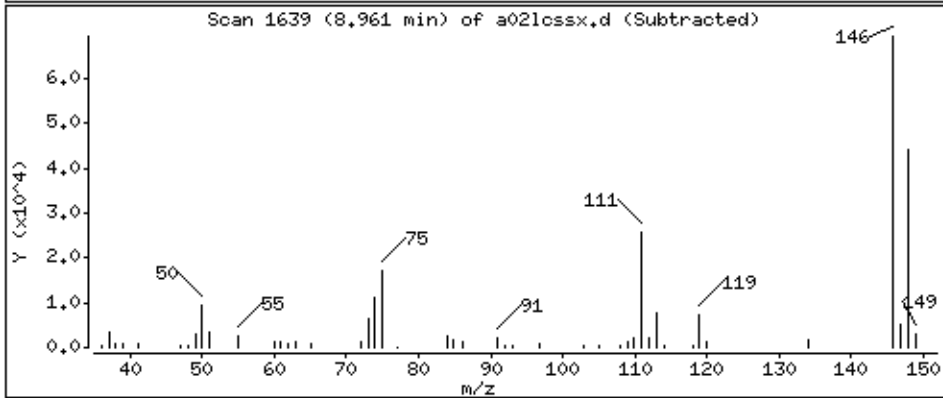
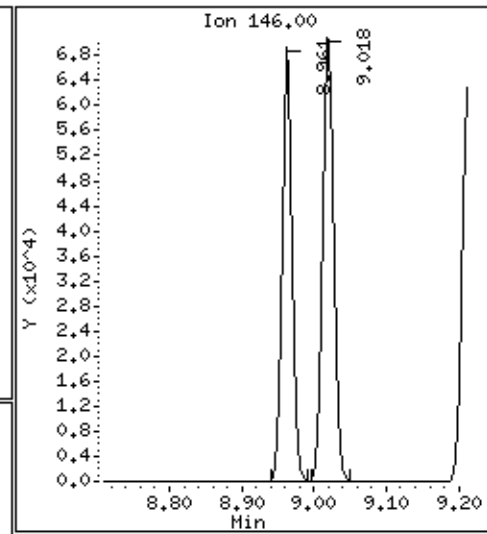
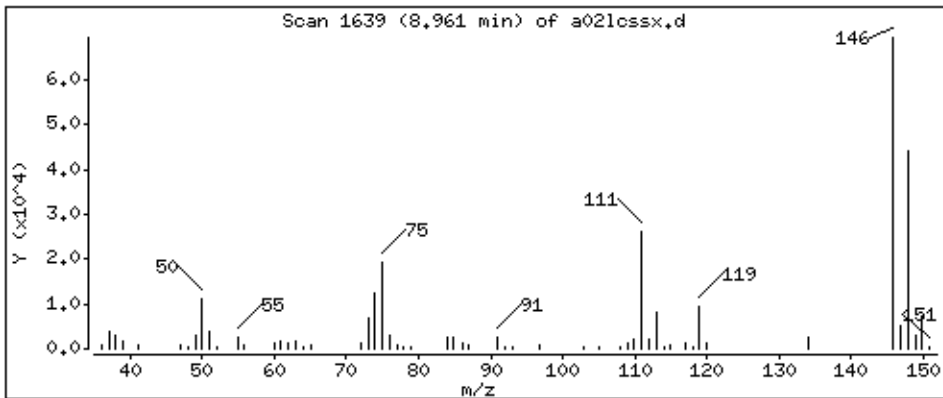
Column phase: DB-624

Column diameter: 0,18

83 1,3-Dichlorobenzene

Concentration: 41.3 ppb

Review Code:



Date : 02-JUL-2014 10:36

Client ID: MBLCS

Instrument: 50mw3a.i

Sample Info: 1122045,71089;5

Operator: jlz

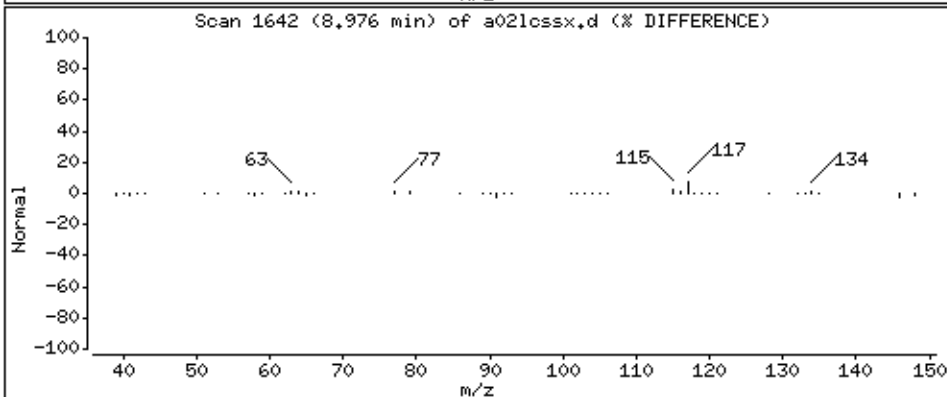
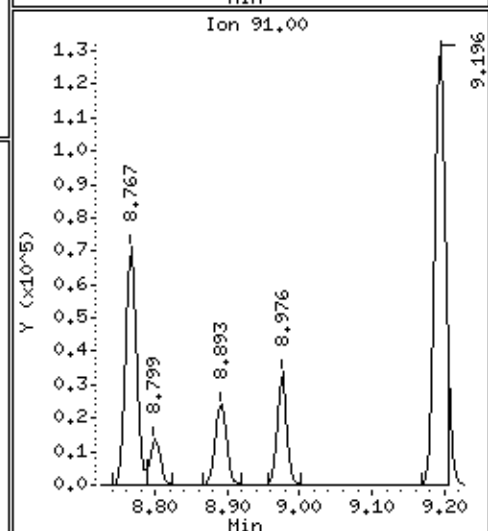
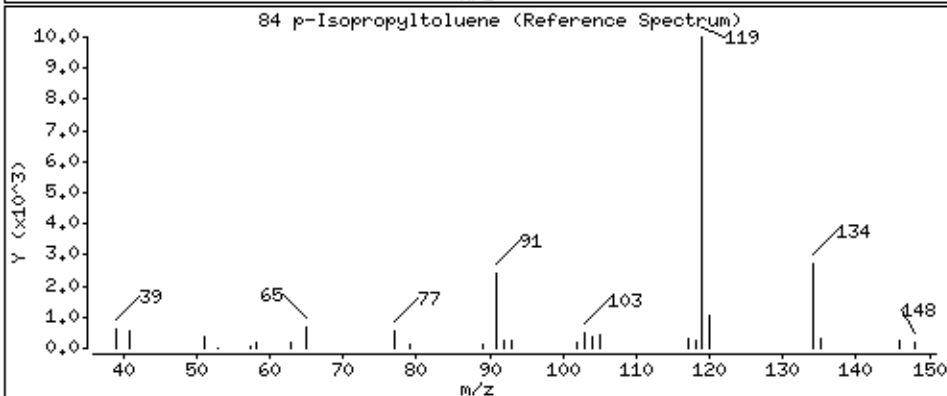
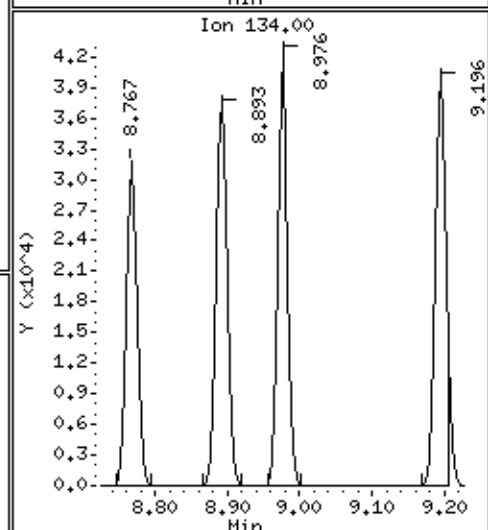
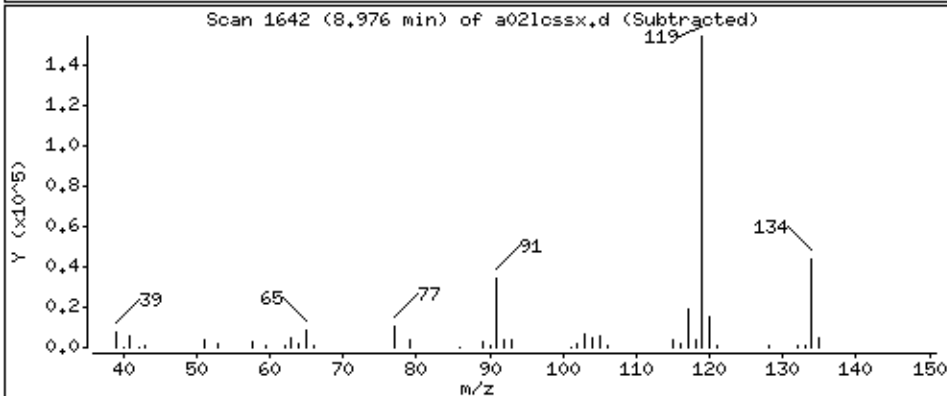
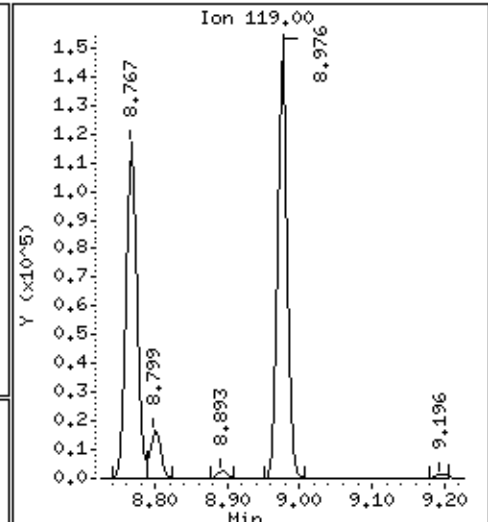
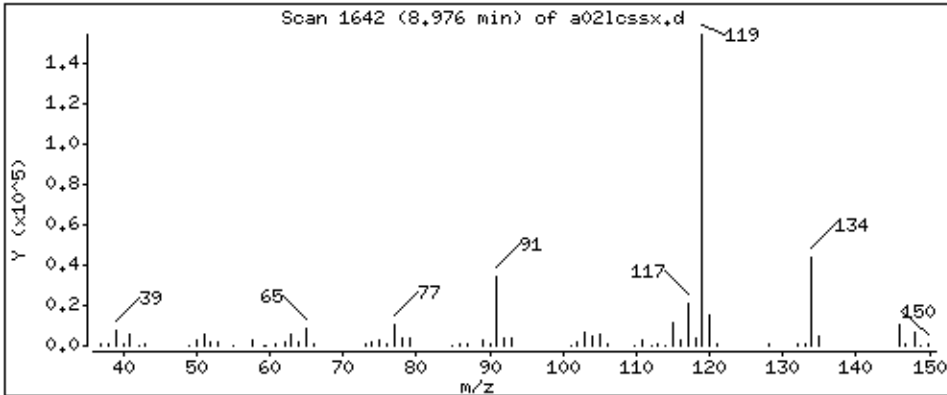
Column phase: DB-624

Column diameter: 0,18

84 p-Isopropyltoluene

Concentration: 40,4 ppb

Review Code:



Date : 02-JUL-2014 10:36

Client ID: MBLCS

Instrument: 50mv3a.i

Sample Info: 1122045,71089;5

Operator: jlz

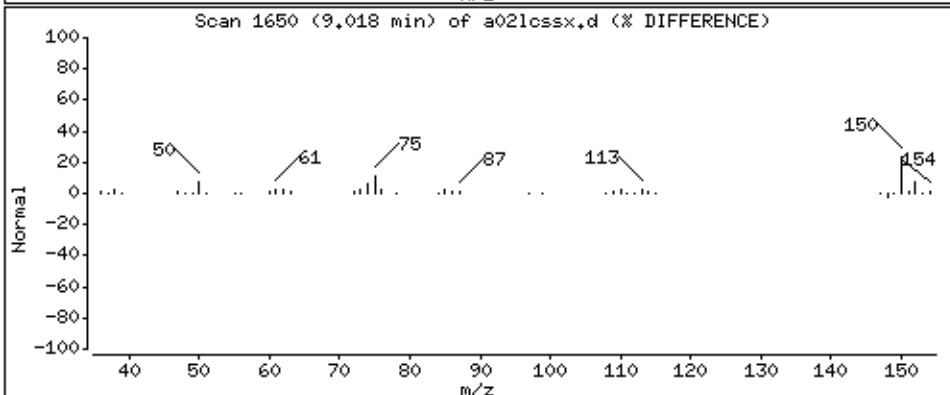
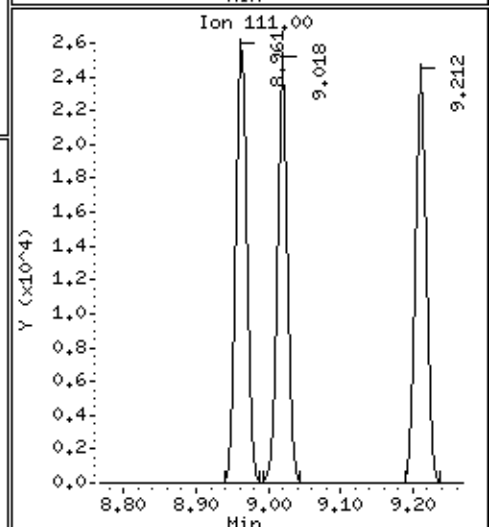
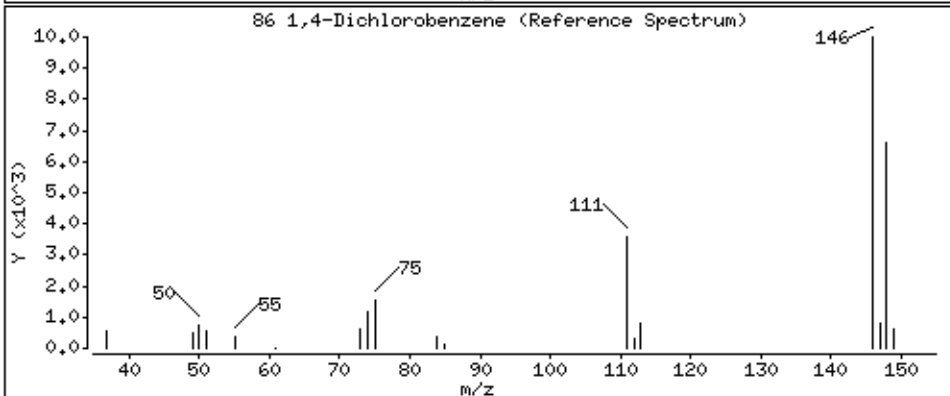
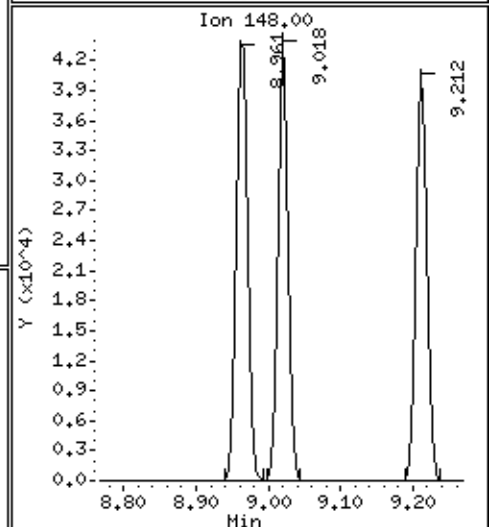
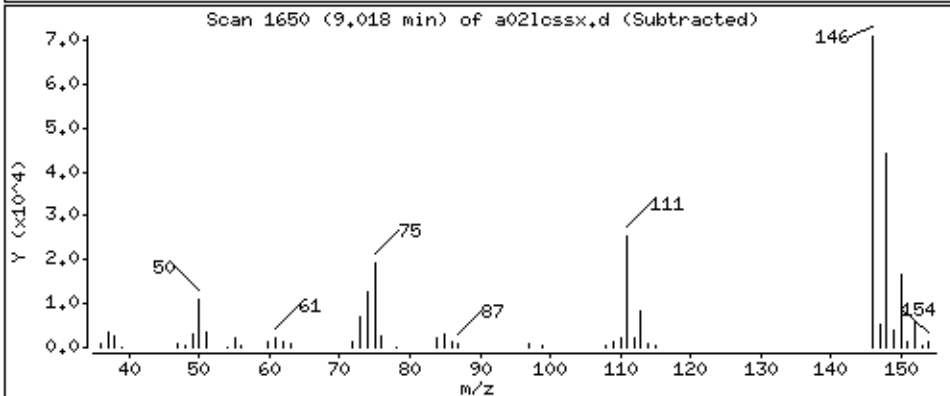
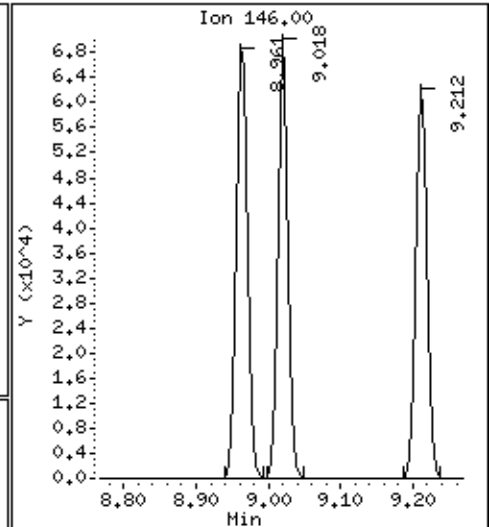
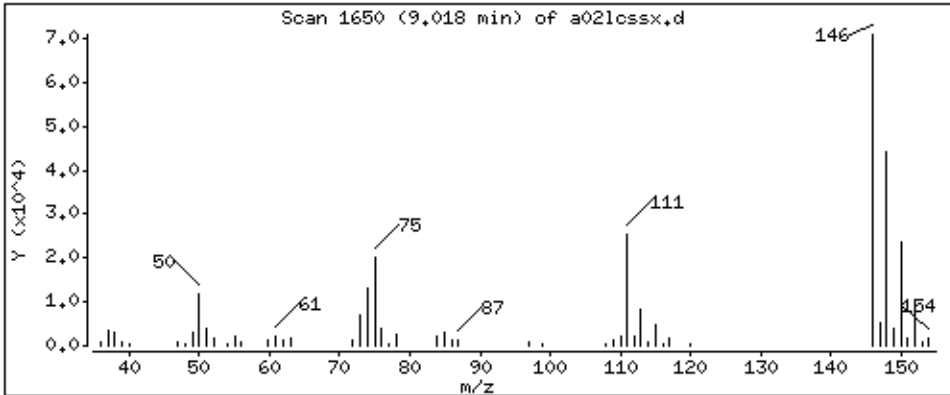
Column phase: DB-624

Column diameter: 0,18

86 1,4-Dichlorobenzene

Concentration: 41.8 ppb

Review Code:



Date : 02-JUL-2014 10:36

Client ID: MBLCS

Instrument: 50mw3a.i

Sample Info: 1122045,71089;5

Operator: jlz

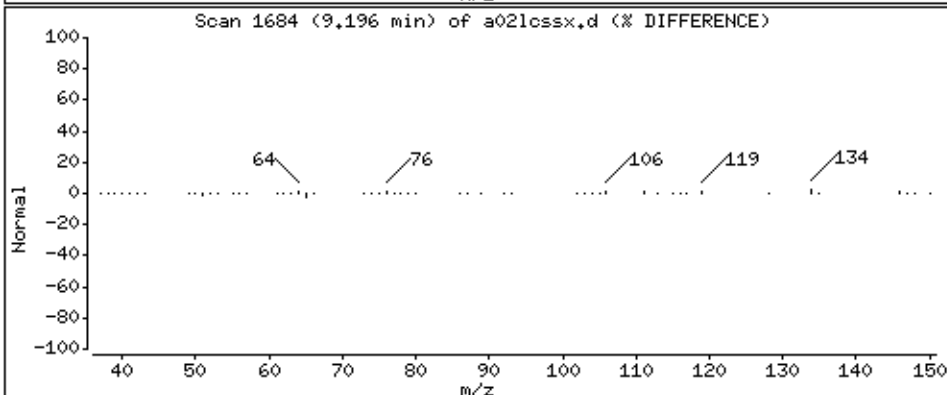
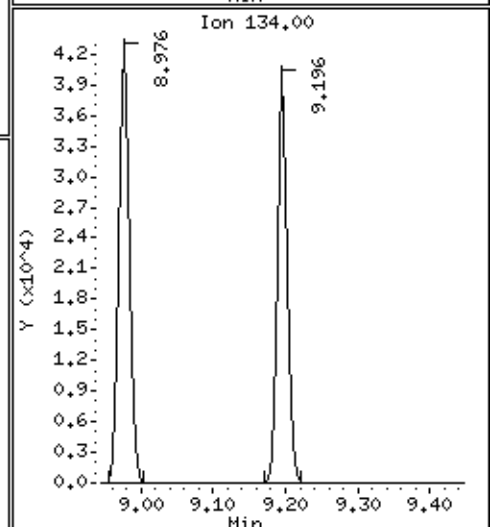
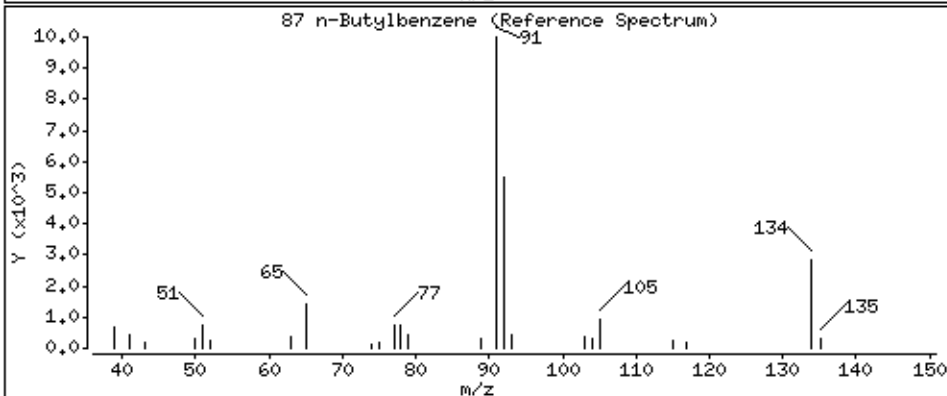
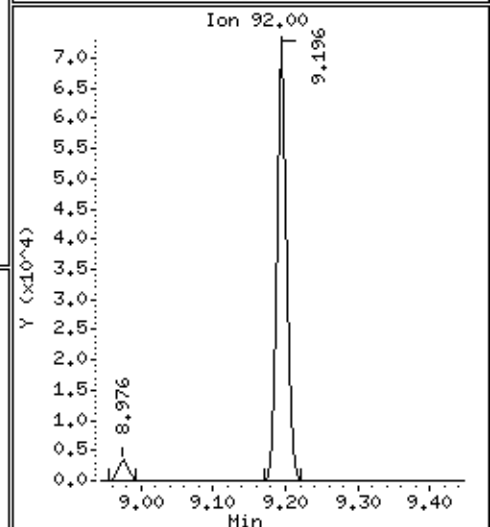
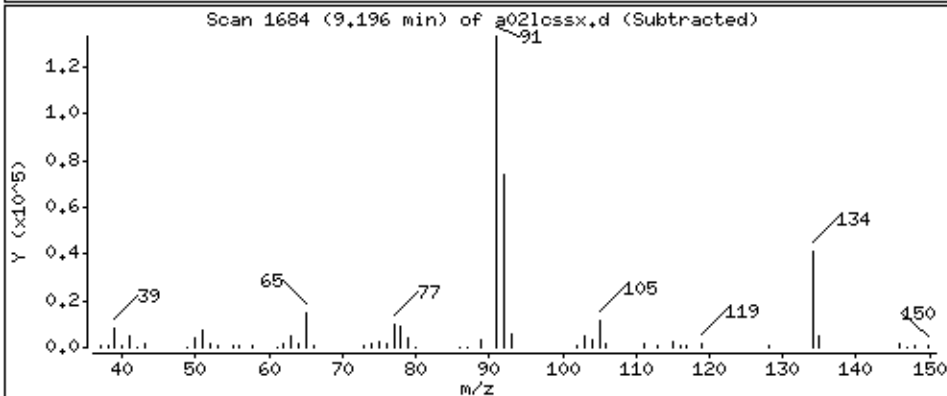
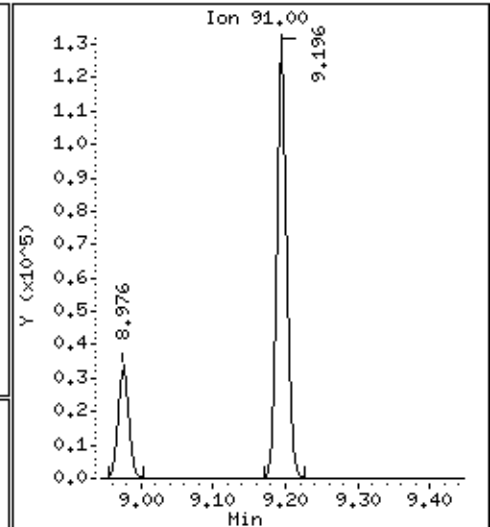
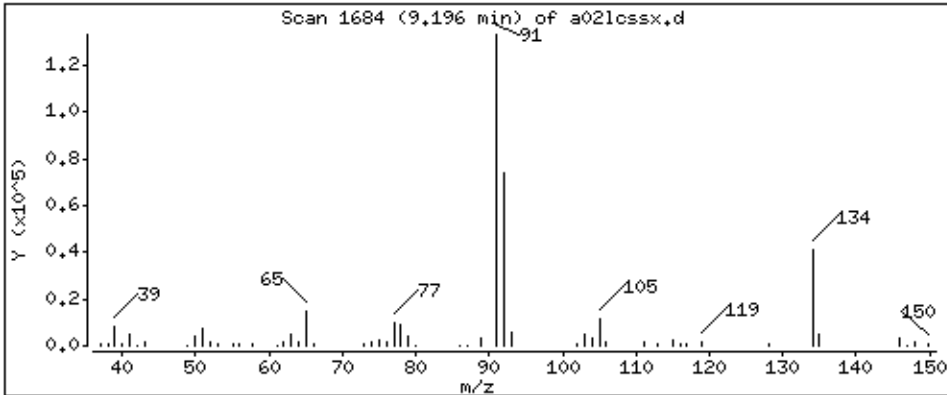
Column phase: DB-624

Column diameter: 0,18

87 n-Butylbenzene

Concentration: 40,3 ppb

Review Code:



Date : 02-JUL-2014 10:36

Client ID: MBLCS

Instrument: 50mv3a.i

Sample Info: 1122045,71089;5

Operator: jlz

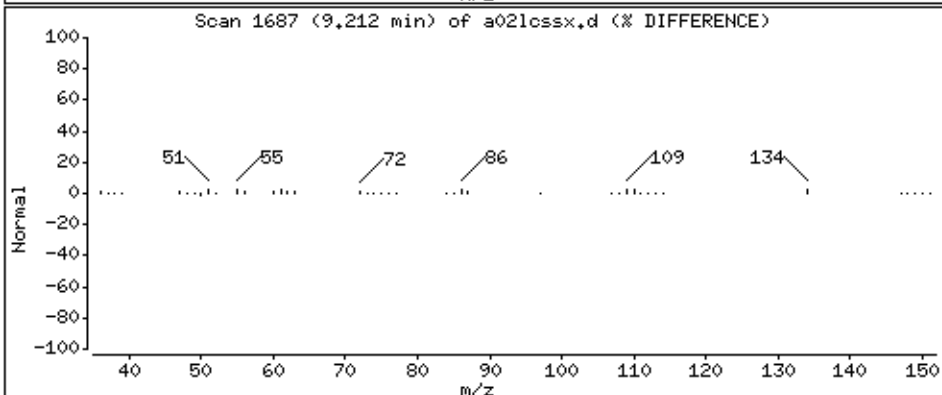
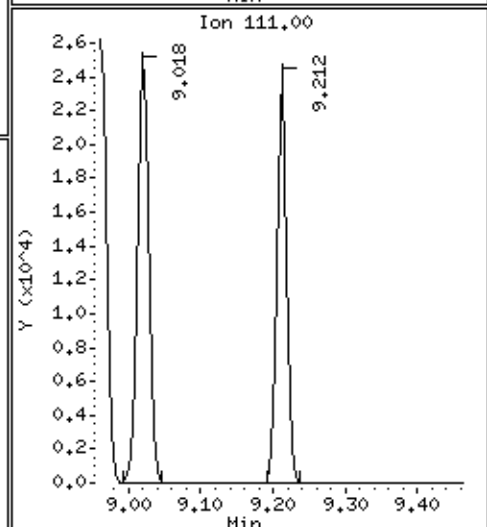
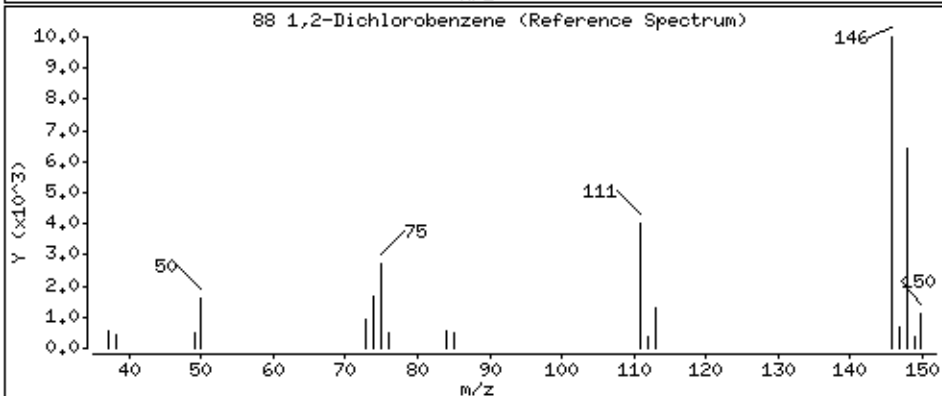
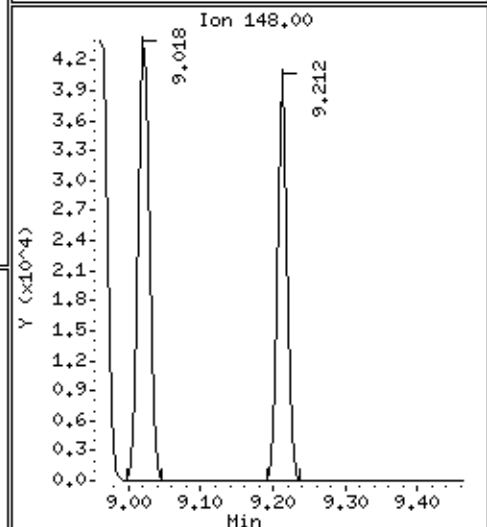
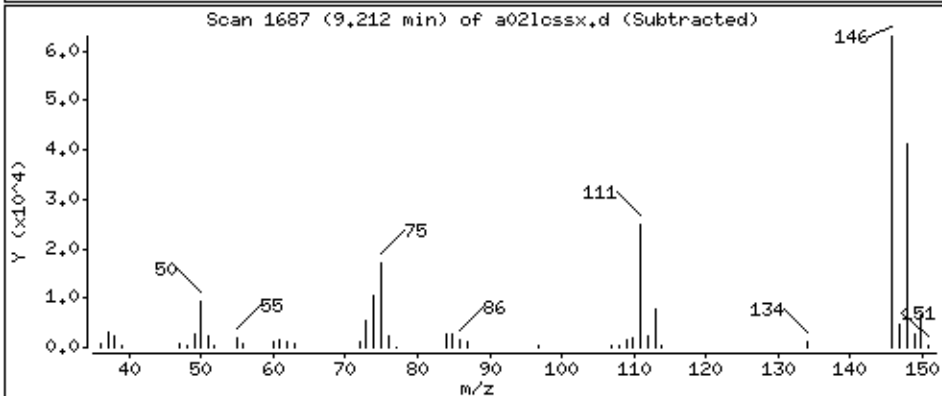
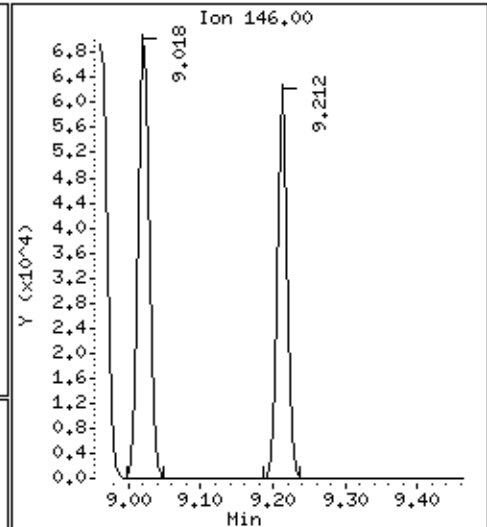
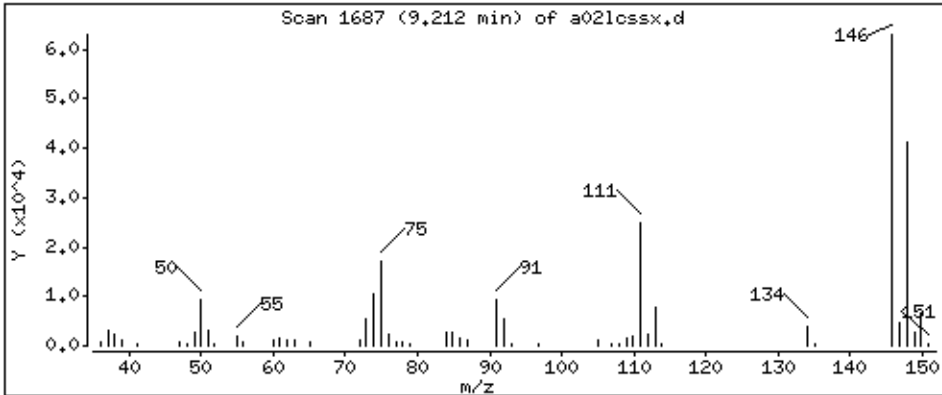
Column phase: DB-624

Column diameter: 0,18

88 1,2-Dichlorobenzene

Concentration: 41.9 ppb

Review Code:



Date : 02-JUL-2014 10:36

Client ID: MBLCS

Instrument: 50mw3a.i

Sample Info: 1122045,71089;5

Operator: jlz

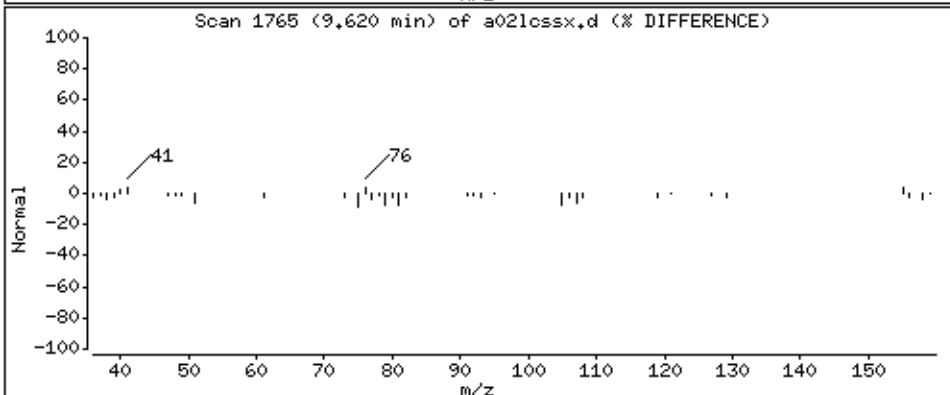
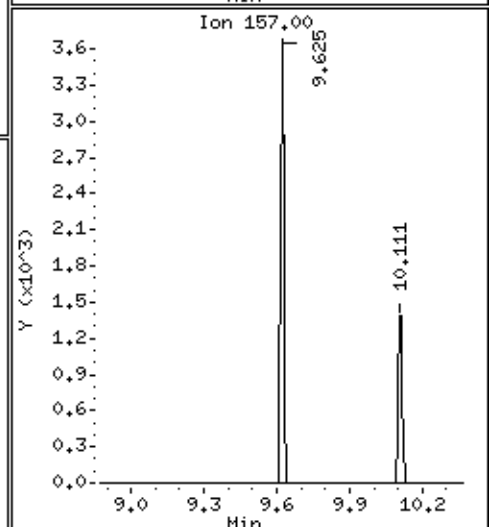
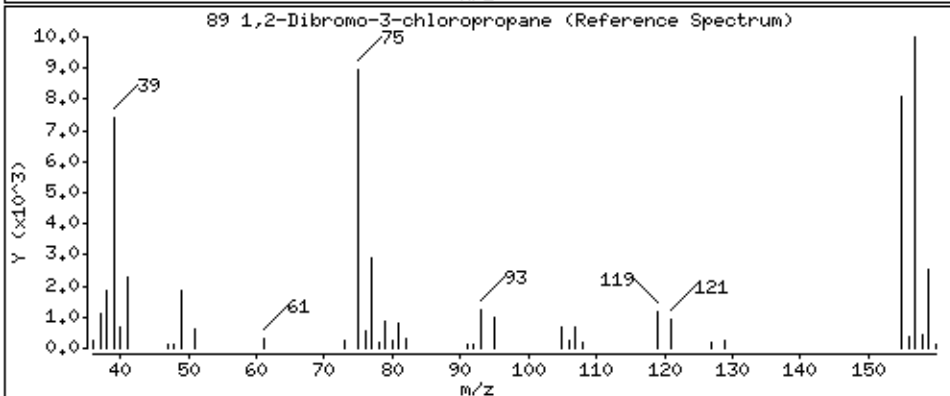
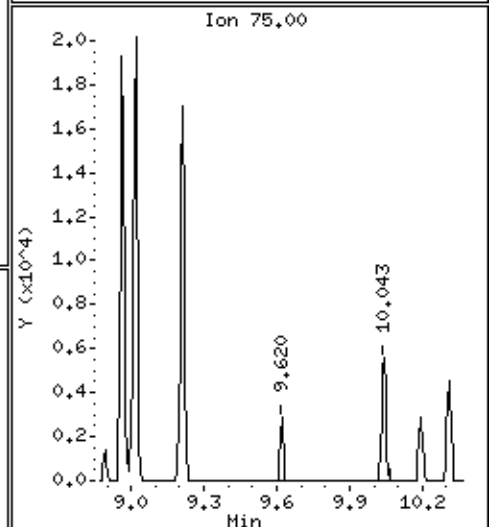
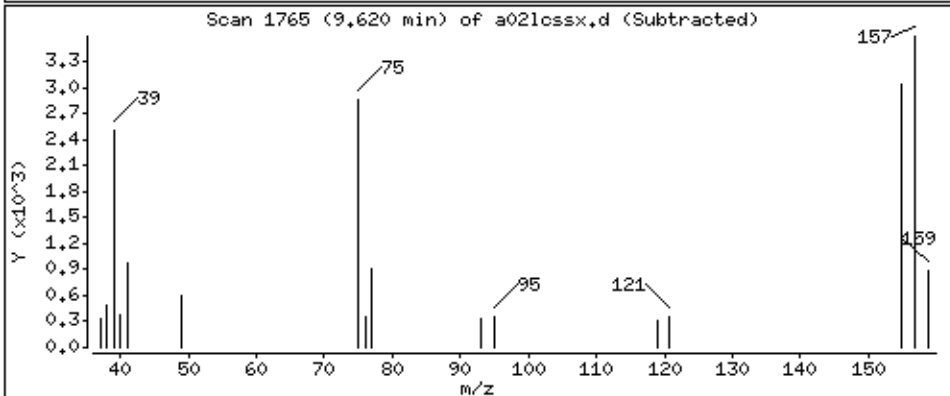
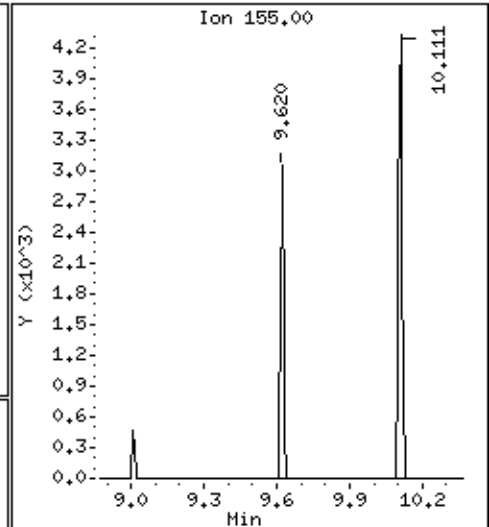
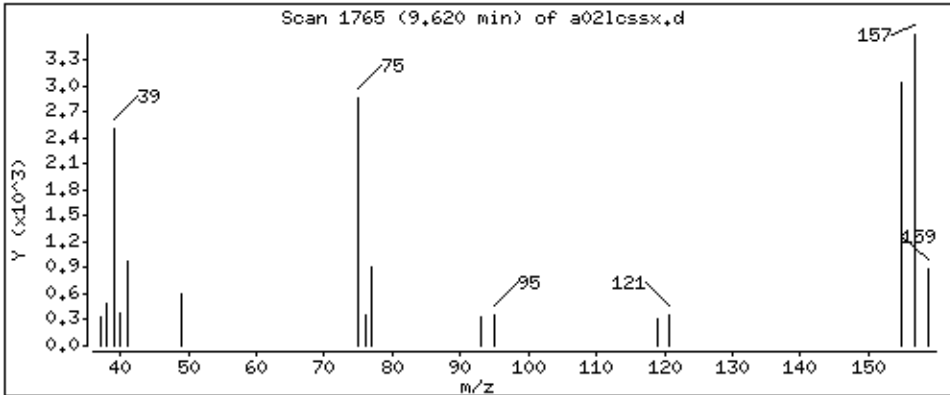
Column phase: DB-624

Column diameter: 0,18

89 1,2-Dibromo-3-chloropropane

Concentration: 28,3 ppb

Review Code:



Date : 02-JUL-2014 10:36

Client ID: MBLCS

Instrument: 50mw3a.i

Sample Info: 1122045,71089;5

Operator: jlz

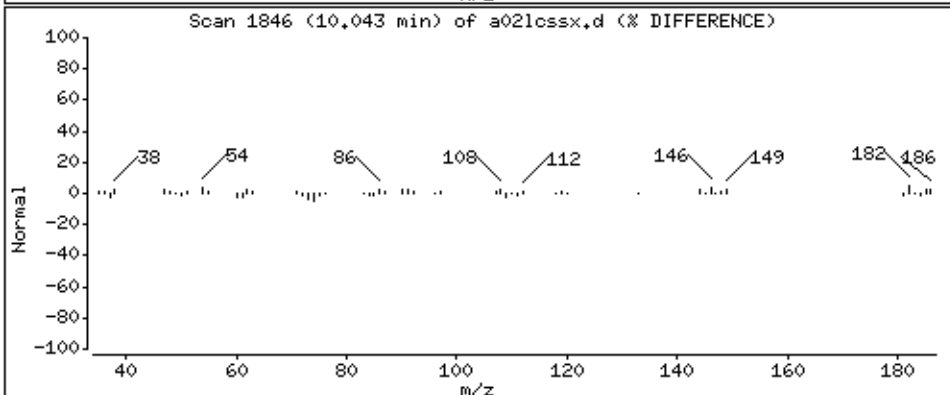
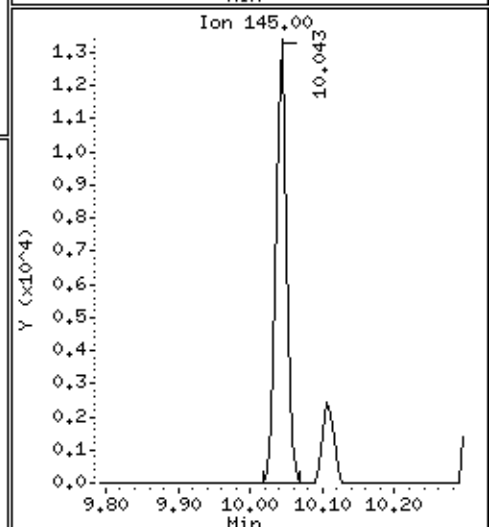
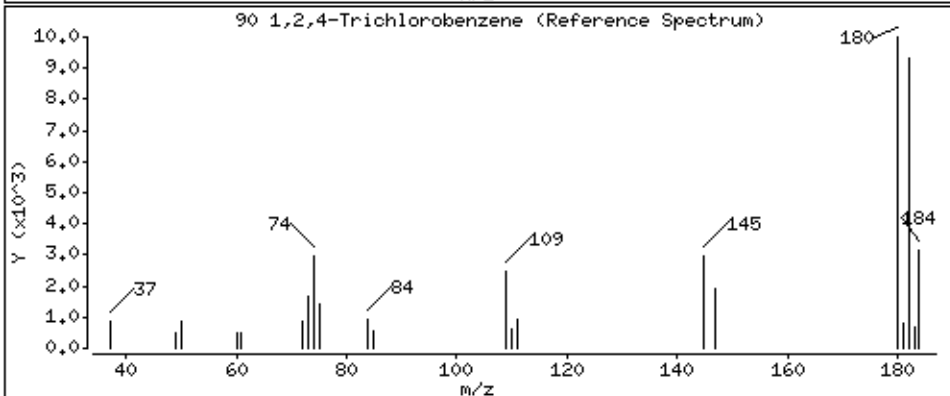
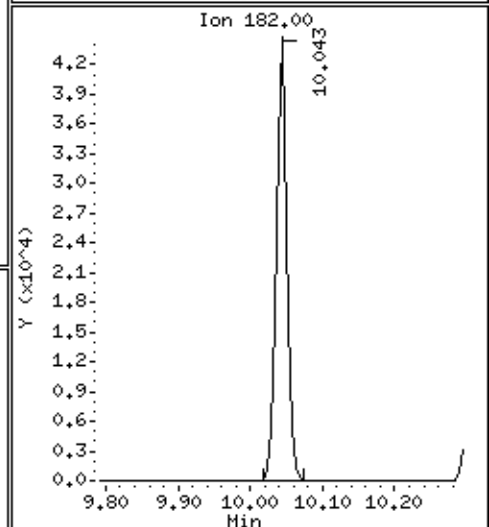
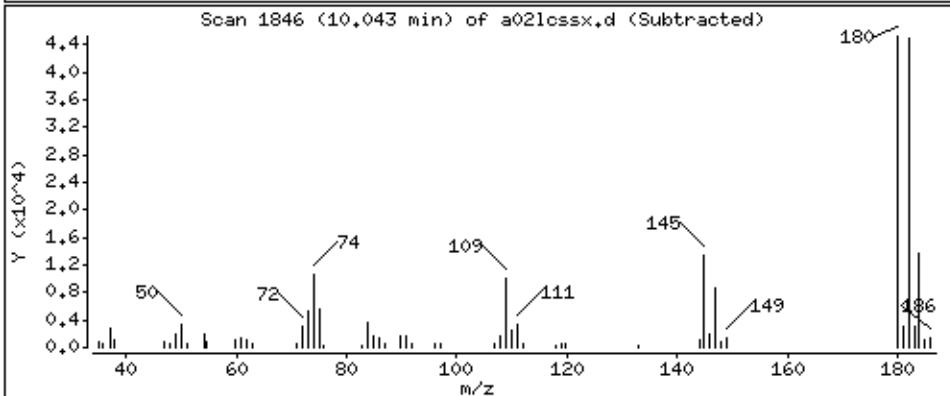
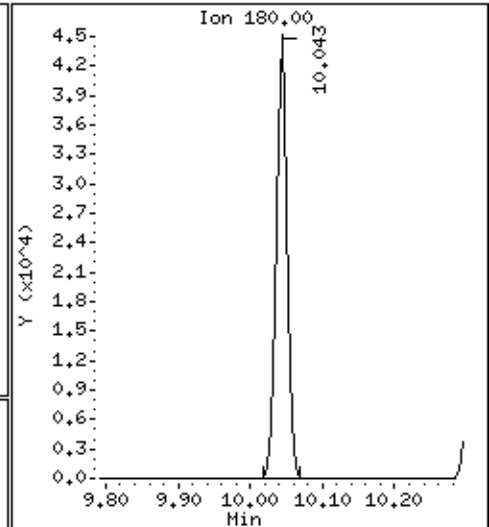
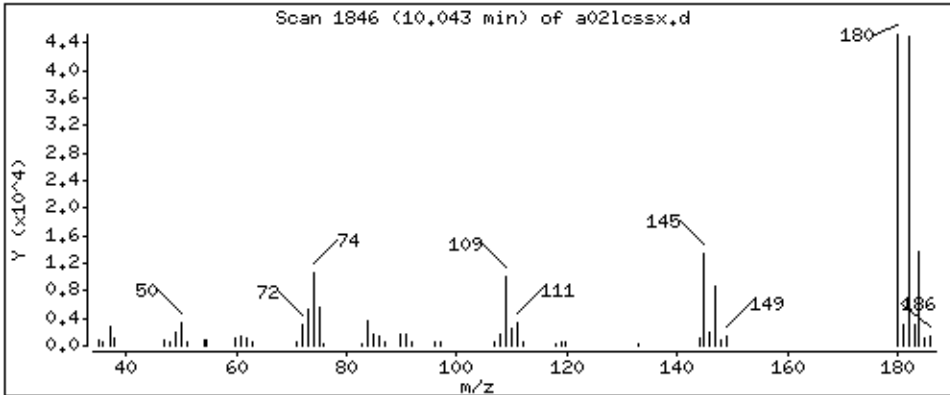
Column phase: DB-624

Column diameter: 0,18

90 1,2,4-Trichlorobenzene

Concentration: 45,4 ppb

Review Code:



Date : 02-JUL-2014 10:36

Client ID: MBLCS

Instrument: 50mv3a.i

Sample Info: 1122045,71089;5

Operator: jlz

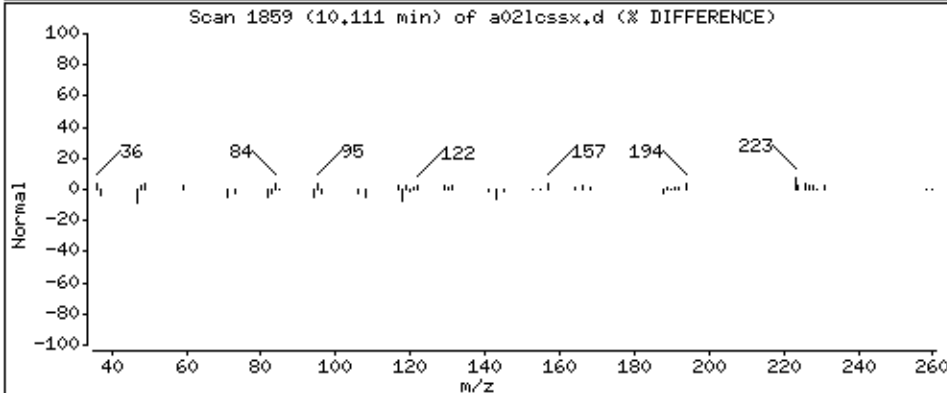
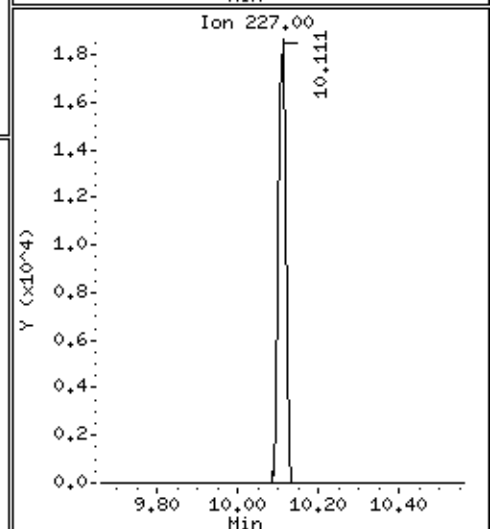
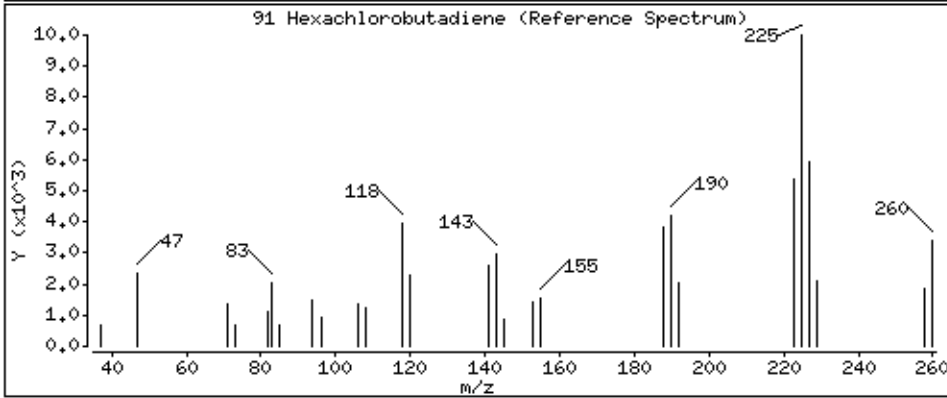
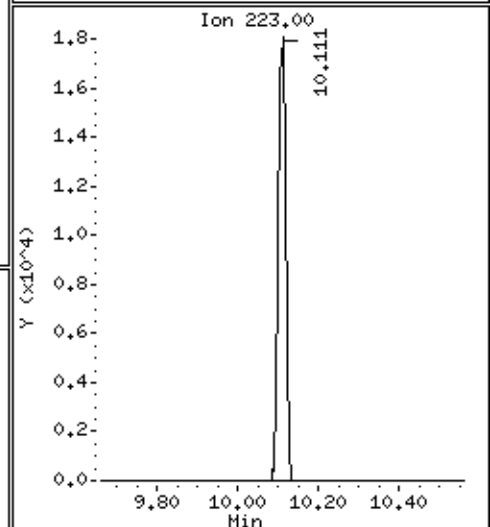
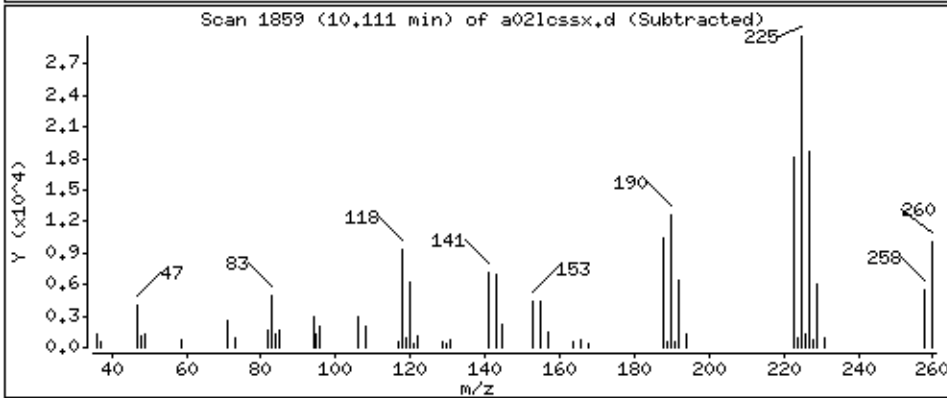
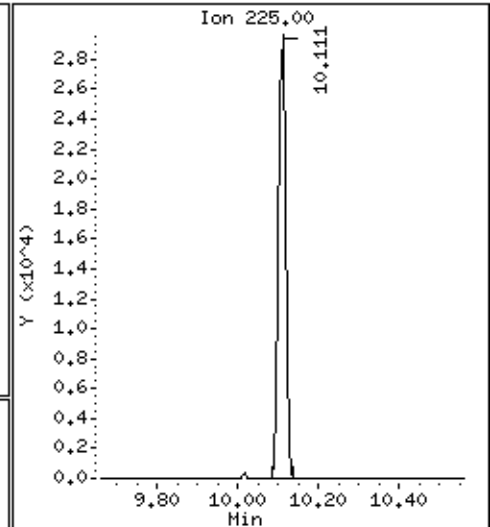
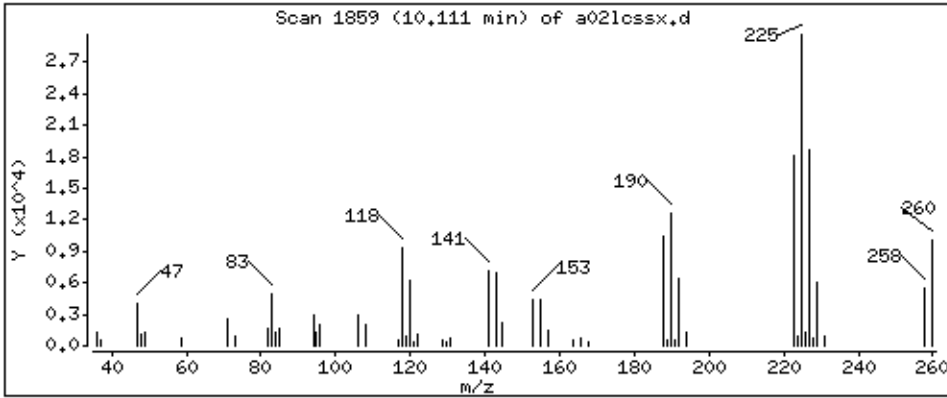
Column phase: DB-624

Column diameter: 0,18

91 Hexachlorobutadiene

Concentration: 45,4 ppb

Review Code:



Date : 02-JUL-2014 10:36

Client ID: MBLCS

Instrument: 50mw3a.i

Sample Info: 1122045,71089;5

Operator: jlz

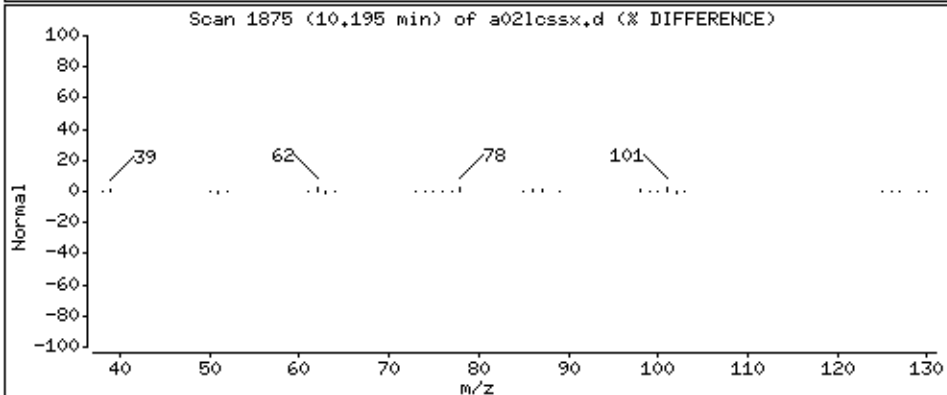
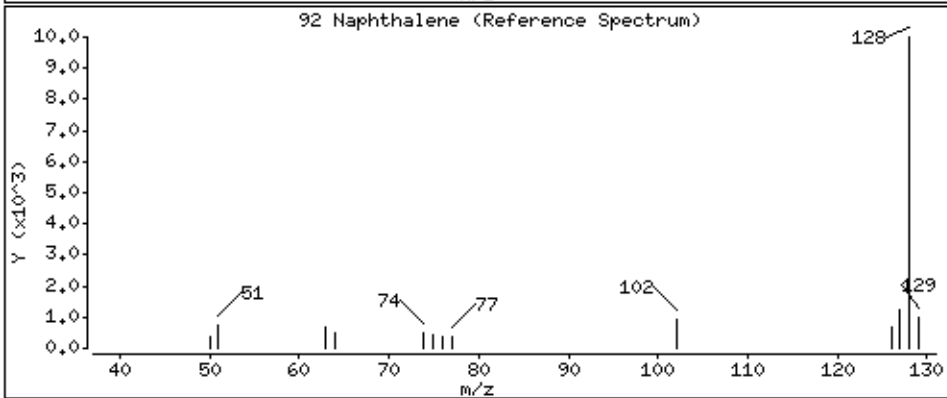
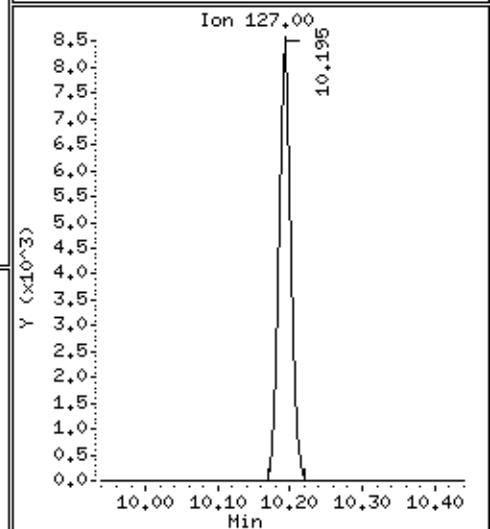
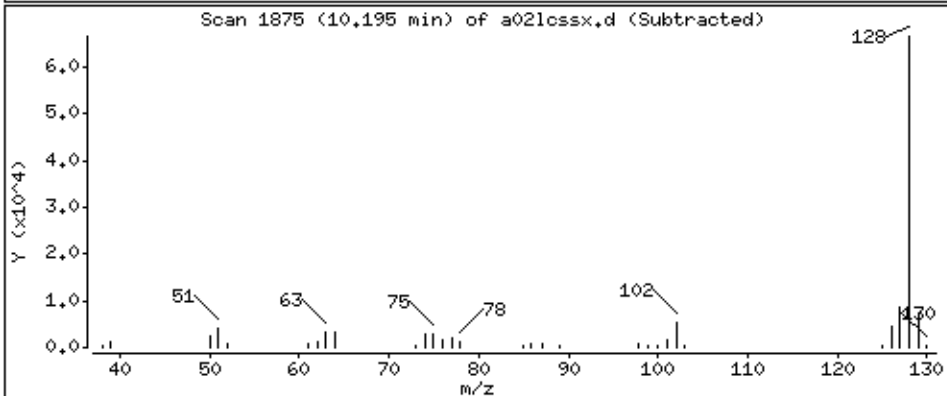
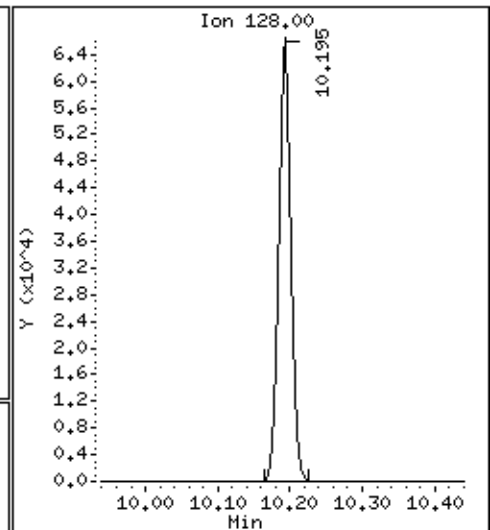
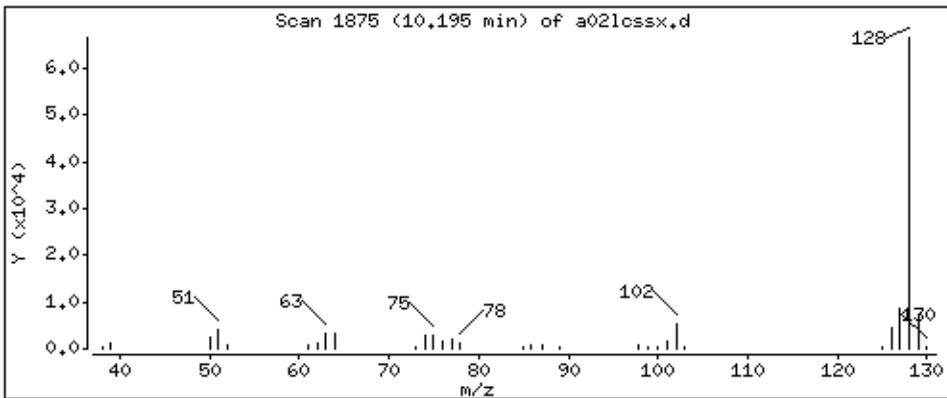
Column phase: DB-624

Column diameter: 0,18

92 Naphthalene

Concentration: 43,1 ppb

Review Code:



Date : 02-JUL-2014 10:36

Client ID: MBLCS

Instrument: 50mv3a.i

Sample Info: 1122045,71089;5

Operator: jlz

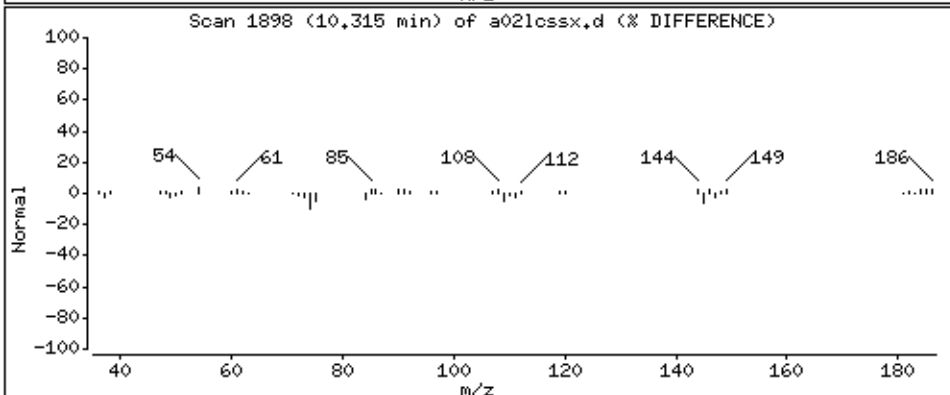
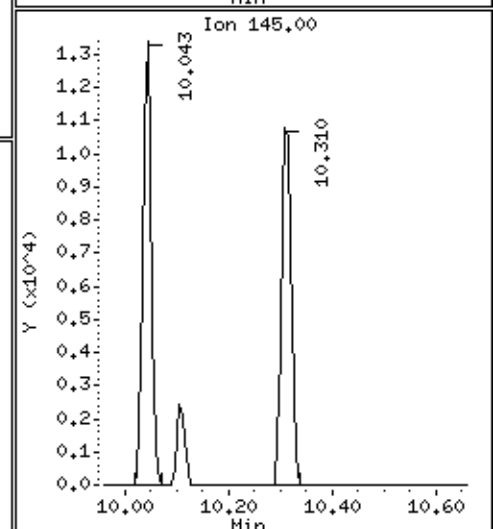
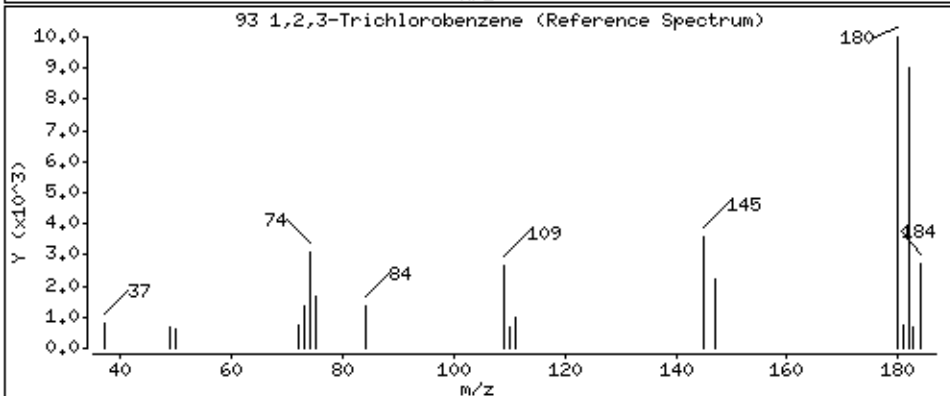
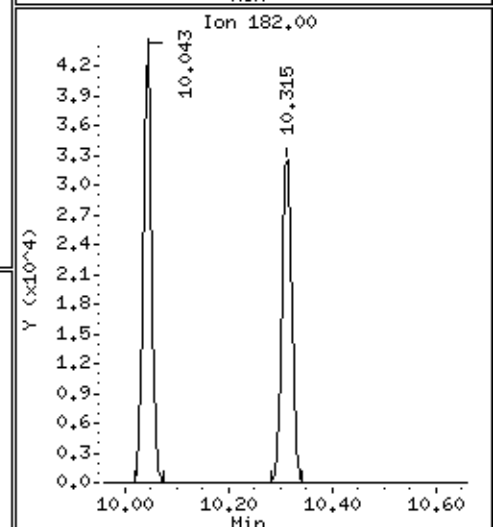
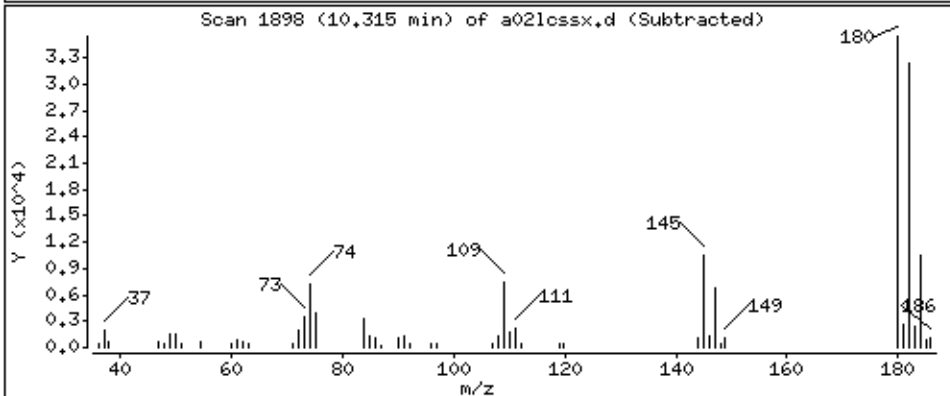
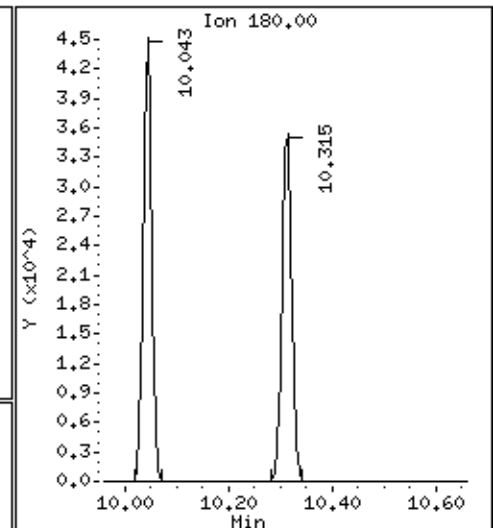
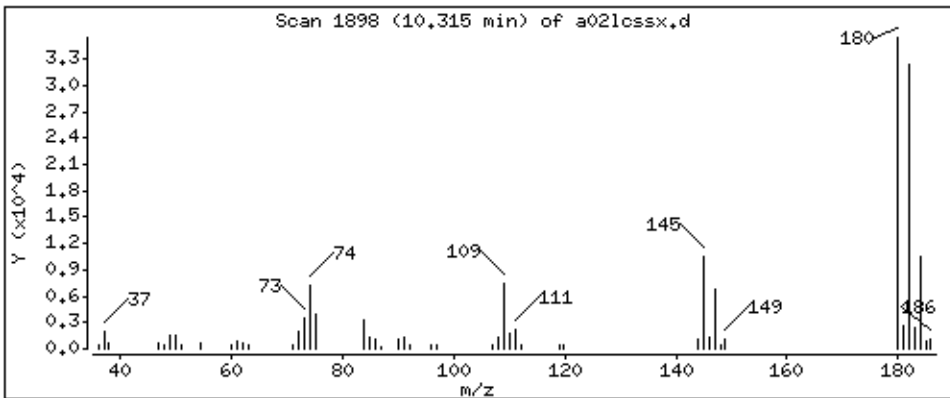
Column phase: DB-624

Column diameter: 0,18

93 1,2,3-Trichlorobenzene

Concentration: 44,8 ppb

Review Code:



Date : 02-JUL-2014 10:36

Client ID: MBLCS

Instrument: 50mw3a.i

Sample Info: 1122045,71089;5

Operator: jlz

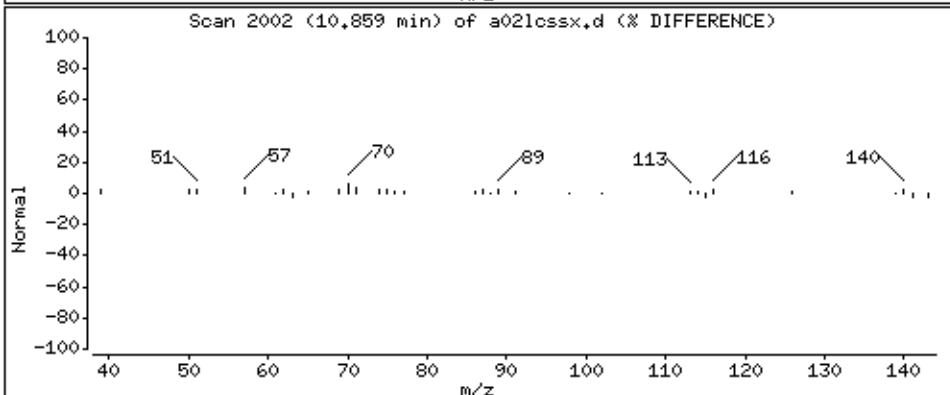
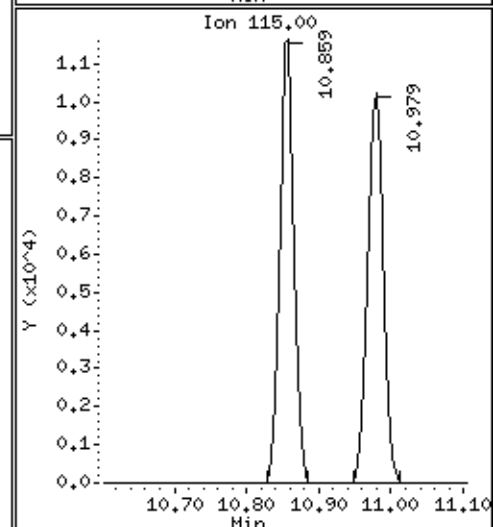
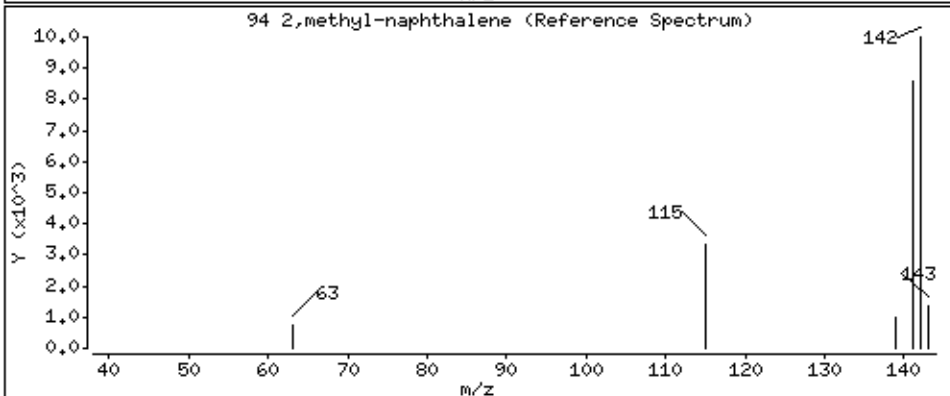
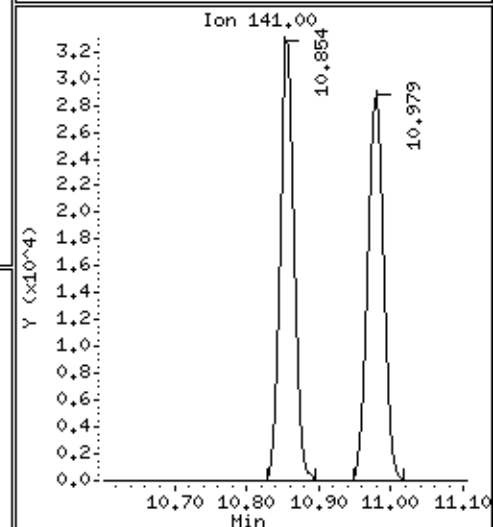
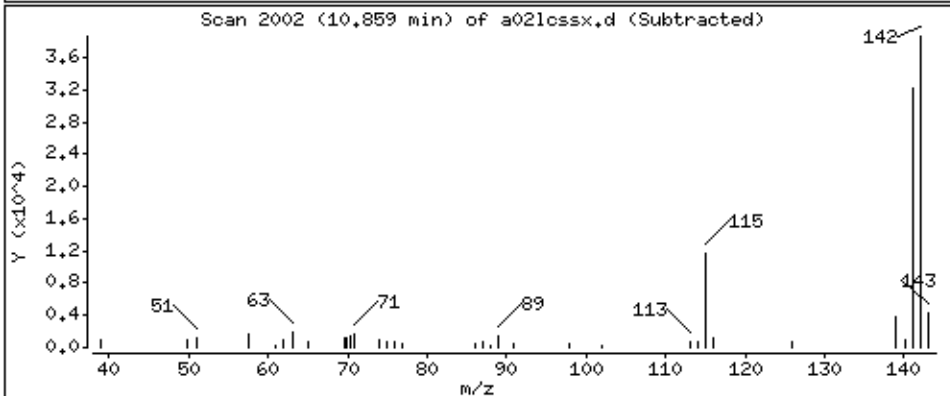
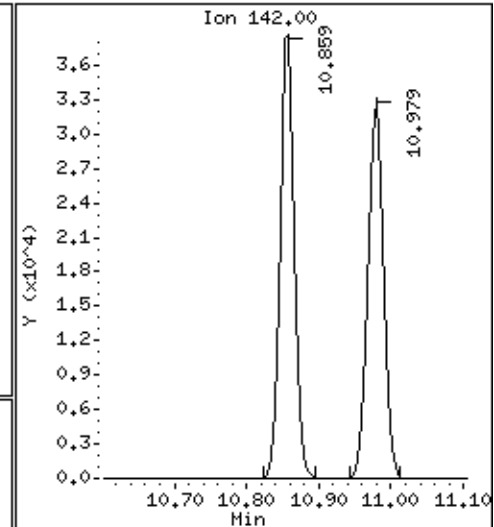
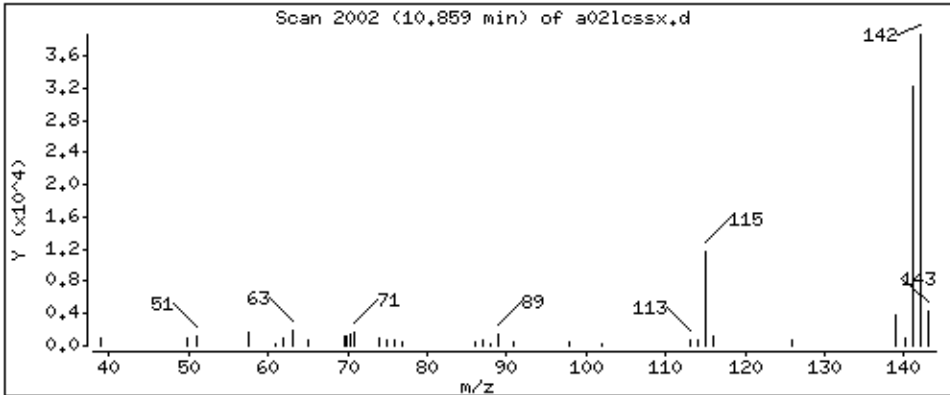
Column phase: DB-624

Column diameter: 0,18

94 2,methyl-naphthalene

Concentration: 45,6 ppb

Review Code:



Date : 02-JUL-2014 10:36

Client ID: MBLCS

Instrument: 50mw3a.i

Sample Info: 1122045,71089;5

Operator: jlz

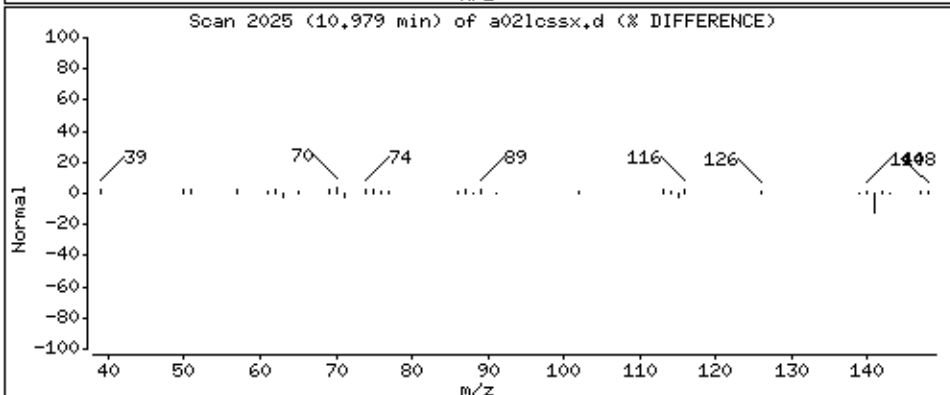
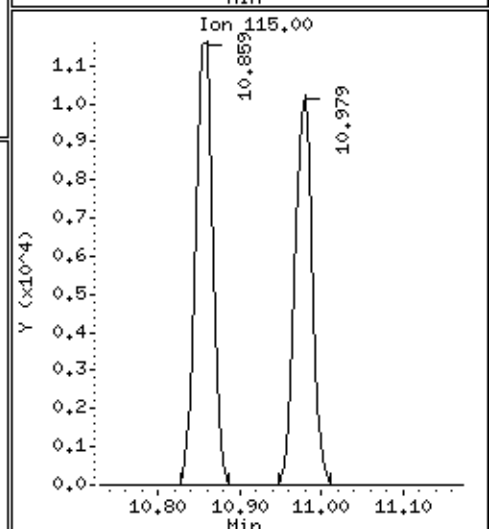
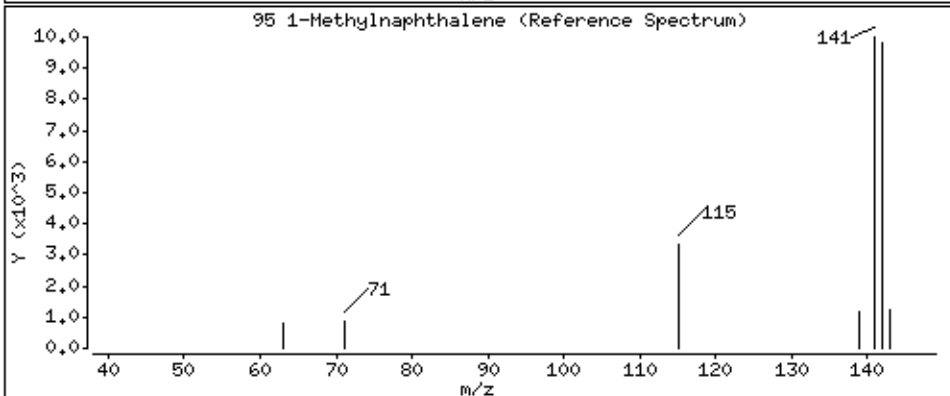
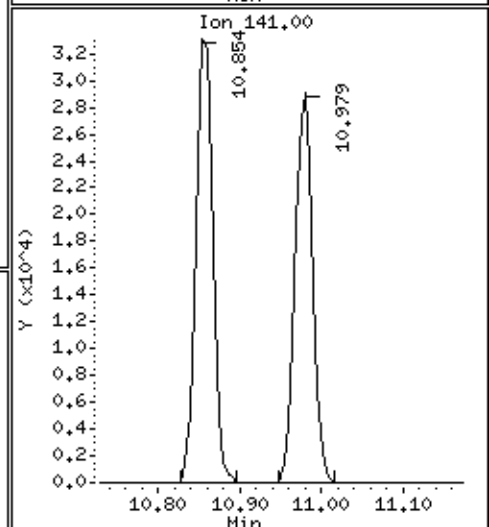
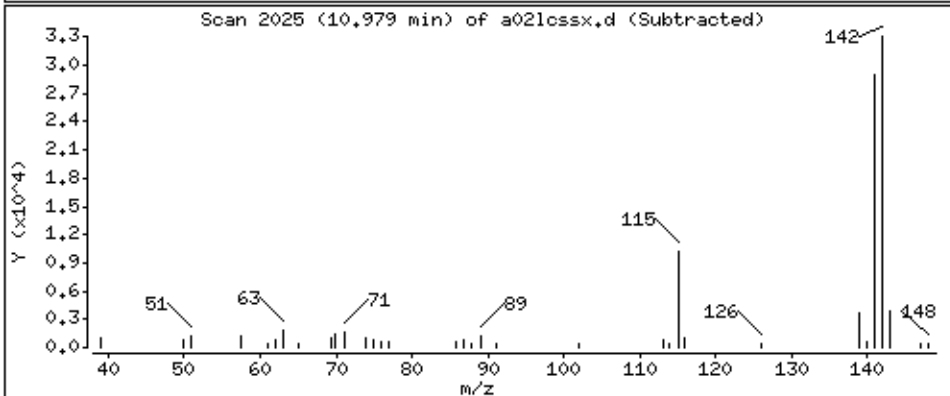
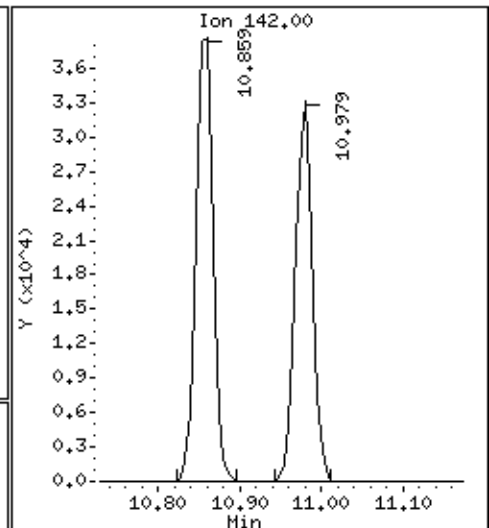
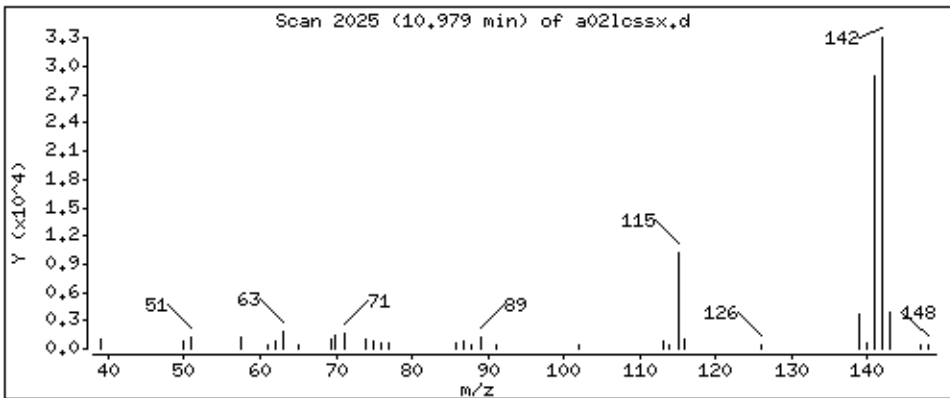
Column phase: DB-624

Column diameter: 0,18

95 1-Methylnaphthalene

Concentration: 45,6 ppb

Review Code:



Data File: \\192.168.50.6\chem\50mv3a.i\a070214.b/a021cssx.d
Injection Date: 02-JUL-2014 10:36
Instrument: 50mv3a.i
Lab Sample ID: 1122045
NO SIGNAL MANUAL INTEGRATIONS DONE FOR THIS DATA FILE

MSV - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

LCS

Lab Name: Pace Analytical - Indiana
Date Received: _____
Date Extracted: 07/02/2014 22:31
Date Analyzed: 07/02/2014 22:31
Initial wt/vol: 5 g Final wt/vol: 5 mL Dilution: 1

Contract: Sibley-Accucast/2339-356-03-00
Matrix: Solid SDG No.: 5099688
Lab Sample ID: 1122065
Lab File ID: A070214.B\C02LCSS.D
Instrument: 50MV3A Percent Moisture: _____

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
67-64-1	Acetone	222	
107-02-8	Acrolein	1420	
107-13-1	Acrylonitrile	904	
71-43-2	Benzene	46.9	
108-86-1	Bromobenzene	39.5	
74-97-5	Bromochloromethane	45.7	
75-27-4	Bromodichloromethane	44.8	
75-25-2	Bromoform	39.9	
74-83-9	Bromomethane	44.9	
78-93-3	2-Butanone (MEK)	215	
104-51-8	n-Butylbenzene	36.8	
135-98-8	sec-Butylbenzene	40.6	
98-06-6	tert-Butylbenzene	34.2	
75-15-0	Carbon disulfide	95.0	
56-23-5	Carbon tetrachloride	42.4	
108-90-7	Chlorobenzene	40.7	
75-00-3	Chloroethane	57.1	
67-66-3	Chloroform	42.8	
74-87-3	Chloromethane	52.2	
95-49-8	2-Chlorotoluene	39.6	
106-43-4	4-Chlorotoluene	39.8	
124-48-1	Dibromochloromethane	38.3	
106-93-4	1,2-Dibromoethane (EDB)	45.3	
74-95-3	Dibromomethane	41.1	
95-50-1	1,2-Dichlorobenzene	39.9	
541-73-1	1,3-Dichlorobenzene	38.2	
106-46-7	1,4-Dichlorobenzene	38.5	
110-57-6	trans-1,4-Dichloro-2-butene	152	
75-71-8	Dichlorodifluoromethane	36.3	
75-34-3	1,1-Dichloroethane	44.4	
107-06-2	1,2-Dichloroethane	41.5	
75-35-4	1,1-Dichloroethene	45.8	
156-59-2	cis-1,2-Dichloroethene	43.0	
156-60-5	trans-1,2-Dichloroethene	42.6	
78-87-5	1,2-Dichloropropane	46.0	
142-28-9	1,3-Dichloropropane	40.4	
594-20-7	2,2-Dichloropropane	45.8	

07/21/2014 10:54

MSV - FORM I VOA-2
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

LCS

Lab Name: Pace Analytical - Indiana
Date Received: _____
Date Extracted: 07/02/2014 22:31
Date Analyzed: 07/02/2014 22:31
Initial wt/vol: 5 g Final wt/vol: 5 mL Dilution: 1

Contract: Sibley-Accucast/2339-356-03-00
Matrix: Solid SDG No.: 5099688
Lab Sample ID: 1122065
Lab File ID: A070214.B\C02LCSS.D
Instrument: 50MV3A Percent Moisture: _____

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
563-58-6	1,1-Dichloropropene	42.0	
10061-01-5	cis-1,3-Dichloropropene	38.7	
10061-02-6	trans-1,3-Dichloropropene	39.9	
100-41-4	Ethylbenzene	42.1	
97-63-2	Ethyl methacrylate	155	
87-68-3	Hexachloro-1,3-butadiene	41.8	
110-54-3	n-Hexane	37.7	
591-78-6	2-Hexanone	215	
74-88-4	Iodomethane	90.2	J
98-82-8	Isopropylbenzene (Cumene)	43.8	
99-87-6	p-Isopropyltoluene	38.6	
75-09-2	Methylene Chloride	36.7	
108-10-1	4-Methyl-2-pentanone (MIBK)	212	
1634-04-4	Methyl-tert-butyl ether	87.5	
91-20-3	Naphthalene	40.0	
103-65-1	n-Propylbenzene	39.9	
100-42-5	Styrene	42.7	
630-20-6	1,1,1,2-Tetrachloroethane	45.6	
79-34-5	1,1,2,2-Tetrachloroethane	40.3	
127-18-4	Tetrachloroethene	40.4	
108-88-3	Toluene	40.7	
87-61-6	1,2,3-Trichlorobenzene	39.9	
120-82-1	1,2,4-Trichlorobenzene	37.4	
71-55-6	1,1,1-Trichloroethane	44.4	
79-00-5	1,1,2-Trichloroethane	41.2	
79-01-6	Trichloroethene	43.1	
75-69-4	Trichlorofluoromethane	46.2	
96-18-4	1,2,3-Trichloropropane	39.2	
95-63-6	1,2,4-Trimethylbenzene	40.2	
108-67-8	1,3,5-Trimethylbenzene	39.9	
108-05-4	Vinyl acetate	188	
75-01-4	Vinyl chloride	54.5	
1330-20-7	Xylene (Total)	126	

07/21/2014 10:54

Pace Analytical Services, Inc.

Data file : \\192.168.50.6\chem\50mv3a.i\a070214.b\c02lcss.d
 Lab Smp Id: 1122065 Client Smp ID: MBLCS
 Inj Date : 02-JUL-2014 22:31
 Operator : jlz Inst ID: 50mv3a.i
 Smp Info : 1122065,71089:5
 Misc Info : 66414
 Comment :
 Method : \\192.168.50.6\chem\50mv3a.i\a070214.b\ -a8260_a_c.m
 Meth Date : 03-Jul-2014 11:07 50mv3a.i Quant Type: ISTD
 Cal Date : 19-JUN-2014 18:33 Cal File: a08cal.d
 Als bottle: 49 QC Sample: LCS
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: most.sub
 Target Version: 4.14

Concentration Formula: Amt * DF * Uf/(Ws*(100-M)/100)) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Ws	5.000	Weight of sample extracted (g)
M	0.00000	% Moisture (not decanted)
Va	0.00000	Volume of aliquot extract added (uL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT	SIG	CONCENTRATIONS				REVIEW C	
			ON-COLUMN	FINAL				
	MASS	RT	EXP RT	REL RT	RESPONSE	(ug/L)	(ppb)	
1 Dichlorodifluoromethane	85	1.023	1.026	(0.230)	28452	36.2953	36.3	
2 Chloromethane	50	1.123	1.126	(0.252)	34835	52.2438	52.2	
3 Vinyl Chloride	62	1.139	1.136	(0.256)	35916	54.5064	54.5	
4 Bromomethane	94	1.290	1.293	(0.290)	13373	44.9461	44.9	
5 Chloroethane	64	1.343	1.345	(0.302)	21532	57.1142	57.1	
6 Trichlorofluoromethane	101	1.468	1.466	(0.330)	48196	46.1606	46.2	
9 Acrolein	56	1.677	1.675	(0.377)	54655	1421.35	1420	
11 1,1-Dichloroethene	96	1.740	1.738	(0.391)	25276	45.8116	45.8	
12 Acetone	43	1.750	1.748	(0.394)	19614	221.853	222	
13 Iodomethane	142	1.839	1.837	(0.413)	32051	90.2015	90.2	
14 Carbon Disulfide	76	1.886	1.889	(0.424)	152795	94.9652	95.0	
15 Methyl Acetate	43	1.928	1.931	(0.433)	12928	56.7846	56.8	
17 Methylene Chloride	84	2.033	2.031	(0.457)	27471	36.7019	36.7	
18 tert-Butyl Alcohol	59	2.075	2.083	(0.466)	2224	106.336	106(Q)	
19 Acrylonitrile	53	2.174	2.177	(0.489)	99297	903.724	904	
20 Methyl-tert-butyl ether	73	2.205	2.203	(0.496)	111889	87.5421	87.5	
21 1,2-Dichloroethene (trans)	96	2.216	2.219	(0.498)	27193	42.6344	42.6	
22 n-Hexane	57	2.415	2.418	(0.543)	41362	37.6797	37.7	
24 1,1-Dichloroethane	63	2.545	2.548	(0.572)	48439	44.4157	44.4	
23 Vinyl Acetate	43	2.535	2.538	(0.570)	145533	188.151	188	
25 2-Butanone	43	3.042	3.045	(0.684)	30968	214.578	214	

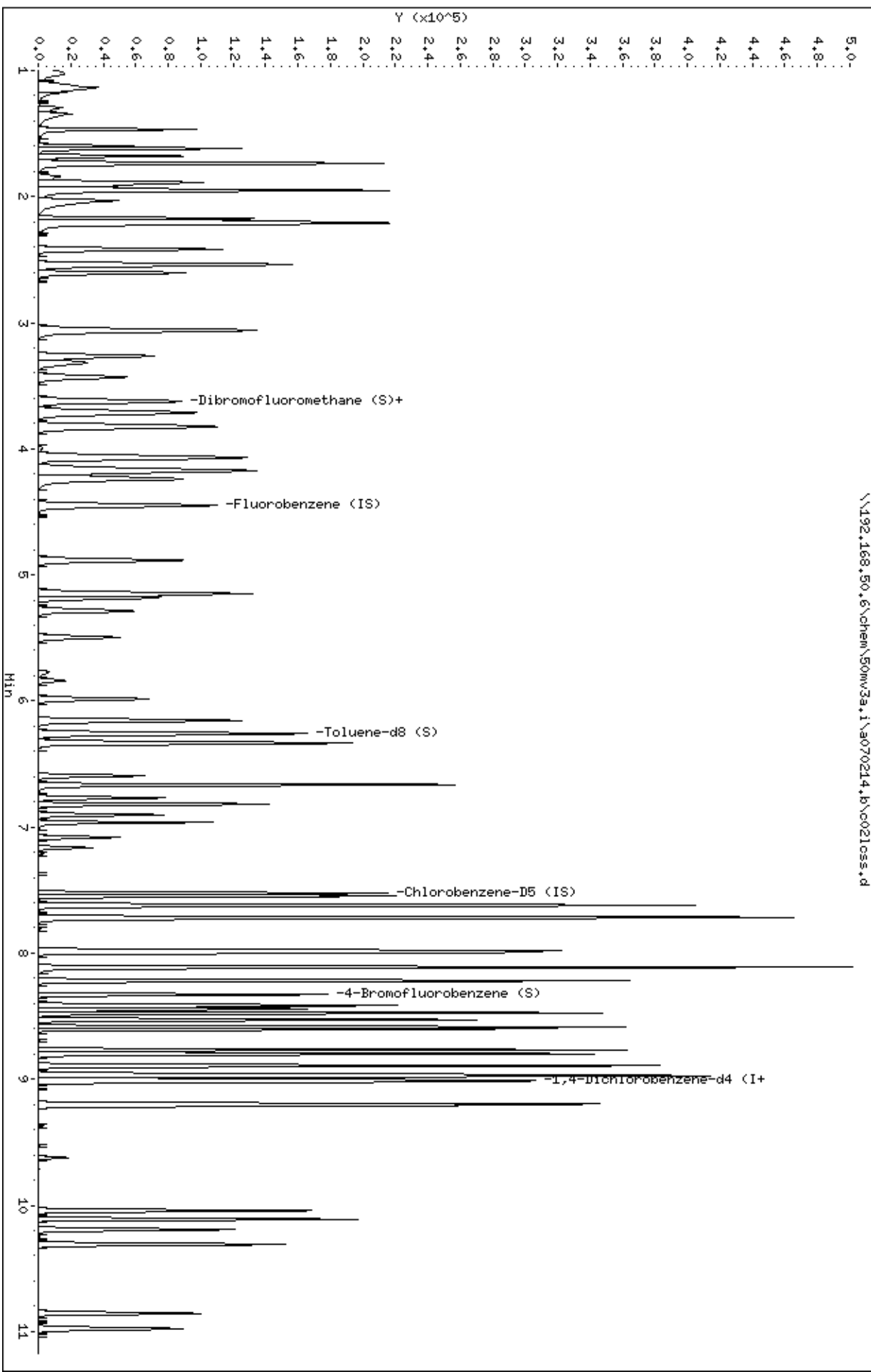
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS		REVIEW C
						ON-COLUMN (ug/L)	FINAL (ppb)	
26 1,2-Dichloroethene (cis)	96	3.058	3.061	(0.687)	27857	43.0027	43.0	
27 2,2-Dichloropropane	77	3.068	3.066	(0.690)	36431	45.7528	45.8	
29 Bromochloromethane	49	3.314	3.312	(0.745)	15034	45.7359	45.7	
31 Chloroform	83	3.435	3.432	(0.772)	45333	42.7595	42.8	
\$ 32 Dibromofluoromethane (S)	113	3.618	3.626	(0.813)	22747	48.3506	48.4	
33 1,1,1-Trichloroethane	97	3.623	3.626	(0.814)	41748	44.4094	44.4	
34 Cyclohexane	56	3.712	3.715	(0.834)	51771	47.2053	47.2	
35 Carbon Tetrachloride	117	3.822	3.819	(0.859)	33036	42.3906	42.4	
36 1,1-Dichloropropene	75	3.827	3.830	(0.860)	39475	41.9672	42.0	
37 Benzene	78	4.073	4.070	(0.915)	110011	46.9083	46.9	
38 1,2-Dichloroethane	62	4.151	4.149	(0.933)	27833	41.5360	41.5	
40 2,2,4-Trimethylpentane	57	4.240	4.238	(0.953)	102727	38.4508	38.4	
* 41 Fluorobenzene (IS)	96	4.449	4.452	(1.000)	101196	50.0000		
42 Trichloroethene	95	4.883	4.886	(1.098)	27604	43.0943	43.1	
43 Methylcyclohexane	55	5.150	5.148	(1.158)	41532	44.6542	44.6	
44 1,2-Dichloropropane	63	5.187	5.184	(1.166)	24772	45.9840	46.0	
45 Dibromomethane	93	5.281	5.278	(1.187)	9733	41.1337	41.1	
46 1,4-Dioxane	88	5.281	5.289	(1.187)	2963	858.014	858	
47 Methyl methacrylate	69	5.291	5.289	(1.189)	10957	42.8012	42.8	
48 Bromodichloromethane	83	5.495	5.498	(1.235)	30550	44.7703	44.8	
49 2-Chloroethyl vinyl ether	63	5.840	5.838	(0.776)	6722	43.7016	43.7	
50 cis-1,3-Dichloropropene	75	5.987	5.985	(0.796)	34594	38.7475	38.7	
51 4-Methyl-2-Pentanone	43	6.154	6.152	(0.818)	77353	212.350	212	
\$ 52 Toluene-d8 (S)	98	6.259	6.256	(0.832)	100310	47.0480	47.0	
53 Toluene	91	6.332	6.330	(0.842)	124125	40.6915	40.7	
54 trans-1,3-Dichloropropene	75	6.594	6.591	(0.876)	26657	39.8660	39.9	
55 Ethyl Methacrylate	69	6.667	6.664	(0.886)	97890	154.866	155	
56 1,1,2-Trichloroethane	83	6.766	6.769	(0.899)	14082	41.2268	41.2	
57 Tetrachloroethene	166	6.818	6.821	(0.906)	35252	40.4039	40.4	
58 1,3-Dichloropropane	76	6.902	6.905	(0.917)	31182	40.4230	40.4	
59 2-Hexanone	43	6.965	6.963	(0.926)	53422	214.515	214	
60 Dibromochloromethane	129	7.080	7.083	(0.941)	19274	38.2799	38.3	
61 1,2-Dibromoethane	107	7.164	7.161	(0.952)	16492	45.2924	45.3	
* 62 Chlorobenzene-D5 (IS)	117	7.525	7.522	(1.000)	80280	50.0000		
63 Chlorobenzene	112	7.545	7.543	(1.003)	78109	40.7444	40.7	
64 1,1,1,2-Tetrachloroethane	131	7.619	7.616	(1.013)	26010	45.5742	45.6	
65 Ethylbenzene	106	7.624	7.622	(1.013)	48151	42.1423	42.1	
66 m&p-Xylene	106	7.718	7.716	(1.026)	115743	83.1293	83.1	
67 o-Xylene	106	7.980	7.977	(1.060)	55567	42.6901	42.7	
68 Styrene	104	7.995	7.993	(1.063)	91648	42.6545	42.6	
69 Bromoform	173	8.116	8.113	(0.901)	11834	39.8635	39.9	
70 Isopropylbenzene	105	8.220	8.218	(1.092)	159933	43.8118	43.8	
\$ 71 4-Bromofluorobenzene (S)	95	8.330	8.328	(1.107)	37528	50.1314	50.1	
72 Bromobenzene	77	8.414	8.411	(1.118)	48989	39.4910	39.5	
73 1,1,2,2-Tetrachloroethane	83	8.419	8.417	(0.935)	20610	40.3275	40.3	
74 trans-1,4-Dichloro-2-butene	53	8.440	8.437	(1.122)	20047	151.809	152 (Q)	
75 1,2,3-Trichloropropane	110	8.450	8.448	(0.938)	6685	39.2484	39.2 (Q)	
76 n-Propylbenzene	91	8.476	8.474	(0.941)	179250	39.9375	39.9	
77 2-Chlorotoluene	91	8.529	8.526	(0.947)	99568	39.6218	39.6	
78 1,3,5-Trimethylbenzene	105	8.586	8.584	(0.954)	131680	39.8600	39.8	
79 4-Chlorotoluene	126	8.602	8.600	(0.955)	34764	39.8273	39.8	
80 tert-Butylbenzene	119	8.764	8.767	(0.973)	121425	34.1771	34.2	
81 1,2,4-Trimethylbenzene	105	8.801	8.798	(0.977)	132417	40.1804	40.2	
82 sec-Butylbenzene	105	8.890	8.892	(0.987)	178778	40.5833	40.6	

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS		REVIEW C
						ON-COLUMN (ug/L)	FINAL (ppb)	
83 1,3-Dichlorobenzene	146	8.963	8.960	(0.995)	68821	38.2480	38.2	
84 p-Isopropyltoluene	119	8.973	8.976	(0.997)	147972	38.6073	38.6	
* 85 1,4-Dichlorobenzene-d4 (IS)	152	9.005	9.008	(1.000)	45481	50.0000		
86 1,4-Dichlorobenzene	146	9.020	9.018	(1.002)	69049	38.4720	38.5	
87 n-Butylbenzene	91	9.193	9.196	(1.021)	126985	36.8065	36.8	
88 1,2-Dichlorobenzene	146	9.214	9.211	(1.023)	63324	39.8503	39.8	
89 1,2-Dibromo-3-chloropropane	155	9.622	9.619	(1.069)	3018	27.2159	27.2 (R)	
90 1,2,4-Trichlorobenzene	180	10.045	10.043	(1.116)	42829	37.4061	37.4	
91 Hexachlorobutadiene	225	10.108	10.111	(1.123)	30321	41.8337	41.8	
92 Naphthalene	128	10.192	10.190	(1.132)	79024	39.9769	40.0	
93 1,2,3-Trichlorobenzene	180	10.312	10.310	(1.145)	40983	39.8803	39.9	
94 2,methyl-naphthalene	142	10.856	10.854	(1.206)	46538	37.5329	37.5	
95 1-Methylnaphthalene	142	10.976	10.979	(1.219)	43116	40.6384	40.6	

QC Flag Legend

- Q - Qualifier signal failed the ratio test.
- R - Spike/Surrogate failed recovery limits.

\\192.168.50.6\chem\50mw3a.1\9070214.b\0021oss.d



Date : 02-JUL-2014 22:31

Client ID: MBLCS

Instrument: 50mv3a.i

Sample Info: 1122065,71089;5

Operator: jlz

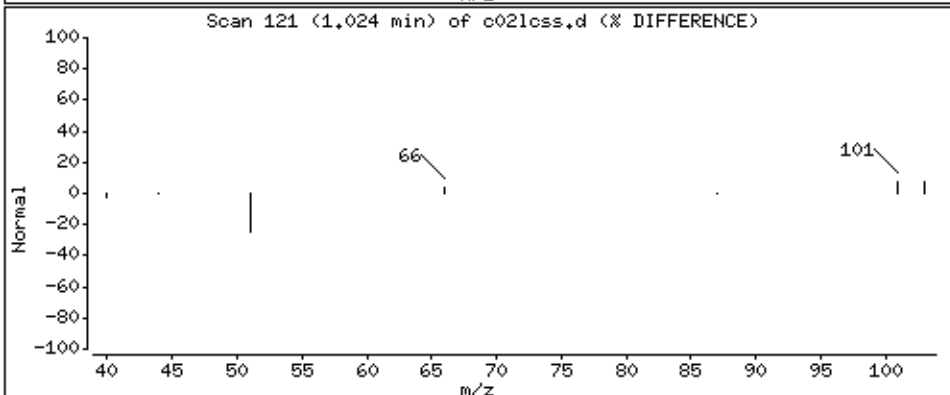
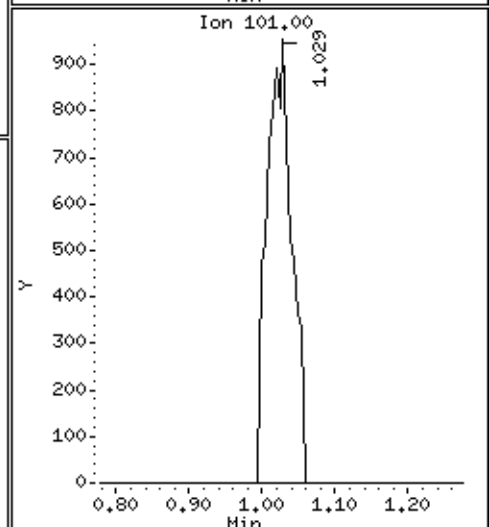
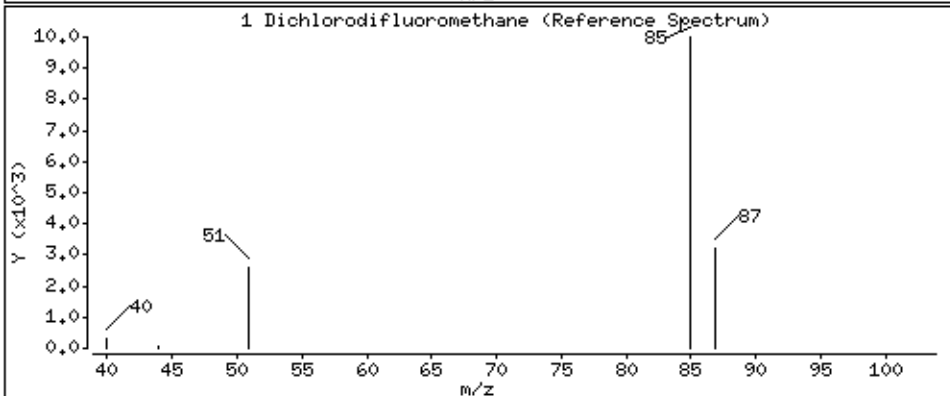
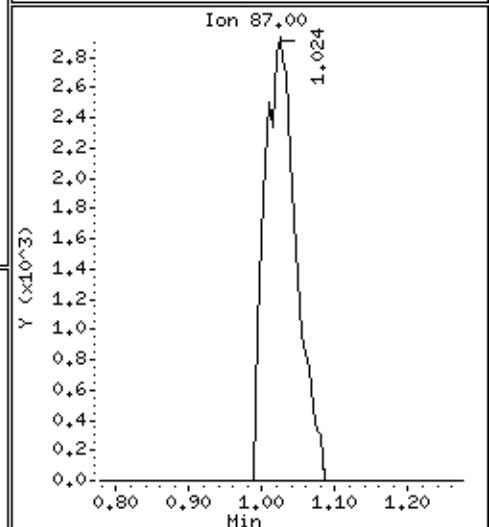
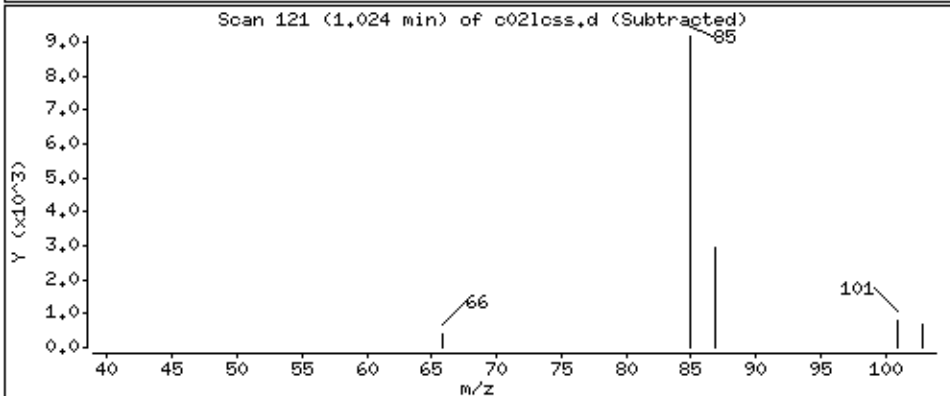
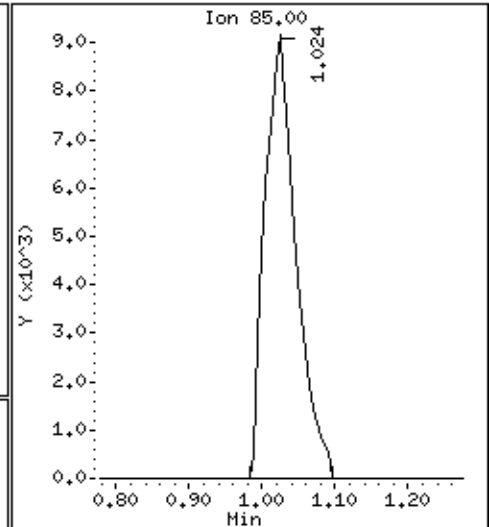
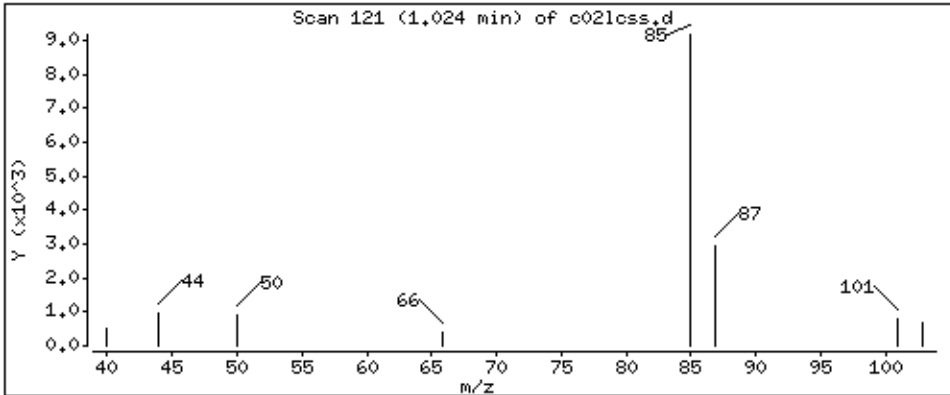
Column phase: DB-624

Column diameter: 0,18

1 Dichlorodifluoromethane

Concentration: 36,3 ppb

Review Code:



Date : 02-JUL-2014 22:31

Client ID: MBLCS

Instrument: 50mw3a.i

Sample Info: 1122065,71089;5

Operator: jlj

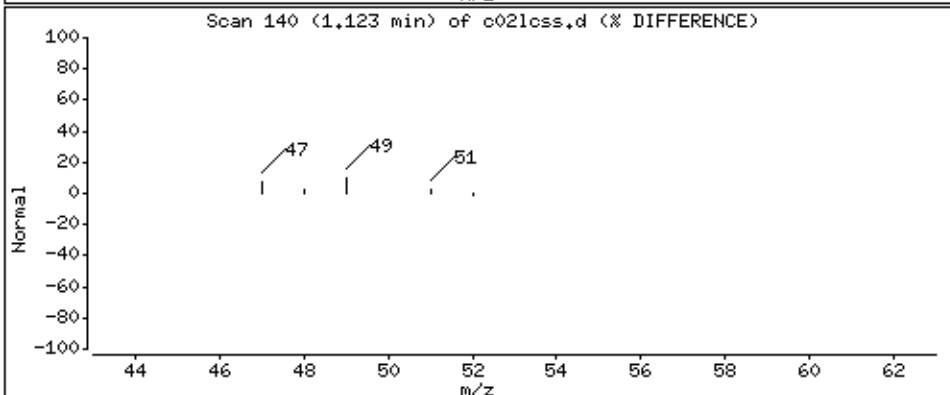
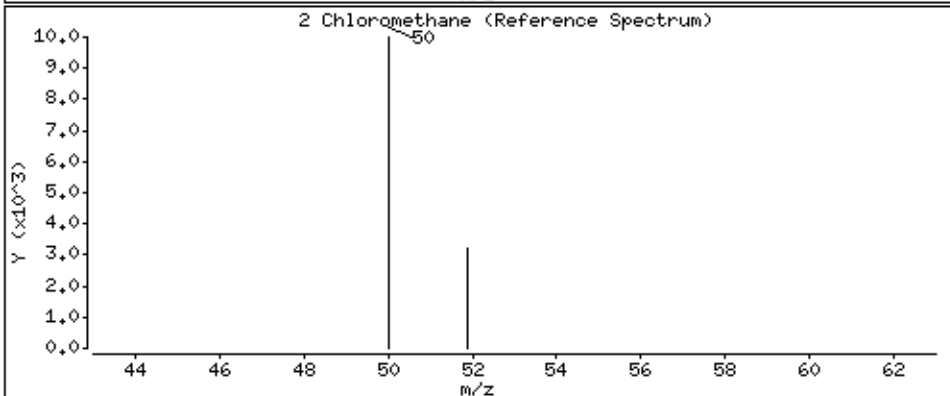
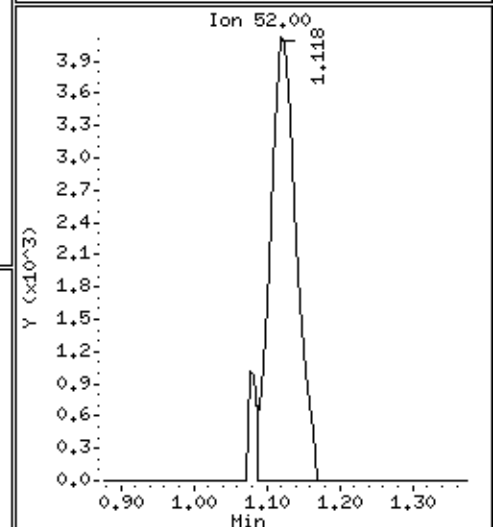
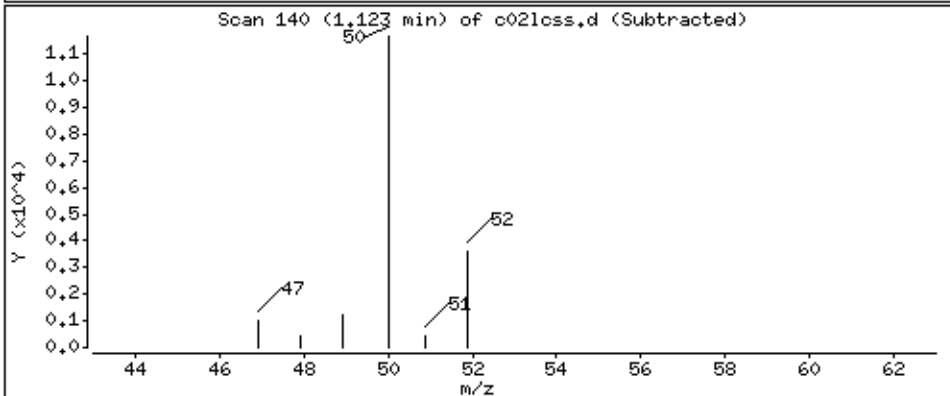
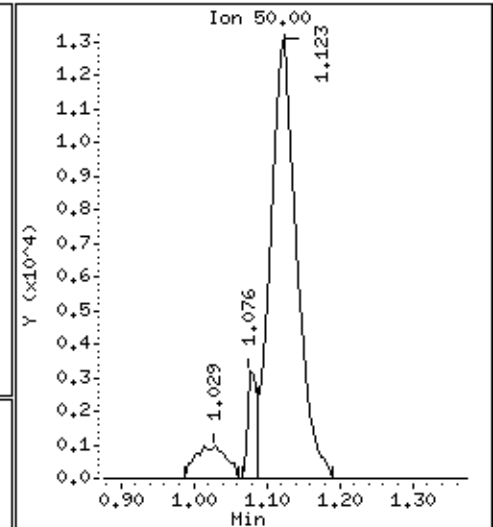
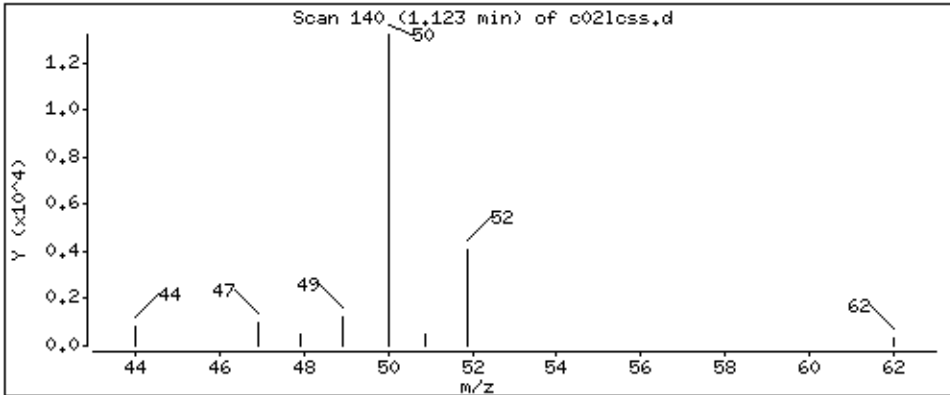
Column phase: DB-624

Column diameter: 0,18

2 Chloromethane

Concentration: 52.2 ppb

Review Code:



Date : 02-JUL-2014 22:31

Client ID: MBLCS

Instrument: 50mv3a.i

Sample Info: 1122065,71089;5

Operator: jlz

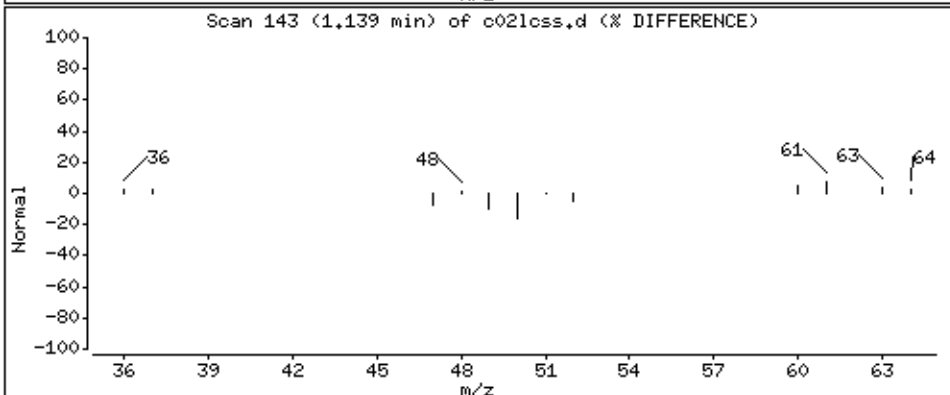
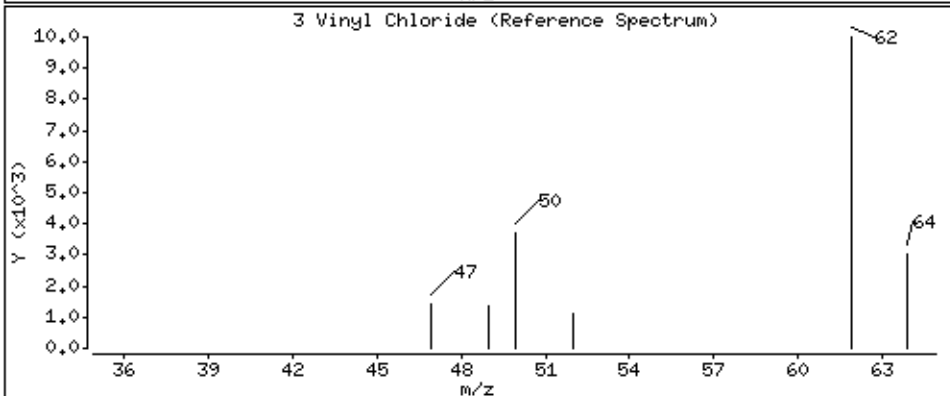
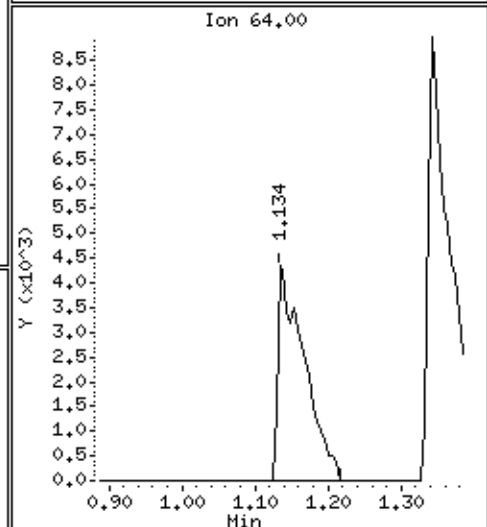
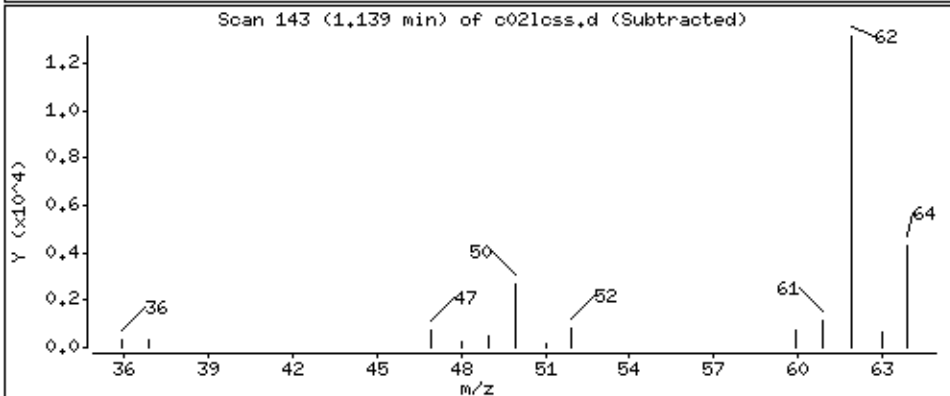
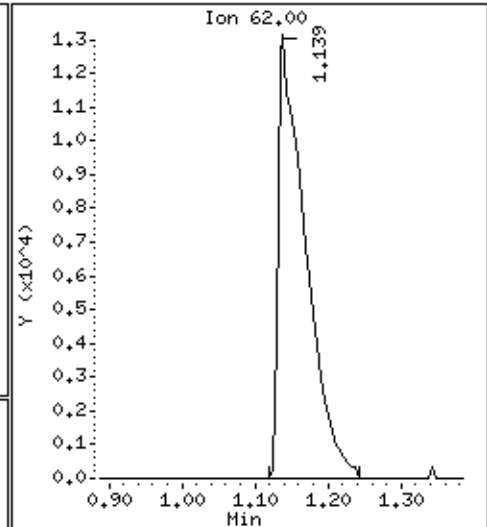
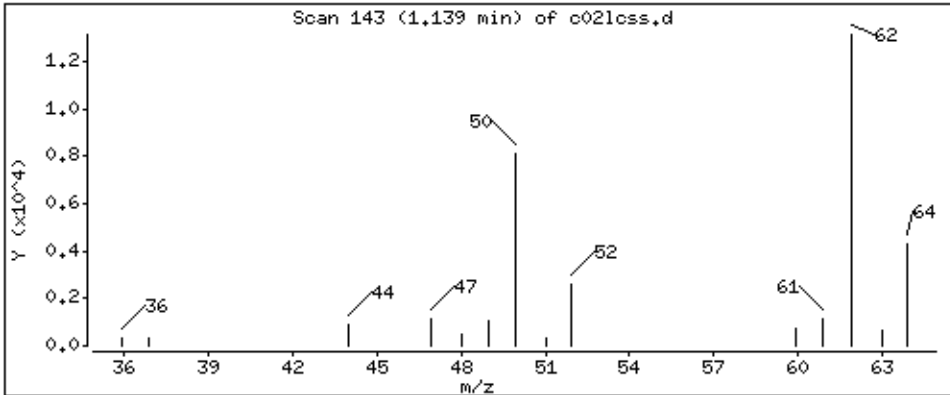
Column phase: DB-624

Column diameter: 0,18

3 Vinyl Chloride

Concentration: 54,5 ppb

Review Code:



Date : 02-JUL-2014 22:31

Client ID: MBLCS

Instrument: 50mw3a.i

Sample Info: 1122065,71089;5

Operator: jlz

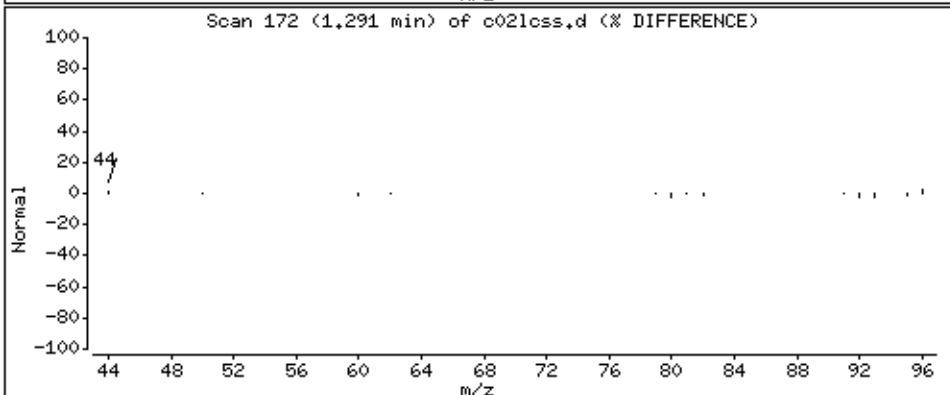
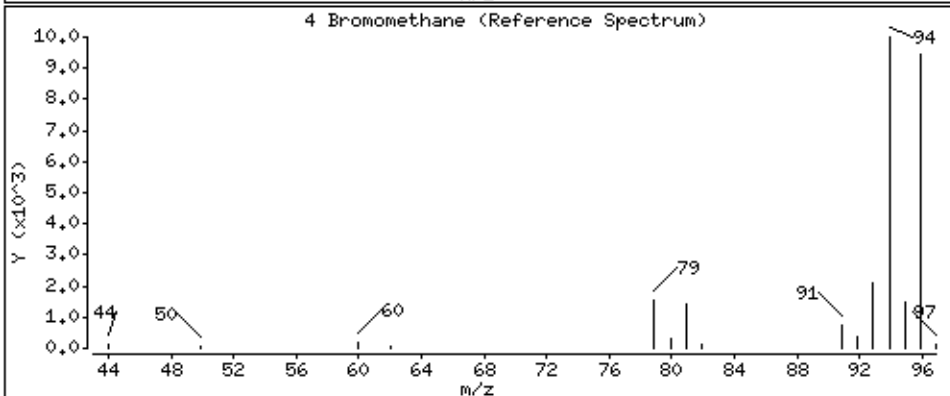
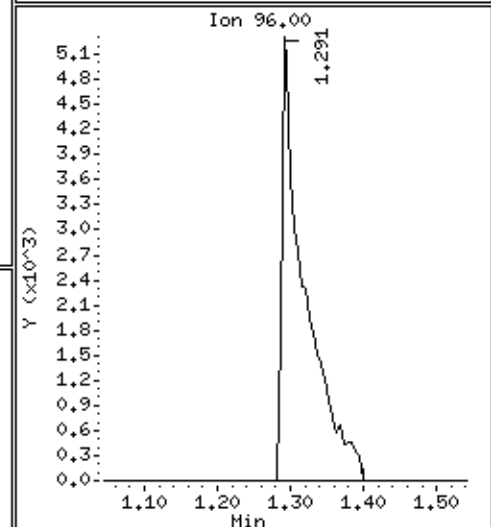
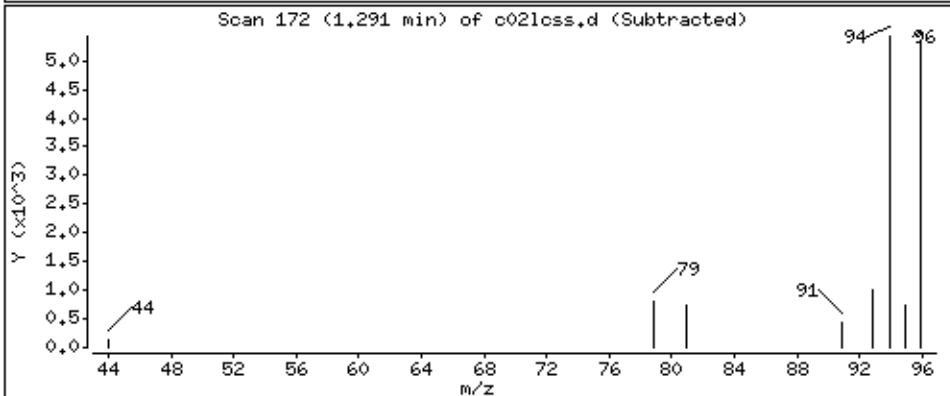
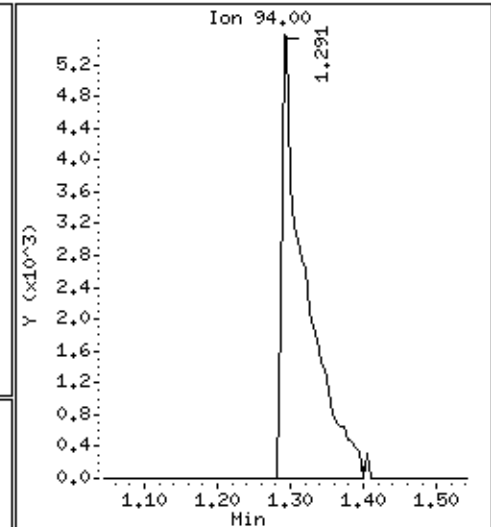
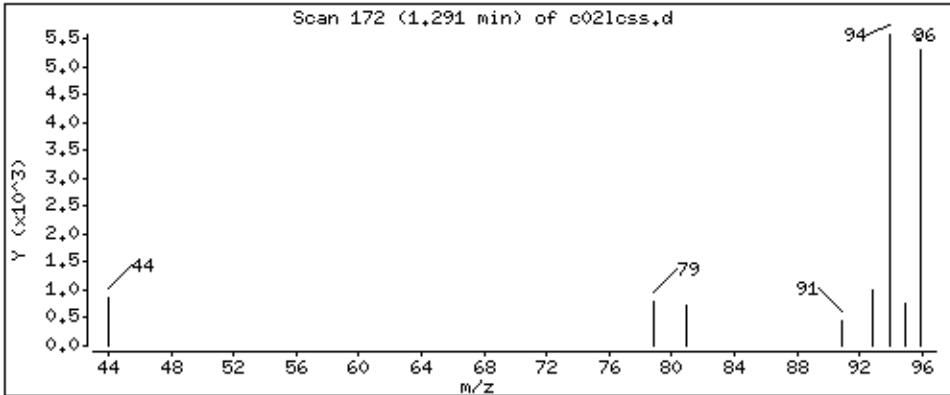
Column phase: DB-624

Column diameter: 0,18

4 Bromomethane

Concentration: 44,9 ppb

Review Code:



Date : 02-JUL-2014 22:31

Client ID: MBLCS

Instrument: 50mw3a.i

Sample Info: 1122065,71089;5

Operator: jlz

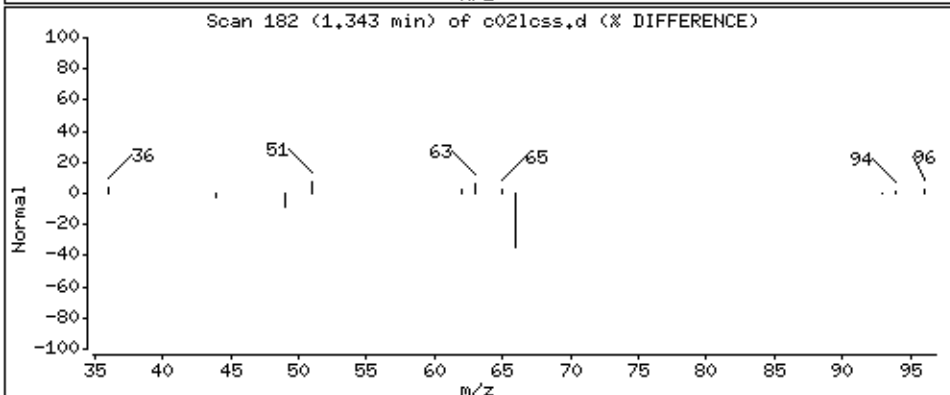
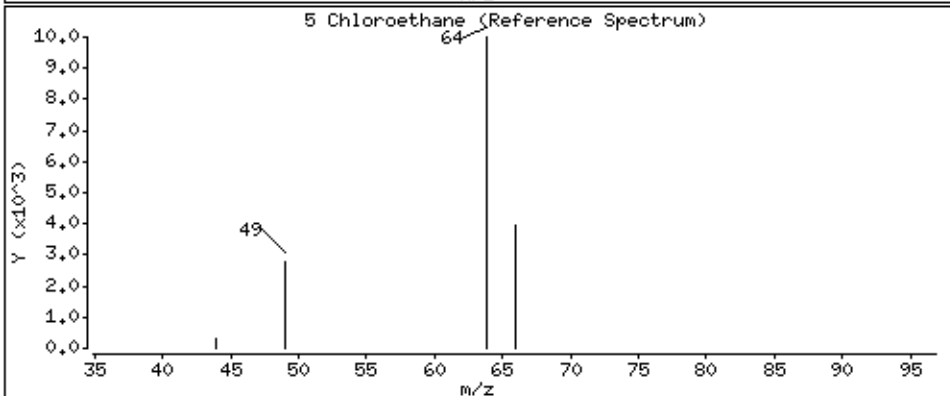
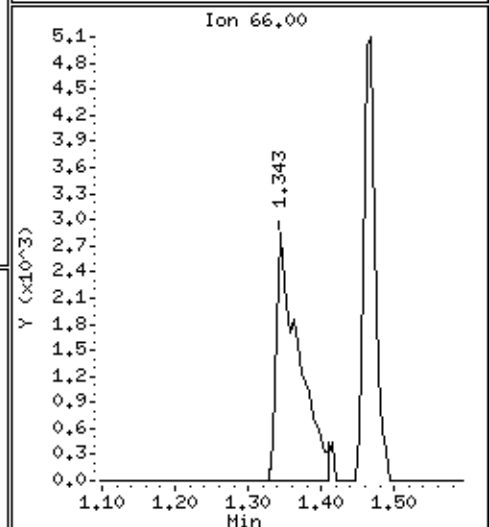
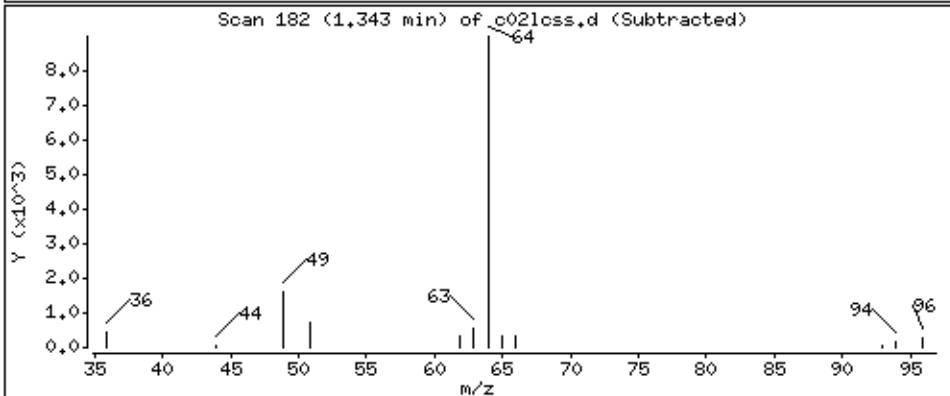
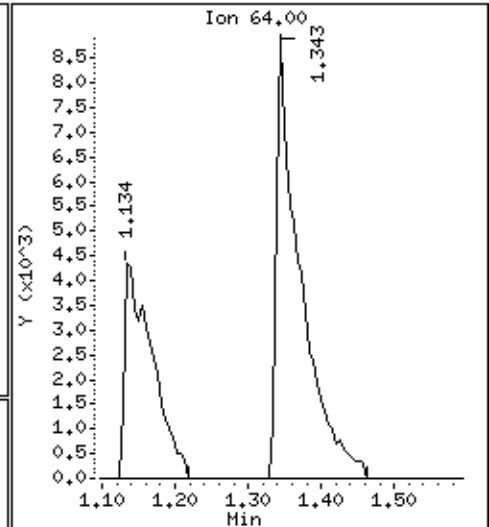
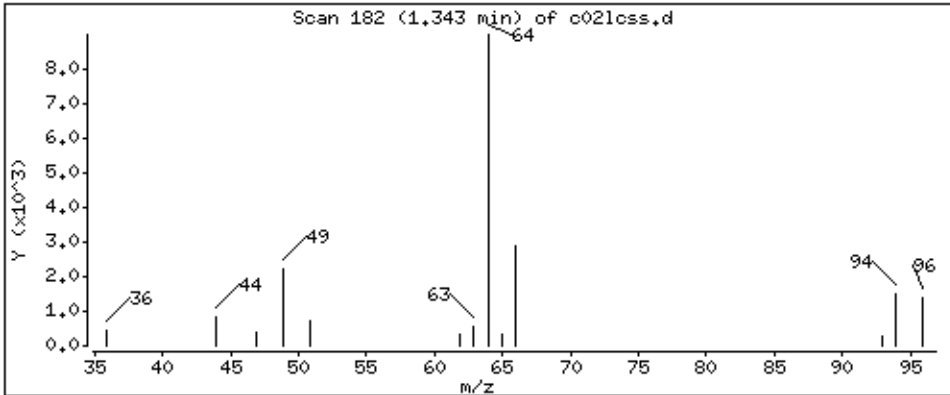
Column phase: DB-624

Column diameter: 0,18

5 Chloroethane

Concentration: 57,1 ppb

Review Code:



Date : 02-JUL-2014 22:31

Client ID: MBLCS

Instrument: 50mw3a.i

Sample Info: 1122065,71089;5

Operator: jlz

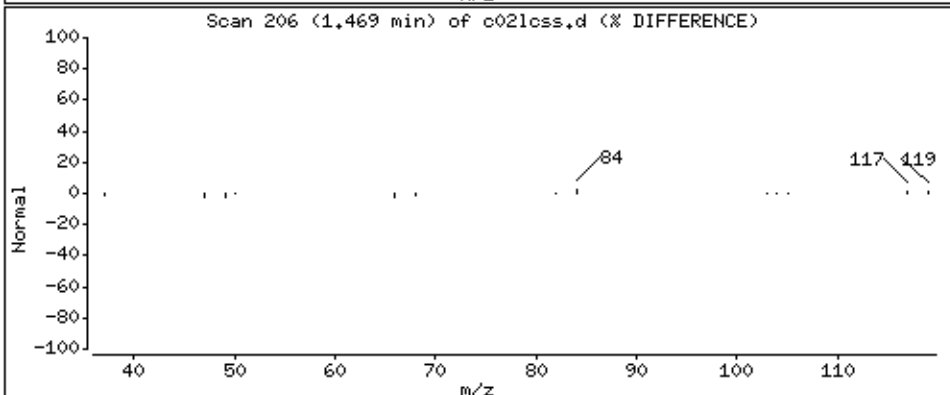
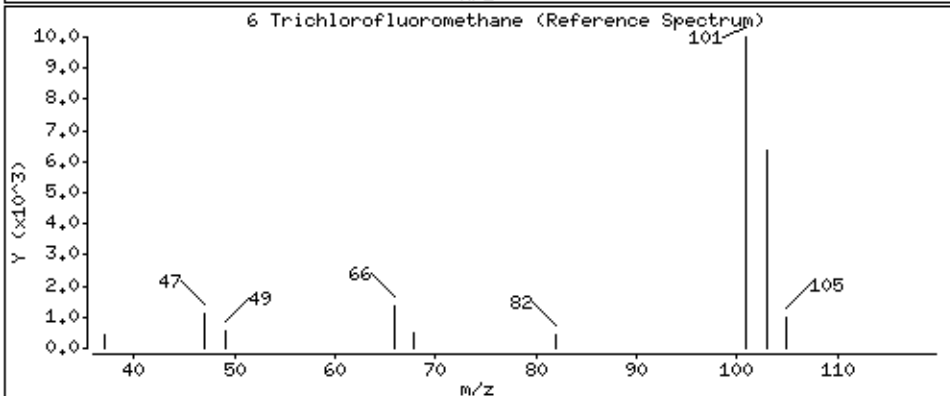
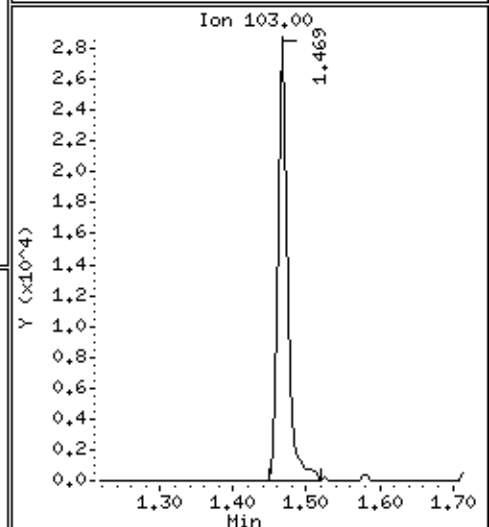
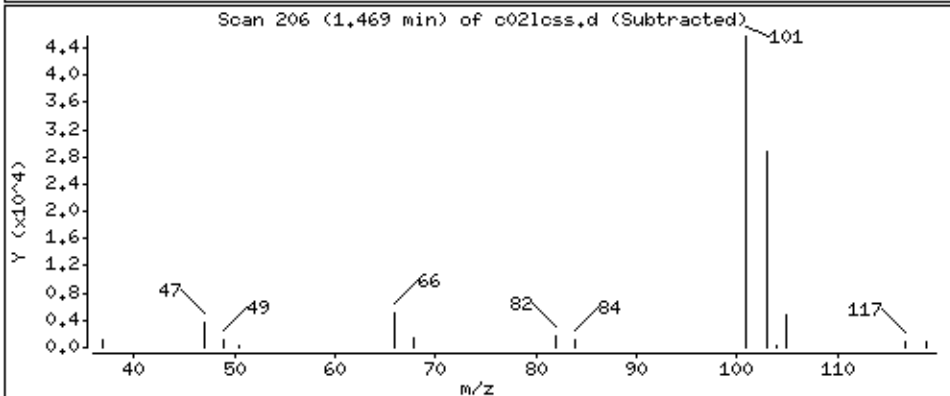
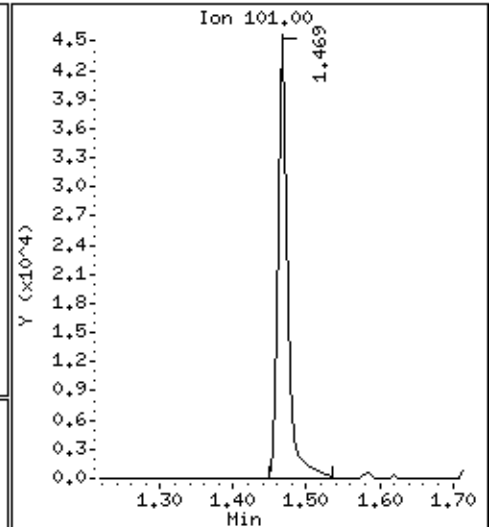
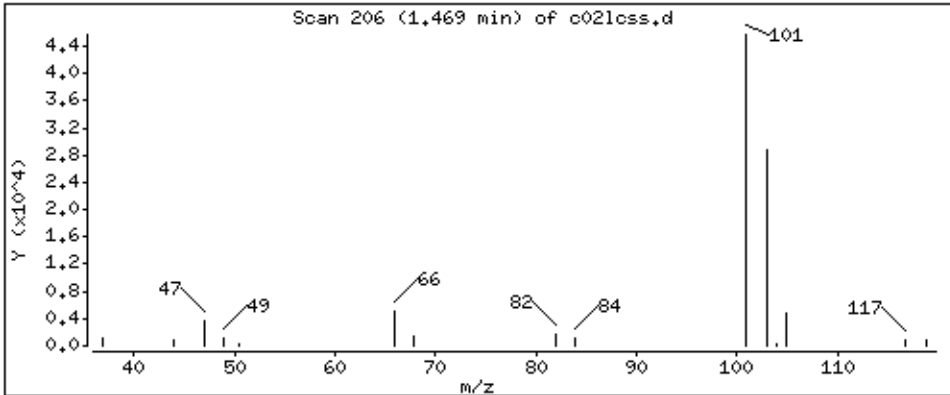
Column phase: DB-624

Column diameter: 0,18

6 Trichlorofluoromethane

Concentration: 46,2 ppb

Review Code:



Date : 02-JUL-2014 22:31

Client ID: MBLCS

Instrument: 50mv3a.i

Sample Info: 1122065,71089;5

Operator: jlz

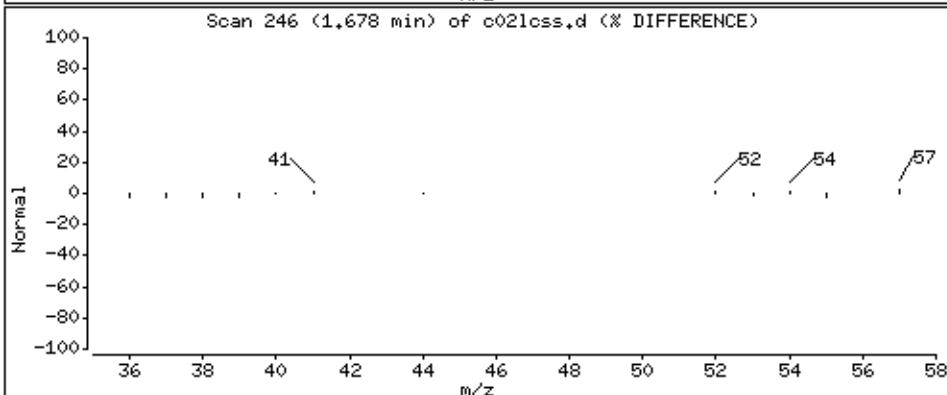
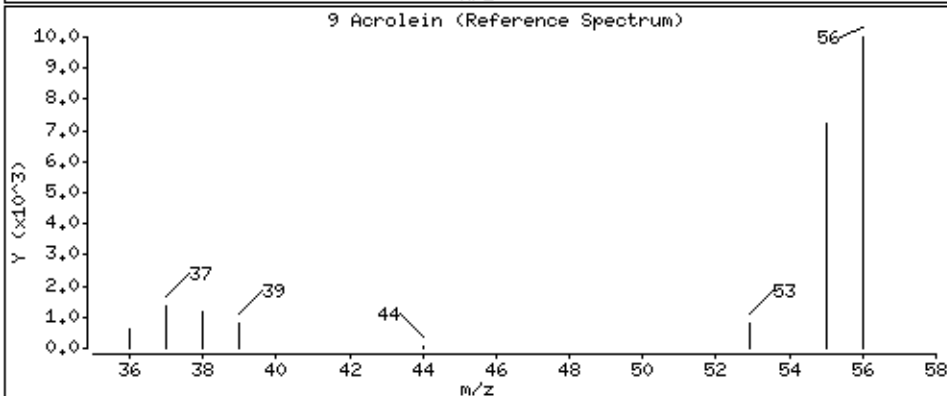
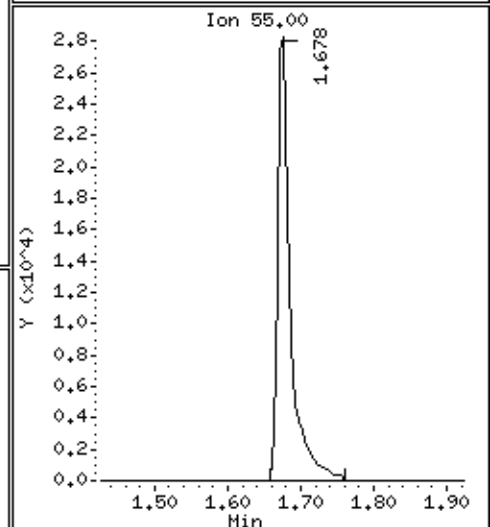
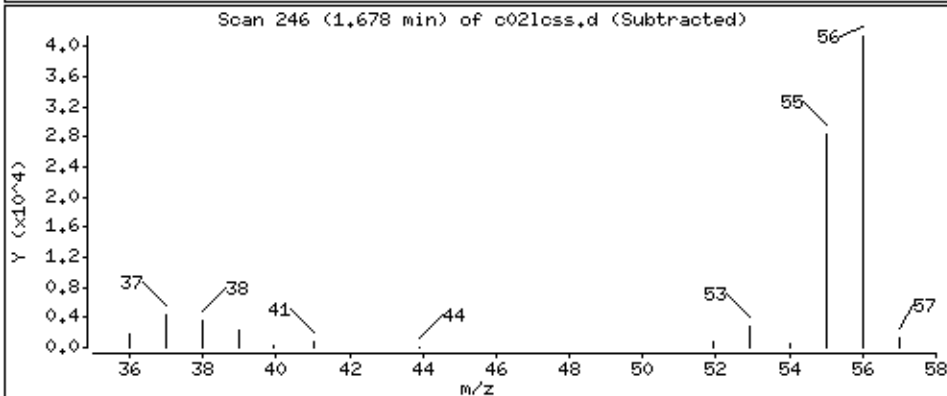
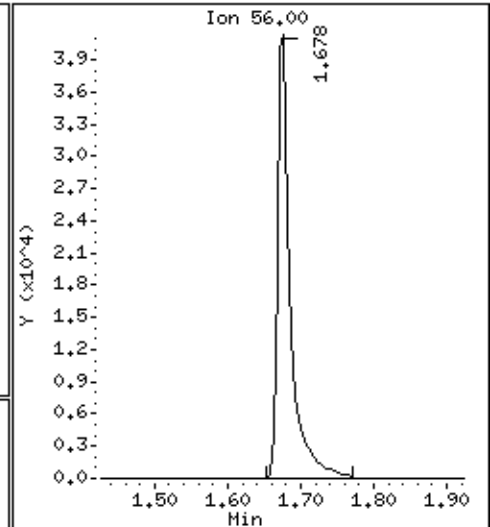
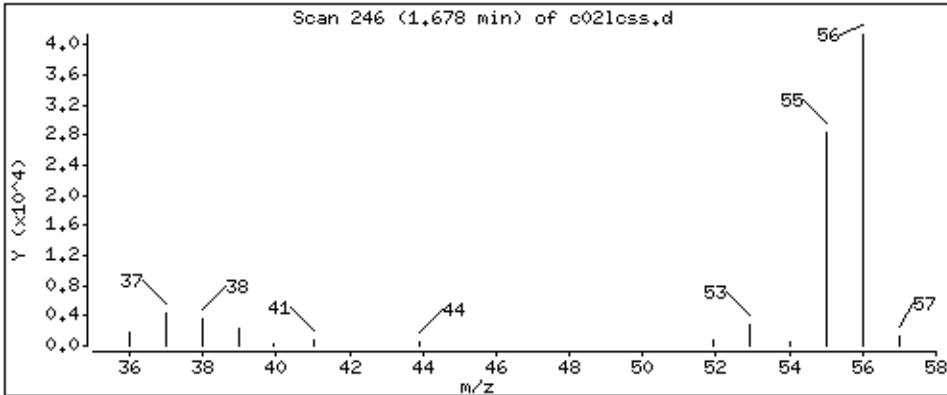
Column phase: DB-624

Column diameter: 0,18

9 Acrolein

Concentration: 1420 ppb

Review Code:



Date : 02-JUL-2014 22:31

Client ID: MBLCS

Instrument: 50mw3a.i

Sample Info: 1122065,71089;5

Operator: jlz

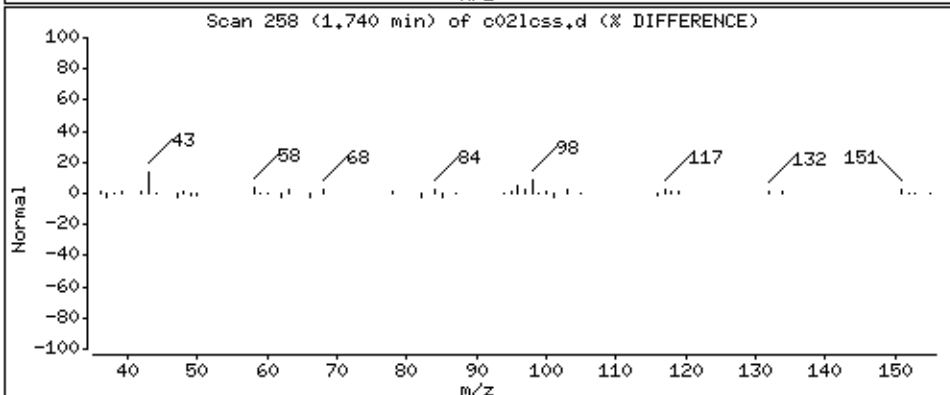
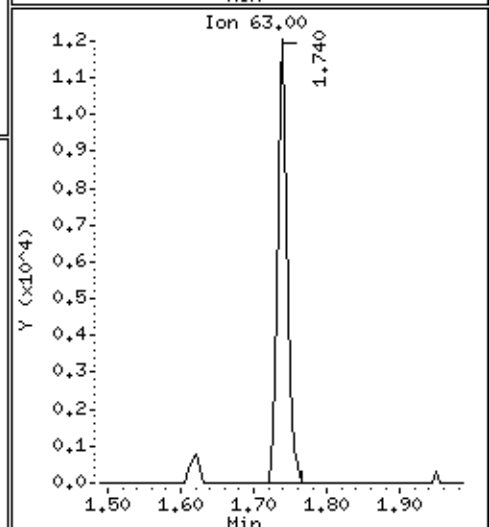
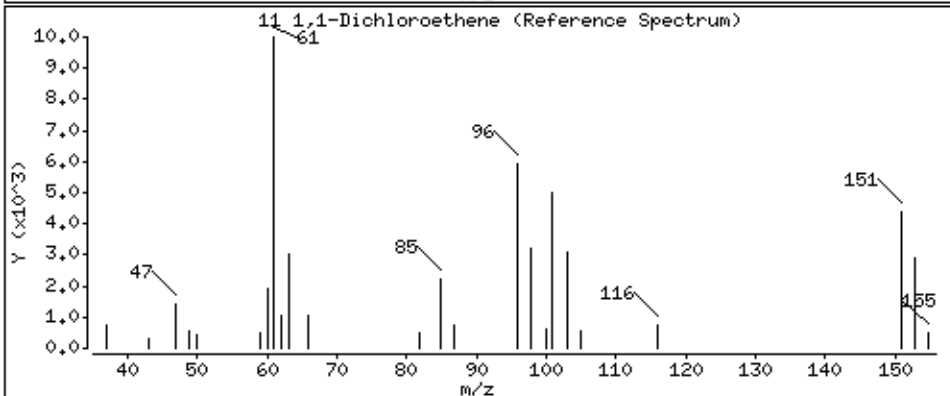
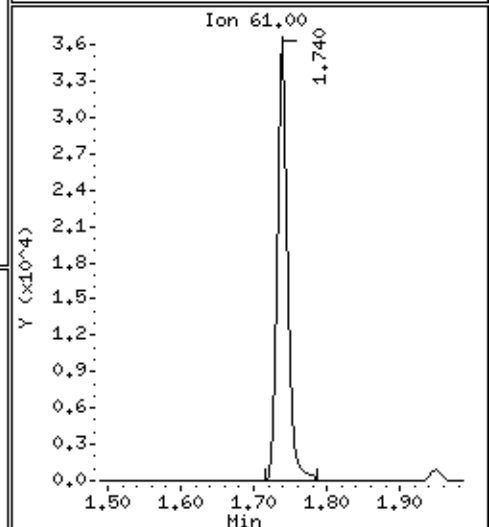
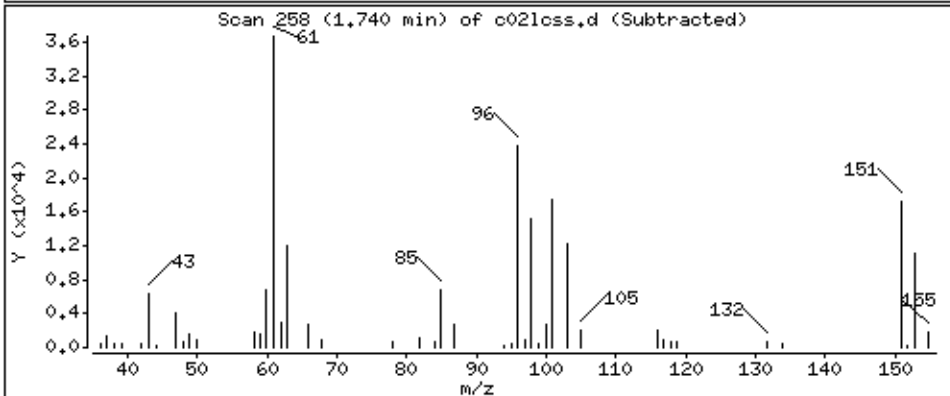
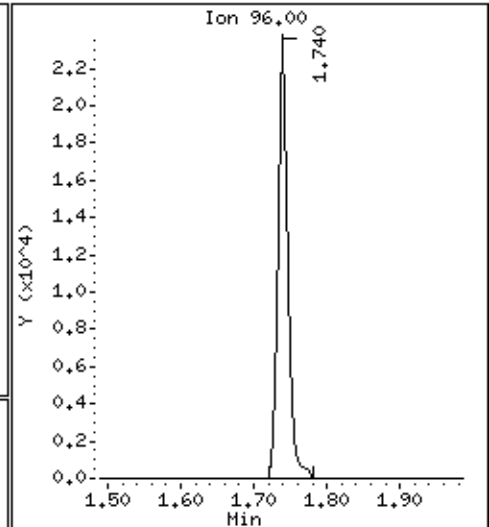
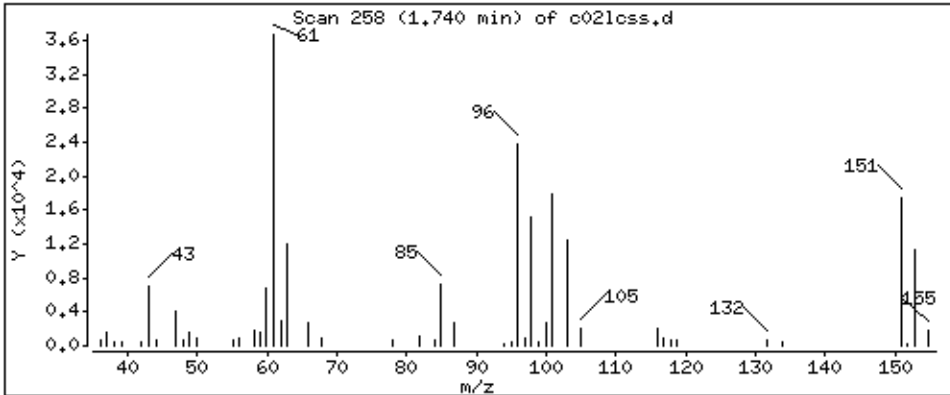
Column phase: DB-624

Column diameter: 0,18

11 1,1-Dichloroethene

Concentration: 45,8 ppb

Review Code:



Date : 02-JUL-2014 22:31

Client ID: MBLCS

Instrument: 50mv3a.i

Sample Info: 1122065,71089;5

Operator: jlz

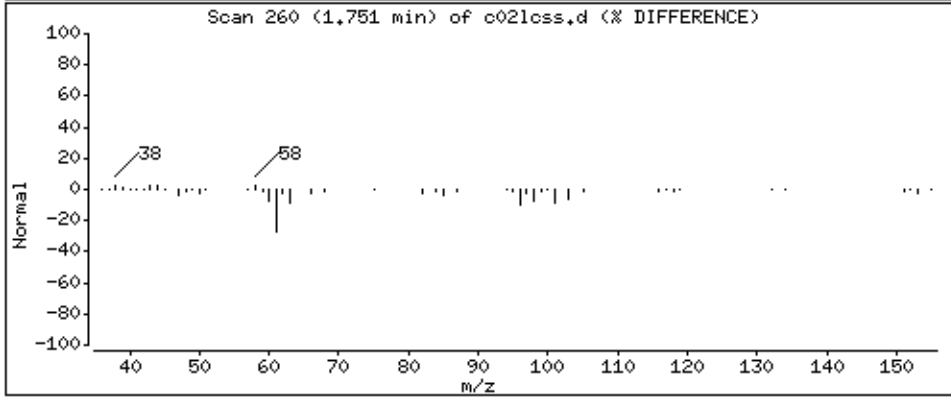
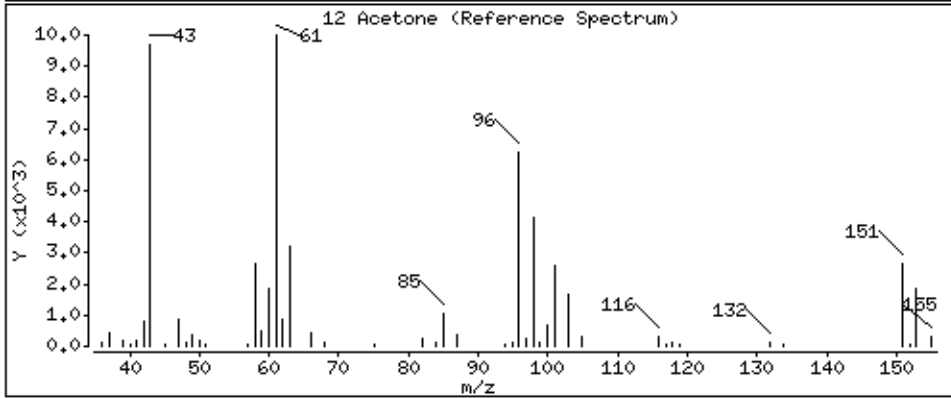
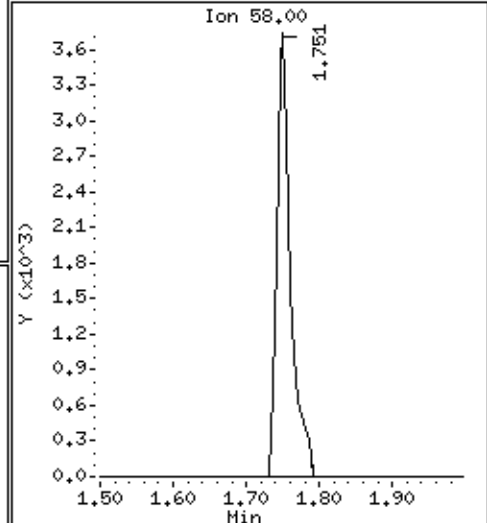
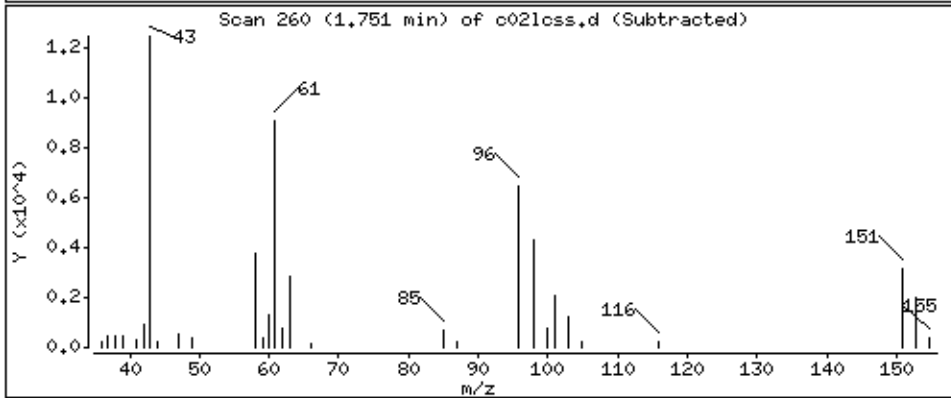
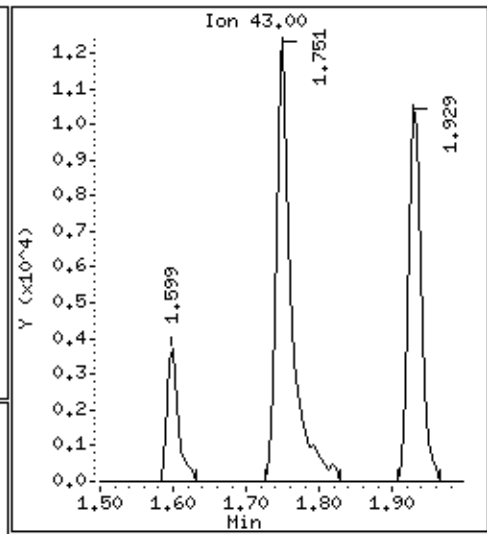
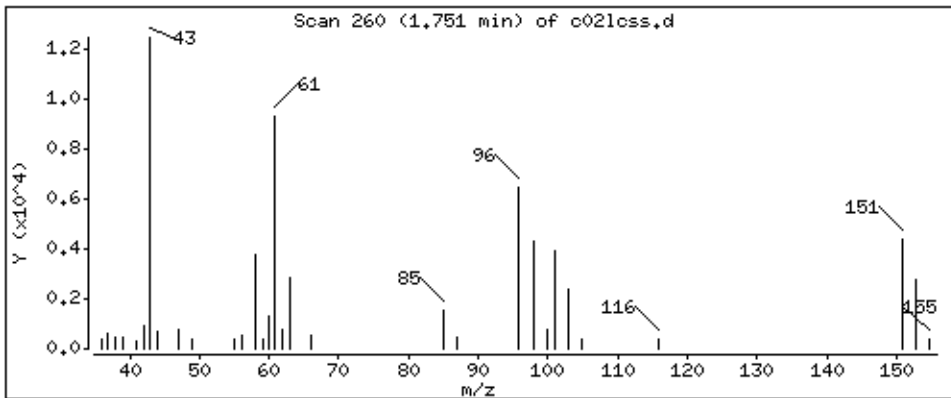
Column phase: DB-624

Column diameter: 0,18

12 Acetone

Concentration: 222 ppb

Review Code:



Date : 02-JUL-2014 22:31

Client ID: MBLCS

Instrument: 50mw3a.i

Sample Info: 1122065,71089;5

Operator: jlz

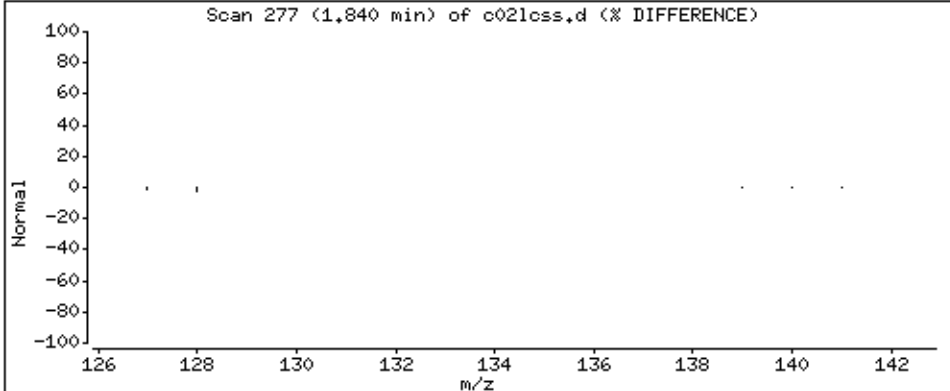
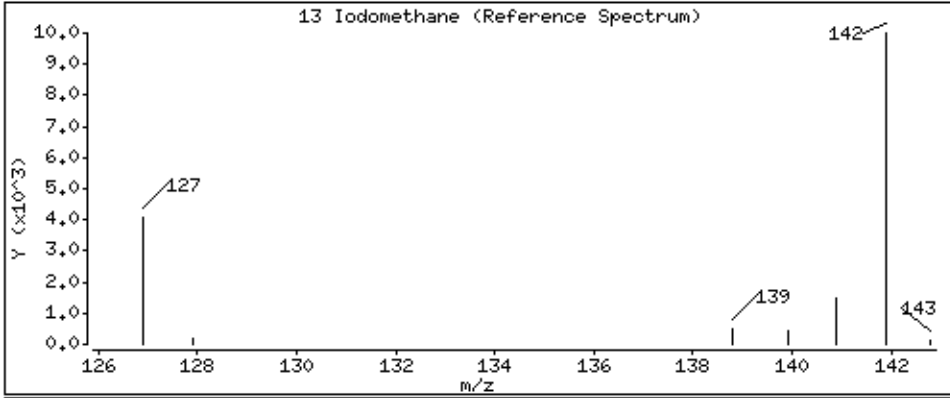
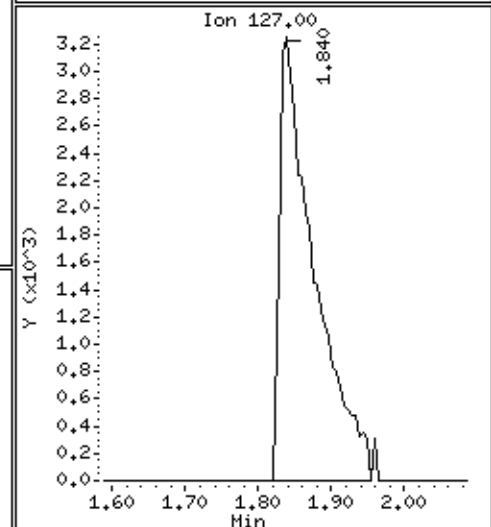
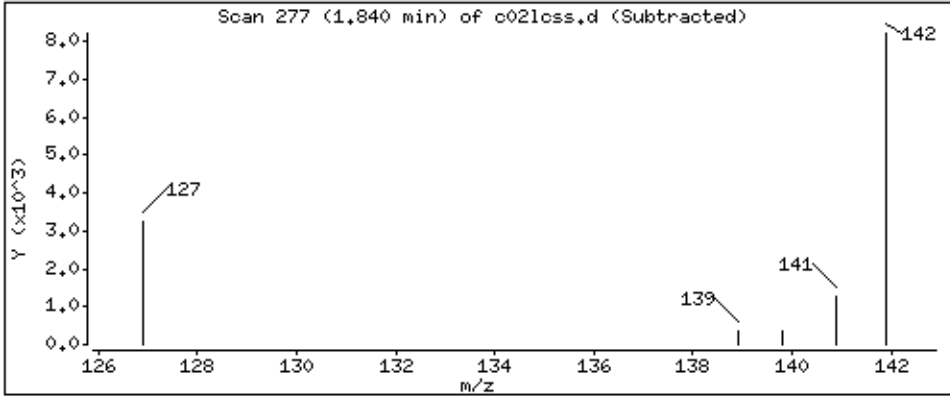
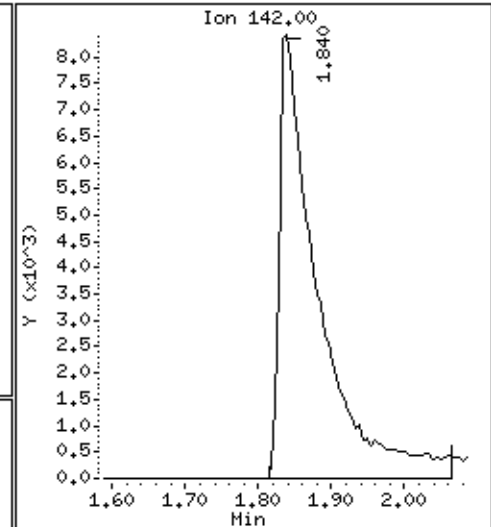
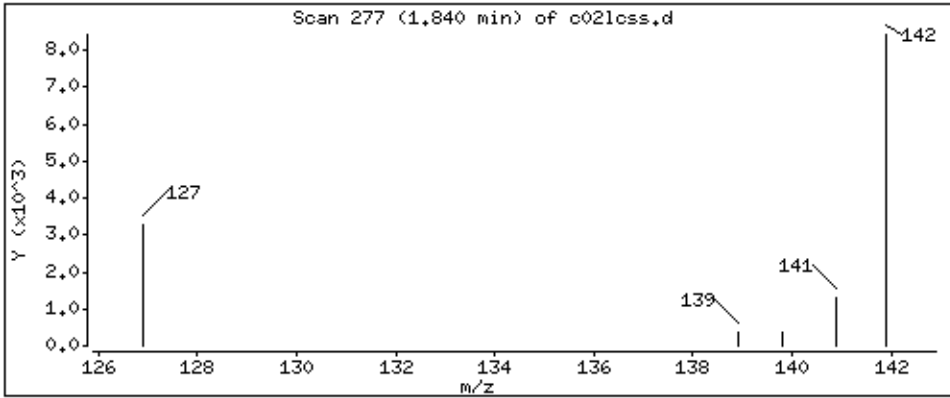
Column phase: DB-624

Column diameter: 0,18

13 Iodomethane

Concentration: 90,2 ppb

Review Code:



Date : 02-JUL-2014 22:31

Client ID: MBLCS

Instrument: 50mw3a.i

Sample Info: 1122065,71089;5

Operator: jlj

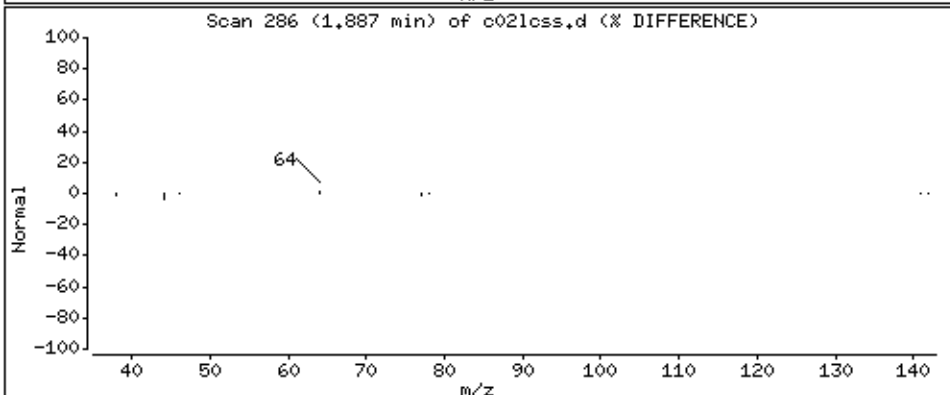
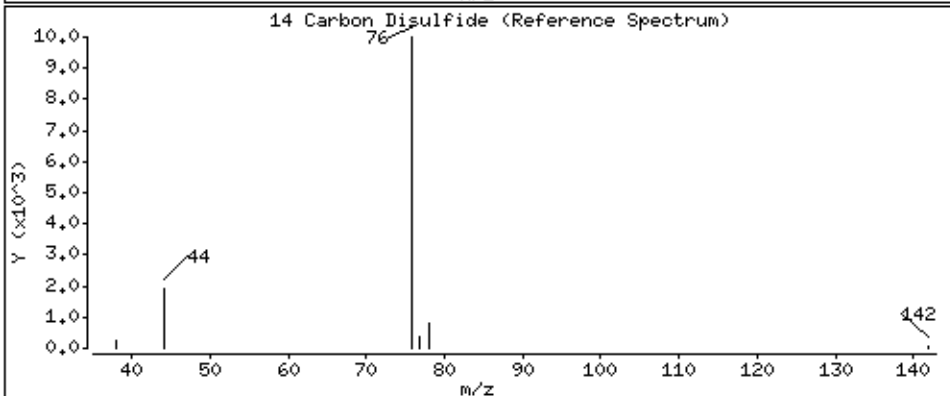
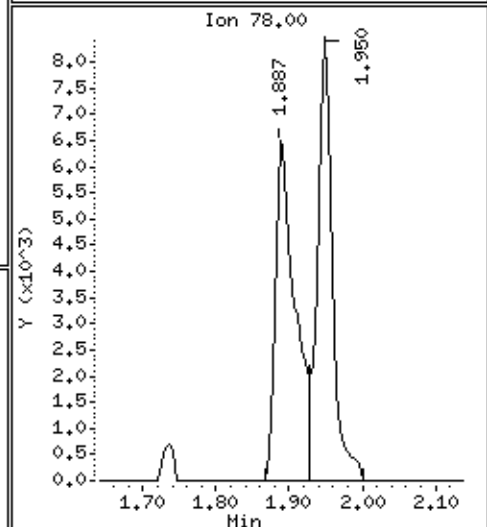
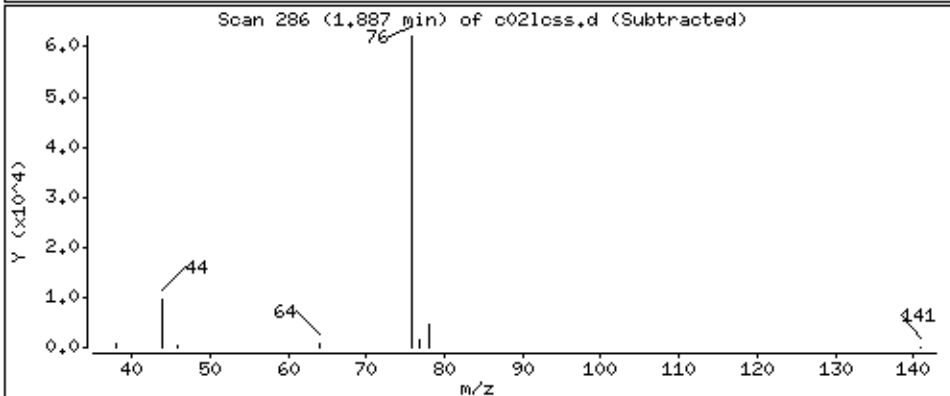
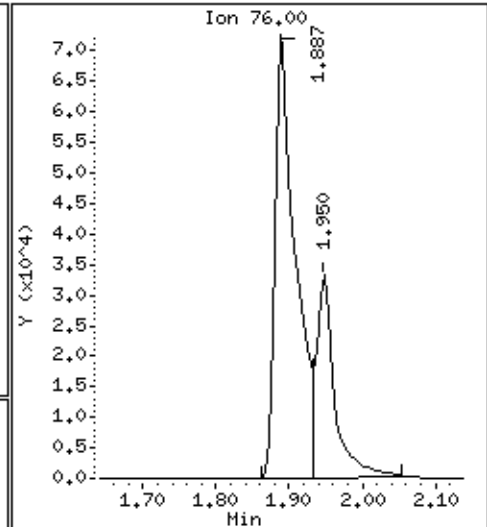
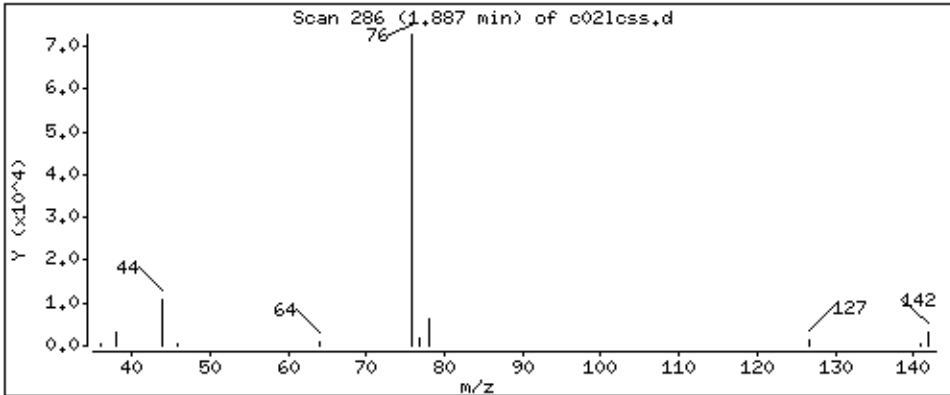
Column phase: DB-624

Column diameter: 0,18

14 Carbon Disulfide

Concentration: 95,0 ppb

Review Code:



Date : 02-JUL-2014 22:31

Client ID: MBLCS

Instrument: 50mw3a.i

Sample Info: 1122065,71089;5

Operator: jlz

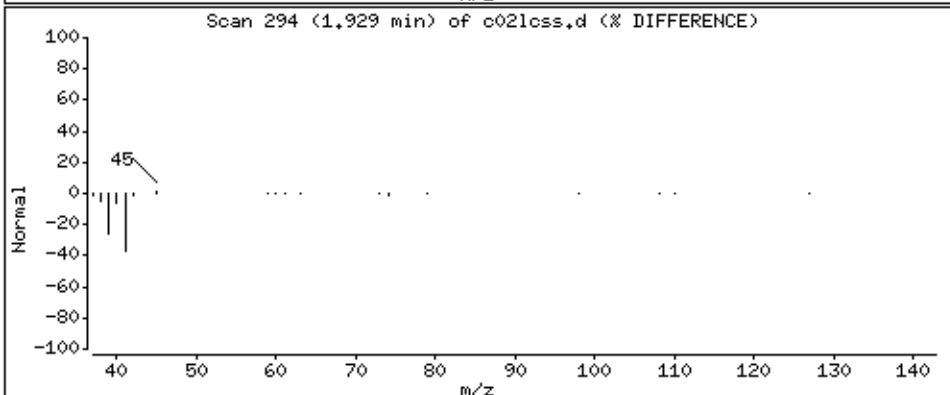
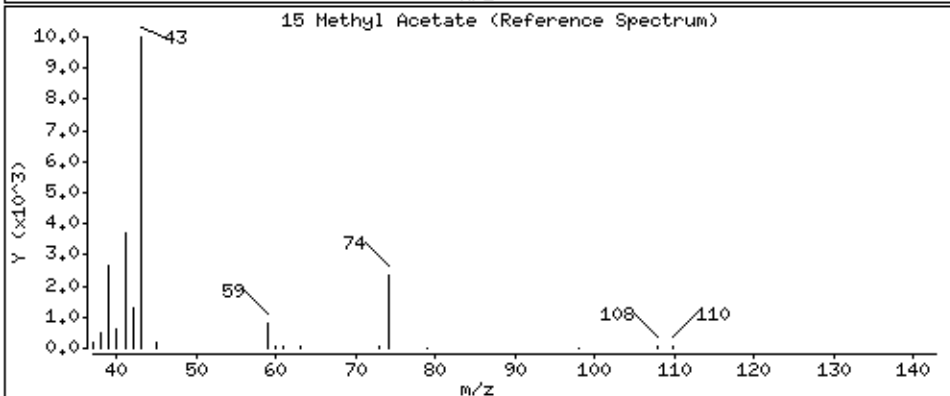
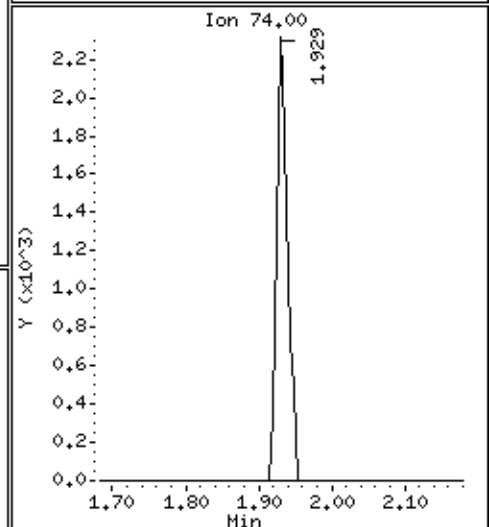
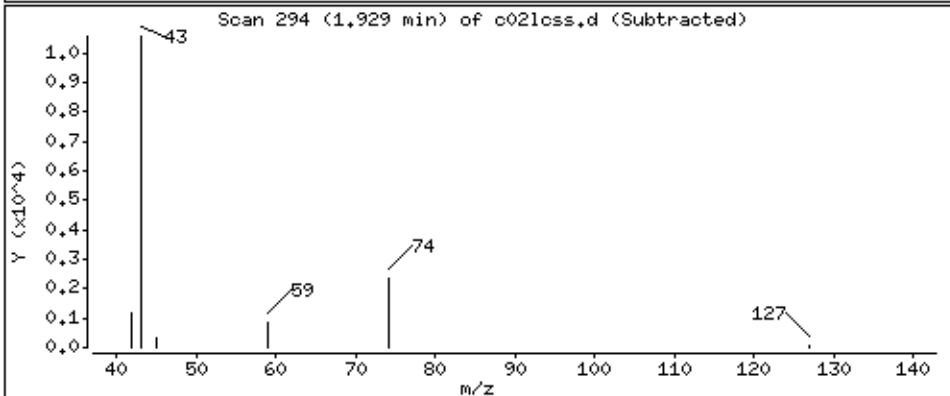
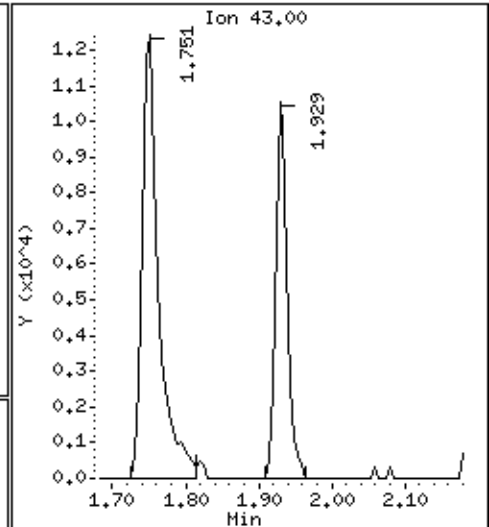
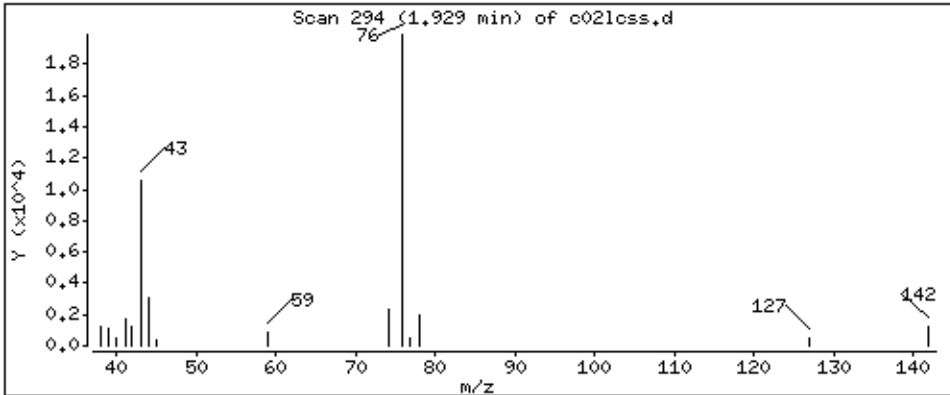
Column phase: DB-624

Column diameter: 0,18

15 Methyl Acetate

Concentration: 56,8 ppb

Review Code:



Date : 02-JUL-2014 22:31

Client ID: MBLCS

Instrument: 50mv3a.i

Sample Info: 1122065,71089;5

Operator: jlz

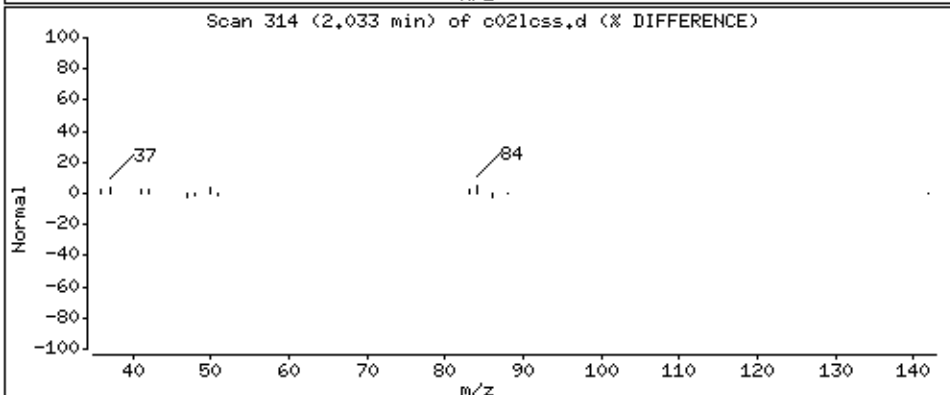
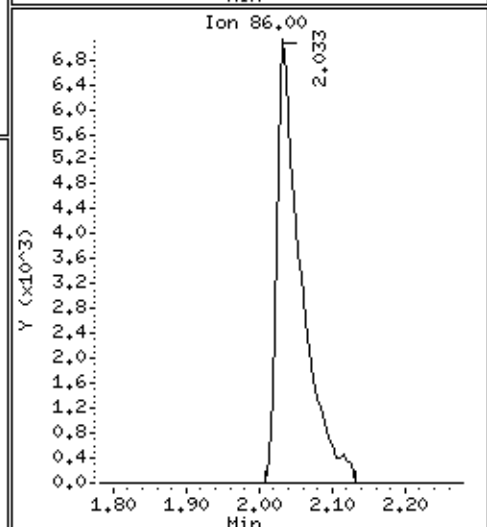
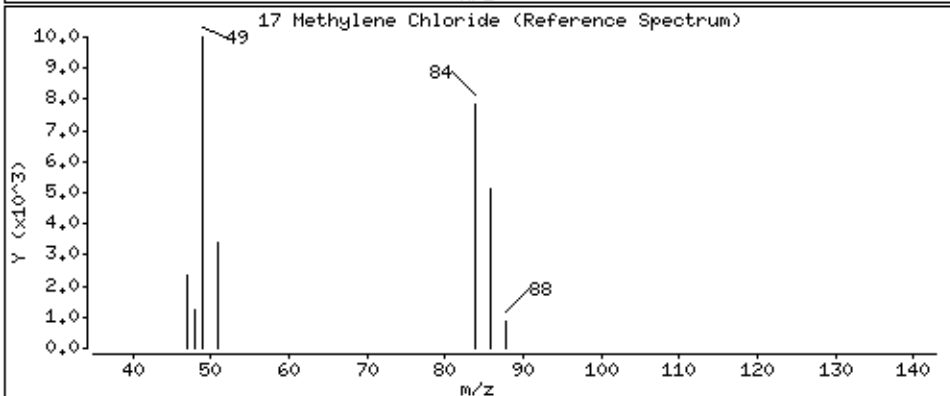
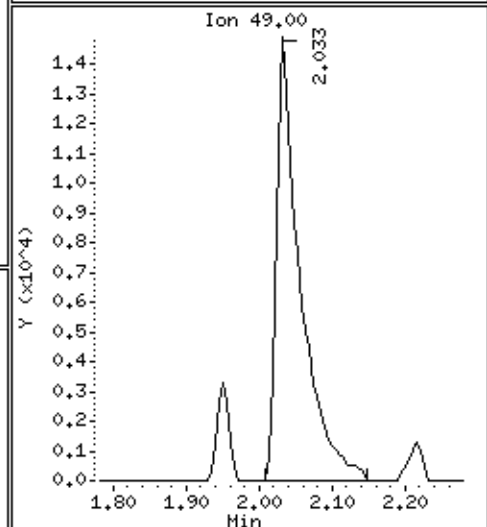
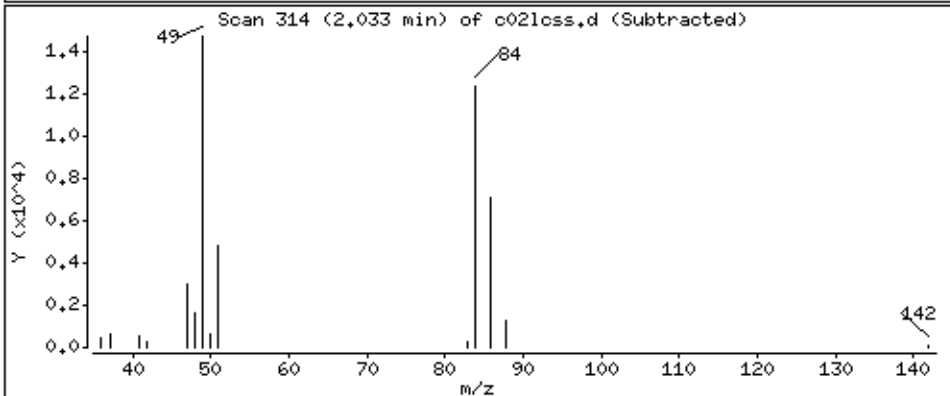
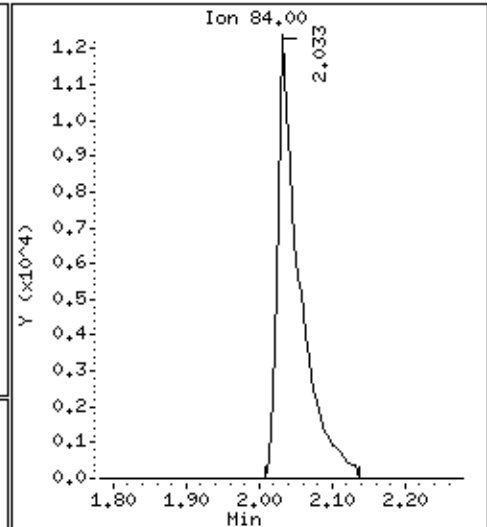
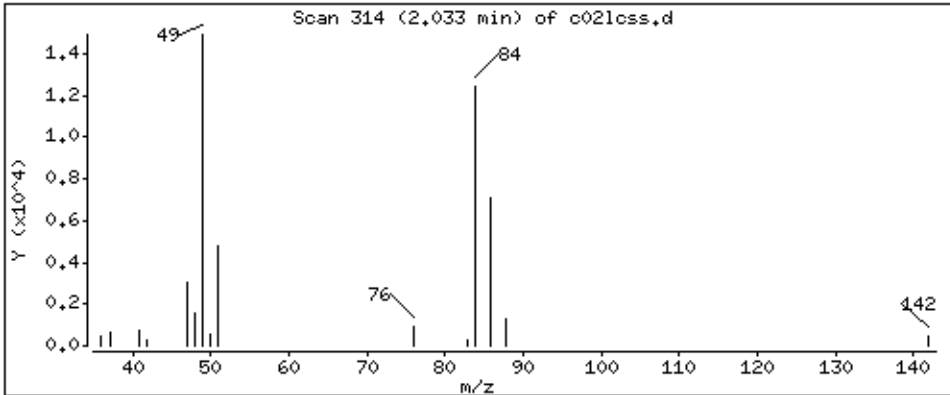
Column phase: DB-624

Column diameter: 0,18

17 Methylene Chloride

Concentration: 36,7 ppb

Review Code:



Date : 02-JUL-2014 22:31

Client ID: MBLCS

Instrument: 50mv3a.i

Sample Info: 1122065,71089;5

Operator: jlz

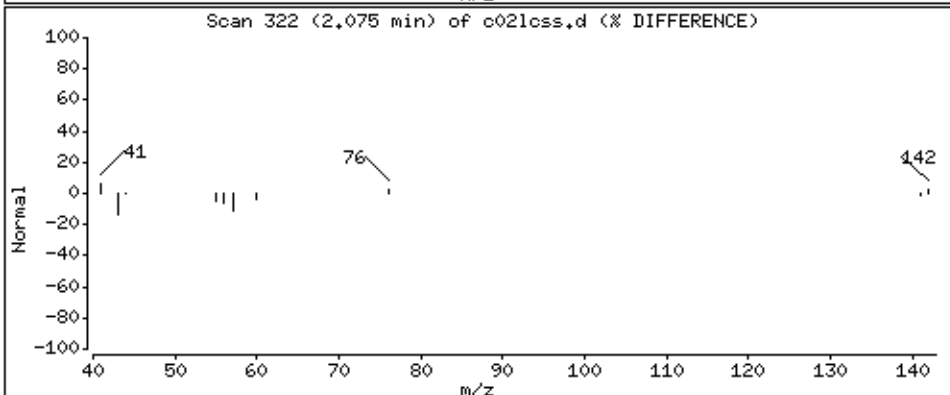
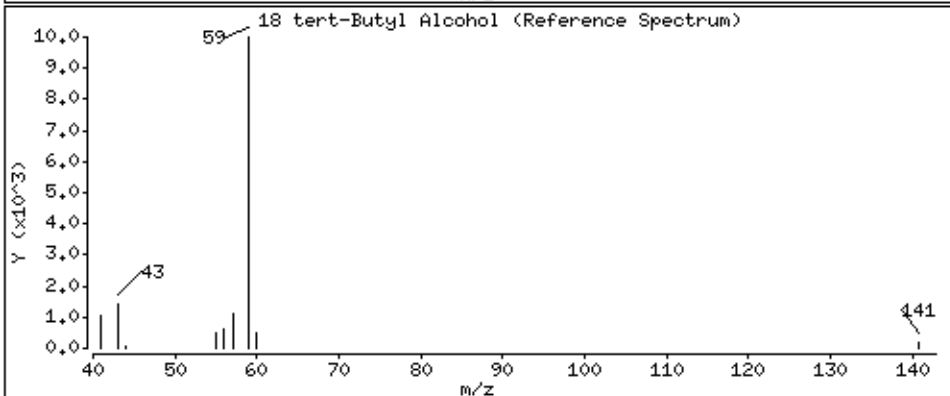
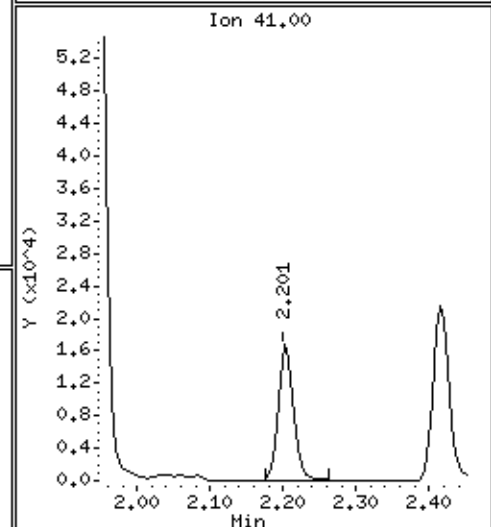
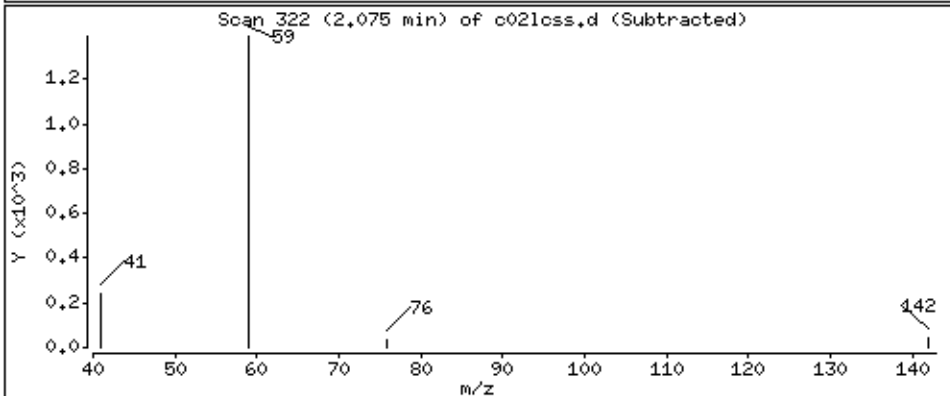
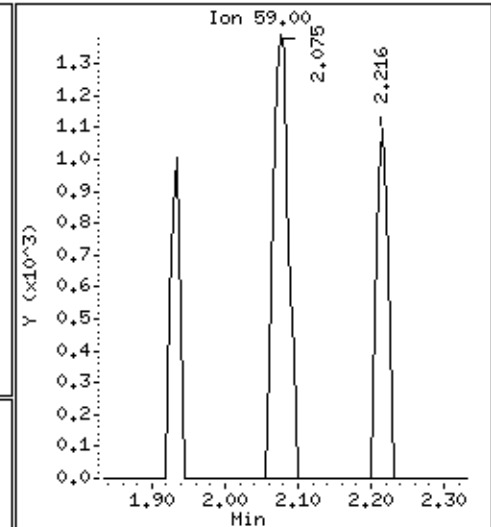
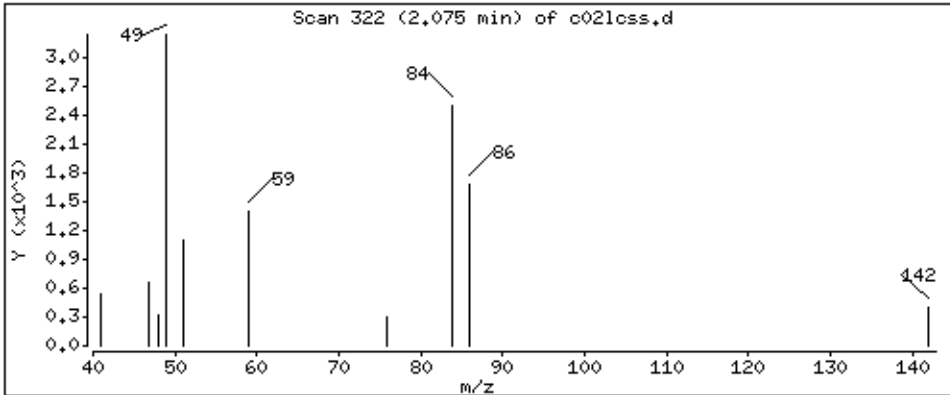
Column phase: DB-624

Column diameter: 0,18

18 tert-Butyl Alcohol

Concentration: 106 ppb

Review Code:



Date : 02-JUL-2014 22:31

Client ID: MBLCS

Instrument: 50mv3a.i

Sample Info: 1122065,71089;5

Operator: jlz

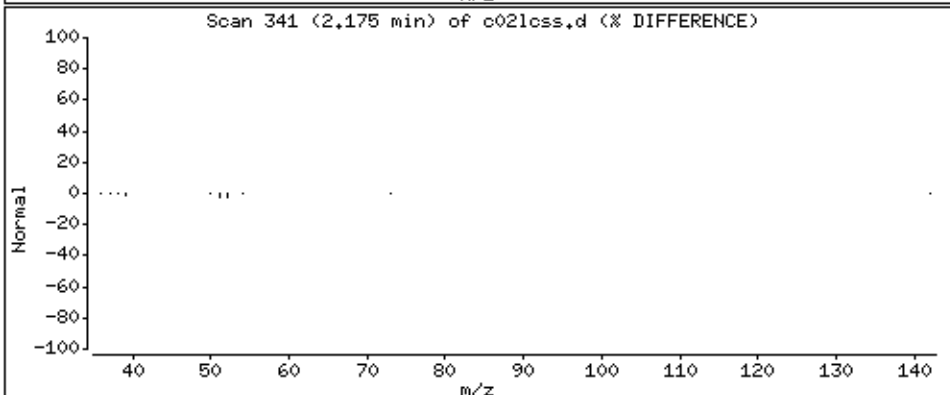
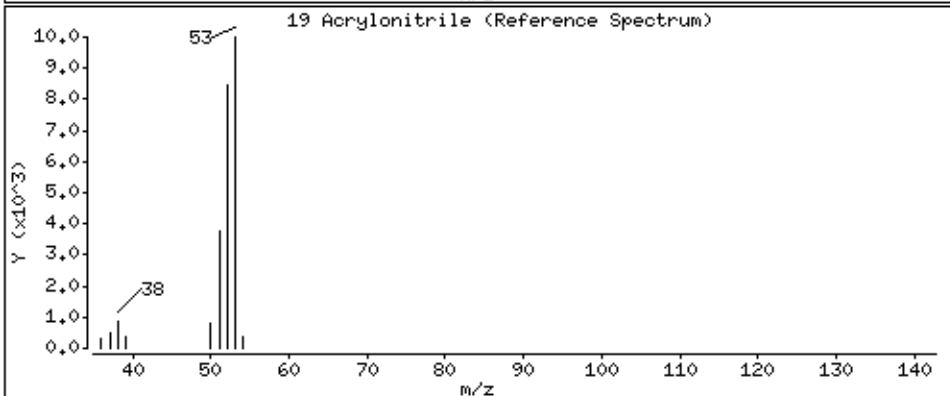
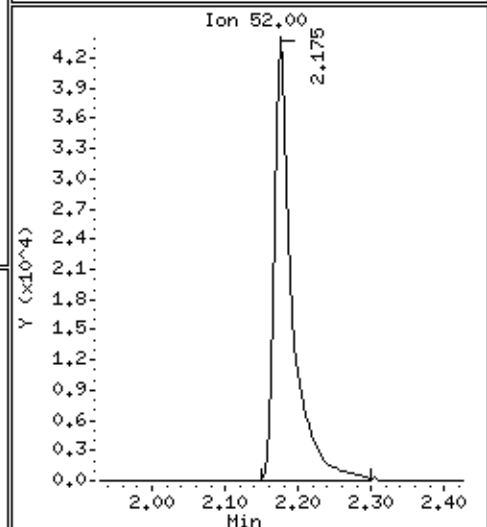
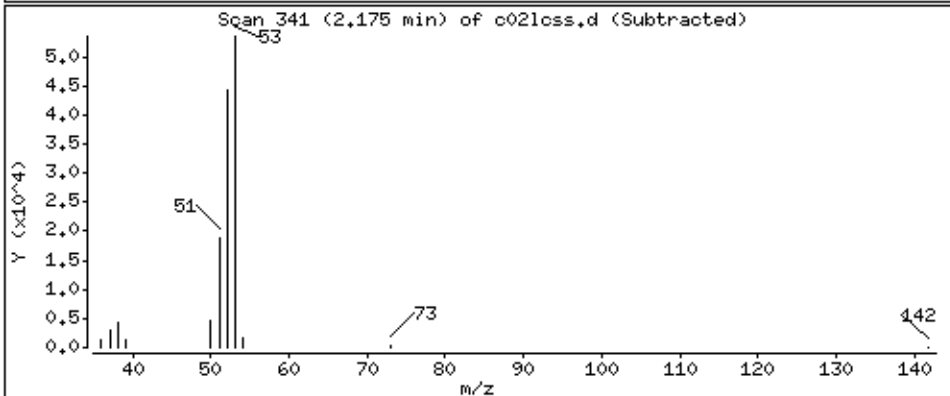
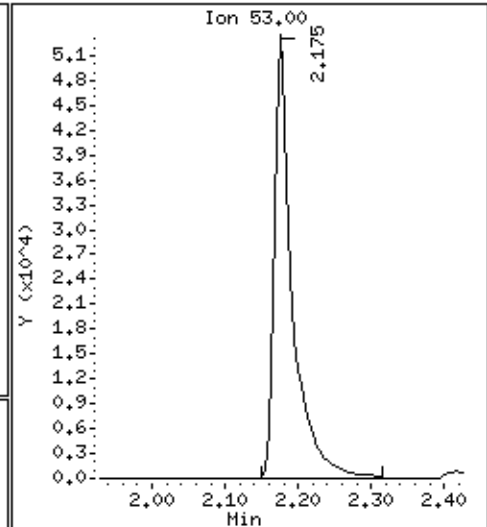
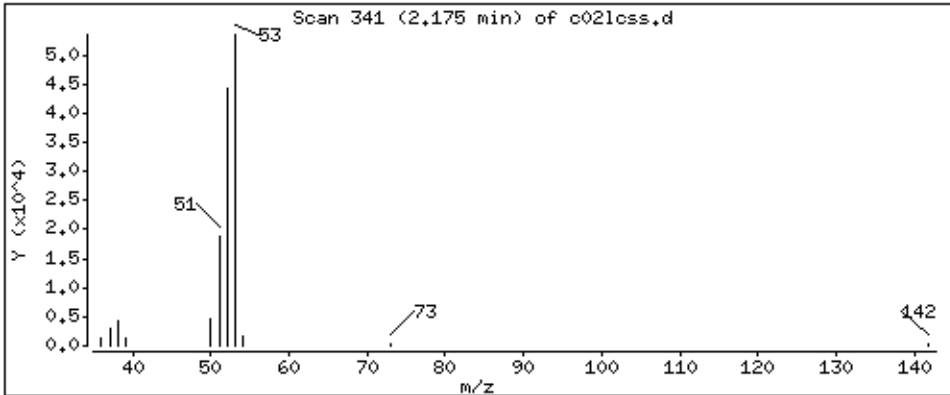
Column phase: DB-624

Column diameter: 0,18

19 Acrylonitrile

Concentration: 904 ppb

Review Code:



Date : 02-JUL-2014 22:31

Client ID: MBLCS

Instrument: 50mv3a.i

Sample Info: 1122065,71089;5

Operator: jlz

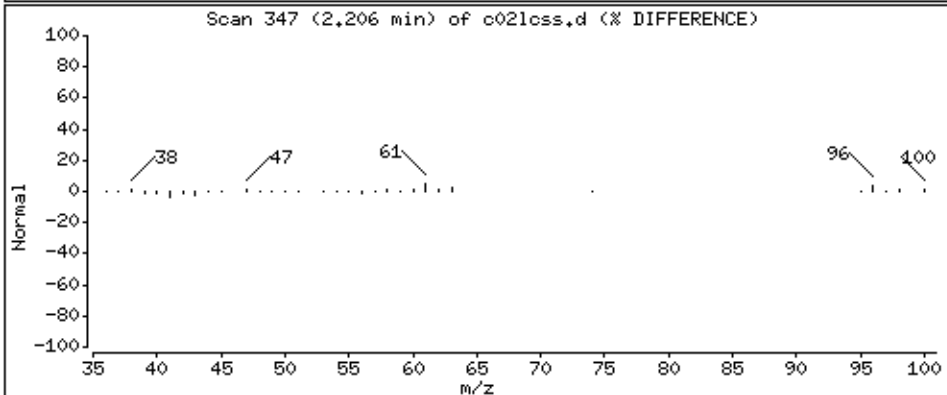
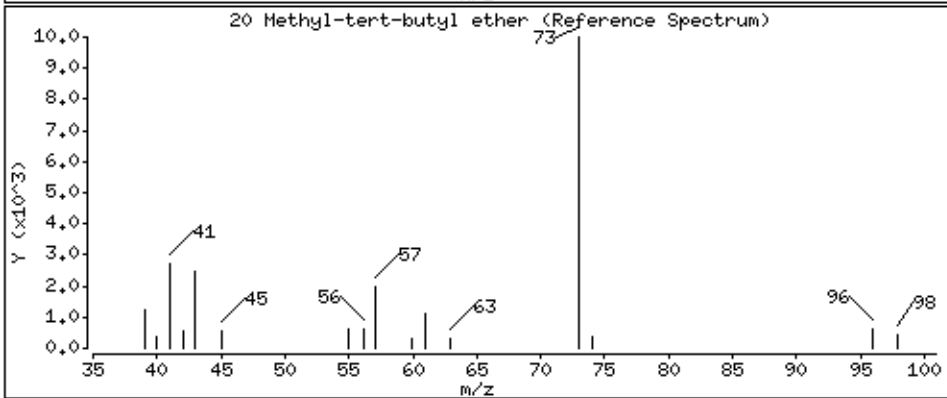
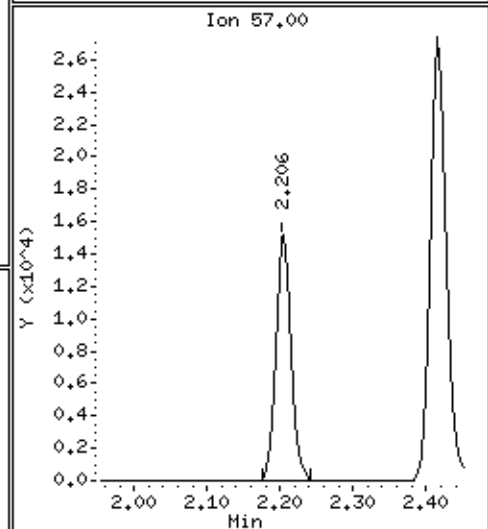
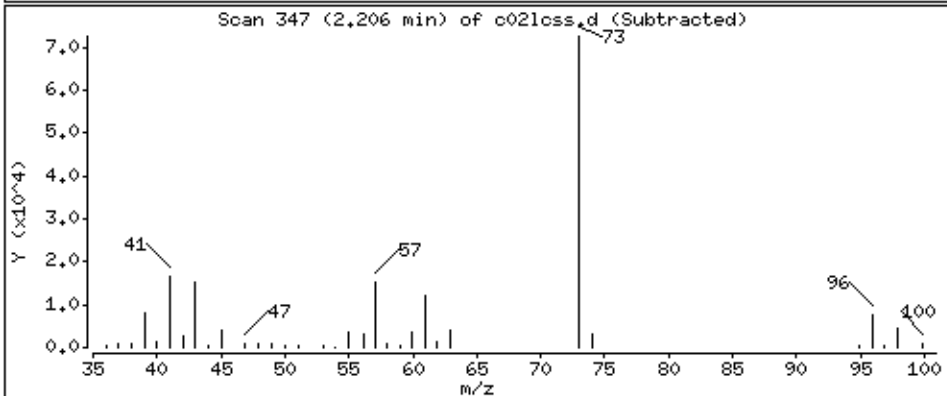
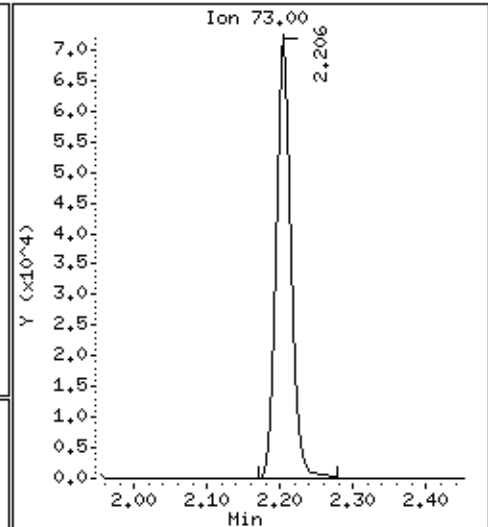
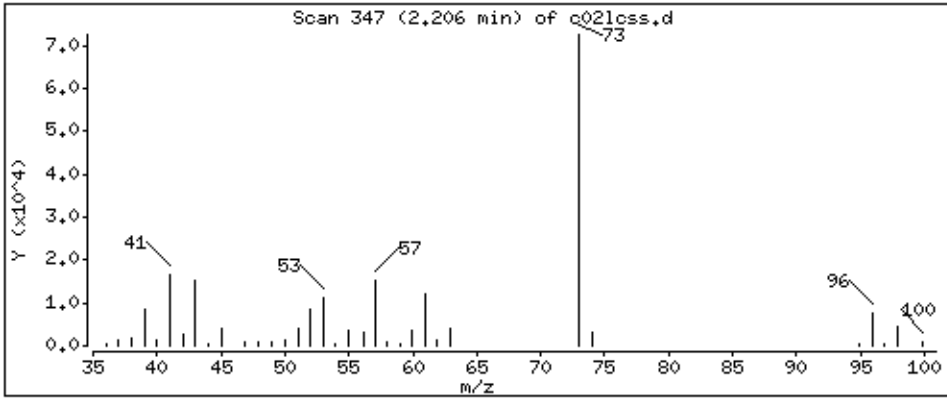
Column phase: DB-624

Column diameter: 0,18

20 Methyl-tert-butyl ether

Concentration: 87,5 ppb

Review Code:



Date : 02-JUL-2014 22:31

Client ID: MBLCS

Instrument: 50mv3a.i

Sample Info: 1122065,71089;5

Operator: jlz

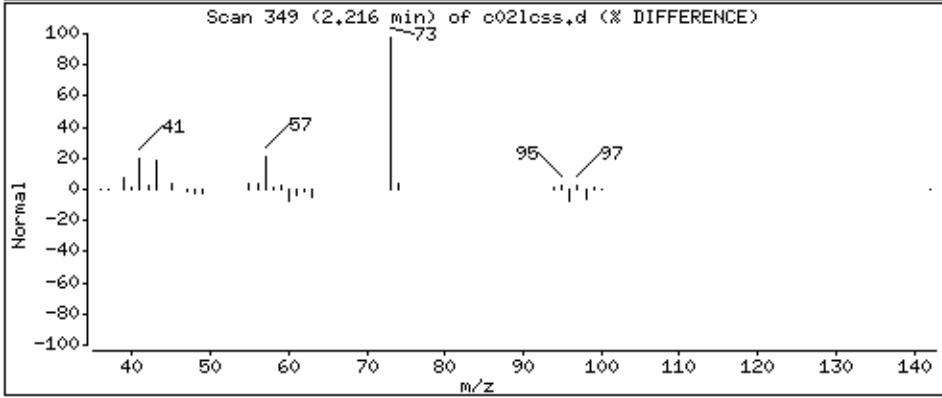
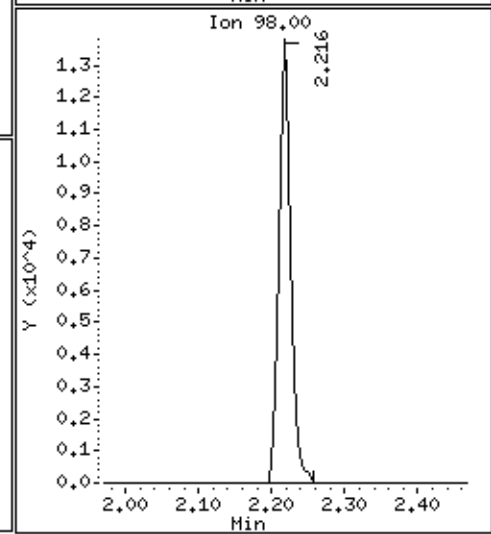
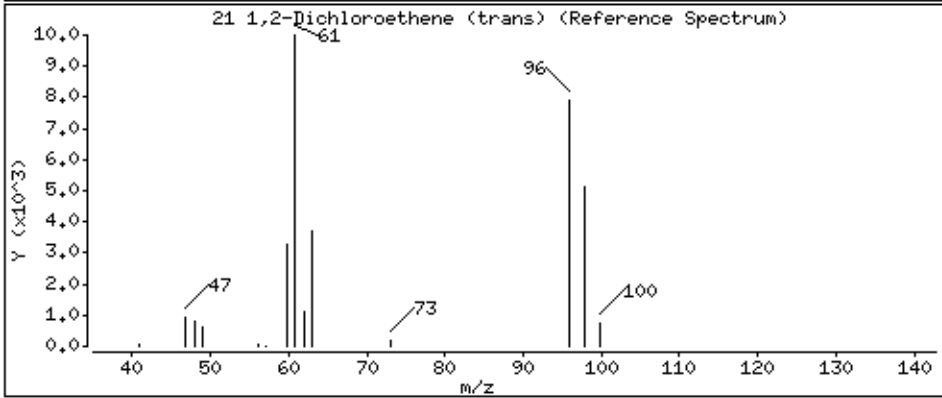
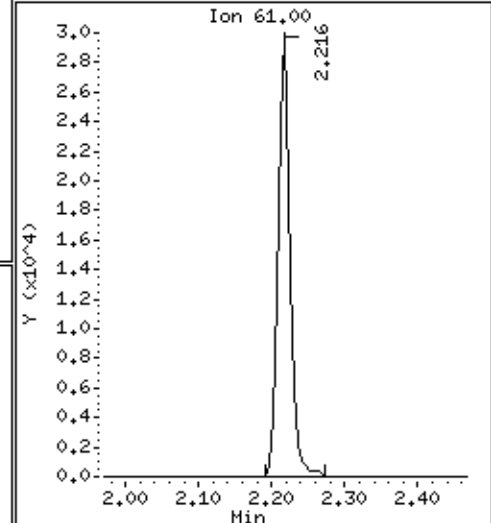
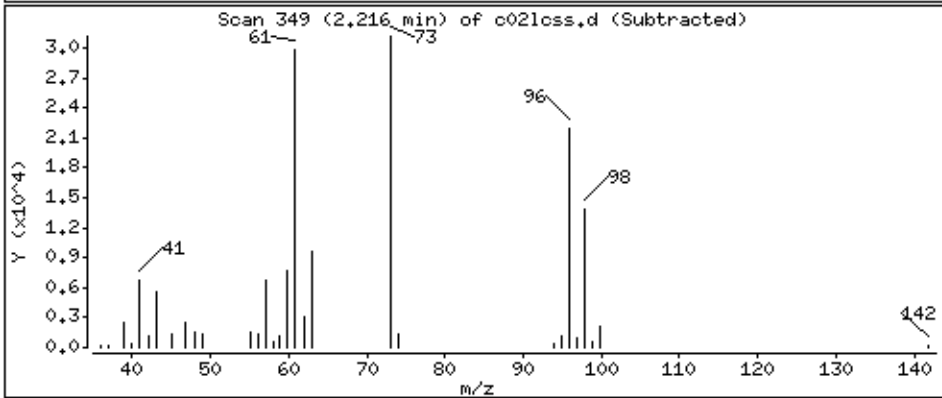
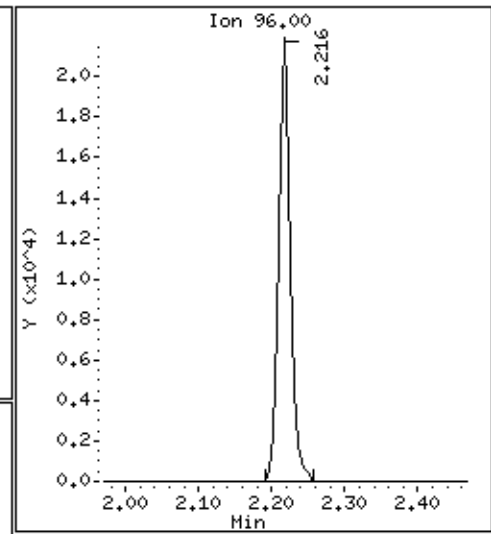
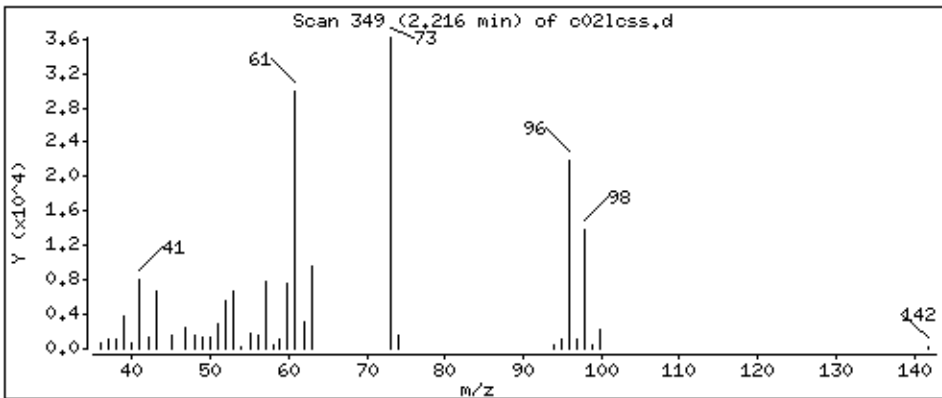
Column phase: DB-624

Column diameter: 0,18

21 1,2-Dichloroethene (trans)

Concentration: 42.6 ppb

Review Code:



Date : 02-JUL-2014 22:31

Client ID: MBLCS

Instrument: 50mw3a.i

Sample Info: 1122065,71089;5

Operator: jlz

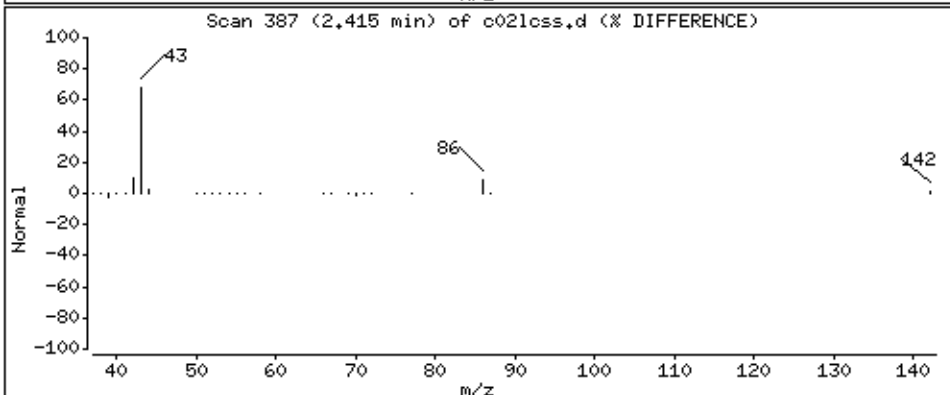
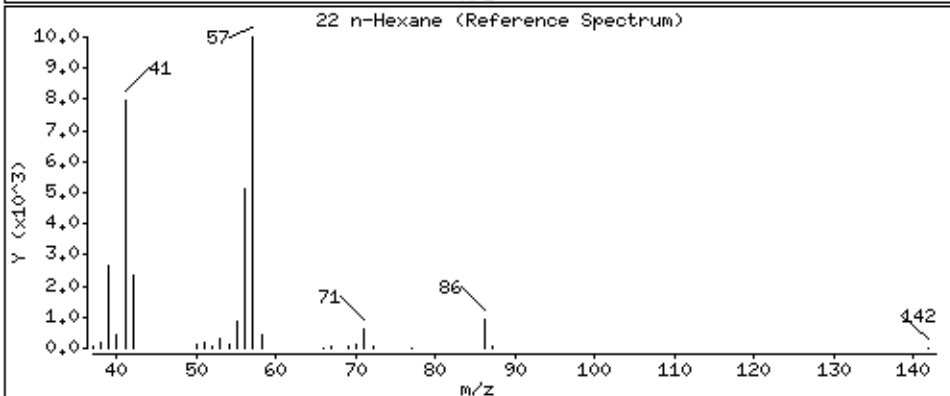
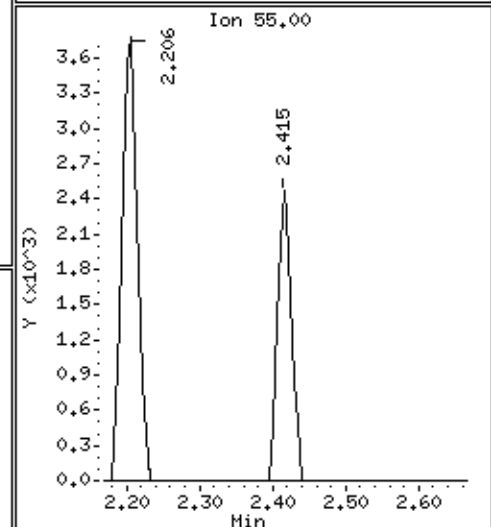
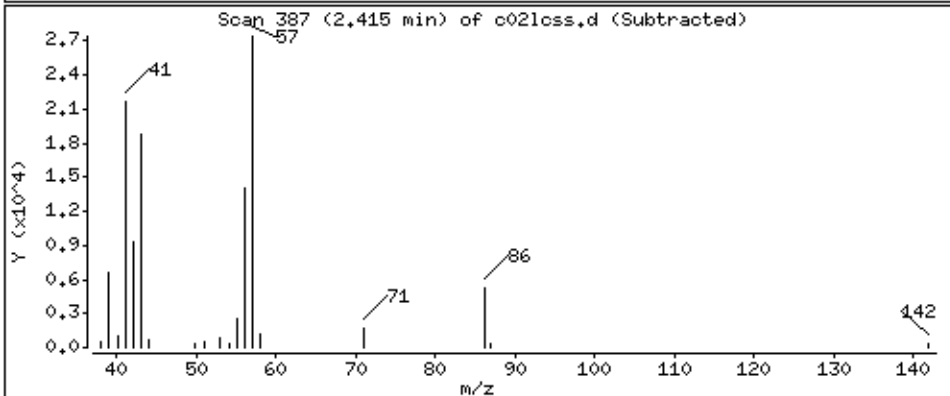
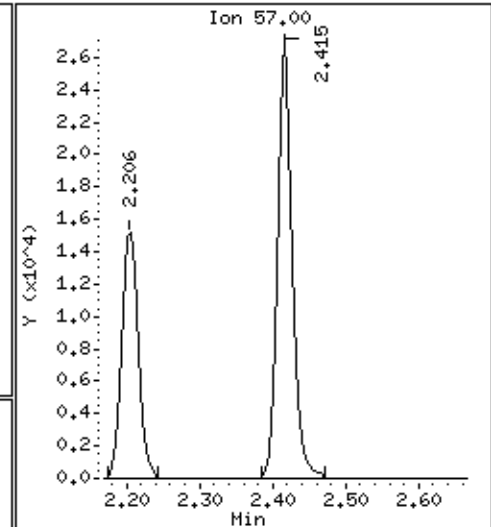
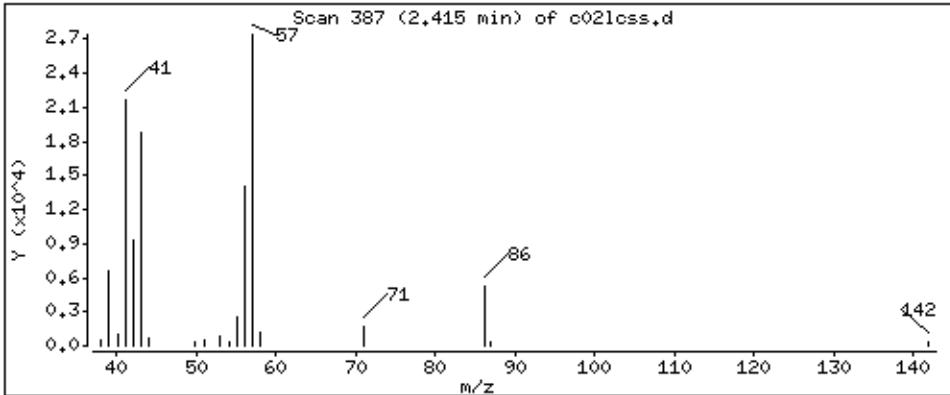
Column phase: DB-624

Column diameter: 0,18

22 n-Hexane

Concentration: 37,7 ppb

Review Code:



Date : 02-JUL-2014 22:31

Client ID: MBLCS

Instrument: 50mv3a.i

Sample Info: 1122065,71089;5

Operator: jlz

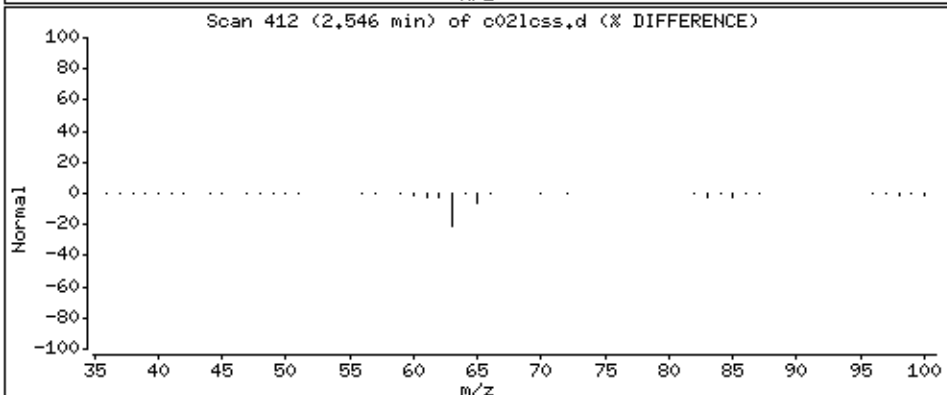
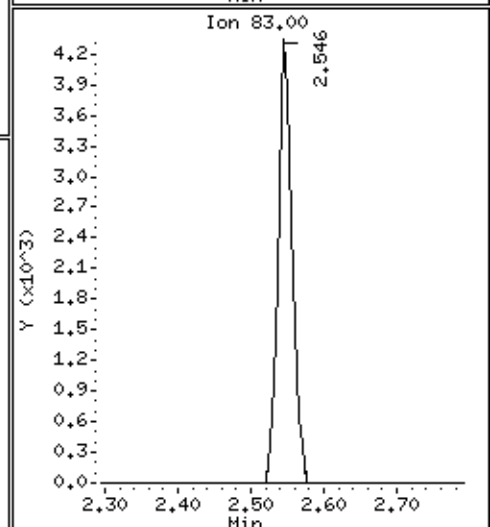
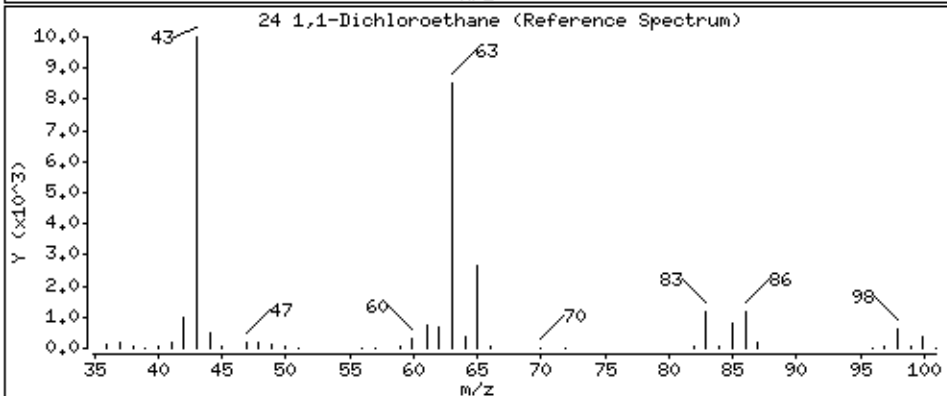
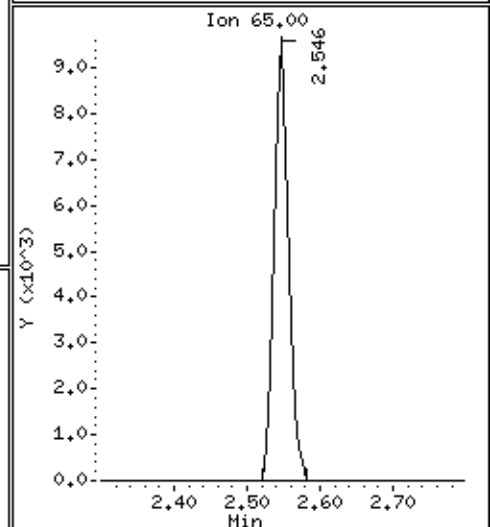
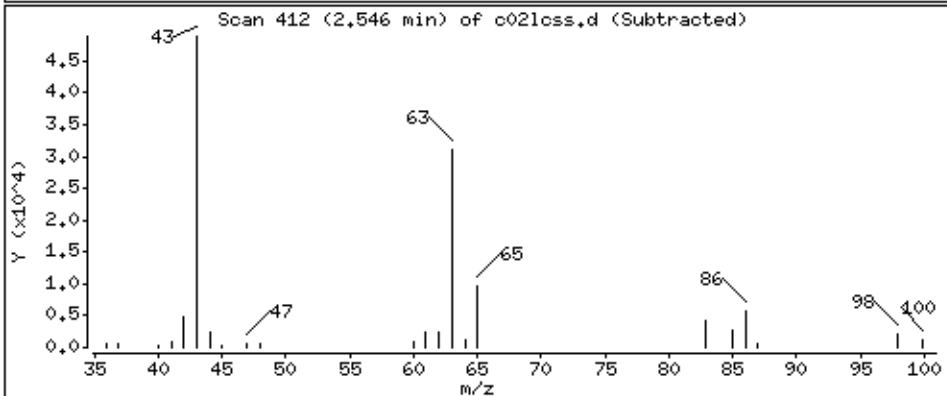
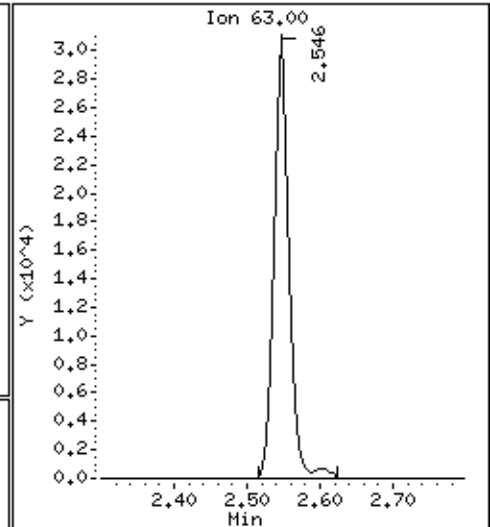
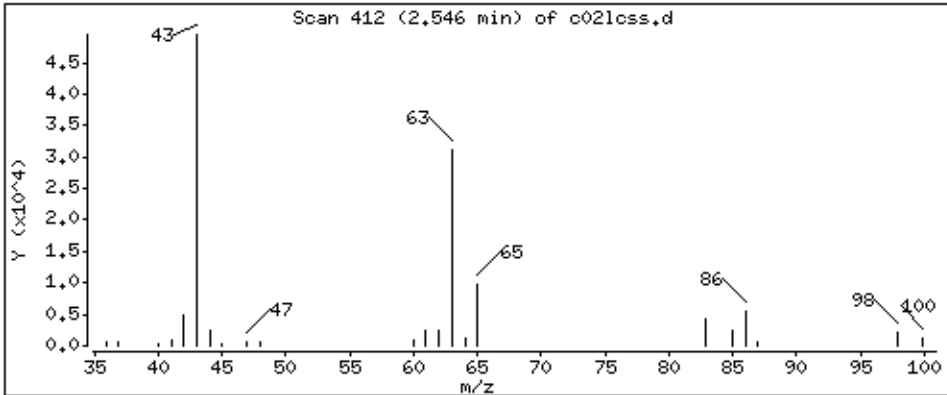
Column phase: DB-624

Column diameter: 0,18

24 1,1-Dichloroethane

Concentration: 44,4 ppb

Review Code:



Date : 02-JUL-2014 22:31

Client ID: MBLCS

Instrument: 50mw3a.i

Sample Info: 1122065,71089;5

Operator: jlz

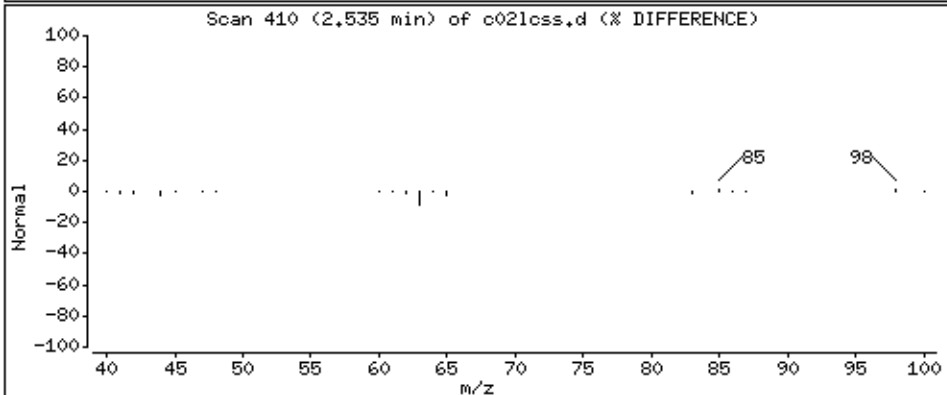
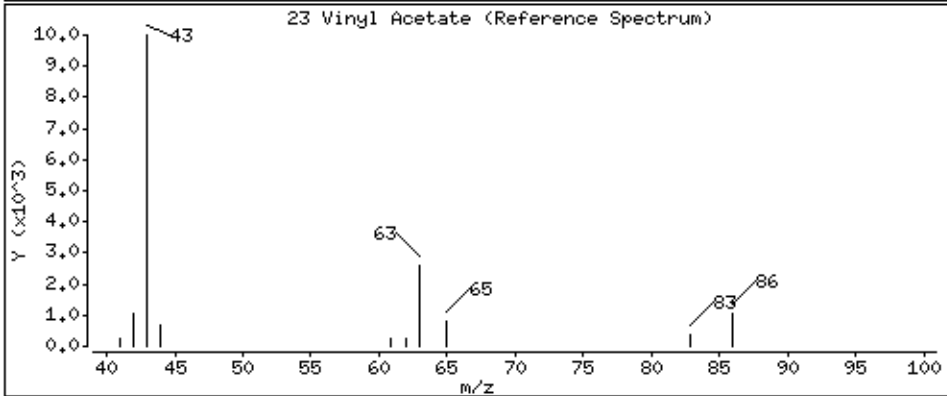
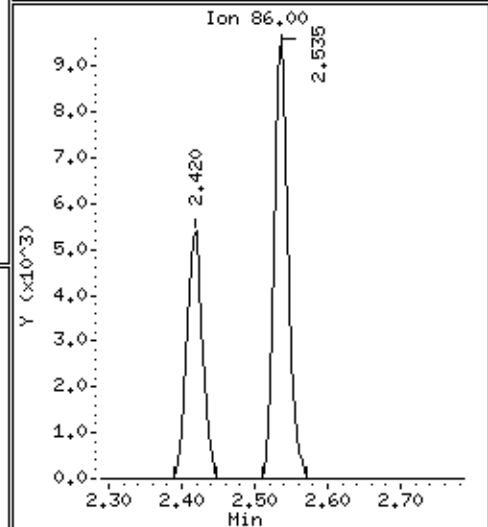
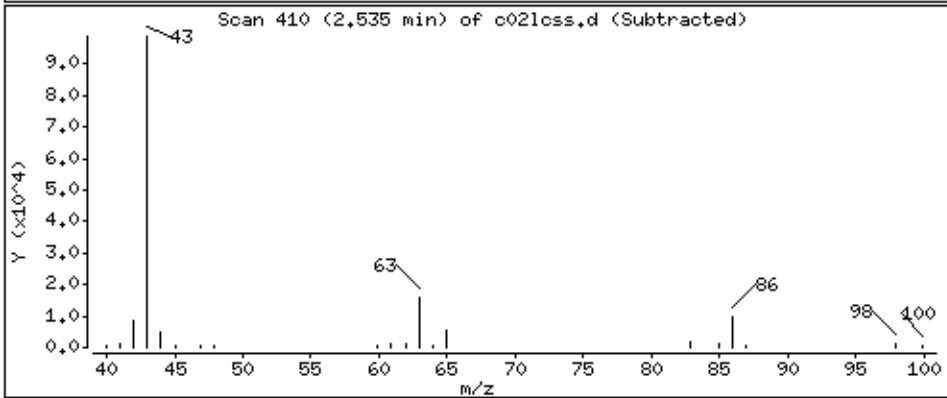
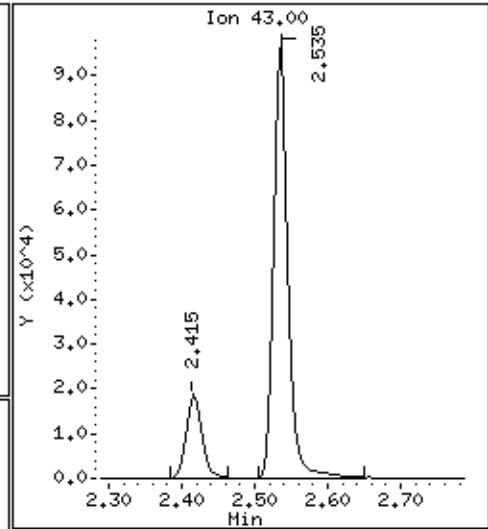
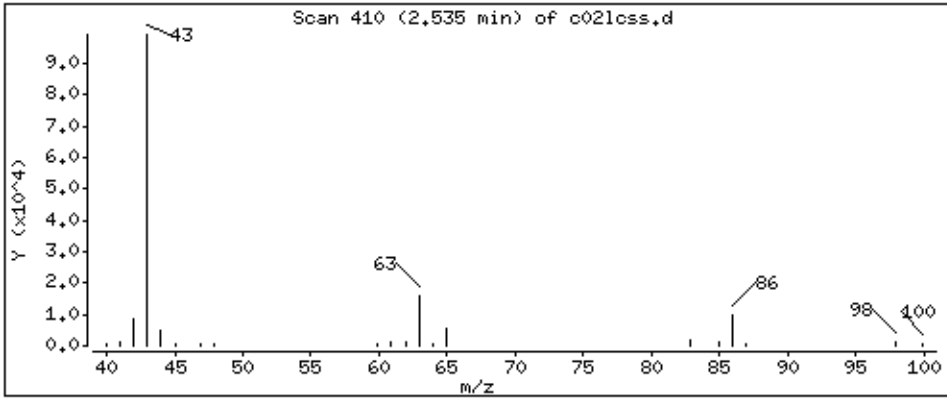
Column phase: DB-624

Column diameter: 0,18

23 Vinyl Acetate

Concentration: 188 ppb

Review Code:



Date : 02-JUL-2014 22:31

Client ID: MBLCS

Instrument: 50mv3a.i

Sample Info: 1122065,71089;5

Operator: jlz

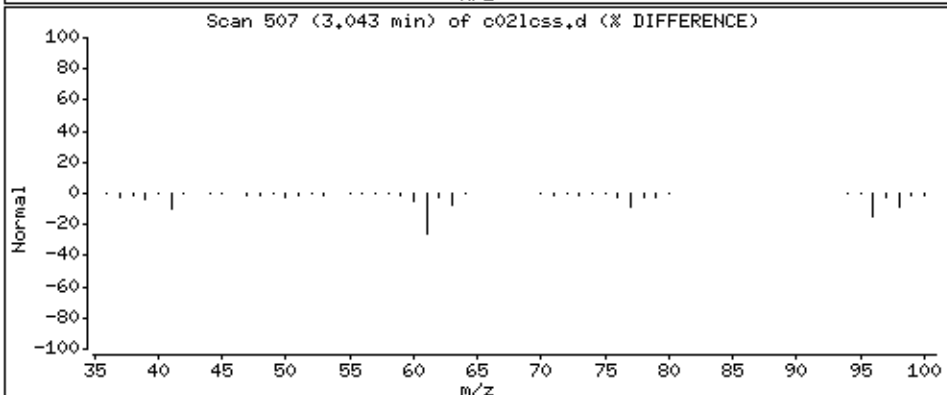
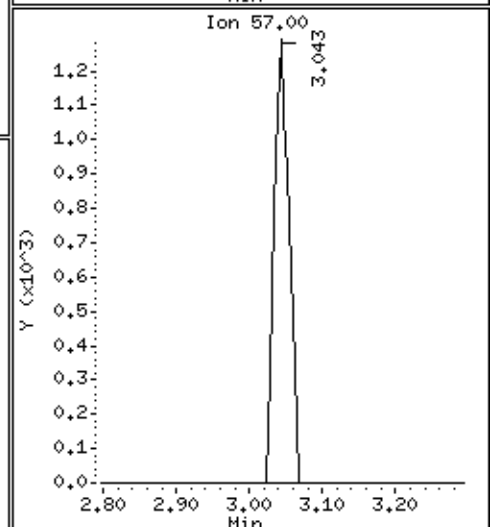
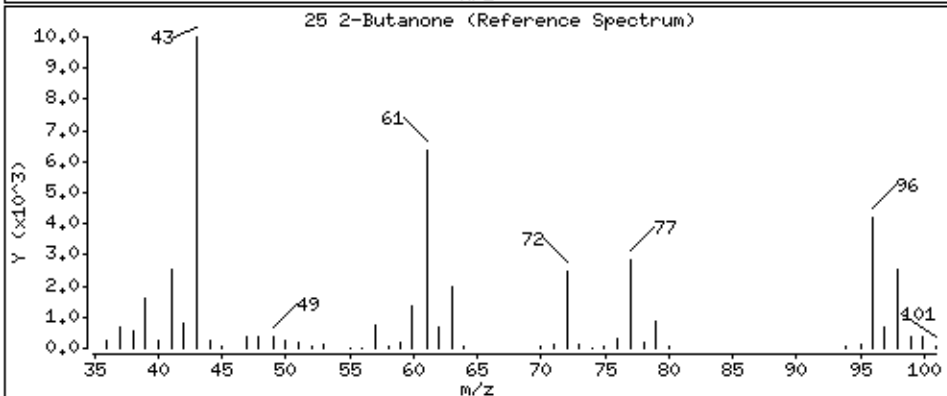
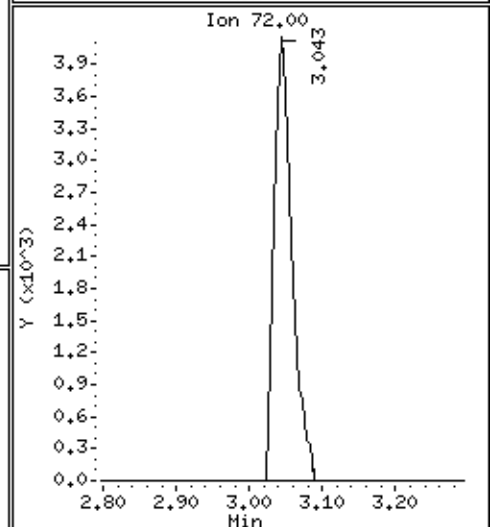
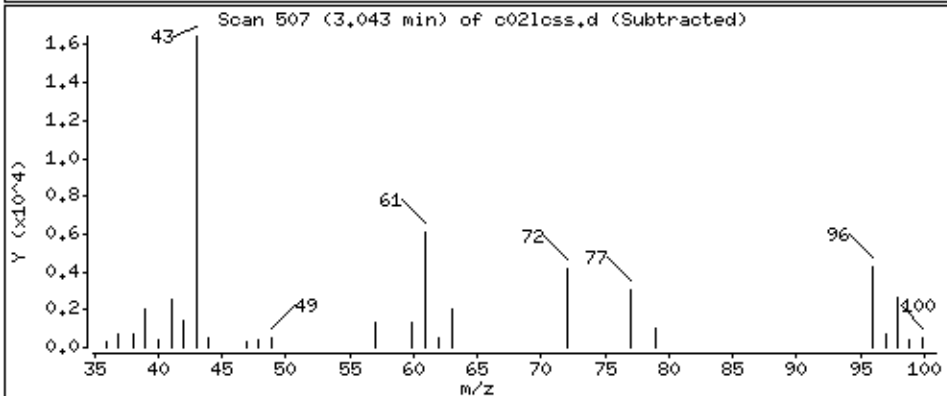
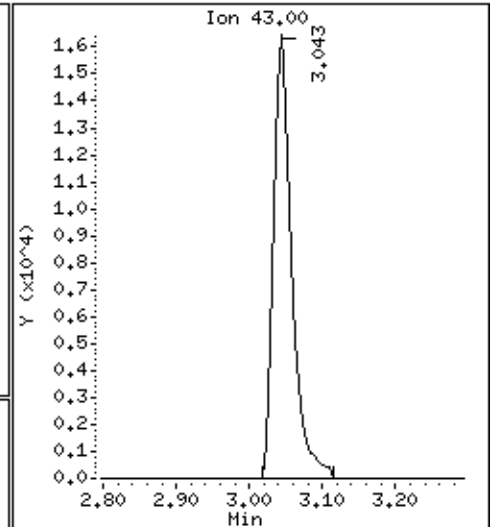
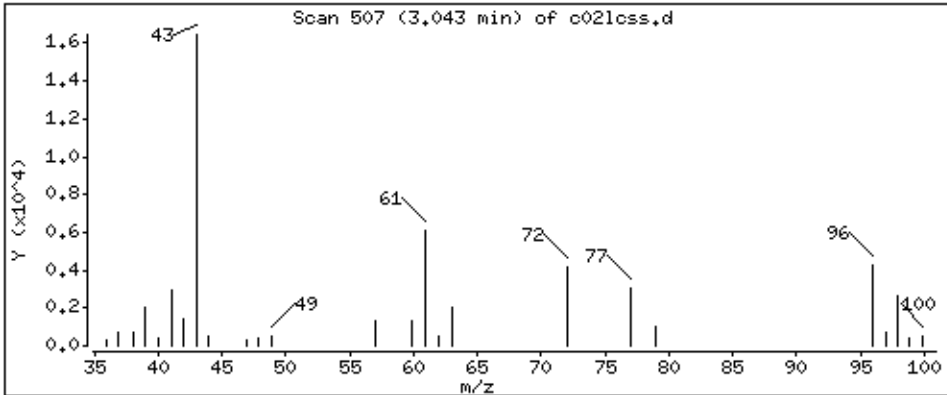
Column phase: DB-624

Column diameter: 0,18

25 2-Butanone

Concentration: 214 ppb

Review Code:



Date : 02-JUL-2014 22:31

Client ID: MBLCS

Instrument: 50mw3a.i

Sample Info: 1122065,71089;5

Operator: jlz

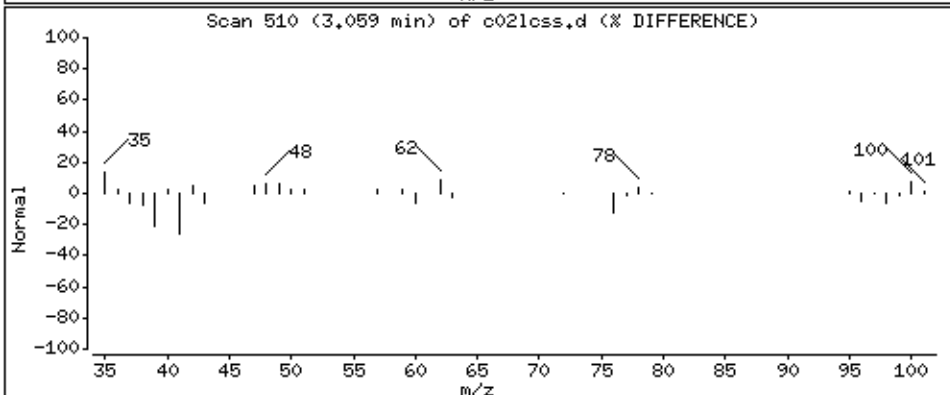
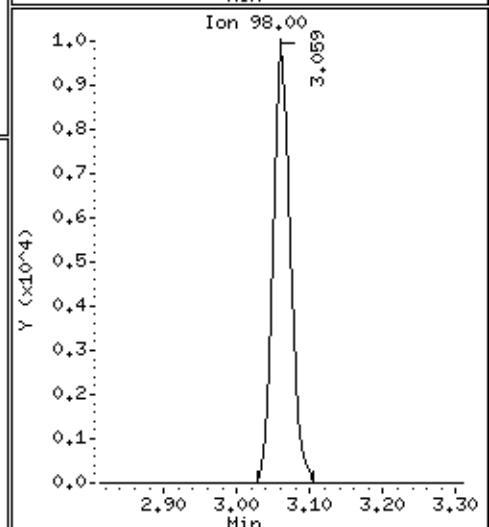
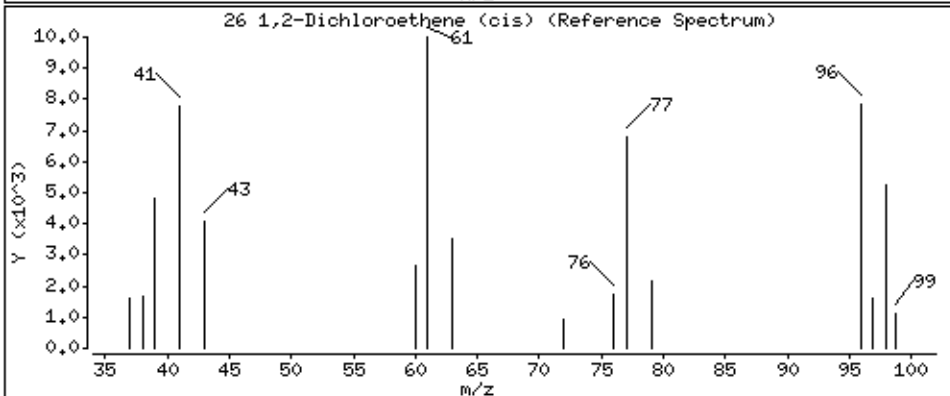
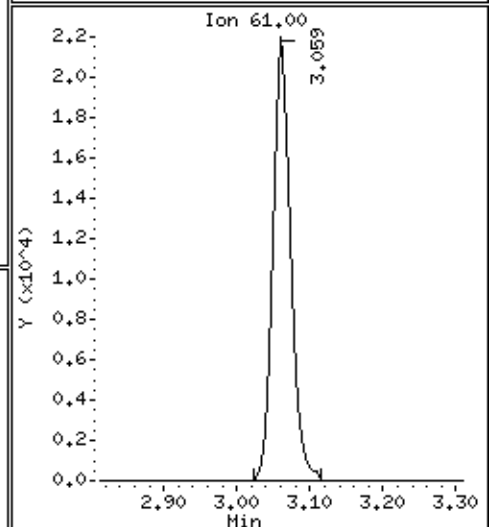
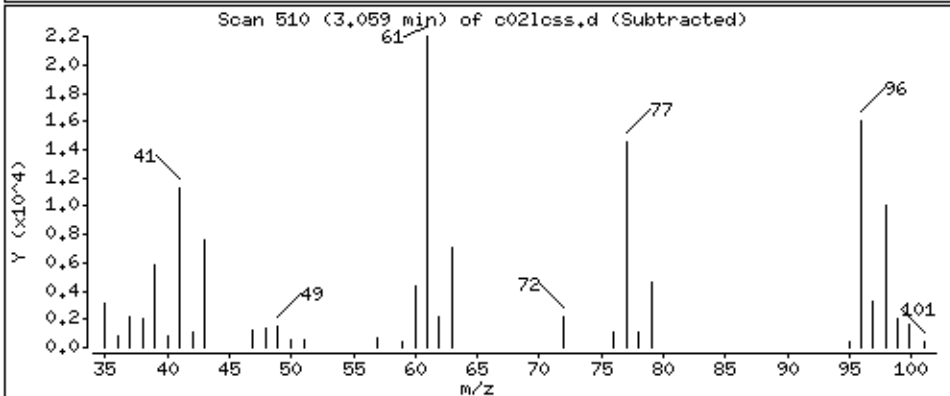
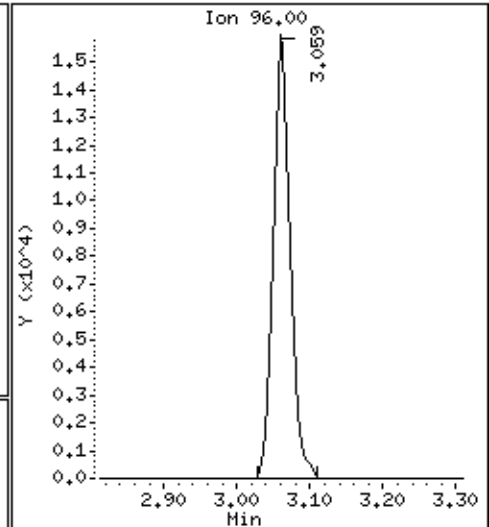
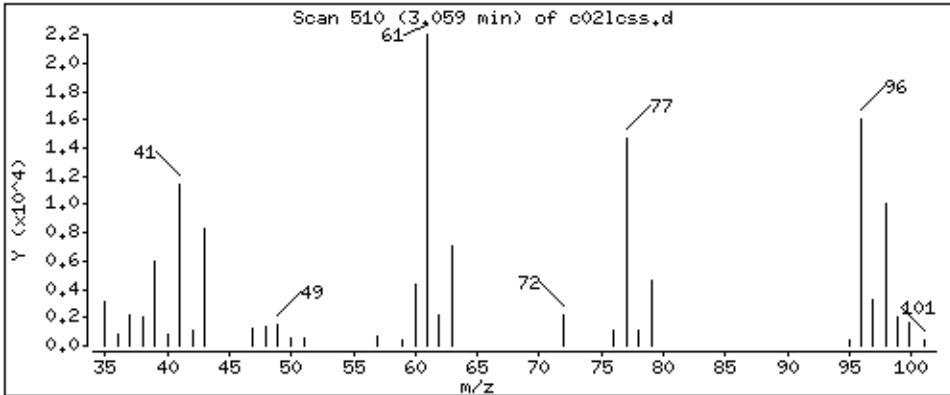
Column phase: DB-624

Column diameter: 0,18

26 1,2-Dichloroethene (cis)

Concentration: 43,0 ppb

Review Code:



Date : 02-JUL-2014 22:31

Client ID: MBLCS

Instrument: 50mw3a.i

Sample Info: 1122065,71089;5

Operator: jlz

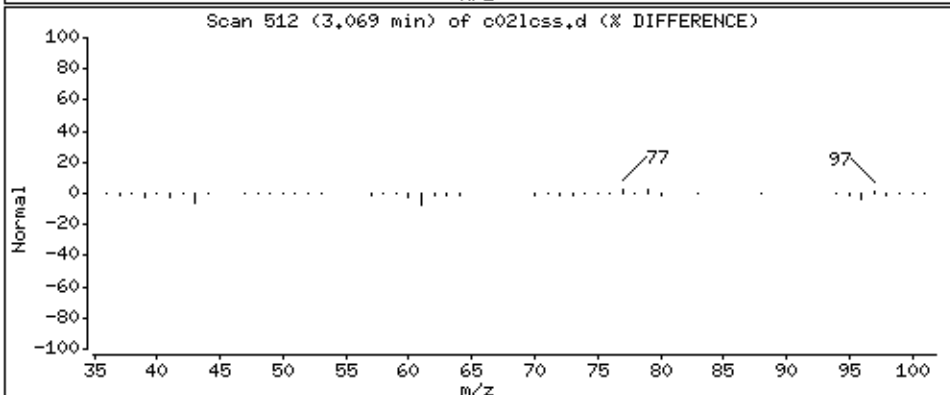
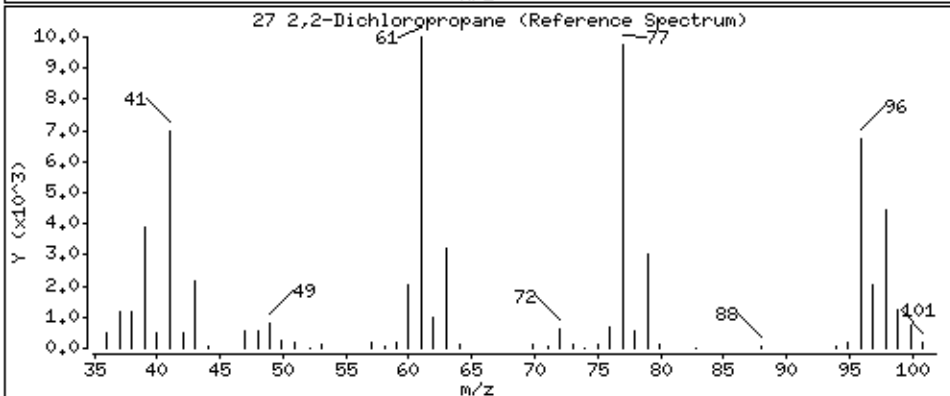
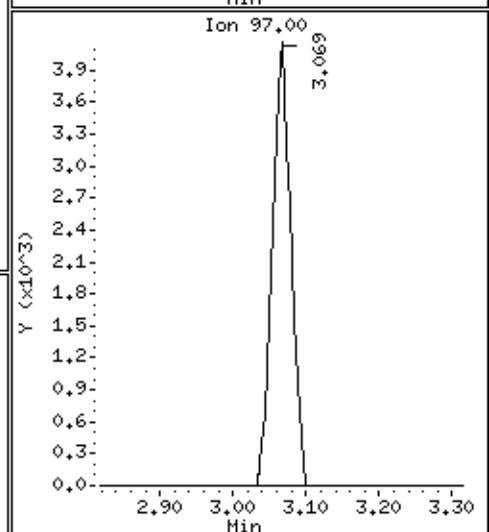
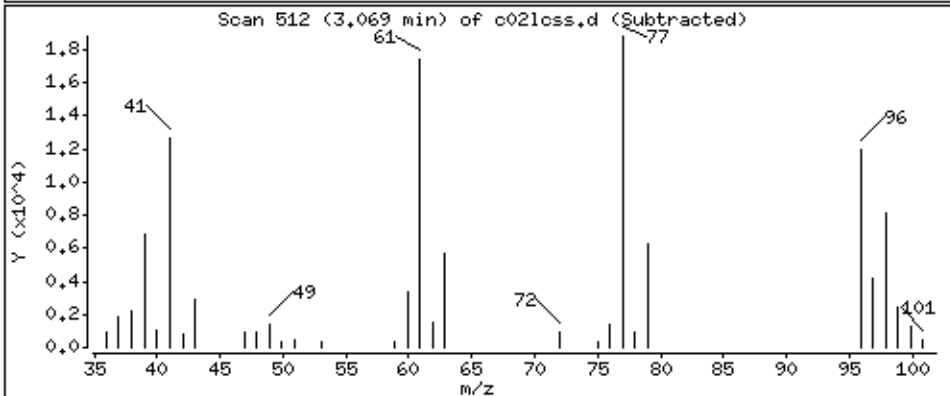
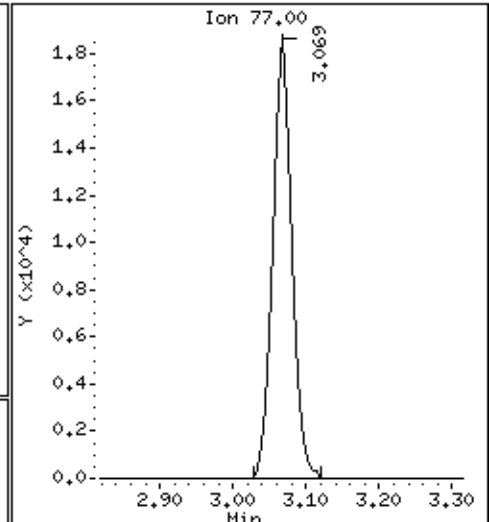
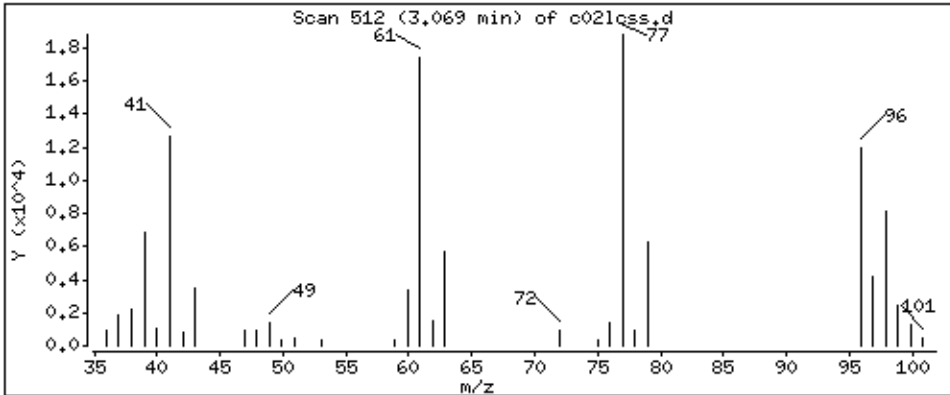
Column phase: DB-624

Column diameter: 0,18

27 2,2-Dichloropropane

Concentration: 45,8 ppb

Review Code:



Date : 02-JUL-2014 22:31

Client ID: MBLCS

Instrument: 50mw3a.i

Sample Info: 1122065,71089;5

Operator: jlz

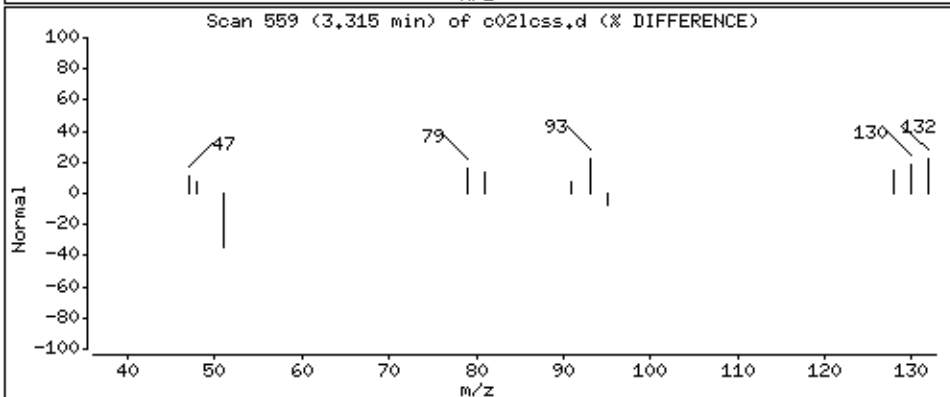
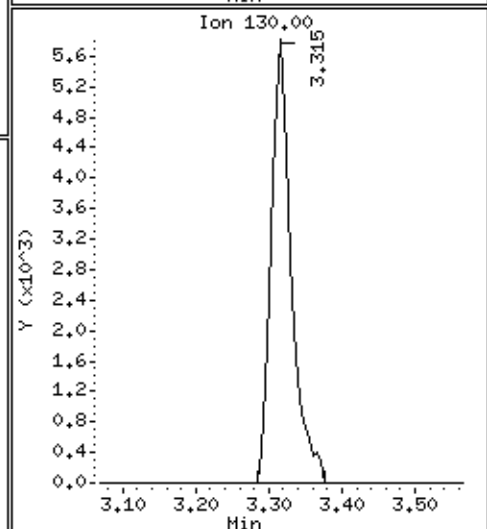
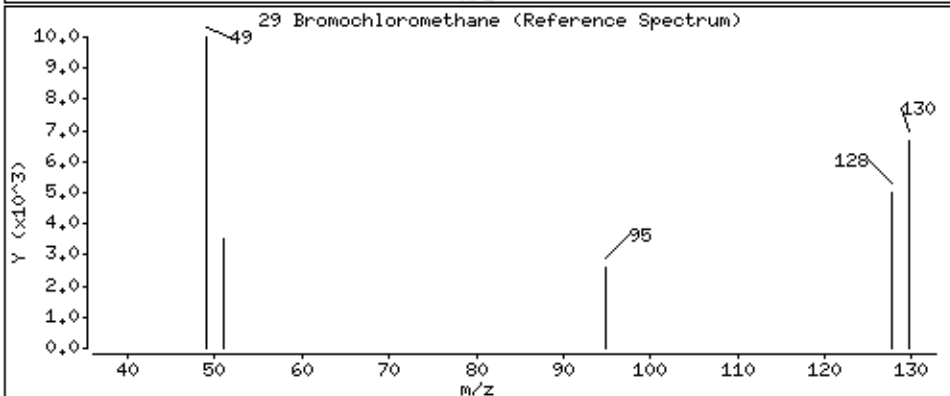
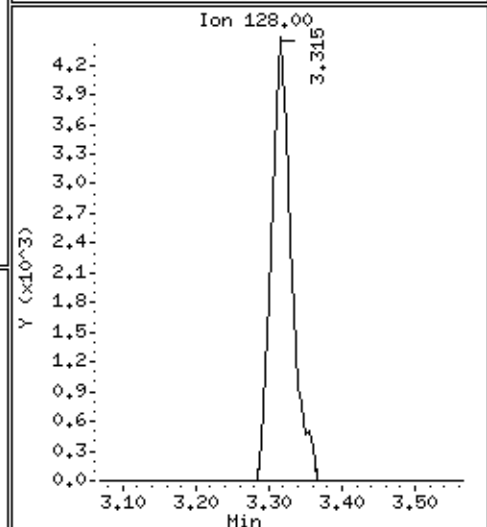
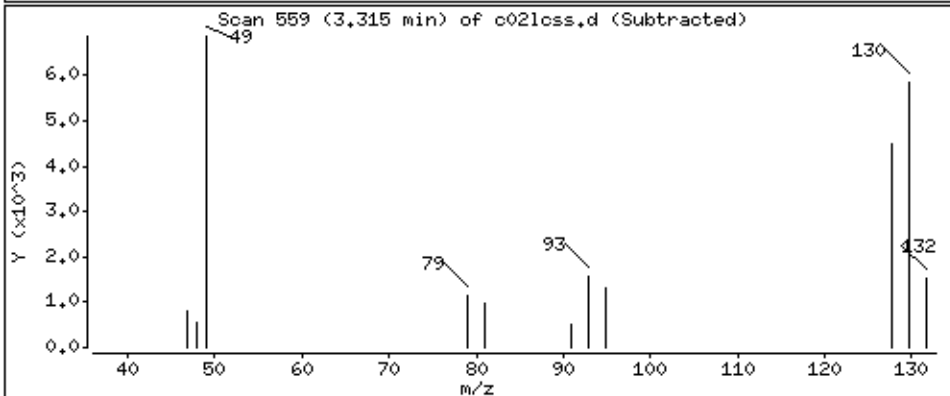
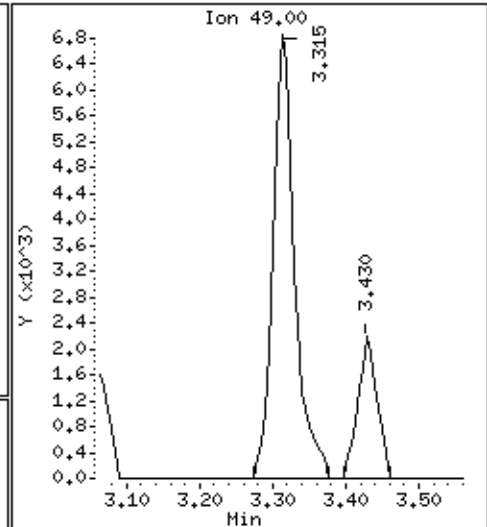
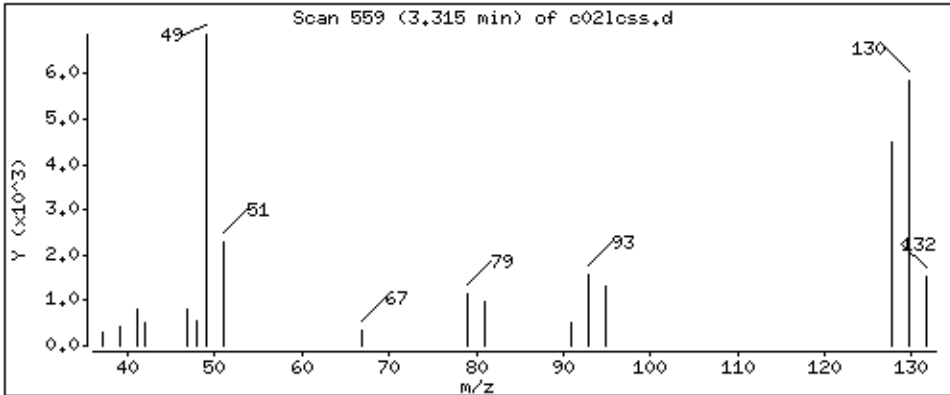
Column phase: DB-624

Column diameter: 0,18

29 Bromochloromethane

Concentration: 45,7 ppb

Review Code:



Date : 02-JUL-2014 22:31

Client ID: MBLCS

Instrument: 50mw3a.i

Sample Info: 1122065,71089;5

Operator: jlz

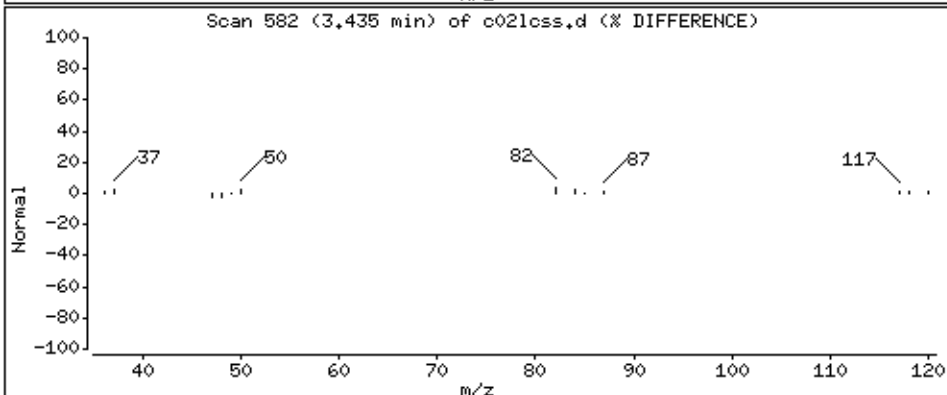
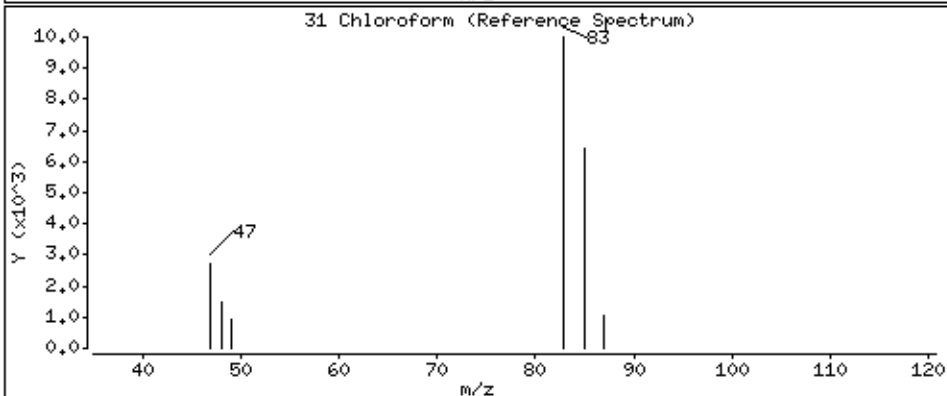
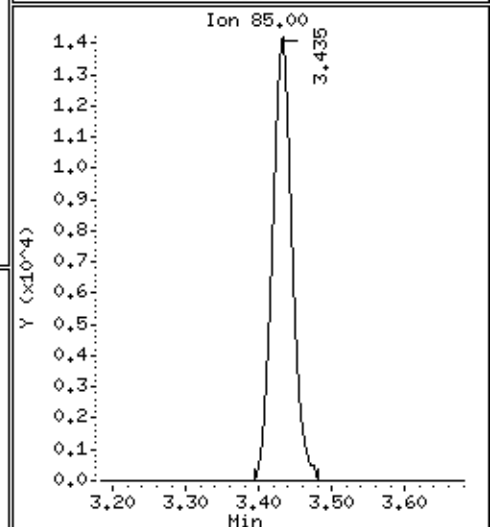
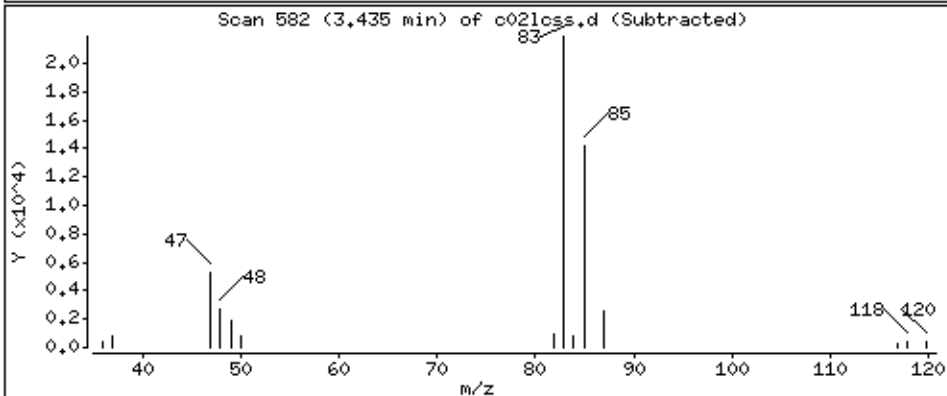
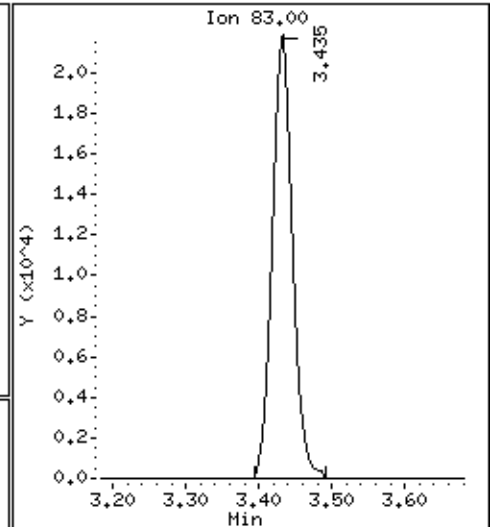
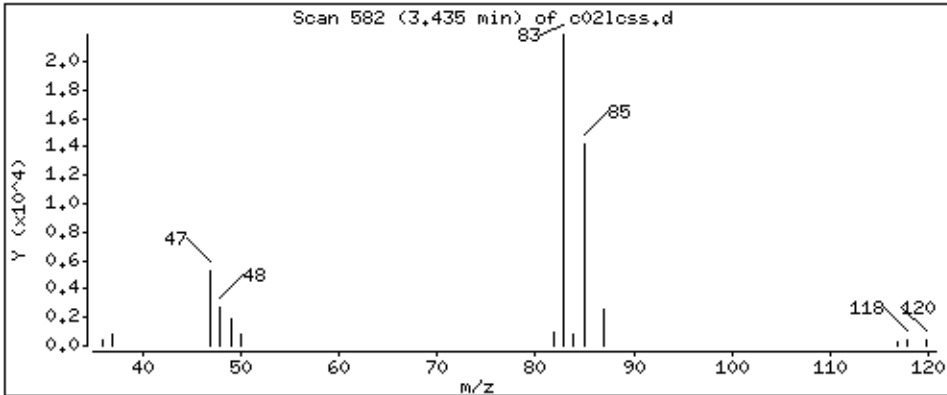
Column phase: DB-624

Column diameter: 0,18

31 Chloroform

Concentration: 42,8 ppb

Review Code:



Date : 02-JUL-2014 22:31

Client ID: MBLCS

Instrument: 50mv3a.i

Sample Info: 1122065,71089;5

Operator: jlz

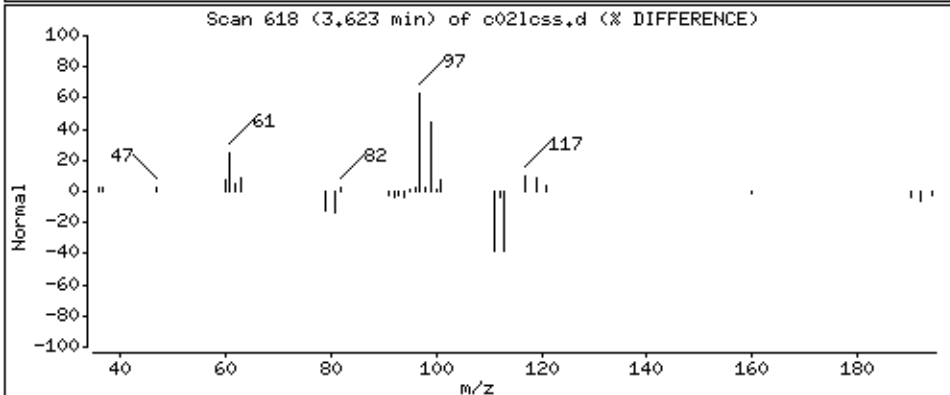
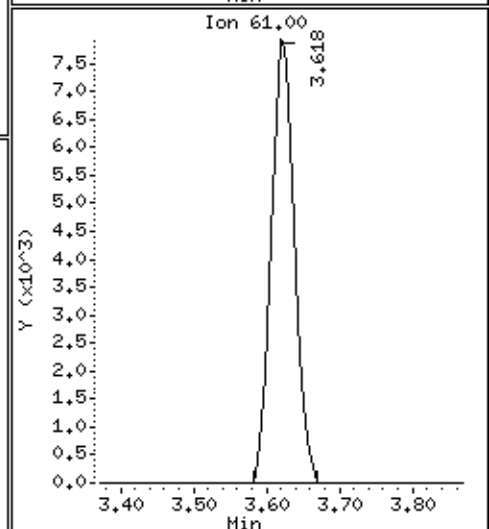
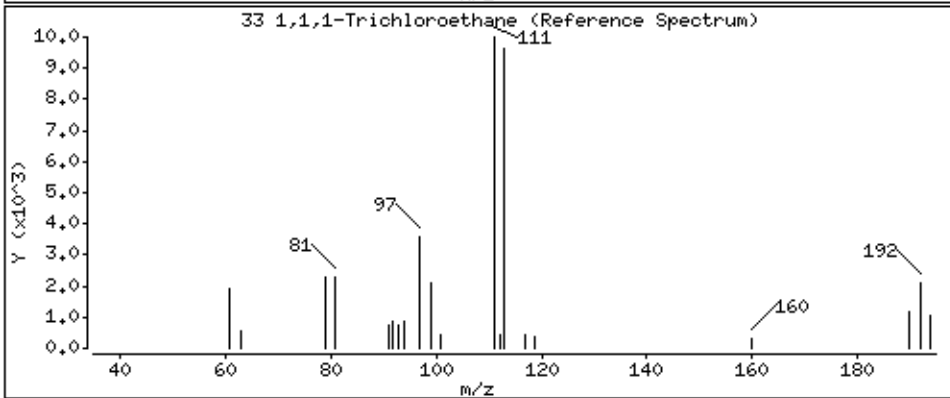
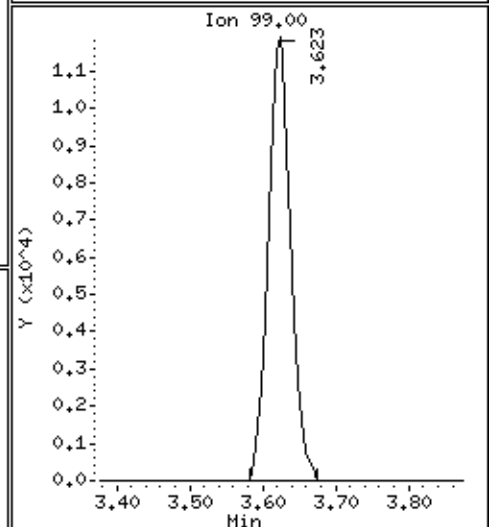
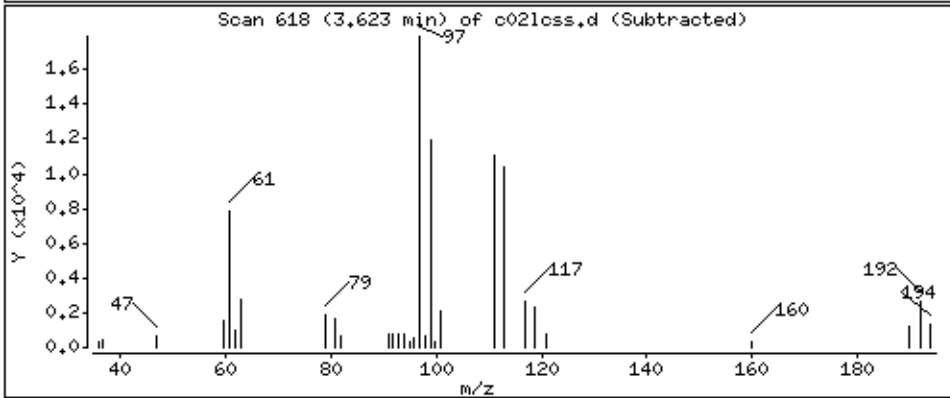
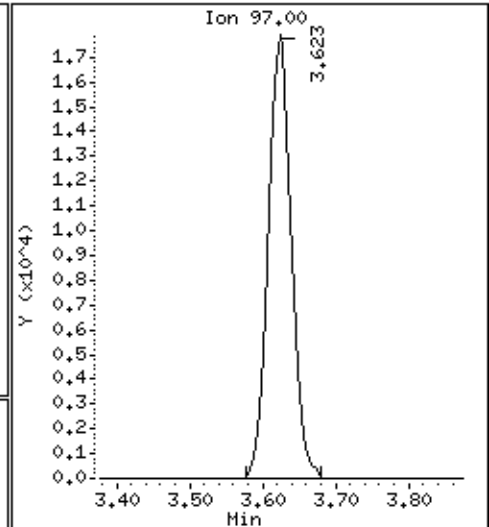
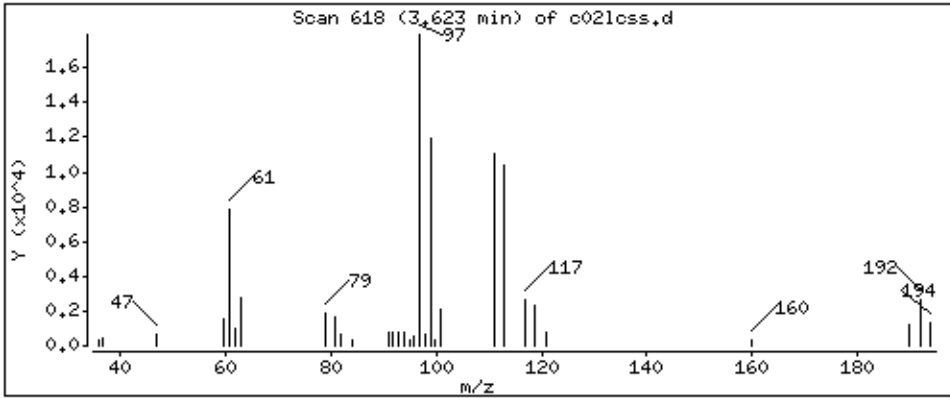
Column phase: DB-624

Column diameter: 0,18

33 1,1,1-Trichloroethane

Concentration: 44,4 ppb

Review Code:



Date : 02-JUL-2014 22:31

Client ID: MBLCS

Instrument: 50mv3a.i

Sample Info: 1122065,71089;5

Operator: jlz

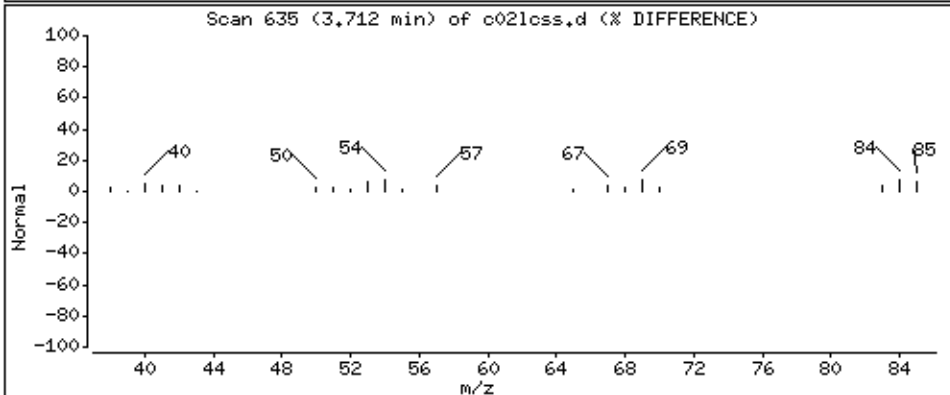
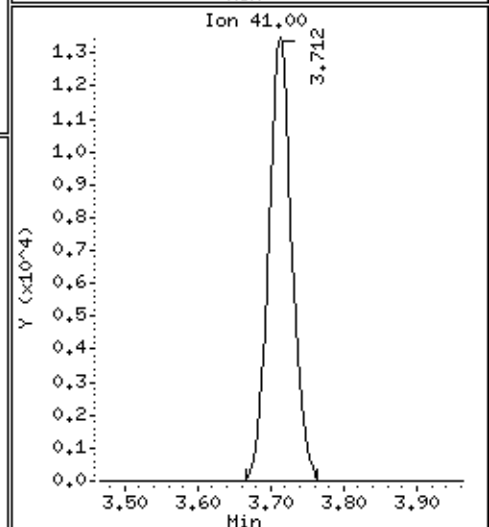
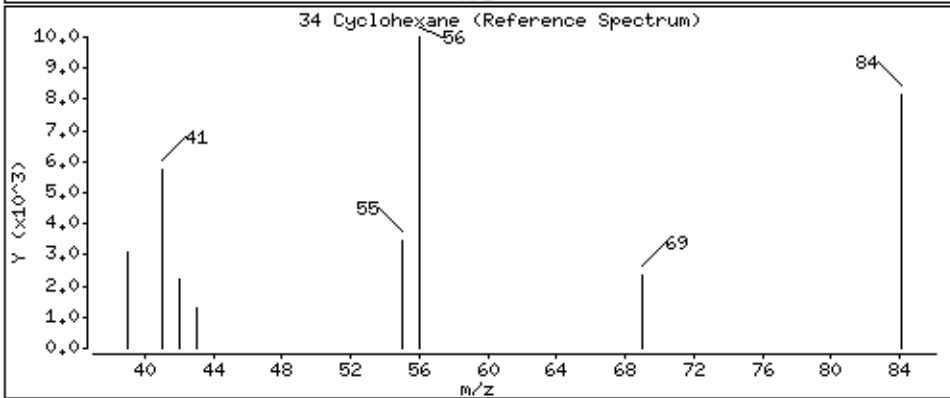
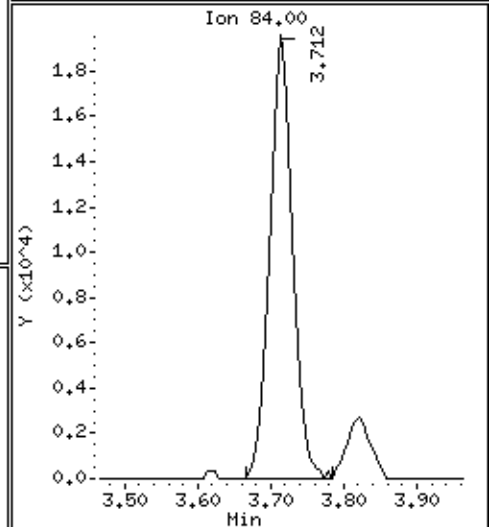
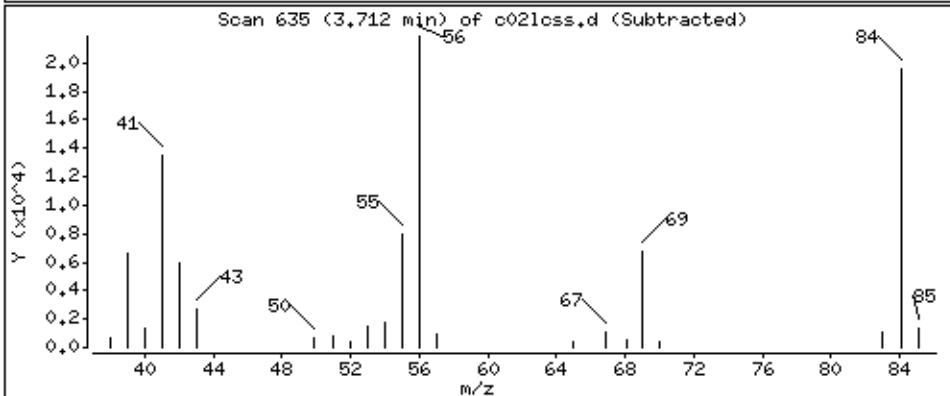
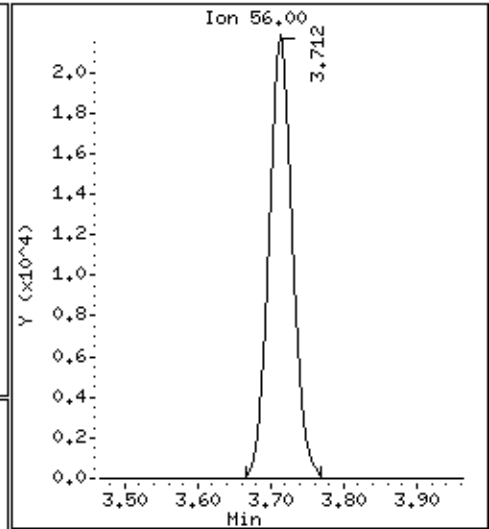
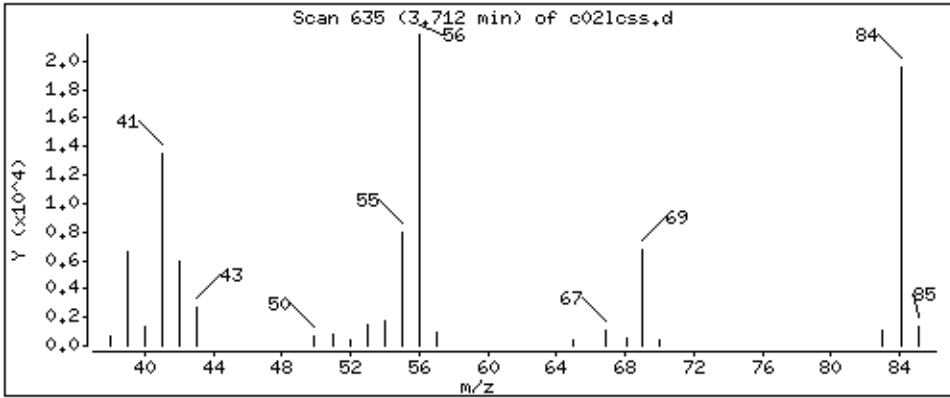
Column phase: DB-624

Column diameter: 0,18

34 Cyclohexane

Concentration: 47.2 ppb

Review Code:



Date : 02-JUL-2014 22:31

Client ID: MBLCS

Instrument: 50mv3a.i

Sample Info: 1122065,71089;5

Operator: jlz

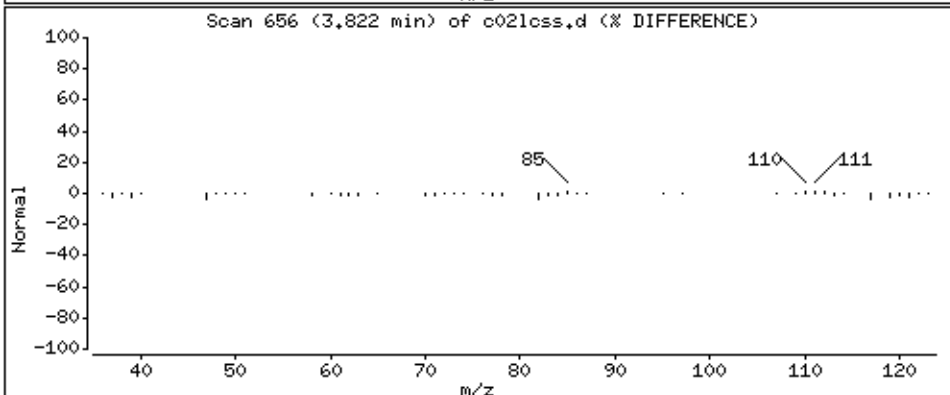
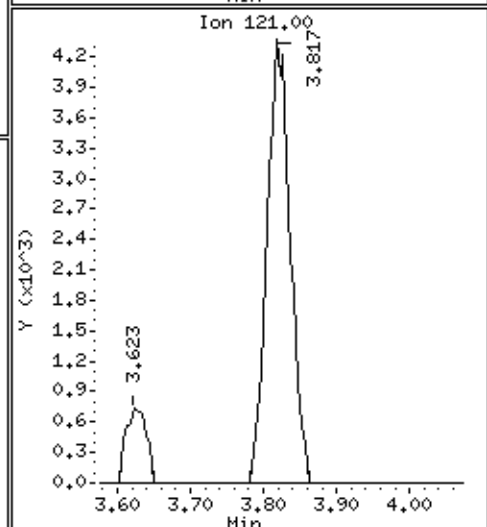
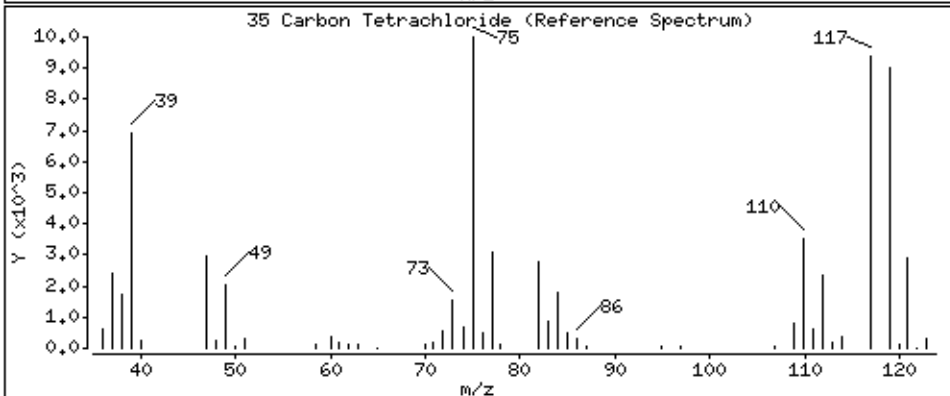
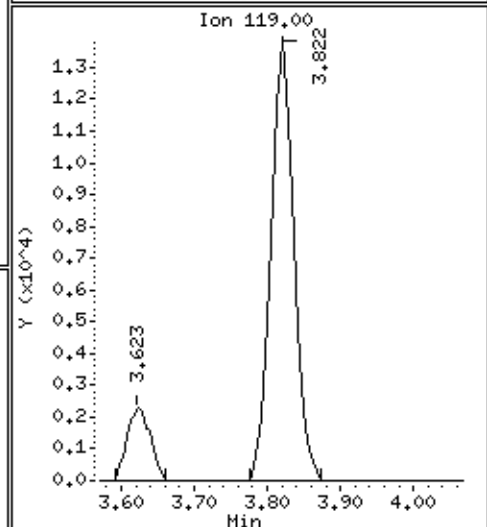
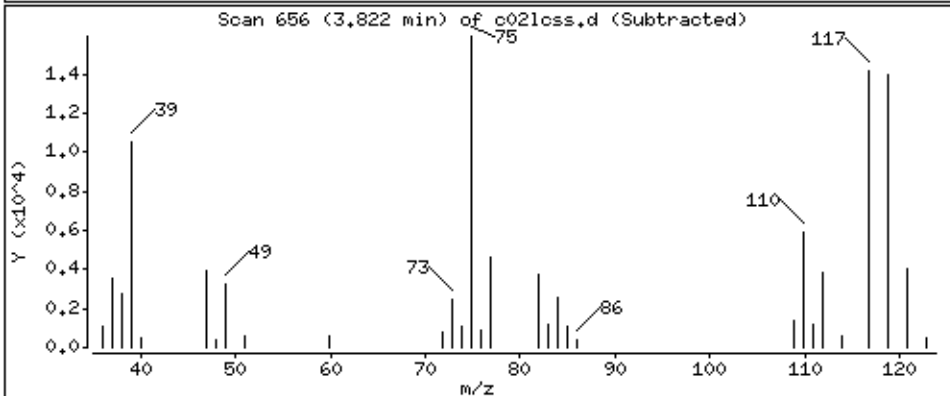
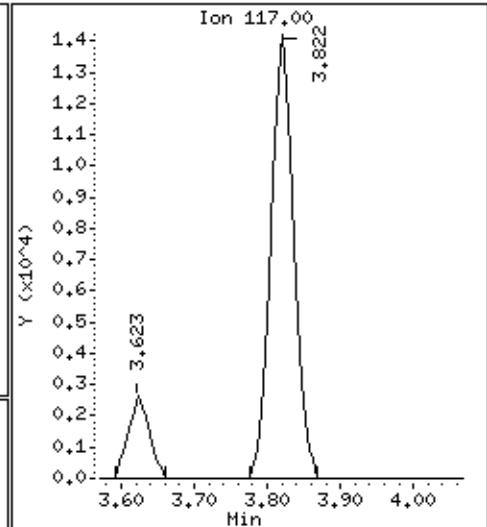
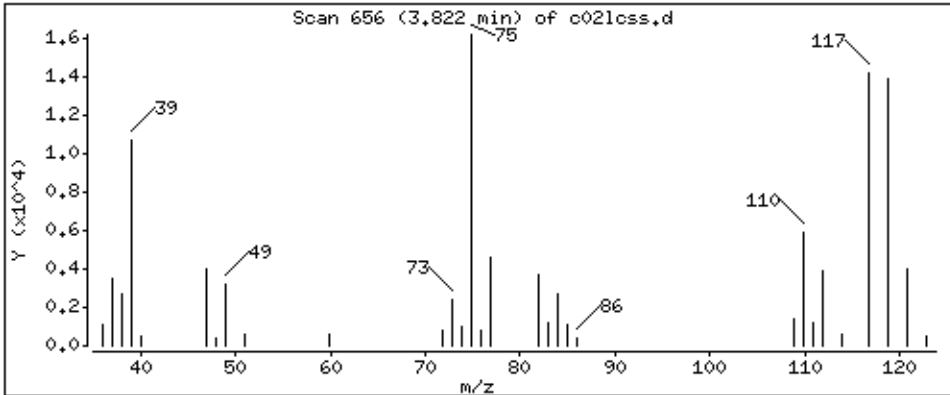
Column phase: DB-624

Column diameter: 0,18

35 Carbon Tetrachloride

Concentration: 42.4 ppb

Review Code:



Date : 02-JUL-2014 22:31

Client ID: MBLCS

Instrument: 50mv3a.i

Sample Info: 1122065,71089;5

Operator: jlz

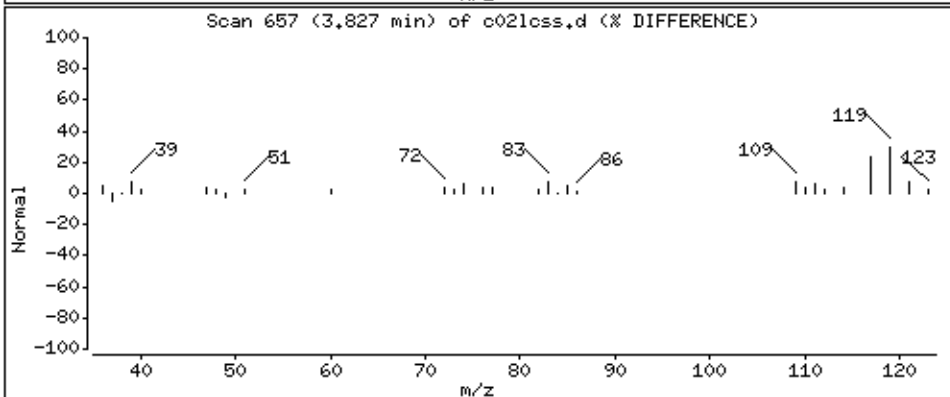
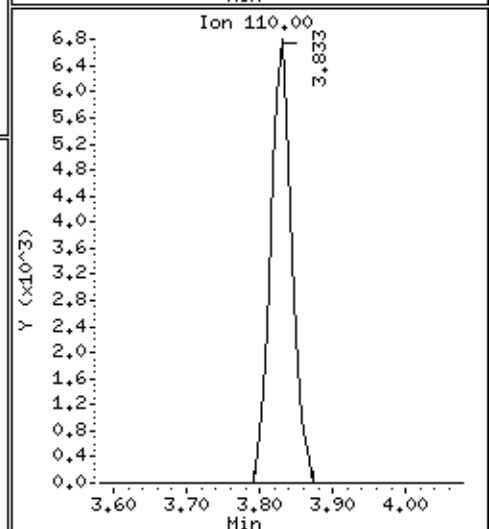
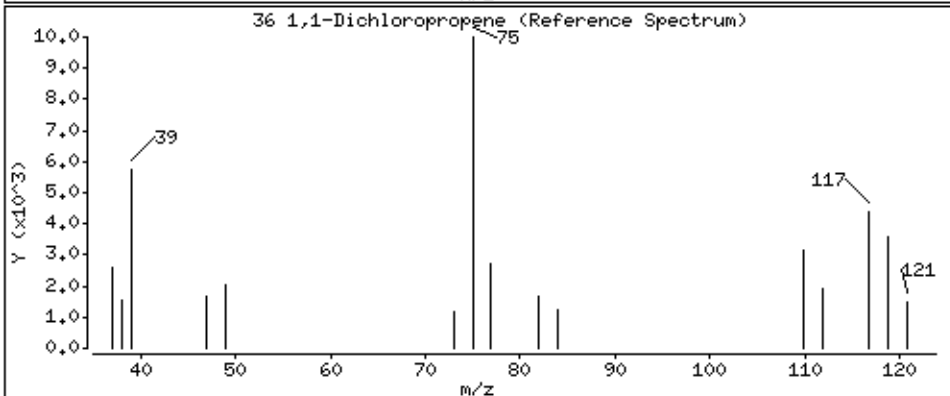
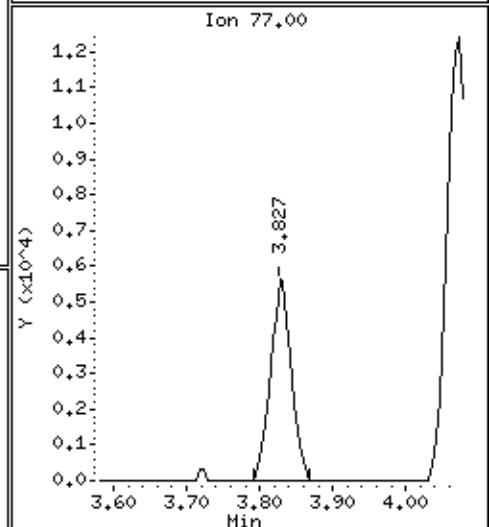
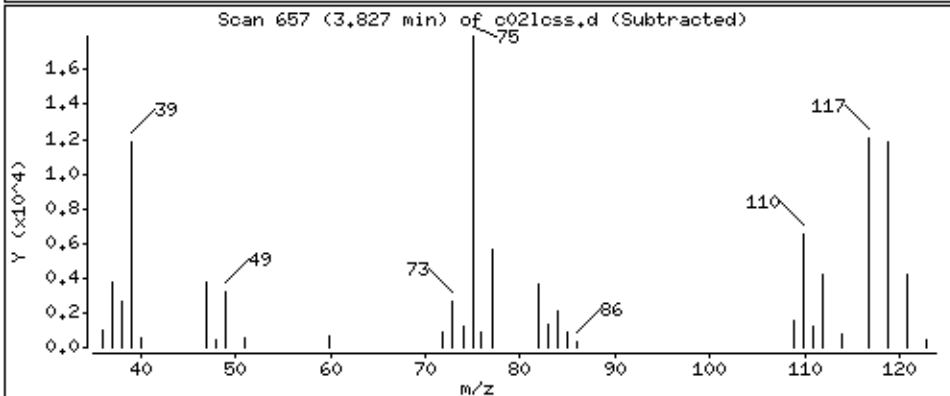
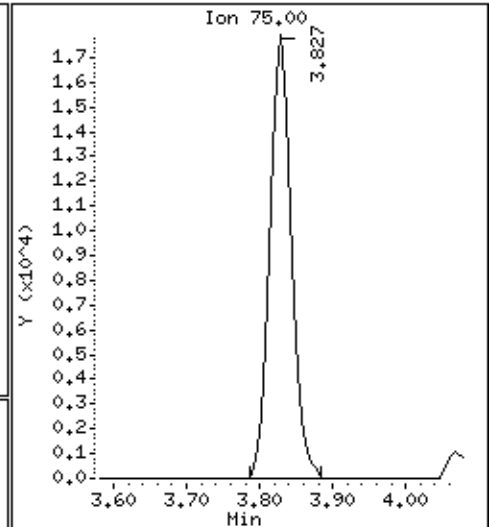
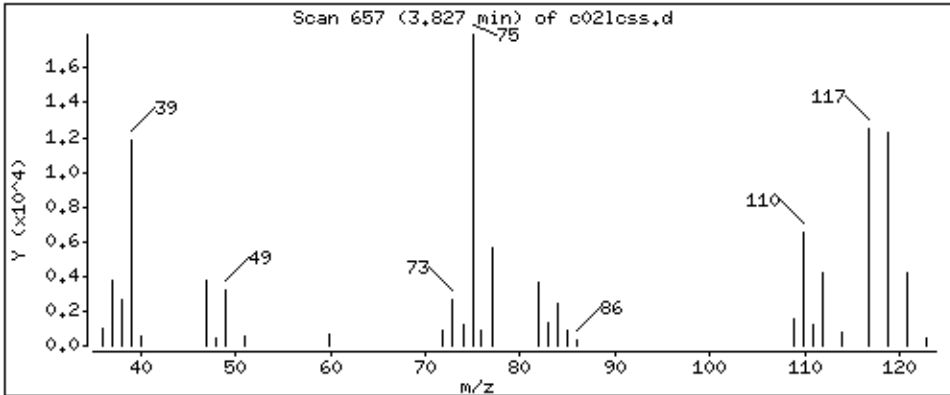
Column phase: DB-624

Column diameter: 0,18

36 1,1-Dichloropropene

Concentration: 42,0 ppb

Review Code:



Date : 02-JUL-2014 22:31

Client ID: MBLCS

Instrument: 50mv3a.i

Sample Info: 1122065,71089;5

Operator: jlz

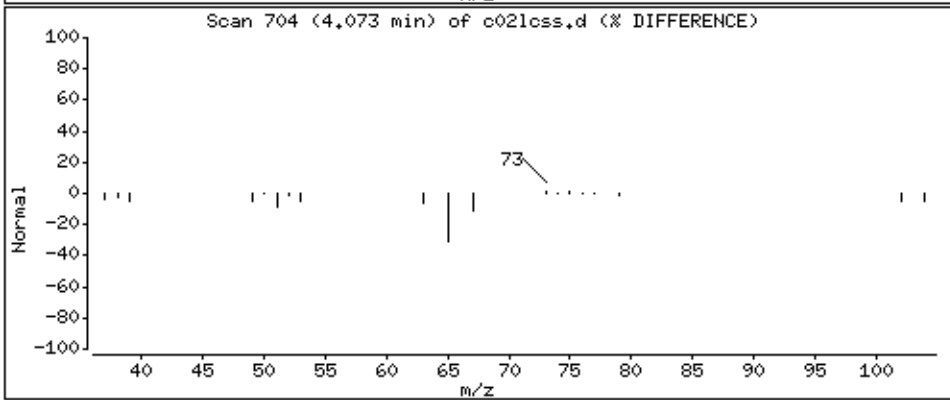
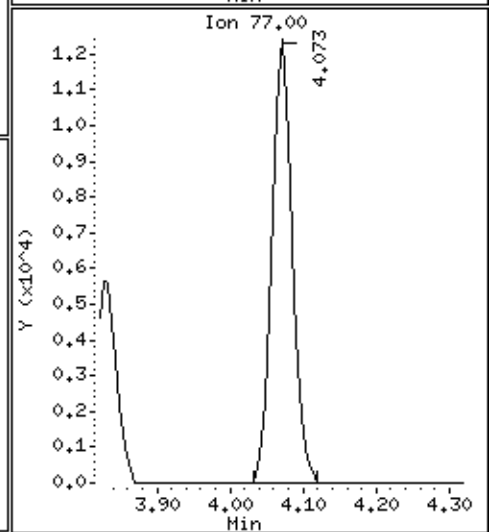
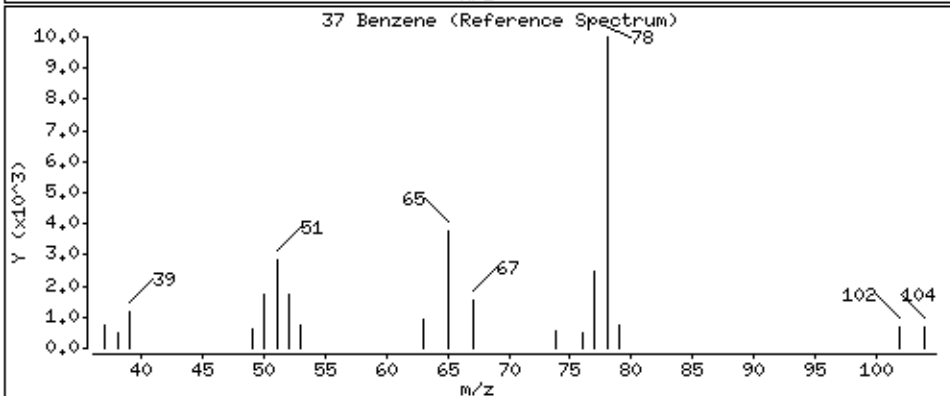
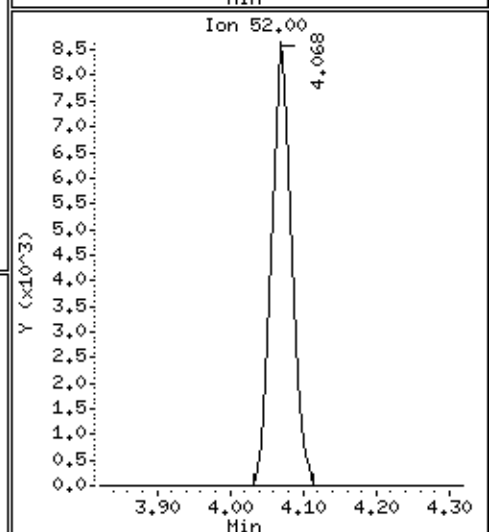
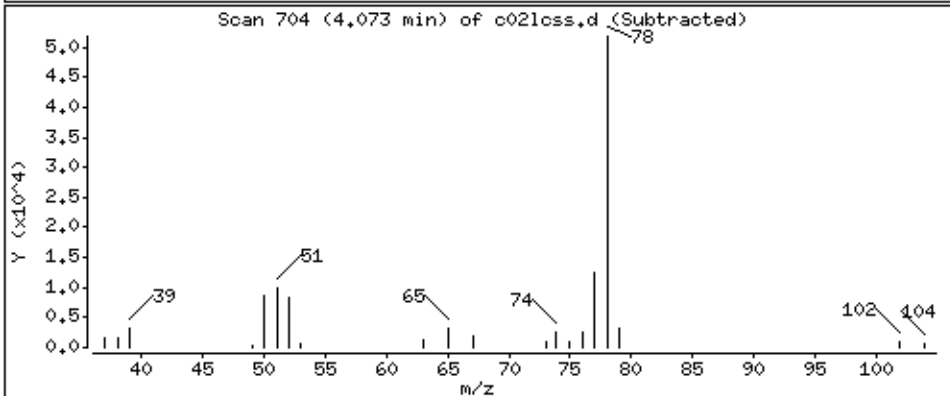
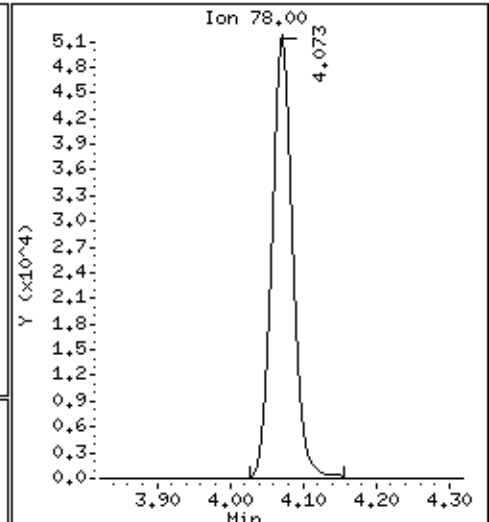
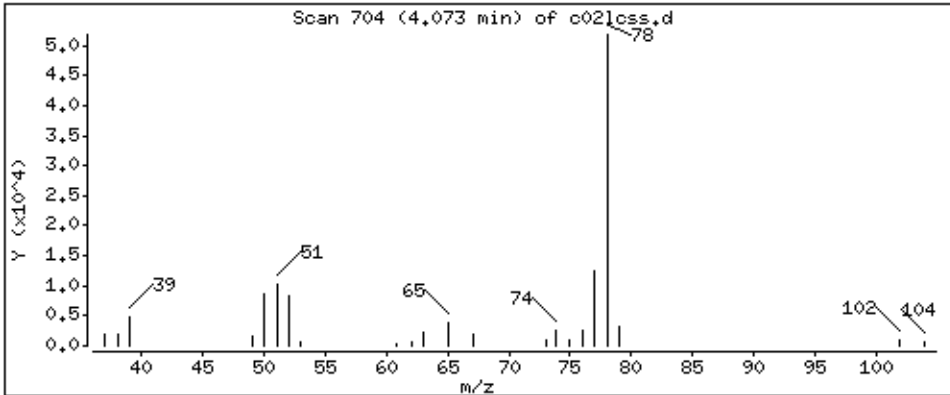
Column phase: DB-624

Column diameter: 0,18

37 Benzene

Concentration: 46,9 ppb

Review Code:



Date : 02-JUL-2014 22:31

Client ID: MBLCS

Instrument: 50mv3a.i

Sample Info: 1122065,71089;5

Operator: jlz

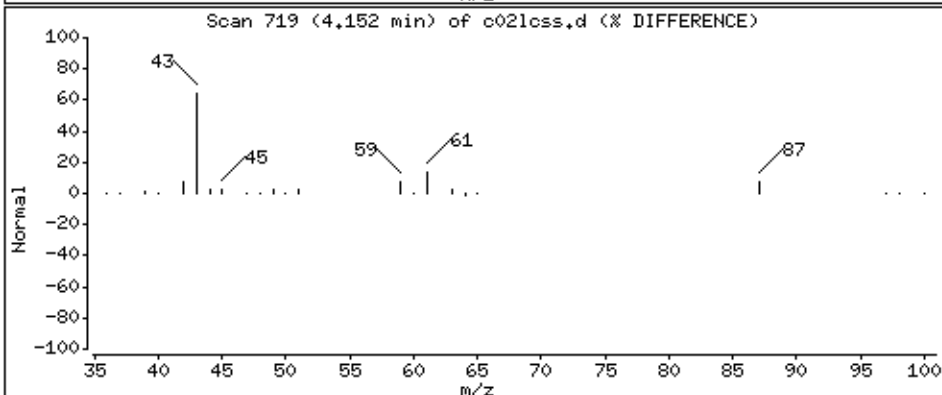
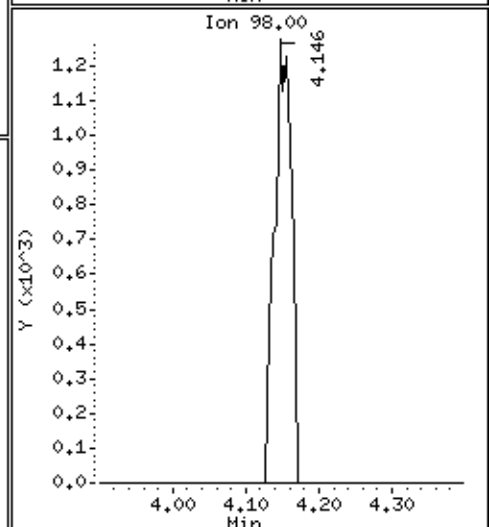
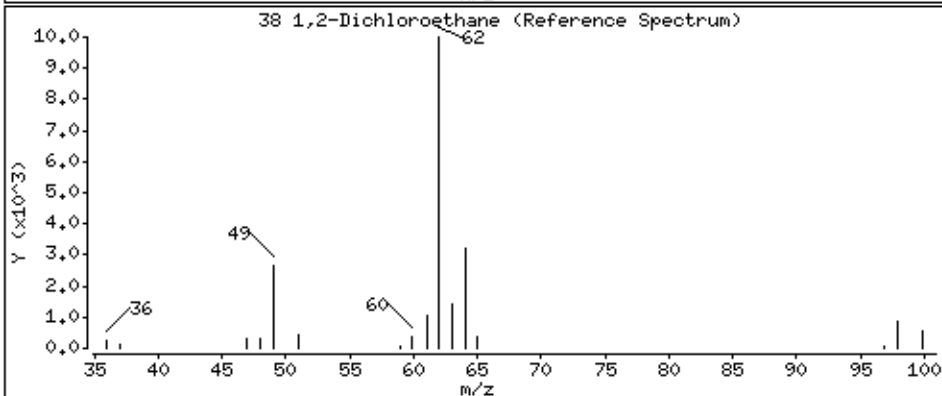
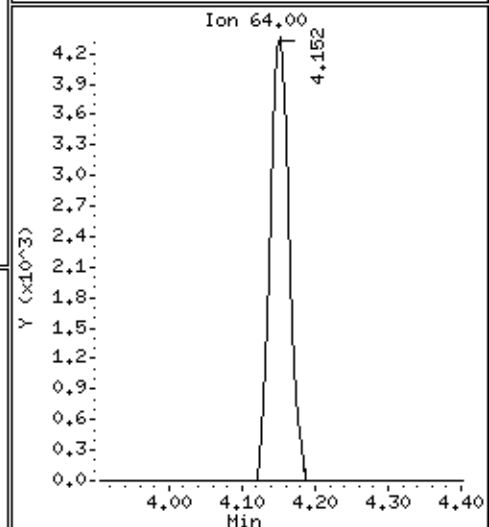
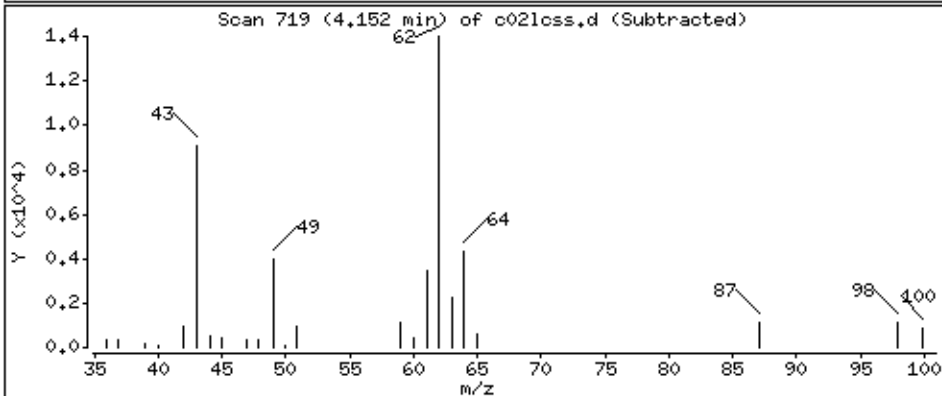
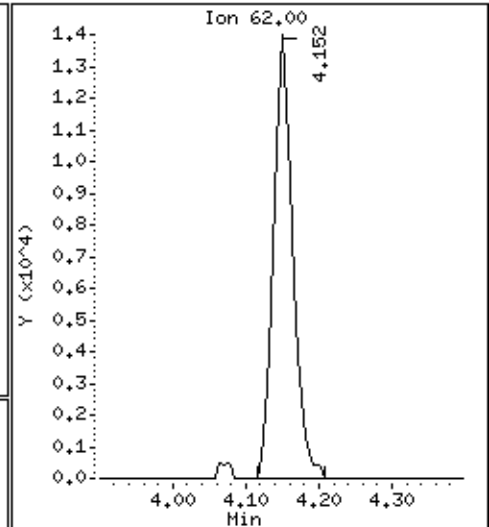
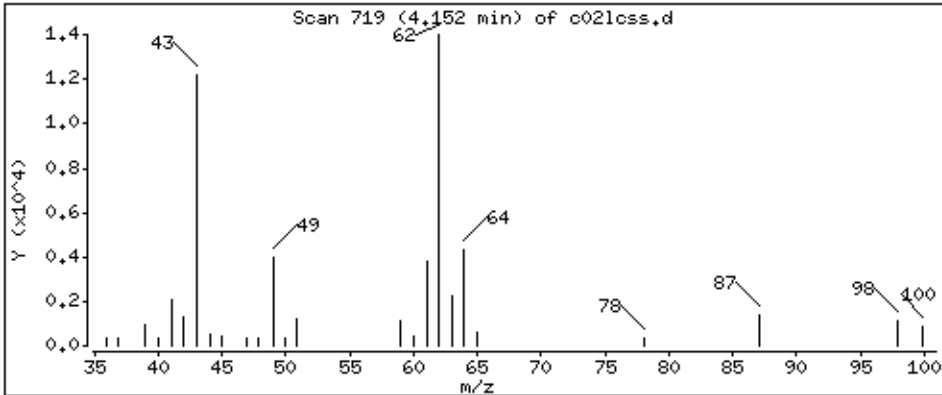
Column phase: DB-624

Column diameter: 0,18

38 1,2-Dichloroethane

Concentration: 41.5 ppb

Review Code:



Date : 02-JUL-2014 22:31

Client ID: MBLCS

Instrument: 50mw3a.i

Sample Info: 1122065,71089;5

Operator: jlz

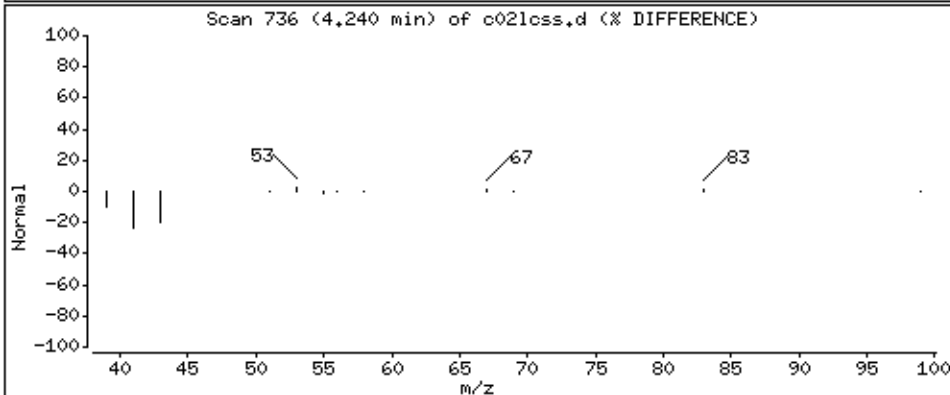
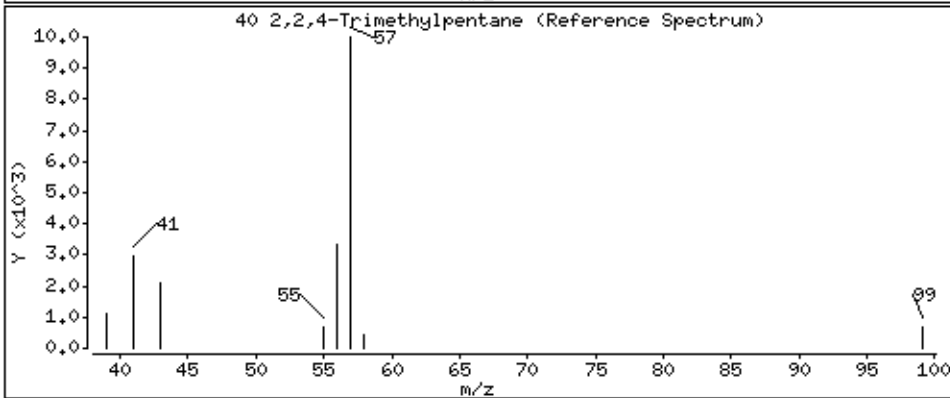
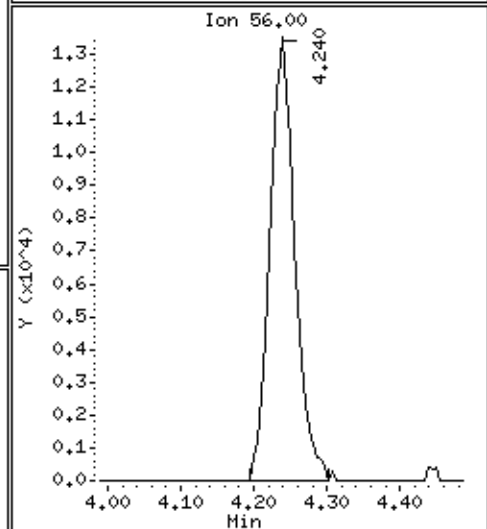
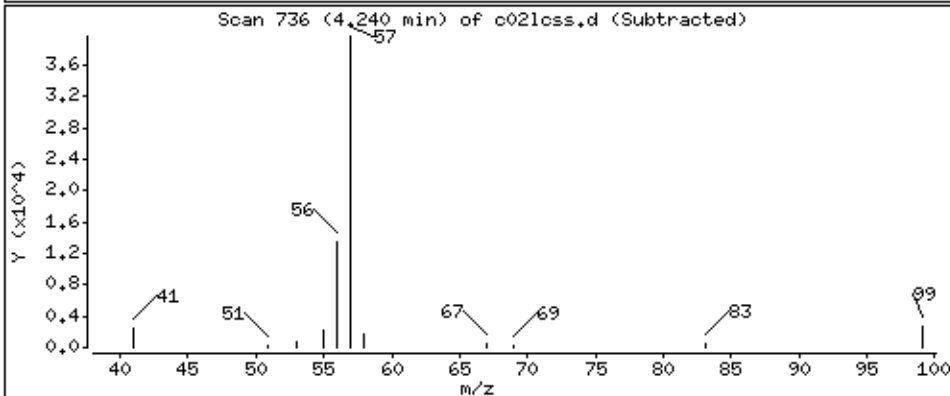
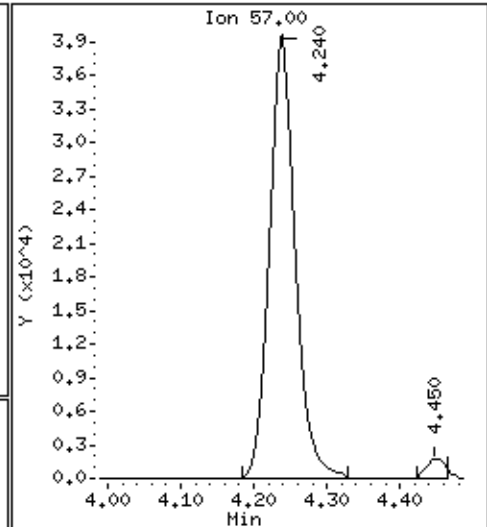
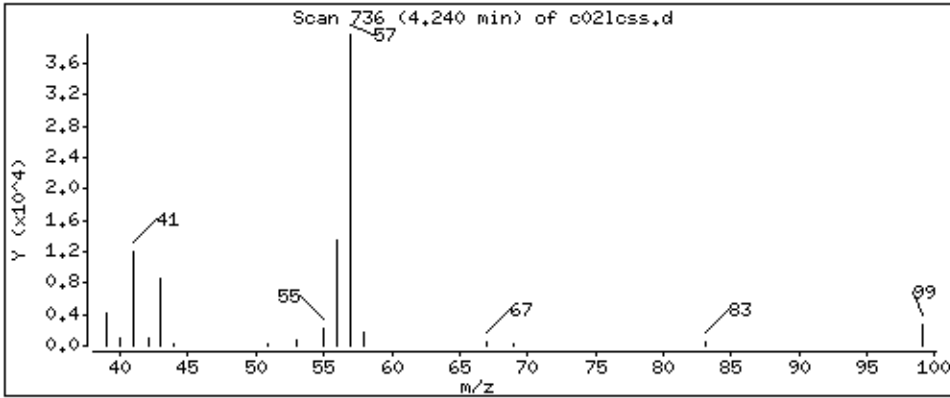
Column phase: DB-624

Column diameter: 0,18

40 2,2,4-Trimethylpentane

Concentration: 38,4 ppb

Review Code:



Date : 02-JUL-2014 22:31

Client ID: MBLCS

Instrument: 50mv3a.i

Sample Info: 1122065,71089;5

Operator: jlz

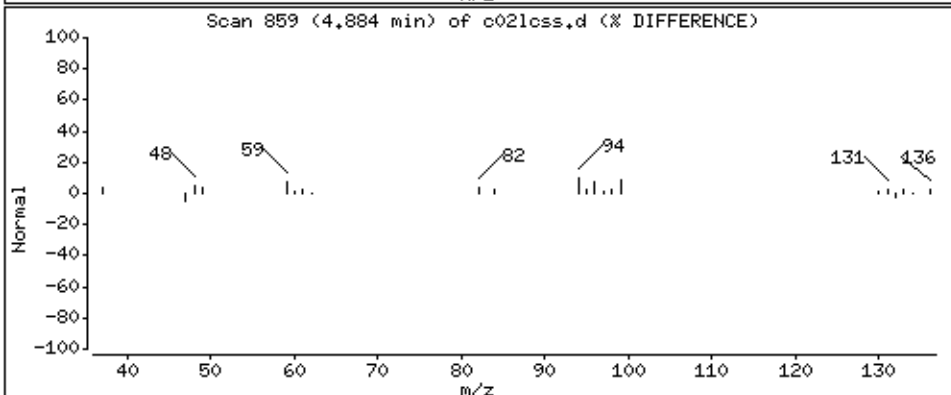
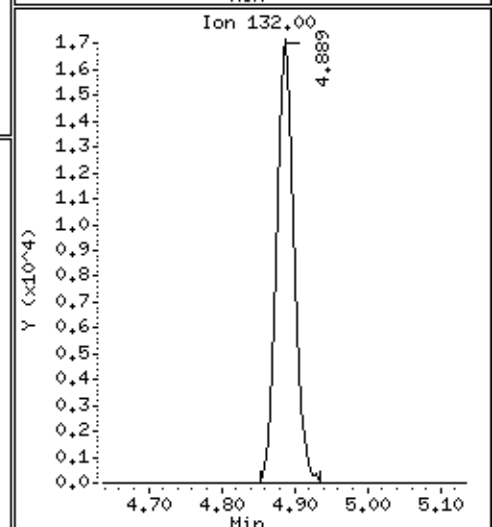
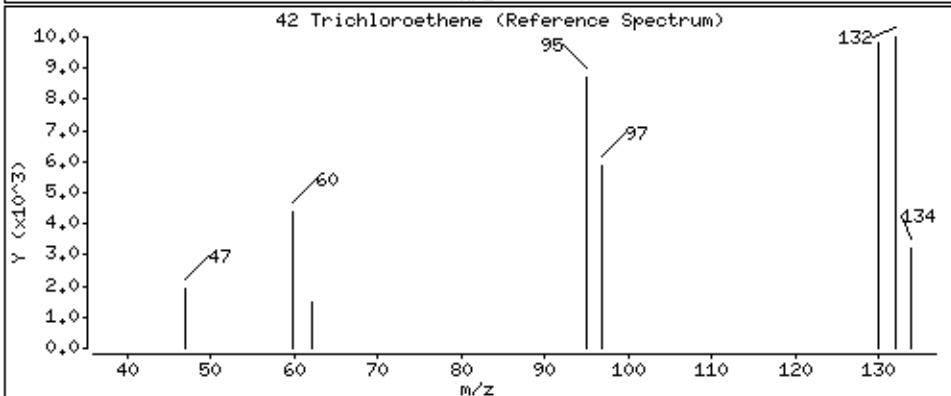
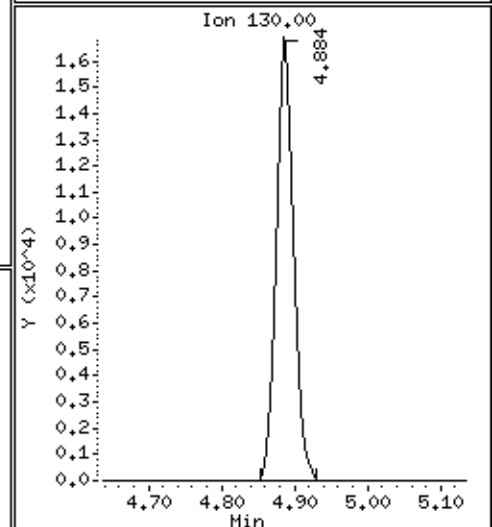
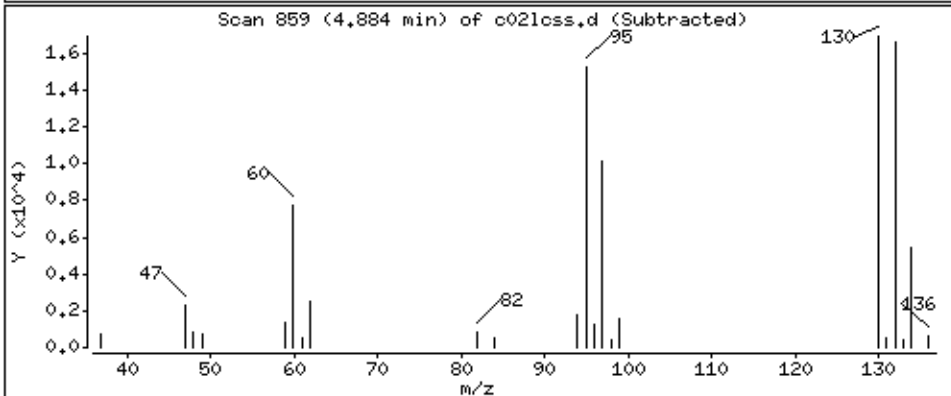
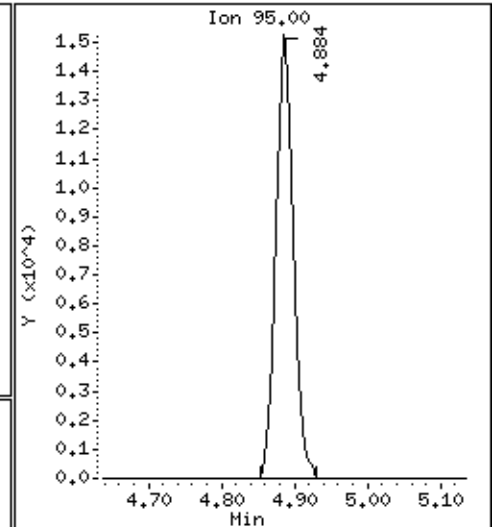
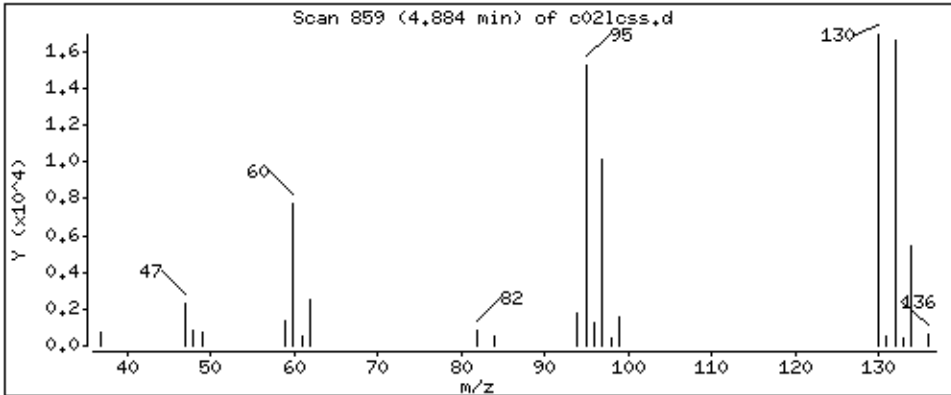
Column phase: DB-624

Column diameter: 0,18

42 Trichloroethene

Concentration: 43,1 ppb

Review Code:



Date : 02-JUL-2014 22:31

Client ID: MBLCS

Instrument: 50mw3a.i

Sample Info: 1122065,71089;5

Operator: jlz

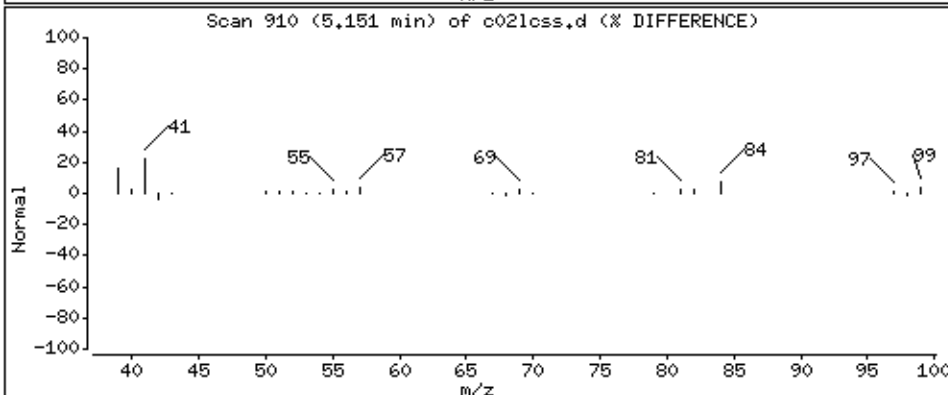
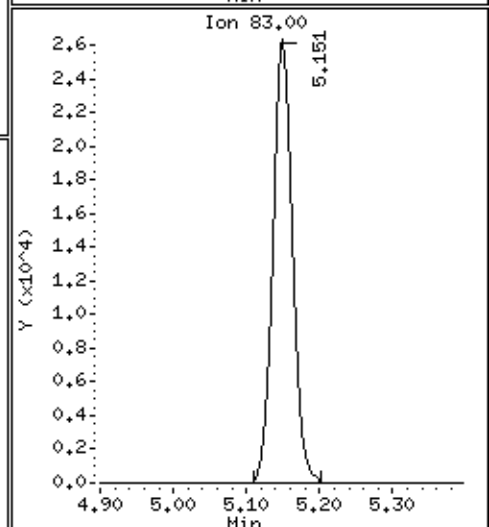
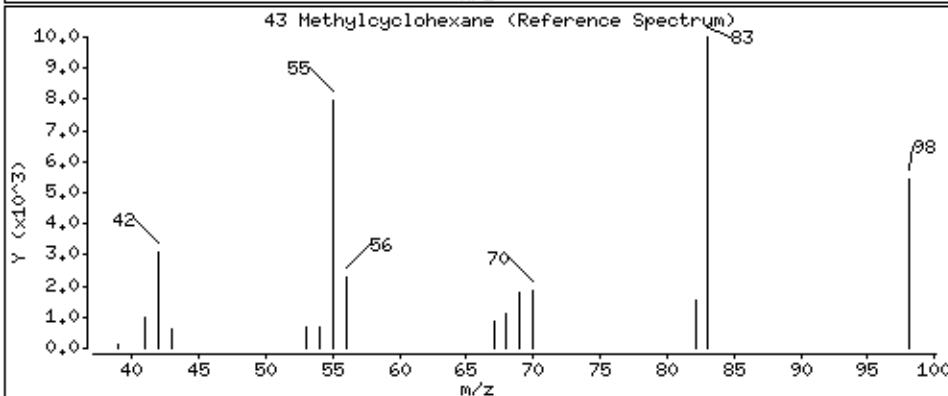
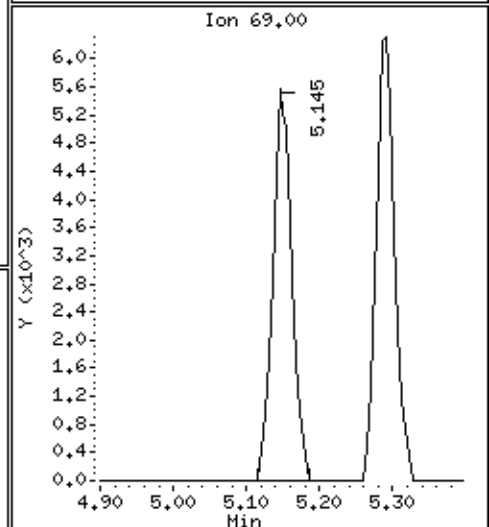
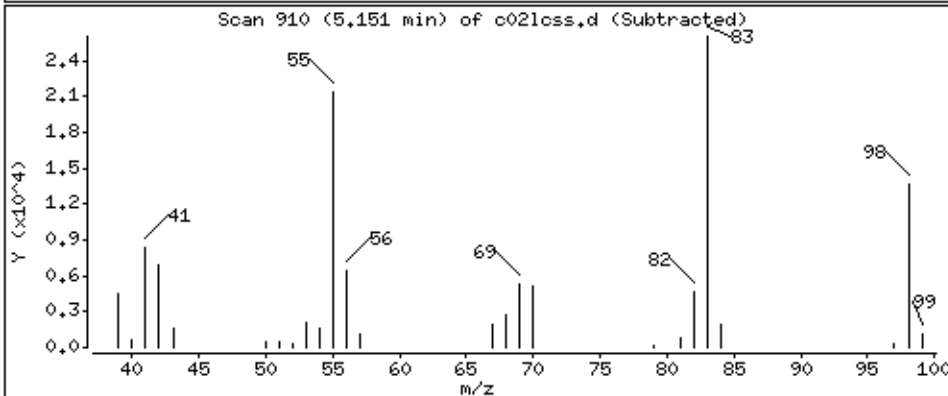
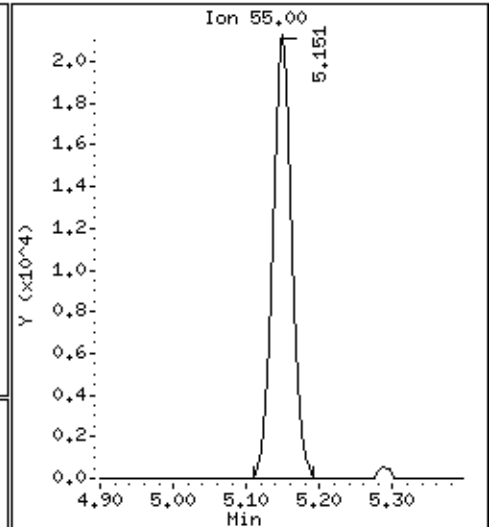
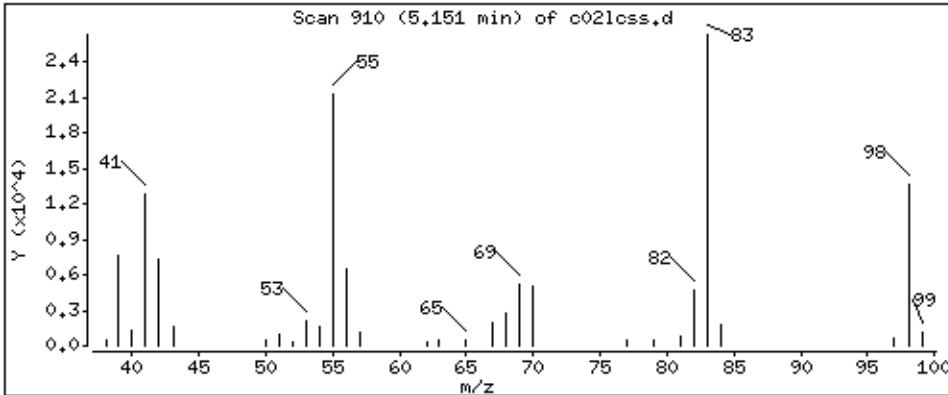
Column phase: DB-624

Column diameter: 0,18

43 Methylcyclohexane

Concentration: 44,6 ppb

Review Code:



Date : 02-JUL-2014 22:31

Client ID: MBLCS

Instrument: 50mv3a.i

Sample Info: 1122065,71089;5

Operator: jlz

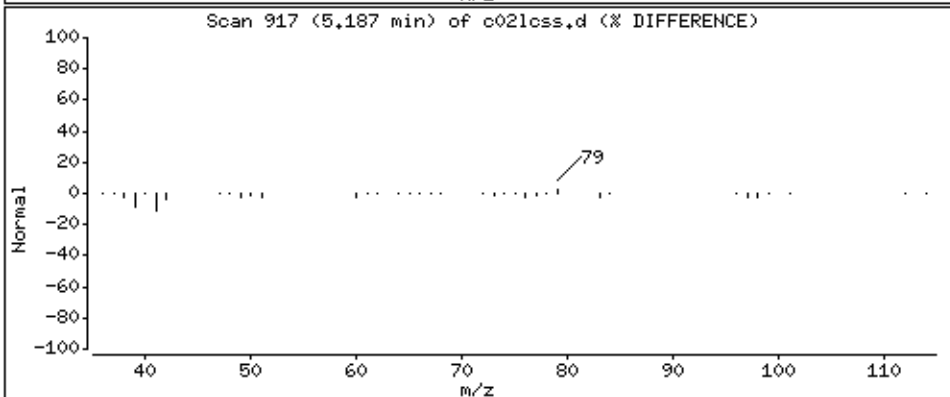
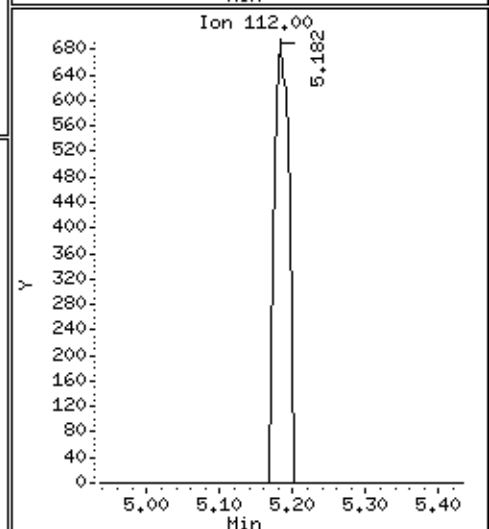
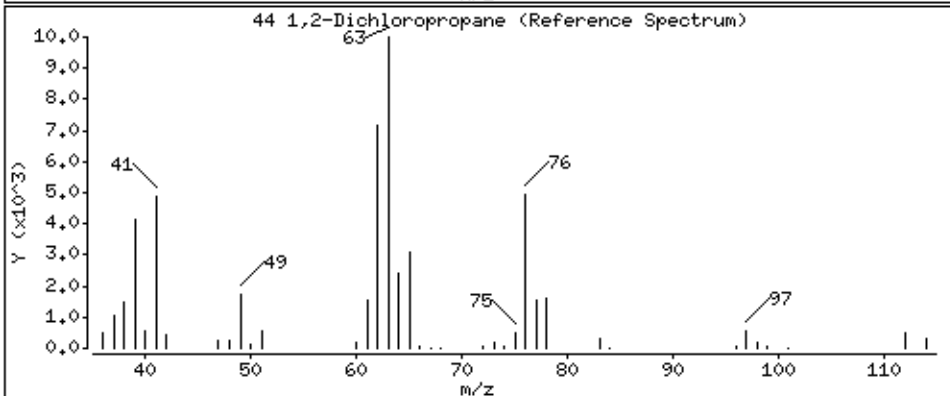
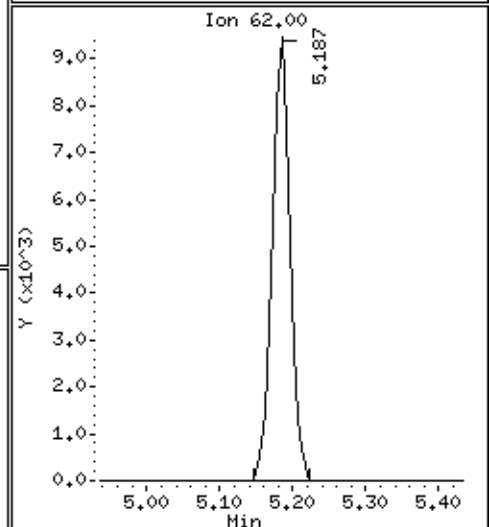
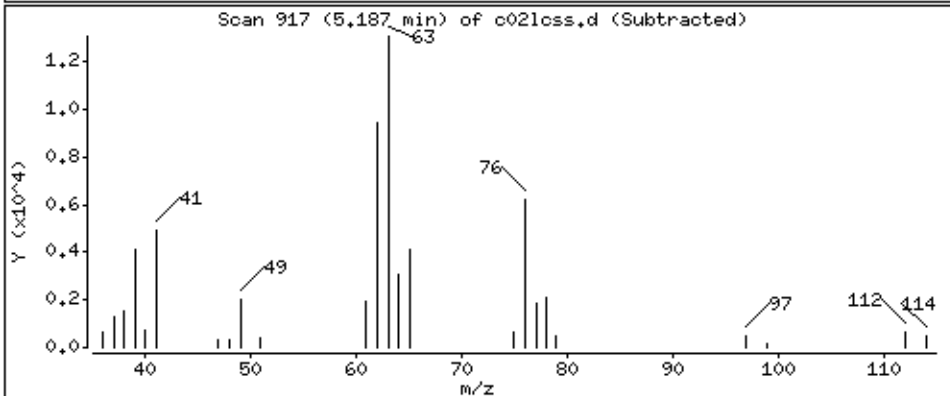
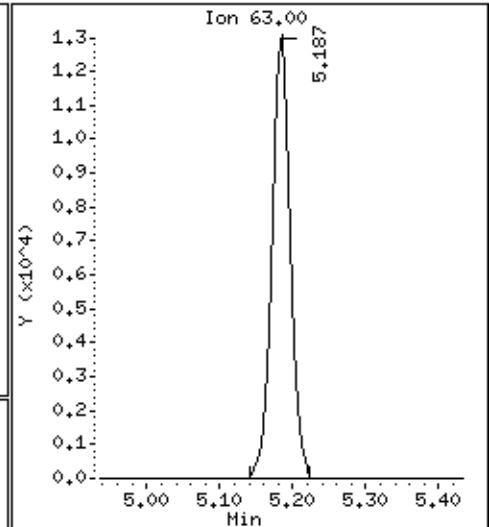
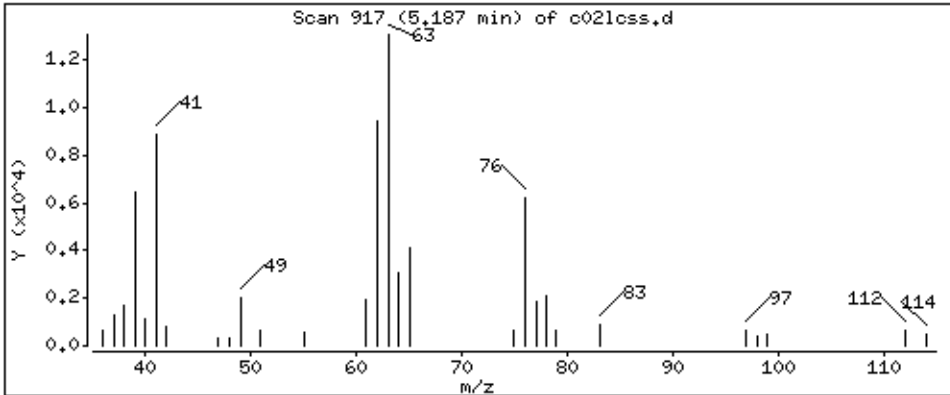
Column phase: DB-624

Column diameter: 0,18

44 1,2-Dichloropropane

Concentration: 46,0 ppb

Review Code:



Date : 02-JUL-2014 22:31

Client ID: MBLCS

Instrument: 50mw3a.i

Sample Info: 1122065,71089;5

Operator: jlz

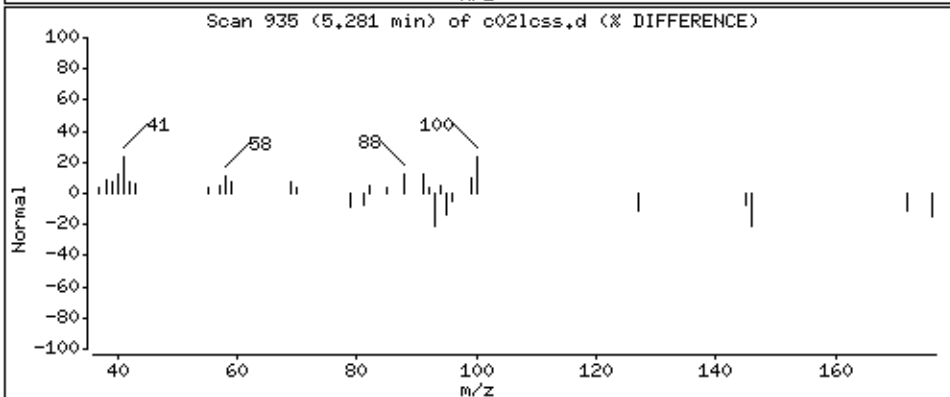
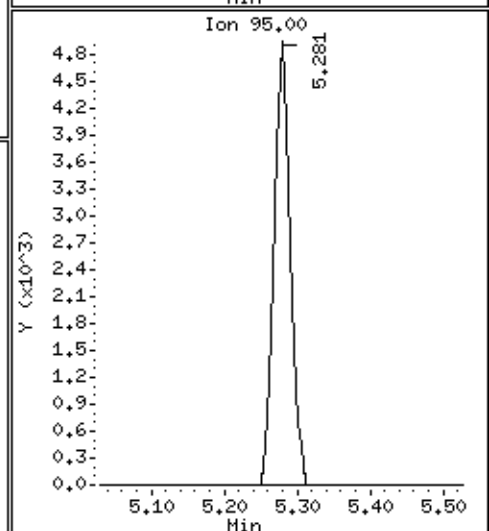
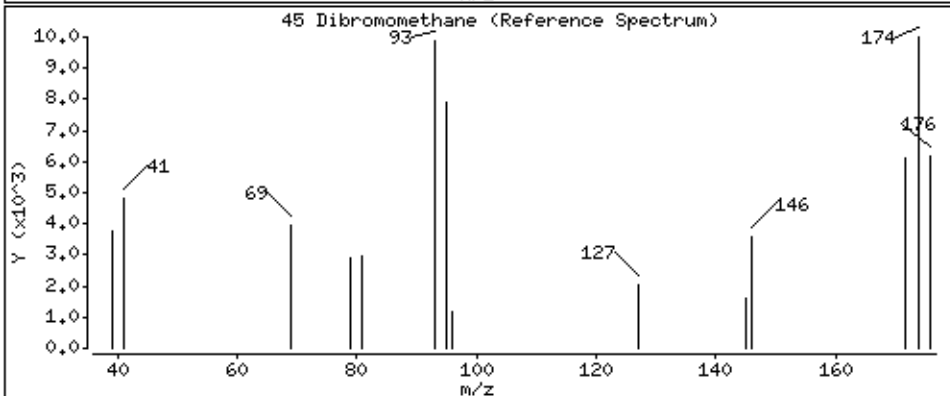
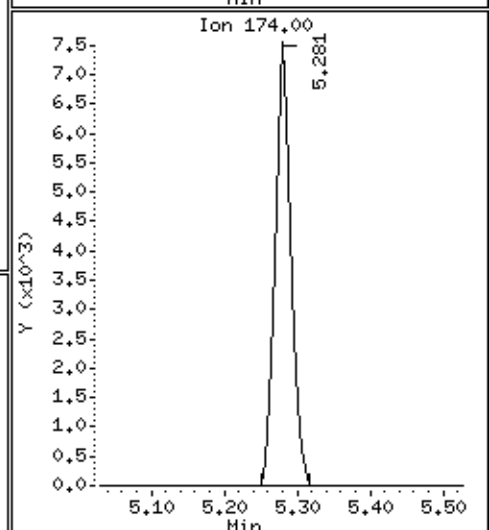
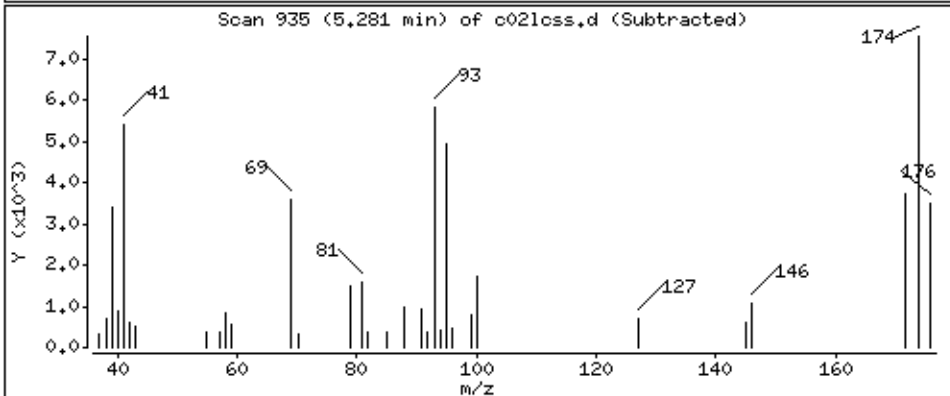
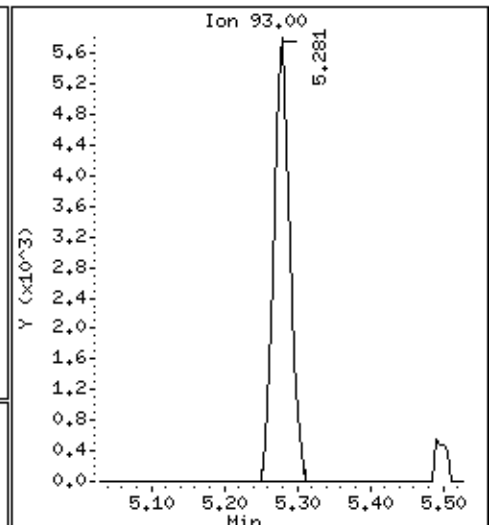
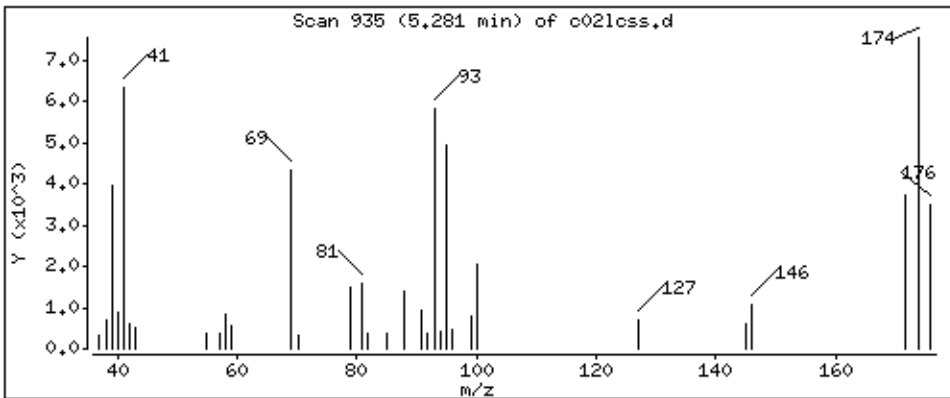
Column phase: DB-624

Column diameter: 0,18

45 Dibromomethane

Concentration: 41.1 ppb

Review Code:



Date : 02-JUL-2014 22:31

Client ID: MBLCS

Instrument: 50mw3a.i

Sample Info: 1122065,71089;5

Operator: jlz

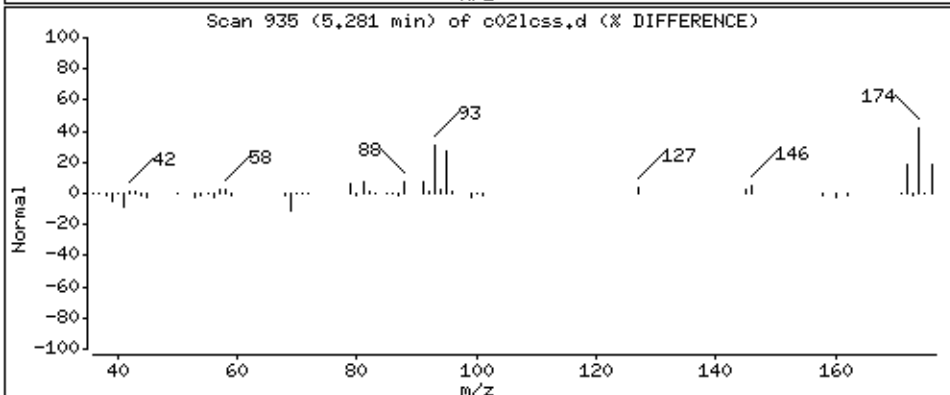
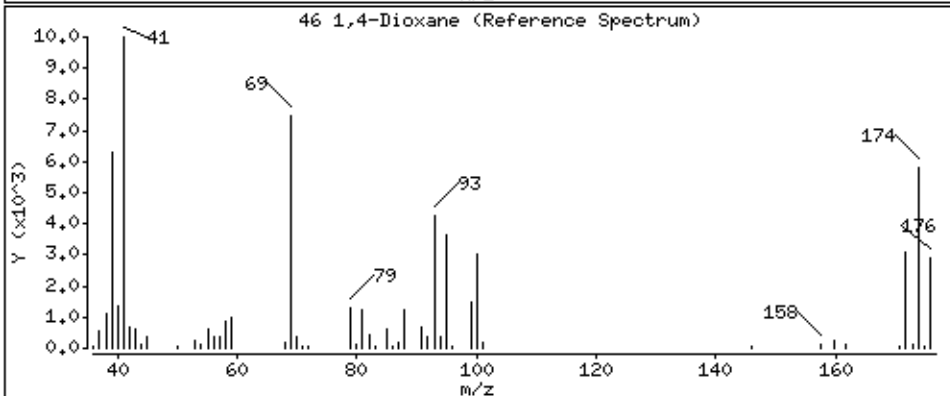
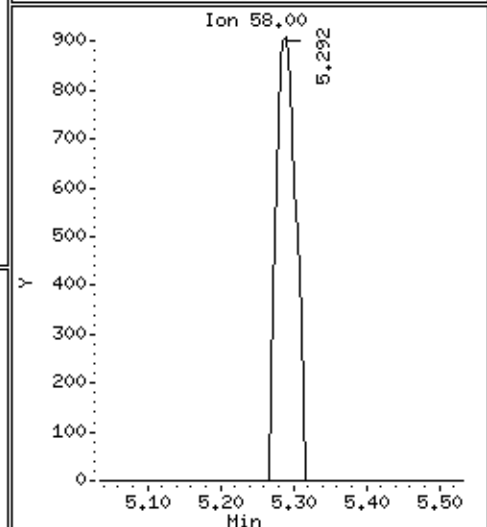
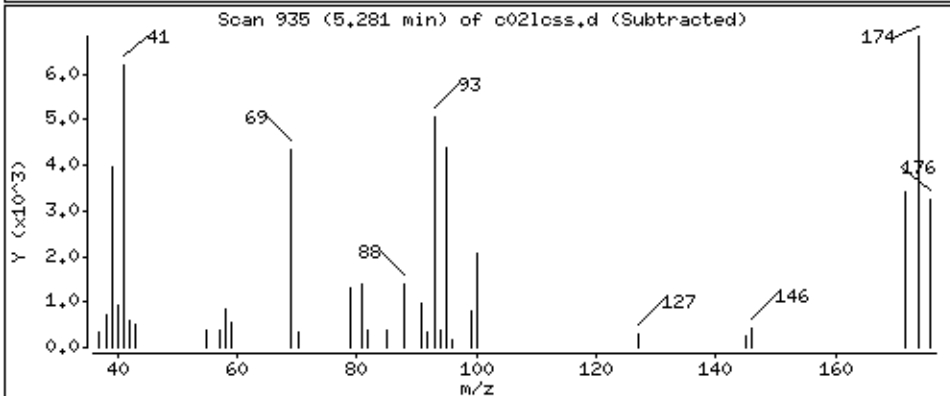
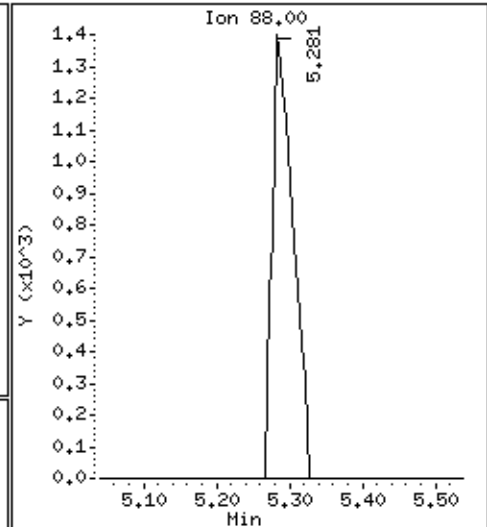
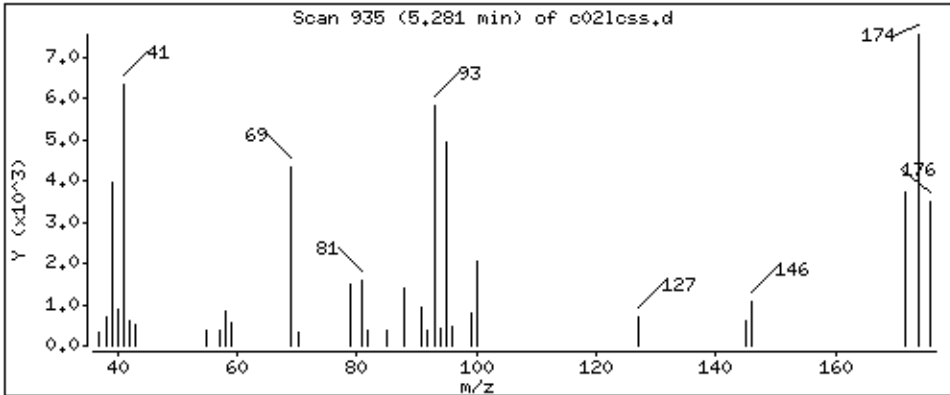
Column phase: DB-624

Column diameter: 0,18

46 1,4-Dioxane

Concentration: 858 ppb

Review Code:



Date : 02-JUL-2014 22:31

Client ID: MBLCS

Instrument: 50mw3a.i

Sample Info: 1122065,71089;5

Operator: jlz

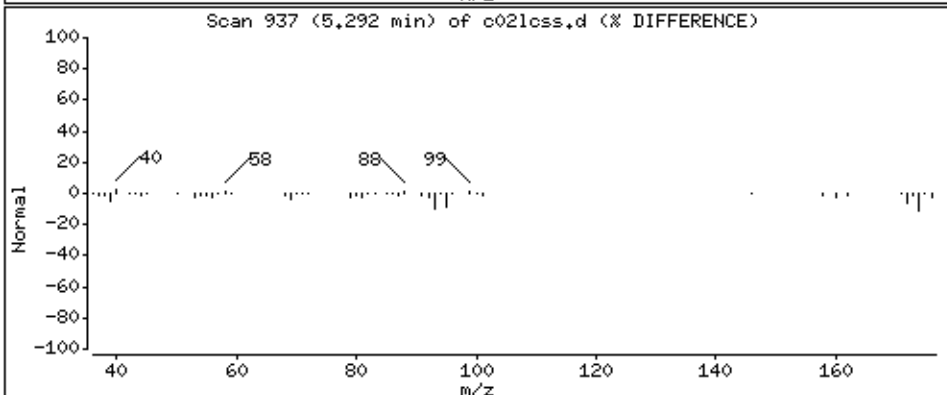
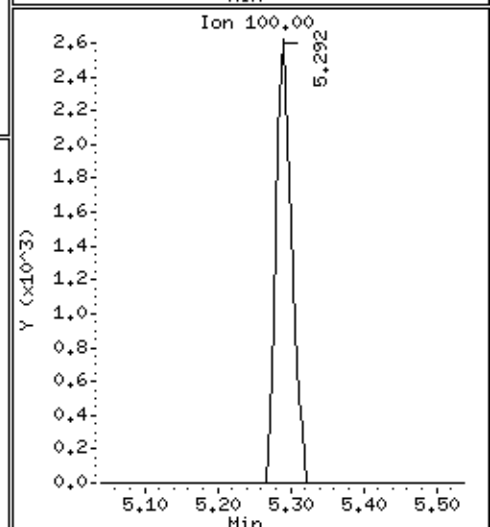
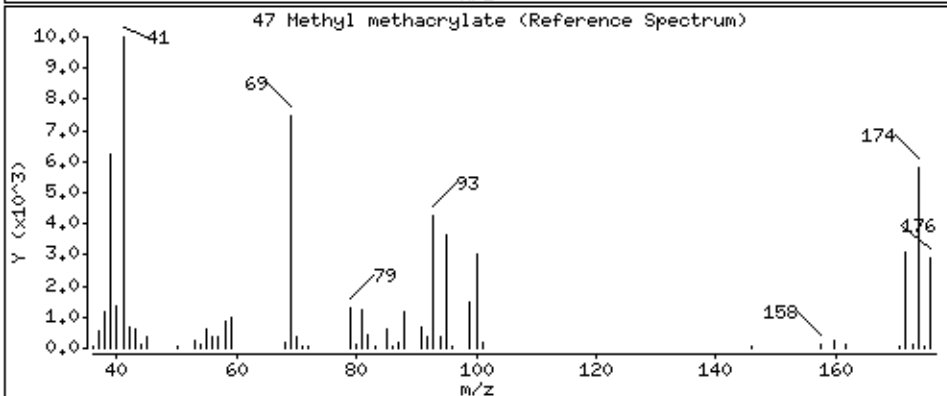
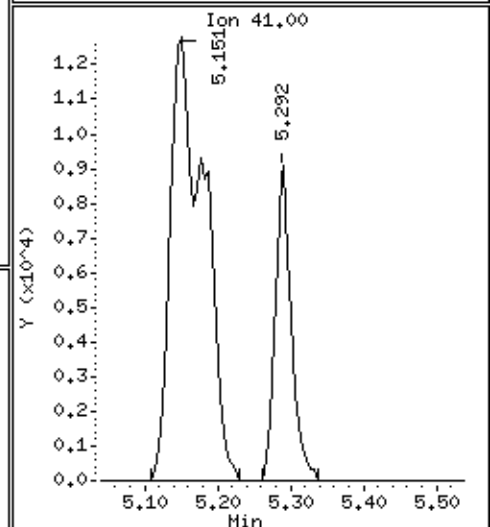
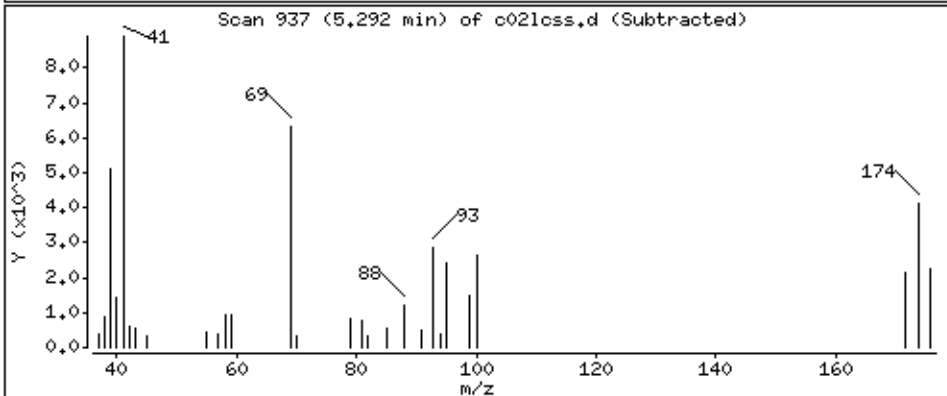
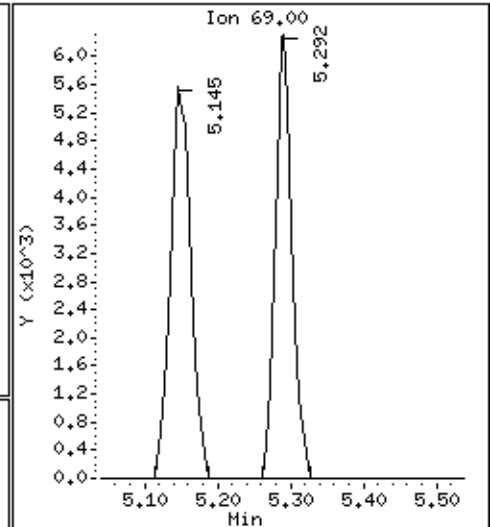
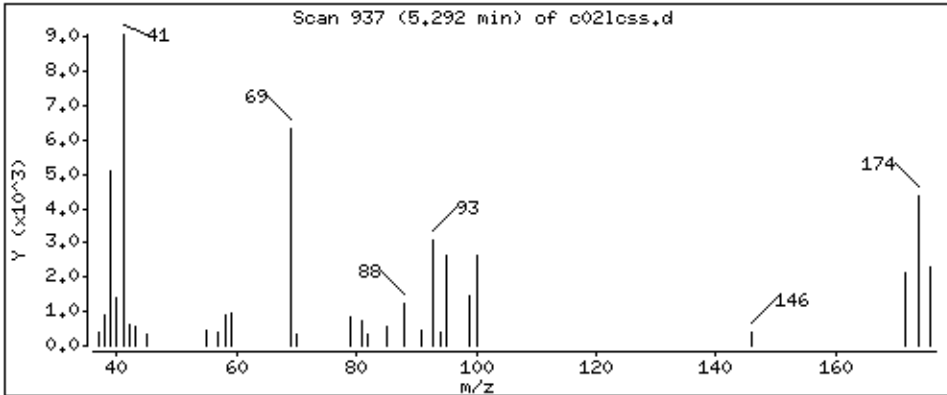
Column phase: DB-624

Column diameter: 0,18

47 Methyl methacrylate

Concentration: 42,8 ppb

Review Code:



Date : 02-JUL-2014 22:31

Client ID: MBLCS

Instrument: 50mv3a.i

Sample Info: 1122065,71089;5

Operator: jlz

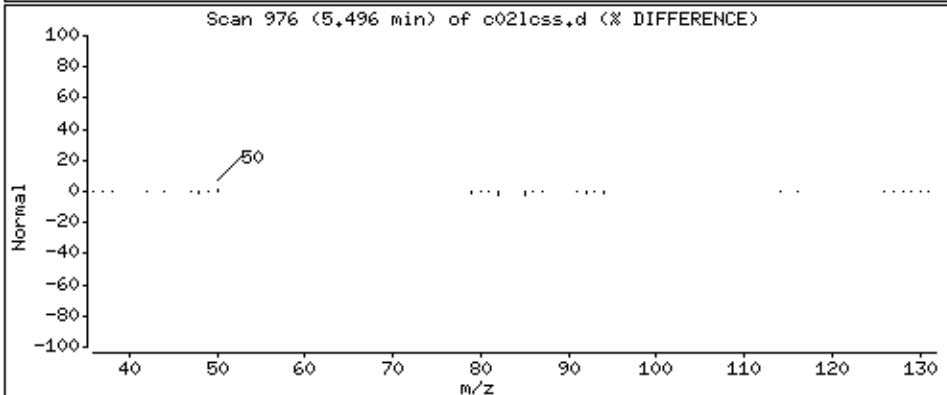
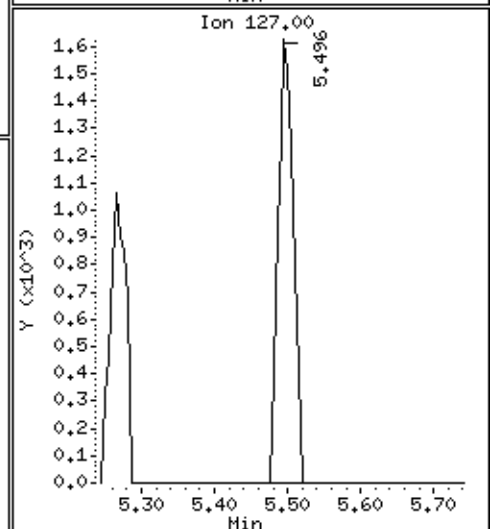
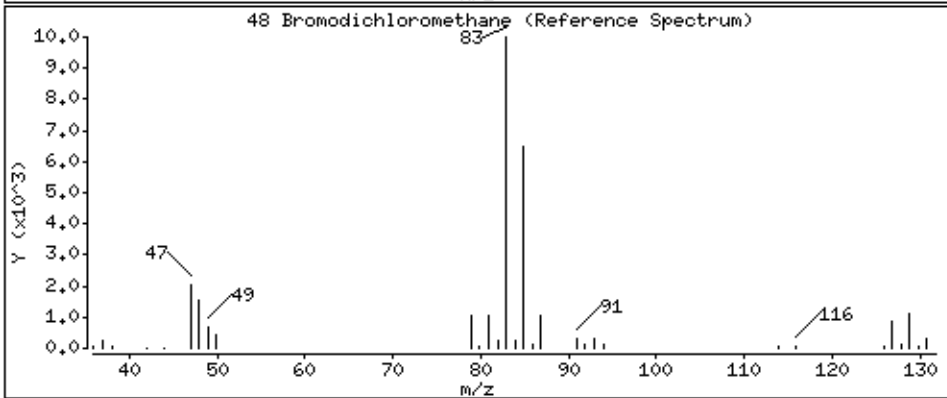
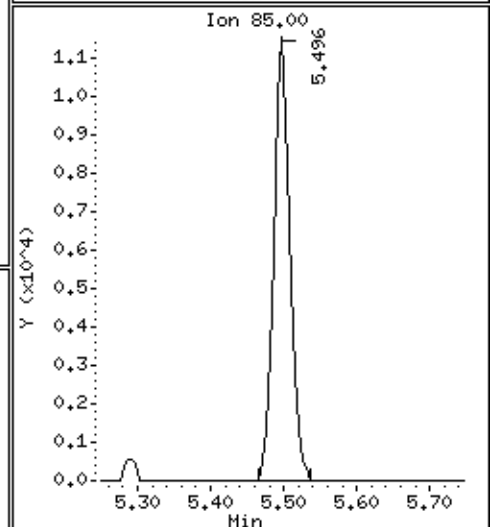
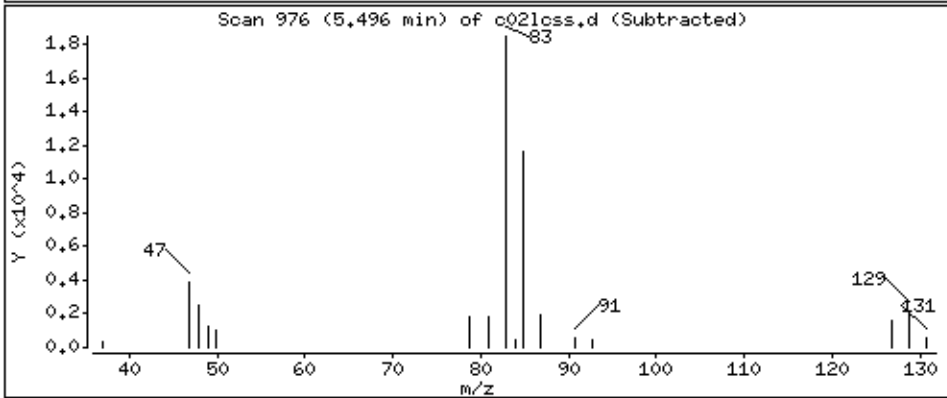
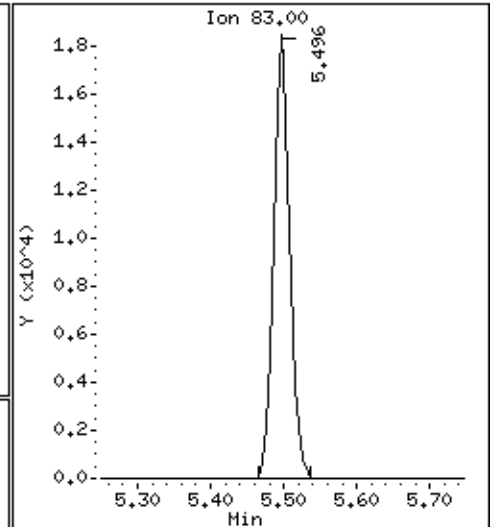
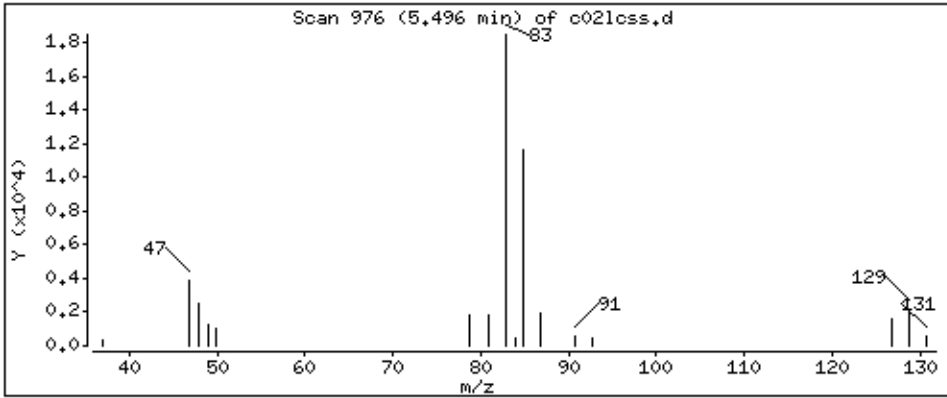
Column phase: DB-624

Column diameter: 0,18

48 Bromodichloromethane

Concentration: 44,8 ppb

Review Code:



Date : 02-JUL-2014 22:31

Client ID: MBLCS

Instrument: 50mv3a.i

Sample Info: 1122065,71089;5

Operator: jlz

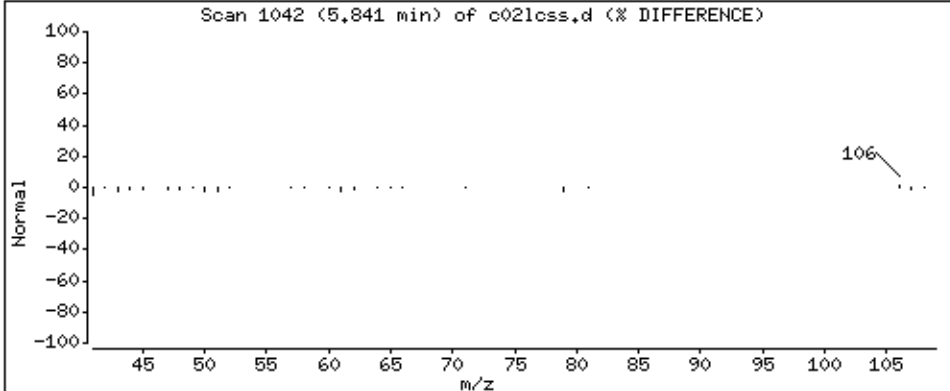
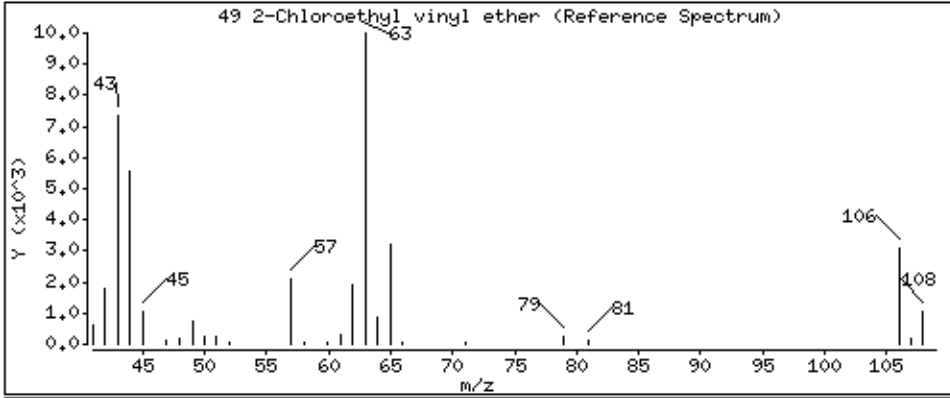
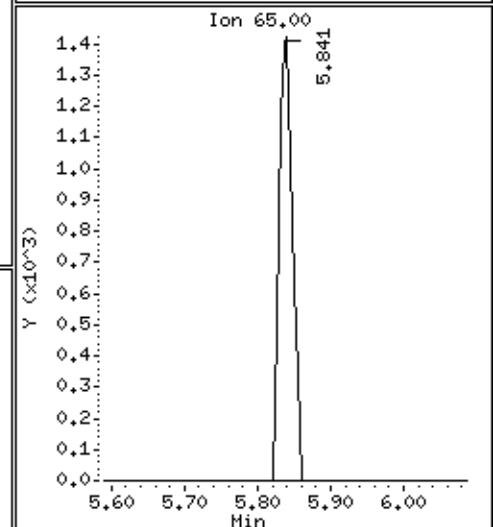
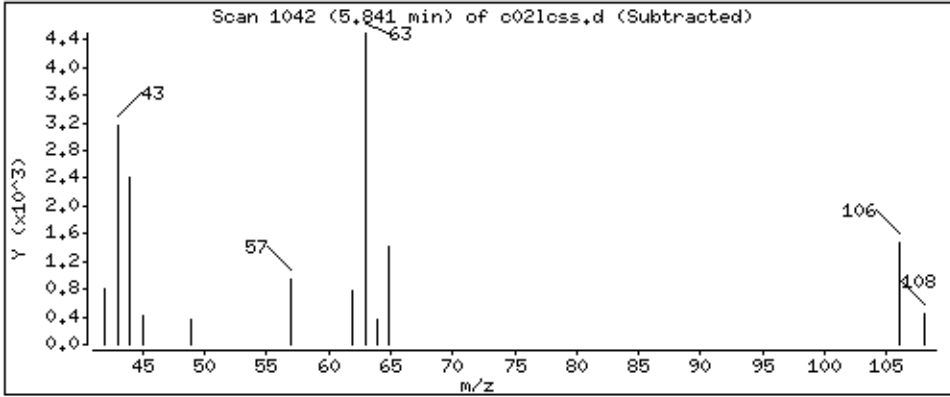
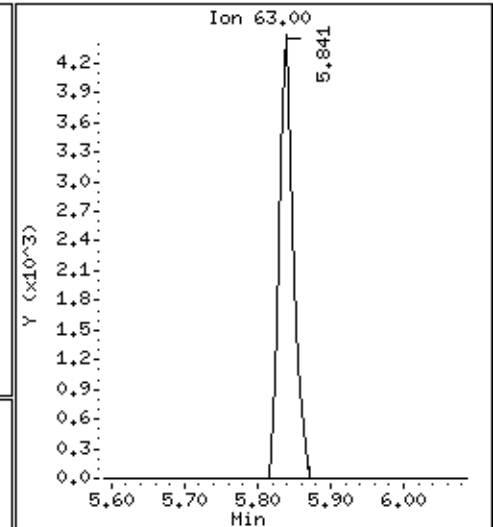
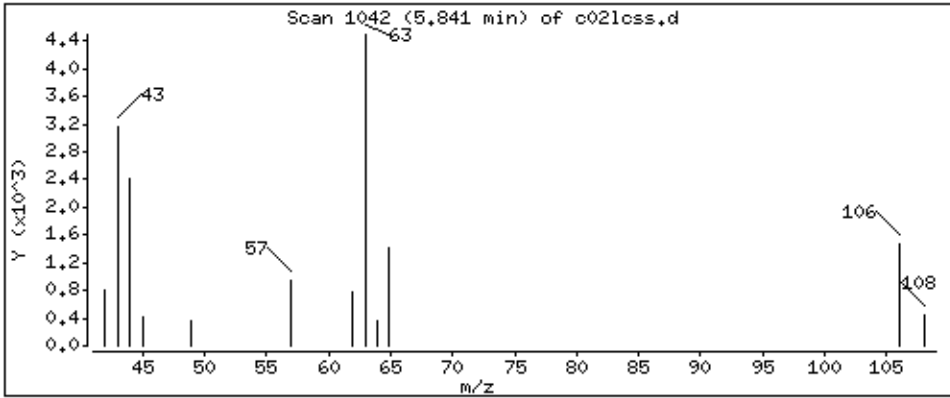
Column phase: DB-624

Column diameter: 0,18

49 2-Chloroethyl vinyl ether

Concentration: 43,7 ppb

Review Code:



Date : 02-JUL-2014 22:31

Client ID: MBLCS

Instrument: 50mw3a.i

Sample Info: 1122065,71089;5

Operator: jlz

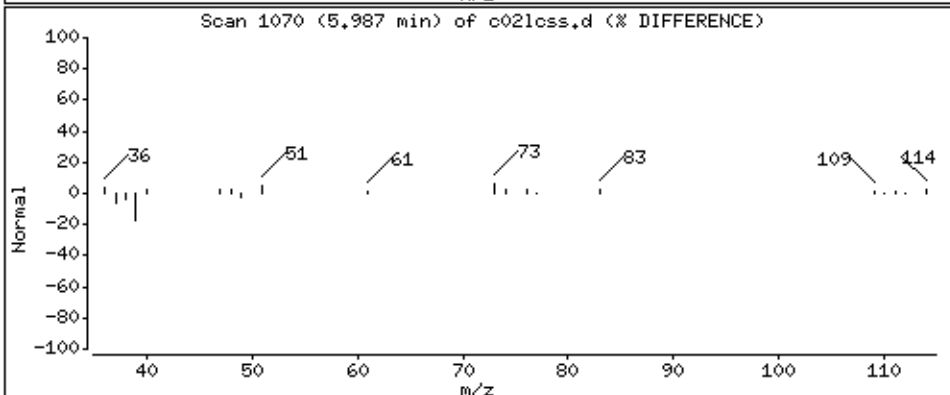
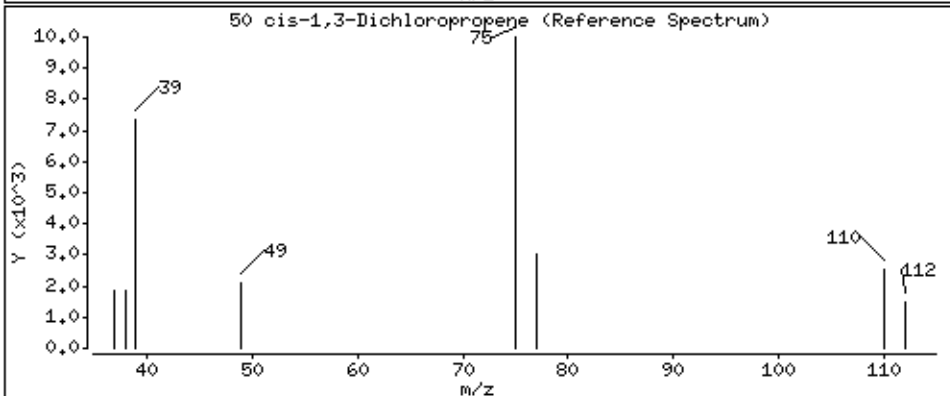
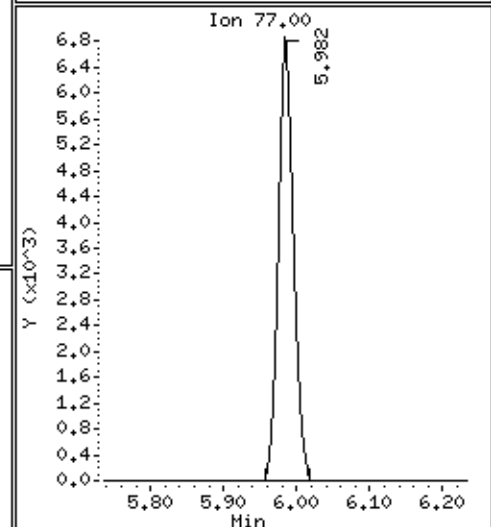
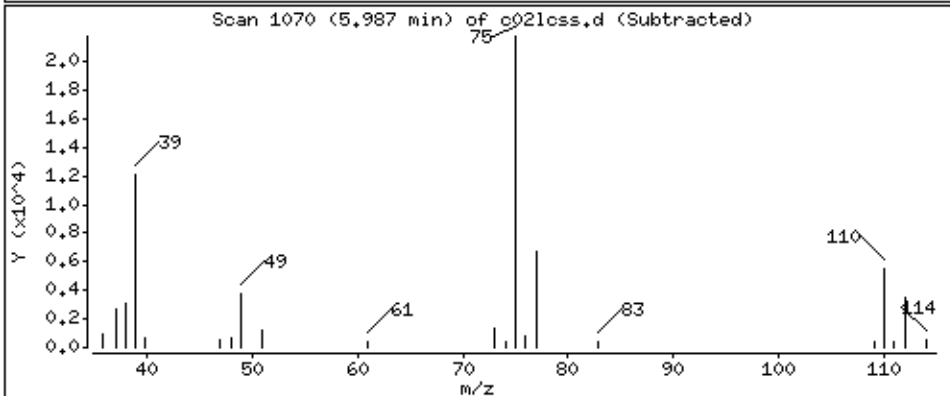
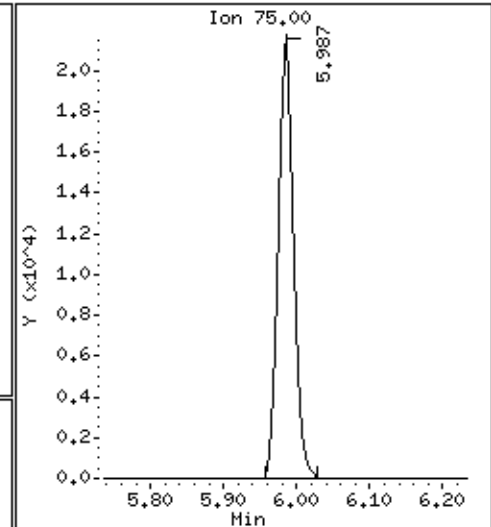
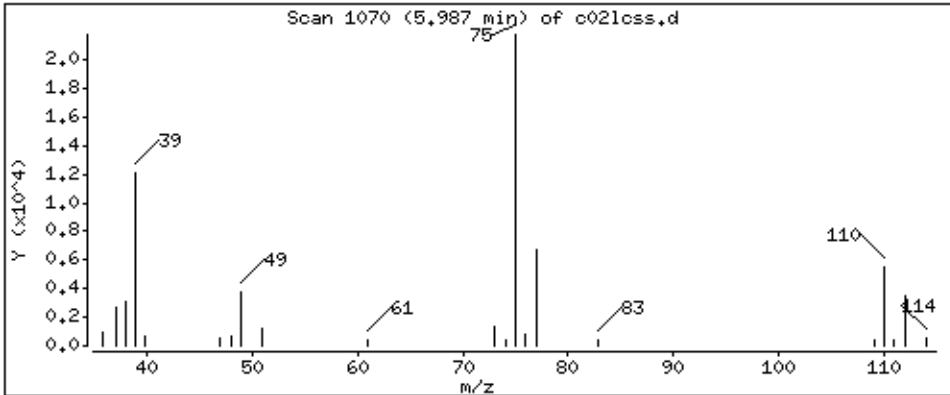
Column phase: DB-624

Column diameter: 0,18

50 cis-1,3-Dichloropropene

Concentration: 38,7 ppb

Review Code:



Date : 02-JUL-2014 22:31

Client ID: MBLCS

Instrument: 50mw3a.i

Sample Info: 1122065,71089;5

Operator: jlz

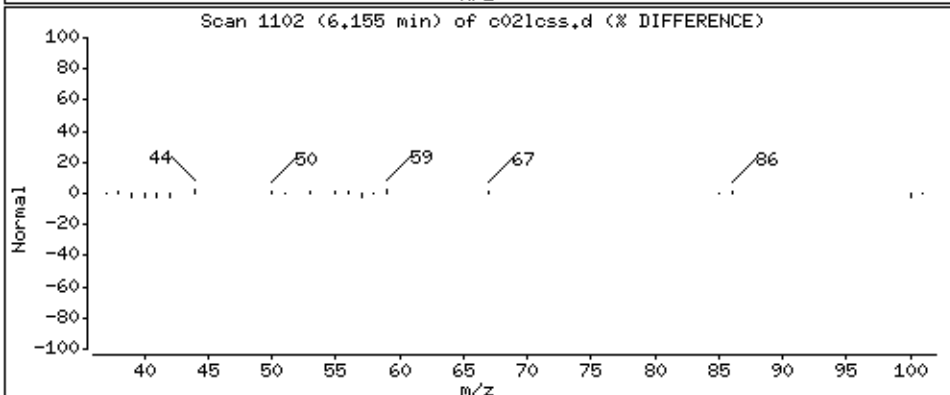
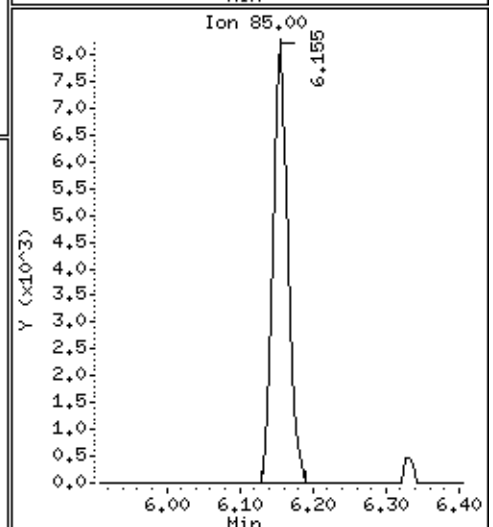
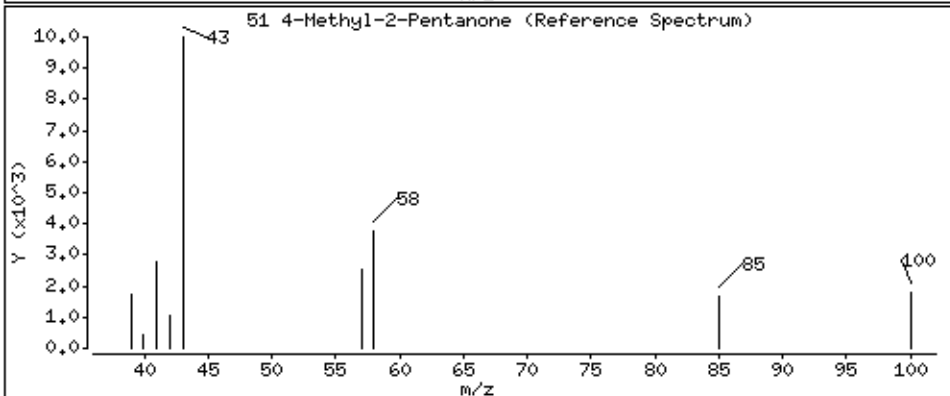
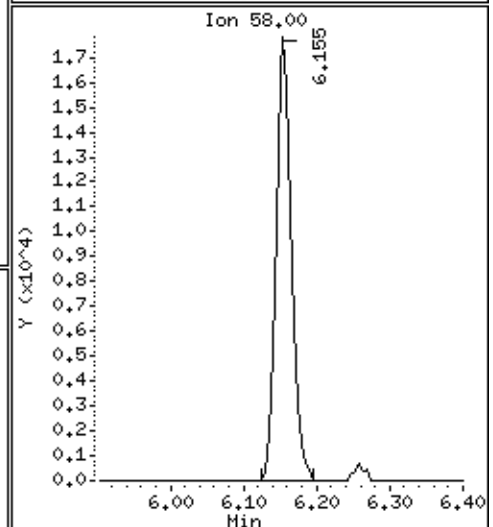
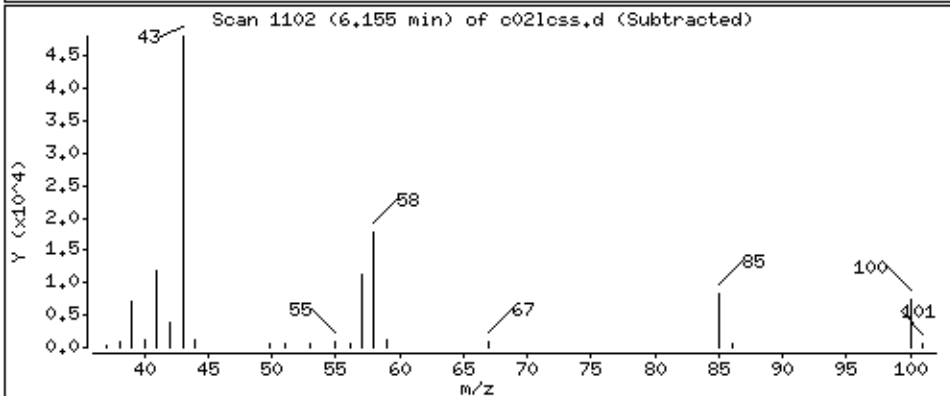
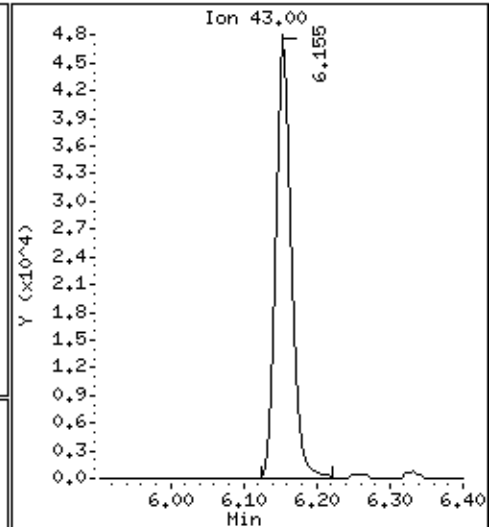
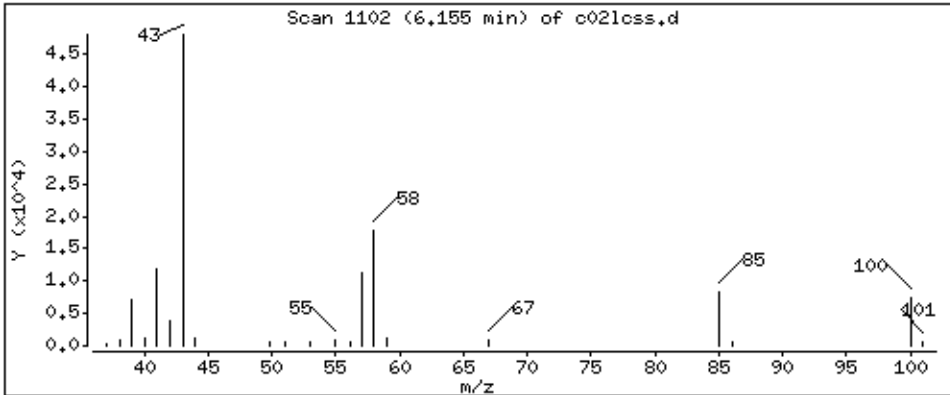
Column phase: DB-624

Column diameter: 0,18

51 4-Methyl-2-Pentanone

Concentration: 212 ppb

Review Code:



Date : 02-JUL-2014 22:31

Client ID: MBLCS

Instrument: 50mw3a.i

Sample Info: 1122065,71089;5

Operator: jlz

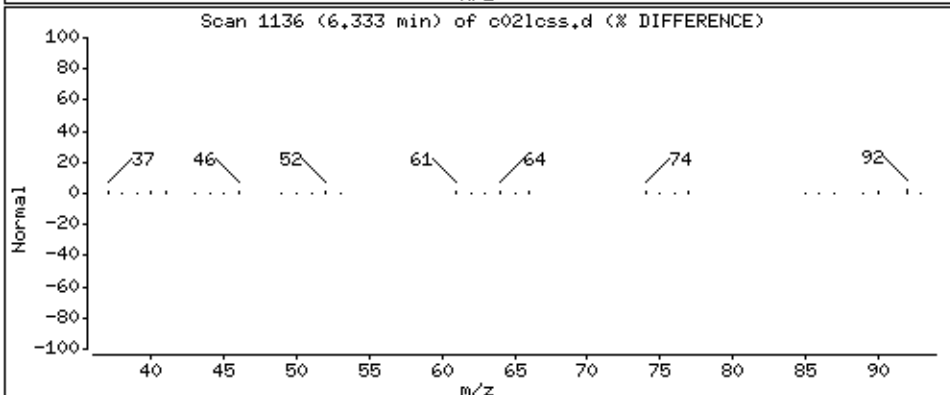
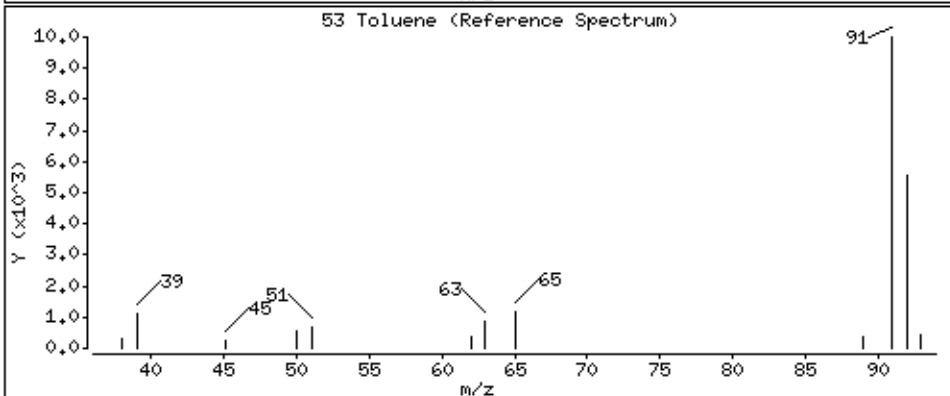
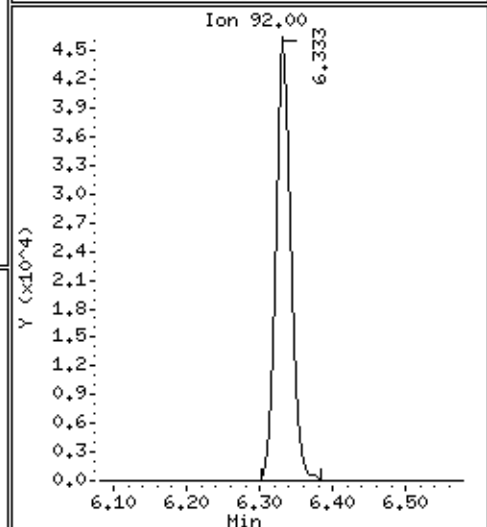
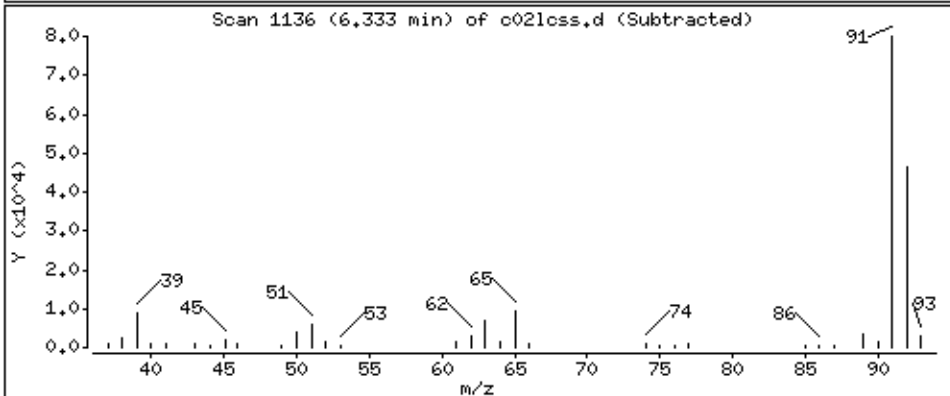
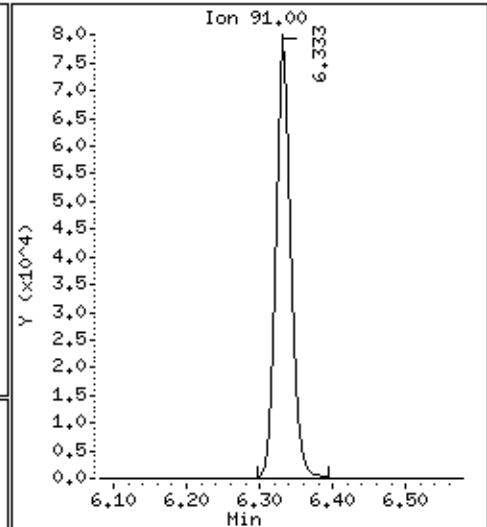
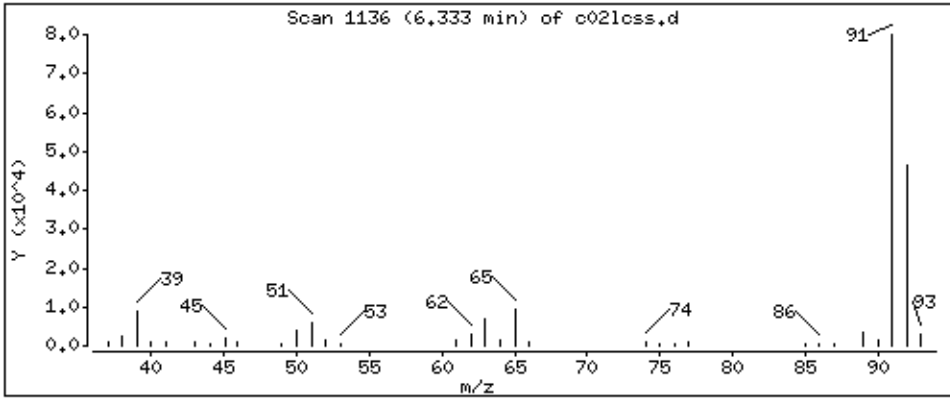
Column phase: DB-624

Column diameter: 0,18

53 Toluene

Concentration: 40,7 ppb

Review Code:



Date : 02-JUL-2014 22:31

Client ID: MBLCS

Instrument: 50mv3a.i

Sample Info: 1122065,71089;5

Operator: jlz

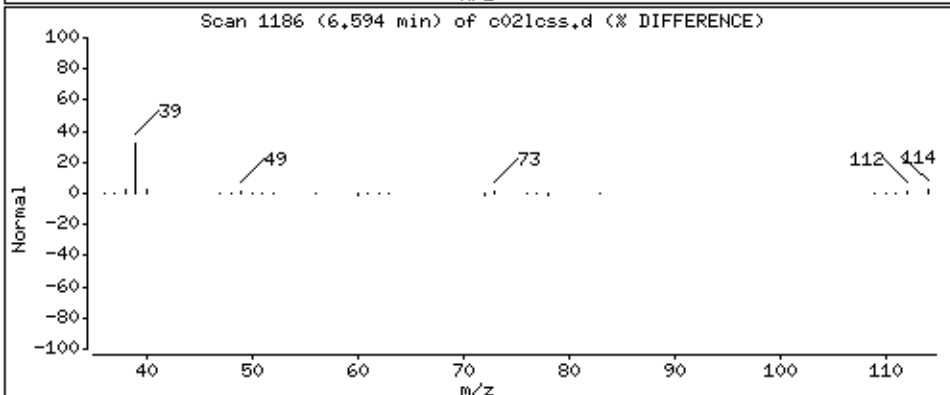
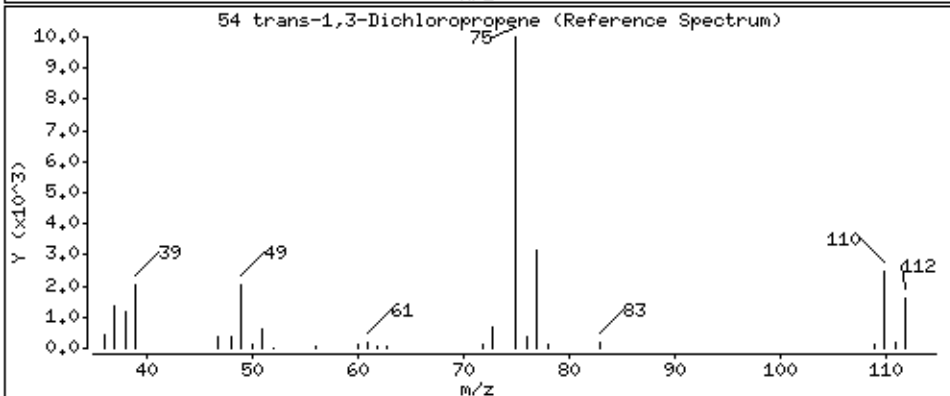
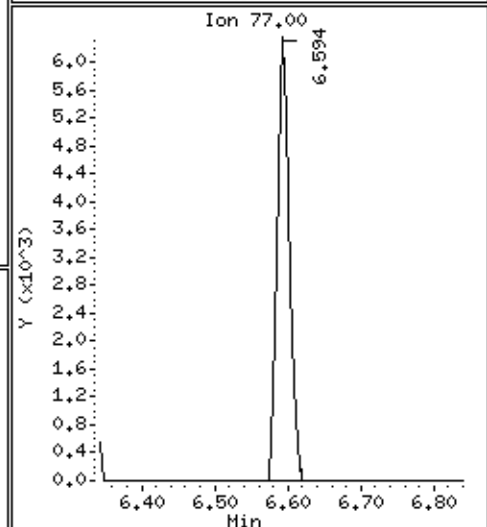
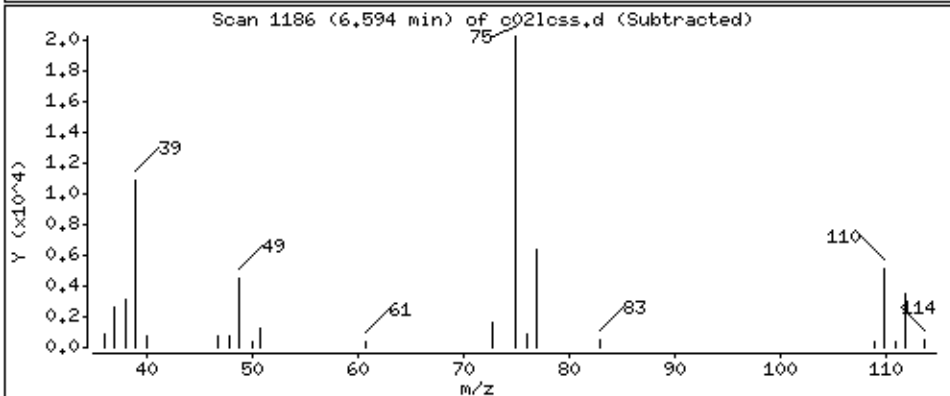
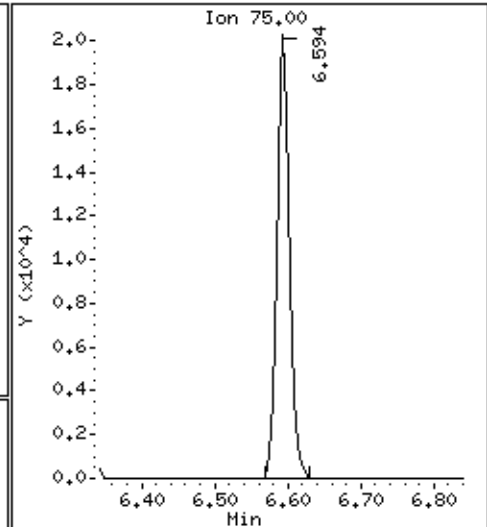
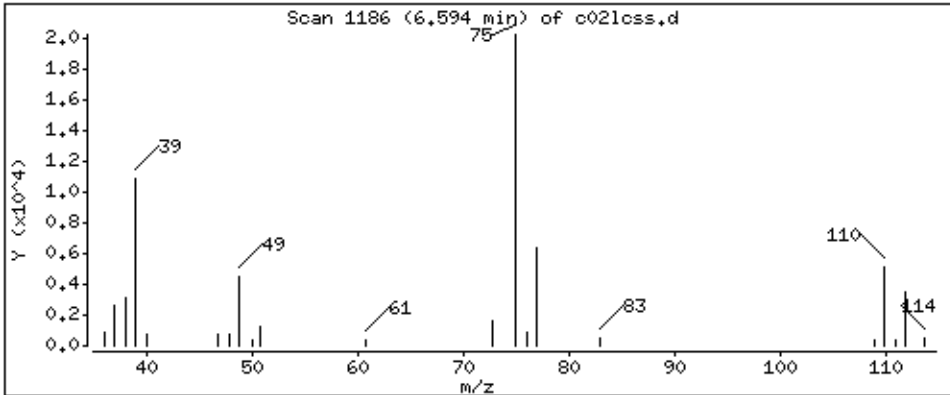
Column phase: DB-624

Column diameter: 0,18

54 trans-1,3-Dichloropropene

Concentration: 39,9 ppb

Review Code:



Date : 02-JUL-2014 22:31

Client ID: MBLCS

Instrument: 50mv3a.i

Sample Info: 1122065,71089;5

Operator: jlz

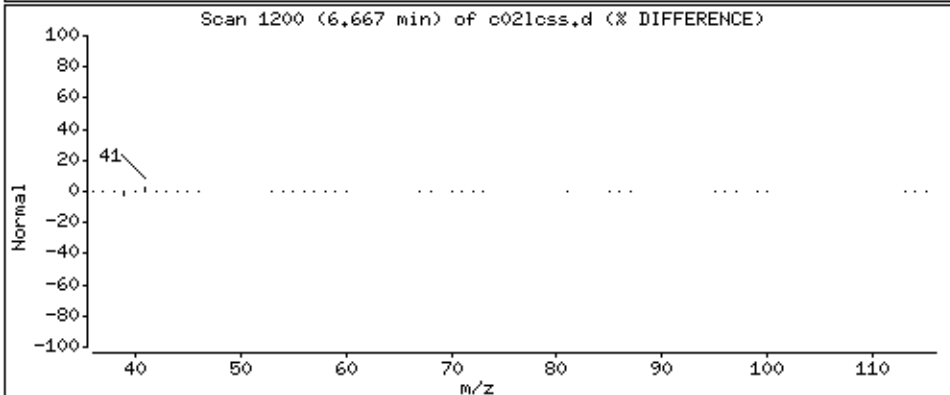
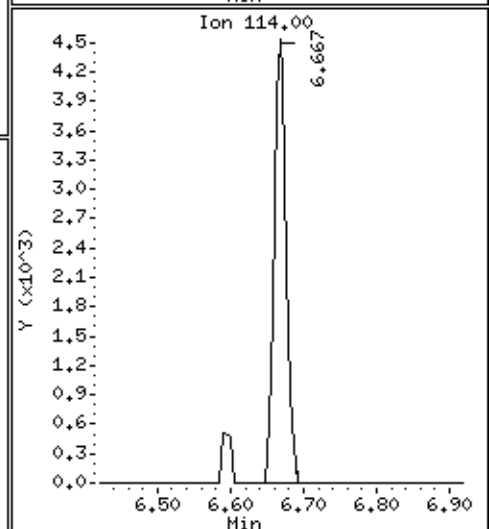
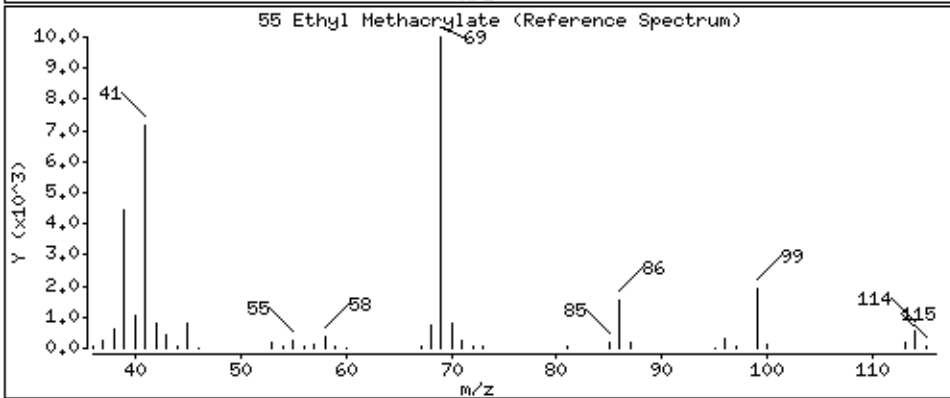
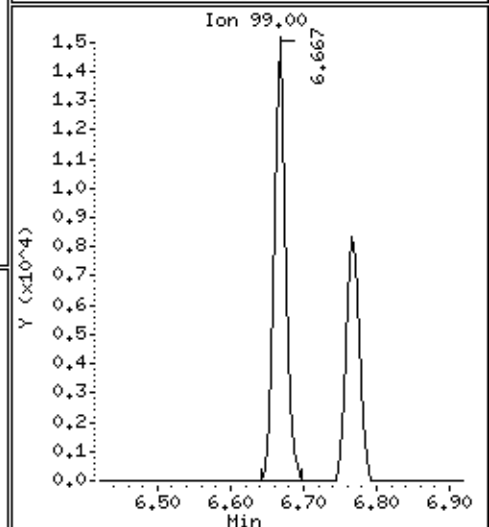
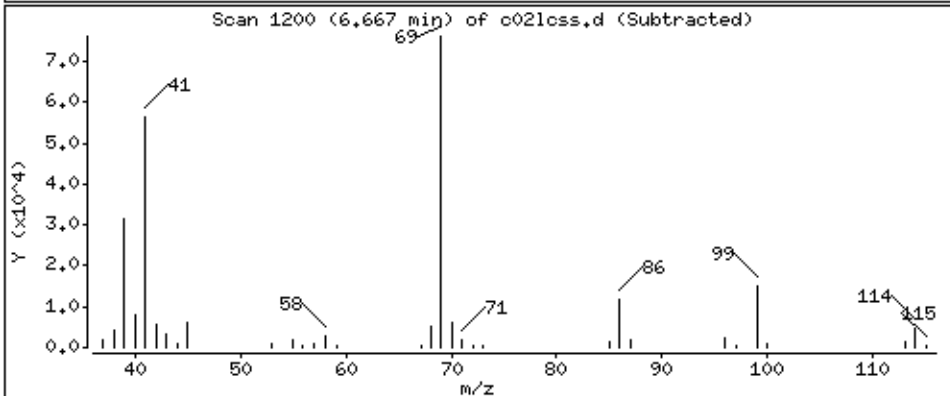
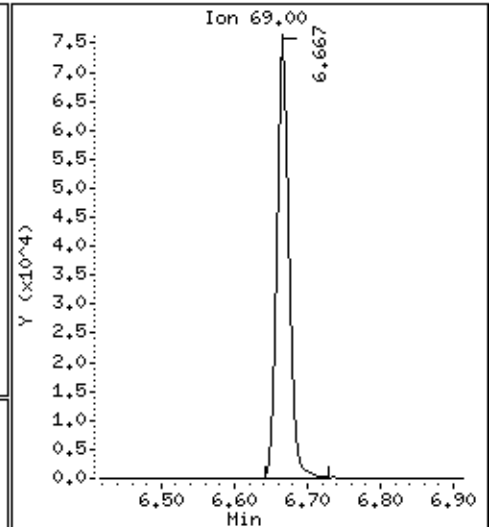
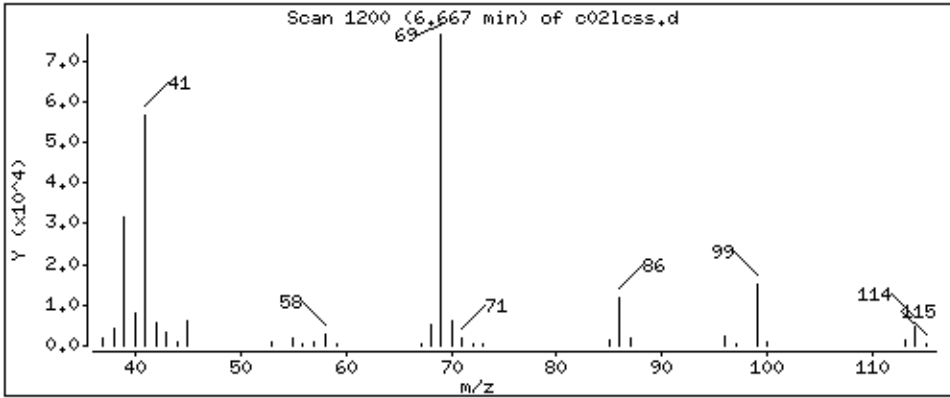
Column phase: DB-624

Column diameter: 0,18

55 Ethyl Methacrylate

Concentration: 155 ppb

Review Code:



Date : 02-JUL-2014 22:31

Client ID: MBLCS

Instrument: 50mv3a.i

Sample Info: 1122065,71089;5

Operator: jlz

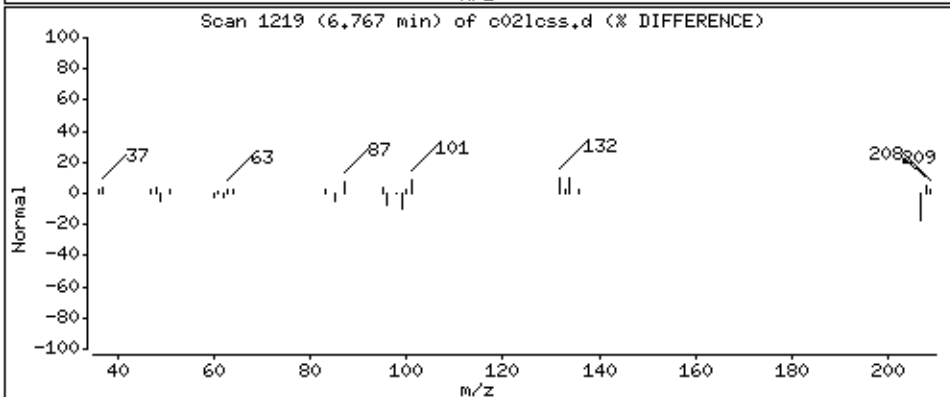
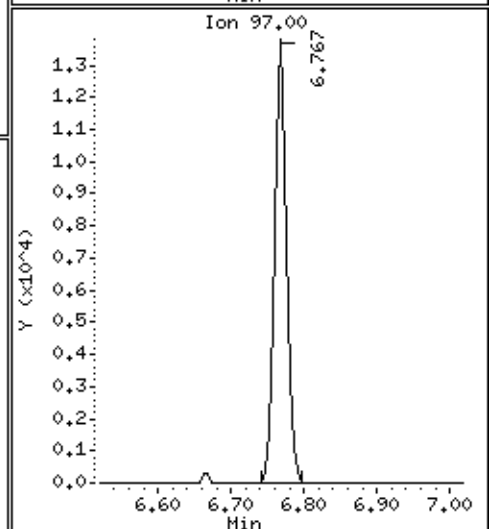
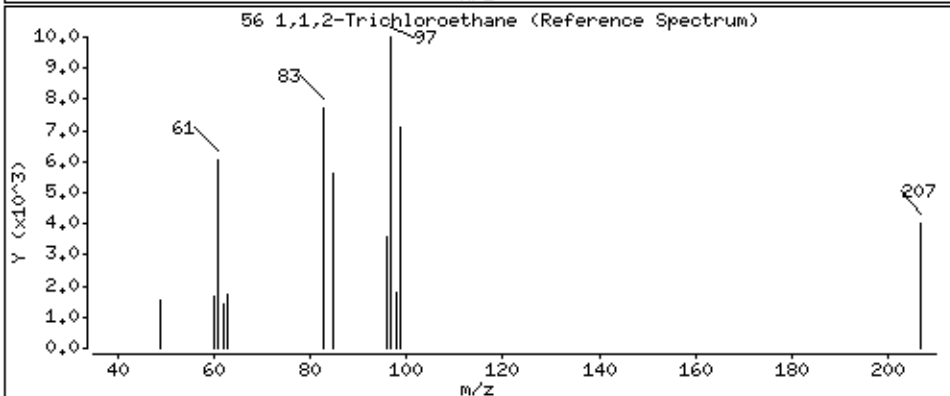
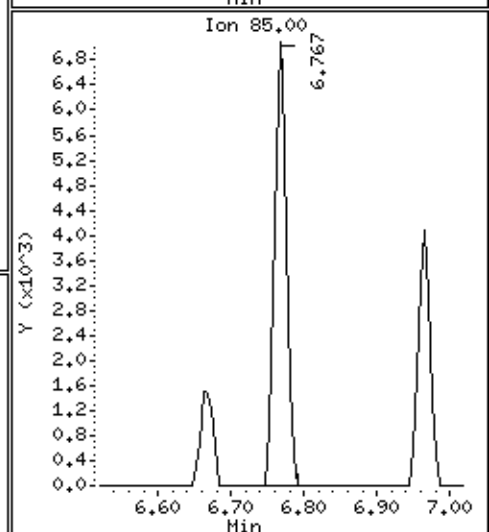
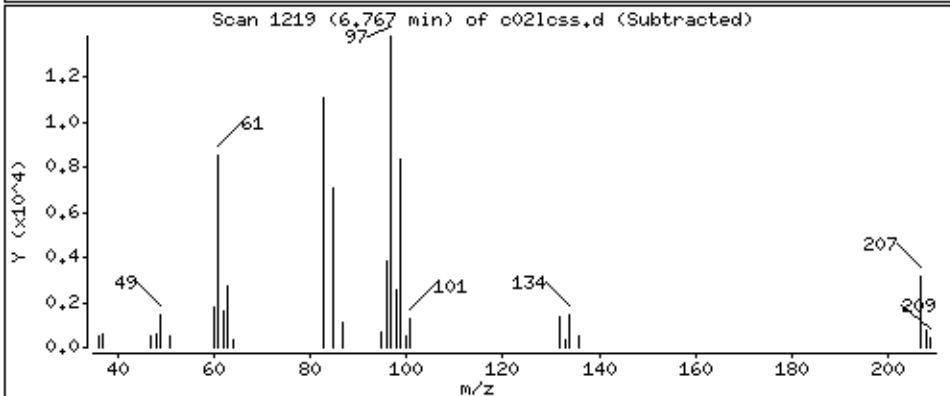
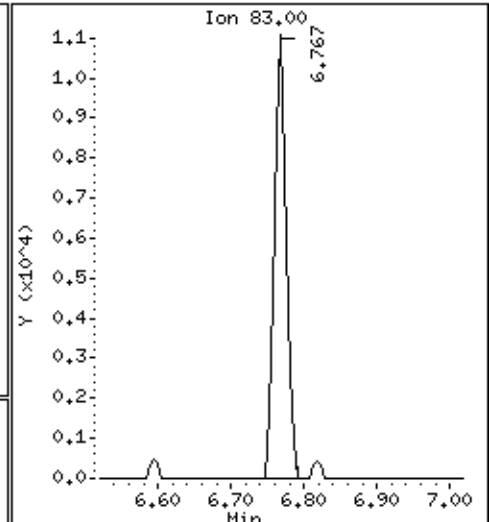
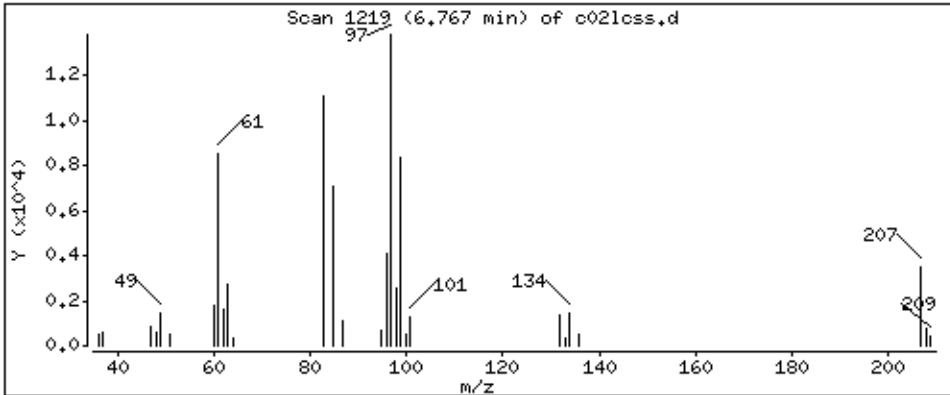
Column phase: DB-624

Column diameter: 0,18

56 1,1,2-Trichloroethane

Concentration: 41.2 ppb

Review Code:



Date : 02-JUL-2014 22:31

Client ID: MBLCS

Instrument: 50mv3a.i

Sample Info: 1122065,71089;5

Operator: jlz

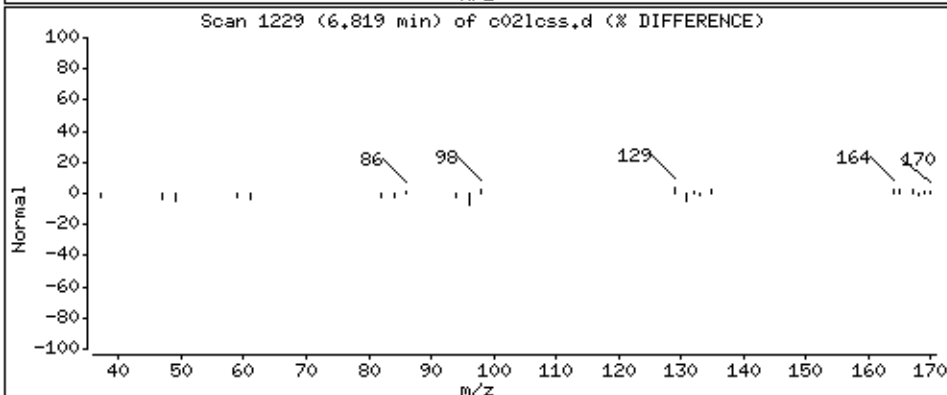
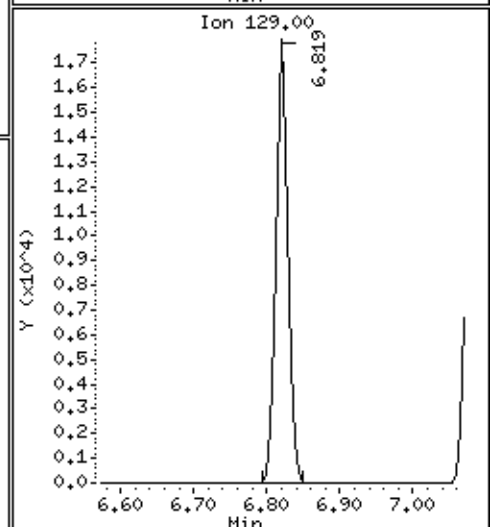
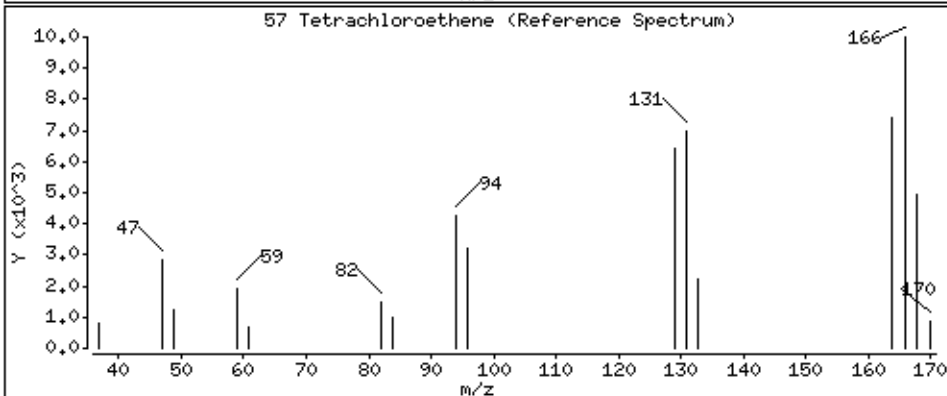
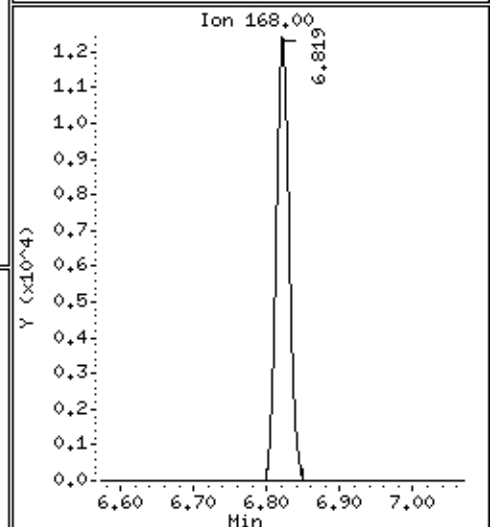
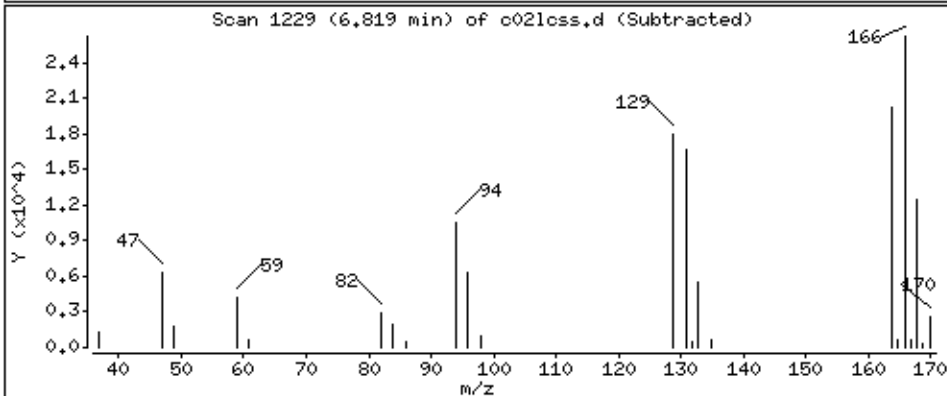
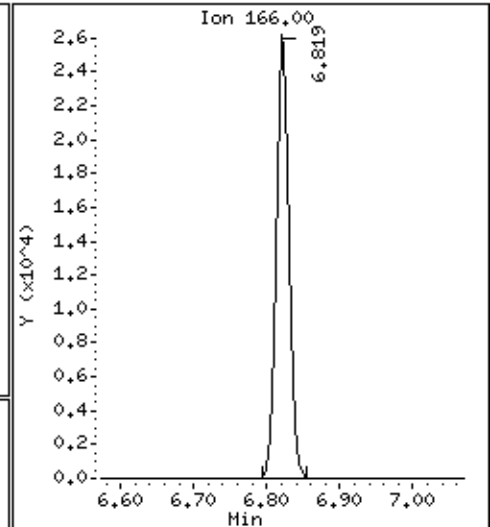
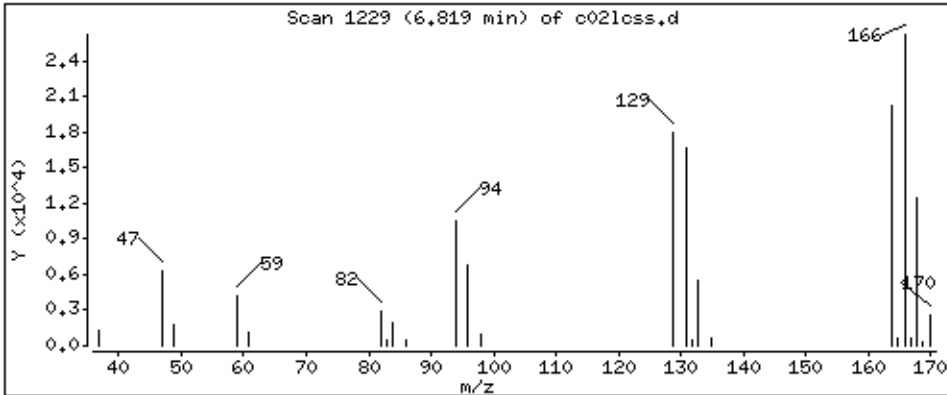
Column phase: DB-624

Column diameter: 0,18

57 Tetrachloroethene

Concentration: 40,4 ppb

Review Code:



Date : 02-JUL-2014 22:31

Client ID: MBLCS

Instrument: 50mw3a.i

Sample Info: 1122065,71089;5

Operator: jlz

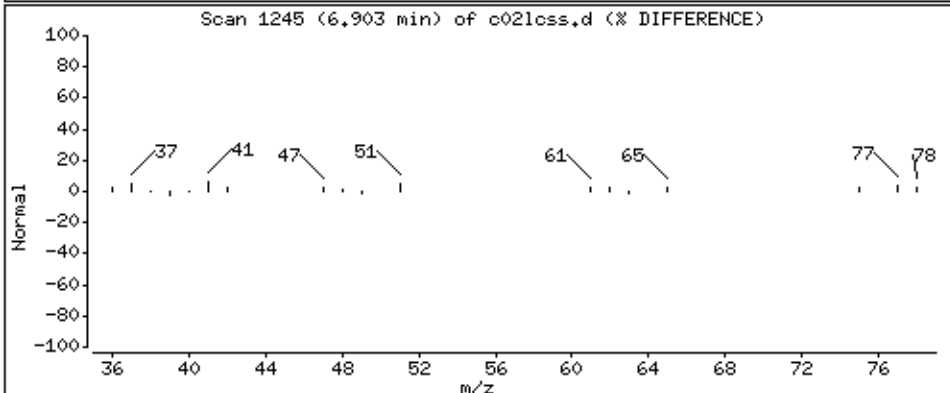
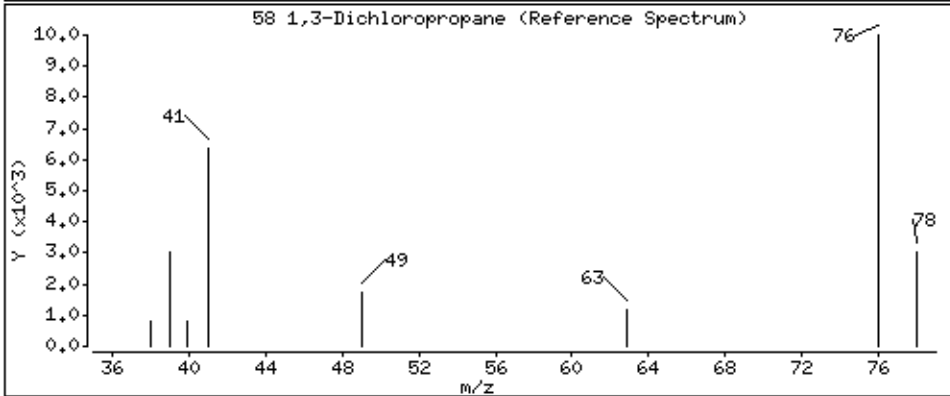
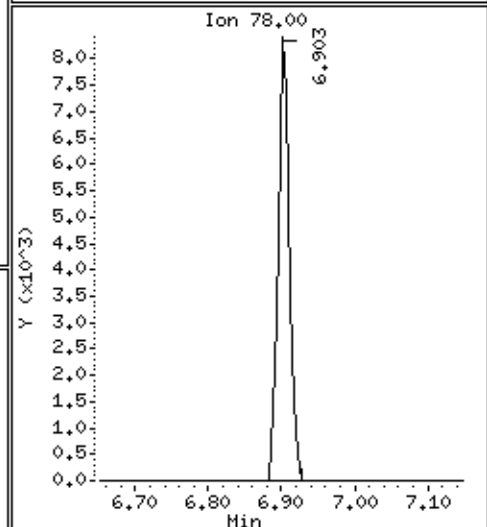
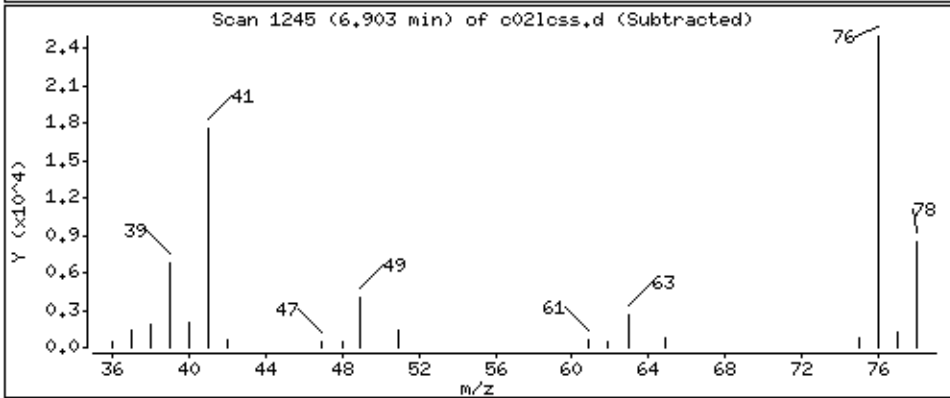
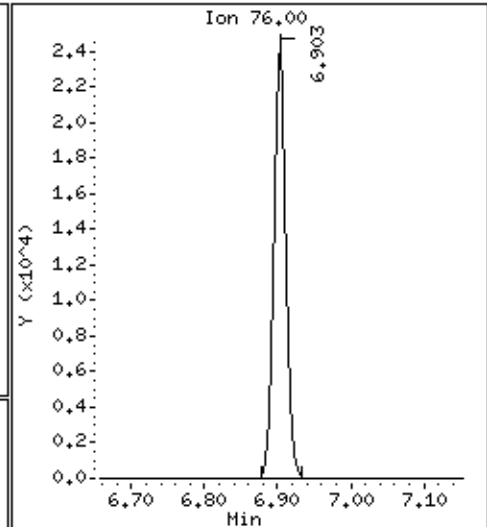
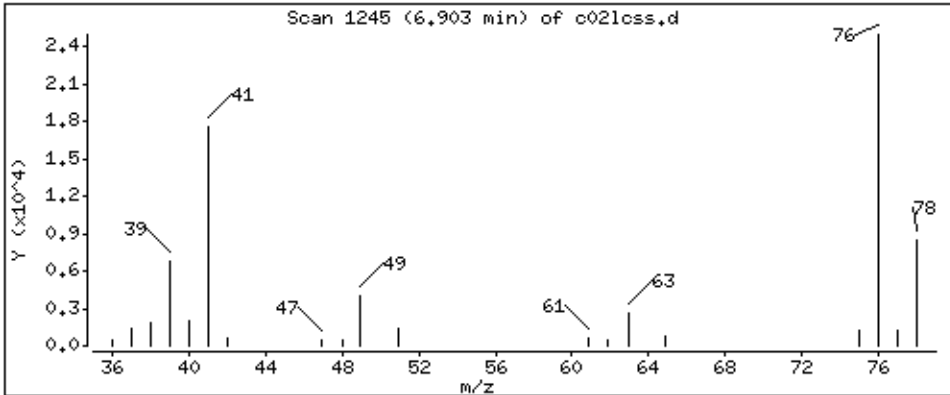
Column phase: DB-624

Column diameter: 0,18

58 1,3-Dichloropropane

Concentration: 40,4 ppb

Review Code:



Date : 02-JUL-2014 22:31

Client ID: MBLCS

Instrument: 50mw3a.i

Sample Info: 1122065,71089;5

Operator: jlz

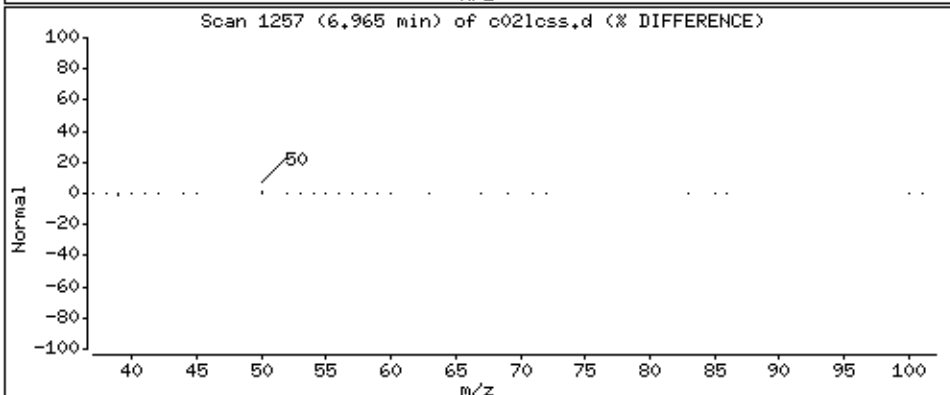
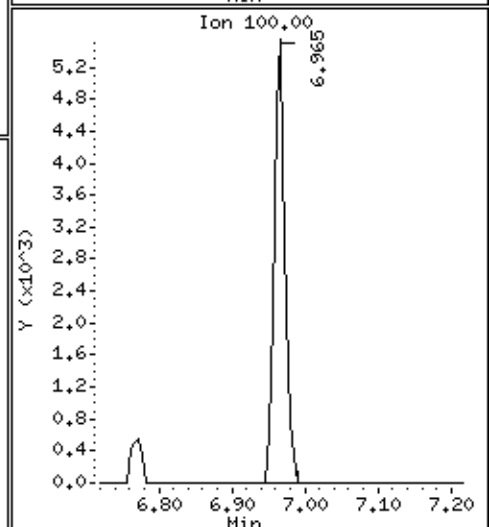
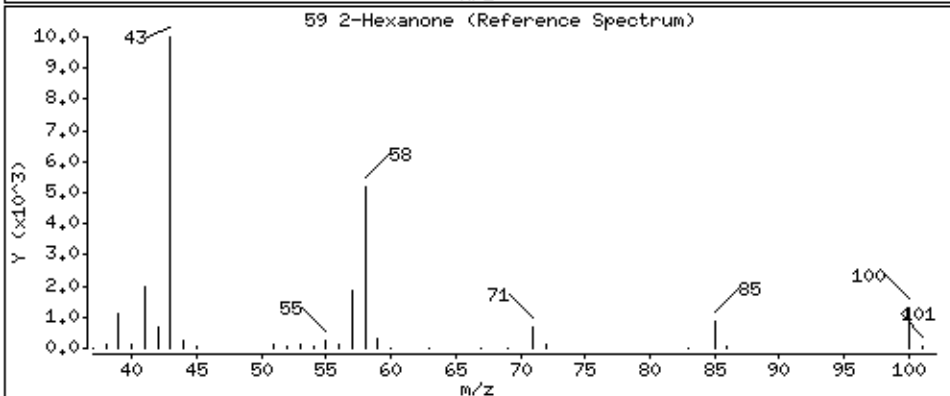
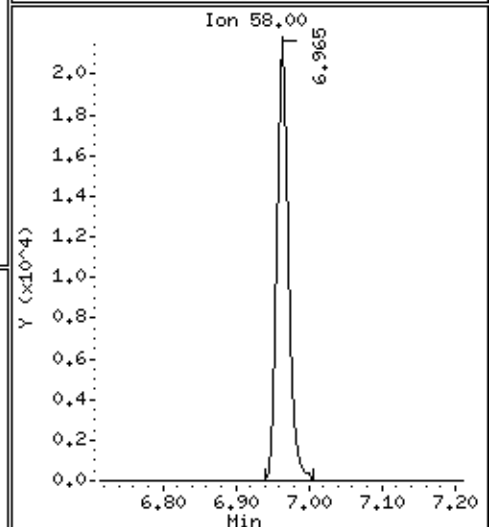
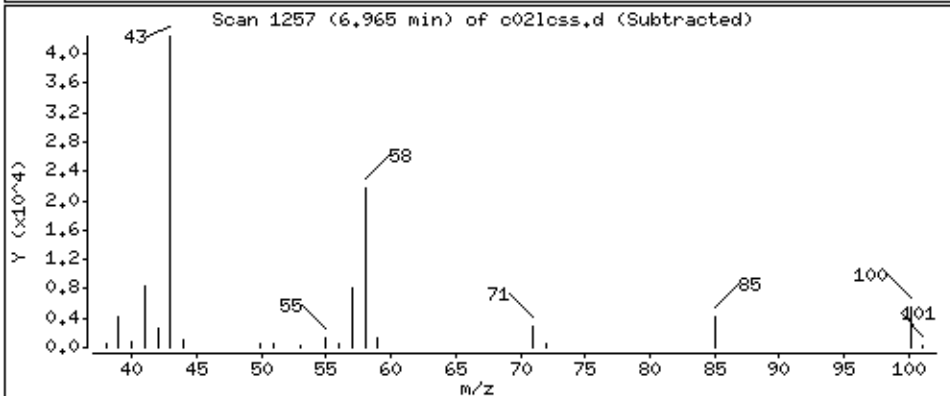
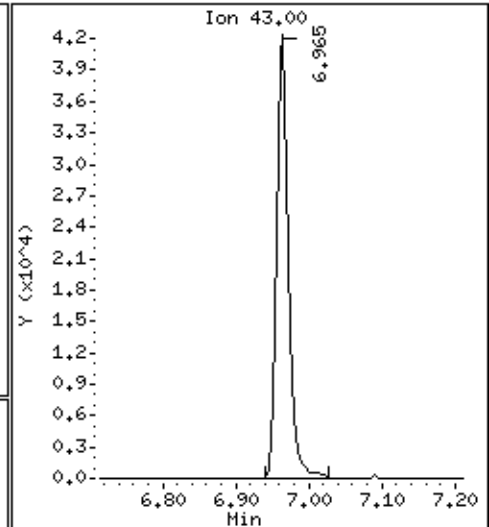
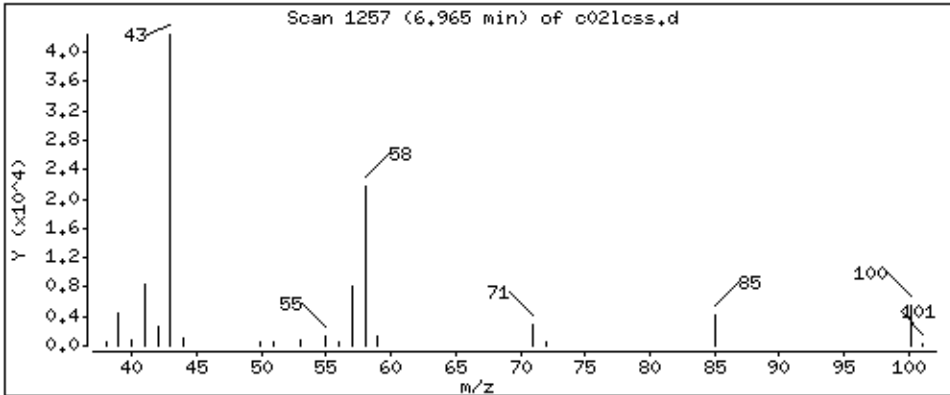
Column phase: DB-624

Column diameter: 0,18

59 2-Hexanone

Concentration: 214 ppb

Review Code:



Date : 02-JUL-2014 22:31

Client ID: MBLCS

Instrument: 50mv3a.i

Sample Info: 1122065,71089;5

Operator: jlz

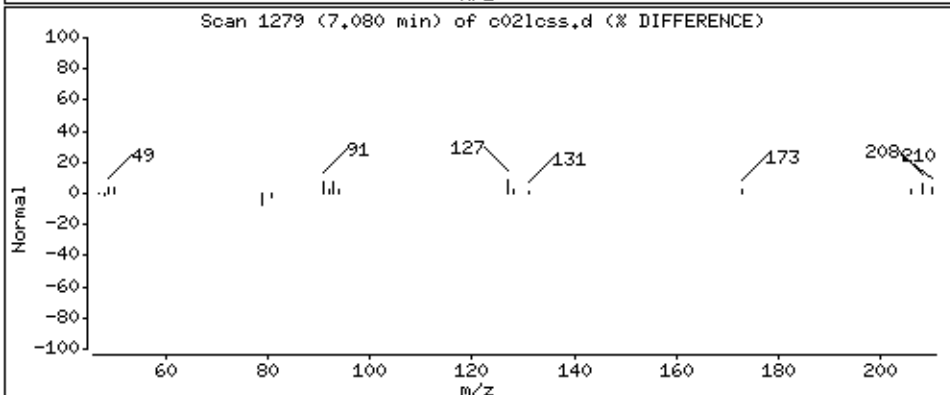
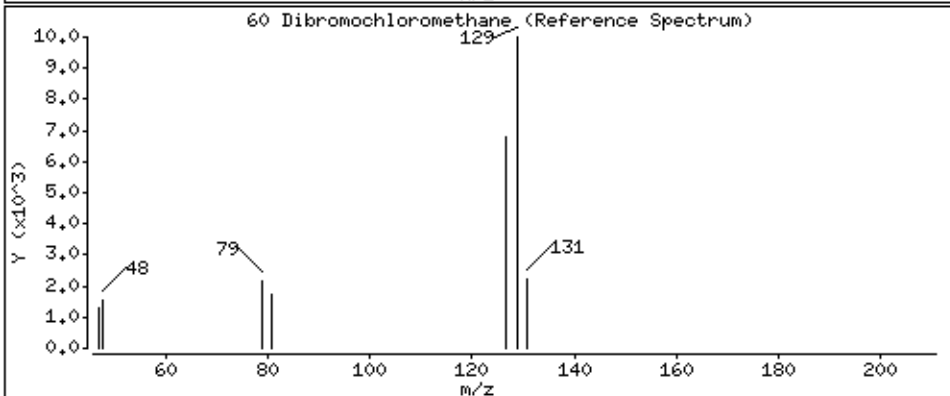
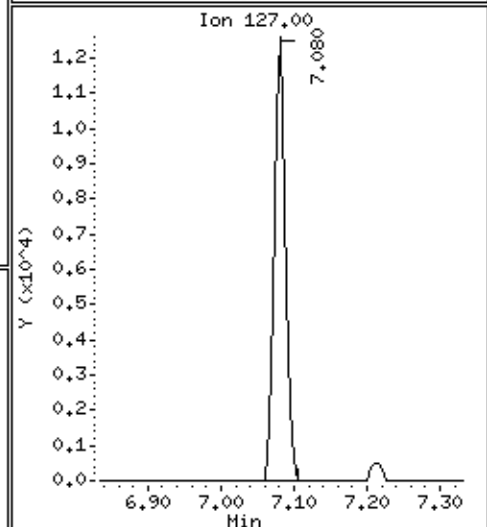
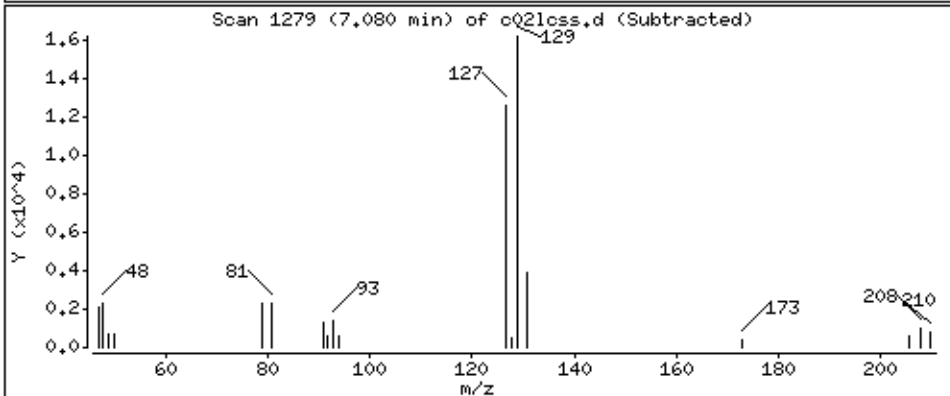
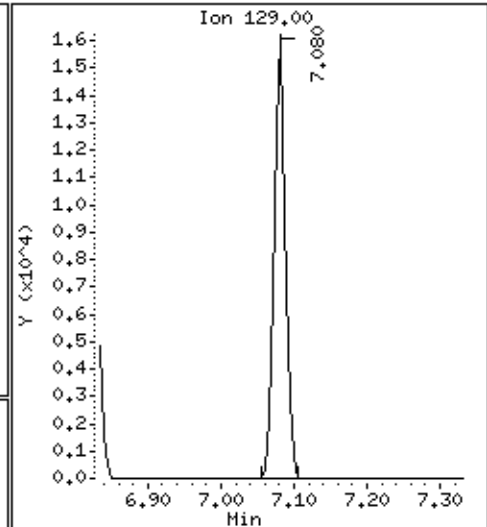
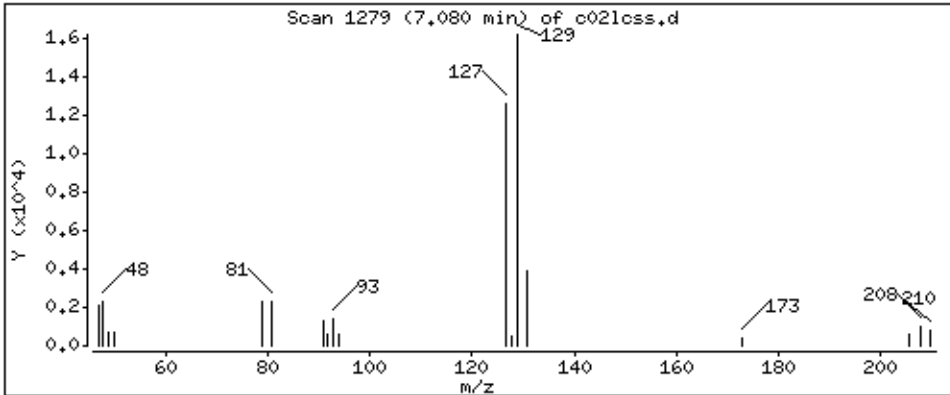
Column phase: DB-624

Column diameter: 0,18

60 Dibromochloromethane

Concentration: 38,3 ppb

Review Code:



Date : 02-JUL-2014 22:31

Client ID: MBLCS

Instrument: 50mw3a.i

Sample Info: 1122065,71089;5

Operator: jlz

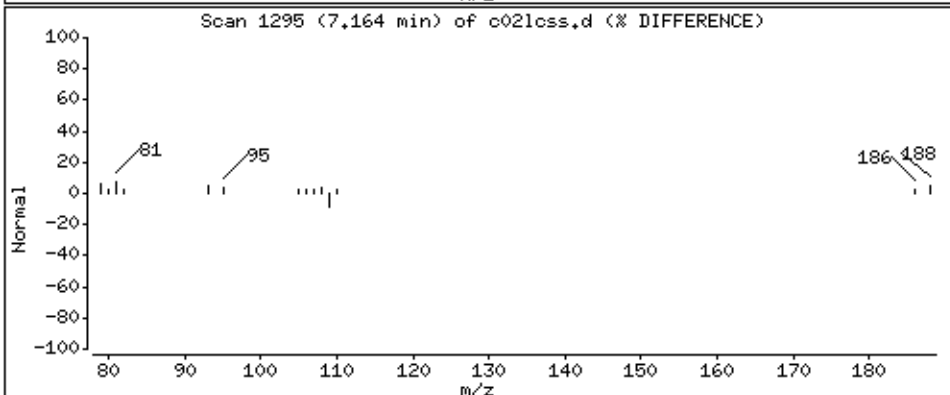
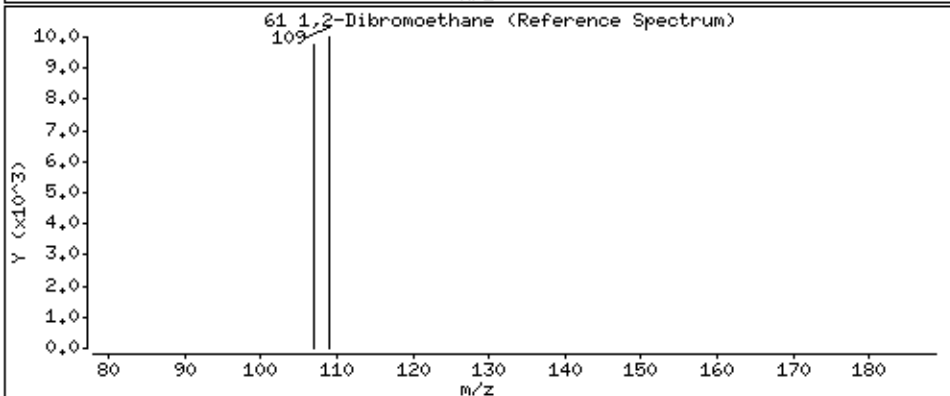
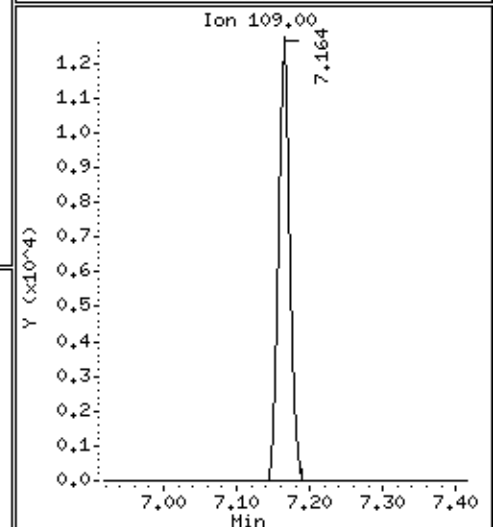
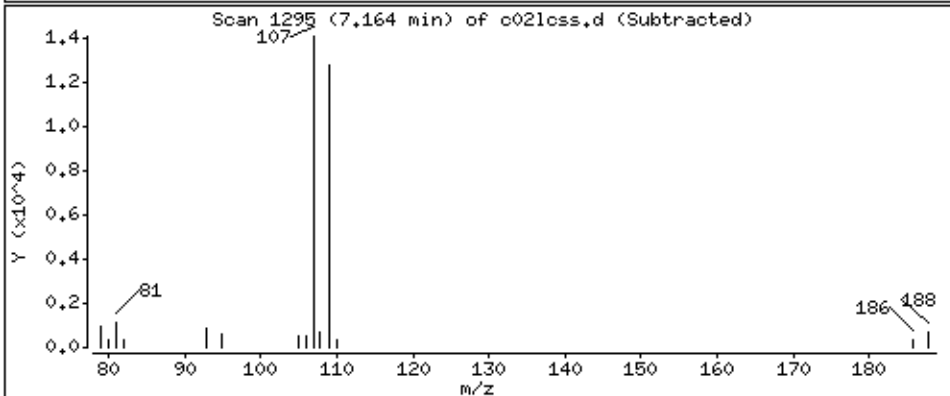
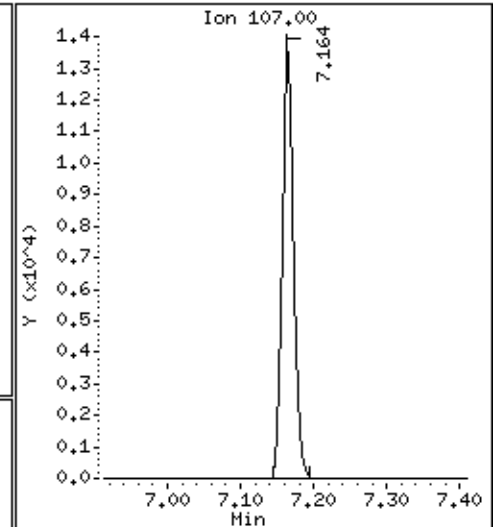
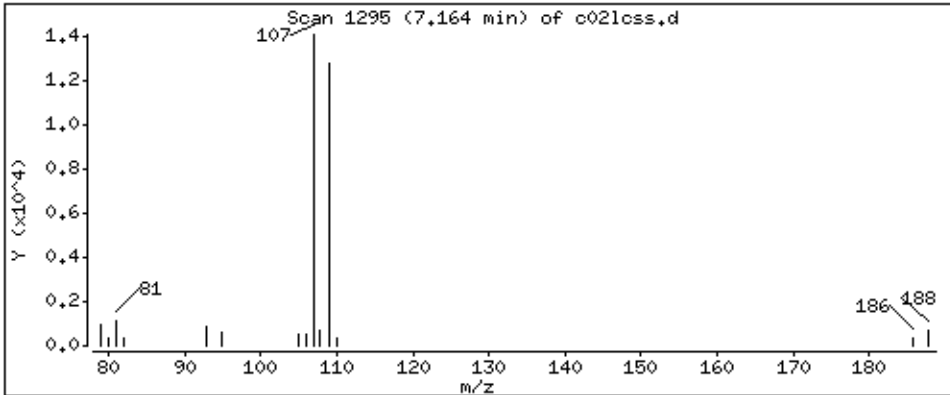
Column phase: DB-624

Column diameter: 0,18

61 1,2-Dibromoethane

Concentration: 45,3 ppb

Review Code:



Date : 02-JUL-2014 22:31

Client ID: MBLCS

Instrument: 50mv3a.i

Sample Info: 1122065,71089;5

Operator: jlz

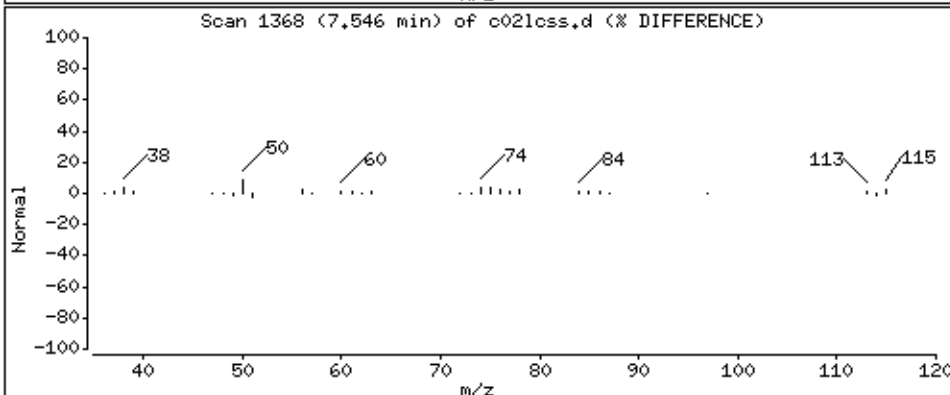
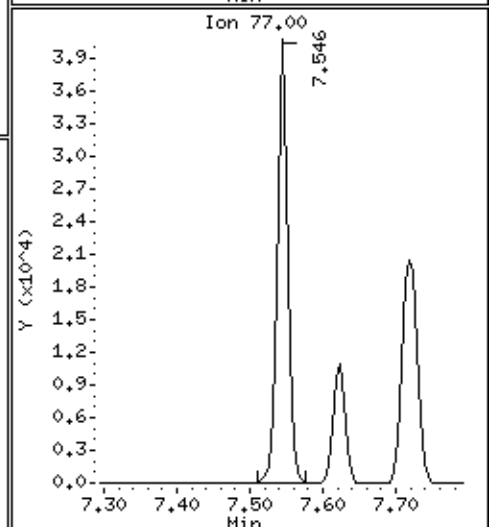
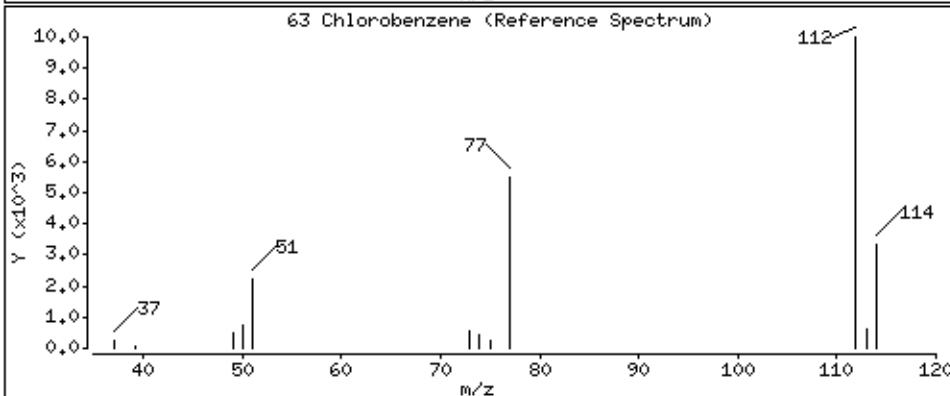
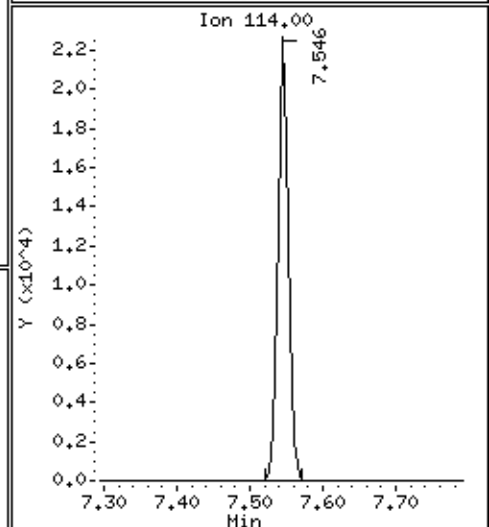
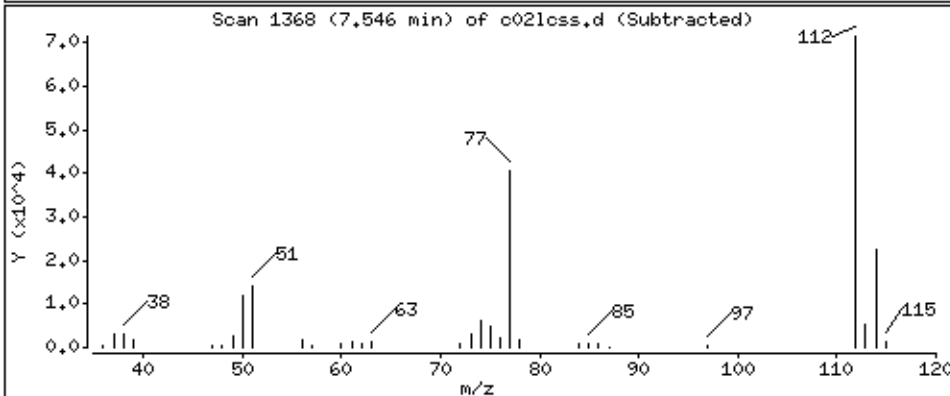
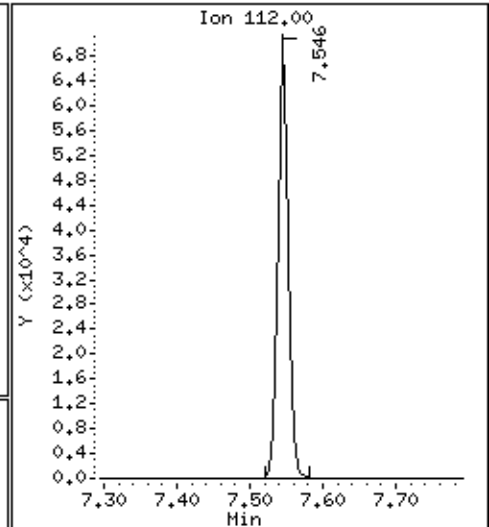
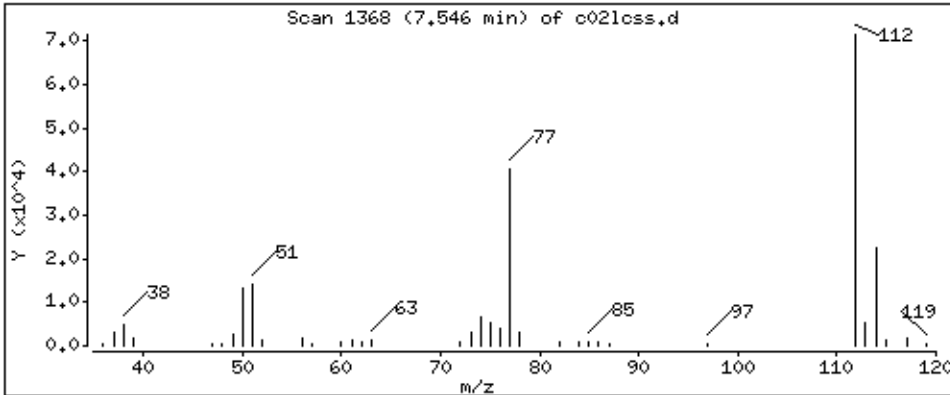
Column phase: DB-624

Column diameter: 0,18

63 Chlorobenzene

Concentration: 40,7 ppb

Review Code:



Date : 02-JUL-2014 22:31

Client ID: MBLCS

Instrument: 50mw3a.i

Sample Info: 1122065,71089;5

Operator: jlz

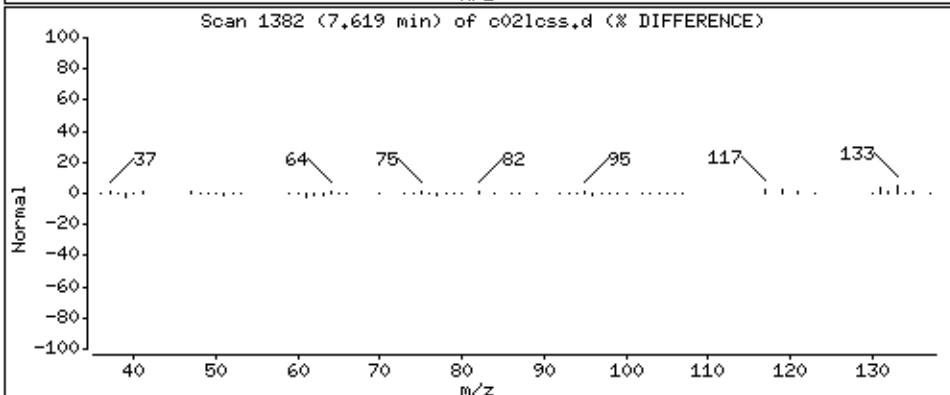
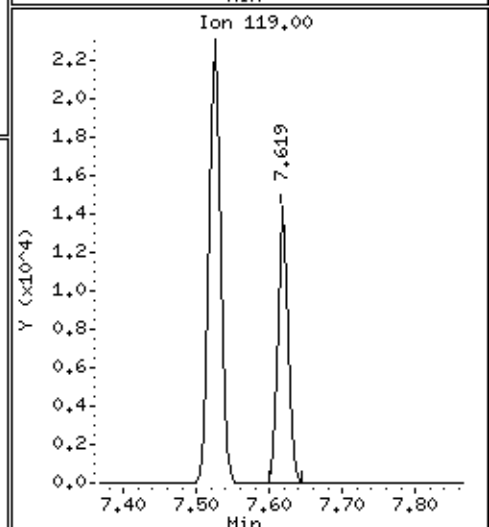
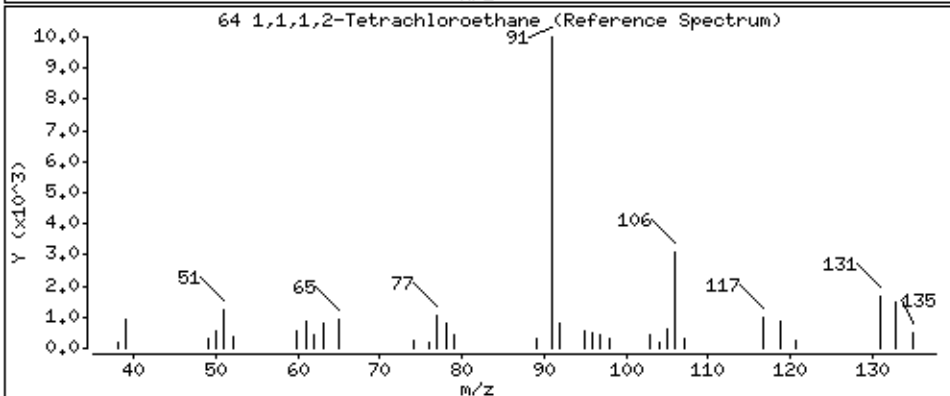
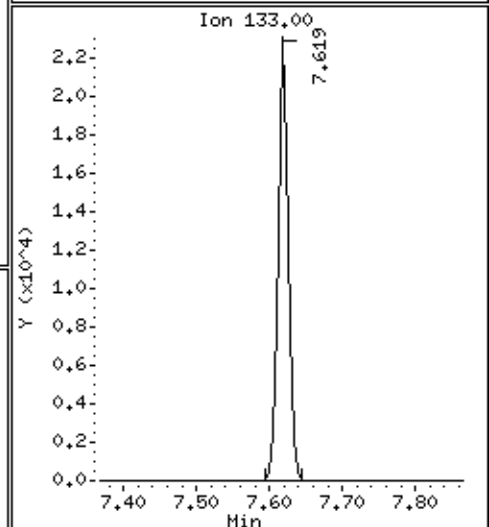
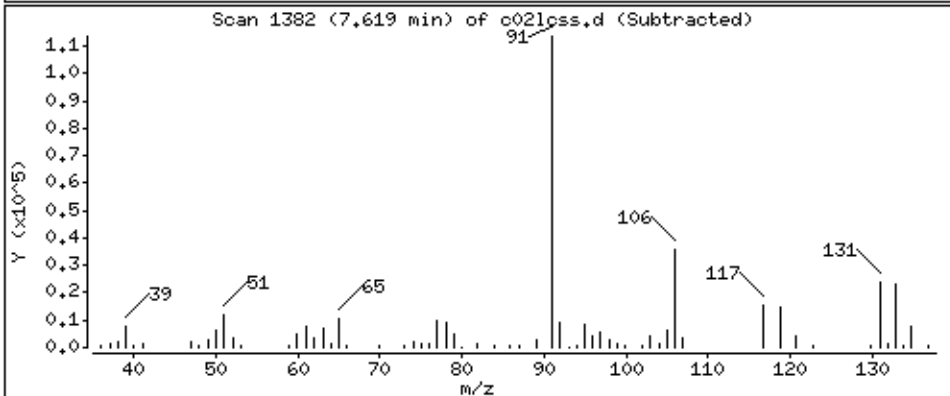
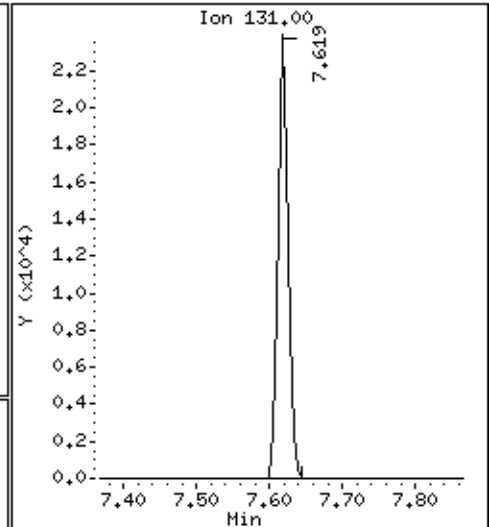
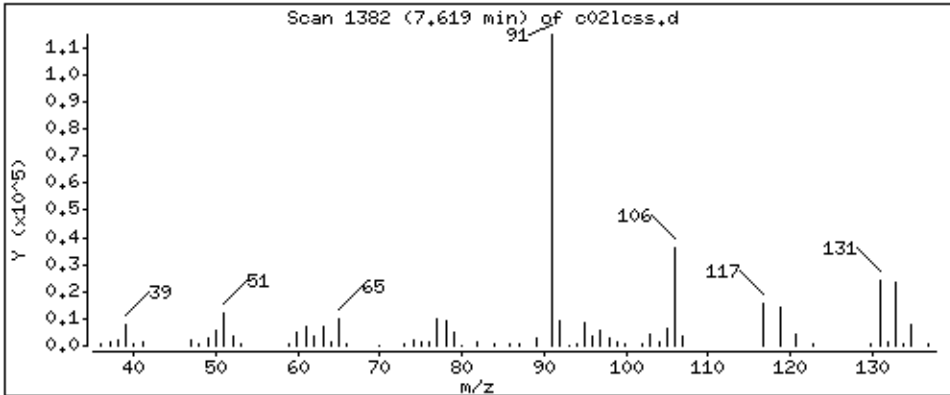
Column phase: DB-624

Column diameter: 0,18

64 1,1,1,2-Tetrachloroethane

Concentration: 45,6 ppb

Review Code:



Date : 02-JUL-2014 22:31

Client ID: MBLCS

Instrument: 50mw3a.i

Sample Info: 1122065,71089;5

Operator: jlz

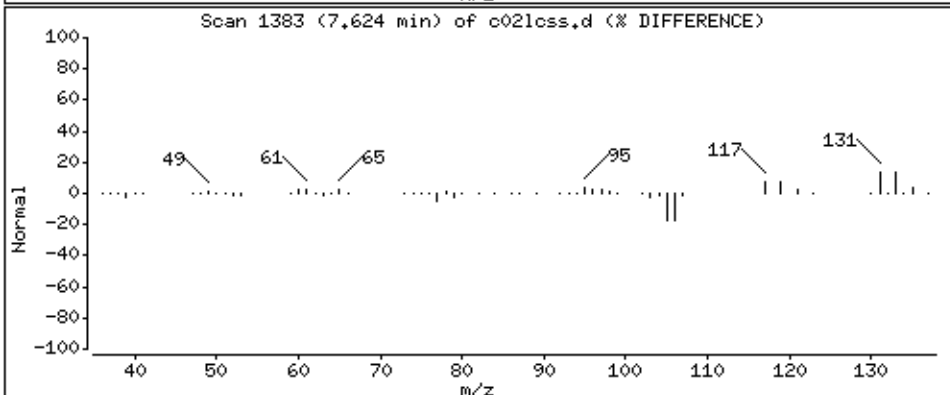
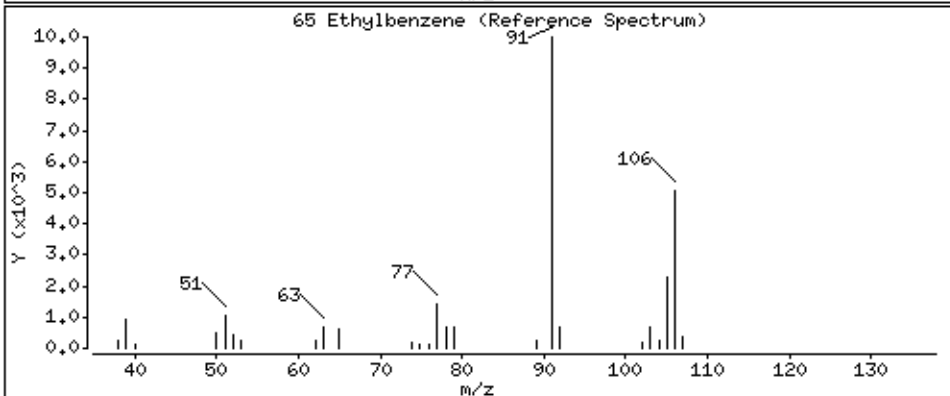
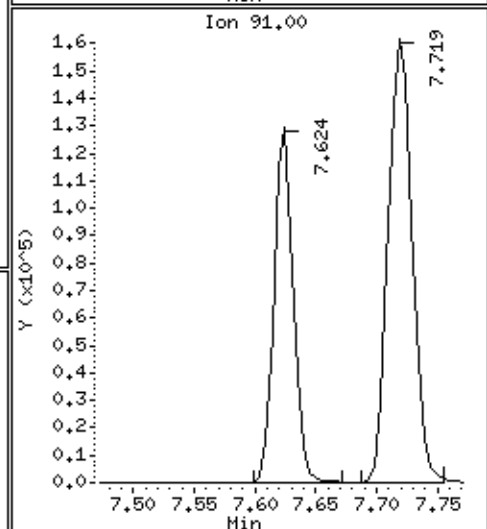
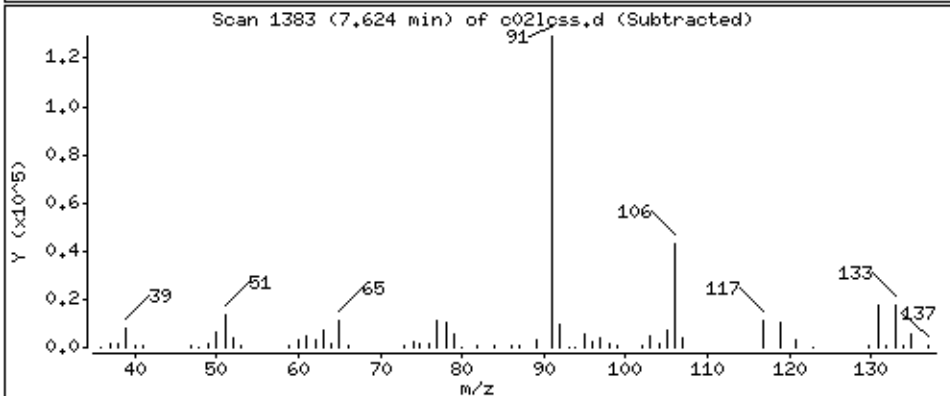
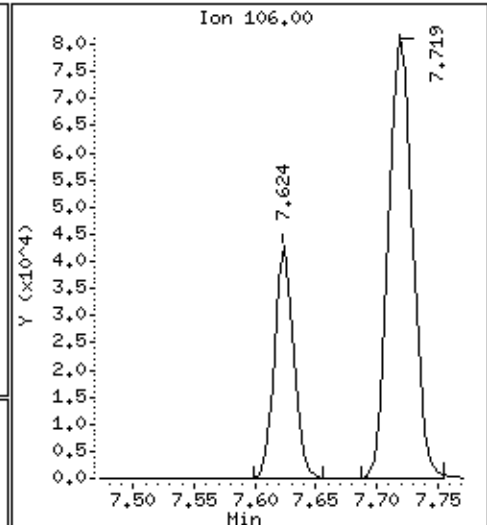
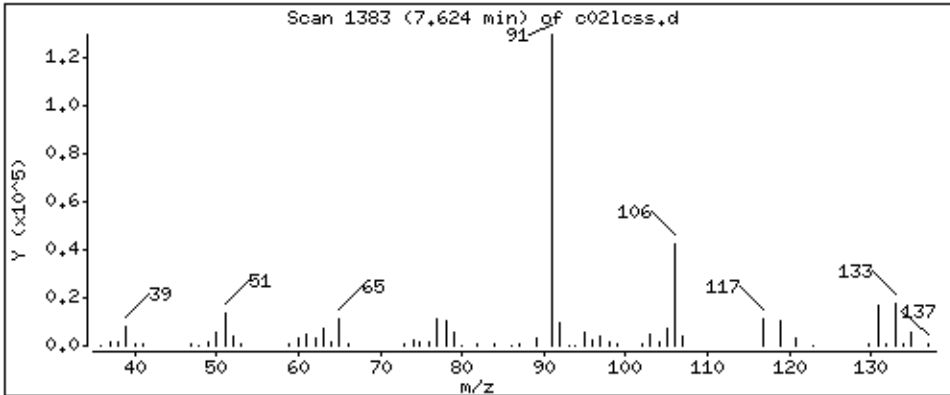
Column phase: DB-624

Column diameter: 0,18

65 Ethylbenzene

Concentration: 42.1 ppb

Review Code:



Date : 02-JUL-2014 22:31

Client ID: MBLCS

Instrument: 50mw3a.i

Sample Info: 1122065,71089;5

Operator: jlz

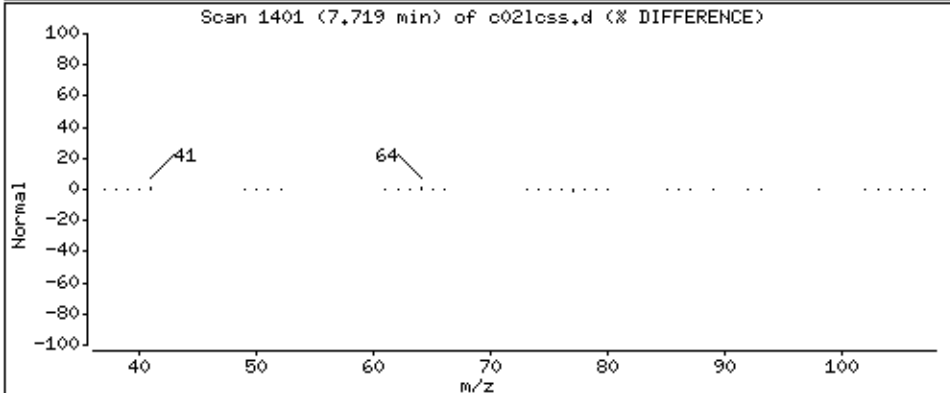
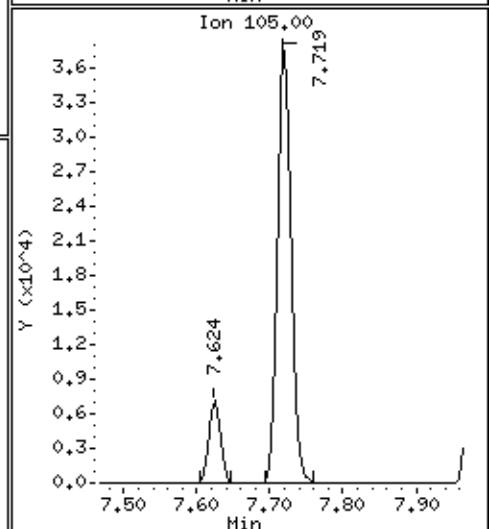
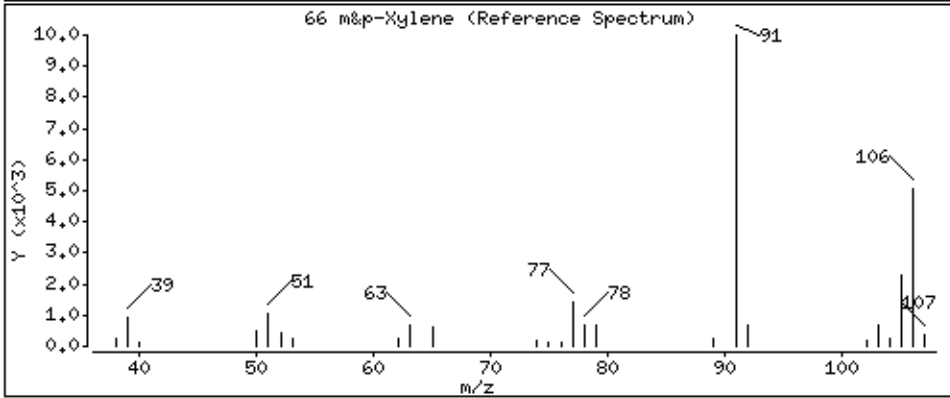
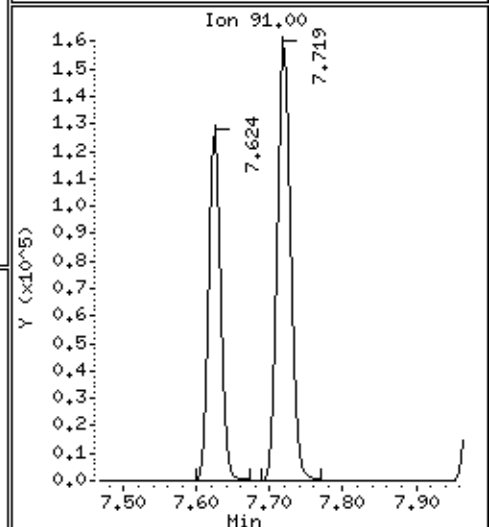
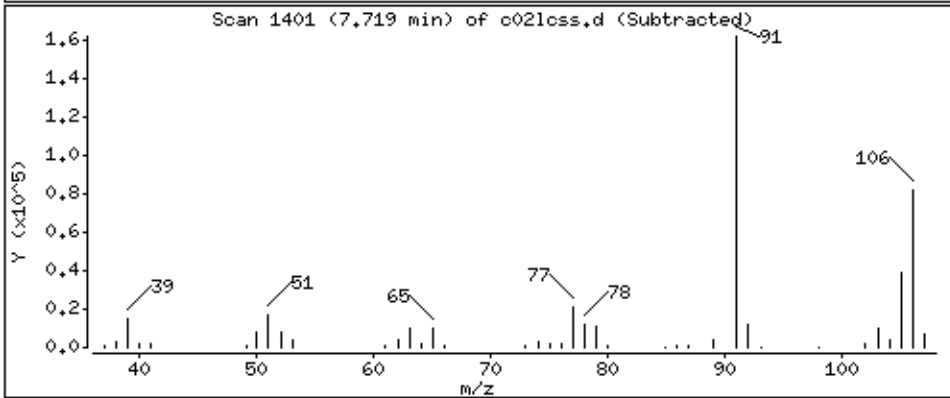
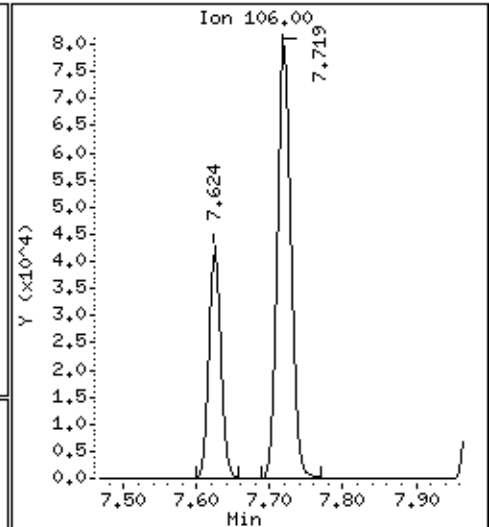
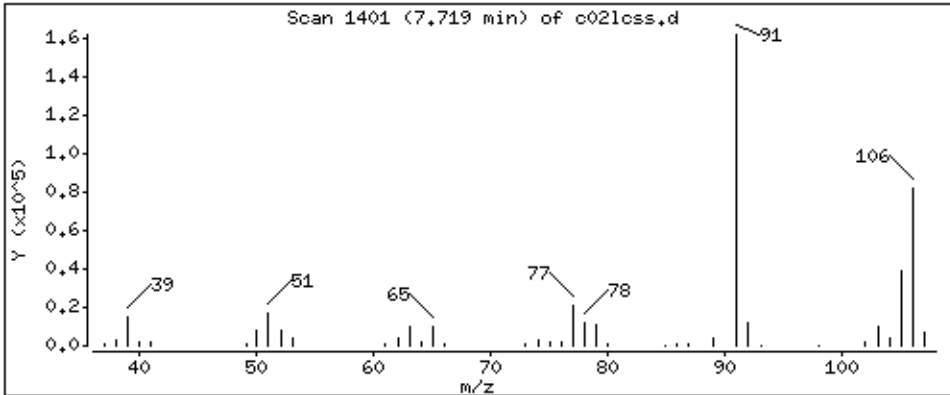
Column phase: DB-624

Column diameter: 0,18

66 m&p-Xylene

Concentration: 83,1 ppb

Review Code:



Date : 02-JUL-2014 22:31

Client ID: MBLCS

Instrument: 50mw3a.i

Sample Info: 1122065,71089;5

Operator: jlz

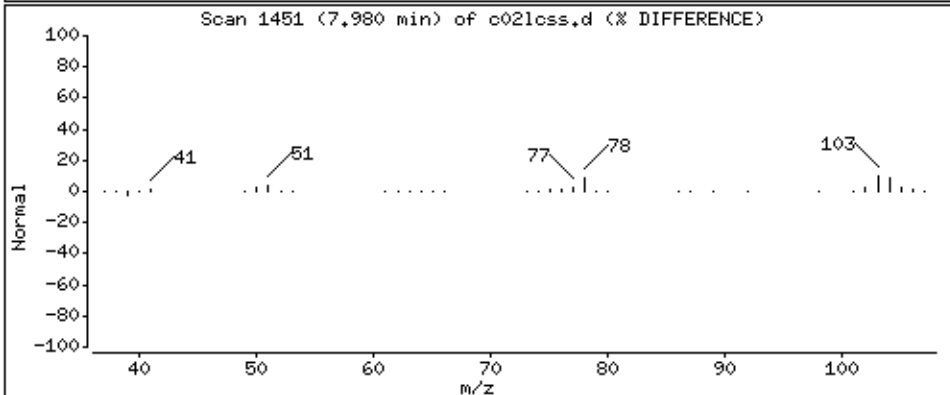
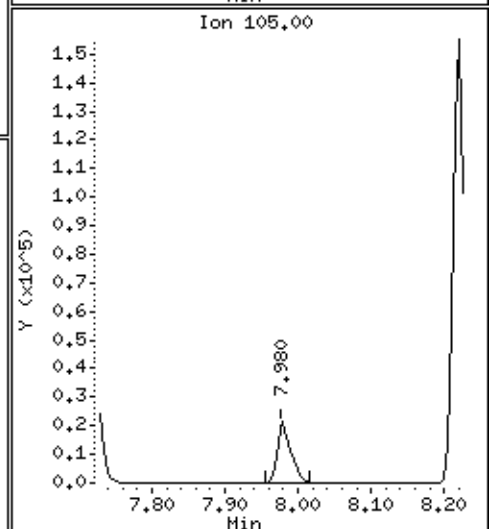
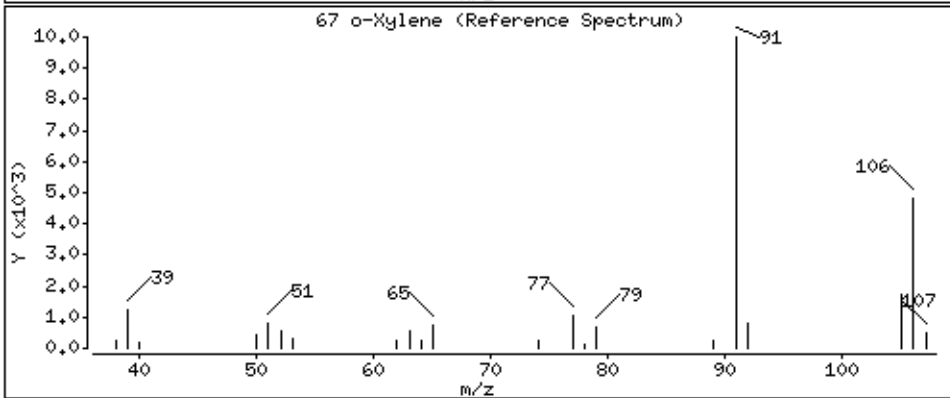
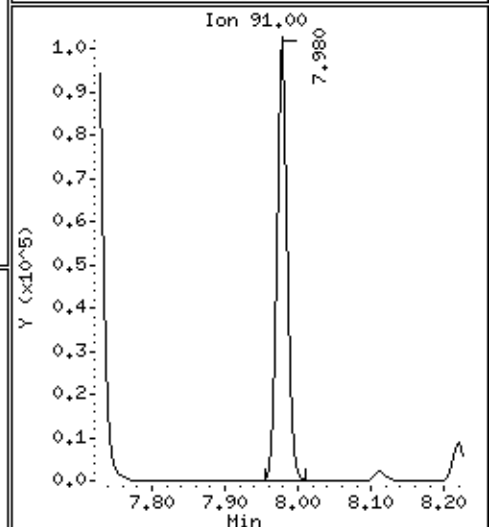
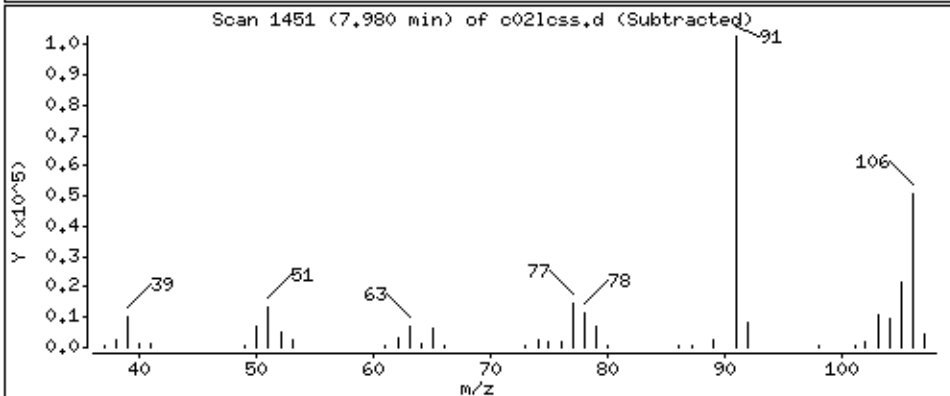
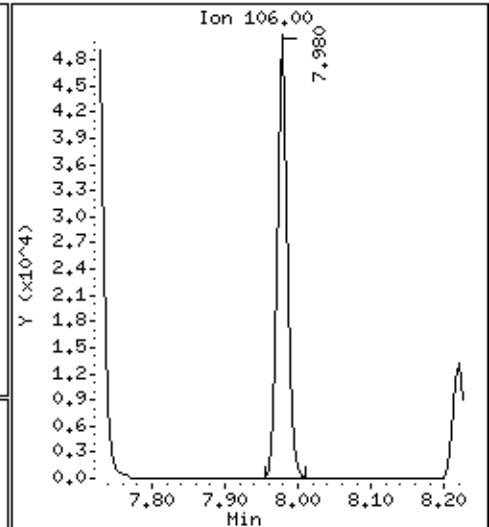
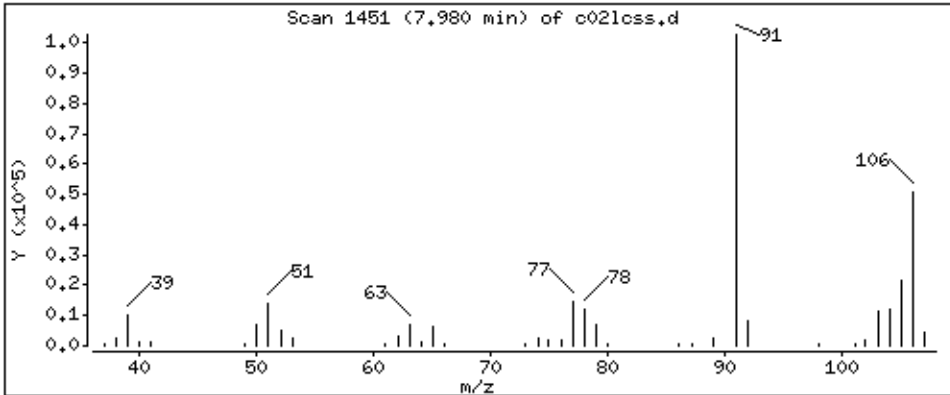
Column phase: DB-624

Column diameter: 0,18

67 o-Xylene

Concentration: 42,7 ppb

Review Code:



Date : 02-JUL-2014 22:31

Client ID: MBLCS

Instrument: 50mw3a.i

Sample Info: 1122065,71089;5

Operator: jlz

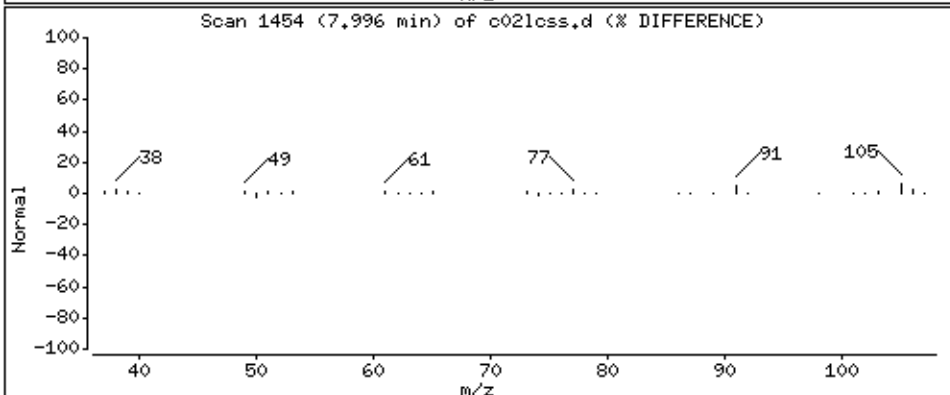
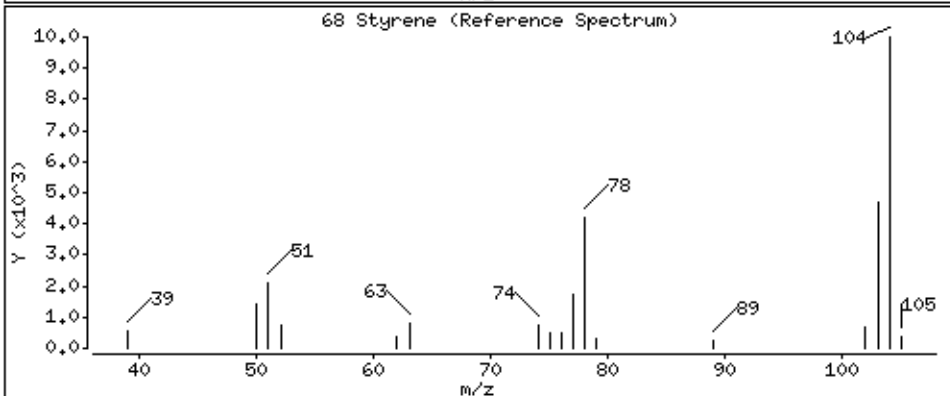
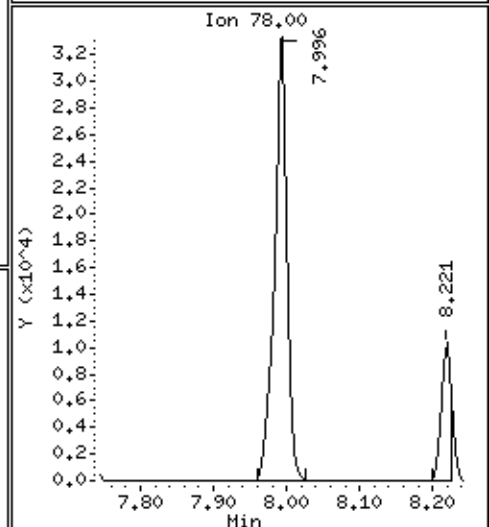
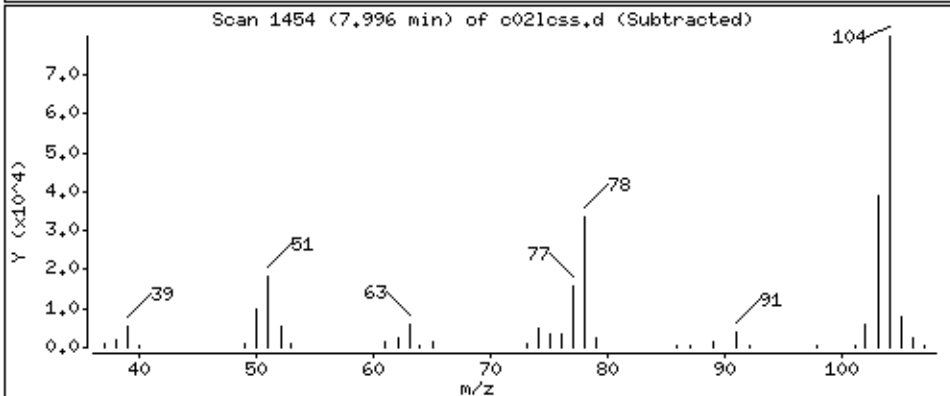
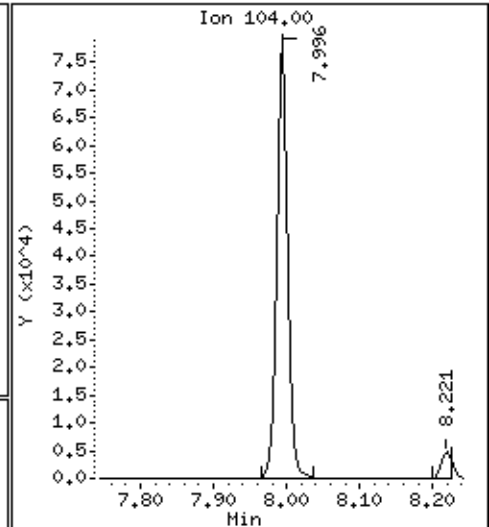
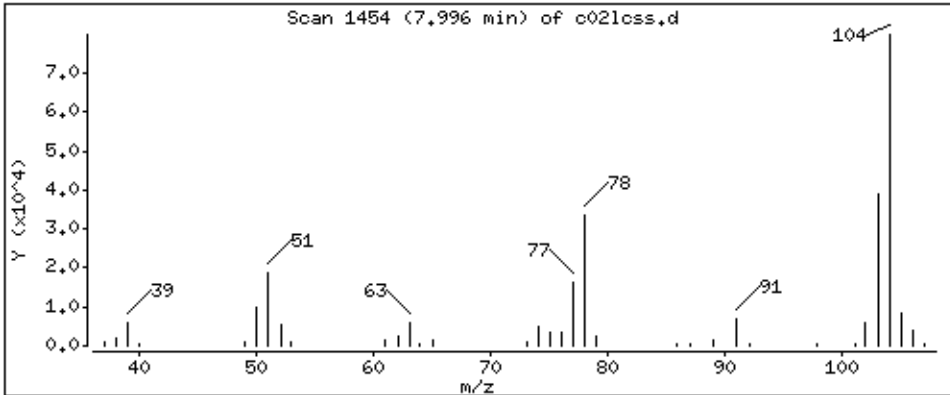
Column phase: DB-624

Column diameter: 0,18

68 Styrene

Concentration: 42,6 ppb

Review Code:



Date : 02-JUL-2014 22:31

Client ID: MBLCS

Instrument: 50mv3a.i

Sample Info: 1122065,71089;5

Operator: jlz

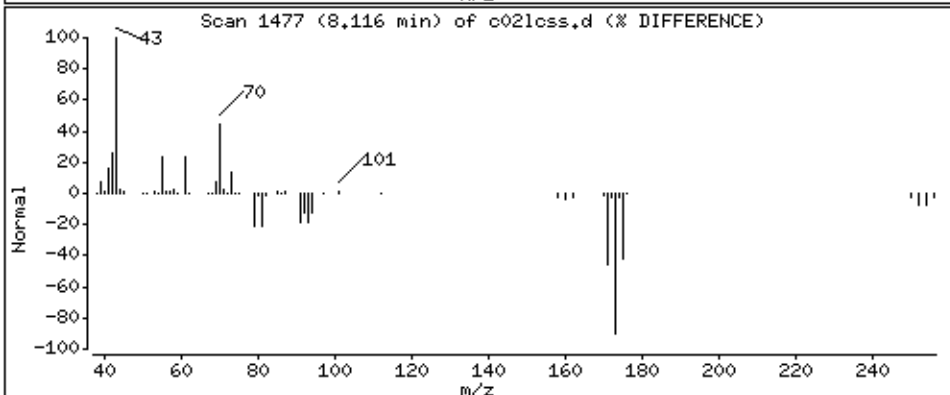
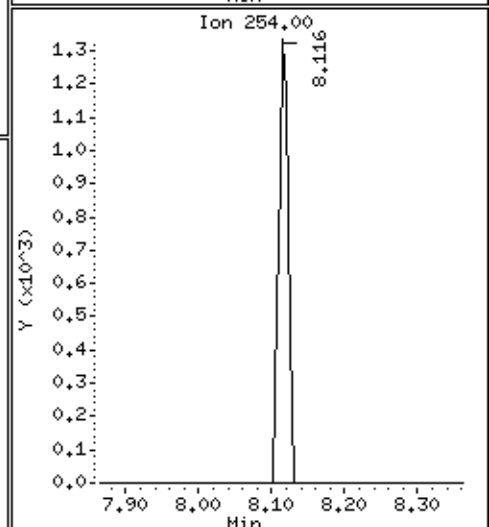
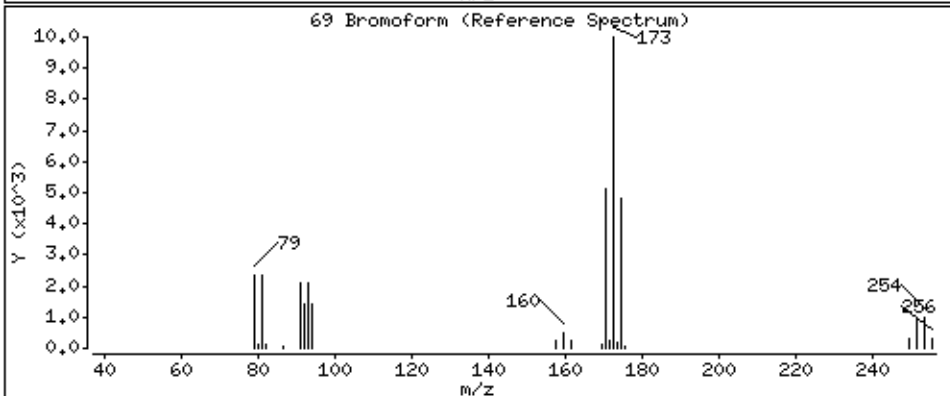
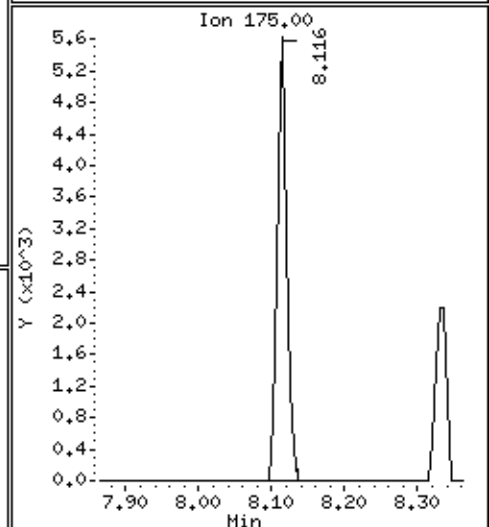
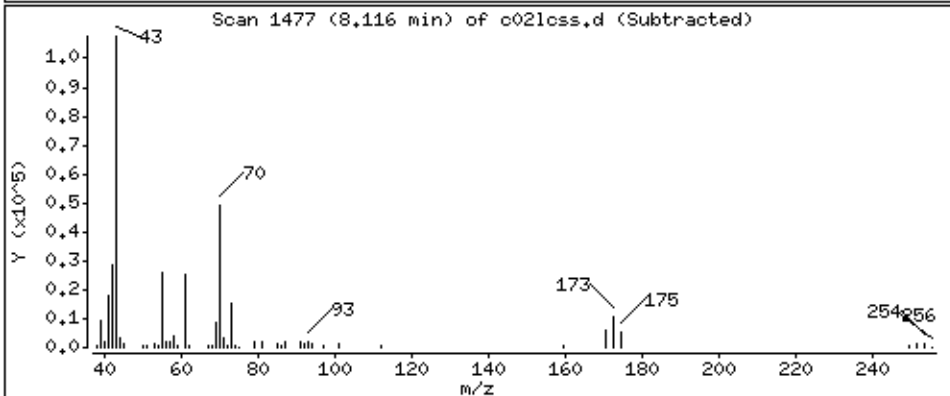
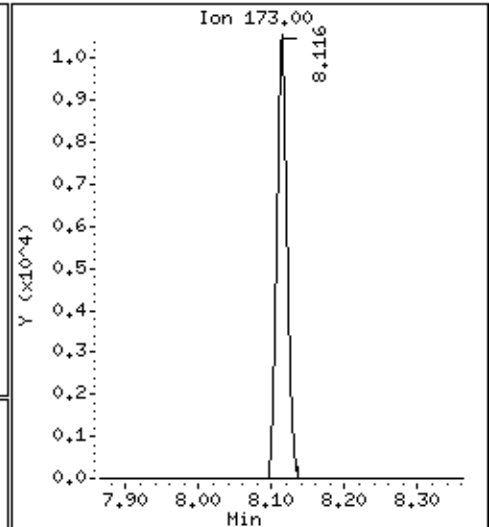
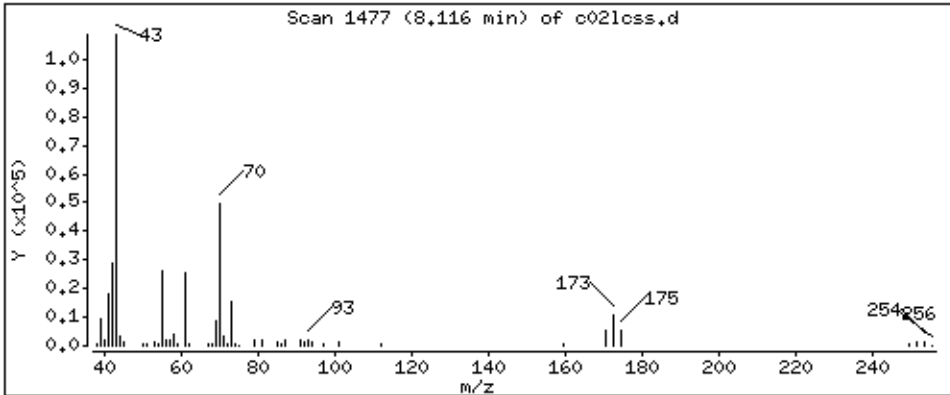
Column phase: DB-624

Column diameter: 0,18

69 Bromoform

Concentration: 39,9 ppb

Review Code:



Date : 02-JUL-2014 22:31

Client ID: MBLCS

Instrument: 50mw3a.i

Sample Info: 1122065,71089;5

Operator: jlj

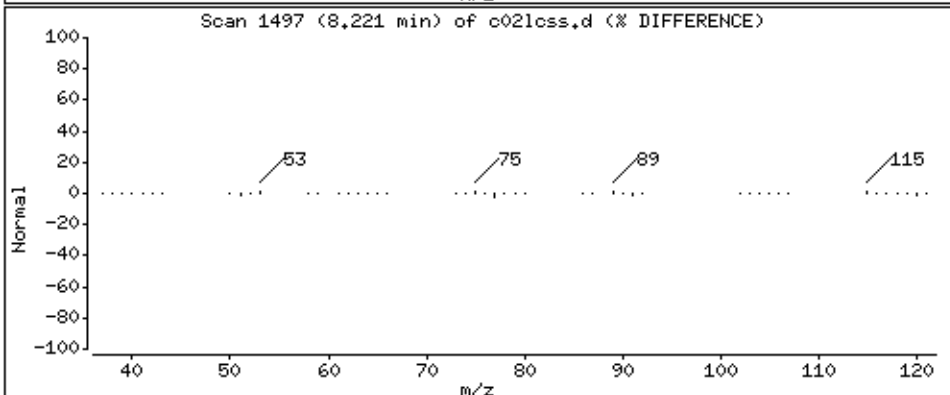
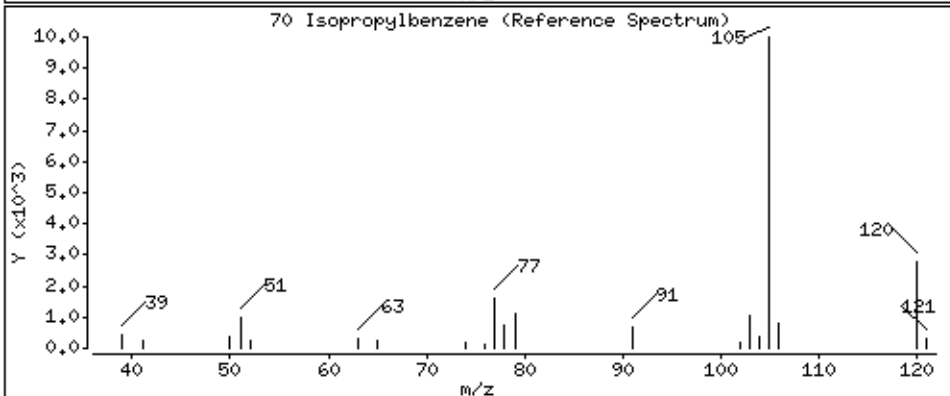
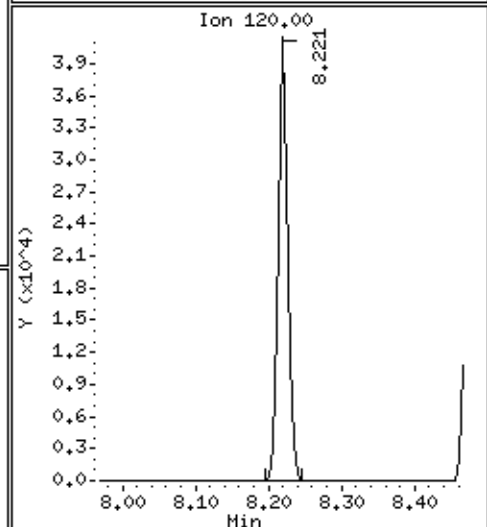
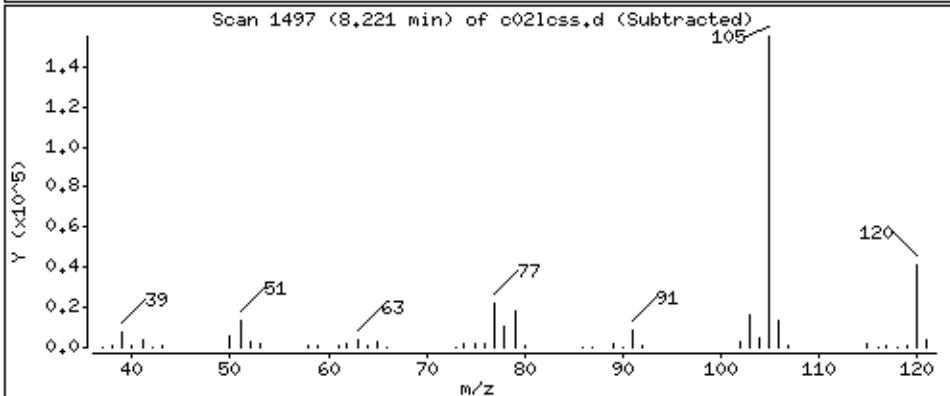
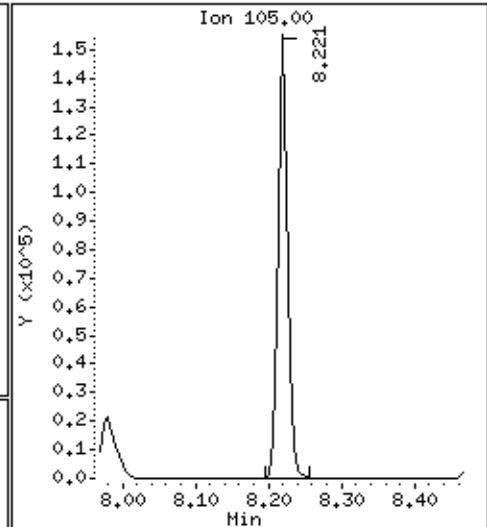
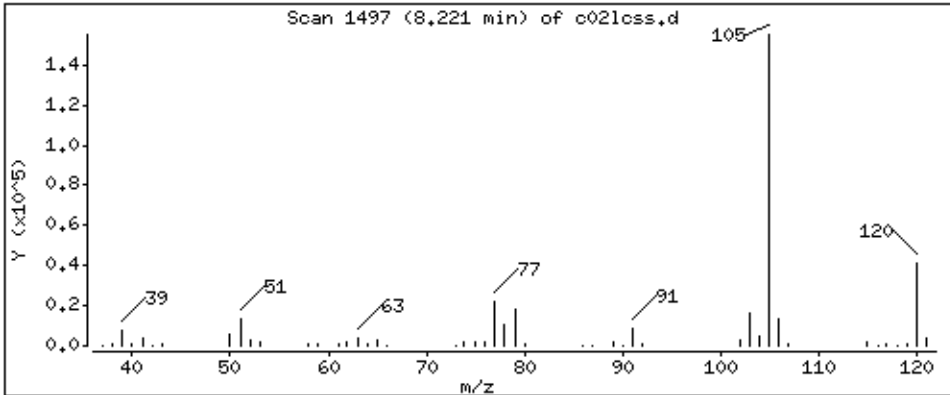
Column phase: DB-624

Column diameter: 0,18

70 Isopropylbenzene

Concentration: 43,8 ppb

Review Code:



Date : 02-JUL-2014 22:31

Client ID: MBLCS

Instrument: 50mv3a.i

Sample Info: 1122065,71089;5

Operator: jlz

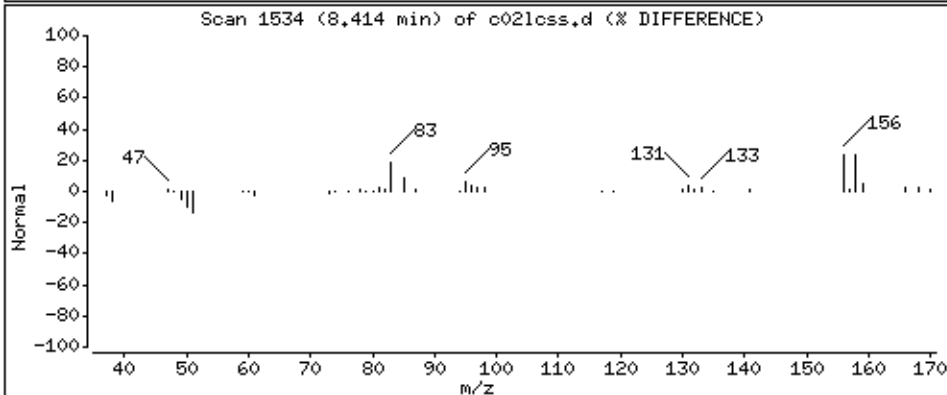
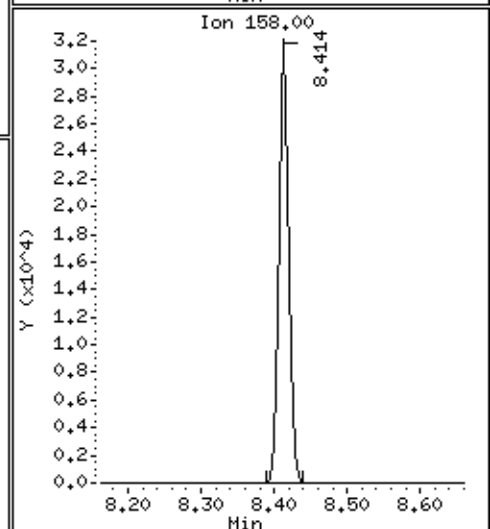
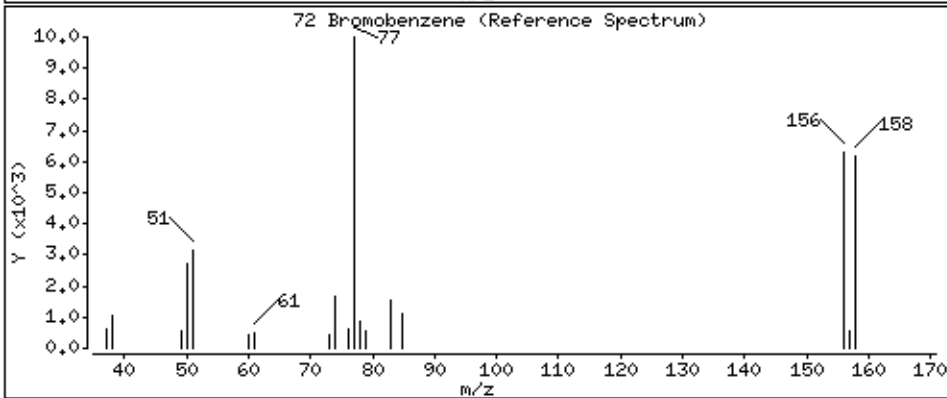
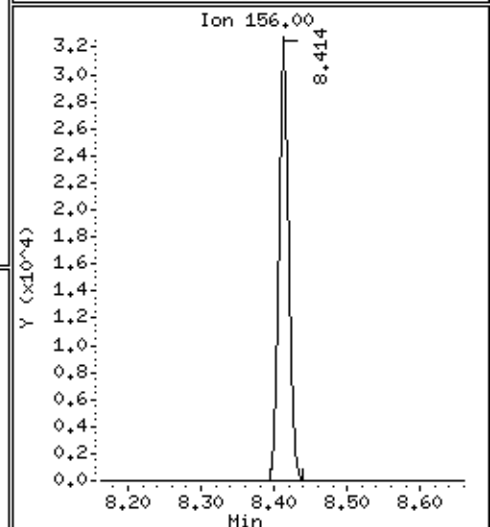
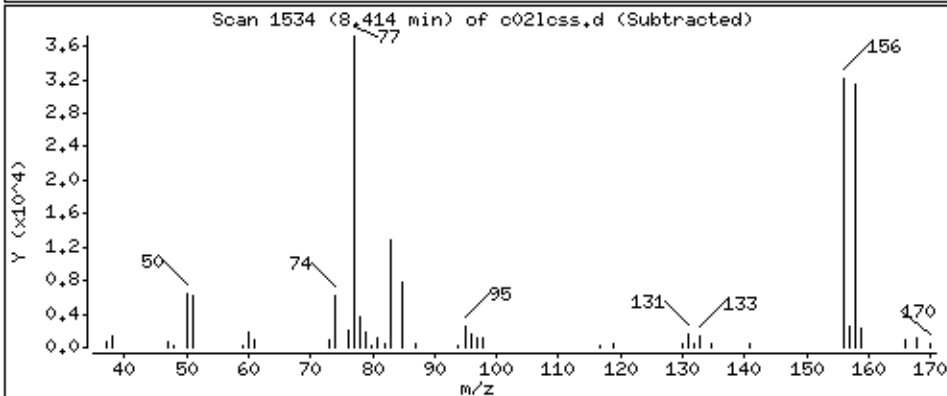
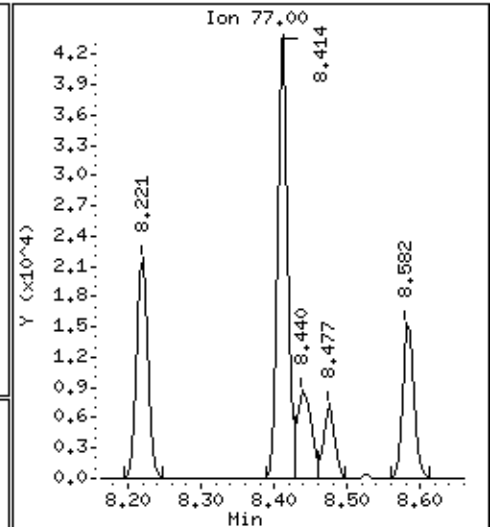
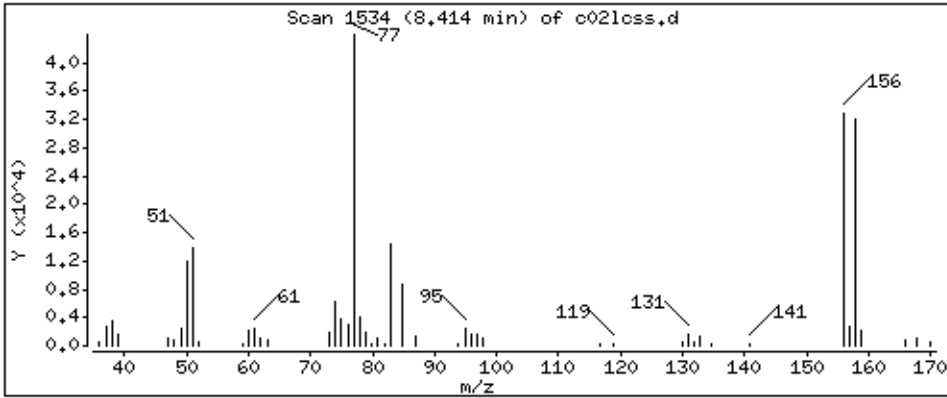
Column phase: DB-624

Column diameter: 0,18

72 Bromobenzene

Concentration: 39,5 ppb

Review Code:



Date : 02-JUL-2014 22:31

Client ID: MBLCS

Instrument: 50mv3a.i

Sample Info: 1122065,71089;5

Operator: jlz

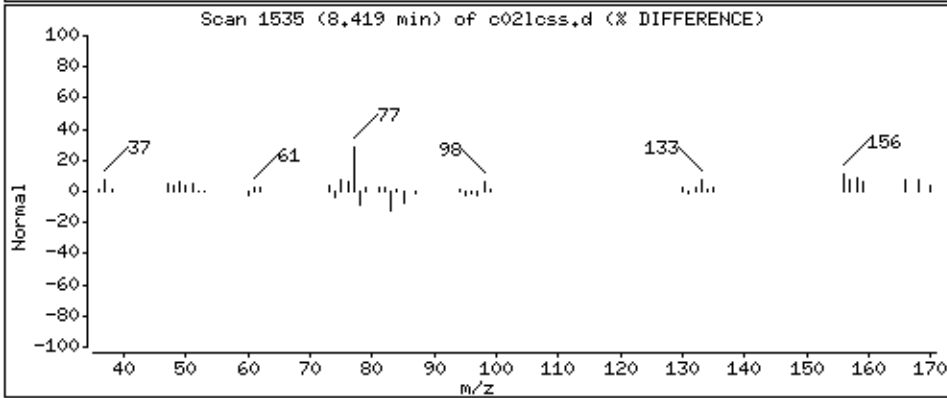
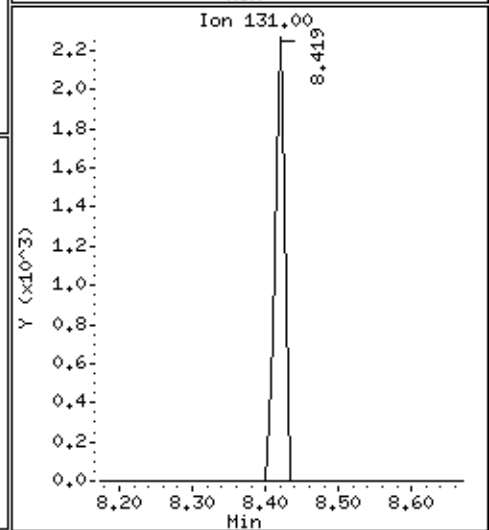
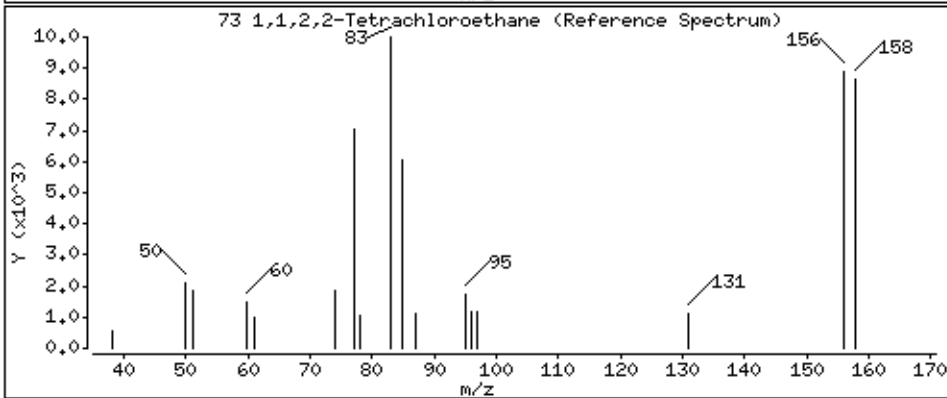
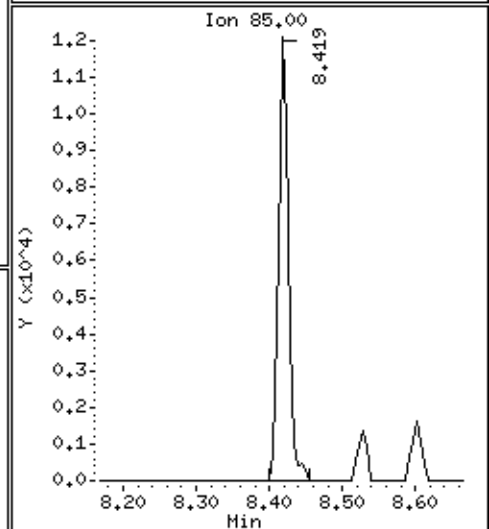
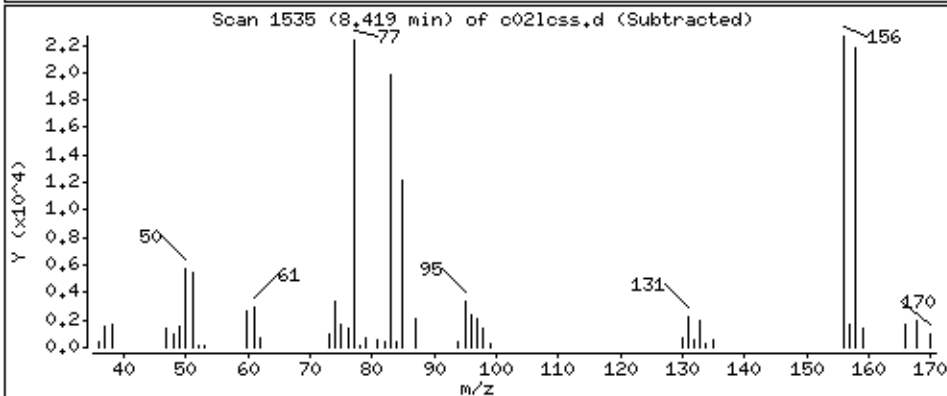
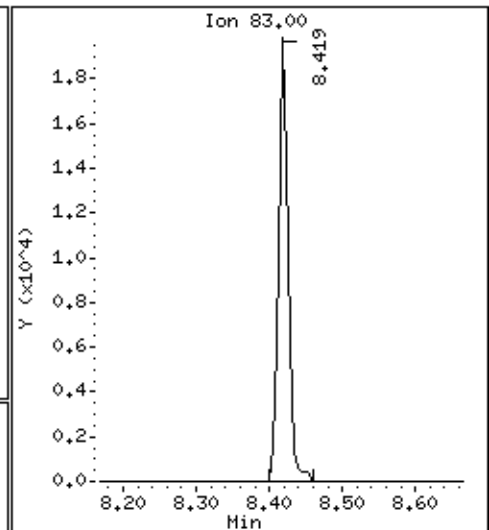
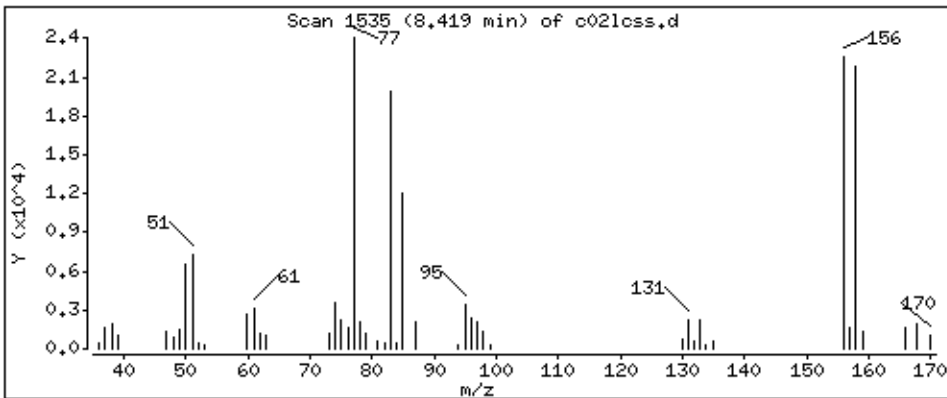
Column phase: DB-624

Column diameter: 0,18

73 1,1,2,2-Tetrachloroethane

Concentration: 40,3 ppb

Review Code:



Date : 02-JUL-2014 22:31

Client ID: MBLCS

Instrument: 50mv3a.i

Sample Info: 1122065,71089;5

Operator: jlz

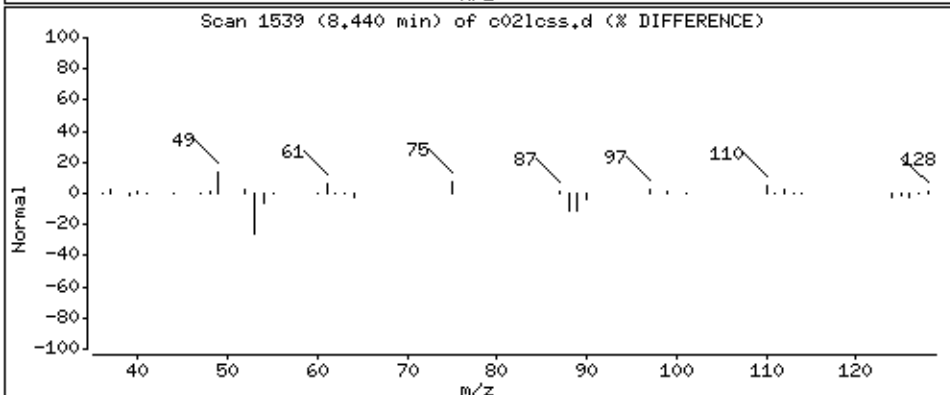
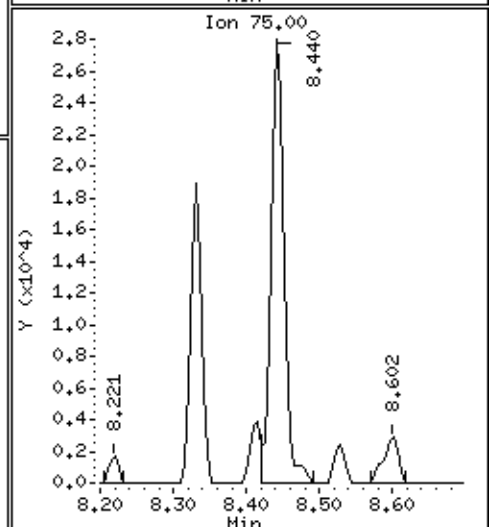
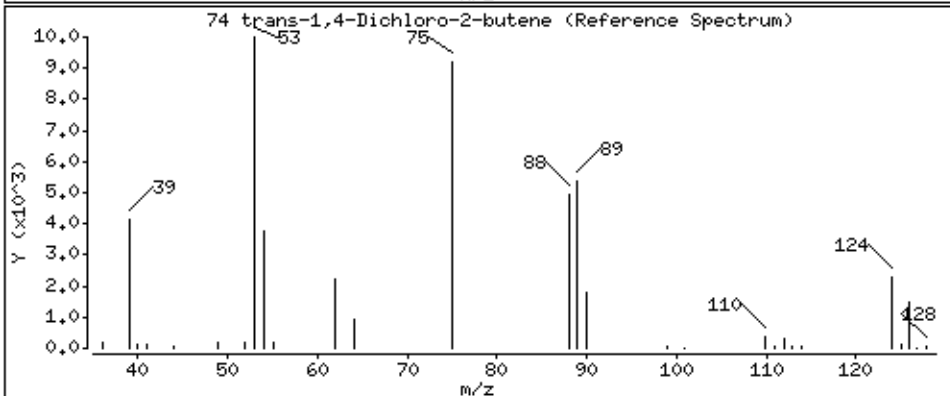
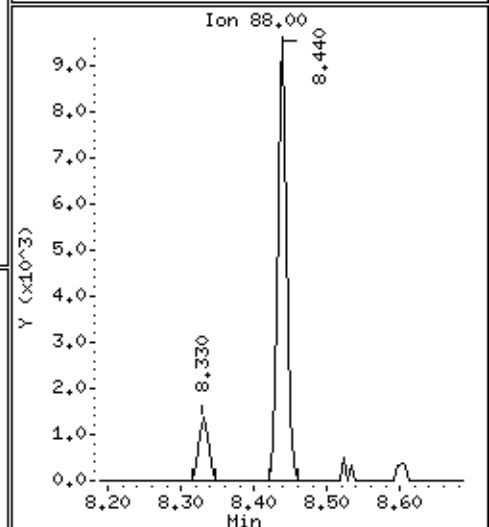
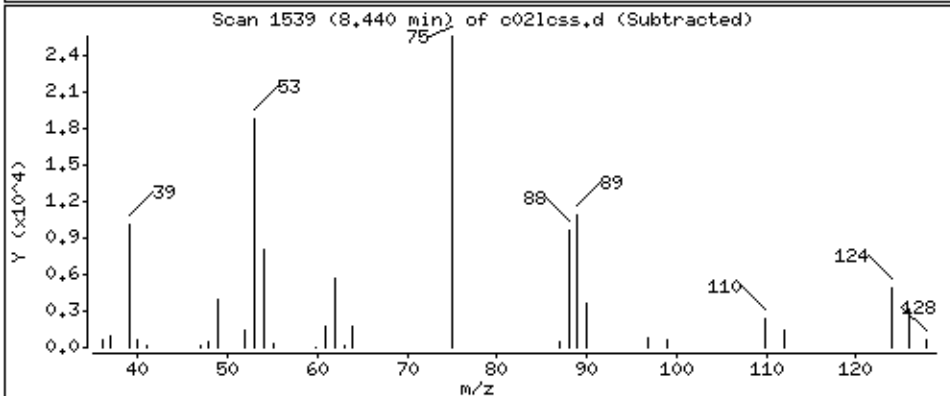
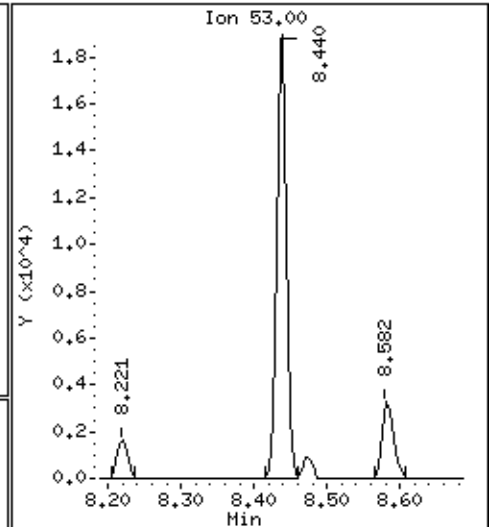
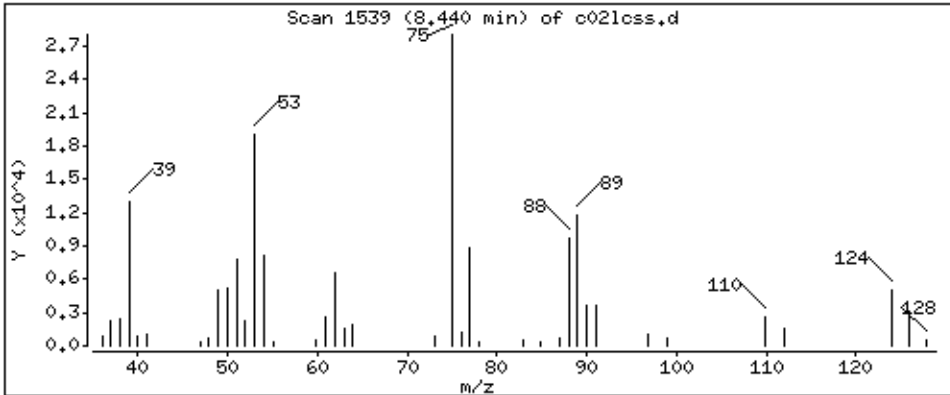
Column phase: DB-624

Column diameter: 0,18

74 trans-1,4-Dichloro-2-butene

Concentration: 152 ppb

Review Code:



Date : 02-JUL-2014 22:31

Client ID: MBLCS

Instrument: 50mv3a.i

Sample Info: 1122065,71089;5

Operator: jlz

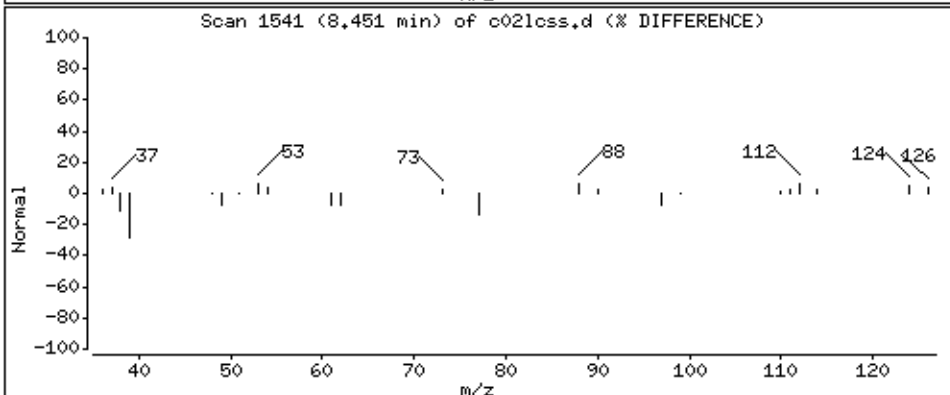
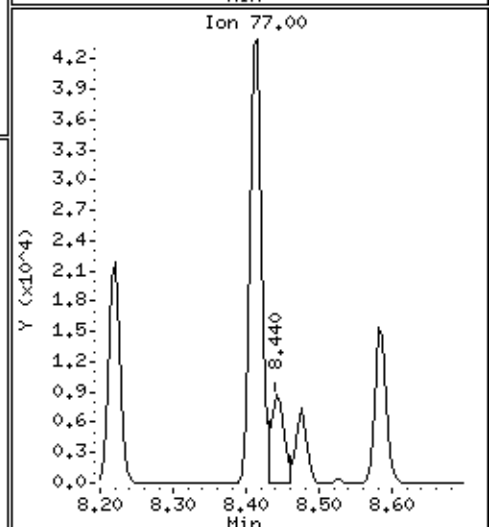
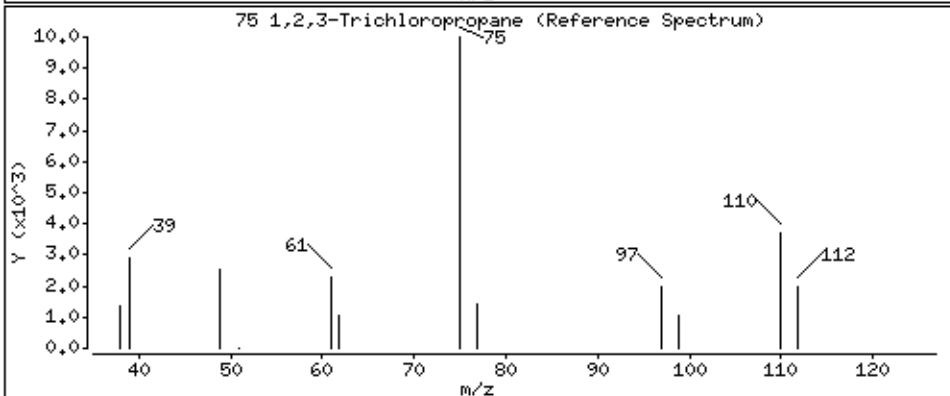
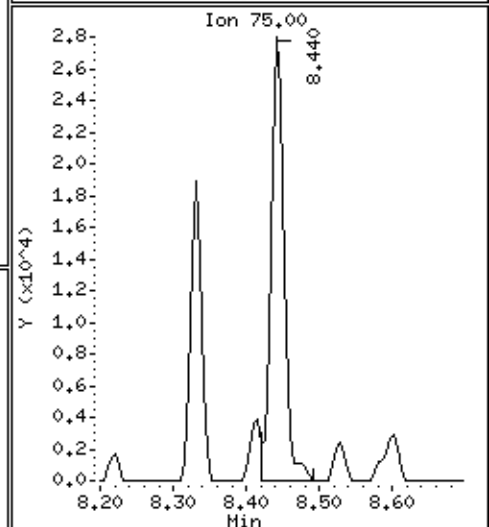
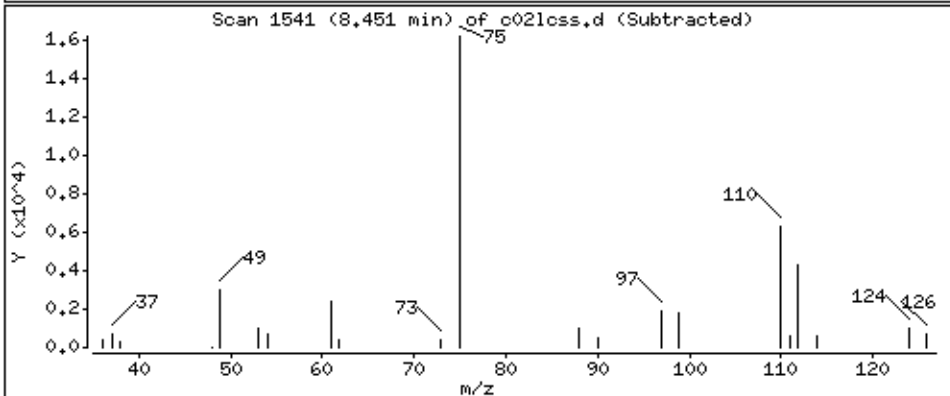
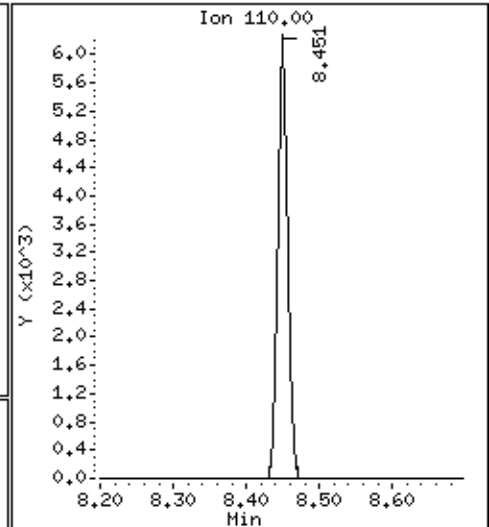
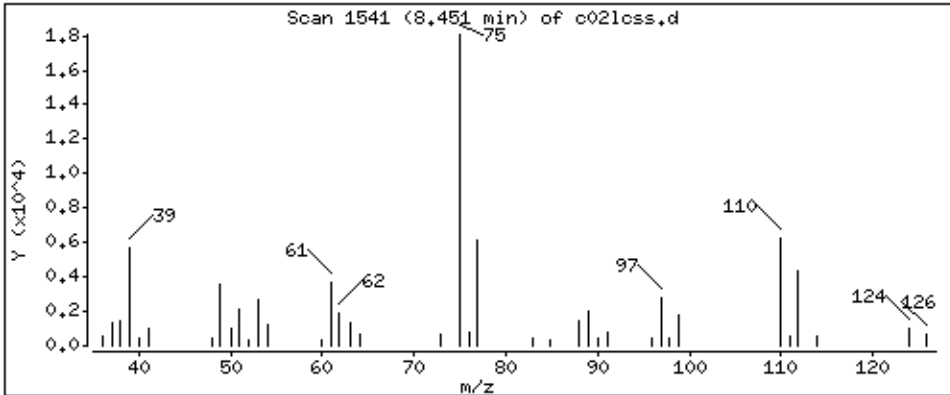
Column phase: DB-624

Column diameter: 0,18

75 1,2,3-Trichloropropane

Concentration: 39,2 ppb

Review Code:



Date : 02-JUL-2014 22:31

Client ID: MBLCS

Instrument: 50mv3a.i

Sample Info: 1122065,71089;5

Operator: jlz

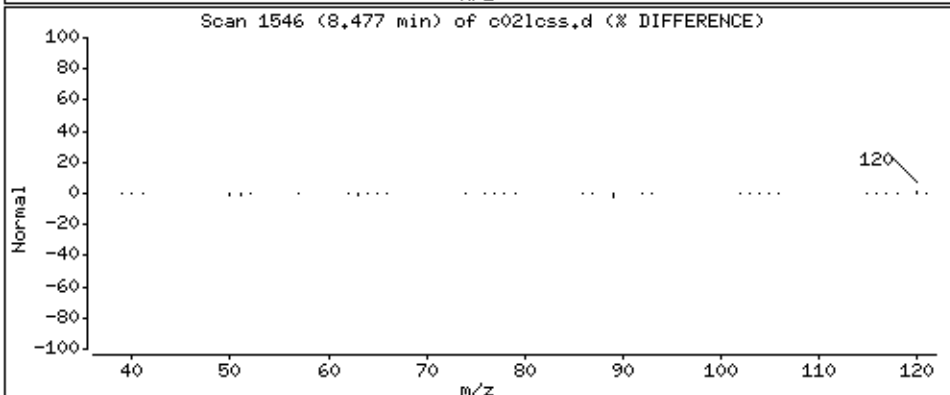
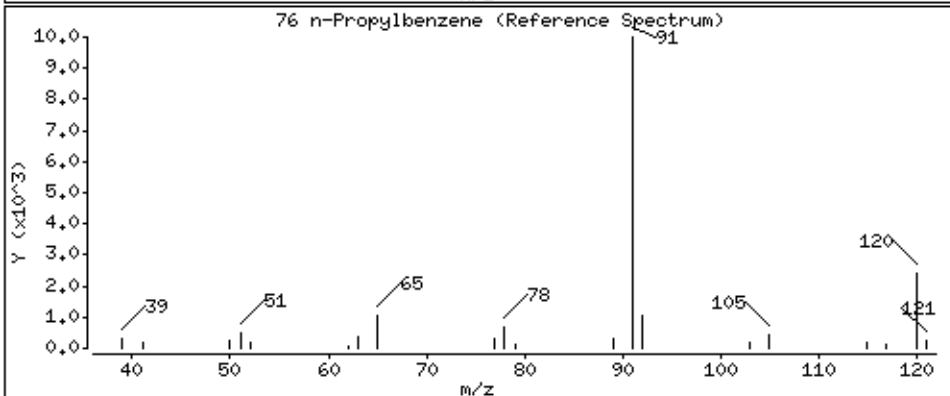
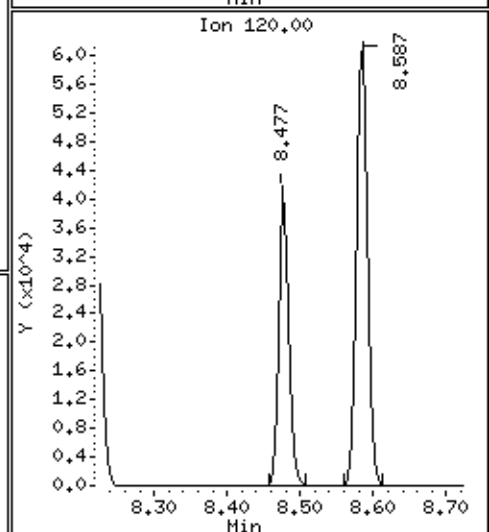
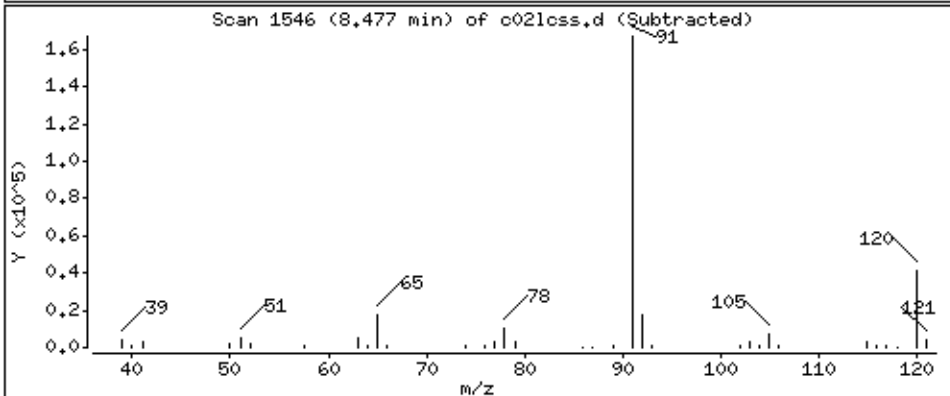
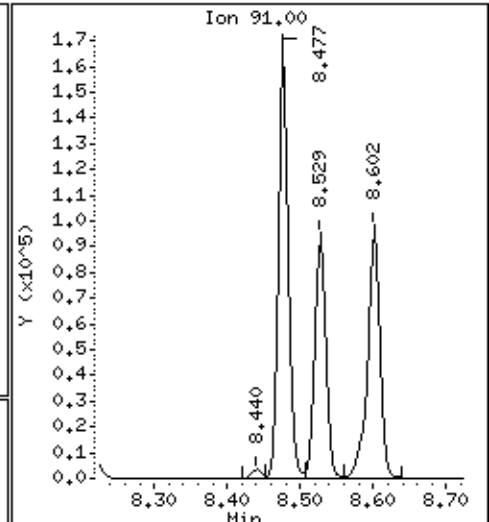
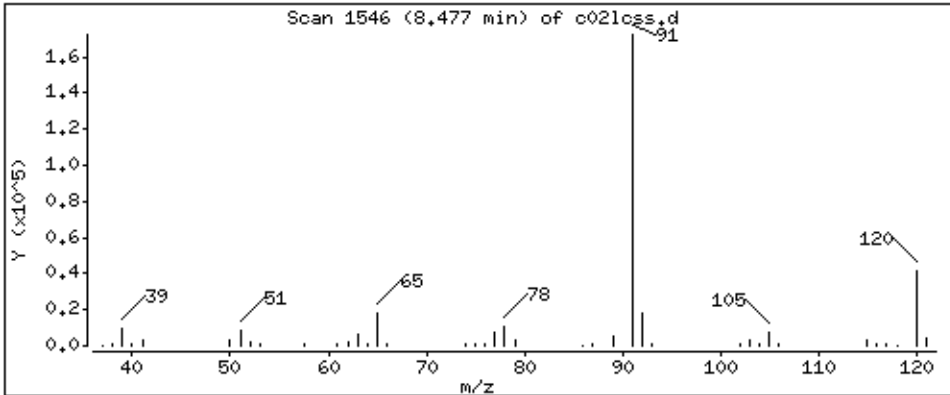
Column phase: DB-624

Column diameter: 0,18

76 n-Propylbenzene

Concentration: 39,9 ppb

Review Code:



Date : 02-JUL-2014 22:31

Client ID: MBLCS

Instrument: 50mv3a.i

Sample Info: 1122065,71089;5

Operator: jlz

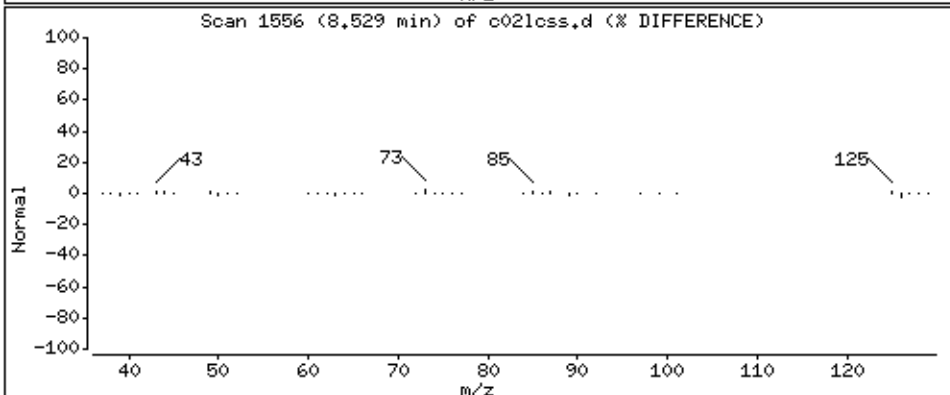
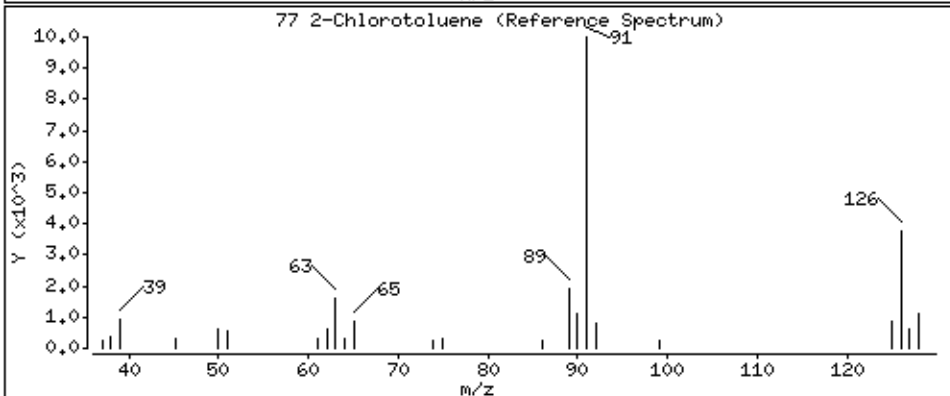
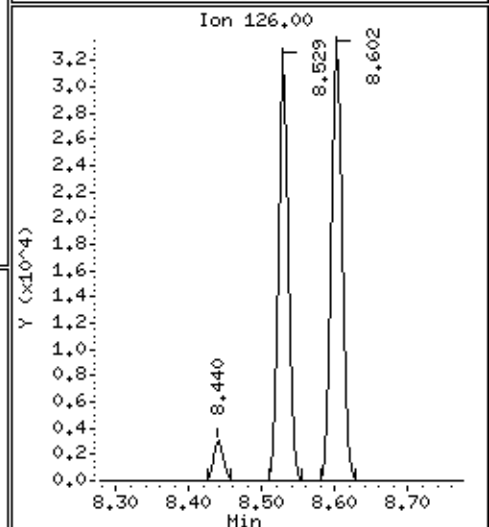
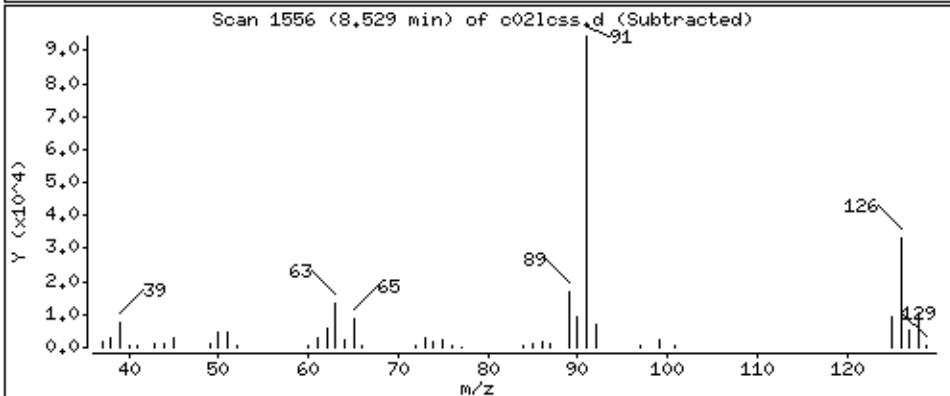
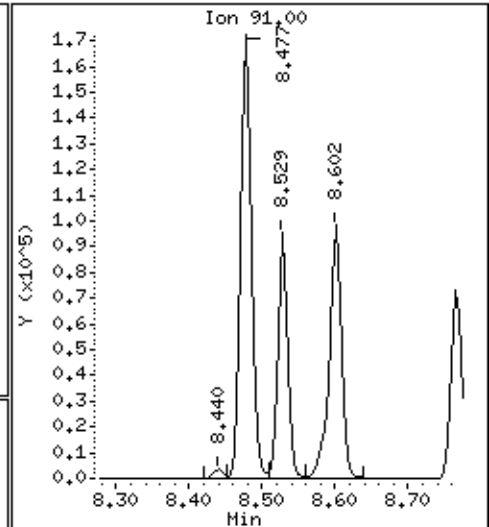
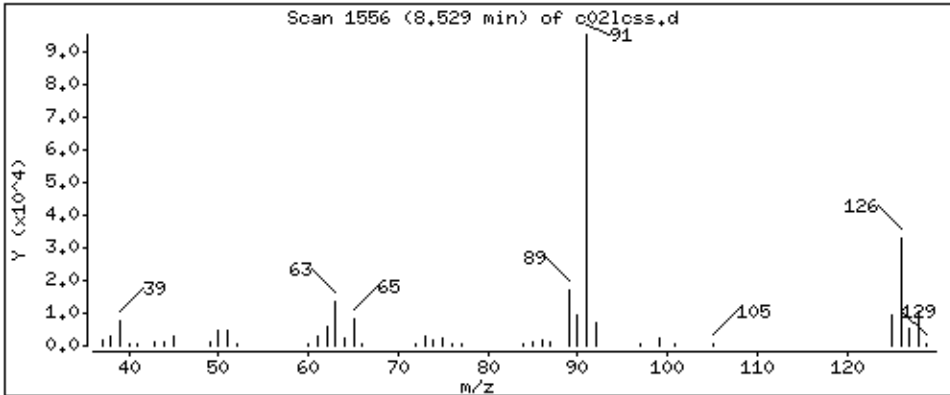
Column phase: DB-624

Column diameter: 0,18

77 2-Chlorotoluene

Concentration: 39,6 ppb

Review Code:



Date : 02-JUL-2014 22:31

Client ID: MBLCS

Instrument: 50mw3a.i

Sample Info: 1122065,71089;5

Operator: jlz

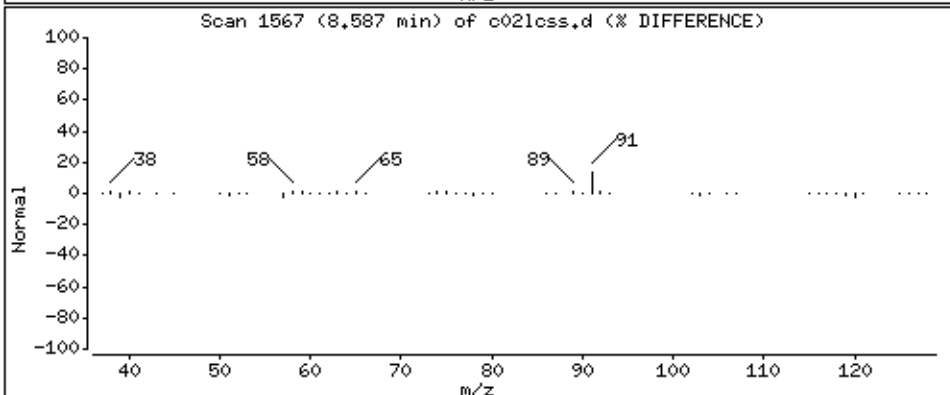
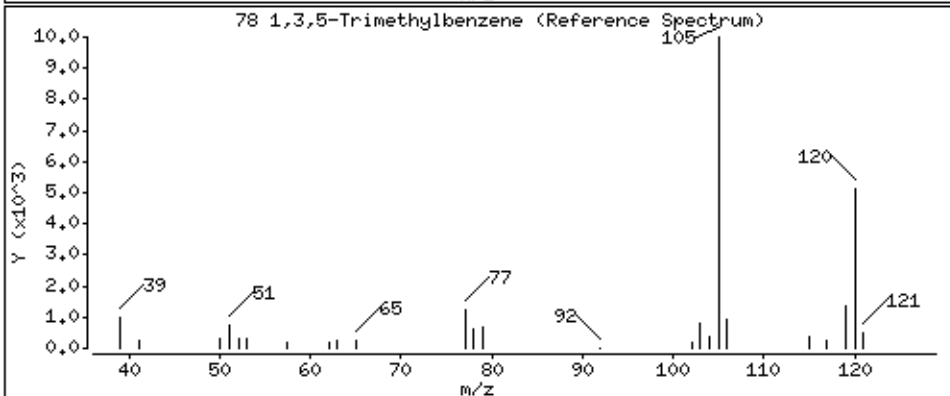
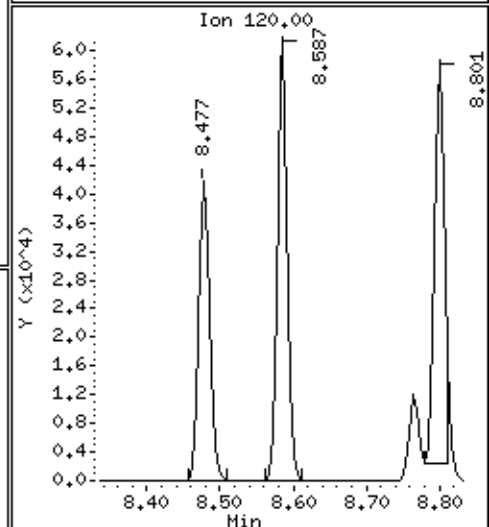
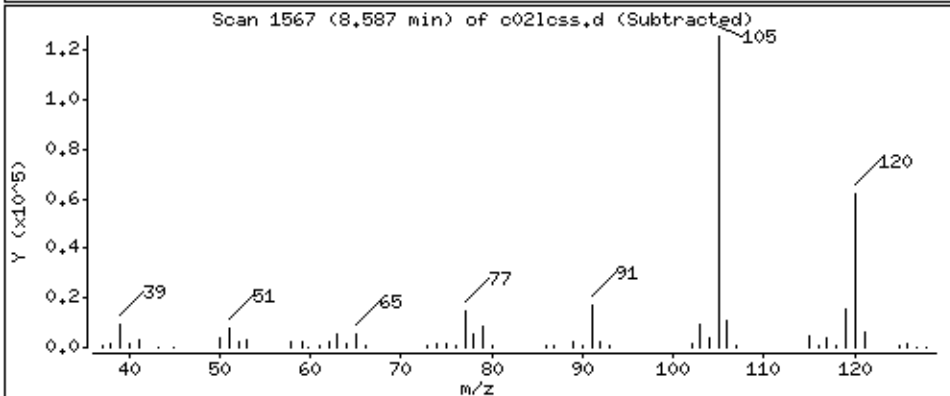
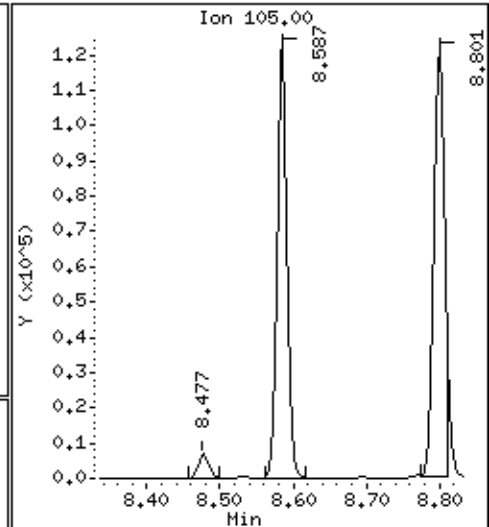
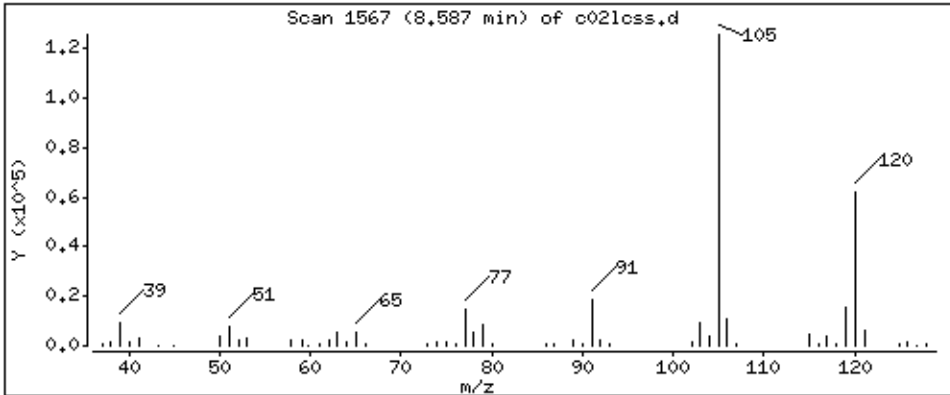
Column phase: DB-624

Column diameter: 0,18

78 1,3,5-Trimethylbenzene

Concentration: 39,8 ppb

Review Code:



Date : 02-JUL-2014 22:31

Client ID: MBLCS

Instrument: 50mv3a.i

Sample Info: 1122065,71089;5

Operator: jlz

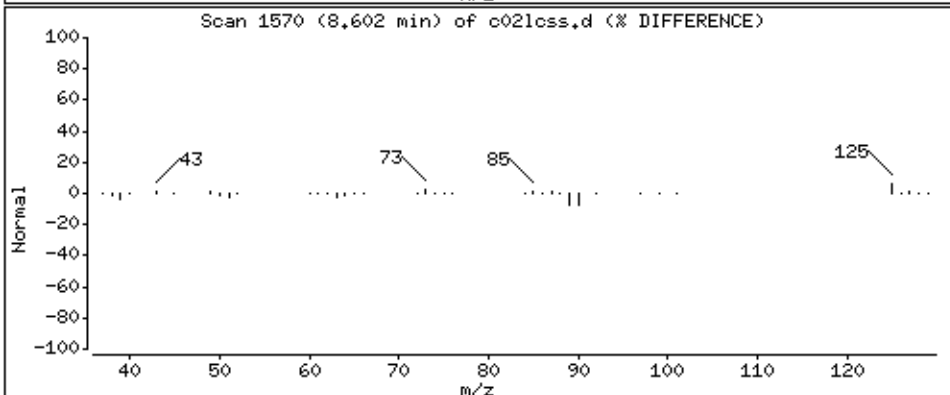
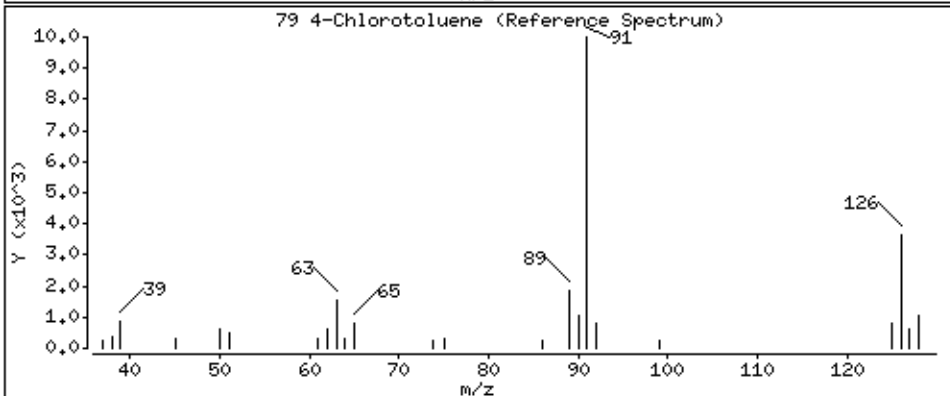
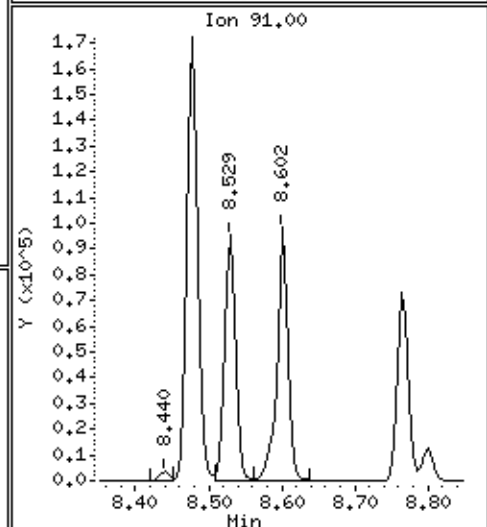
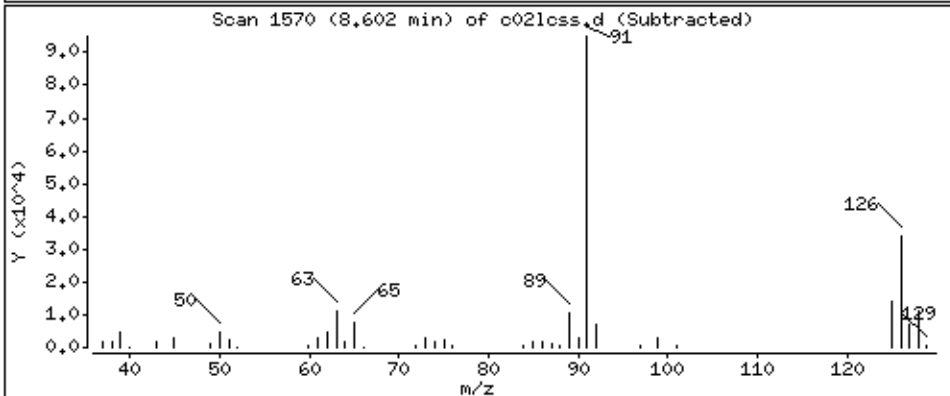
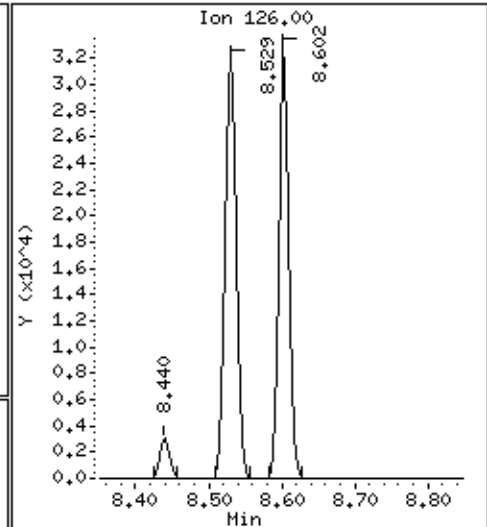
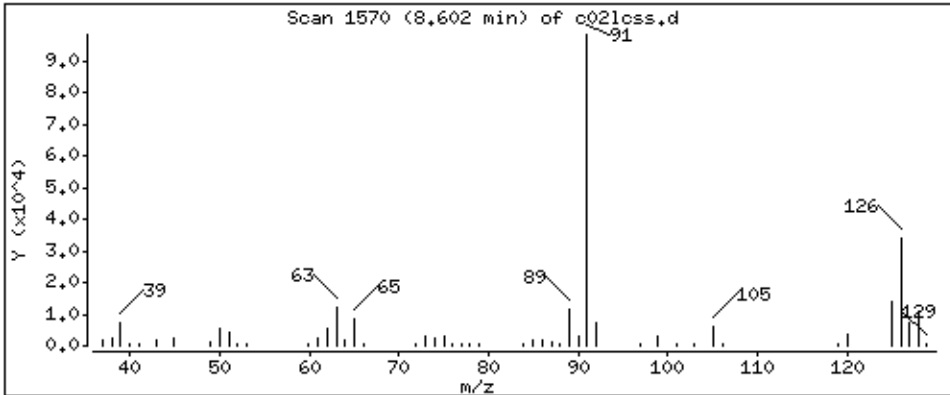
Column phase: DB-624

Column diameter: 0,18

79 4-Chlorotoluene

Concentration: 39,8 ppb

Review Code:



Date : 02-JUL-2014 22:31

Client ID: MBLCS

Instrument: 50mv3a.i

Sample Info: 1122065,71089;5

Operator: jlz

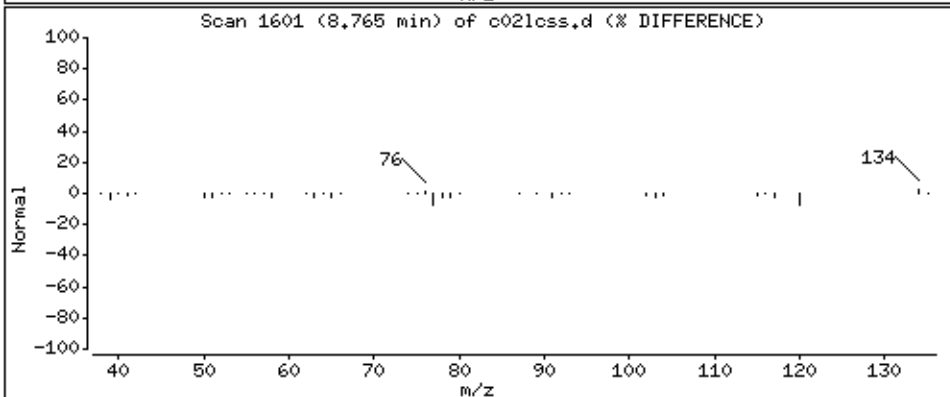
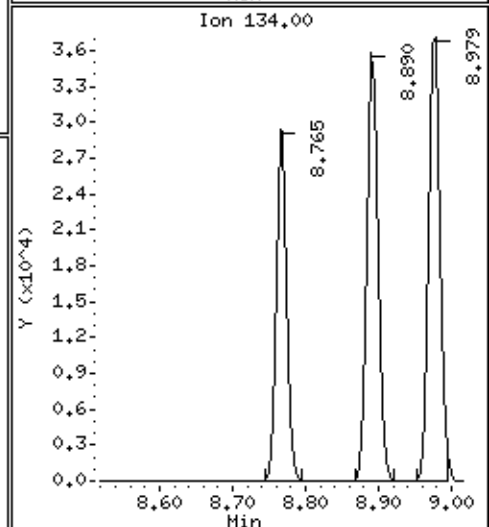
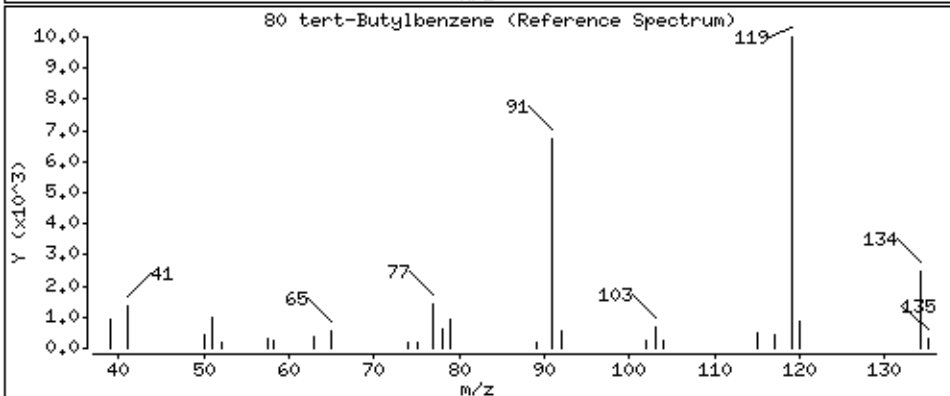
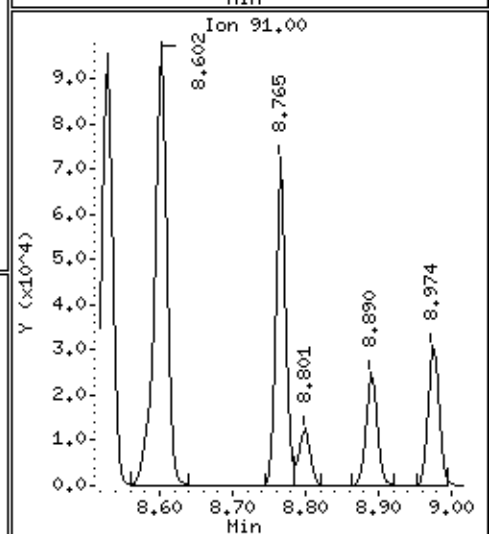
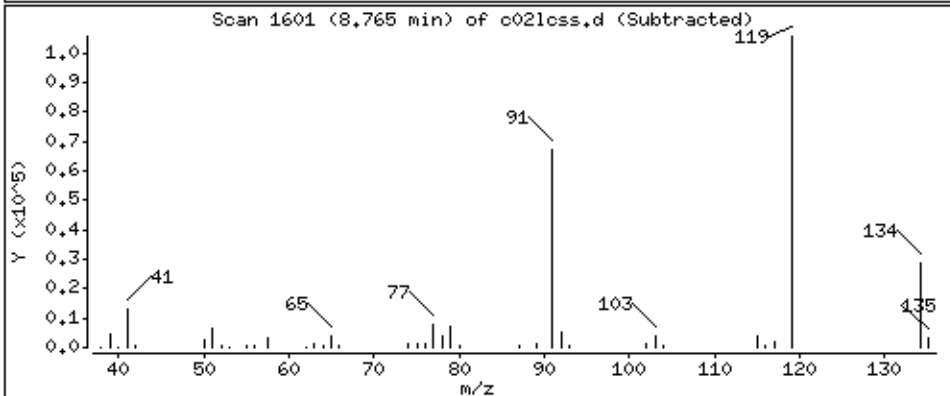
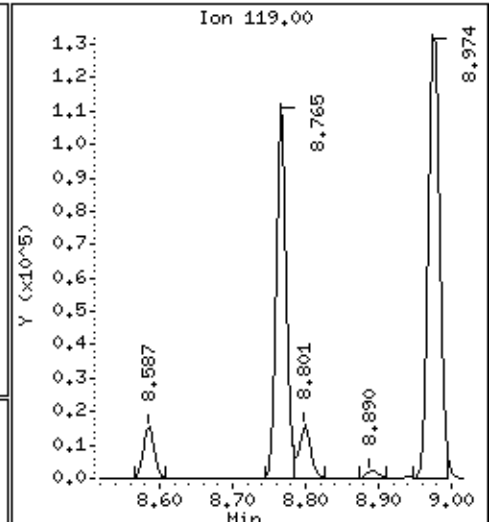
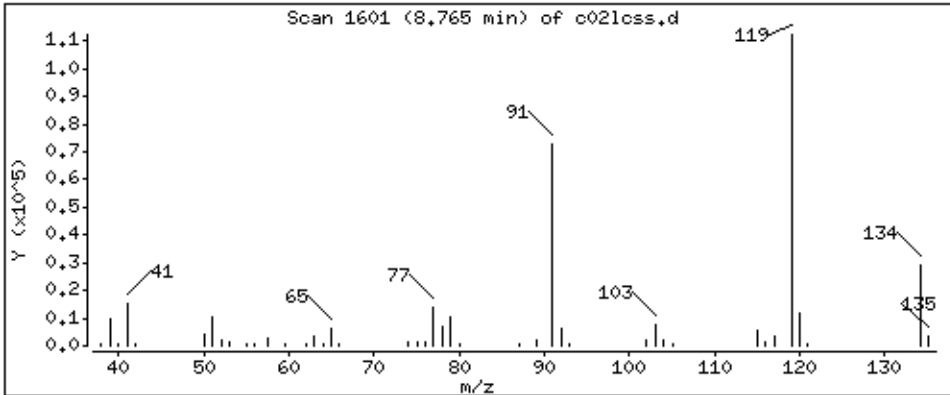
Column phase: DB-624

Column diameter: 0,18

80 tert-Butylbenzene

Concentration: 34,2 ppb

Review Code:



Date : 02-JUL-2014 22:31

Client ID: MBLCS

Instrument: 50mv3a.i

Sample Info: 1122065,71089;5

Operator: jlz

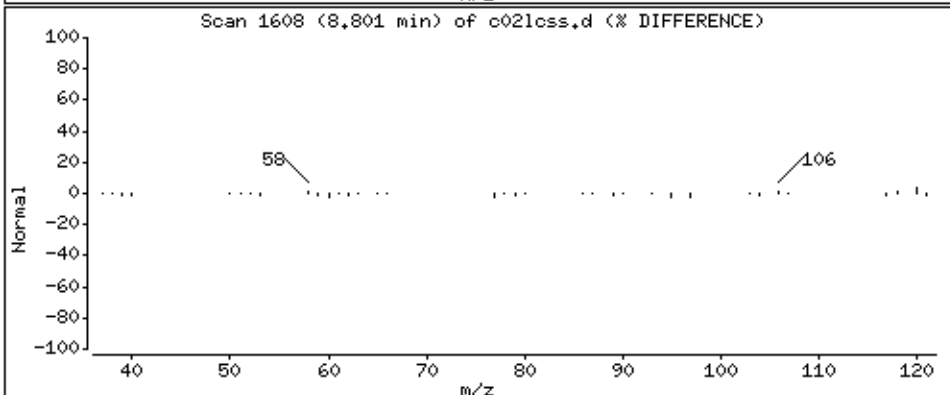
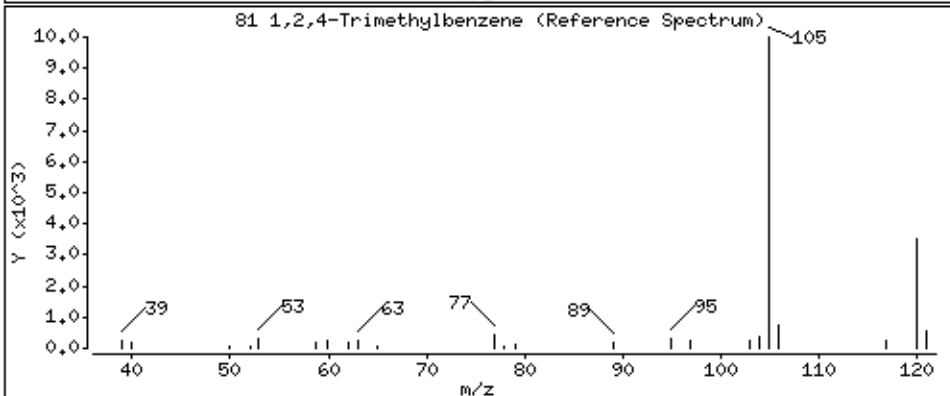
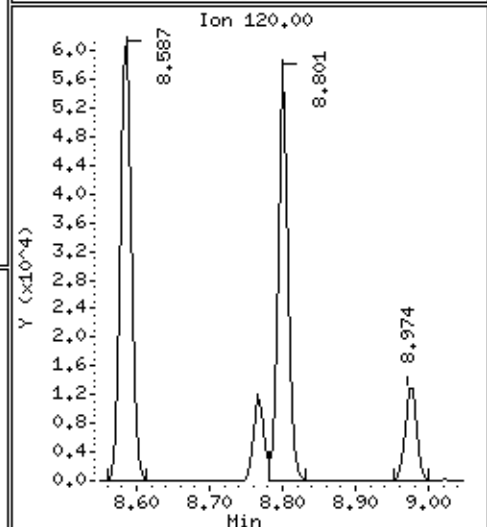
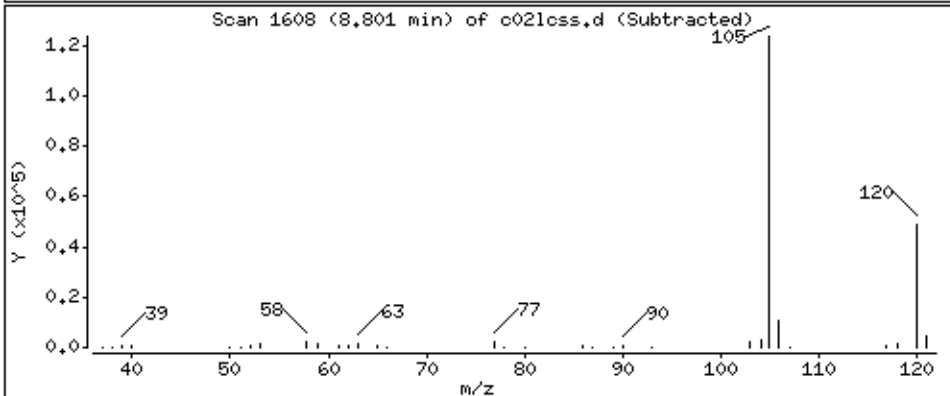
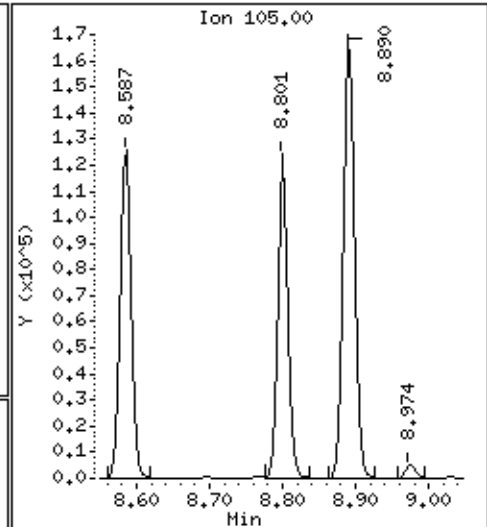
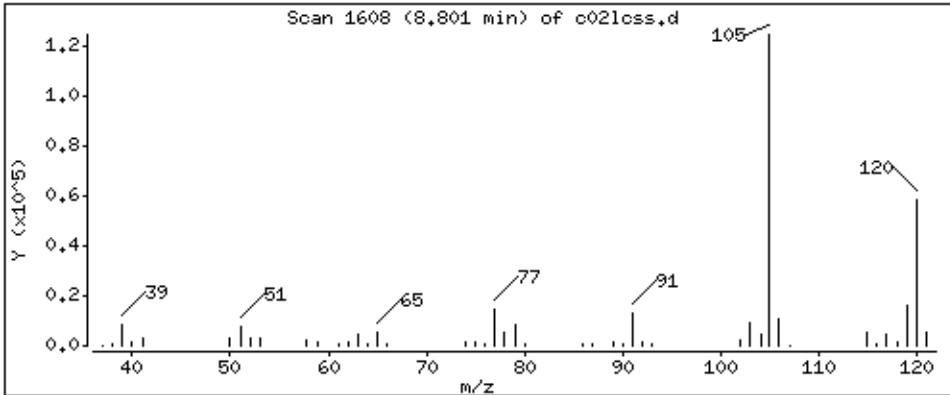
Column phase: DB-624

Column diameter: 0,18

81 1,2,4-Trimethylbenzene

Concentration: 40,2 ppb

Review Code:



Date : 02-JUL-2014 22:31

Client ID: MBLCS

Instrument: 50mw3a.i

Sample Info: 1122065,71089;5

Operator: jlz

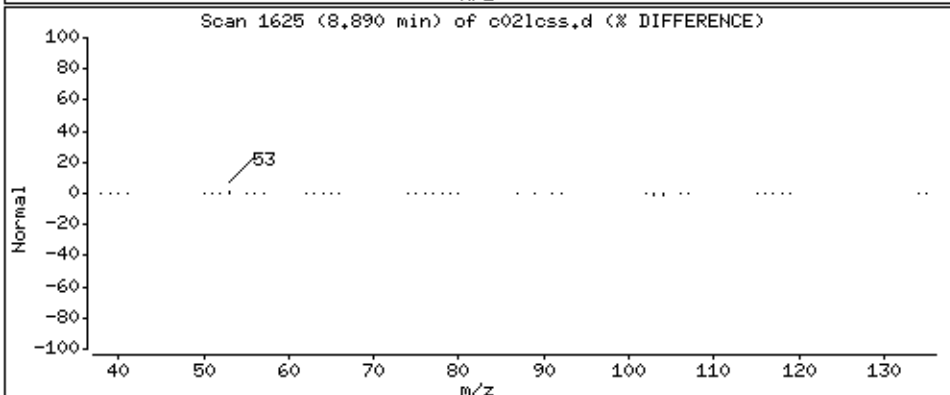
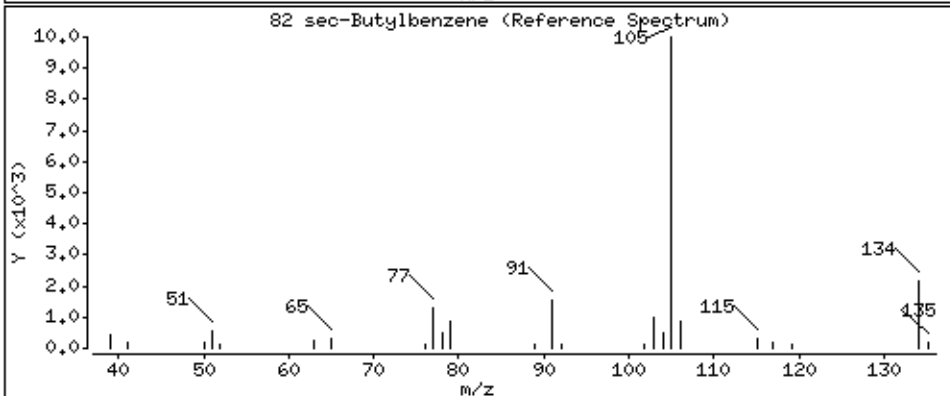
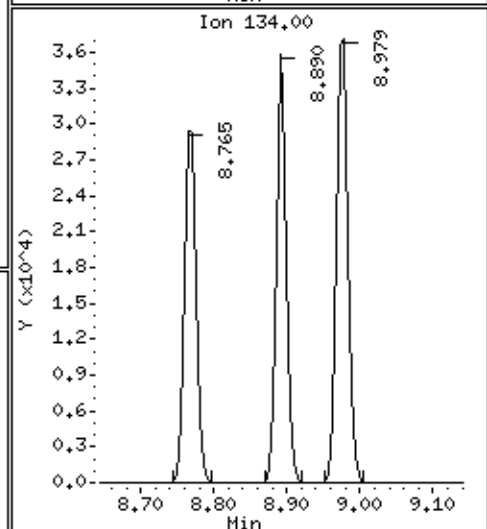
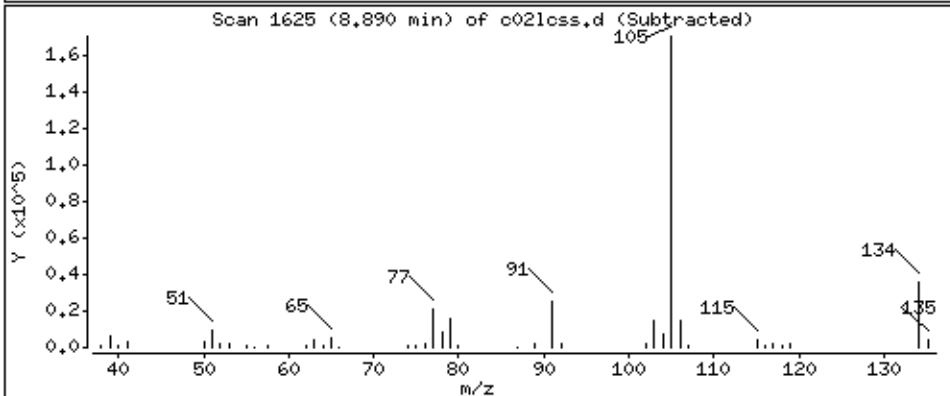
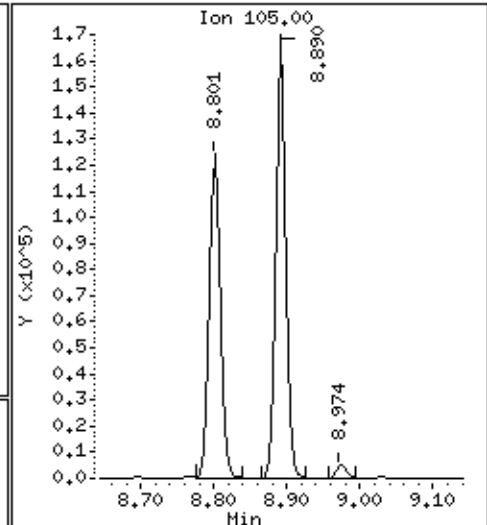
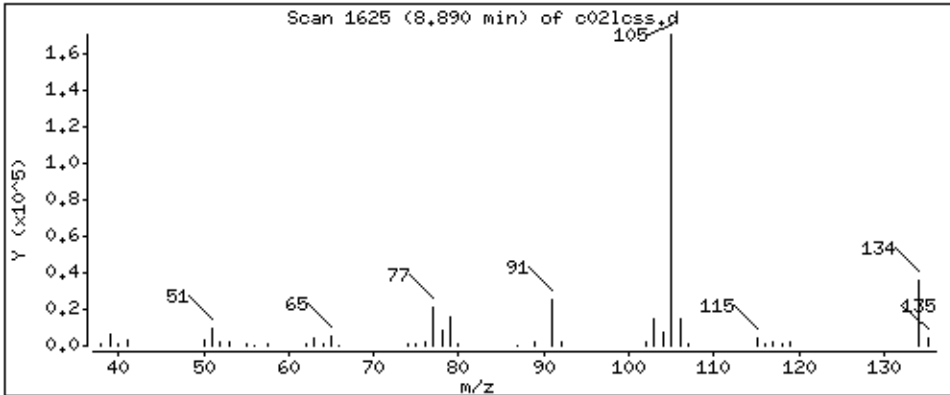
Column phase: DB-624

Column diameter: 0,18

82 sec-Butylbenzene

Concentration: 40,6 ppb

Review Code:



Date : 02-JUL-2014 22:31

Client ID: MBLCS

Instrument: 50mv3a.i

Sample Info: 1122065,71089;5

Operator: jlz

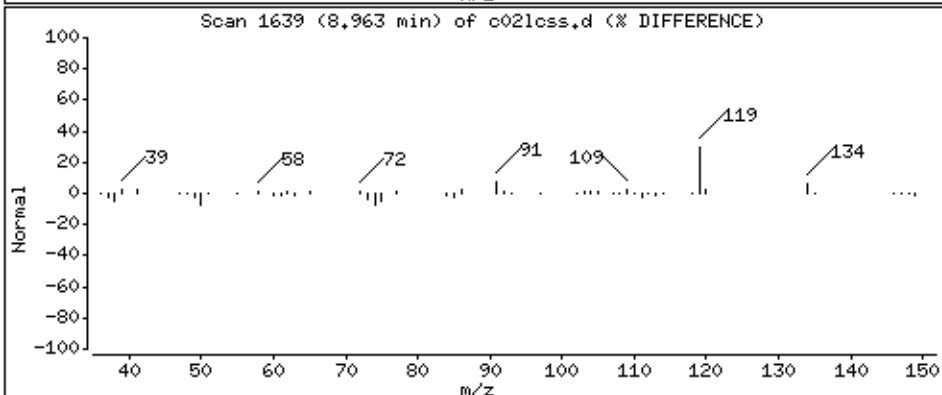
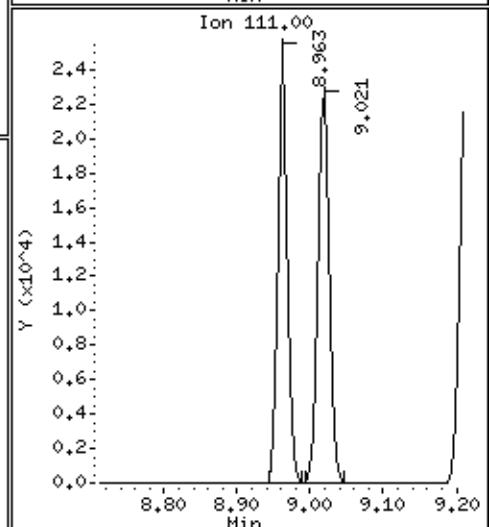
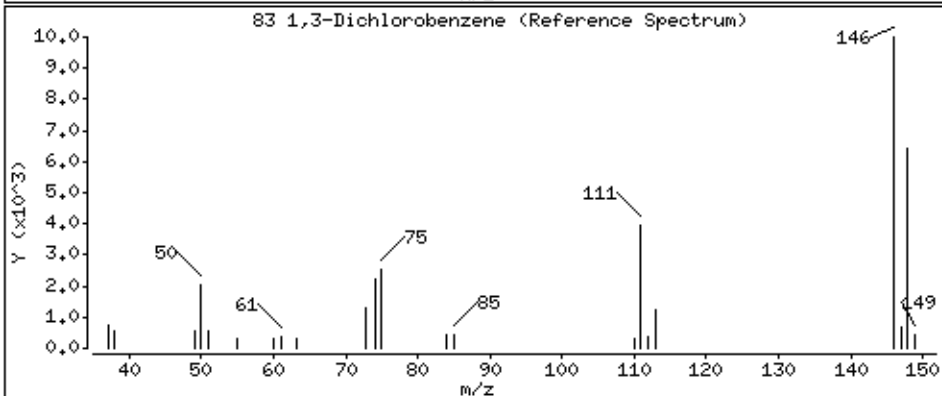
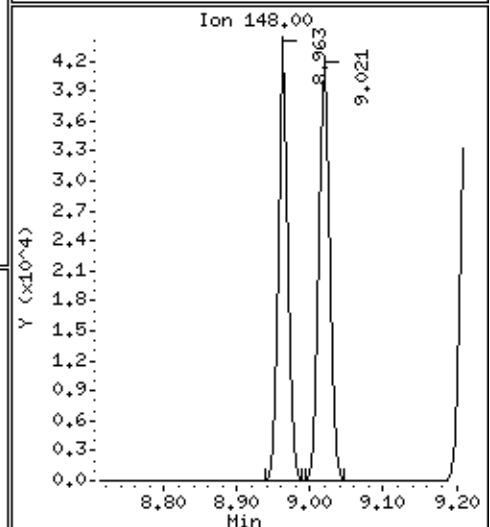
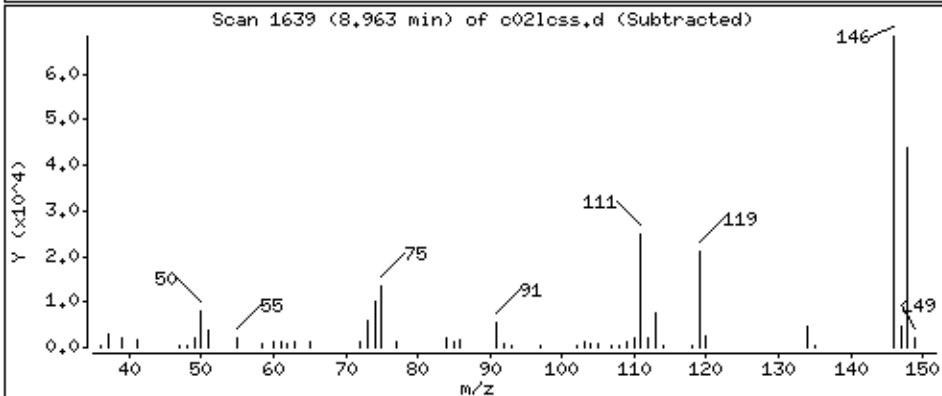
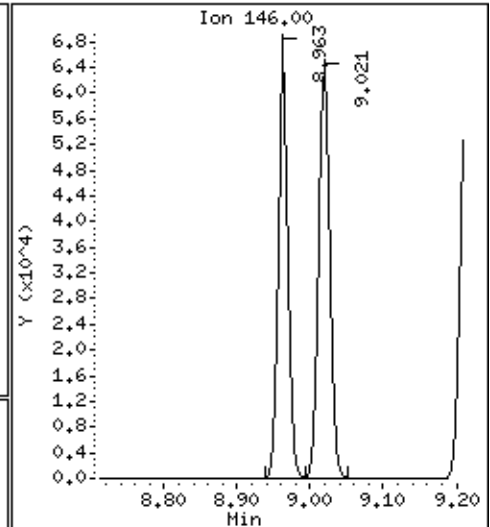
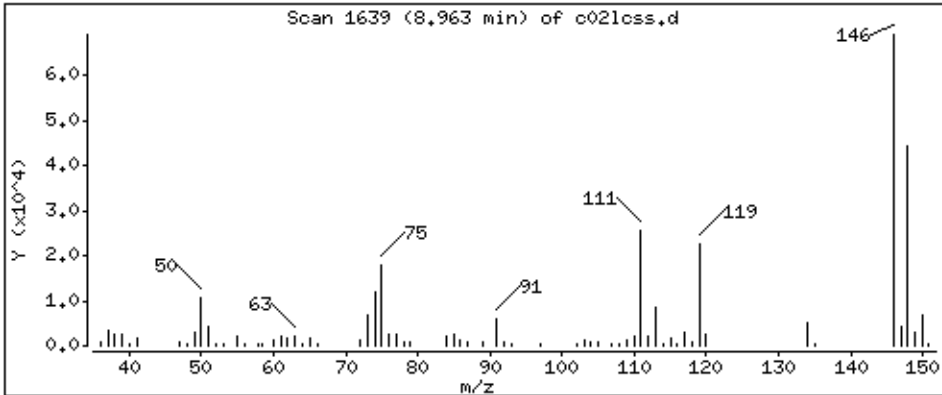
Column phase: DB-624

Column diameter: 0,18

83 1,3-Dichlorobenzene

Concentration: 38,2 ppb

Review Code:



Date : 02-JUL-2014 22:31

Client ID: MBLCS

Instrument: 50mv3a.i

Sample Info: 1122065,71089;5

Operator: jlz

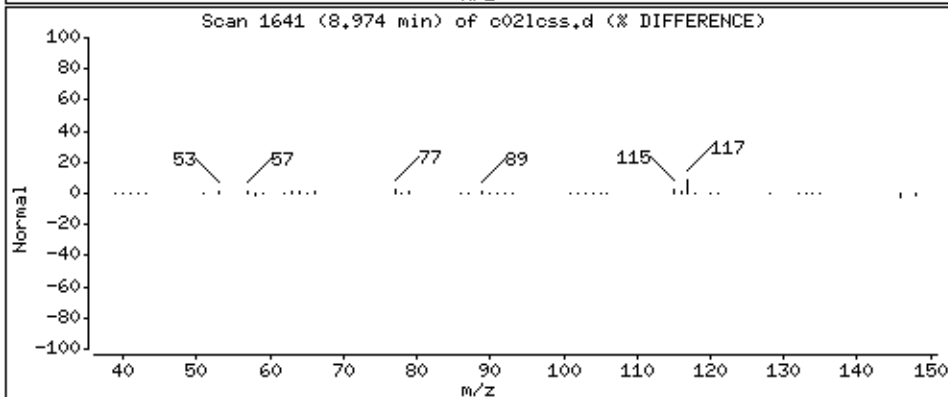
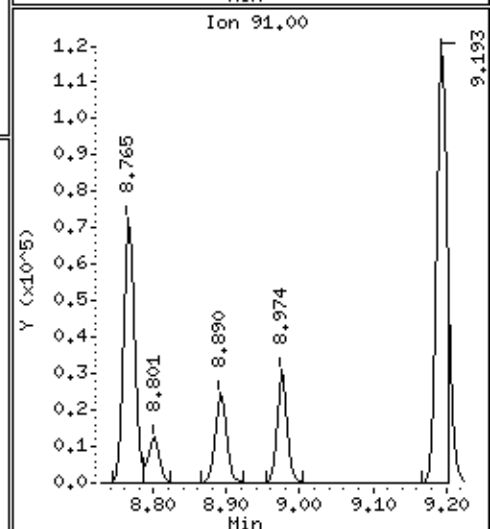
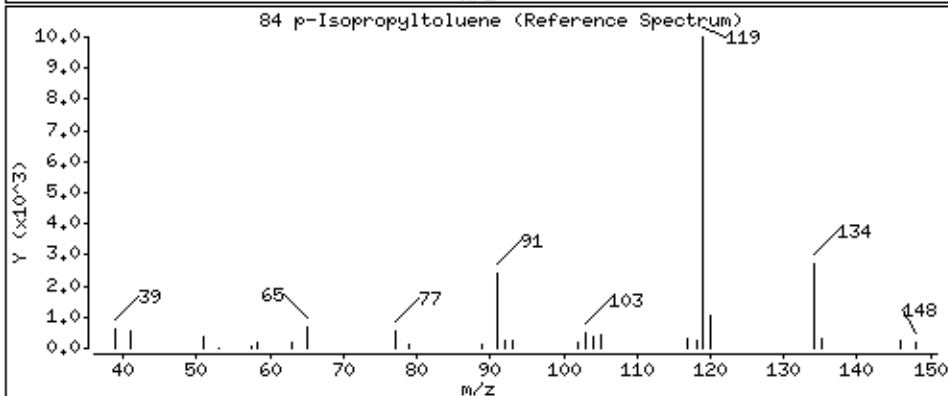
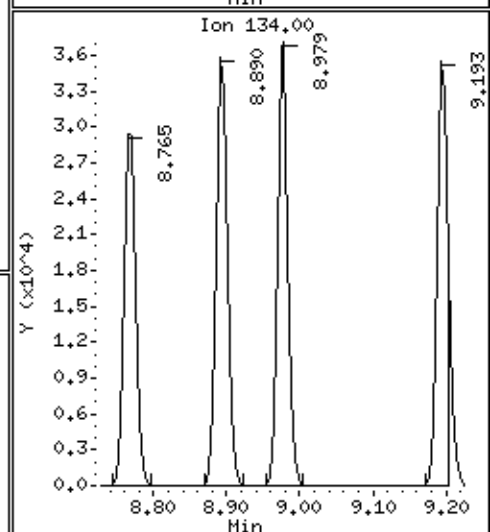
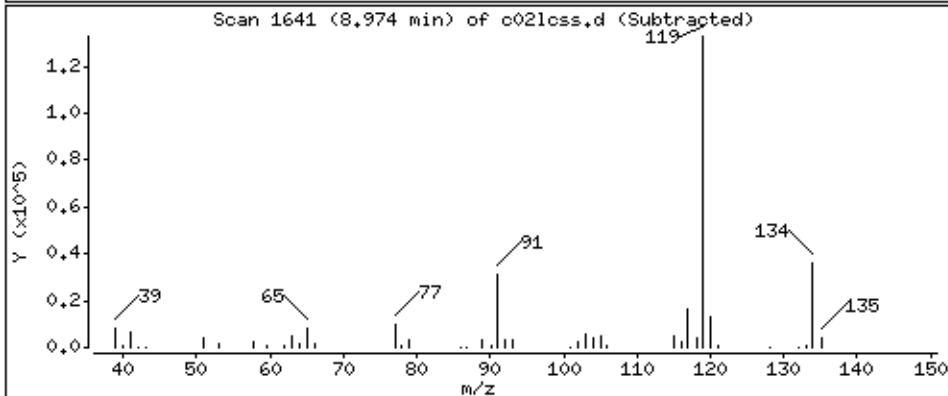
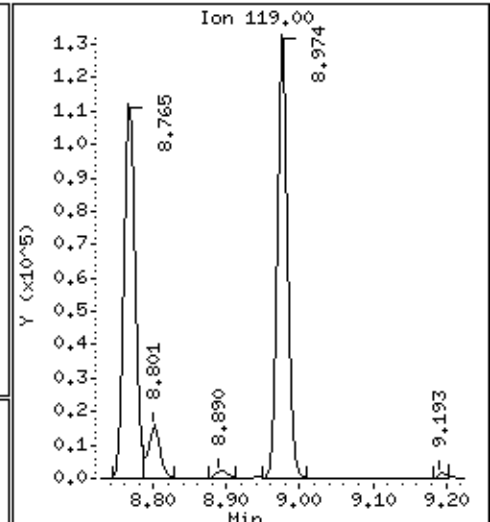
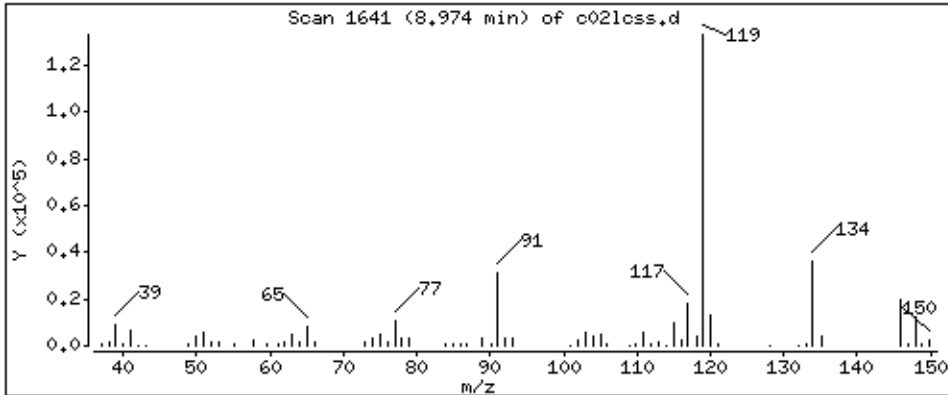
Column phase: DB-624

Column diameter: 0,18

84 p-Isopropyltoluene

Concentration: 38,6 ppb

Review Code:



Date : 02-JUL-2014 22:31

Client ID: MBLCS

Instrument: 50mv3a.i

Sample Info: 1122065,71089;5

Operator: jlz

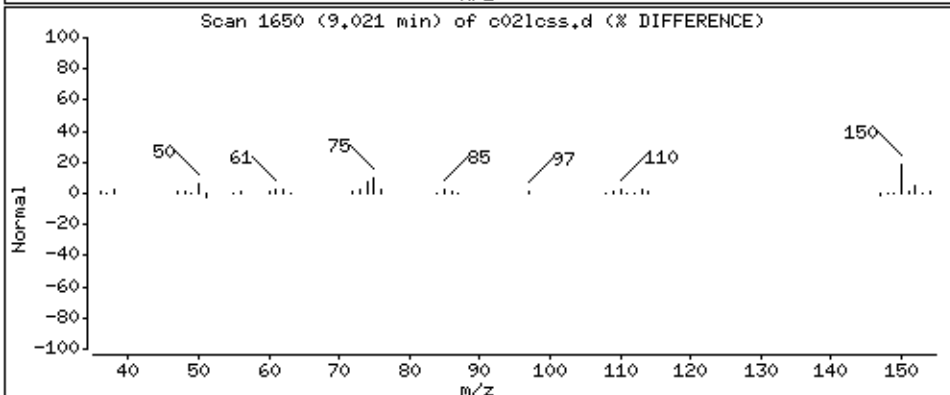
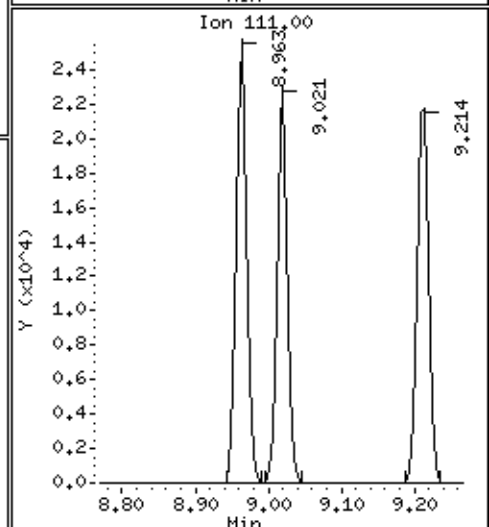
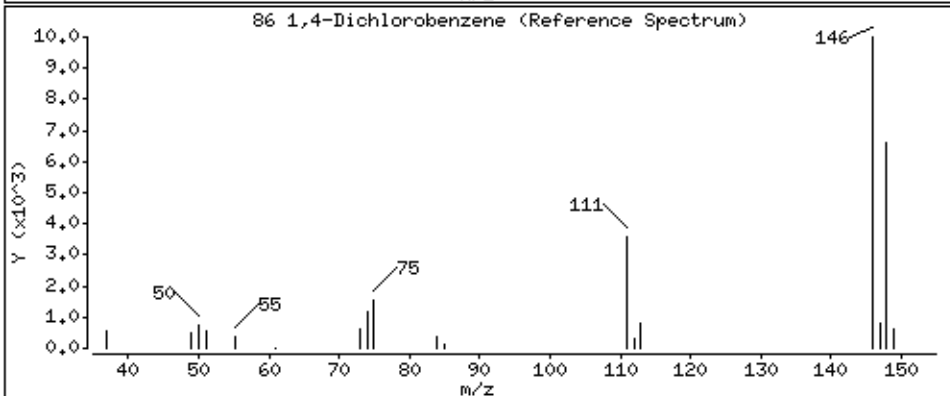
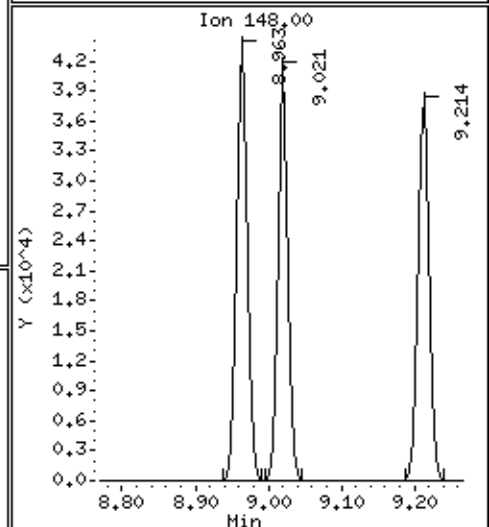
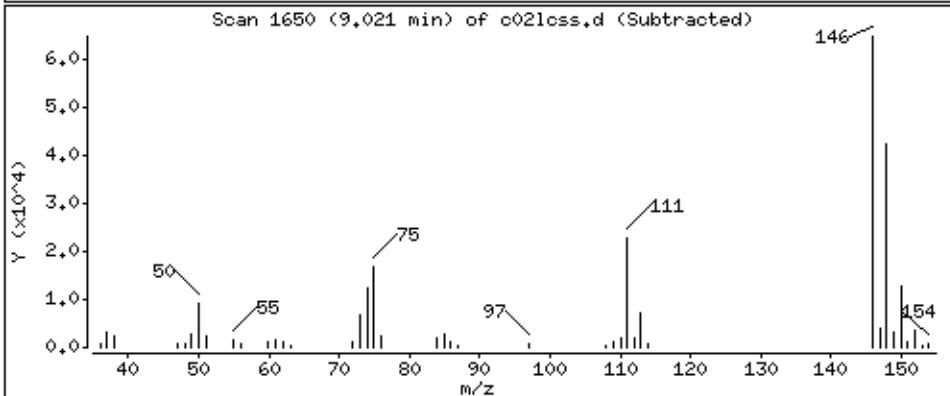
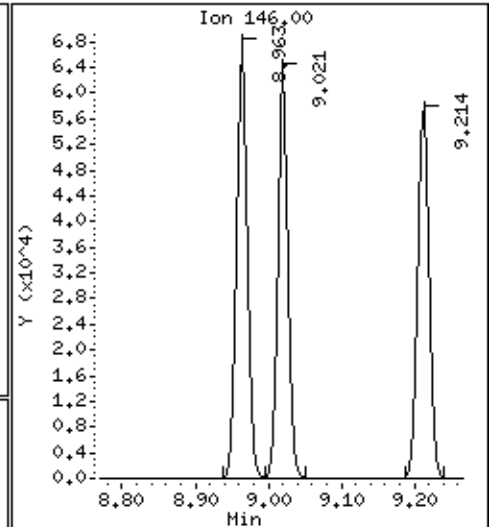
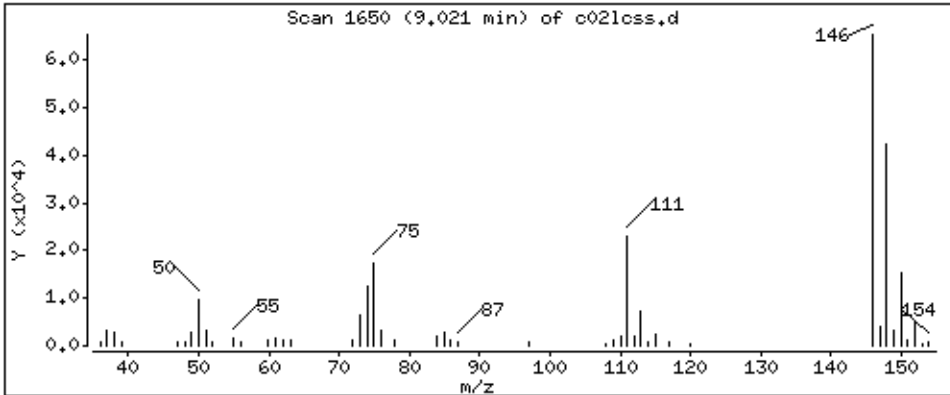
Column phase: DB-624

Column diameter: 0,18

86 1,4-Dichlorobenzene

Concentration: 38,5 ppb

Review Code:



Date : 02-JUL-2014 22:31

Client ID: MBLCS

Instrument: 50mw3a.i

Sample Info: 1122065,71089;5

Operator: jlz

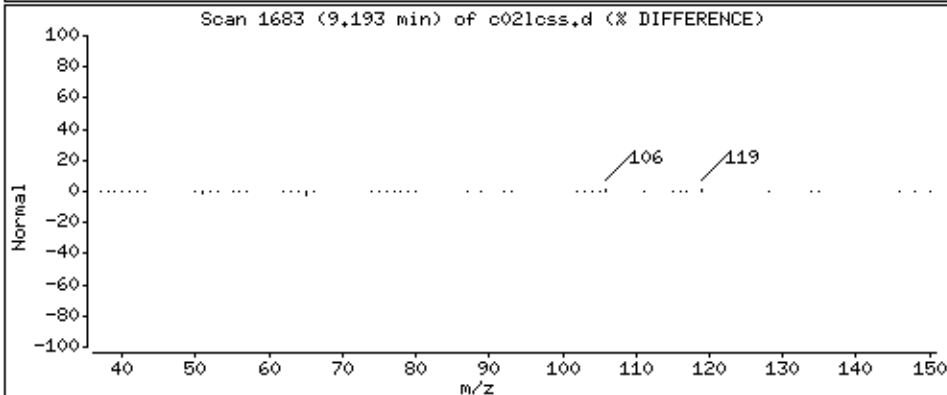
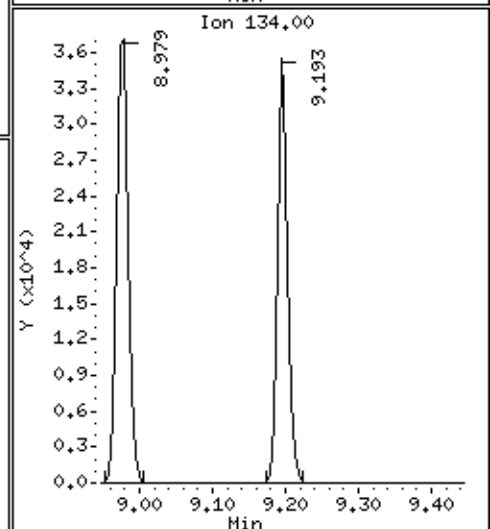
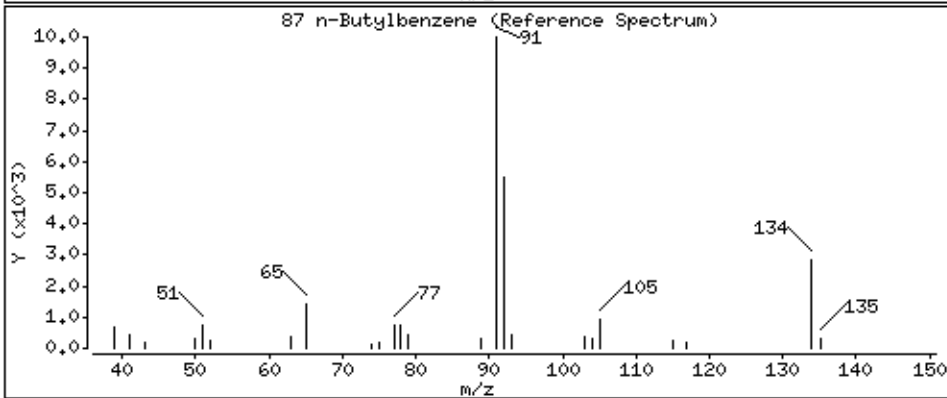
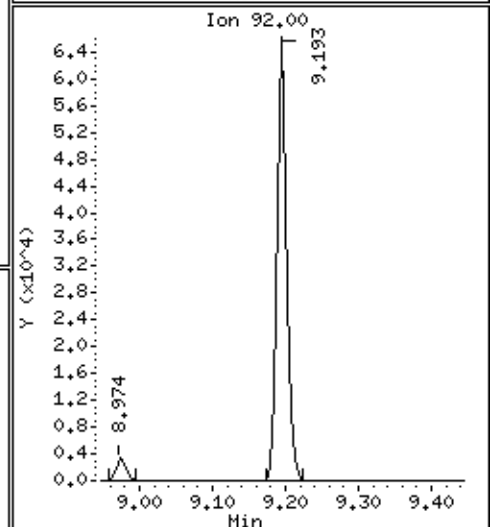
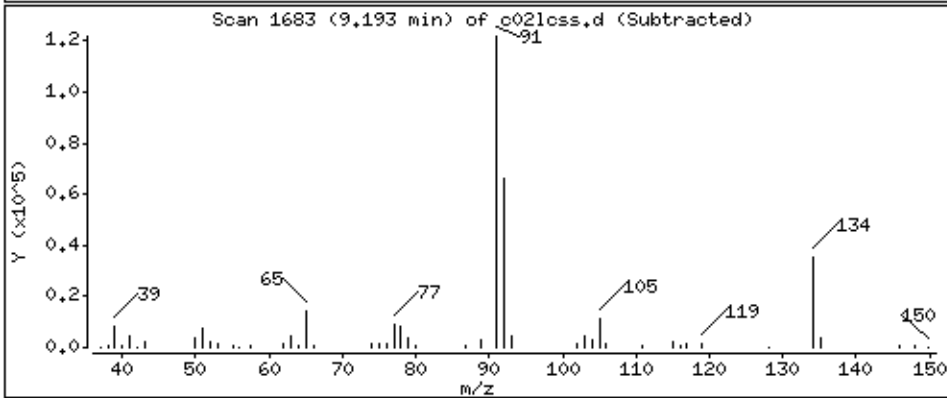
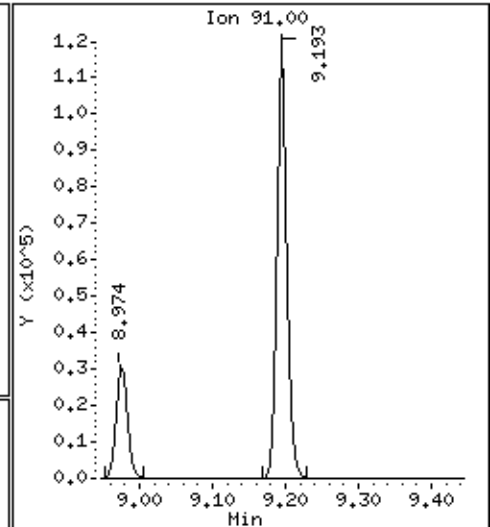
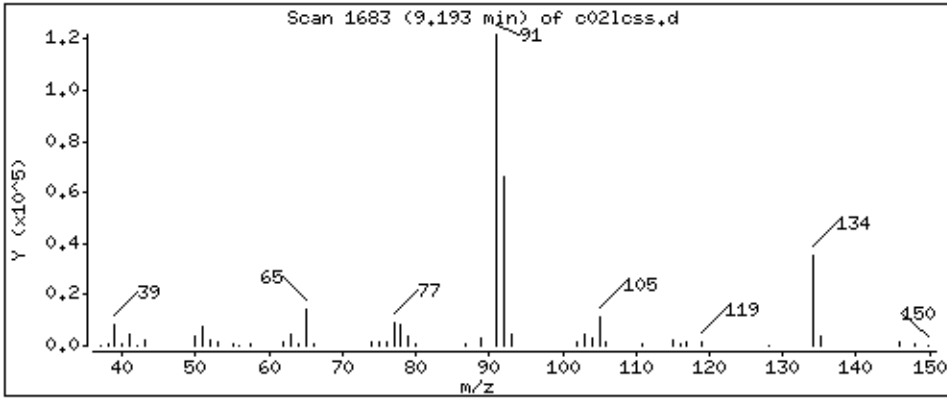
Column phase: DB-624

Column diameter: 0,18

87 n-Butylbenzene

Concentration: 36,8 ppb

Review Code:



Date : 02-JUL-2014 22:31

Client ID: MBLCS

Instrument: 50mv3a.i

Sample Info: 1122065,71089;5

Operator: jlz

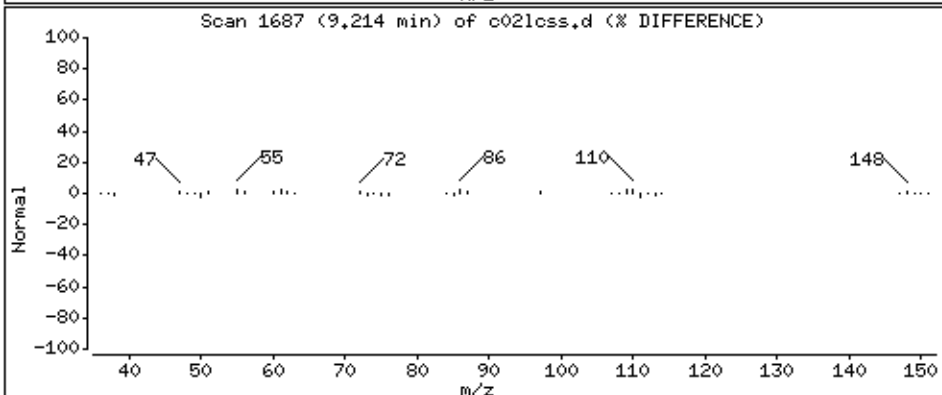
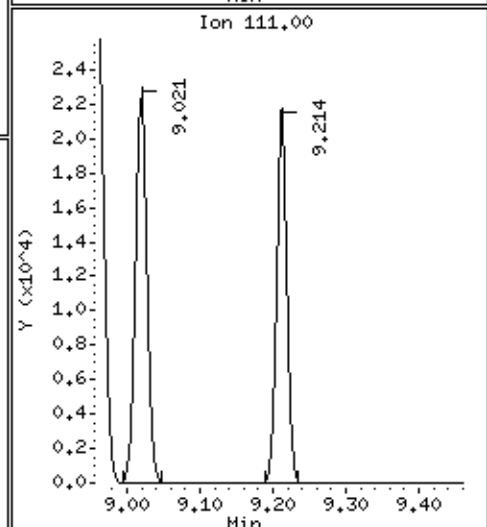
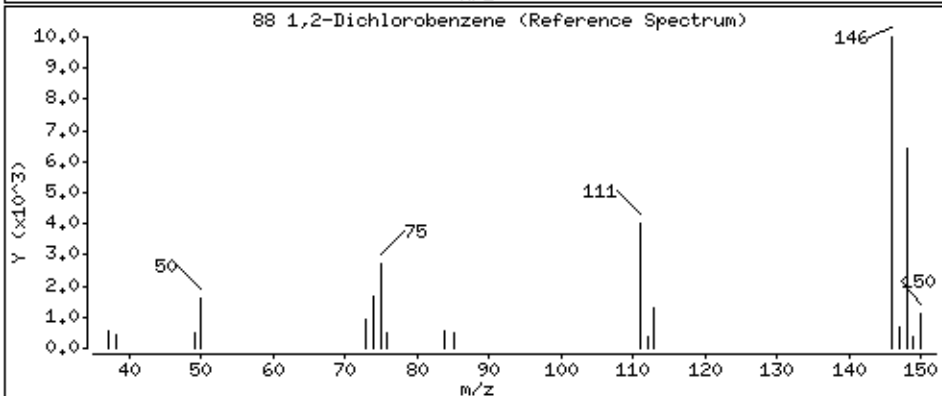
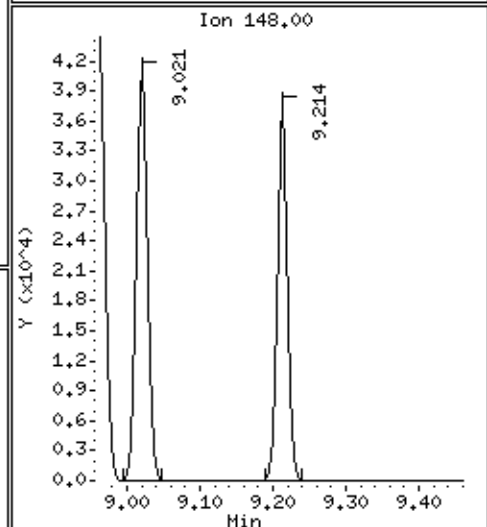
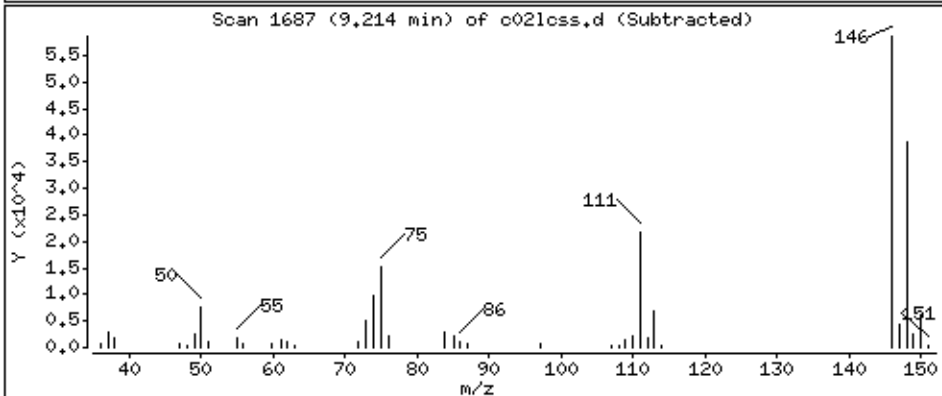
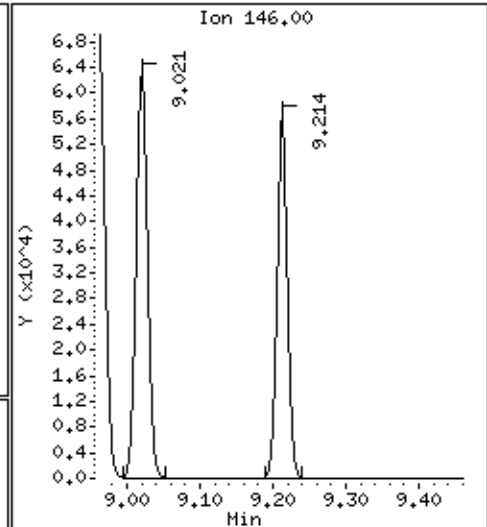
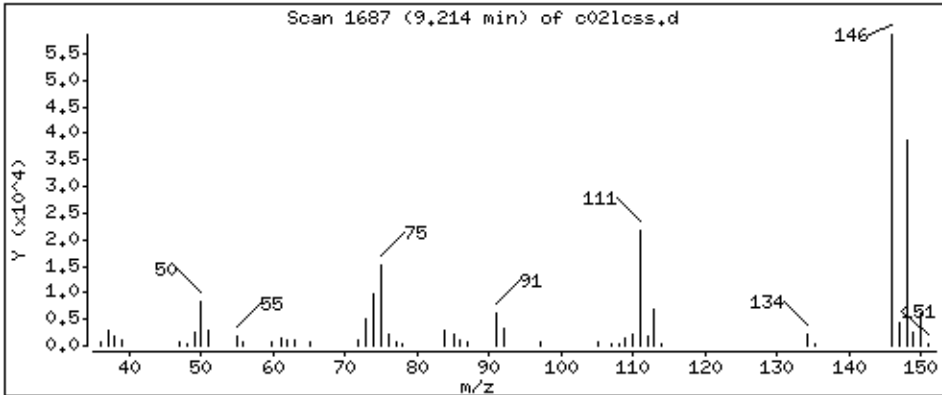
Column phase: DB-624

Column diameter: 0,18

88 1,2-Dichlorobenzene

Concentration: 39,8 ppb

Review Code:



Date : 02-JUL-2014 22:31

Client ID: MBLCS

Instrument: 50mw3a.i

Sample Info: 1122065,71089;5

Operator: jlz

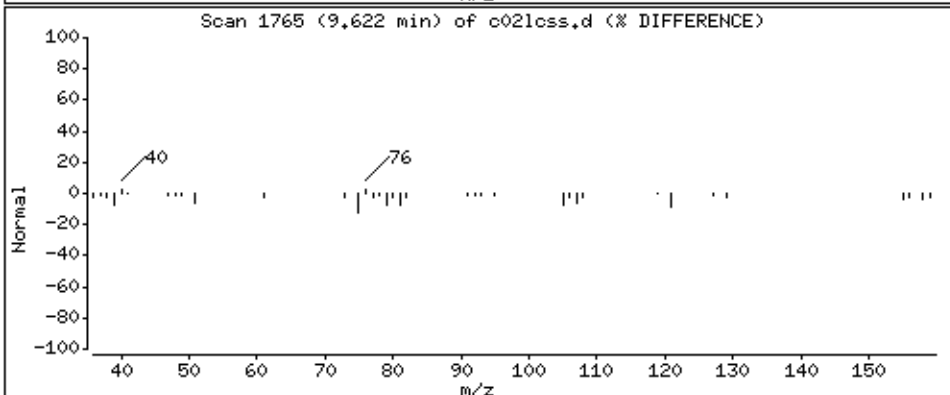
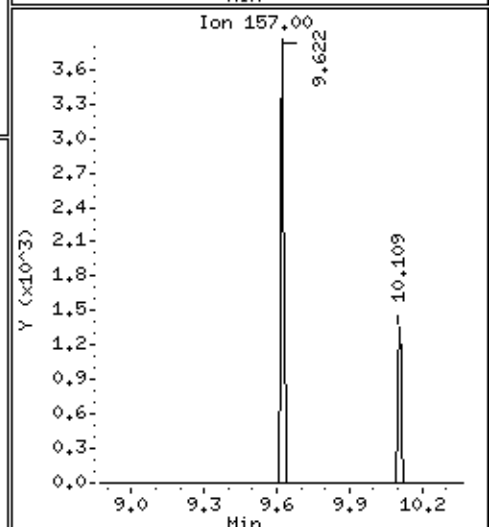
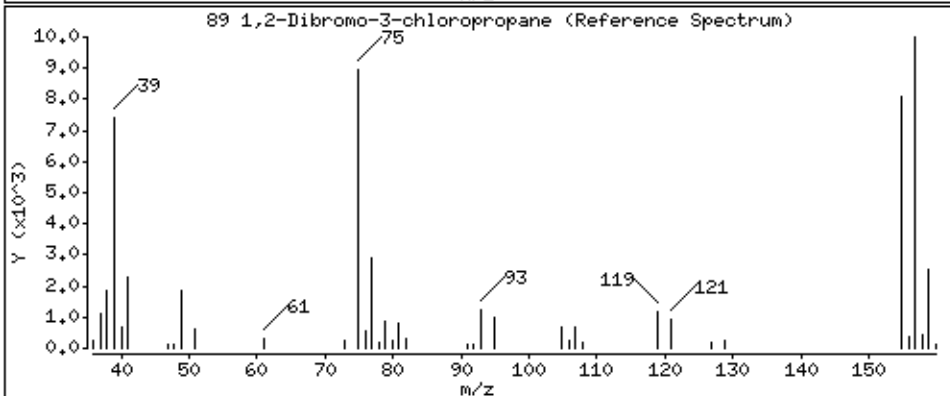
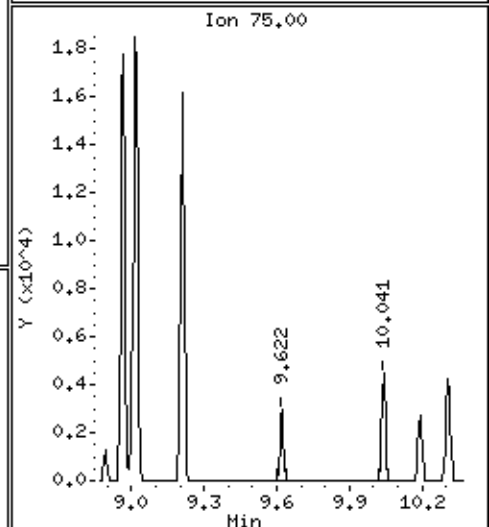
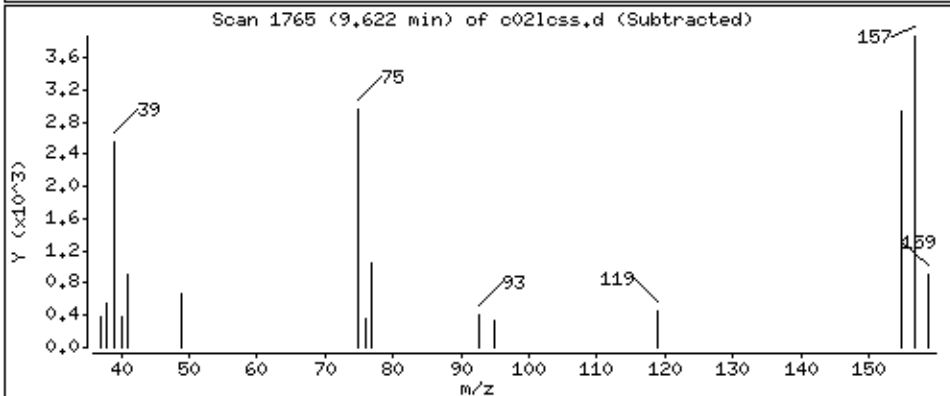
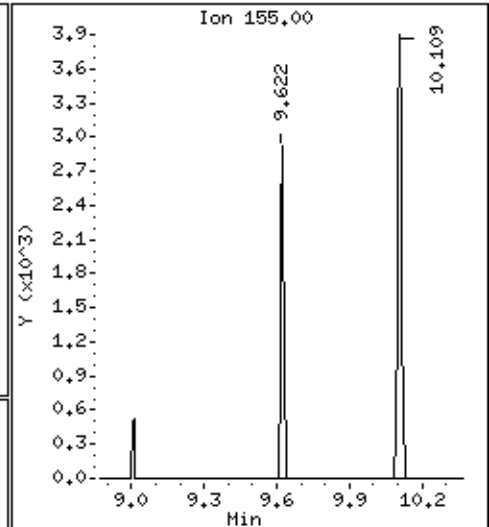
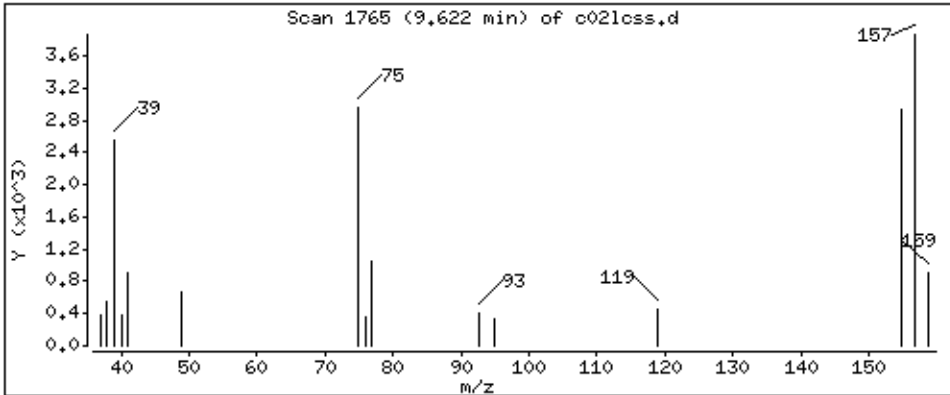
Column phase: DB-624

Column diameter: 0,18

89 1,2-Dibromo-3-chloropropane

Concentration: 27,2 ppb

Review Code:



Date : 02-JUL-2014 22:31

Client ID: MBLCS

Instrument: 50mv3a.i

Sample Info: 1122065,71089;5

Operator: jlz

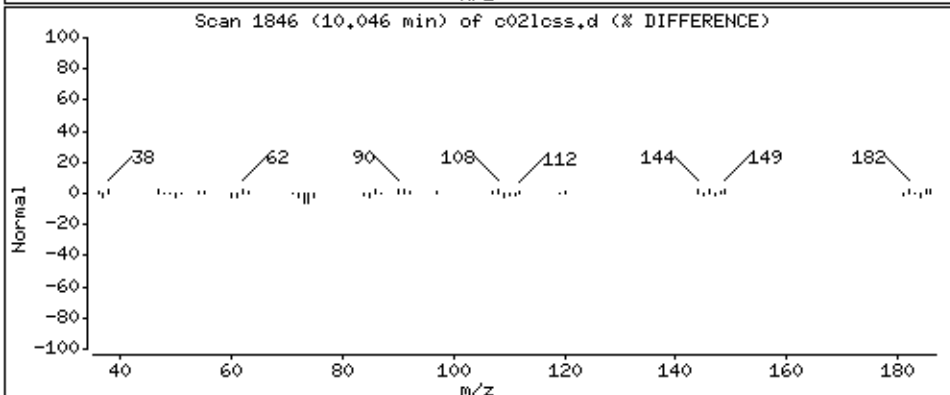
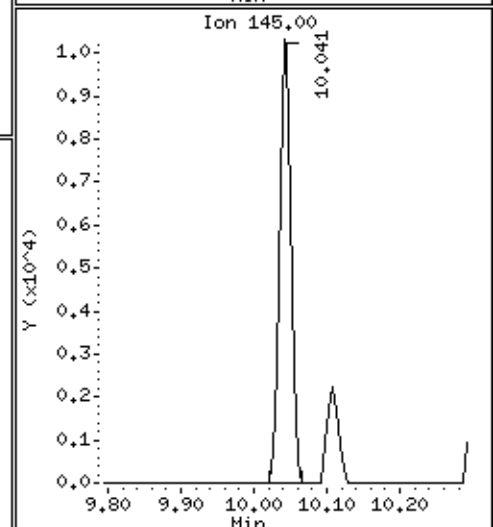
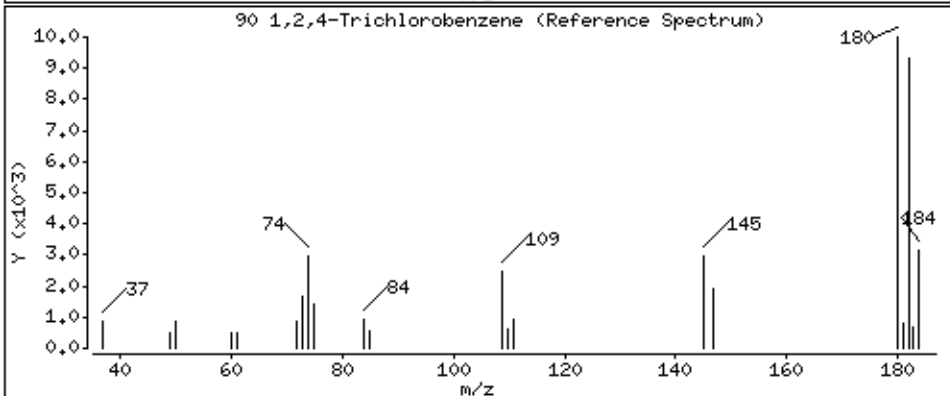
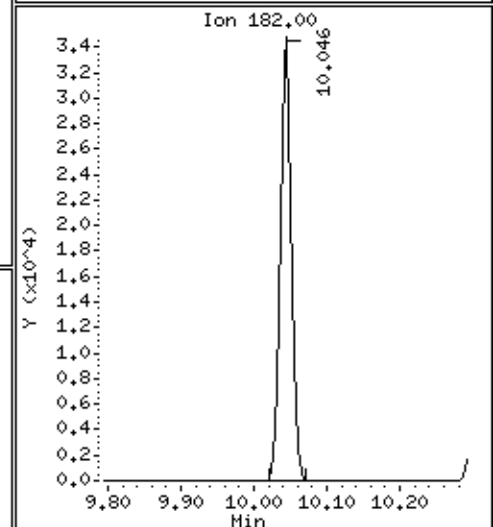
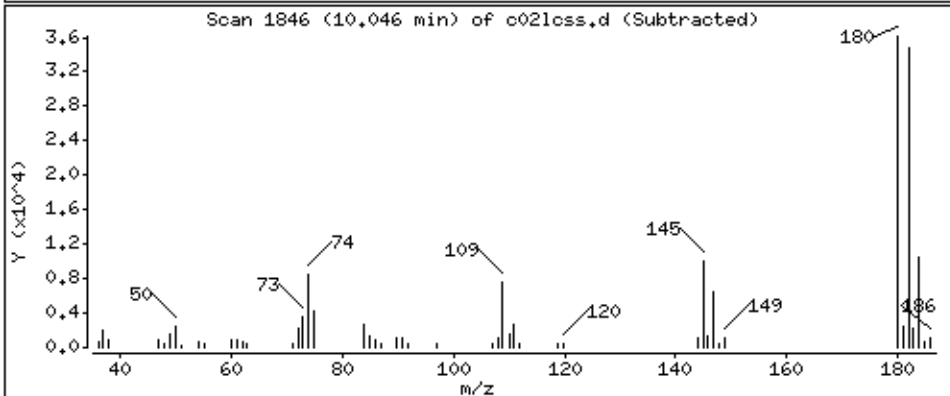
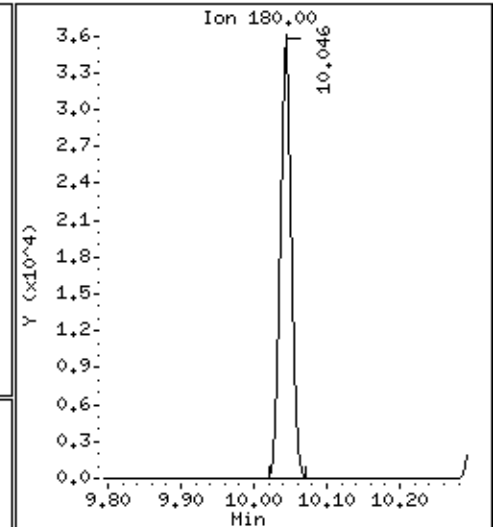
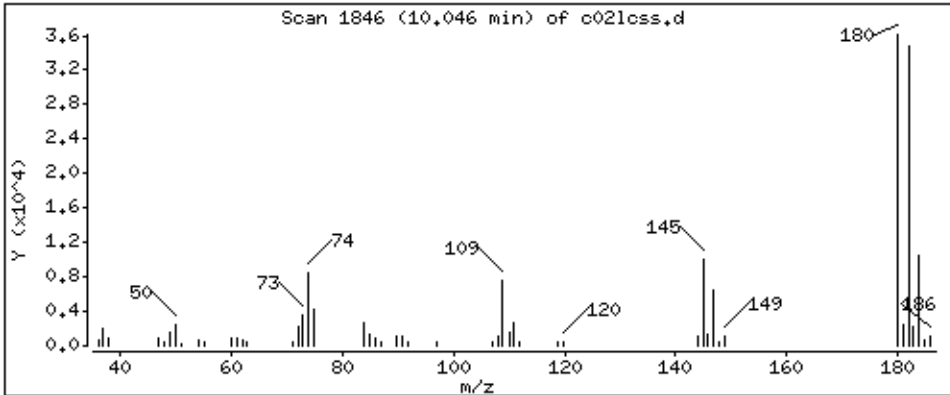
Column phase: DB-624

Column diameter: 0,18

90 1,2,4-Trichlorobenzene

Concentration: 37,4 ppb

Review Code:



Date : 02-JUL-2014 22:31

Client ID: MBLCS

Instrument: 50mw3a.i

Sample Info: 1122065,71089;5

Operator: jlz

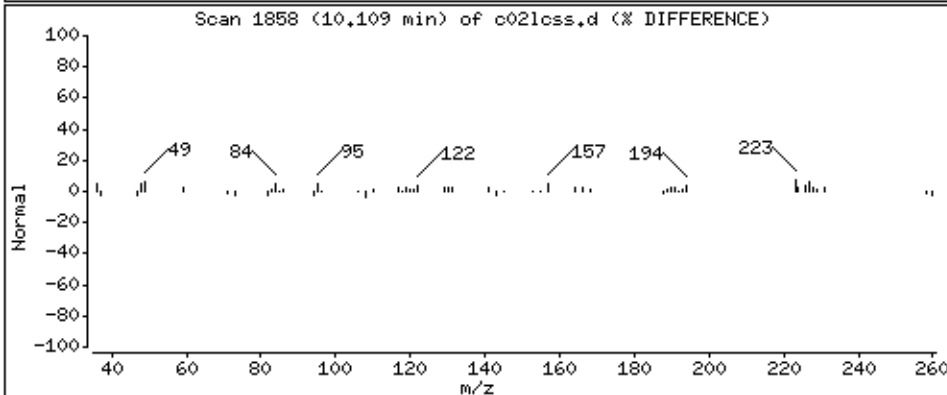
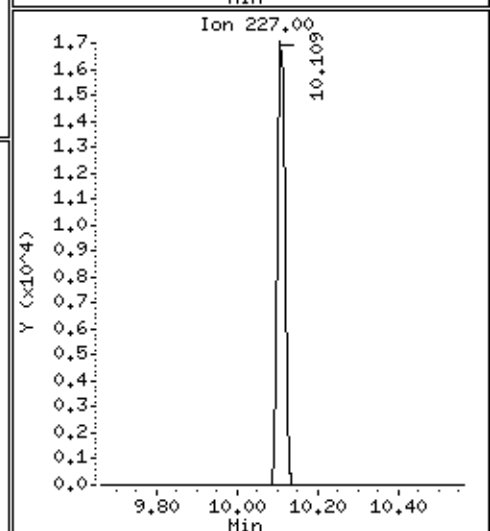
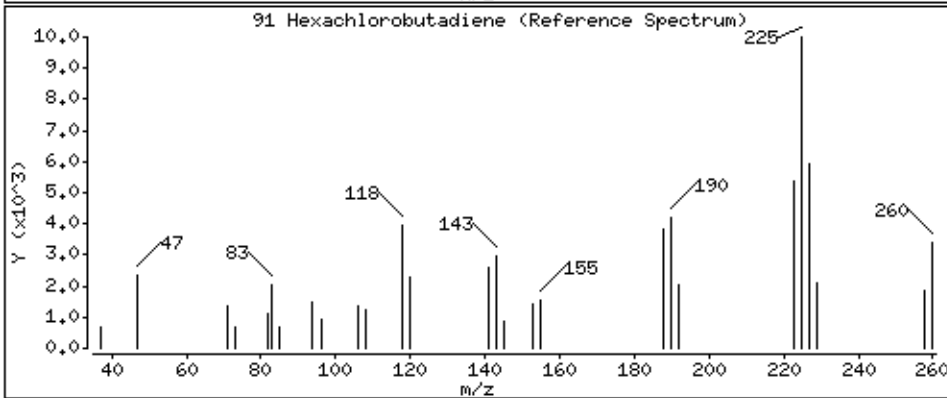
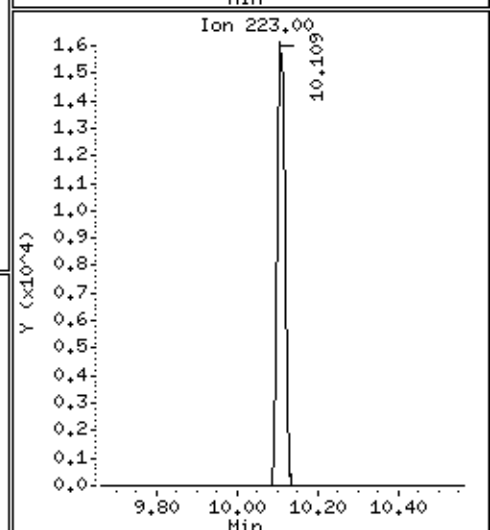
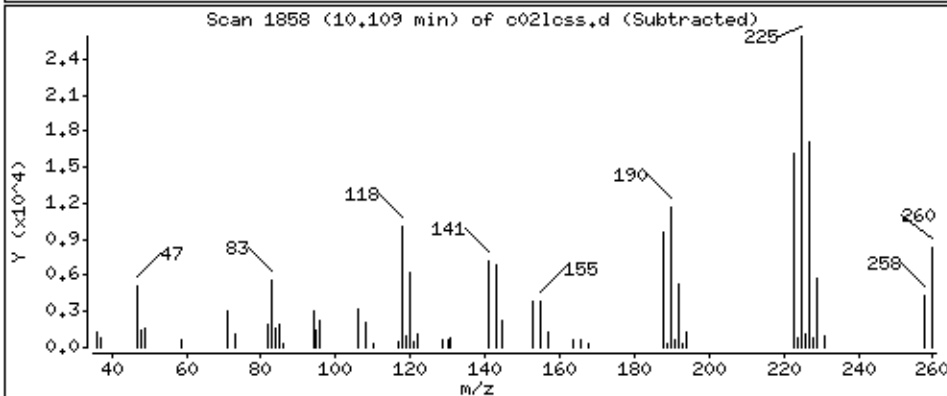
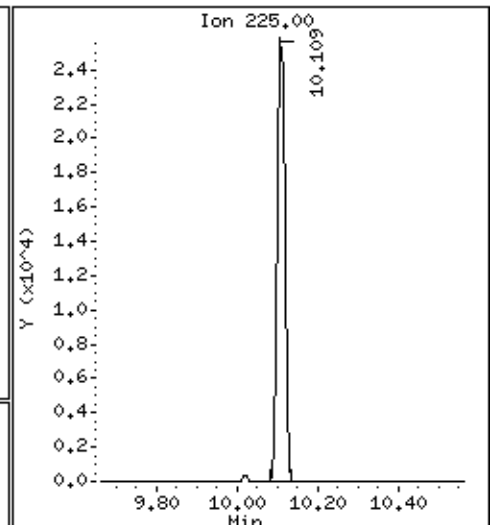
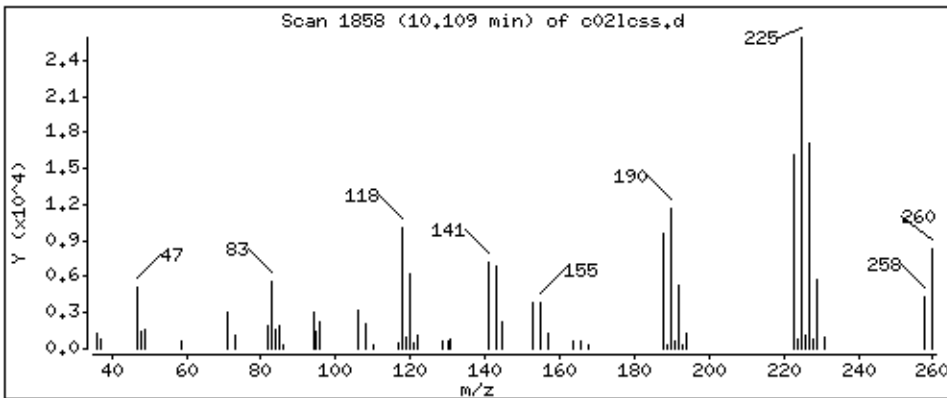
Column phase: DB-624

Column diameter: 0,18

91 Hexachlorobutadiene

Concentration: 41.8 ppb

Review Code:



Date : 02-JUL-2014 22:31

Client ID: MBLCS

Instrument: 50mw3a.i

Sample Info: 1122065,71089;5

Operator: jlz

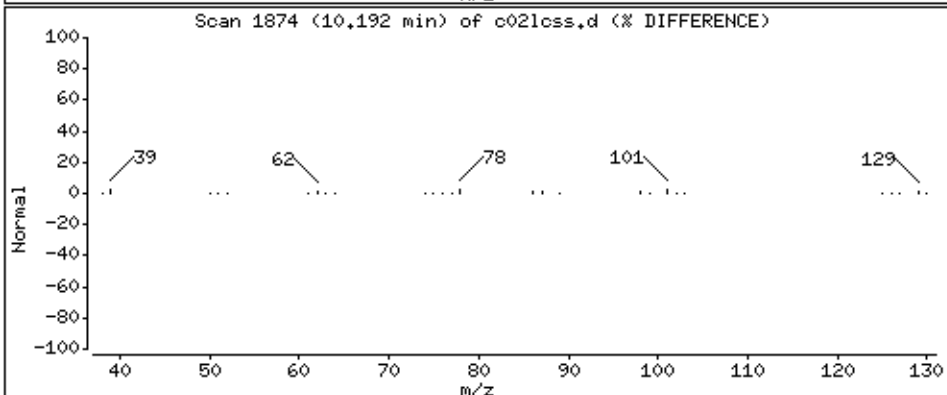
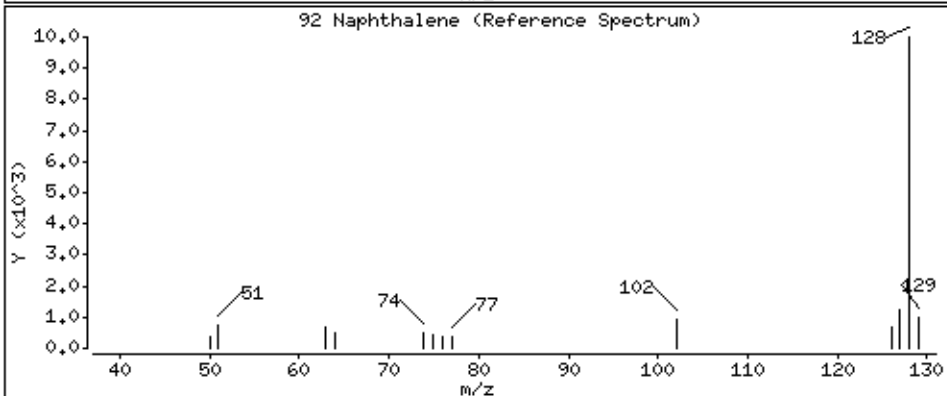
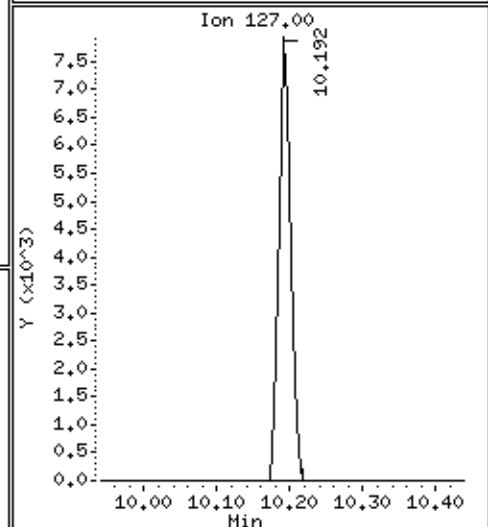
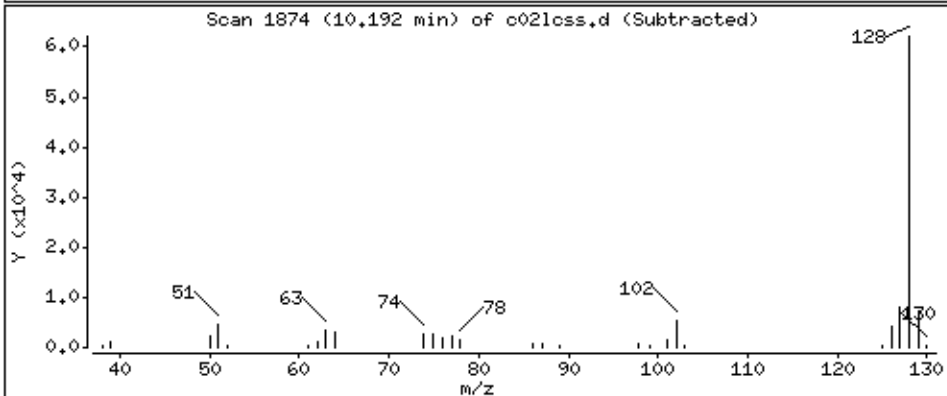
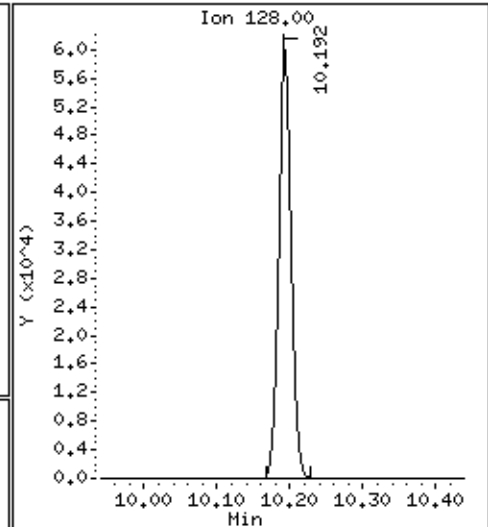
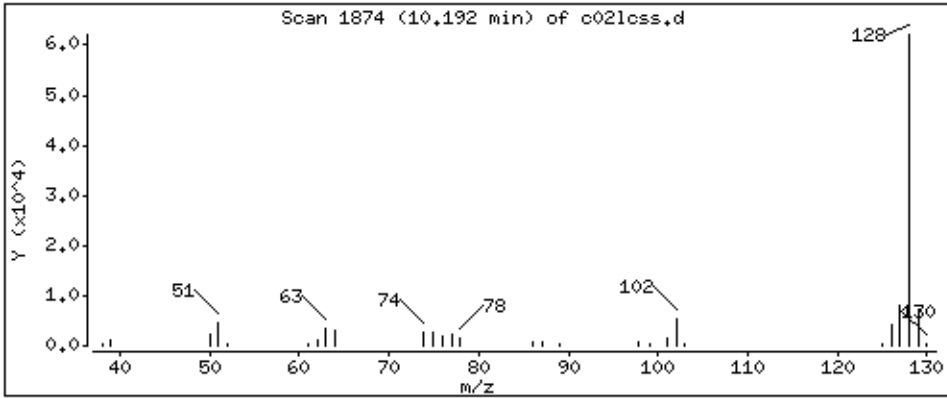
Column phase: DB-624

Column diameter: 0,18

92 Naphthalene

Concentration: 40,0 ppb

Review Code:



Date : 02-JUL-2014 22:31

Client ID: MBLCS

Instrument: 50mv3a.i

Sample Info: 1122065,71089;5

Operator: jlz

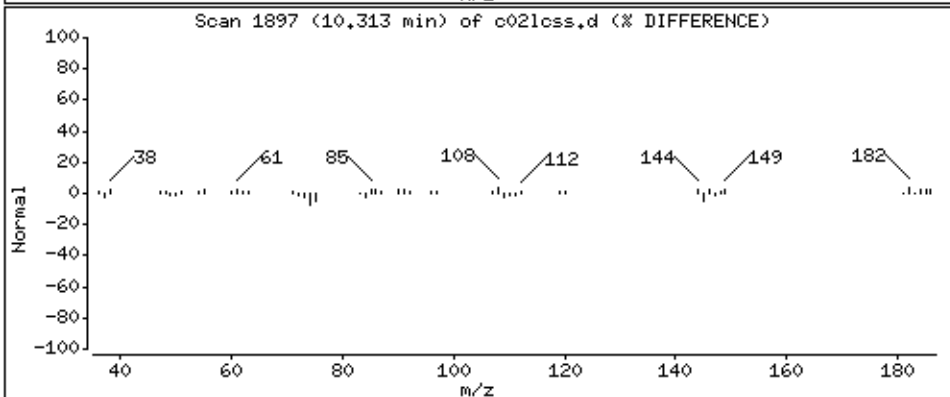
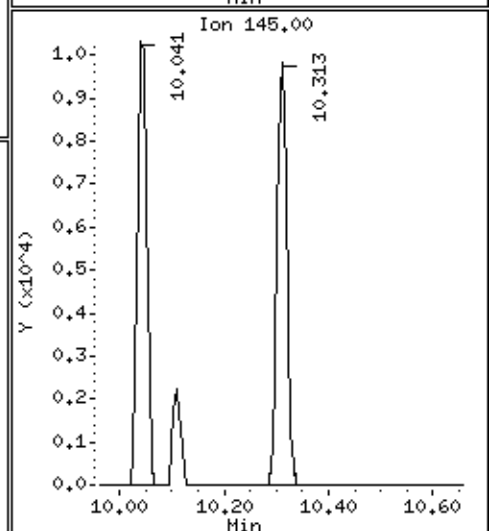
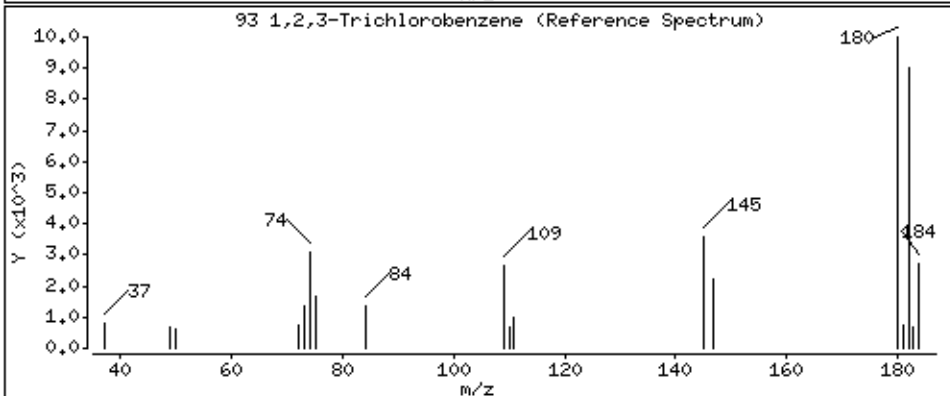
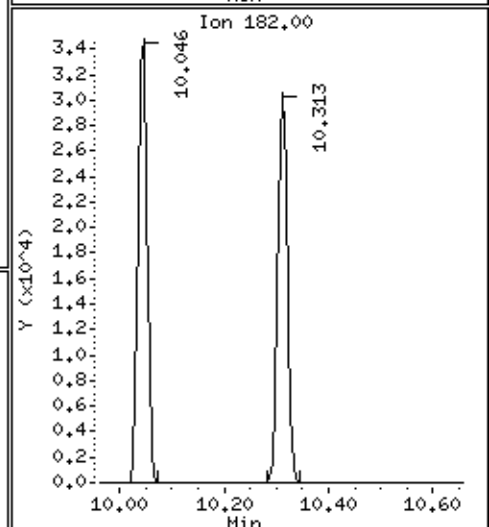
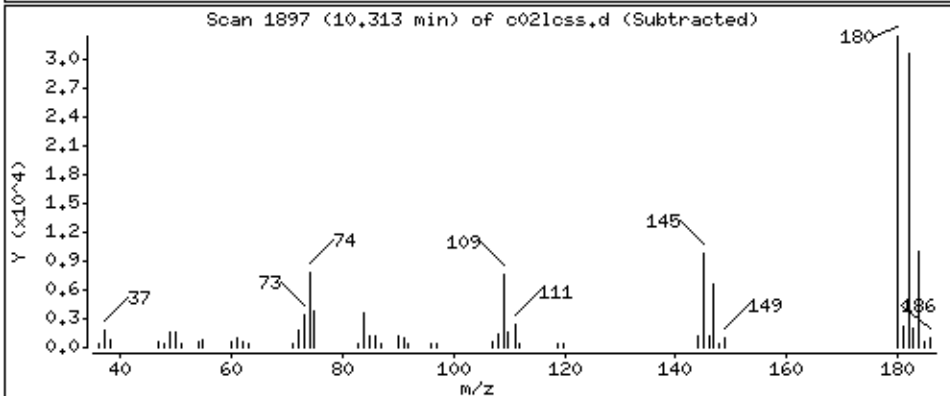
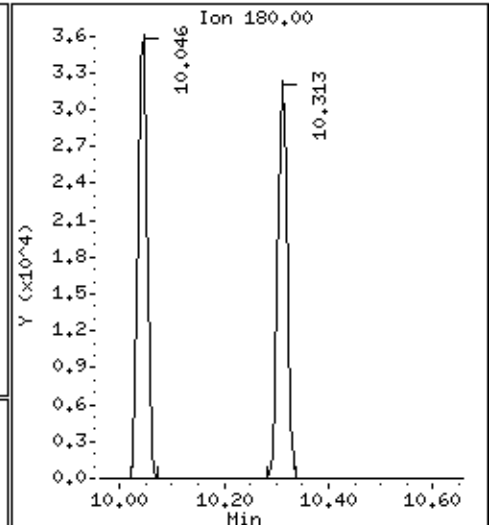
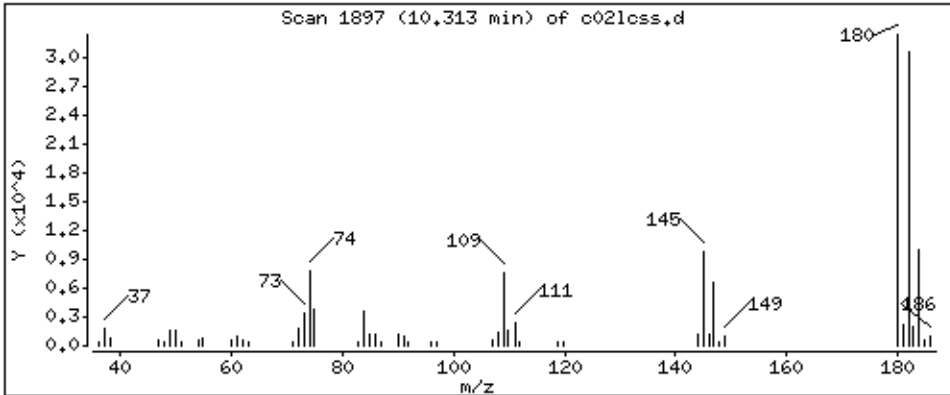
Column phase: DB-624

Column diameter: 0,18

93 1,2,3-Trichlorobenzene

Concentration: 39,9 ppb

Review Code:



Date : 02-JUL-2014 22:31

Client ID: MBLCS

Instrument: 50mw3a.i

Sample Info: 1122065,71089;5

Operator: jlz

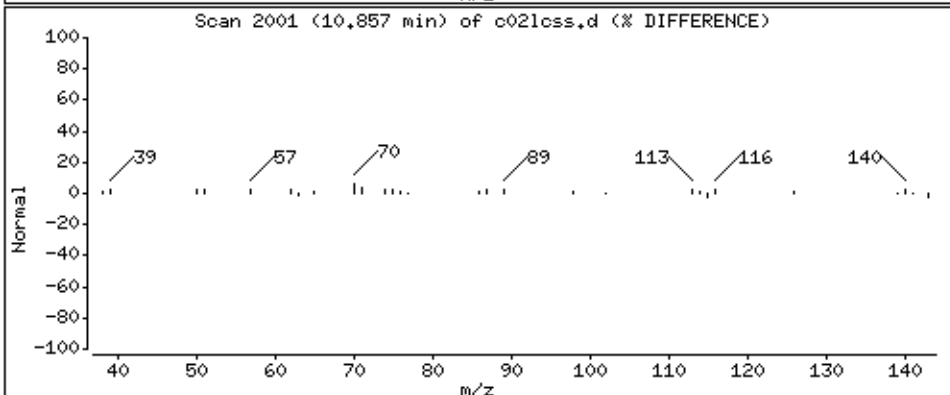
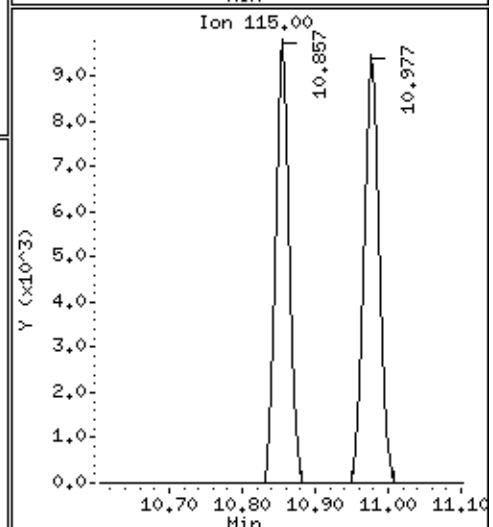
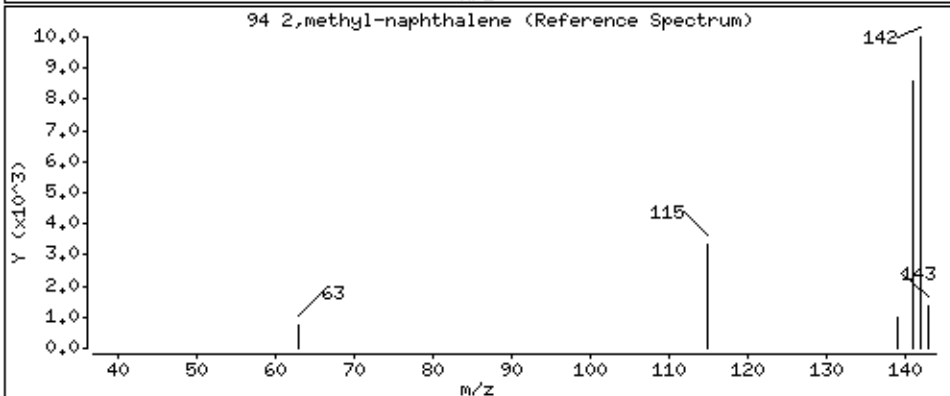
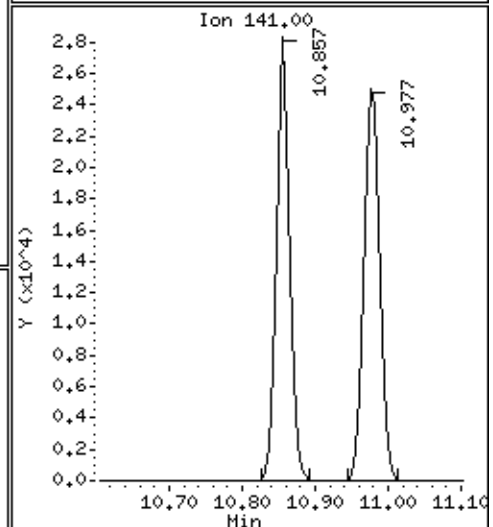
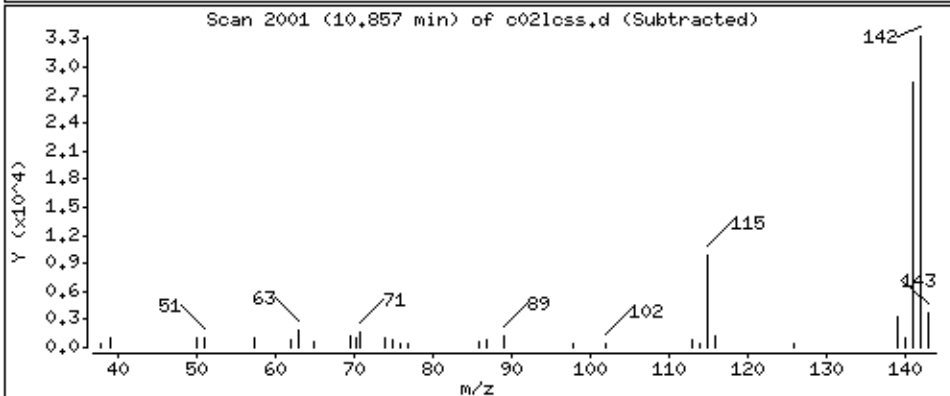
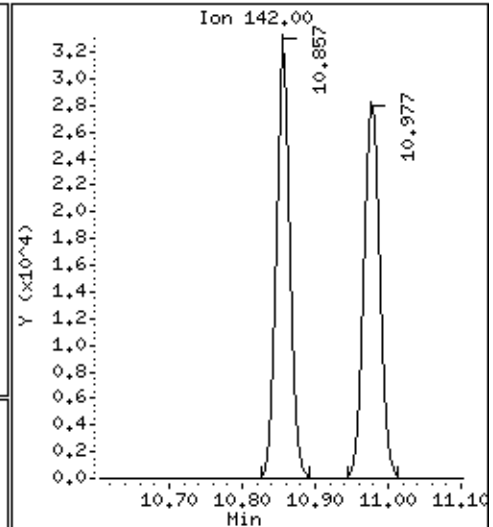
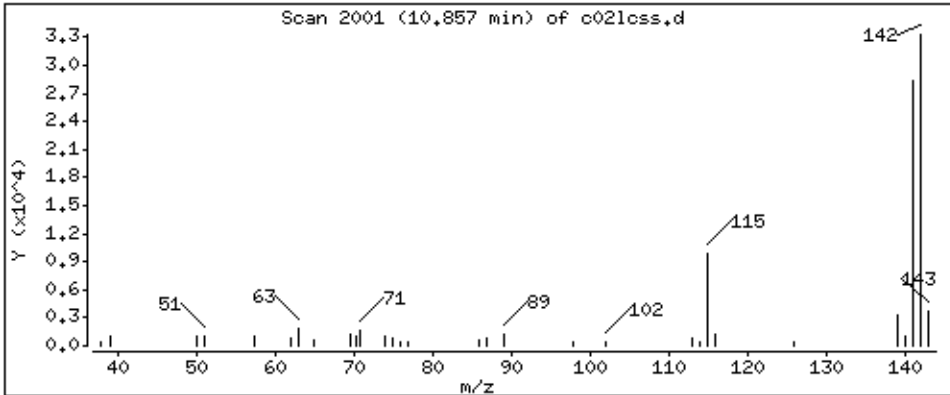
Column phase: DB-624

Column diameter: 0,18

94 2,methyl-naphthalene

Concentration: 37,5 ppb

Review Code:



Date : 02-JUL-2014 22:31

Client ID: MBLCS

Instrument: 50mw3a.i

Sample Info: 1122065,71089;5

Operator: jlz

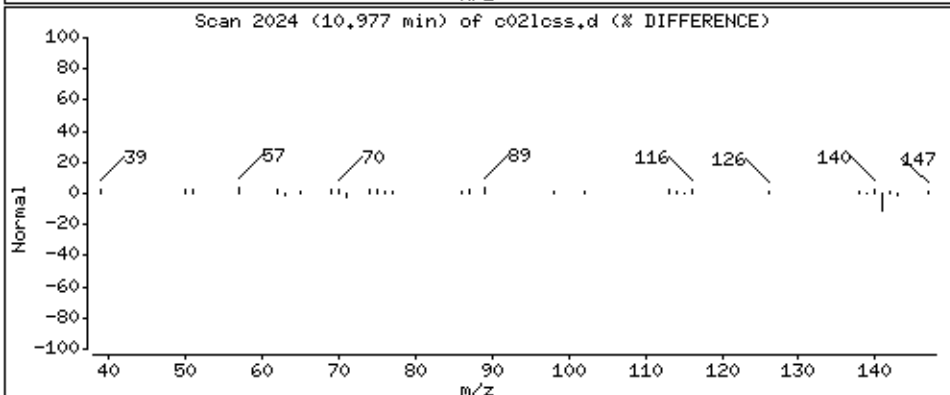
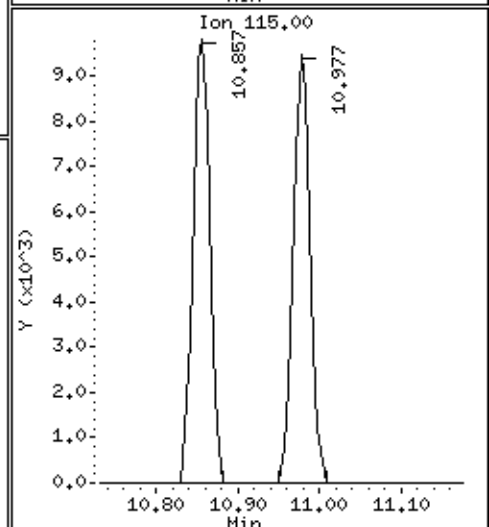
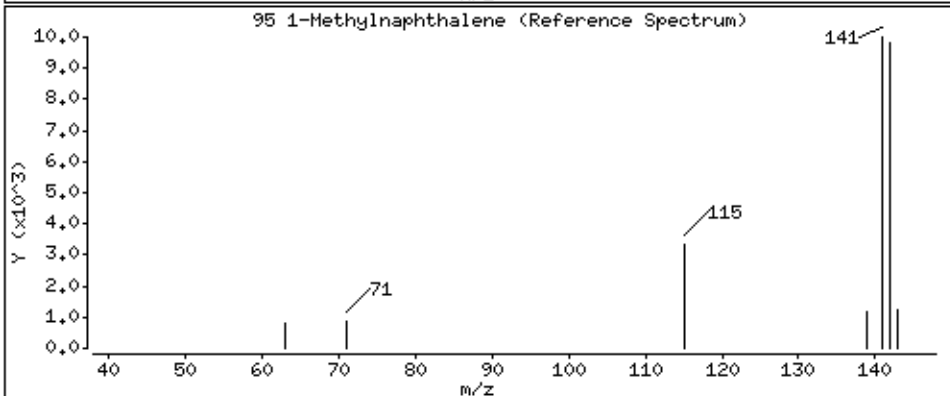
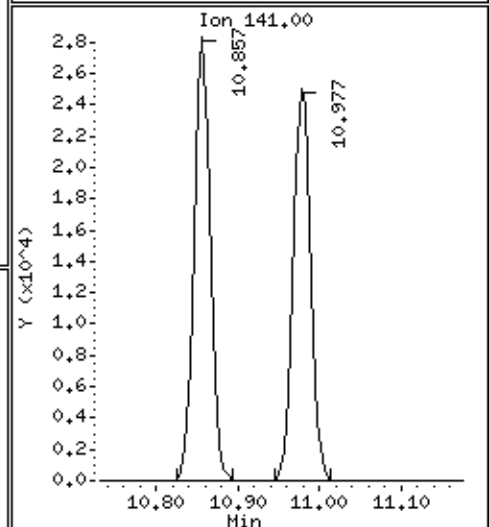
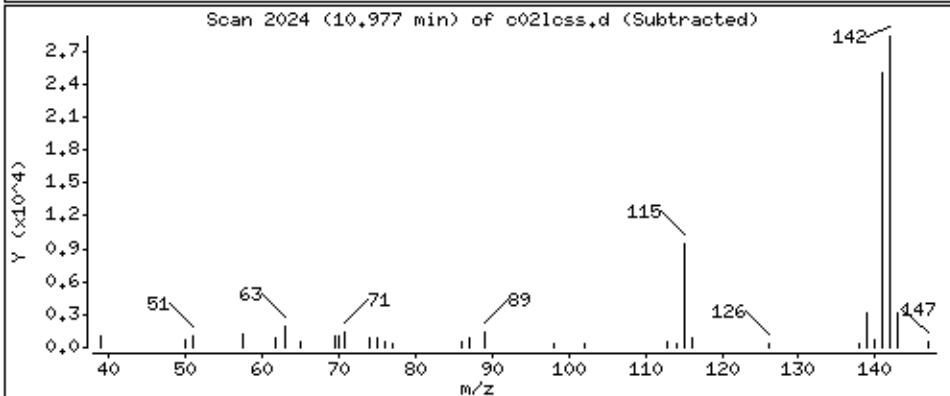
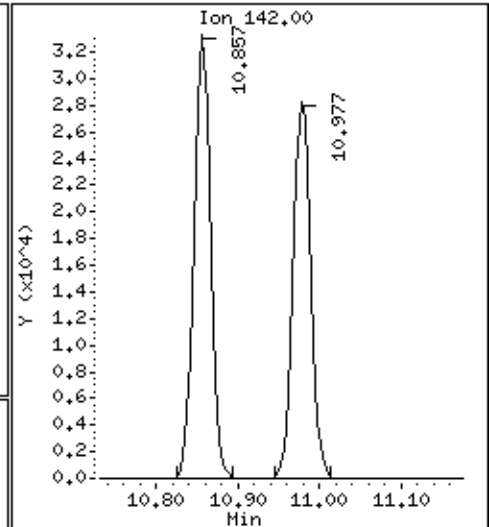
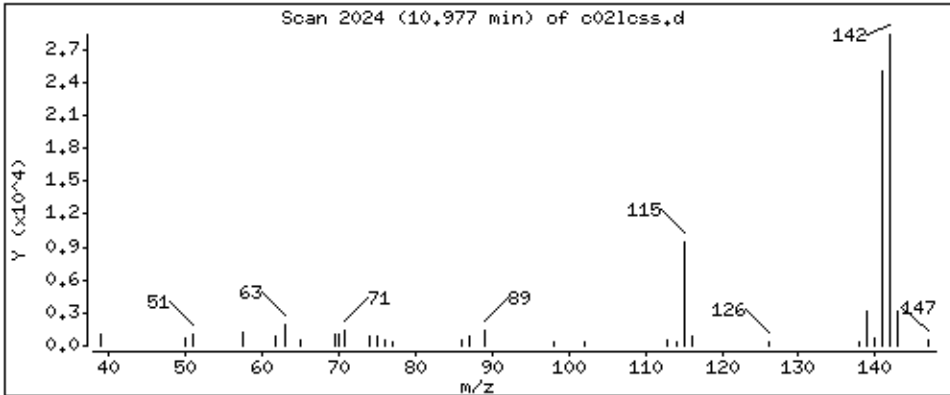
Column phase: DB-624

Column diameter: 0,18

95 1-Methylnaphthalene

Concentration: 40,6 ppb

Review Code:



Data File: \\192.168.50.6\chem\50mv3a.i\a070214.b/c021css.d
Injection Date: 02-JUL-2014 22:31
Instrument: 50mv3a.i
Lab Sample ID: 1122065
NO SIGNAL MANUAL INTEGRATIONS DONE FOR THIS DATA FILE

MSV - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

LCS

Lab Name: Pace Analytical - Indiana
Date Received: _____
Date Extracted: 07/01/2014 12:28
Date Analyzed: 07/01/2014 12:28
Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1

Contract: Sibley-Accucast/2339-356-03-00
Matrix: Water SDG No.: 5099688
Lab Sample ID: 1121183
Lab File ID: B070114.B\B02LCS.D
Instrument: 50MV4B Percent Moisture: _____

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
67-64-1	Acetone	320	
71-43-2	Benzene	52.9	
75-27-4	Bromodichloromethane	56.2	
75-25-2	Bromoform	44.3	
74-83-9	Bromomethane	79.9	
78-93-3	2-Butanone (MEK)	304	
75-15-0	Carbon disulfide	113	
56-23-5	Carbon tetrachloride	56.3	
108-90-7	Chlorobenzene	50.4	
75-00-3	Chloroethane	46.1	
67-66-3	Chloroform	50.1	
74-87-3	Chloromethane	50.2	
124-48-1	Dibromochloromethane	44.8	
106-93-4	1,2-Dibromoethane (EDB)	55.5	
95-50-1	1,2-Dichlorobenzene	52.8	
541-73-1	1,3-Dichlorobenzene	50.8	
106-46-7	1,4-Dichlorobenzene	50.6	
75-71-8	Dichlorodifluoromethane	54.5	
75-34-3	1,1-Dichloroethane	54.1	
107-06-2	1,2-Dichloroethane	47.8	
75-35-4	1,1-Dichloroethene	49.2	
156-59-2	cis-1,2-Dichloroethene	51.5	
156-60-5	trans-1,2-Dichloroethene	47.8	
78-87-5	1,2-Dichloropropane	52.8	
10061-01-5	cis-1,3-Dichloropropene	47.9	
10061-02-6	trans-1,3-Dichloropropene	45.3	
100-41-4	Ethylbenzene	55.3	
591-78-6	2-Hexanone	339	
98-82-8	Isopropylbenzene (Cumene)	56.0	
75-09-2	Methylene Chloride	49.5	
108-10-1	4-Methyl-2-pentanone (MIBK)	325	
1634-04-4	Methyl-tert-butyl ether	98.4	
100-42-5	Styrene	53.8	
79-34-5	1,1,2,2-Tetrachloroethane	55.3	
127-18-4	Tetrachloroethene	48.4	
108-88-3	Toluene	51.4	
120-82-1	1,2,4-Trichlorobenzene	43.5	

07/21/2014 10:54

MSV - FORM I VOA-2
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

LCS

Lab Name: Pace Analytical - Indiana Contract: Sibley-Accucast/2339-356-03-00
Date Received: _____ Matrix: Water SDG No.: 5099688
Date Extracted: 07/01/2014 12:28 Lab Sample ID: 1121183
Date Analyzed: 07/01/2014 12:28 Lab File ID: B070114.B\B02LCS.D
Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1 Instrument: 50MV4B Percent Moisture: _____

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
71-55-6	1,1,1-Trichloroethane	56.4	
79-00-5	1,1,2-Trichloroethane	50.7	
79-01-6	Trichloroethene	50.5	
75-69-4	Trichlorofluoromethane	49.9	
75-01-4	Vinyl chloride	52.0	
1330-20-7	Xylene (Total)	174	

07/21/2014 10:54

Pace Analytical Services, Inc.

Data file : \\192.168.50.6\chem\50mv4b.i\b070114.b\b021cs.d
 Lab Smp Id: 1121307 Client Smp ID: 1121307
 Inj Date : 01-JUL-2014 12:28
 Operator : rsw Inst ID: 50mv4b.i
 Smp Info : 1121307,71262:5
 Misc Info : 66372
 Comment :
 Method : \\192.168.50.6\chem\50mv4b.i\b070114.b\b021cs.d
 Meth Date : 02-Jul-2014 09:49 50mv4b.i Quant Type: ISTD
 Cal Date : 30-JUN-2014 16:17 Cal File: b09.d
 Als bottle: 6 QC Sample: LCS
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: all.sub
 Target Version: 4.14

Concentration Formula: Amt * DF * Uf/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT	SIG	CONCENTRATIONS					REVIEW C	
			ON-COLUMN	FINAL	MASS	RT	EXP RT		REL RT
1 Dichlorodifluoromethane	85		54.5158	54.5		1.057	1.057	(0.205)	384760
2 Chloromethane	50		50.1748	50.2		1.186	1.186	(0.230)	659496
3 Vinyl Chloride	62		52.0377	52.0		1.227	1.228	(0.238)	459976
4 Bromomethane	94		79.9105	79.9		1.416	1.416	(0.274)	145408
5 Chloroethane	64		46.0537	46.0		1.480	1.480	(0.286)	252210
6 Trichlorofluoromethane	101		49.9465	49.9		1.639	1.639	(0.317)	507180
7 Diethyl ether	74		52.8378	52.8		1.827	1.833	(0.354)	160587
8 1,2-dichlorotrifluoroethane	67		48.7115	48.7		1.839	1.839	(0.356)	377885
9 Acrolein	56		978.752	979		1.916	1.922	(0.371)	1423091
10 1,1,2trichlorotrifluoroethane	101		52.5791	52.6		1.992	1.992	(0.386)	313086
11 1,1-Dichloroethene	96		49.2033	49.2		1.986	1.986	(0.384)	258394
12 Acetone	43		320.285	320		2.027	2.033	(0.392)	778288
13 Iodomethane	142		99.8361	99.8		2.098	2.098	(0.406)	492567
14 Carbon Disulfide	76		112.976	113		2.145	2.145	(0.415)	1479443
15 Acetonitrile	39		50.0819	50.1		2.263	2.269	(0.438)	951820
16 allyl chloride	41		105.069	105		2.263	2.269	(0.438)	1546362
17 Methyl Acetate	43		57.7888	57.8		2.292	2.292	(0.444)	476802
18 Methylene Chloride	84		49.5397	49.5		2.369	2.369	(0.458)	285677
19 tert-Butyl Alcohol	59		101.042	101		2.492	2.492	(0.482)	46082
20 Acrylonitrile	53		1090.80	1090		2.592	2.598	(0.502)	3540074
21 1,2-Dichloroethene (trans)	96		47.7552	47.8		2.610	2.610	(0.505)	278674
22 Methyl-tert-butyl ether	73		98.4265	98.4		2.622	2.622	(0.507)	1105252
23 n-Hexane	57		52.2296	52.2		2.880	2.886	(0.557)	624871

Compounds	QUANT	SIG						CONCENTRATIONS		REVIEW C
			MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ppb)	FINAL (ppb)	
24 1,1-Dichloroethane	63		3.033	3.033	(0.587)	673102	54.1252	54.1		
25 Vinyl Acetate	43		3.121	3.122	(0.604)	4681129	245.945	246		
26 chloroprene	53		3.133	3.133	(0.606)	732914	54.1532	54.2		
27 2,2-Dichloropropane	77		3.739	3.739	(0.723)	277426	47.4316	47.4		
28 1,2-Dichloroethene (cis)	96		3.751	3.751	(0.726)	349432	51.4714	51.5		
29 2-Butanone	43		3.810	3.810	(0.737)	1284700	303.529	304		
30 Propionitrile	54		3.886	3.892	(0.752)	68172	50.7156	50.7		
31 Bromochloromethane	49		4.068	4.074	(0.787)	474597	50.4154	50.4		
32 Methacrylonitrile	41		4.086	4.092	(0.791)	1446050	243.046	243		
33 Tetrahydrofuran	42		4.133	4.139	(0.800)	167126	43.9520	44.0		
34 Chloroform	83		4.204	4.204	(0.813)	542399	50.1287	50.1		
35 1,1,1-Trichloroethane	97		4.392	4.392	(0.850)	433573	56.3749	56.4		
\$ 36 Dibromofluoromethane (S)	113		4.398	4.404	(0.851)	91121	49.5214	49.5		
37 Cyclohexane	56		4.445	4.445	(0.860)	838299	61.1138	61.1 (R)		
38 Carbon Tetrachloride	117		4.586	4.592	(0.887)	377349	56.3464	56.3		
39 1,1-Dichloropropene	75		4.598	4.604	(0.890)	429808	56.2299	56.2		
40 Benzene	78		4.833	4.839	(0.935)	1247655	52.8816	52.9		
41 1,2-Dichloroethane	62		4.874	4.874	(0.943)	511254	47.7669	47.8		
42 2,2,4-Trimethylpentane	57		4.957	4.957	(0.959)	1261155	57.4674	57.5		
43 Isobutyl alcohol	43		4.957	4.957	(0.959)	258824	52.3264	52.3		
* 44 Fluorobenzene	96		5.168	5.168	(1.000)	349025	50.0000			
45 Trichloroethene	95		5.557	5.563	(1.075)	317027	50.4924	50.5		
46 Methylcyclohexane	55		5.739	5.739	(1.110)	654404	60.3841	60.4		
47 1,2-Dichloropropane	63		5.786	5.792	(1.119)	378569	52.8154	52.8		
48 Dibromomethane	93		5.904	5.904	(1.142)	184802	51.1102	51.1		
49 1,4-Dioxane	88		5.957	5.957	(1.152)	45958	1077.91	1080		
50 Methyl methacrylate	69		5.968	5.974	(1.155)	213632	68.1780	68.2 (R)		
51 Bromodichloromethane	83		6.086	6.086	(1.178)	374331	56.1549	56.2		
52 2-Chloroethyl vinyl ether	63		6.415	6.415	(0.815)	229273	51.8161	51.8		
53 cis-1,3-Dichloropropene	75		6.527	6.527	(0.829)	419002	47.8733	47.9		
54 4-Methyl-2-Pentanone	43		6.698	6.698	(0.851)	2595713	325.168	325		
\$ 55 Toluene-d8	98		6.762	6.763	(0.859)	350565	50.2094	50.2		
56 Toluene	91		6.827	6.827	(0.867)	1339476	51.3660	51.4		
57 trans-1,3-Dichloropropene	75		7.051	7.051	(0.895)	322099	45.3196	45.3		
58 Ethyl Methacrylate	69		7.157	7.157	(0.909)	1504582	215.581	216		
59 1,1,2-Trichloroethane	83		7.192	7.192	(0.913)	221967	50.6645	50.7		
60 Tetrachloroethene	166		7.280	7.286	(0.925)	338573	48.4088	48.4		
61 1,3-Dichloropropane	76		7.315	7.315	(0.929)	445596	51.7075	51.7		
62 2-Hexanone	43		7.404	7.404	(0.940)	1751547	339.305	339		
63 Dibromochloromethane	129		7.480	7.480	(0.950)	277717	44.8359	44.8		
64 1,2-Dibromoethane	107		7.545	7.545	(0.958)	291390	55.5491	55.5		
* 65 Chlorobenzene-d5	117		7.874	7.874	(1.000)	279676	50.0000			
66 Chlorobenzene	112		7.892	7.892	(1.002)	899527	50.3770	50.4		
67 1,1,1,2-Tetrachloroethane	131		7.951	7.951	(1.010)	310218	59.7183	59.7		
68 Ethylbenzene	106		7.974	7.974	(1.013)	487755	55.3394	55.3		
69 m&p-Xylene	106		8.051	8.051	(1.022)	1170350	115.045	115		
70 o-Xylene	106		8.298	8.298	(1.054)	567926	58.4954	58.5		
71 Styrene	104		8.309	8.309	(1.055)	873339	53.8268	53.8		
72 Bromoform	173		8.415	8.415	(0.906)	154175	44.2599	44.2		
73 Isopropylbenzene	105		8.527	8.527	(1.083)	1458746	55.9897	56.0		
\$ 74 4-Bromofluorobenzene	95		8.615	8.615	(1.094)	125615	53.1775	53.2		
75 Bromobenzene	77		8.698	8.698	(1.105)	481629	51.3542	51.4		
76 1,1,2,2-Tetrachloroethane	83		8.709	8.709	(0.938)	335664	55.2925	55.3		
77 1,2,3-Trichloropropane	110		8.727	8.727	(0.940)	110319	54.8462	54.8 (Q)		

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS		REVIEW C
						ON-COLUMN (ppb)	FINAL (ppb)	
78 trans-1,4-Dichloro-2-butene	53	8.739	8.739	(1.110)	542210	234.053	234 (Q)	
79 n-Propylbenzene	91	8.768	8.768	(0.944)	1530570	58.8179	58.8	
80 2-Chlorotoluene	91	8.815	8.815	(0.949)	959170	49.6542	49.6	
81 1,3,5-Trimethylbenzene	105	8.874	8.874	(0.956)	992409	57.7576	57.8	
82 4-Chlorotoluene	126	8.880	8.880	(0.956)	339936	53.4981	53.5	
83 tert-Butylbenzene	119	9.062	9.062	(0.976)	993698	52.0754	52.1	
84 1,2,4-Trimethylbenzene	105	9.092	9.092	(0.979)	915552	60.6570	60.6	
85 sec-Butylbenzene	105	9.186	9.186	(0.989)	1207783	61.2113	61.2	
86 1,3-Dichlorobenzene	146	9.250	9.251	(0.996)	594007	50.8194	50.8	
87 p-Isopropyltoluene	119	9.274	9.274	(0.999)	896070	46.4103	46.4	
* 88 1,4-Dichlorobenzene-d4	152	9.286	9.286	(1.000)	121773	50.0000		
89 1,4-Dichlorobenzene	146	9.303	9.304	(1.002)	571645	50.5539	50.6	
90 n-Butylbenzene	91	9.509	9.504	(1.024)	617738	44.8940	44.9	
91 1,2-Dichlorobenzene	146	9.515	9.515	(1.025)	567287	52.7831	52.8	
92 1,2-Dibromo-3-chloropropane	155	9.968	9.968	(1.073)	45935	45.4161	45.4	
93 1,2,4-Trichlorobenzene	180	10.450	10.456	(1.125)	187181	43.4971	43.5	
94 Hexachlorobutadiene	225	10.550	10.550	(1.136)	112912	53.1720	53.2	
95 Naphthalene	128	10.603	10.603	(1.142)	504294	51.9707	52.0	
96 1,2,3-Trichlorobenzene	180	10.750	10.750	(1.158)	178182	45.9499	45.9	
97 2,methyl-naphthalene	142	11.297	11.298	(1.217)	259850	53.3248	53.3	
98 1-Methylnaphthalene	142	11.415	11.415	(2.208)	252818	52.0059	52.0 (Q)	
99 n-amyl acetate	70	1.057	1.063	(0.205)	617		(Q)	
100 isopropyl acetate	61	1.227	1.228	(0.238)	40660			

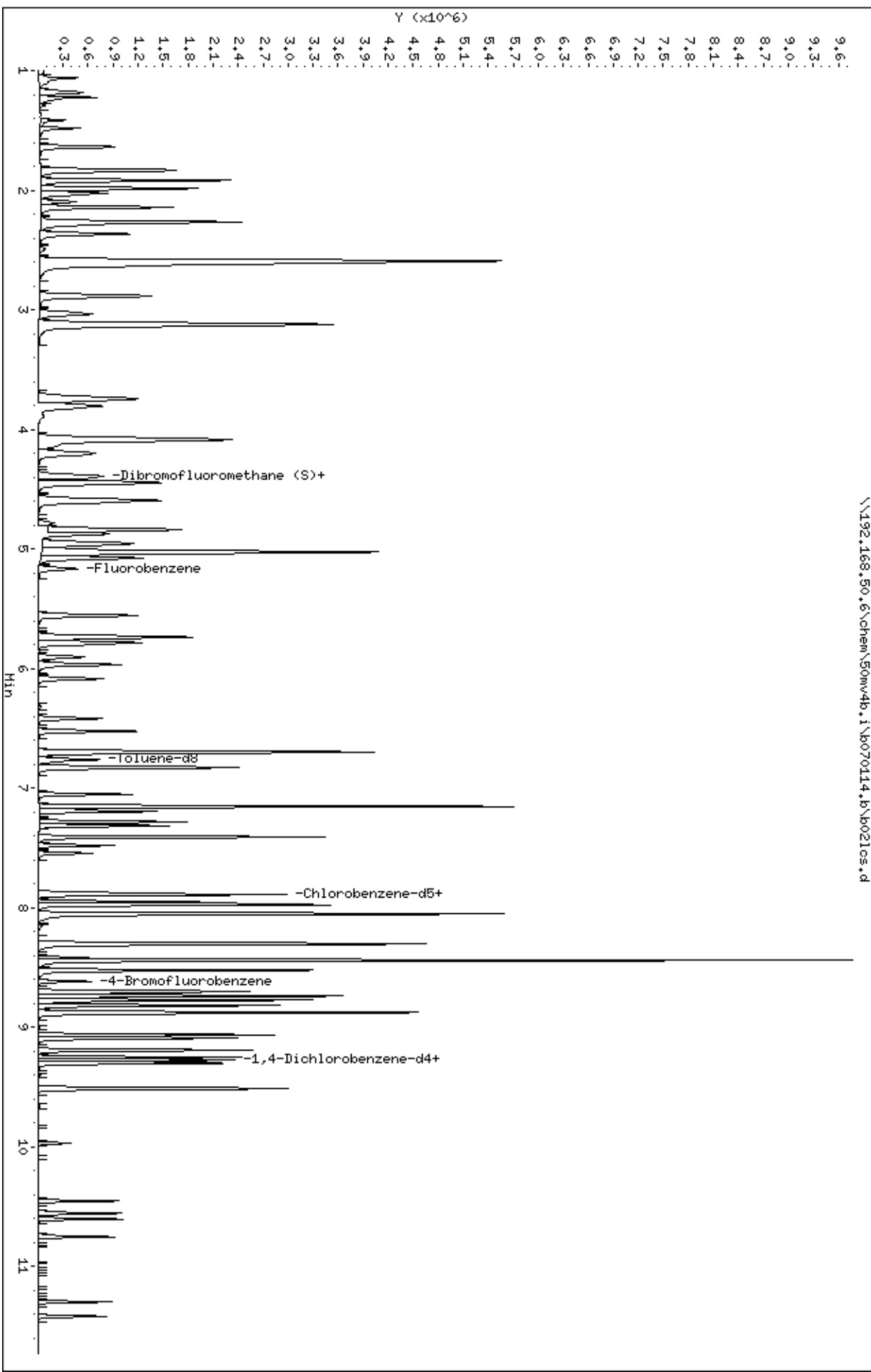
QC Flag Legend

- Q - Qualifier signal failed the ratio test.
- R - Spike/Surrogate failed recovery limits.

Data File: \\192.168.50.6\chem\50mw4b.i\B070114.B\B021cs.d
Date: 01-JUL-2014 12:28
Client ID: 1121307
Sample Info: 1121307,71262:5
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50mw4b.i
Operator: rsu
Column diameter: 0.18

\\192.168.50.6\chem\50mw4b.i\B070114.B\B021cs.d



Date : 01-JUL-2014 12:28

Client ID: 1121307

Instrument: 50mv4b.i

Sample Info: 1121307,71262;5

Purge Volume: 5.0

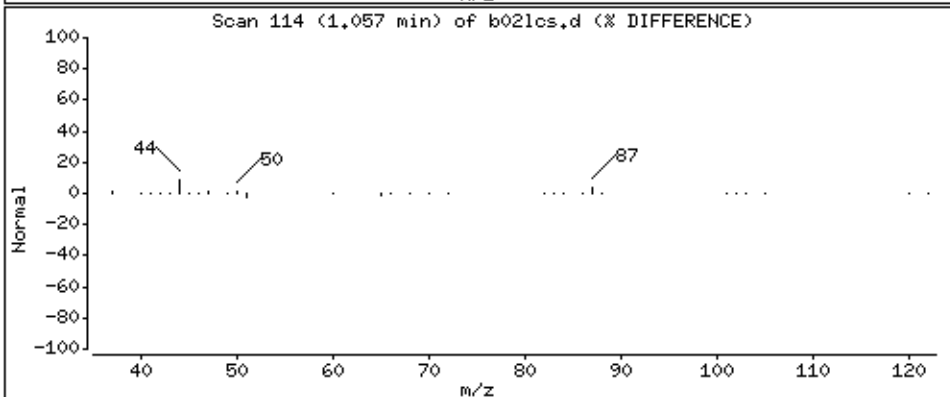
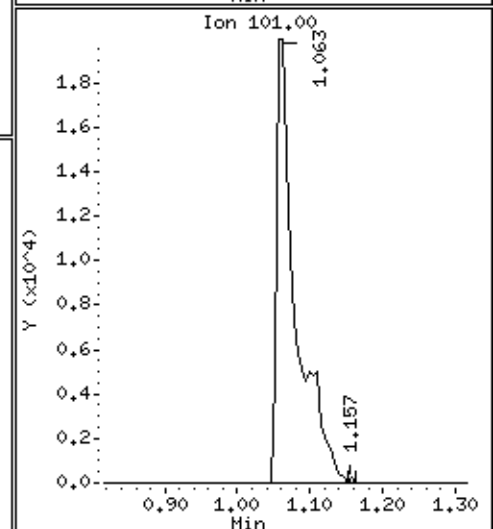
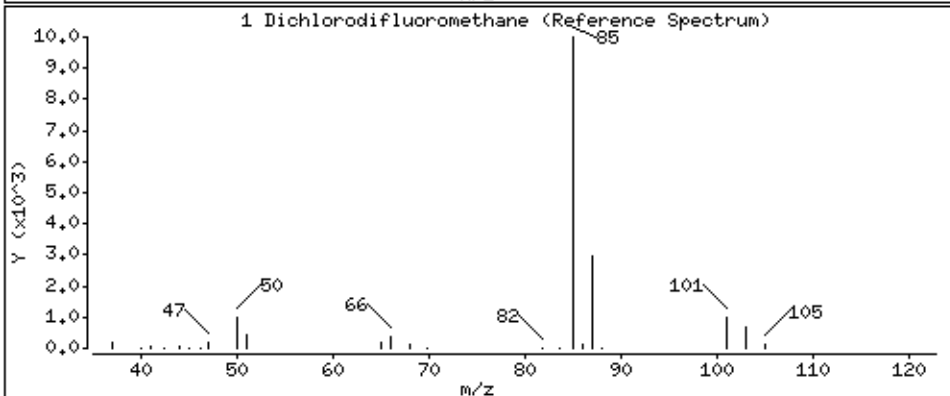
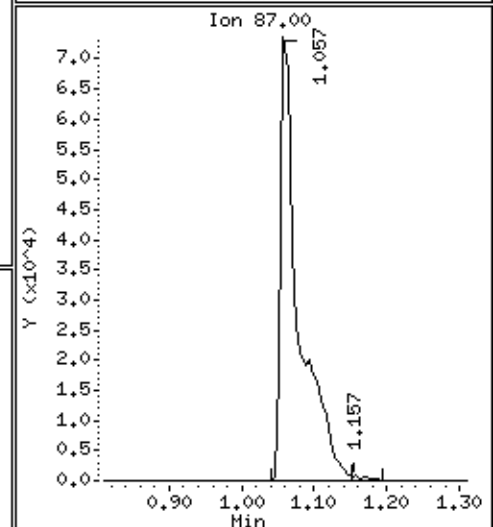
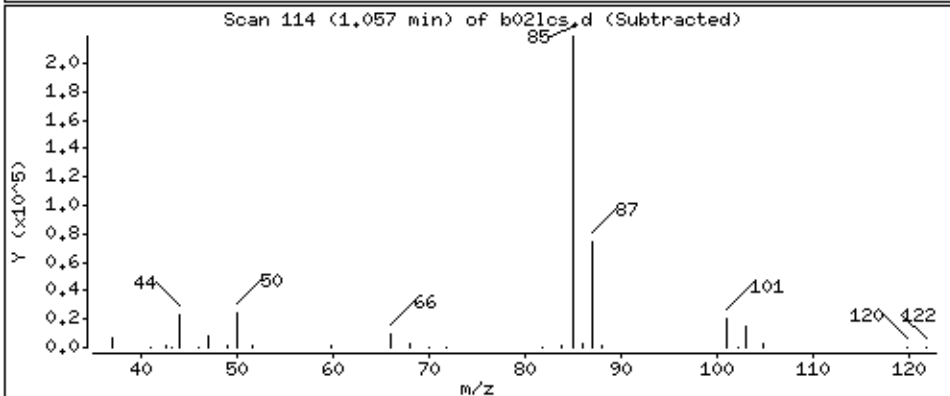
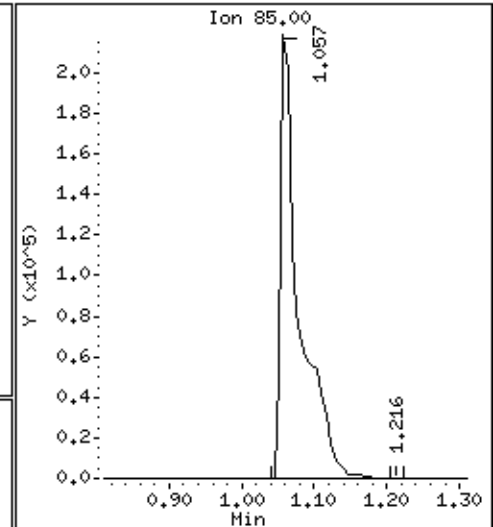
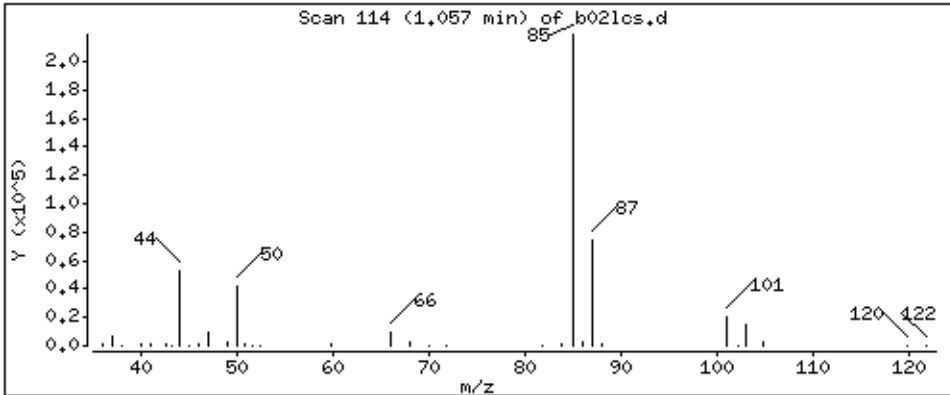
Operator: rsw

Column phase: DB-624

Column diameter: 0,18

1 Dichlorodifluoromethane

Concentration: 54,5 ppb



Date : 01-JUL-2014 12:28

Client ID: 1121307

Instrument: 50mv4b.i

Sample Info: 1121307,71262;5

Purge Volume: 5.0

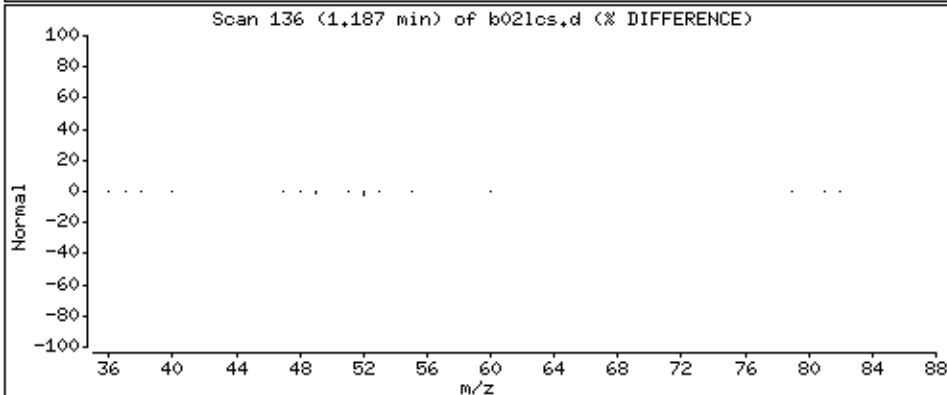
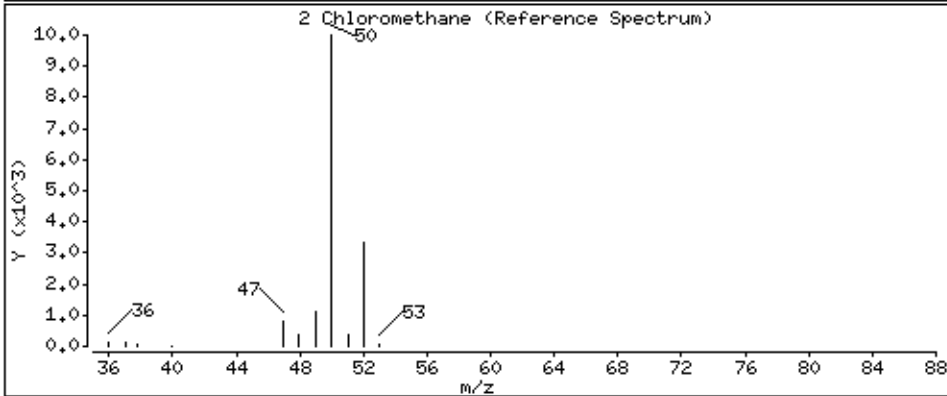
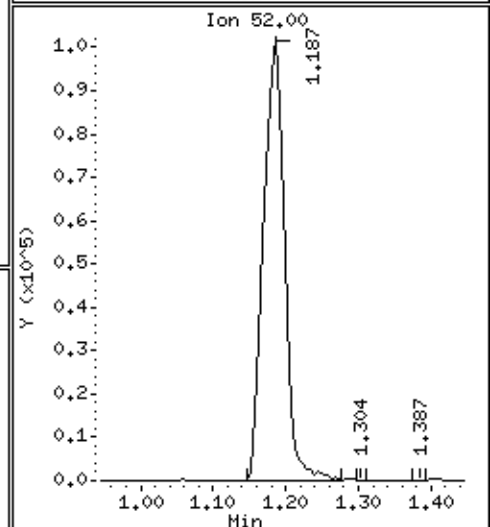
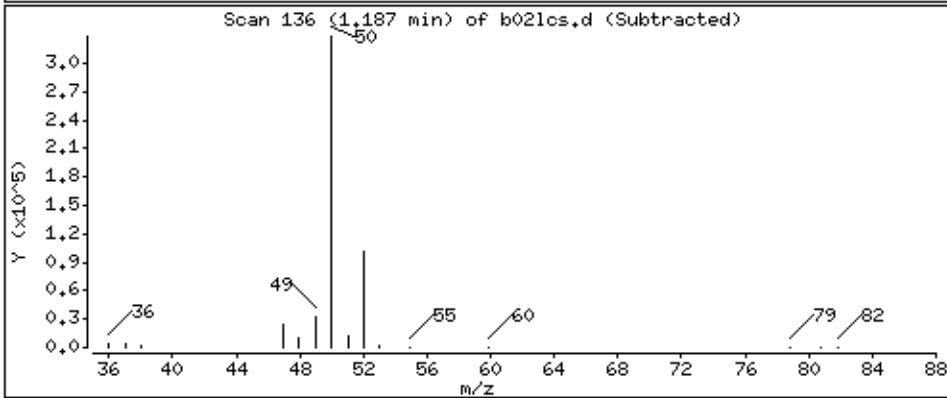
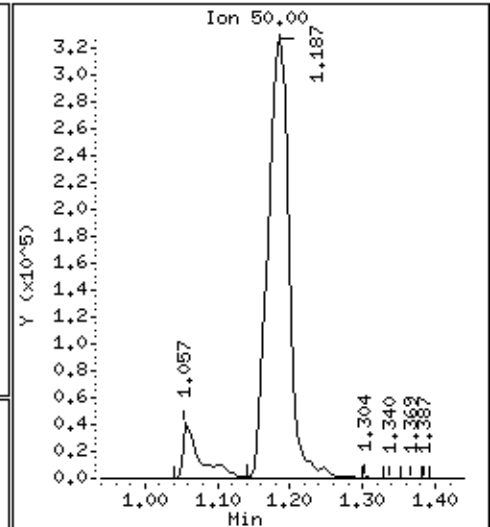
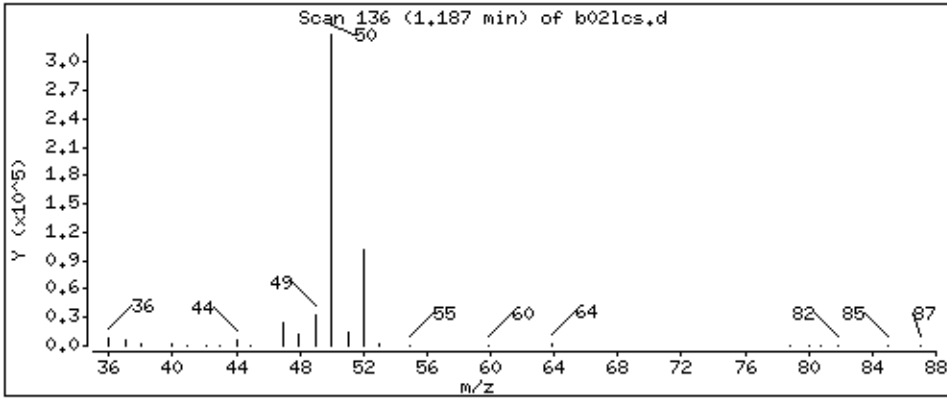
Operator: rsw

Column phase: DB-624

Column diameter: 0,18

2 Chloromethane

Concentration: 50,2 ppb



Date : 01-JUL-2014 12:28

Client ID: 1121307

Instrument: 50mv4b.i

Sample Info: 1121307,71262;5

Purge Volume: 5.0

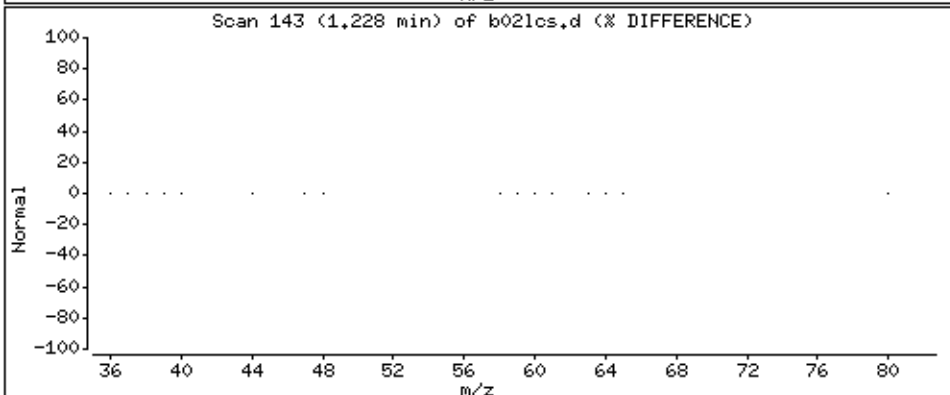
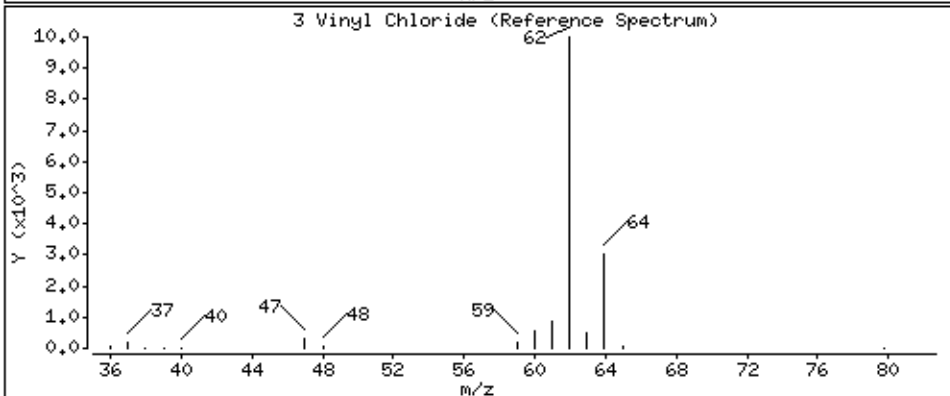
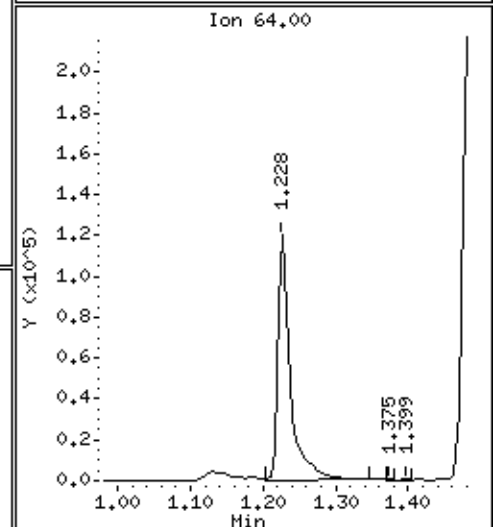
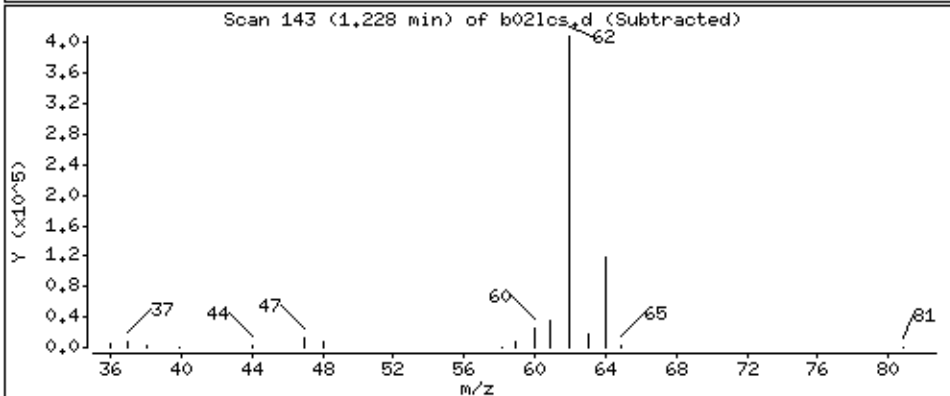
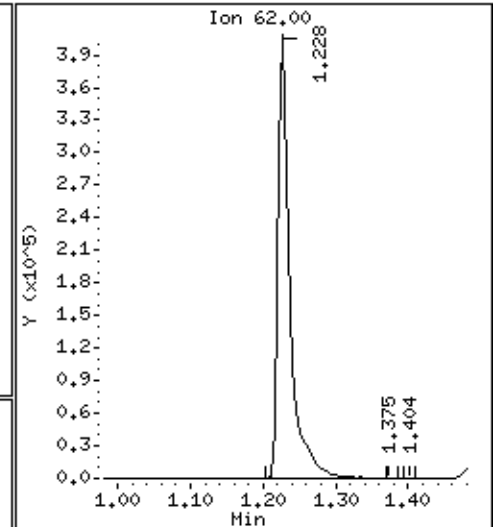
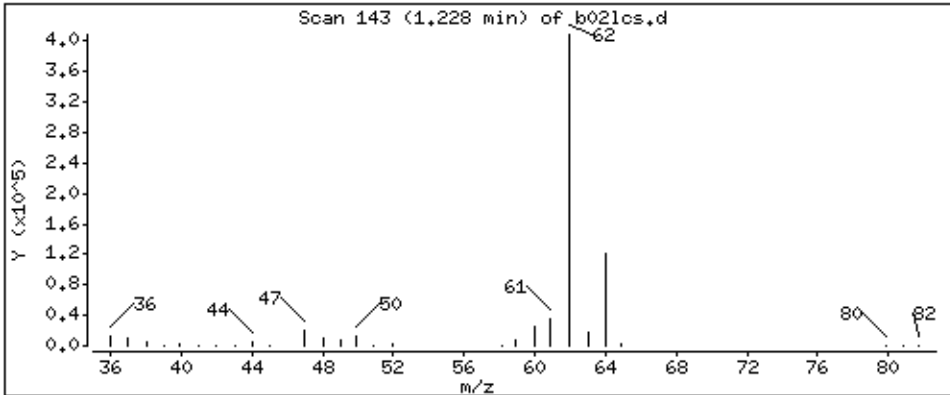
Operator: rsw

Column phase: DB-624

Column diameter: 0,18

3 Vinyl Chloride

Concentration: 52.0 ppb



Date : 01-JUL-2014 12:28

Client ID: 1121307

Instrument: 50mv4b.i

Sample Info: 1121307,71262;5

Purge Volume: 5.0

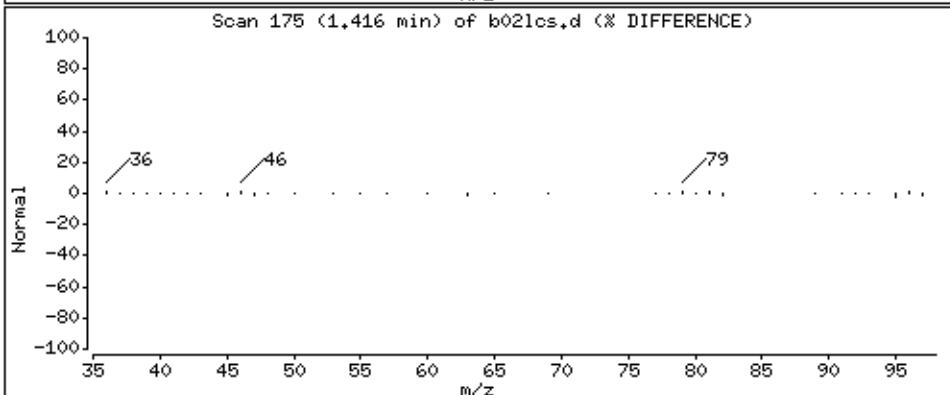
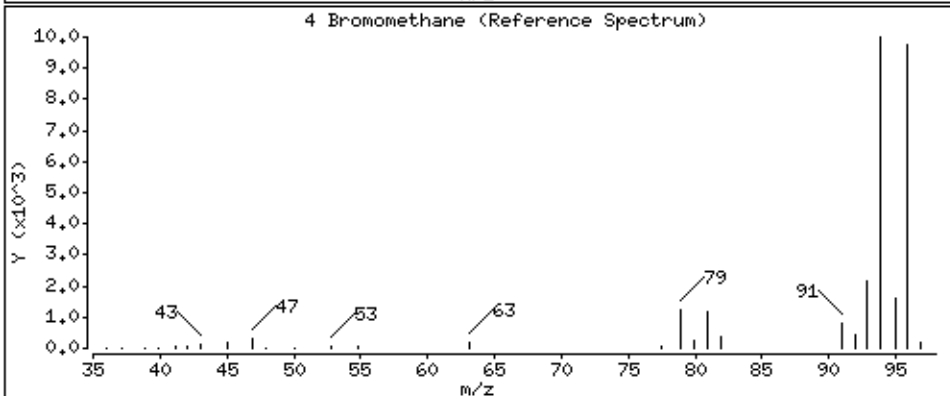
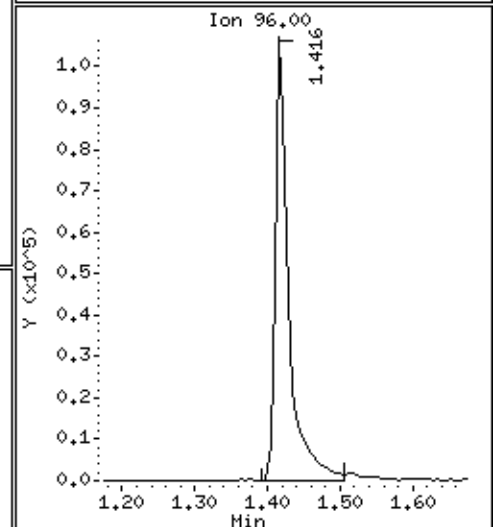
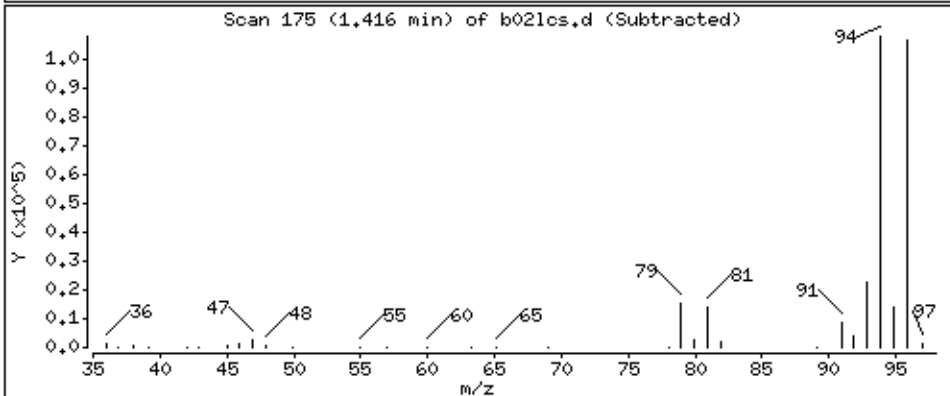
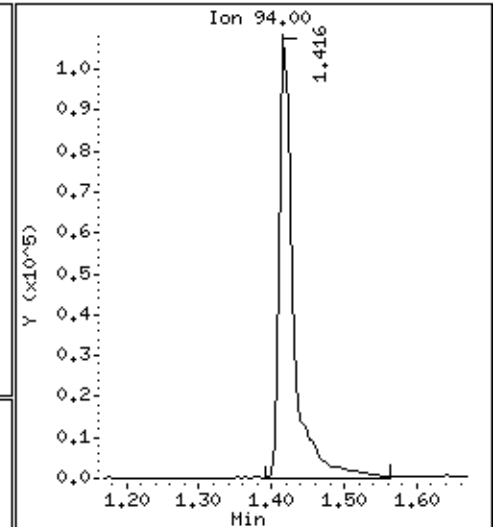
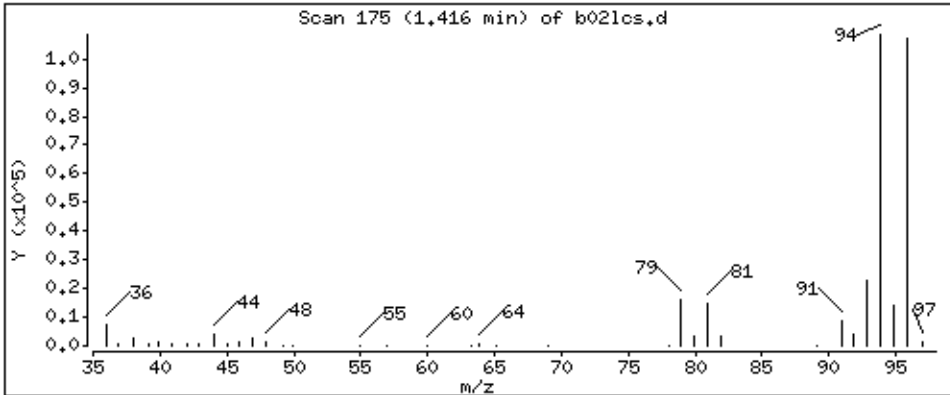
Operator: rsw

Column phase: DB-624

Column diameter: 0,18

4 Bromomethane

Concentration: 79.9 ppb



Date : 01-JUL-2014 12:28

Client ID: 1121307

Instrument: 50mv4b.i

Sample Info: 1121307,71262;5

Purge Volume: 5.0

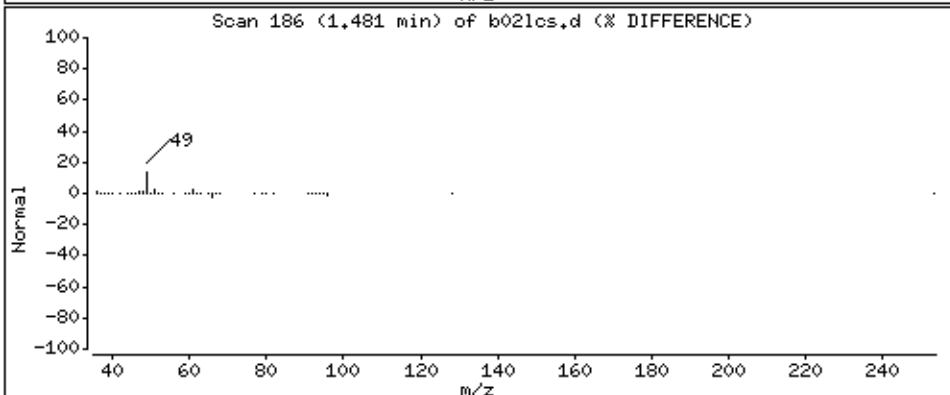
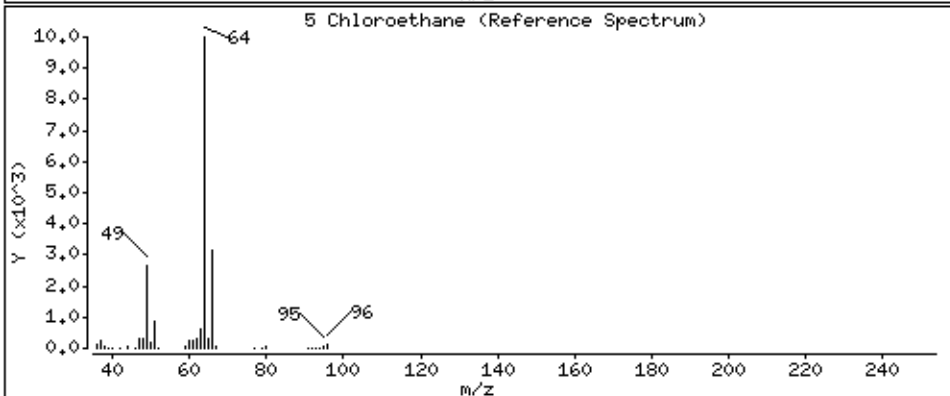
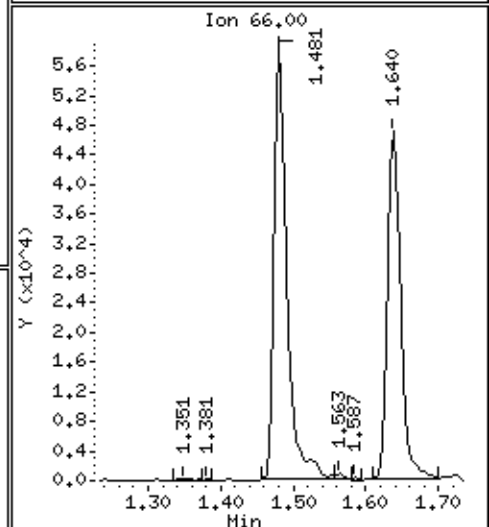
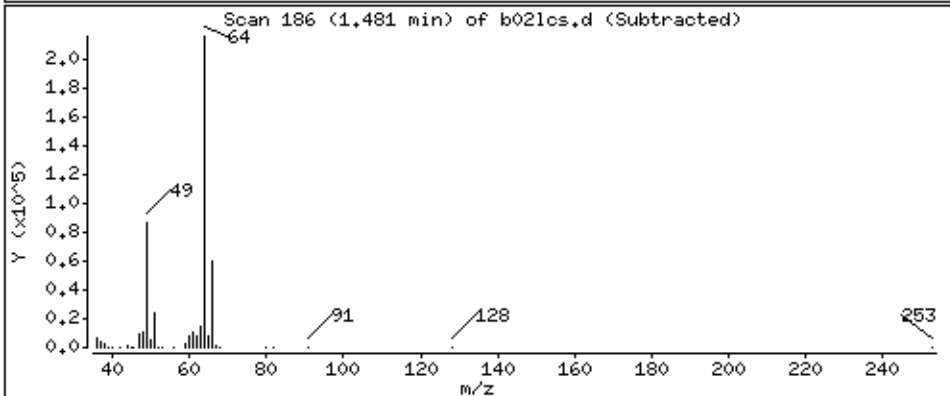
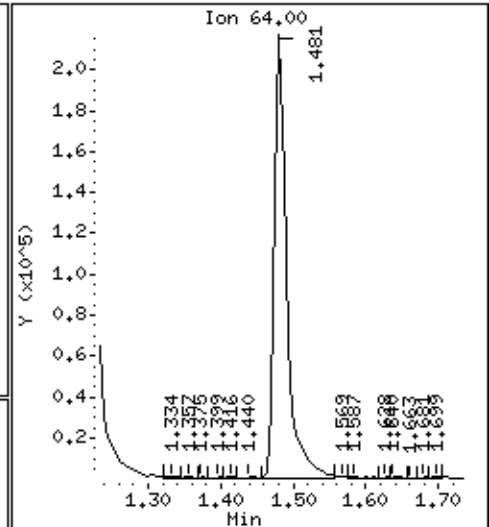
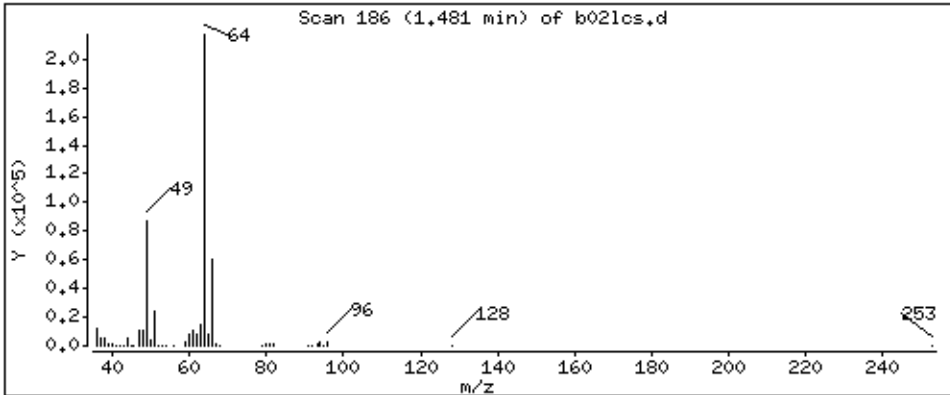
Operator: rsw

Column phase: DB-624

Column diameter: 0,18

5 Chloroethane

Concentration: 46,0 ppb



Date : 01-JUL-2014 12:28

Client ID: 1121307

Instrument: 50mv4b.i

Sample Info: 1121307,71262;5

Purge Volume: 5.0

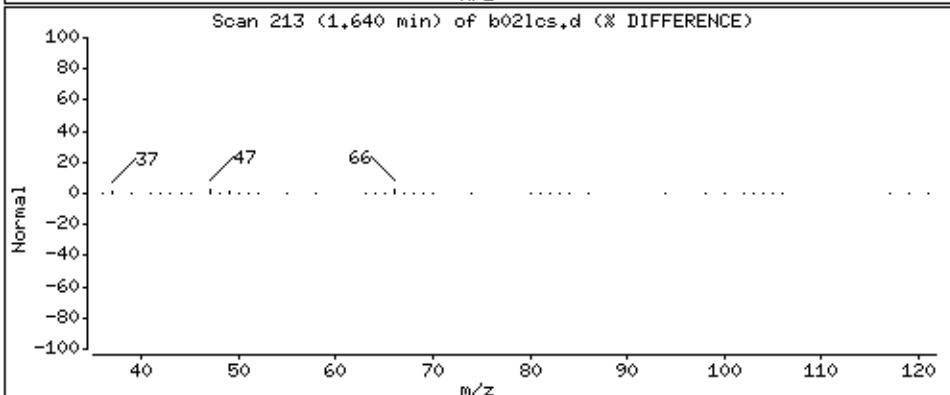
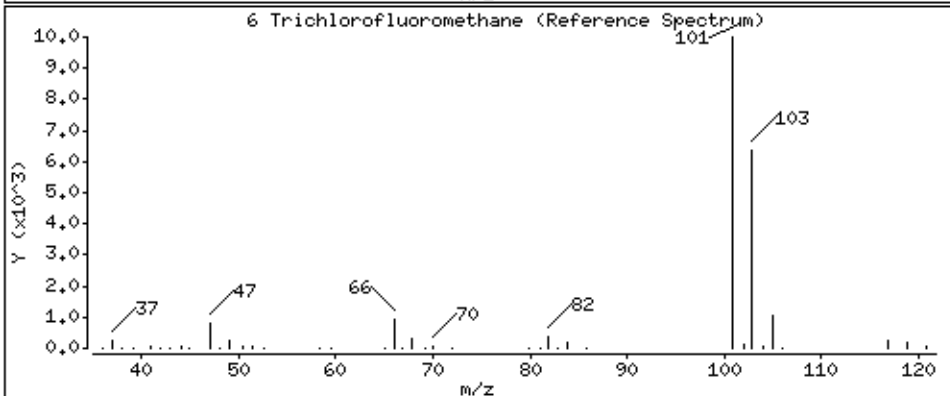
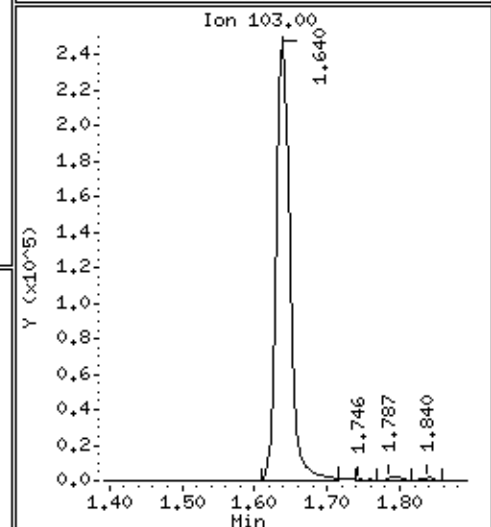
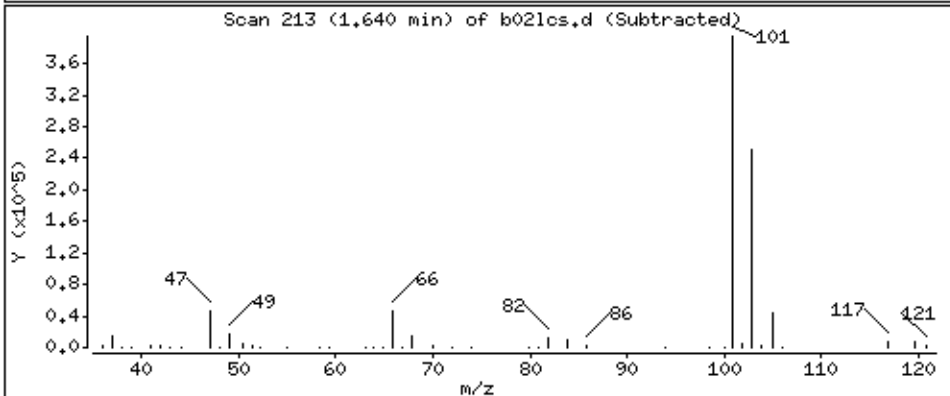
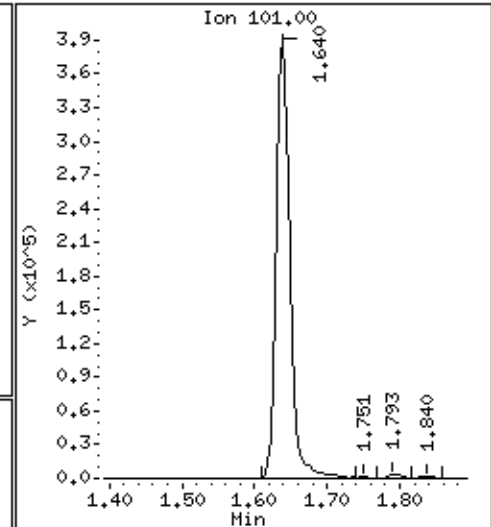
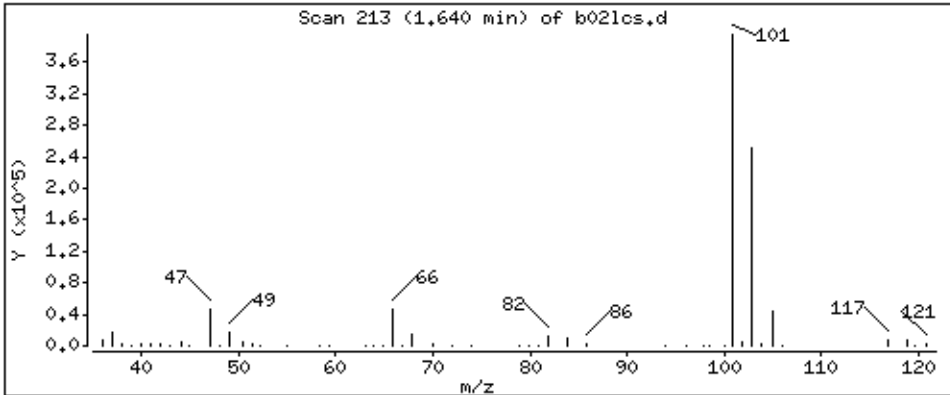
Operator: rsw

Column phase: DB-624

Column diameter: 0,18

6 Trichlorofluoromethane

Concentration: 49.9 ppb



Date : 01-JUL-2014 12:28

Client ID: 1121307

Instrument: 50mv4b.i

Sample Info: 1121307,71262;5

Purge Volume: 5.0

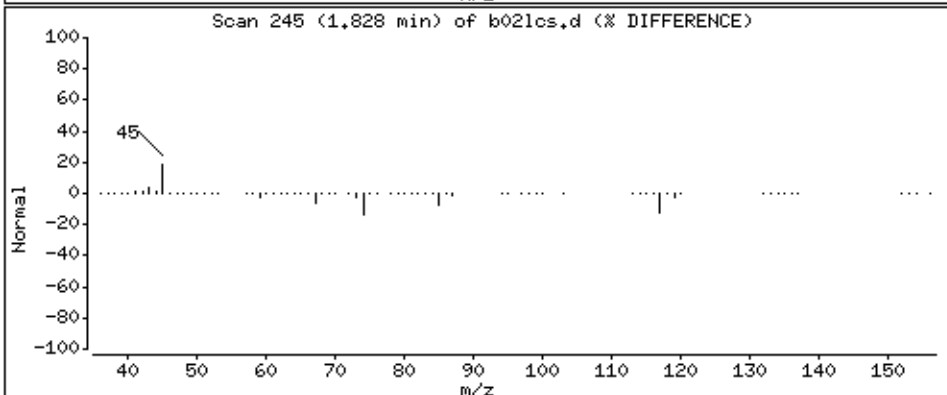
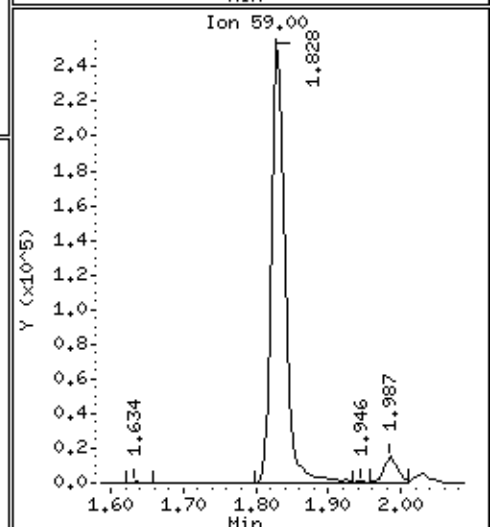
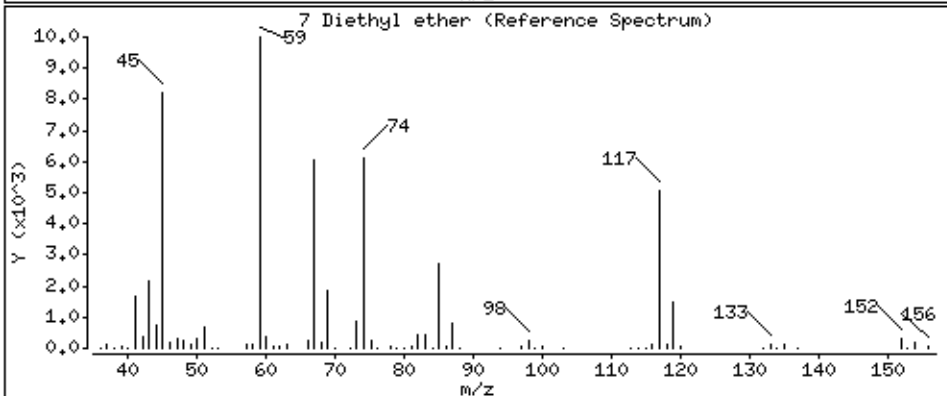
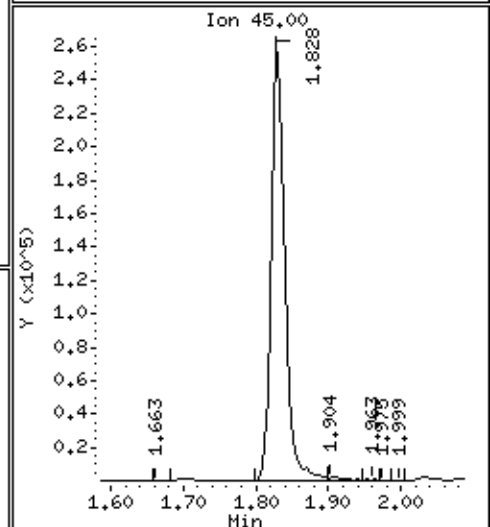
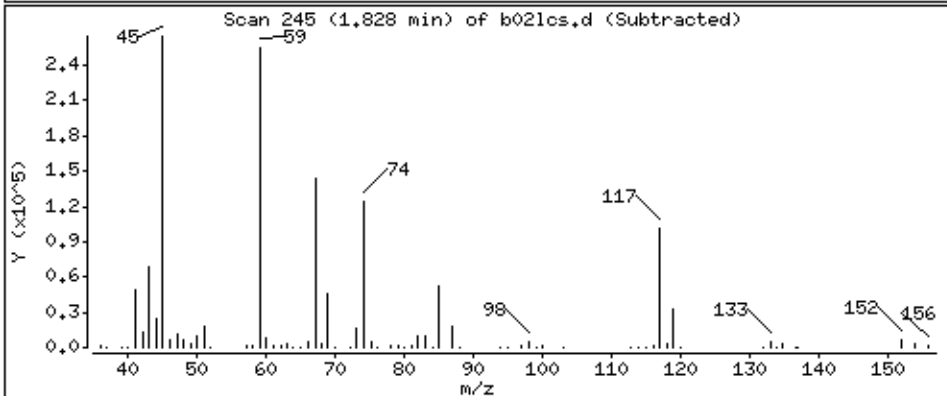
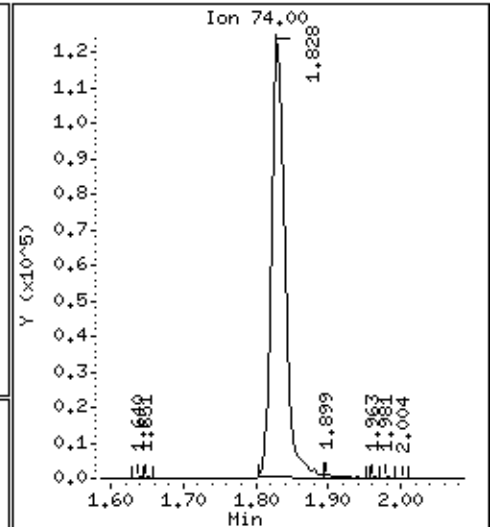
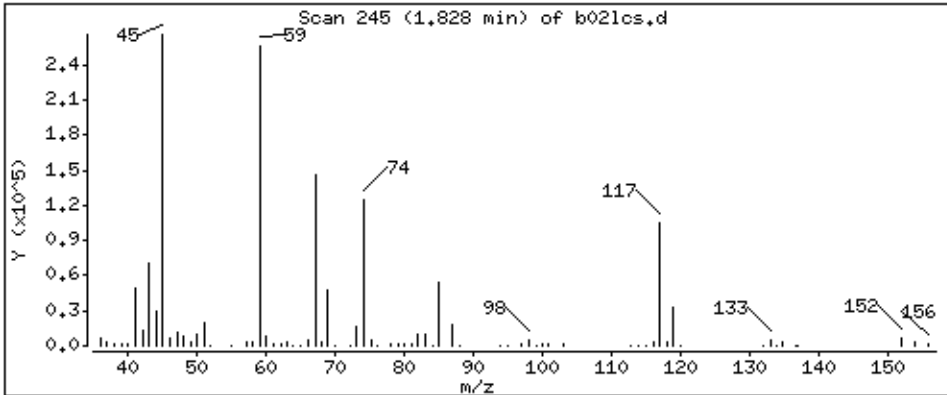
Operator: rsw

Column phase: DB-624

Column diameter: 0,18

7 Diethyl ether

Concentration: 52.8 ppb



Date : 01-JUL-2014 12:28

Client ID: 1121307

Instrument: 50mv4b.i

Sample Info: 1121307,71262;5

Purge Volume: 5.0

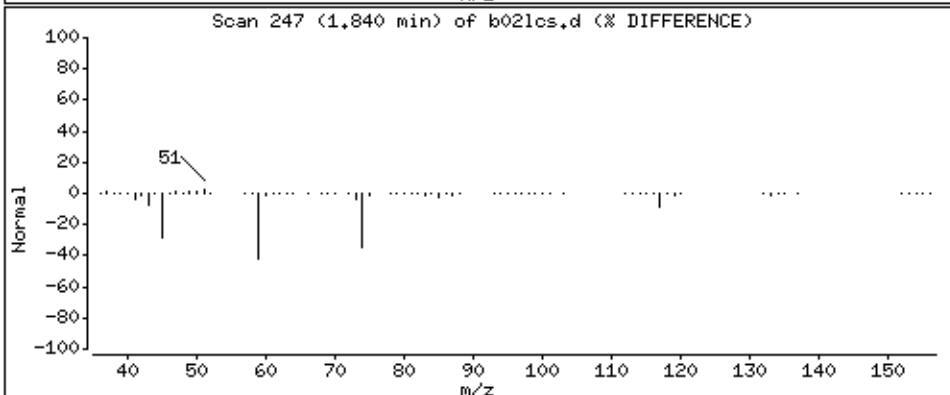
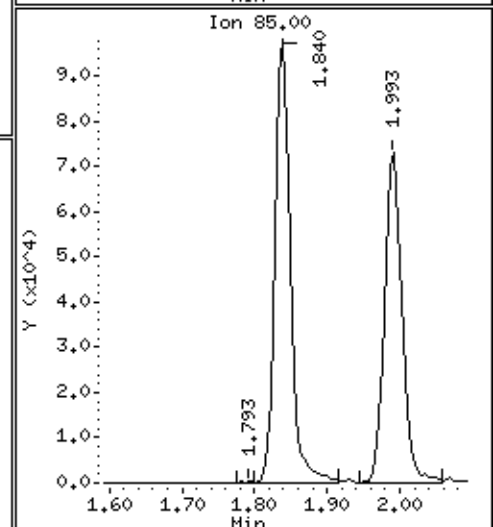
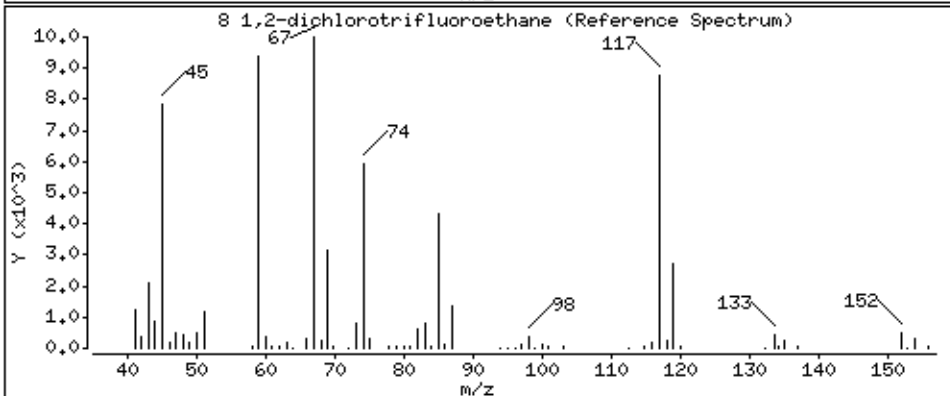
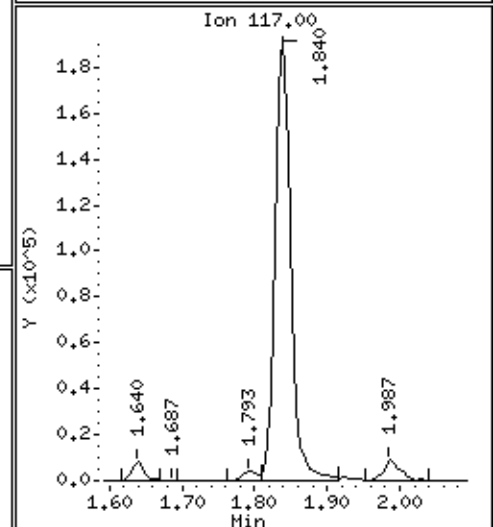
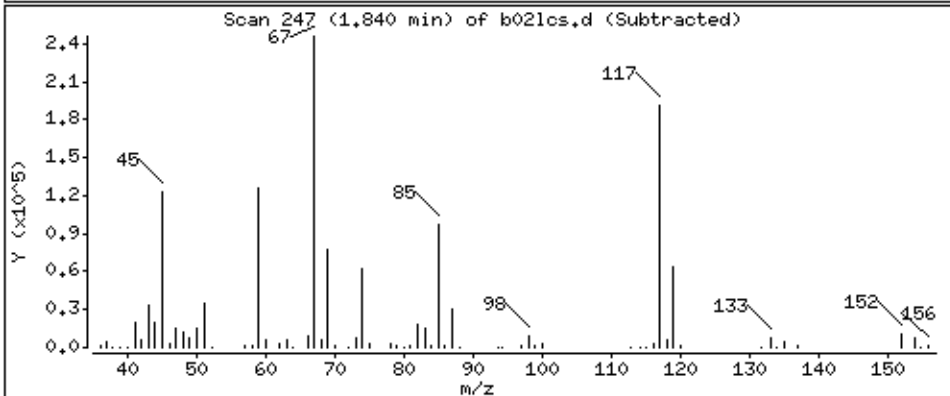
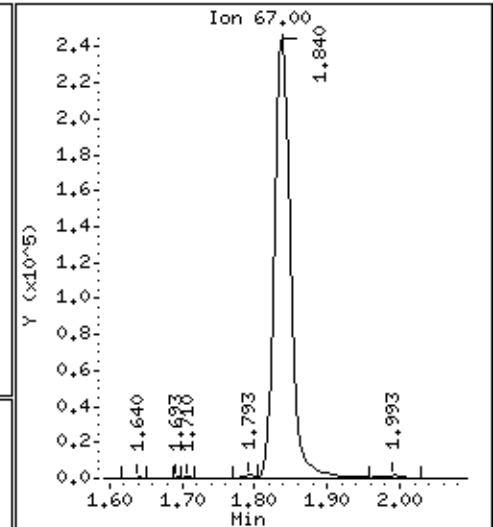
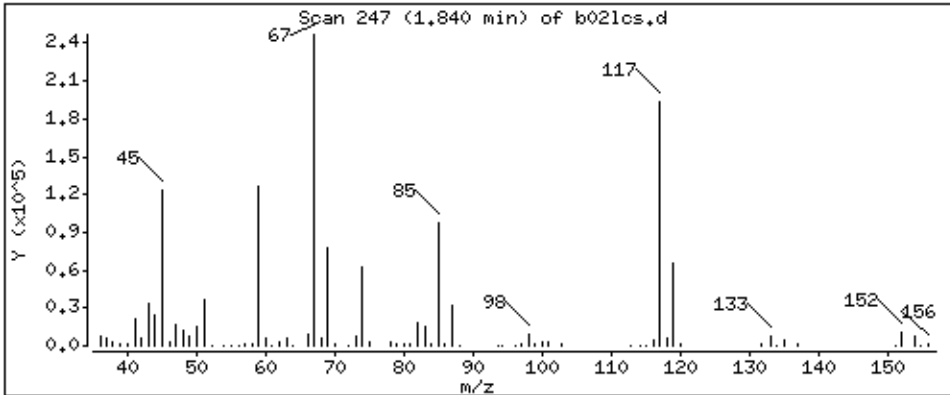
Operator: rsw

Column phase: DB-624

Column diameter: 0,18

8 1,2-dichlorotrifluoroethane

Concentration: 48,7 ppb



Date : 01-JUL-2014 12:28

Client ID: 1121307

Instrument: 50mv4b.i

Sample Info: 1121307,71262;5

Purge Volume: 5.0

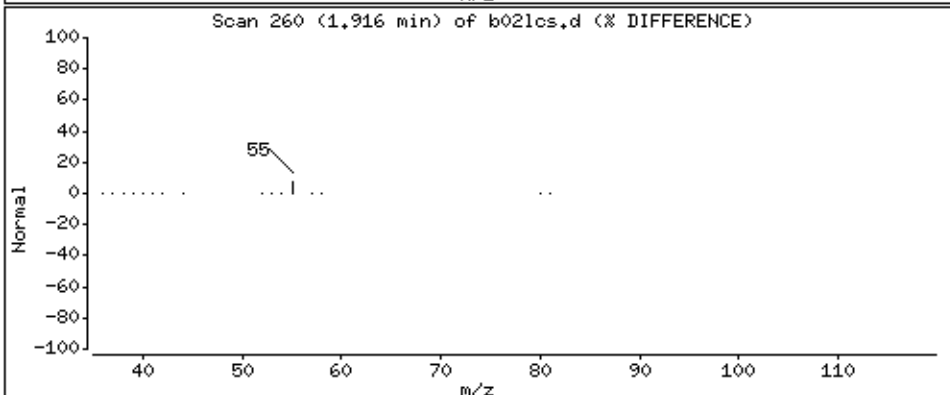
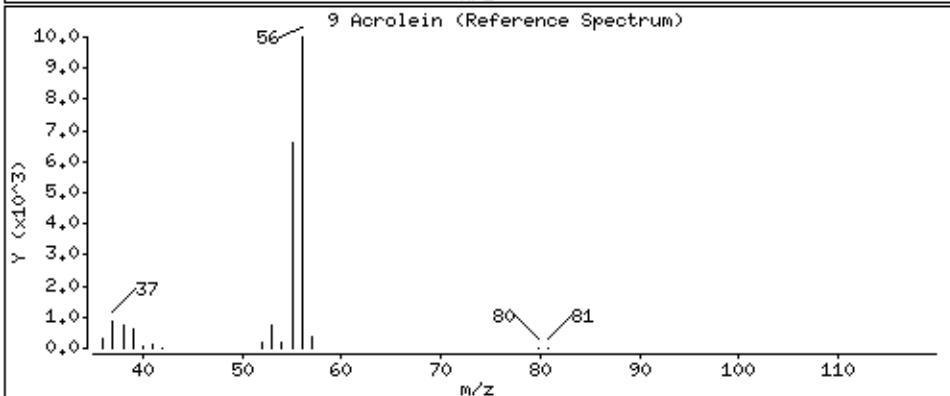
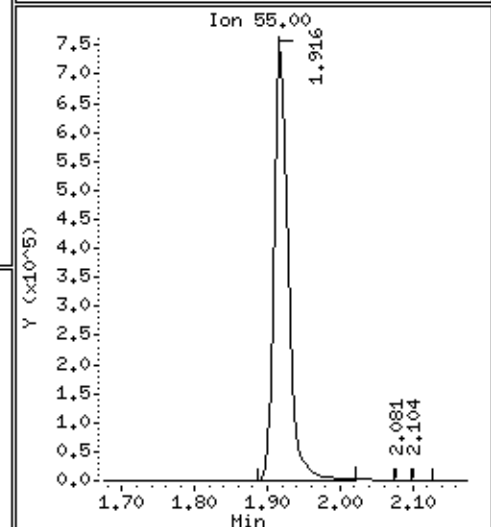
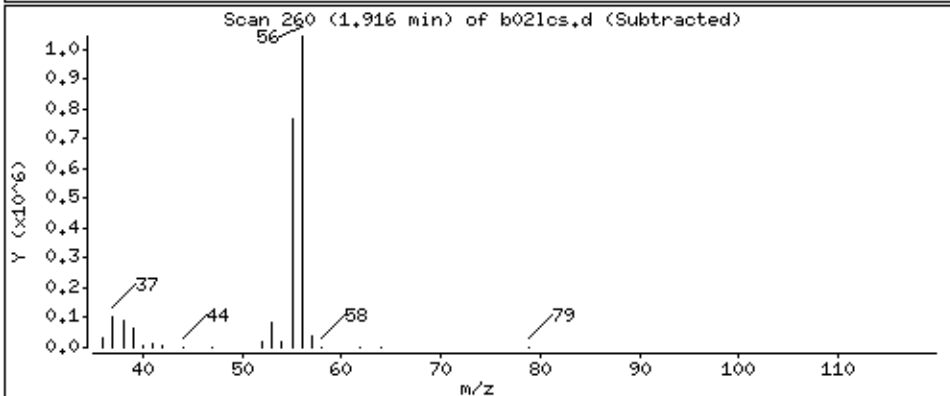
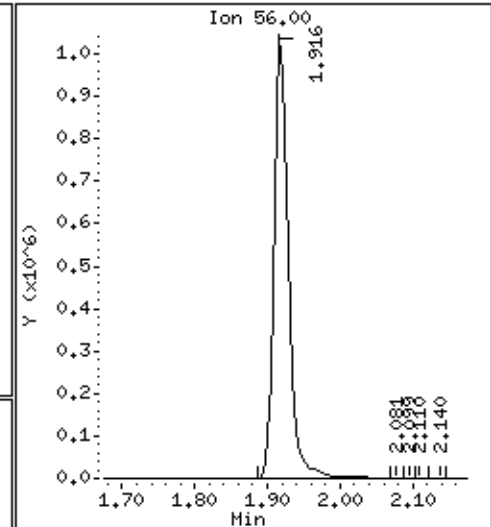
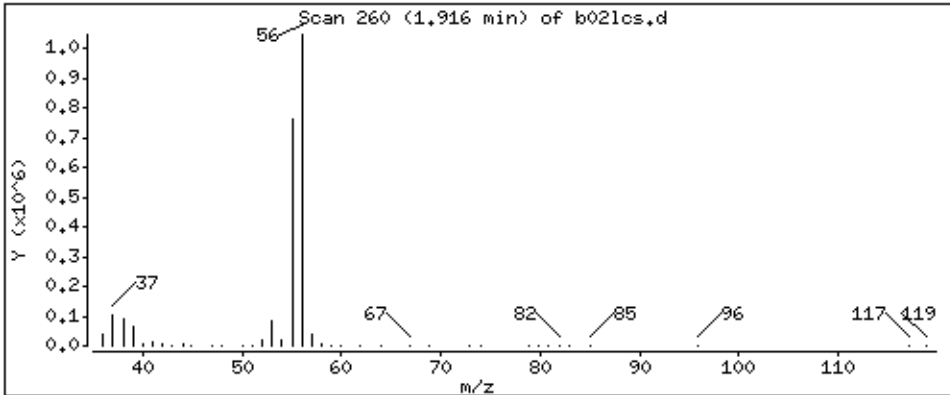
Operator: rsw

Column phase: DB-624

Column diameter: 0,18

9 Acrolein

Concentration: 979 ppb



Date : 01-JUL-2014 12:28

Client ID: 1121307

Instrument: 50mv4b.i

Sample Info: 1121307,71262;5

Purge Volume: 5.0

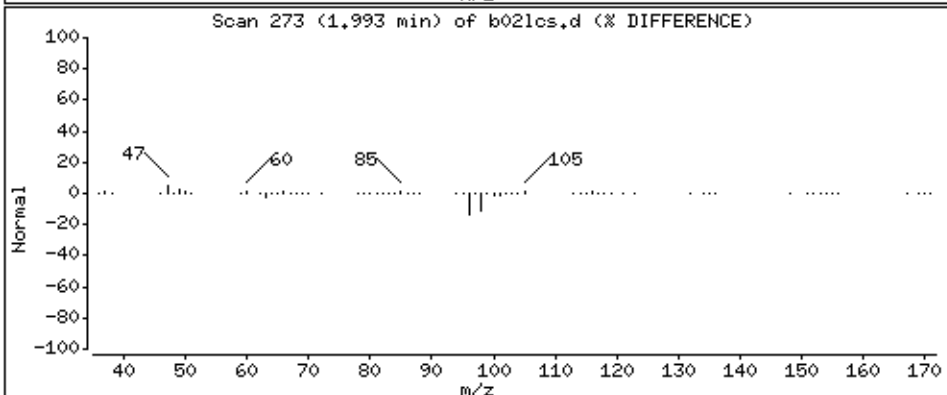
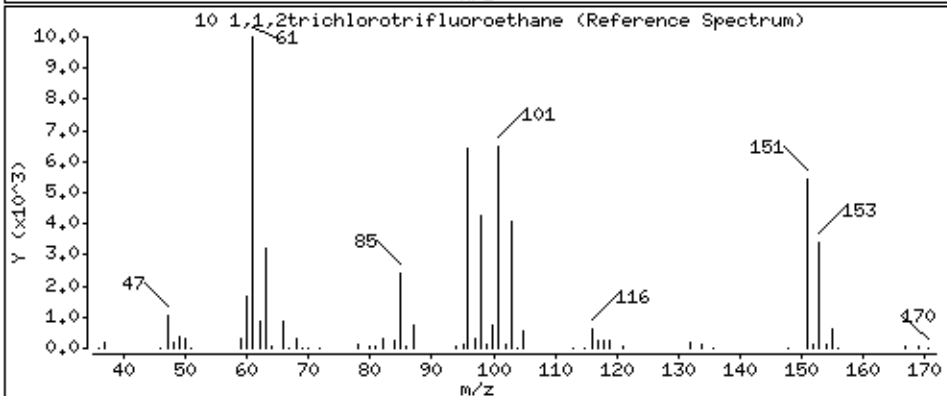
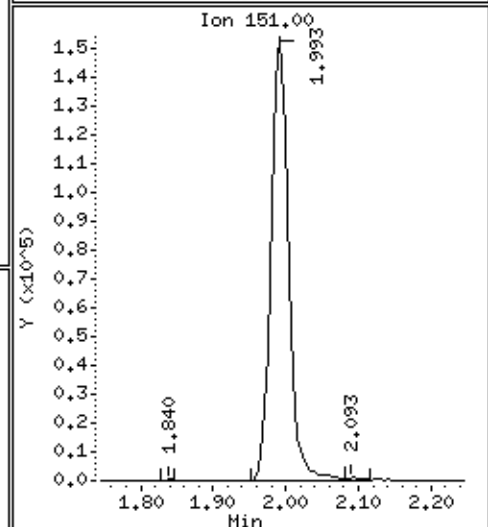
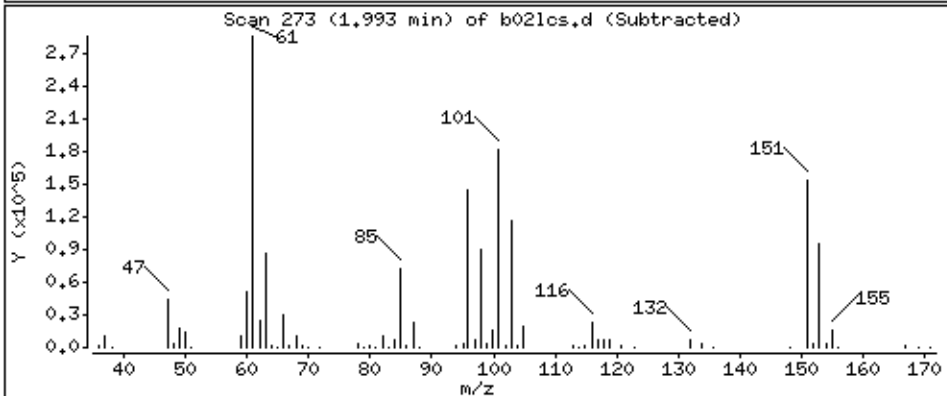
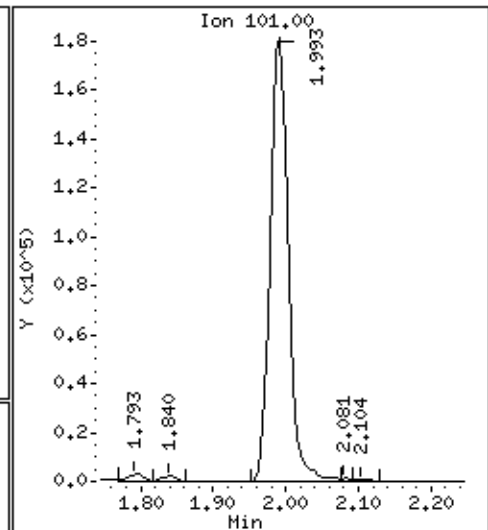
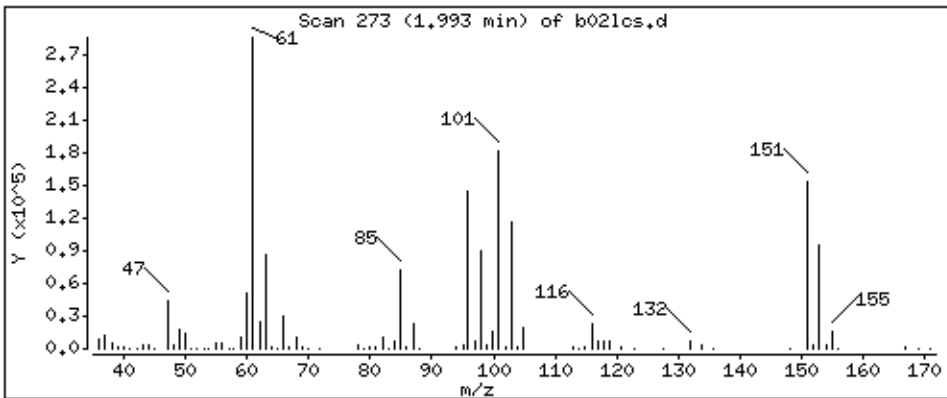
Operator: rsw

Column phase: DB-624

Column diameter: 0,18

10 1,1,2trichlorotrifluoroethane

Concentration: 52,6 ppb



Date : 01-JUL-2014 12:28

Client ID: 1121307

Instrument: 50mv4b.i

Sample Info: 1121307,71262;5

Purge Volume: 5.0

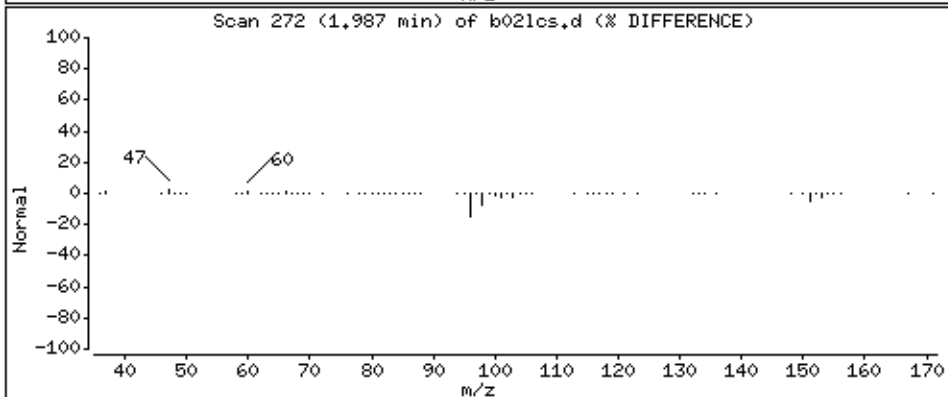
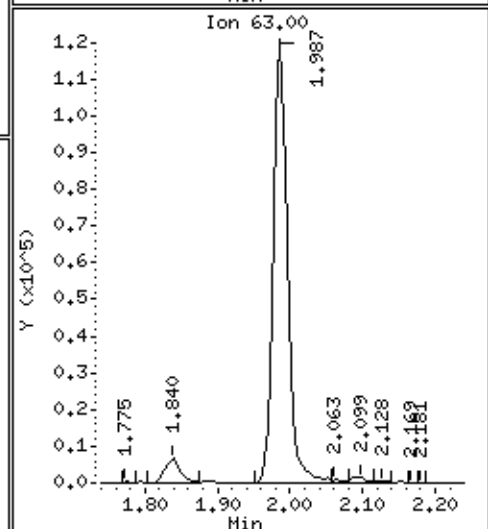
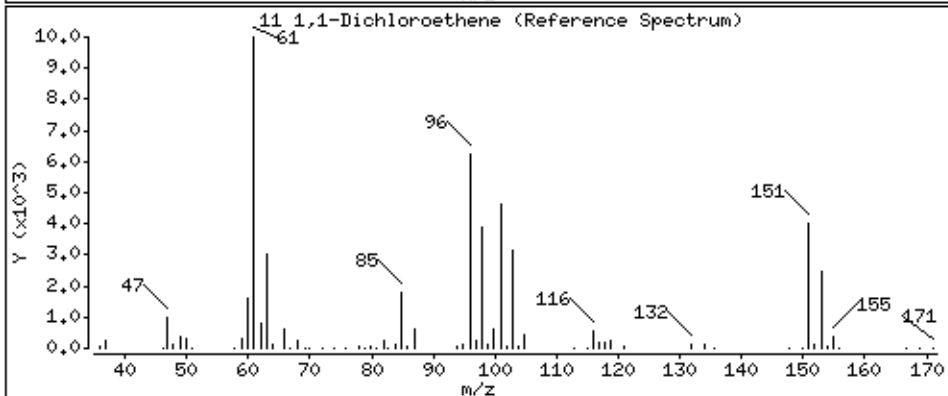
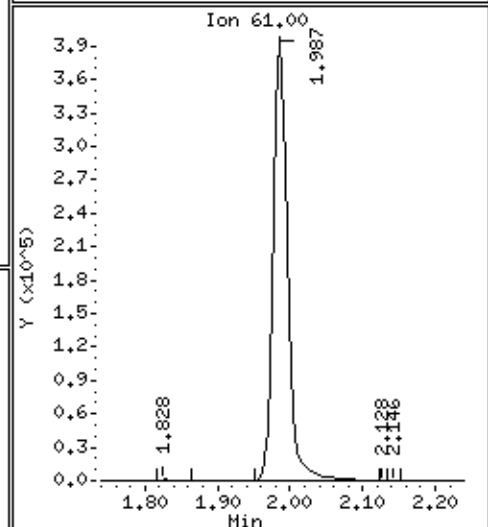
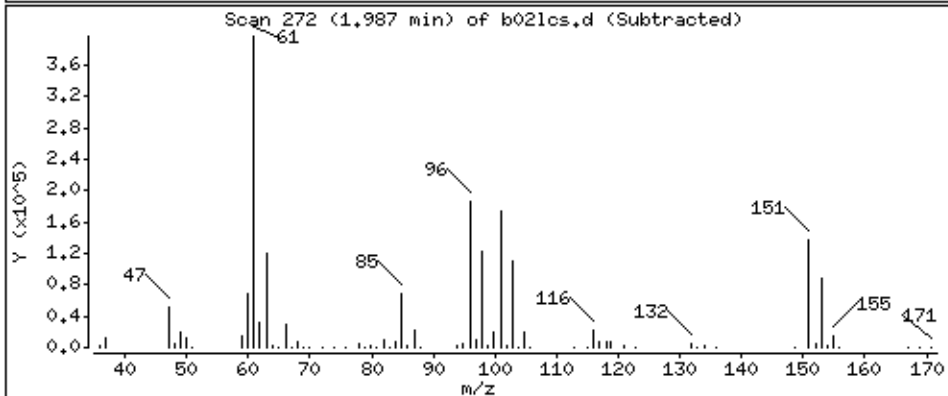
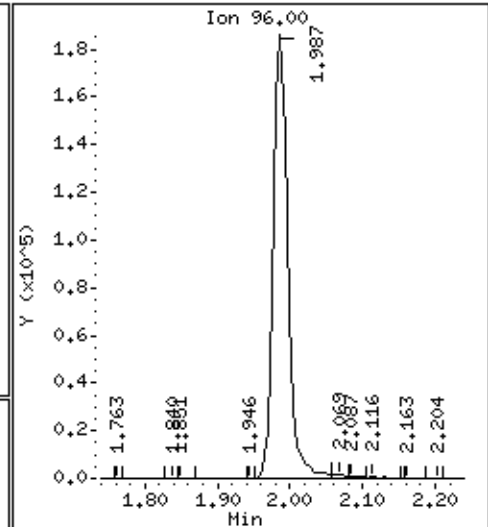
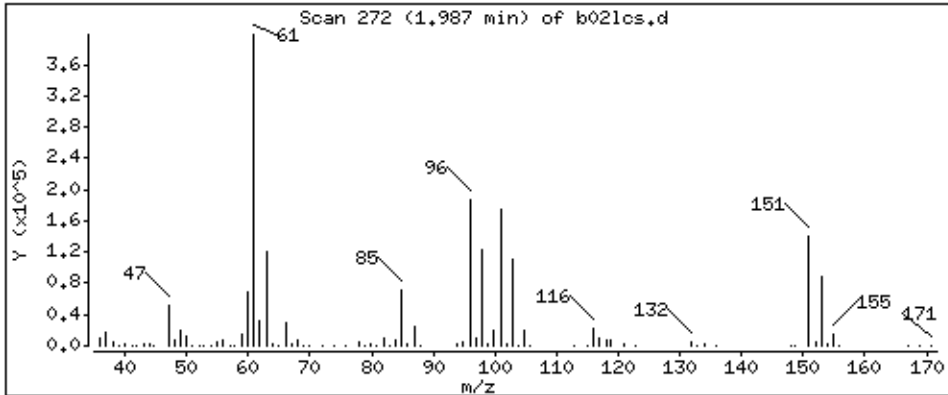
Operator: rsw

Column phase: DB-624

Column diameter: 0,18

11 1,1-Dichloroethene

Concentration: 49.2 ppb



Date : 01-JUL-2014 12:28

Client ID: 1121307

Instrument: 50mv4b.i

Sample Info: 1121307,71262;5

Purge Volume: 5.0

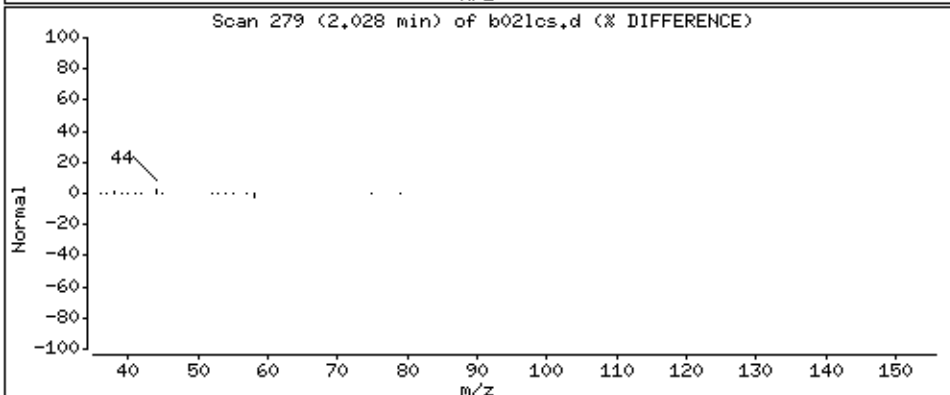
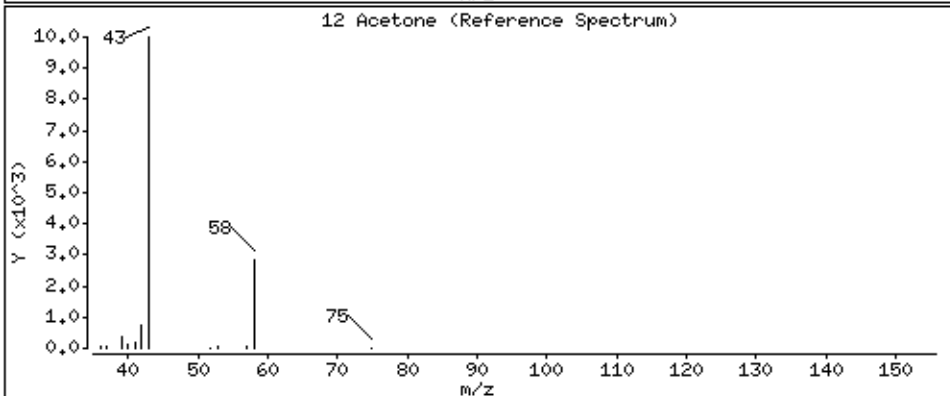
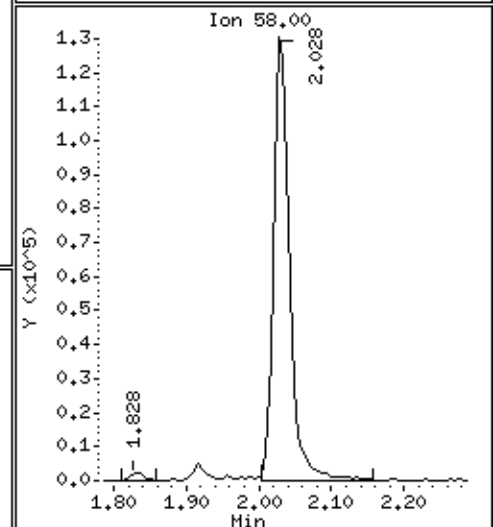
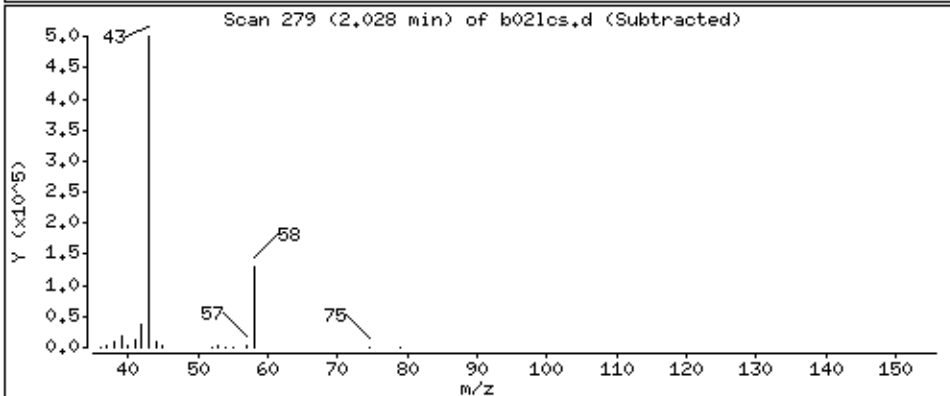
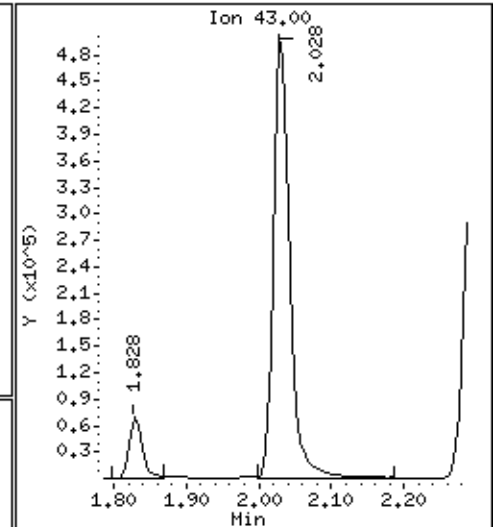
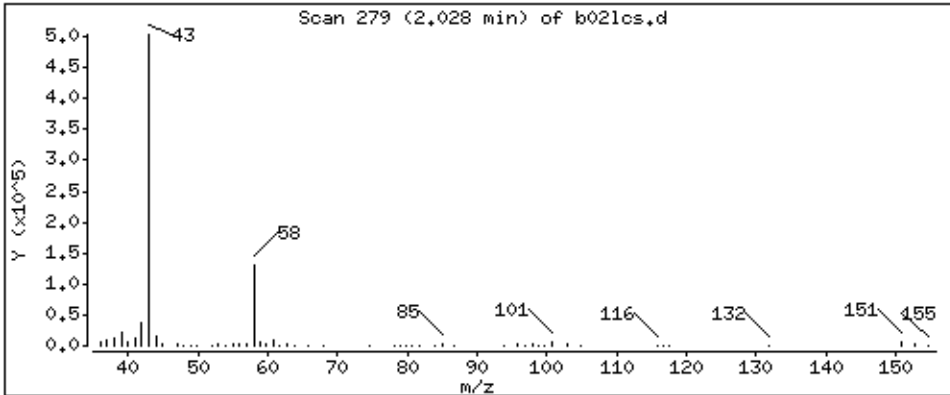
Operator: rsw

Column phase: DB-624

Column diameter: 0,18

12 Acetone

Concentration: 320 ppb



Date : 01-JUL-2014 12:28

Client ID: 1121307

Instrument: 50mv4b.i

Sample Info: 1121307,71262;5

Purge Volume: 5.0

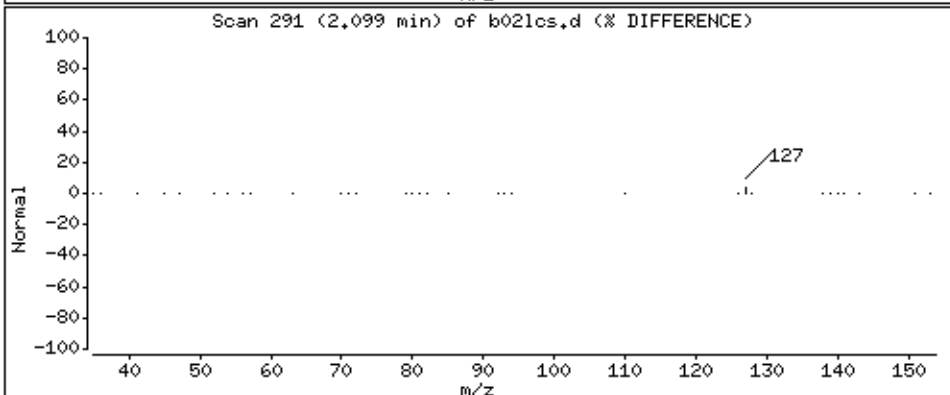
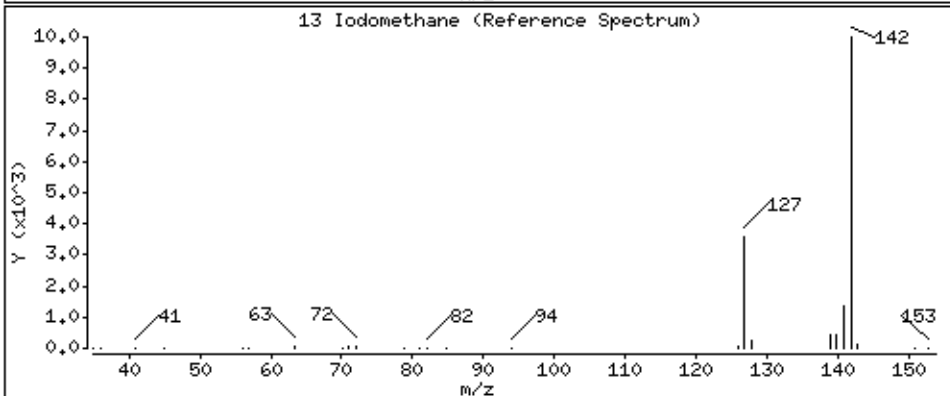
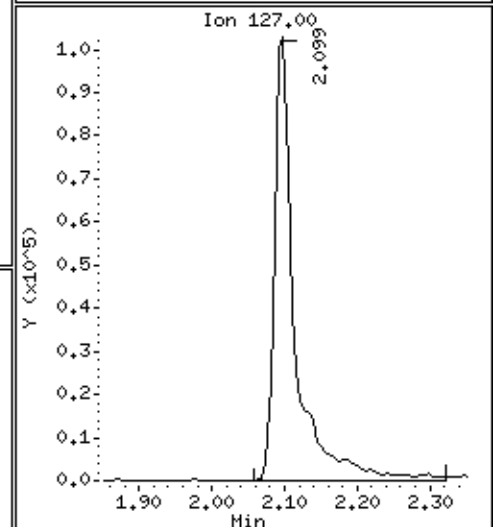
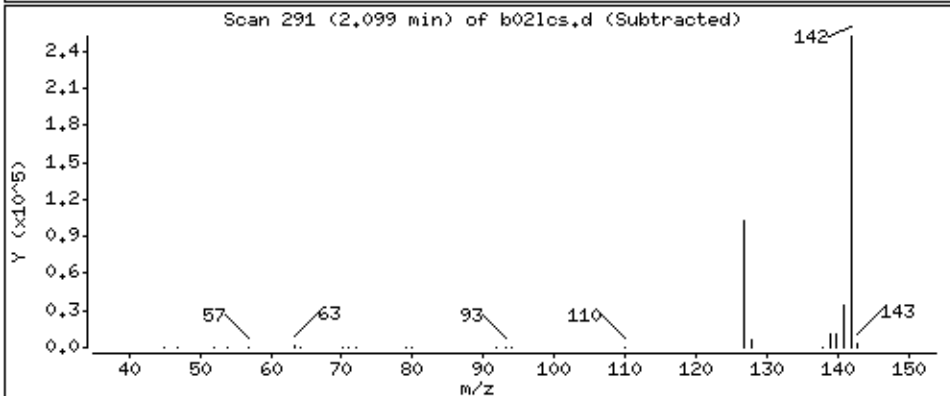
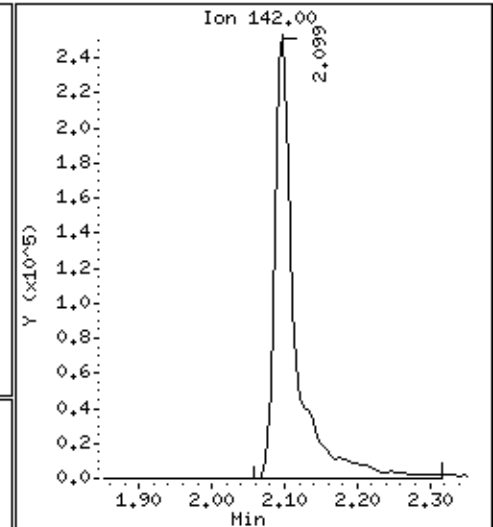
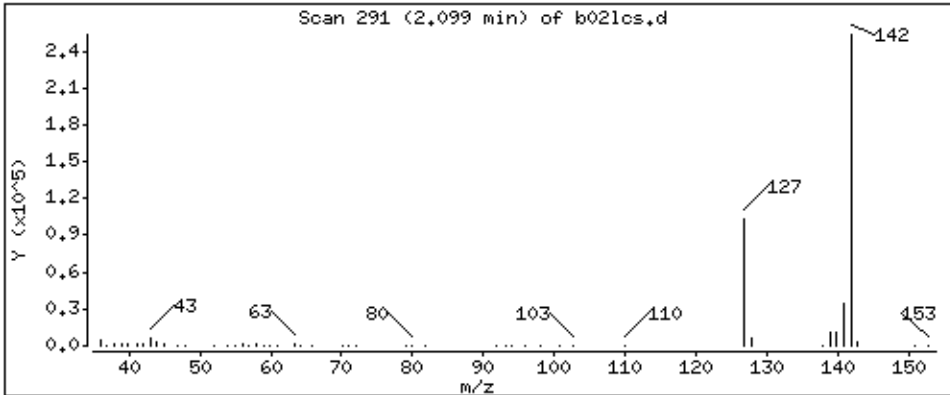
Operator: rsw

Column phase: DB-624

Column diameter: 0,18

13 Iodomethane

Concentration: 99,8 ppb



Date : 01-JUL-2014 12:28

Client ID: 1121307

Instrument: 50mv4b.i

Sample Info: 1121307,71262;5

Purge Volume: 5.0

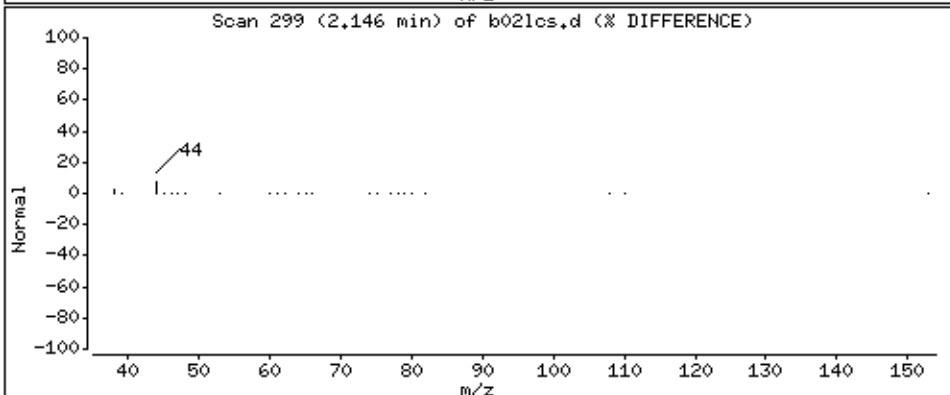
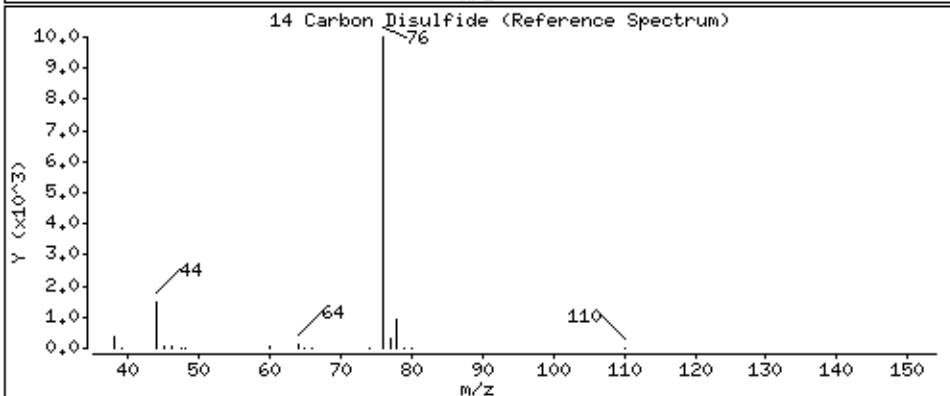
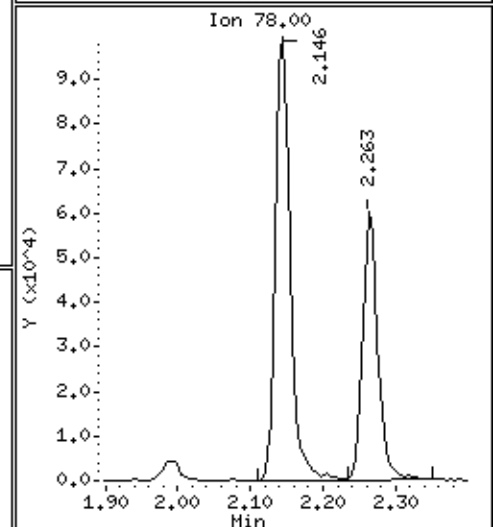
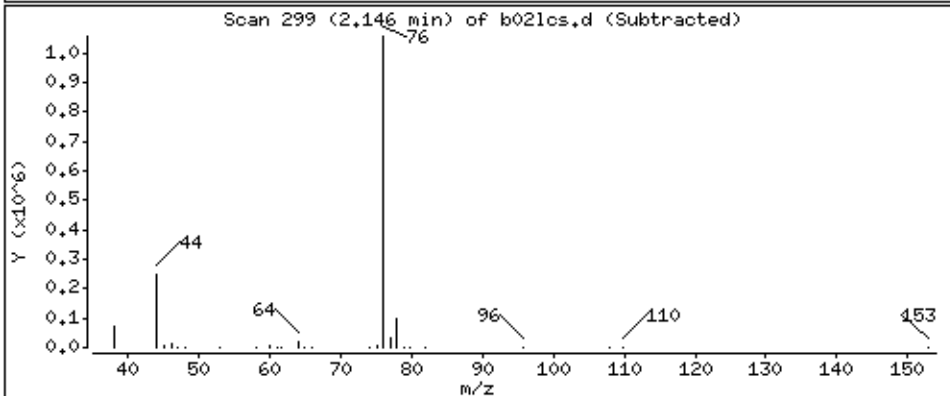
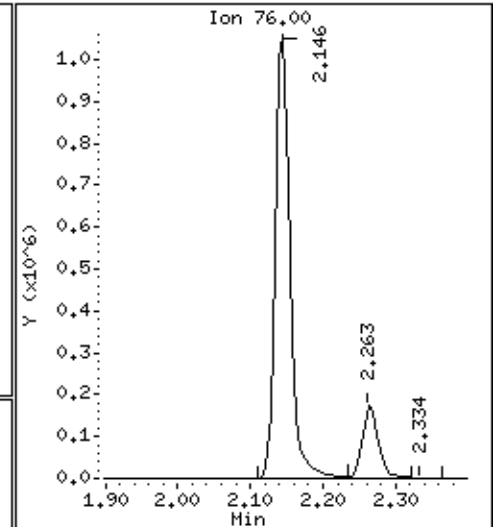
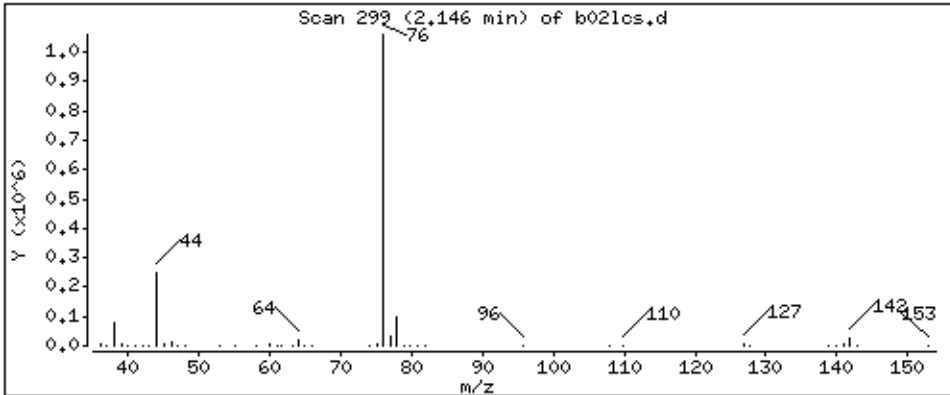
Operator: rsw

Column phase: DB-624

Column diameter: 0,18

14 Carbon Disulfide

Concentration: 113 ppb



Date : 01-JUL-2014 12:28

Client ID: 1121307

Instrument: 50mv4b.i

Sample Info: 1121307,71262;5

Purge Volume: 5.0

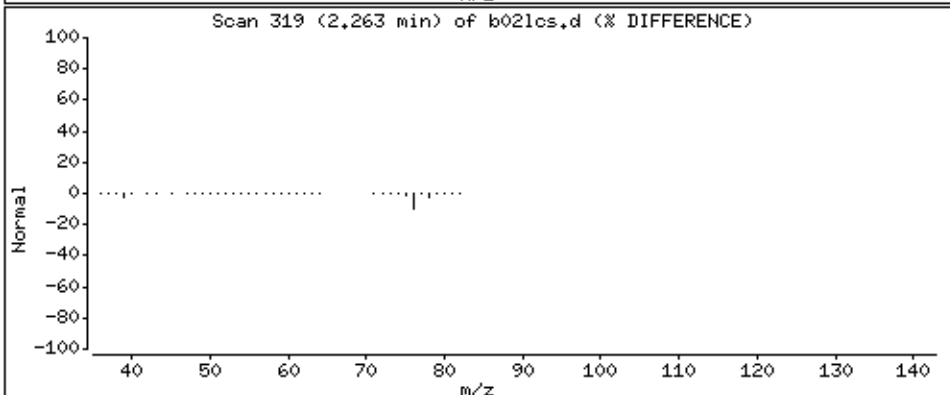
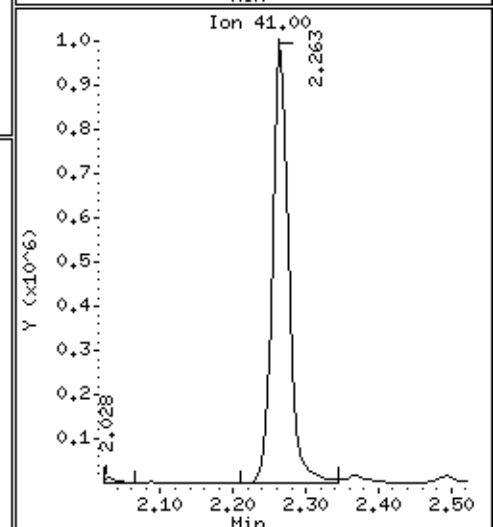
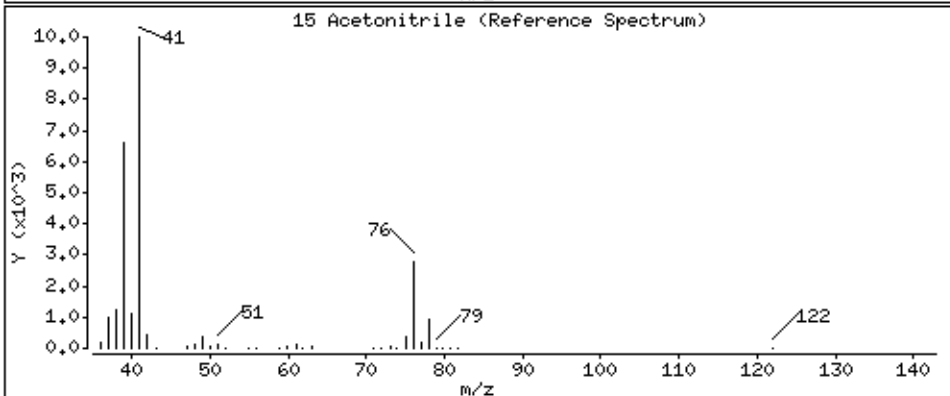
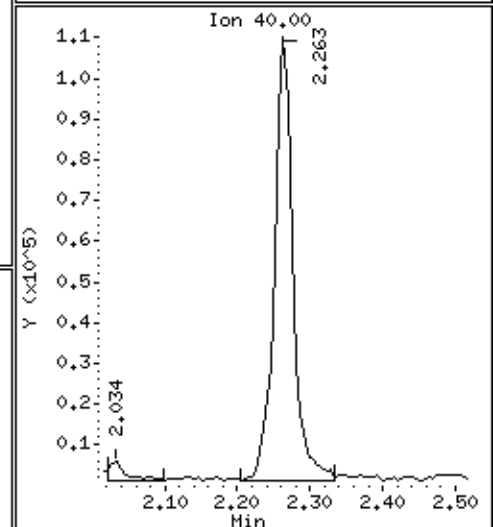
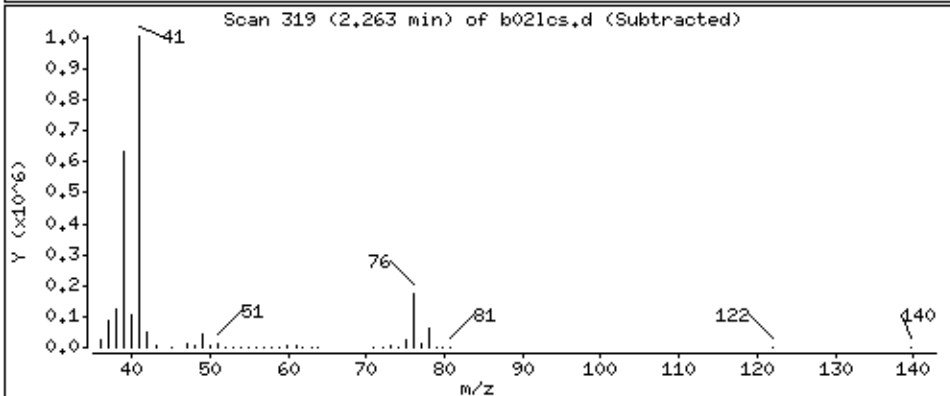
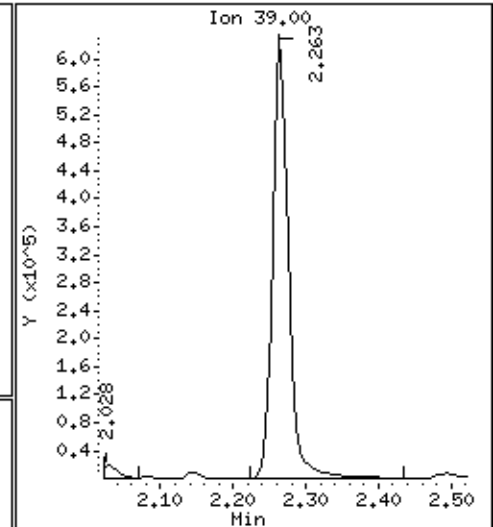
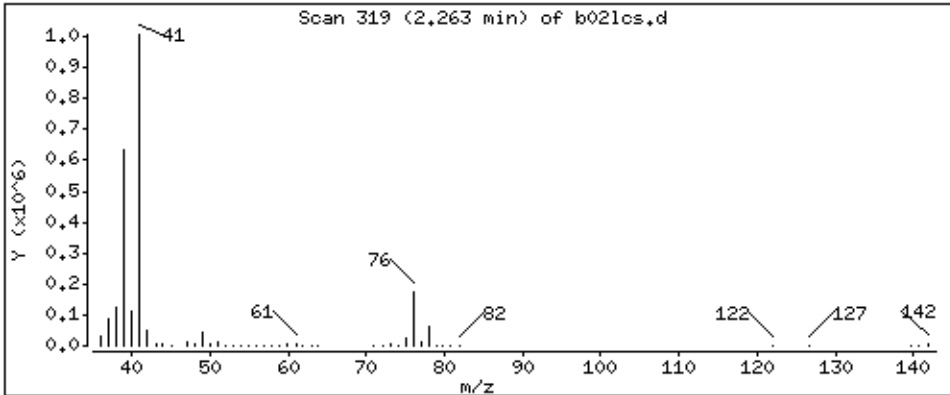
Operator: rsw

Column phase: DB-624

Column diameter: 0,18

15 Acetonitrile

Concentration: 50,1 ppb



Date : 01-JUL-2014 12:28

Client ID: 1121307

Instrument: 50mv4b.i

Sample Info: 1121307,71262;5

Purge Volume: 5.0

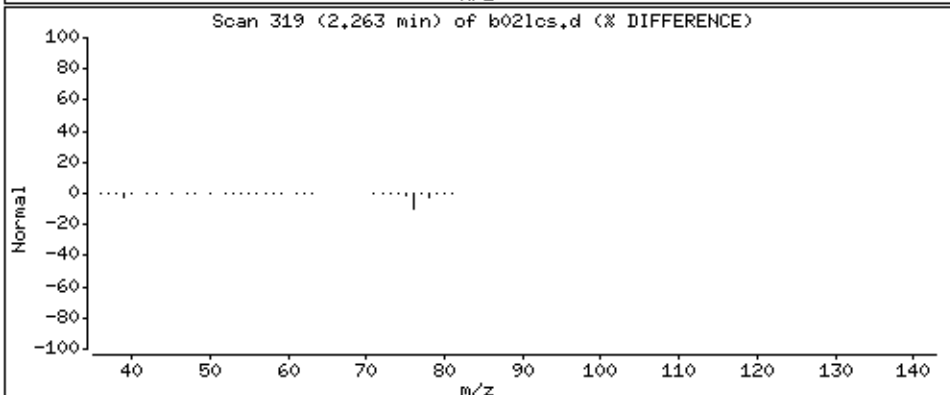
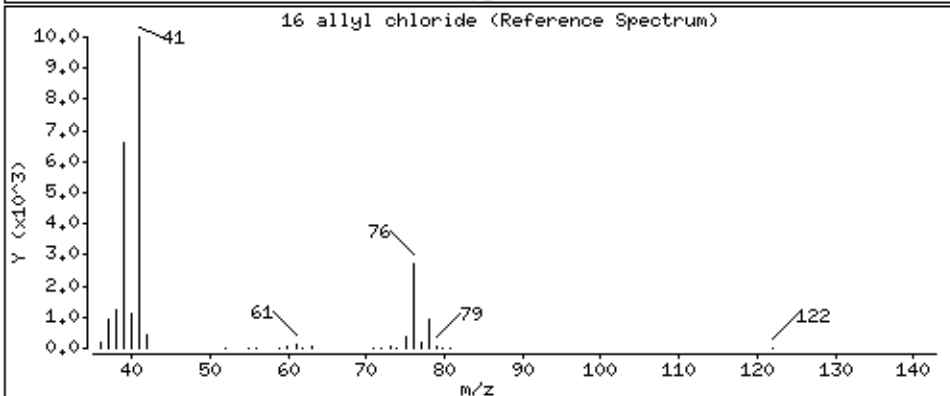
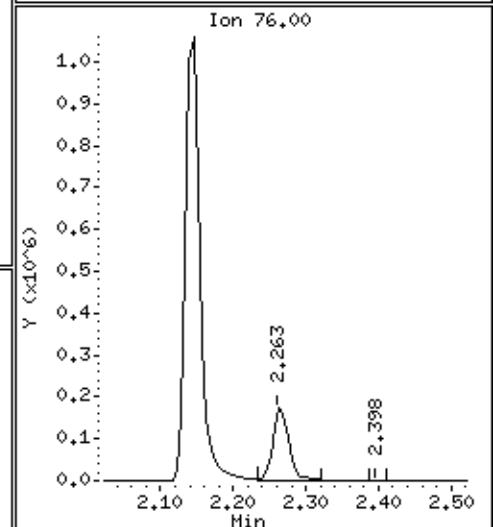
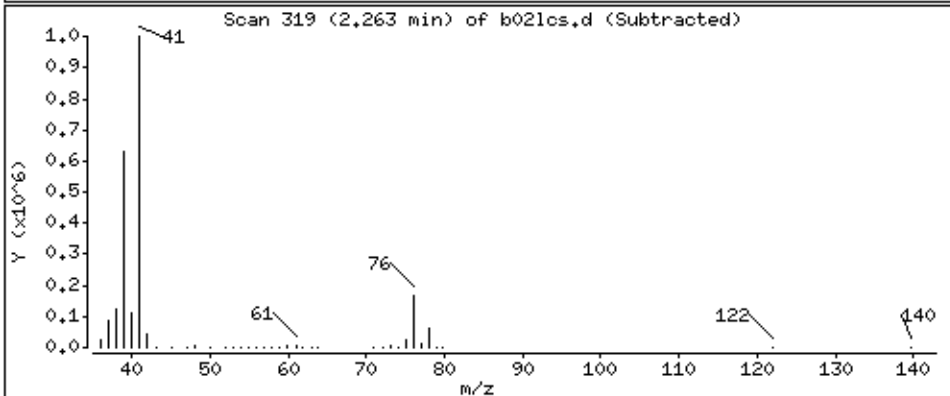
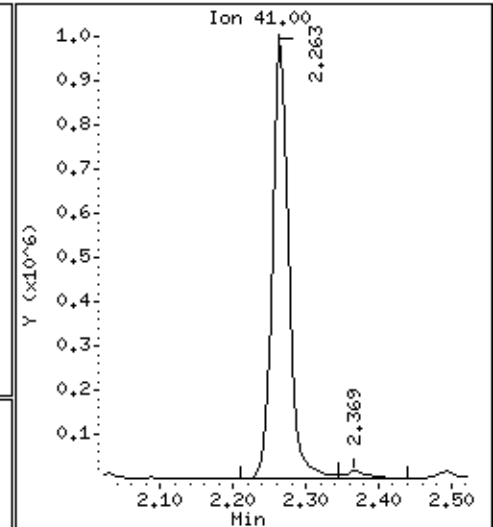
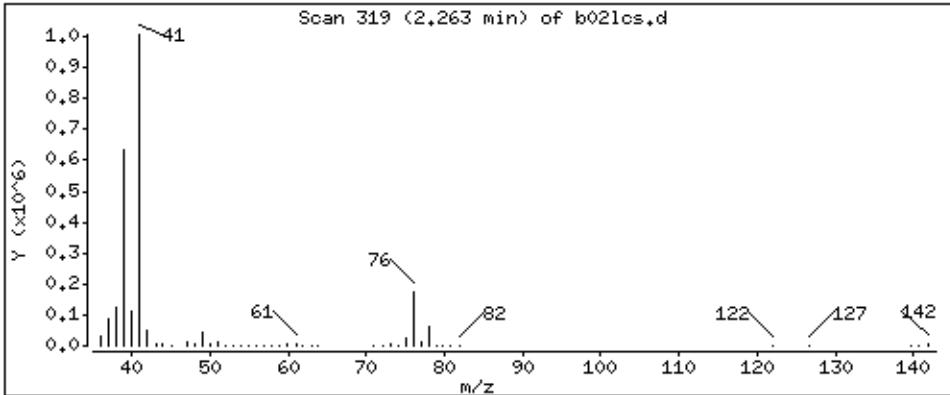
Operator: rsw

Column phase: DB-624

Column diameter: 0,18

16 allyl chloride

Concentration: 105 ppb



Date : 01-JUL-2014 12:28

Client ID: 1121307

Instrument: 50mv4b.i

Sample Info: 1121307,71262;5

Purge Volume: 5.0

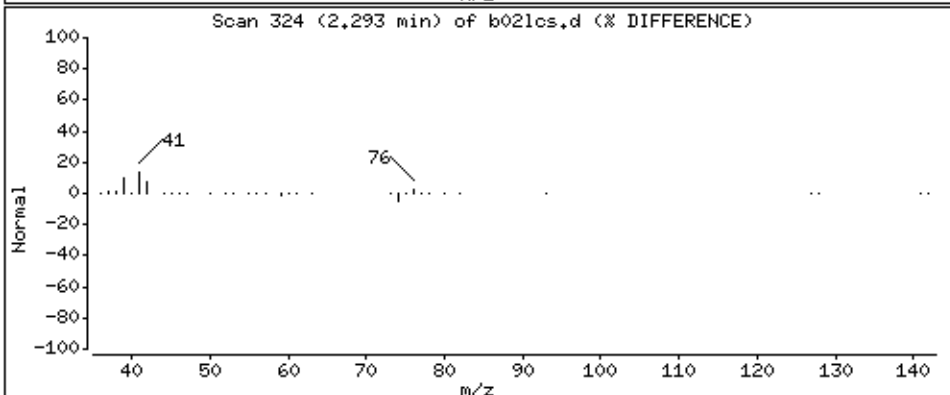
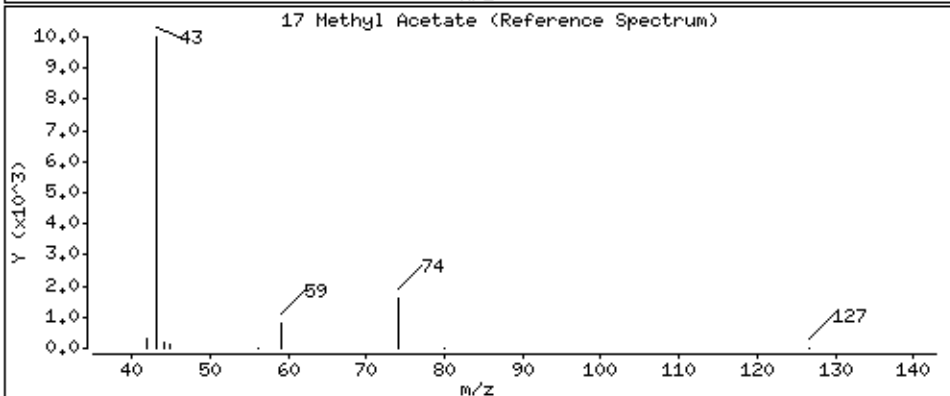
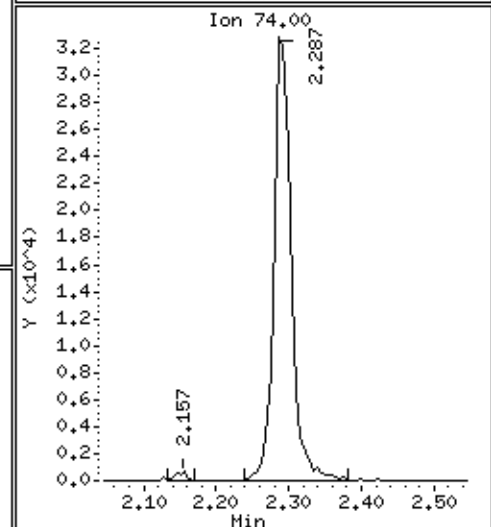
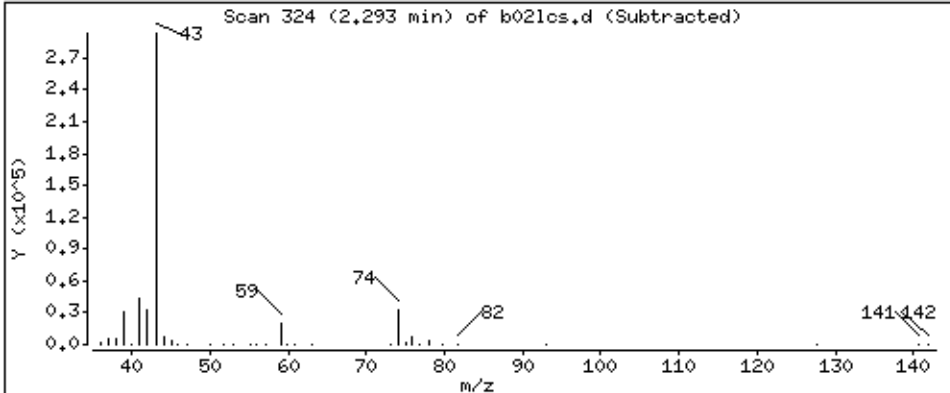
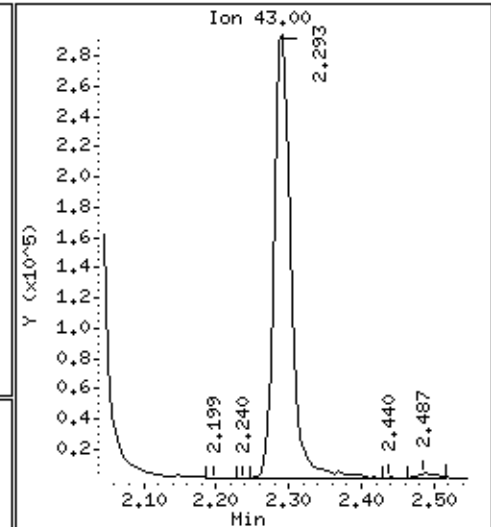
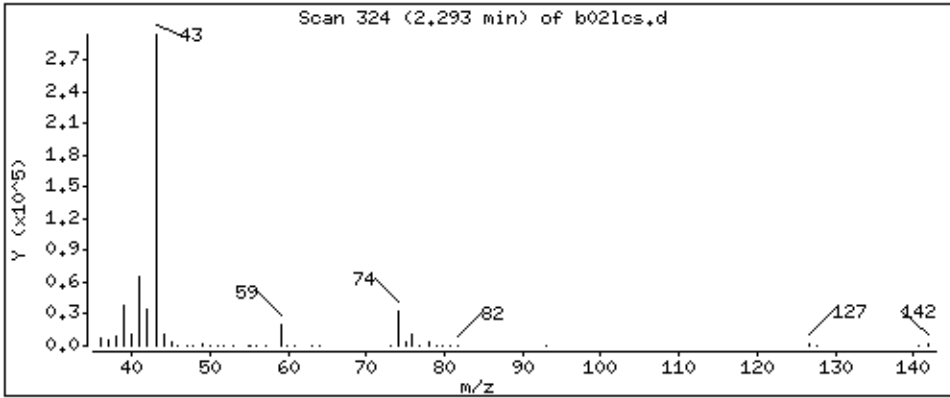
Operator: rsw

Column phase: DB-624

Column diameter: 0,18

17 Methyl Acetate

Concentration: 57,8 ppb



Date : 01-JUL-2014 12:28

Client ID: 1121307

Instrument: 50mv4b.i

Sample Info: 1121307,71262;5

Purge Volume: 5.0

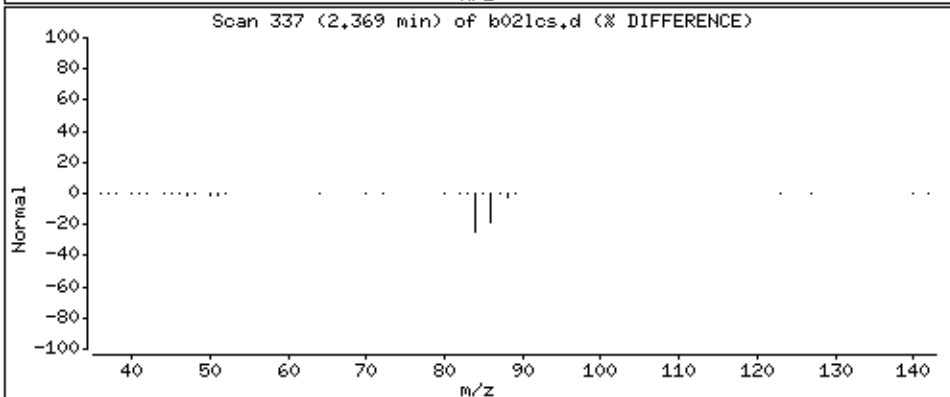
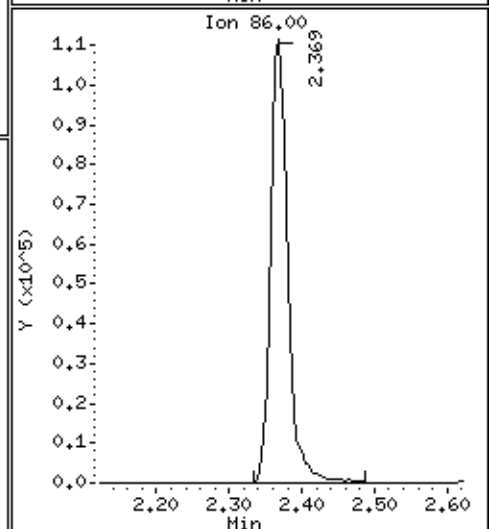
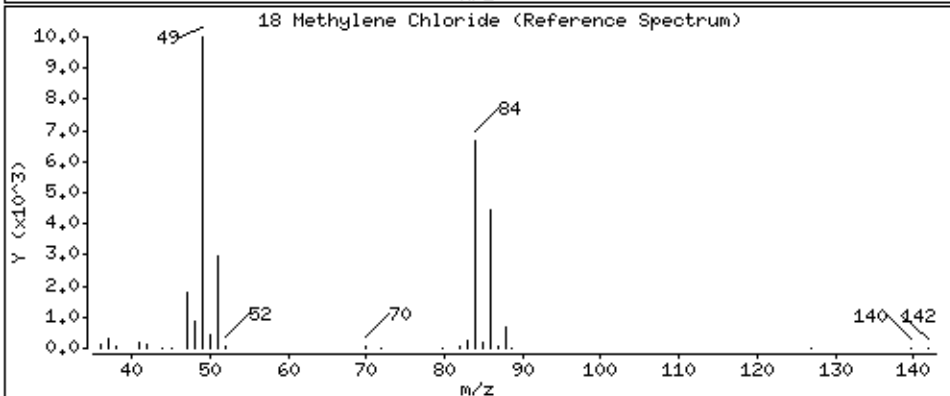
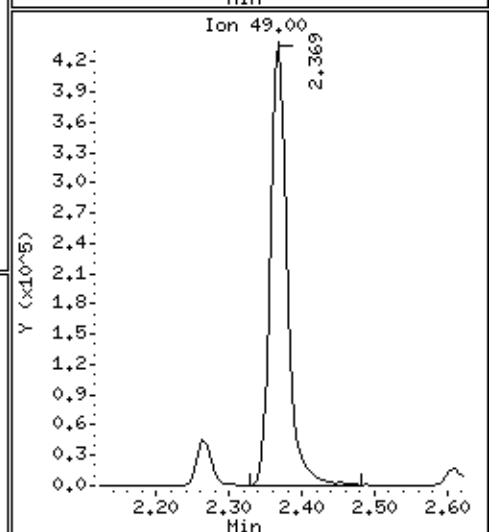
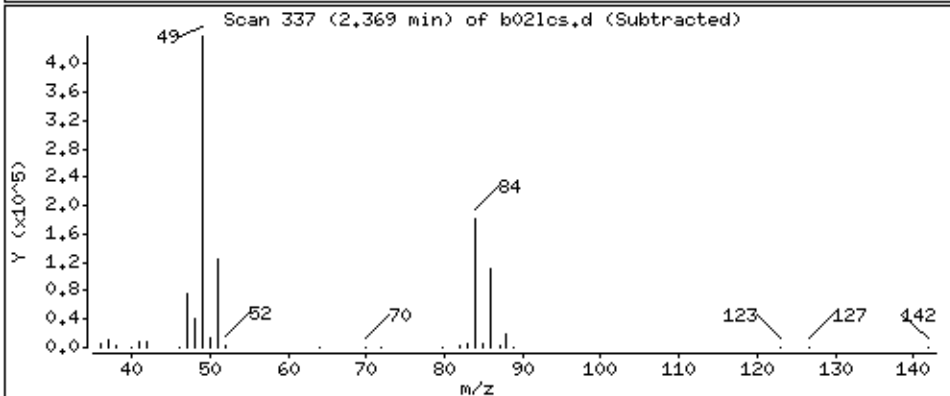
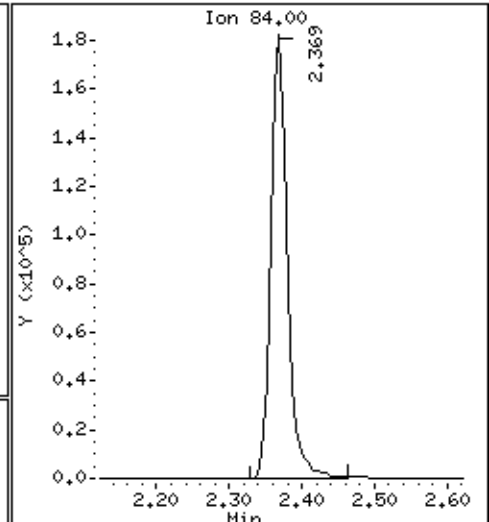
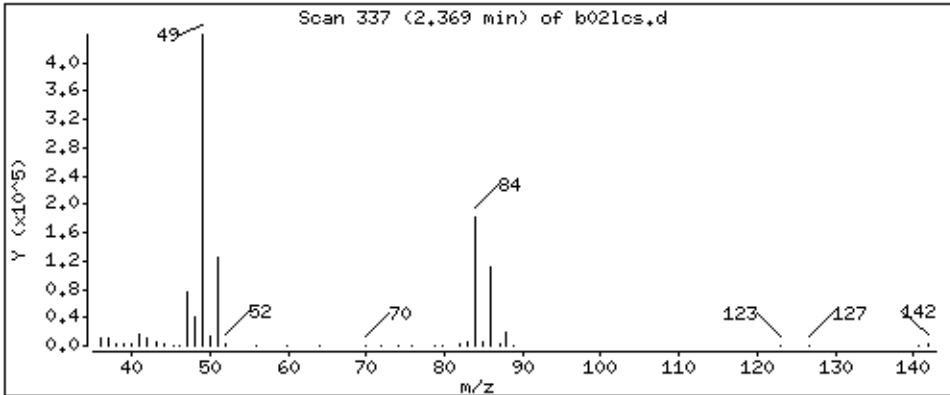
Operator: rsw

Column phase: DB-624

Column diameter: 0,18

18 Methylene Chloride

Concentration: 49,5 ppb



Date : 01-JUL-2014 12:28

Client ID: 1121307

Instrument: 50mv4b.i

Sample Info: 1121307,71262;5

Purge Volume: 5.0

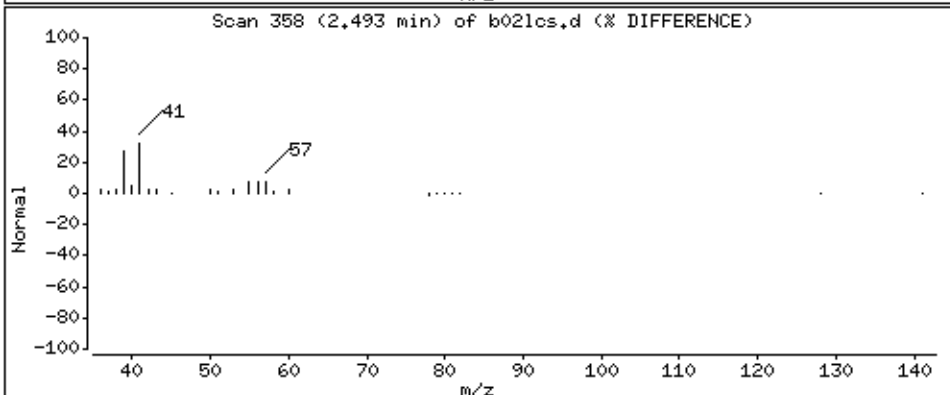
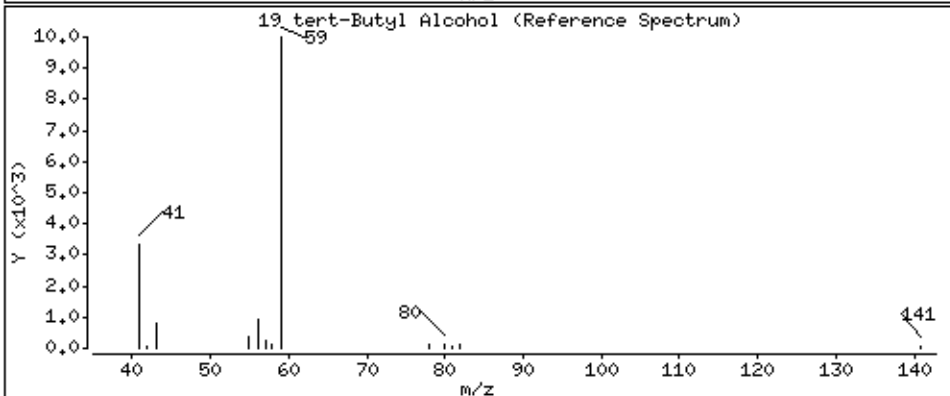
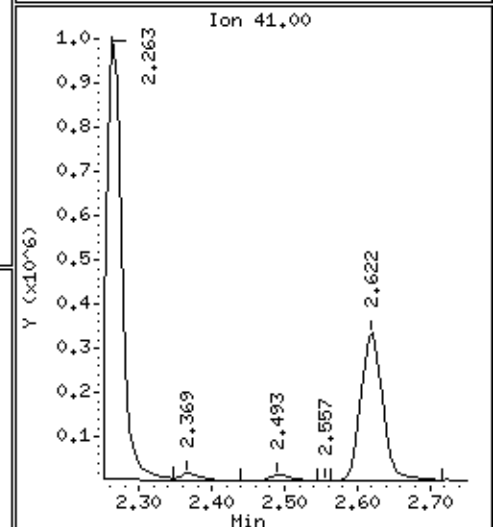
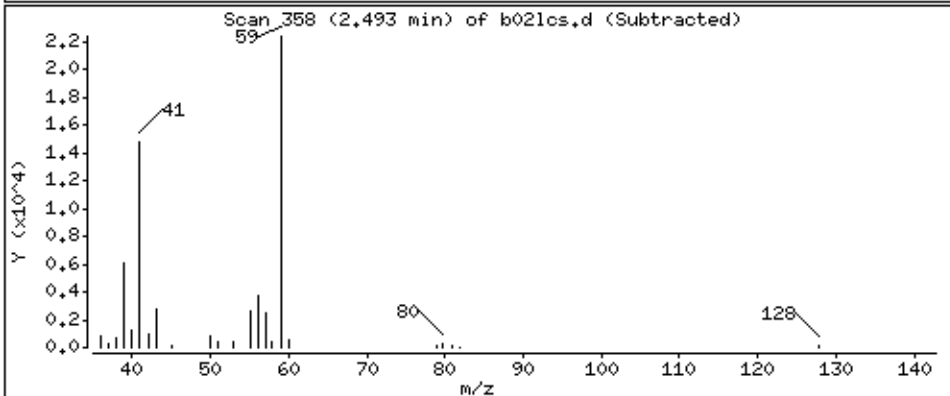
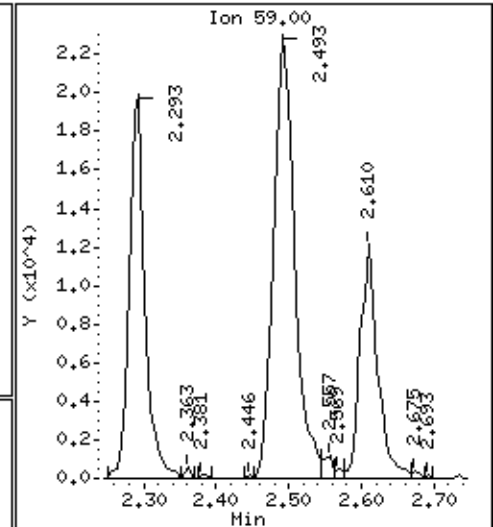
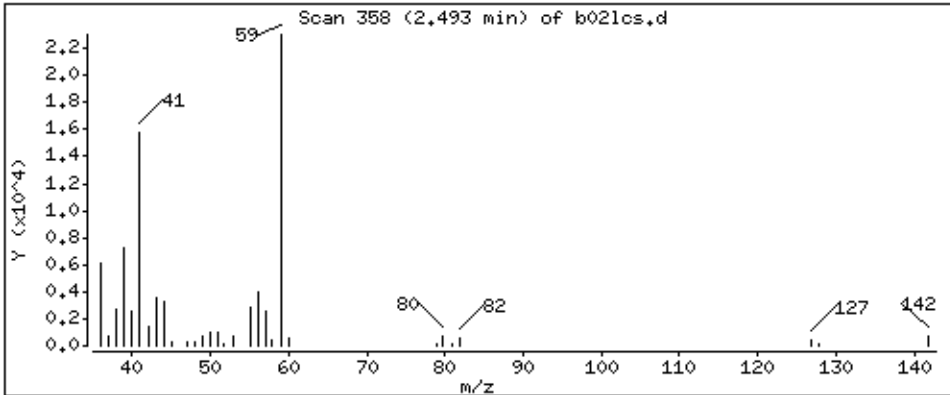
Operator: rsw

Column phase: DB-624

Column diameter: 0,18

19 tert-Butyl Alcohol

Concentration: 101 ppb



Date : 01-JUL-2014 12:28

Client ID: 1121307

Instrument: 50mv4b.i

Sample Info: 1121307,71262;5

Purge Volume: 5.0

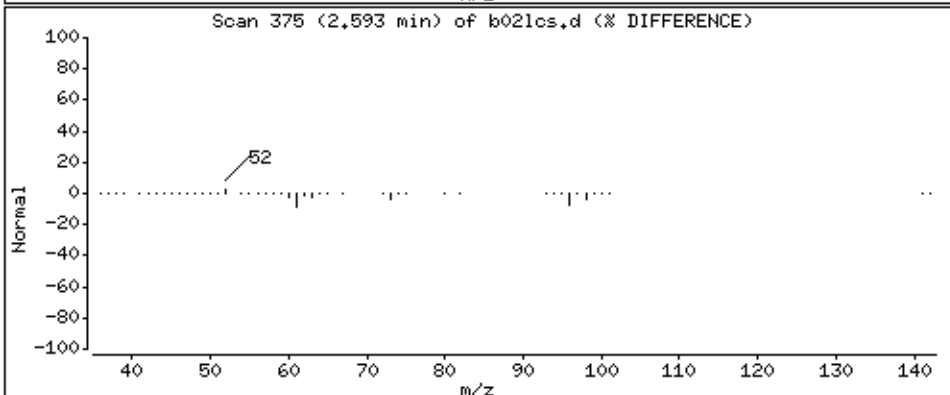
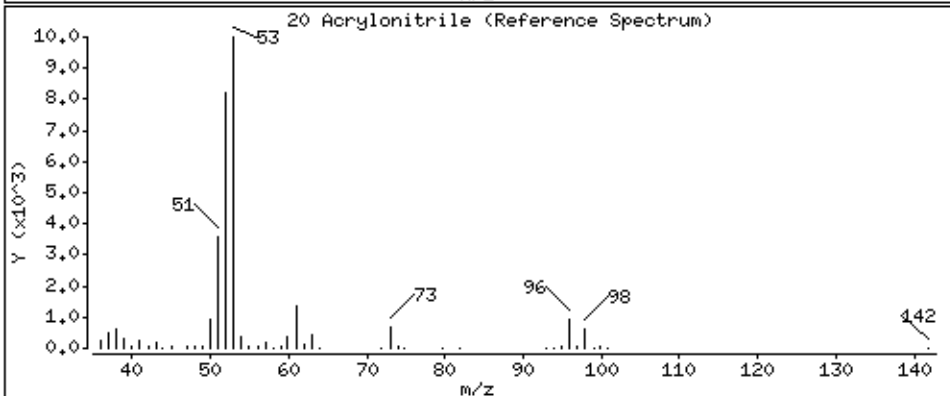
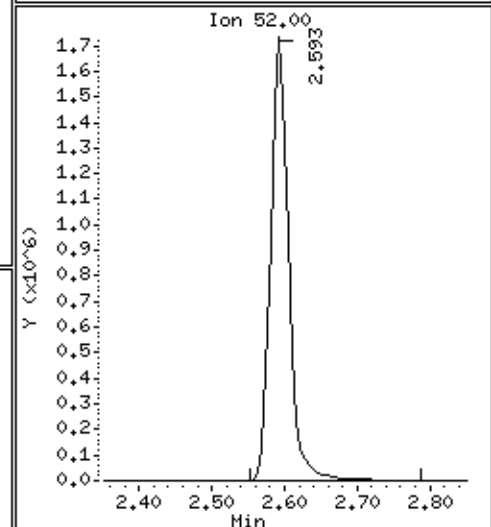
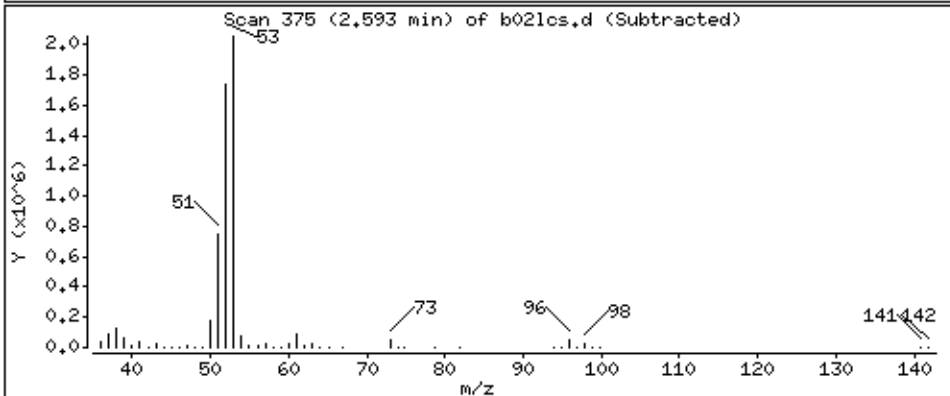
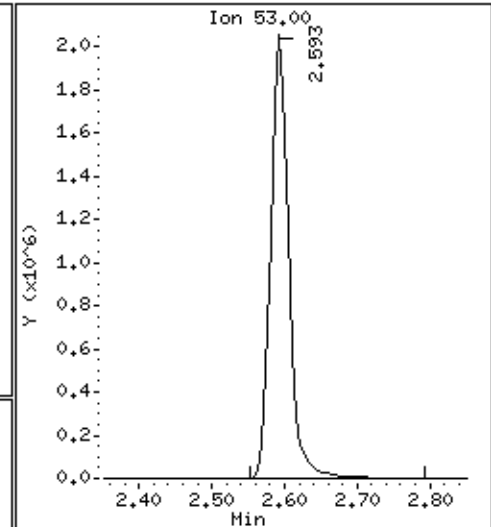
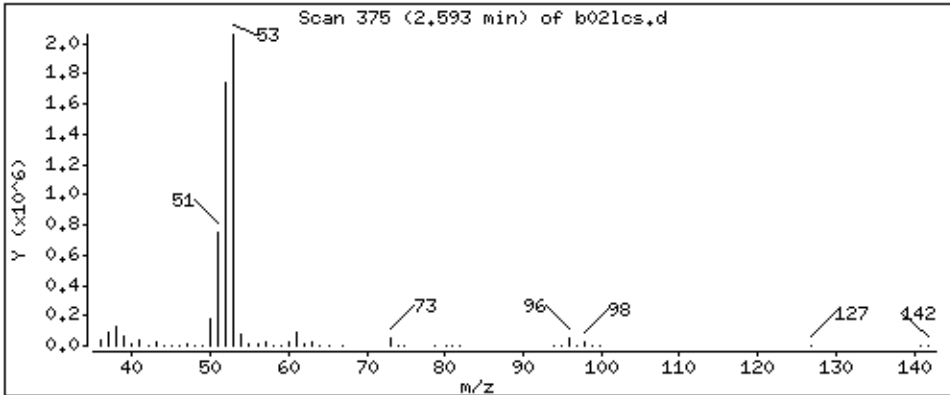
Operator: rsw

Column phase: DB-624

Column diameter: 0,18

20 Acrylonitrile

Concentration: 1090 ppb



Date : 01-JUL-2014 12:28

Client ID: 1121307

Instrument: 50mv4b.i

Sample Info: 1121307,71262;5

Purge Volume: 5.0

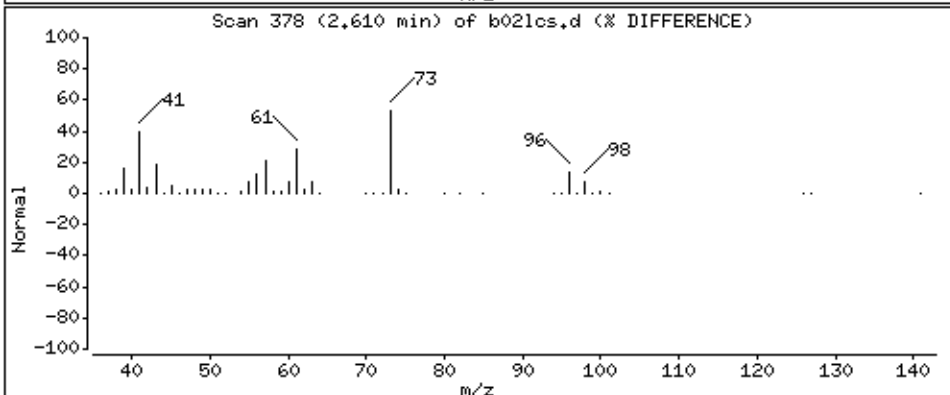
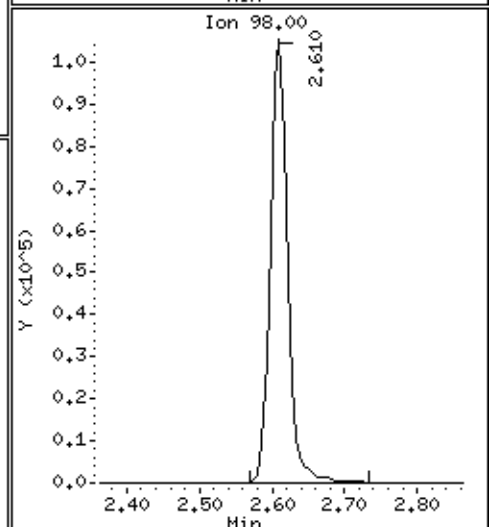
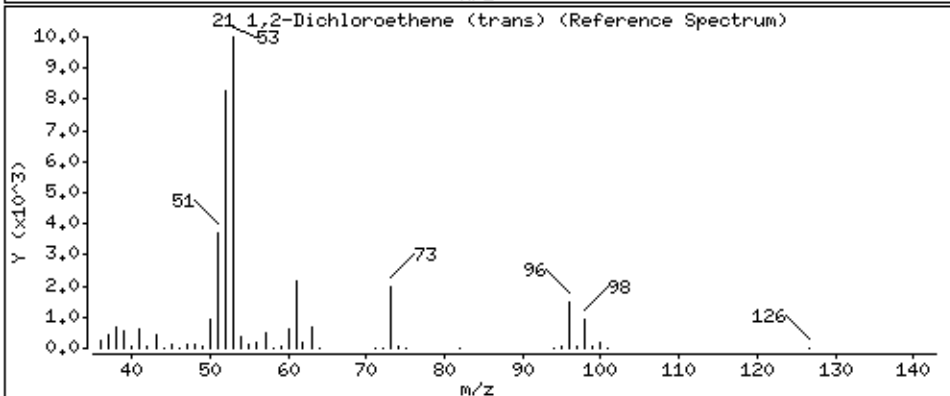
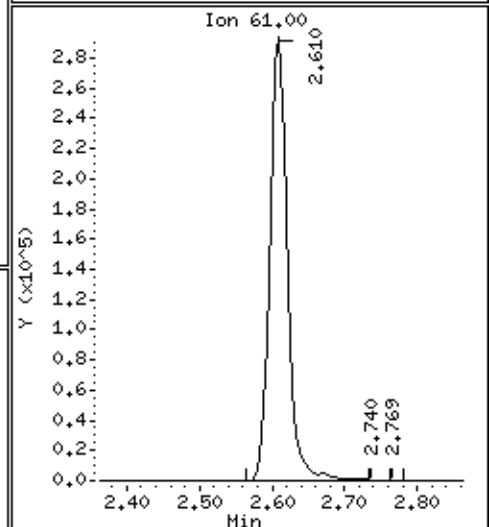
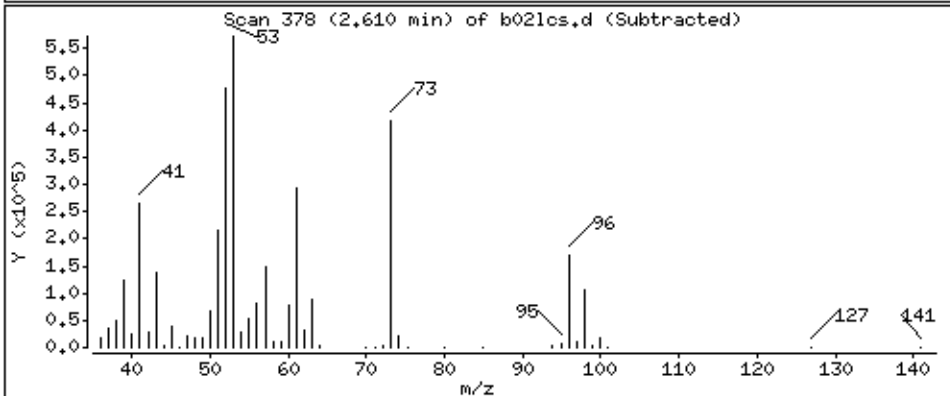
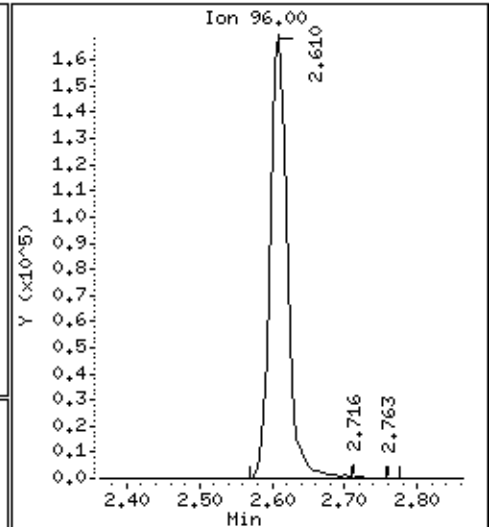
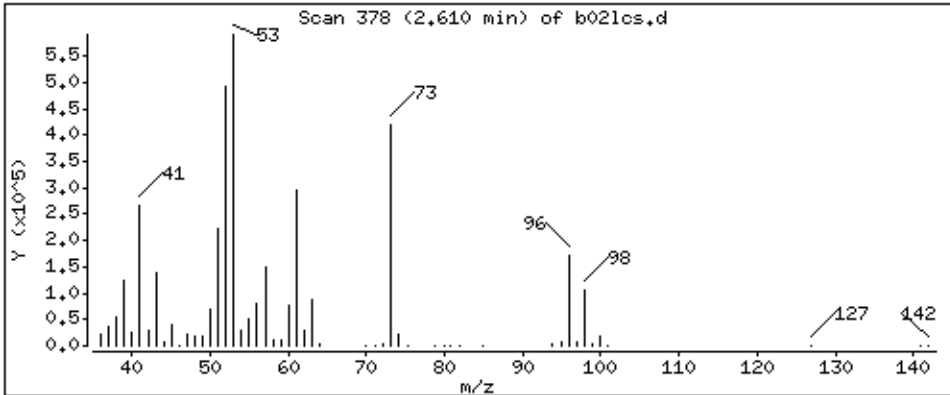
Operator: rsw

Column phase: DB-624

Column diameter: 0,18

21 1,2-Dichloroethene (trans)

Concentration: 47.8 ppb



Date : 01-JUL-2014 12:28

Client ID: 1121307

Instrument: 50mv4b.i

Sample Info: 1121307,71262;5

Purge Volume: 5.0

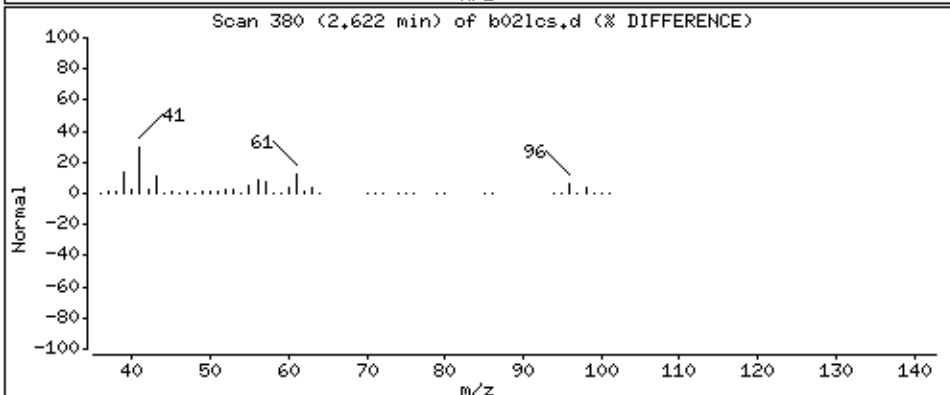
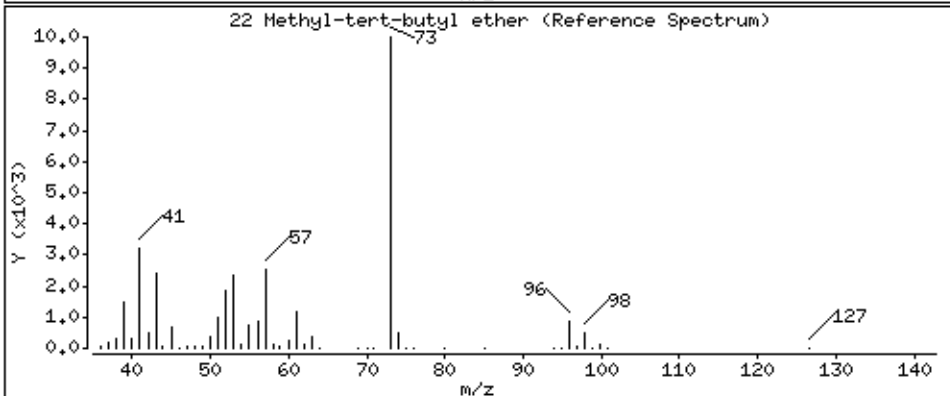
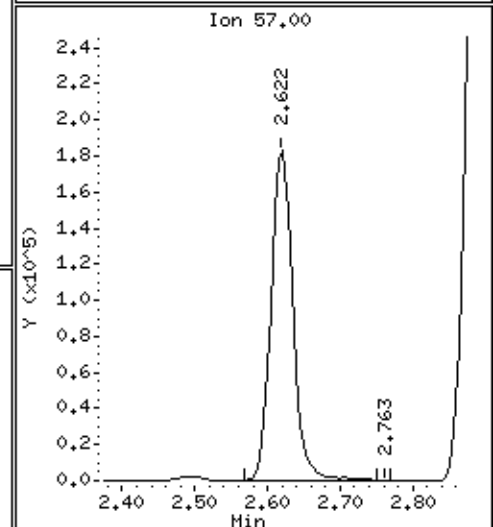
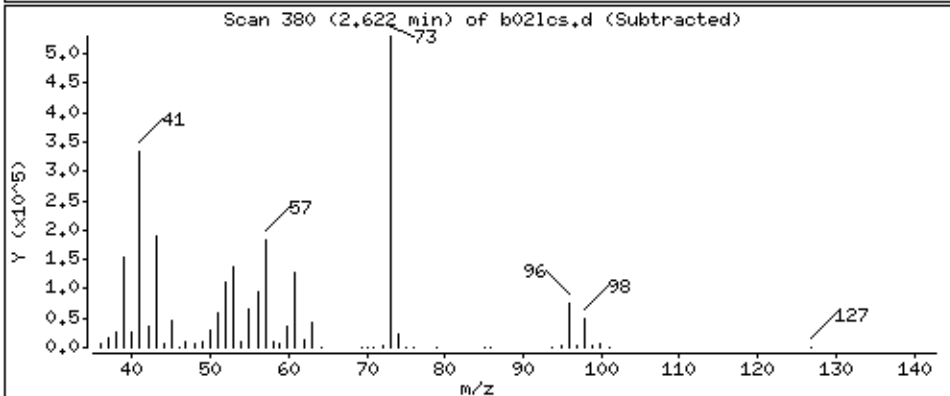
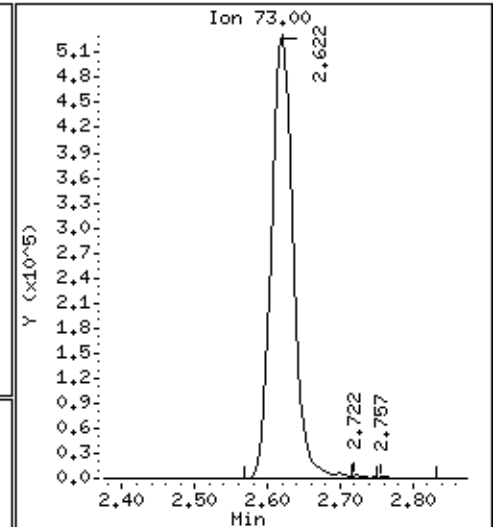
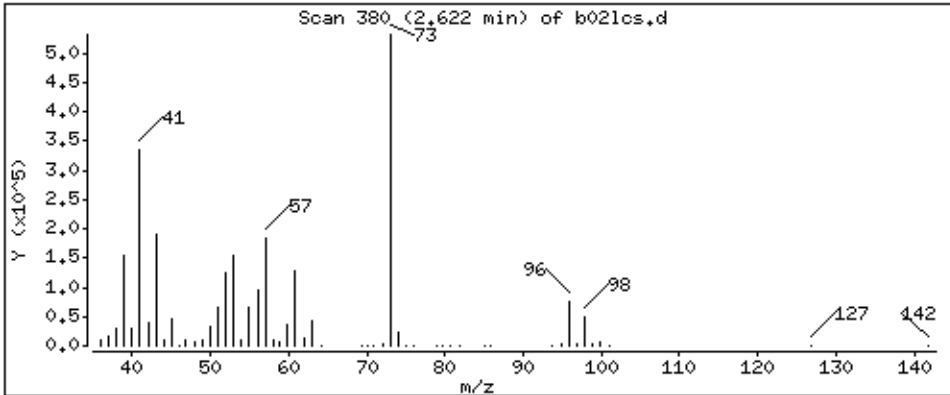
Operator: rsw

Column phase: DB-624

Column diameter: 0,18

22 Methyl-tert-butyl ether

Concentration: 98,4 ppb



Date : 01-JUL-2014 12:28

Client ID: 1121307

Instrument: 50mv4b.i

Sample Info: 1121307,71262;5

Purge Volume: 5.0

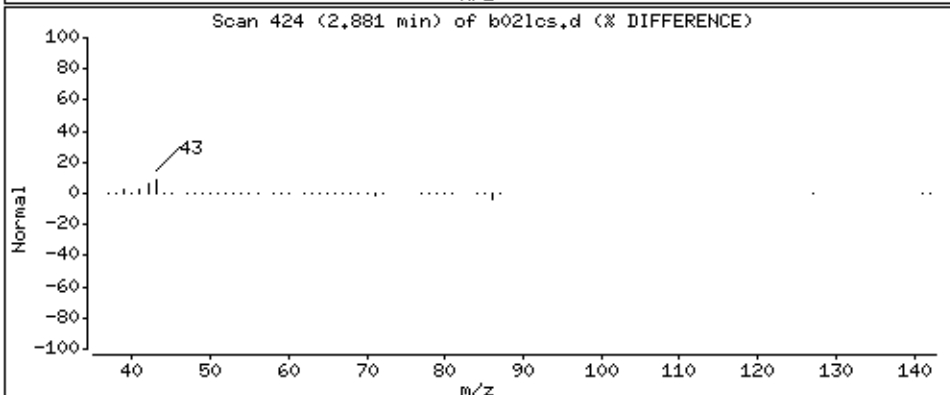
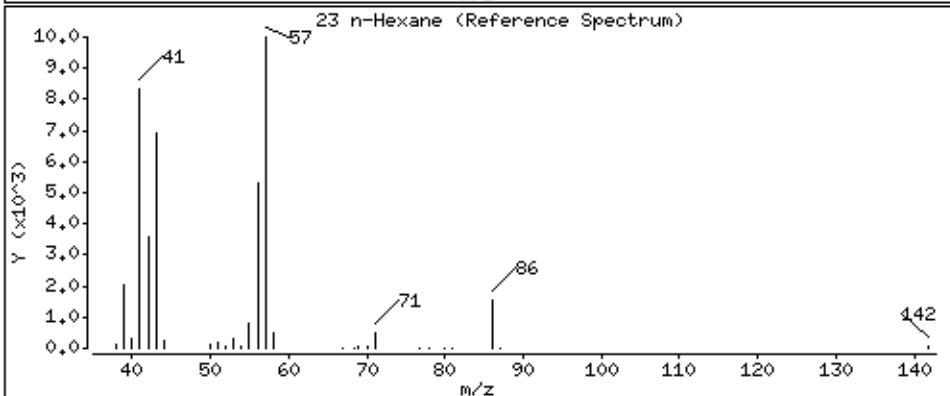
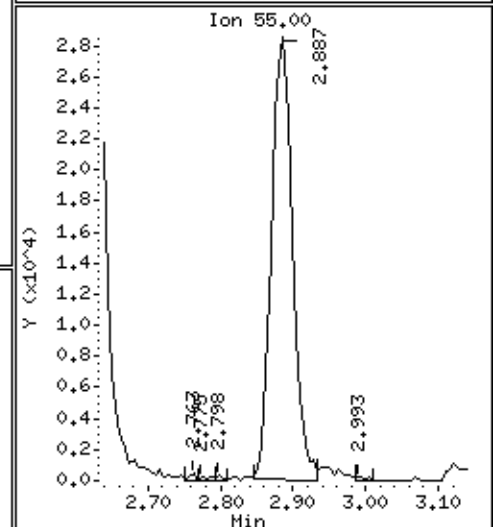
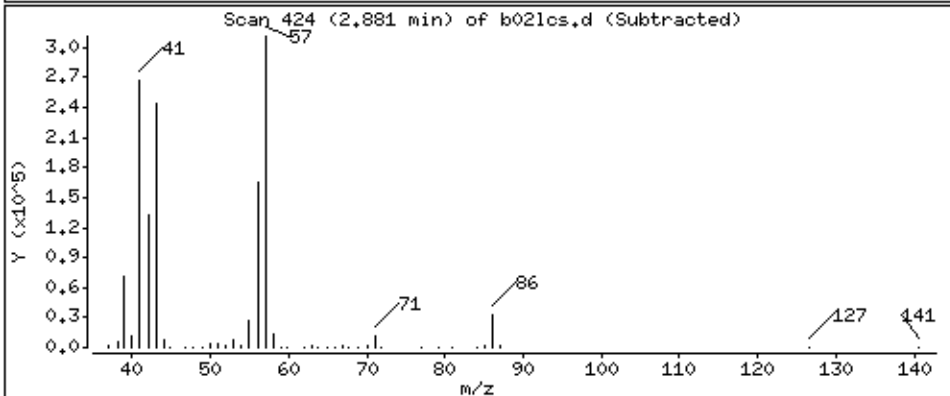
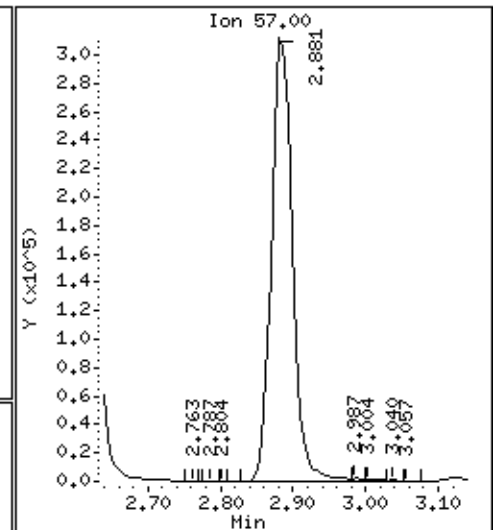
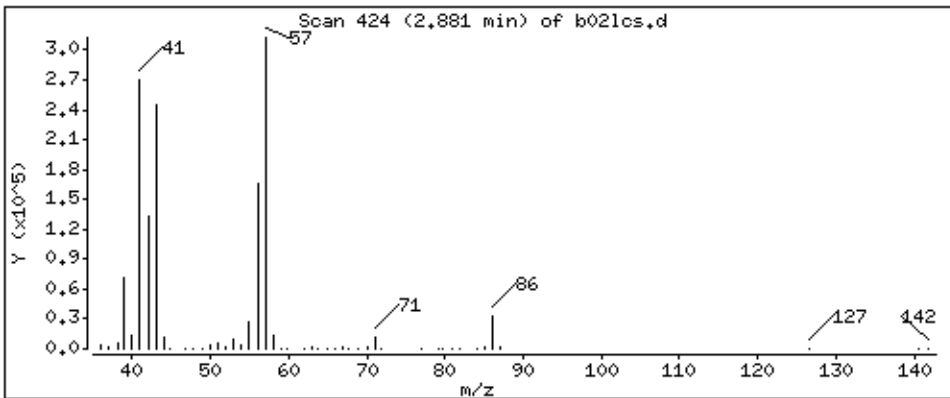
Operator: rsw

Column phase: DB-624

Column diameter: 0,18

23 n-Hexane

Concentration: 52.2 ppb



Date : 01-JUL-2014 12:28

Client ID: 1121307

Instrument: 50mv4b.i

Sample Info: 1121307,71262;5

Purge Volume: 5.0

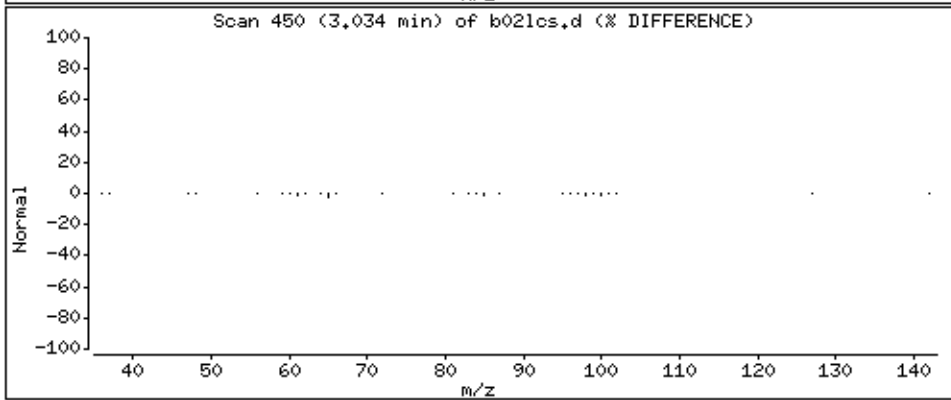
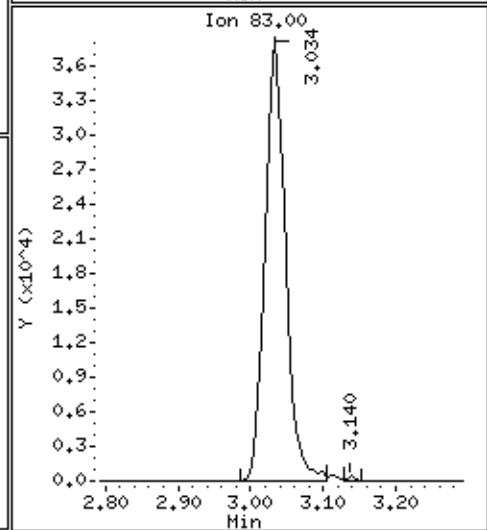
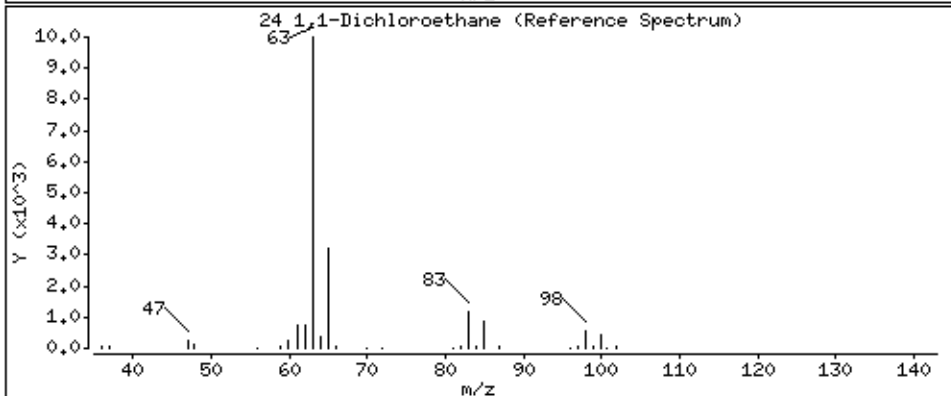
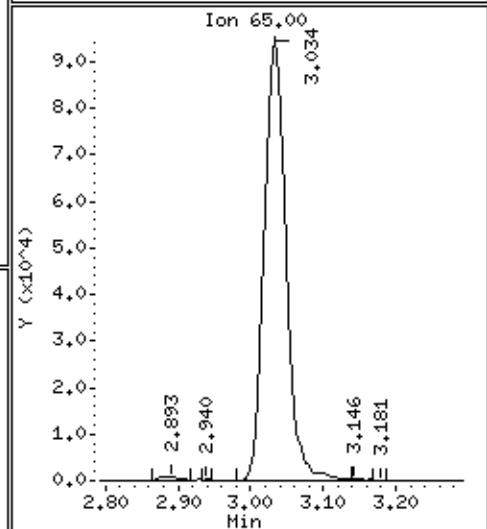
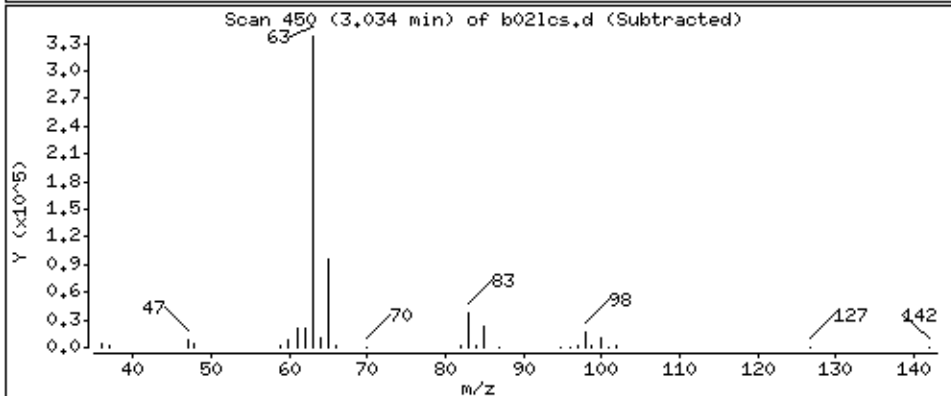
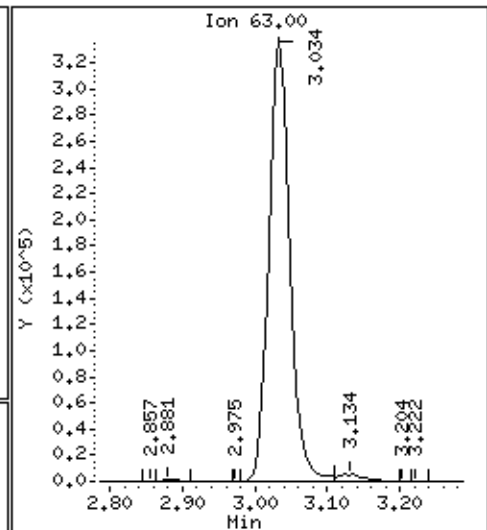
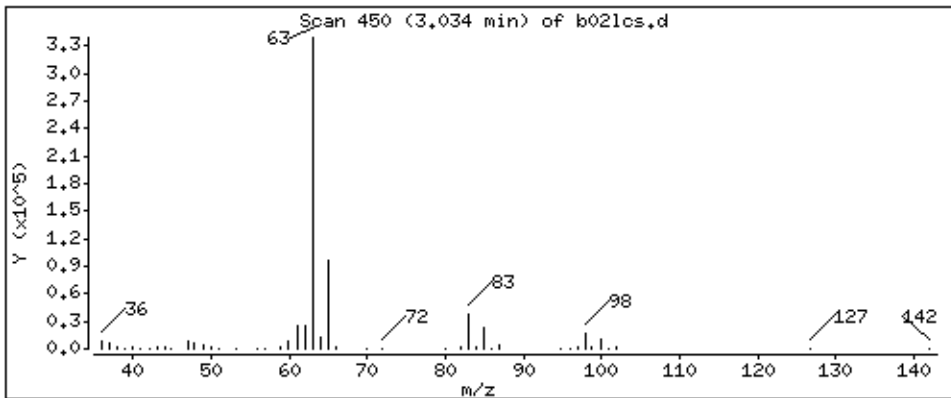
Operator: rsw

Column phase: DB-624

Column diameter: 0,18

24 1,1-Dichloroethane

Concentration: 54,1 ppb



Date : 01-JUL-2014 12:28

Client ID: 1121307

Instrument: 50mv4b.i

Sample Info: 1121307,71262;5

Purge Volume: 5.0

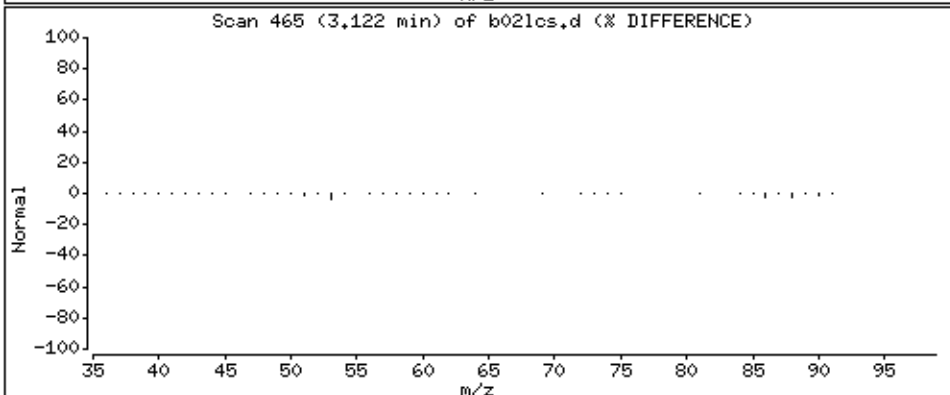
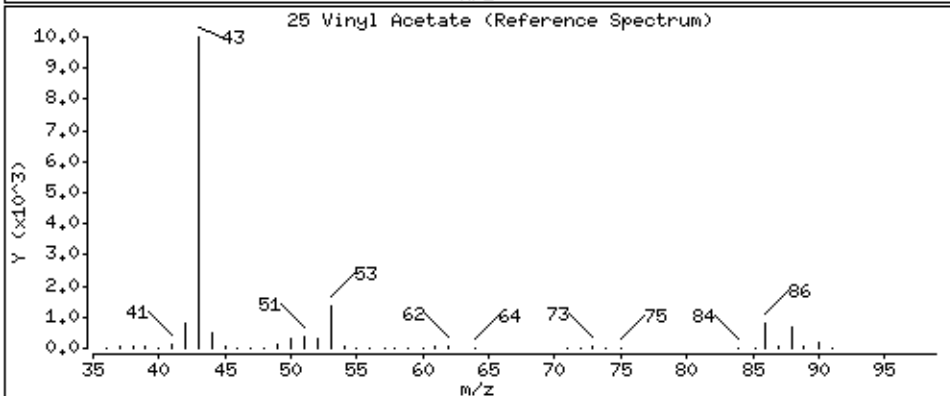
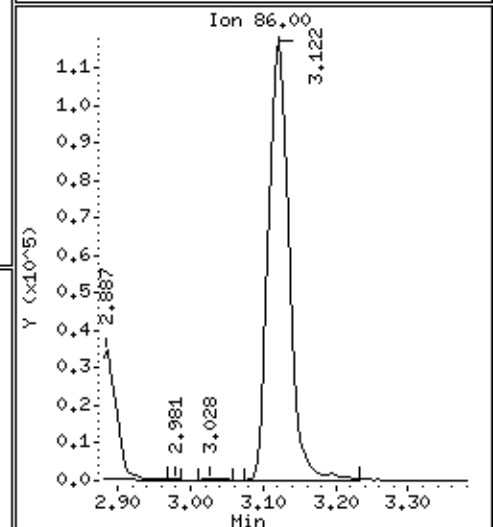
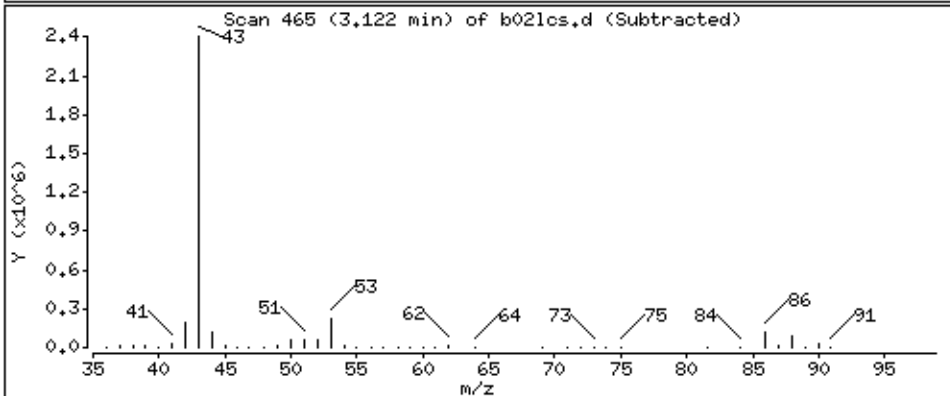
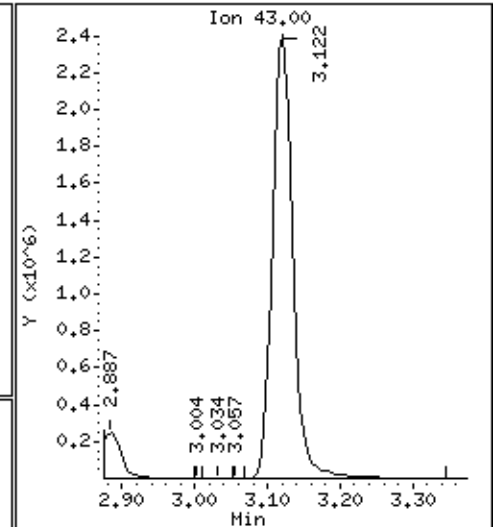
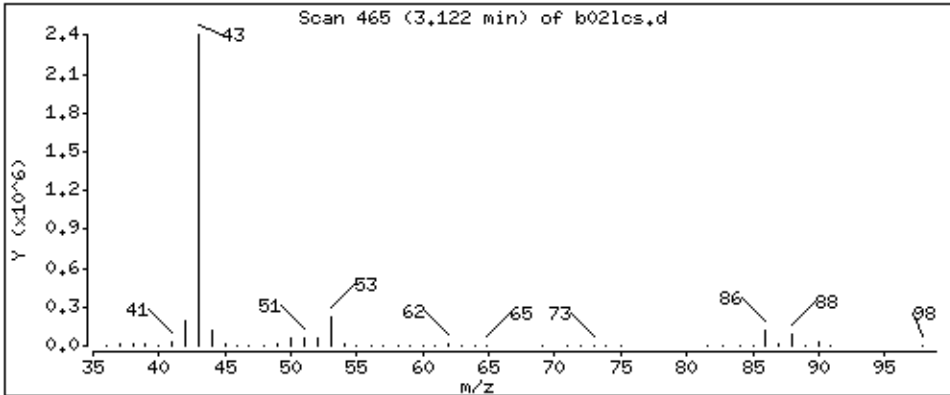
Operator: rsw

Column phase: DB-624

Column diameter: 0,18

25 Vinyl Acetate

Concentration: 246 ppb



Date : 01-JUL-2014 12:28

Client ID: 1121307

Instrument: 50mv4b.i

Sample Info: 1121307,71262;5

Purge Volume: 5.0

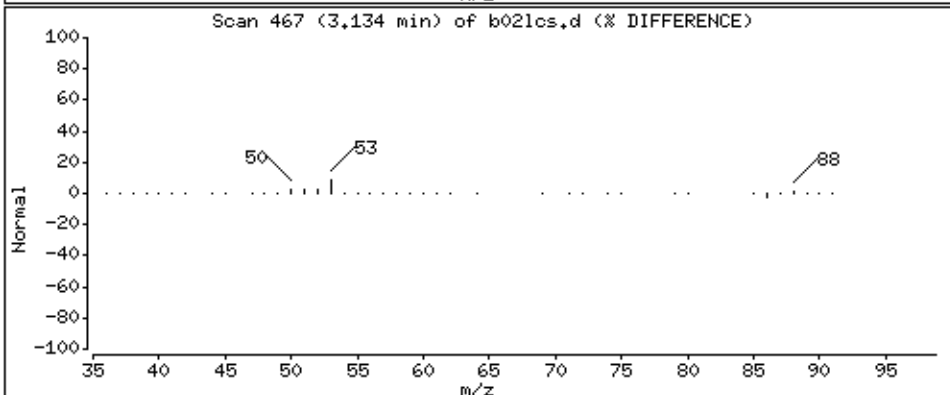
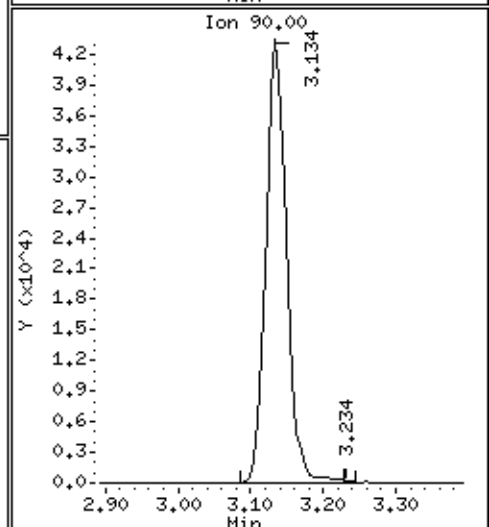
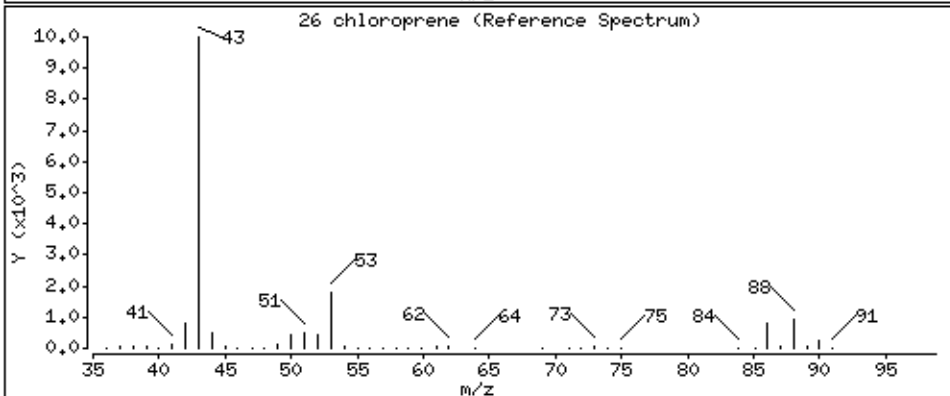
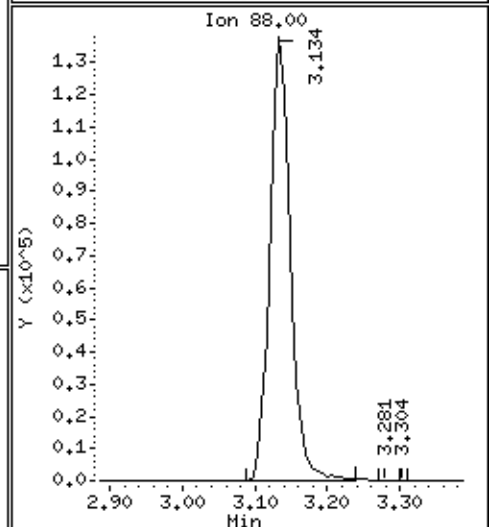
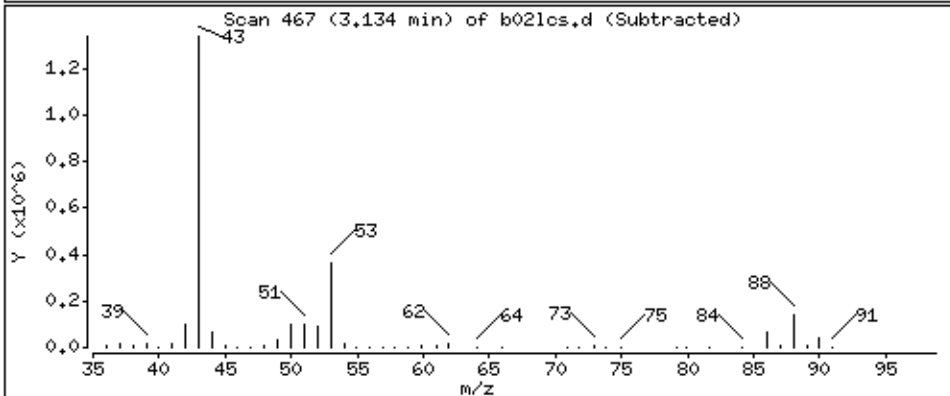
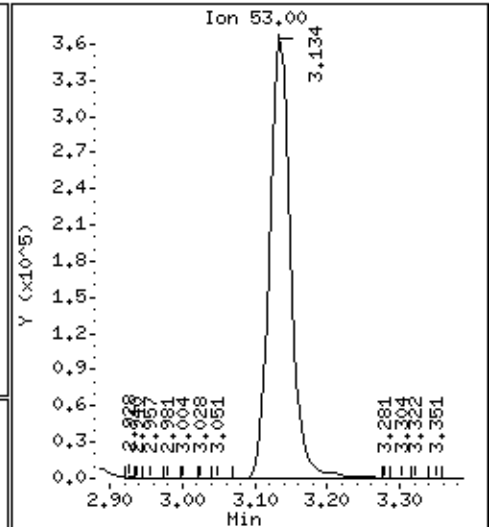
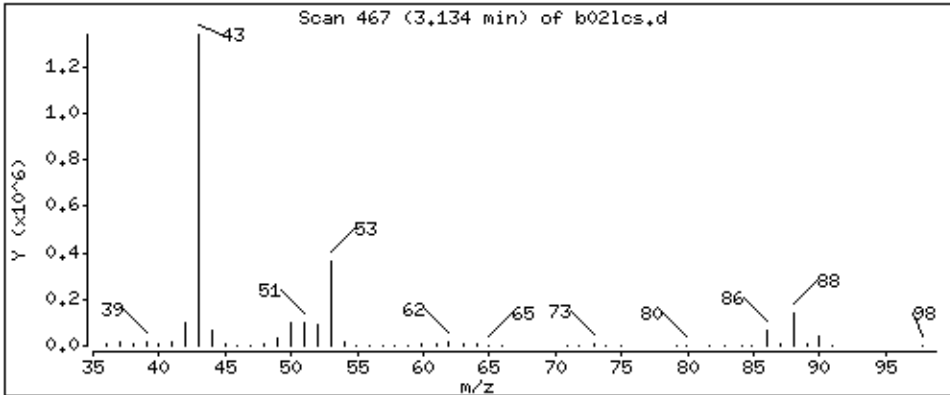
Operator: rsw

Column phase: DB-624

Column diameter: 0,18

26 chloroprene

Concentration: 54,2 ppb



Date : 01-JUL-2014 12:28

Client ID: 1121307

Instrument: 50mv4b.i

Sample Info: 1121307,71262;5

Purge Volume: 5.0

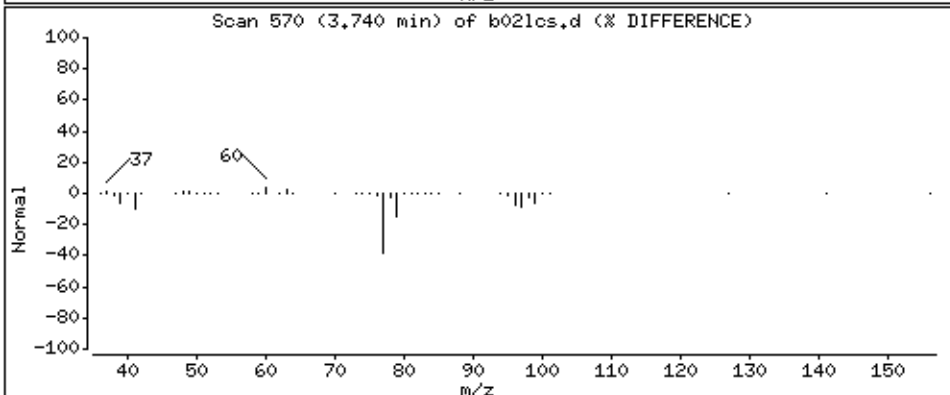
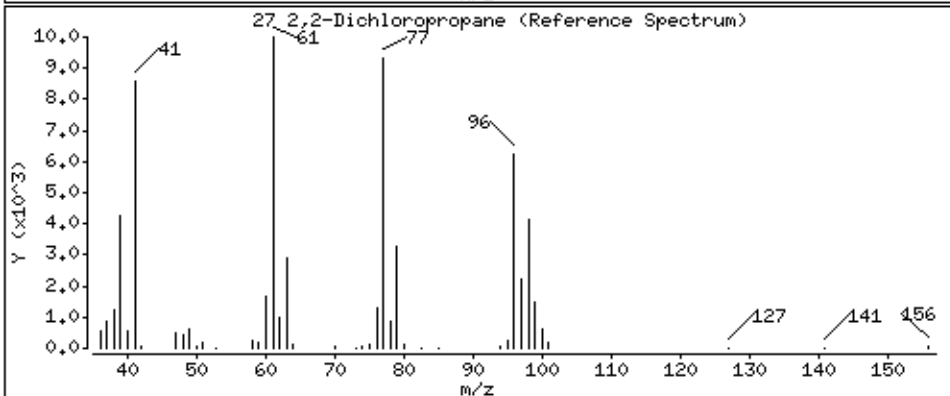
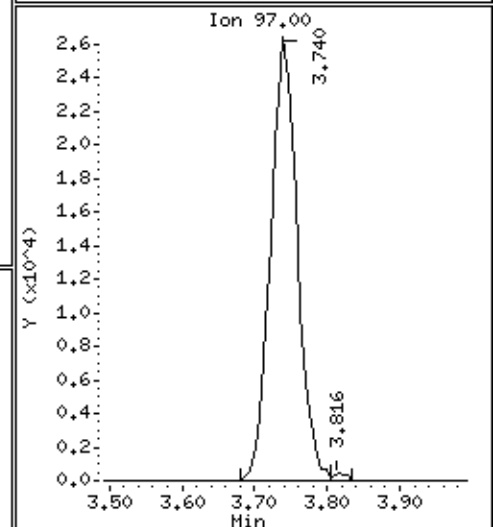
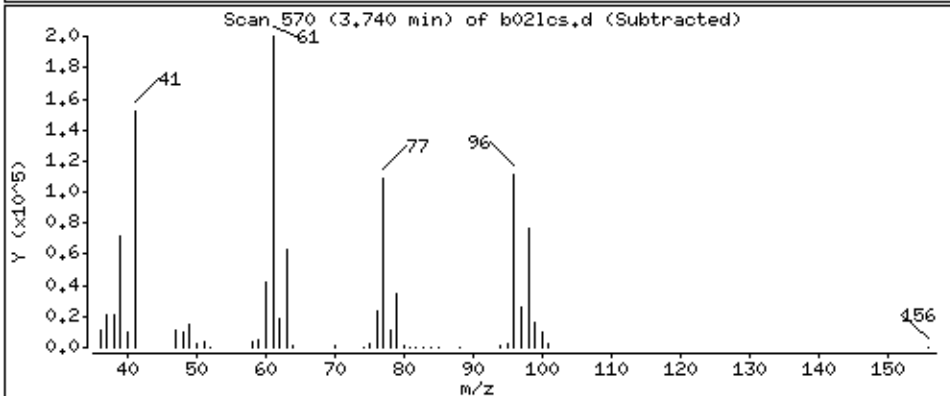
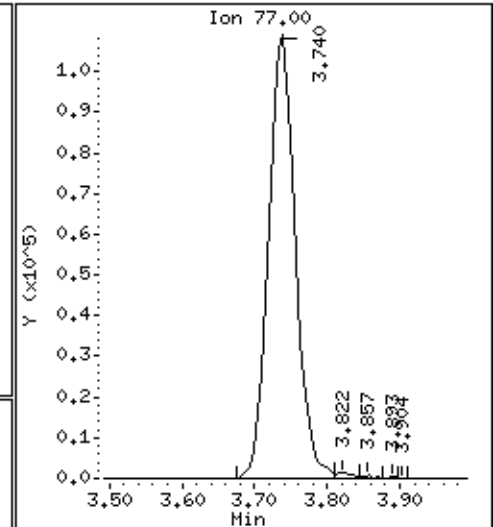
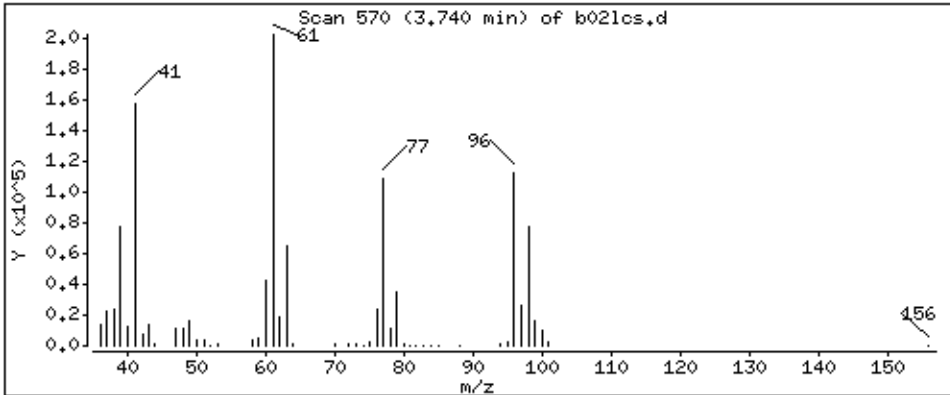
Operator: rsw

Column phase: DB-624

Column diameter: 0,18

27 2,2-Dichloropropane

Concentration: 47.4 ppb



Date : 01-JUL-2014 12:28

Client ID: 1121307

Instrument: 50mv4b.i

Sample Info: 1121307,71262;5

Purge Volume: 5.0

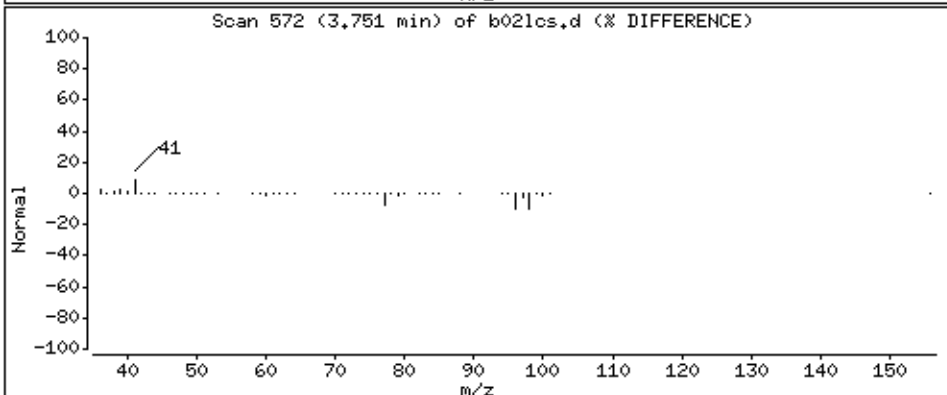
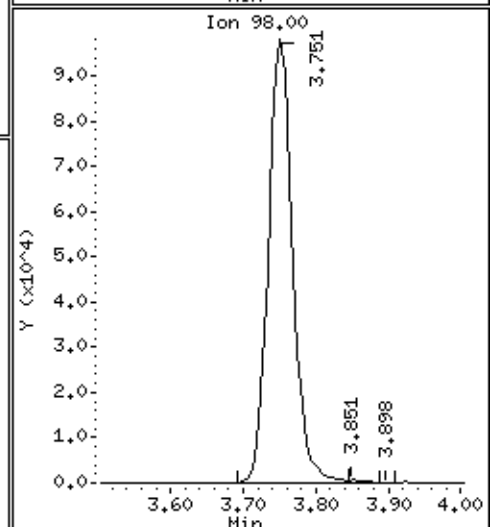
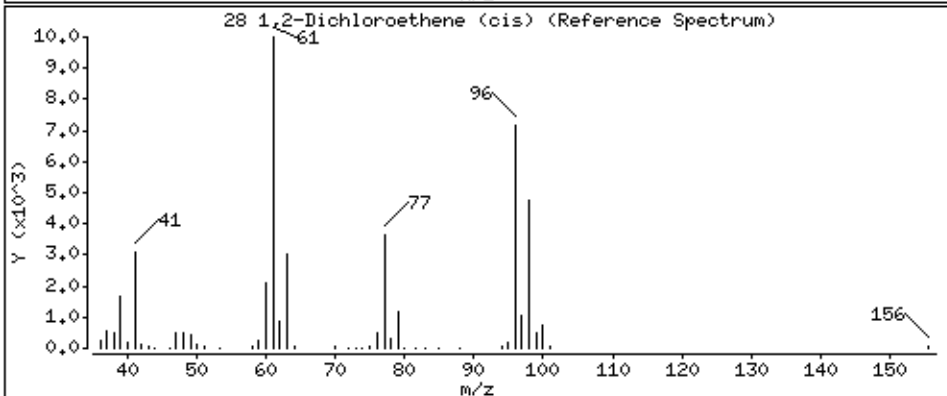
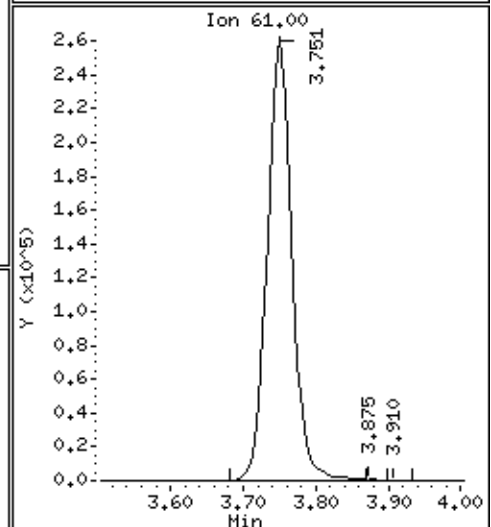
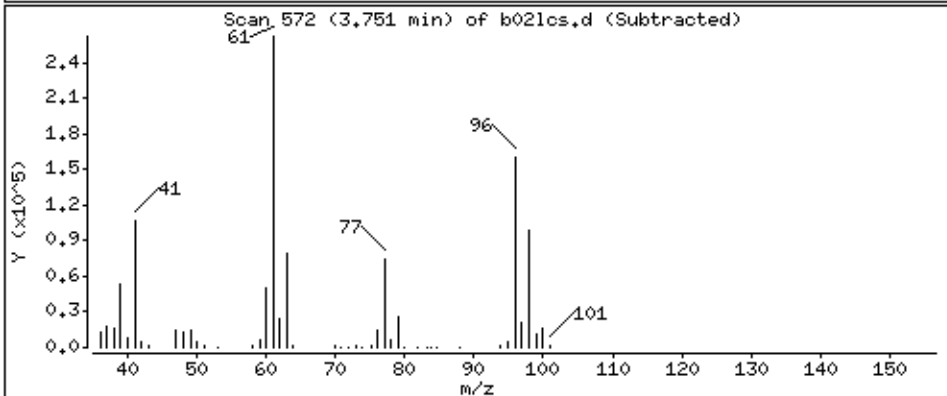
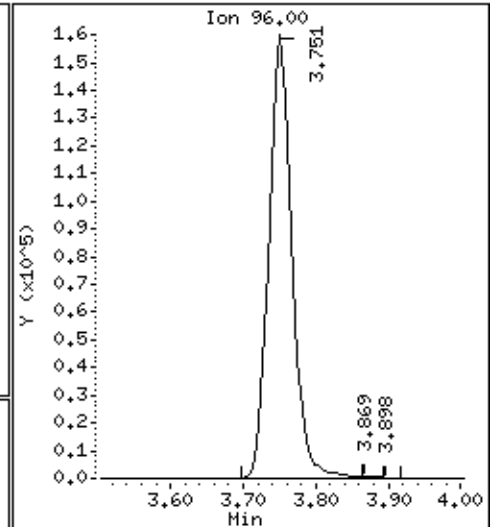
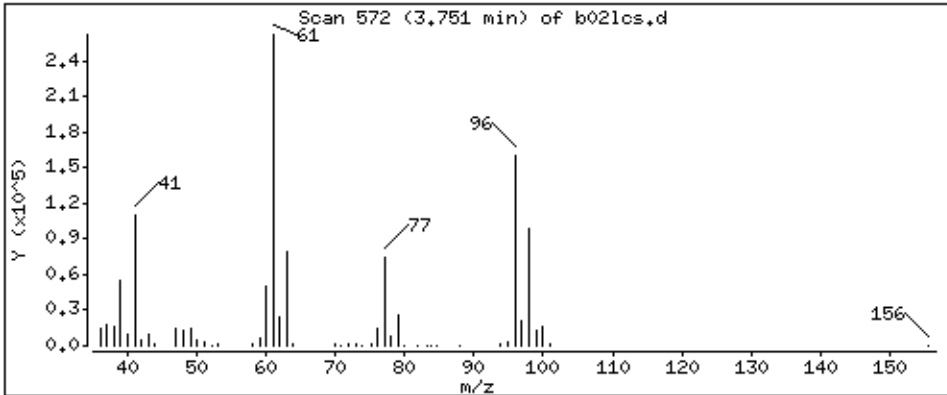
Operator: rsw

Column phase: DB-624

Column diameter: 0,18

28 1,2-Dichloroethene (cis)

Concentration: 51.5 ppb



Date : 01-JUL-2014 12:28

Client ID: 1121307

Instrument: 50mv4b.i

Sample Info: 1121307,71262;5

Purge Volume: 5.0

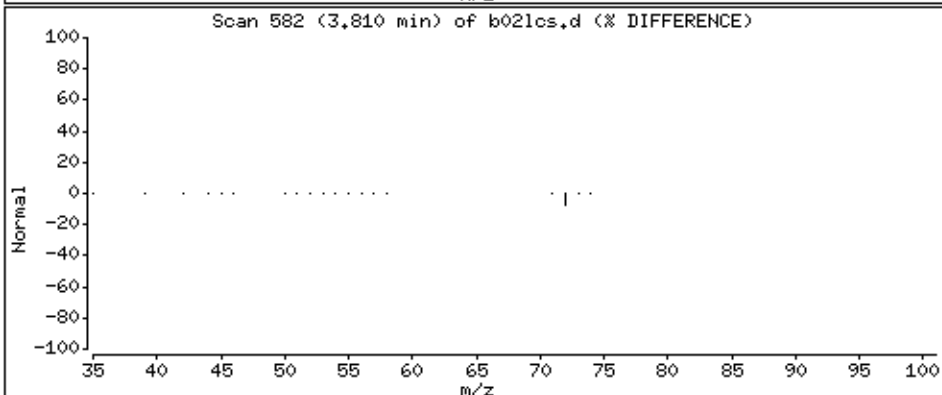
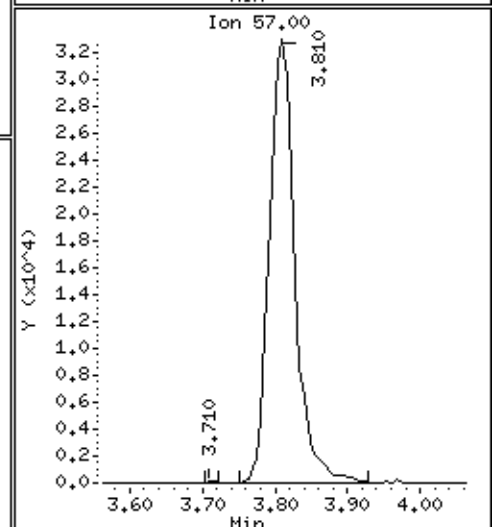
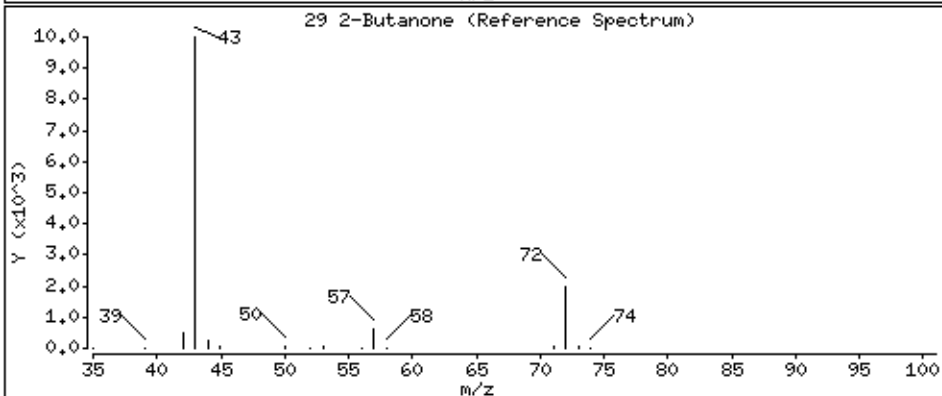
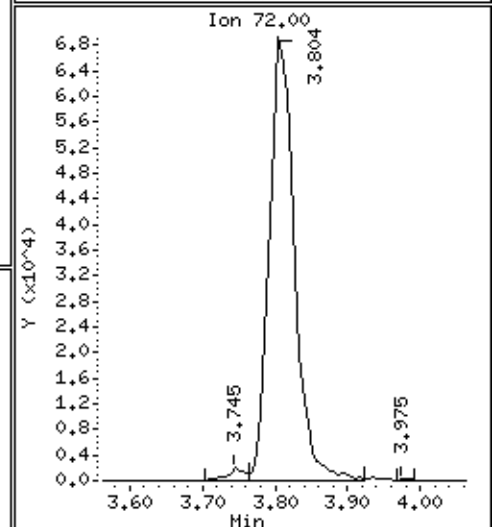
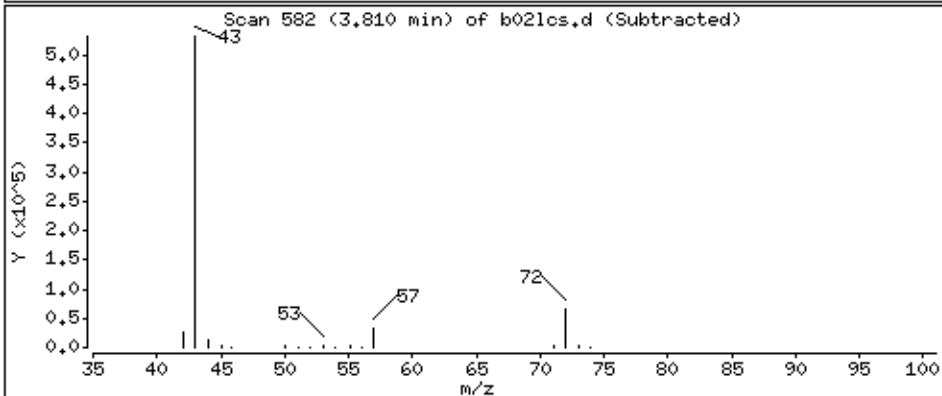
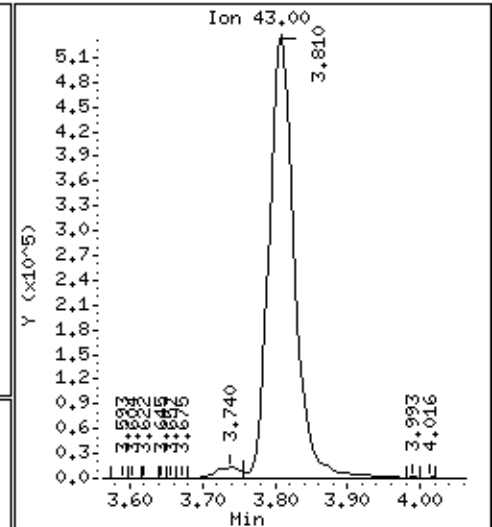
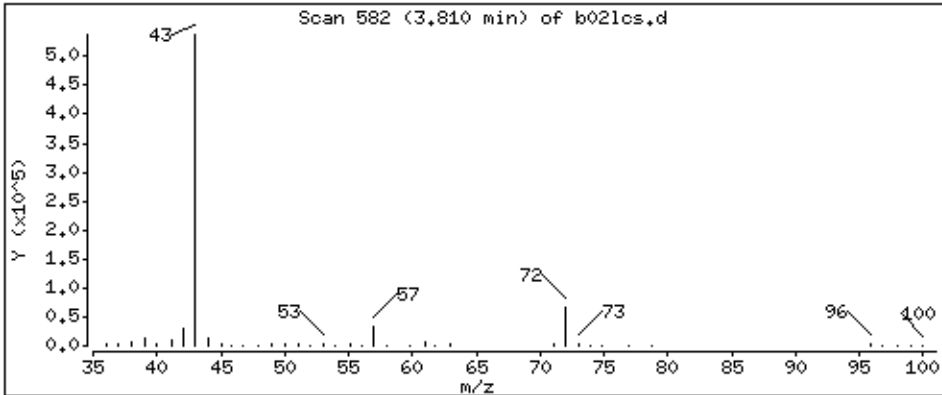
Operator: rsw

Column phase: DB-624

Column diameter: 0,18

29 2-Butanone

Concentration: 304 ppb



Date : 01-JUL-2014 12:28

Client ID: 1121307

Instrument: 50mv4b.i

Sample Info: 1121307,71262;5

Purge Volume: 5.0

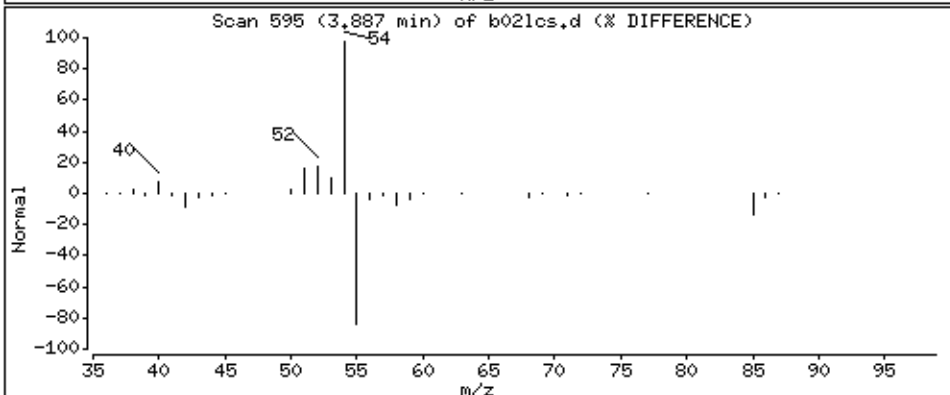
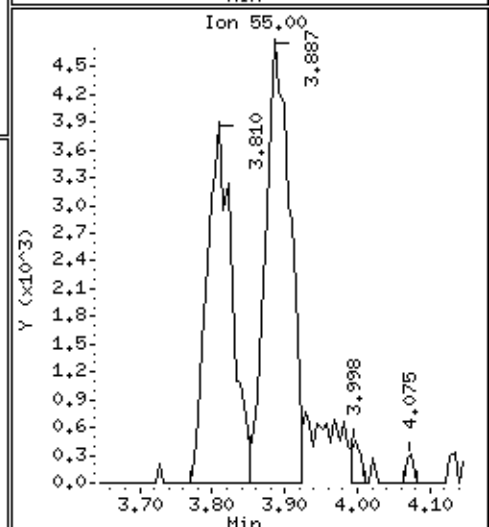
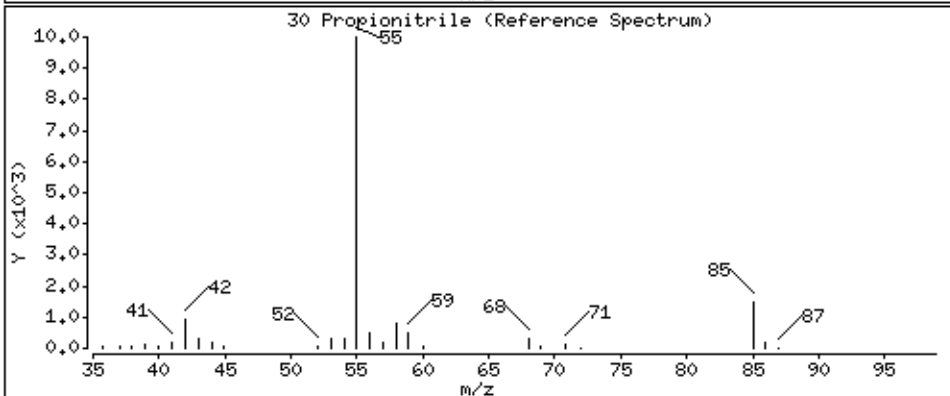
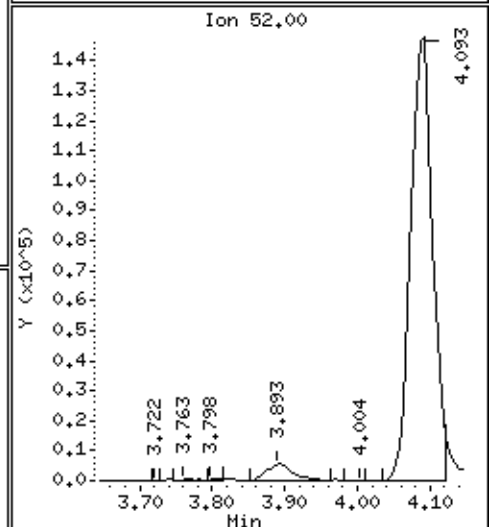
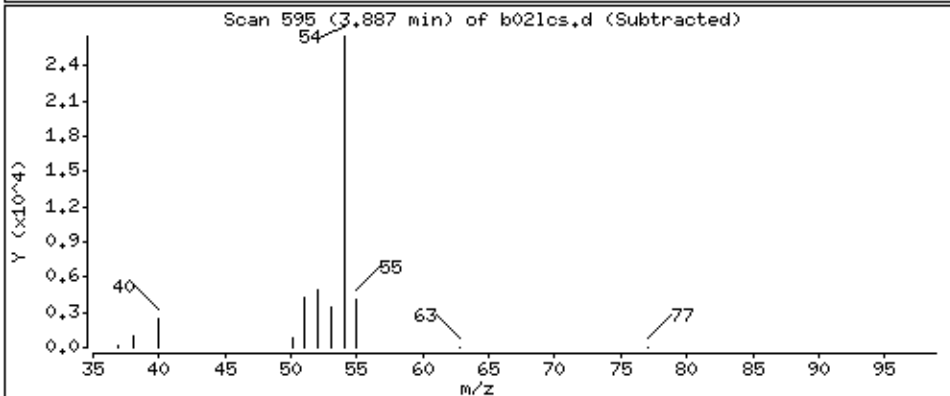
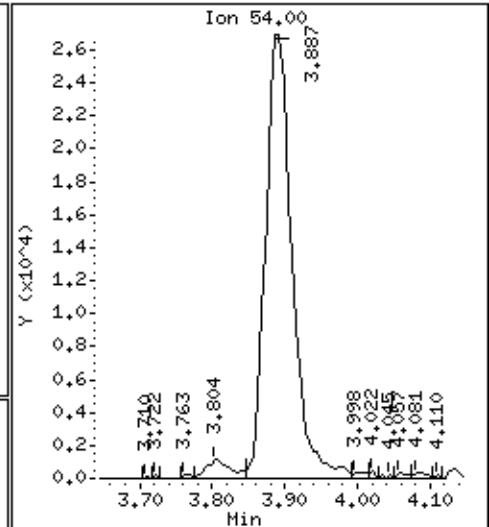
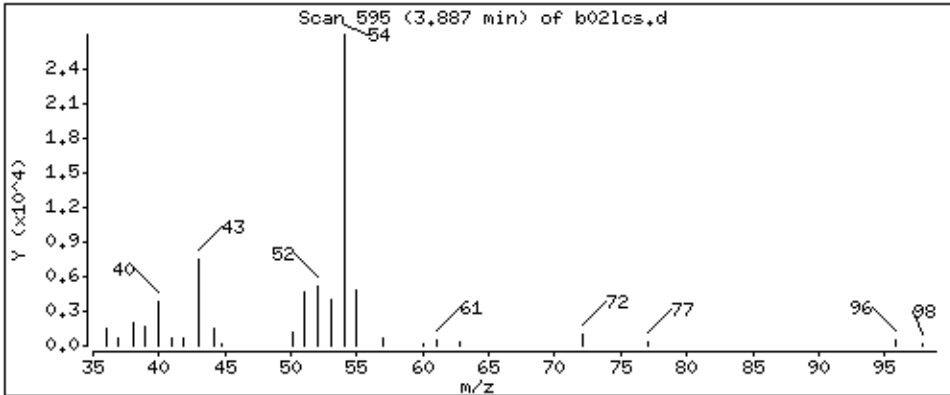
Operator: rsw

Column phase: DB-624

Column diameter: 0,18

30 Propionitrile

Concentration: 50,7 ppb



Date : 01-JUL-2014 12:28

Client ID: 1121307

Instrument: 50mv4b.i

Sample Info: 1121307,71262;5

Purge Volume: 5.0

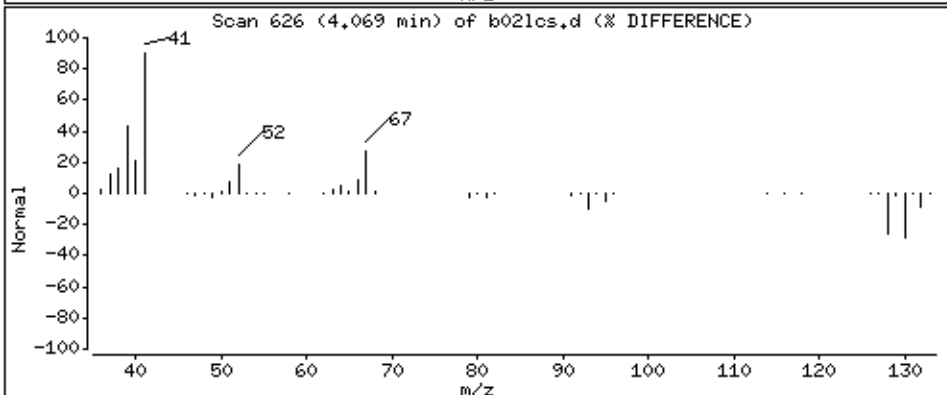
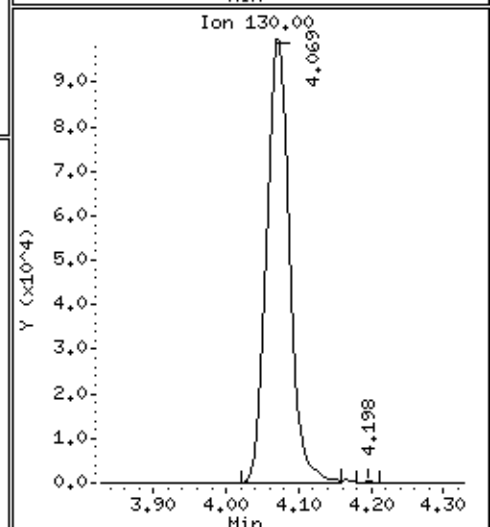
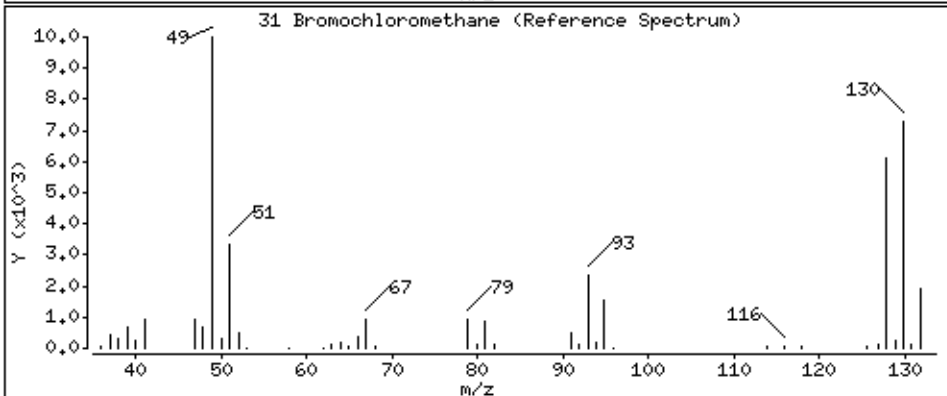
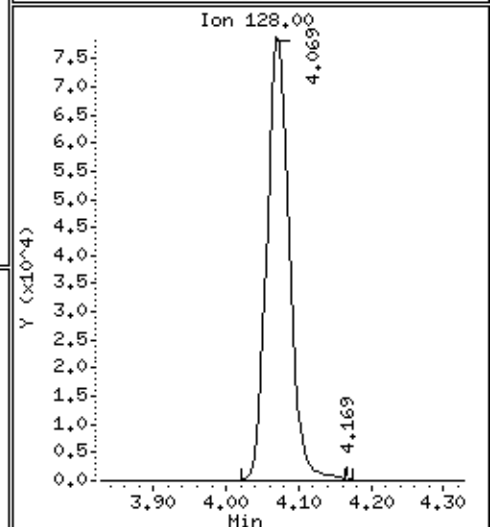
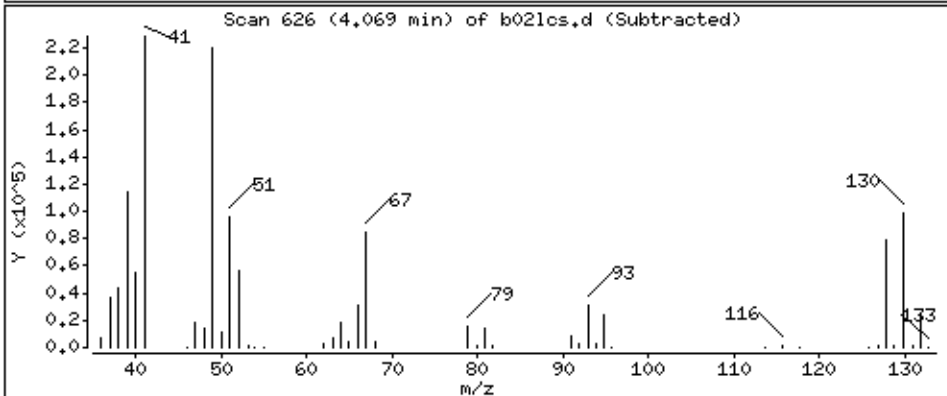
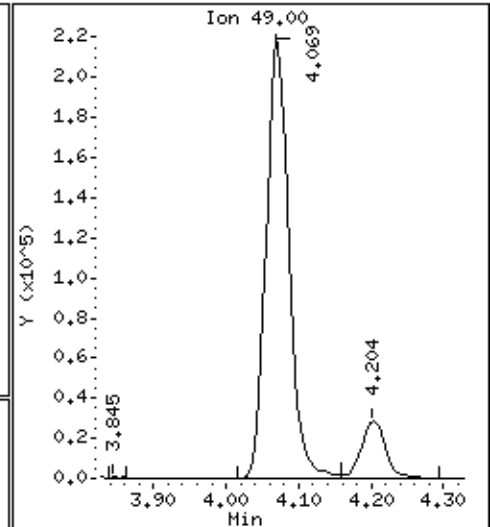
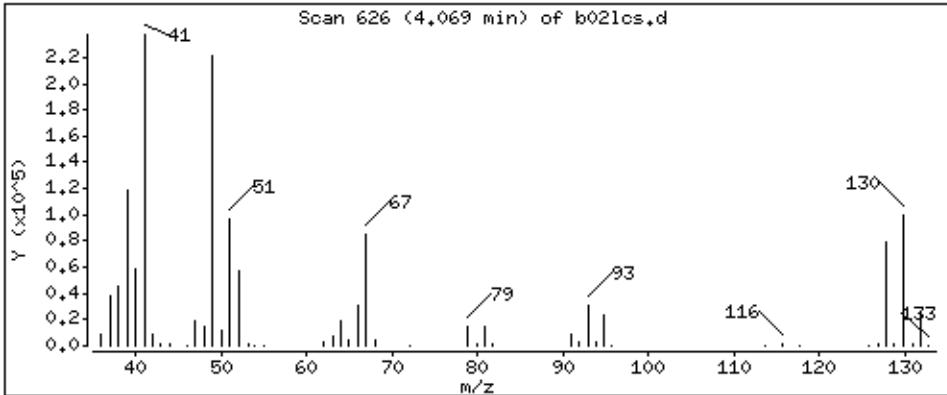
Operator: rsw

Column phase: DB-624

Column diameter: 0,18

31 Bromochloromethane

Concentration: 50,4 ppb



Date : 01-JUL-2014 12:28

Client ID: 1121307

Instrument: 50mv4b.i

Sample Info: 1121307,71262;5

Purge Volume: 5.0

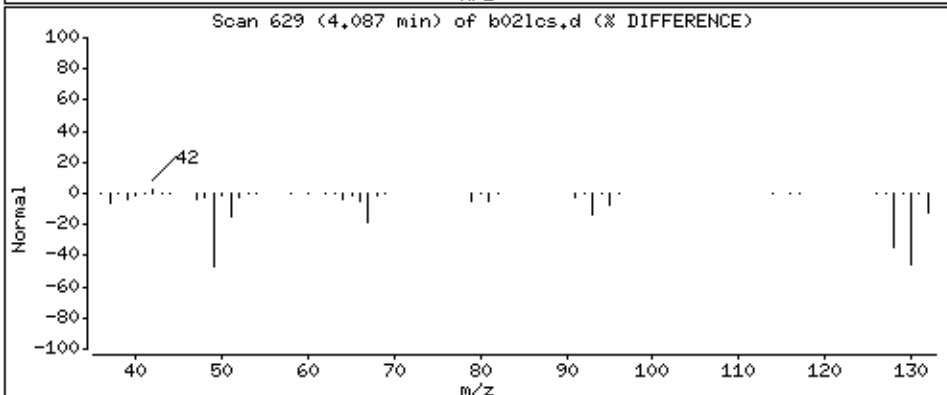
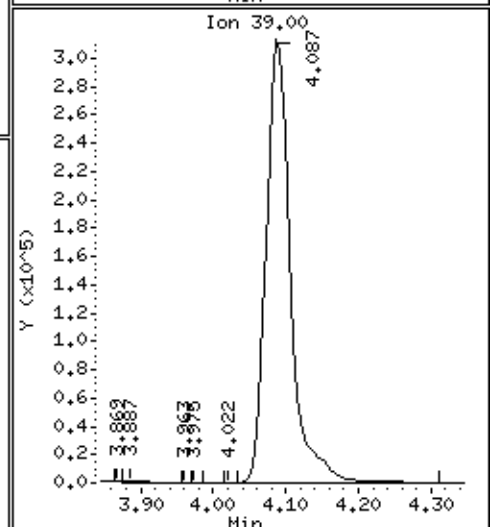
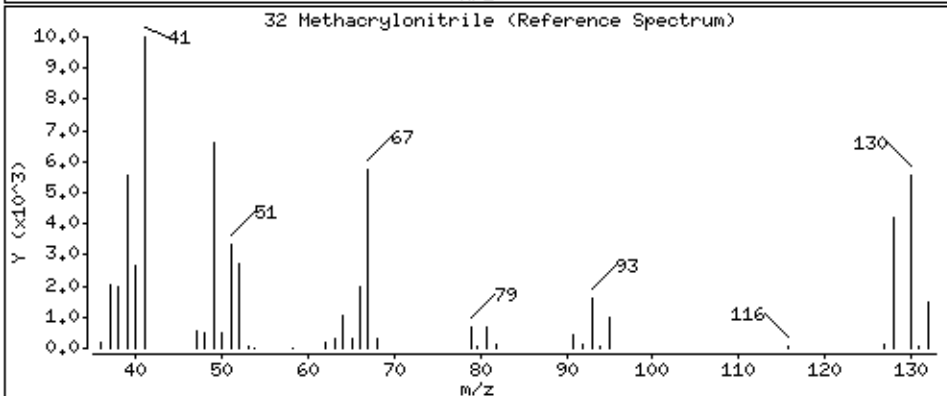
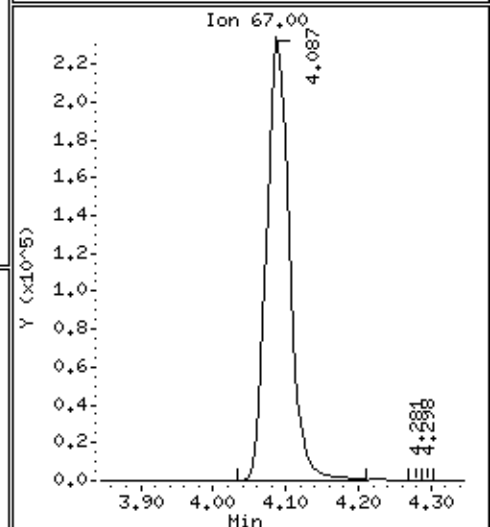
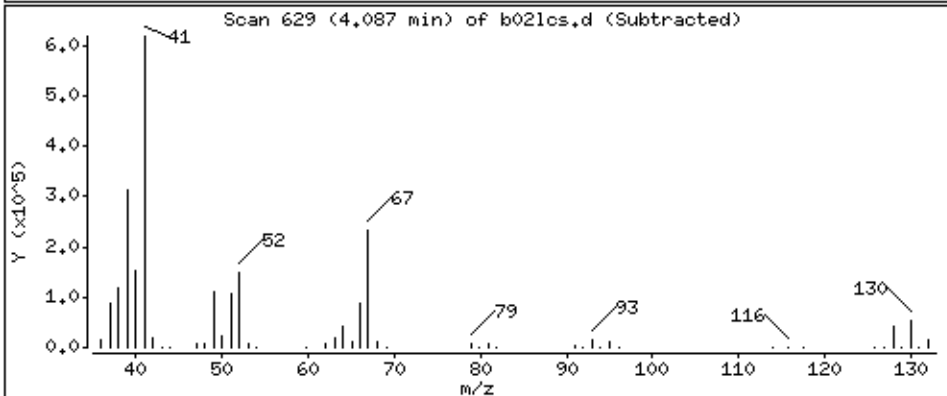
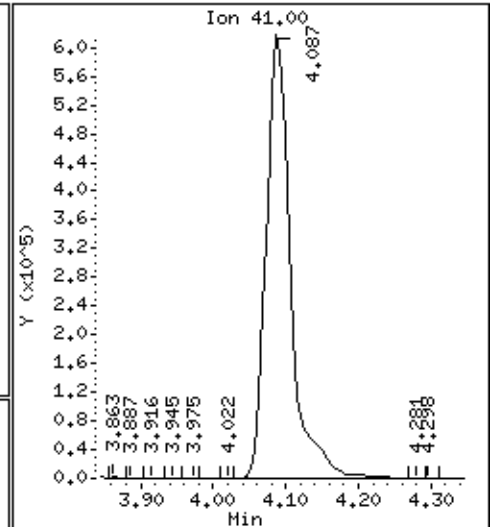
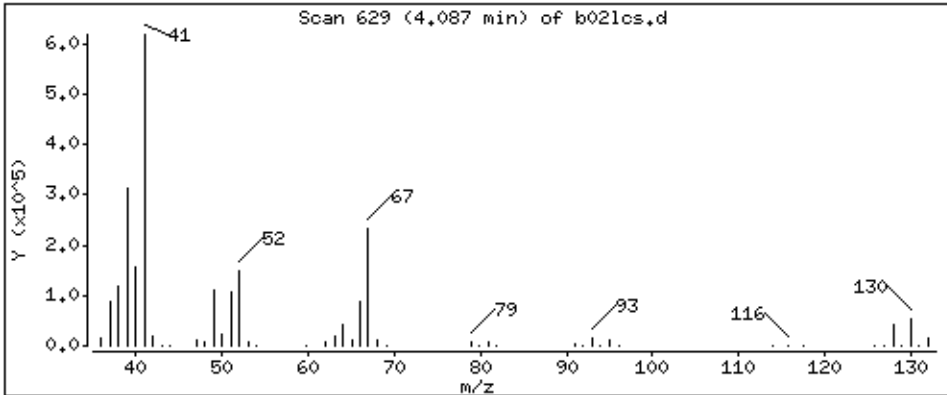
Operator: rsw

Column phase: DB-624

Column diameter: 0,18

32 Methacrylonitrile

Concentration: 243 ppb



Date : 01-JUL-2014 12:28

Client ID: 1121307

Instrument: 50mv4b.i

Sample Info: 1121307,71262;5

Purge Volume: 5.0

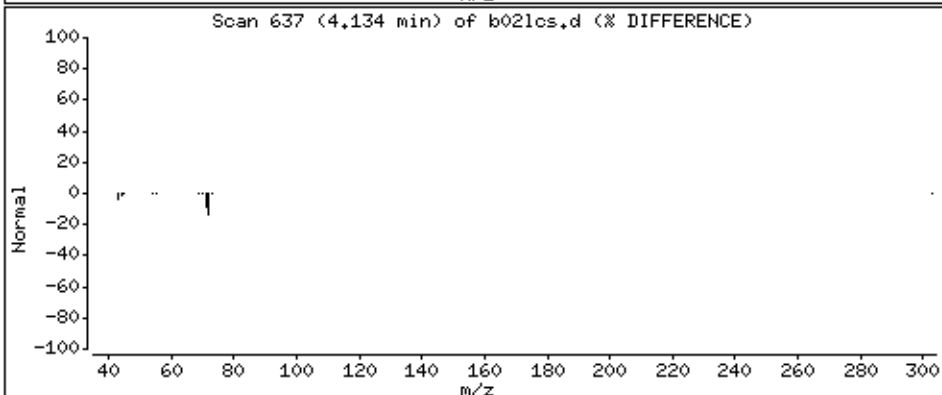
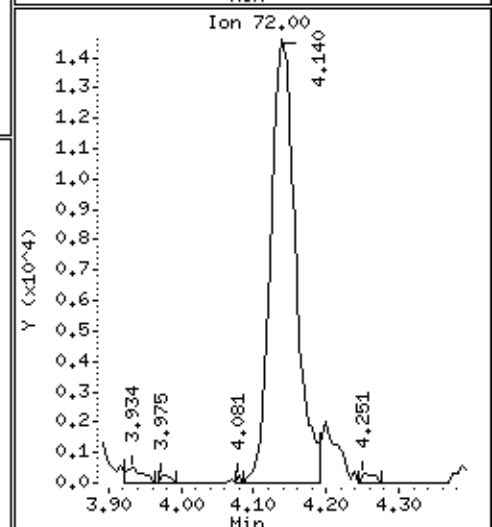
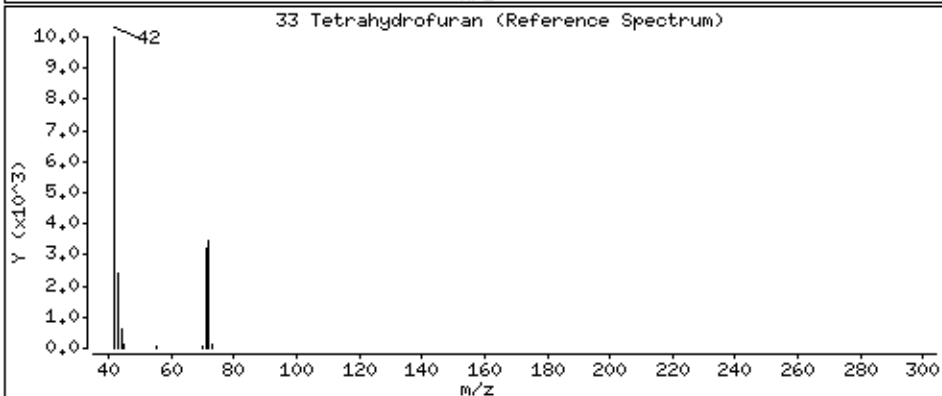
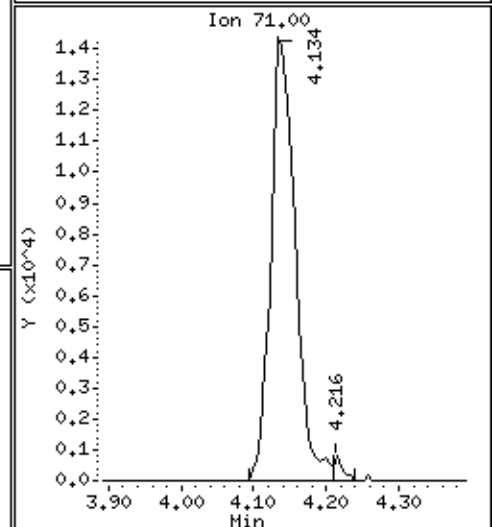
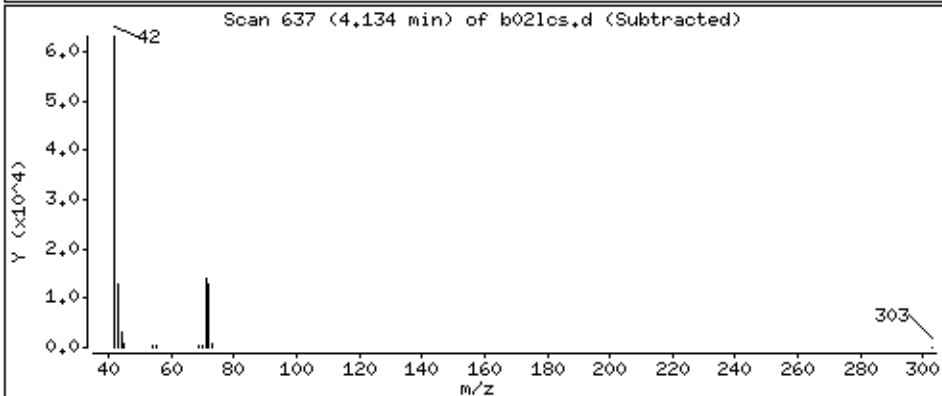
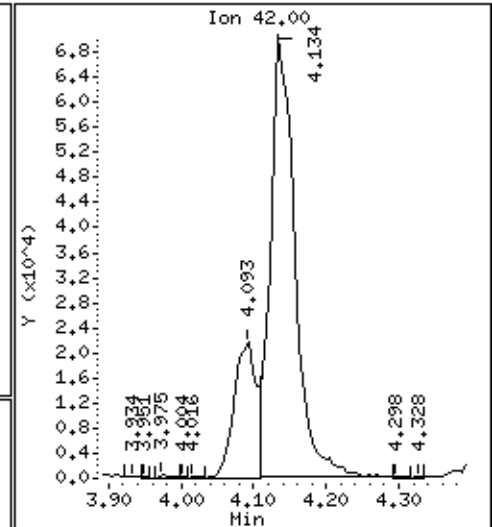
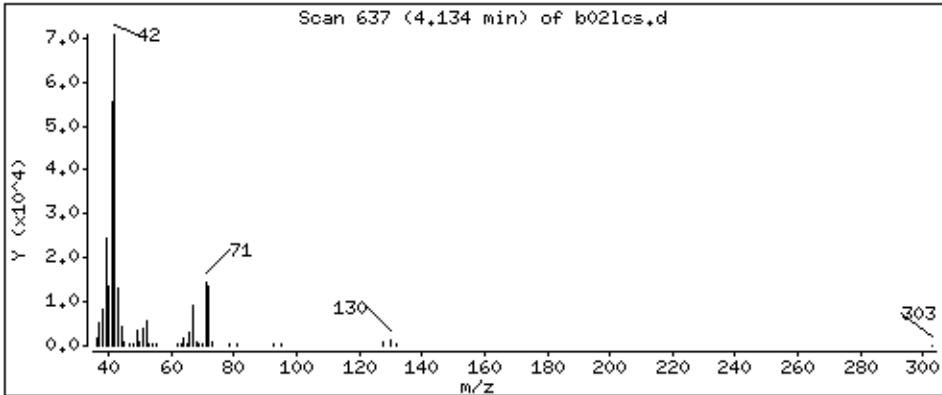
Operator: rsw

Column phase: DB-624

Column diameter: 0,18

33 Tetrahydrofuran

Concentration: 44,0 ppb



Date : 01-JUL-2014 12:28

Client ID: 1121307

Instrument: 50mv4b.i

Sample Info: 1121307,71262;5

Purge Volume: 5.0

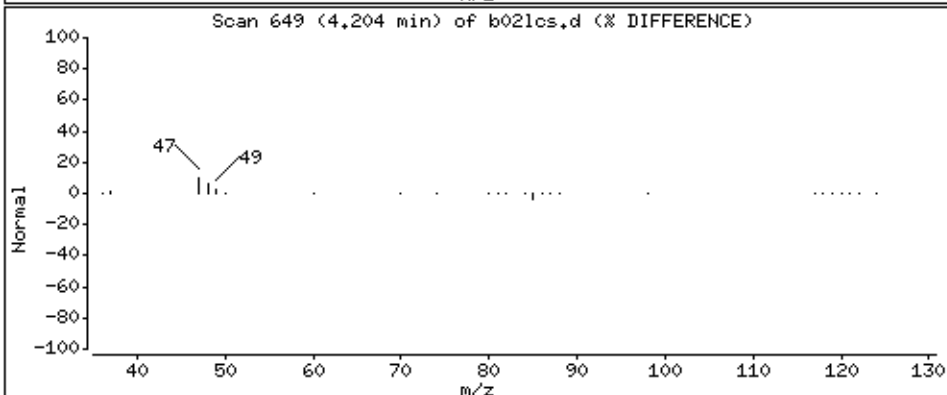
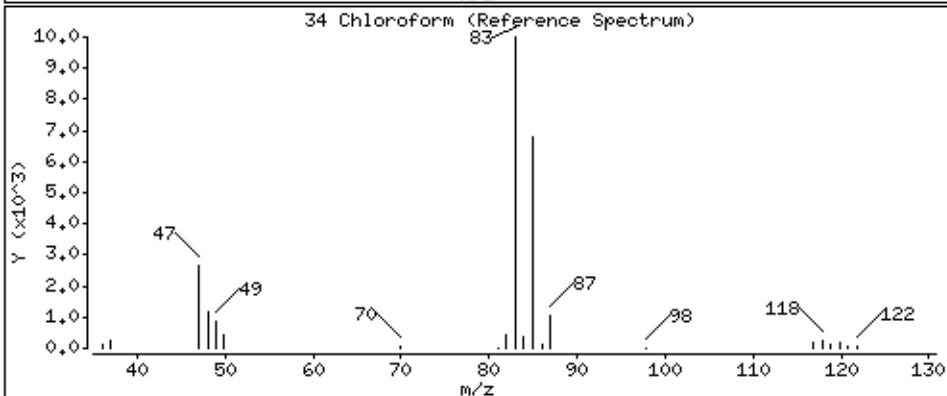
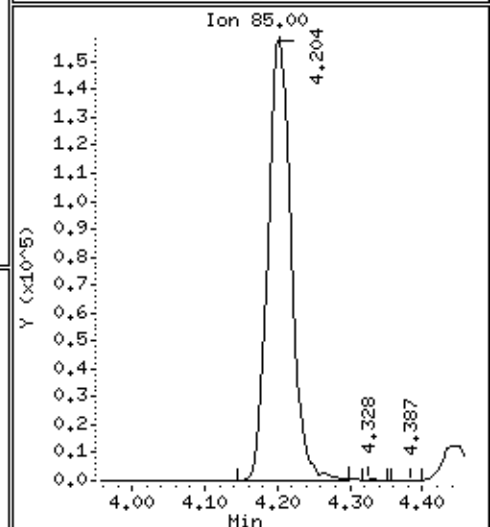
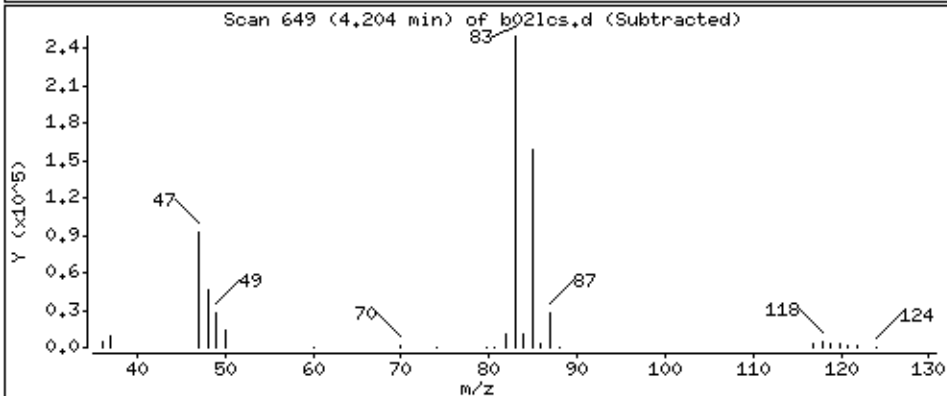
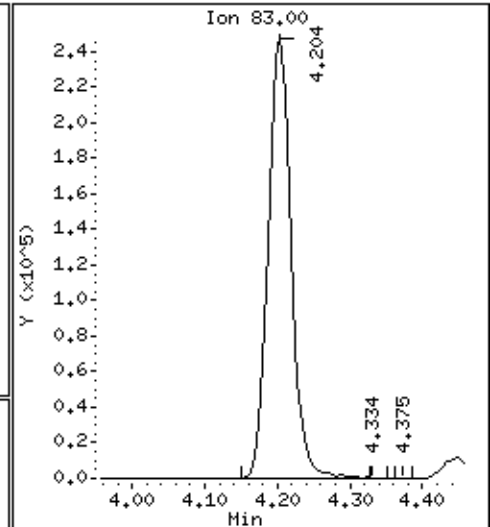
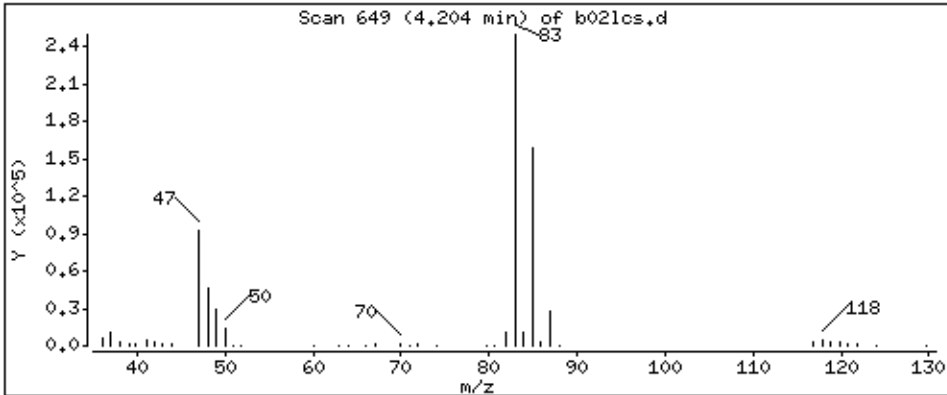
Operator: rsw

Column phase: DB-624

Column diameter: 0,18

34 Chloroform

Concentration: 50,1 ppb



Date : 01-JUL-2014 12:28

Client ID: 1121307

Instrument: 50mv4b.i

Sample Info: 1121307,71262;5

Purge Volume: 5.0

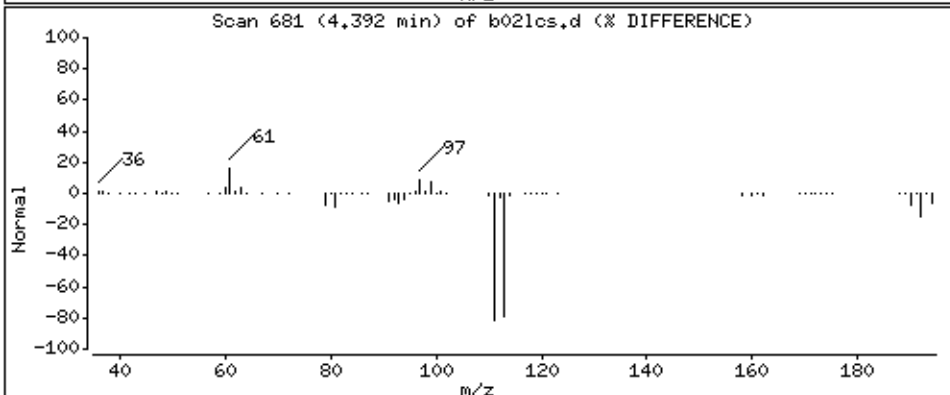
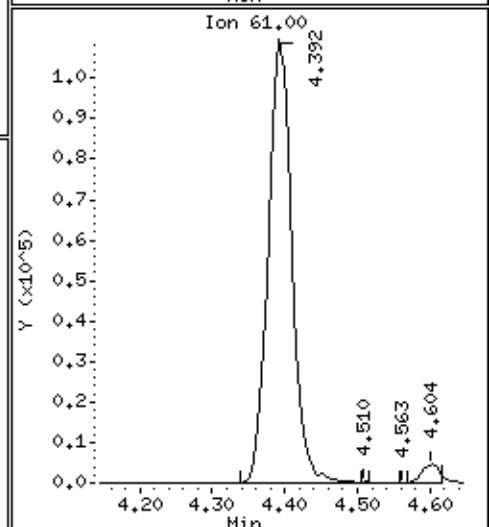
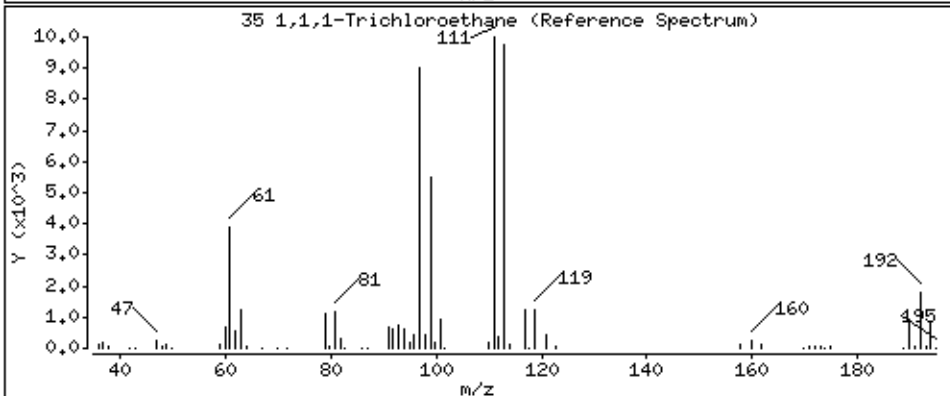
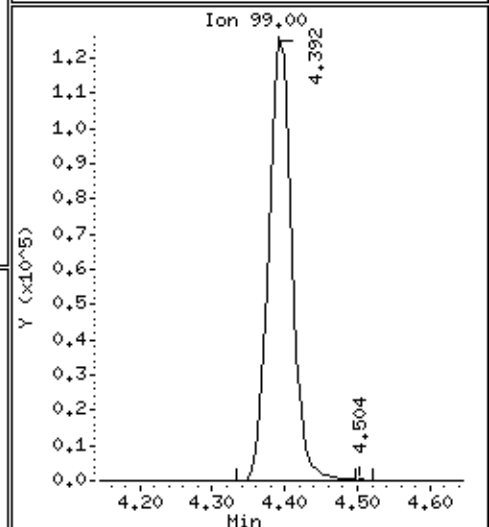
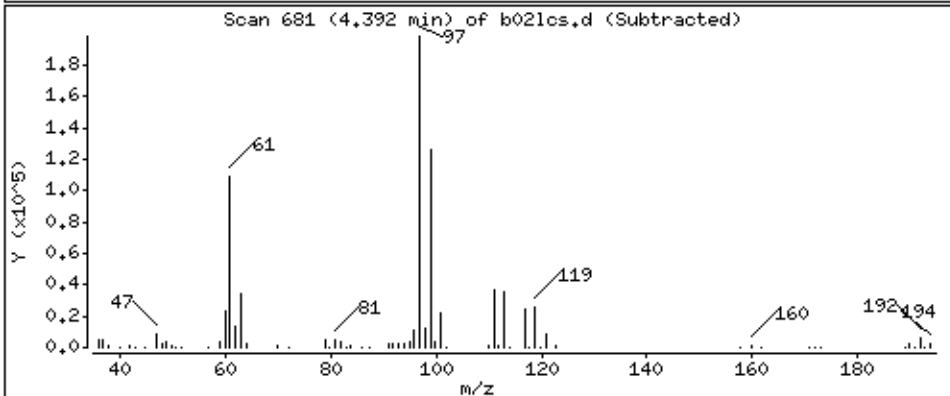
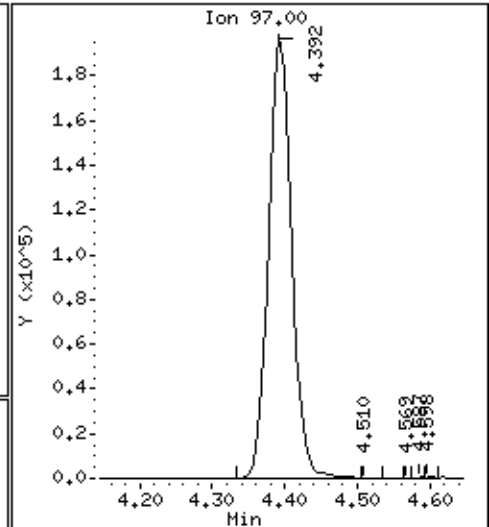
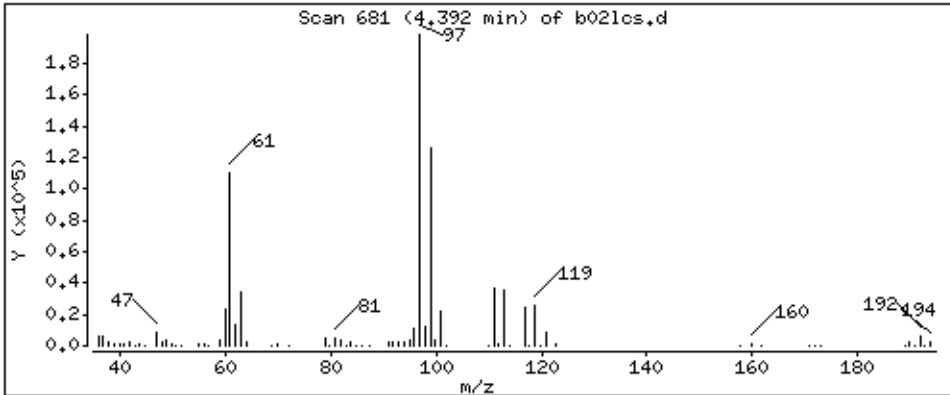
Operator: rsw

Column phase: DB-624

Column diameter: 0,18

35 1,1,1-Trichloroethane

Concentration: 56,4 ppb



Date : 01-JUL-2014 12:28

Client ID: 1121307

Instrument: 50mv4b.i

Sample Info: 1121307,71262;5

Purge Volume: 5.0

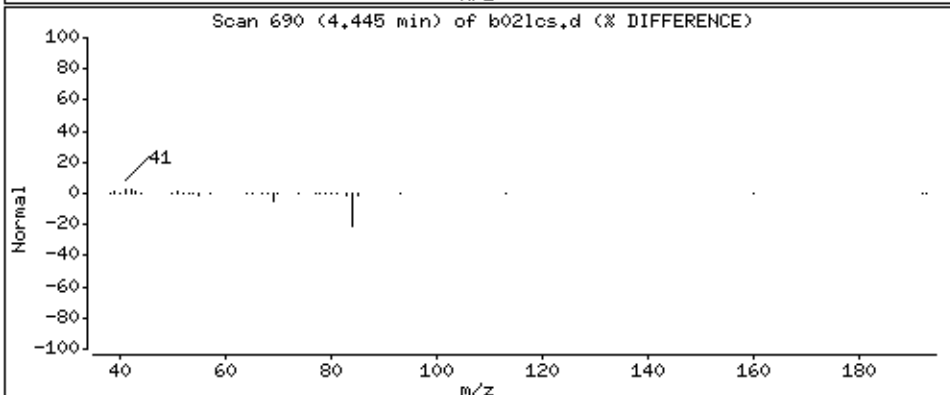
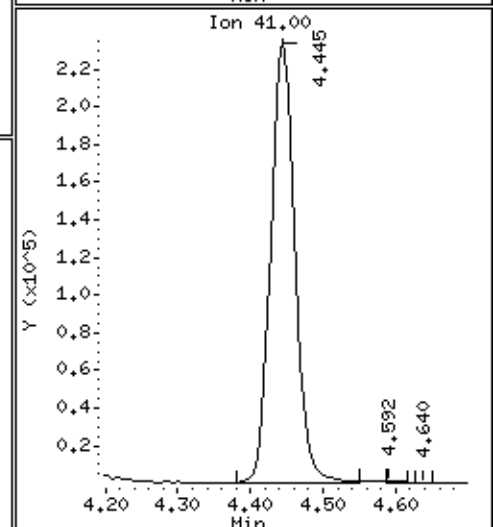
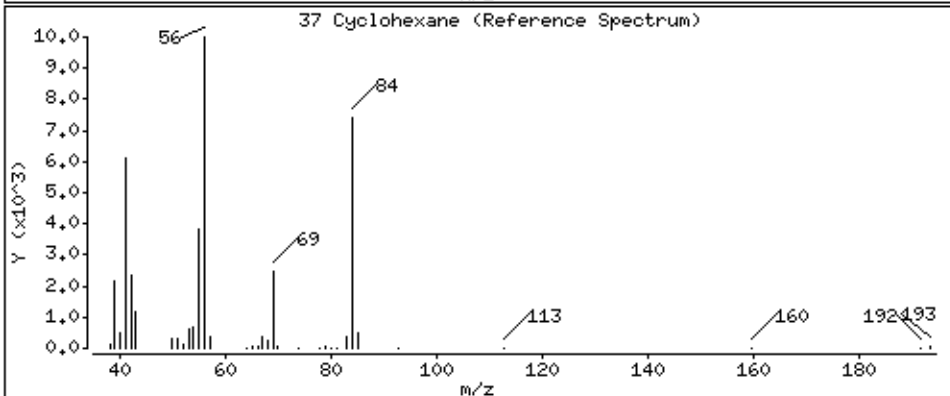
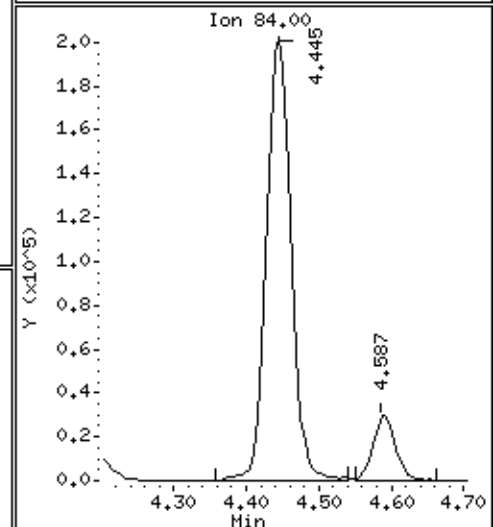
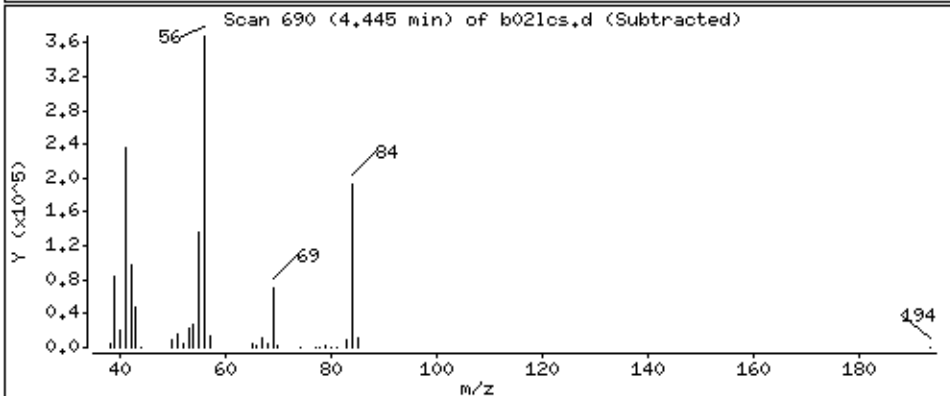
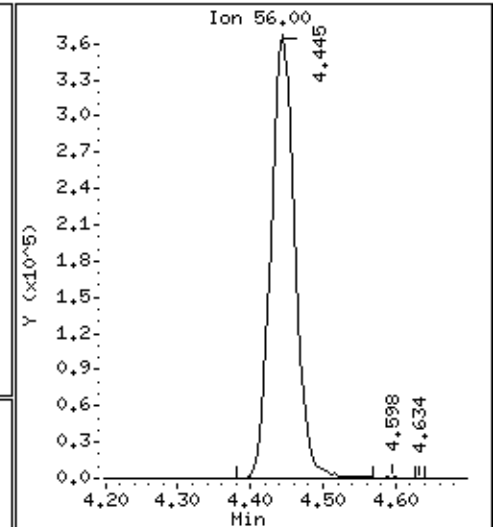
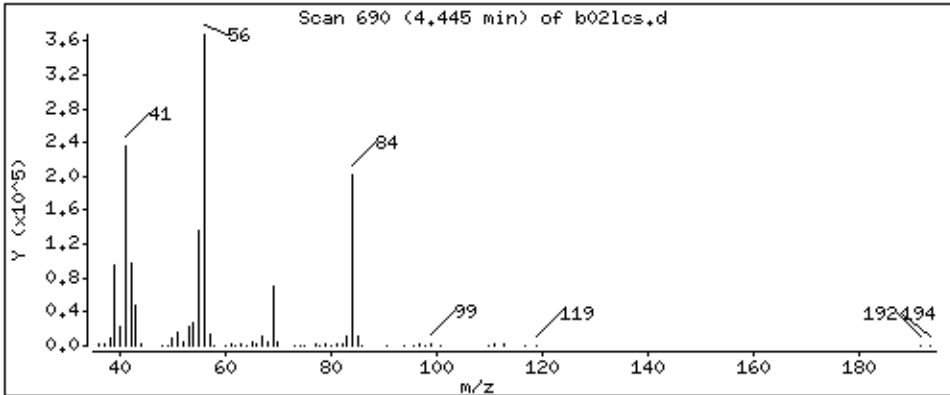
Operator: rsw

Column phase: DB-624

Column diameter: 0,18

37 Cyclohexane

Concentration: 61,1 ppb



Date : 01-JUL-2014 12:28

Client ID: 1121307

Instrument: 50mv4b.i

Sample Info: 1121307,71262;5

Purge Volume: 5.0

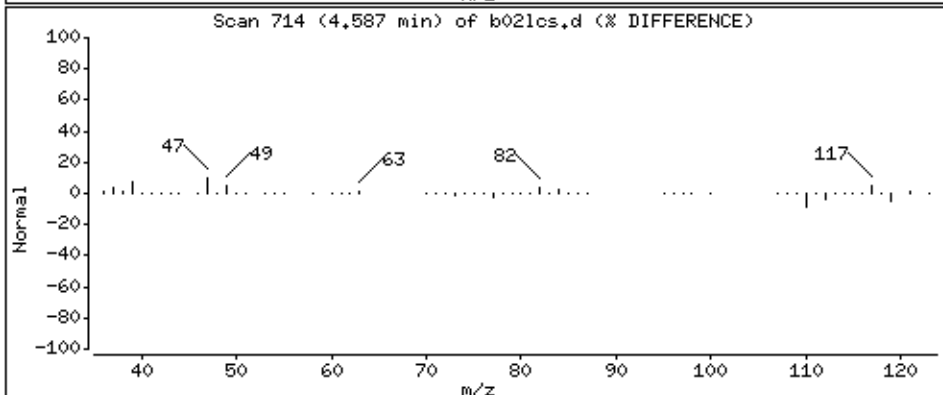
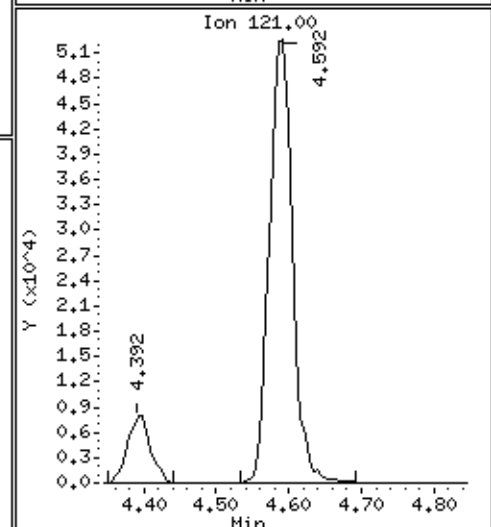
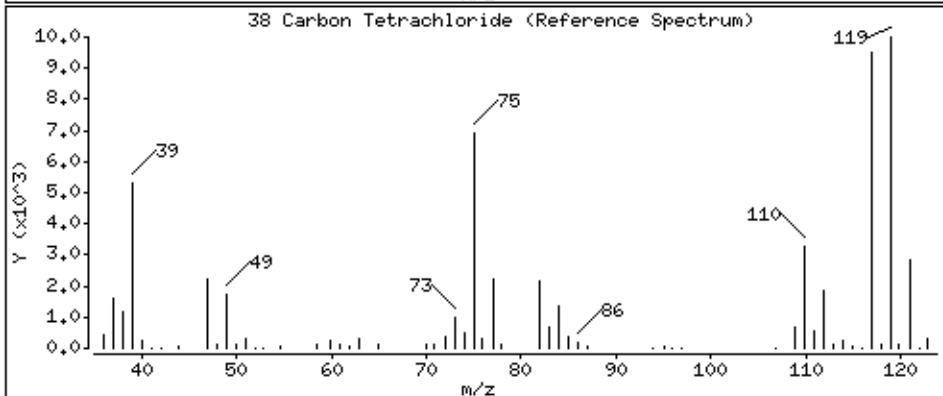
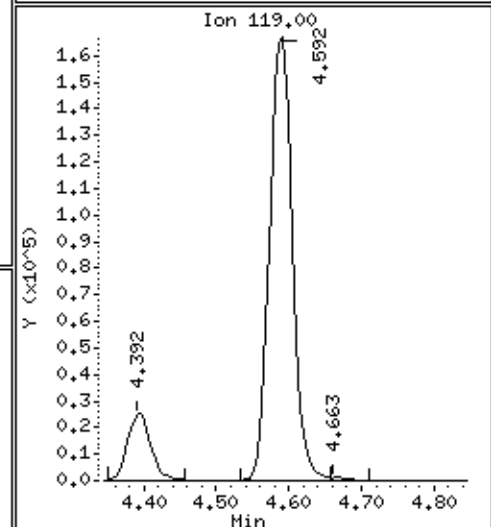
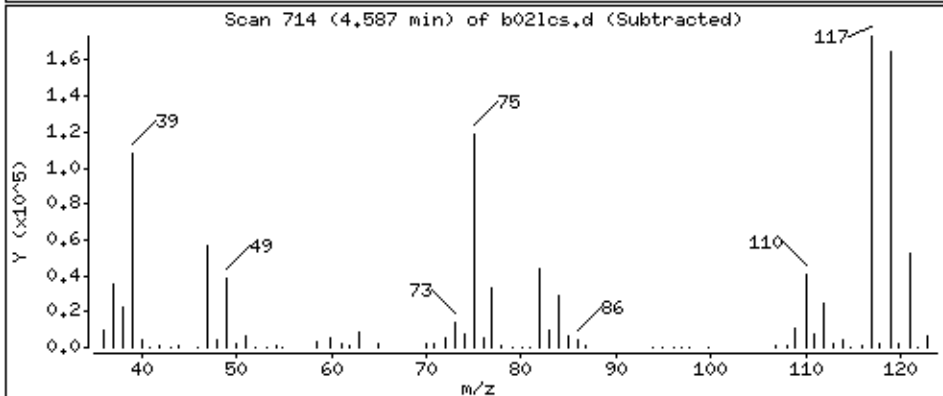
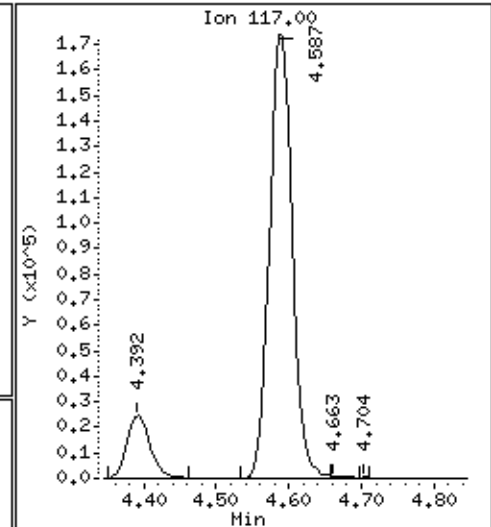
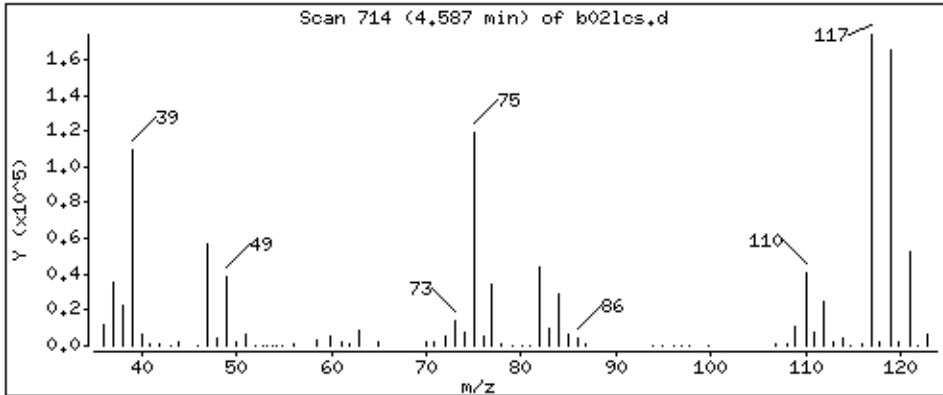
Operator: rsw

Column phase: DB-624

Column diameter: 0,18

38 Carbon Tetrachloride

Concentration: 56,3 ppb



Date : 01-JUL-2014 12:28

Client ID: 1121307

Instrument: 50mv4b.i

Sample Info: 1121307,71262;5

Purge Volume: 5.0

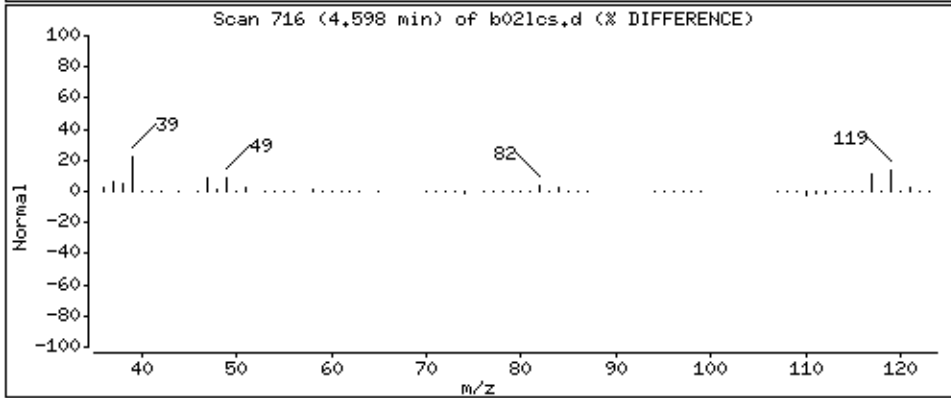
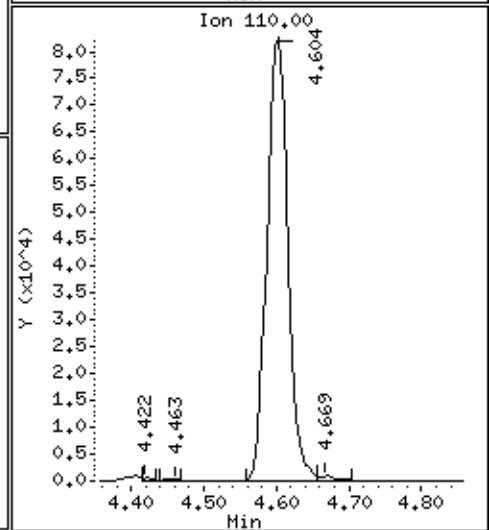
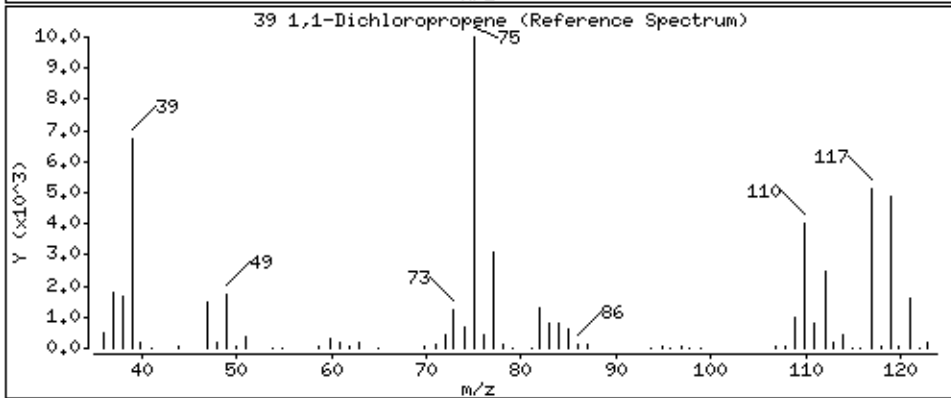
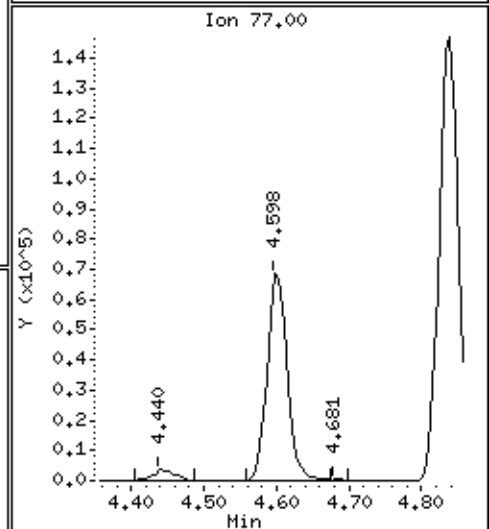
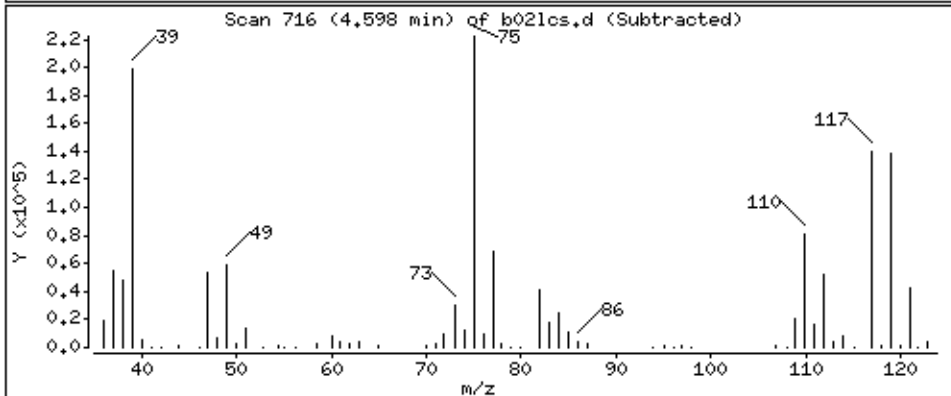
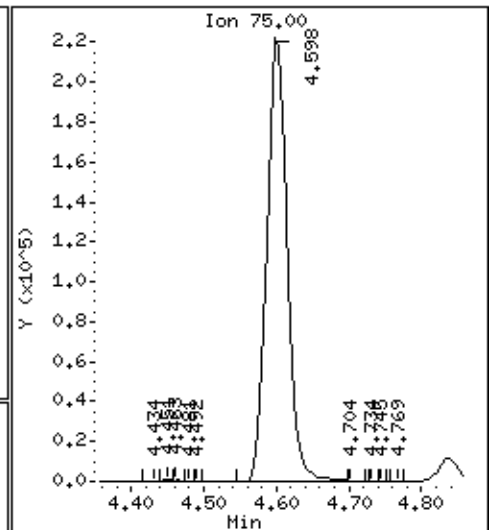
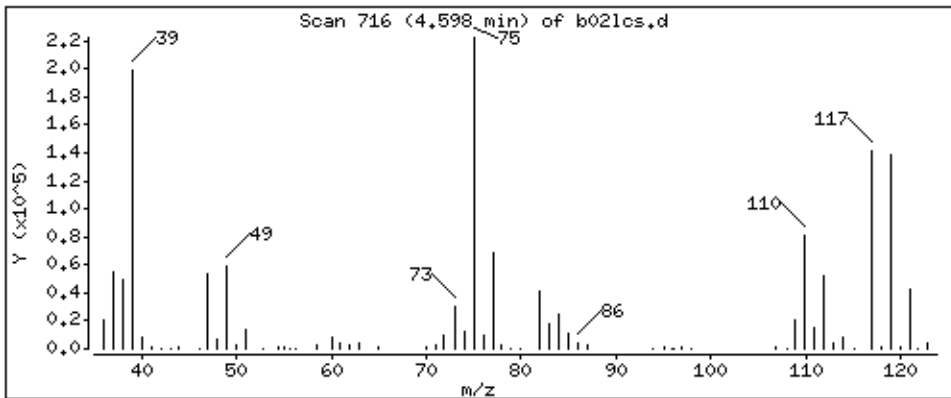
Operator: rsw

Column phase: DB-624

Column diameter: 0,18

39 1,1-Dichloropropene

Concentration: 56,2 ppb



Date : 01-JUL-2014 12:28

Client ID: 1121307

Instrument: 50mv4b.i

Sample Info: 1121307,71262;5

Purge Volume: 5.0

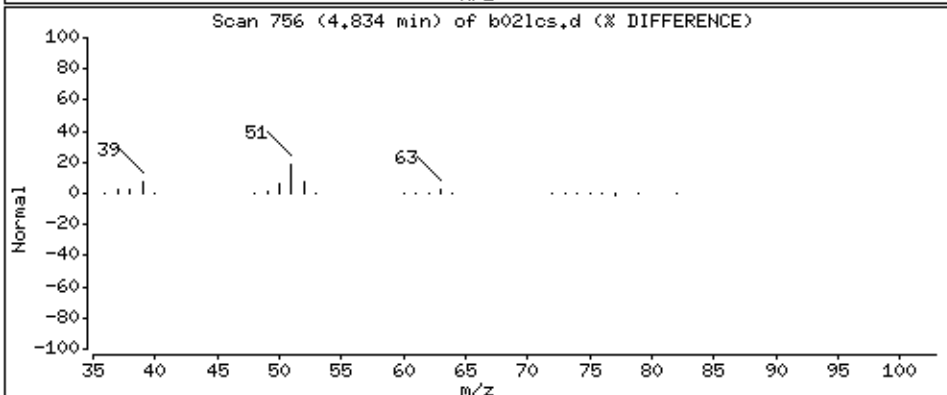
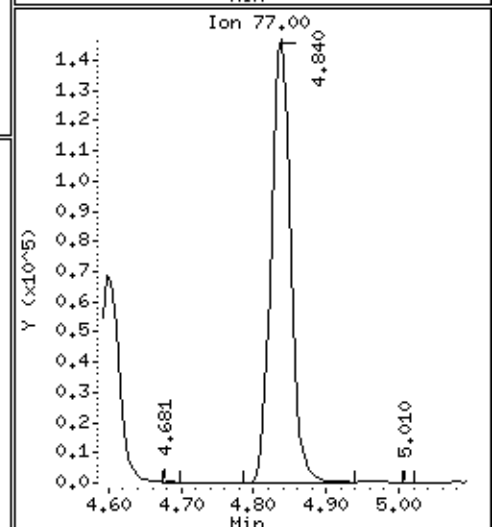
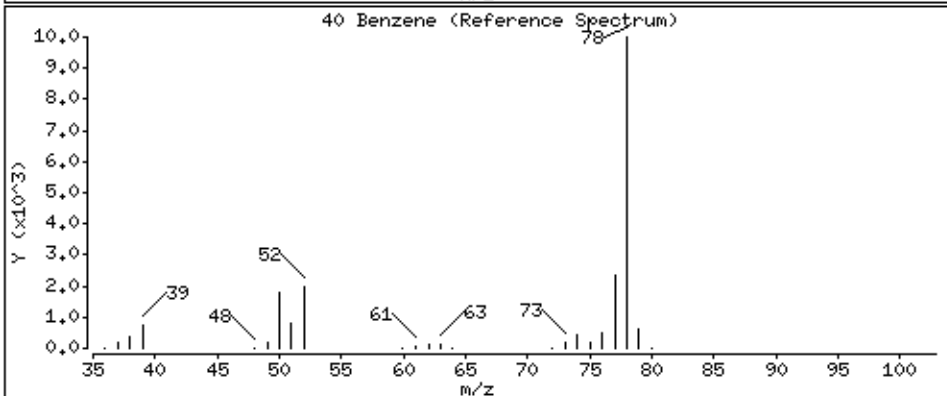
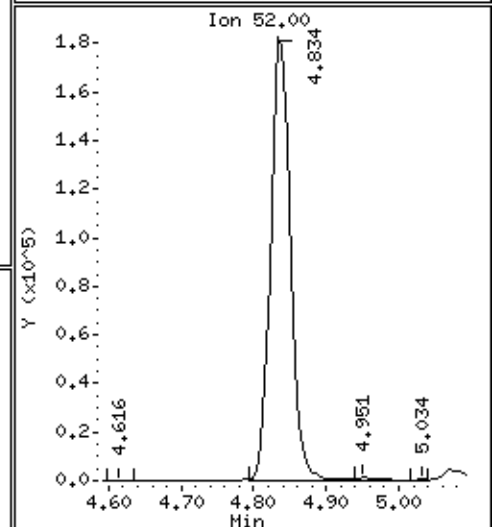
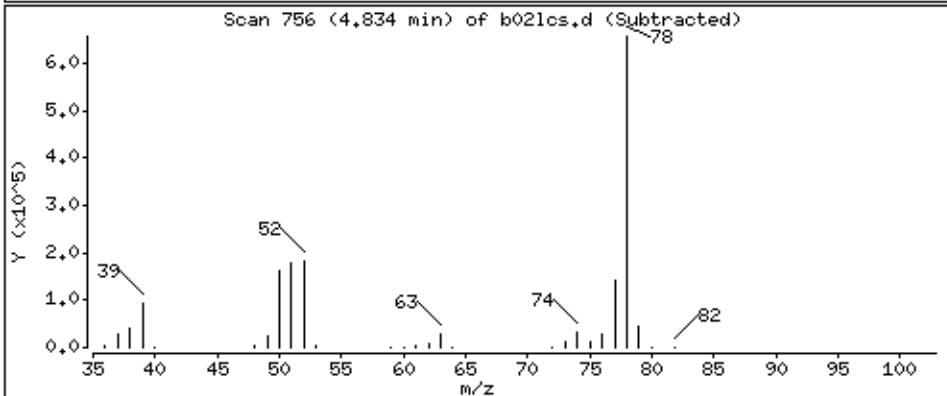
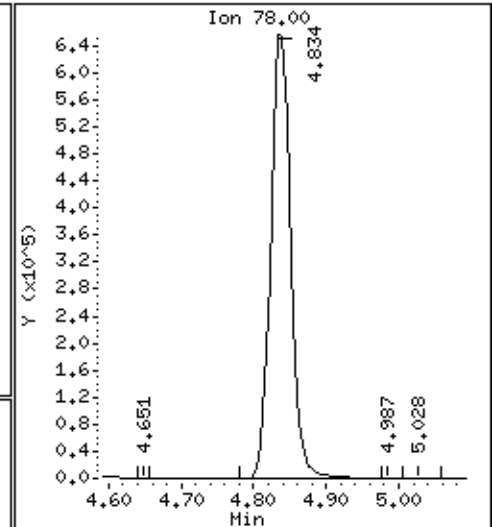
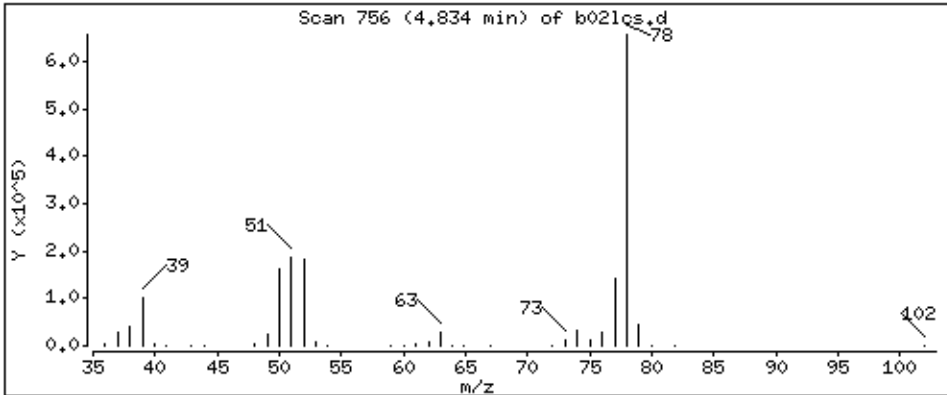
Operator: rsw

Column phase: DB-624

Column diameter: 0,18

40 Benzene

Concentration: 52.9 ppb



Date : 01-JUL-2014 12:28

Client ID: 1121307

Instrument: 50mv4b.i

Sample Info: 1121307,71262;5

Purge Volume: 5.0

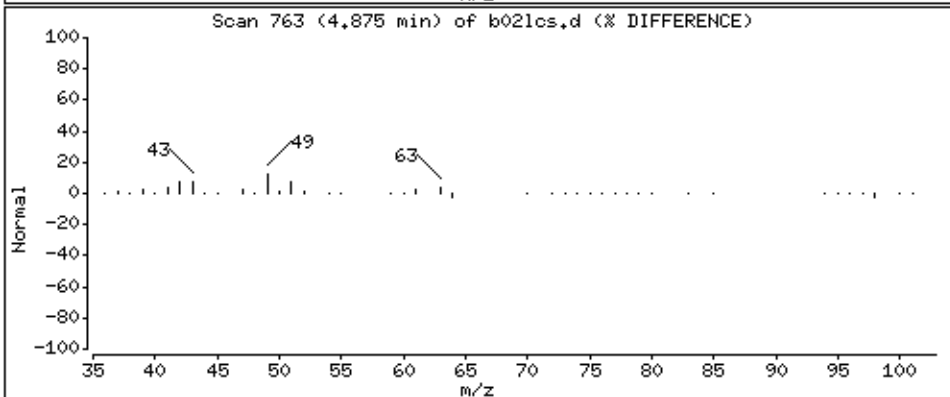
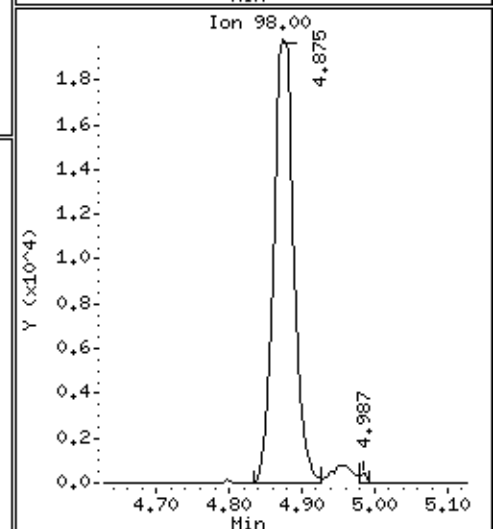
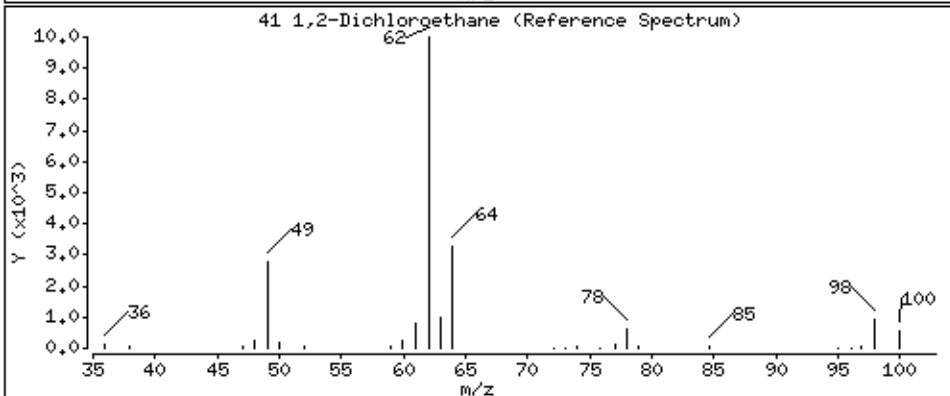
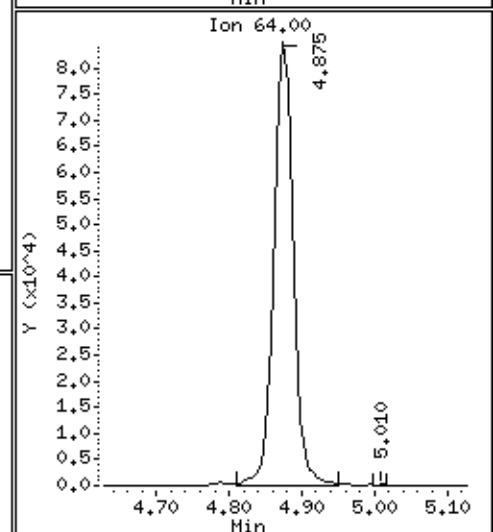
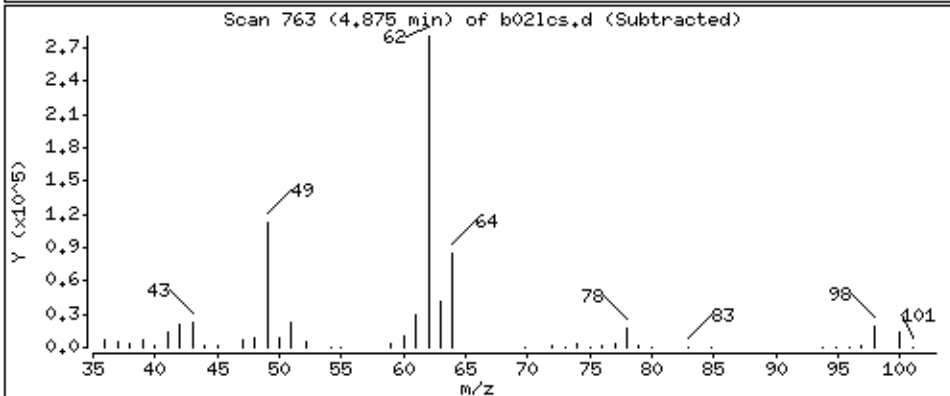
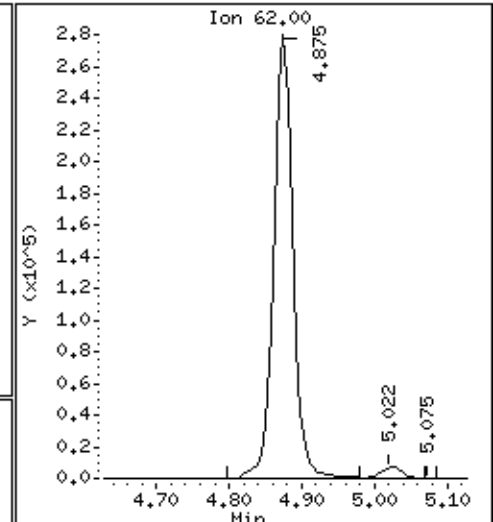
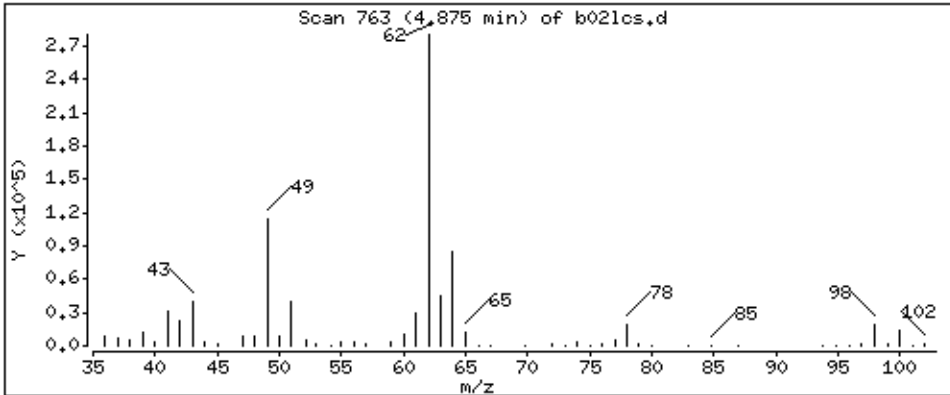
Operator: rsw

Column phase: DB-624

Column diameter: 0,18

41 1,2-Dichloroethane

Concentration: 47.8 ppb



Date : 01-JUL-2014 12:28

Client ID: 1121307

Instrument: 50mv4b.i

Sample Info: 1121307,71262;5

Purge Volume: 5.0

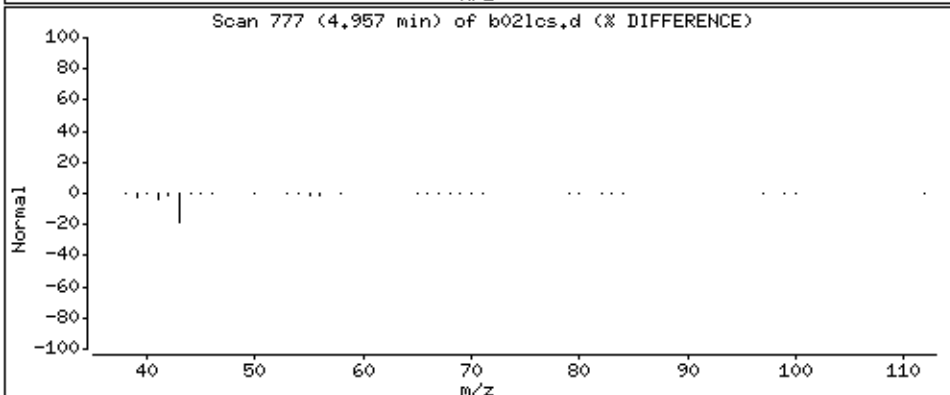
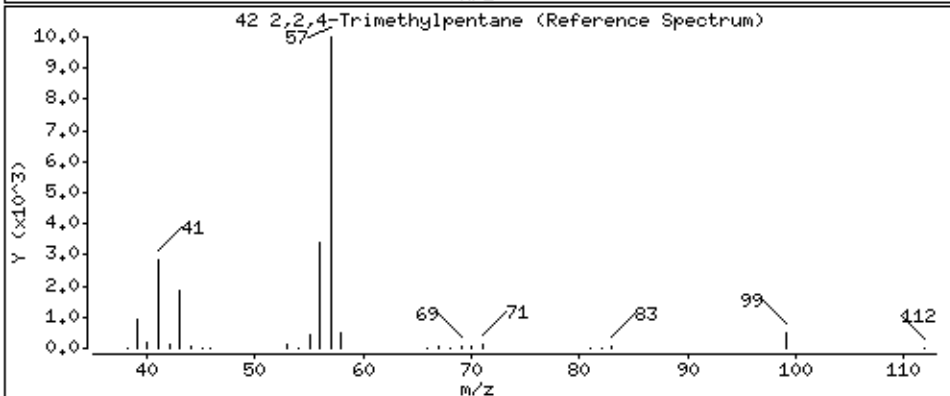
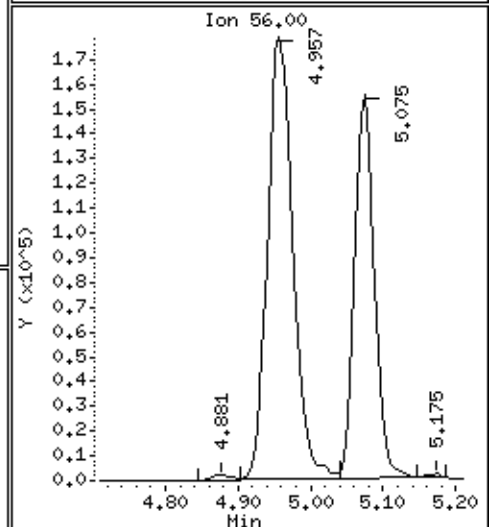
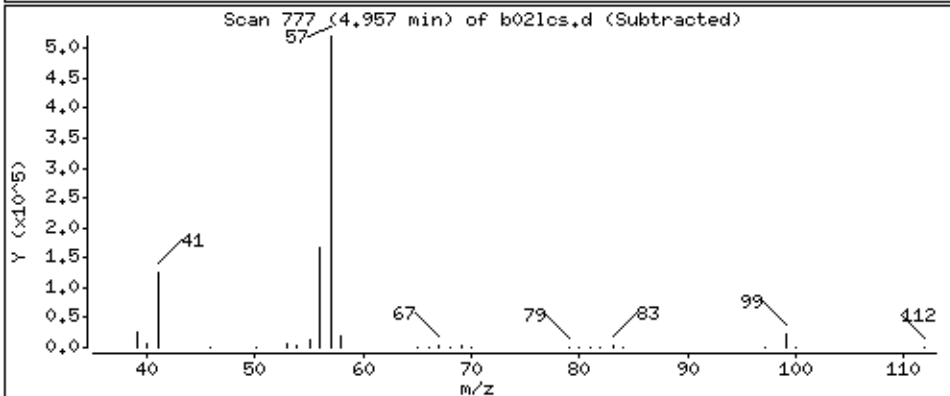
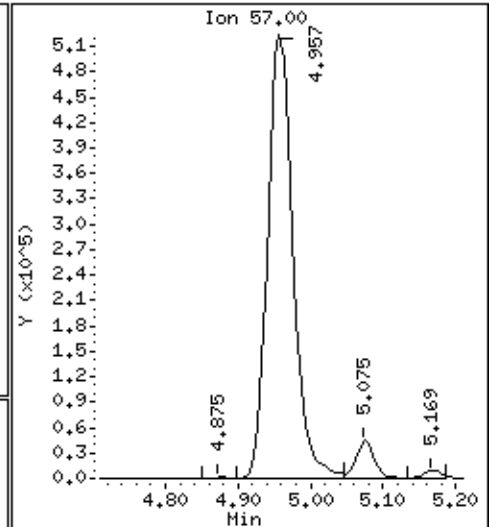
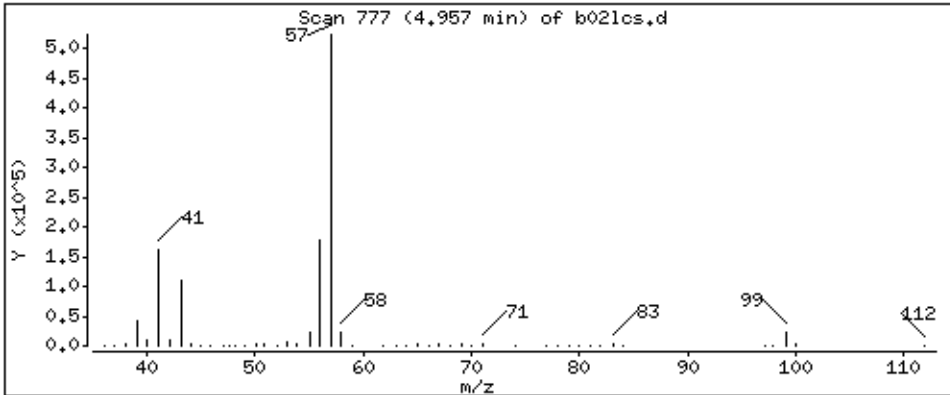
Operator: rsw

Column phase: DB-624

Column diameter: 0,18

42 2,2,4-Trimethylpentane

Concentration: 57,5 ppb



Date : 01-JUL-2014 12:28

Client ID: 1121307

Instrument: 50mv4b.i

Sample Info: 1121307,71262;5

Purge Volume: 5.0

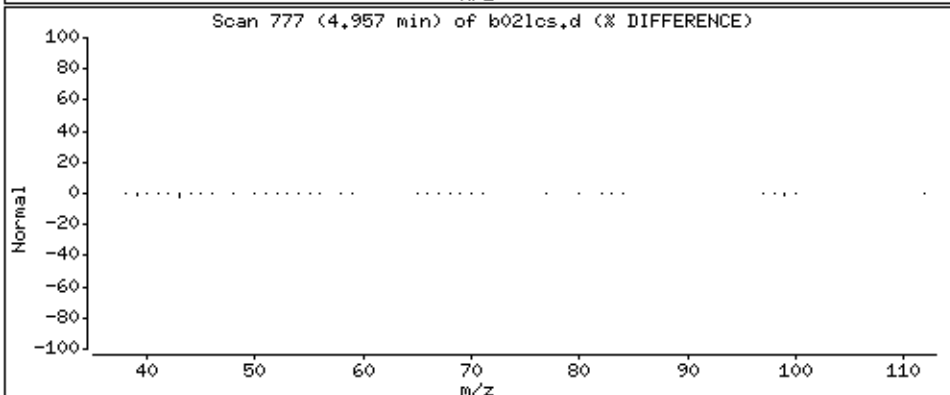
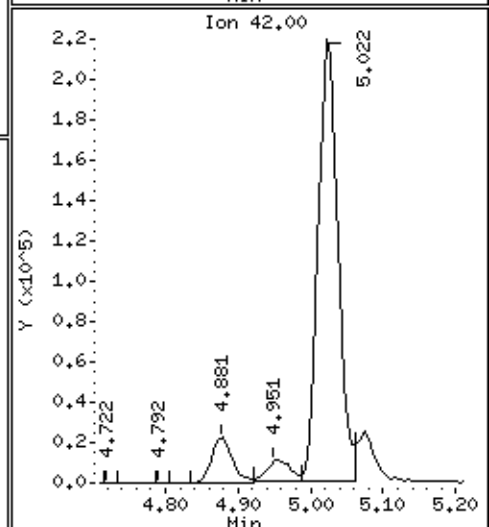
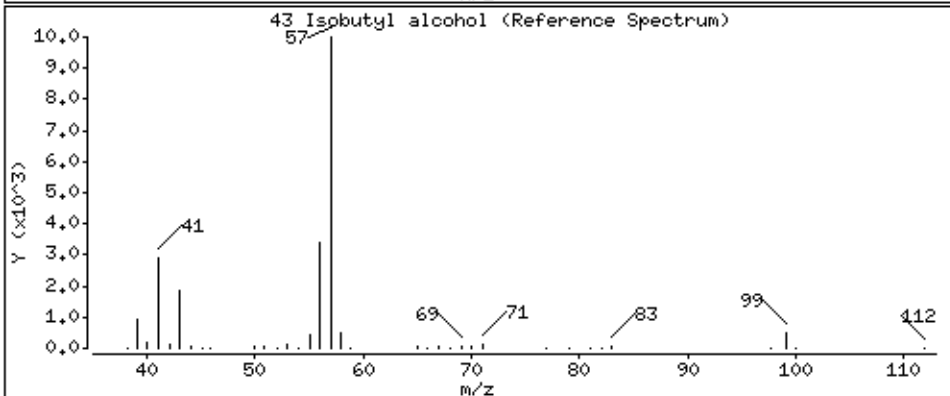
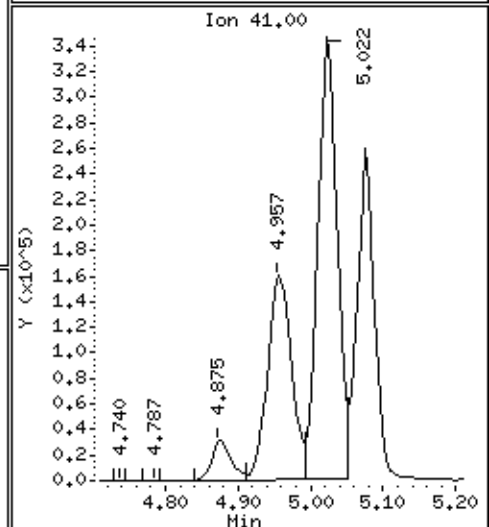
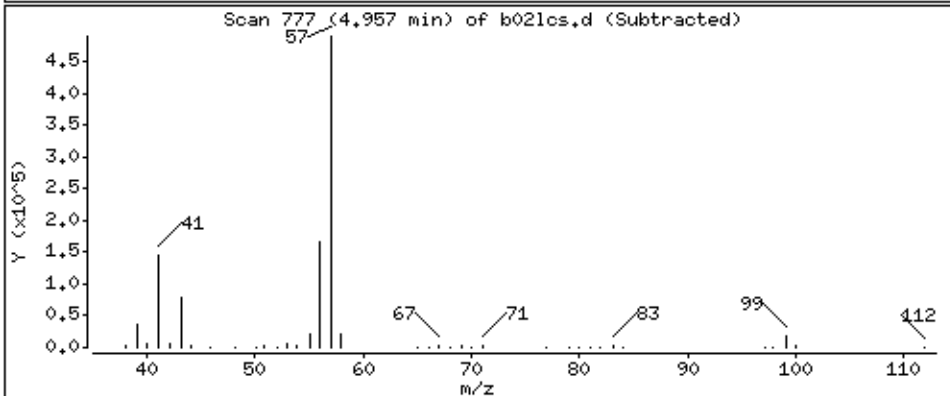
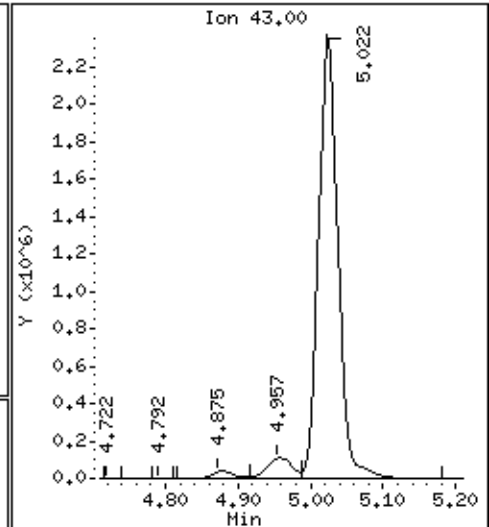
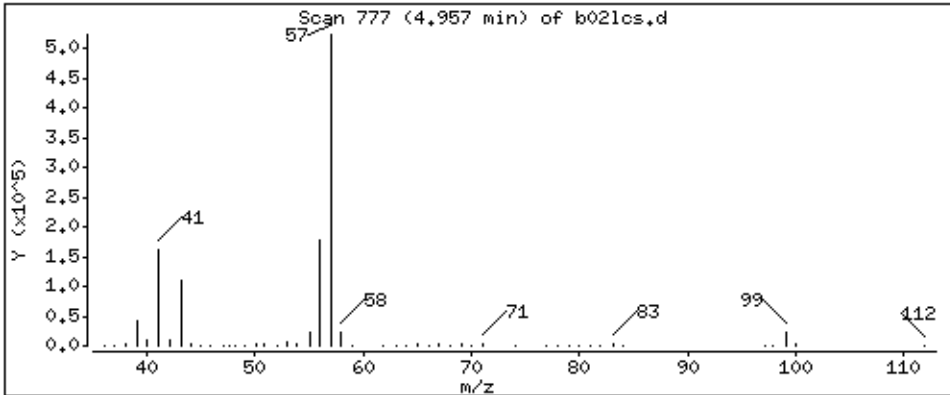
Operator: rsw

Column phase: DB-624

Column diameter: 0,18

43 Isobutyl alcohol

Concentration: 52.3 ppb



Date : 01-JUL-2014 12:28

Client ID: 1121307

Instrument: 50mv4b.i

Sample Info: 1121307,71262;5

Purge Volume: 5.0

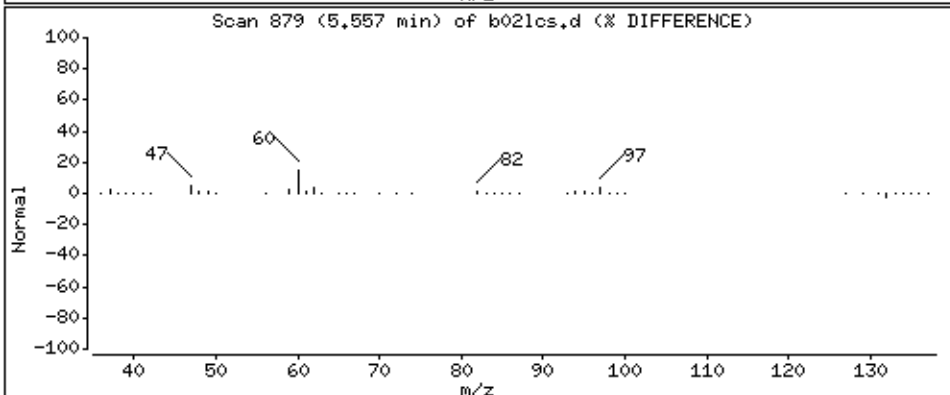
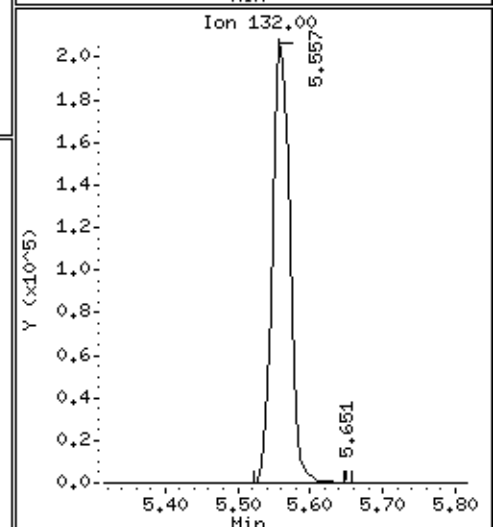
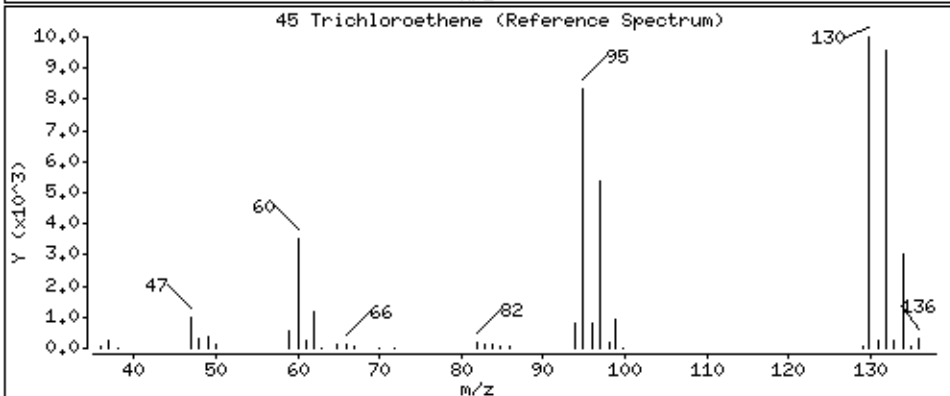
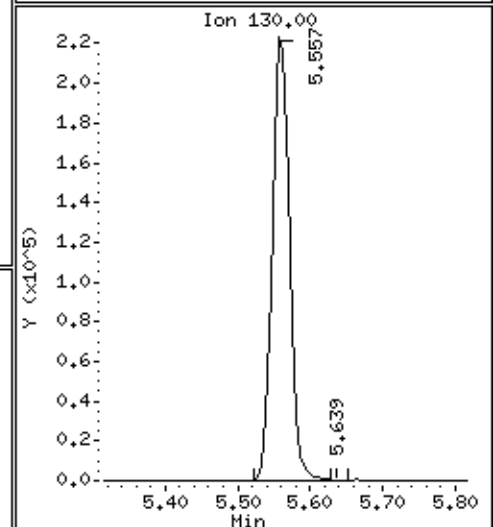
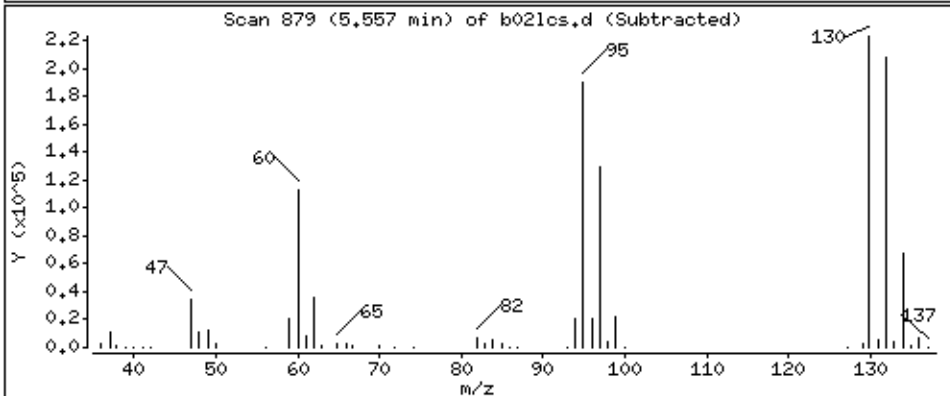
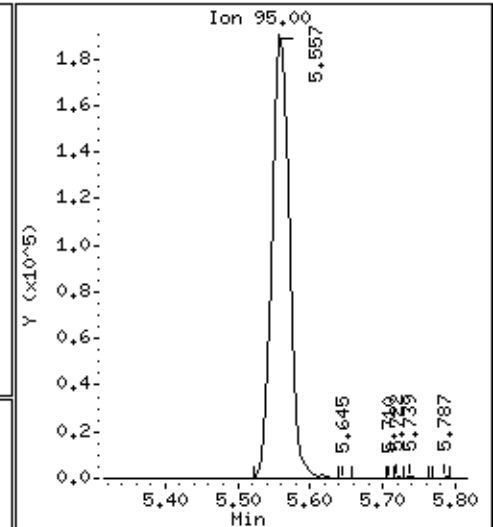
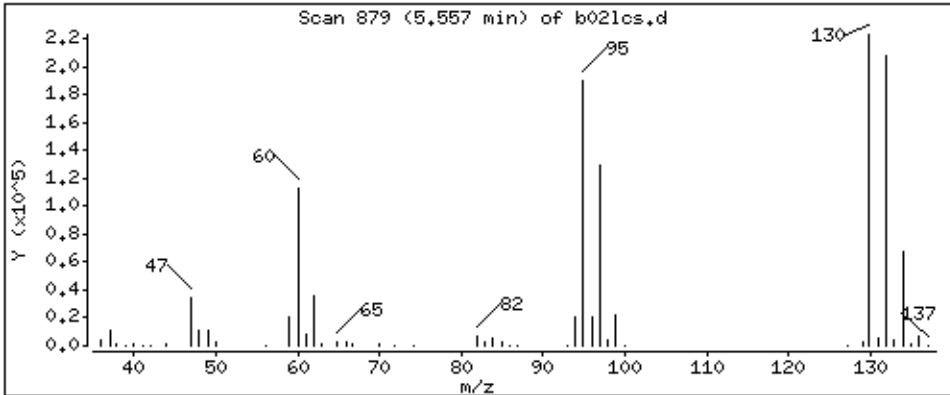
Operator: rsw

Column phase: DB-624

Column diameter: 0,18

45 Trichloroethene

Concentration: 50,5 ppb



Date : 01-JUL-2014 12:28

Client ID: 1121307

Instrument: 50mv4b.i

Sample Info: 1121307,71262;5

Purge Volume: 5.0

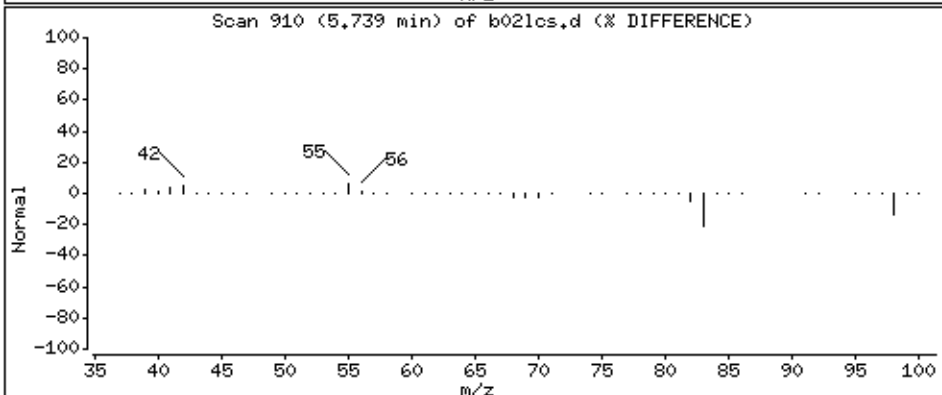
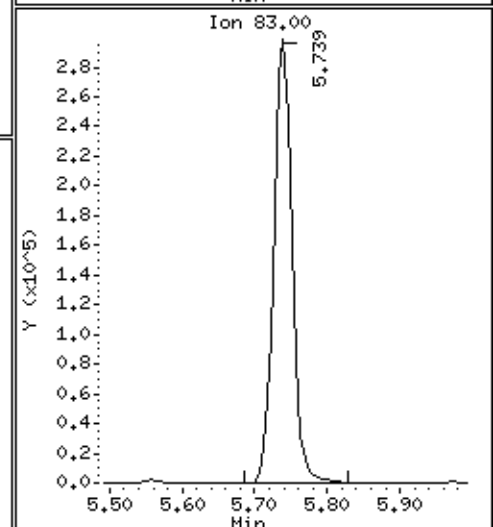
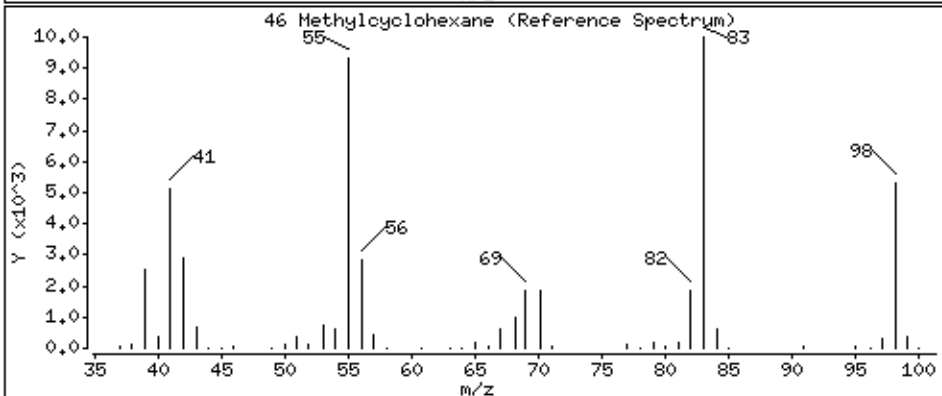
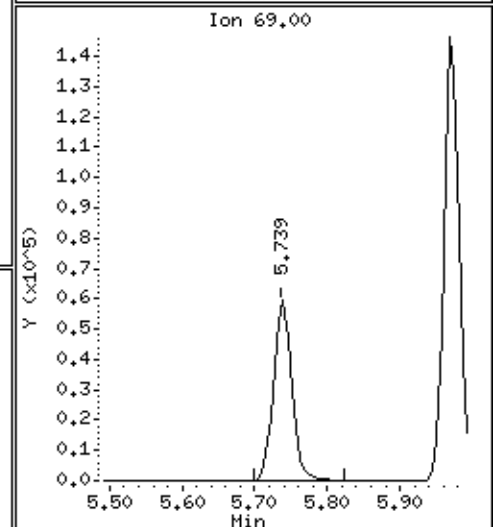
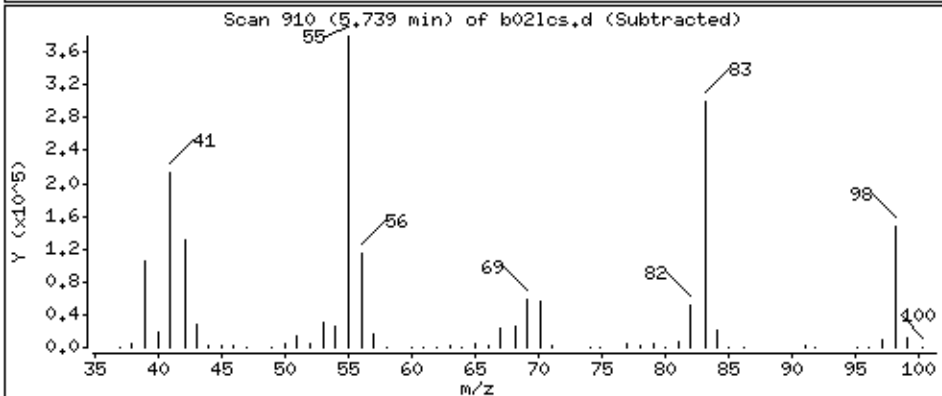
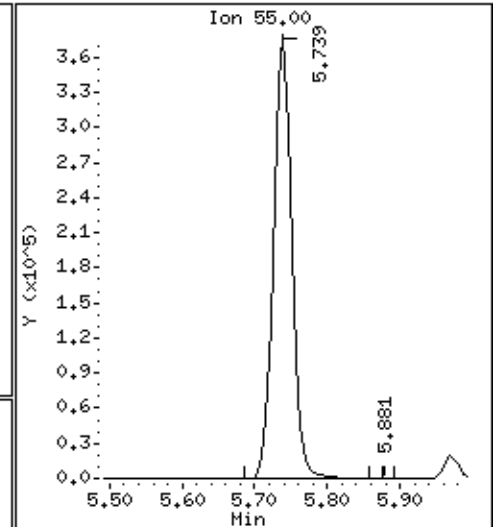
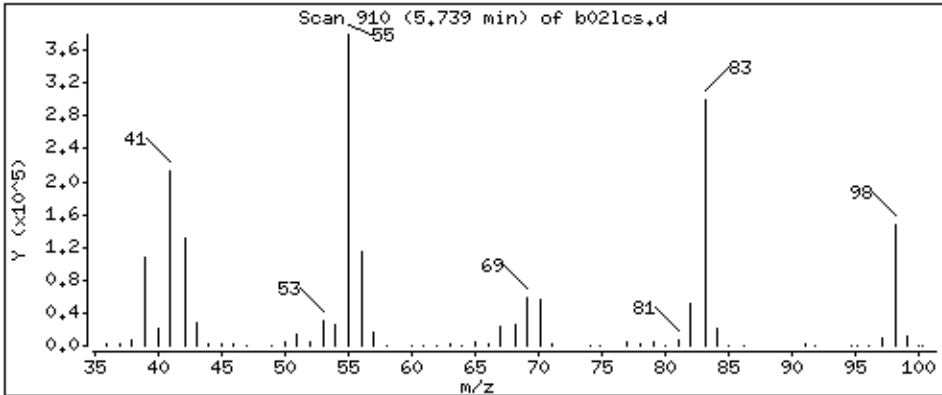
Operator: rsw

Column phase: DB-624

Column diameter: 0,18

46 Methylcyclohexane

Concentration: 60,4 ppb



Date : 01-JUL-2014 12:28

Client ID: 1121307

Instrument: 50mv4b.i

Sample Info: 1121307,71262;5

Purge Volume: 5.0

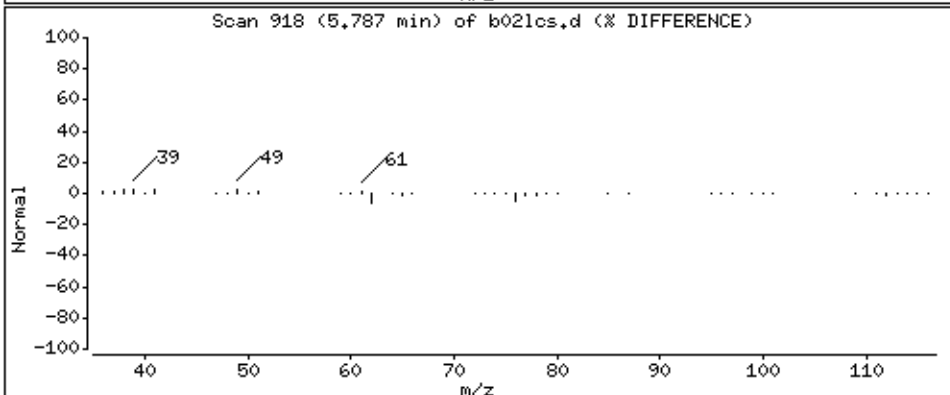
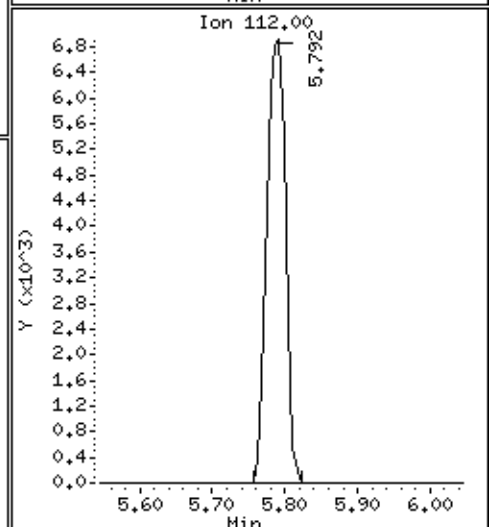
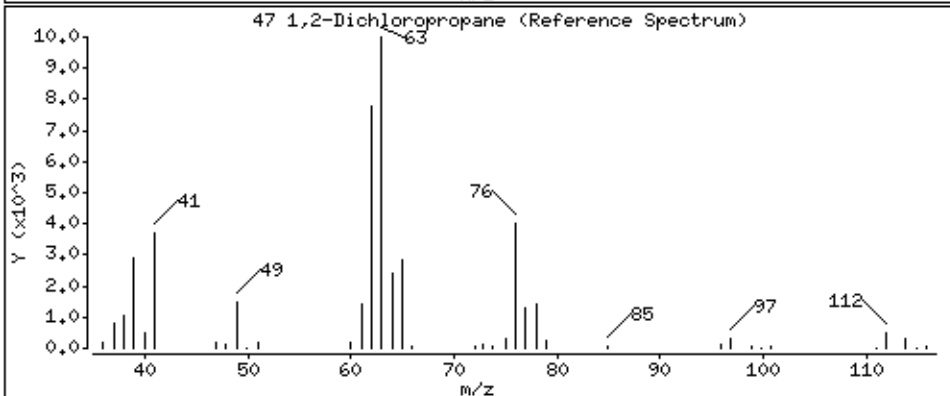
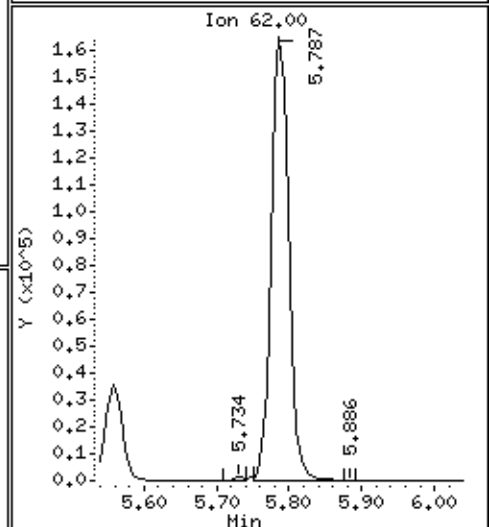
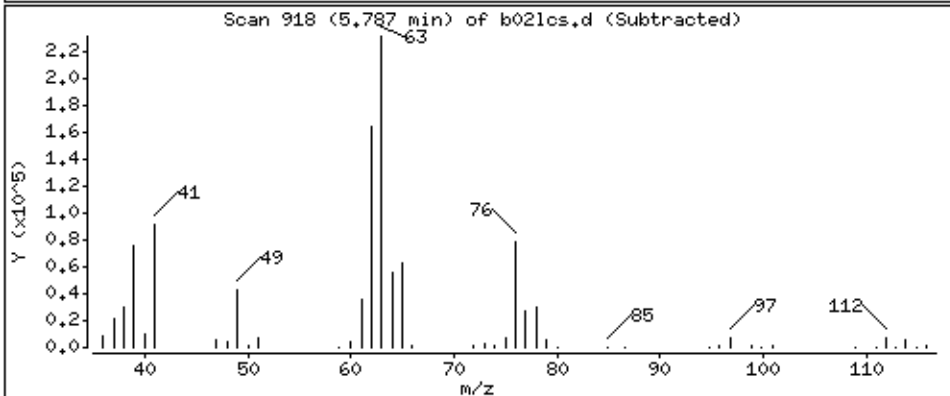
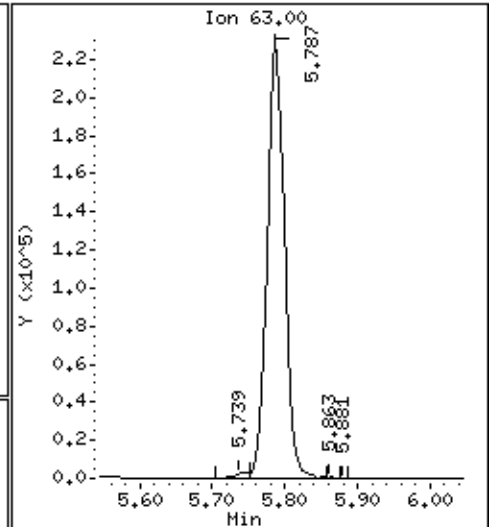
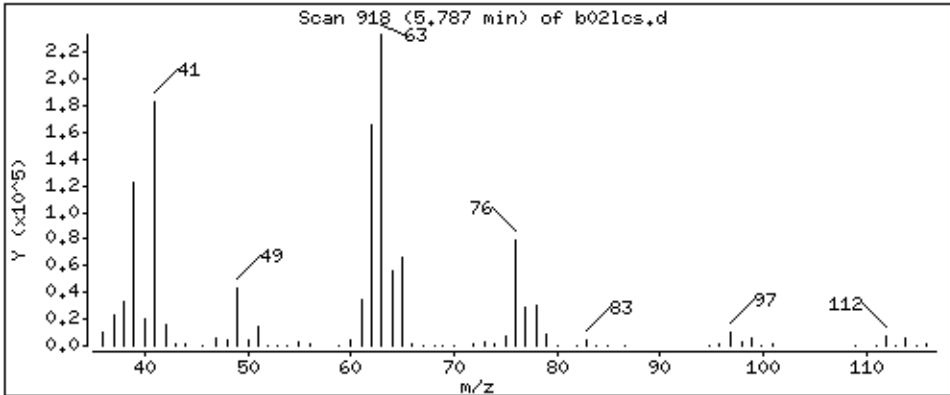
Operator: rsw

Column phase: DB-624

Column diameter: 0,18

47 1,2-Dichloropropane

Concentration: 52.8 ppb



Date : 01-JUL-2014 12:28

Client ID: 1121307

Instrument: 50mv4b.i

Sample Info: 1121307,71262;5

Purge Volume: 5.0

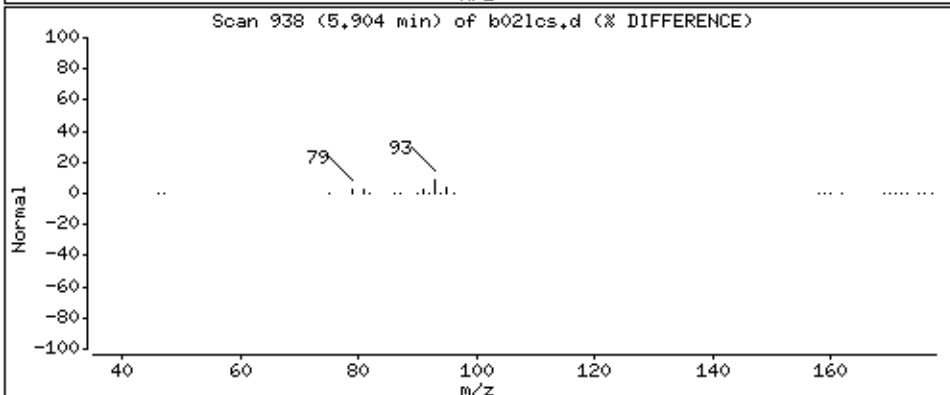
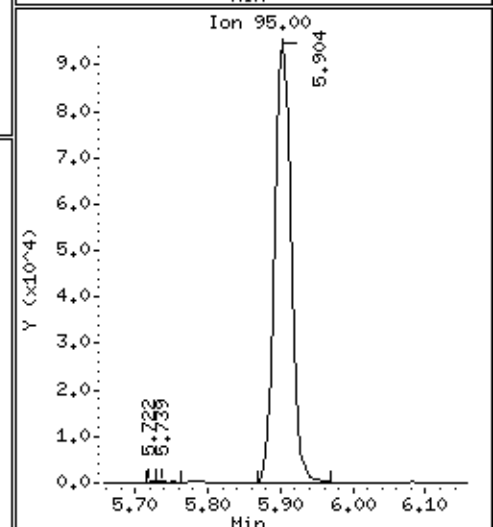
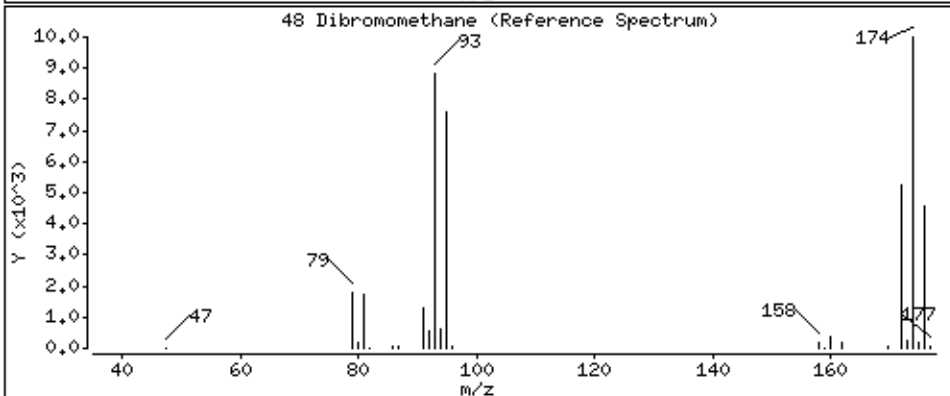
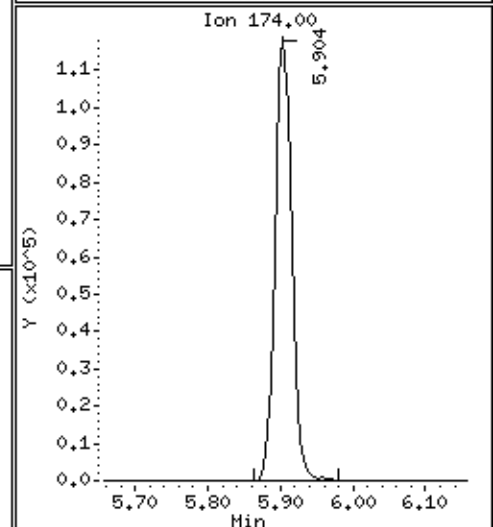
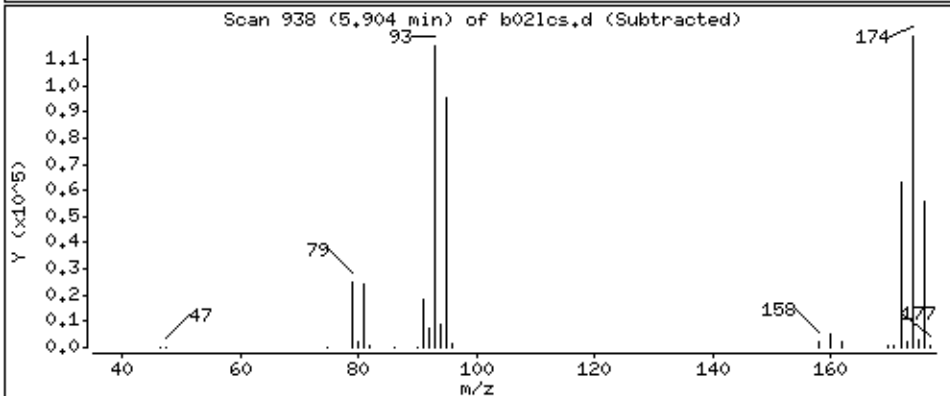
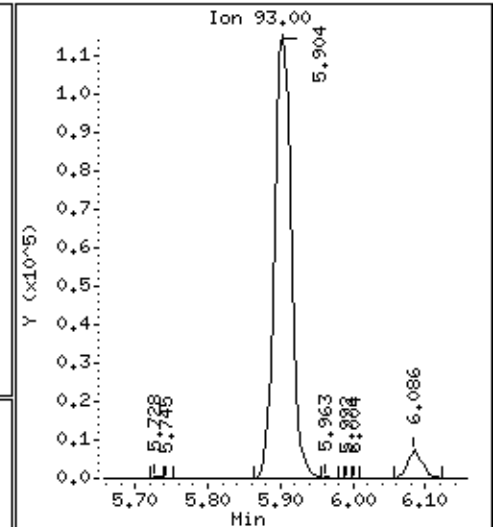
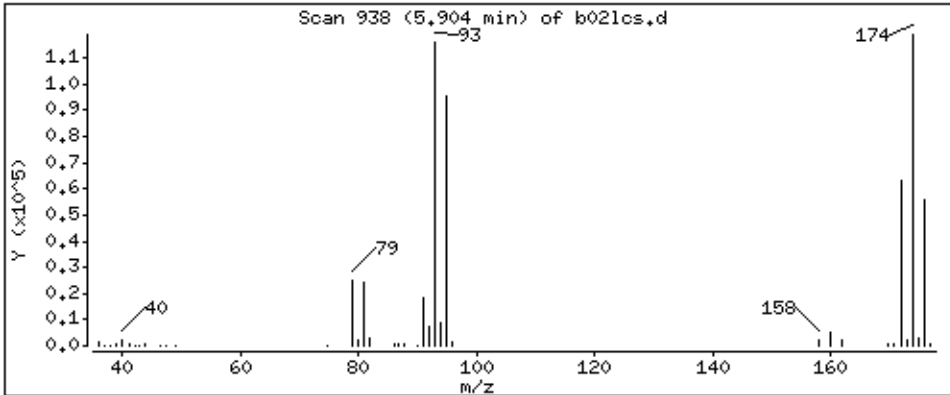
Operator: rsw

Column phase: DB-624

Column diameter: 0,18

48 Dibromomethane

Concentration: 51.1 ppb



Date : 01-JUL-2014 12:28

Client ID: 1121307

Instrument: 50mv4b.i

Sample Info: 1121307,71262;5

Purge Volume: 5.0

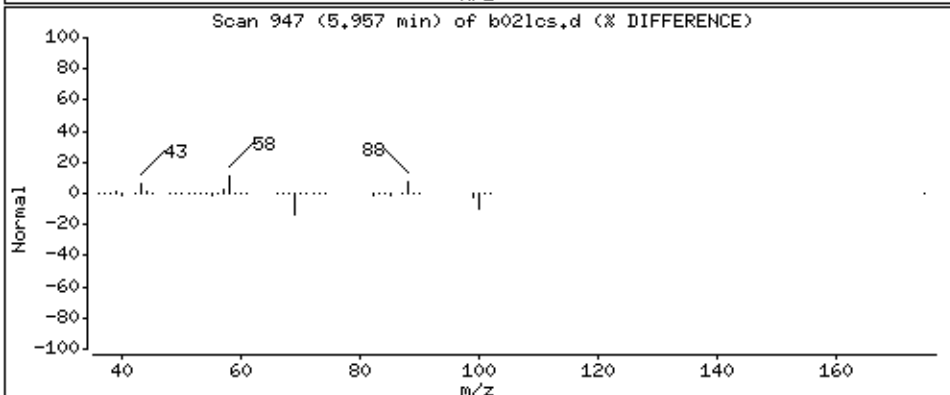
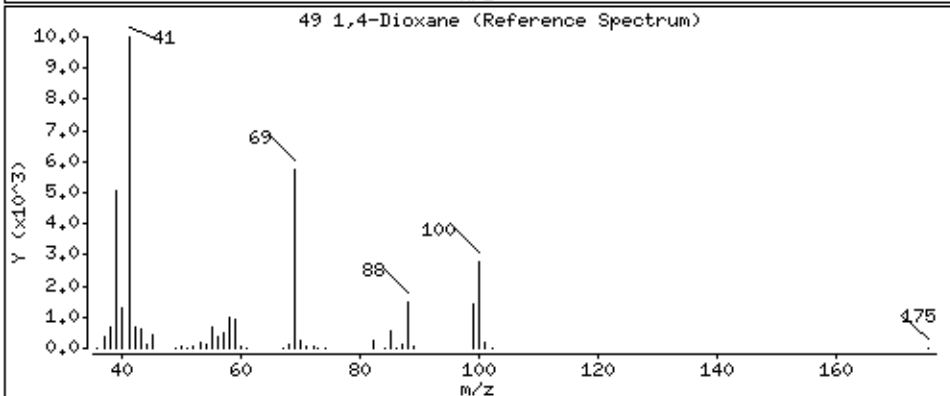
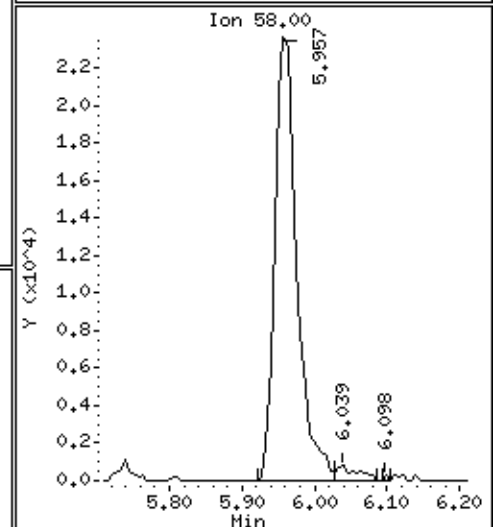
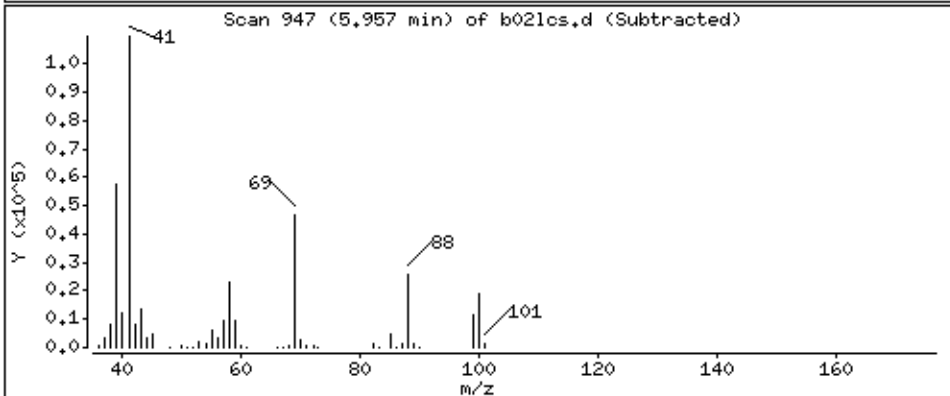
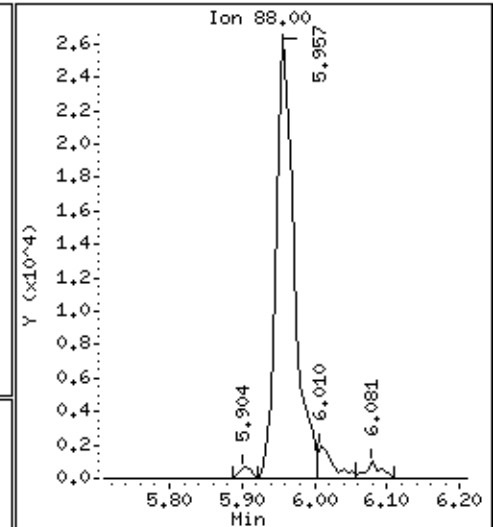
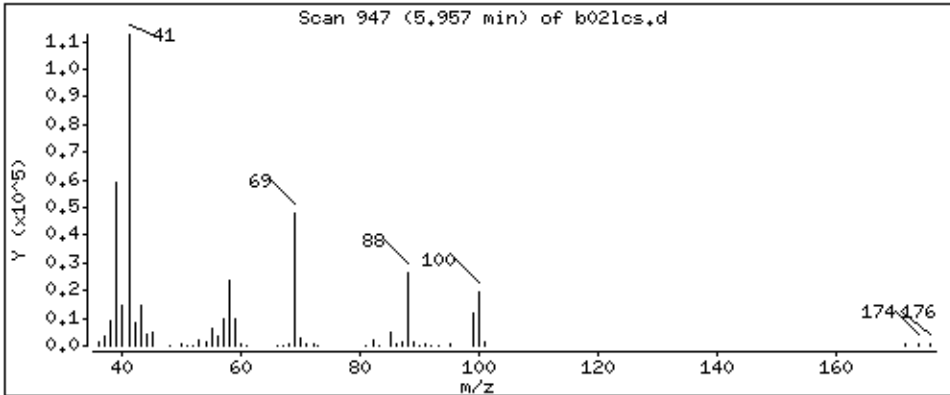
Operator: rsw

Column phase: DB-624

Column diameter: 0,18

49 1,4-Dioxane

Concentration: 1080 ppb



Date : 01-JUL-2014 12:28

Client ID: 1121307

Instrument: 50mv4b.i

Sample Info: 1121307,71262;5

Purge Volume: 5.0

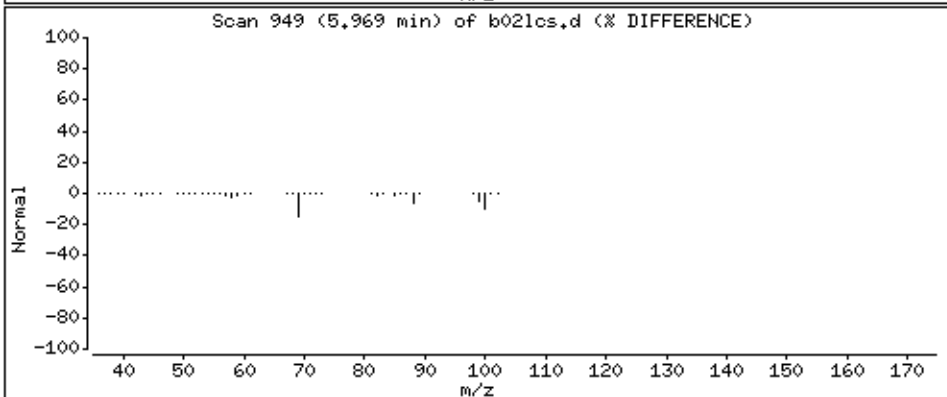
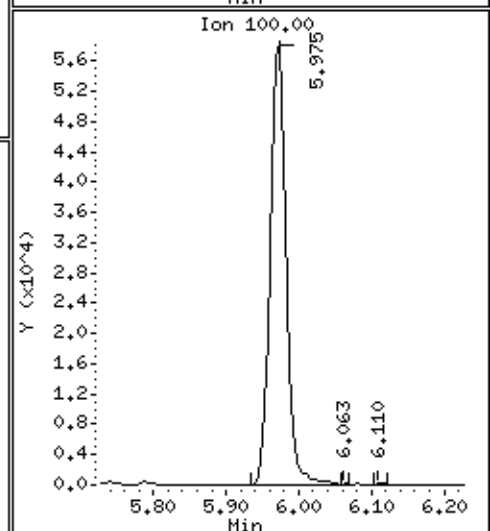
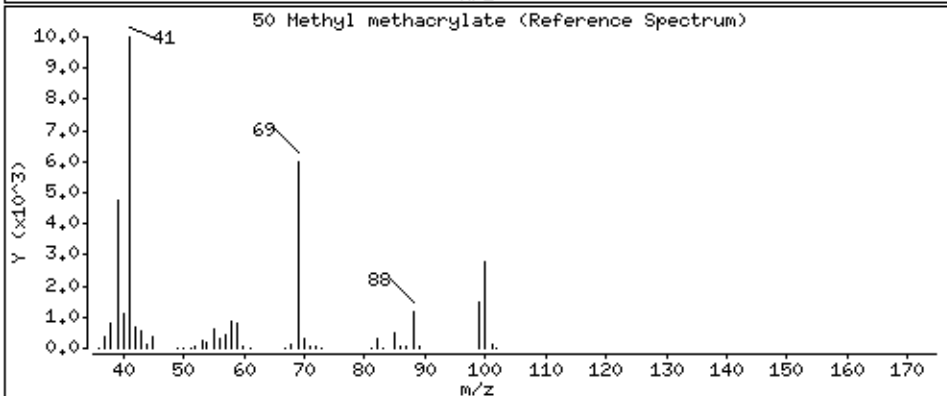
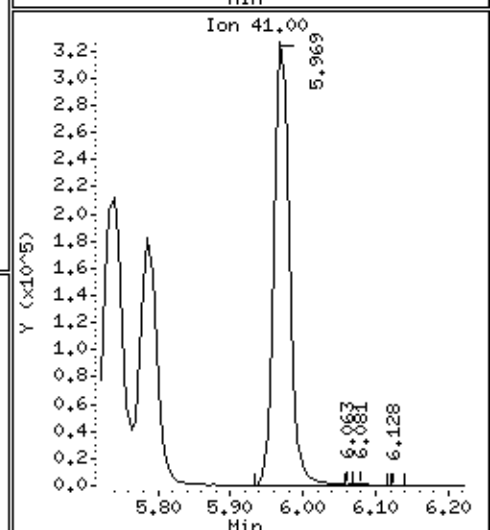
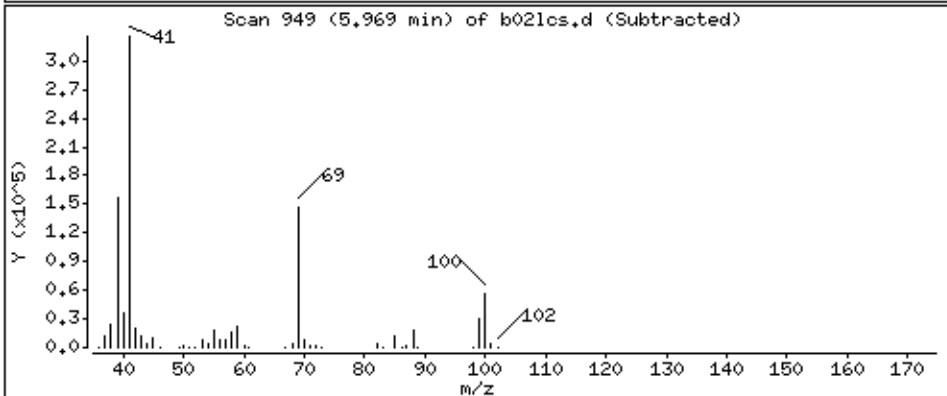
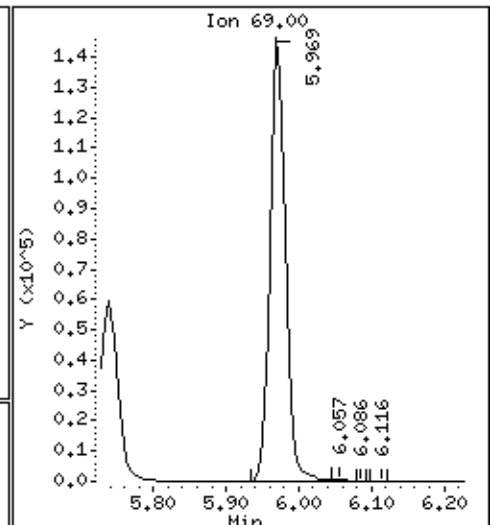
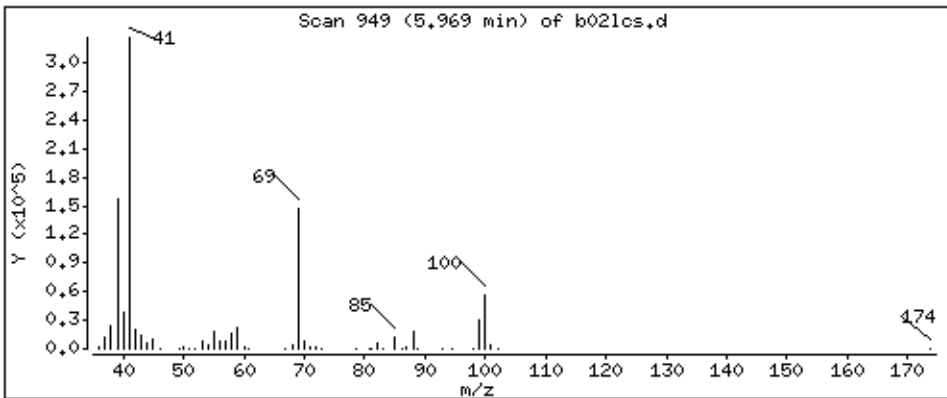
Operator: rsw

Column phase: DB-624

Column diameter: 0,18

50 Methyl methacrylate

Concentration: 68,2 ppb



Date : 01-JUL-2014 12:28

Client ID: 1121307

Instrument: 50mv4b.i

Sample Info: 1121307,71262;5

Purge Volume: 5.0

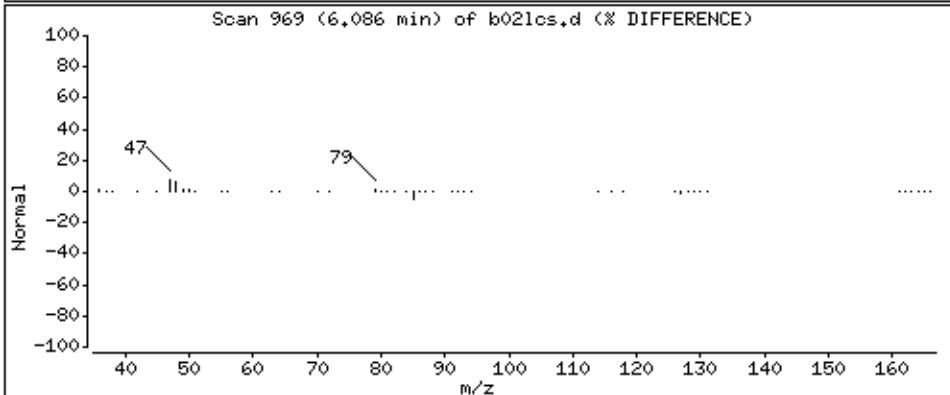
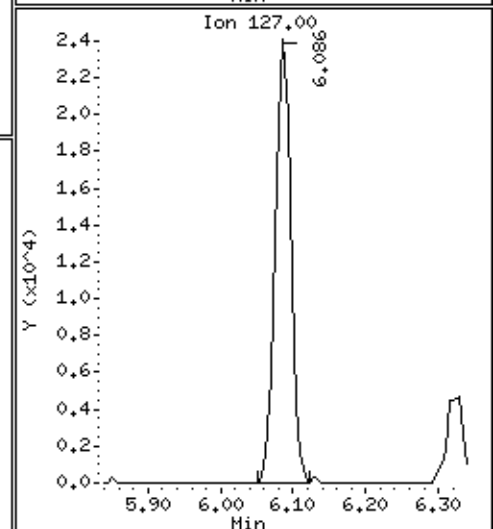
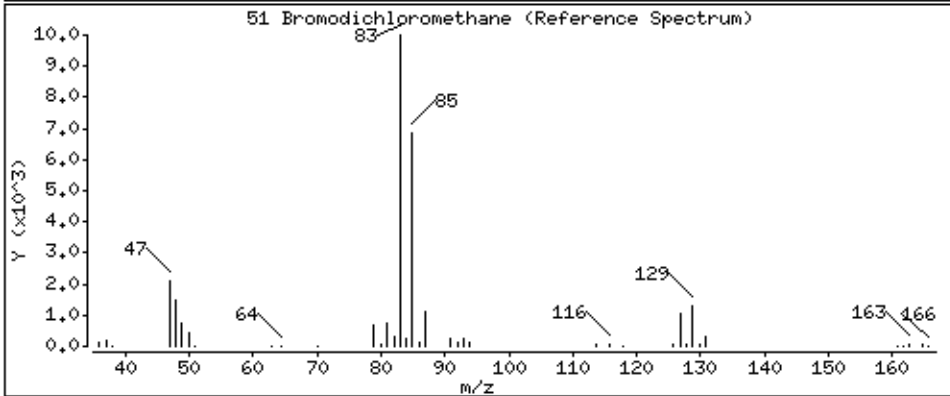
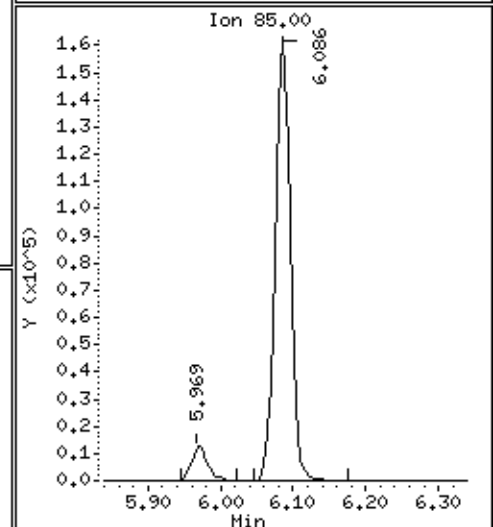
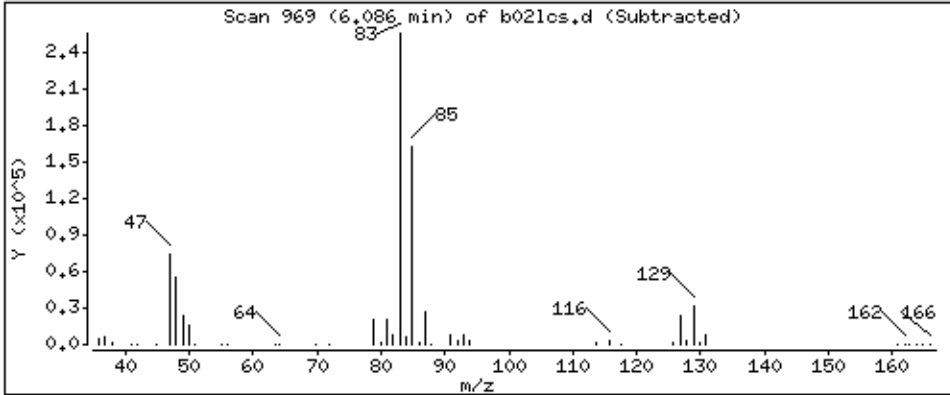
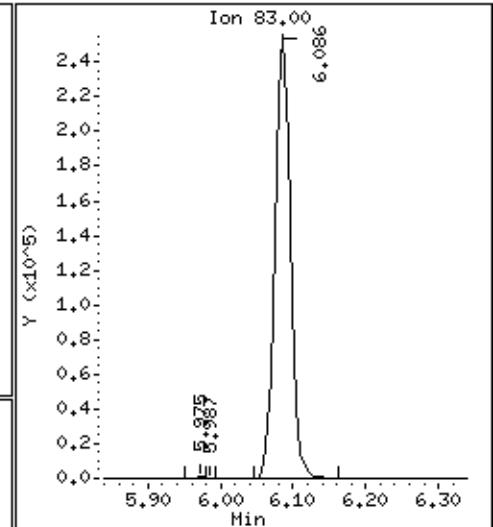
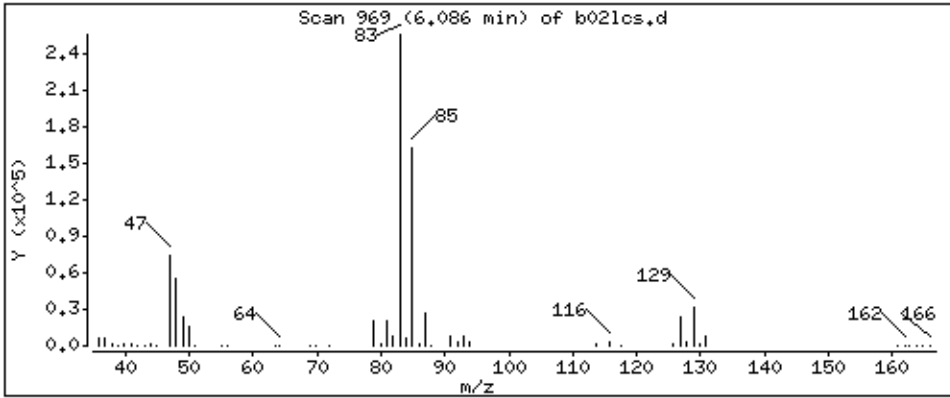
Operator: rsw

Column phase: DB-624

Column diameter: 0,18

51 Bromodichloromethane

Concentration: 56,2 ppb



Date : 01-JUL-2014 12:28

Client ID: 1121307

Instrument: 50mv4b.i

Sample Info: 1121307,71262;5

Purge Volume: 5.0

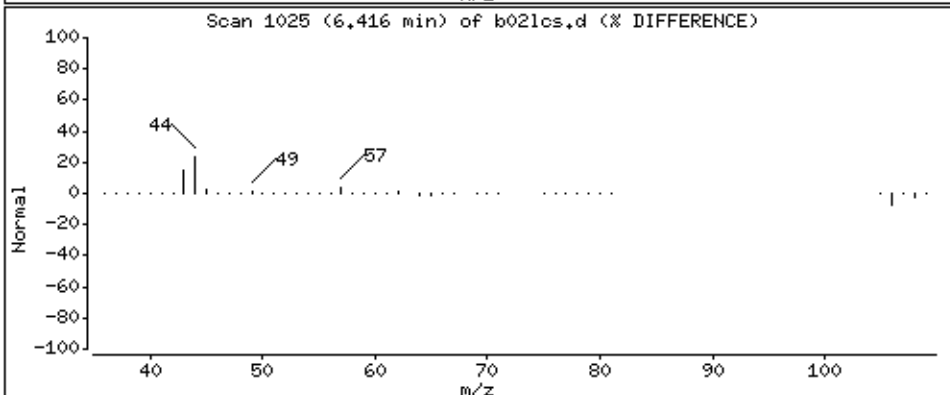
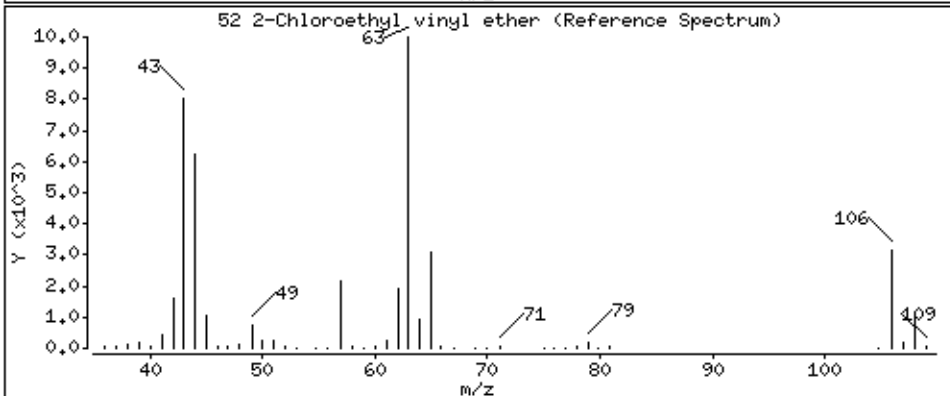
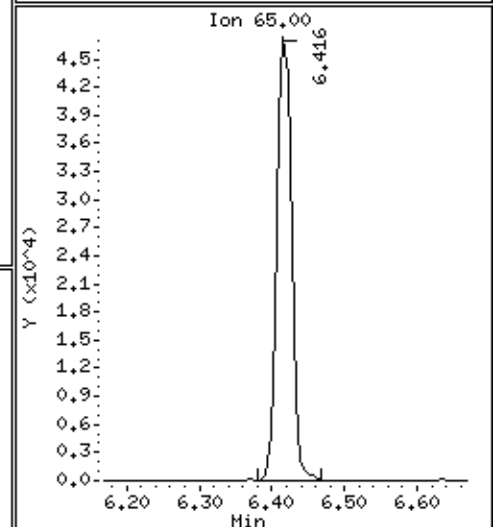
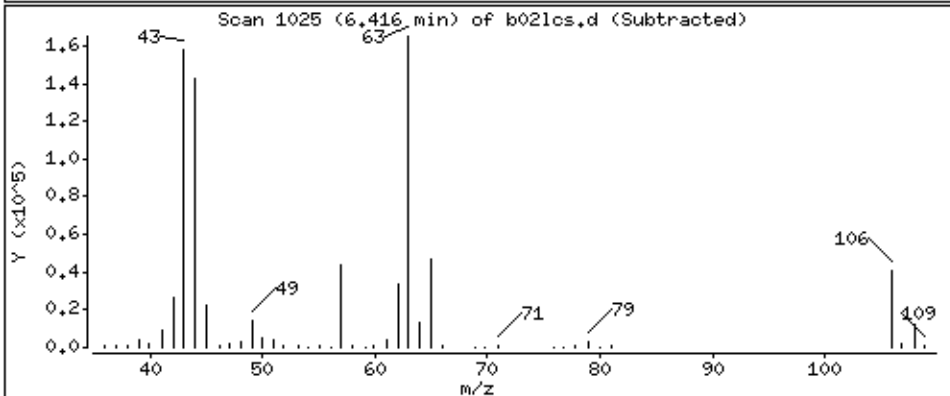
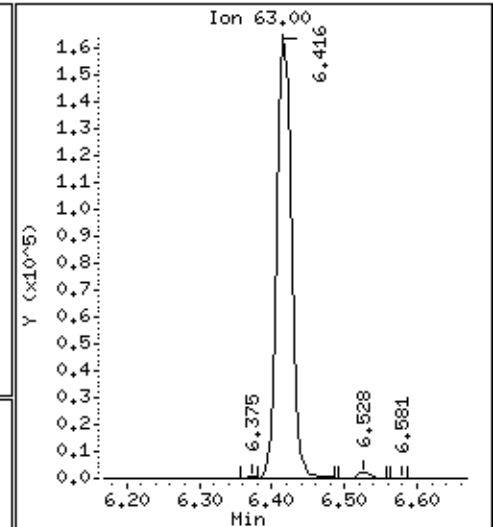
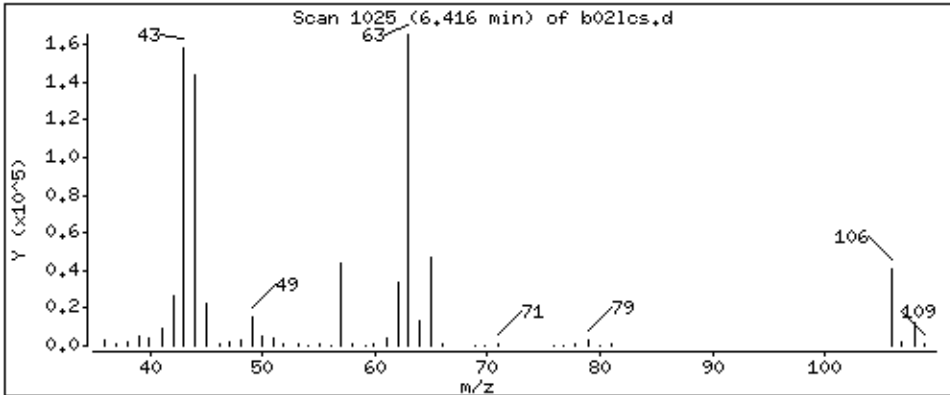
Operator: rsw

Column phase: DB-624

Column diameter: 0,18

52 2-Chloroethyl vinyl ether

Concentration: 51.8 ppb



Date : 01-JUL-2014 12:28

Client ID: 1121307

Instrument: 50mv4b.i

Sample Info: 1121307,71262;5

Purge Volume: 5.0

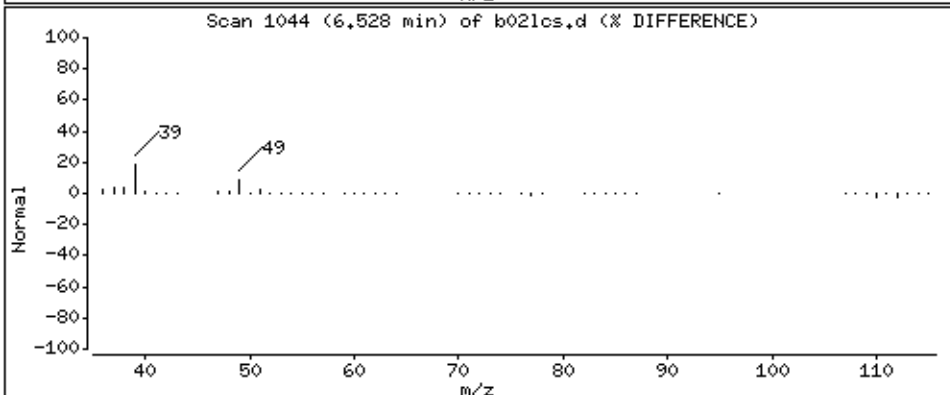
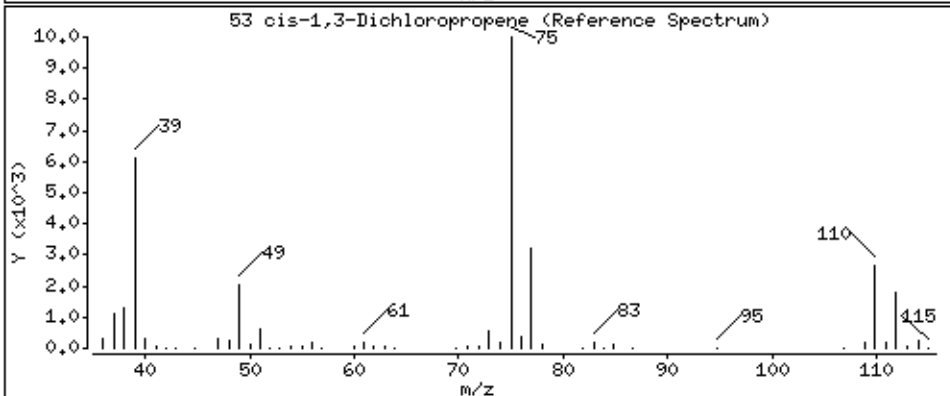
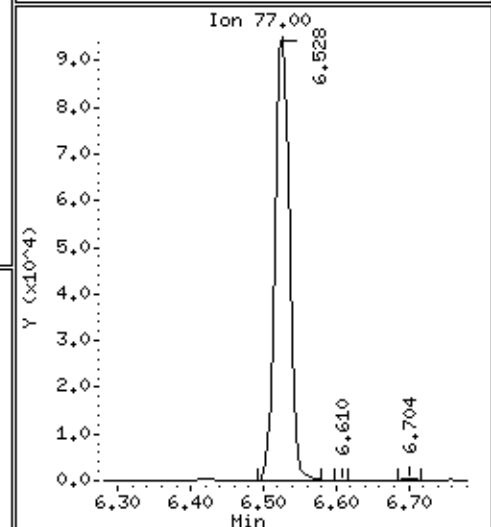
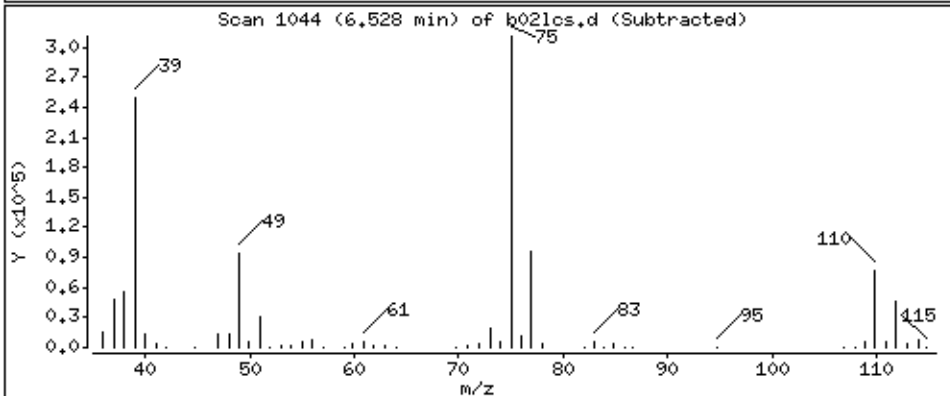
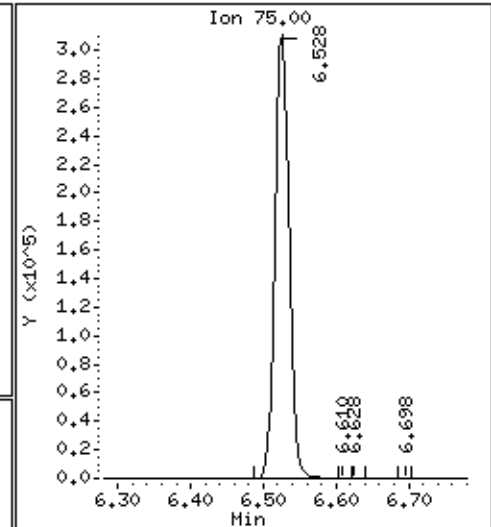
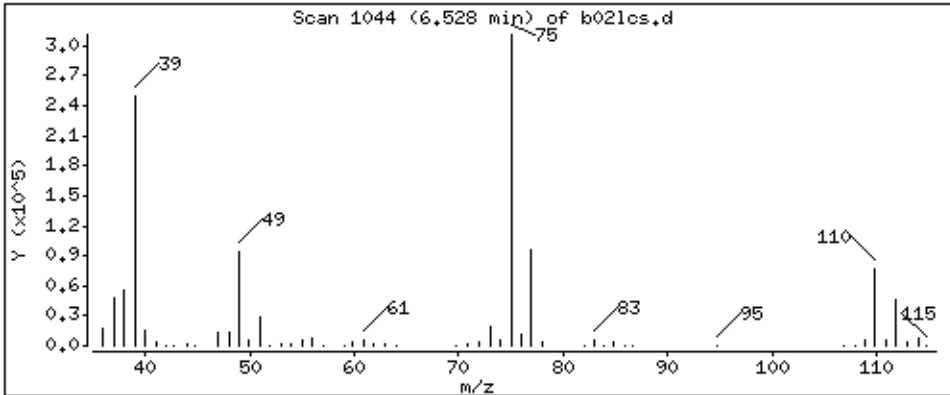
Operator: rsw

Column phase: DB-624

Column diameter: 0,18

53 cis-1,3-Dichloropropene

Concentration: 47.9 ppb



Date : 01-JUL-2014 12:28

Client ID: 1121307

Instrument: 50mv4b.i

Sample Info: 1121307,71262;5

Purge Volume: 5.0

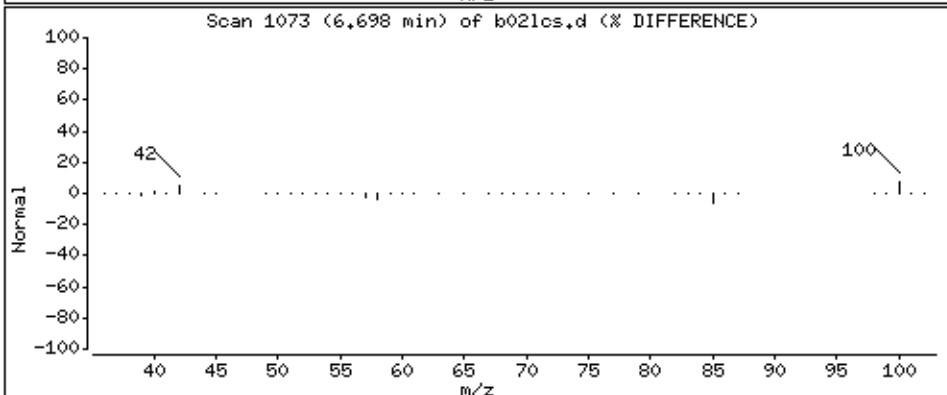
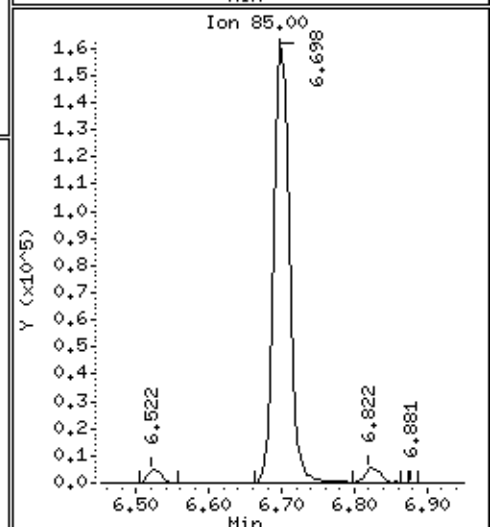
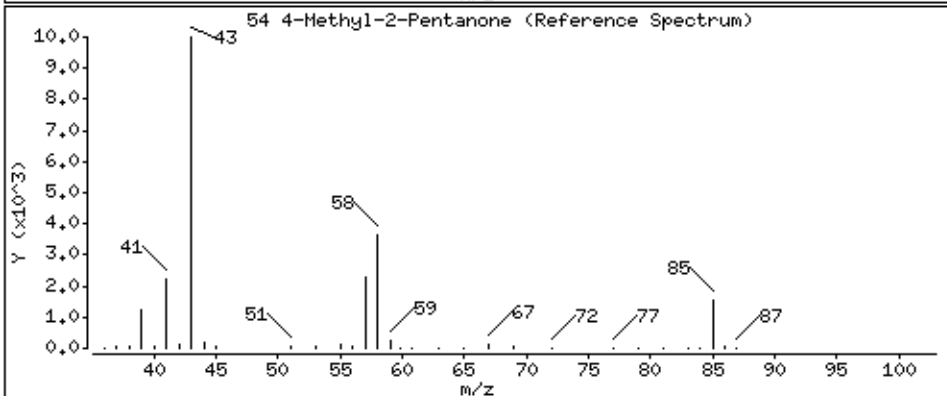
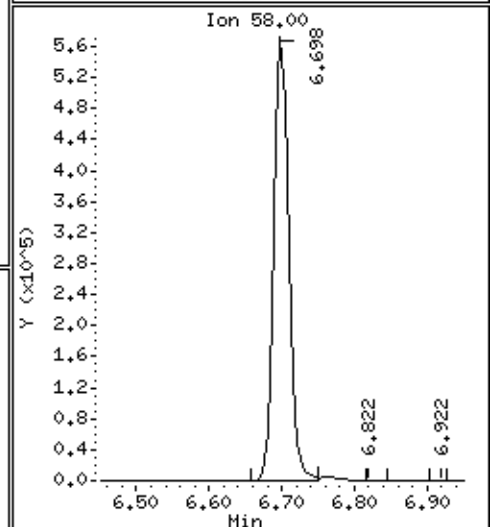
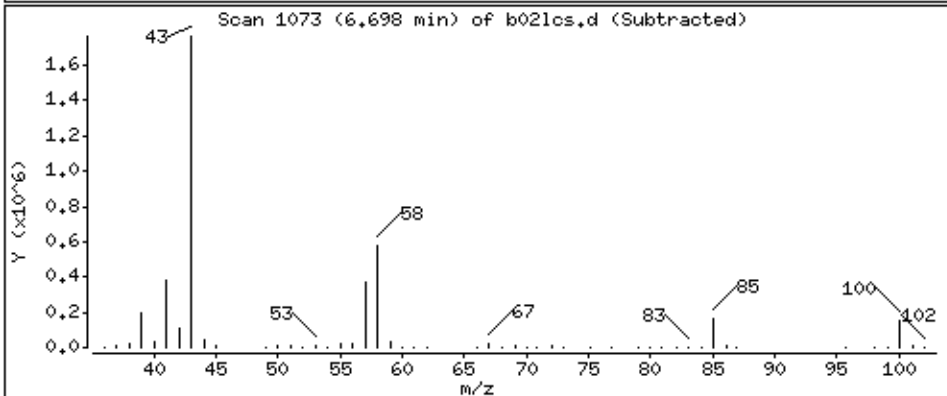
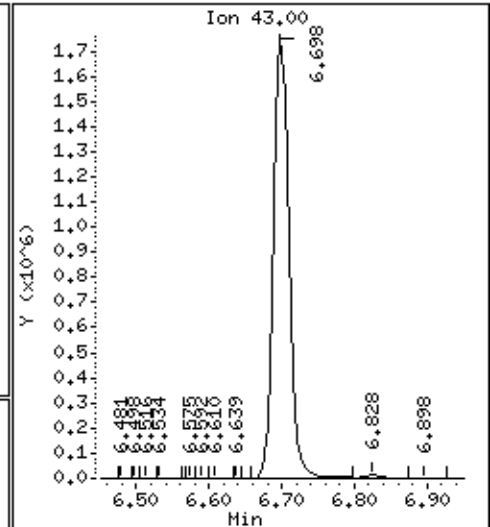
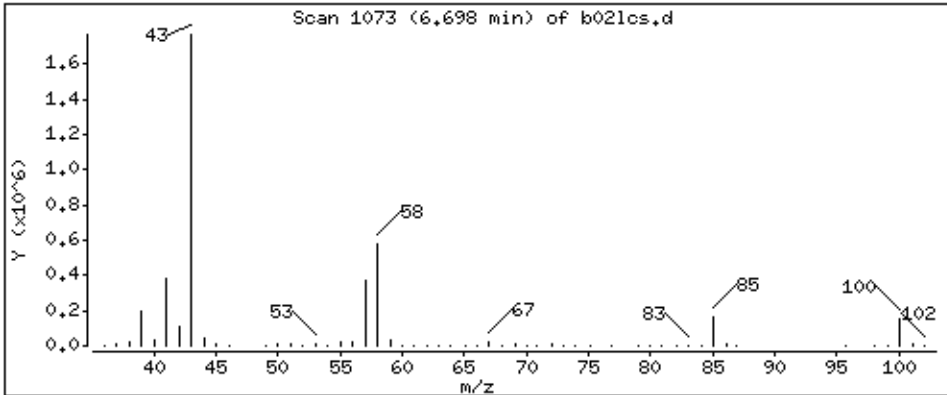
Operator: rsw

Column phase: DB-624

Column diameter: 0,18

54 4-Methyl-2-Pentanone

Concentration: 325 ppb



Date : 01-JUL-2014 12:28

Client ID: 1121307

Instrument: 50mv4b.i

Sample Info: 1121307,71262;5

Purge Volume: 5.0

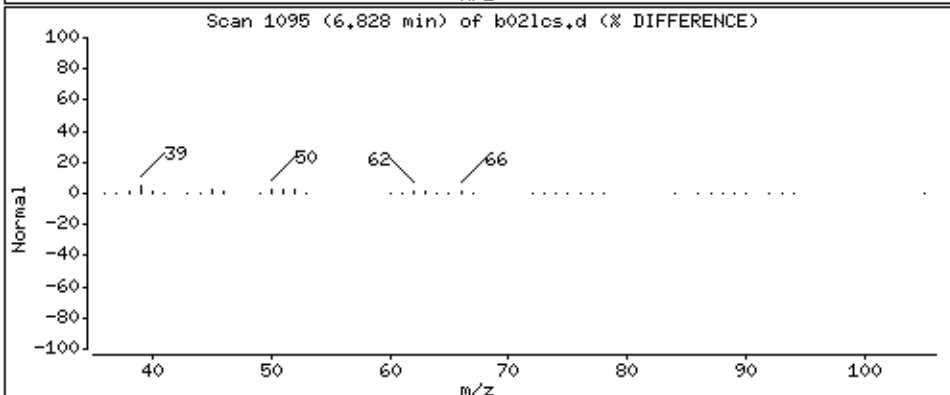
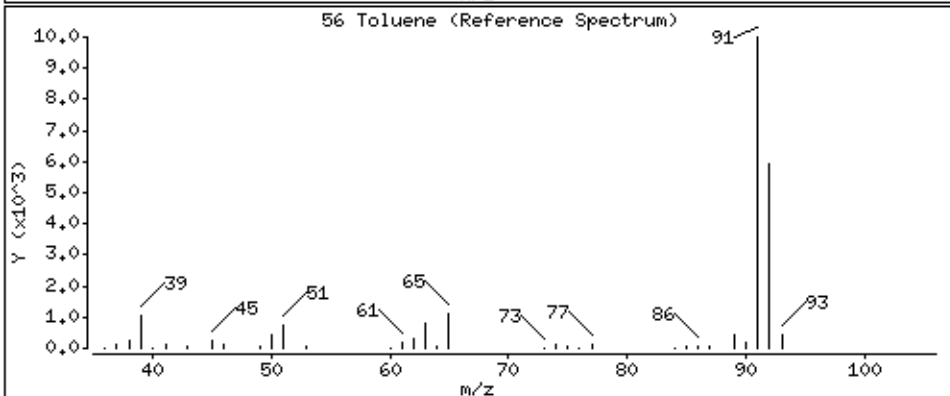
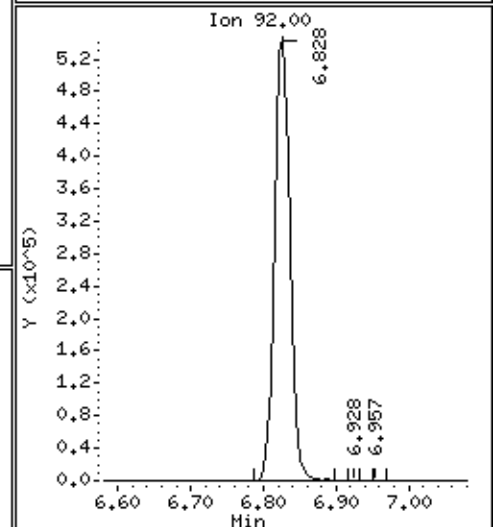
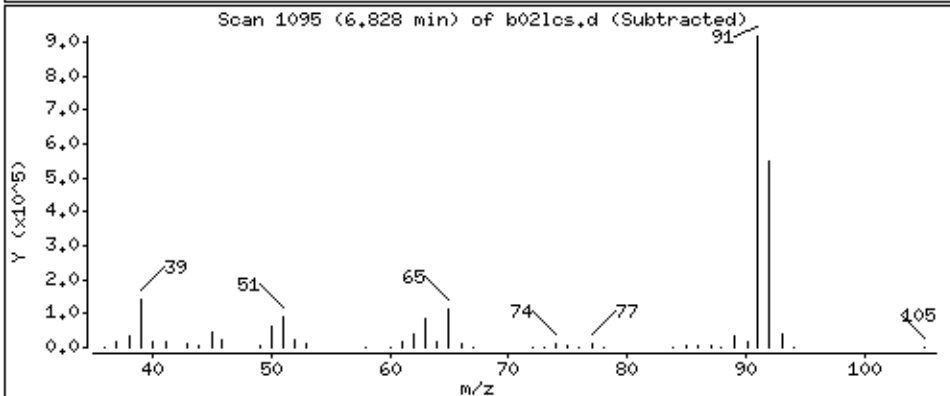
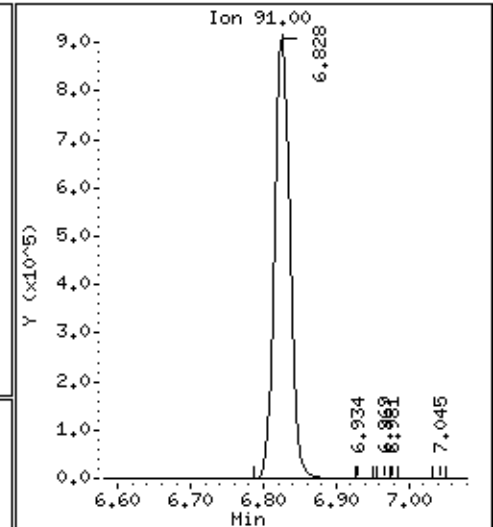
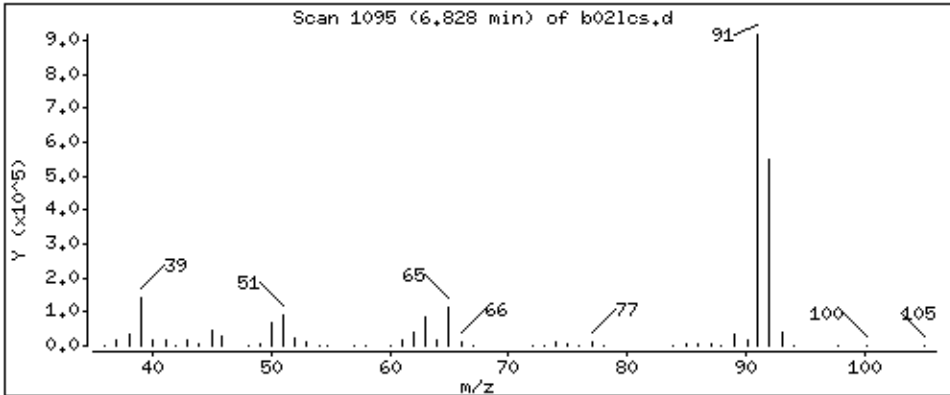
Operator: rsw

Column phase: DB-624

Column diameter: 0,18

56 Toluene

Concentration: 51.4 ppb



Date : 01-JUL-2014 12:28

Client ID: 1121307

Instrument: 50mv4b.i

Sample Info: 1121307,71262;5

Purge Volume: 5.0

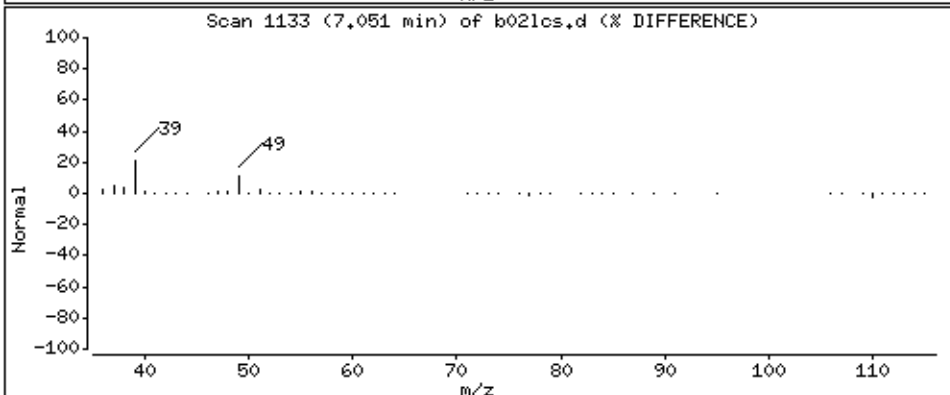
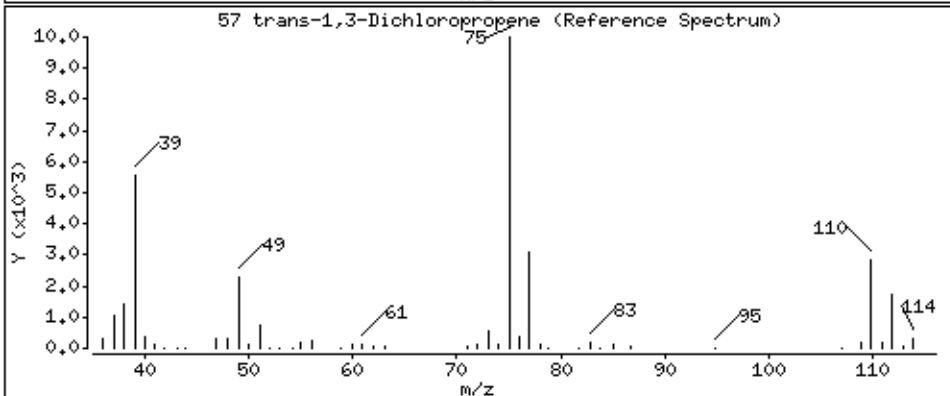
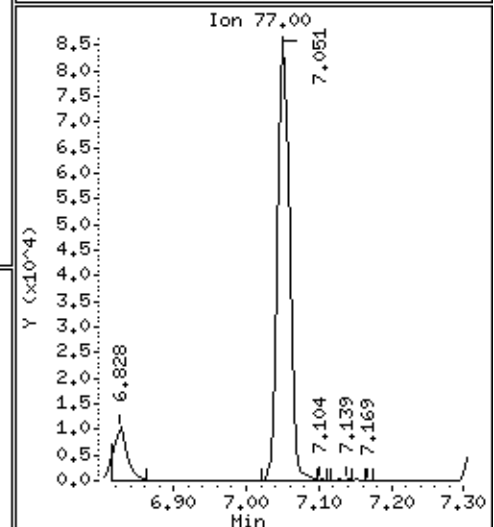
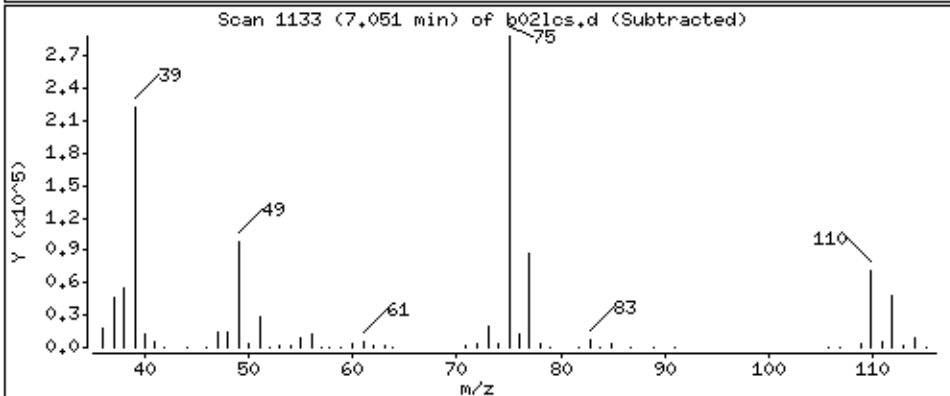
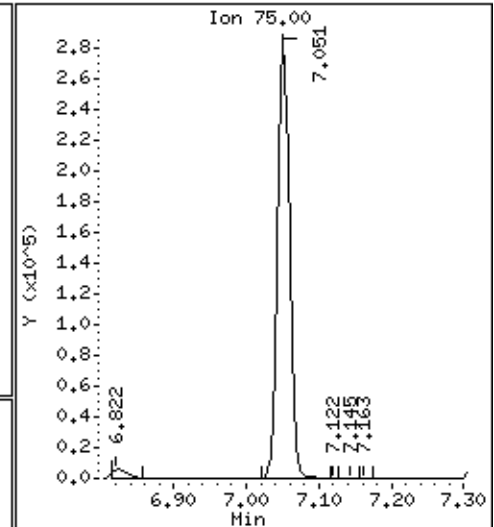
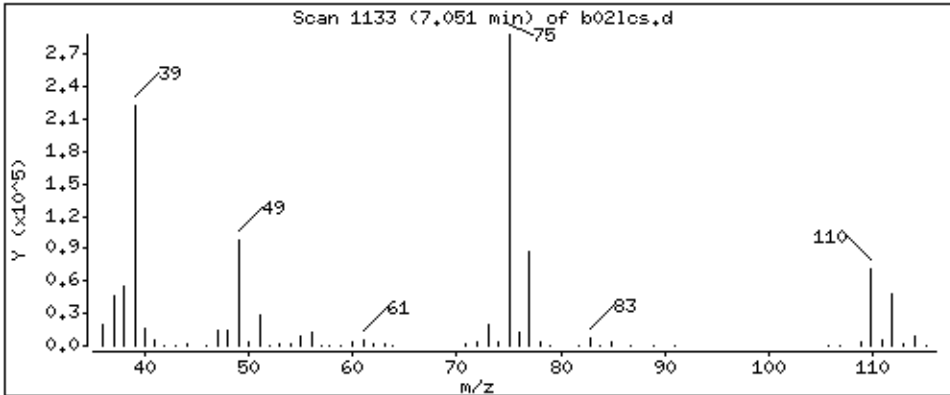
Operator: rsw

Column phase: DB-624

Column diameter: 0,18

57 trans-1,3-Dichloropropene

Concentration: 45,3 ppb



Date : 01-JUL-2014 12:28

Client ID: 1121307

Instrument: 50mv4b.i

Sample Info: 1121307,71262;5

Purge Volume: 5.0

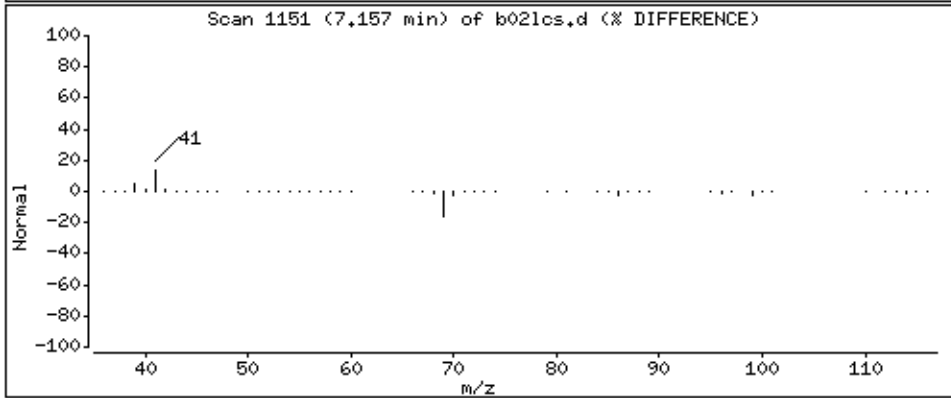
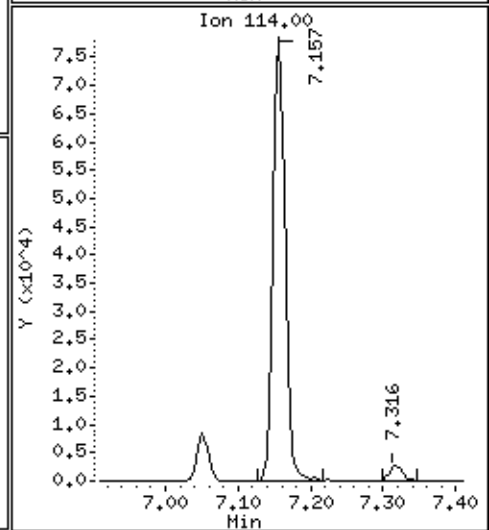
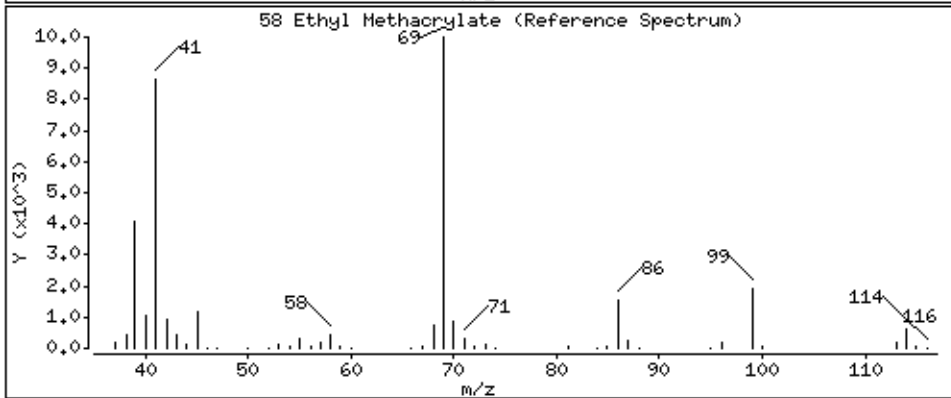
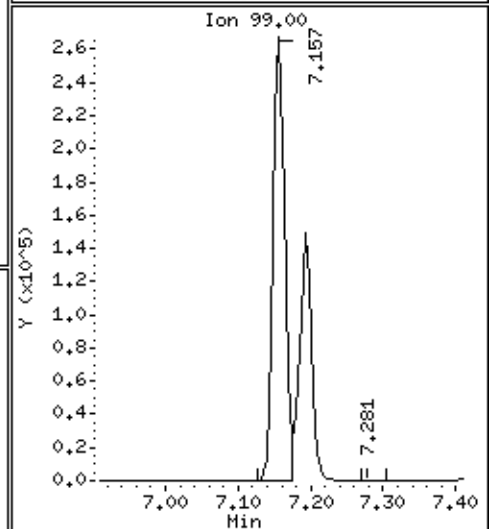
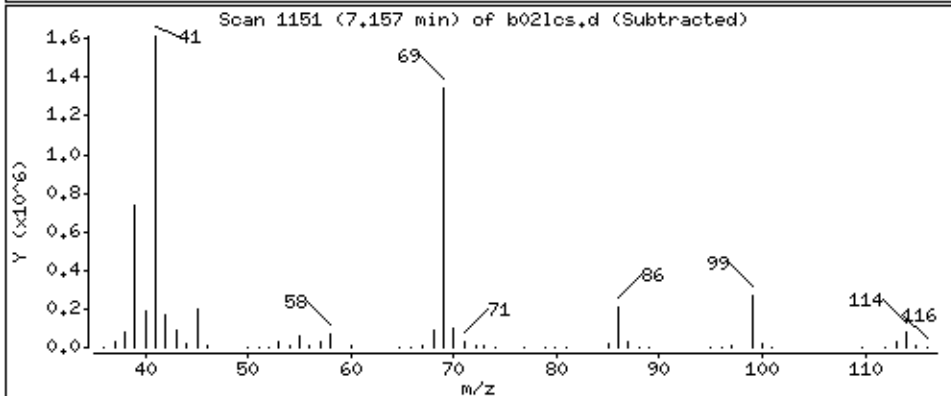
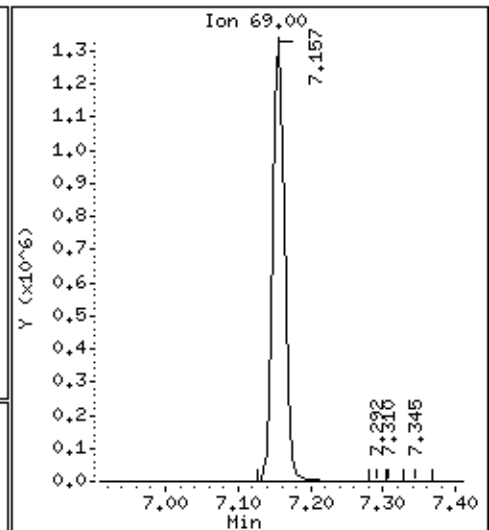
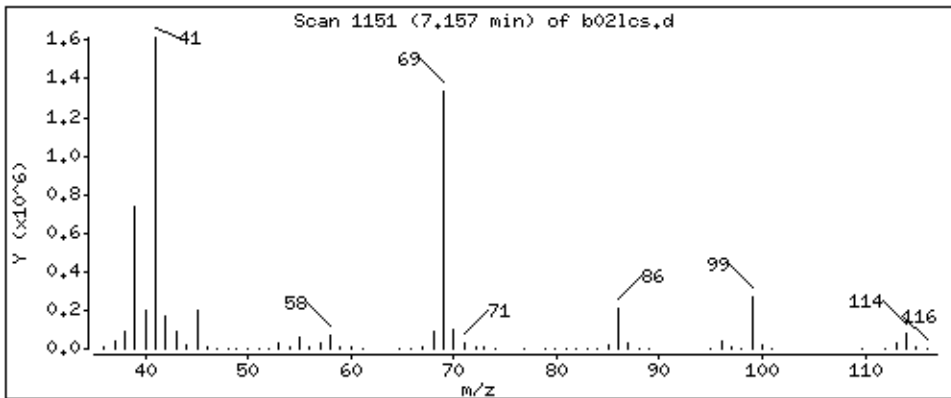
Operator: rsw

Column phase: DB-624

Column diameter: 0,18

58 Ethyl Methacrylate

Concentration: 216 ppb



Date : 01-JUL-2014 12:28

Client ID: 1121307

Instrument: 50mv4b.i

Sample Info: 1121307,71262;5

Purge Volume: 5.0

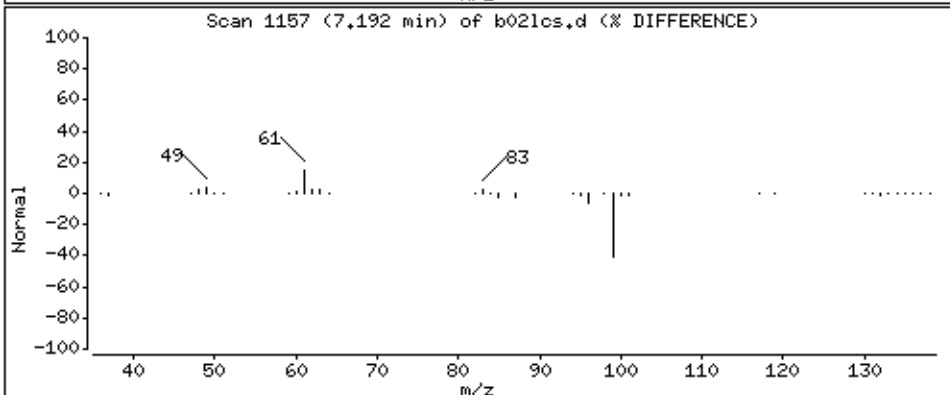
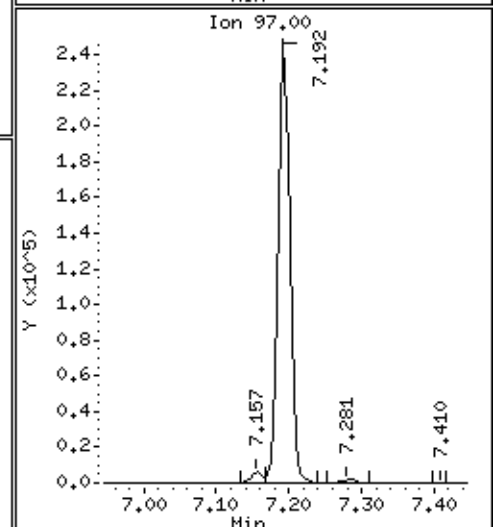
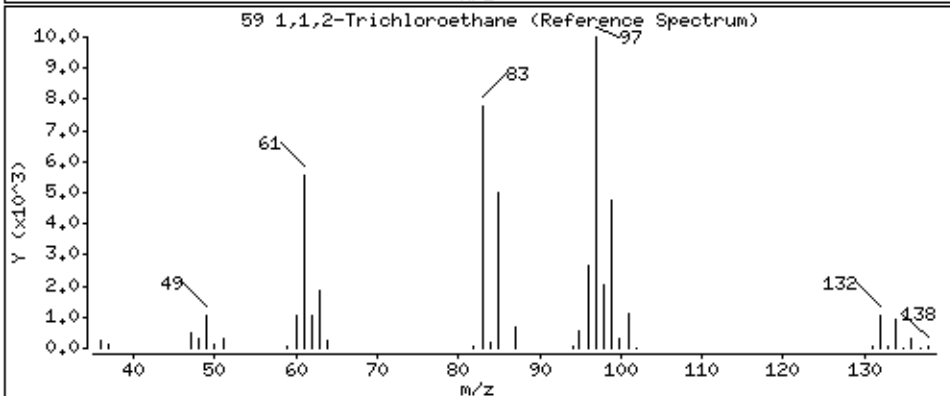
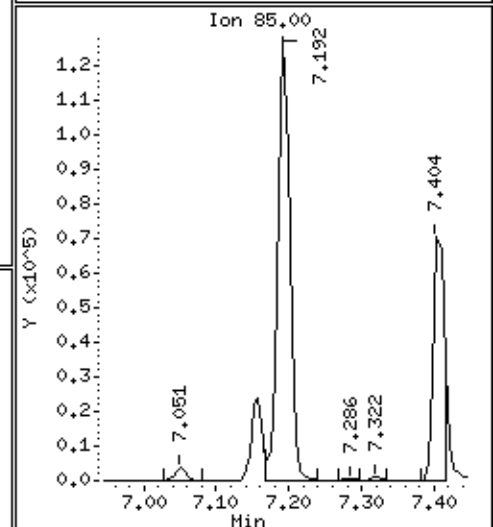
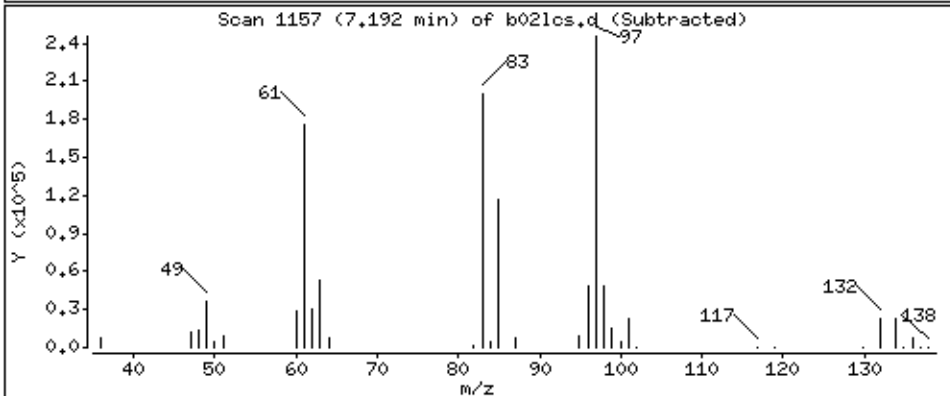
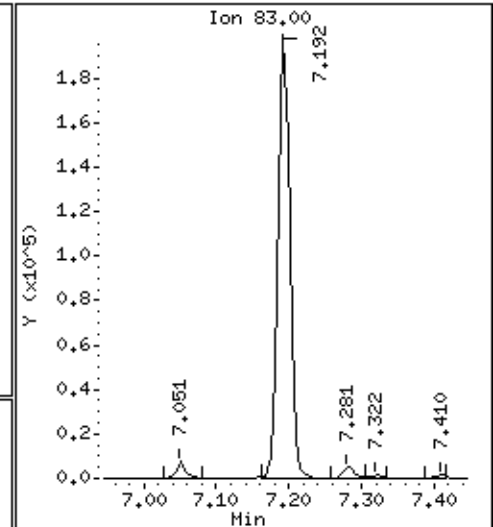
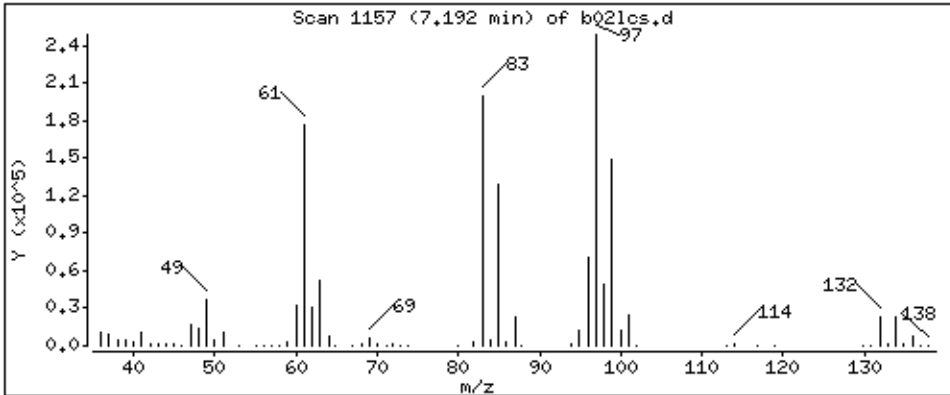
Operator: rsw

Column phase: DB-624

Column diameter: 0,18

59 1,1,2-Trichloroethane

Concentration: 50,7 ppb



Date : 01-JUL-2014 12:28

Client ID: 1121307

Instrument: 50mv4b.i

Sample Info: 1121307,71262;5

Purge Volume: 5.0

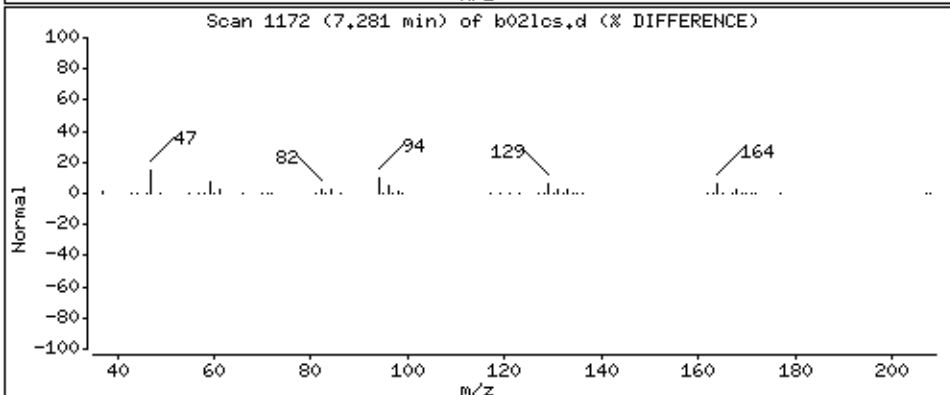
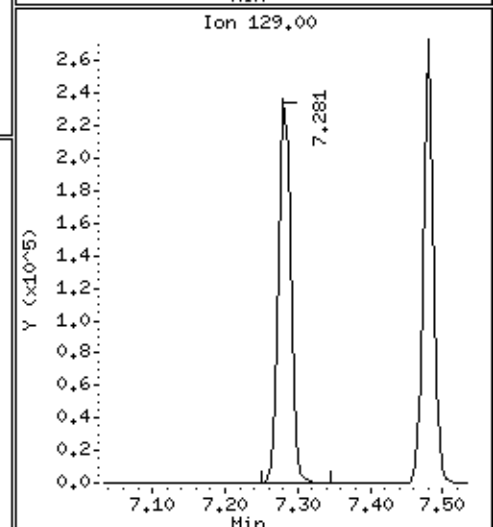
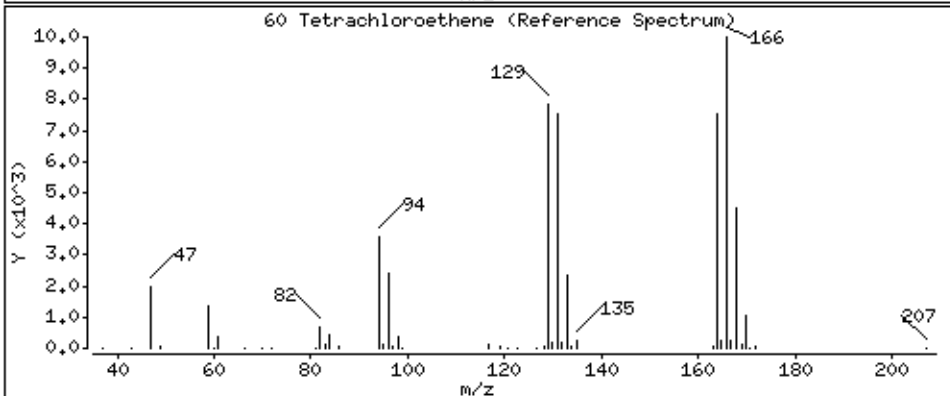
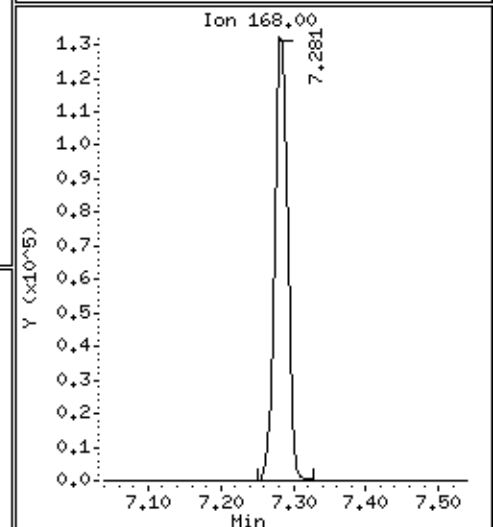
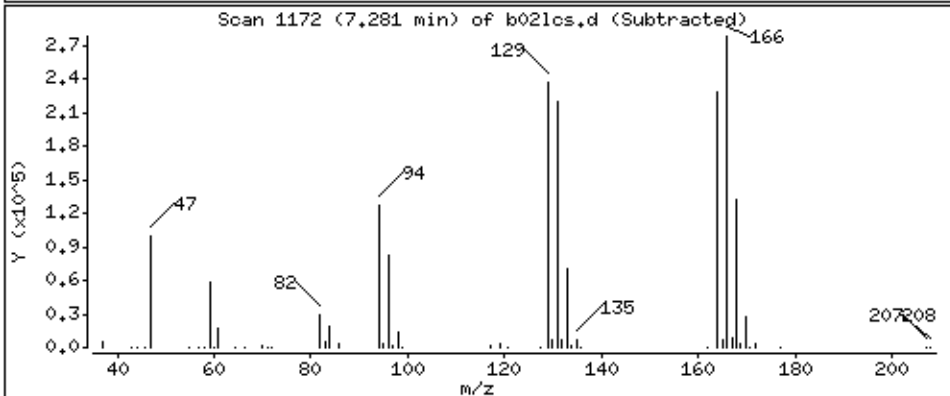
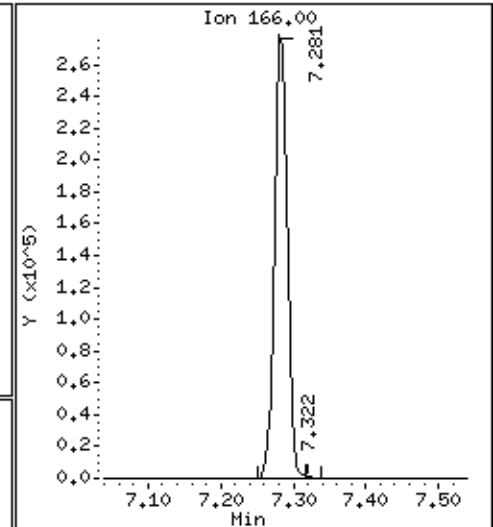
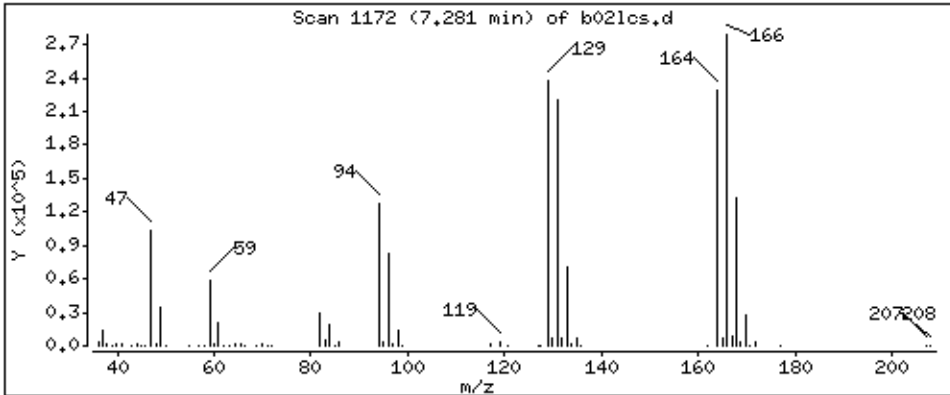
Operator: rsw

Column phase: DB-624

Column diameter: 0,18

60 Tetrachloroethene

Concentration: 48,4 ppb



Date : 01-JUL-2014 12:28

Client ID: 1121307

Instrument: 50mv4b.i

Sample Info: 1121307,71262;5

Purge Volume: 5.0

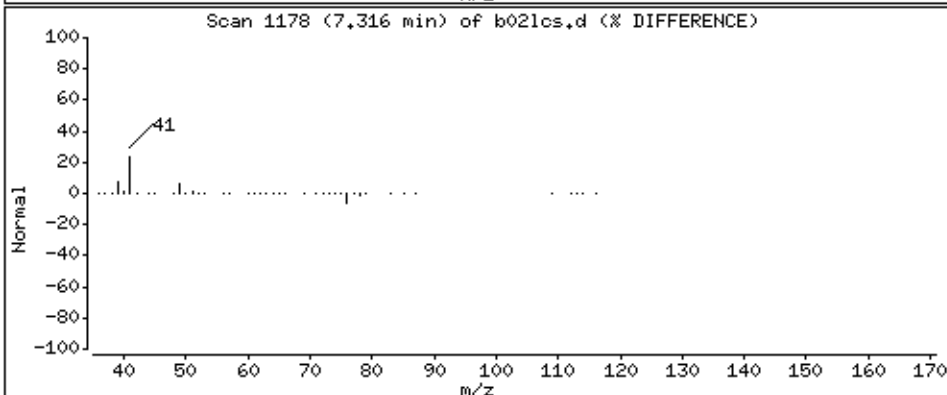
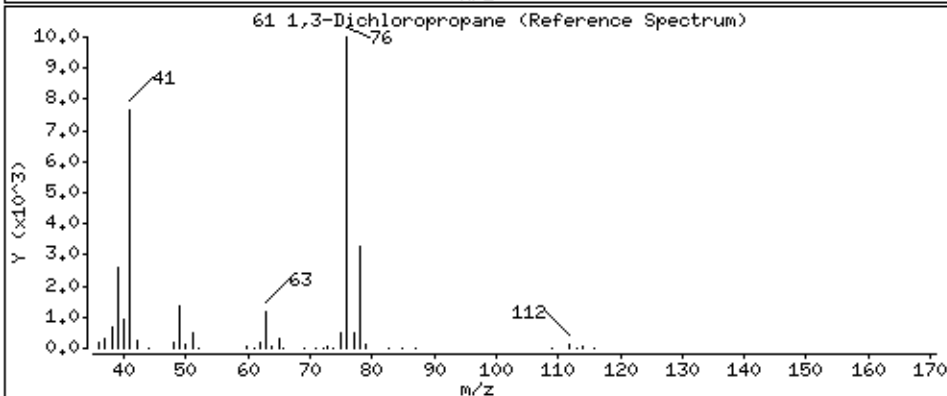
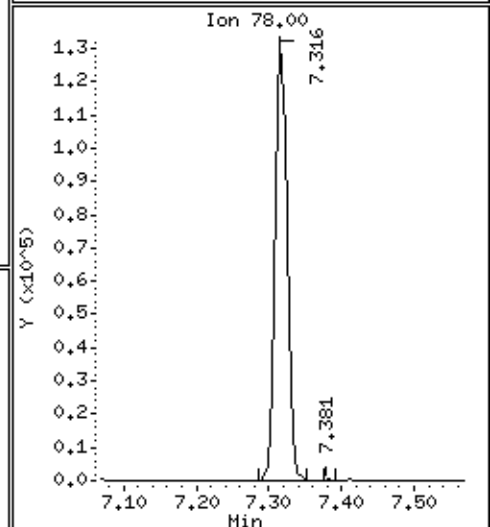
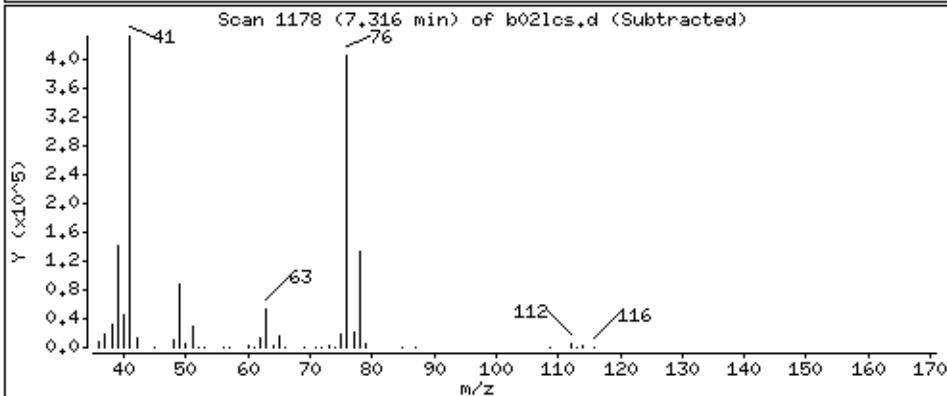
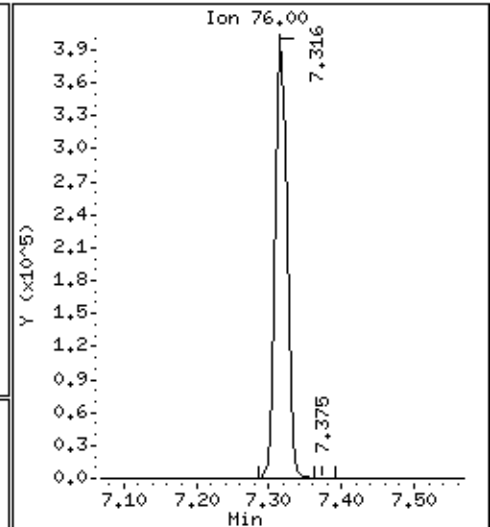
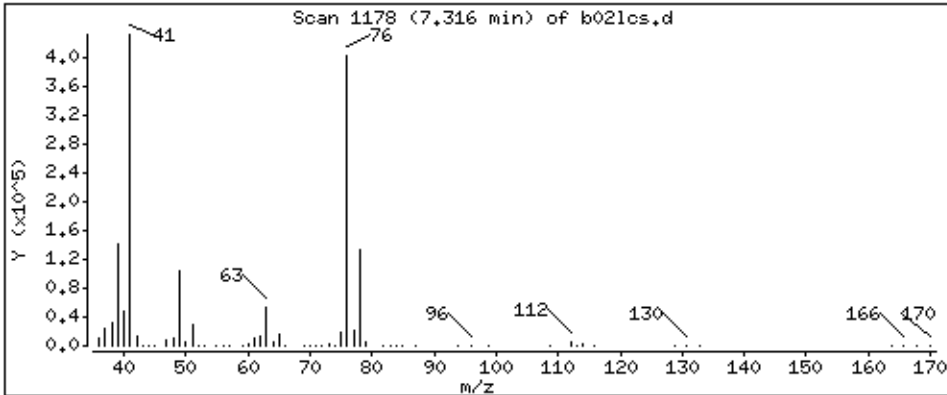
Operator: rsw

Column phase: DB-624

Column diameter: 0,18

61 1,3-Dichloropropane

Concentration: 51.7 ppb



Date : 01-JUL-2014 12:28

Client ID: 1121307

Instrument: 50mv4b.i

Sample Info: 1121307,71262;5

Purge Volume: 5.0

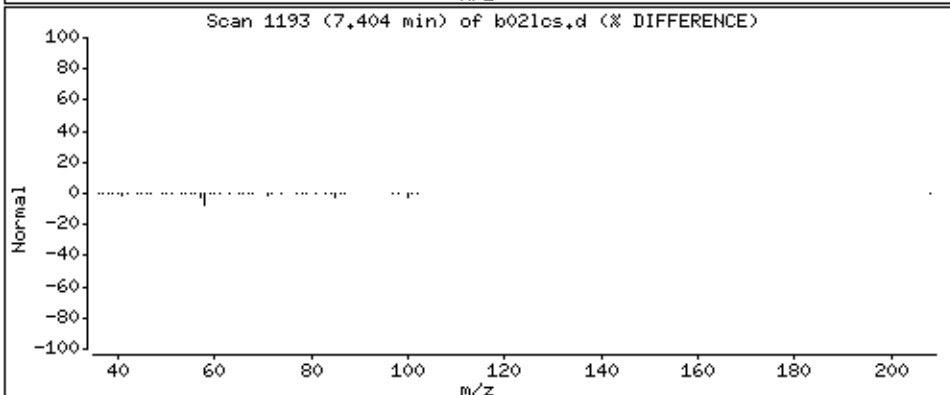
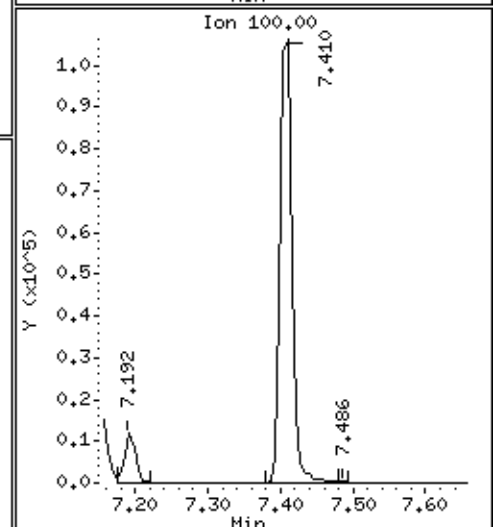
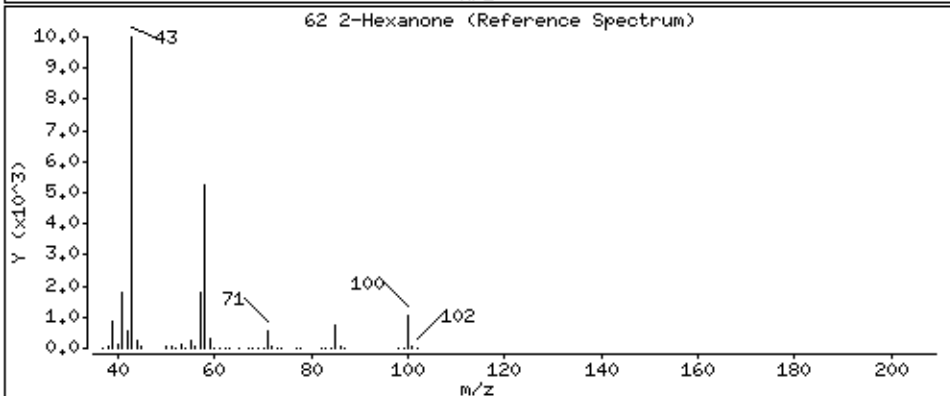
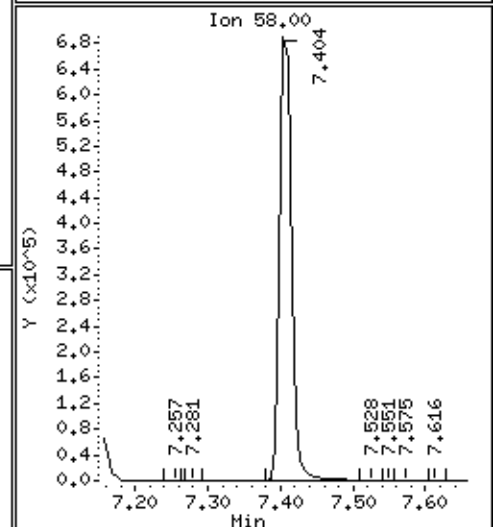
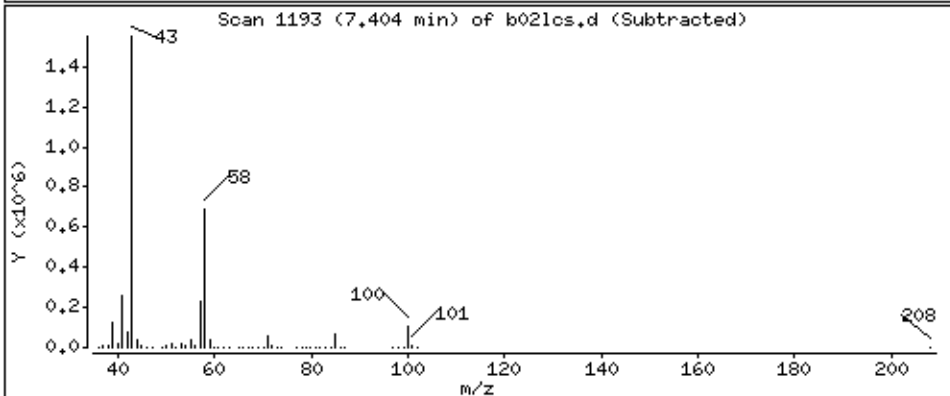
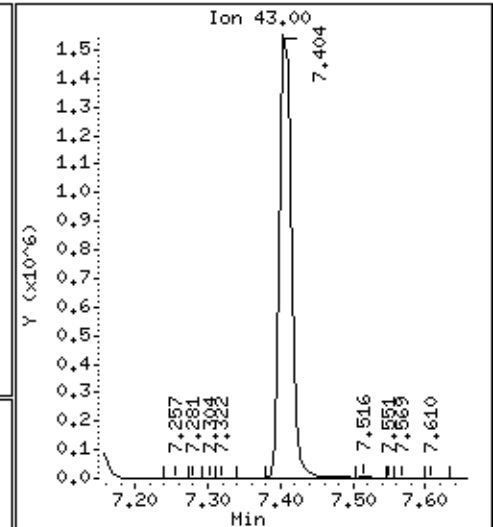
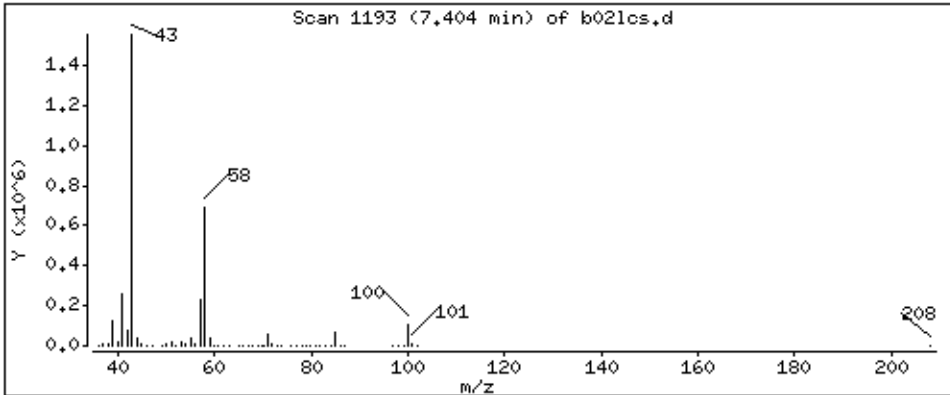
Operator: rsw

Column phase: DB-624

Column diameter: 0,18

62 2-Hexanone

Concentration: 339 ppb



Date : 01-JUL-2014 12:28

Client ID: 1121307

Instrument: 50mv4b.i

Sample Info: 1121307,71262;5

Purge Volume: 5.0

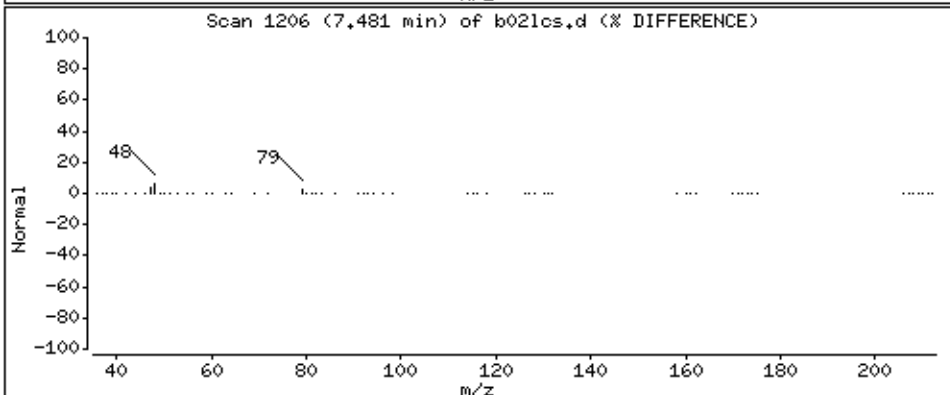
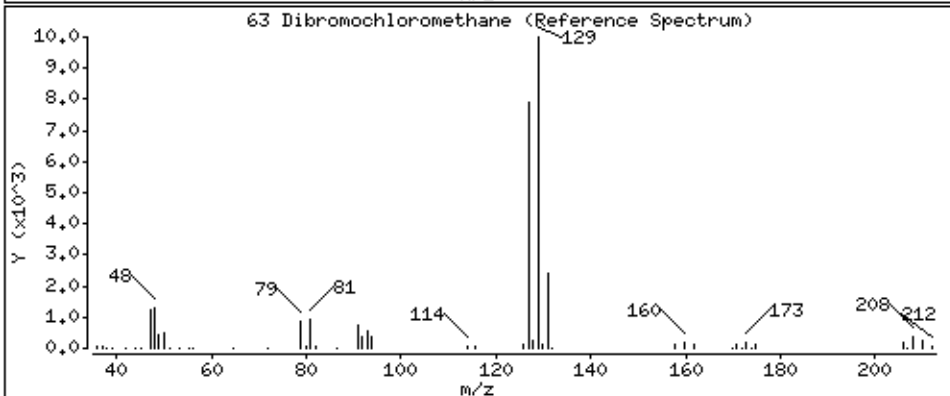
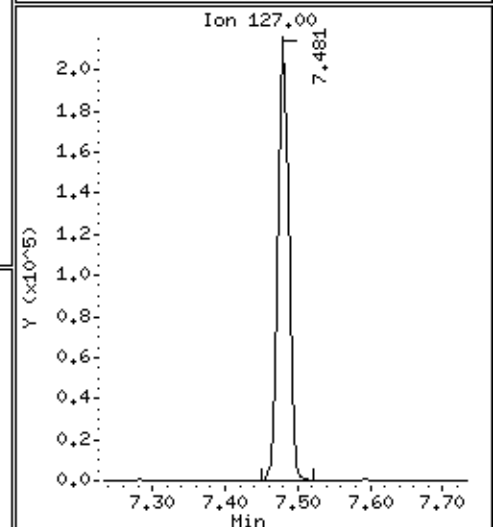
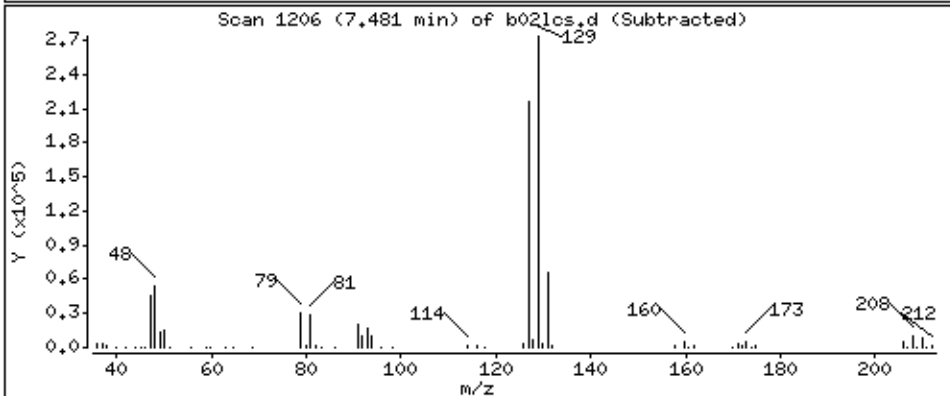
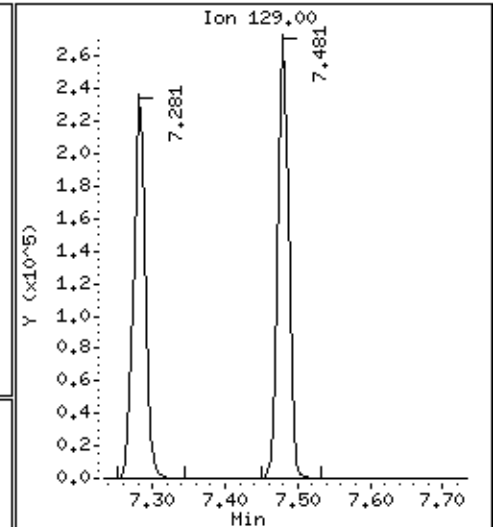
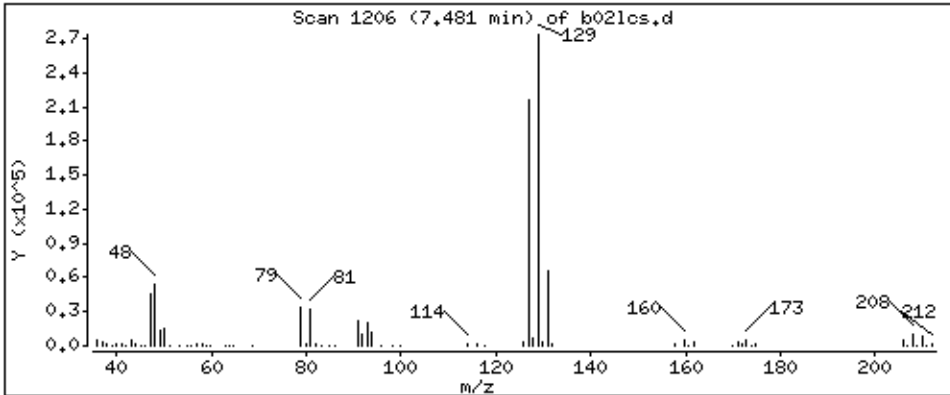
Operator: rsw

Column phase: DB-624

Column diameter: 0,18

63 Dibromochloromethane

Concentration: 44,8 ppb



Date : 01-JUL-2014 12:28

Client ID: 1121307

Instrument: 50mv4b.i

Sample Info: 1121307,71262;5

Purge Volume: 5.0

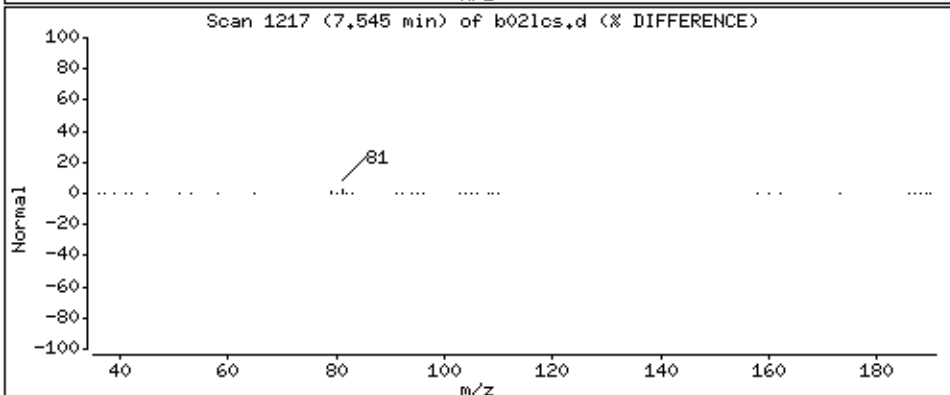
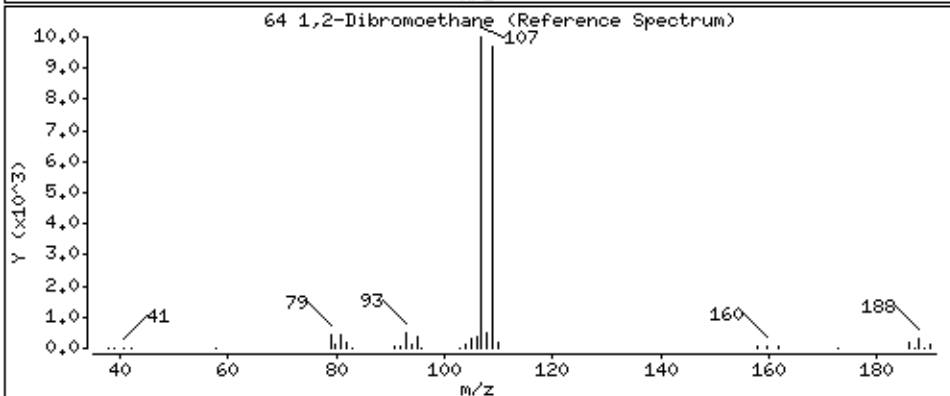
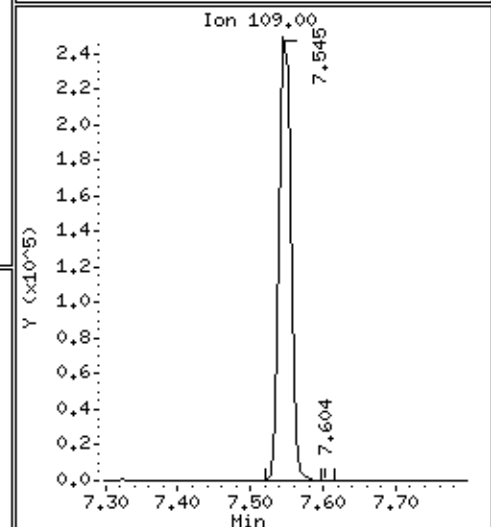
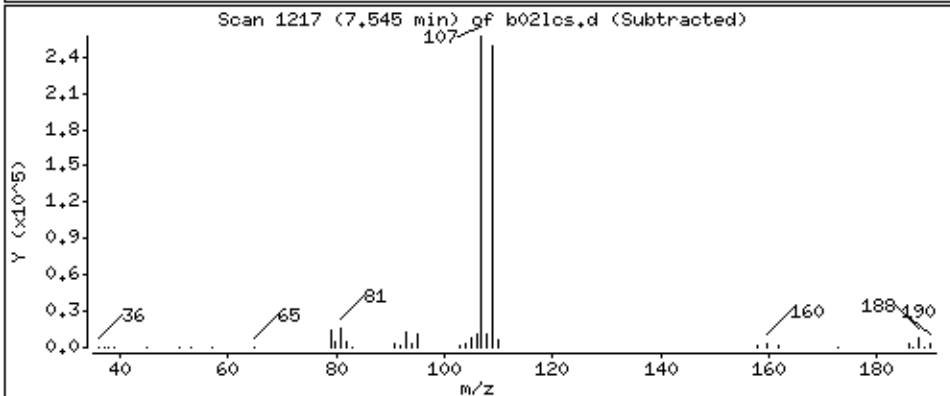
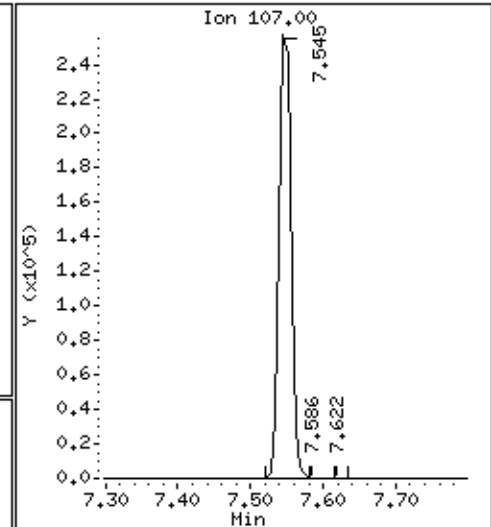
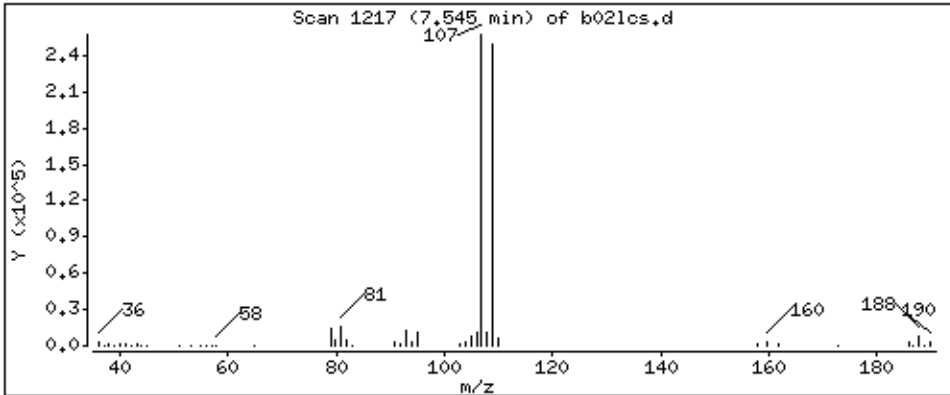
Operator: rsw

Column phase: DB-624

Column diameter: 0,18

64 1,2-Dibromoethane

Concentration: 55,5 ppb



Date : 01-JUL-2014 12:28

Client ID: 1121307

Instrument: 50mv4b.i

Sample Info: 1121307,71262;5

Purge Volume: 5.0

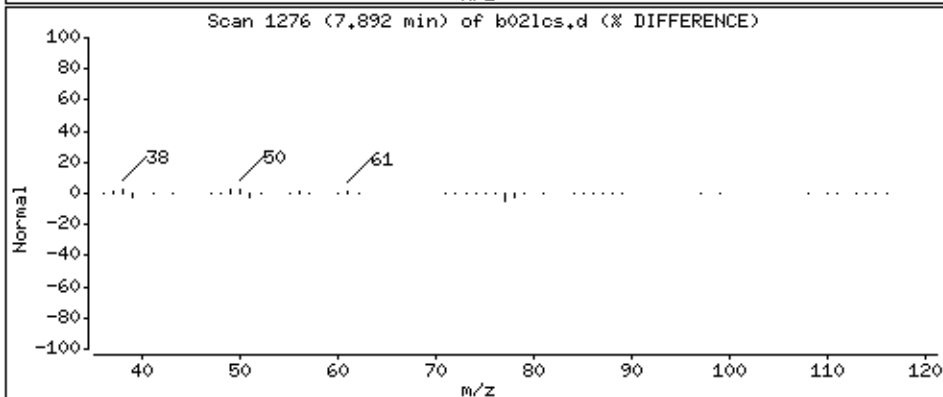
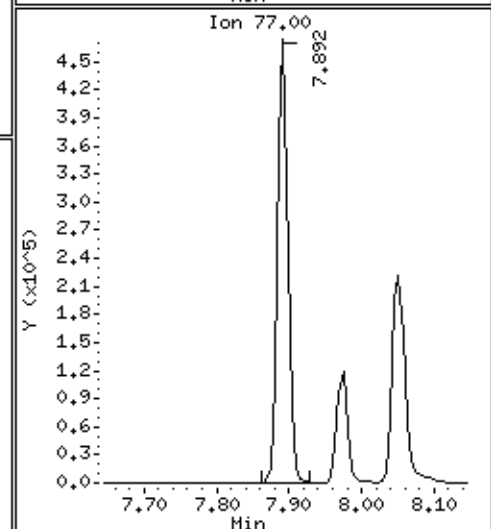
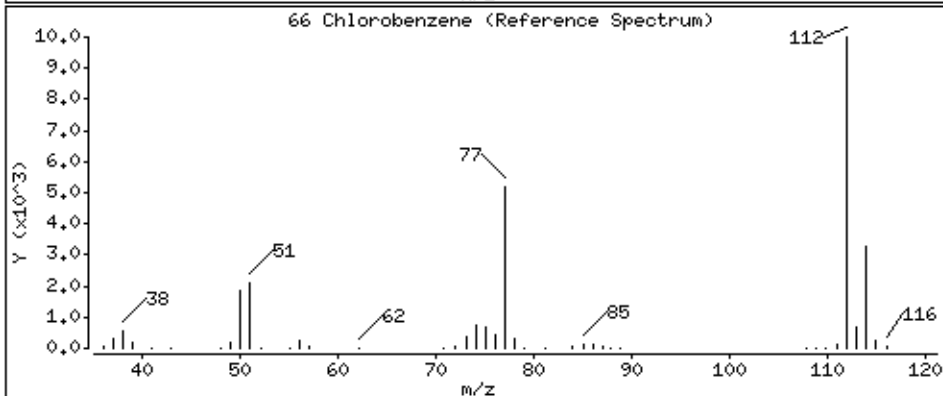
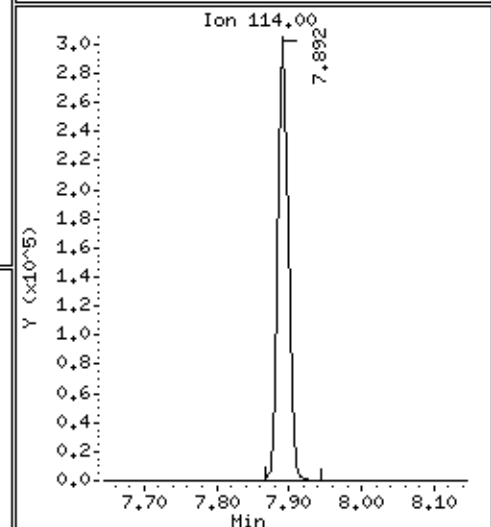
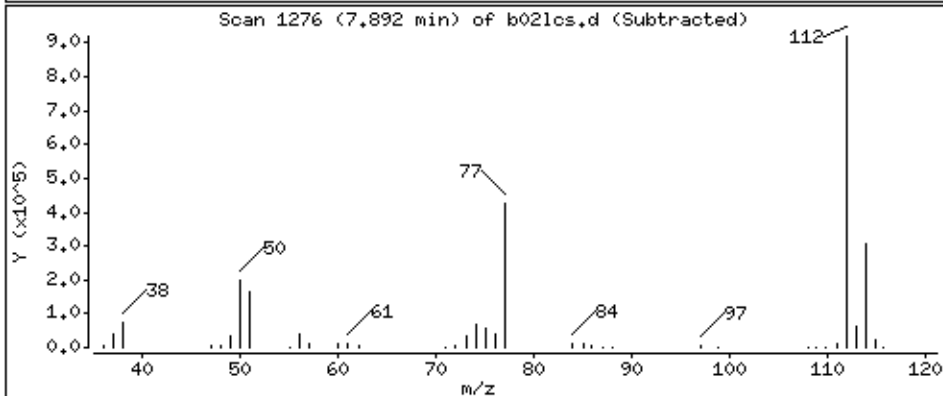
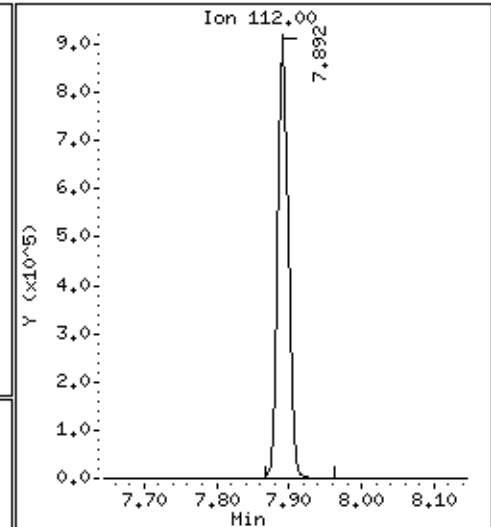
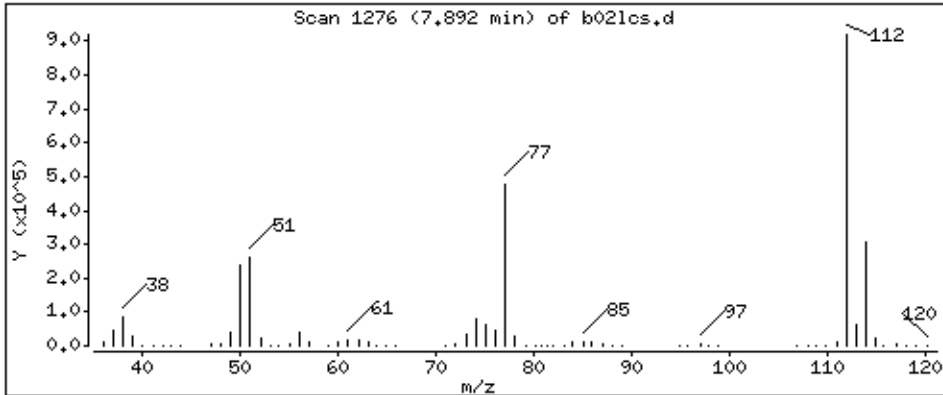
Operator: rsw

Column phase: DB-624

Column diameter: 0,18

66 Chlorobenzene

Concentration: 50,4 ppb



Date : 01-JUL-2014 12:28

Client ID: 1121307

Instrument: 50mv4b.i

Sample Info: 1121307,71262;5

Purge Volume: 5.0

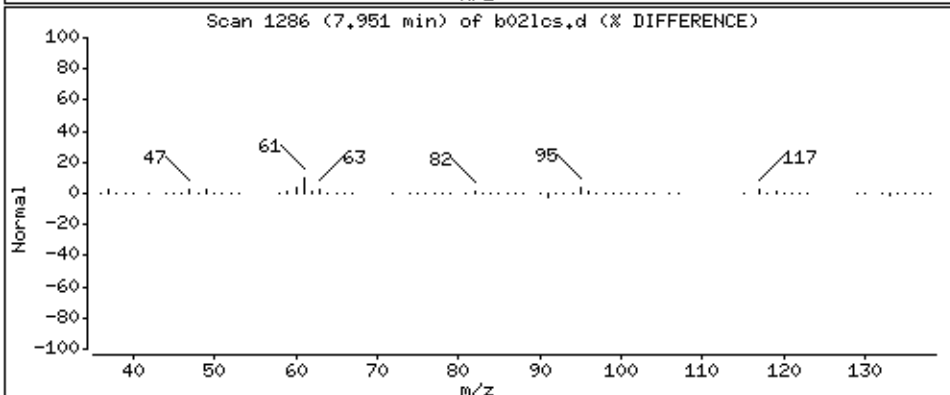
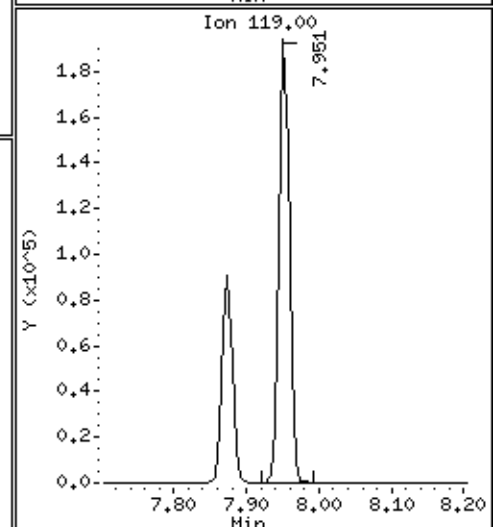
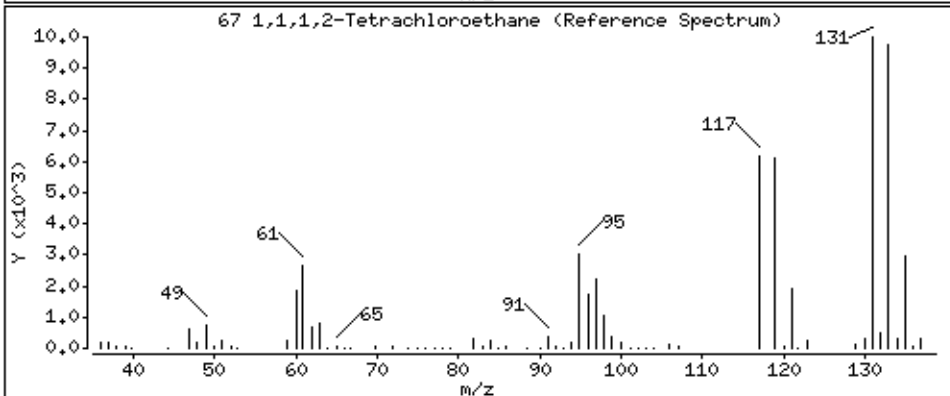
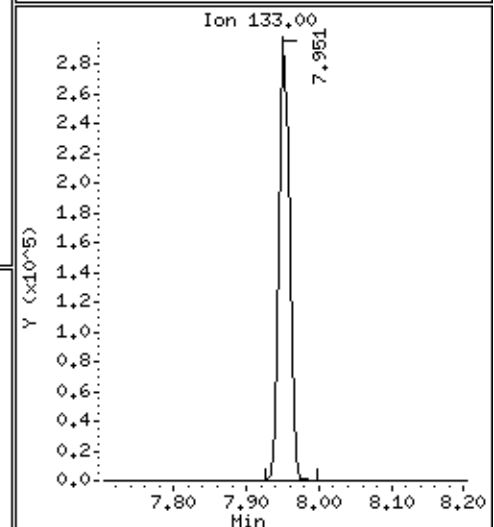
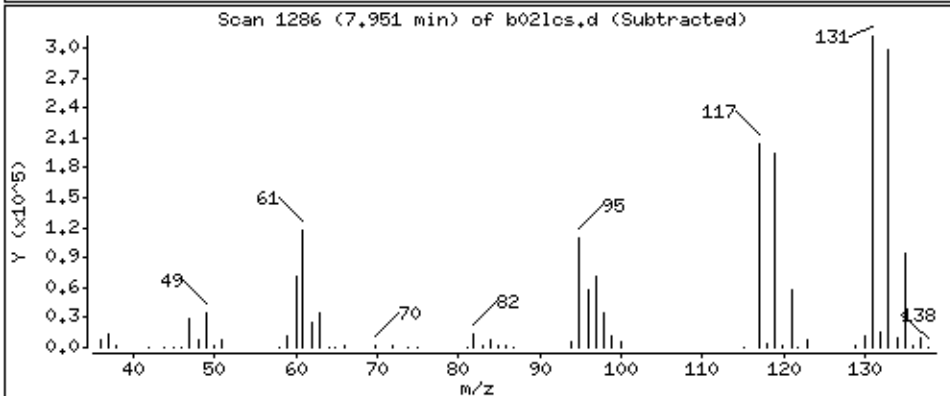
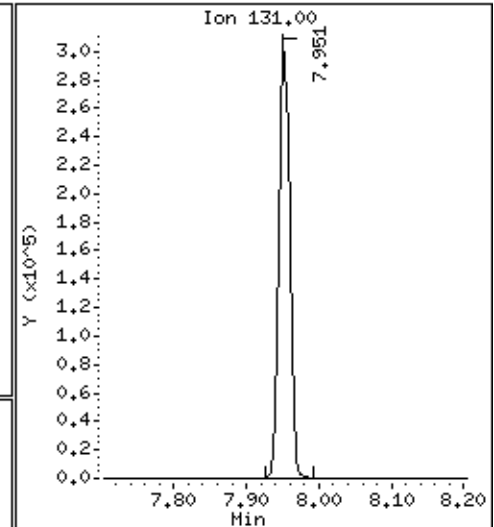
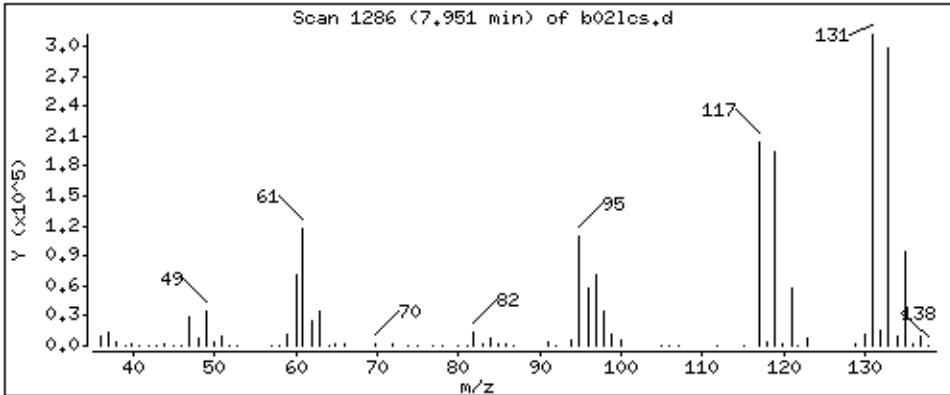
Operator: rsw

Column phase: DB-624

Column diameter: 0,18

67 1,1,1,2-Tetrachloroethane

Concentration: 59,7 ppb



Date : 01-JUL-2014 12:28

Client ID: 1121307

Instrument: 50mv4b.i

Sample Info: 1121307,71262;5

Purge Volume: 5.0

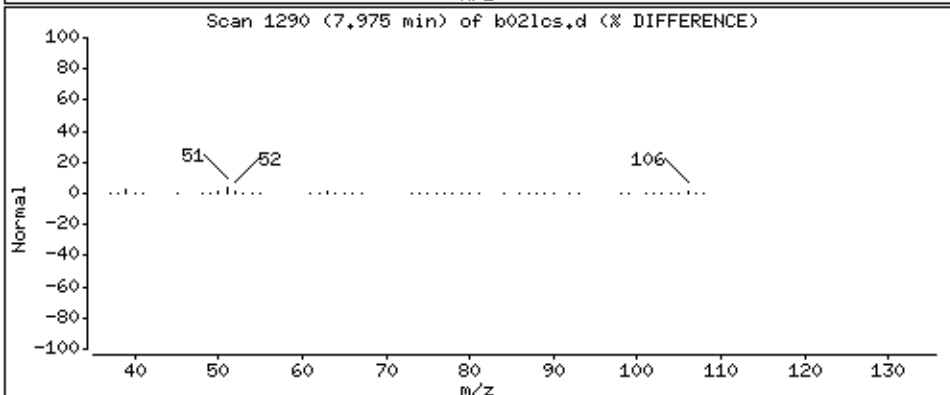
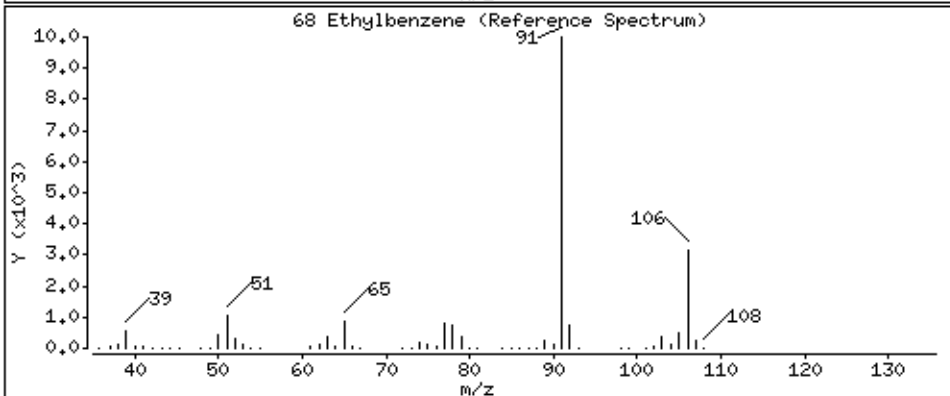
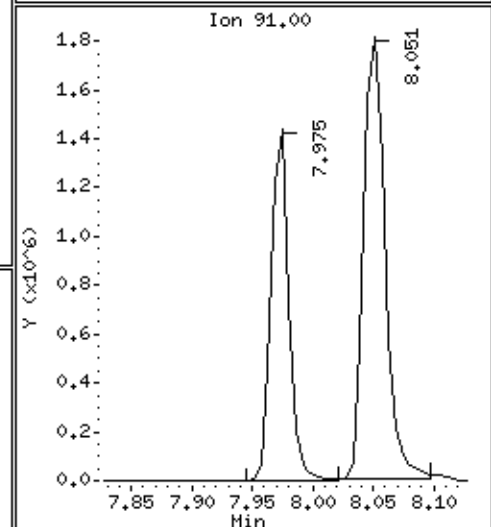
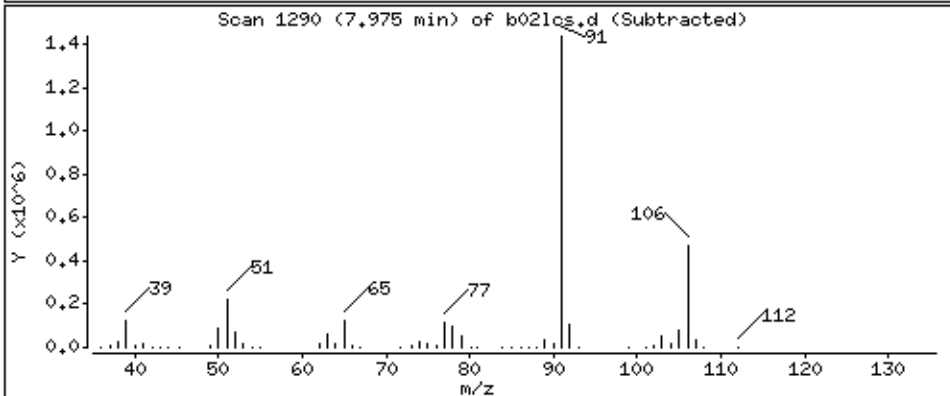
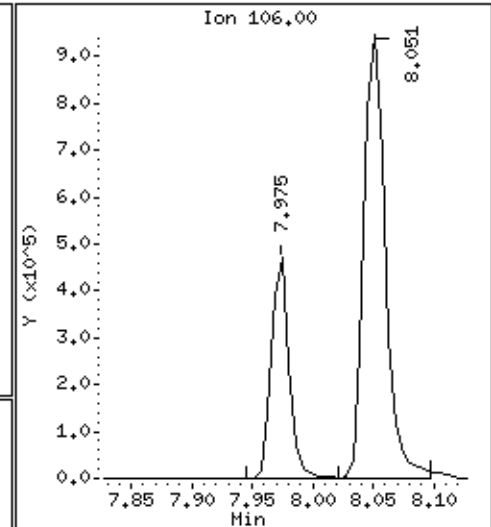
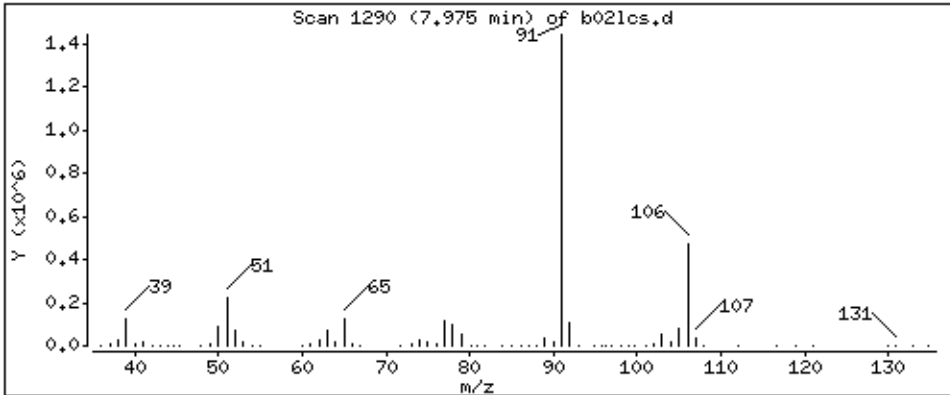
Operator: rsw

Column phase: DB-624

Column diameter: 0,18

68 Ethylbenzene

Concentration: 55,3 ppb



Date : 01-JUL-2014 12:28

Client ID: 1121307

Instrument: 50mv4b.i

Sample Info: 1121307,71262;5

Purge Volume: 5.0

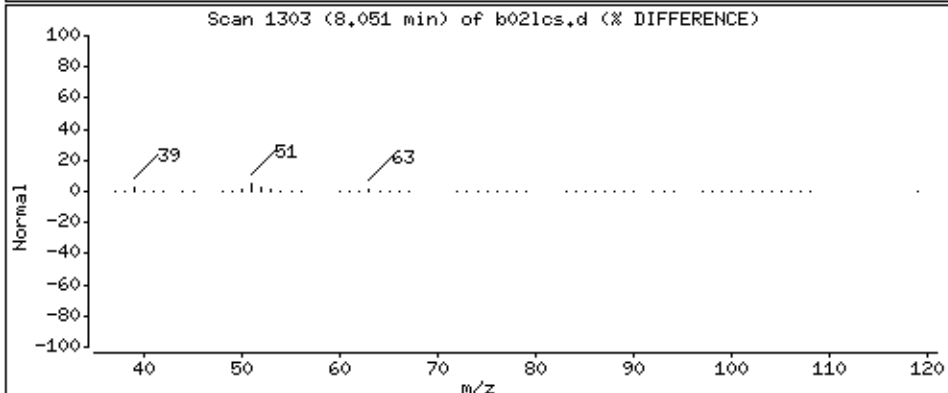
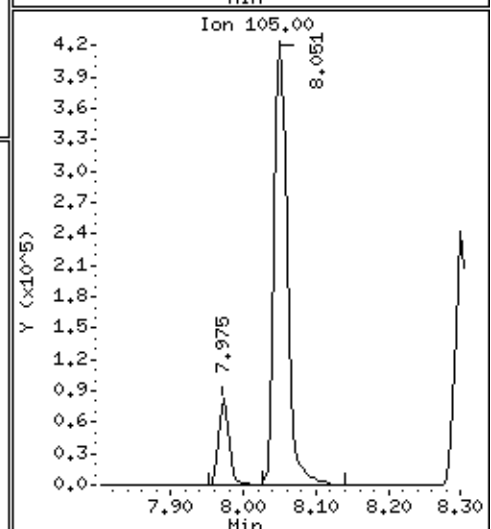
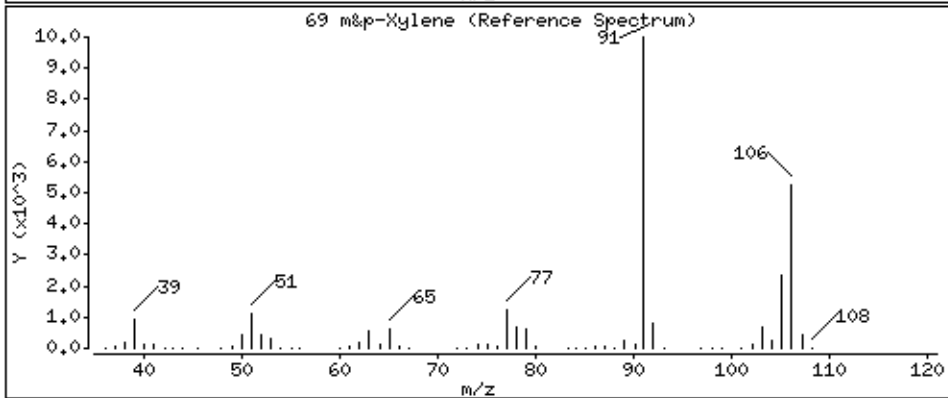
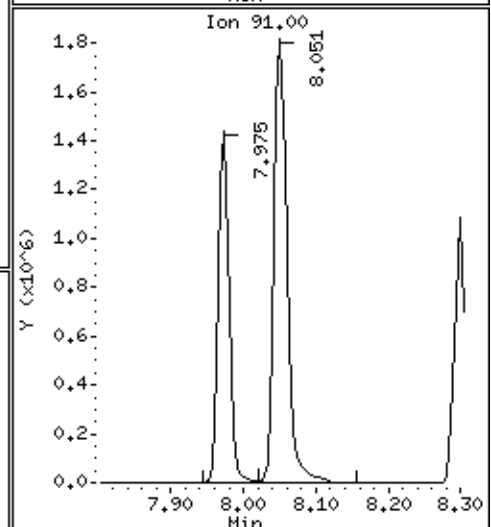
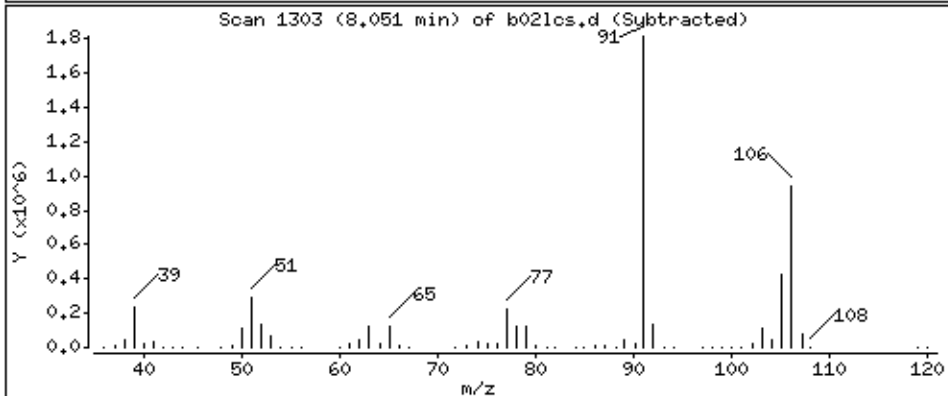
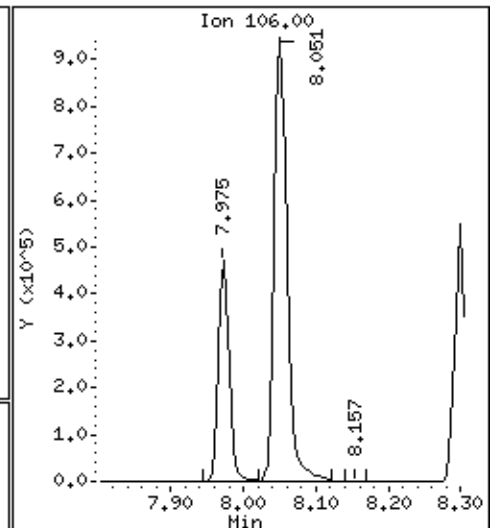
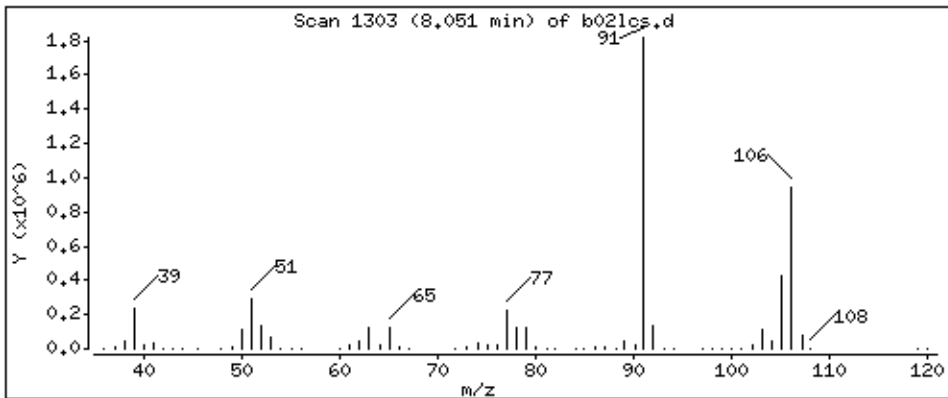
Operator: rsw

Column phase: DB-624

Column diameter: 0,18

69 m&p-Xylene

Concentration: 115 ppb



Date : 01-JUL-2014 12:28

Client ID: 1121307

Instrument: 50mv4b.i

Sample Info: 1121307,71262;5

Purge Volume: 5.0

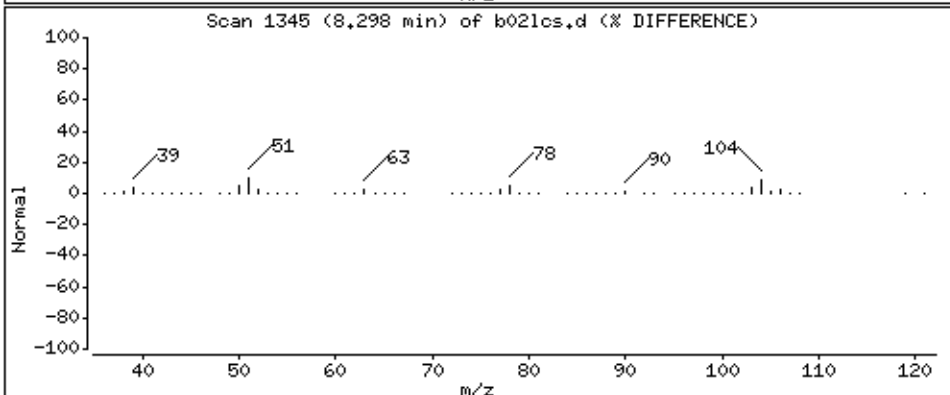
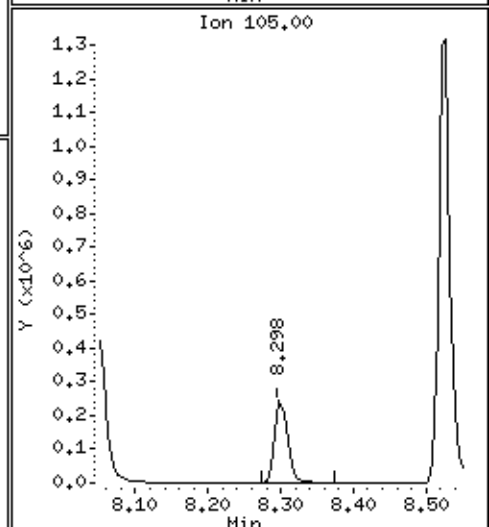
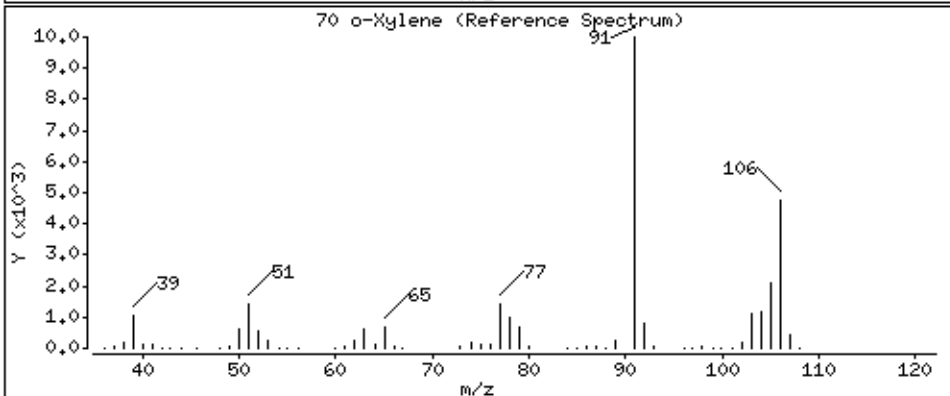
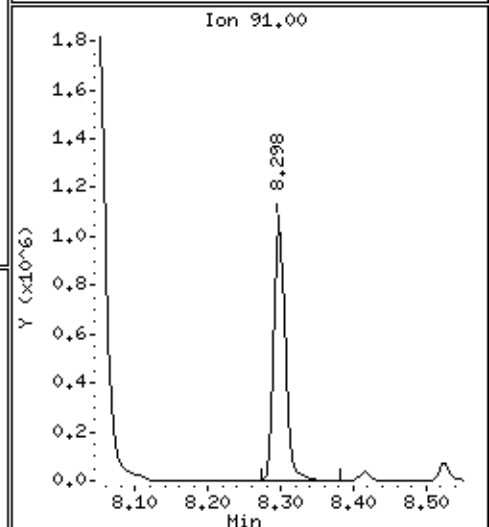
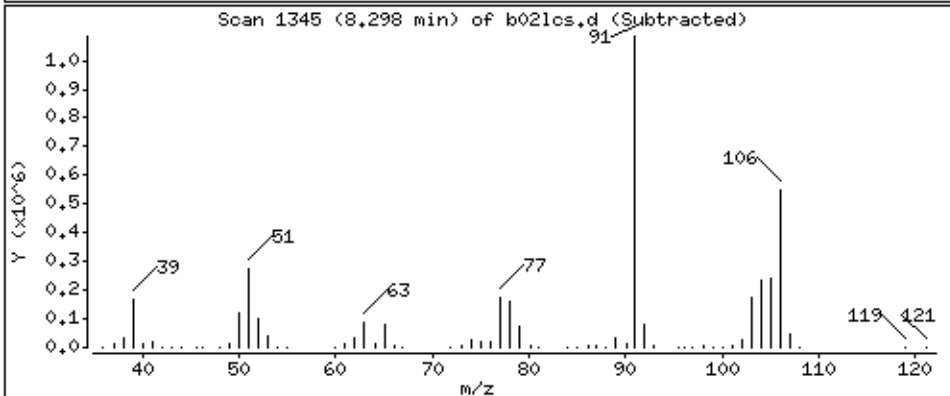
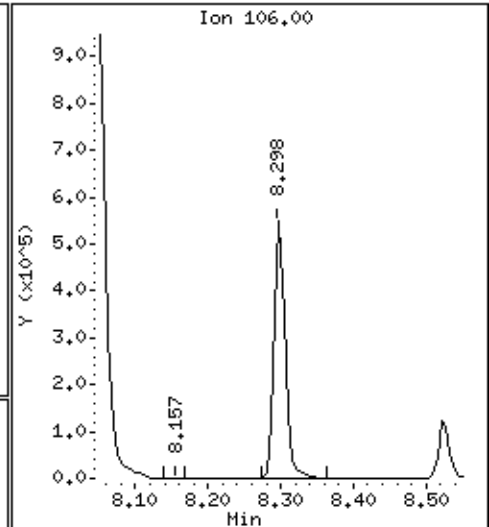
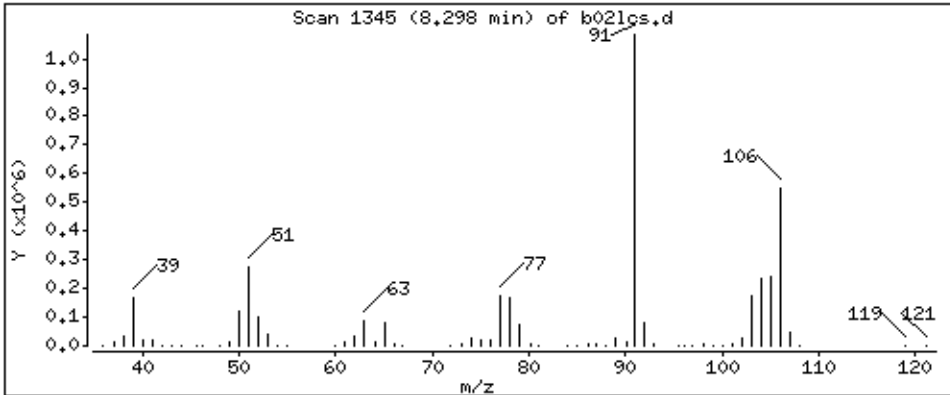
Operator: rsw

Column phase: DB-624

Column diameter: 0,18

70 o-Xylene

Concentration: 58,5 ppb



Date : 01-JUL-2014 12:28

Client ID: 1121307

Instrument: 50mv4b.i

Sample Info: 1121307,71262;5

Purge Volume: 5.0

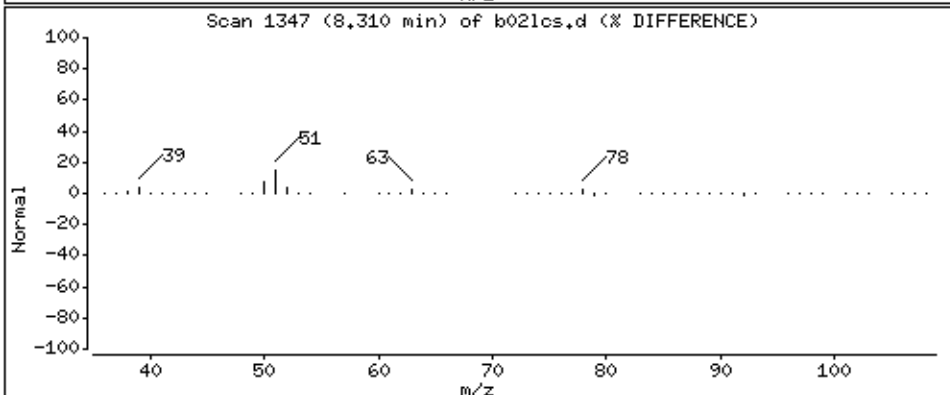
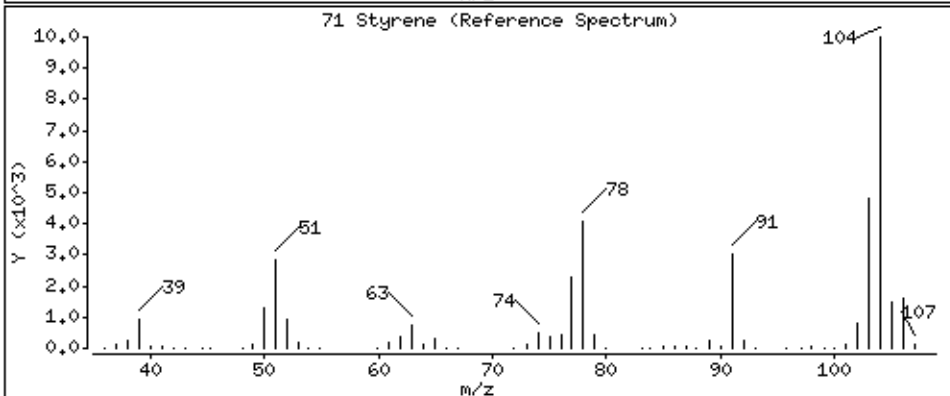
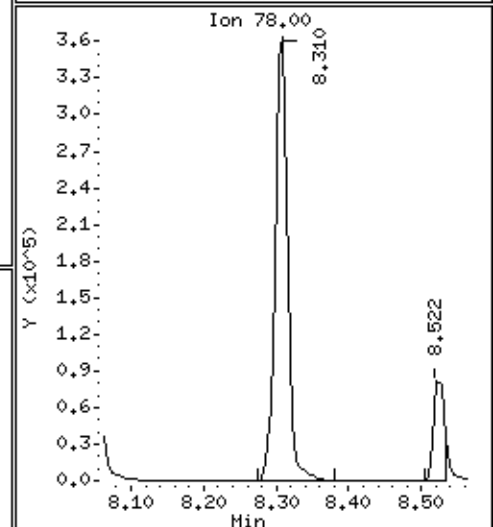
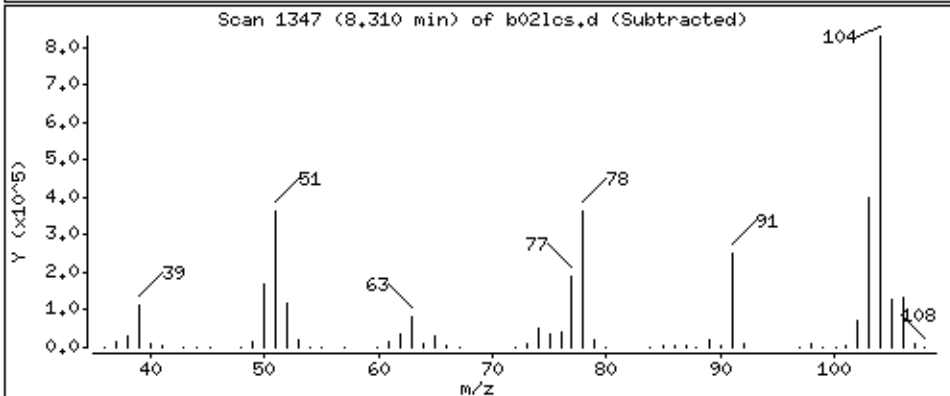
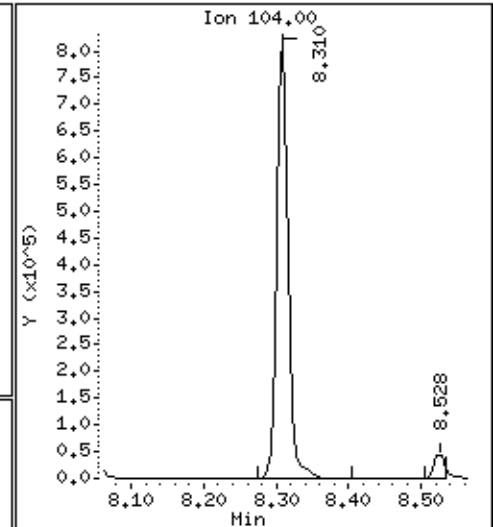
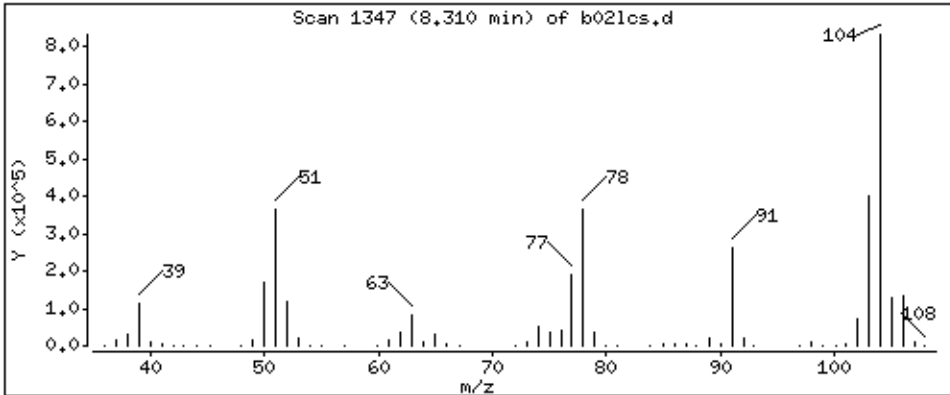
Operator: rsw

Column phase: DB-624

Column diameter: 0,18

71 Styrene

Concentration: 53,8 ppb



Date : 01-JUL-2014 12:28

Client ID: 1121307

Instrument: 50mv4b.i

Sample Info: 1121307,71262;5

Purge Volume: 5.0

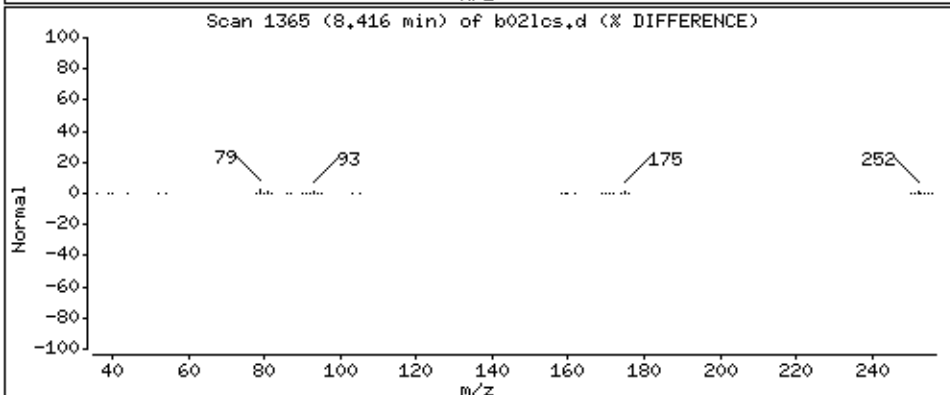
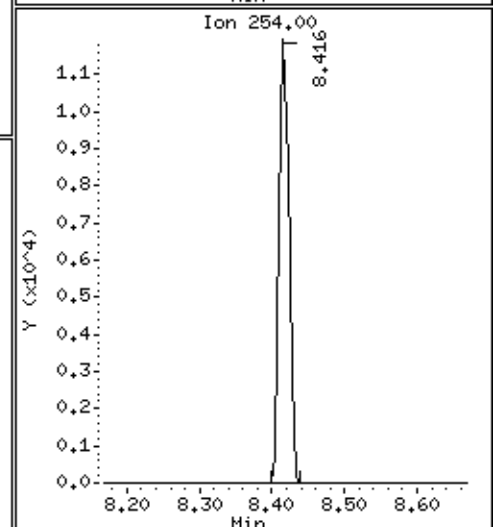
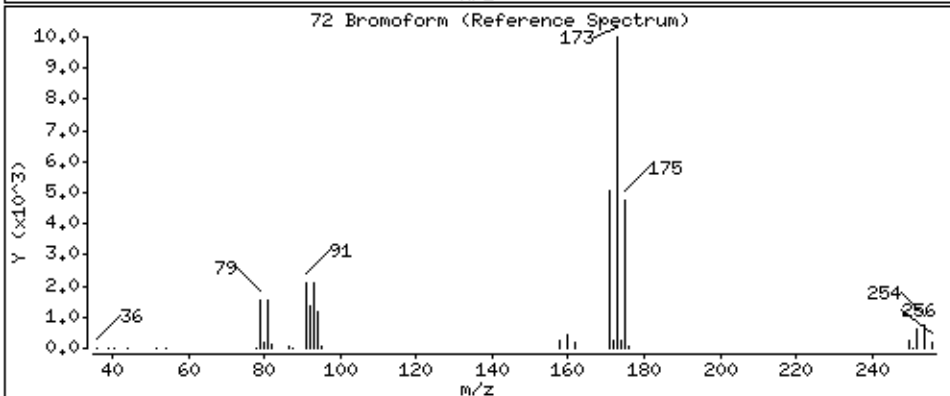
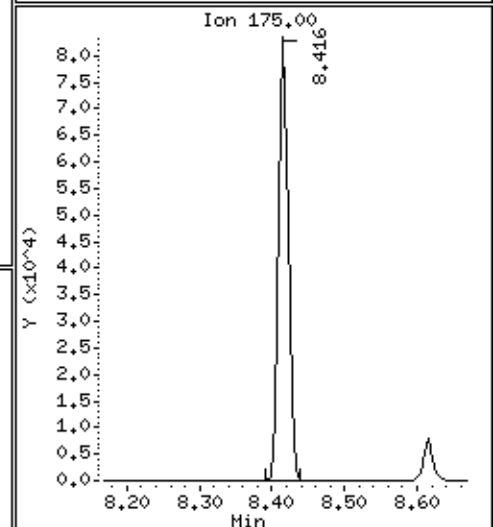
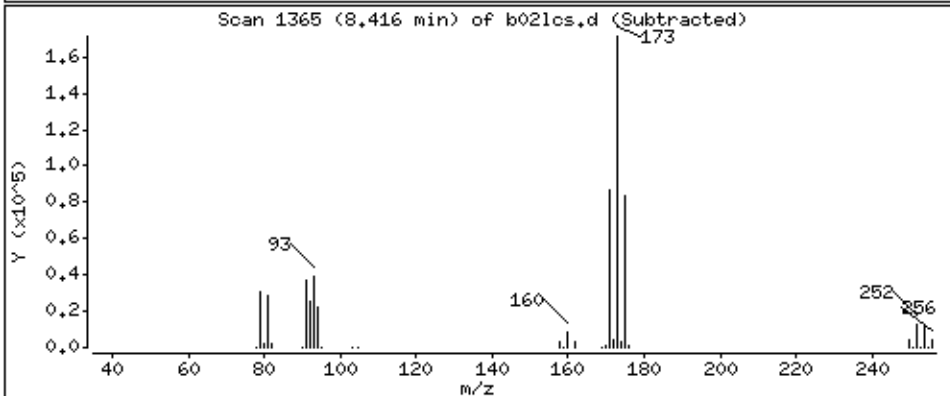
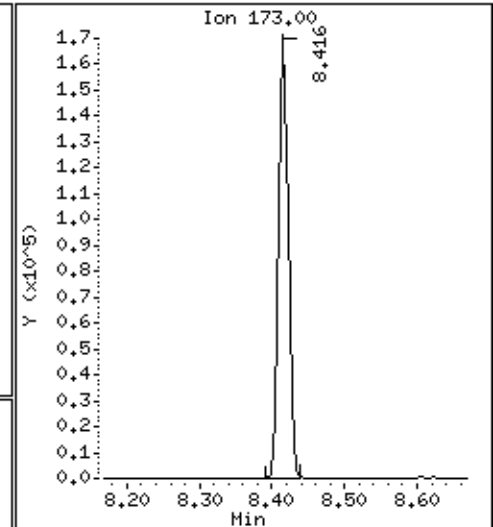
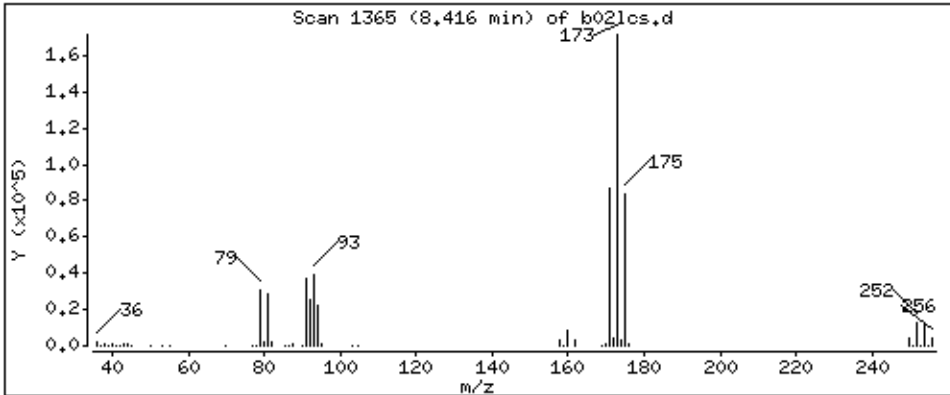
Operator: rsw

Column phase: DB-624

Column diameter: 0,18

72 Bromoform

Concentration: 44,2 ppb



Date : 01-JUL-2014 12:28

Client ID: 1121307

Instrument: 50mv4b.i

Sample Info: 1121307,71262;5

Purge Volume: 5.0

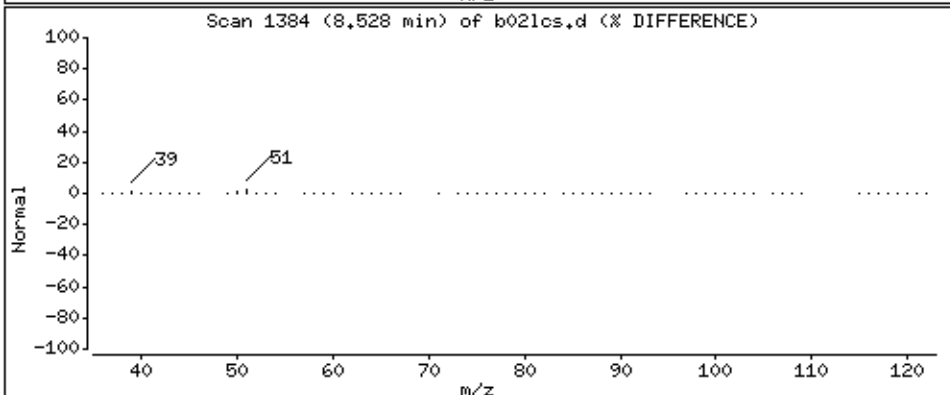
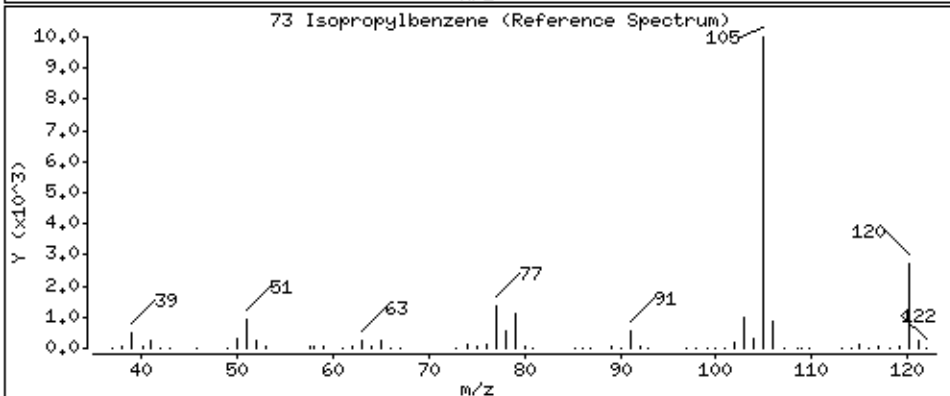
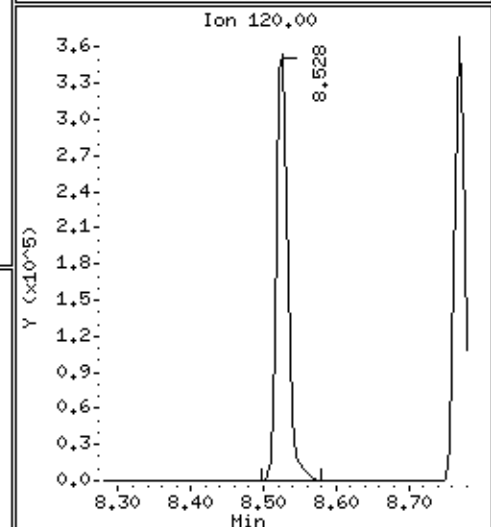
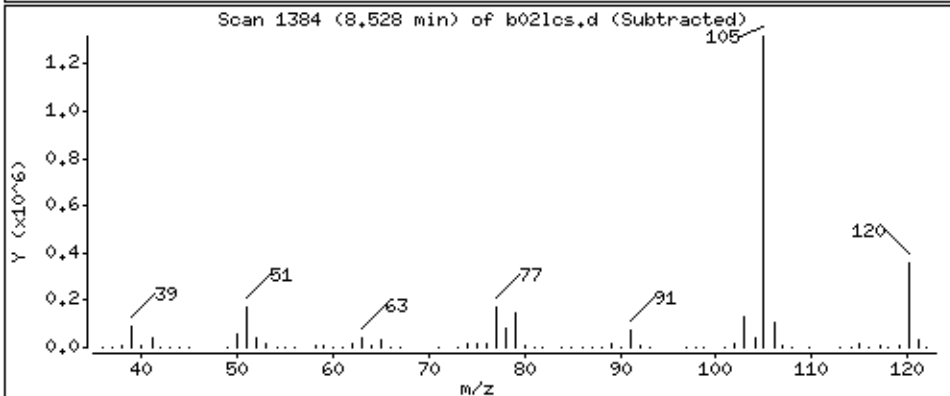
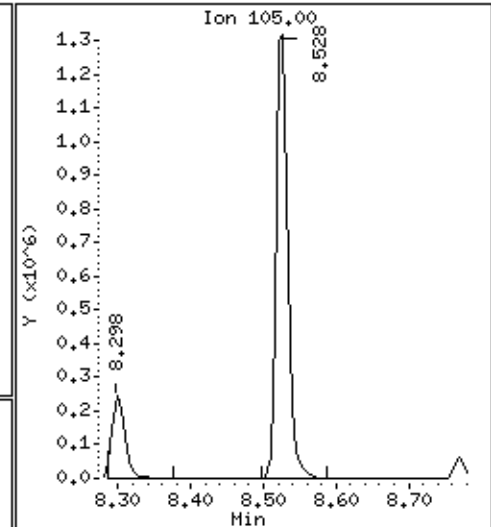
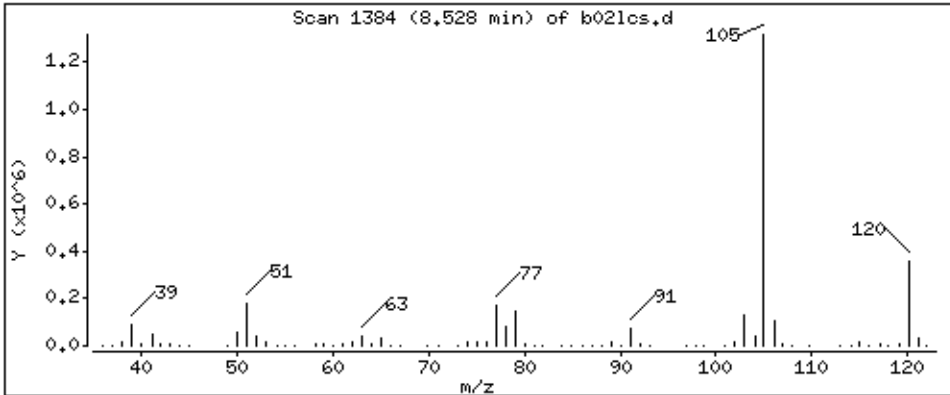
Operator: rsw

Column phase: DB-624

Column diameter: 0,18

73 Isopropylbenzene

Concentration: 56,0 ppb



Date : 01-JUL-2014 12:28

Client ID: 1121307

Instrument: 50mv4b.i

Sample Info: 1121307,71262;5

Purge Volume: 5.0

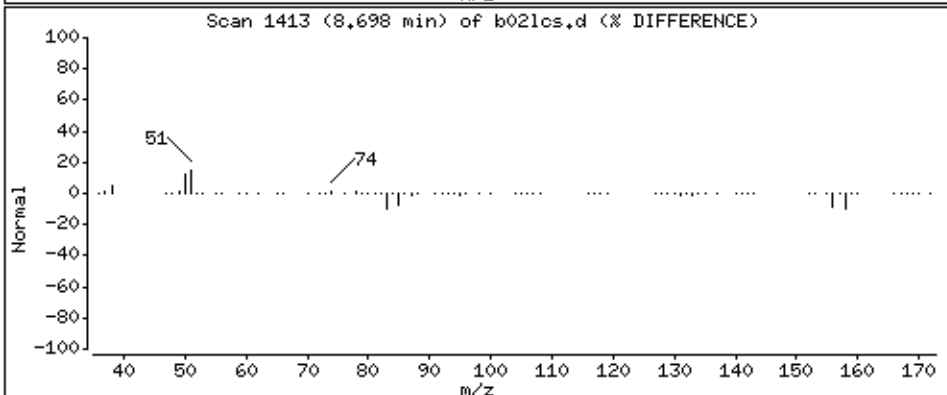
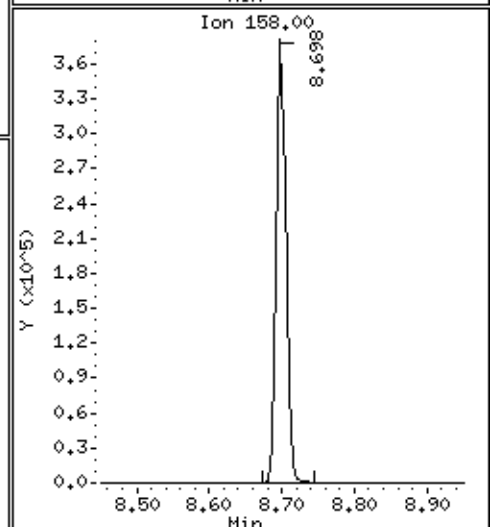
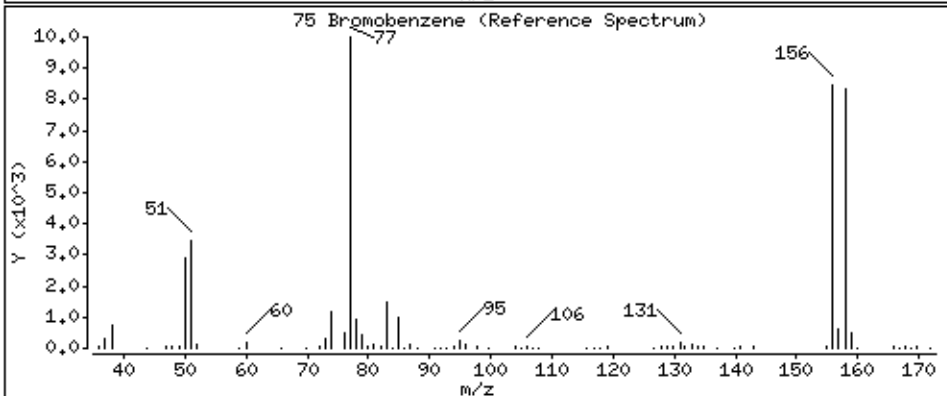
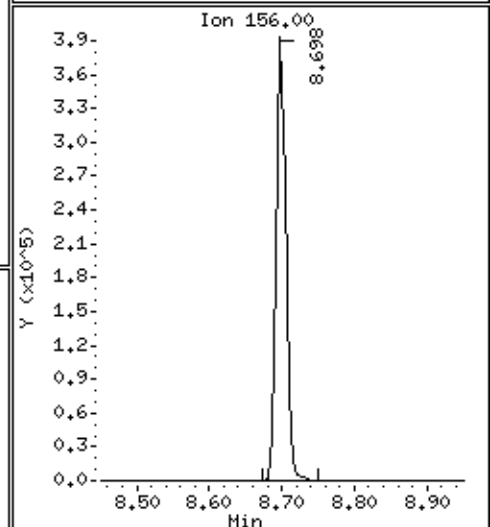
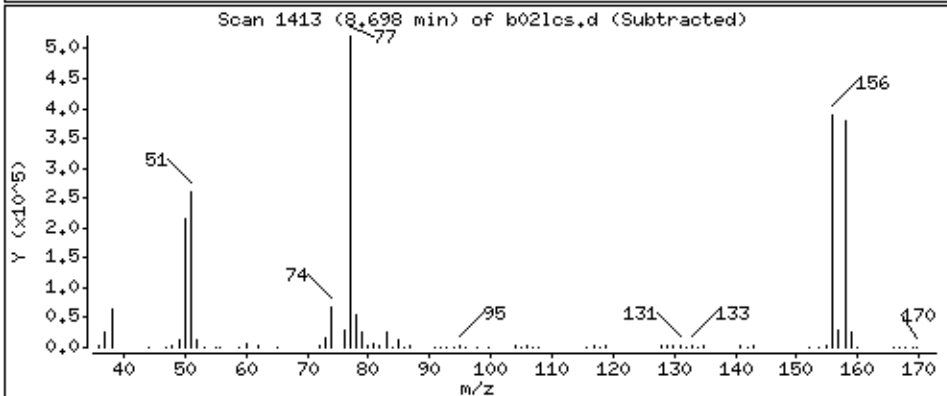
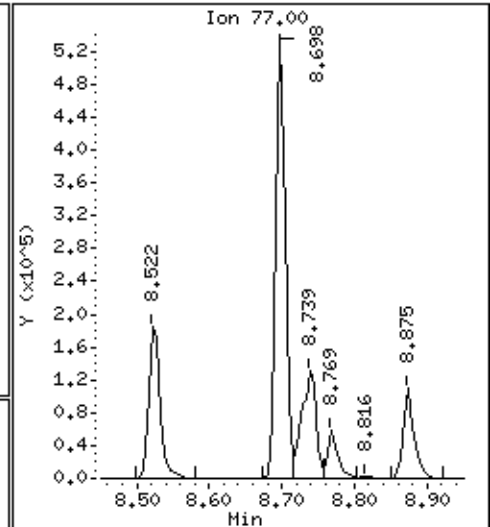
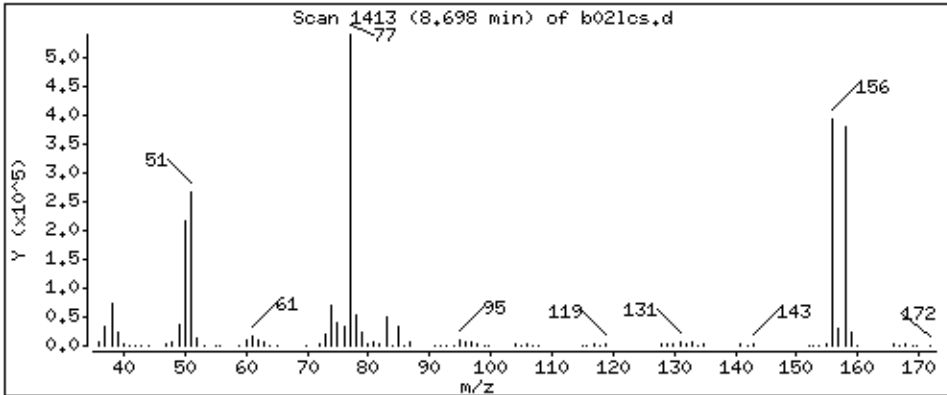
Operator: rsw

Column phase: DB-624

Column diameter: 0,18

75 Bromobenzene

Concentration: 51.4 ppb



Date : 01-JUL-2014 12:28

Client ID: 1121307

Instrument: 50mv4b.i

Sample Info: 1121307,71262;5

Purge Volume: 5.0

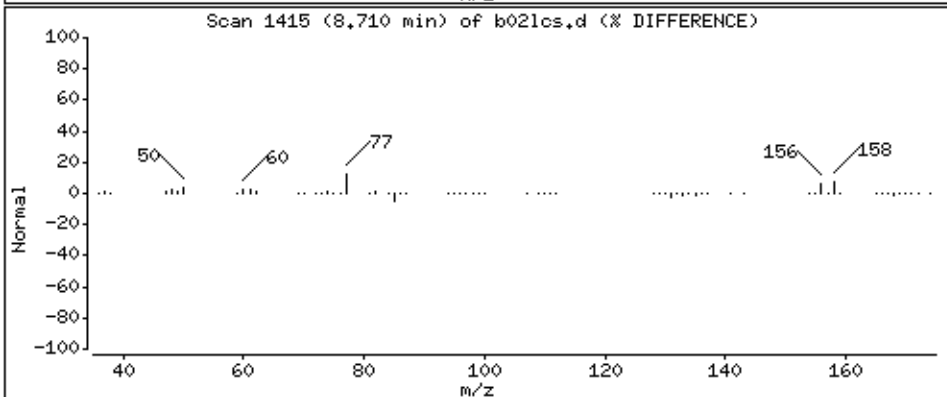
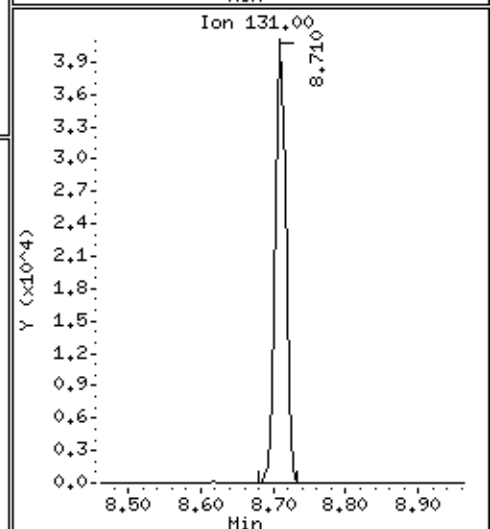
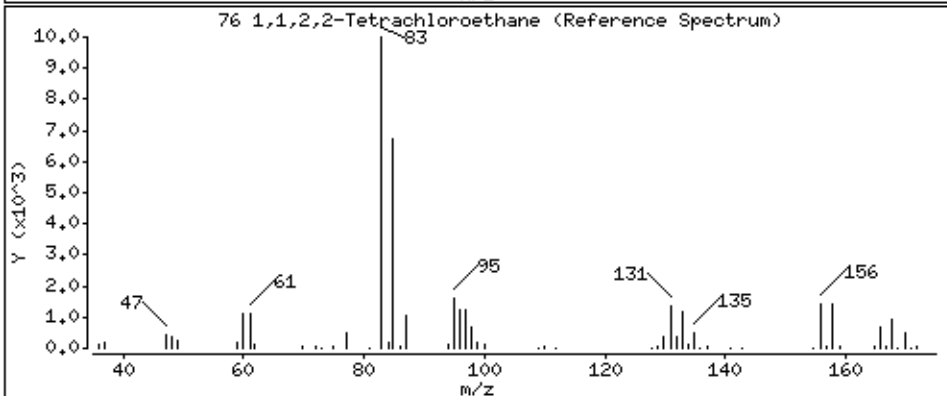
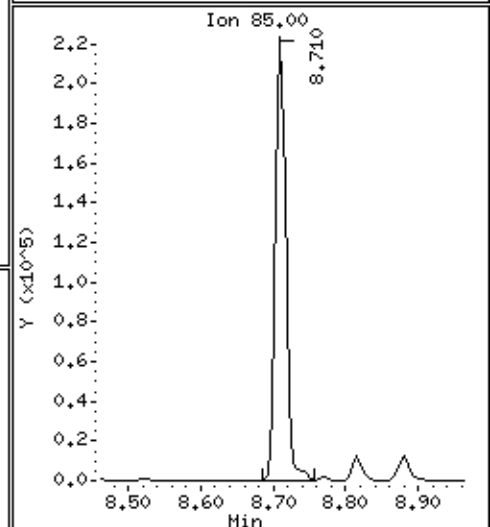
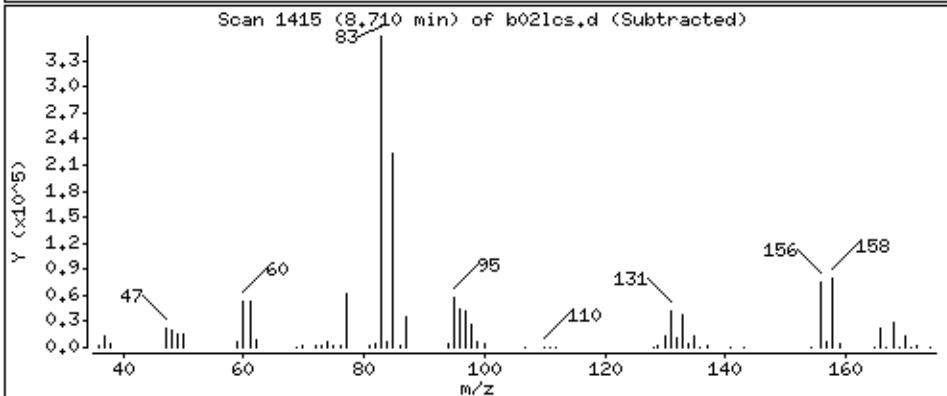
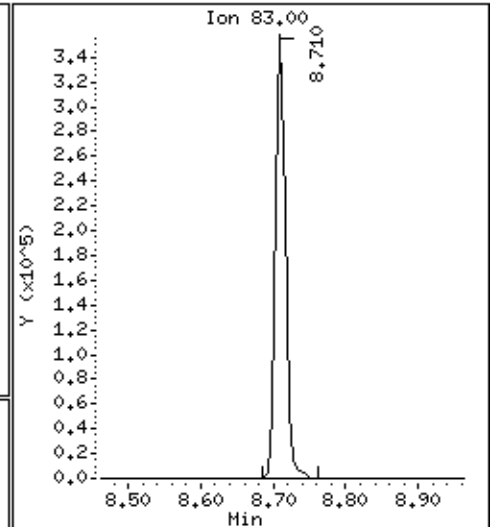
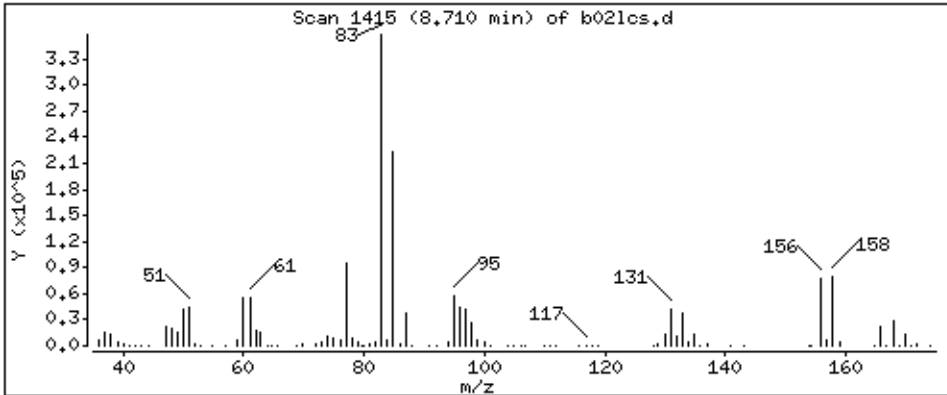
Operator: rsw

Column phase: DB-624

Column diameter: 0,18

76 1,1,2,2-Tetrachloroethane

Concentration: 55,3 ppb



Date : 01-JUL-2014 12:28

Client ID: 1121307

Instrument: 50mv4b.i

Sample Info: 1121307,71262;5

Purge Volume: 5.0

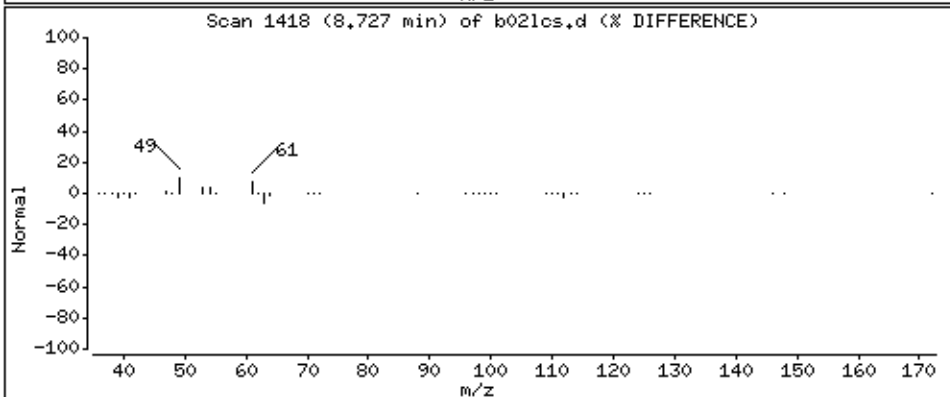
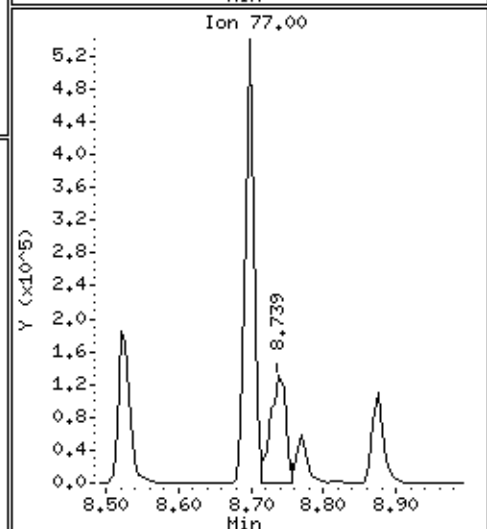
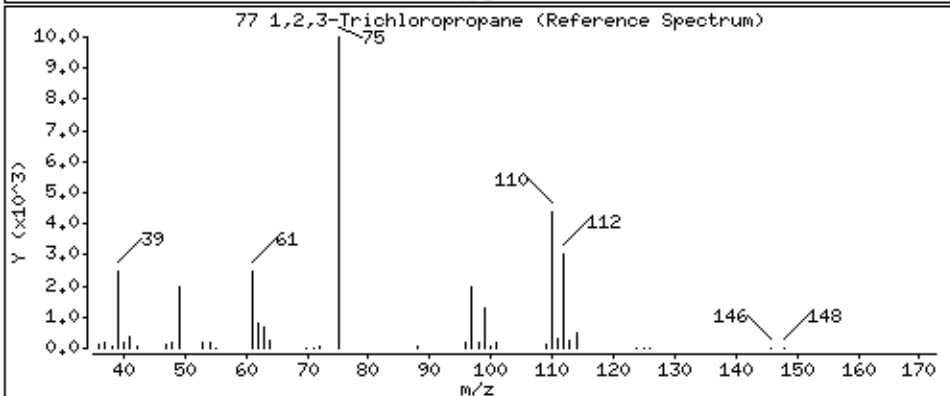
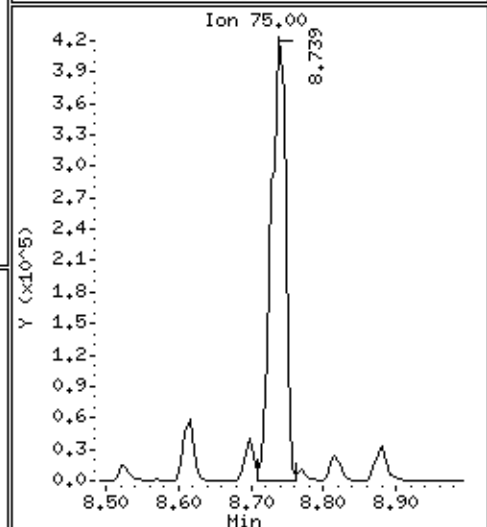
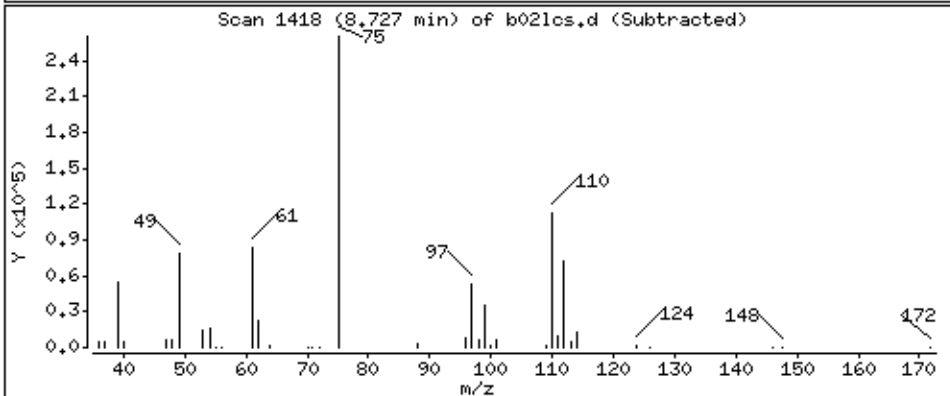
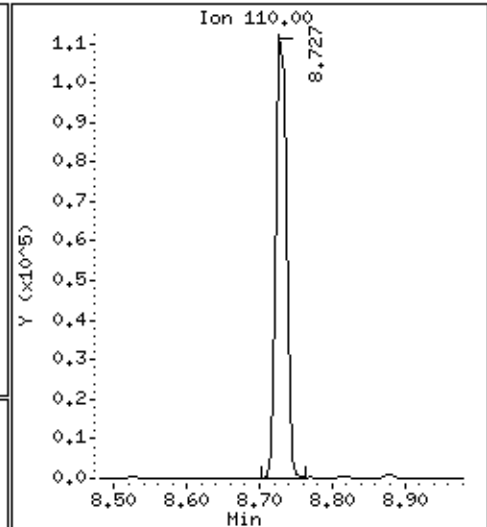
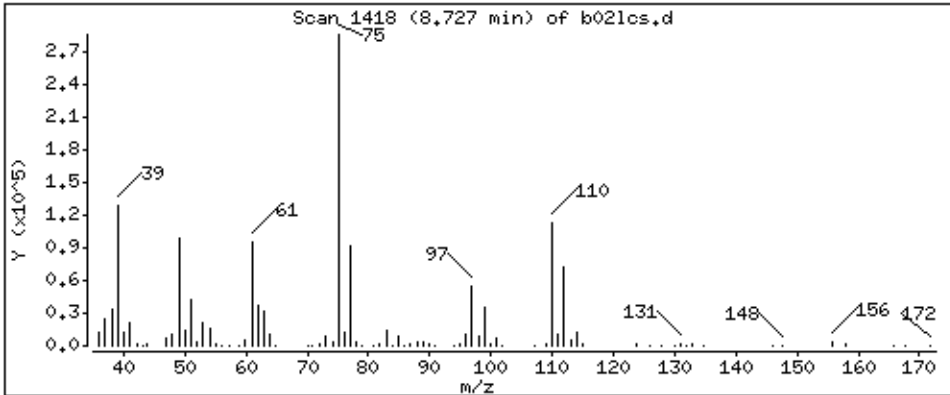
Operator: rsw

Column phase: DB-624

Column diameter: 0,18

77 1,2,3-Trichloropropane

Concentration: 54,8 ppb



Date : 01-JUL-2014 12:28

Client ID: 1121307

Instrument: 50mv4b.i

Sample Info: 1121307,71262;5

Purge Volume: 5.0

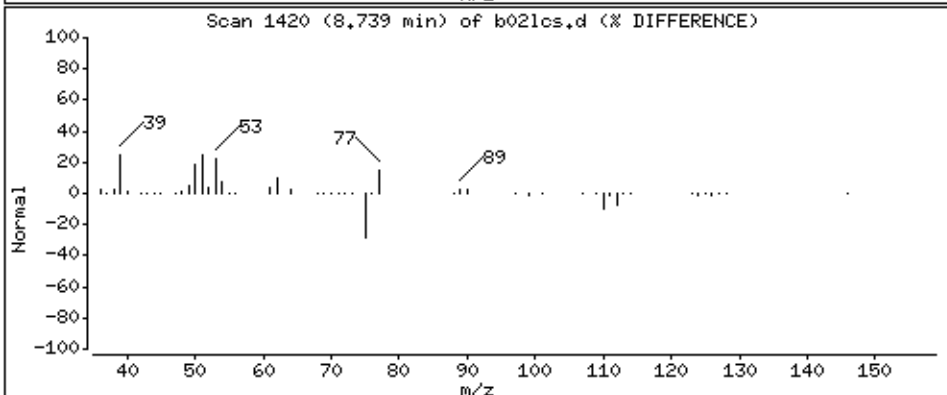
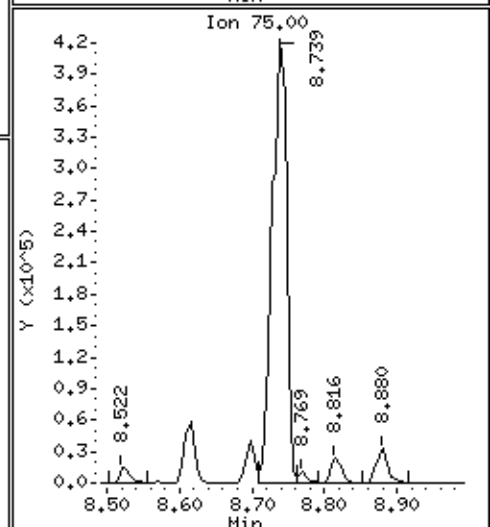
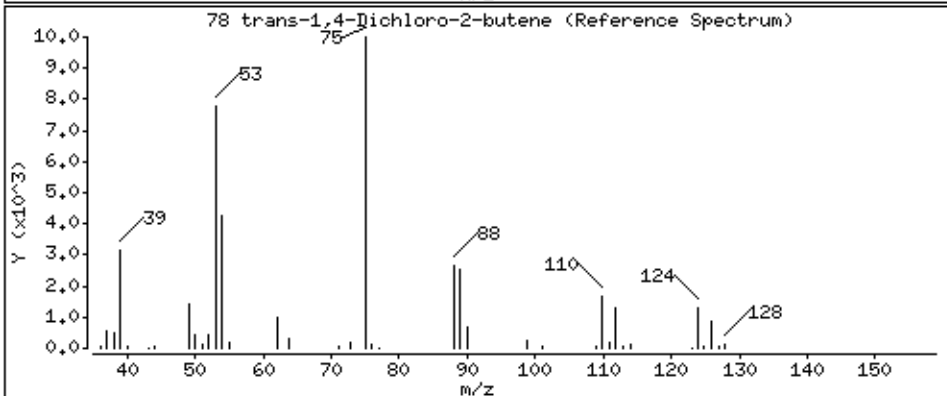
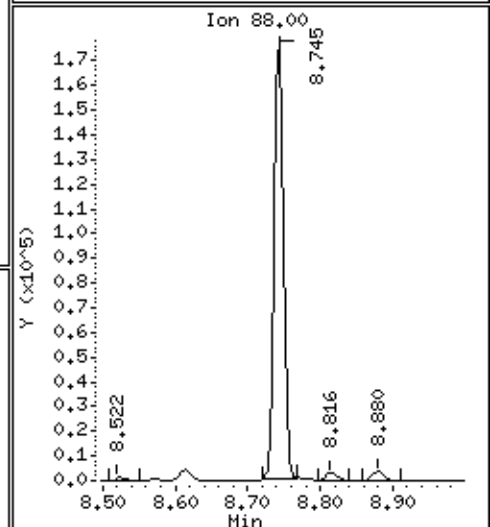
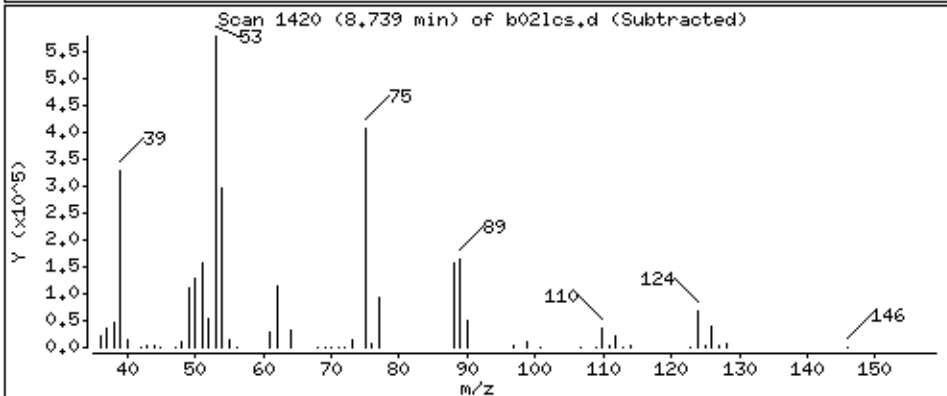
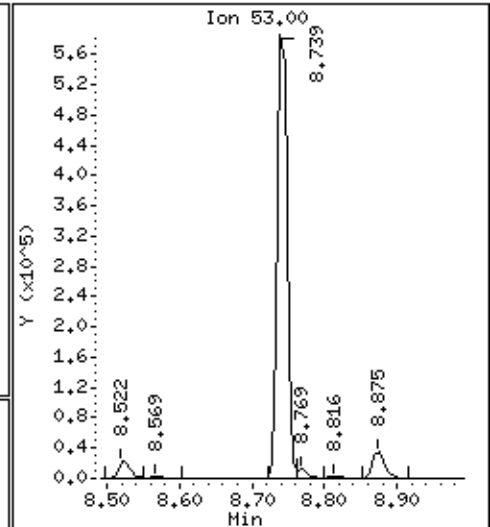
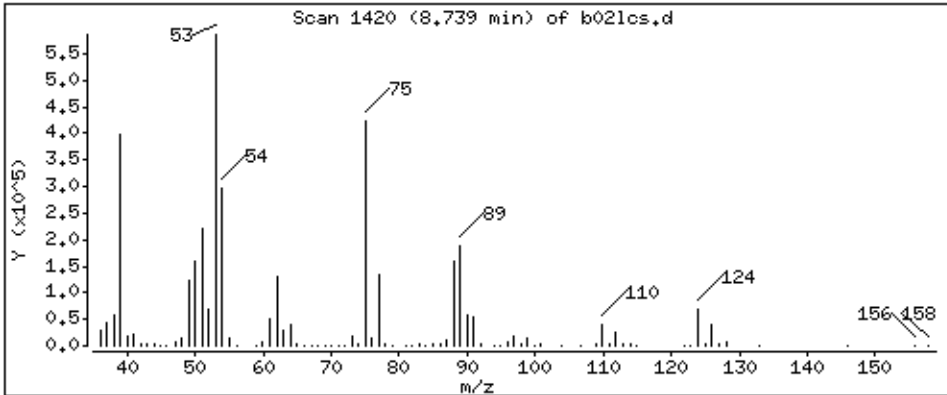
Operator: rsw

Column phase: DB-624

Column diameter: 0,18

78 trans-1,4-Dichloro-2-butene

Concentration: 234 ppb



Date : 01-JUL-2014 12:28

Client ID: 1121307

Instrument: 50mv4b.i

Sample Info: 1121307,71262;5

Purge Volume: 5.0

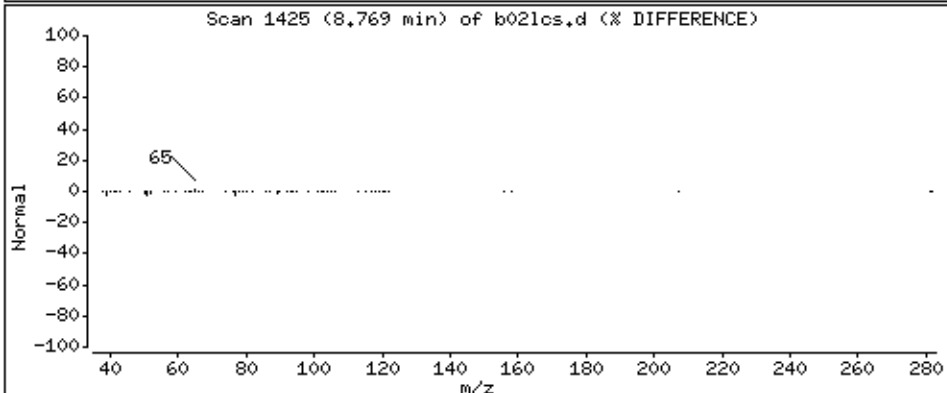
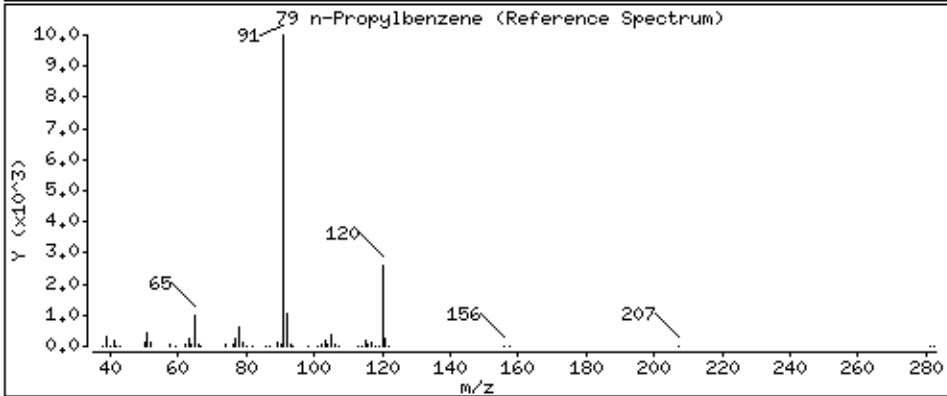
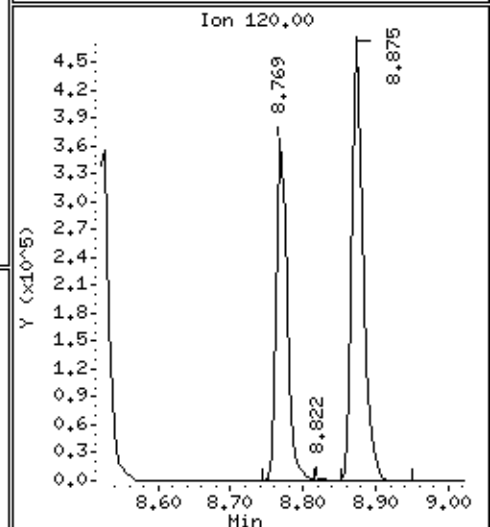
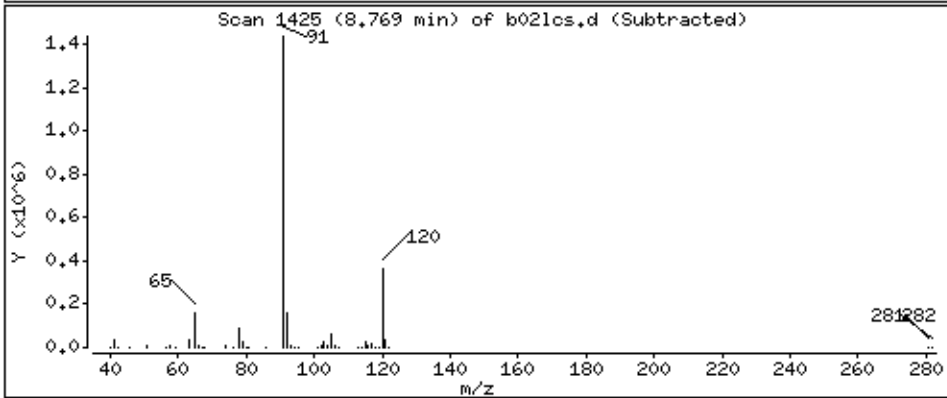
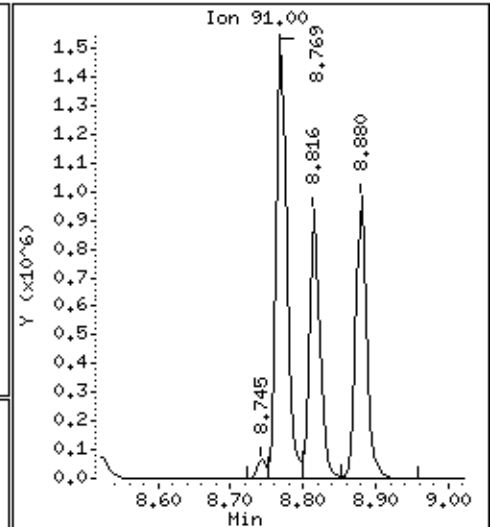
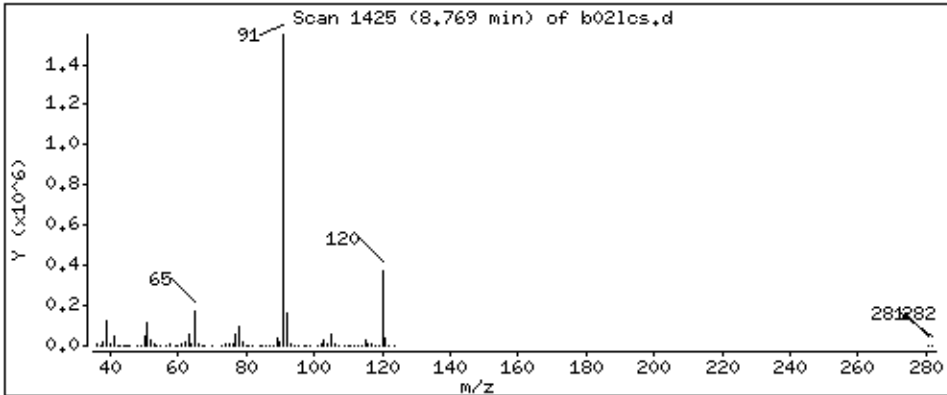
Operator: rsw

Column phase: DB-624

Column diameter: 0,18

79 n-Propylbenzene

Concentration: 58,8 ppb



Date : 01-JUL-2014 12:28

Client ID: 1121307

Instrument: 50mv4b.i

Sample Info: 1121307,71262;5

Purge Volume: 5.0

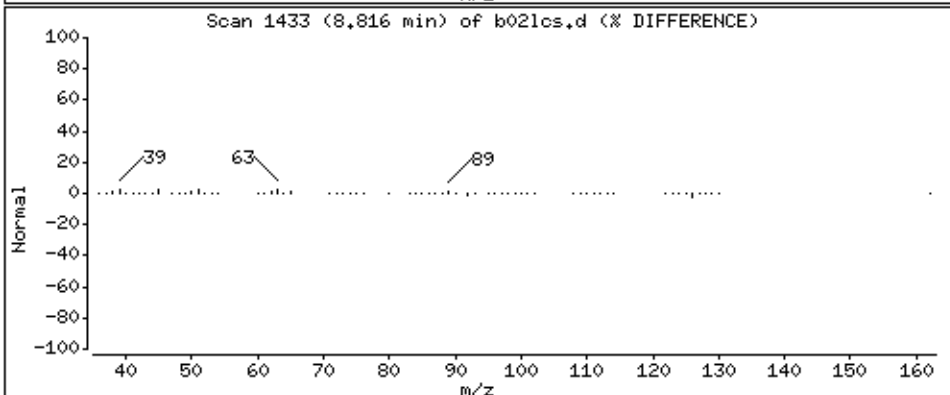
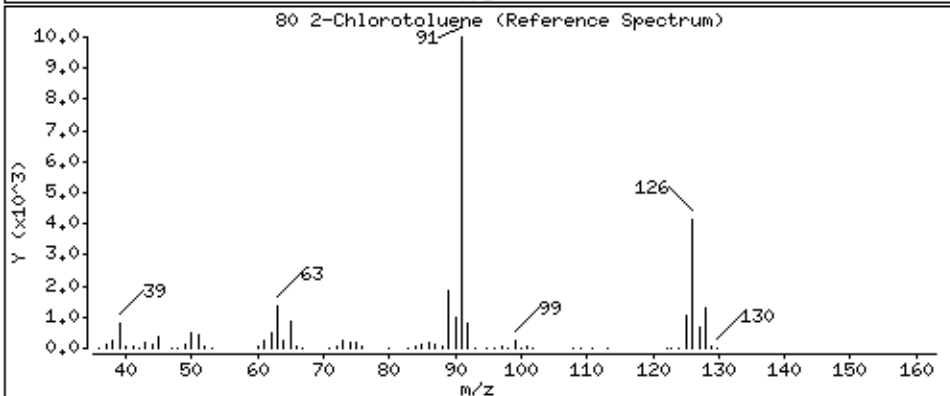
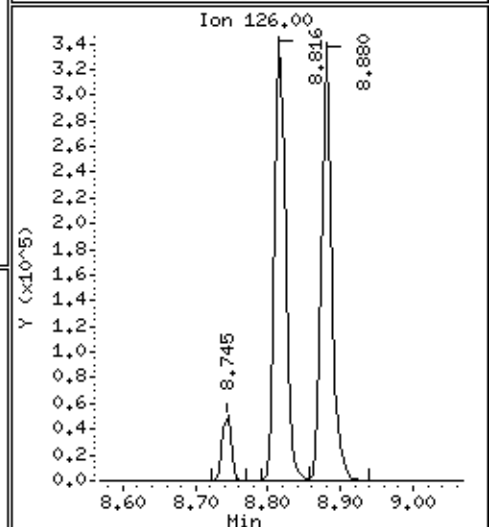
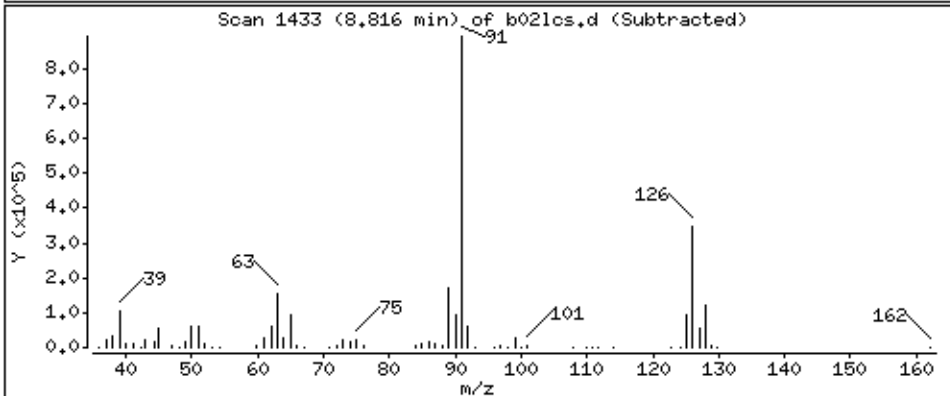
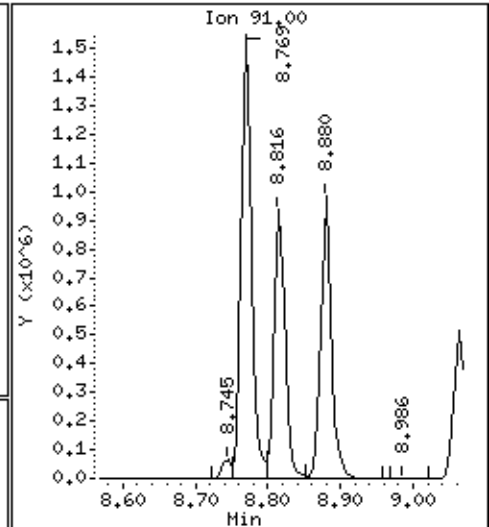
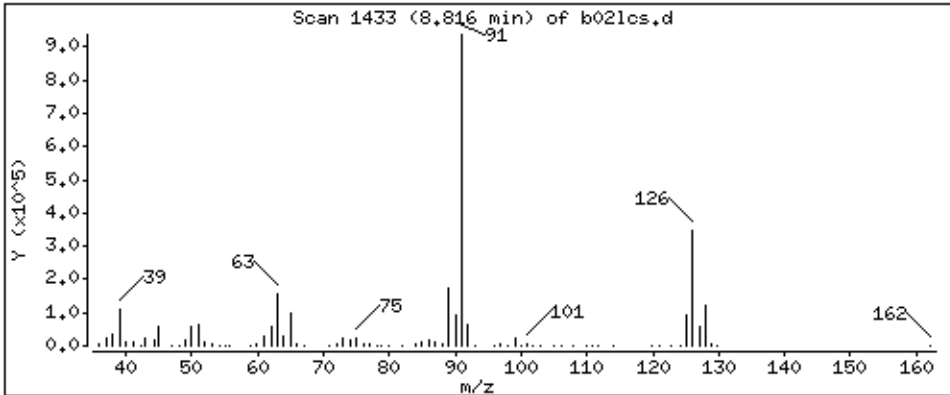
Operator: rsw

Column phase: DB-624

Column diameter: 0,18

80 2-Chlorotoluene

Concentration: 49,6 ppb



Date : 01-JUL-2014 12:28

Client ID: 1121307

Instrument: 50mv4b.i

Sample Info: 1121307,71262;5

Purge Volume: 5.0

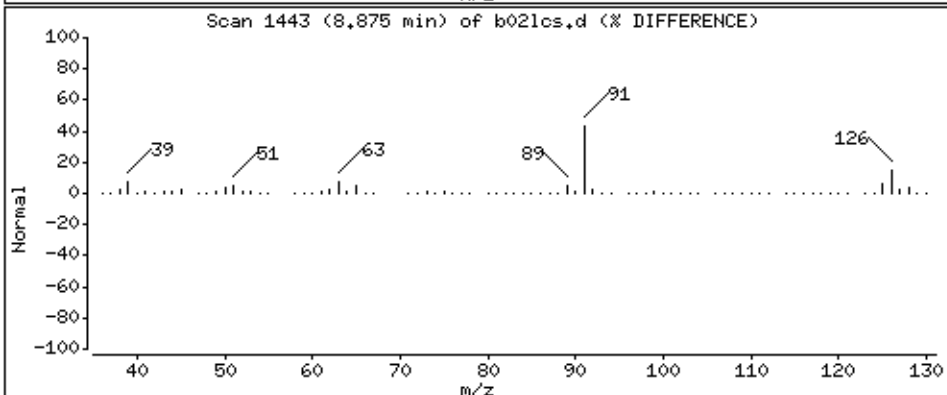
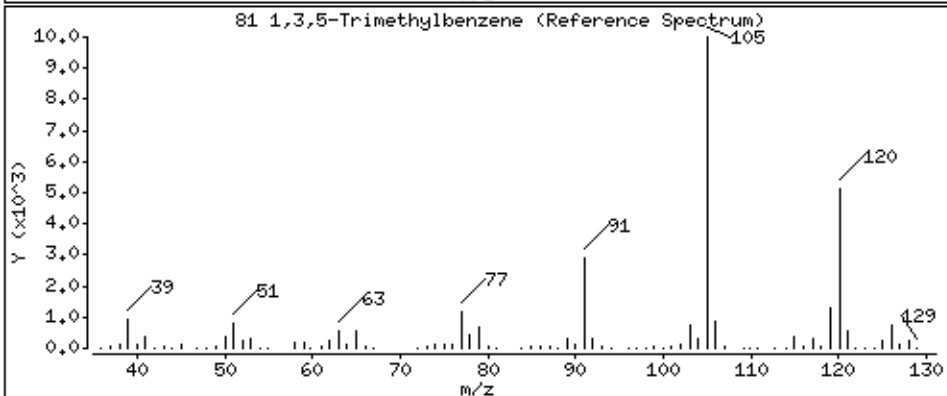
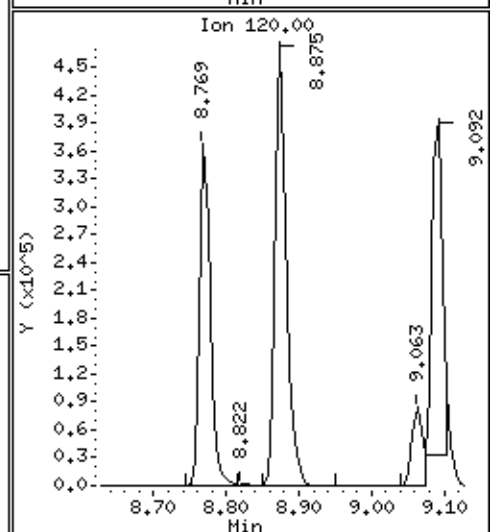
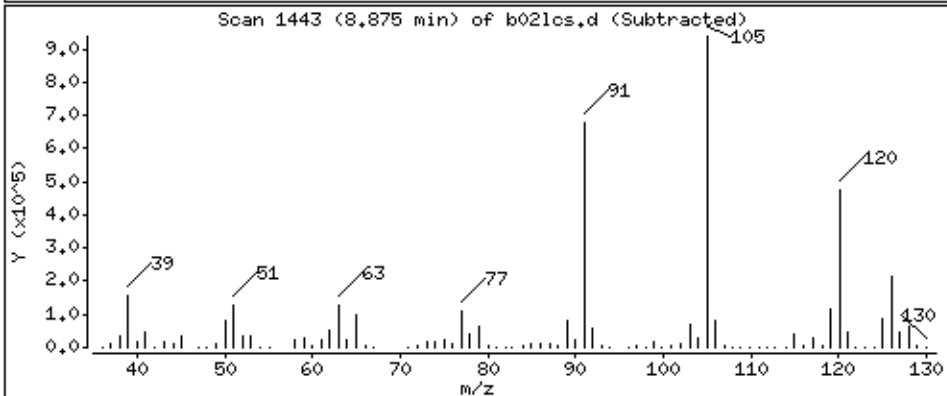
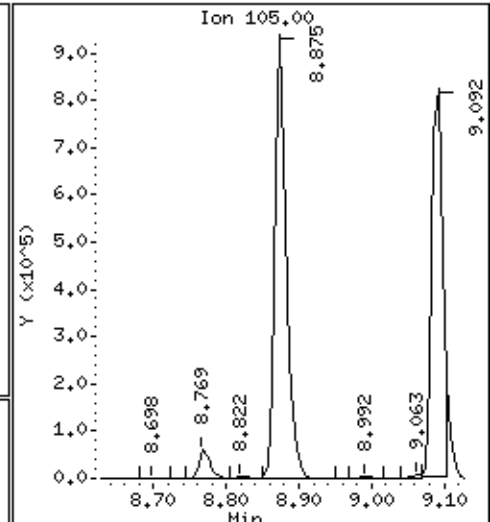
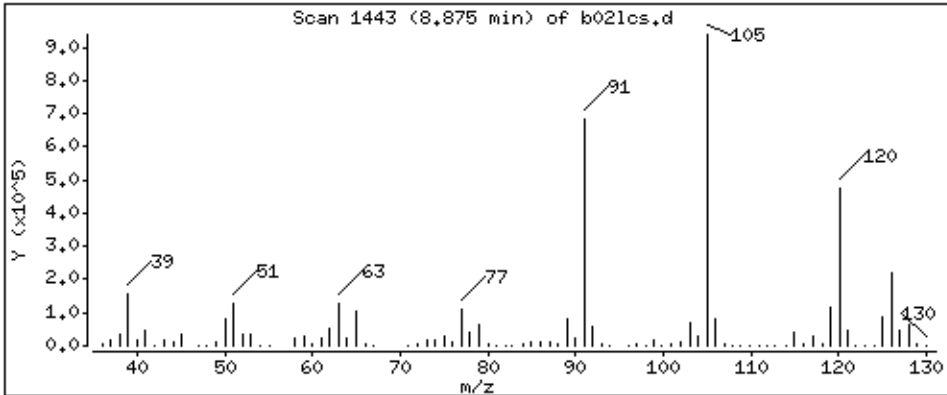
Operator: rsw

Column phase: DB-624

Column diameter: 0,18

81 1,3,5-Trimethylbenzene

Concentration: 57,8 ppb



Date : 01-JUL-2014 12:28

Client ID: 1121307

Instrument: 50mv4b.i

Sample Info: 1121307,71262;5

Purge Volume: 5.0

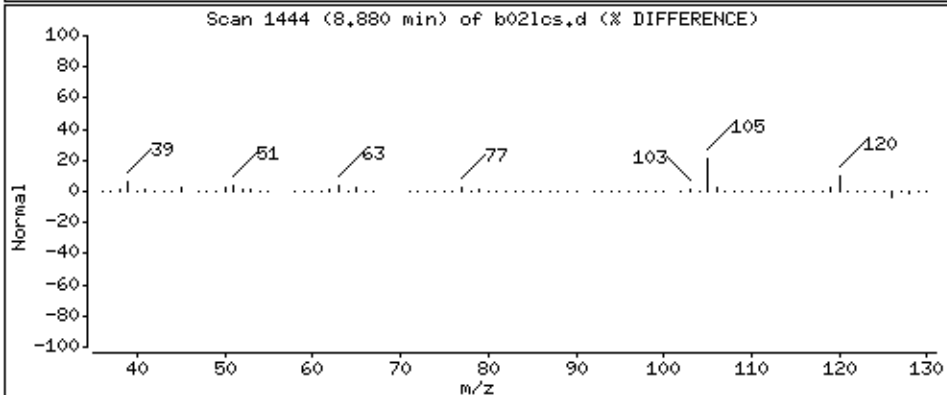
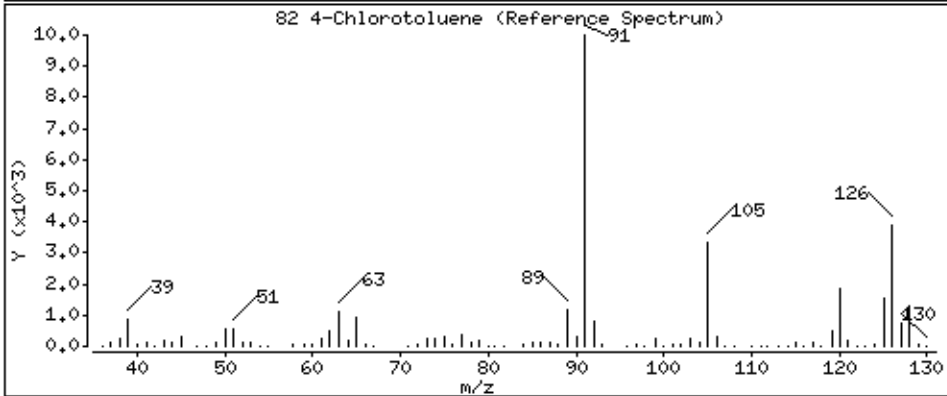
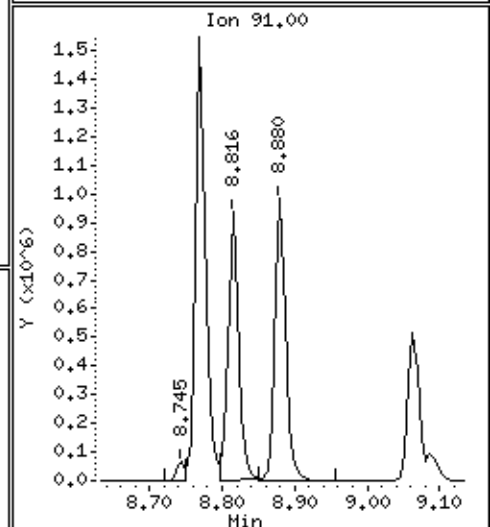
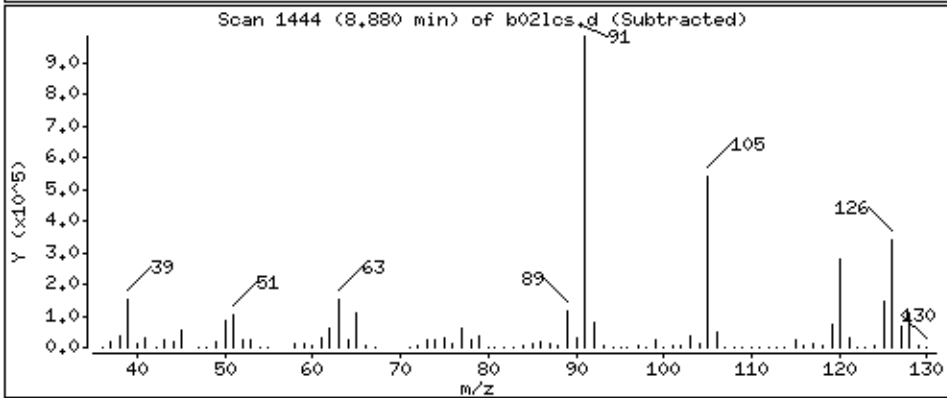
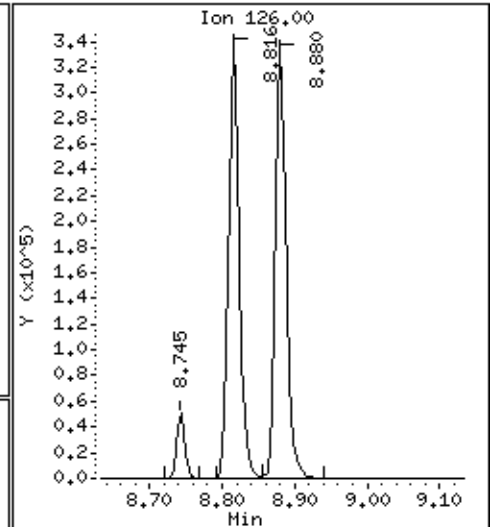
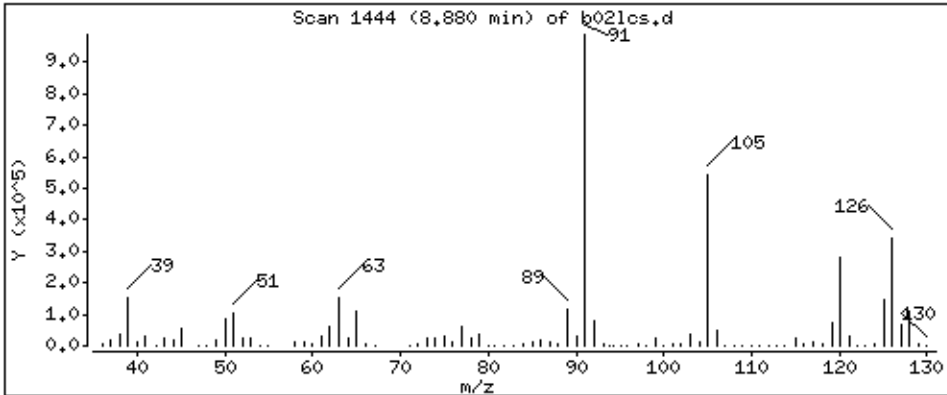
Operator: rsw

Column phase: DB-624

Column diameter: 0,18

82 4-Chlorotoluene

Concentration: 53,5 ppb



Date : 01-JUL-2014 12:28

Client ID: 1121307

Instrument: 50mv4b.i

Sample Info: 1121307,71262;5

Purge Volume: 5.0

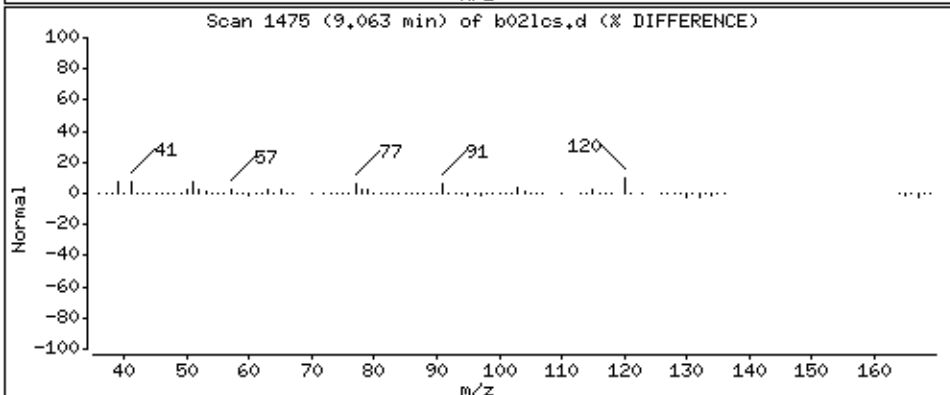
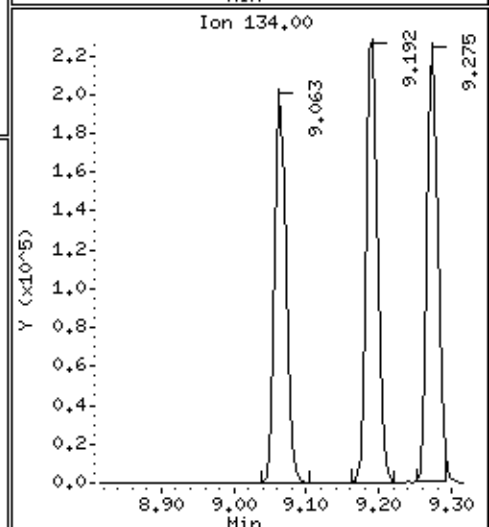
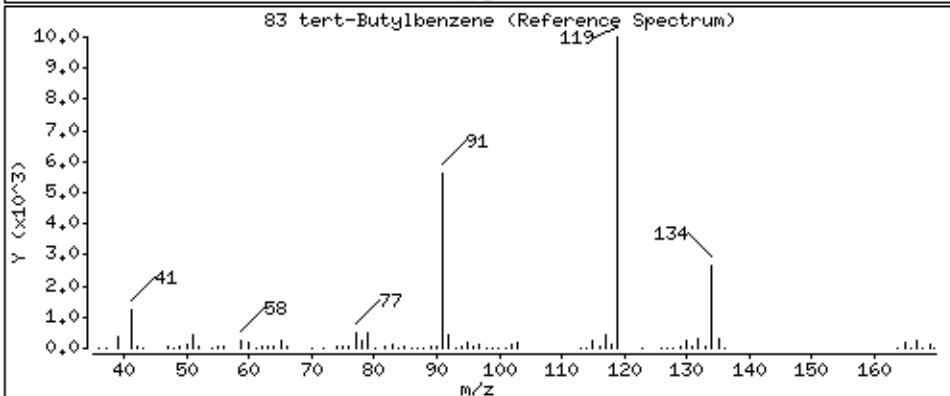
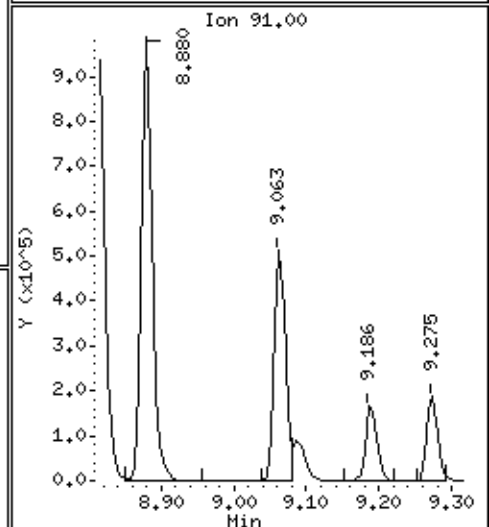
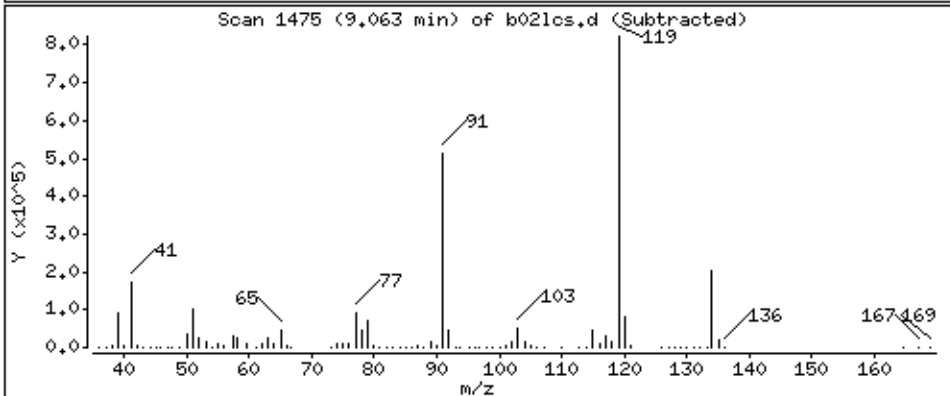
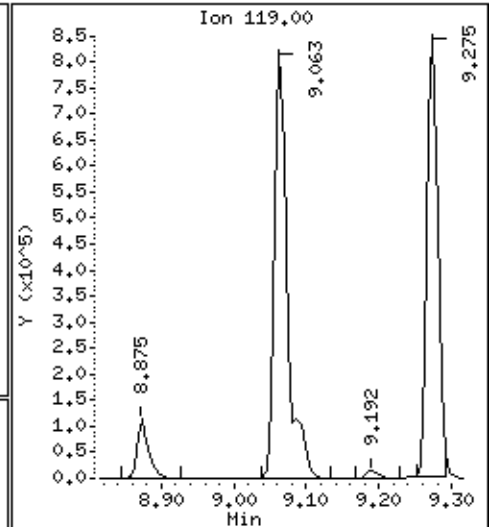
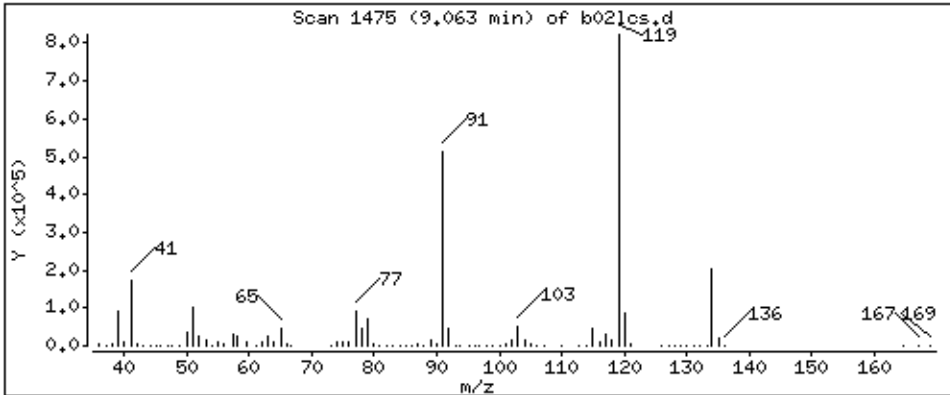
Operator: rsw

Column phase: DB-624

Column diameter: 0,18

83 tert-Butylbenzene

Concentration: 52.1 ppb



Date : 01-JUL-2014 12:28

Client ID: 1121307

Instrument: 50mv4b.i

Sample Info: 1121307,71262;5

Purge Volume: 5.0

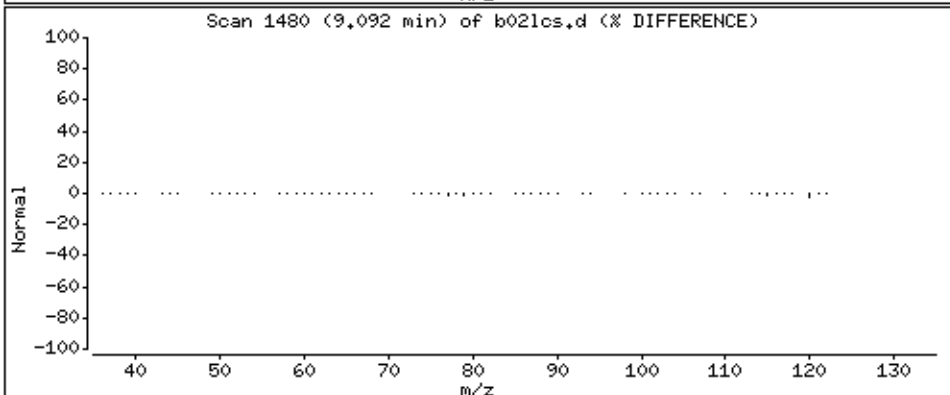
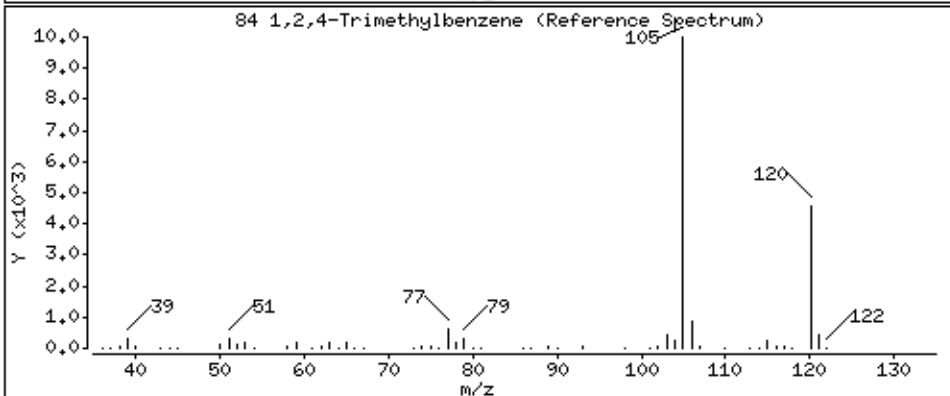
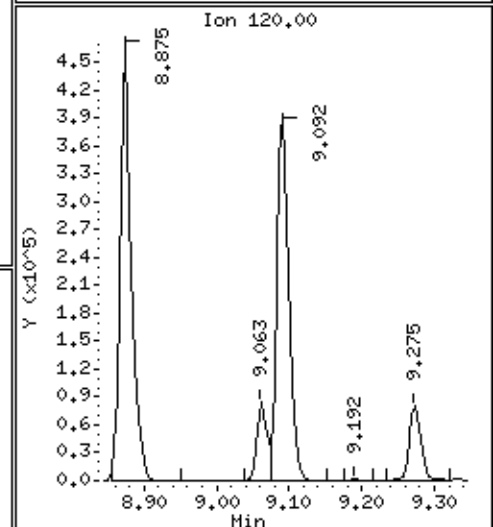
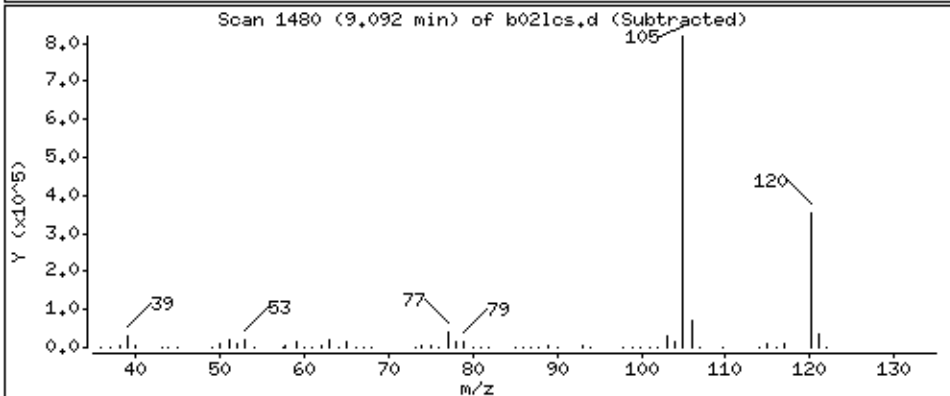
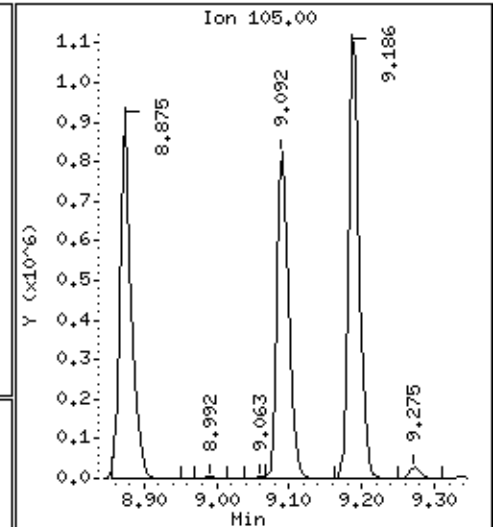
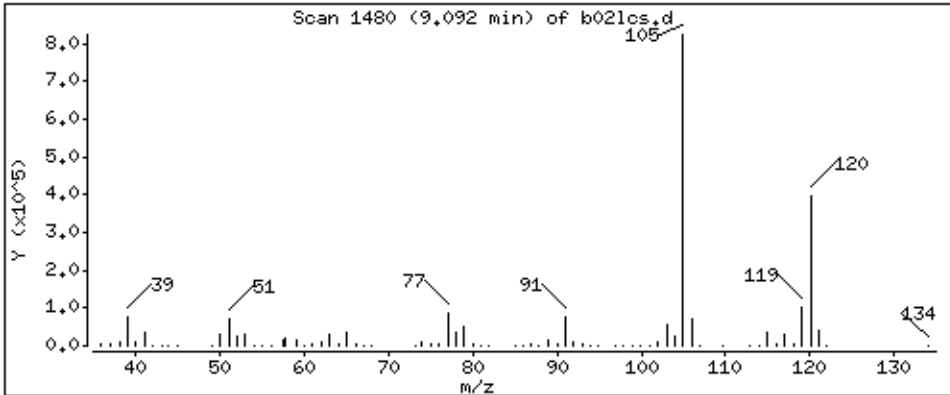
Operator: rsw

Column phase: DB-624

Column diameter: 0,18

84 1,2,4-Trimethylbenzene

Concentration: 60,6 ppb



Date : 01-JUL-2014 12:28

Client ID: 1121307

Instrument: 50mv4b.i

Sample Info: 1121307,71262;5

Purge Volume: 5.0

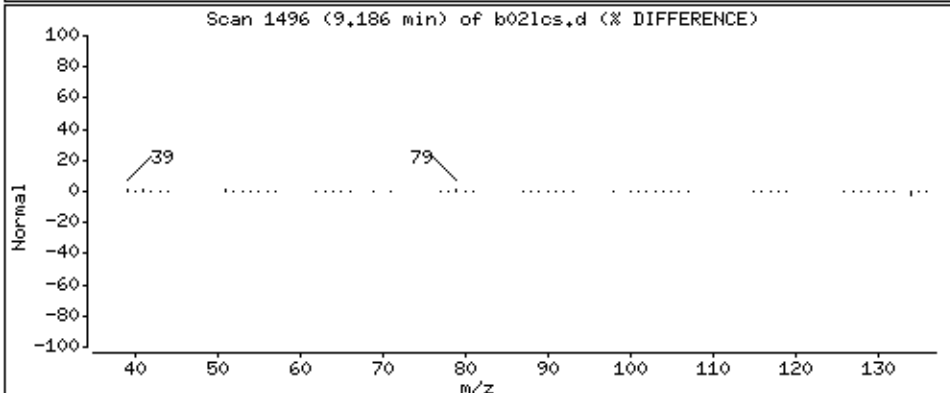
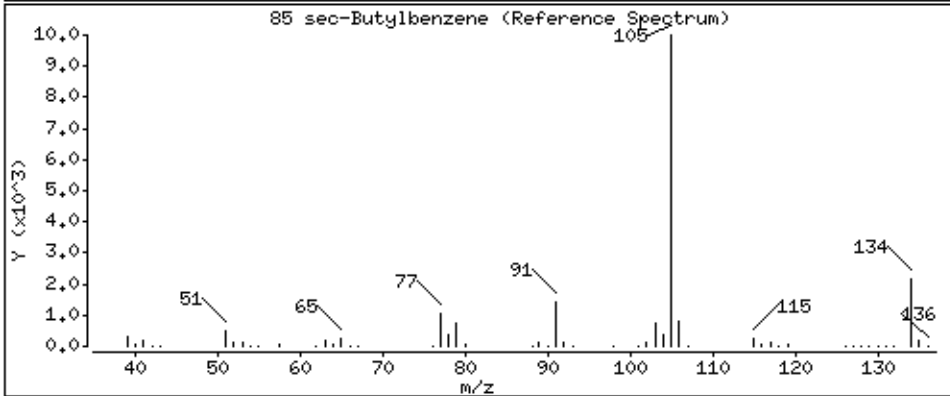
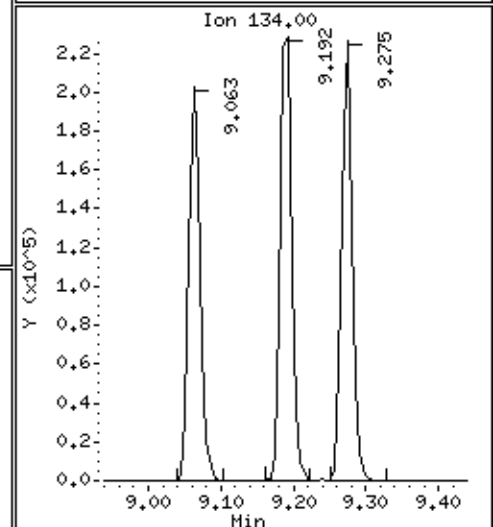
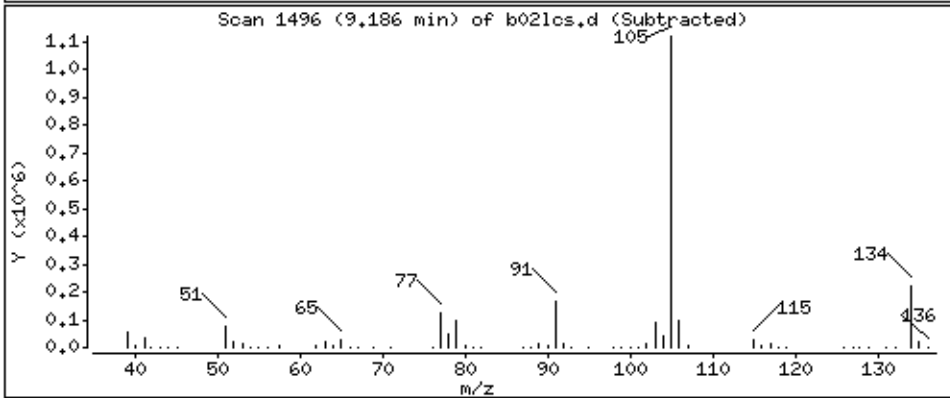
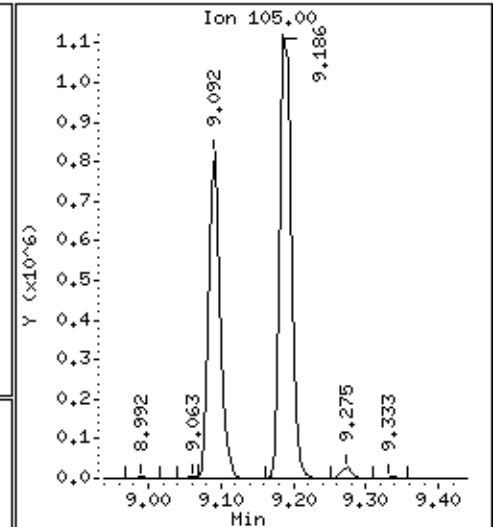
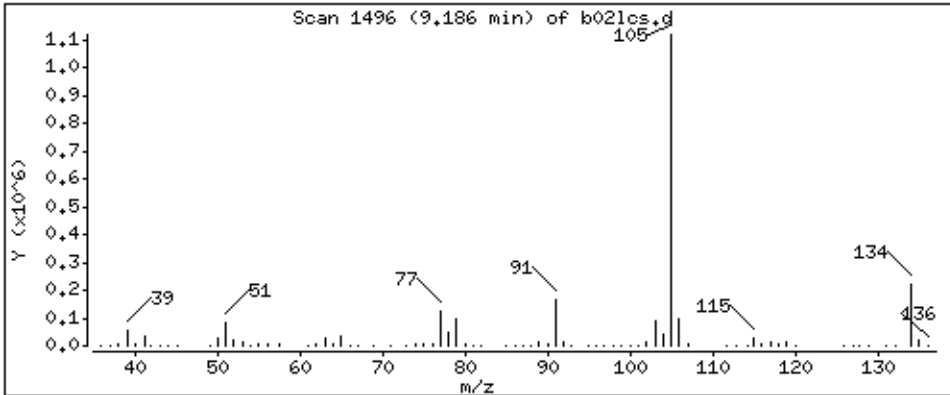
Operator: rsw

Column phase: DB-624

Column diameter: 0,18

85 sec-Butylbenzene

Concentration: 61.2 ppb



Date : 01-JUL-2014 12:28

Client ID: 1121307

Instrument: 50mv4b.i

Sample Info: 1121307,71262;5

Purge Volume: 5.0

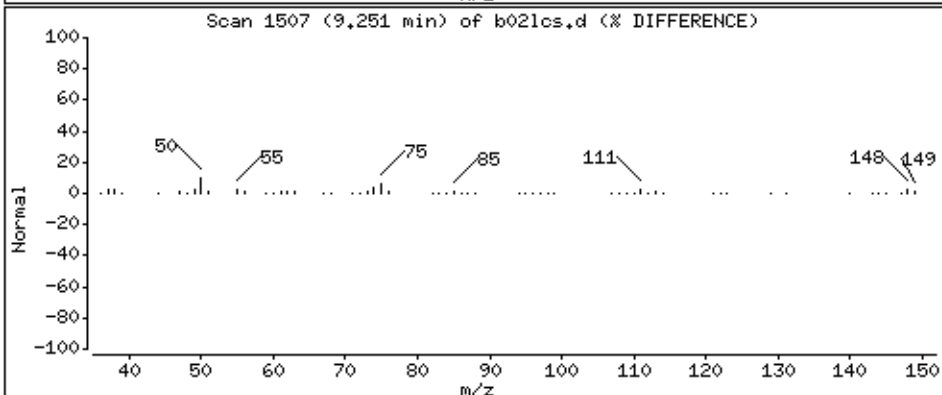
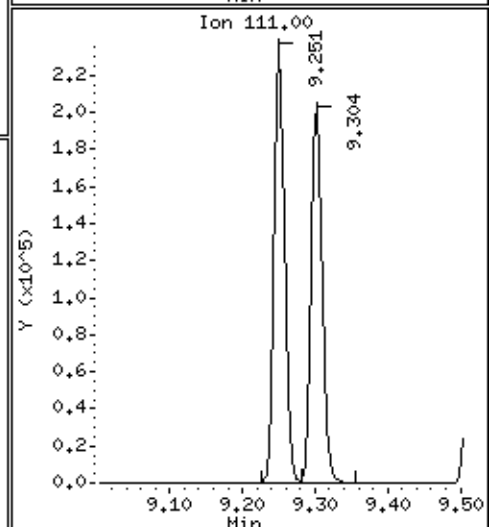
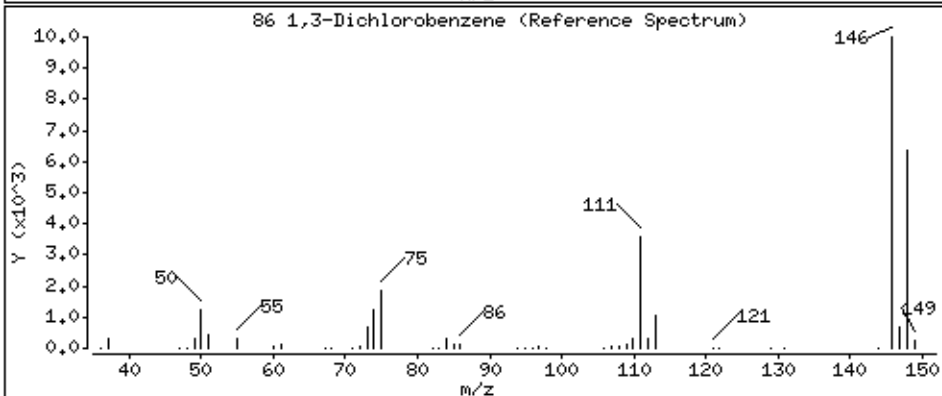
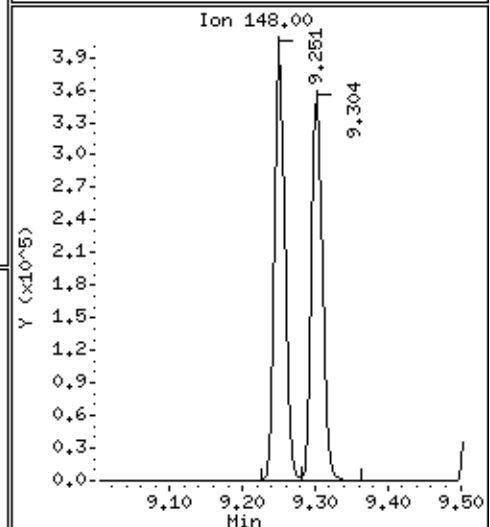
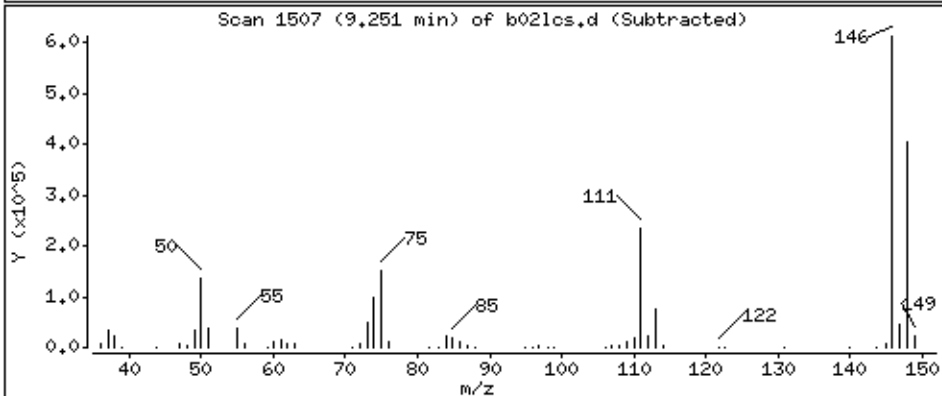
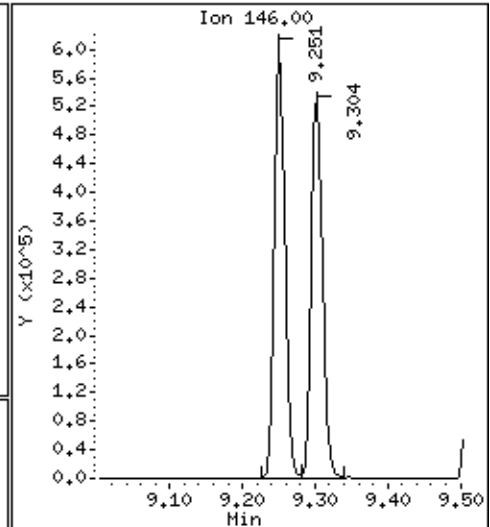
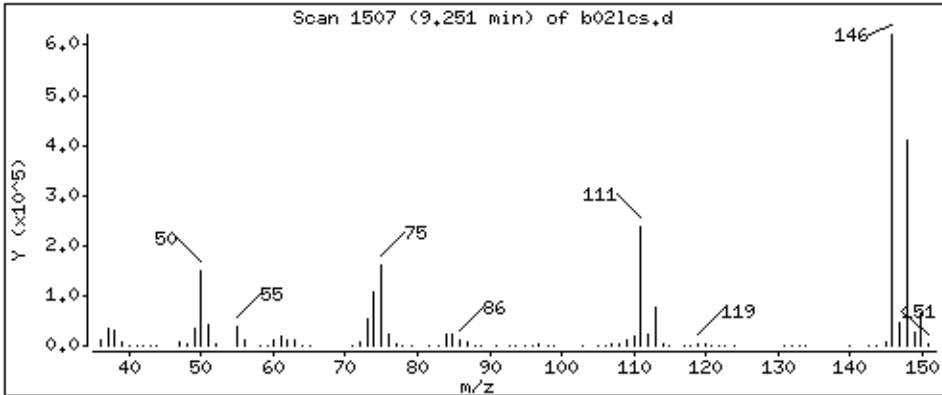
Operator: rsw

Column phase: DB-624

Column diameter: 0,18

86 1,3-Dichlorobenzene

Concentration: 50,8 ppb



Date : 01-JUL-2014 12:28

Client ID: 1121307

Instrument: 50mv4b.i

Sample Info: 1121307,71262;5

Purge Volume: 5.0

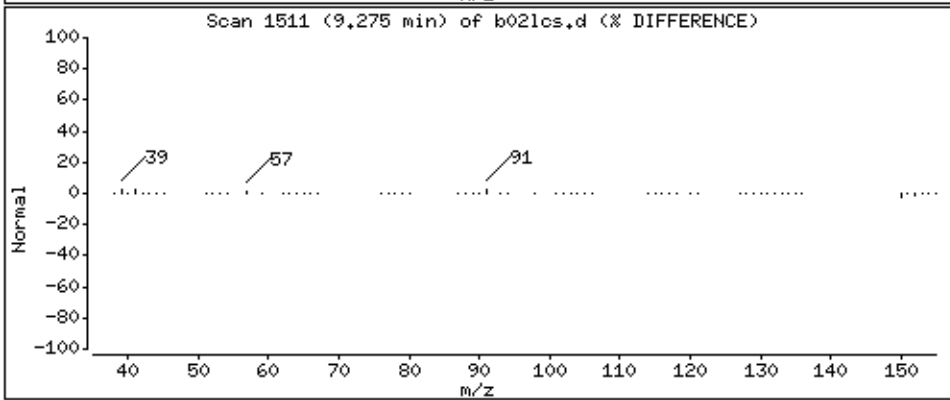
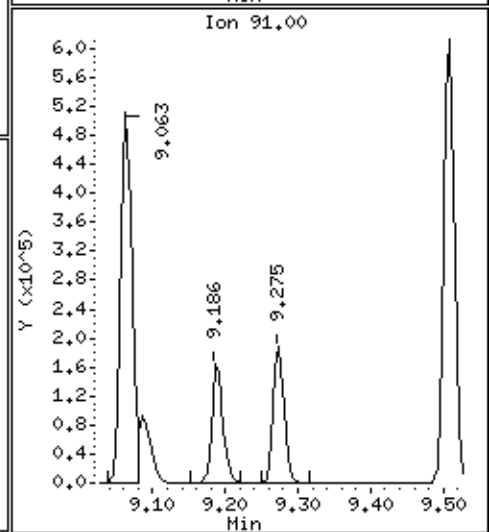
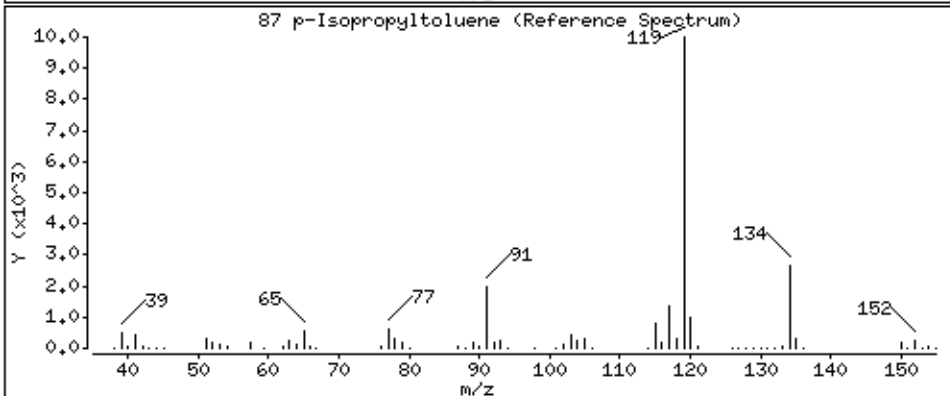
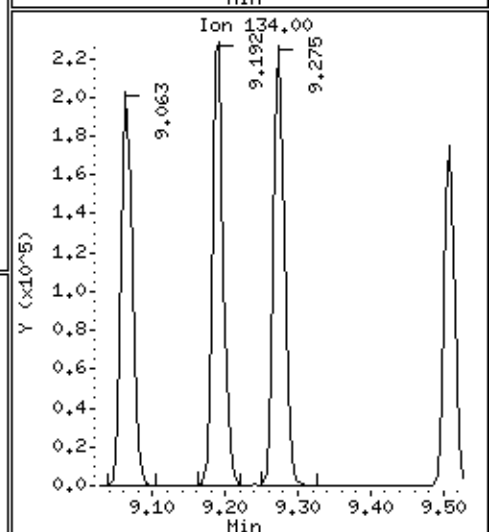
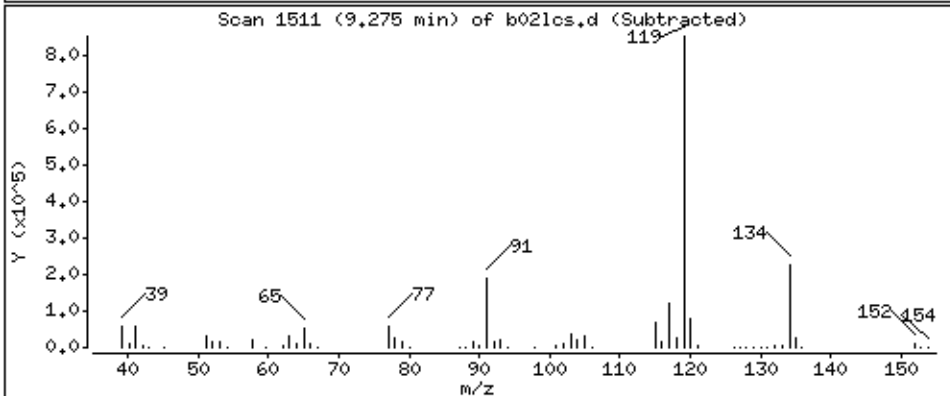
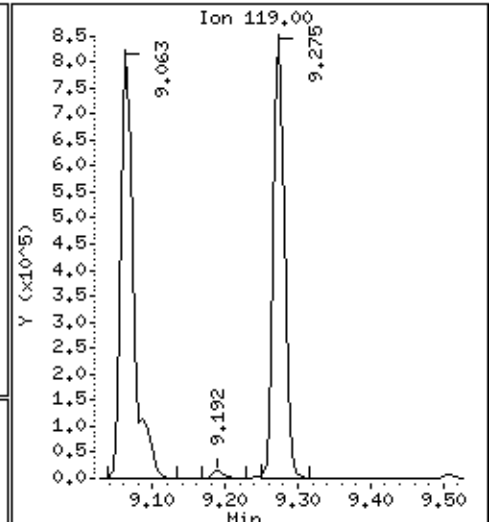
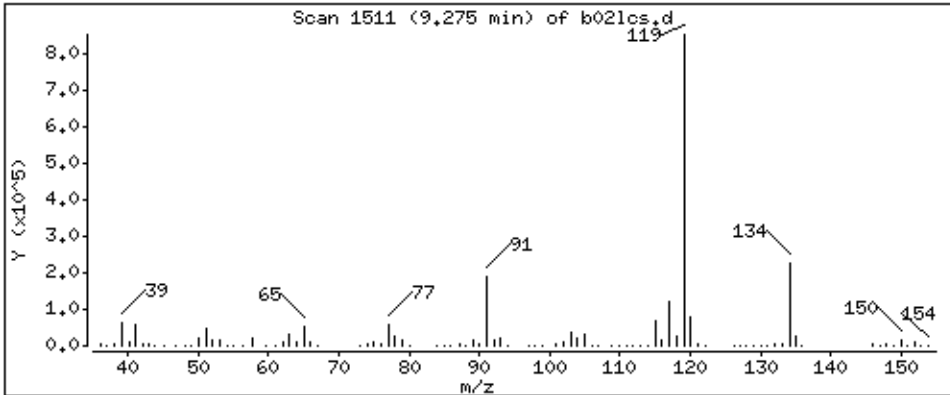
Operator: rsw

Column phase: DB-624

Column diameter: 0,18

87 p-Isopropyltoluene

Concentration: 46,4 ppb



Date : 01-JUL-2014 12:28

Client ID: 1121307

Instrument: 50mv4b.i

Sample Info: 1121307,71262;5

Purge Volume: 5.0

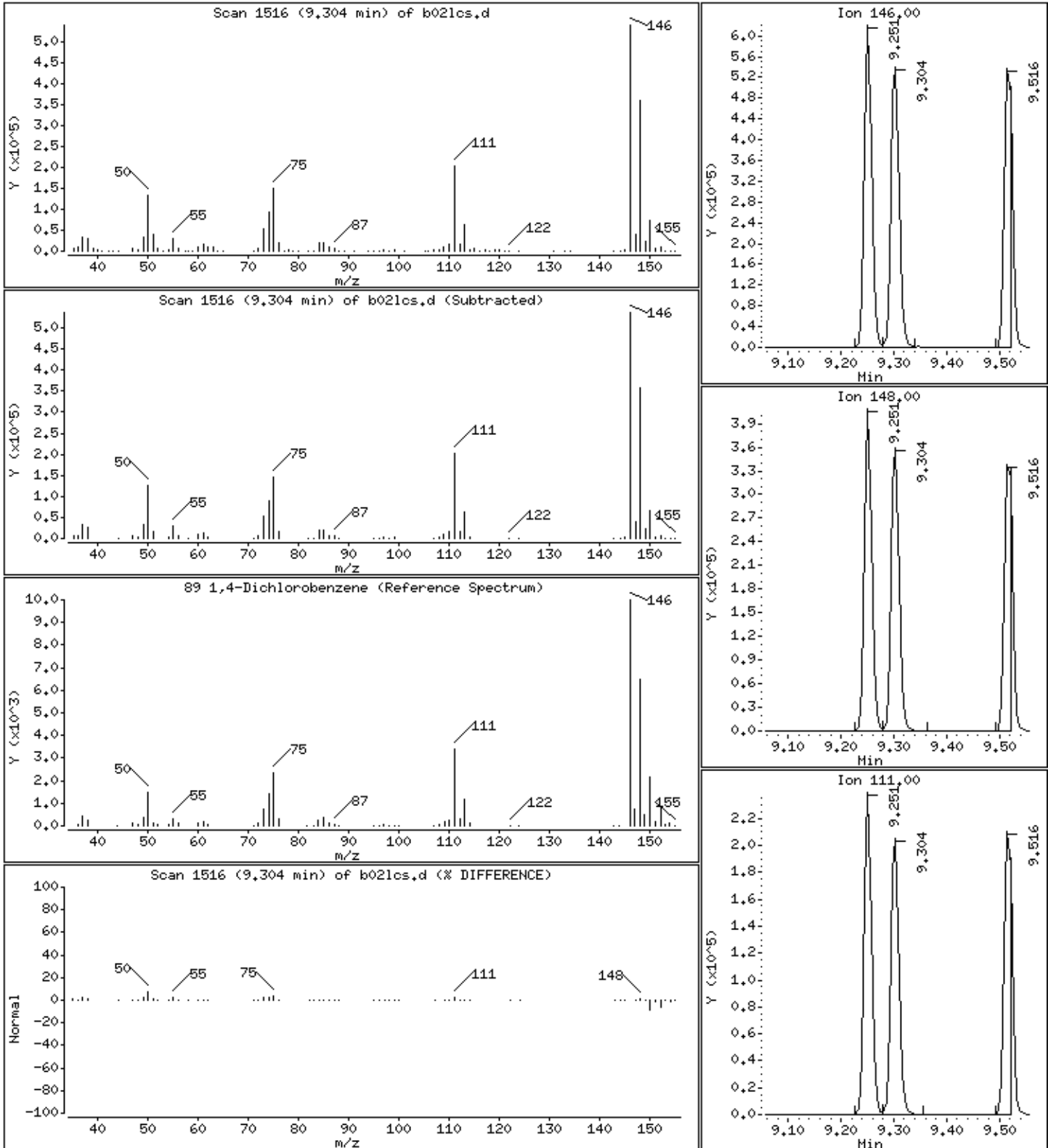
Operator: rsw

Column phase: DB-624

Column diameter: 0,18

89 1,4-Dichlorobenzene

Concentration: 50,6 ppb



Date : 01-JUL-2014 12:28

Client ID: 1121307

Instrument: 50mv4b.i

Sample Info: 1121307,71262;5

Purge Volume: 5.0

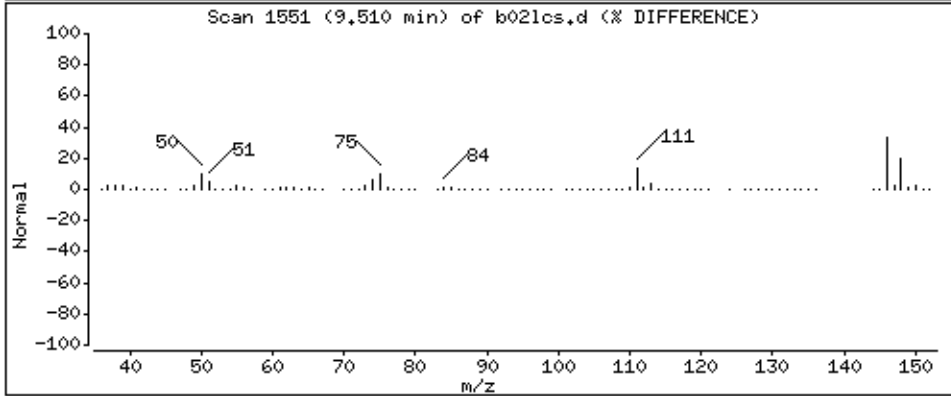
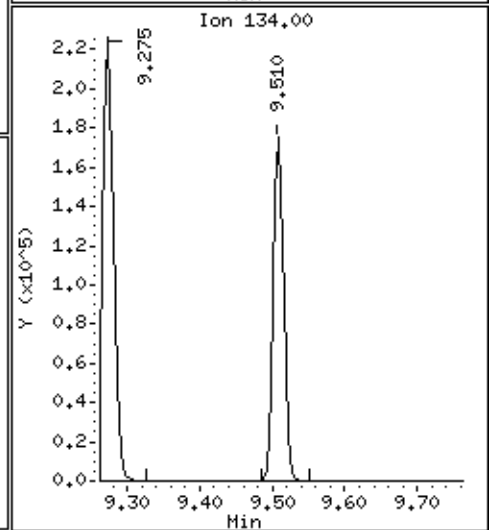
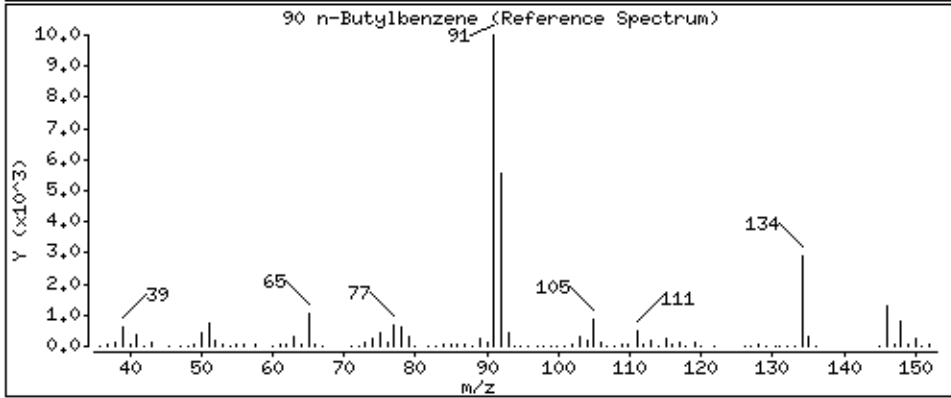
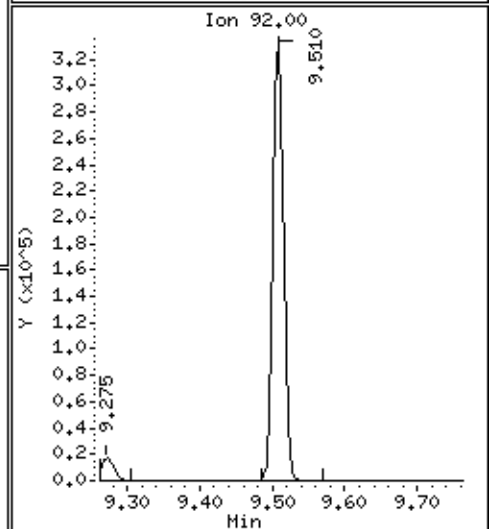
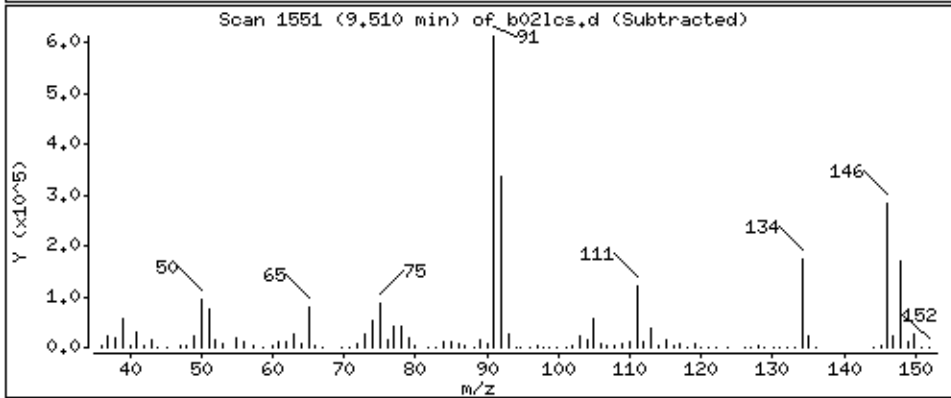
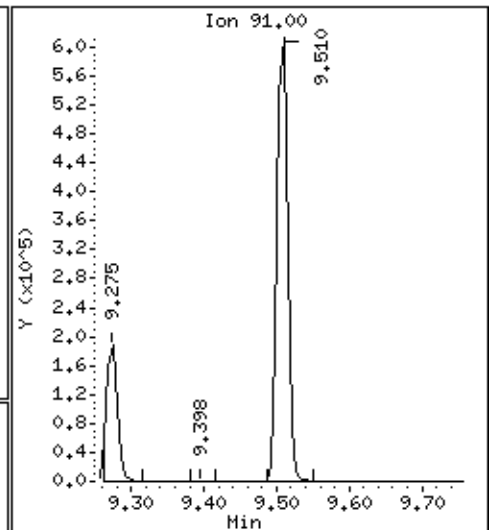
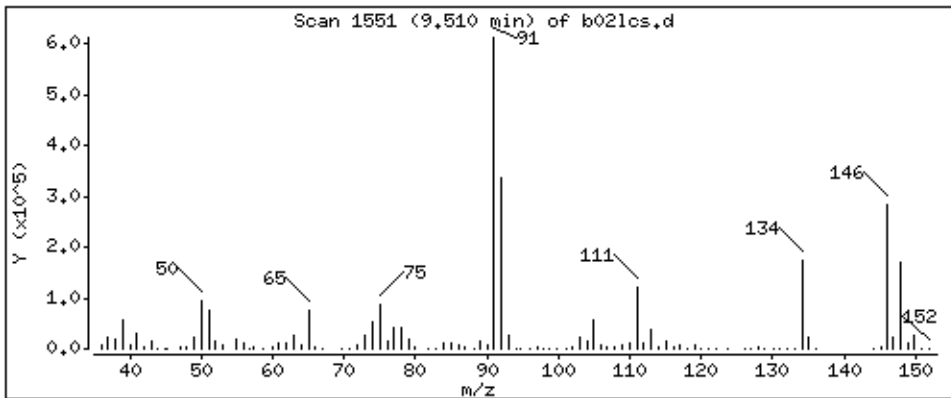
Operator: rsw

Column phase: DB-624

Column diameter: 0,18

90 n-Butylbenzene

Concentration: 44,9 ppb



Date : 01-JUL-2014 12:28

Client ID: 1121307

Instrument: 50mv4b.i

Sample Info: 1121307,71262;5

Purge Volume: 5.0

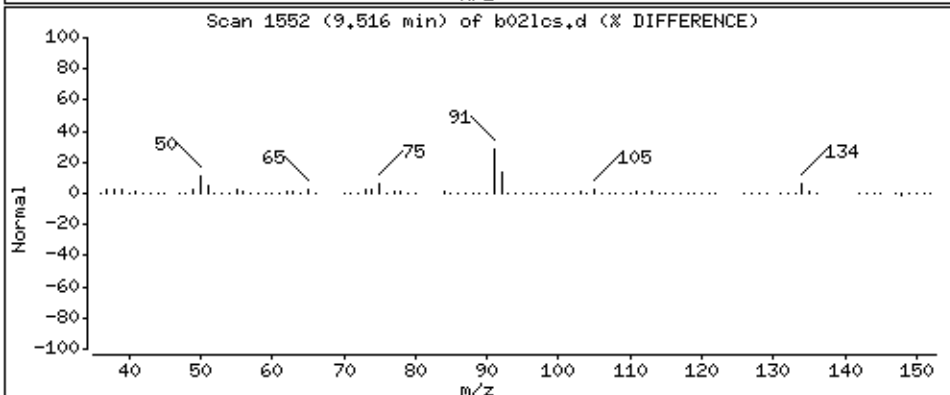
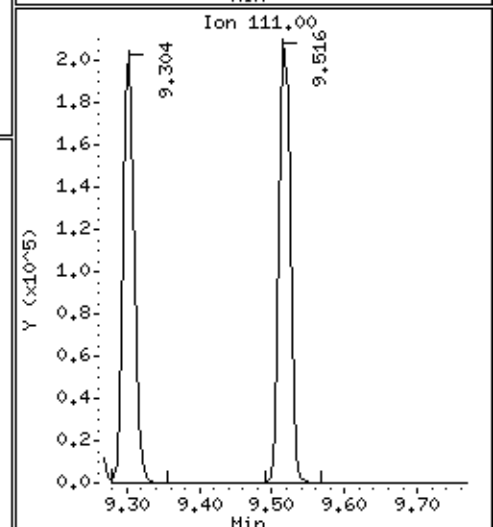
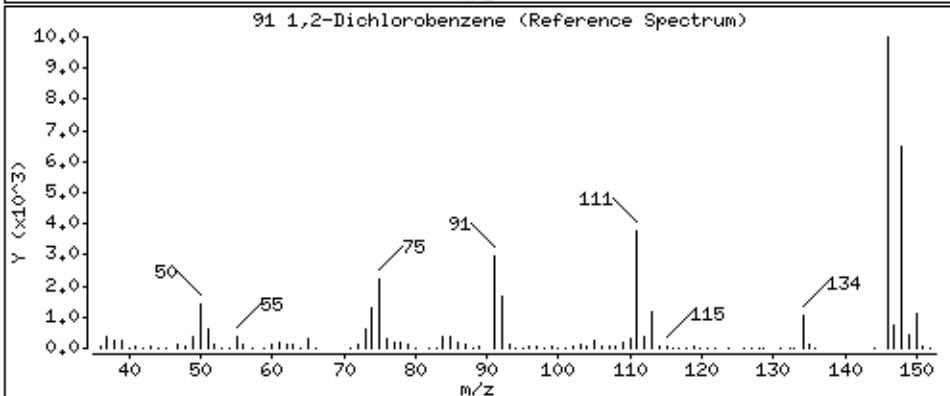
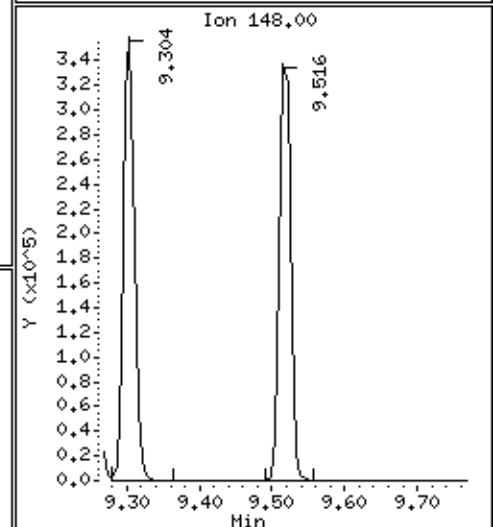
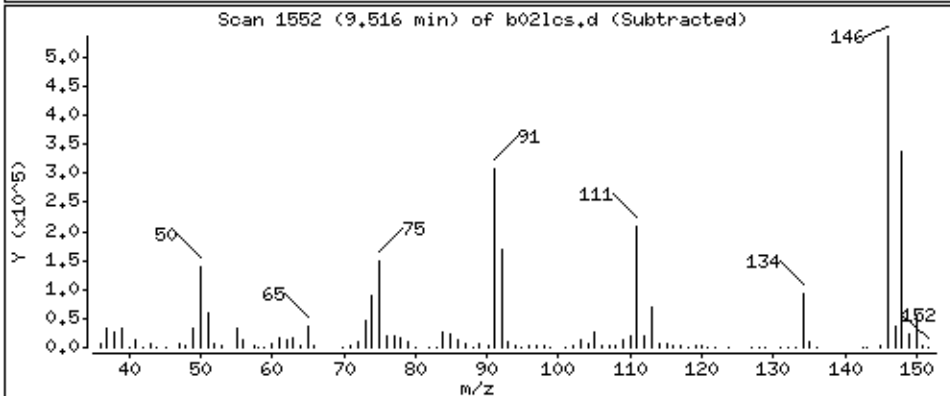
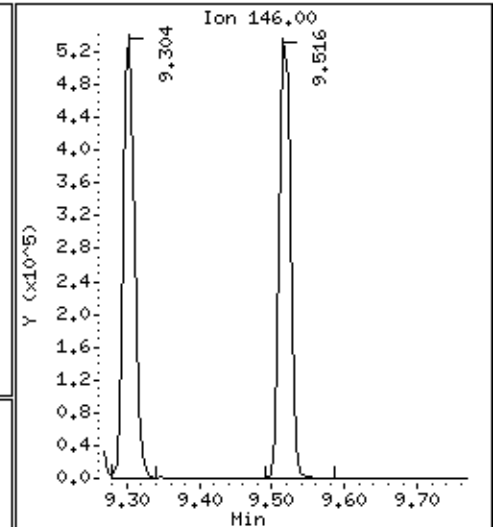
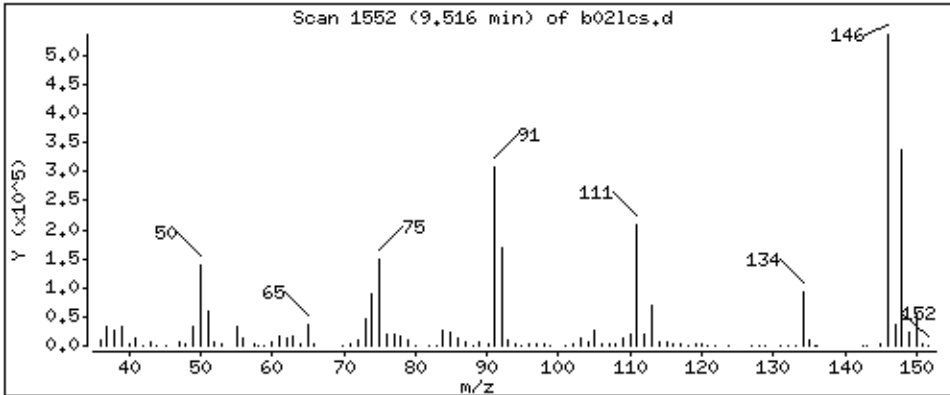
Operator: rsw

Column phase: DB-624

Column diameter: 0,18

91 1,2-Dichlorobenzene

Concentration: 52.8 ppb



Date : 01-JUL-2014 12:28

Client ID: 1121307

Instrument: 50mv4b.i

Sample Info: 1121307,71262;5

Purge Volume: 5.0

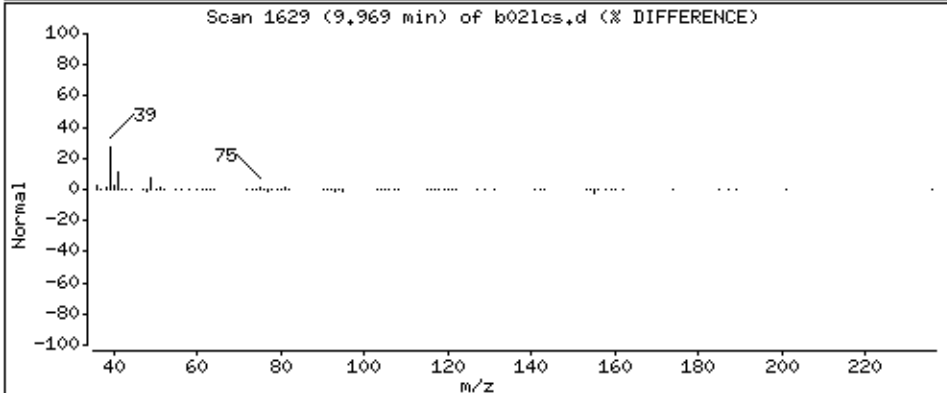
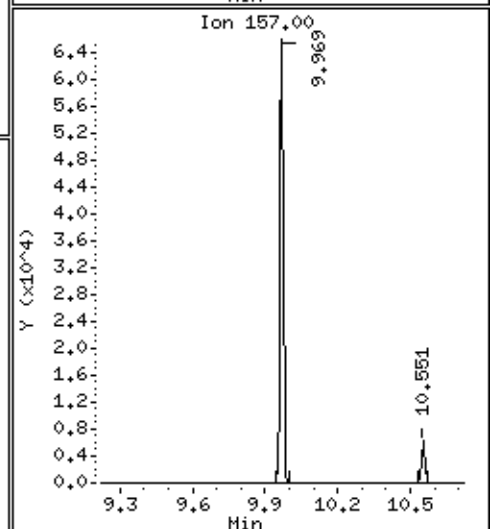
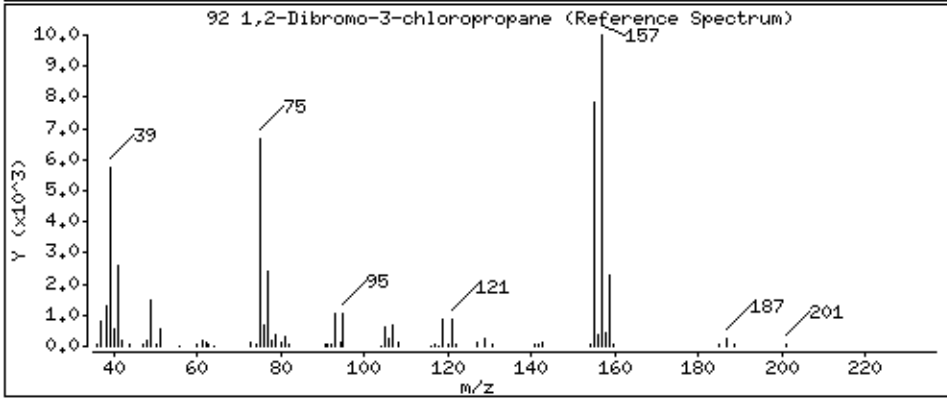
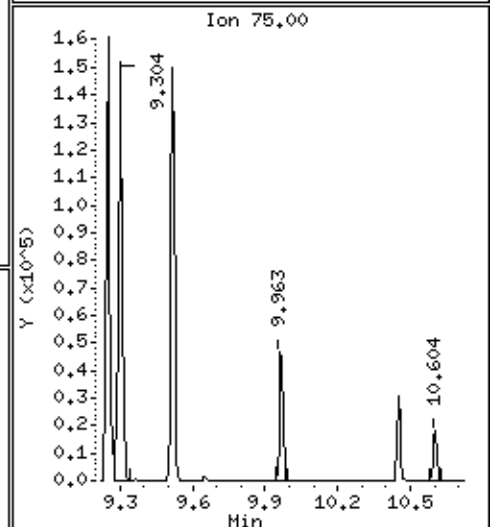
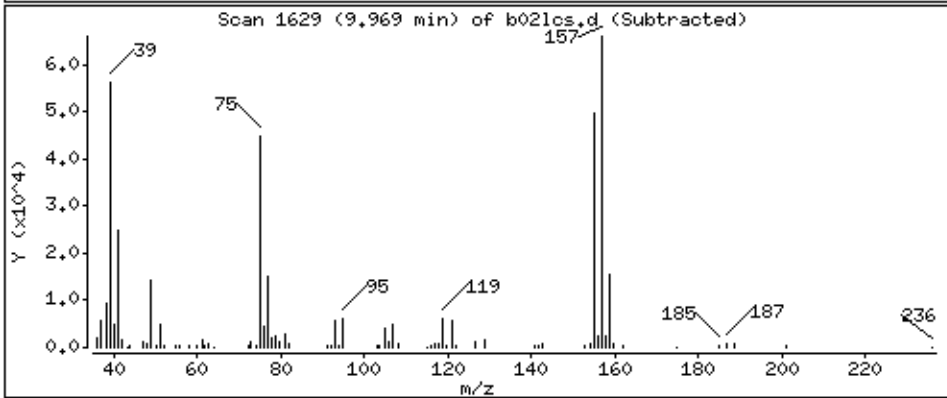
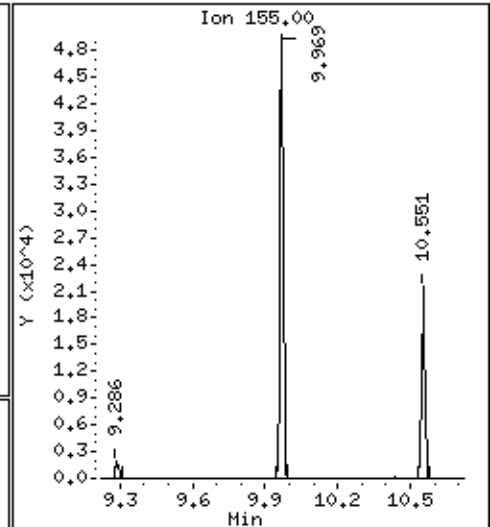
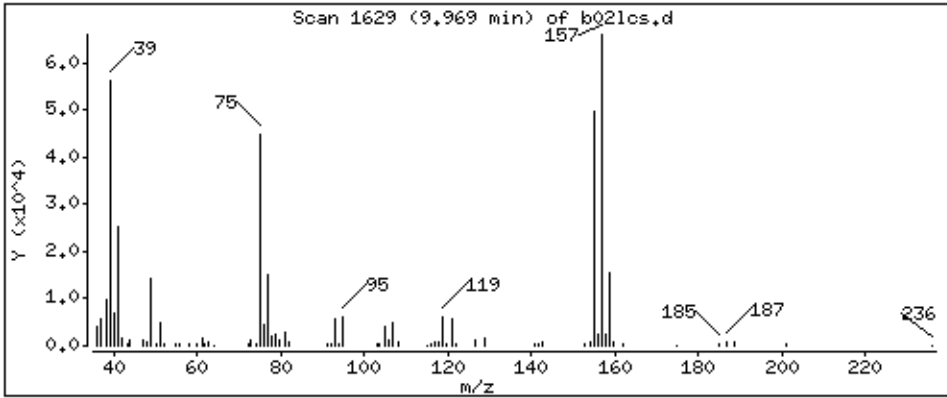
Operator: rsw

Column phase: DB-624

Column diameter: 0,18

92 1,2-Dibromo-3-chloropropane

Concentration: 45,4 ppb



Date : 01-JUL-2014 12:28

Client ID: 1121307

Instrument: 50mv4b.i

Sample Info: 1121307,71262;5

Purge Volume: 5.0

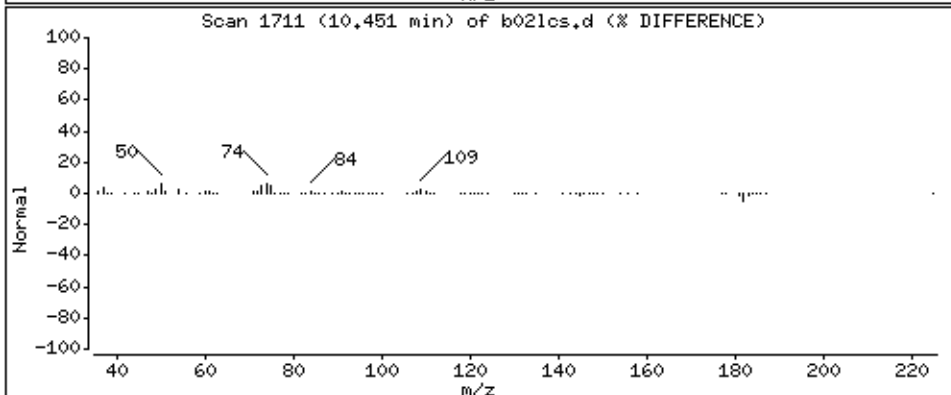
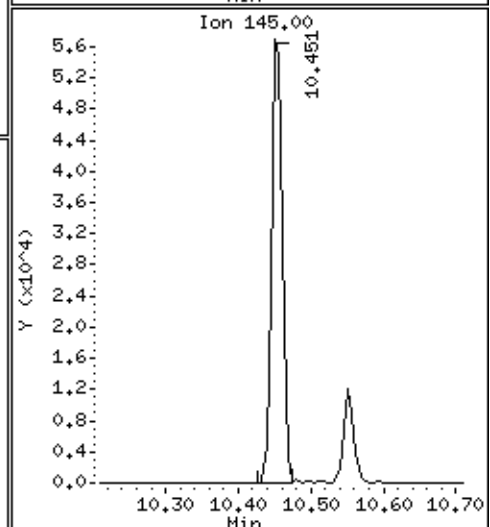
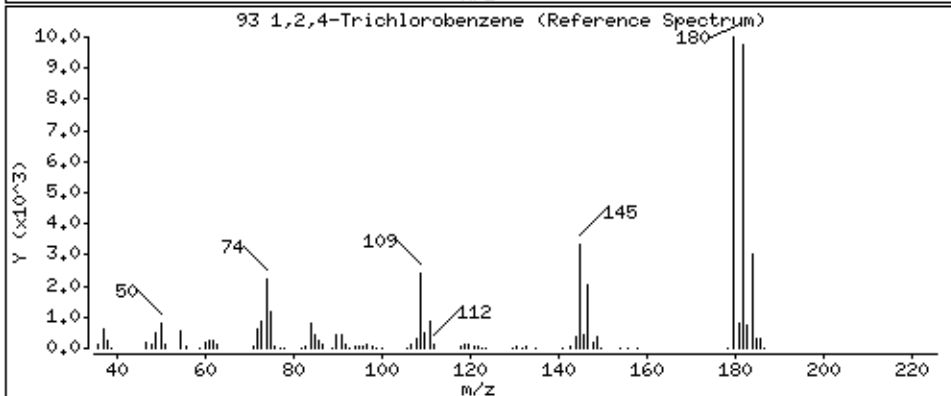
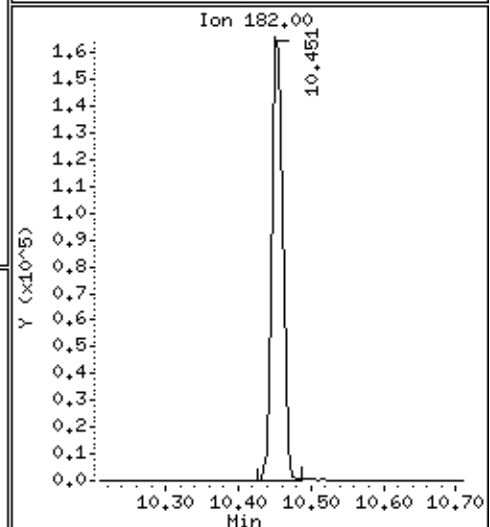
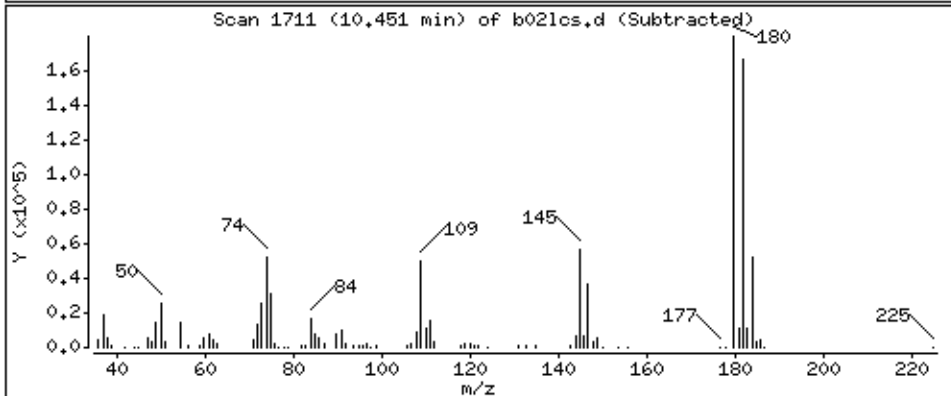
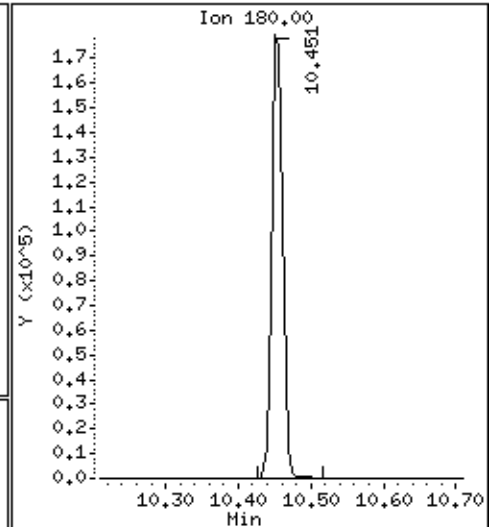
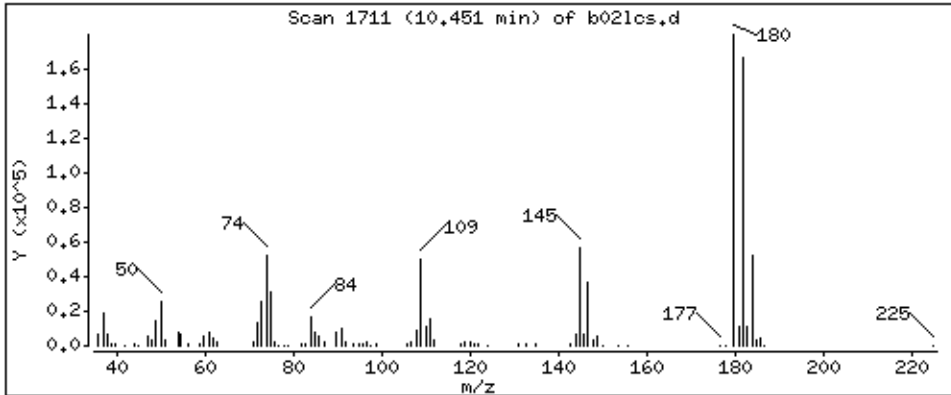
Operator: rsw

Column phase: DB-624

Column diameter: 0,18

93 1,2,4-Trichlorobenzene

Concentration: 43,5 ppb



Date : 01-JUL-2014 12:28

Client ID: 1121307

Instrument: 50mv4b.i

Sample Info: 1121307,71262;5

Purge Volume: 5.0

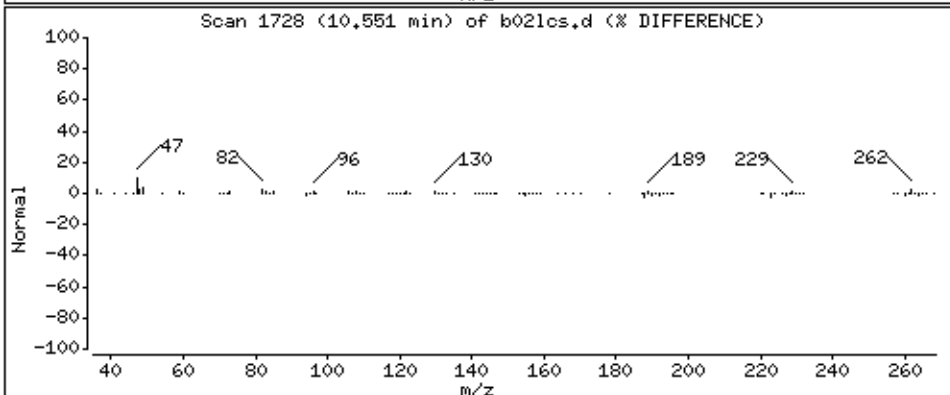
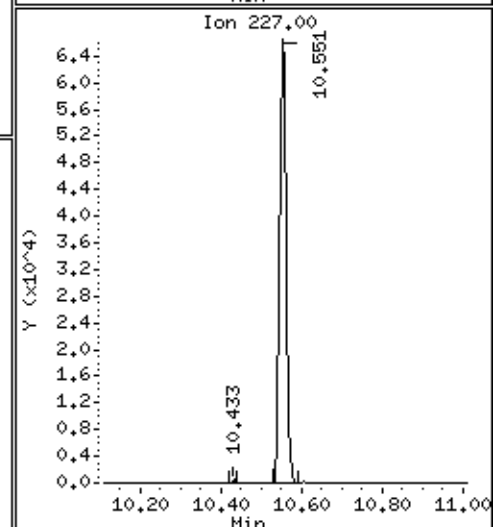
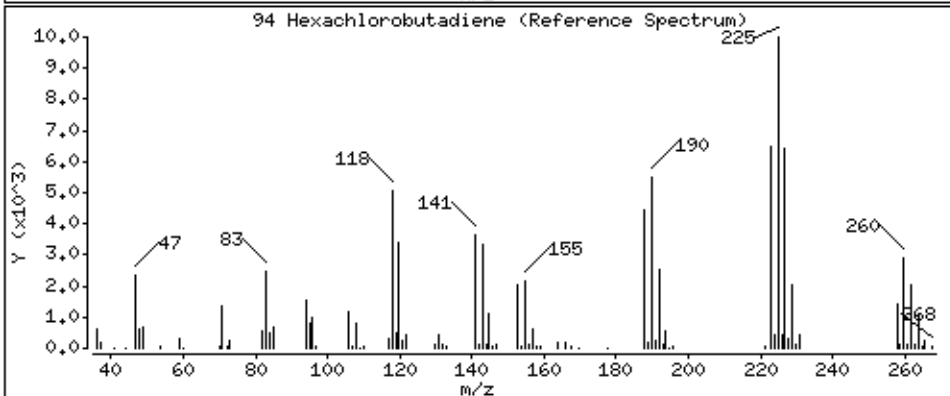
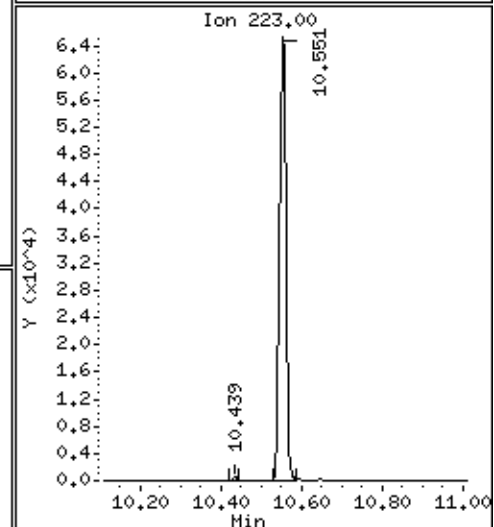
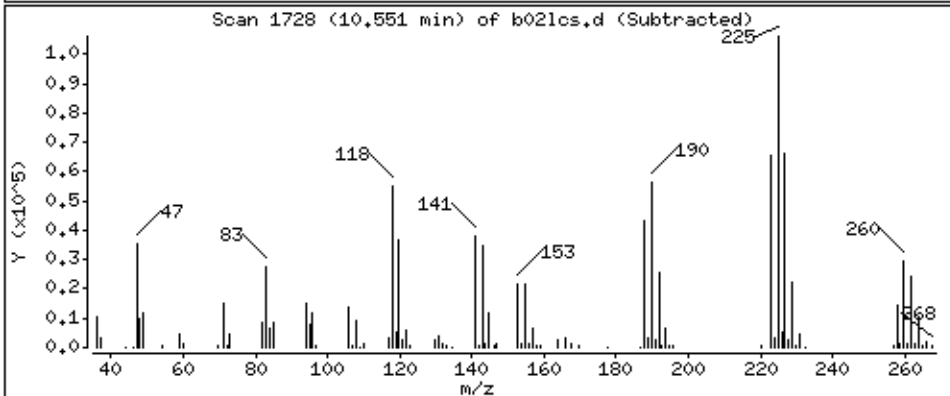
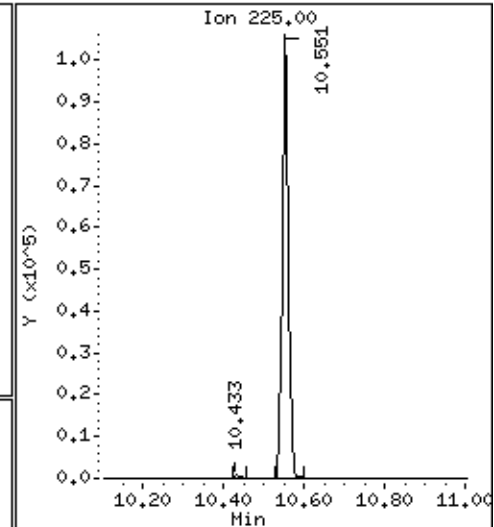
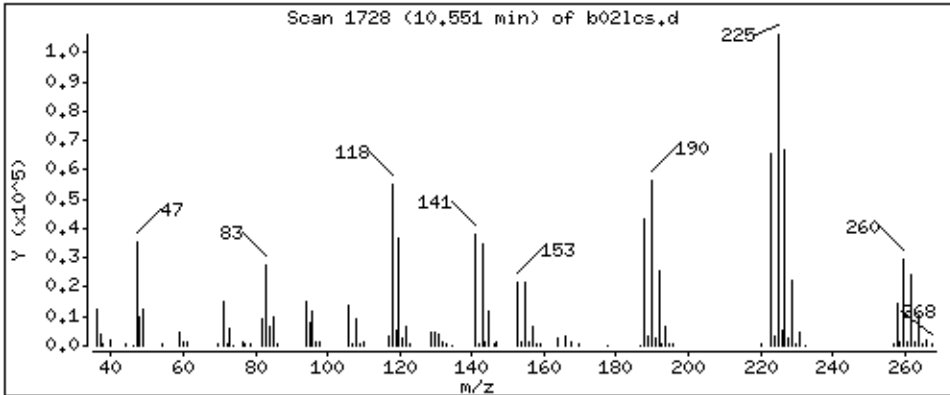
Operator: rsw

Column phase: DB-624

Column diameter: 0,18

94 Hexachlorobutadiene

Concentration: 53,2 ppb



Date : 01-JUL-2014 12:28

Client ID: 1121307

Instrument: 50mv4b.i

Sample Info: 1121307,71262;5

Purge Volume: 5.0

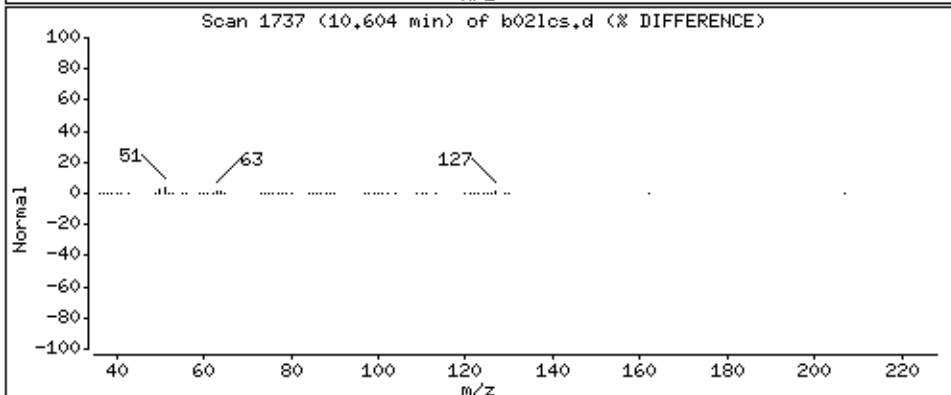
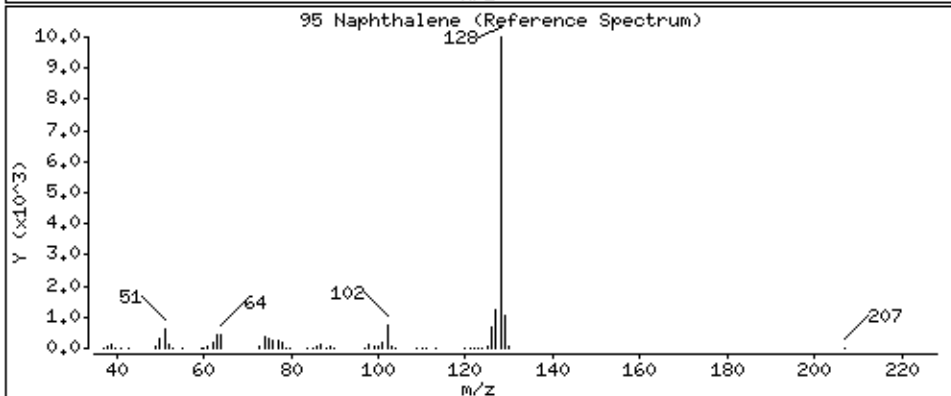
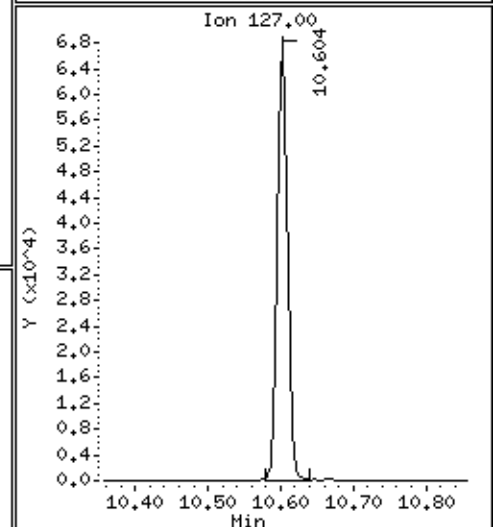
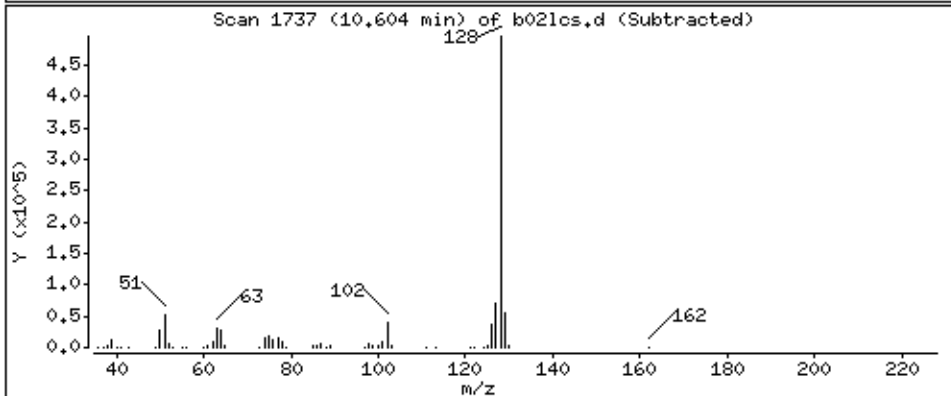
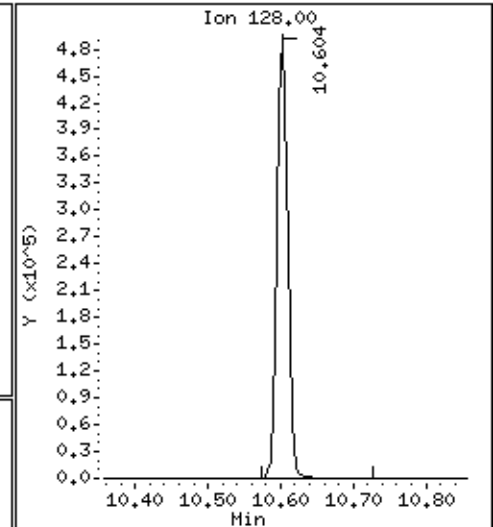
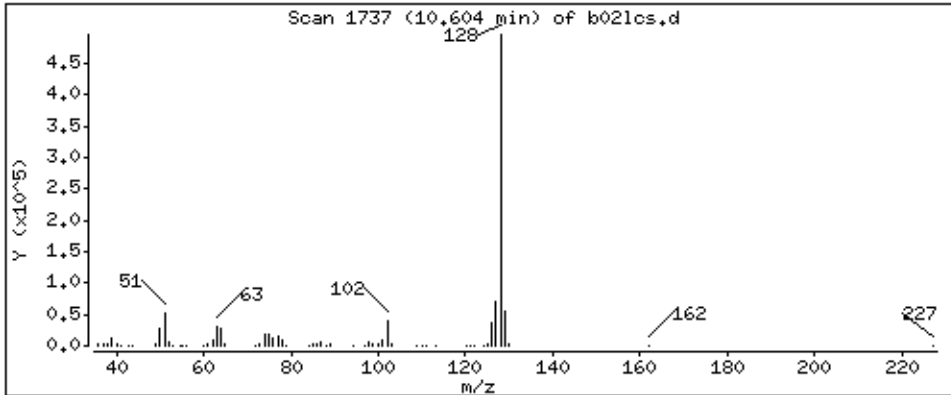
Operator: rsw

Column phase: DB-624

Column diameter: 0,18

95 Naphthalene

Concentration: 52.0 ppb



Date : 01-JUL-2014 12:28

Client ID: 1121307

Instrument: 50mv4b.i

Sample Info: 1121307,71262;5

Purge Volume: 5.0

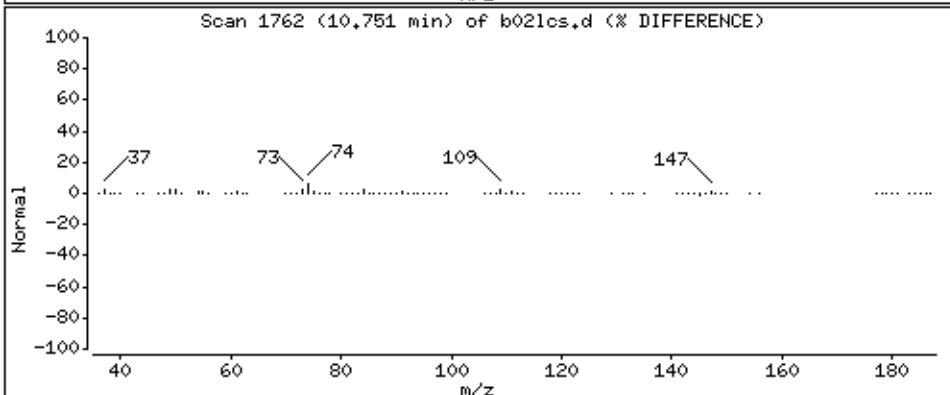
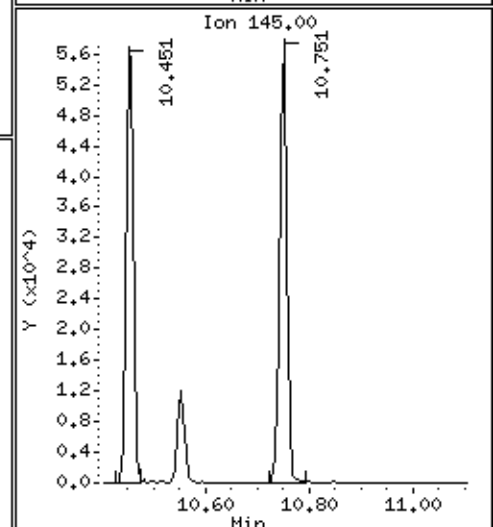
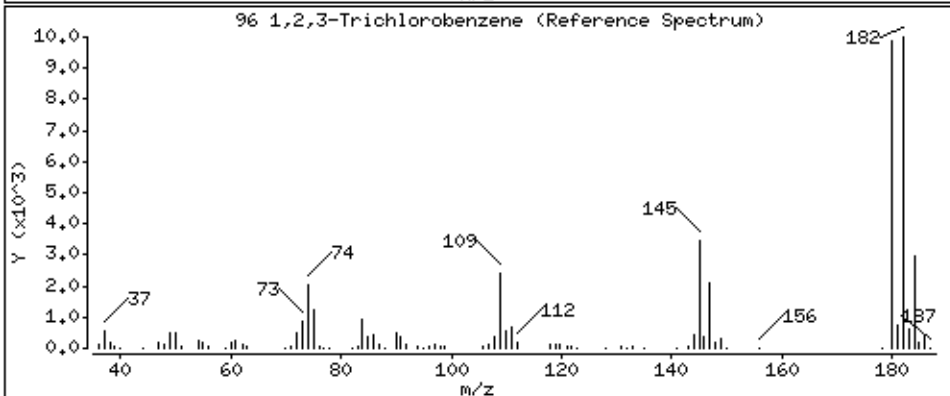
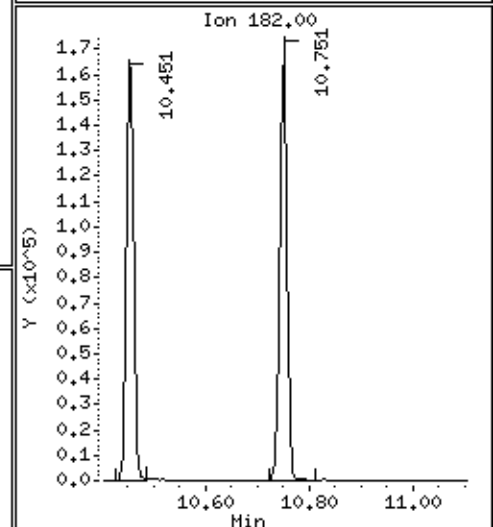
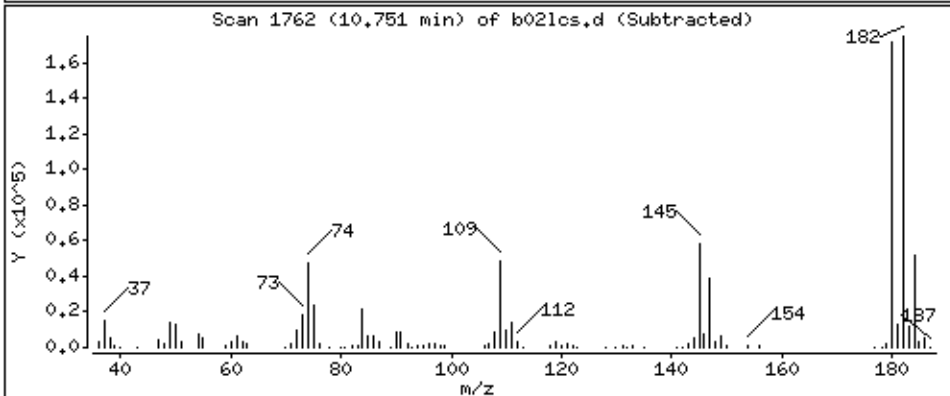
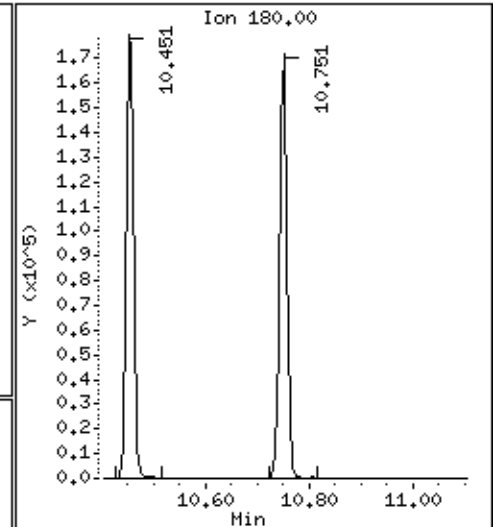
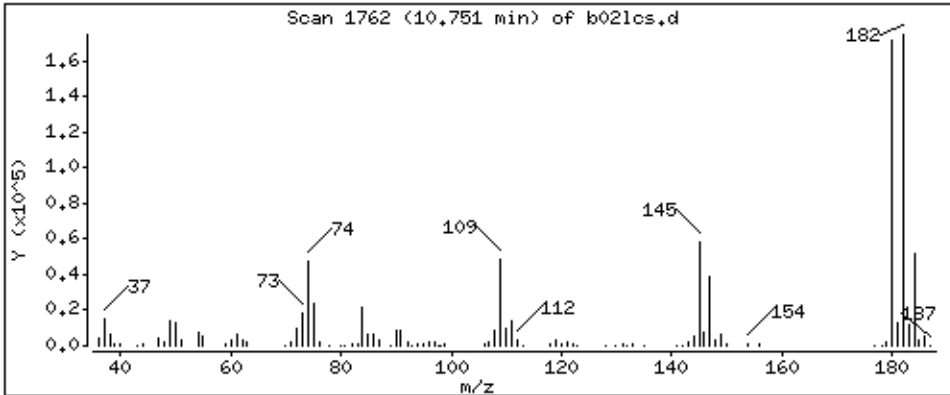
Operator: rsw

Column phase: DB-624

Column diameter: 0,18

96 1,2,3-Trichlorobenzene

Concentration: 45,9 ppb



Date : 01-JUL-2014 12:28

Client ID: 1121307

Instrument: 50mv4b.i

Sample Info: 1121307,71262;5

Purge Volume: 5.0

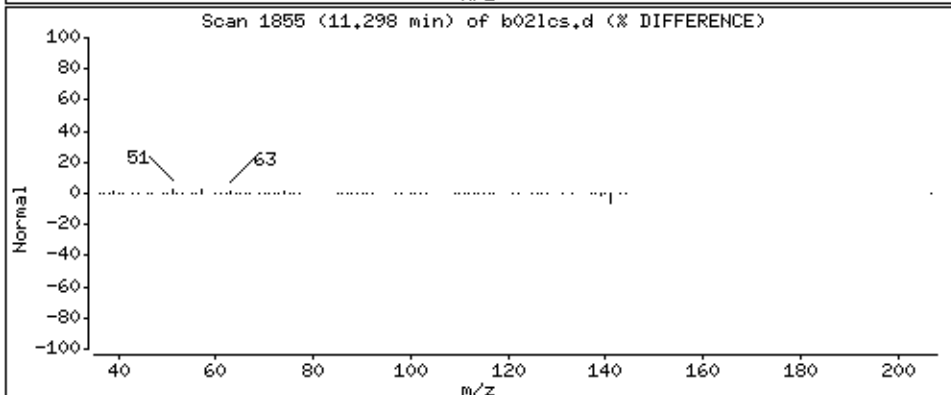
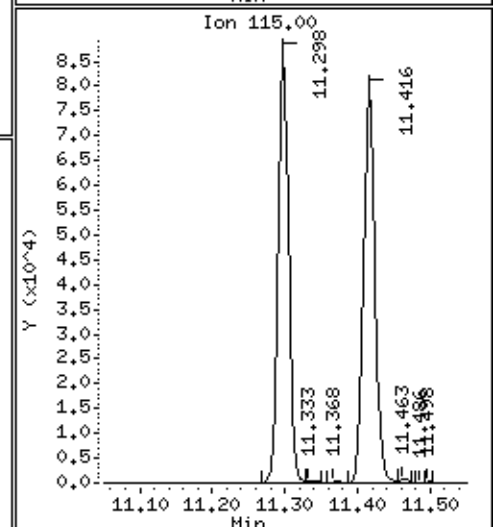
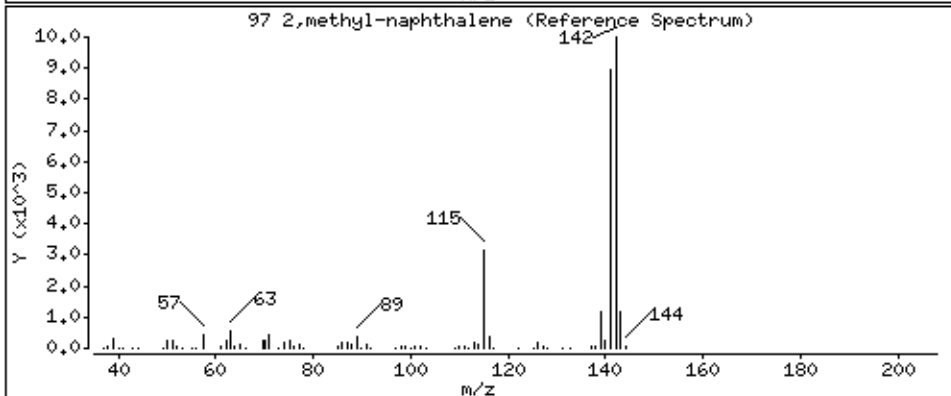
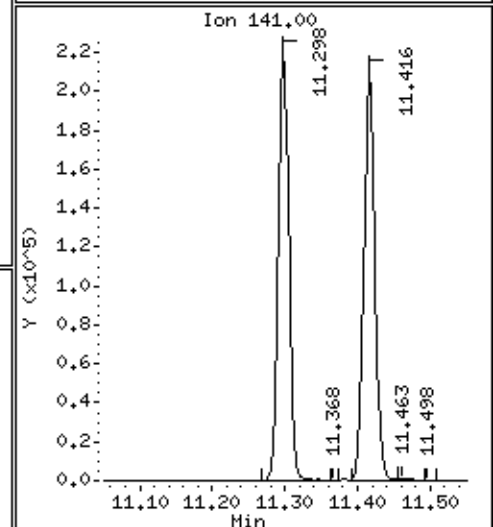
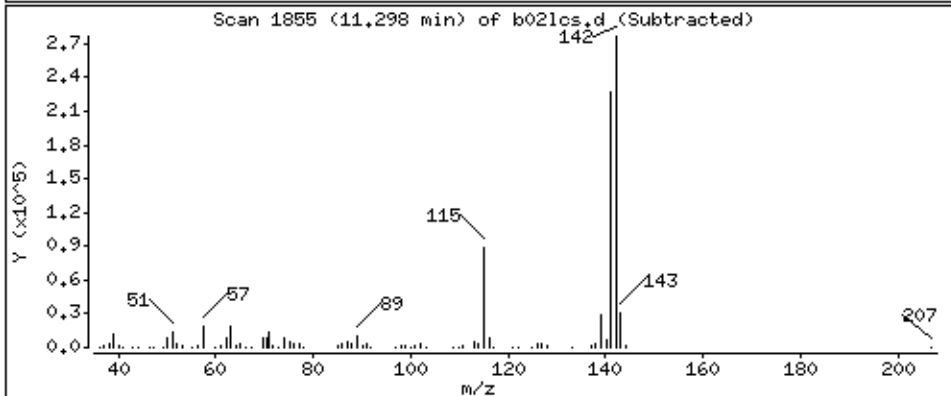
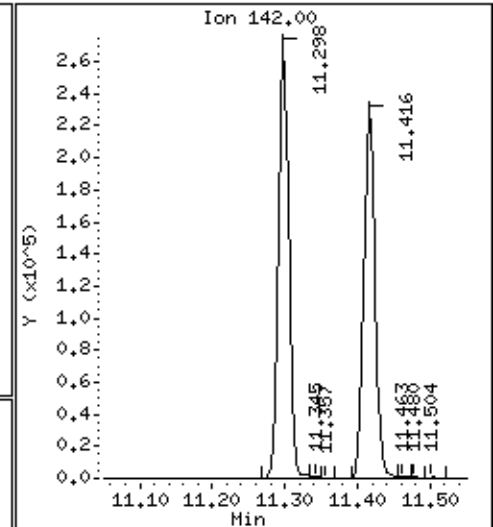
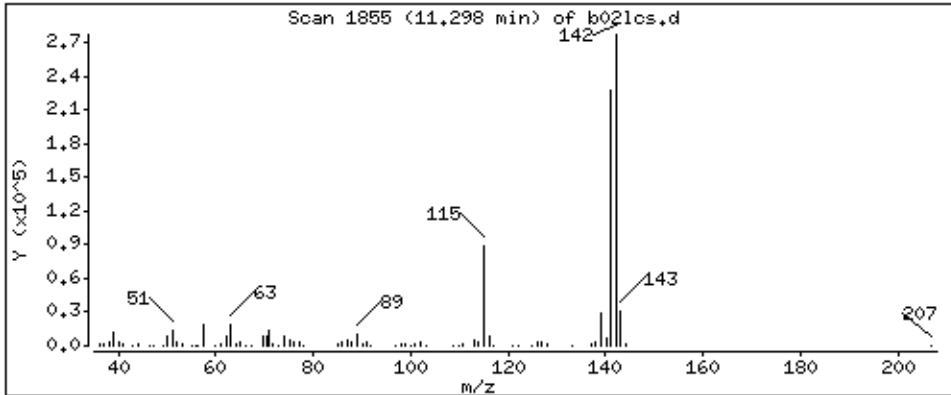
Operator: rsw

Column phase: DB-624

Column diameter: 0,18

97 2,methyl-naphthalene

Concentration: 53,3 ppb



Date : 01-JUL-2014 12:28

Client ID: 1121307

Instrument: 50mv4b.i

Sample Info: 1121307,71262;5

Purge Volume: 5.0

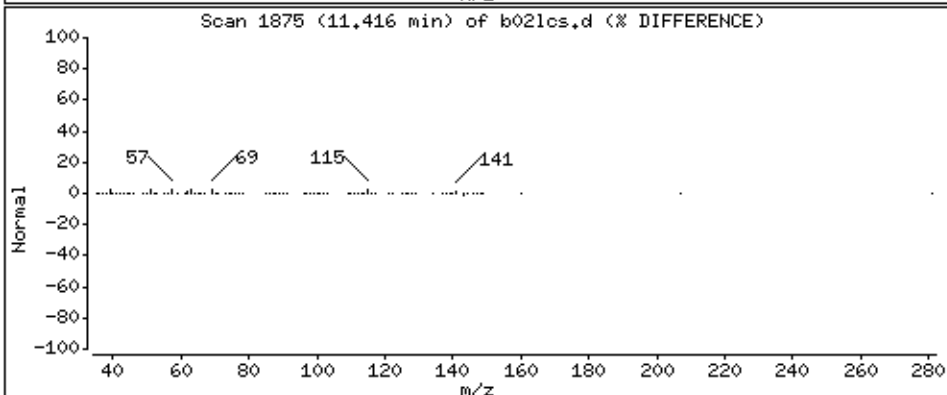
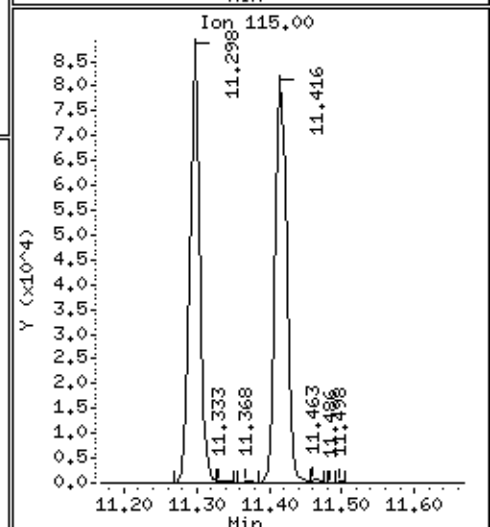
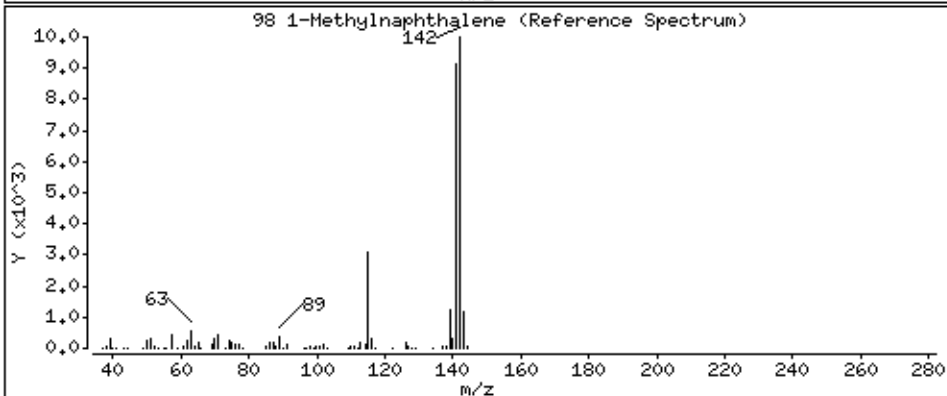
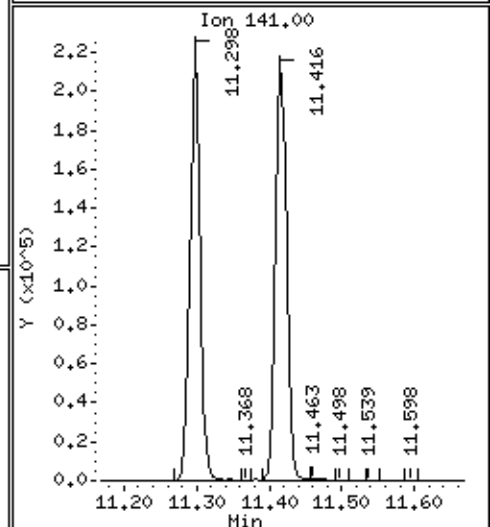
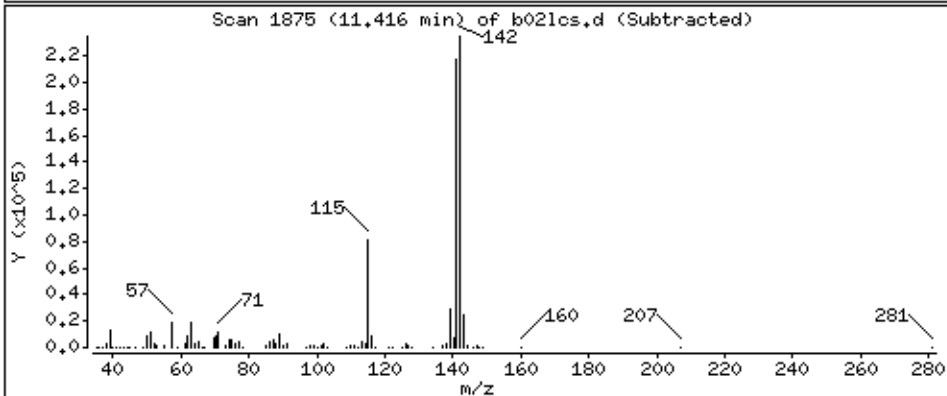
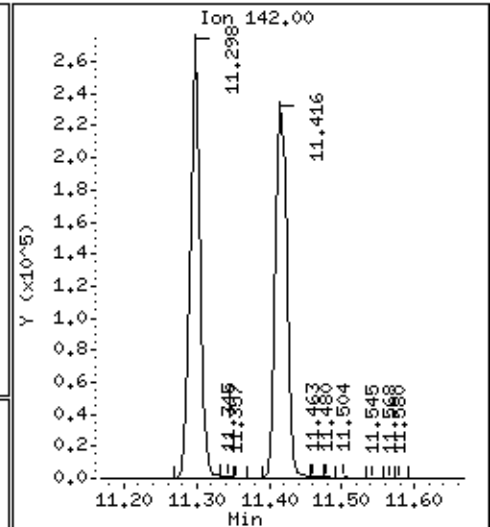
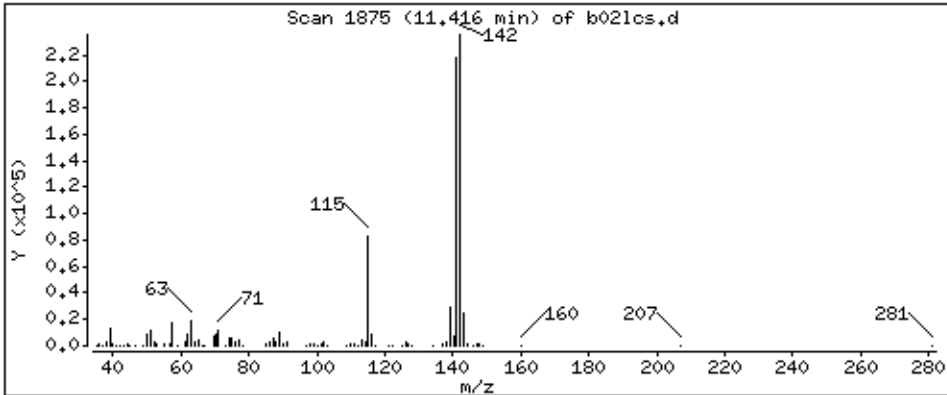
Operator: rsw

Column phase: DB-624

Column diameter: 0,18

98 1-Methylnaphthalene

Concentration: 52.0 ppb



Date : 01-JUL-2014 12:28

Client ID: 1121307

Instrument: 50mv4b.i

Sample Info: 1121307,71262;5

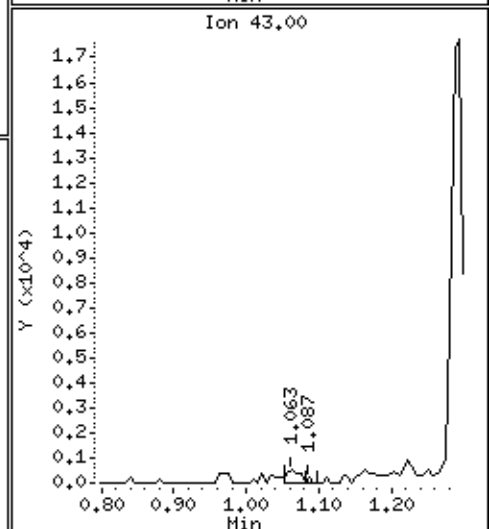
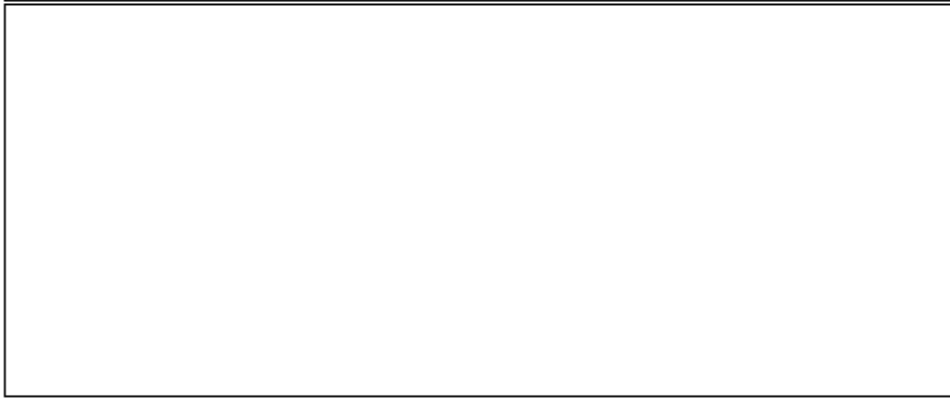
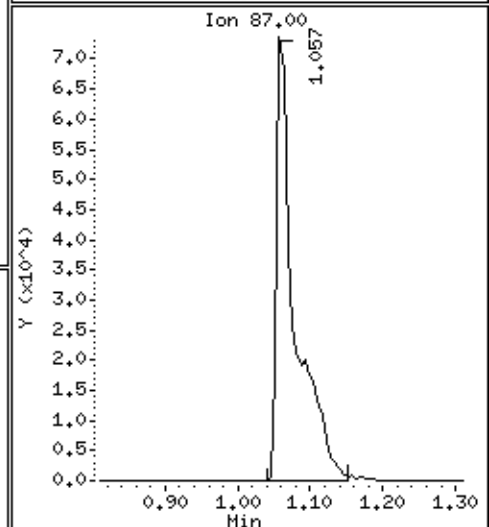
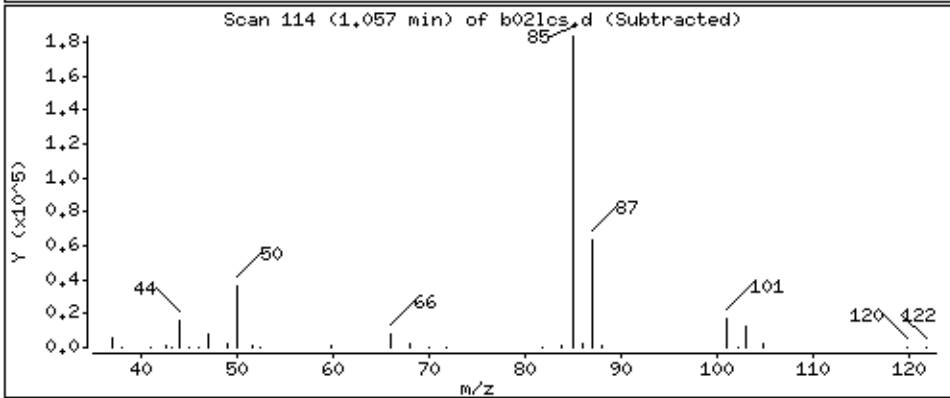
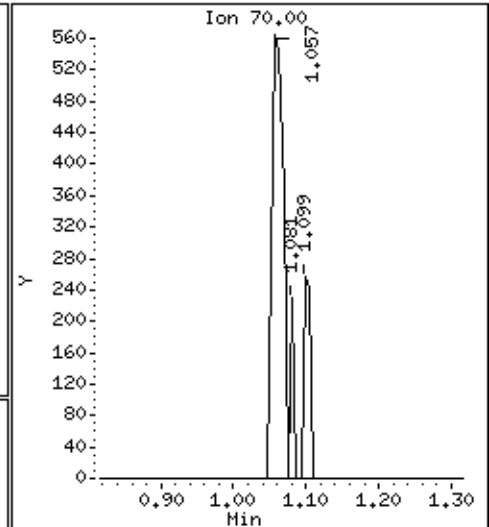
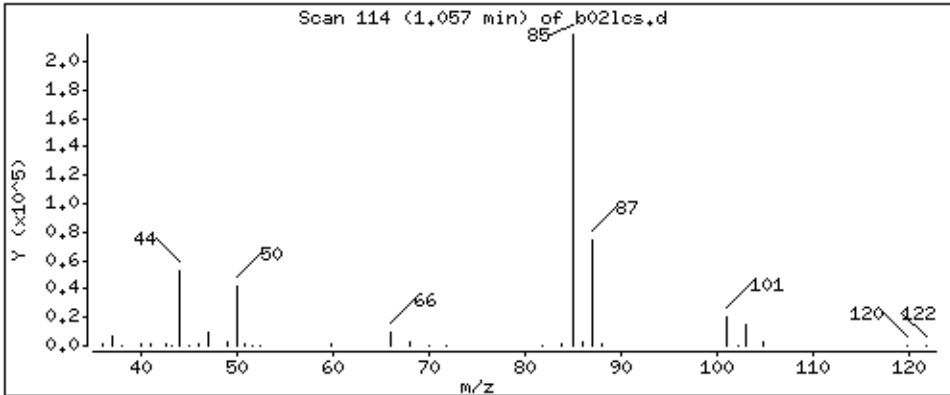
Purge Volume: 5.0

Operator: rsw

Column phase: DB-624

Column diameter: 0,18

99 n-nyl acetate



Date : 01-JUL-2014 12:28

Client ID: 1121307

Instrument: 50mv4b.i

Sample Info: 1121307,71262;5

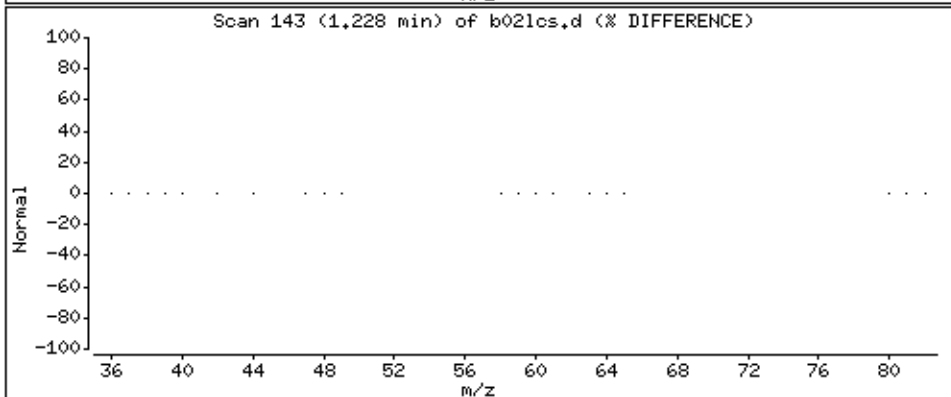
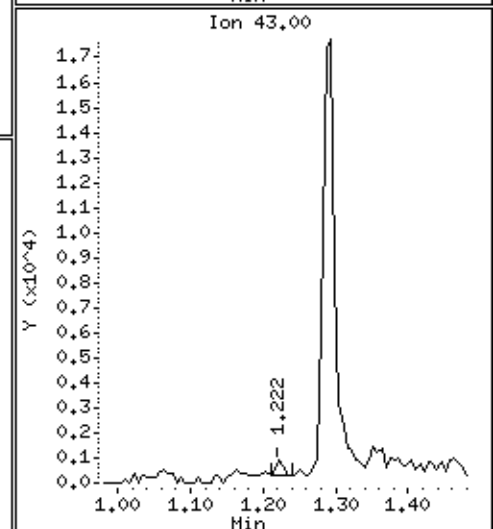
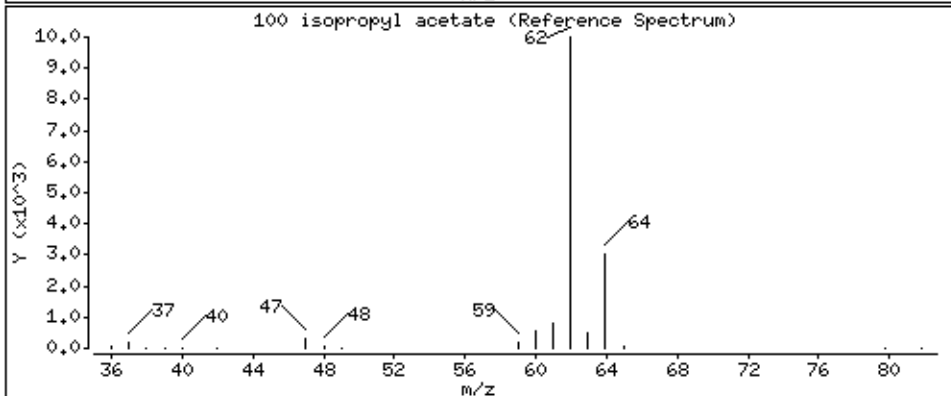
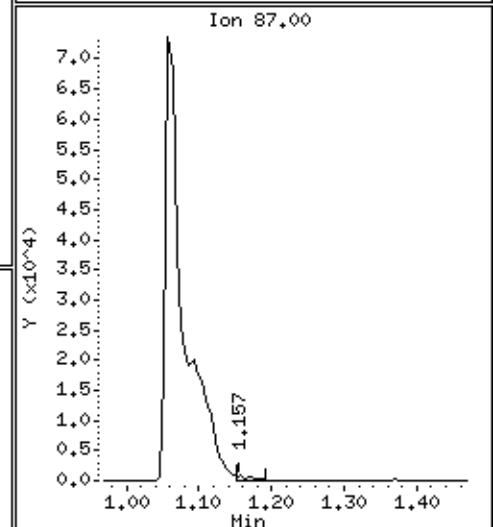
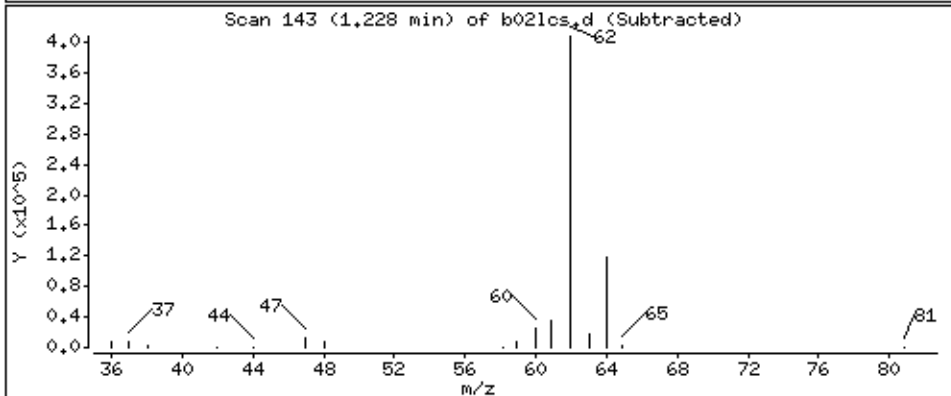
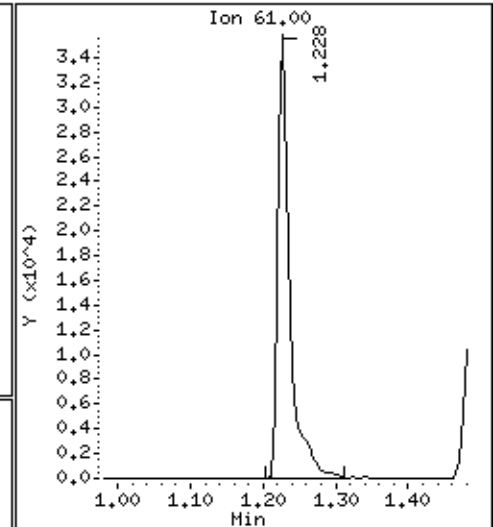
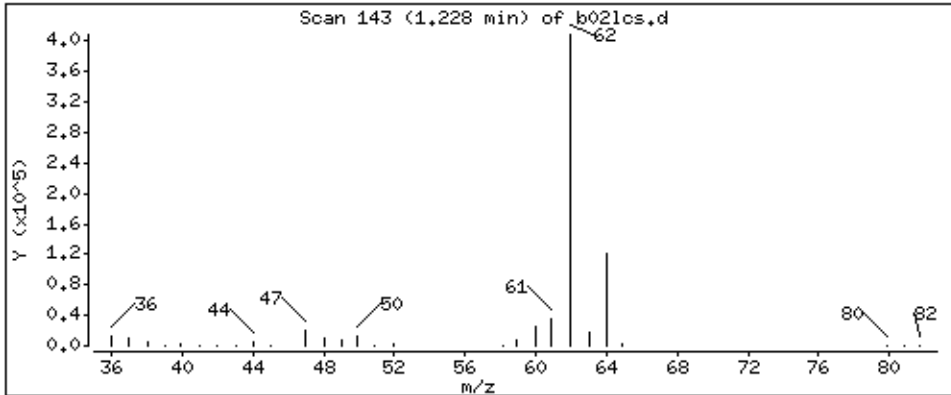
Purge Volume: 5.0

Operator: rsw

Column phase: DB-624

Column diameter: 0,18

100 isopropyl acetate



Data File: \\192.168.50.6\chem\50mv4b.i\b070114.b\b021cs.d
Injection Date: 01-JUL-2014 12:28
Instrument: 50mv4b.i
Lab Sample ID: 1121307
NO SIGNAL MANUAL INTEGRATIONS DONE FOR THIS DATA FILE

MSV - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

MS

Lab Name: Pace Analytical - Indiana

Contract: Sibley-Accucast/2339-356-03-00

Date Received: 06/21/2014 10:54

Matrix: Solid SDG No.: 5099688

Date Extracted: 07/02/2014 18:43

Lab Sample ID: 1122048

Date Analyzed: 07/02/2014 18:43

Lab File ID: A070214.BA17.D

Initial wt/vol: 5.612 g Final wt/vol: 5 mL Dilution: 1

Instrument: 50MV3A Percent Moisture: 4.7%

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
67-64-1	Acetone	420	
107-02-8	Acrolein	1280	
107-13-1	Acrylonitrile	825	
71-43-2	Benzene	43.1	
108-86-1	Bromobenzene	37.3	
74-97-5	Bromochloromethane	41.8	
75-27-4	Bromodichloromethane	39.4	
75-25-2	Bromoform	37.8	
74-83-9	Bromomethane	36.9	
78-93-3	2-Butanone (MEK)	253	
104-51-8	n-Butylbenzene	37.1	
135-98-8	sec-Butylbenzene	38.3	
98-06-6	tert-Butylbenzene	32.2	
75-15-0	Carbon disulfide	85.4	
56-23-5	Carbon tetrachloride	38.1	
108-90-7	Chlorobenzene	38.5	
75-00-3	Chloroethane	50.6	
67-66-3	Chloroform	38.3	
74-87-3	Chloromethane	46.5	
95-49-8	2-Chlorotoluene	37.6	
106-43-4	4-Chlorotoluene	39.1	
124-48-1	Dibromochloromethane	35.3	
106-93-4	1,2-Dibromoethane (EDB)	41.7	
74-95-3	Dibromomethane	38.5	
95-50-1	1,2-Dichlorobenzene	38.9	
541-73-1	1,3-Dichlorobenzene	37.7	
106-46-7	1,4-Dichlorobenzene	38.5	
110-57-6	trans-1,4-Dichloro-2-butene	143	
75-71-8	Dichlorodifluoromethane	33.2	
75-34-3	1,1-Dichloroethane	39.3	
107-06-2	1,2-Dichloroethane	38.1	
75-35-4	1,1-Dichloroethene	41.4	
156-59-2	cis-1,2-Dichloroethene	38.8	
156-60-5	trans-1,2-Dichloroethene	39.6	
78-87-5	1,2-Dichloropropane	41.6	
142-28-9	1,3-Dichloropropane	38.0	
594-20-7	2,2-Dichloropropane	42.0	

07/21/2014 10:54

MSV - FORM I VOA-2
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

MS

Lab Name: Pace Analytical - Indiana
Date Received: 06/21/2014 10:54
Date Extracted: 07/02/2014 18:43
Date Analyzed: 07/02/2014 18:43
Initial wt/vol: 5.612 g Final wt/vol: 5 mL Dilution: 1

Contract: Sibley-Accucast/2339-356-03-00
Matrix: Solid SDG No.: 5099688
Lab Sample ID: 1122048
Lab File ID: A070214.BVA17.D
Instrument: 50MV3A Percent Moisture: 4.7%

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
563-58-6	1,1-Dichloropropene	39.0	
10061-01-5	cis-1,3-Dichloropropene	35.4	
10061-02-6	trans-1,3-Dichloropropene	37.2	
100-41-4	Ethylbenzene	39.2	
97-63-2	Ethyl methacrylate	138	
87-68-3	Hexachloro-1,3-butadiene	41.0	
110-54-3	n-Hexane	38.0	
591-78-6	2-Hexanone	232	
74-88-4	Iodomethane	78.6	J
98-82-8	Isopropylbenzene (Cumene)	40.5	
99-87-6	p-Isopropyltoluene	37.9	
75-09-2	Methylene Chloride	30.9	
108-10-1	4-Methyl-2-pentanone (MIBK)	202	
1634-04-4	Methyl-tert-butyl ether	81.9	
91-20-3	Naphthalene	39.7	
103-65-1	n-Propylbenzene	38.5	
100-42-5	Styrene	40.4	
630-20-6	1,1,1,2-Tetrachloroethane	40.6	
79-34-5	1,1,2,2-Tetrachloroethane	37.1	
127-18-4	Tetrachloroethene	39.2	
108-88-3	Toluene	37.3	
87-61-6	1,2,3-Trichlorobenzene	40.0	
120-82-1	1,2,4-Trichlorobenzene	40.0	
71-55-6	1,1,1-Trichloroethane	39.8	
79-00-5	1,1,2-Trichloroethane	38.7	
79-01-6	Trichloroethene	41.2	
75-69-4	Trichlorofluoromethane	41.2	
96-18-4	1,2,3-Trichloropropane	36.4	
95-63-6	1,2,4-Trimethylbenzene	39.0	
108-67-8	1,3,5-Trimethylbenzene	37.8	
108-05-4	Vinyl acetate	92.3	J
75-01-4	Vinyl chloride	48.4	
1330-20-7	Xylene (Total)	119	

07/21/2014 10:54

Pace Analytical Services, Inc.

Data file : \\192.168.50.6\chem\50mv3a.i\a070214.b\a17.d
 Lab Smp Id: 1122048 Client Smp ID: TMW-5(12-14)MS
 Inj Date : 02-JUL-2014 18:43
 Operator : jlz Inst ID: 50mv3a.i
 Smp Info : 1122048,71089:5
 Misc Info : 66411
 Comment :
 Method : \\192.168.50.6\chem\50mv3a.i\a070214.b\ -a8260_a_c.m
 Meth Date : 03-Jul-2014 11:07 50mv3a.i Quant Type: ISTD
 Cal Date : 19-JUN-2014 18:33 Cal File: a08cal.d
 Als bottle: 35 QC Sample: MS
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: all.sub
 Target Version: 4.14

Concentration Formula: Amt * DF * Uf/(Ws*(100-M)/100)) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Ws	5.000	Weight of sample extracted (g)
M	4.708	% Moisture (not decanted)
Va	0.00000	Volume of aliquot extract added (uL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT	SIG	CONCENTRATIONS				ON-COLUMN (ug/L)	FINAL (ppb)	REVIEW C
			MASS	RT	EXP RT	REL RT			
1 Dichlorodifluoromethane	85		1.027	1.026	(0.231)	30749	35.5591	37.3	
2 Chloromethane	50		1.126	1.126	(0.253)	36593	49.7508	52.2	
3 Vinyl Chloride	62		1.137	1.136	(0.255)	37548	51.7334	54.3	
4 Bromomethane	94		1.294	1.293	(0.291)	12379	39.4825	41.4	
5 Chloroethane	64		1.341	1.345	(0.301)	22511	54.1299	56.8	
6 Trichlorofluoromethane	101		1.466	1.466	(0.329)	50737	44.0522	46.2	
7 Diethyl ether	74		1.597	1.596	(0.359)	14281	49.3636	51.8	
8 1,2-dichlorotrifluoroethane	67		1.618	1.617	(0.363)	38310	45.8470	48.1	
9 Acrolein	56		1.675	1.675	(0.376)	58239	1372.99	1440	
10 1,1,2trichlorotrifluoroethane	101		1.733	1.732	(0.389)	32747	46.5853	48.9	
11 1,1-Dichloroethene	96		1.738	1.738	(0.390)	26964	44.3031	46.5	
12 Acetone	43		1.749	1.748	(0.393)	43850	449.626	472 (R)	
13 Iodomethane	142		1.838	1.837	(0.413)	32394	84.0146	88.2	
14 Carbon Disulfide	76		1.890	1.889	(0.424)	162155	91.3625	95.9	
15 Methyl Acetate	43		1.932	1.931	(0.434)	35054	139.579	146 (R)	
16 allyl chloride	41		1.947	1.947	(0.437)	92025	95.7186	100	
17 Methylene Chloride	84		2.031	2.031	(0.456)	27792	33.0041	34.6 (R)	
18 tert-Butyl Alcohol	59		2.078	2.083	(0.467)	2882	117.631	123 (Q)	
19 Acrylonitrile	53		2.178	2.177	(0.489)	106992	882.741	926	
20 Methyl-tert-butyl ether	73		2.204	2.203	(0.495)	123562	87.6389	92.0	
21 1,2-Dichloroethene (trans)	96		2.219	2.219	(0.498)	29805	42.3618	44.4	

Compounds	QUANT MASS	SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS		REVIEW C
							ON-COLUMN (ug/L)	FINAL (ppb)	
22 n-Hexane	57		2.418	2.418	(0.543)	49224	40.6504	42.6	
23 Vinyl Acetate	43		2.538	2.538	(0.570)	73399	98.7615	104	
24 1,1-Dichloroethane	63		2.549	2.548	(0.572)	50593	42.0547	44.1	
25 2-Butanone	43		3.046	3.045	(0.684)	43055	270.444	284	
26 1,2-Dichloroethene (cis)	96		3.061	3.061	(0.688)	29646	41.4868	43.5	
27 2,2-Dichloropropane	77		3.067	3.066	(0.689)	39338	44.9450	47.2	
29 Bromochloromethane	49		3.318	3.312	(0.745)	16230	44.7594	47.0	
30 Tetrahydrofuran	42		3.339	3.338	(0.750)	4537	48.7713	51.2	
31 Chloroform	83		3.433	3.432	(0.771)	47923	40.9775	43.0	
\$ 32 Dibromofluoromethane (S)	113		3.621	3.626	(0.813)	24876	47.9337	50.3	
33 1,1,1-Trichloroethane	97		3.626	3.626	(0.814)	44197	42.6201	44.7	
34 Cyclohexane	56		3.715	3.715	(0.834)	56353	46.5804	48.9	
35 Carbon Tetrachloride	117		3.820	3.819	(0.858)	34752	40.7177	42.7	
36 1,1-Dichloropropene	75		3.825	3.830	(0.859)	43332	41.7618	43.8	
37 Benzene	78		4.071	4.070	(0.914)	119198	46.0749	48.4	
38 1,2-Dichloroethane	62		4.149	4.149	(0.932)	30110	40.7341	42.7	
39 Isobutyl alcohol	43		4.175	4.238	(0.938)	188014	338.353	355 (Q)	
40 2,2,4-Trimethylpentane	57		4.238	4.238	(0.952)	124099	42.1087	44.2	
* 41 Fluorobenzene (IS)	96		4.453	4.452	(1.000)	111630	50.0000		
42 Trichloroethene	95		4.887	4.886	(1.097)	31158	44.0960	46.3	
43 Methylcyclohexane	55		5.148	5.148	(1.156)	46297	45.1247	47.4	
44 1,2-Dichloropropane	63		5.185	5.184	(1.164)	26425	44.4676	46.7	
45 Dibromomethane	93		5.279	5.278	(1.186)	10746	41.1700	43.2	
46 1,4-Dioxane	88		5.289	5.289	(1.188)	4021	1017.64	1070	
47 Methyl methacrylate	69		5.289	5.289	(1.188)	14524	50.4404	52.9	
48 Bromodichloromethane	83		5.499	5.498	(1.235)	31724	42.1453	44.2	
49 2-Chloroethyl vinyl ether	63		5.839	5.838	(0.776)	7365	43.5157	45.7	
50 cis-1,3-Dichloropropene	75		5.985	5.985	(0.796)	37110	37.8685	39.7	
51 4-Methyl-2-Pentanone	43		6.152	6.152	(0.818)	86779	216.503	227	
\$ 52 Toluene-d8 (S)	98		6.257	6.256	(0.832)	109875	46.8350	49.1	
53 Toluene	91		6.330	6.330	(0.841)	133760	39.8516	41.8	
54 trans-1,3-Dichloropropene	75		6.592	6.591	(0.876)	29263	39.7873	41.8	
55 Ethyl Methacrylate	69		6.665	6.664	(0.886)	102412	147.448	155	
56 1,1,2-Trichloroethane	83		6.770	6.769	(0.900)	15547	41.3653	43.4	
57 Tetrachloroethene	166		6.822	6.821	(0.907)	40285	41.9621	44.0	
58 1,3-Dichloropropane	76		6.900	6.905	(0.917)	34522	40.6719	42.7	
59 2-Hexanone	43		6.963	6.963	(0.926)	68096	248.505	261	
60 Dibromochloromethane	129		7.078	7.083	(0.941)	20921	37.8052	39.7	
61 1,2-Dibromoethane	107		7.167	7.161	(0.953)	17851	44.5543	46.8	
* 62 Chlorobenzene-D5 (IS)	117		7.523	7.522	(1.000)	88335	50.0000		
63 Chlorobenzene	112		7.544	7.543	(1.003)	86868	41.1814	43.2	
64 1,1,1,2-Tetrachloroethane	131		7.617	7.616	(1.013)	27250	43.3930	45.5	
65 Ethylbenzene	106		7.622	7.622	(1.013)	52672	41.8955	44.0	
66 m&p-Xylene	106		7.716	7.716	(1.026)	130058	84.8928	89.1	
67 o-Xylene	106		7.978	7.977	(1.060)	60932	42.5432	44.6	
68 Styrene	104		7.993	7.993	(1.063)	102089	43.1813	45.3	
69 Bromoform	173		8.114	8.113	(0.901)	13160	40.4676	42.5	
70 Isopropylbenzene	105		8.218	8.218	(1.092)	173956	43.3079	45.4	
\$ 71 4-Bromofluorobenzene (S)	95		8.328	8.328	(1.107)	40780	49.5080	52.0	
72 Bromobenzene	77		8.412	8.411	(1.118)	54474	39.9084	41.9	
73 1,1,2,2-Tetrachloroethane	83		8.417	8.417	(0.934)	22157	39.6973	41.6	
74 trans-1,4-Dichloro-2-butene	53		8.438	8.437	(1.122)	22308	153.446	161 (Q)	
75 1,2,3-Trichloropropane	110		8.448	8.448	(0.938)	7244	38.9579	40.9 (Q)	
76 n-Propylbenzene	91		8.475	8.474	(0.941)	201713	41.1513	43.2	

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS		REVIEW C
						ON-COLUMN (ug/L)	FINAL (ppb)	
77 2-Chlorotoluene	91	8.527	8.526	(0.947)	110421	40.2340	42.2	
78 1,3,5-Trimethylbenzene	105	8.584	8.584	(0.953)	146041	40.4780	42.5	
79 4-Chlorotoluene	126	8.600	8.600	(0.955)	39863	41.8165	43.9	
80 tert-Butylbenzene	119	8.767	8.767	(0.973)	133475	34.3996	36.1	
81 1,2,4-Trimethylbenzene	105	8.799	8.798	(0.977)	150059	41.6926	43.8	
82 sec-Butylbenzene	105	8.893	8.892	(0.987)	196836	40.9133	42.9	
83 1,3-Dichlorobenzene	146	8.961	8.960	(0.995)	79321	40.3648	42.4	
84 p-Isopropyltoluene	119	8.977	8.976	(0.997)	169769	40.5579	42.6	
* 85 1,4-Dichlorobenzene-d4 (IS)	152	9.008	9.008	(1.000)	49671	50.0000		
86 1,4-Dichlorobenzene	146	9.019	9.018	(1.001)	80629	41.1344	43.2	
87 n-Butylbenzene	91	9.196	9.196	(1.021)	149564	39.6942	41.6	
88 1,2-Dichlorobenzene	146	9.212	9.211	(1.023)	72133	41.5647	43.6	
89 1,2-Dibromo-3-chloropropane	155	9.620	9.619	(1.068)	3558	29.3789	30.8 (R)	
90 1,2,4-Trichlorobenzene	180	10.044	10.043	(1.115)	53532	42.8100	44.9	
91 Hexachlorobutadiene	225	10.112	10.111	(1.123)	34687	43.8204	46.0	
92 Naphthalene	128	10.195	10.190	(1.132)	91566	42.4142	44.5	
93 1,2,3-Trichlorobenzene	180	10.310	10.310	(1.145)	47965	42.7372	44.8	
94 2,methyl-naphthalene	142	10.854	10.854	(1.205)	57258	42.2832	44.4	
95 1-Methylnaphthalene	142	10.980	10.979	(1.219)	50972	43.9903	46.2	

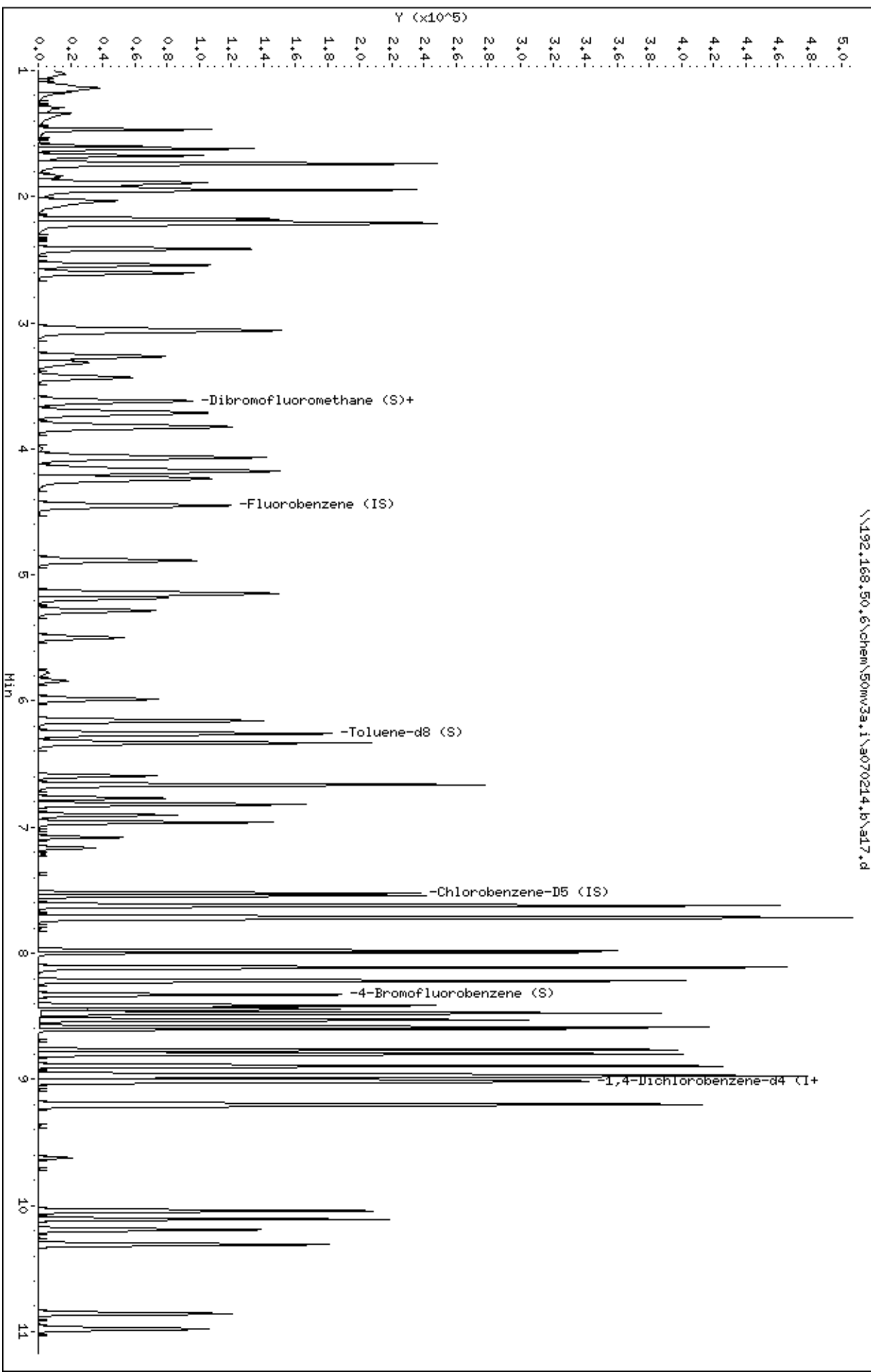
QC Flag Legend

Q - Qualifier signal failed the ratio test.
 R - Spike/Surrogate failed recovery limits.

Data File: \\192.168.50.6\chem\50mw3a.1\9070214.b\917.d
Date : 02-JUL-2014 18:43
Client ID: TMM-5(12-14)MS
Sample Info: 1122048,71089;5
Column phase: DB-624

Instrument: 50mw3a.1
Operator: JIZ
Column diameter: 0.18

\\192.168.50.6\chem\50mw3a.1\9070214.b\917.d



Date : 02-JUL-2014 18:43

Client ID: THW-5(12-14)HS

Instrument: 50mv3a.i

Sample Info: 1122048,71089;5

Operator: jlz

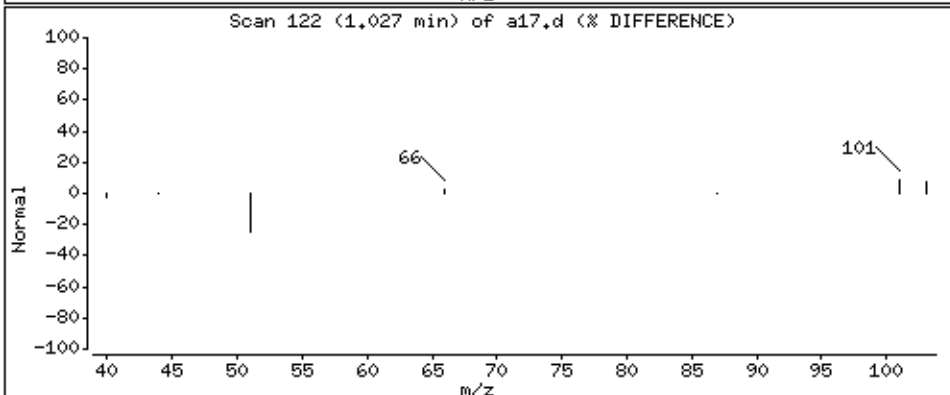
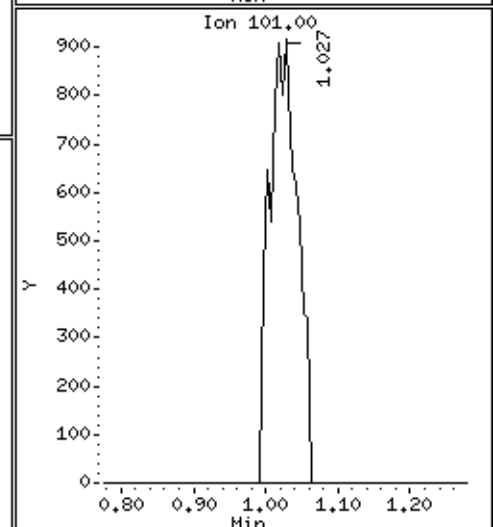
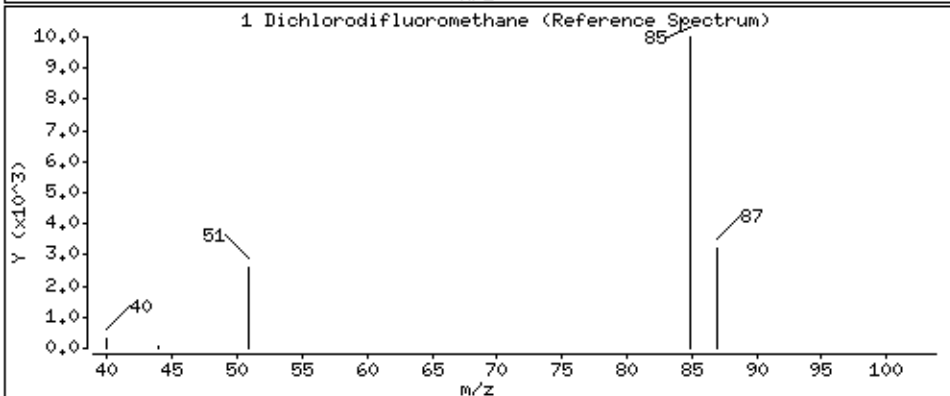
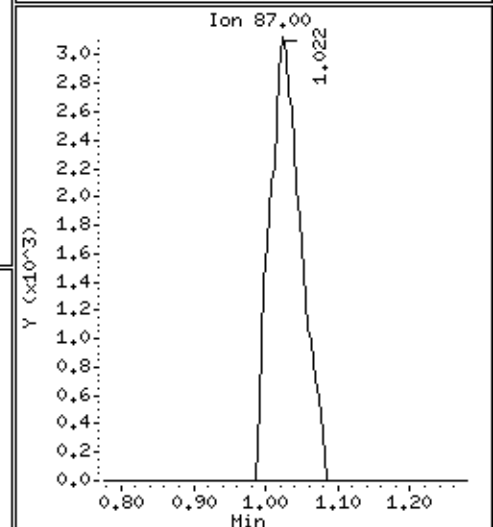
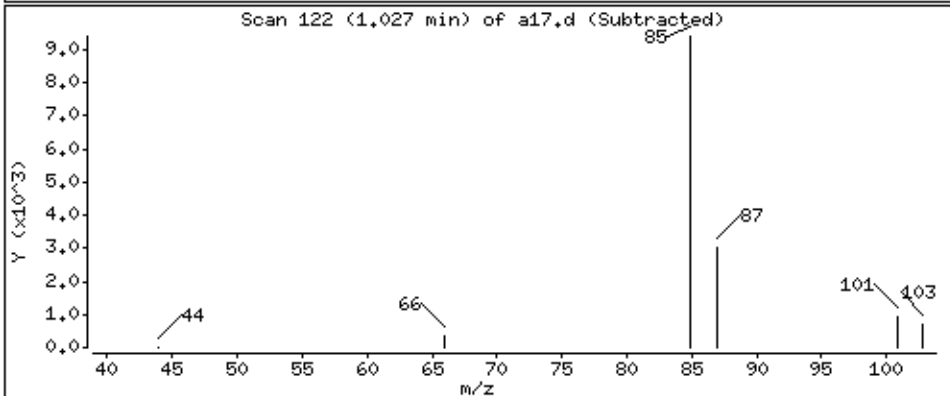
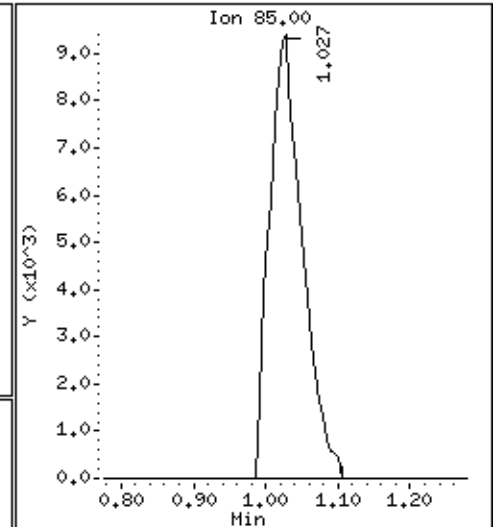
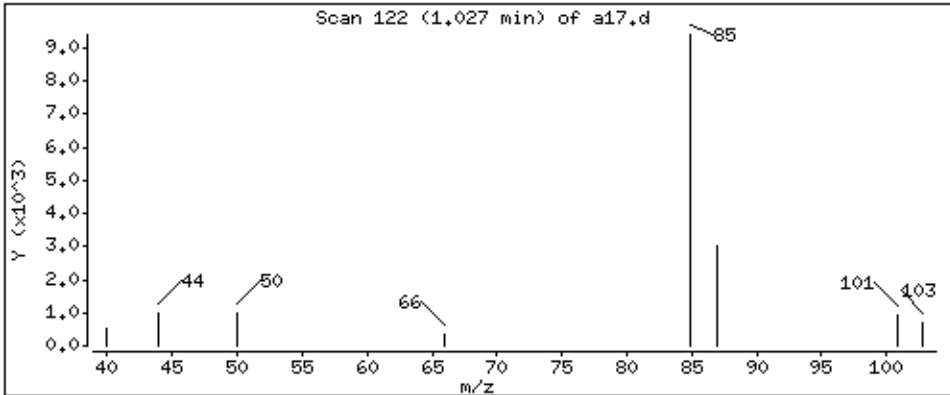
Column phase: DB-624

Column diameter: 0,18

1 Dichlorodifluoromethane

Concentration: 37,3 ppb

Review Code:



Date : 02-JUL-2014 18:43

Client ID: THW-5(12-14)HS

Instrument: 50mv3a.i

Sample Info: 1122048,71089;5

Operator: jlz

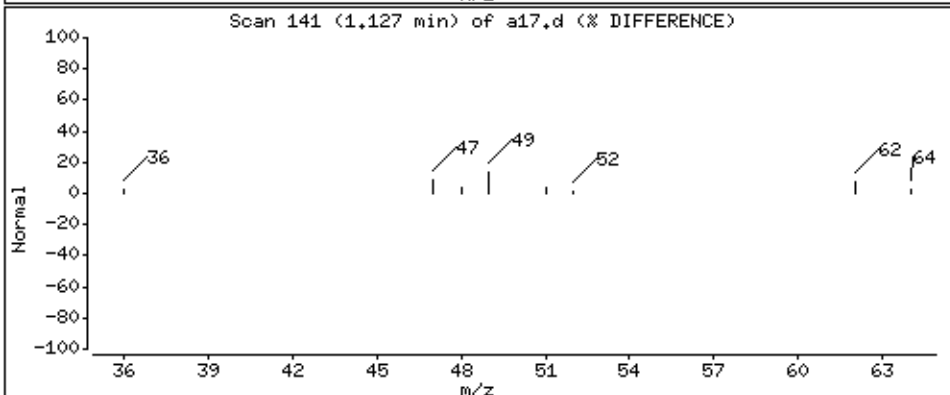
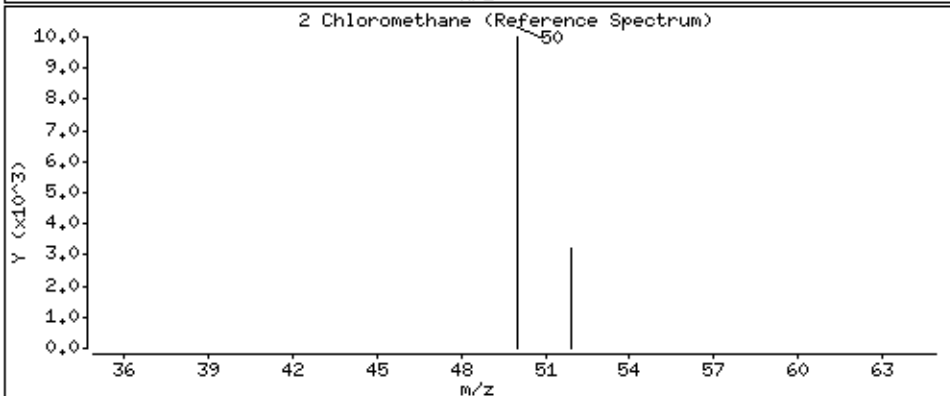
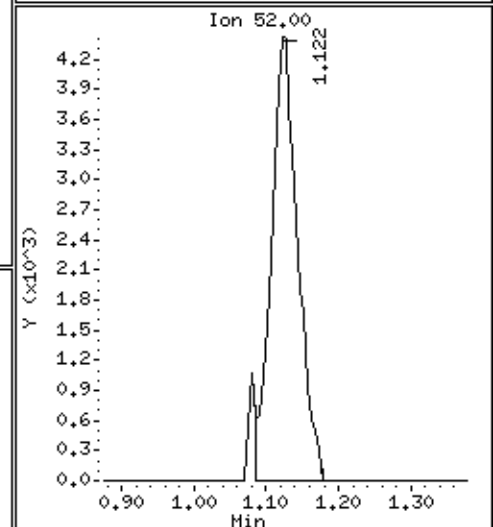
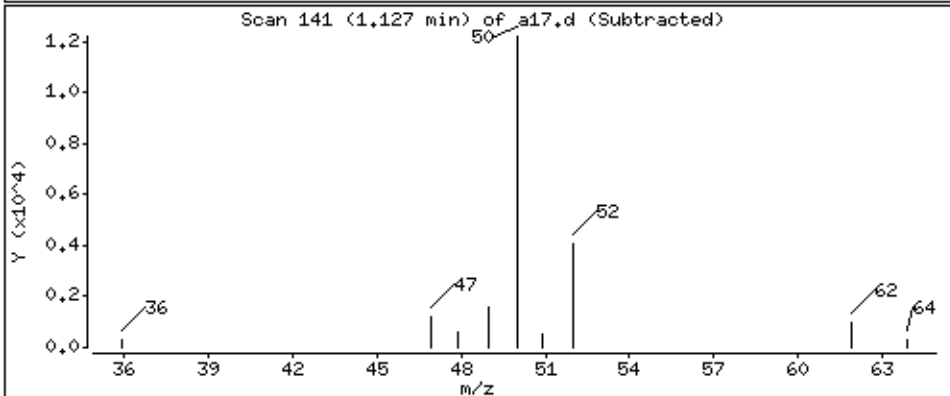
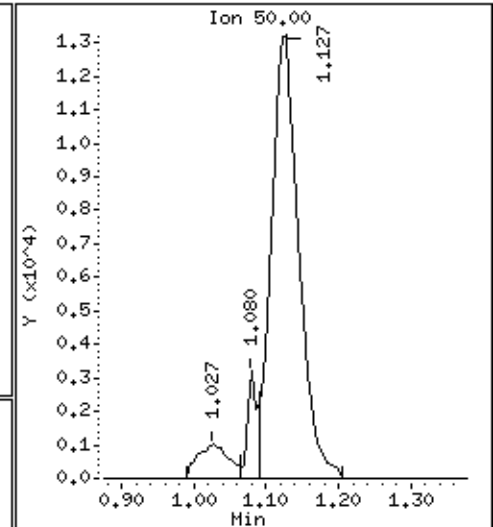
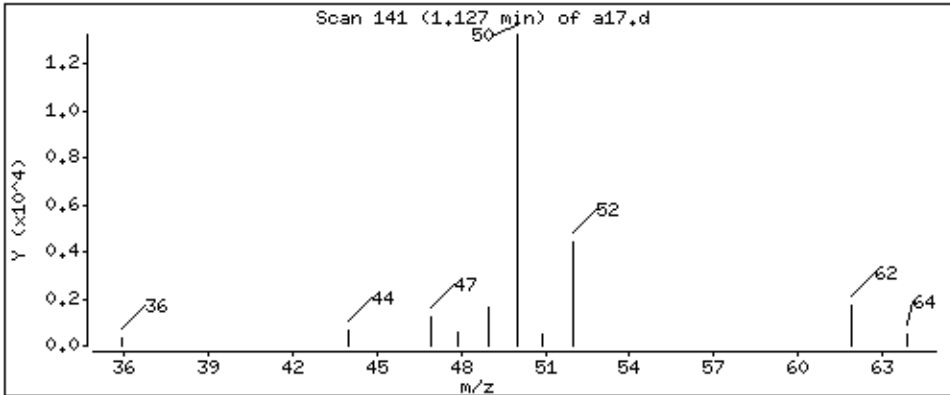
Column phase: DB-624

Column diameter: 0,18

2 Chloromethane

Concentration: 52.2 ppb

Review Code:



Date : 02-JUL-2014 18:43

Client ID: THW-5(12-14)HS

Instrument: 50mv3a.i

Sample Info: 1122048,71089;5

Operator: jlz

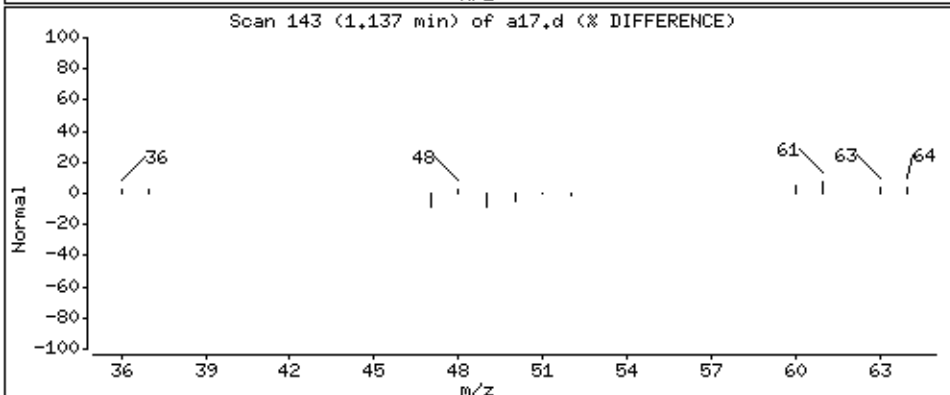
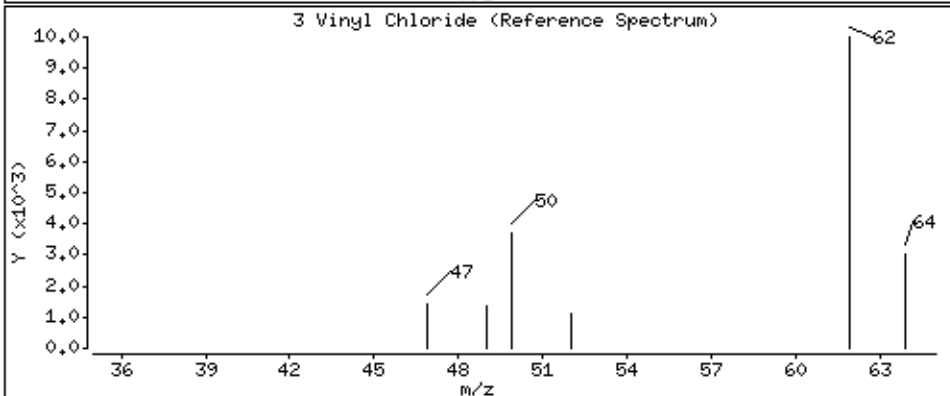
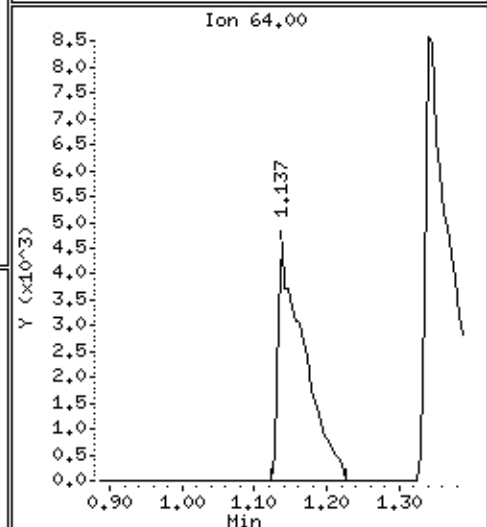
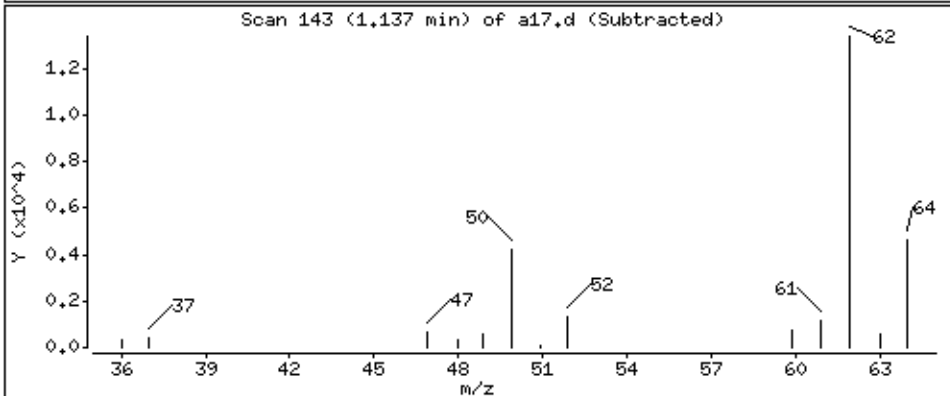
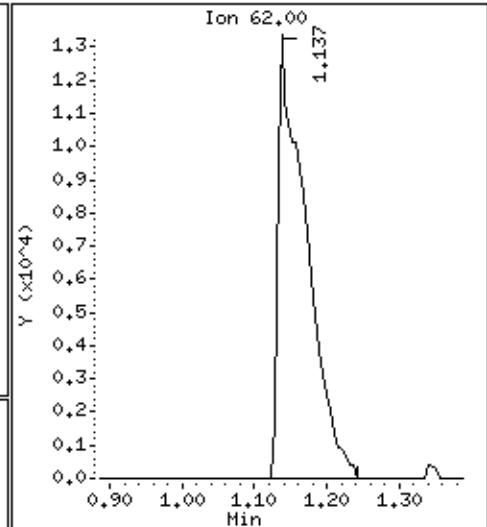
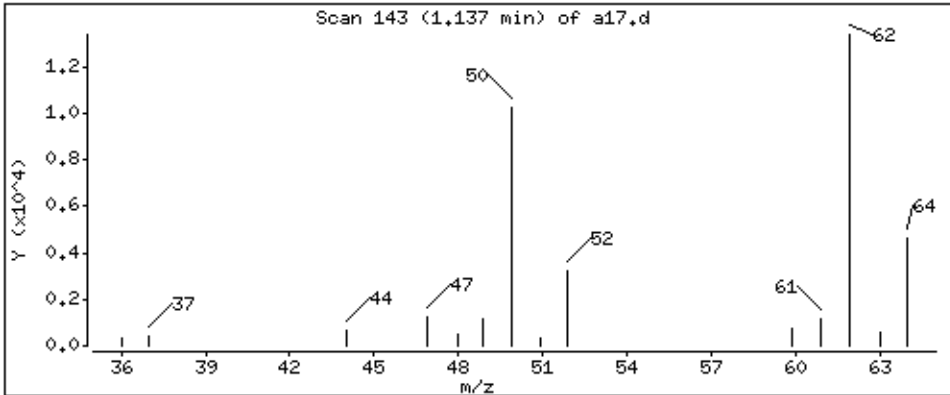
Column phase: DB-624

Column diameter: 0,18

3 Vinyl Chloride

Concentration: 54,3 ppb

Review Code:



Date : 02-JUL-2014 18:43

Client ID: THW-5(12-14)MS

Instrument: 50mv3a.i

Sample Info: 1122048,71089;5

Operator: jlz

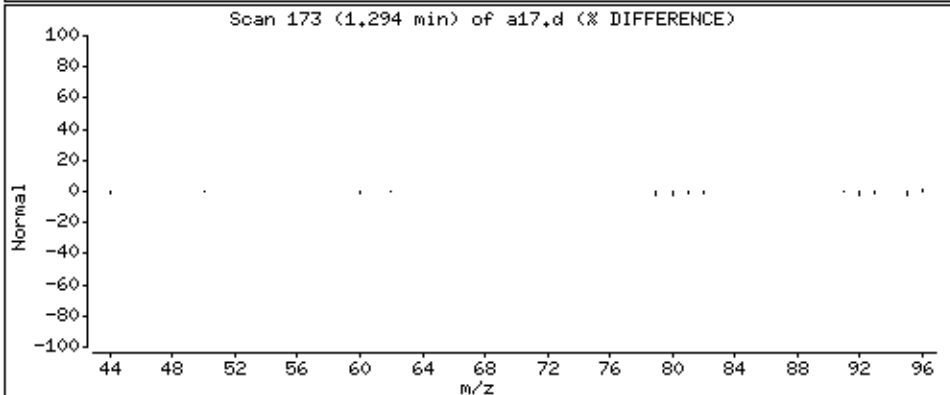
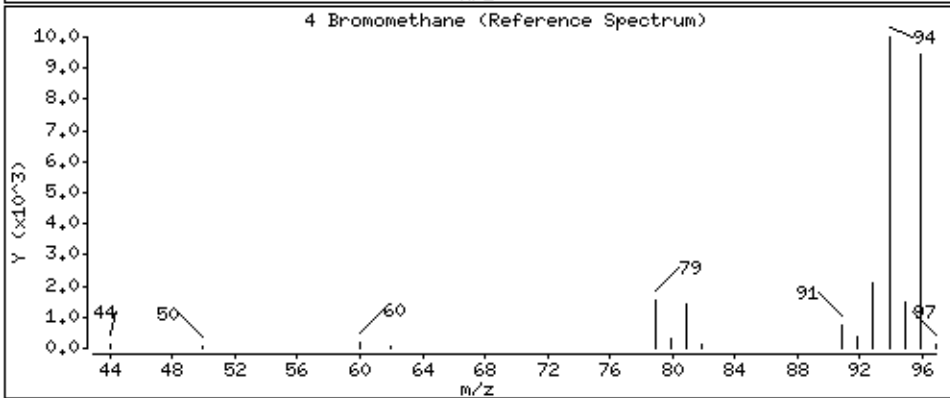
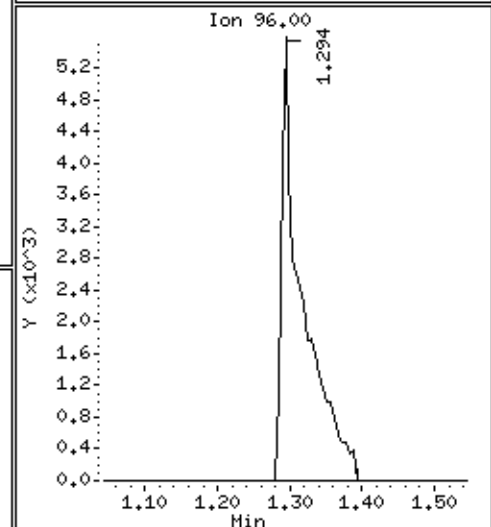
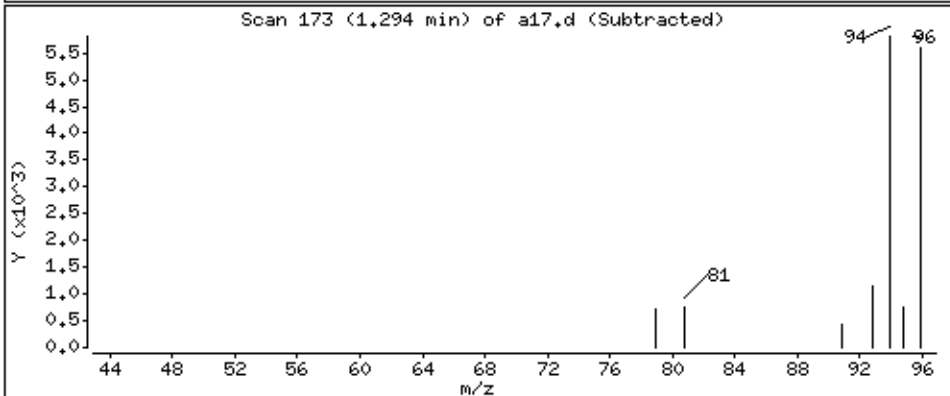
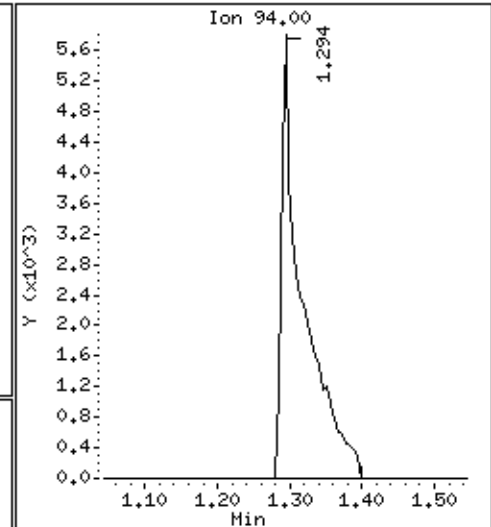
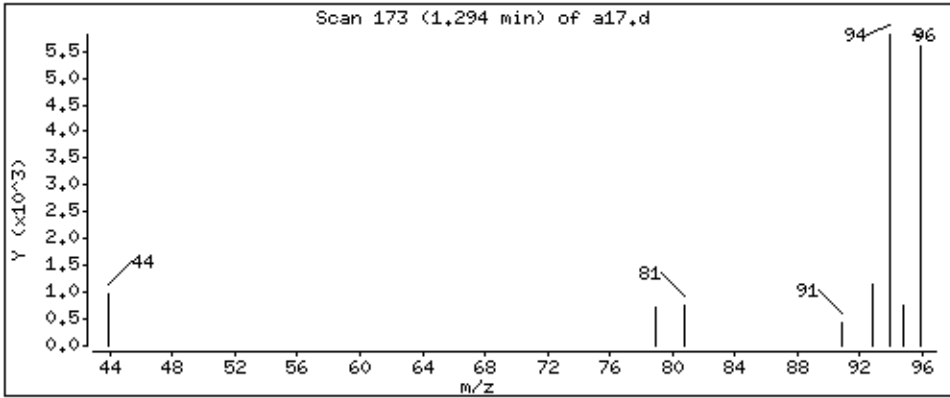
Column phase: DB-624

Column diameter: 0,18

4 Bromomethane

Concentration: 41.4 ppb

Review Code:



Date : 02-JUL-2014 18:43

Client ID: THW-5(12-14)MS

Instrument: 50mv3a.i

Sample Info: 1122048,71089;5

Operator: jlz

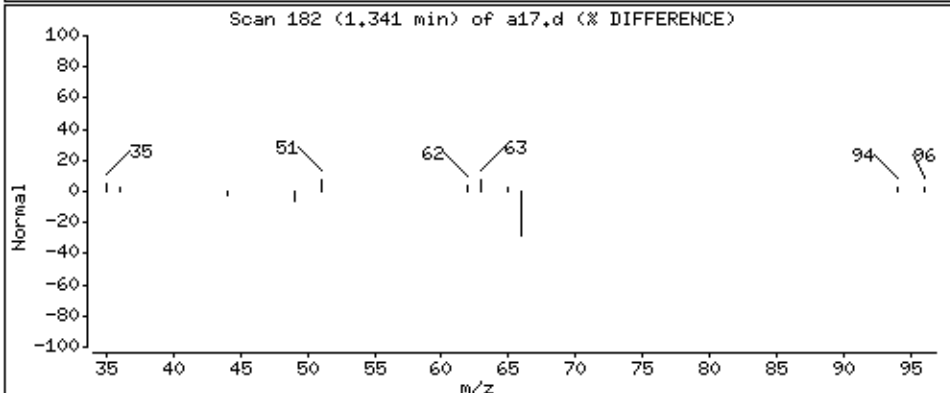
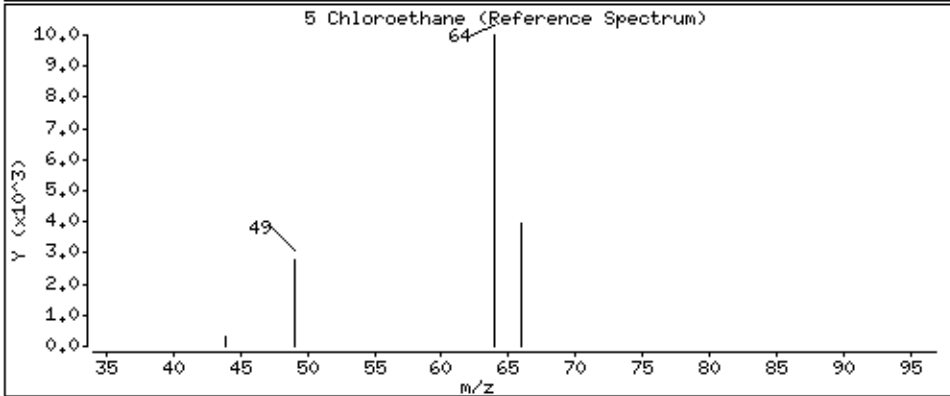
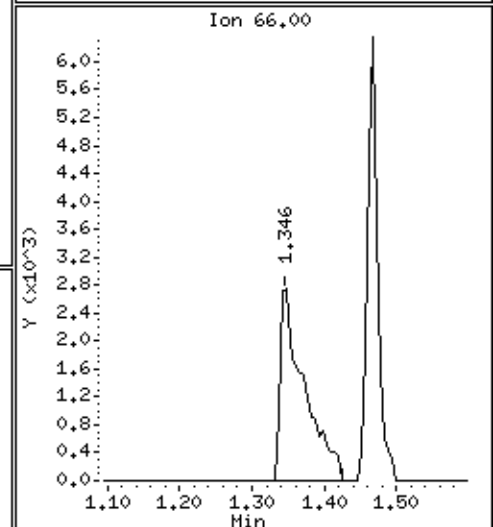
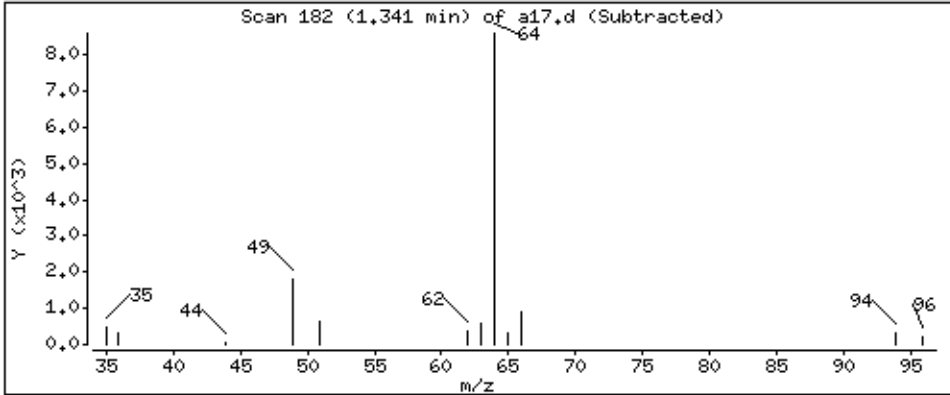
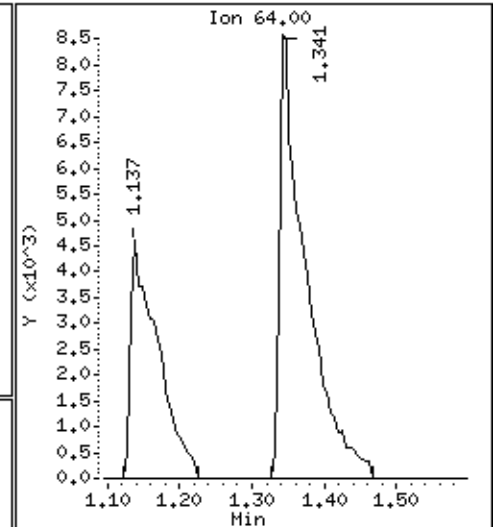
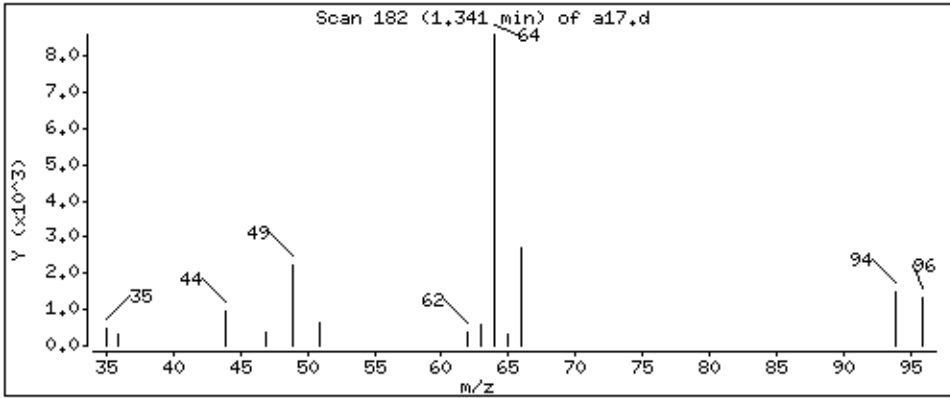
Column phase: DB-624

Column diameter: 0,18

5 Chloroethane

Concentration: 56,8 ppb

Review Code:



Date : 02-JUL-2014 18:43

Client ID: THW-5(12-14)MS

Instrument: 50mw3a.i

Sample Info: 1122048,71089;5

Operator: jlz

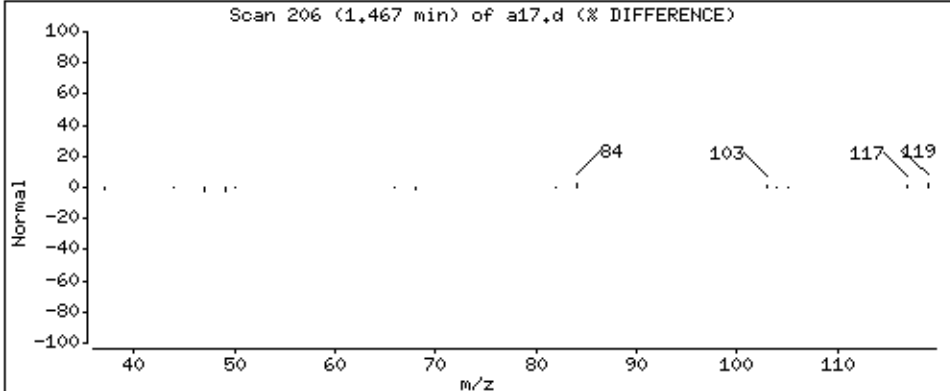
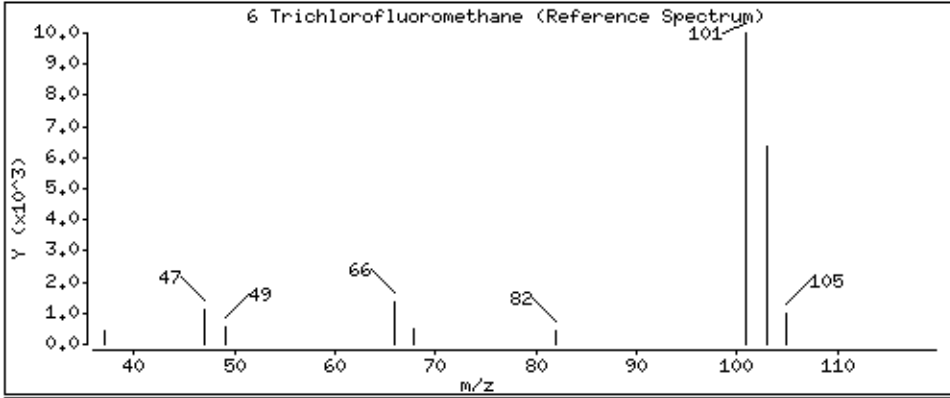
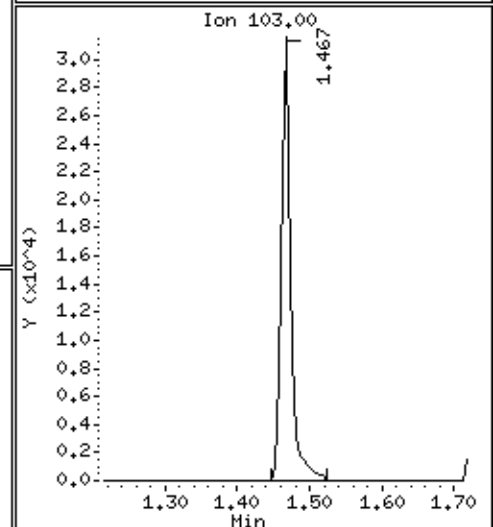
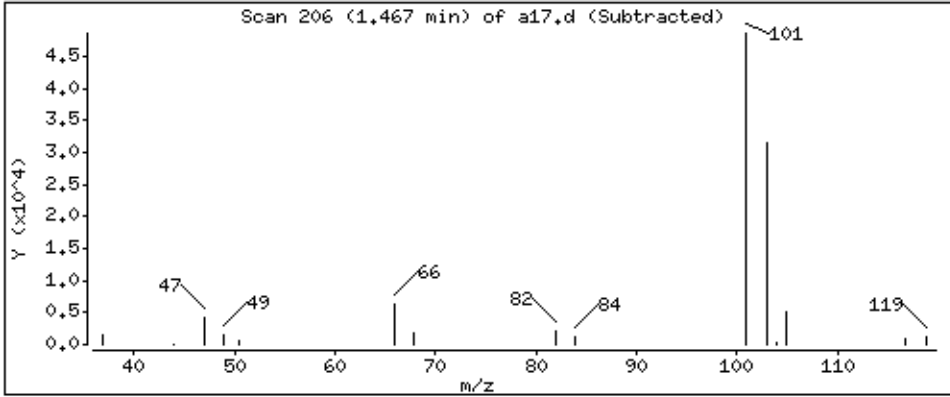
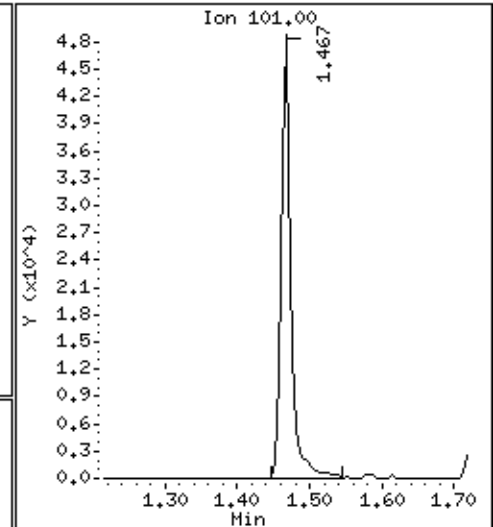
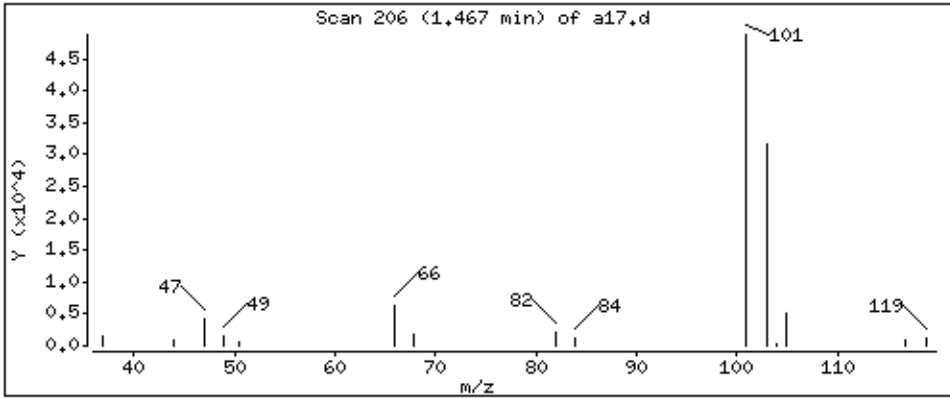
Column phase: DB-624

Column diameter: 0,18

6 Trichlorofluoromethane

Concentration: 46,2 ppb

Review Code:



Date : 02-JUL-2014 18:43

Client ID: THW-5(12-14)MS

Instrument: 50mv3a.i

Sample Info: 1122048,71089;5

Operator: jlz

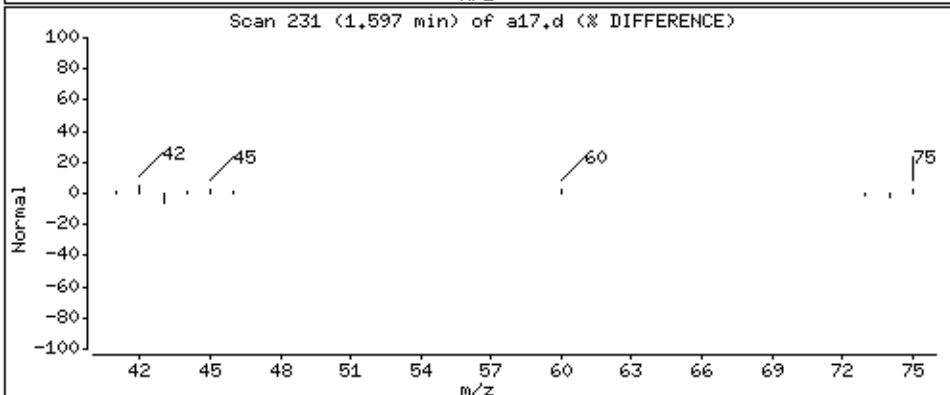
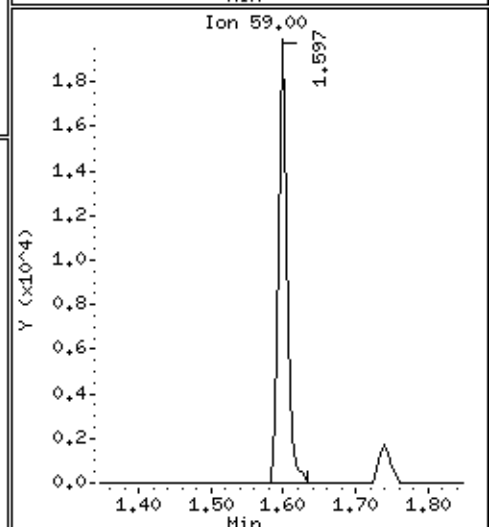
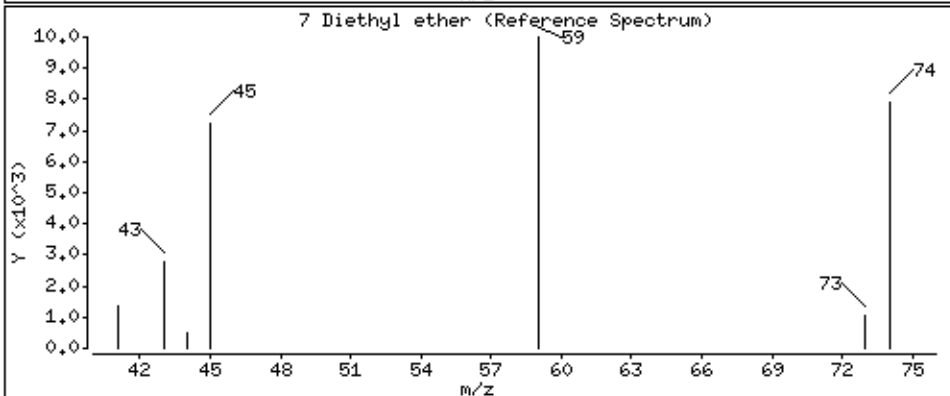
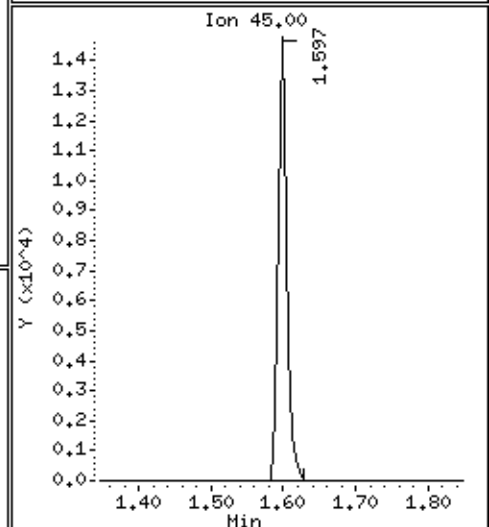
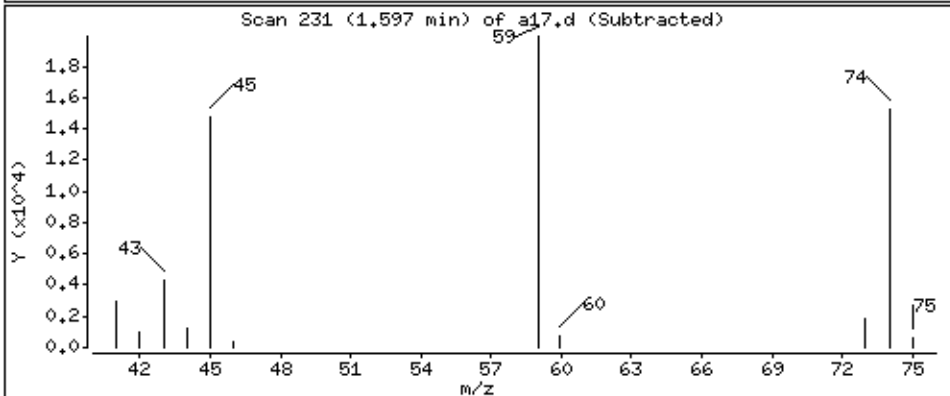
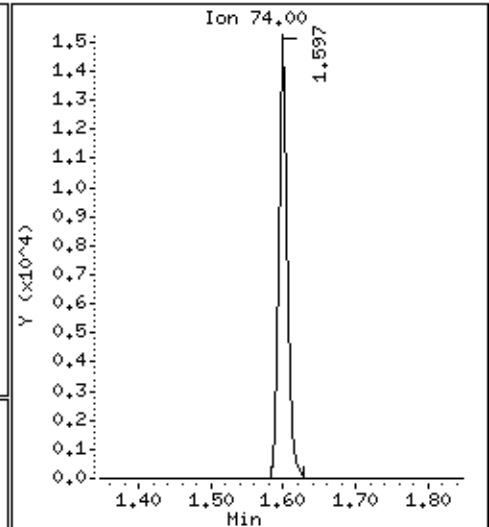
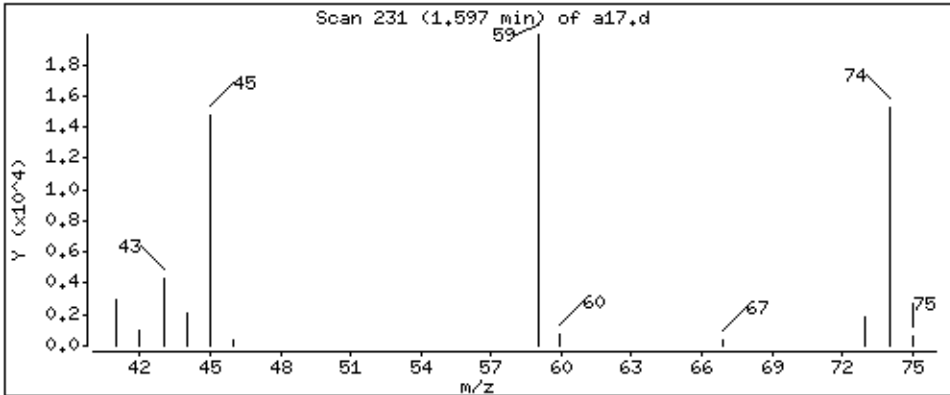
Column phase: DB-624

Column diameter: 0,18

7 Diethyl ether

Concentration: 51.8 ppb

Review Code:



Date : 02-JUL-2014 18:43

Client ID: THW-5(12-14)MS

Instrument: 50mv3a.i

Sample Info: 1122048,71089;5

Operator: jlz

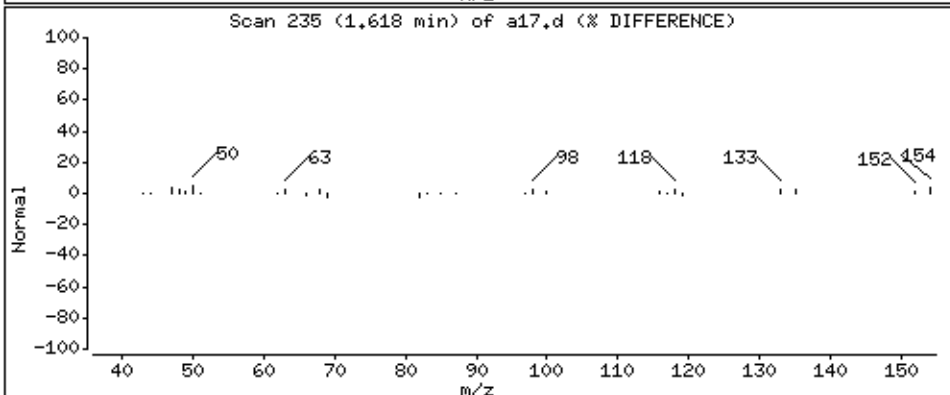
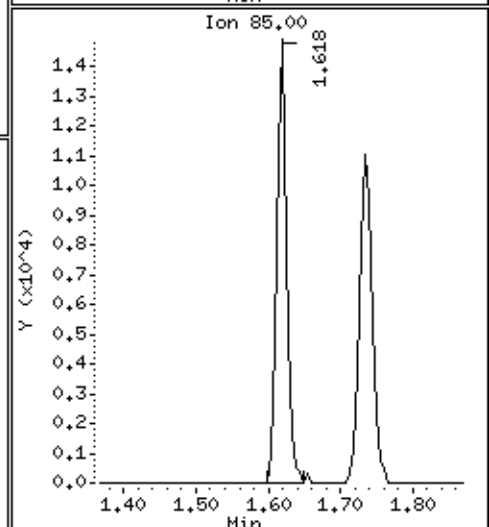
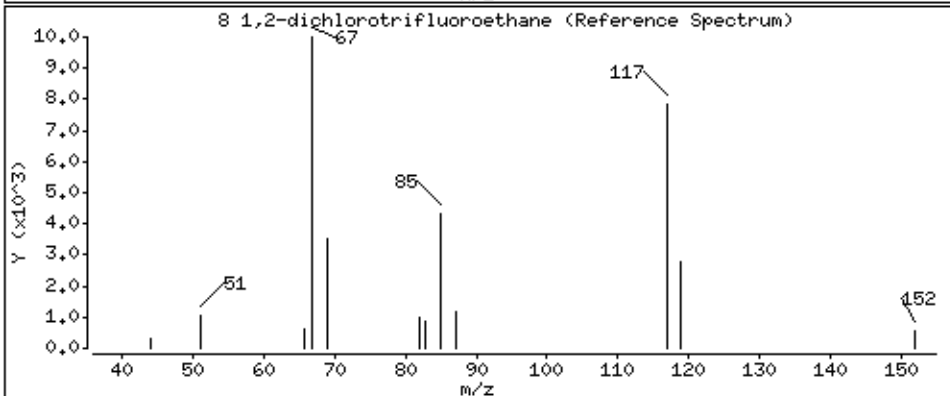
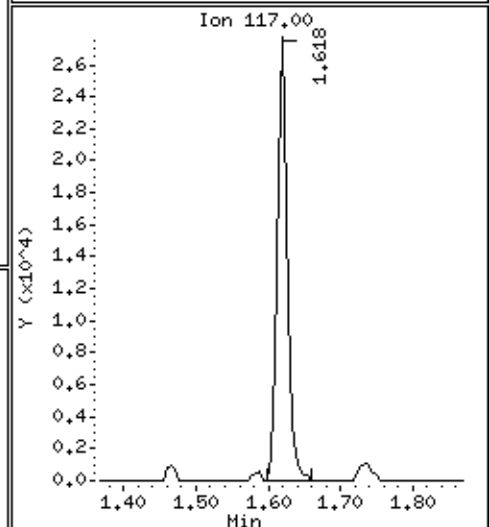
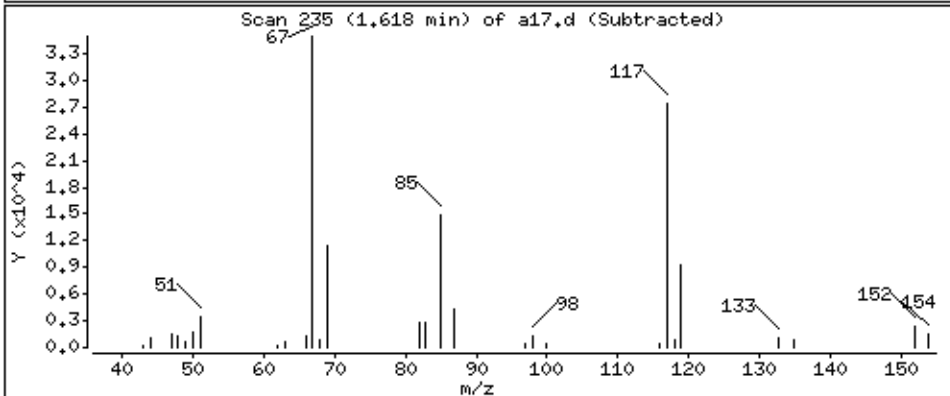
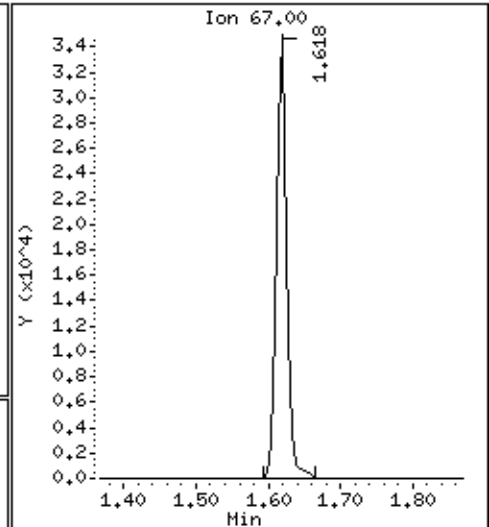
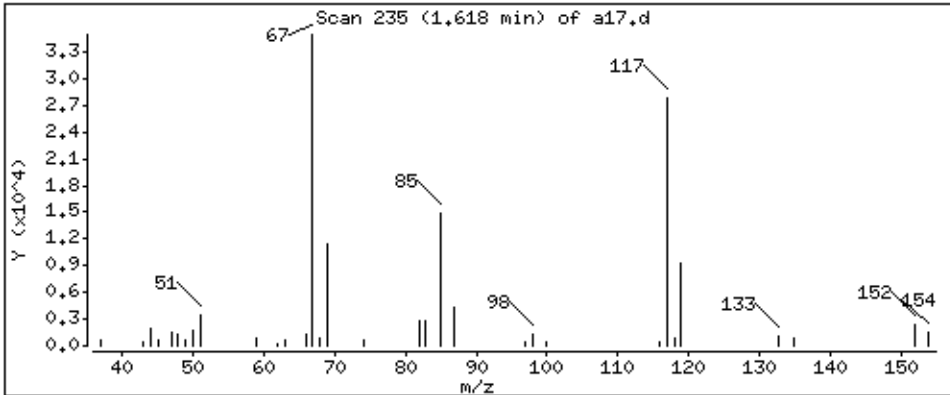
Column phase: DB-624

Column diameter: 0,18

8 1,2-dichlorotrifluoroethane

Concentration: 48,1 ppb

Review Code:



Date : 02-JUL-2014 18:43

Client ID: THW-5(12-14)MS

Instrument: 50mv3a.i

Sample Info: 1122048,71089;5

Operator: jlz

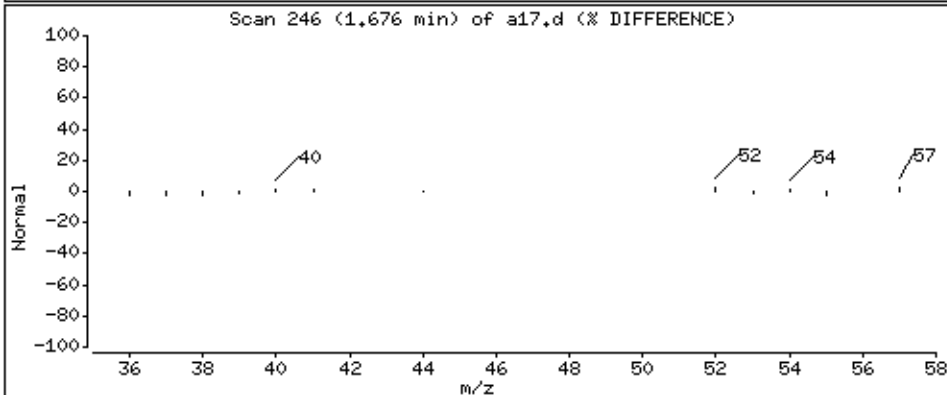
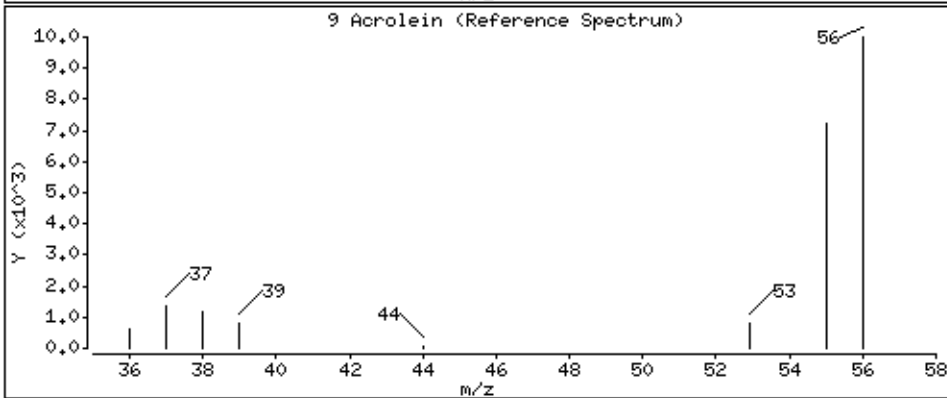
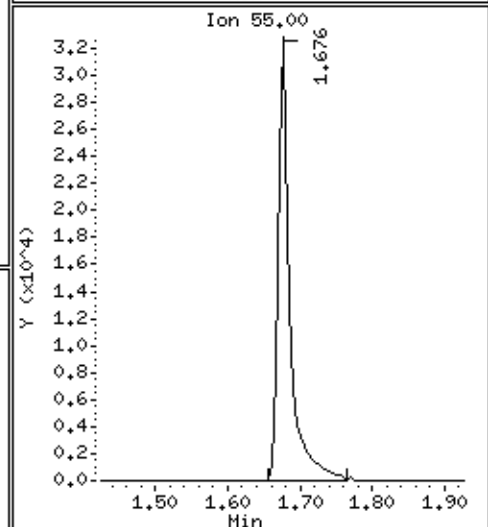
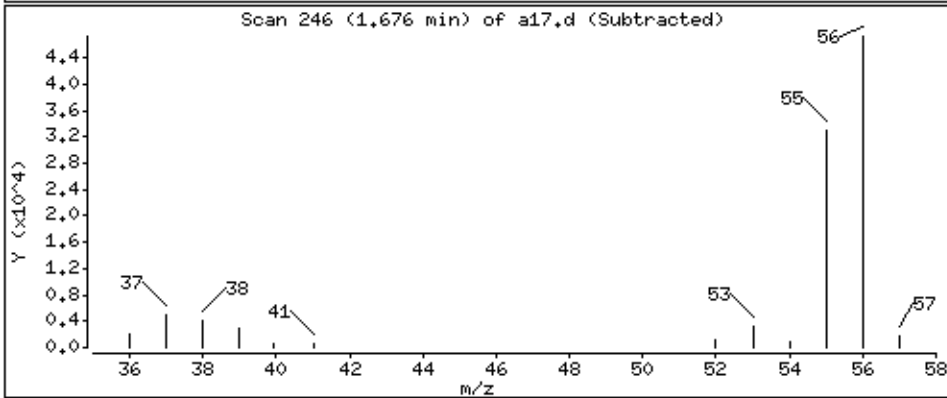
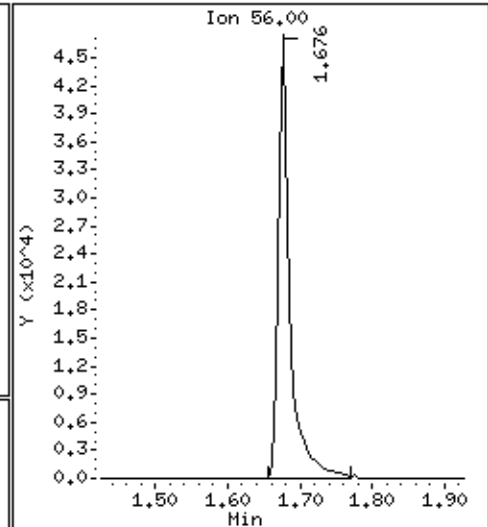
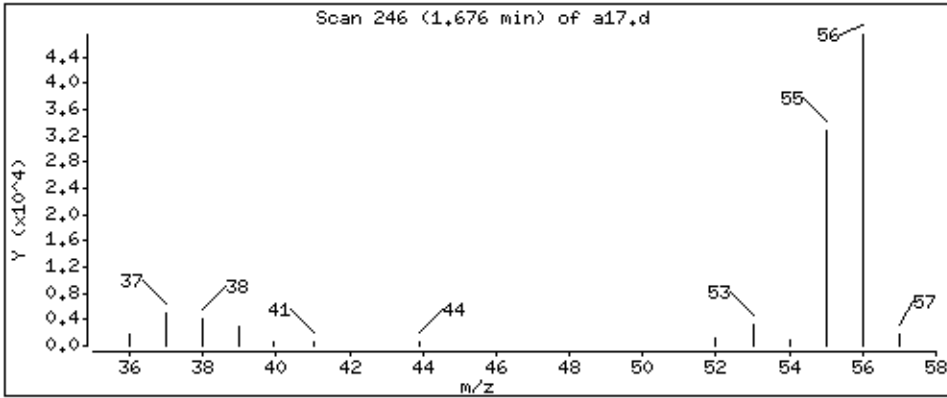
Column phase: DB-624

Column diameter: 0,18

9 Acrolein

Concentration: 1440 ppb

Review Code:



Date : 02-JUL-2014 18:43

Client ID: THW-5(12-14)MS

Instrument: 50mv3a.i

Sample Info: 1122048,71089;5

Operator: jlz

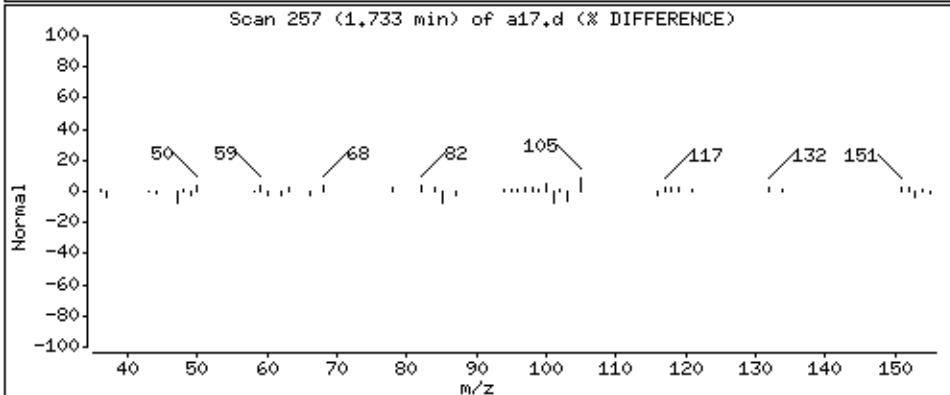
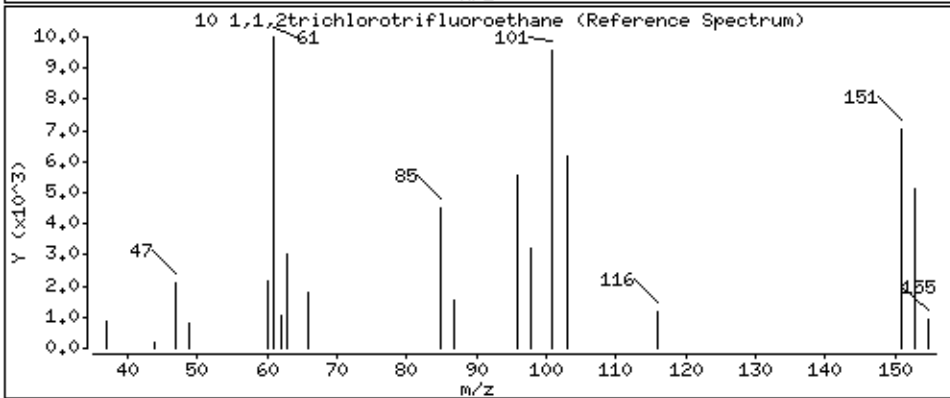
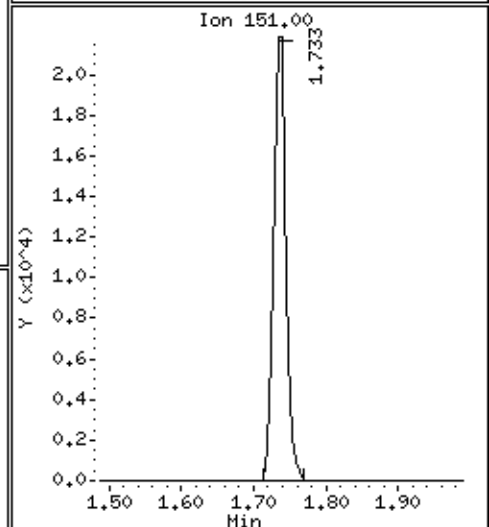
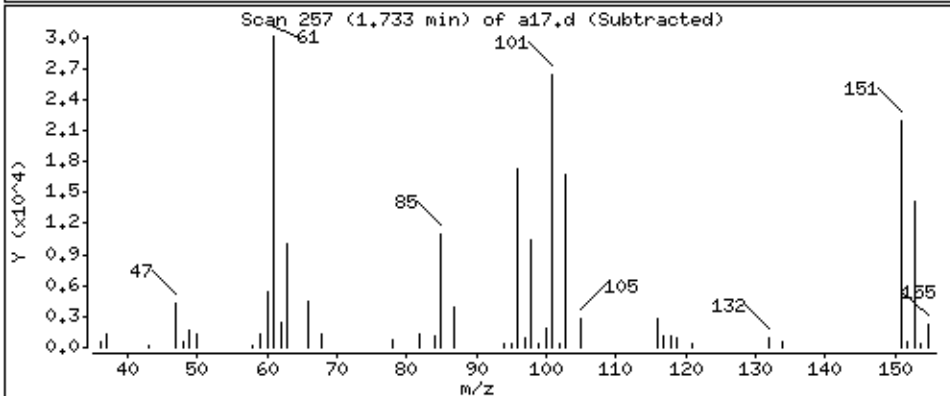
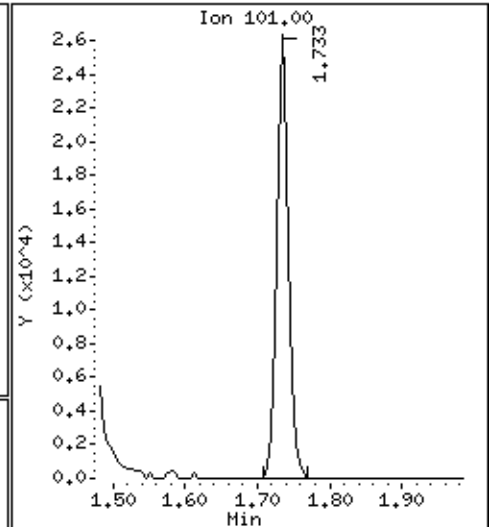
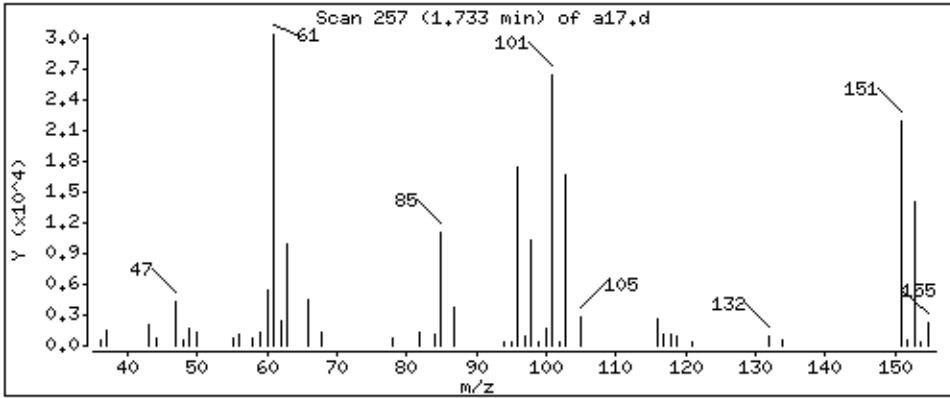
Column phase: DB-624

Column diameter: 0,18

10 1,1,2trichlorotrifluoroethane

Concentration: 48,9 ppb

Review Code:



Date : 02-JUL-2014 18:43

Client ID: THW-5(12-14)MS

Instrument: 50mv3a.i

Sample Info: 1122048,71089;5

Operator: jlz

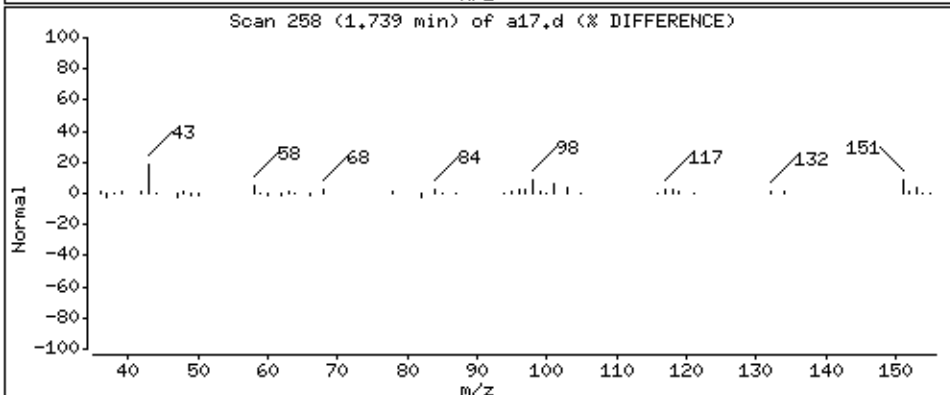
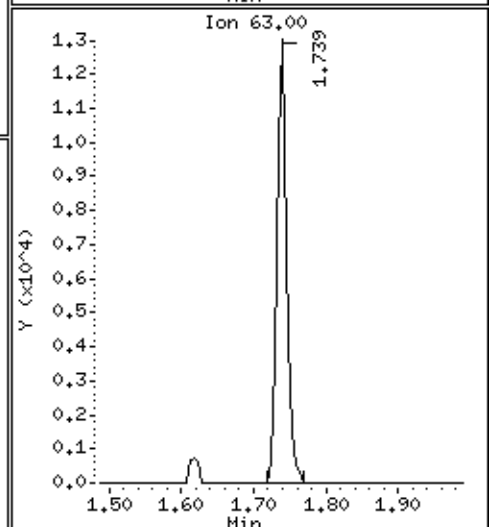
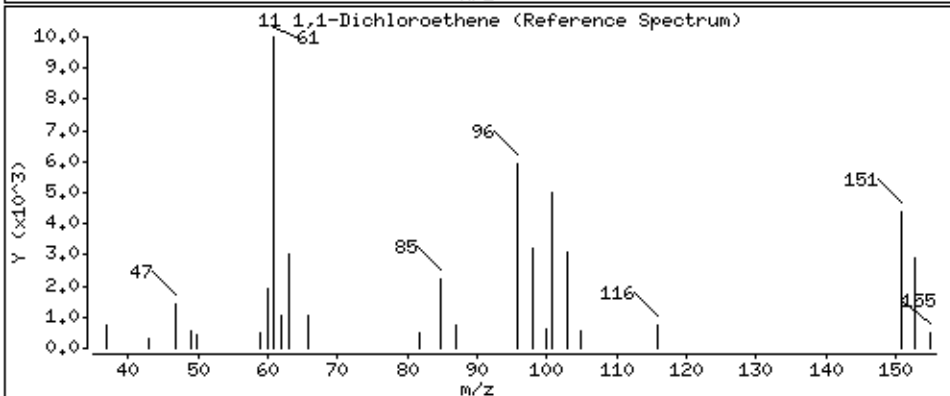
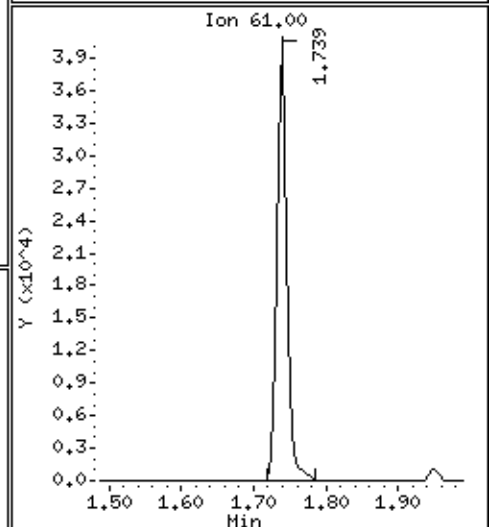
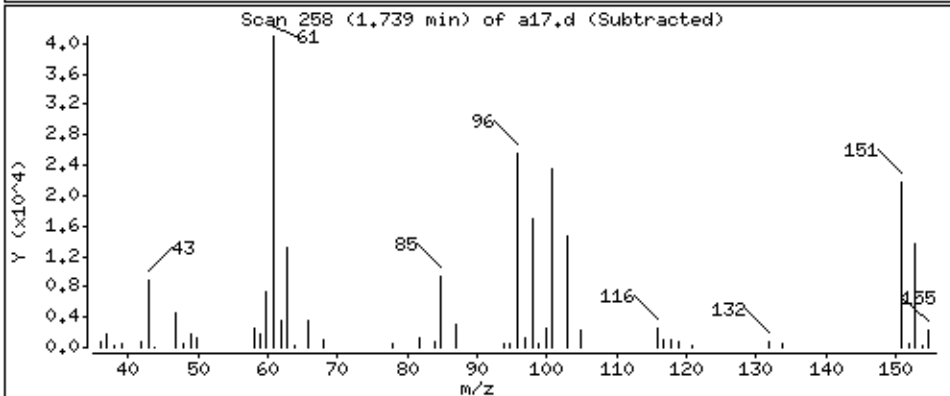
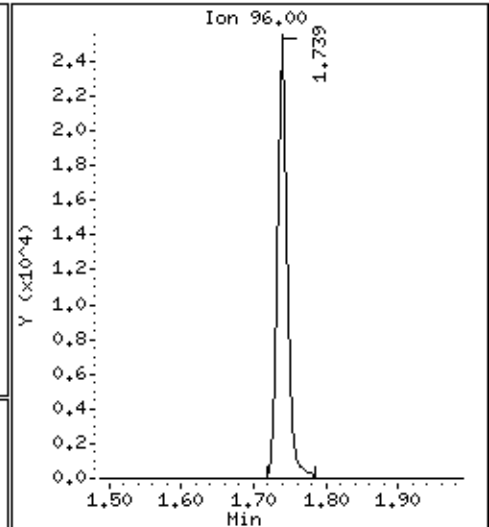
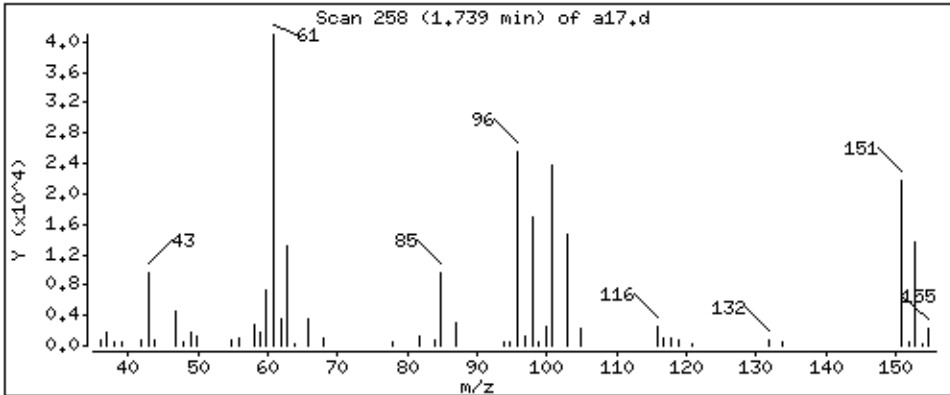
Column phase: DB-624

Column diameter: 0,18

11 1,1-Dichloroethene

Concentration: 46,5 ppb

Review Code:



Date : 02-JUL-2014 18:43

Client ID: THW-5(12-14)MS

Instrument: 50mv3a.i

Sample Info: 1122048,71089;5

Operator: jlz

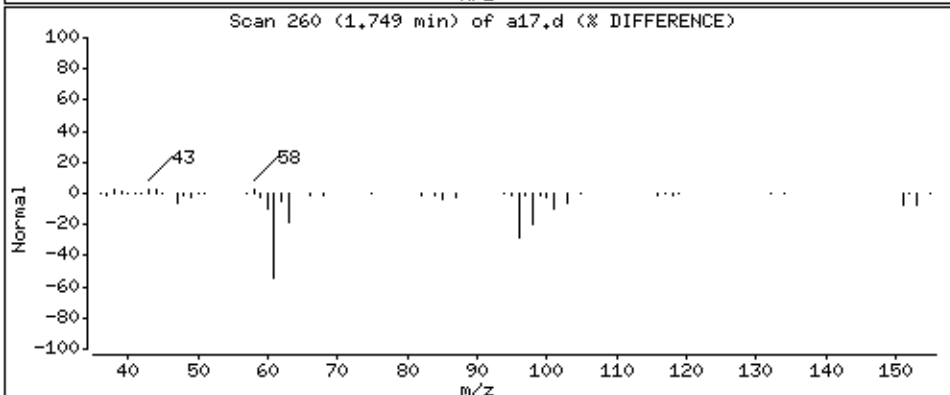
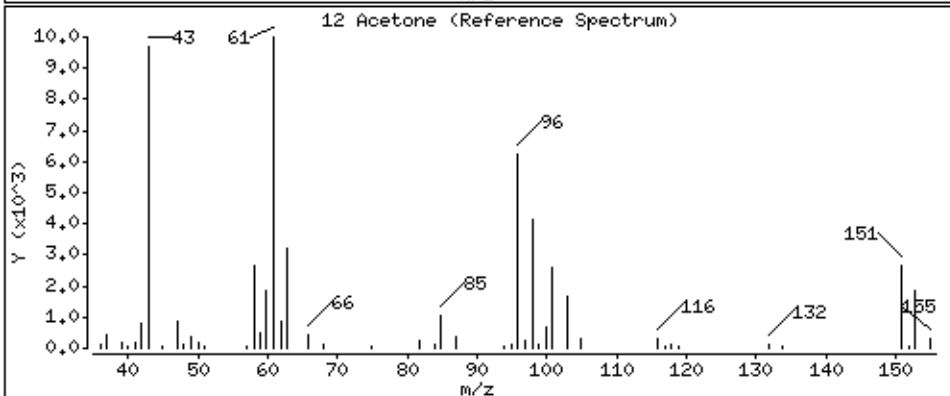
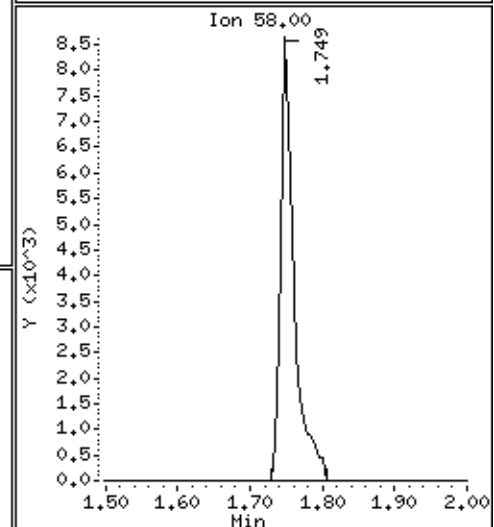
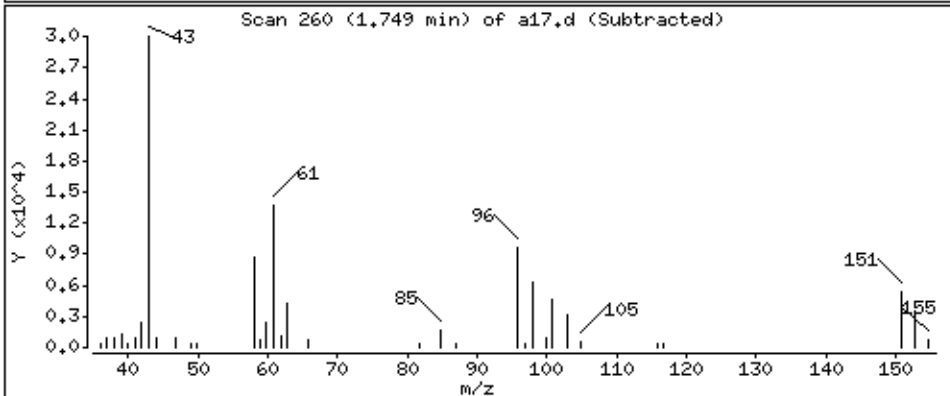
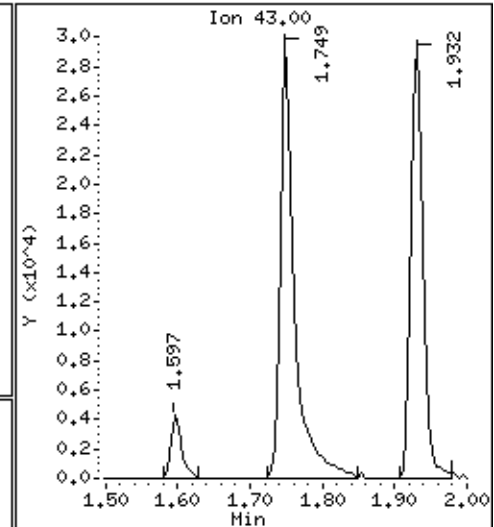
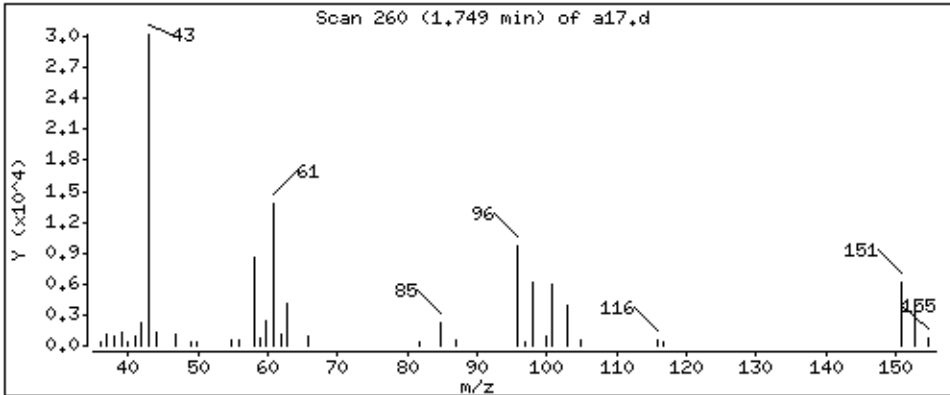
Column phase: DB-624

Column diameter: 0,18

12 Acetone

Concentration: 472 ppb

Review Code:



Date : 02-JUL-2014 18:43

Client ID: THW-5(12-14)MS

Instrument: 50mv3a.i

Sample Info: 1122048,71089;5

Operator: jlz

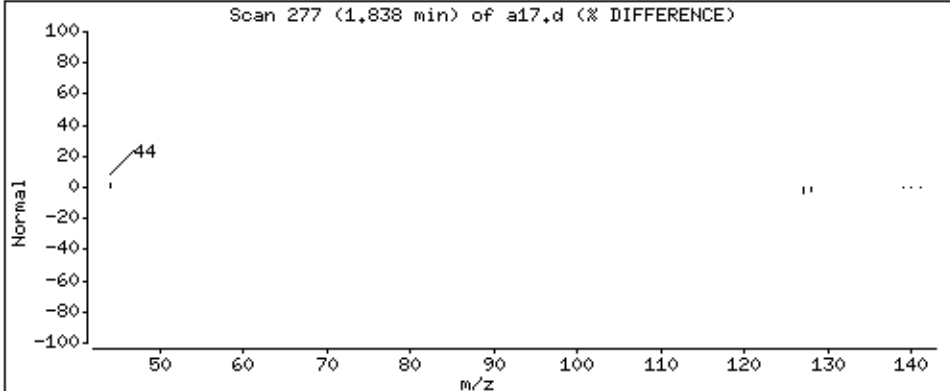
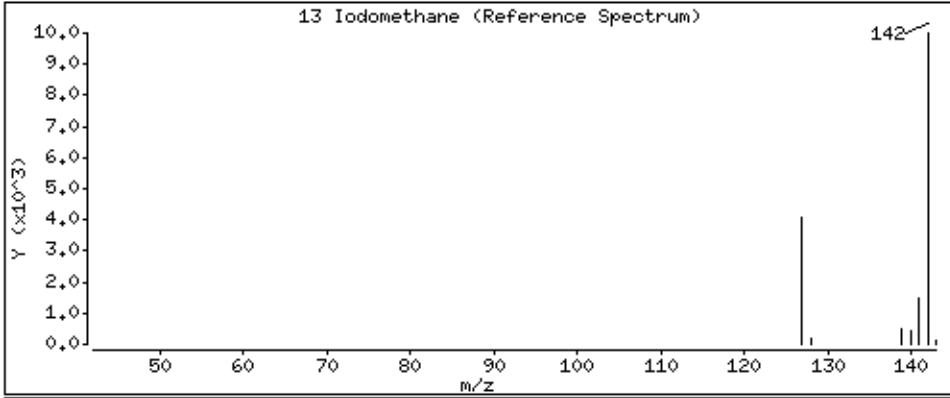
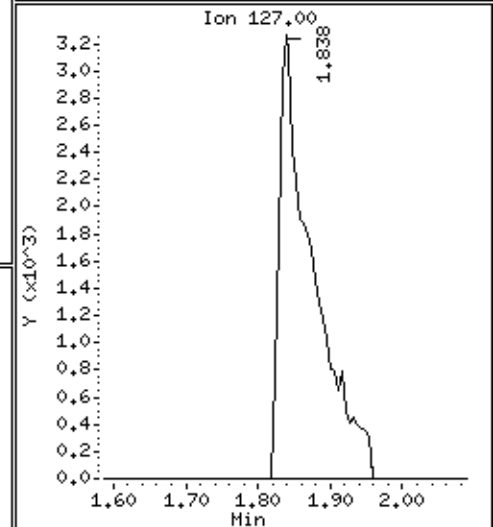
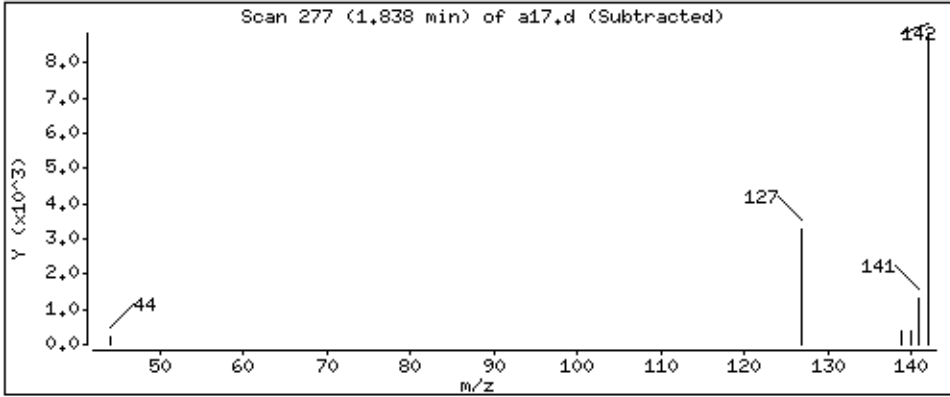
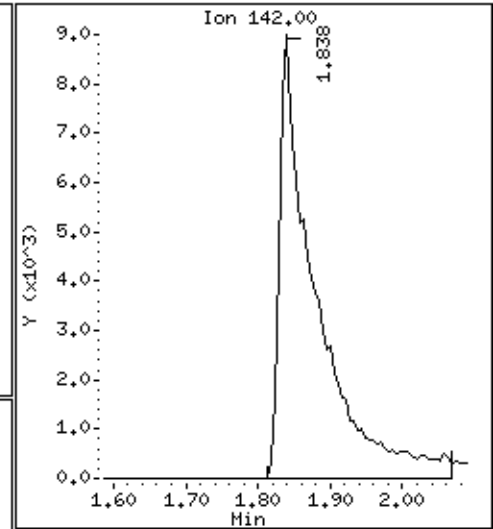
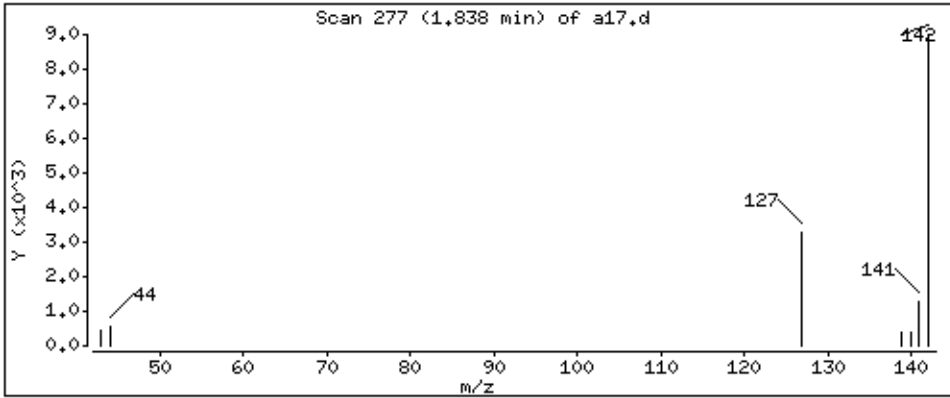
Column phase: DB-624

Column diameter: 0,18

13 Iodomethane

Concentration: 88,2 ppb

Review Code:



Date : 02-JUL-2014 18:43

Client ID: THW-5(12-14)MS

Instrument: 50mv3a.i

Sample Info: 1122048,71089;5

Operator: jlz

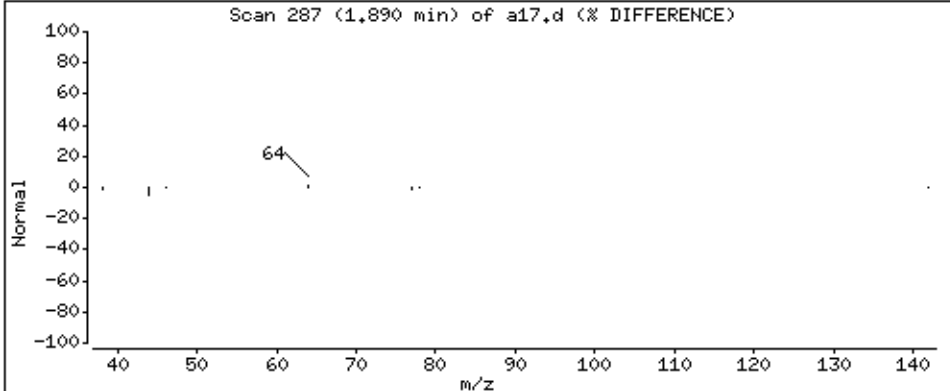
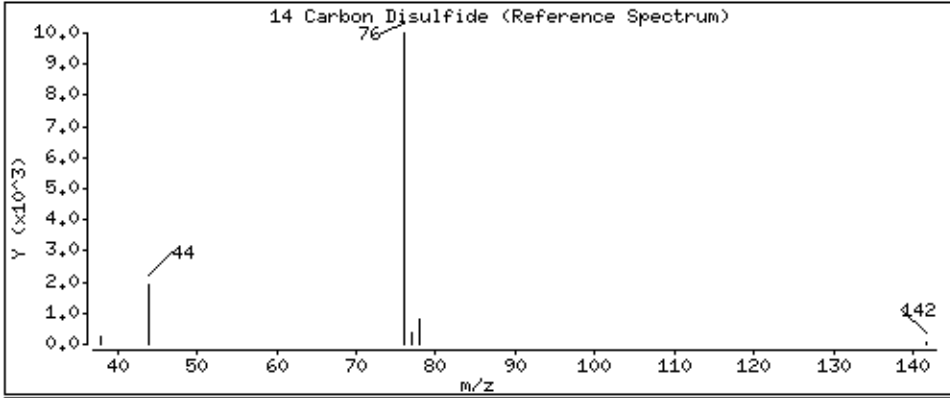
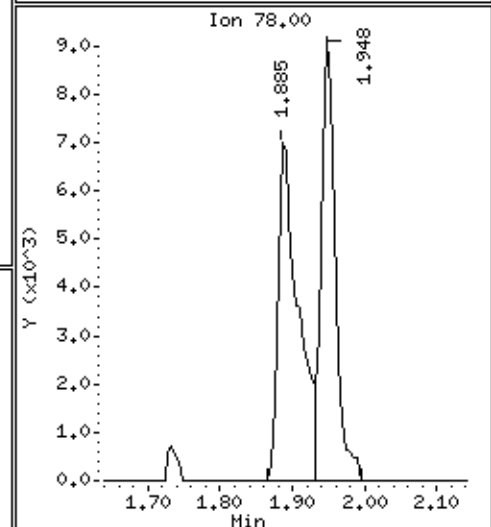
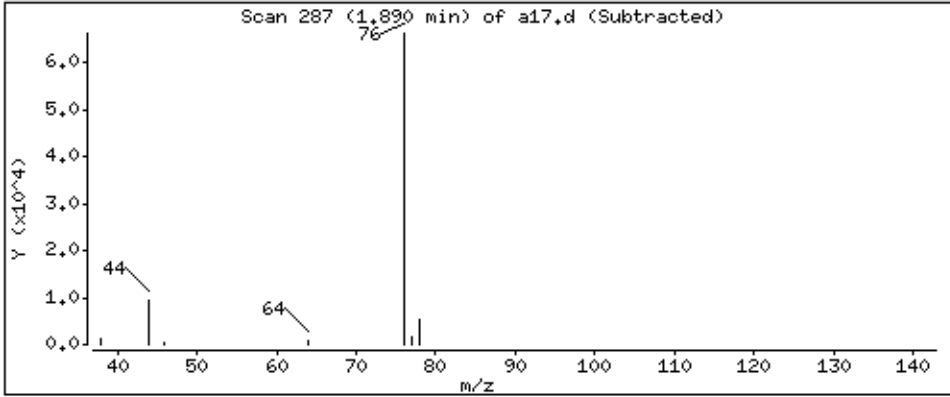
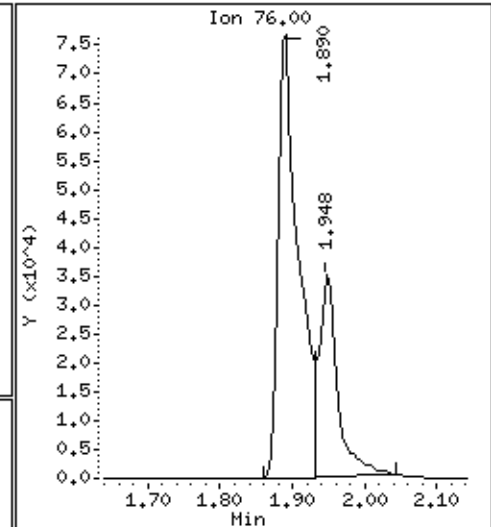
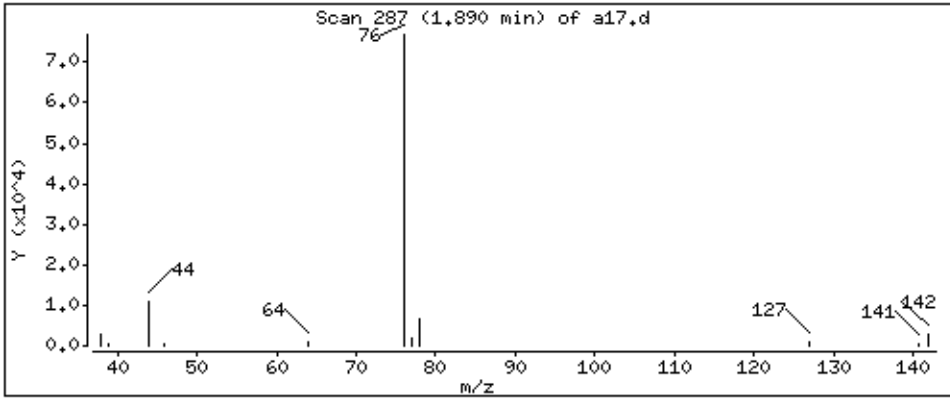
Column phase: DB-624

Column diameter: 0,18

14 Carbon Disulfide

Concentration: 95,9 ppb

Review Code:



Date : 02-JUL-2014 18:43

Client ID: THW-5(12-14)HS

Instrument: 50mw3a.i

Sample Info: 1122048,71089;5

Operator: jlz

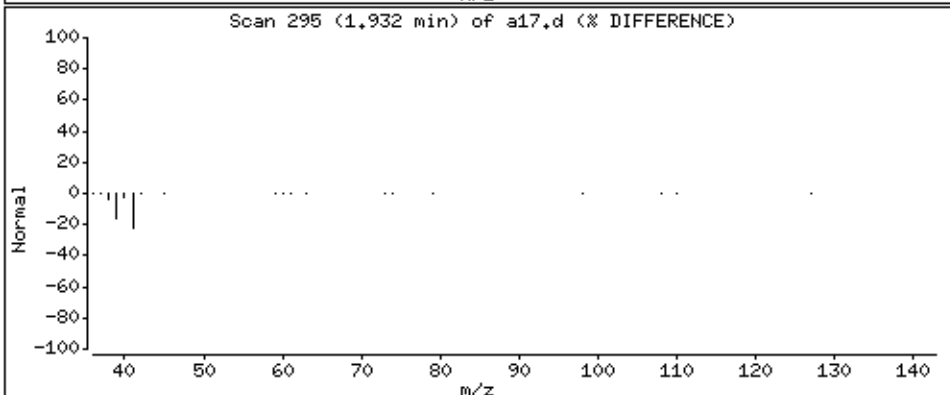
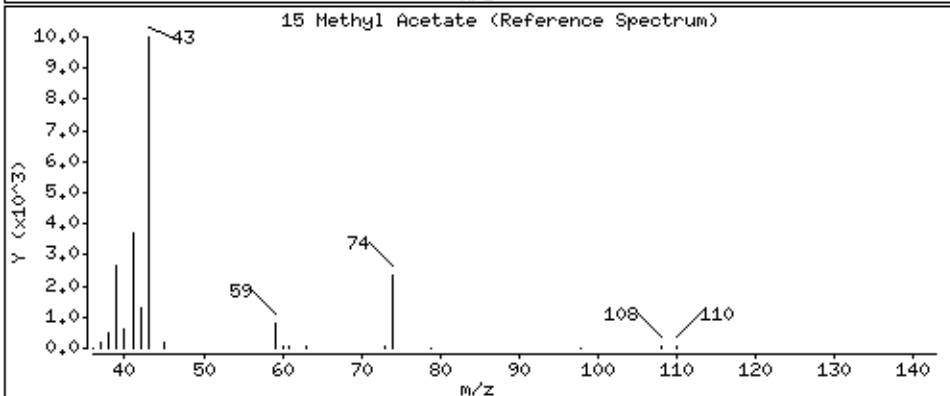
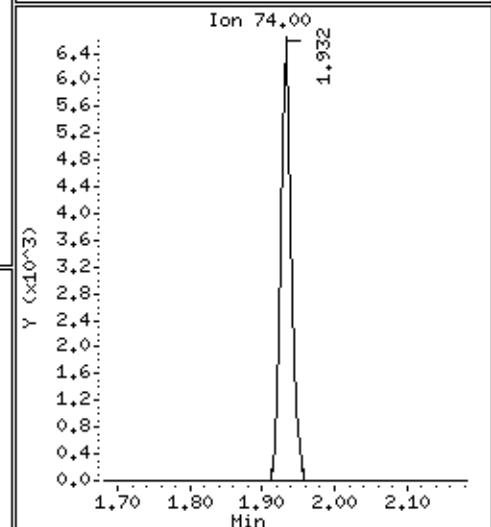
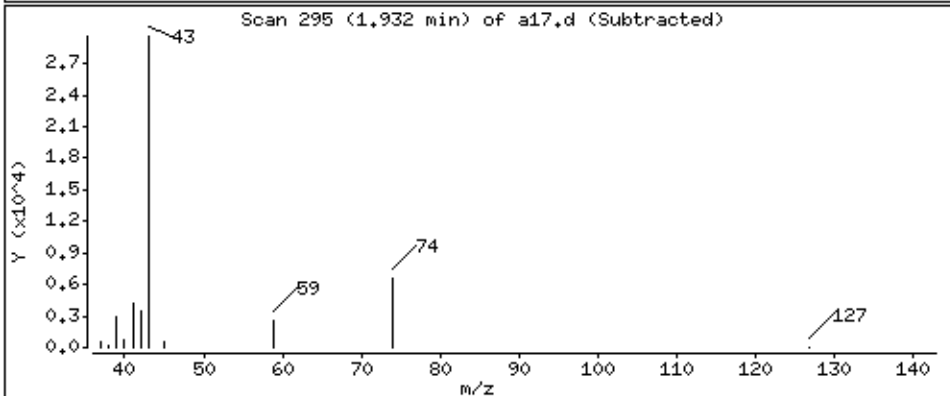
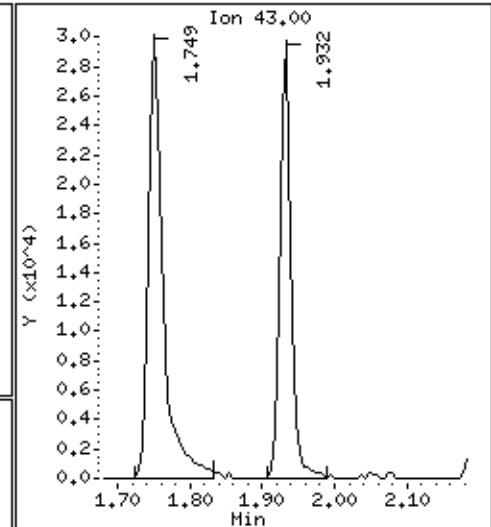
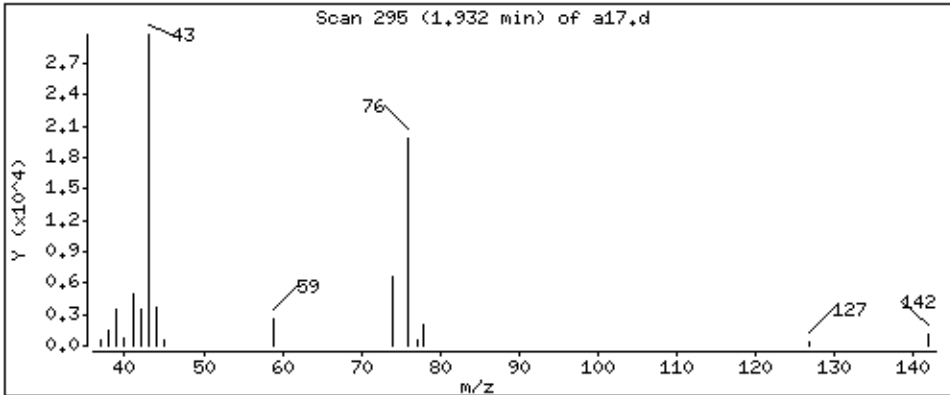
Column phase: DB-624

Column diameter: 0,18

15 Methyl Acetate

Concentration: 146 ppb

Review Code:



Date : 02-JUL-2014 18:43

Client ID: THW-5(12-14)MS

Instrument: 50mv3a.i

Sample Info: 1122048,71089;5

Operator: jlz

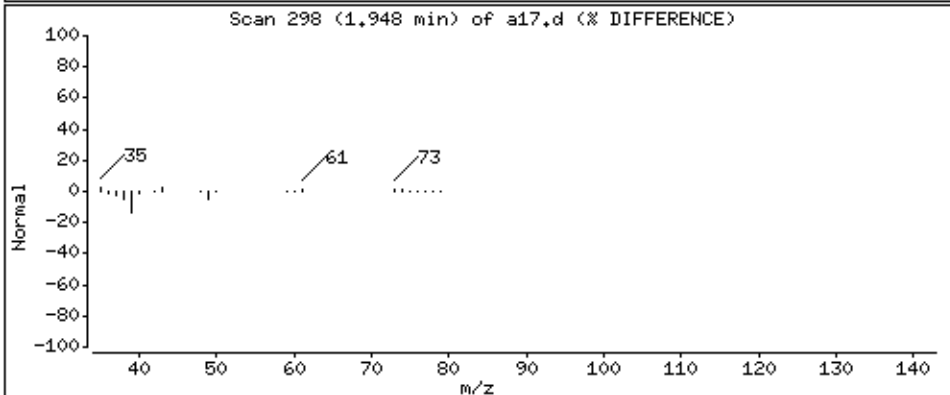
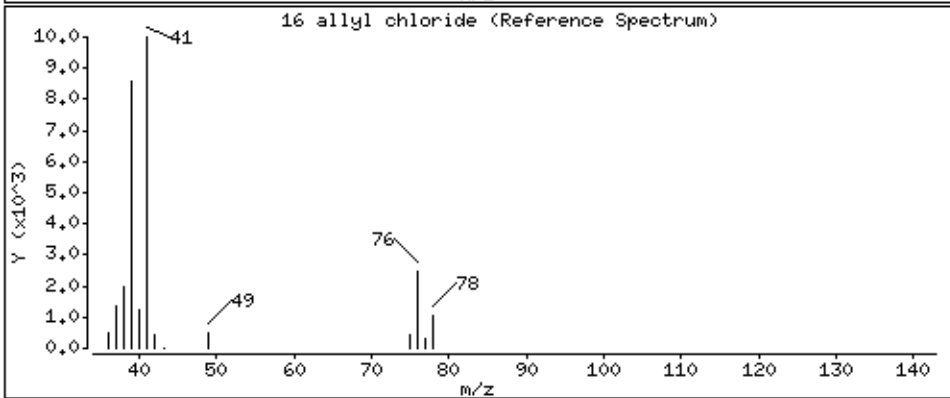
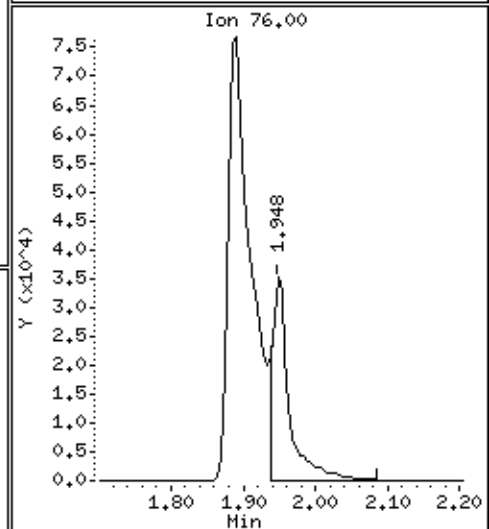
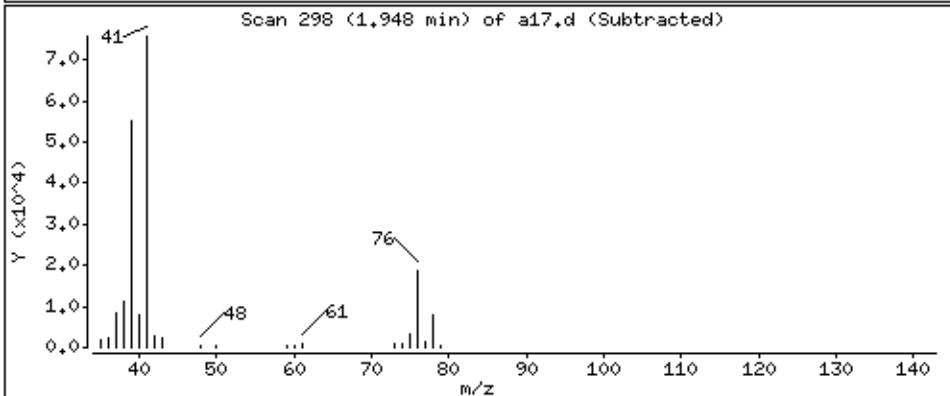
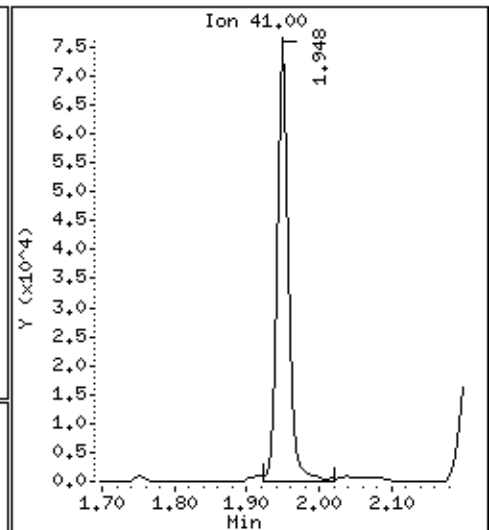
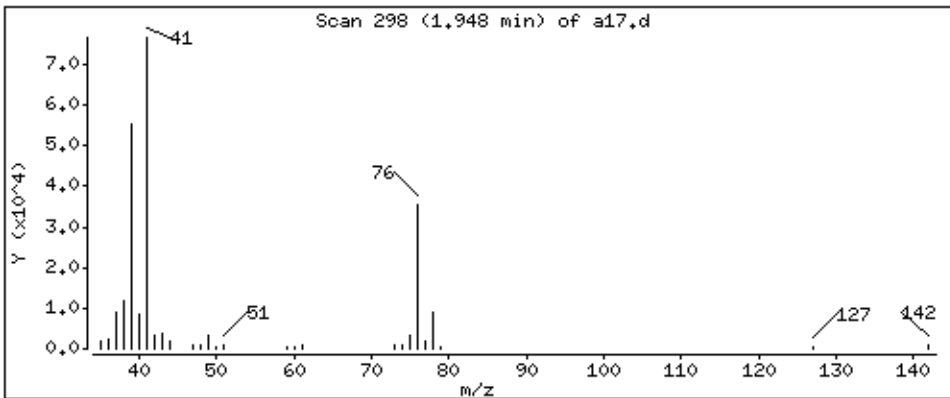
Column phase: DB-624

Column diameter: 0,18

16 allyl chloride

Concentration: 100 ppb

Review Code:



Date : 02-JUL-2014 18:43

Client ID: THW-5(12-14)MS

Instrument: 50mv3a.i

Sample Info: 1122048,71089;5

Operator: jlz

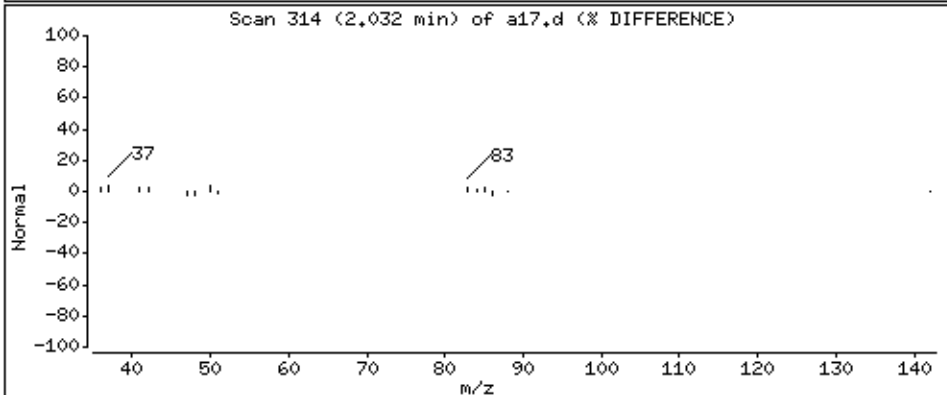
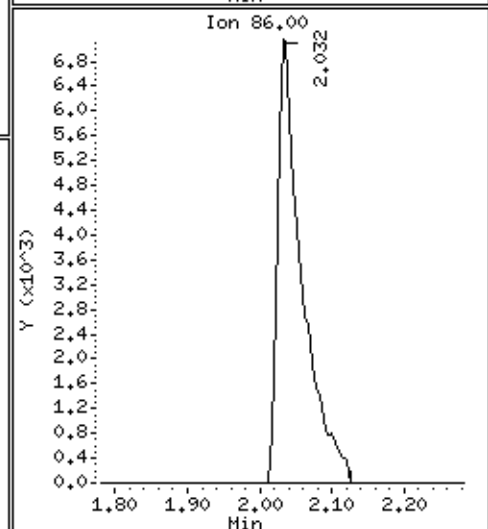
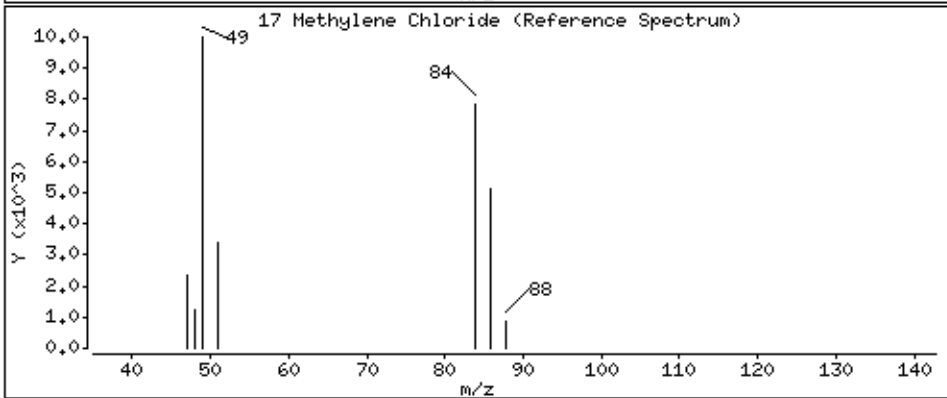
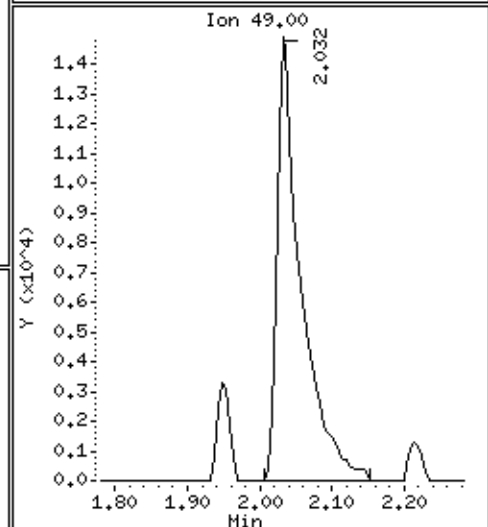
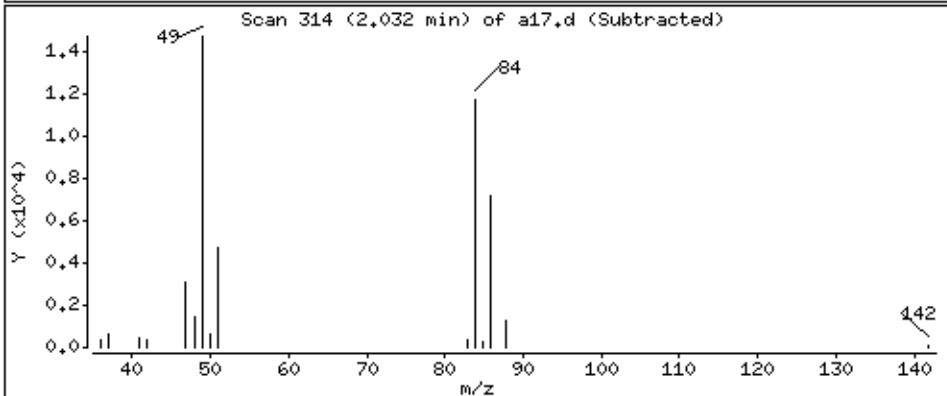
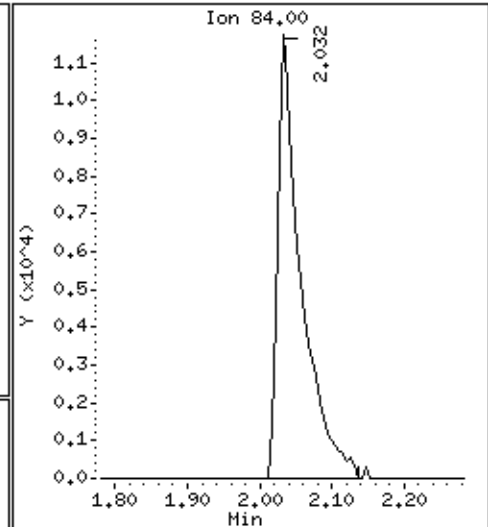
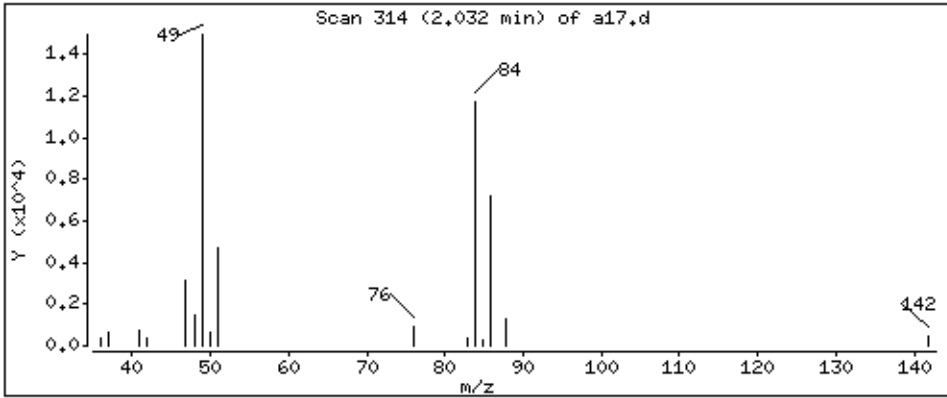
Column phase: DB-624

Column diameter: 0,18

17 Methylene Chloride

Concentration: 34,6 ppb

Review Code:



Date : 02-JUL-2014 18:43

Client ID: THW-5(12-14)MS

Instrument: 50mv3a.i

Sample Info: 1122048,71089;5

Operator: jlz

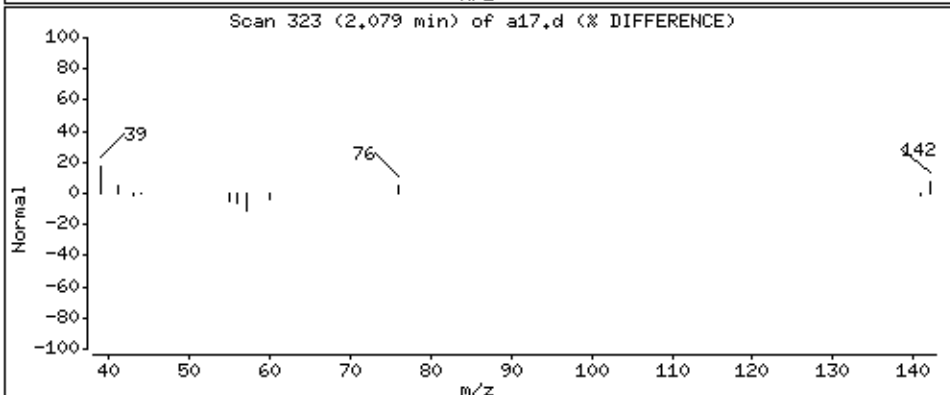
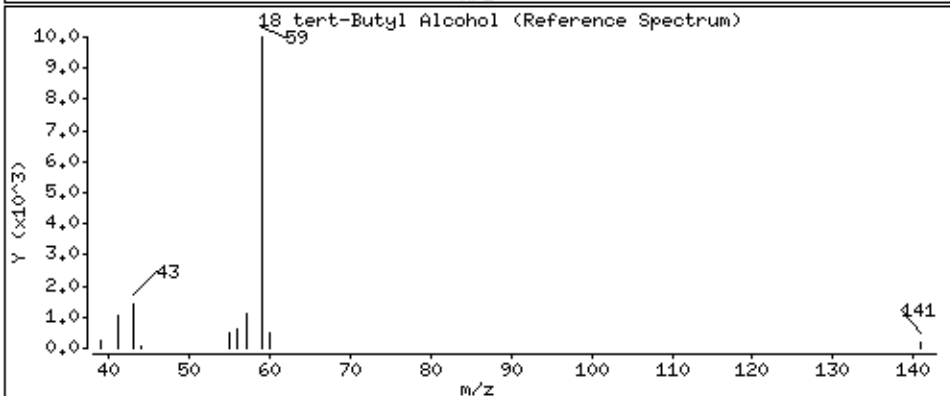
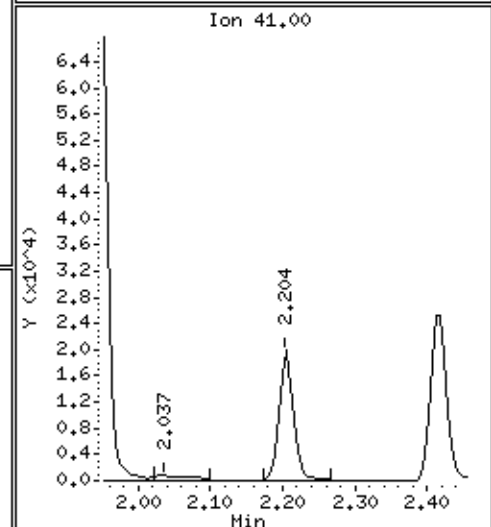
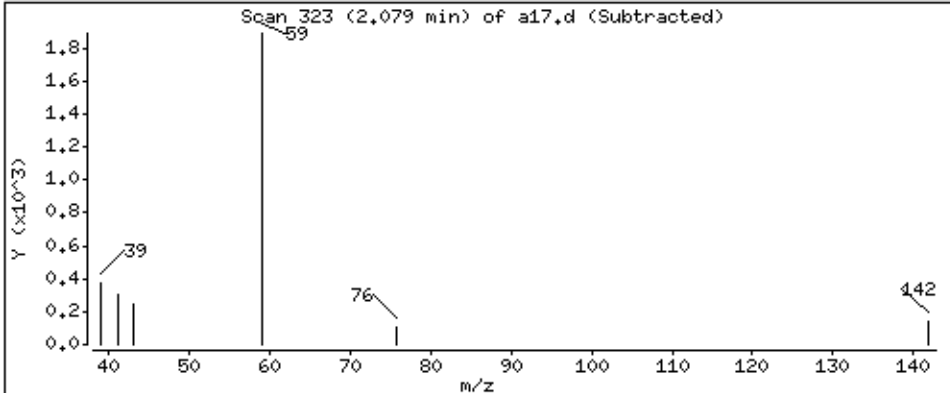
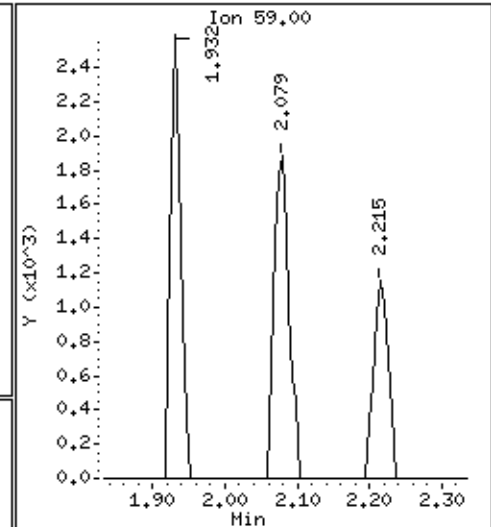
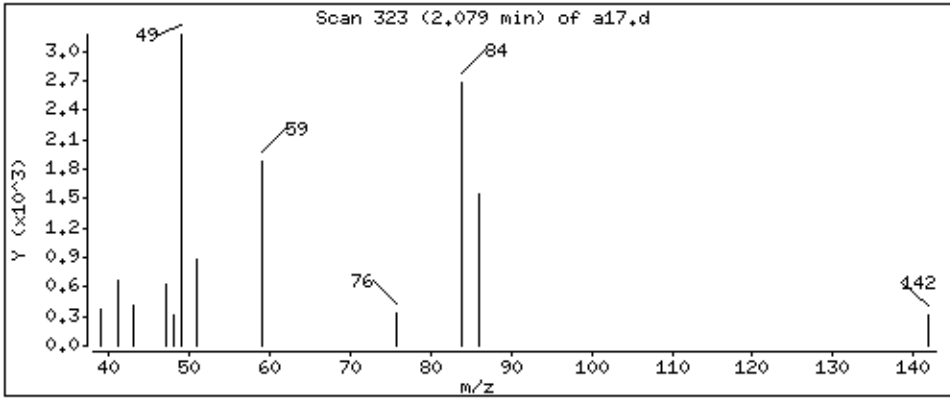
Column phase: DB-624

Column diameter: 0,18

18 tert-Butyl Alcohol

Concentration: 123 ppb

Review Code:



Date : 02-JUL-2014 18:43

Client ID: THW-5(12-14)MS

Instrument: 50mv3a.i

Sample Info: 1122048,71089;5

Operator: jlz

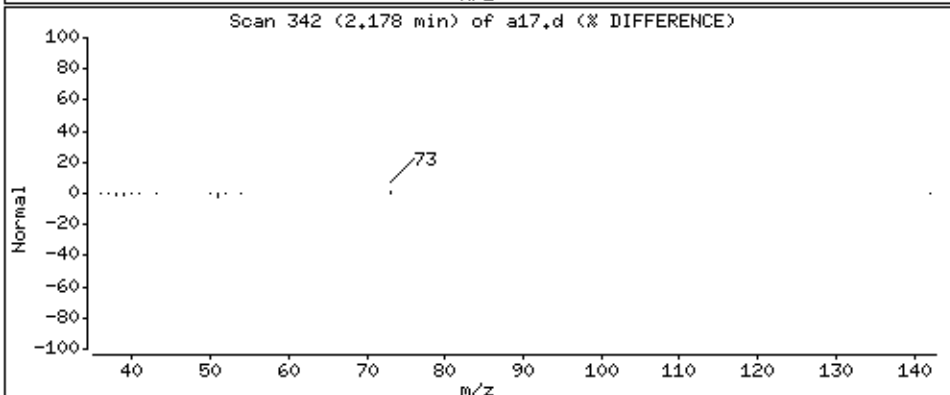
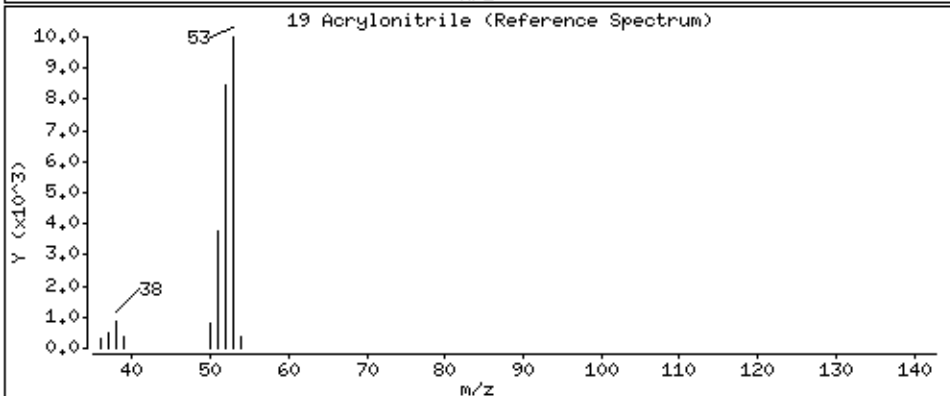
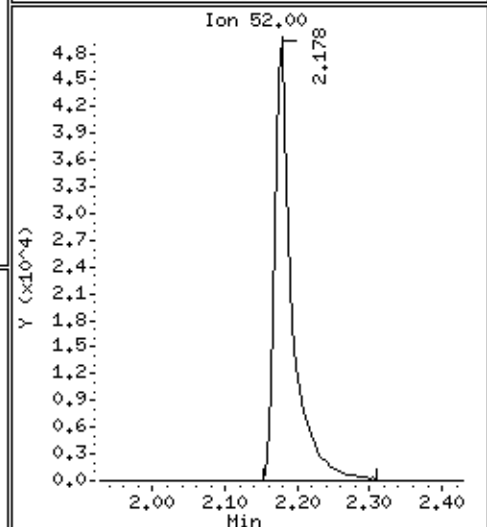
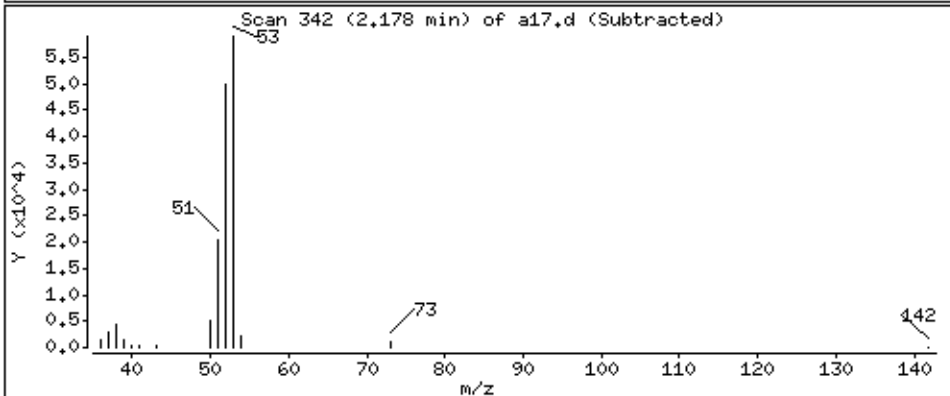
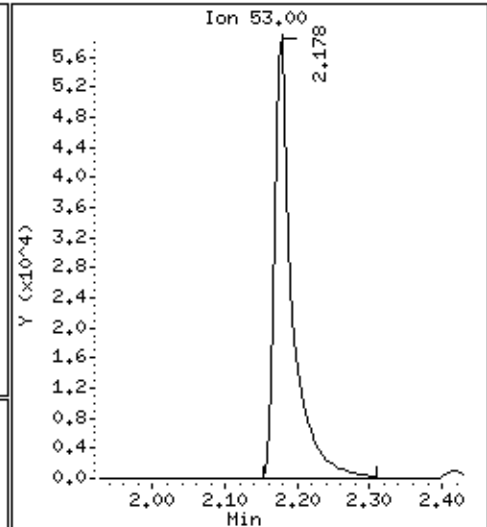
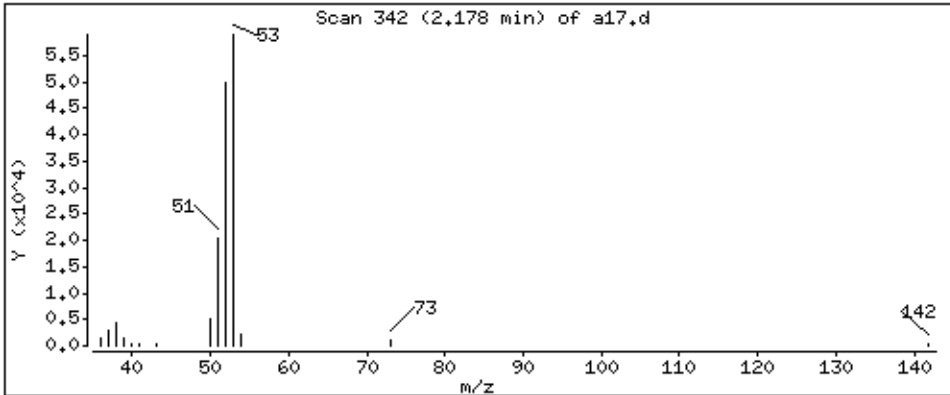
Column phase: DB-624

Column diameter: 0,18

19 Acrylonitrile

Concentration: 926 ppb

Review Code:



Date : 02-JUL-2014 18:43

Client ID: THW-5(12-14)MS

Instrument: 50mv3a.i

Sample Info: 1122048,71089;5

Operator: jlj

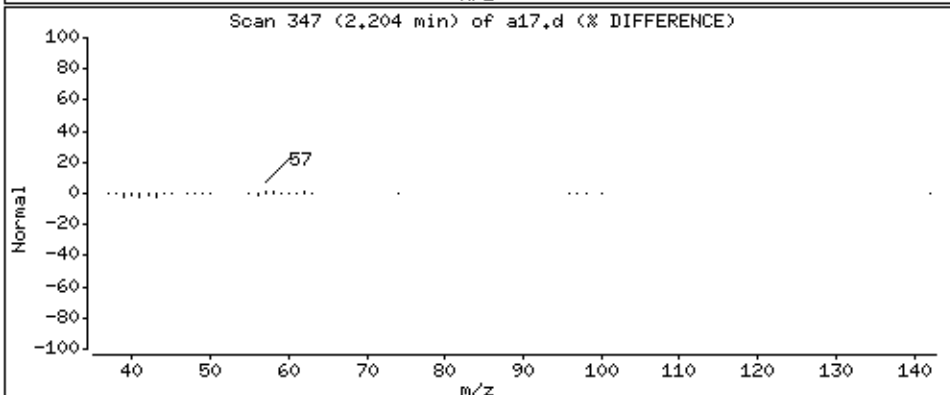
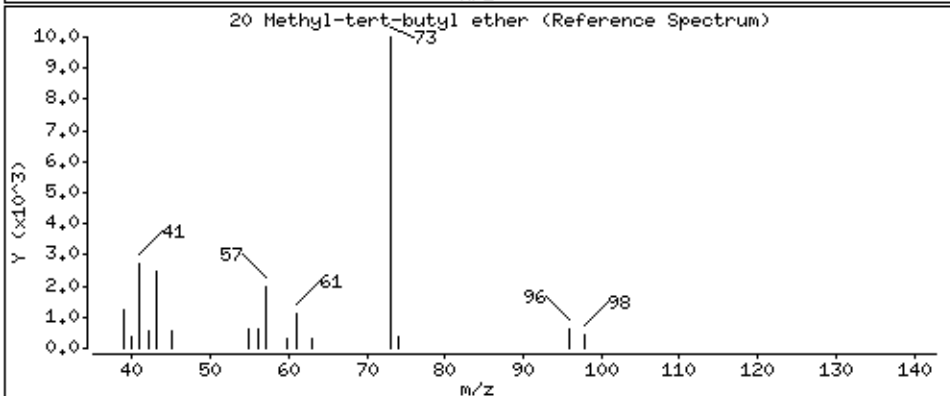
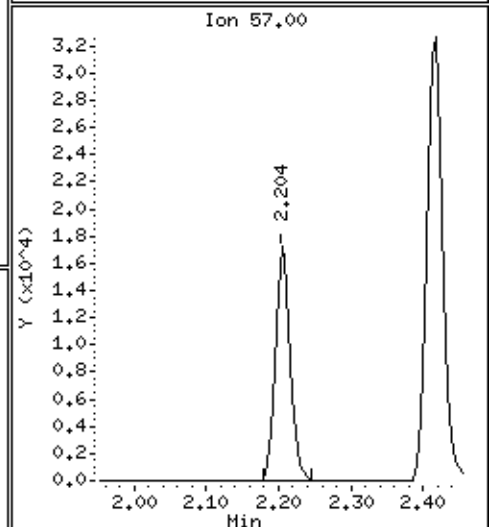
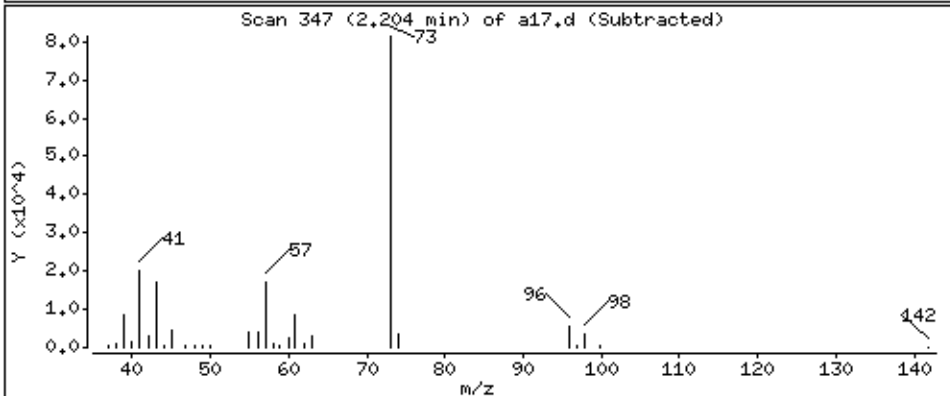
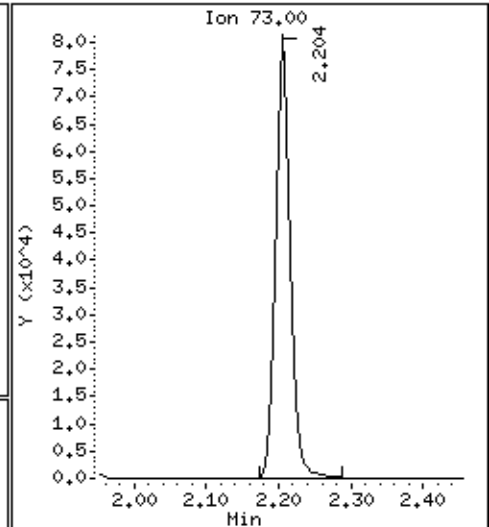
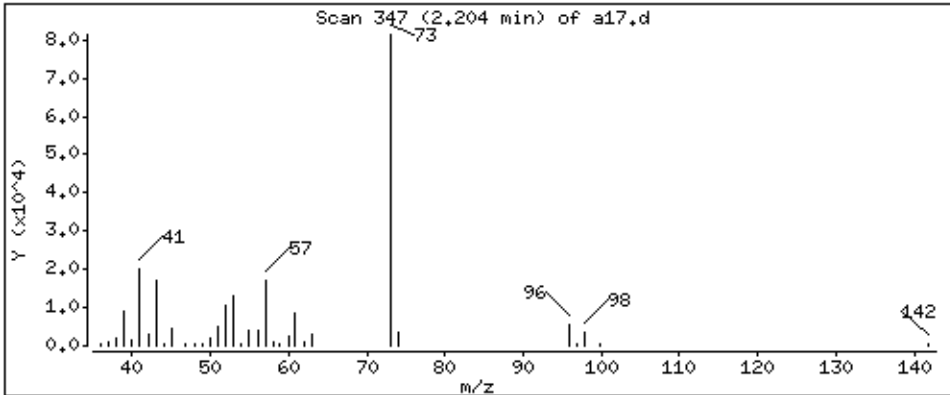
Column phase: DB-624

Column diameter: 0,18

20 Methyl-tert-butyl ether

Concentration: 92.0 ppb

Review Code:



Date : 02-JUL-2014 18:43

Client ID: THW-5(12-14)MS

Instrument: 50mv3a.i

Sample Info: 1122048,71089;5

Operator: jlz

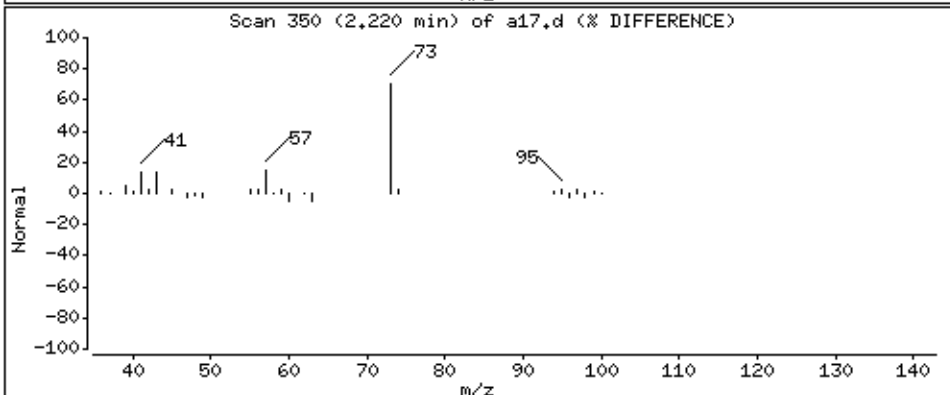
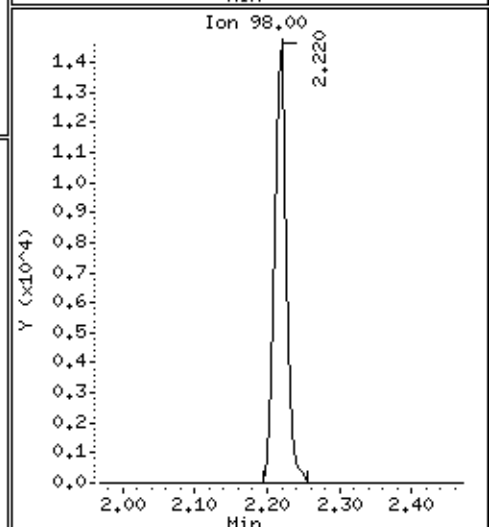
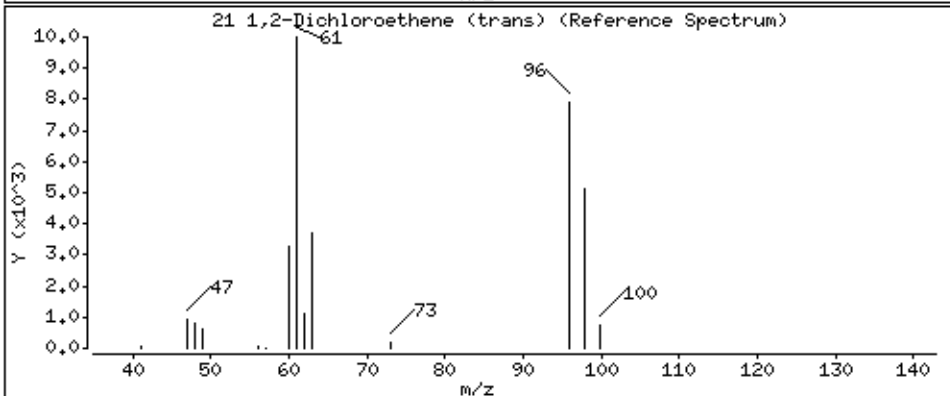
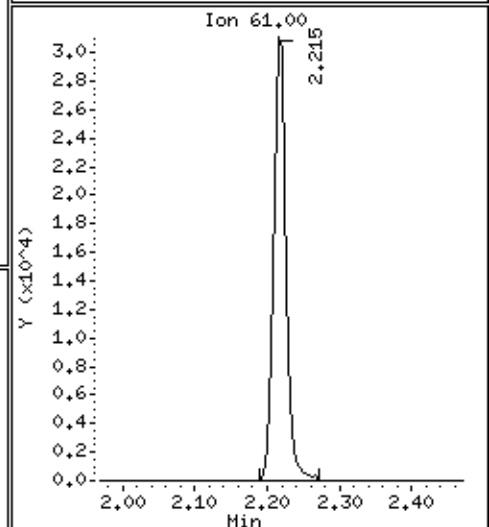
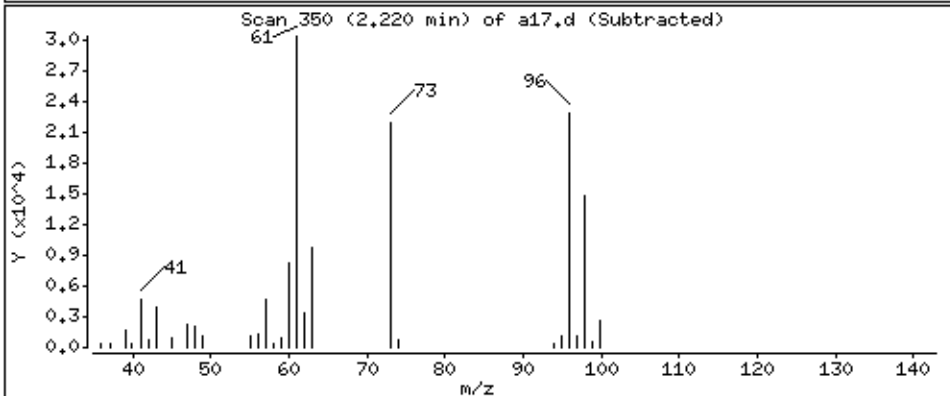
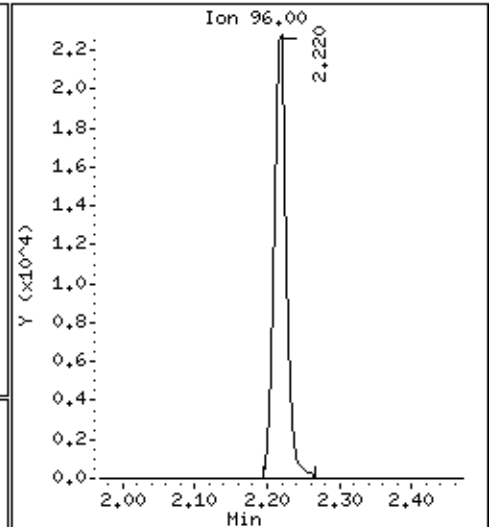
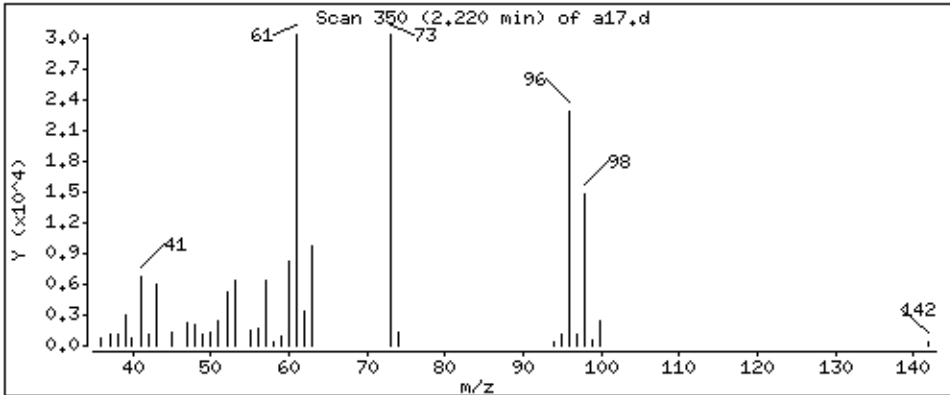
Column phase: DB-624

Column diameter: 0,18

21 1,2-Dichloroethene (trans)

Concentration: 44,4 ppb

Review Code:



Date : 02-JUL-2014 18:43

Client ID: THW-5(12-14)MS

Instrument: 50mv3a.i

Sample Info: 1122048,71089;5

Operator: jlz

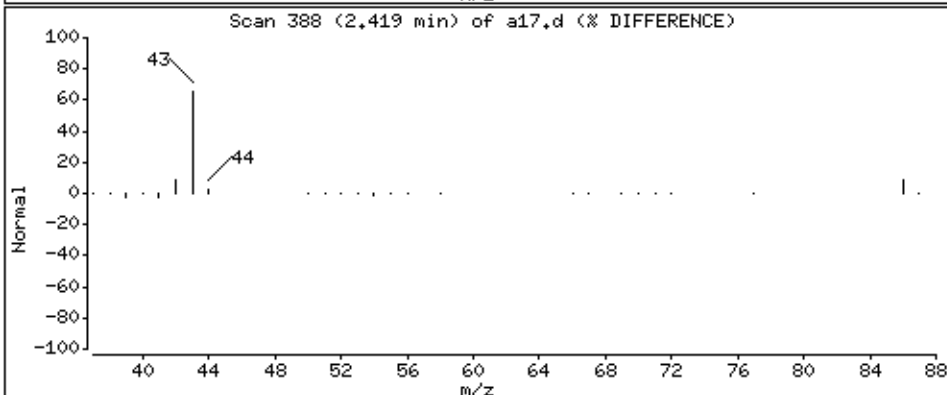
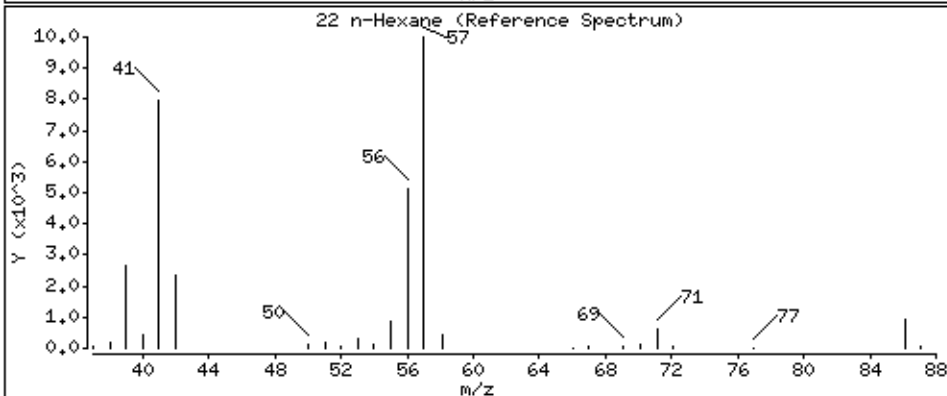
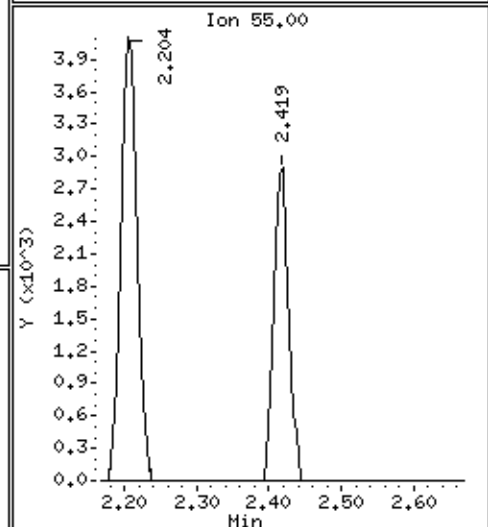
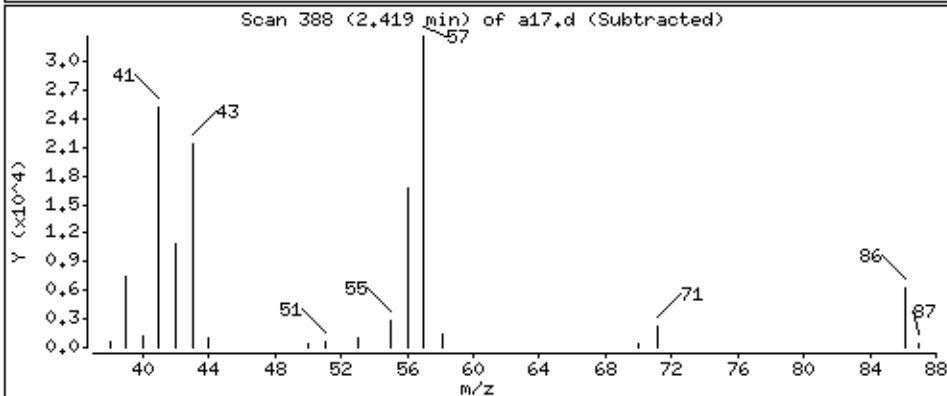
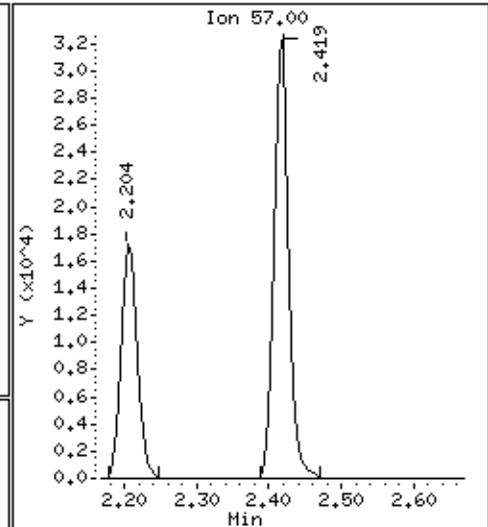
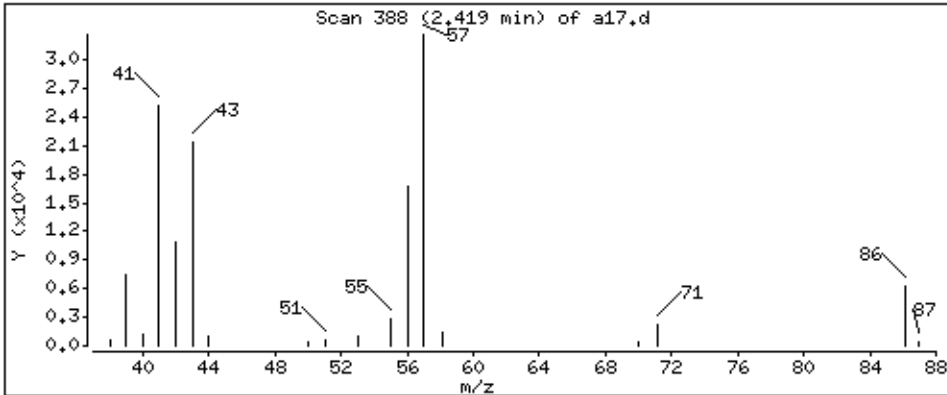
Column phase: DB-624

Column diameter: 0,18

22 n-Hexane

Concentration: 42.6 ppb

Review Code:



Date : 02-JUL-2014 18:43

Client ID: THW-5(12-14)MS

Instrument: 50mv3a.i

Sample Info: 1122048,71089;5

Operator: jlz

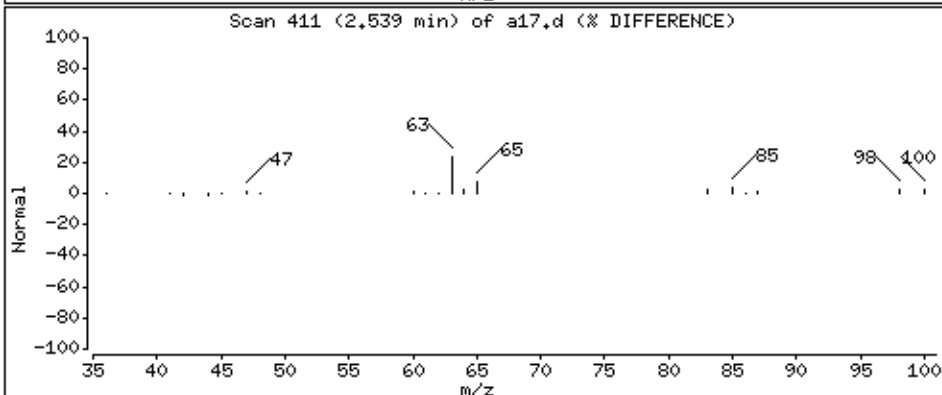
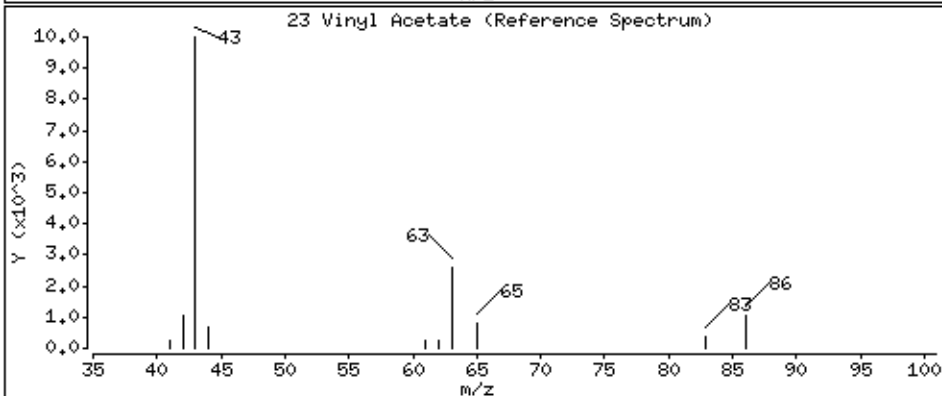
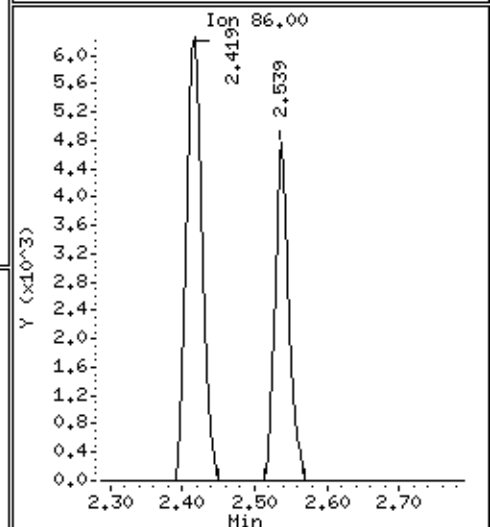
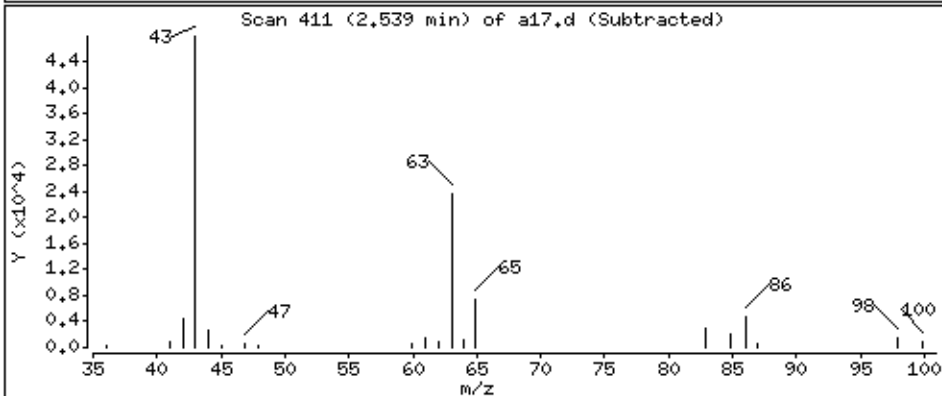
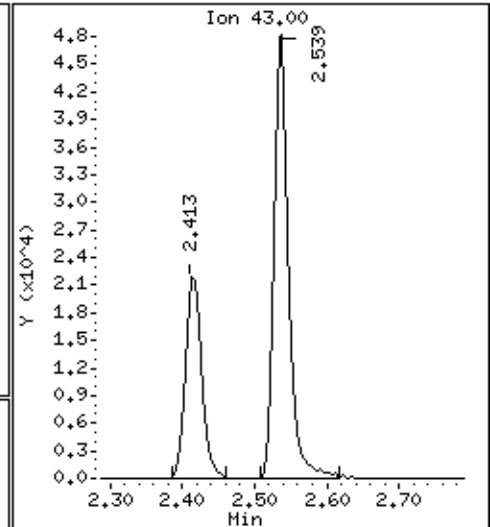
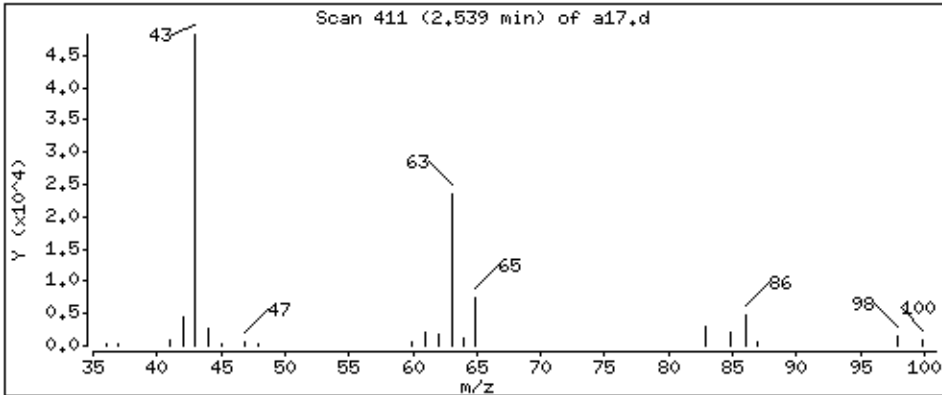
Column phase: DB-624

Column diameter: 0,18

23 Vinyl Acetate

Concentration: 104 ppb

Review Code:



Date : 02-JUL-2014 18:43

Client ID: THW-5(12-14)MS

Instrument: 50mv3a.i

Sample Info: 1122048,71089;5

Operator: jlz

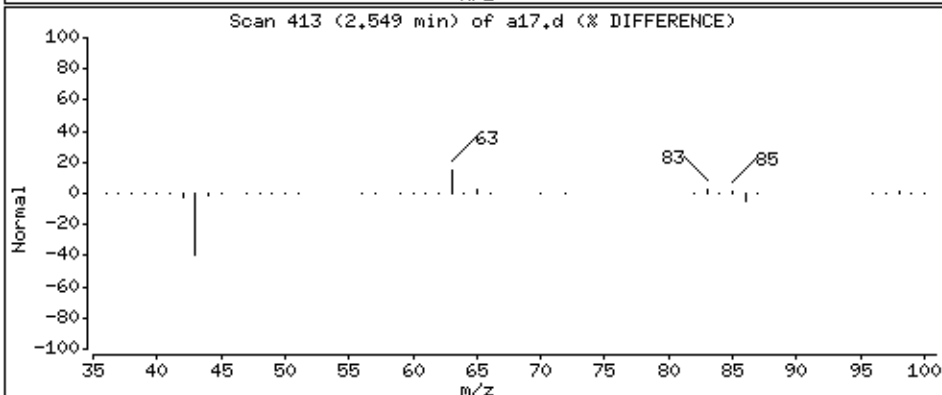
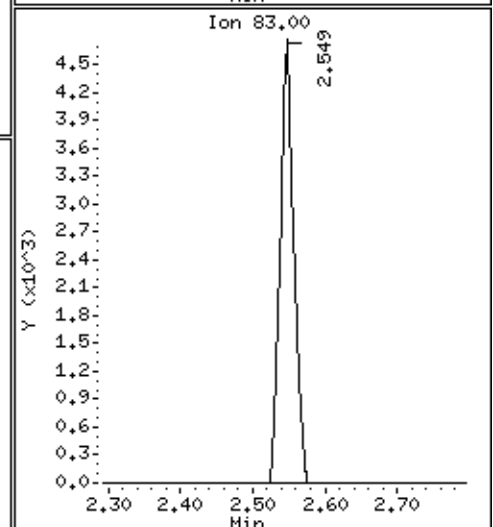
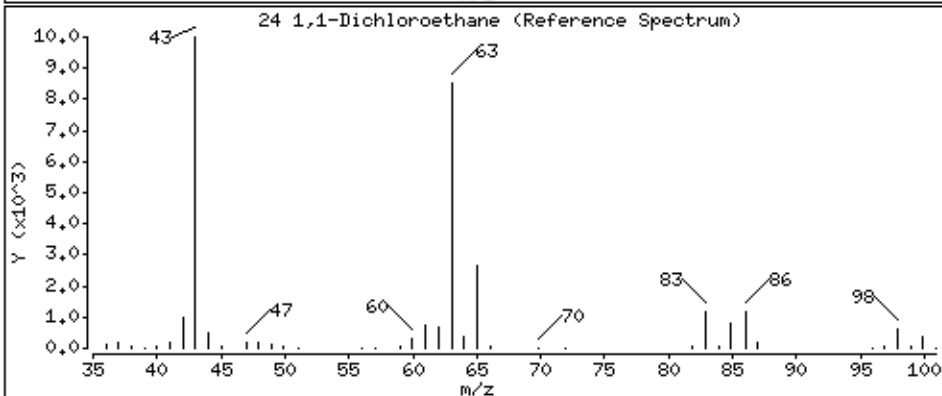
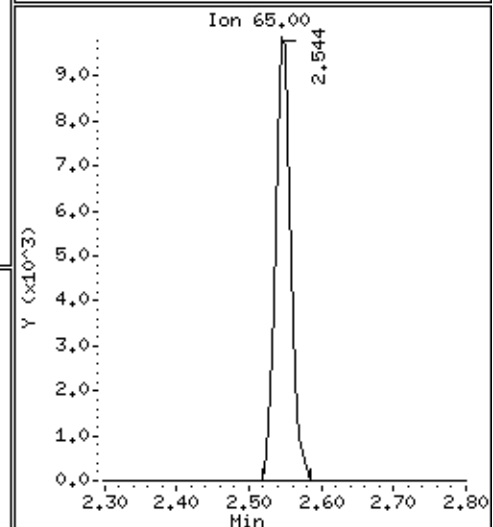
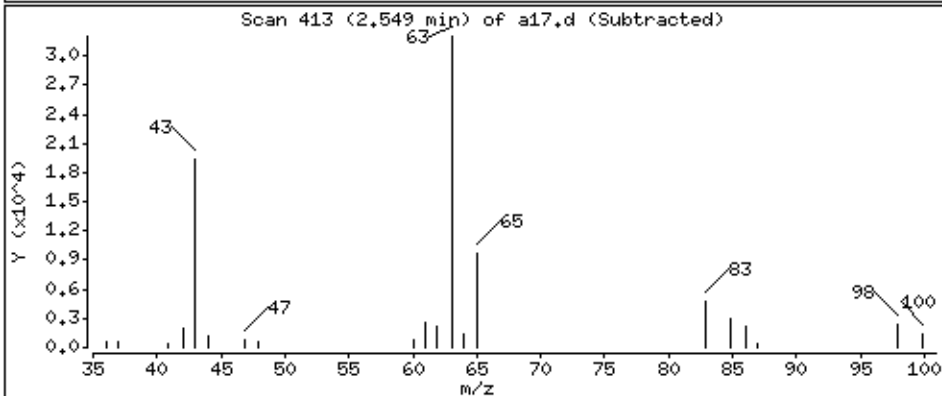
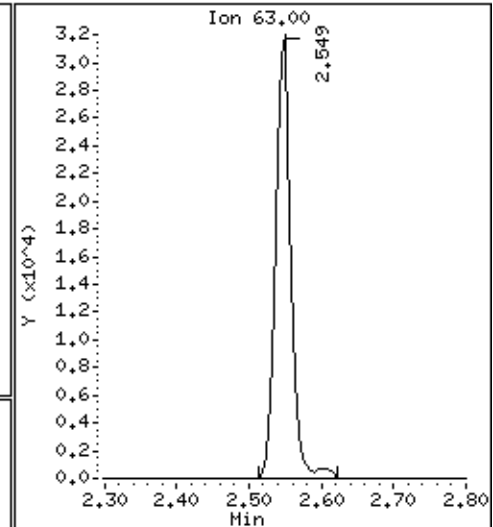
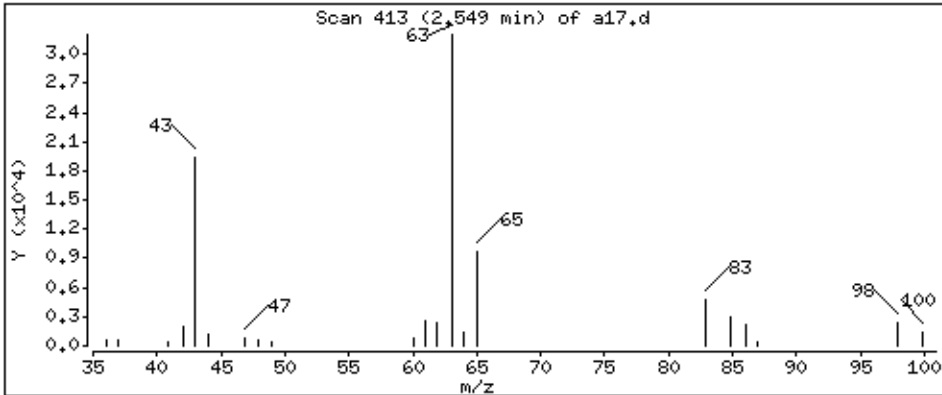
Column phase: DB-624

Column diameter: 0,18

24 1,1-Dichloroethane

Concentration: 44,1 ppb

Review Code:



Date : 02-JUL-2014 18:43

Client ID: THW-5(12-14)MS

Instrument: 50mv3a.i

Sample Info: 1122048,71089;5

Operator: jlz

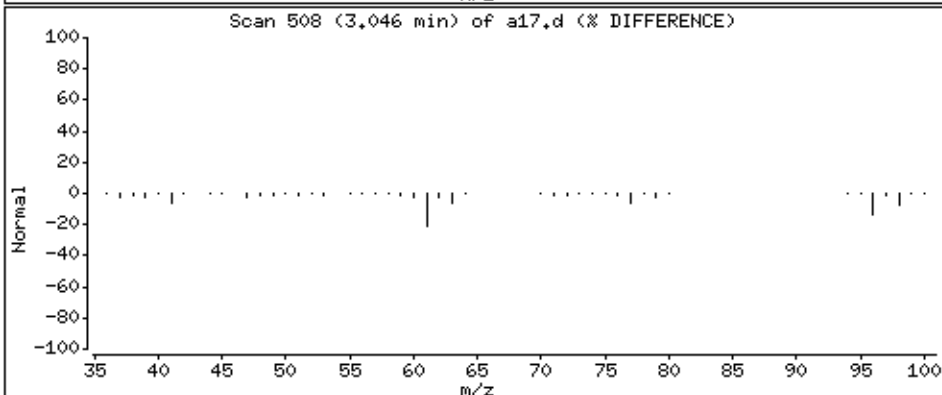
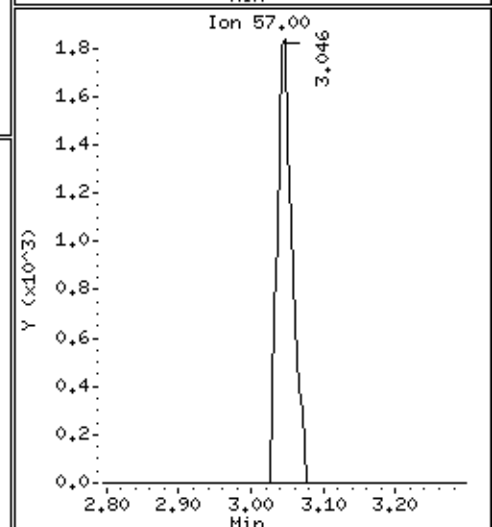
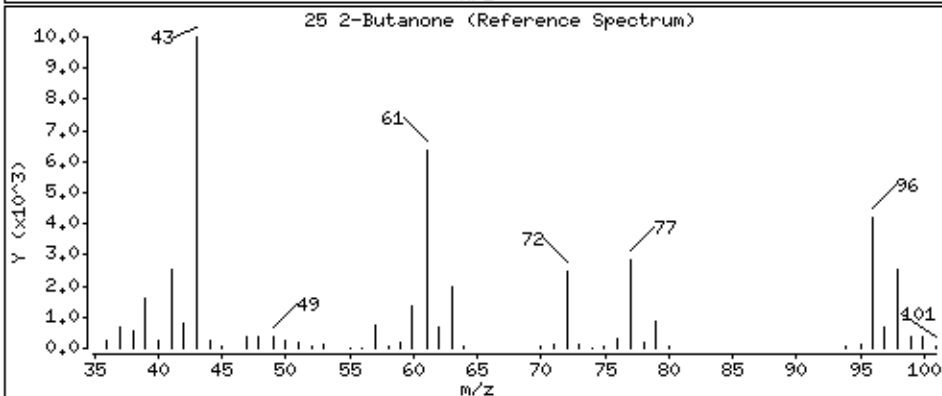
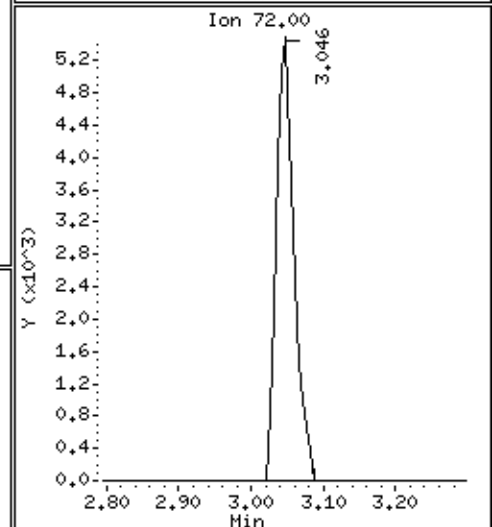
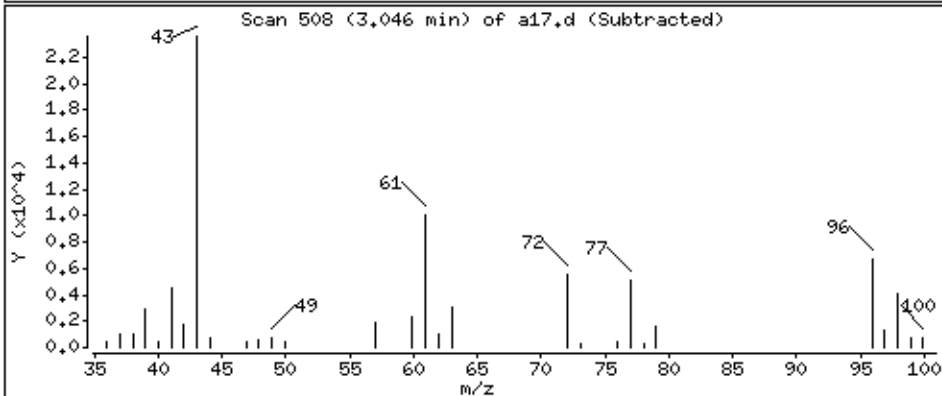
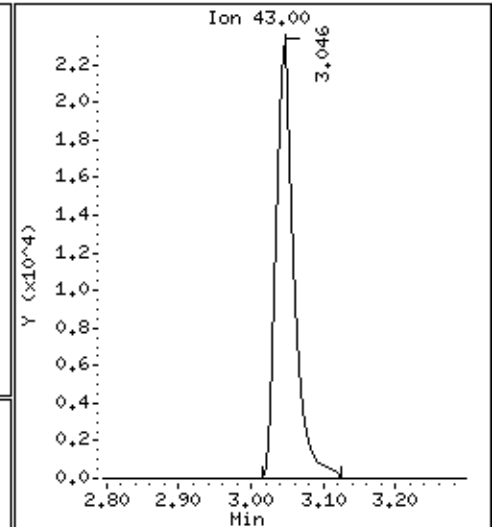
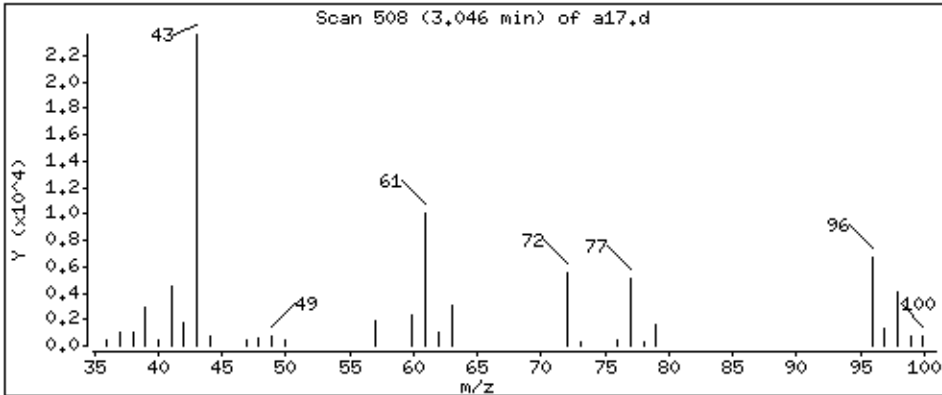
Column phase: DB-624

Column diameter: 0,18

25 2-Butanone

Concentration: 284 ppb

Review Code:



Date : 02-JUL-2014 18:43

Client ID: THW-5(12-14)MS

Instrument: 50mw3a.i

Sample Info: 1122048,71089;5

Operator: jlz

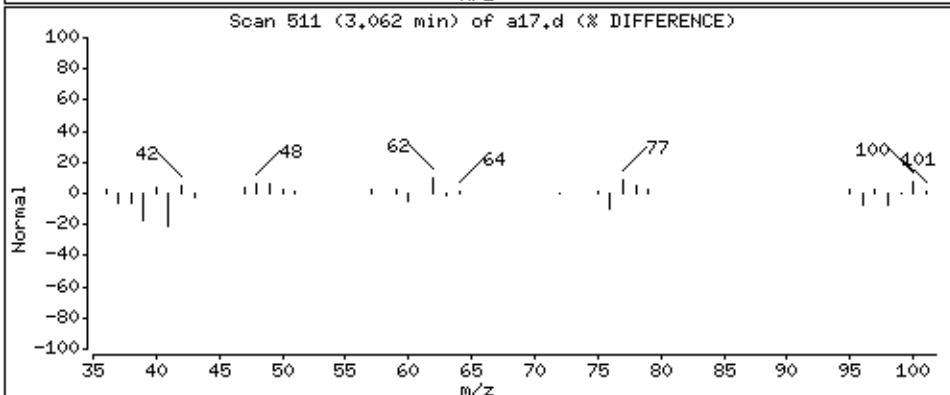
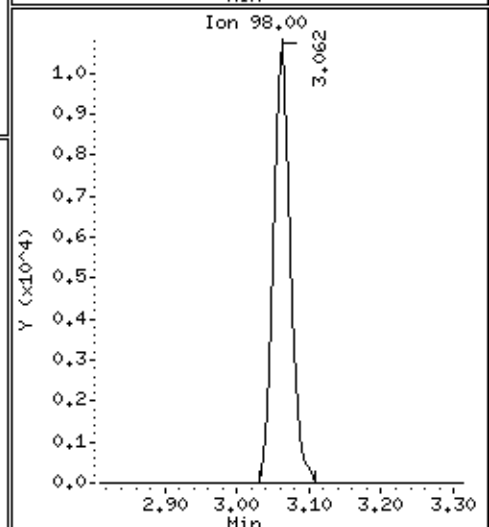
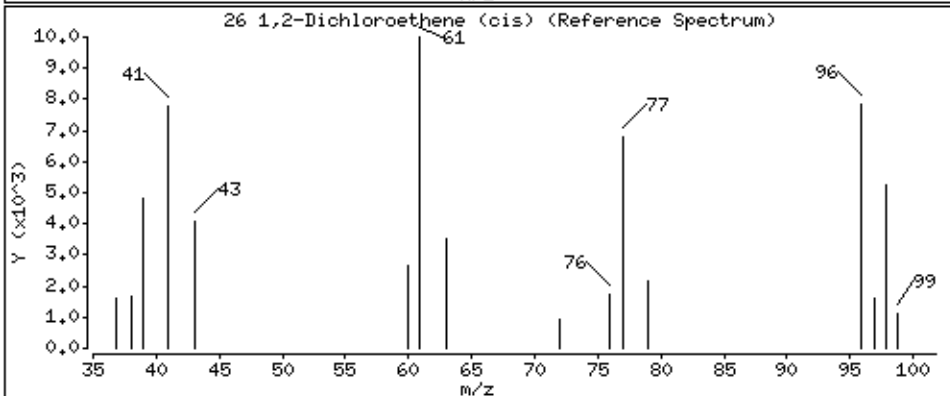
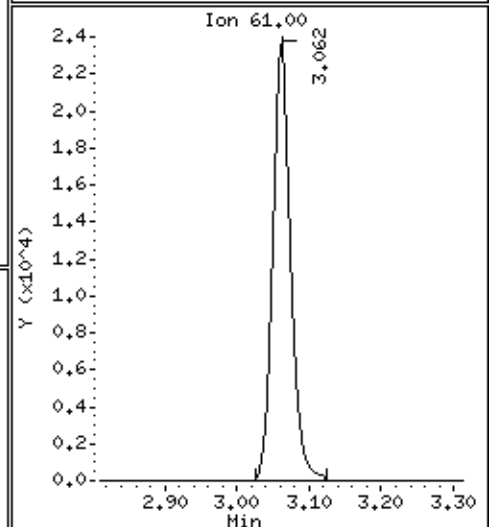
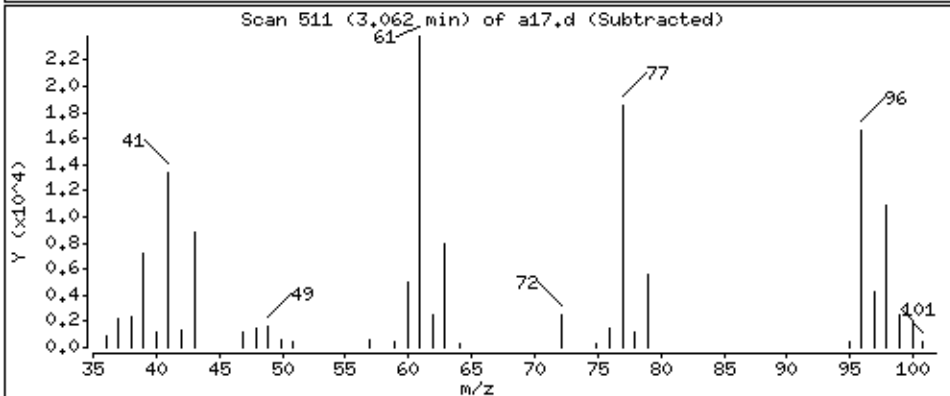
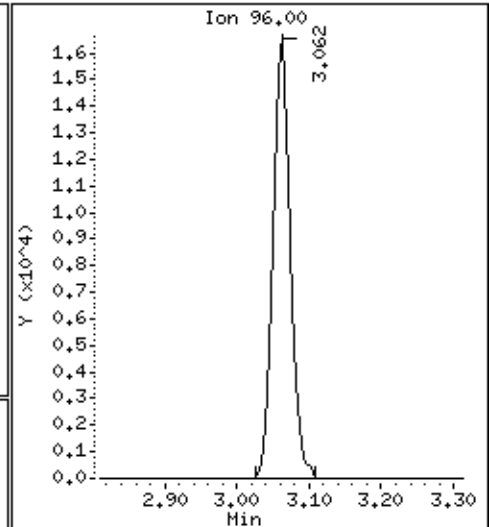
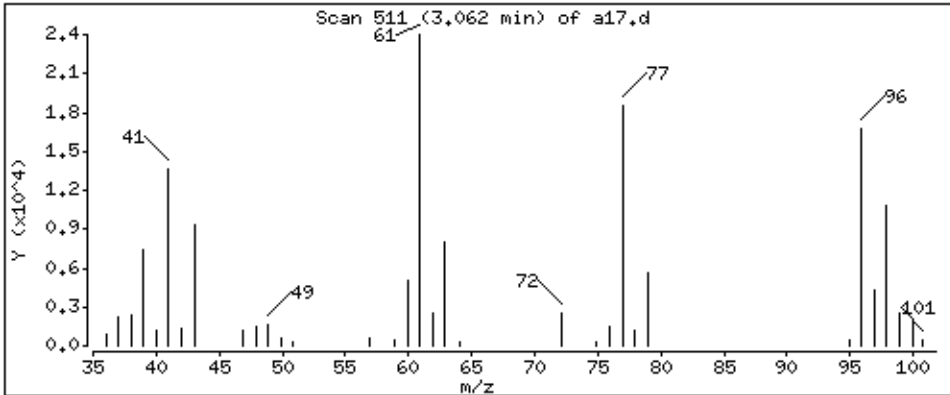
Column phase: DB-624

Column diameter: 0,18

26 1,2-Dichloroethene (cis)

Concentration: 43,5 ppb

Review Code:



Date : 02-JUL-2014 18:43

Client ID: THW-5(12-14)MS

Instrument: 50mv3a.i

Sample Info: 1122048,71089;5

Operator: jlz

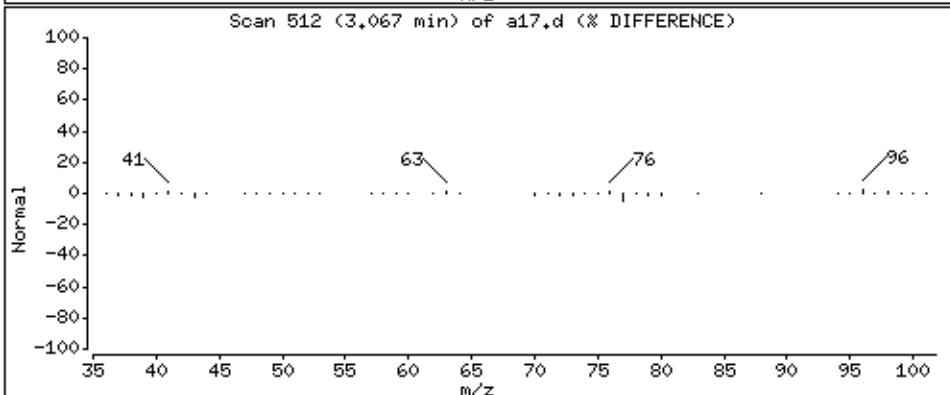
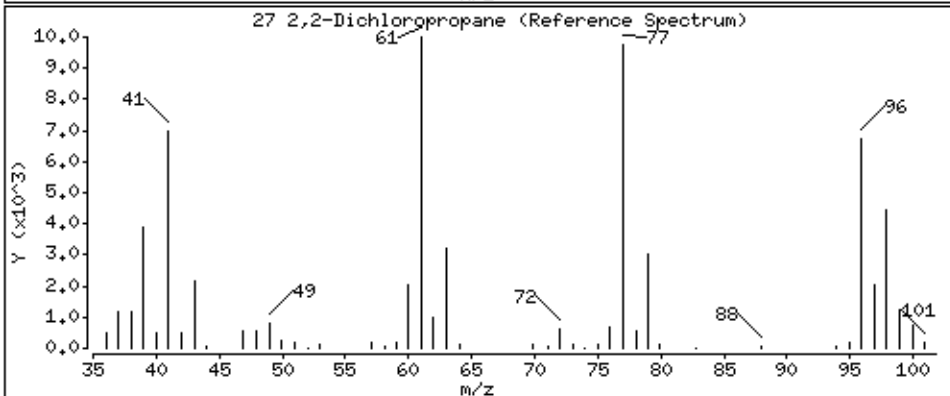
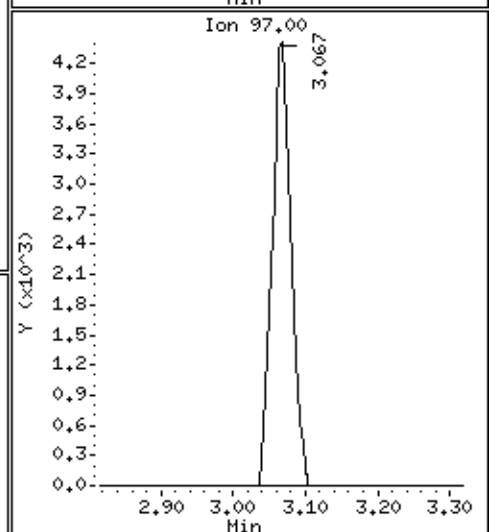
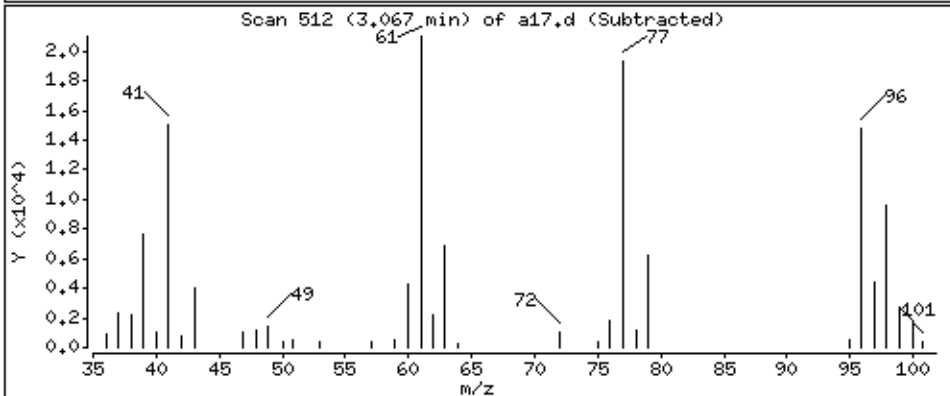
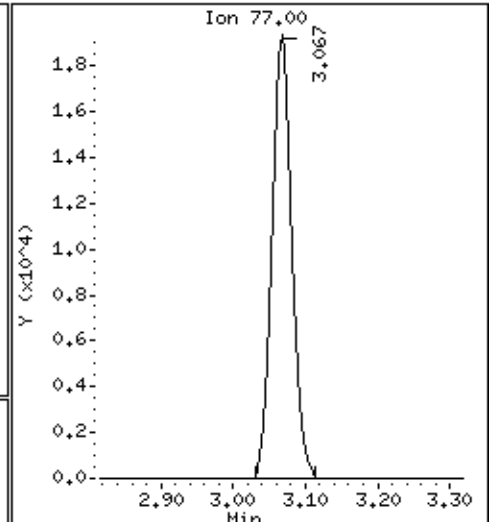
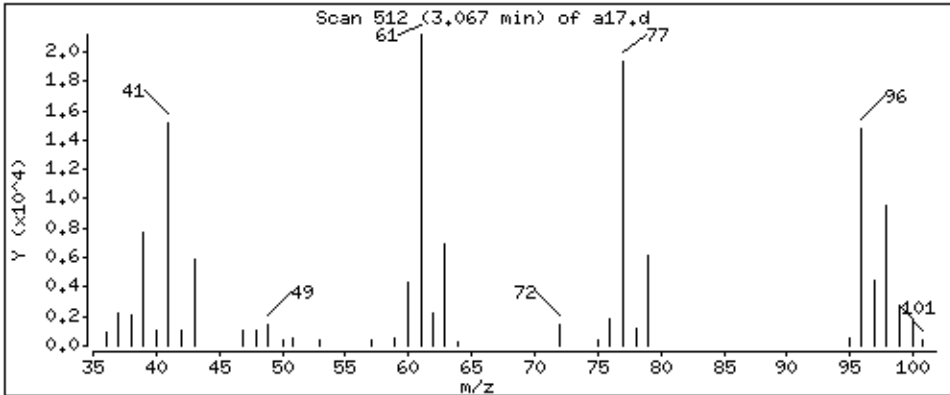
Column phase: DB-624

Column diameter: 0,18

27 2,2-Dichloropropane

Concentration: 47.2 ppb

Review Code:



Date : 02-JUL-2014 18:43

Client ID: THW-5(12-14)HS

Instrument: 50mv3a.i

Sample Info: 1122048,71089;5

Operator: jlz

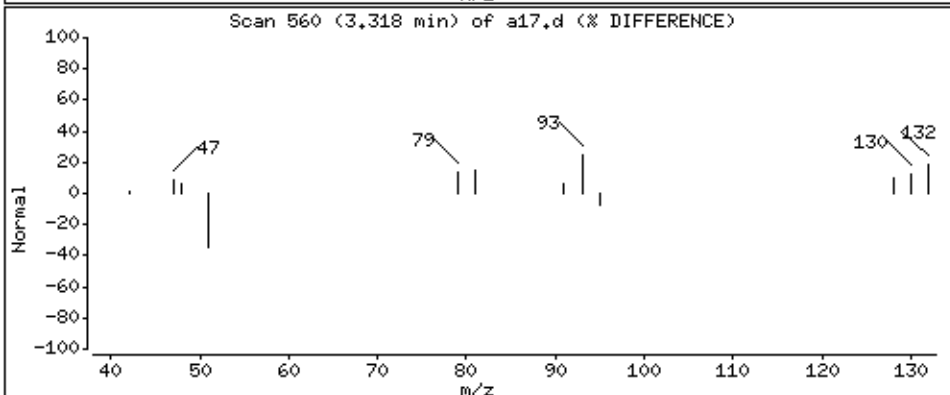
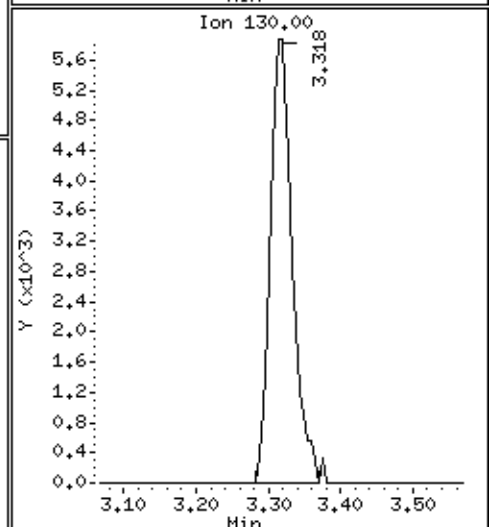
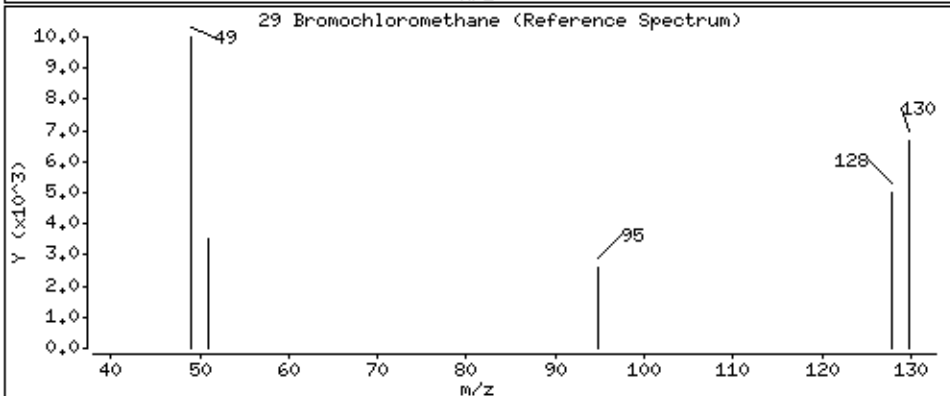
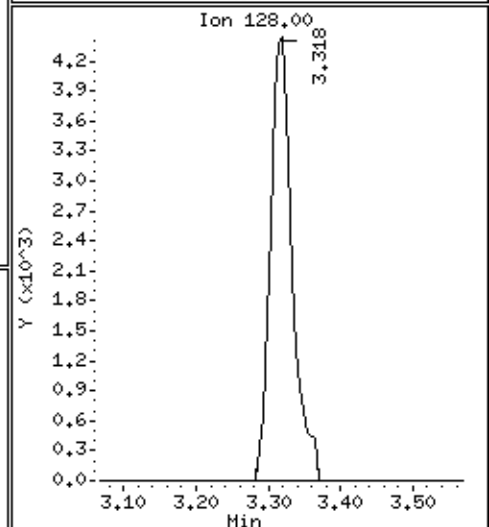
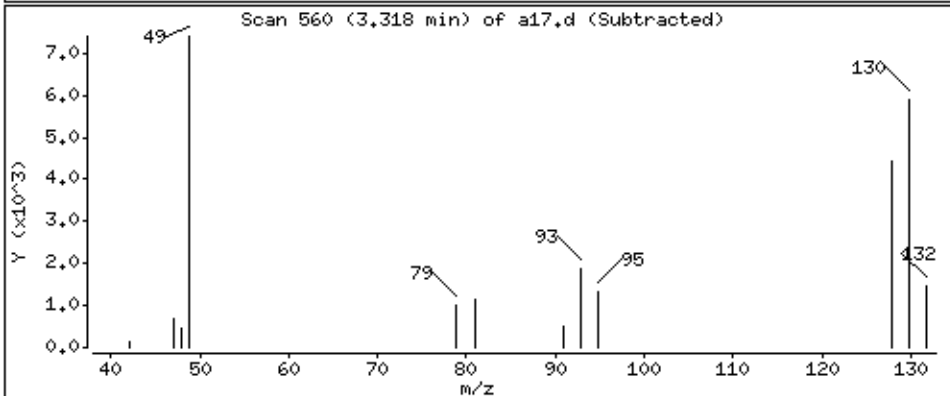
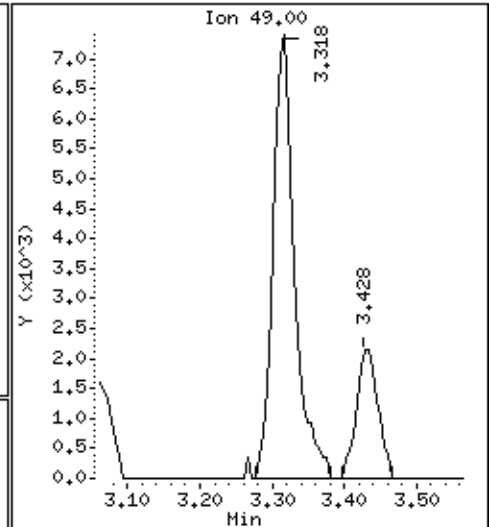
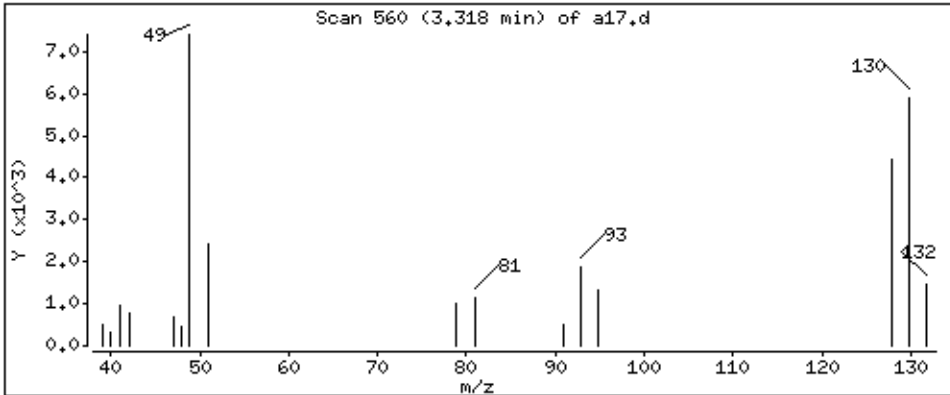
Column phase: DB-624

Column diameter: 0,18

29 Bromochloromethane

Concentration: 47,0 ppb

Review Code:



Date : 02-JUL-2014 18:43

Client ID: THW-5(12-14)HS

Instrument: 50mw3a.i

Sample Info: 1122048,71089;5

Operator: jlz

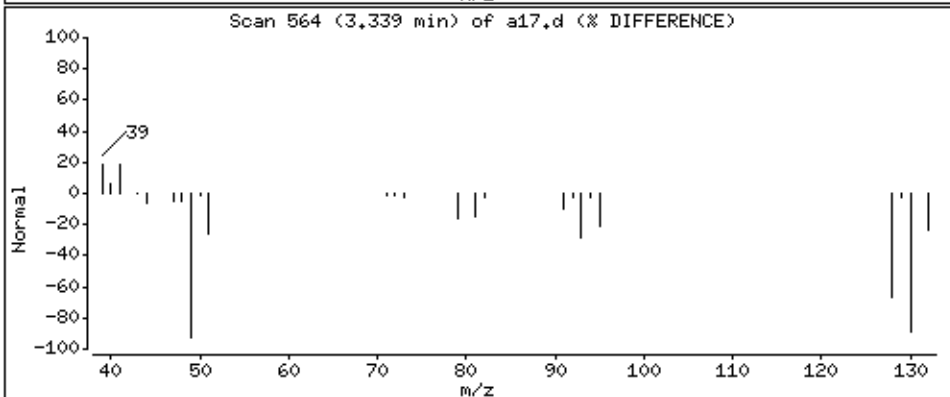
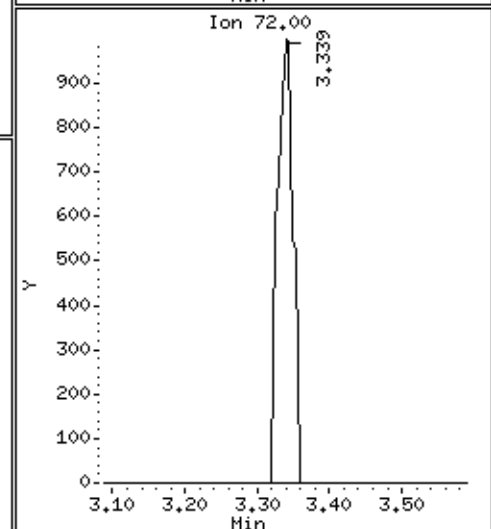
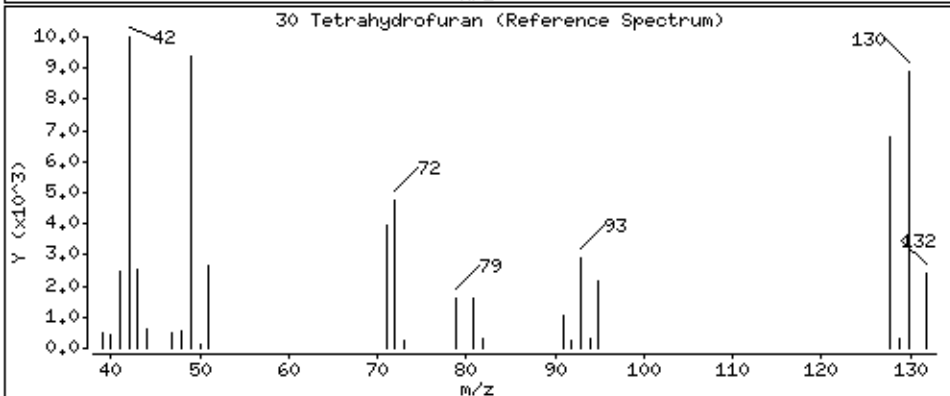
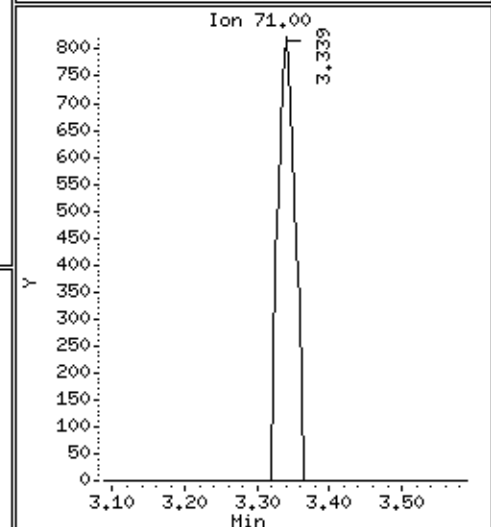
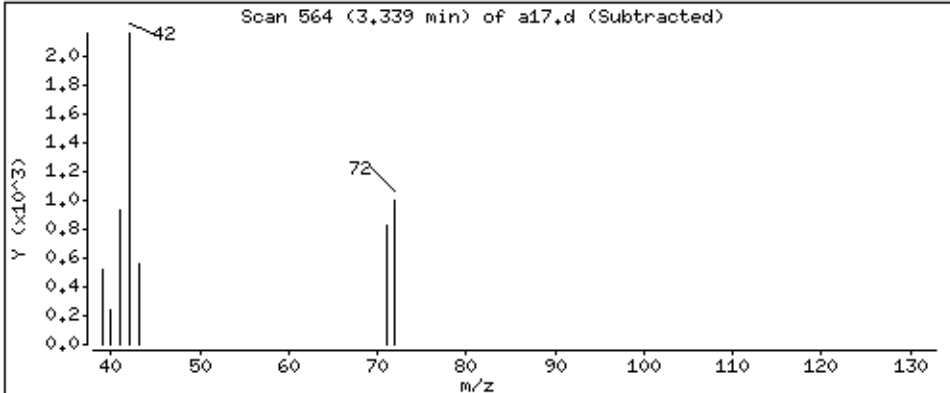
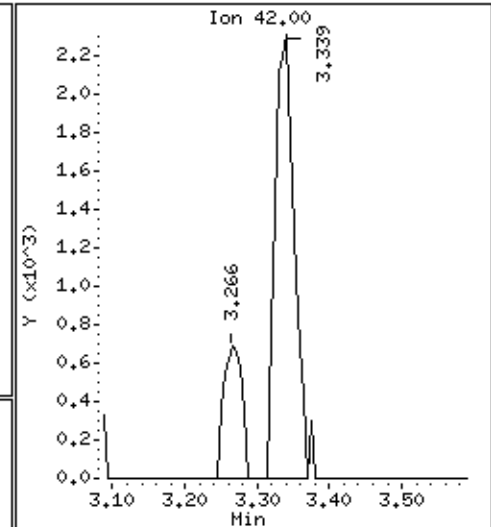
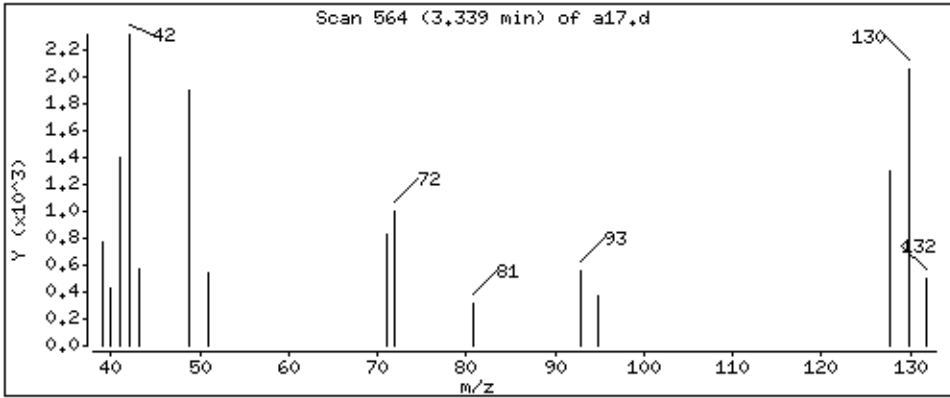
Column phase: DB-624

Column diameter: 0,18

30 Tetrahydrofuran

Concentration: 51.2 ppb

Review Code:



Date : 02-JUL-2014 18:43

Client ID: THW-5(12-14)MS

Instrument: 50mv3a.i

Sample Info: 1122048,71089;5

Operator: jlz

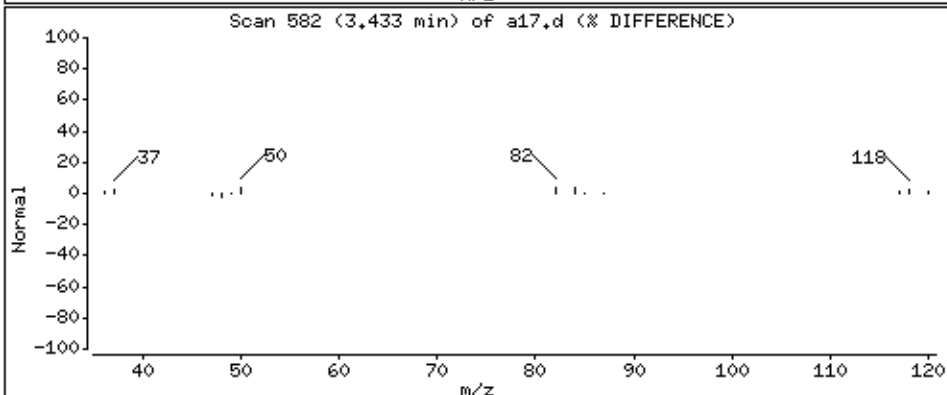
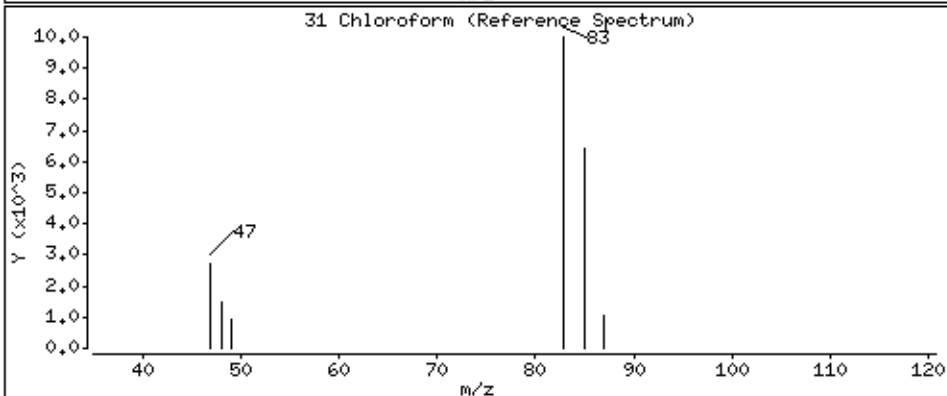
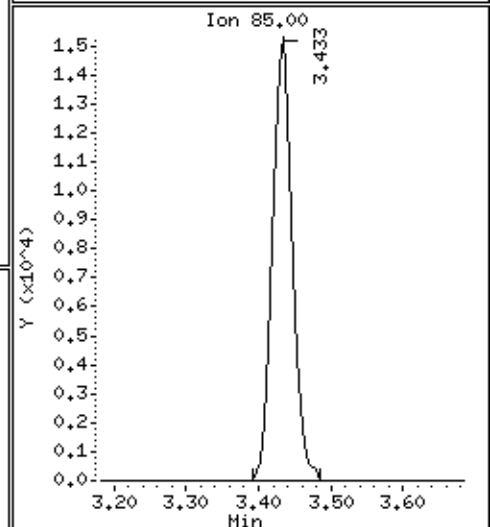
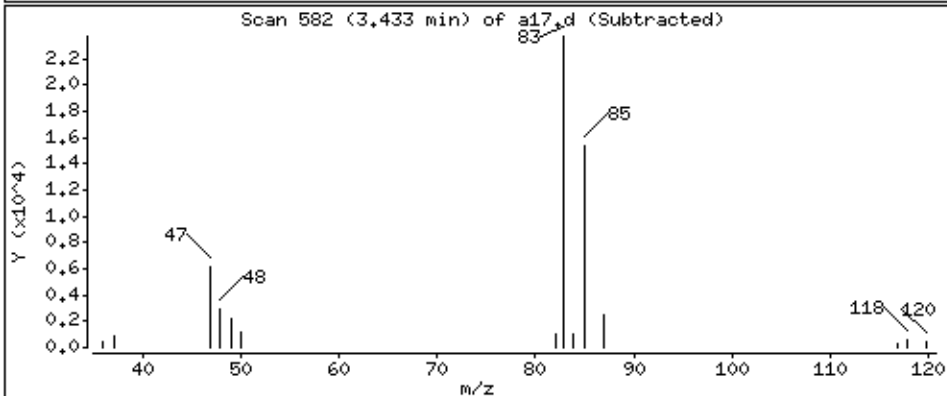
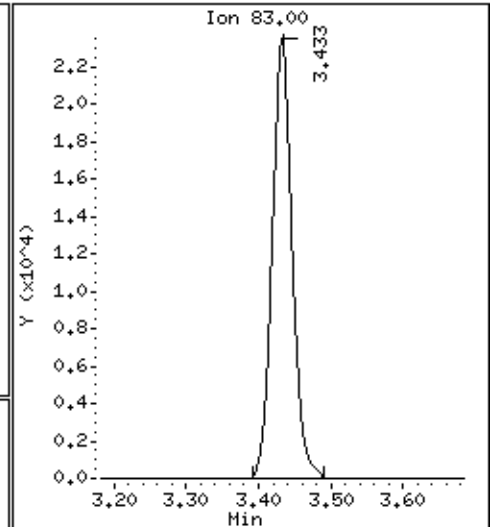
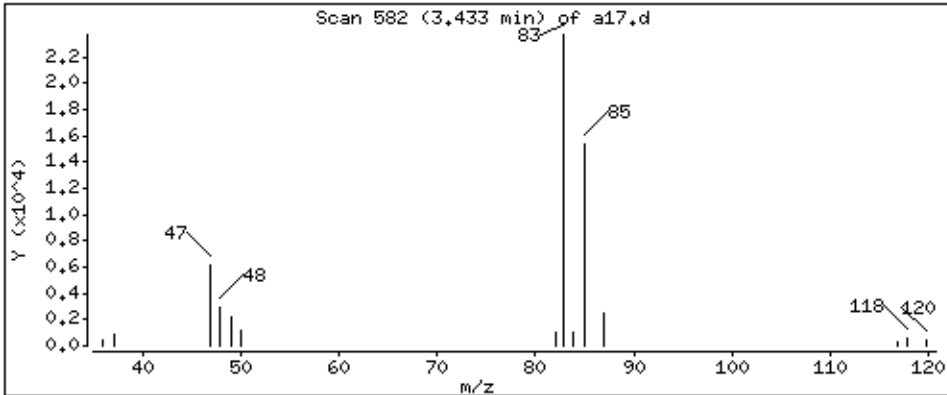
Column phase: DB-624

Column diameter: 0,18

31 Chloroform

Concentration: 43,0 ppb

Review Code:



Date : 02-JUL-2014 18:43

Client ID: THW-5(12-14)MS

Instrument: 50mv3a.i

Sample Info: 1122048,71089;5

Operator: jlz

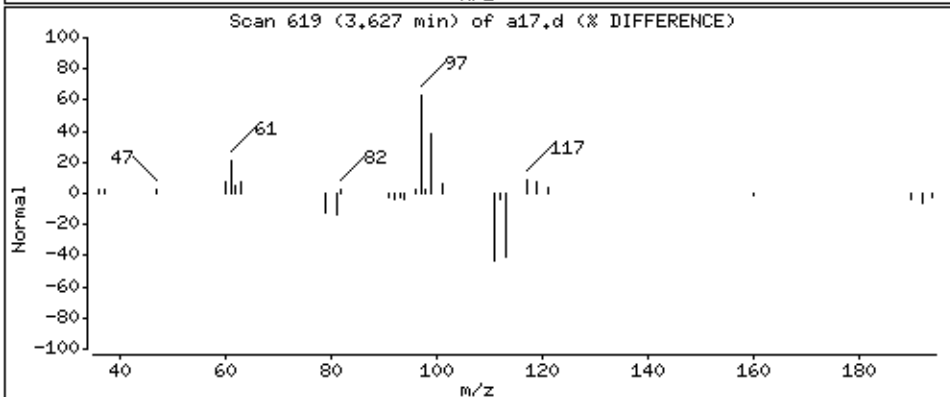
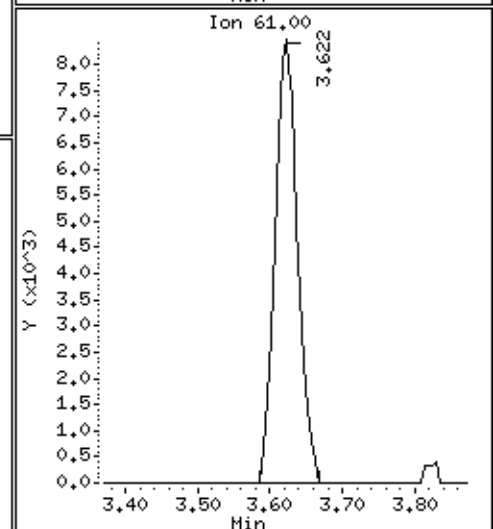
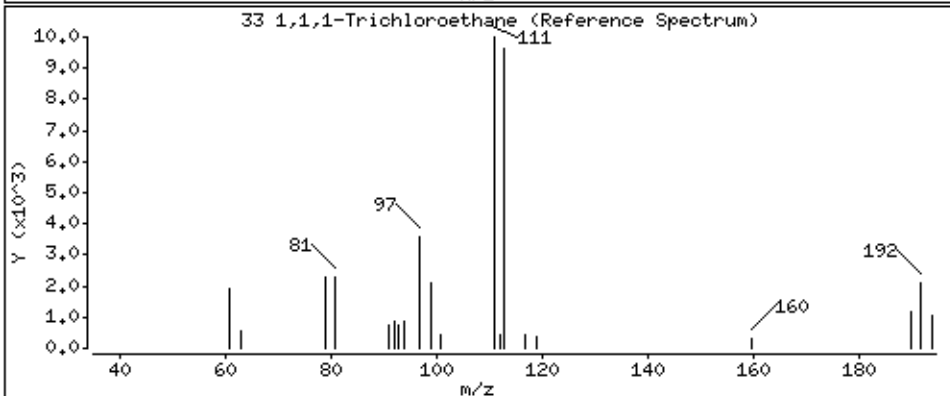
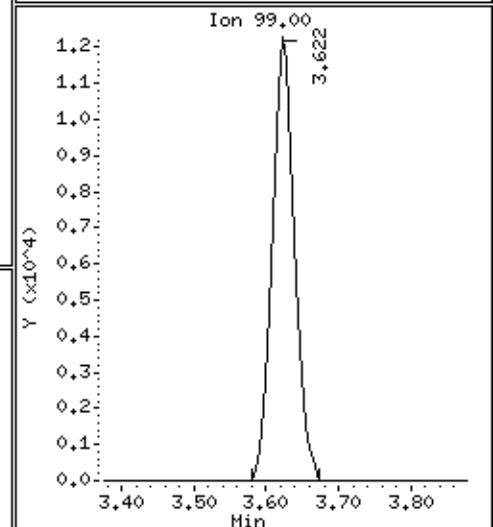
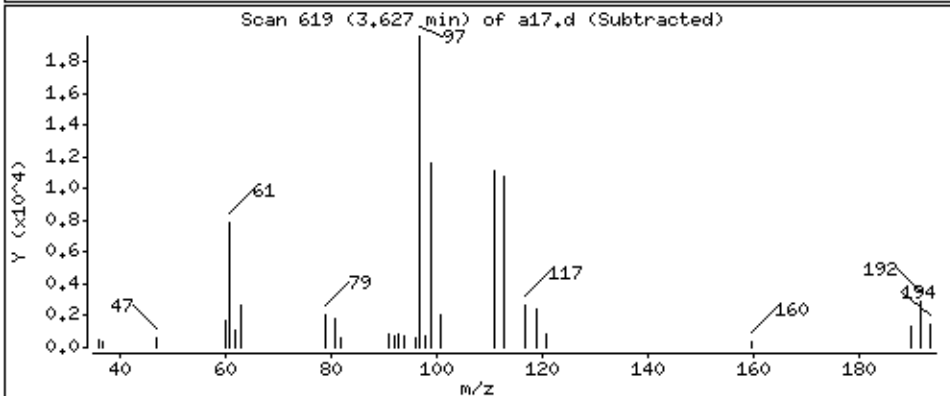
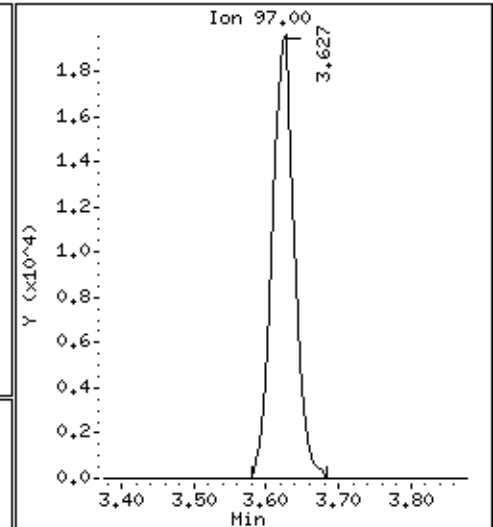
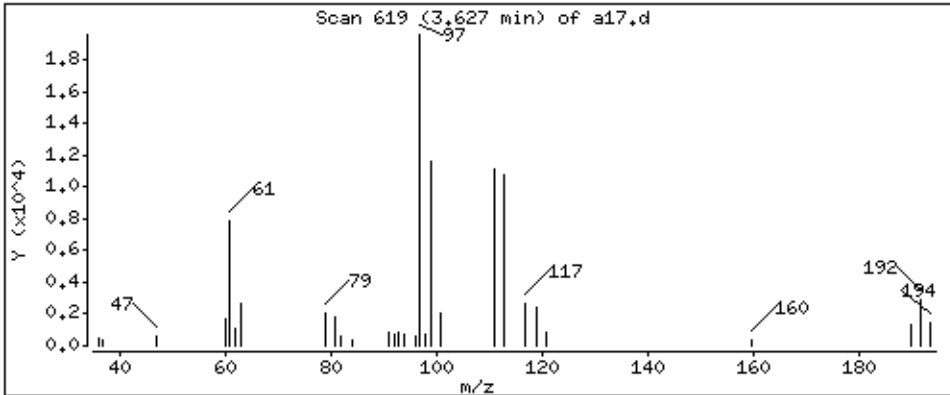
Column phase: DB-624

Column diameter: 0,18

33 1,1,1-Trichloroethane

Concentration: 44,7 ppb

Review Code:



Date : 02-JUL-2014 18:43

Client ID: THW-5(12-14)MS

Instrument: 50mv3a.i

Sample Info: 1122048,71089;5

Operator: jlz

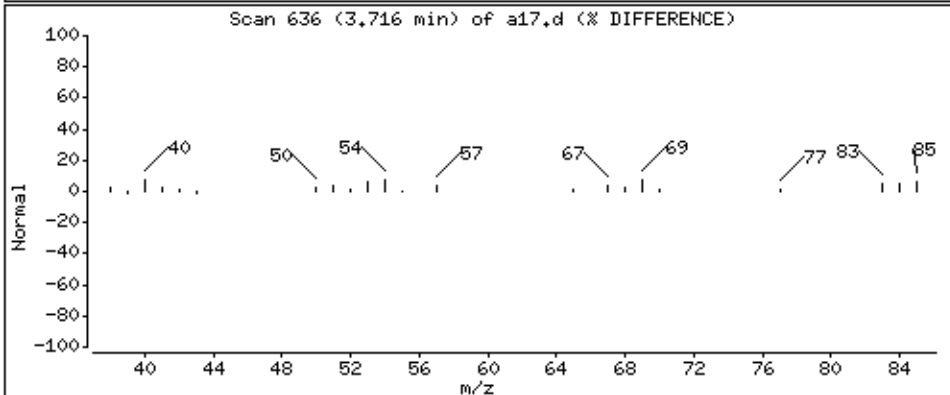
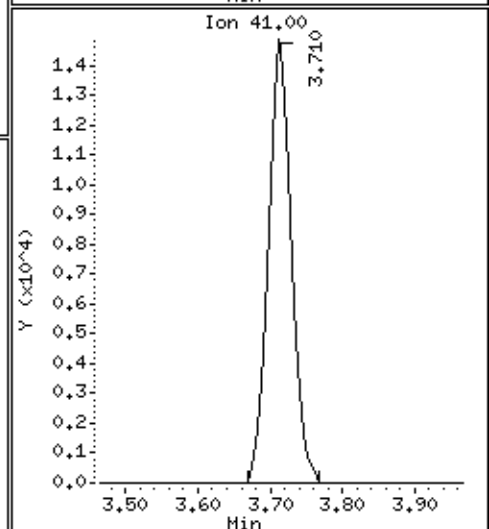
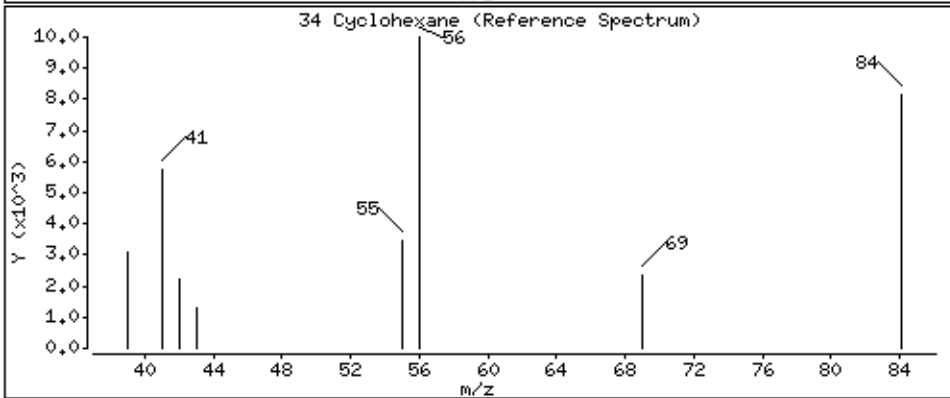
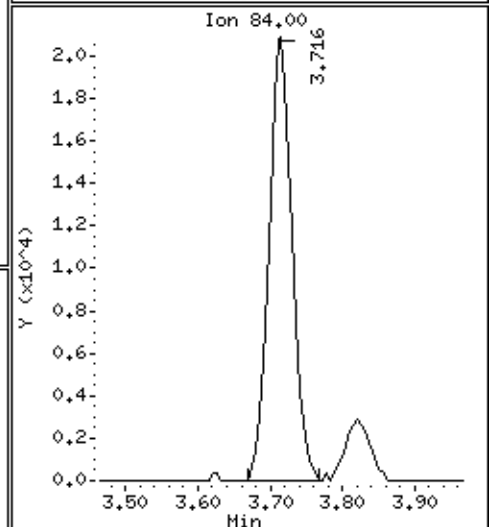
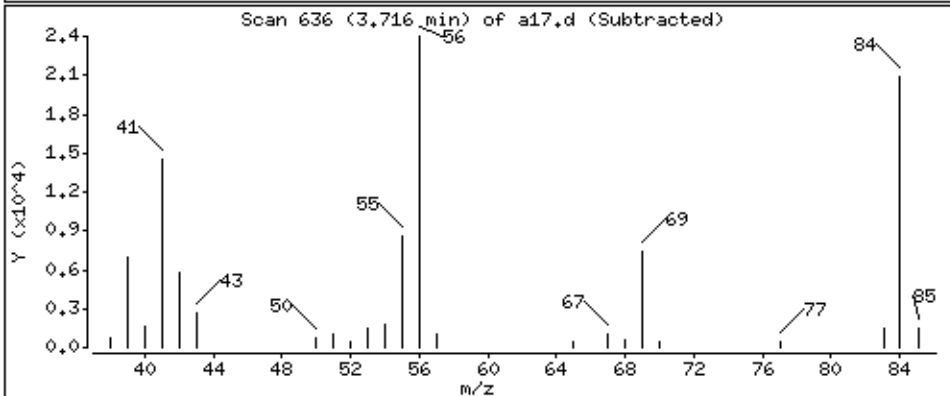
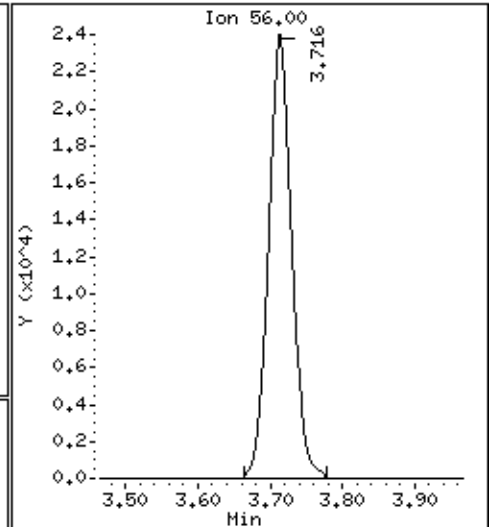
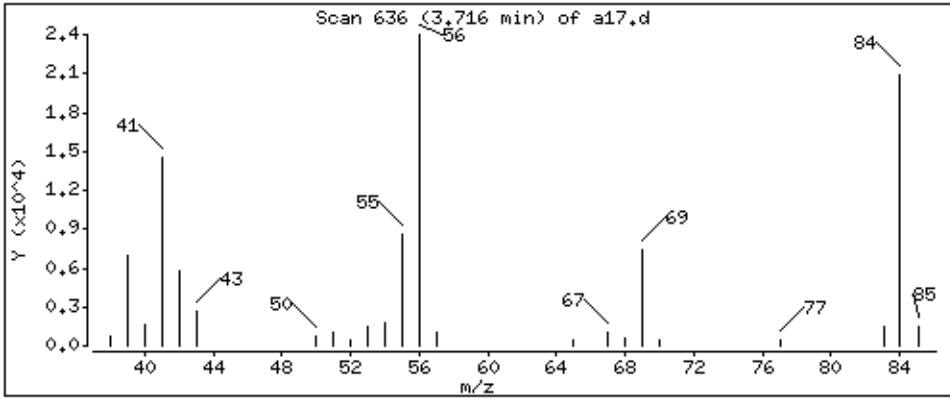
Column phase: DB-624

Column diameter: 0,18

34 Cyclohexane

Concentration: 48,9 ppb

Review Code:



Date : 02-JUL-2014 18:43

Client ID: THW-5(12-14)MS

Instrument: 50mv3a.i

Sample Info: 1122048,71089;5

Operator: jlz

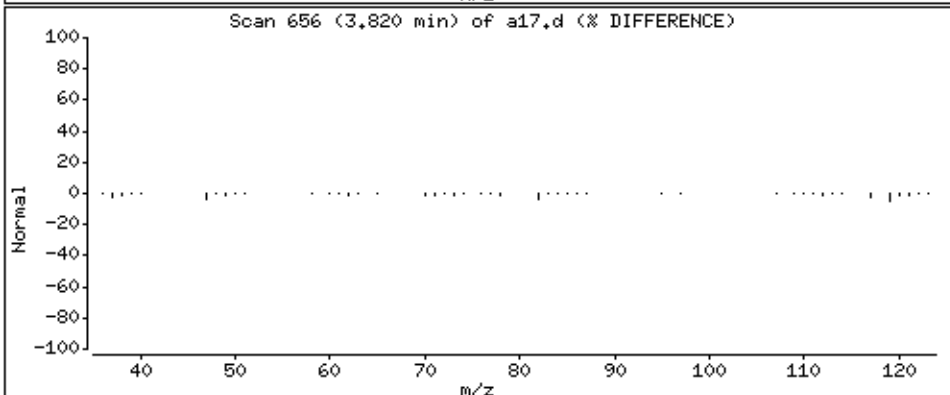
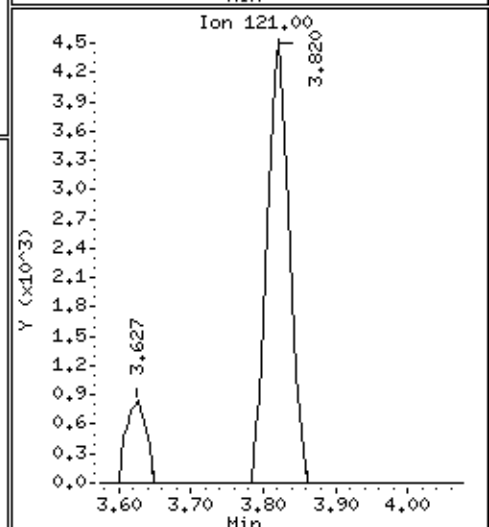
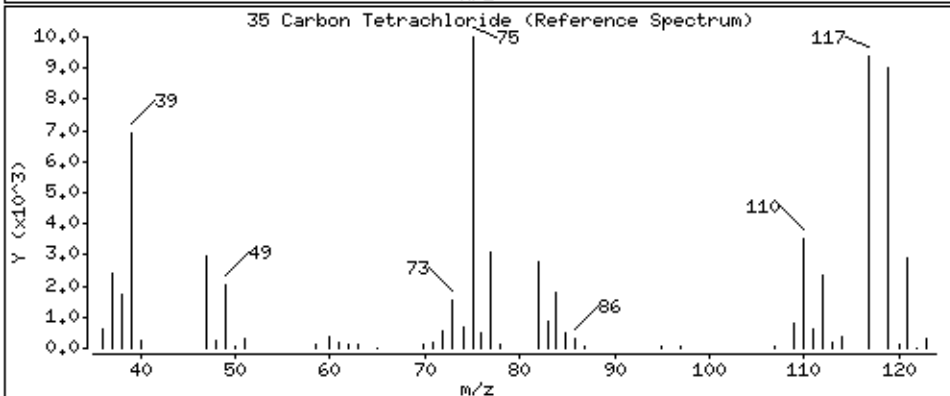
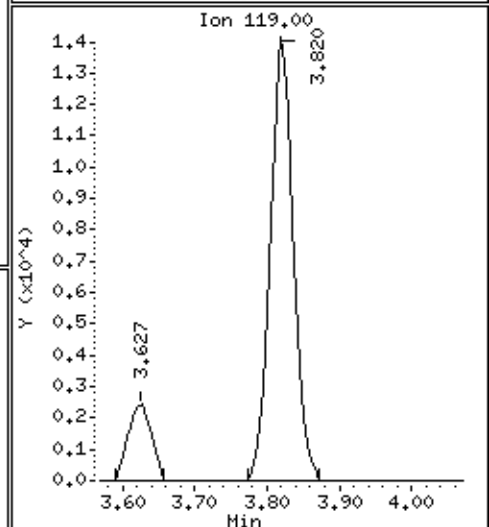
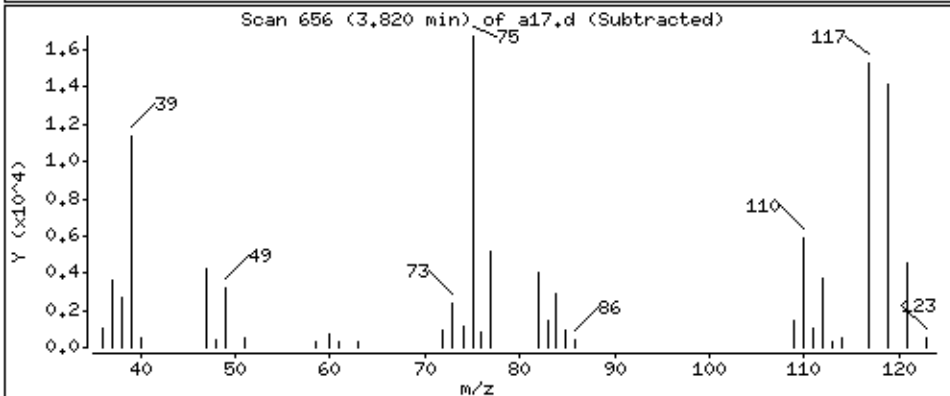
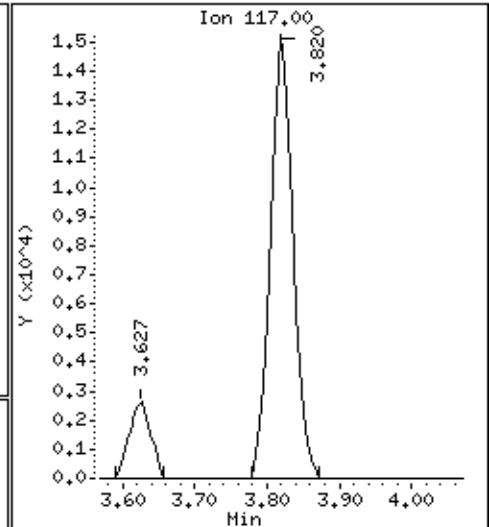
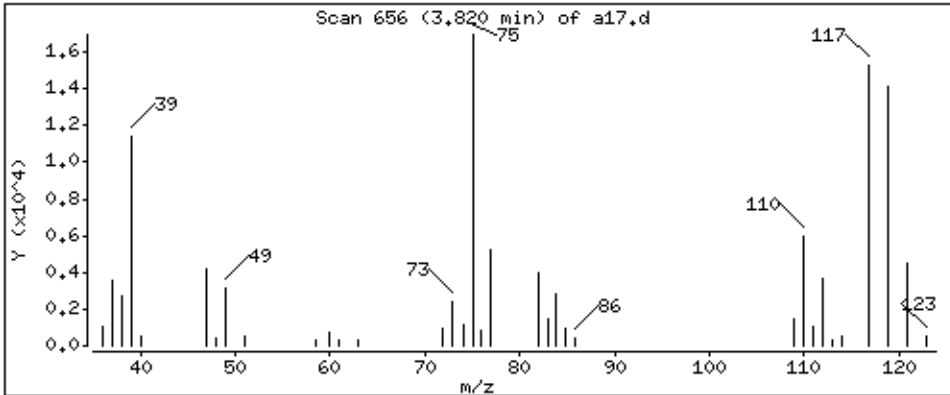
Column phase: DB-624

Column diameter: 0,18

35 Carbon Tetrachloride

Concentration: 42.7 ppb

Review Code:



Date : 02-JUL-2014 18:43

Client ID: THW-5(12-14)MS

Instrument: 50mv3a.i

Sample Info: 1122048,71089;5

Operator: jlz

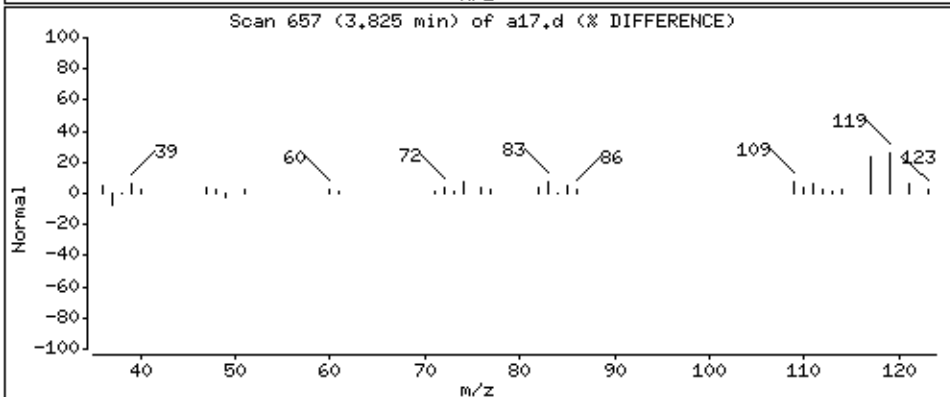
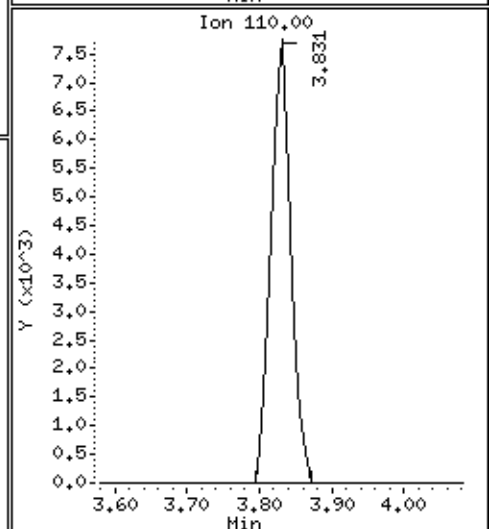
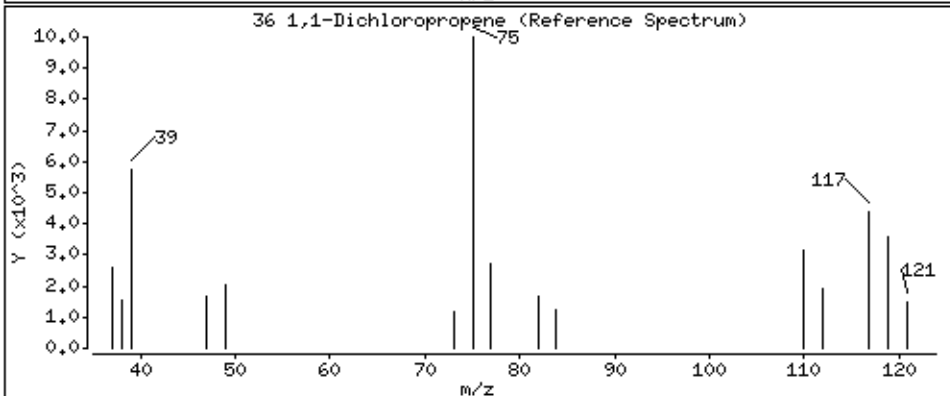
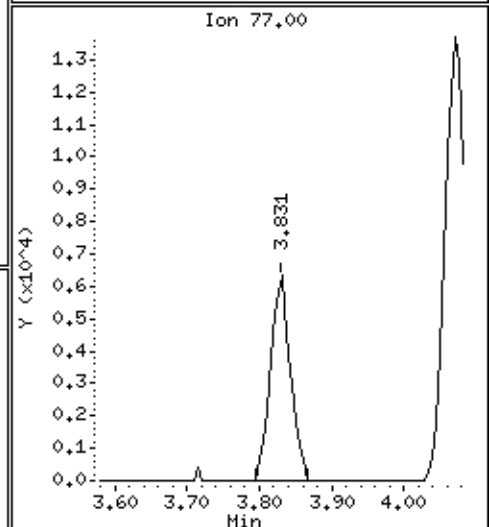
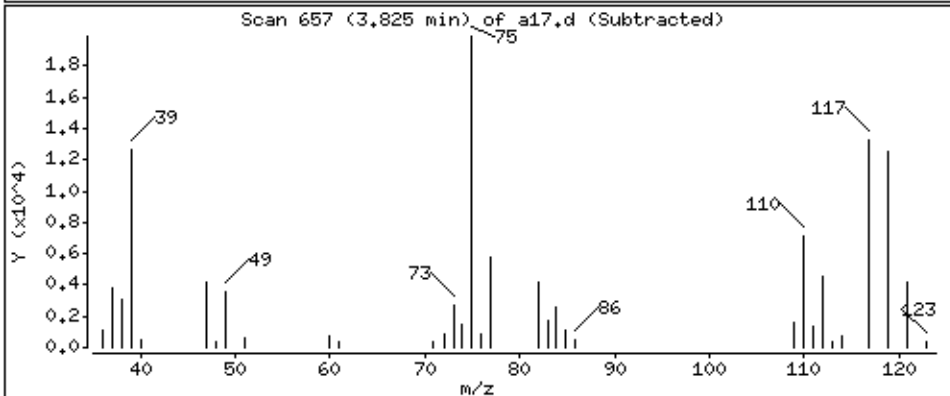
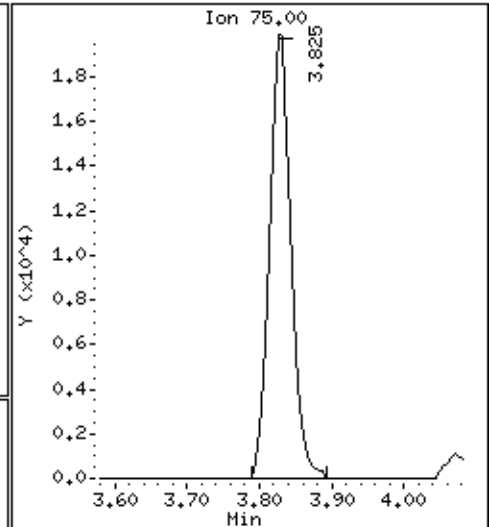
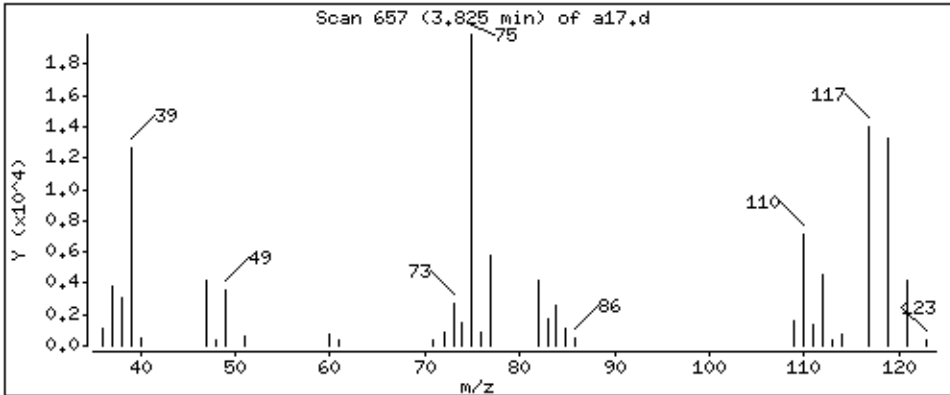
Column phase: DB-624

Column diameter: 0,18

36 1,1-Dichloropropene

Concentration: 43,8 ppb

Review Code:



Date : 02-JUL-2014 18:43

Client ID: THW-5(12-14)MS

Instrument: 50mv3a.i

Sample Info: 1122048,71089;5

Operator: jlz

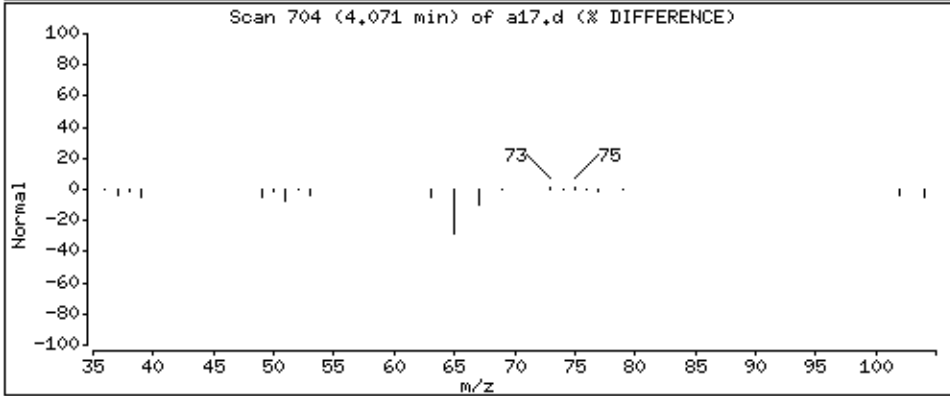
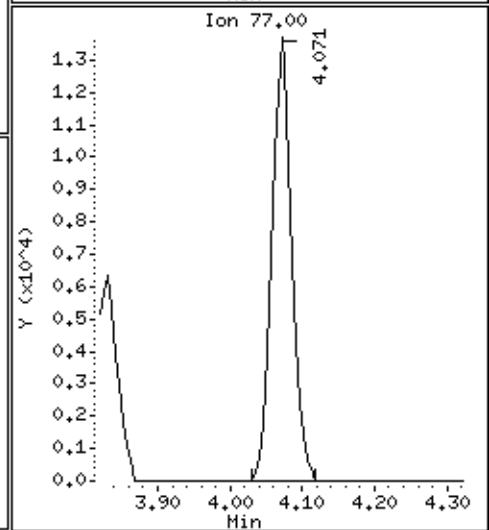
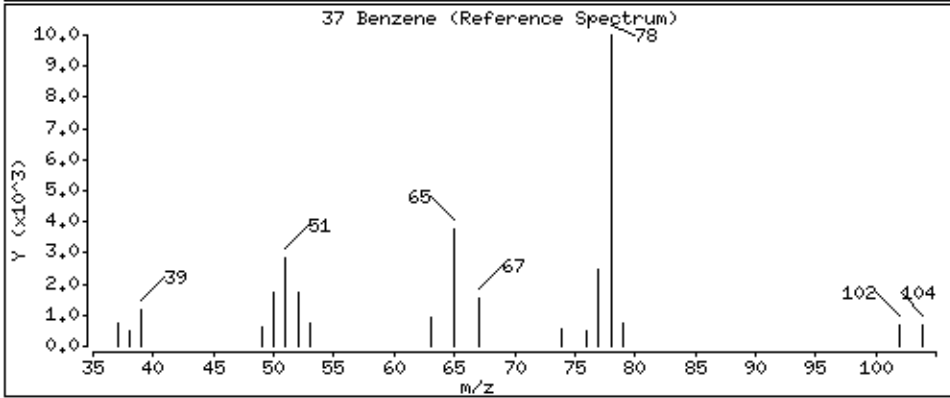
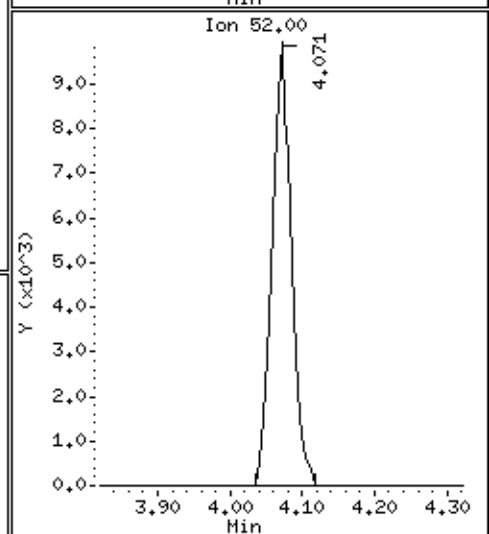
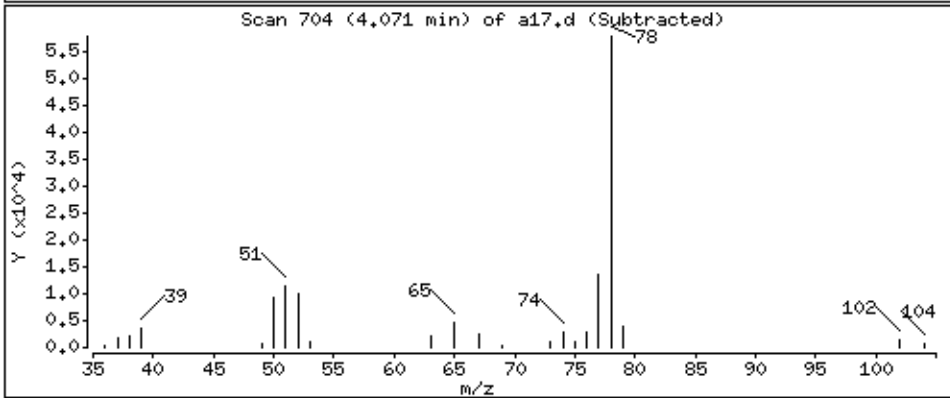
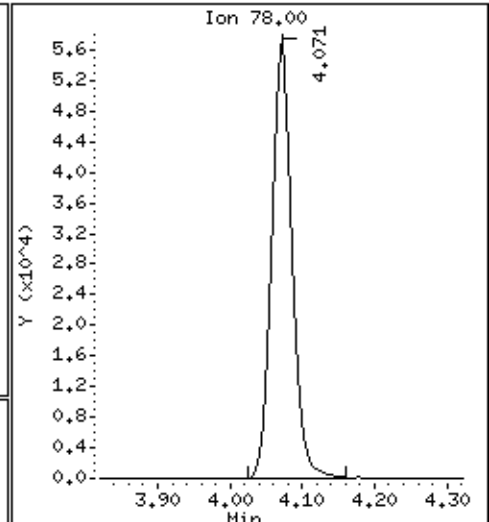
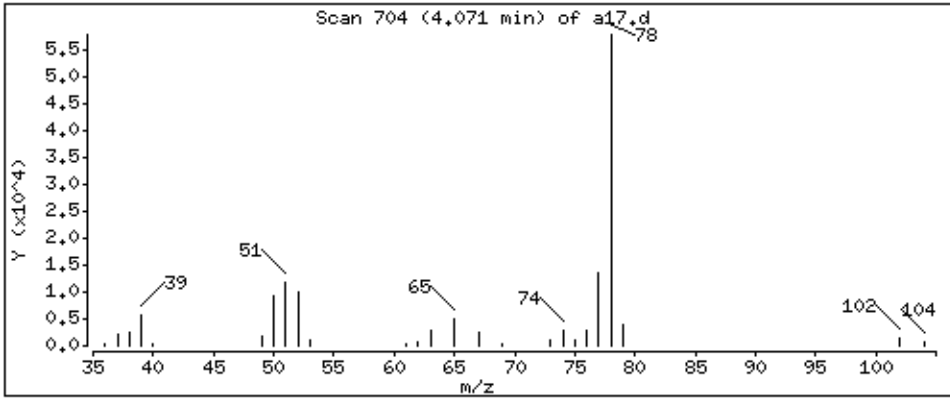
Column phase: DB-624

Column diameter: 0,18

37 Benzene

Concentration: 48,4 ppb

Review Code:



Date : 02-JUL-2014 18:43

Client ID: THW-5(12-14)HS

Instrument: 50mv3a.i

Sample Info: 1122048,71089;5

Operator: jlz

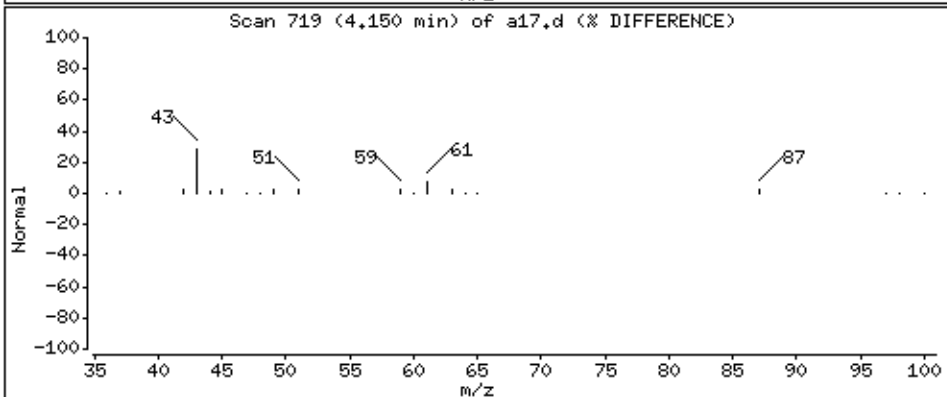
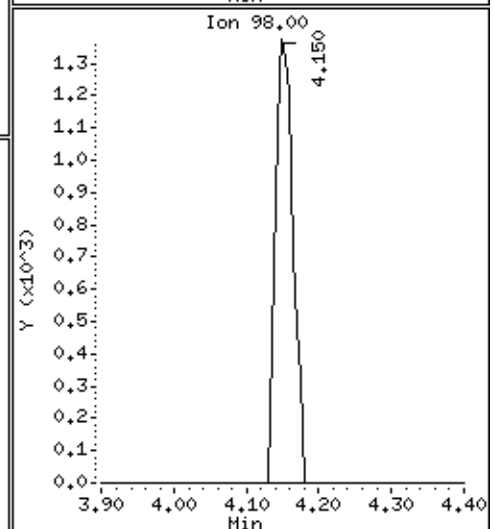
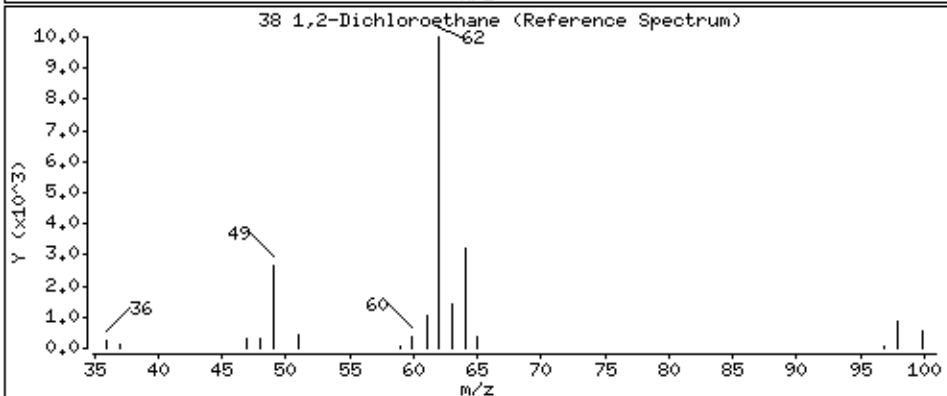
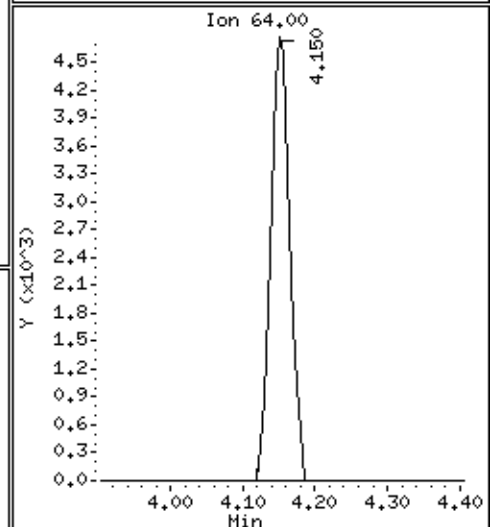
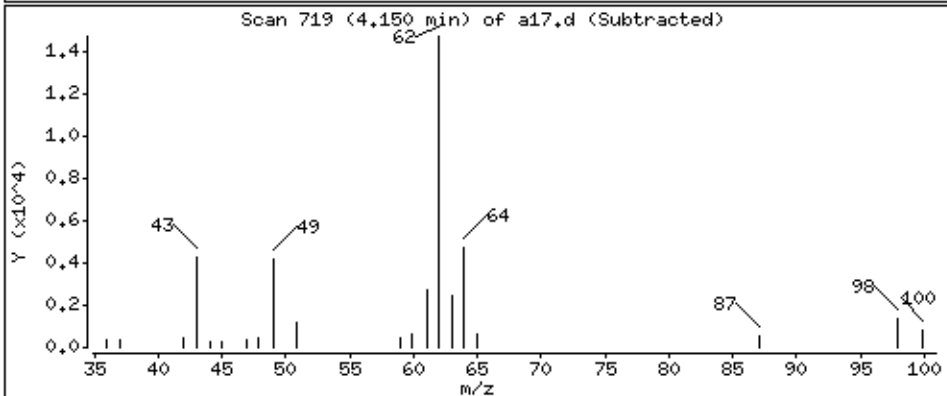
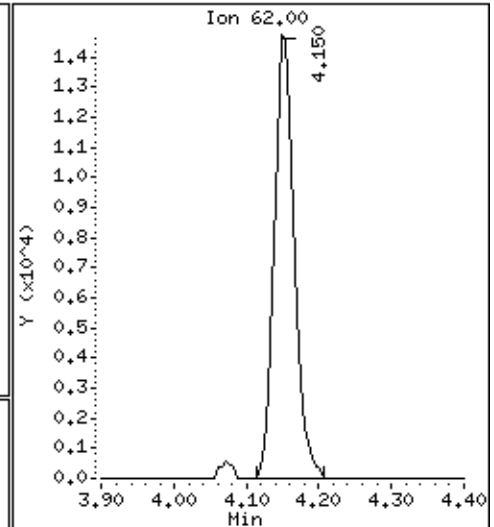
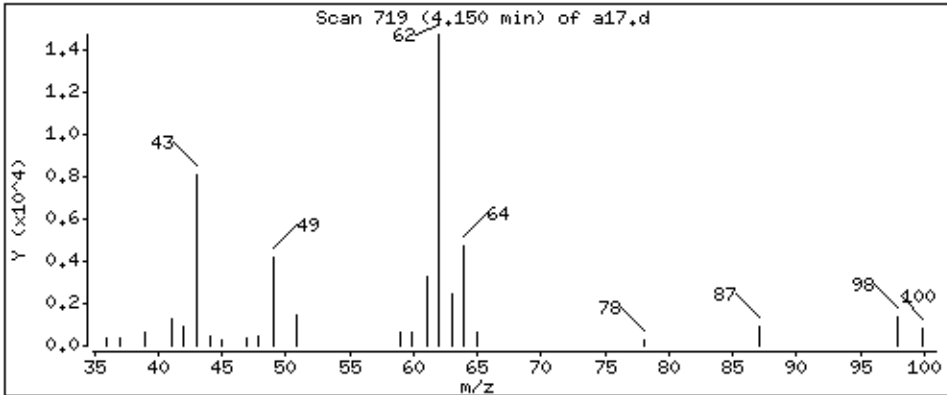
Column phase: DB-624

Column diameter: 0,18

38 1,2-Dichloroethane

Concentration: 42.7 ppb

Review Code:



Date : 02-JUL-2014 18:43

Client ID: THW-5(12-14)MS

Instrument: 50mv3a.i

Sample Info: 1122048,71089;5

Operator: jlz

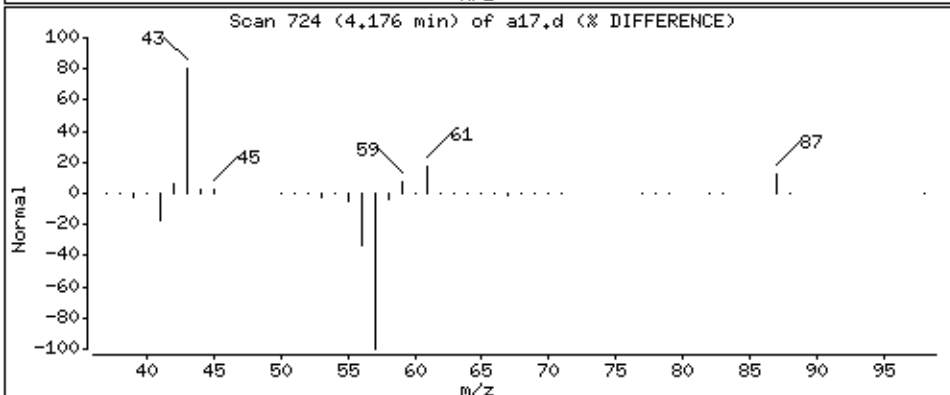
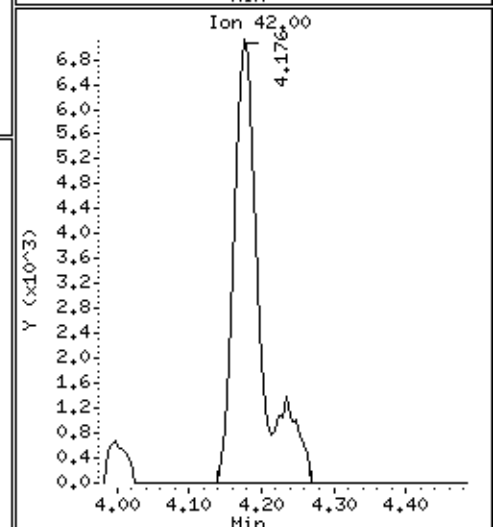
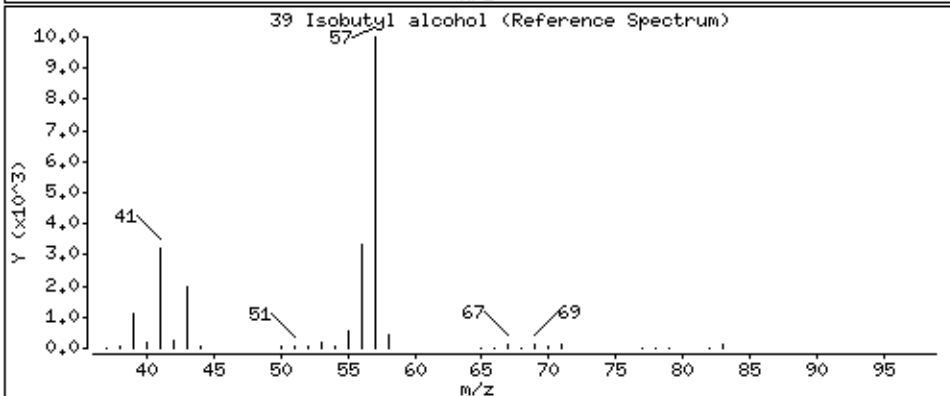
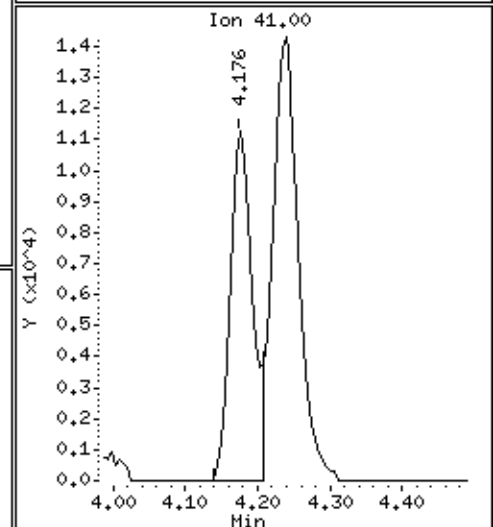
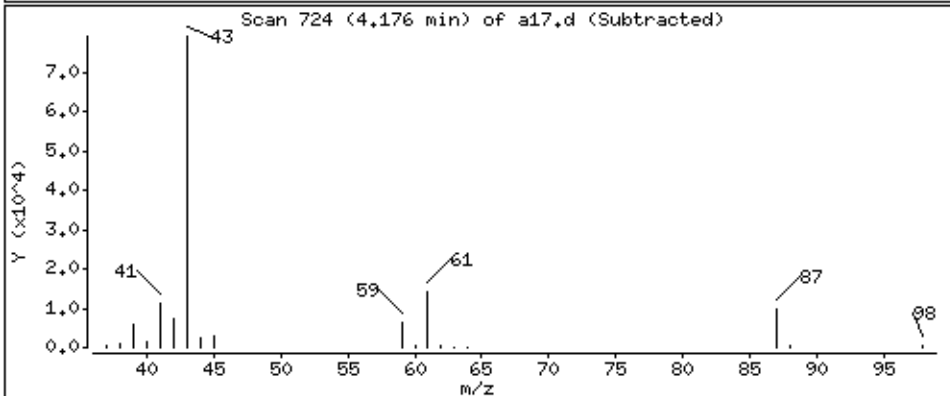
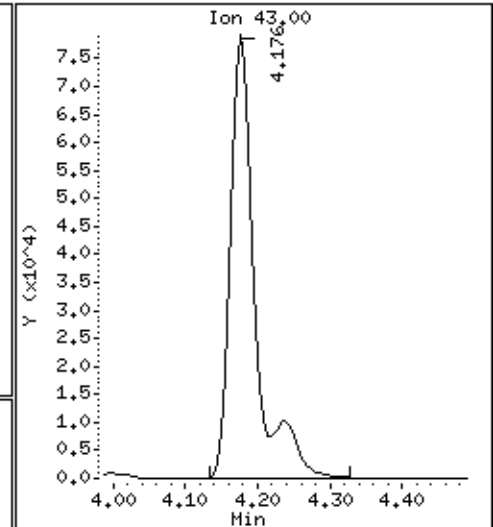
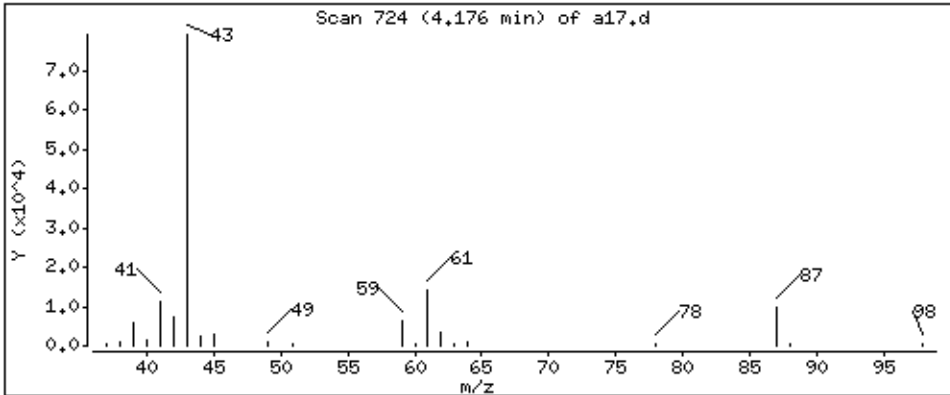
Column phase: DB-624

Column diameter: 0,18

39 Isobutyl alcohol

Concentration: 355 ppb

Review Code:



Date : 02-JUL-2014 18:43

Client ID: THW-5(12-14)MS

Instrument: 50mv3a.i

Sample Info: 1122048,71089;5

Operator: jlz

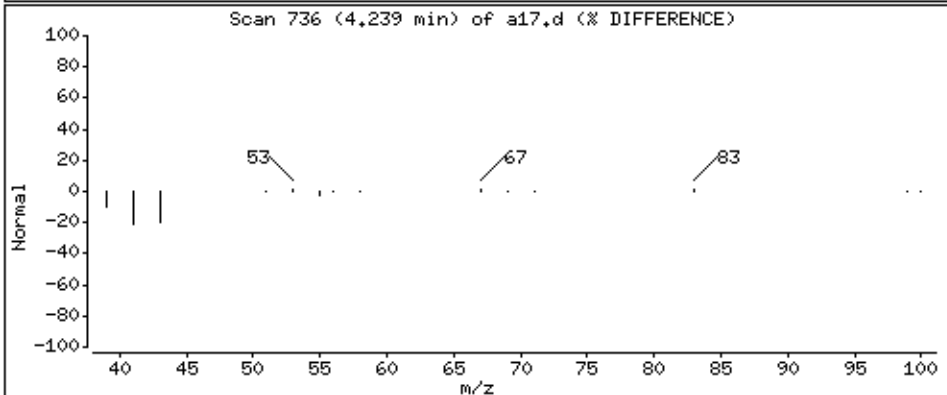
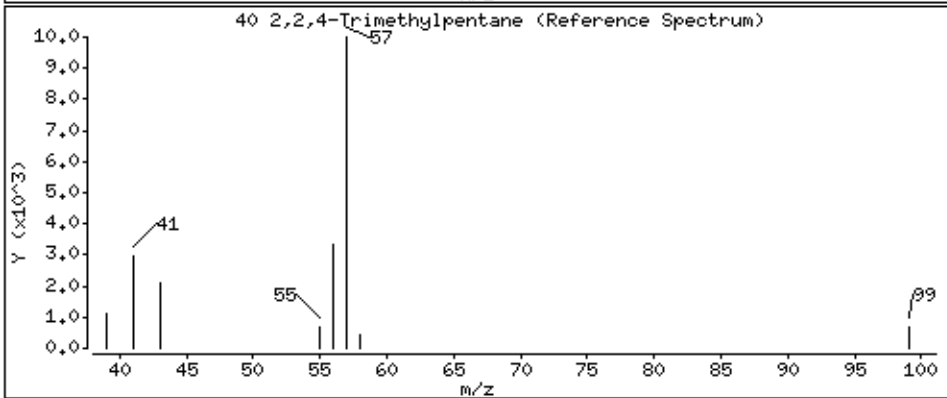
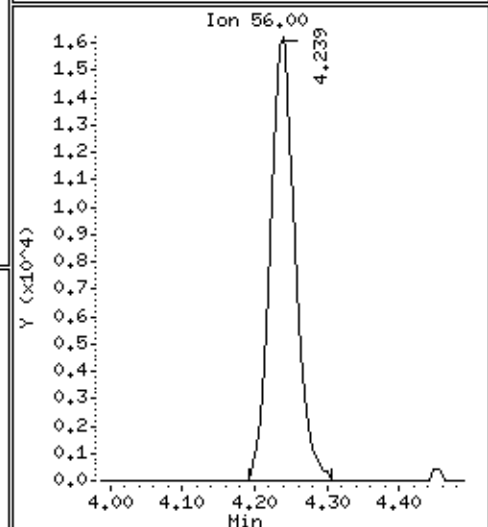
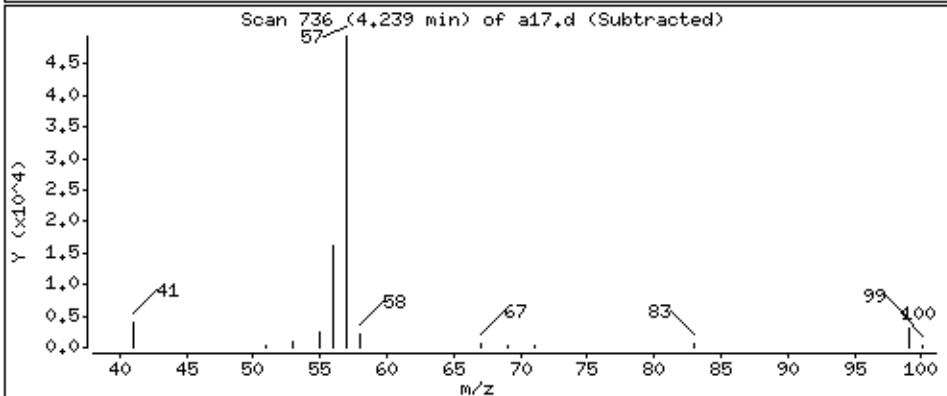
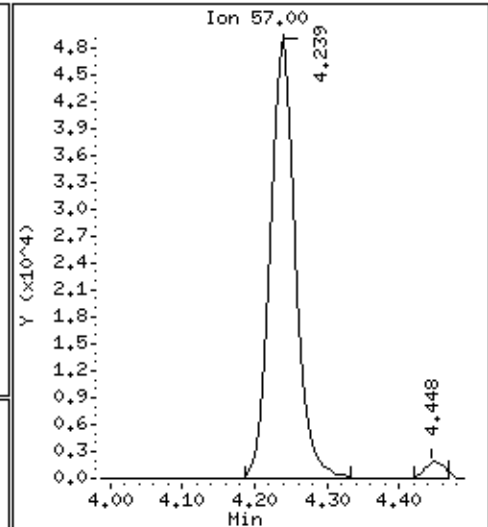
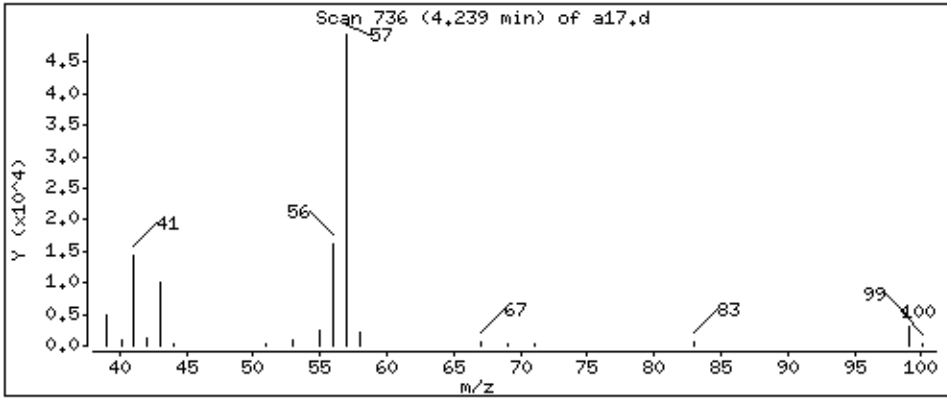
Column phase: DB-624

Column diameter: 0,18

40 2,2,4-Trimethylpentane

Concentration: 44,2 ppb

Review Code:



Date : 02-JUL-2014 18:43

Client ID: THW-5(12-14)HS

Instrument: 50mv3a.i

Sample Info: 1122048,71089;5

Operator: jlz

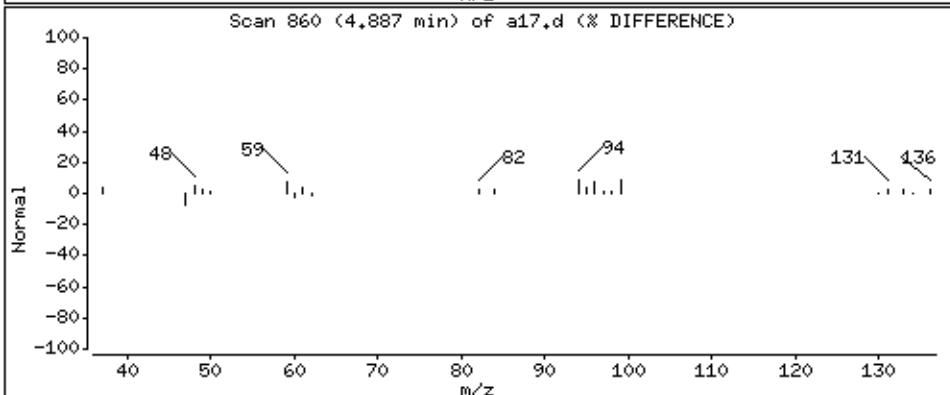
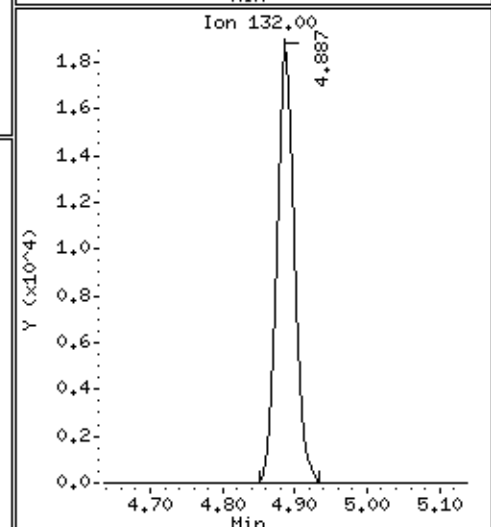
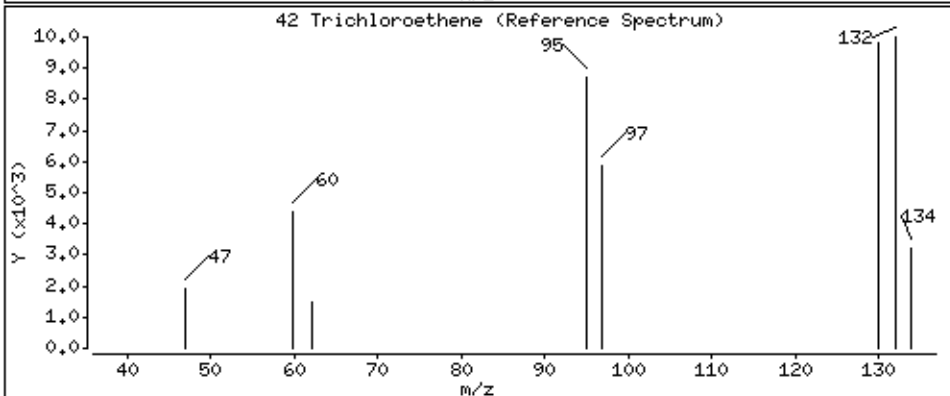
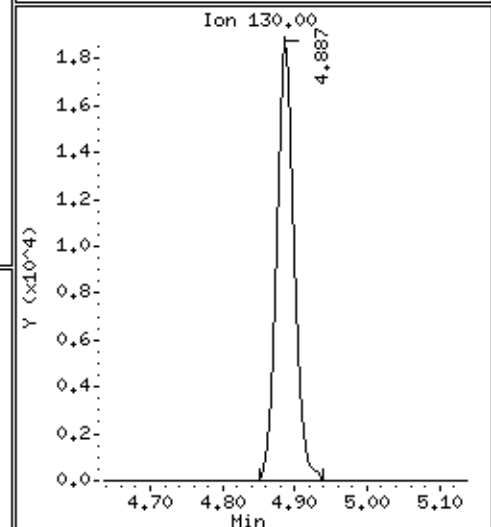
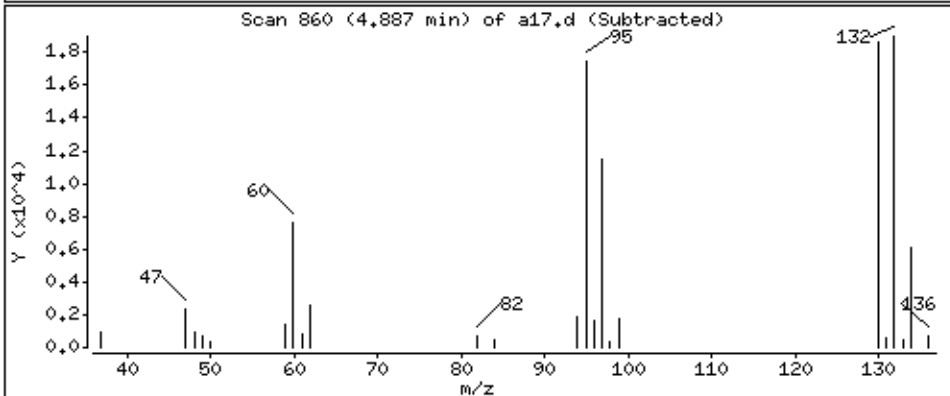
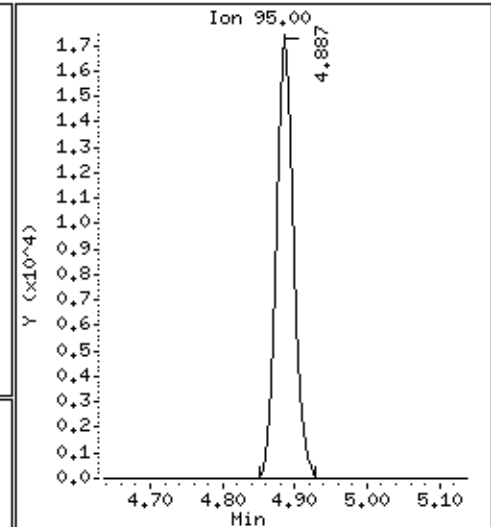
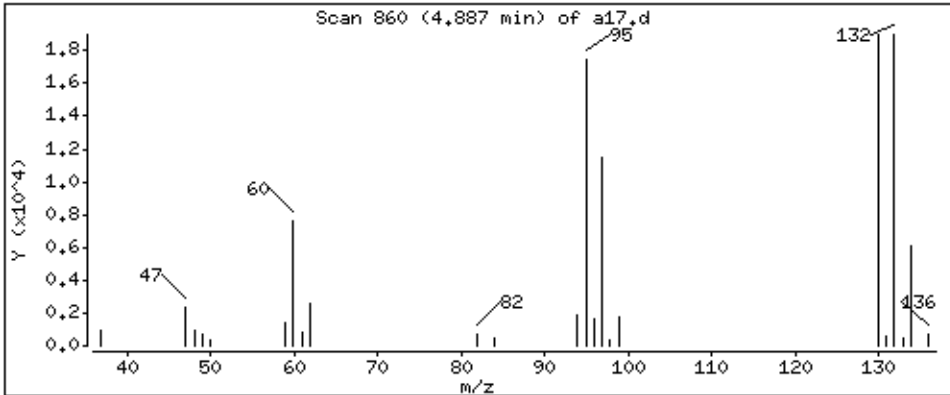
Column phase: DB-624

Column diameter: 0,18

42 Trichloroethene

Concentration: 46,3 ppb

Review Code:



Date : 02-JUL-2014 18:43

Client ID: THW-5(12-14)MS

Instrument: 50mv3a.i

Sample Info: 1122048,71089;5

Operator: jlz

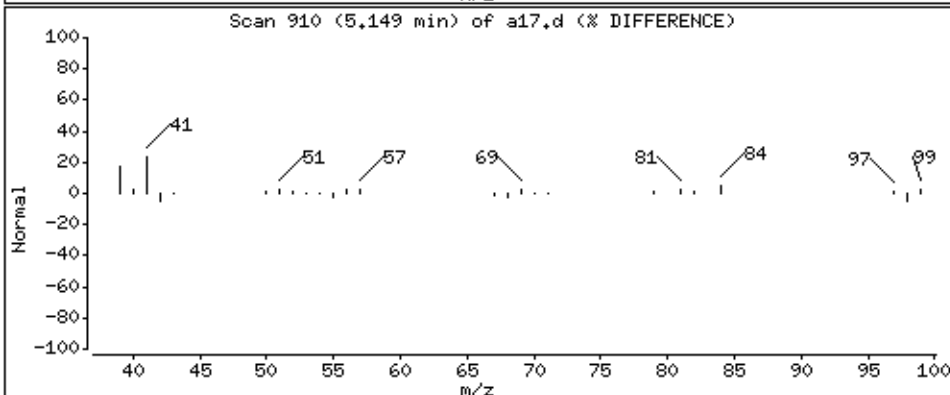
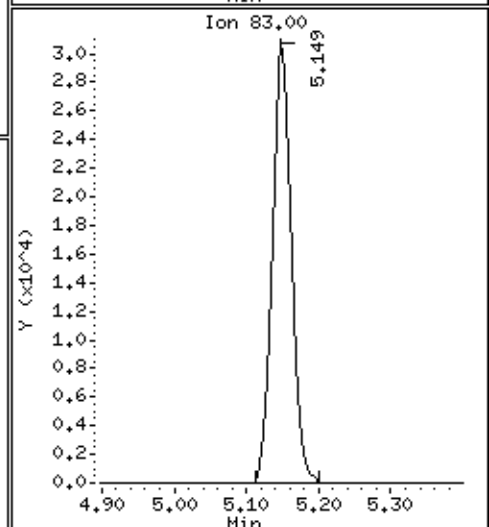
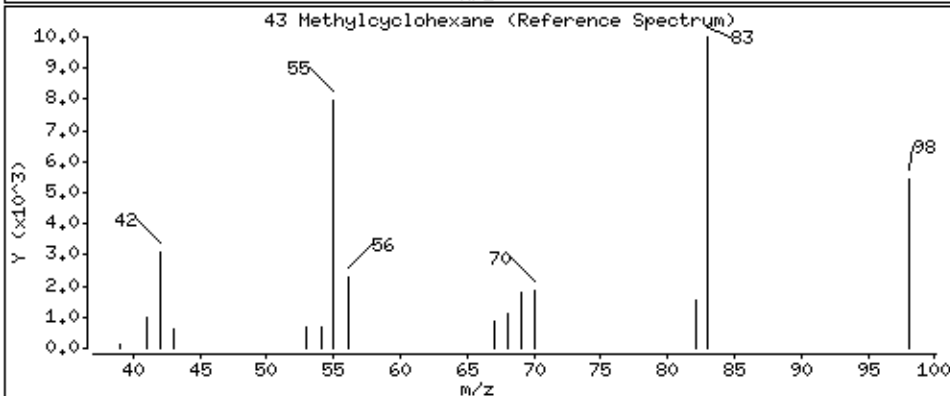
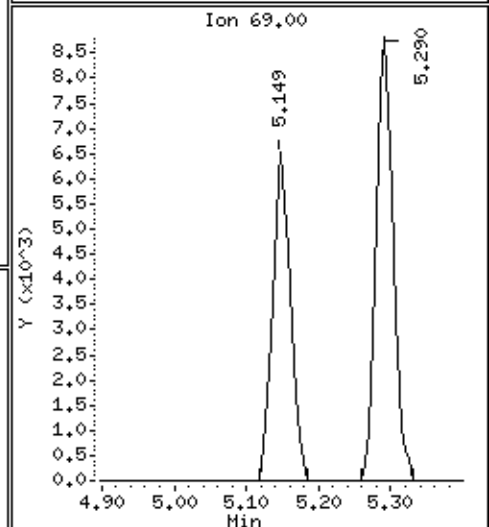
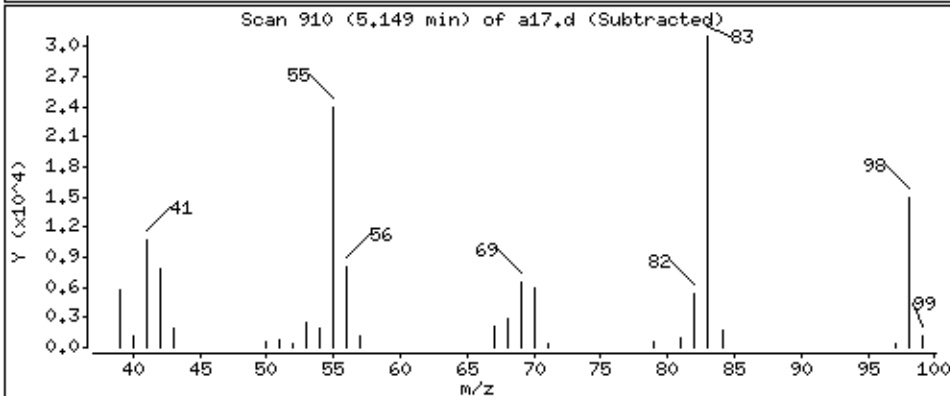
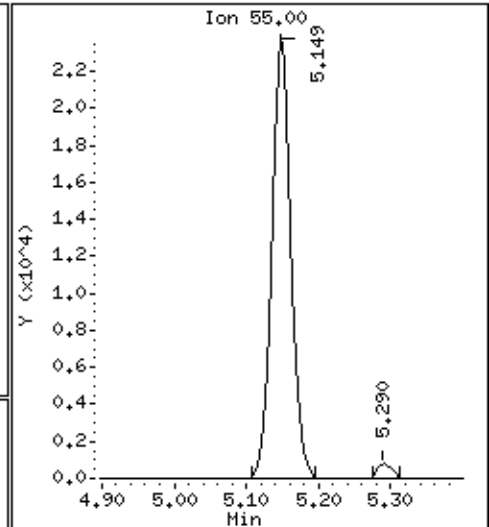
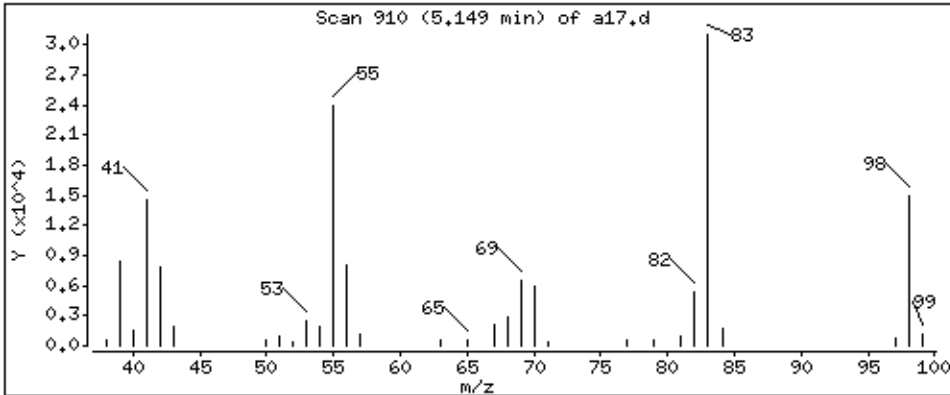
Column phase: DB-624

Column diameter: 0,18

43 Methylcyclohexane

Concentration: 47.4 ppb

Review Code:



Date : 02-JUL-2014 18:43

Client ID: THW-5(12-14)MS

Instrument: 50mv3a.i

Sample Info: 1122048,71089;5

Operator: jlz

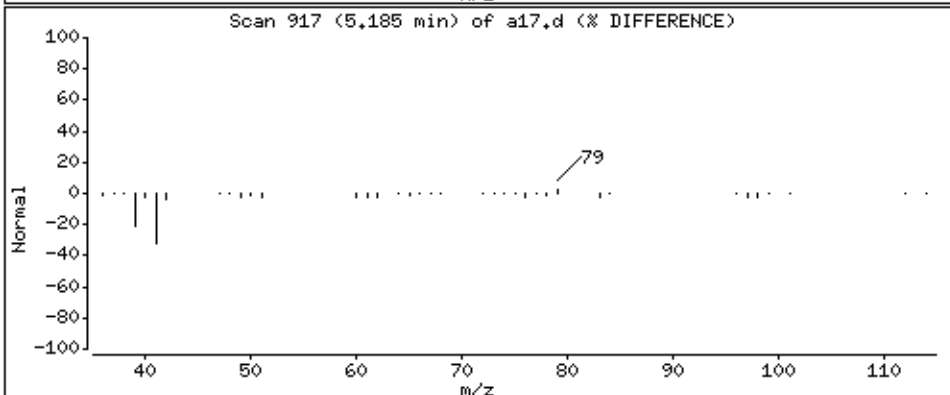
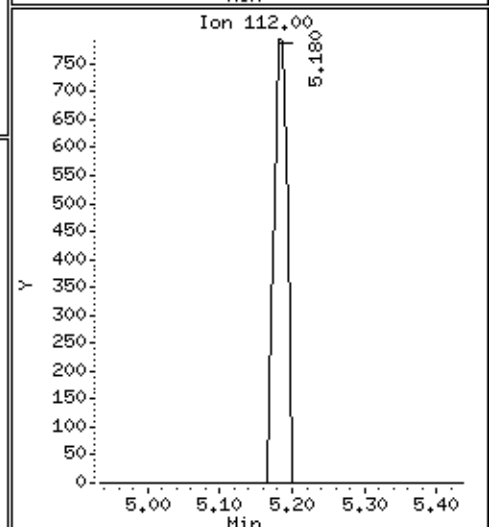
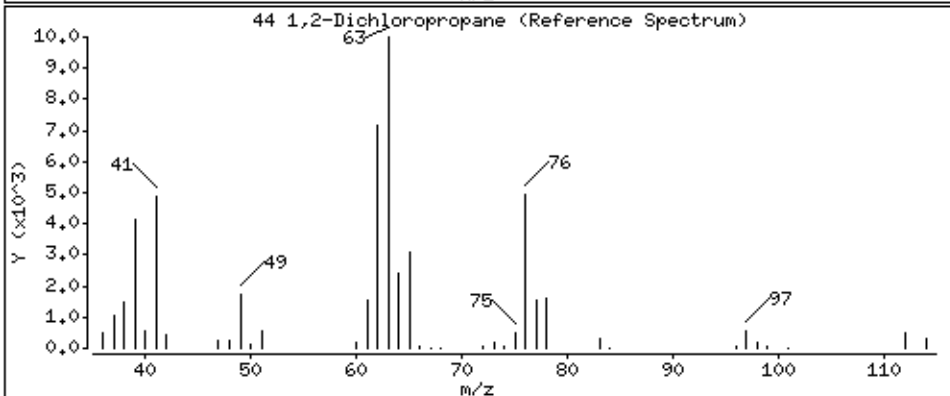
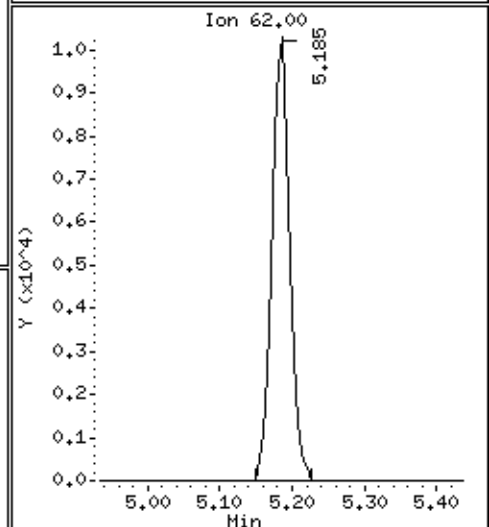
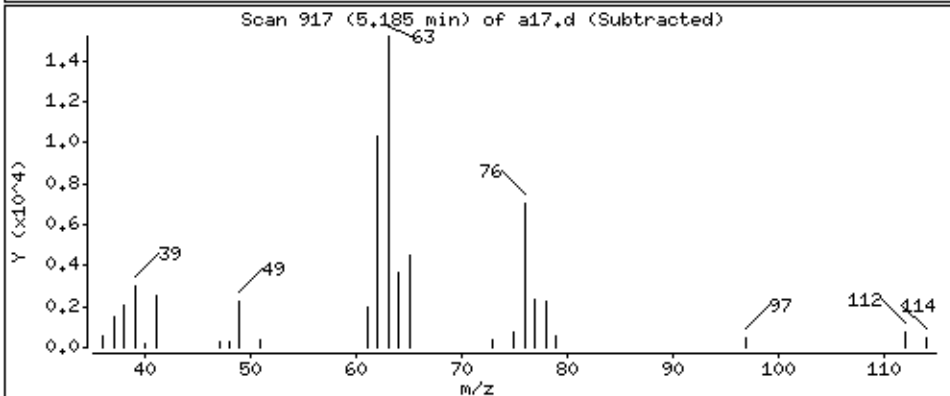
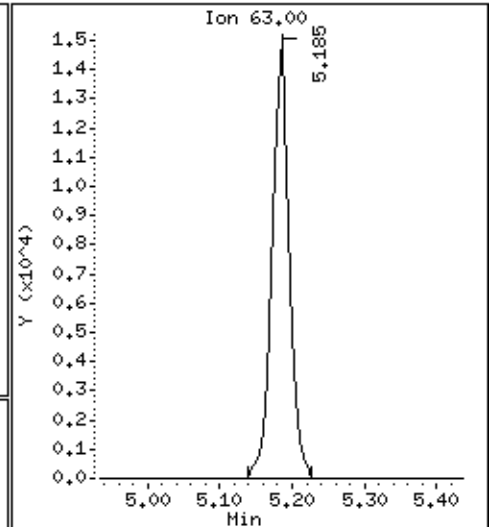
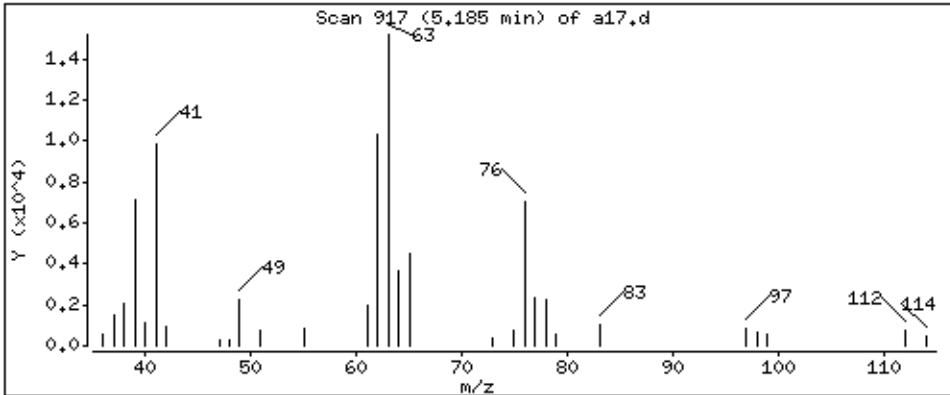
Column phase: DB-624

Column diameter: 0,18

44 1,2-Dichloropropane

Concentration: 46,7 ppb

Review Code:



Date : 02-JUL-2014 18:43

Client ID: THW-5(12-14)MS

Instrument: 50mv3a.i

Sample Info: 1122048,71089;5

Operator: jlz

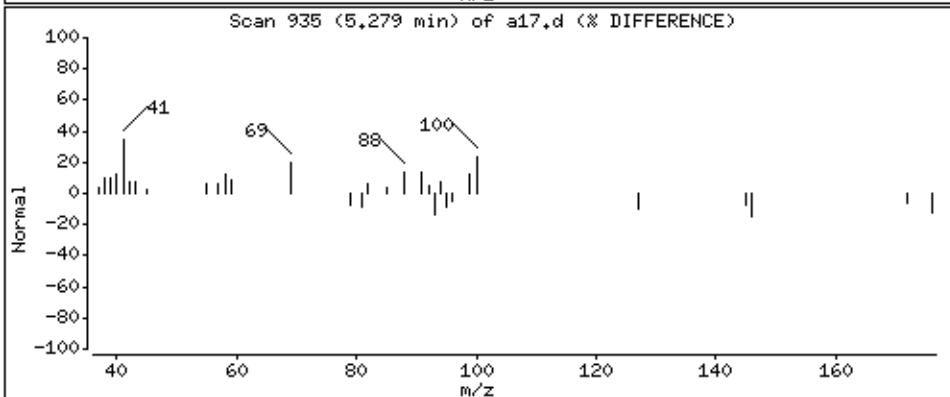
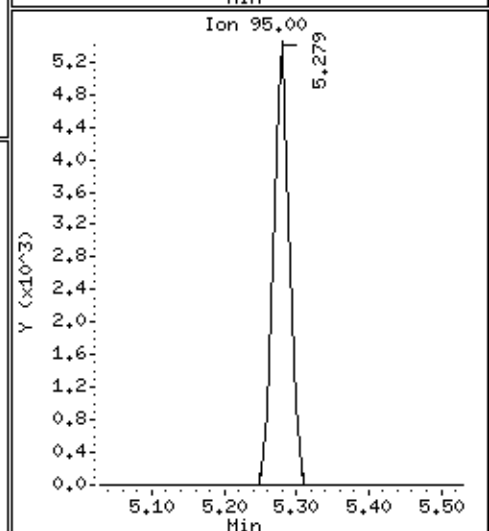
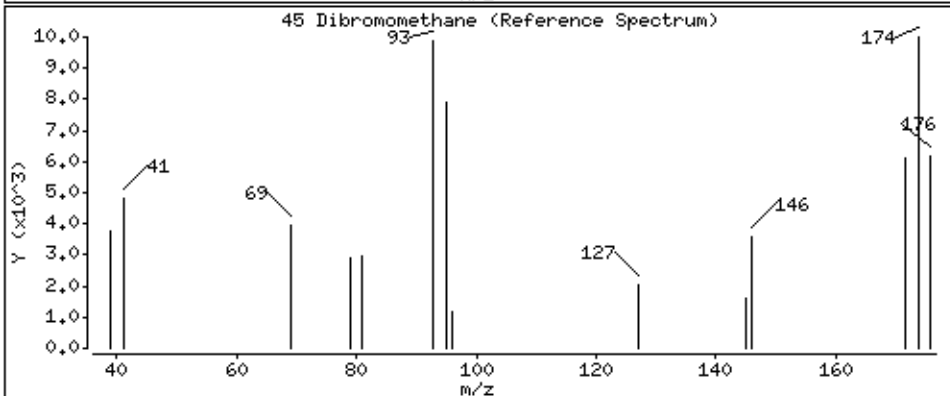
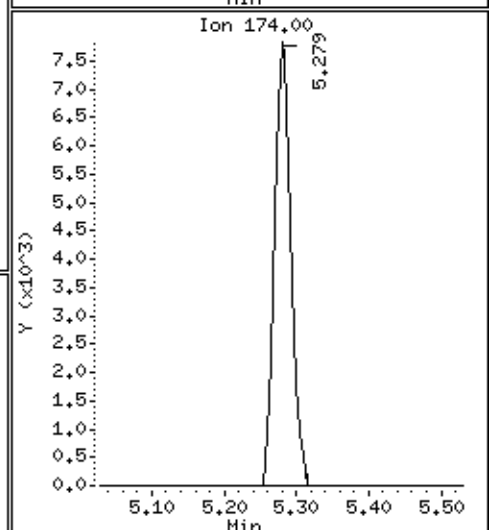
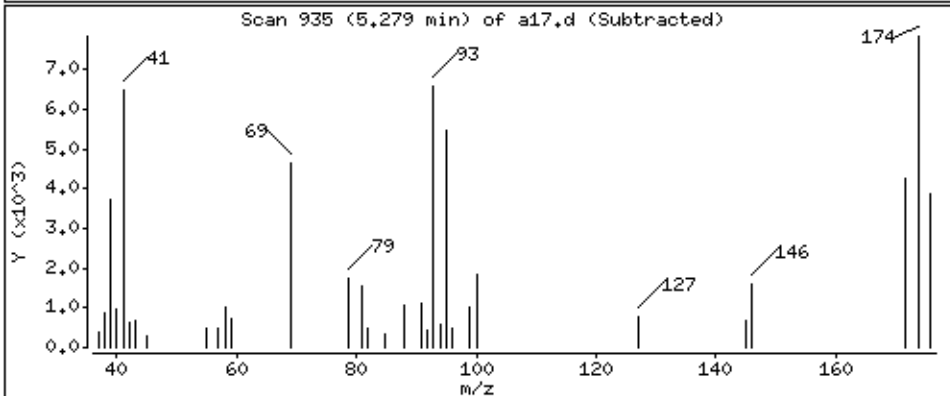
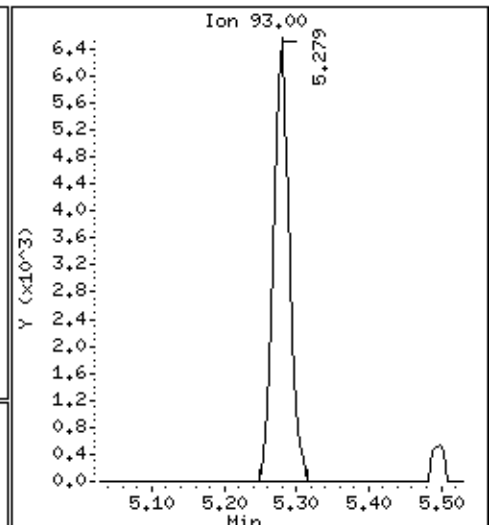
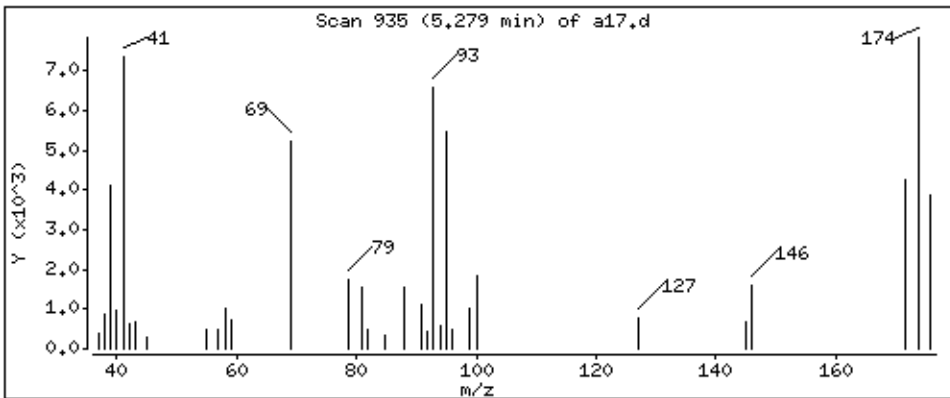
Column phase: DB-624

Column diameter: 0,18

45 Dibromomethane

Concentration: 43.2 ppb

Review Code:



Date : 02-JUL-2014 18:43

Client ID: THW-5(12-14)MS

Instrument: 50mv3a.i

Sample Info: 1122048,71089;5

Operator: jlz

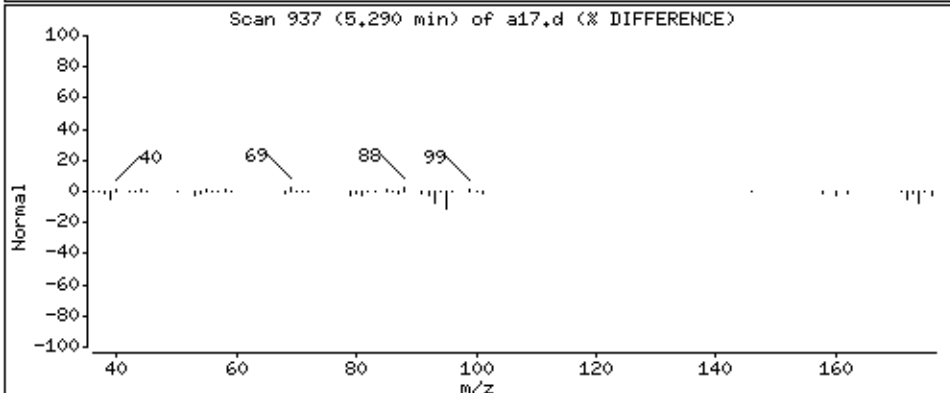
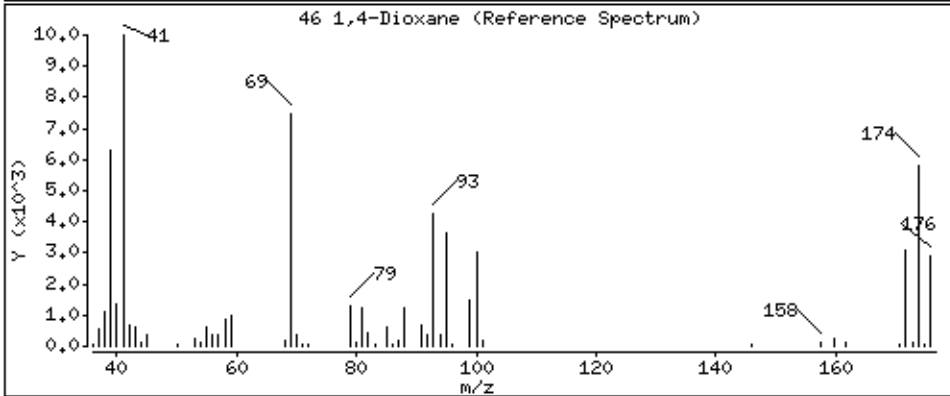
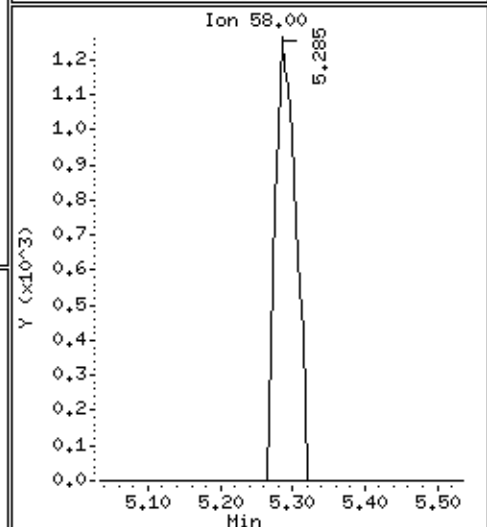
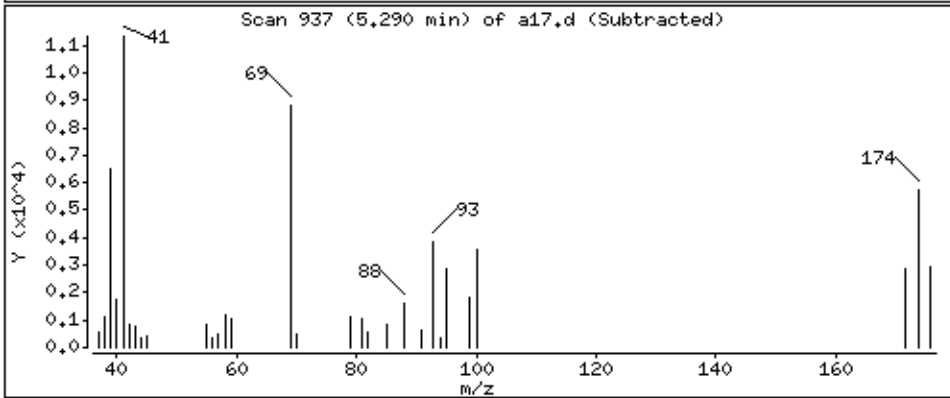
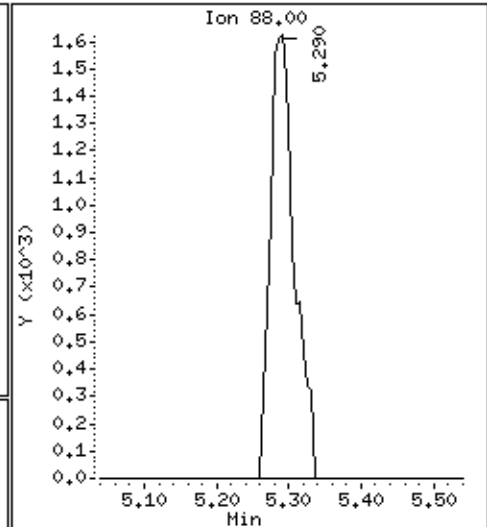
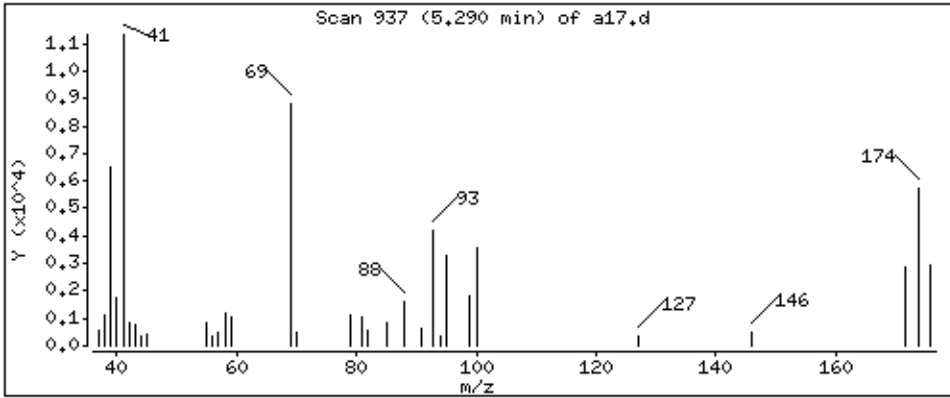
Column phase: DB-624

Column diameter: 0,18

46 1,4-Dioxane

Concentration: 1070 ppb

Review Code:



Date : 02-JUL-2014 18:43

Client ID: THW-5(12-14)MS

Instrument: 50mv3a.i

Sample Info: 1122048,71089;5

Operator: jlz

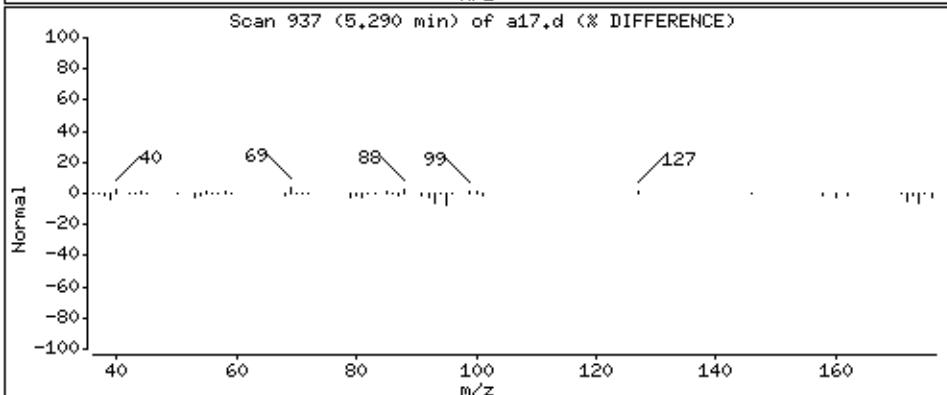
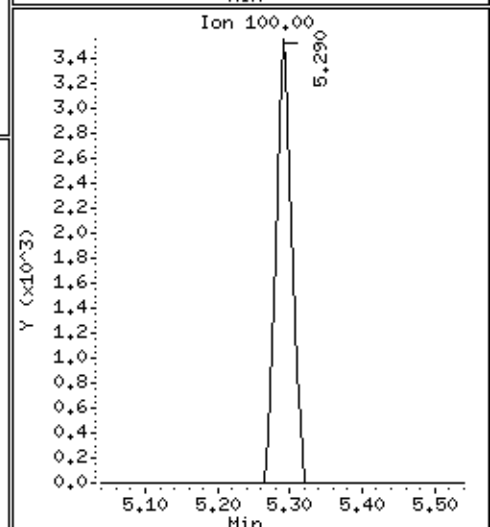
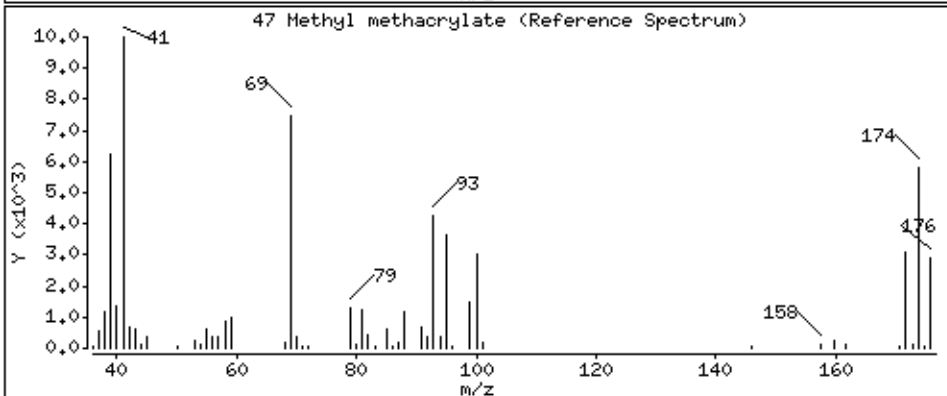
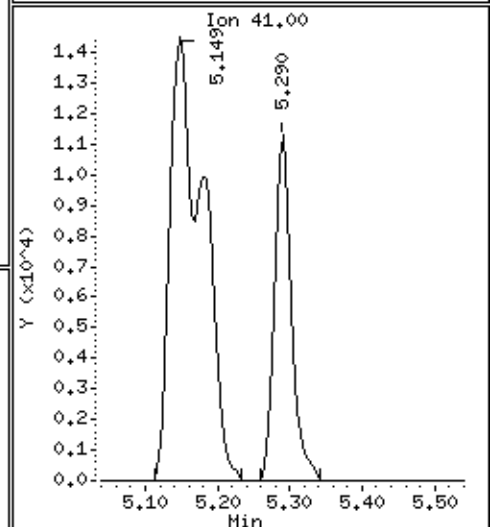
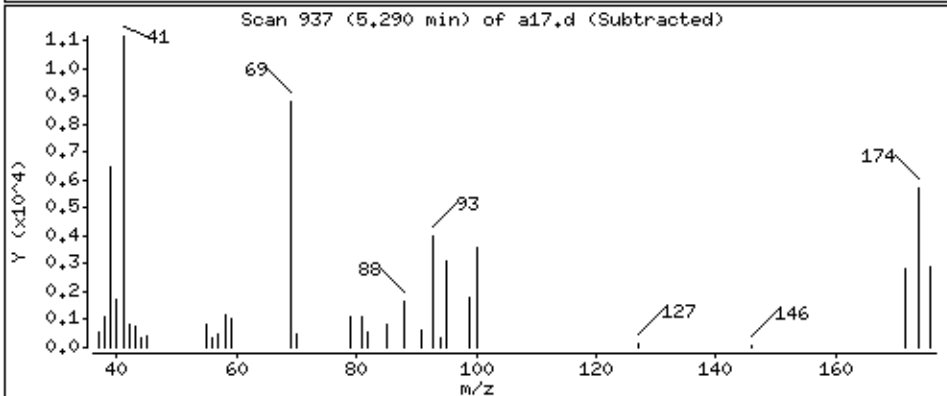
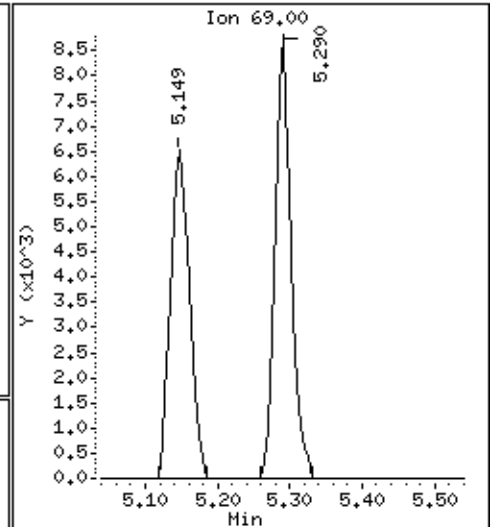
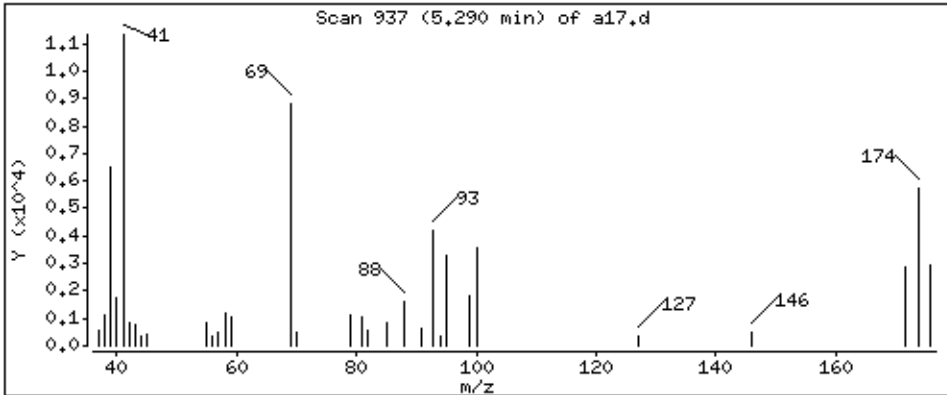
Column phase: DB-624

Column diameter: 0,18

47 Methyl methacrylate

Concentration: 52.9 ppb

Review Code:



Date : 02-JUL-2014 18:43

Client ID: THW-5(12-14)MS

Instrument: 50mv3a.i

Sample Info: 1122048,71089;5

Operator: jlz

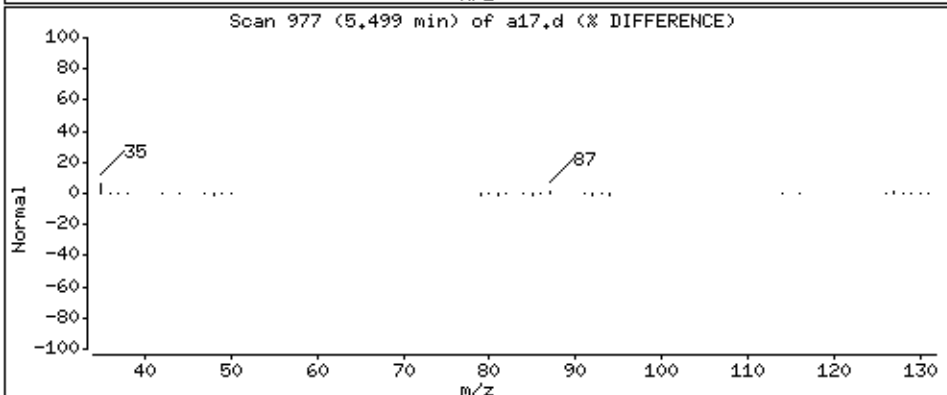
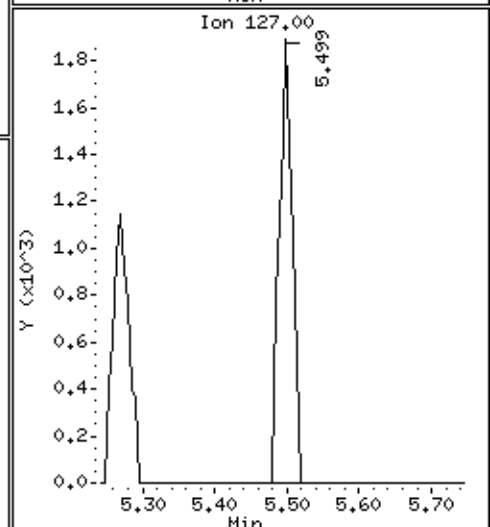
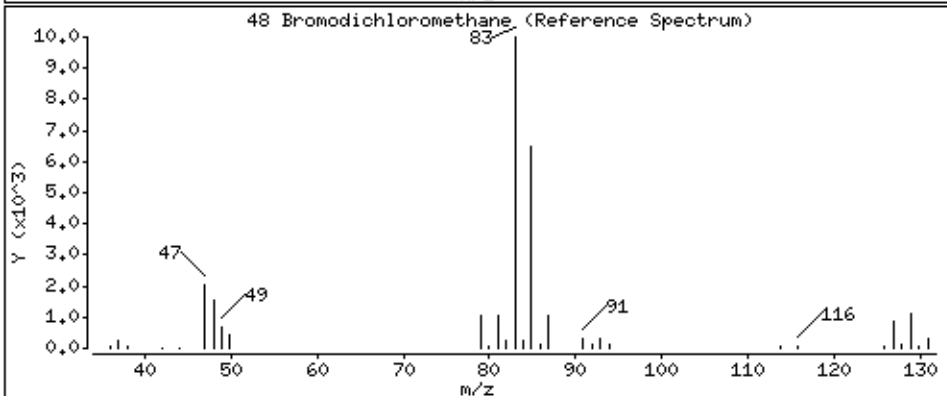
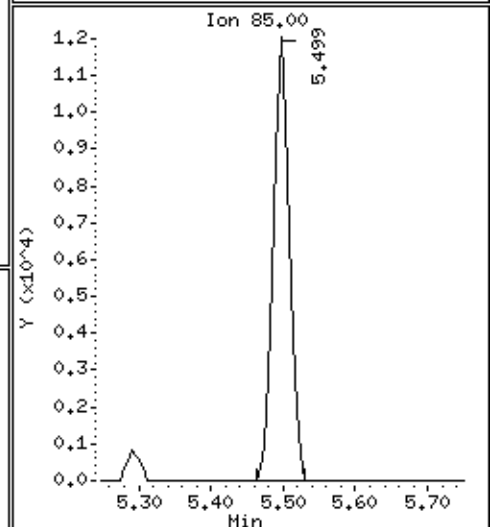
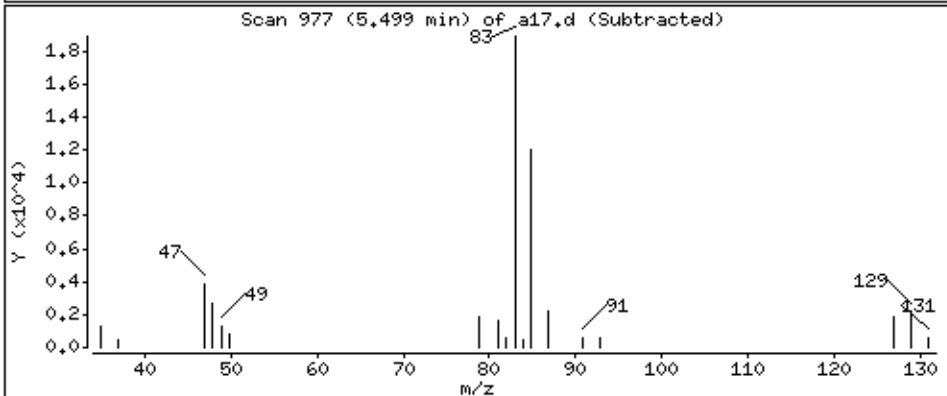
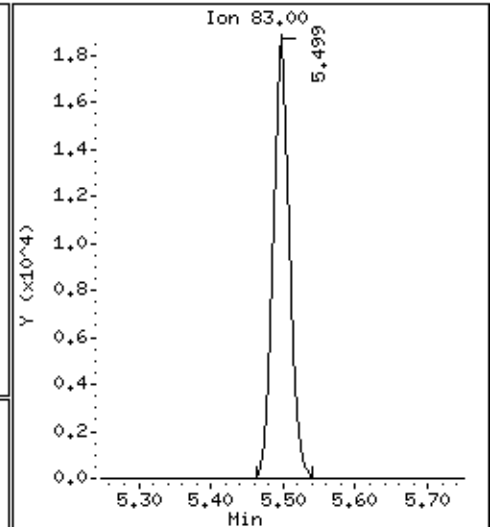
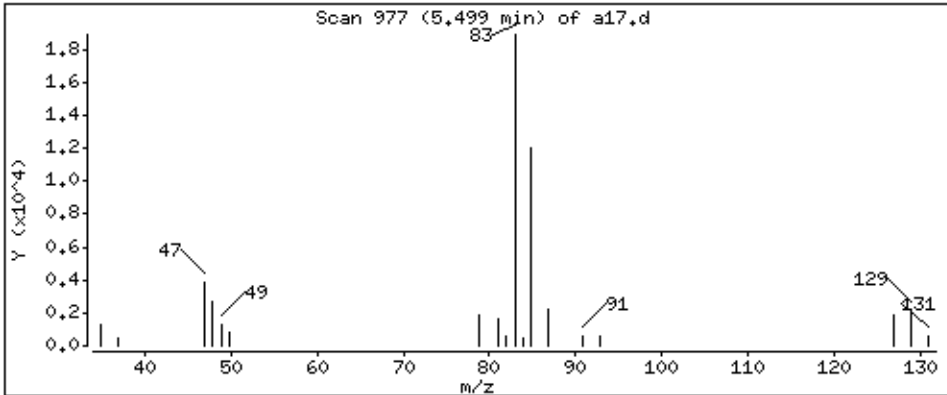
Column phase: DB-624

Column diameter: 0,18

48 Bromodichloromethane

Concentration: 44,2 ppb

Review Code:



Date : 02-JUL-2014 18:43

Client ID: THW-5(12-14)MS

Instrument: 50mv3a.i

Sample Info: 1122048,71089;5

Operator: jlz

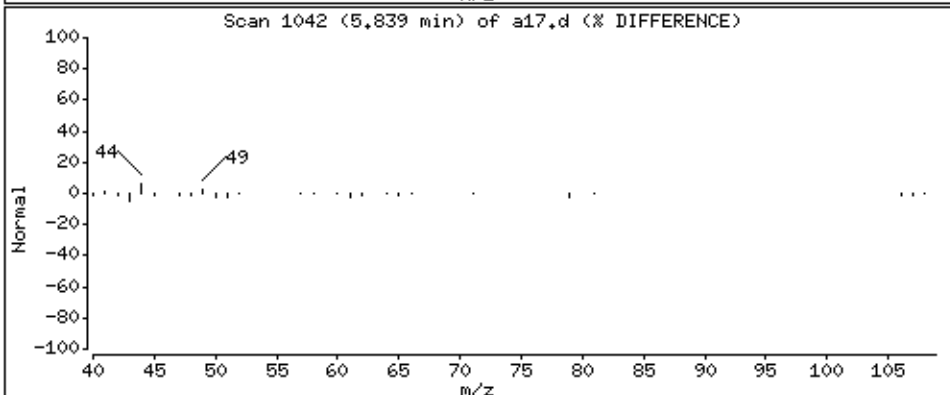
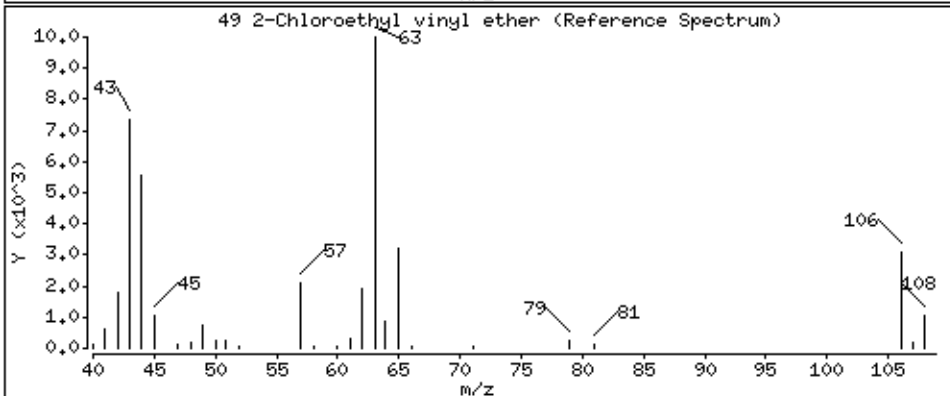
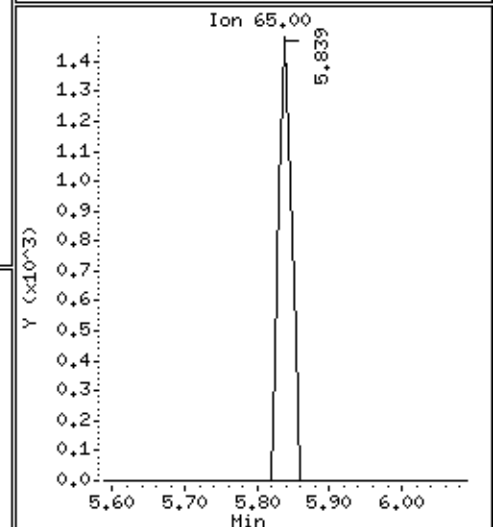
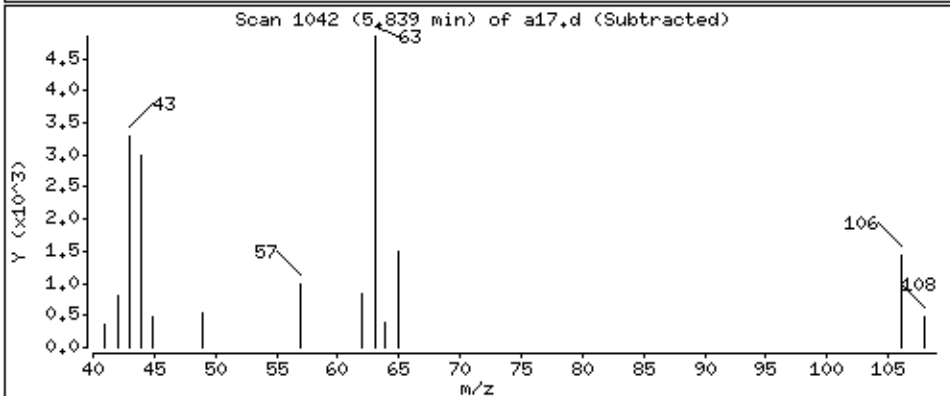
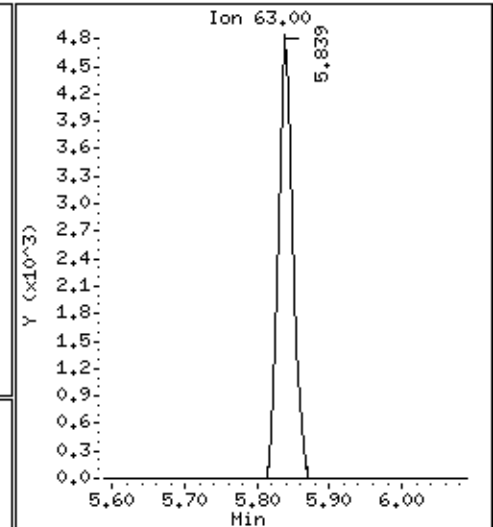
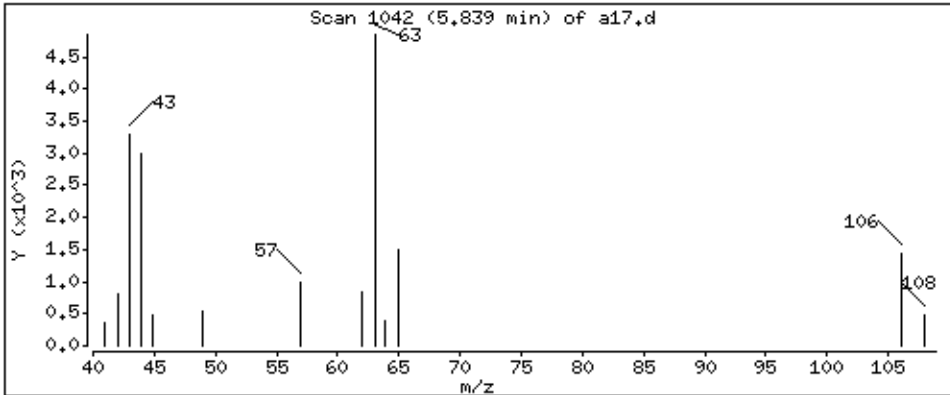
Column phase: DB-624

Column diameter: 0,18

49 2-Chloroethyl vinyl ether

Concentration: 45,7 ppb

Review Code:



Date : 02-JUL-2014 18:43

Client ID: THW-5(12-14)MS

Instrument: 50mw3a.i

Sample Info: 1122048,71089;5

Operator: jlz

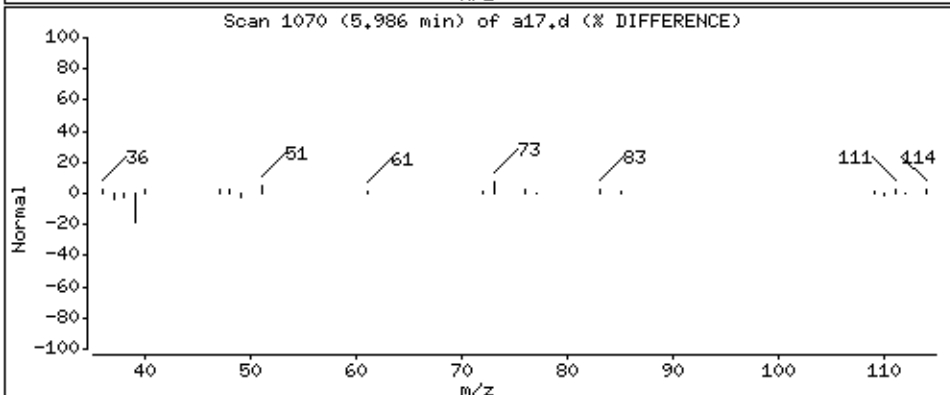
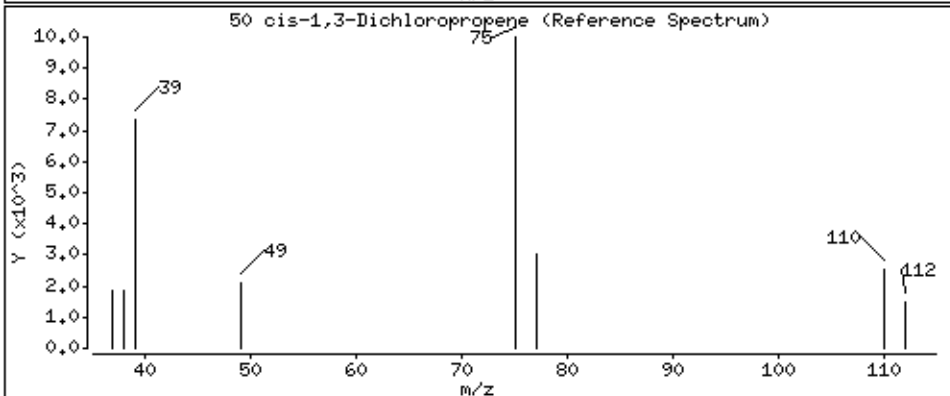
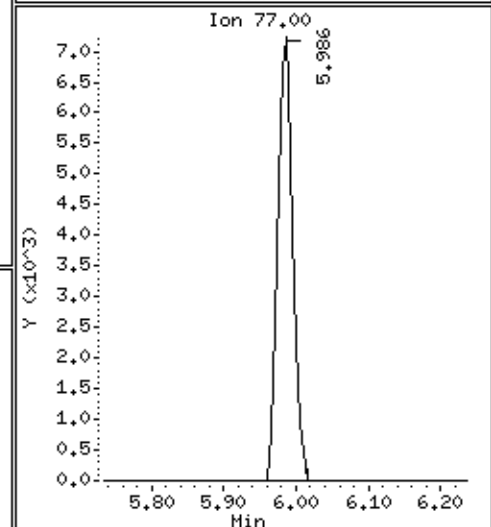
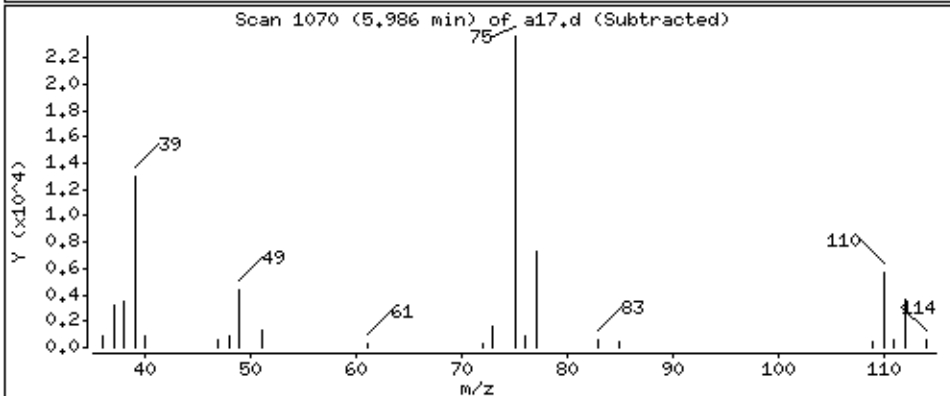
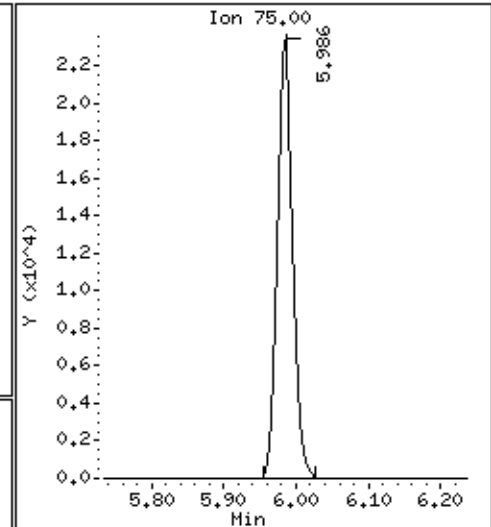
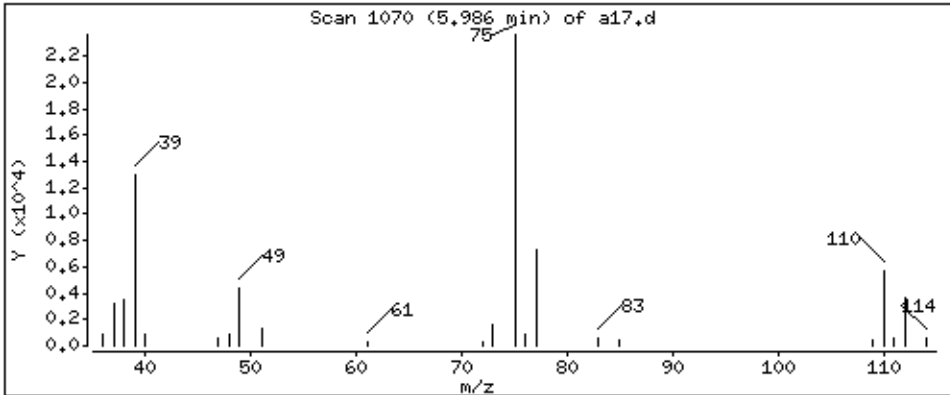
Column phase: DB-624

Column diameter: 0,18

50 cis-1,3-Dichloropropene

Concentration: 39,7 ppb

Review Code:



Date : 02-JUL-2014 18:43

Client ID: THW-5(12-14)MS

Instrument: 50mw3a.i

Sample Info: 1122048,71089;5

Operator: jlz

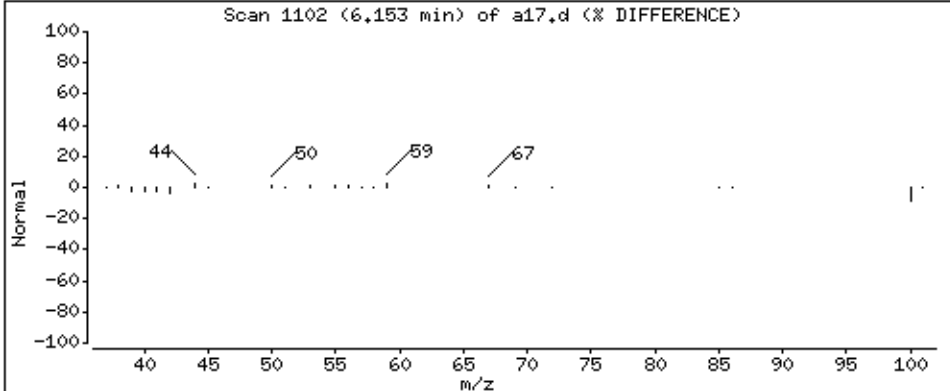
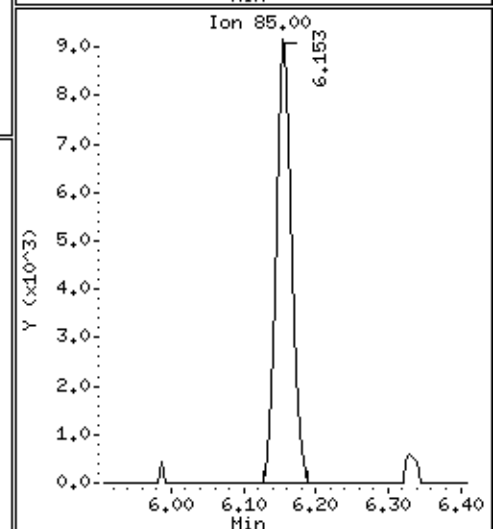
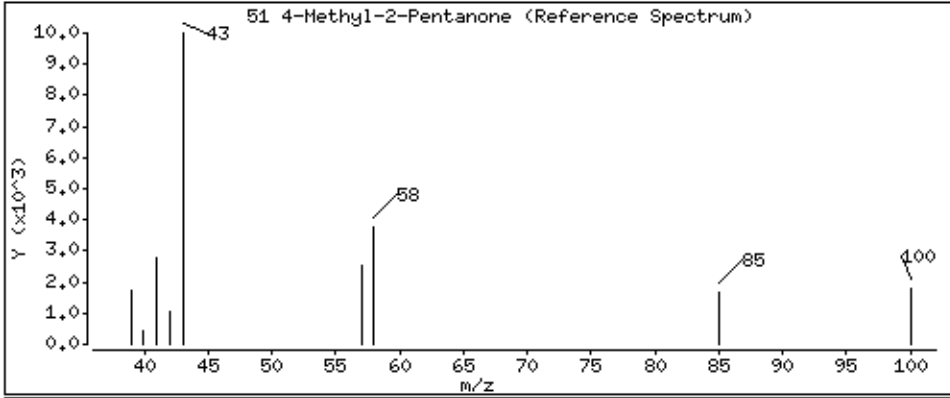
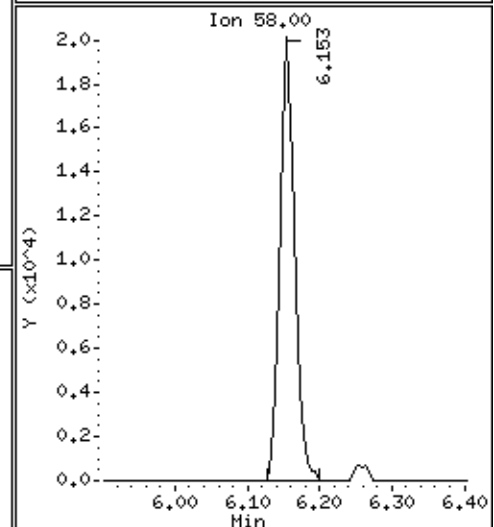
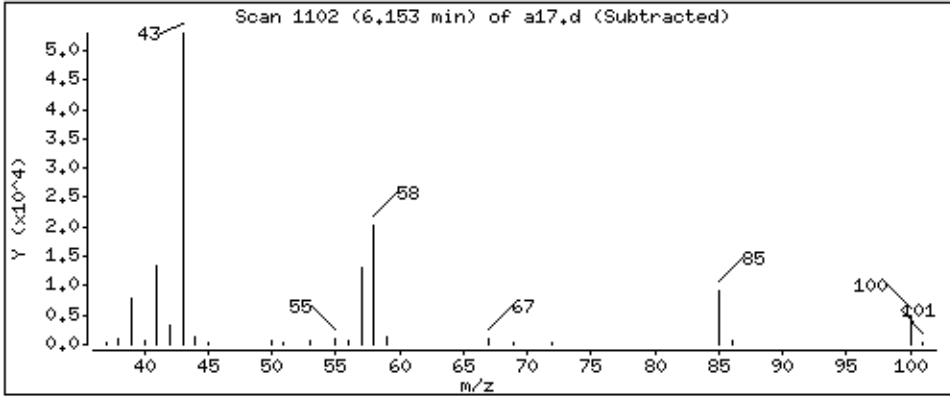
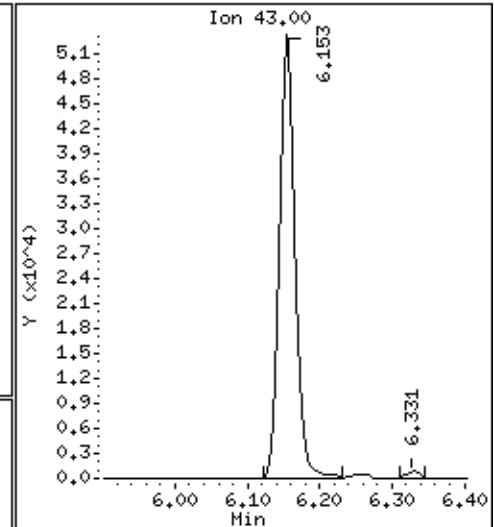
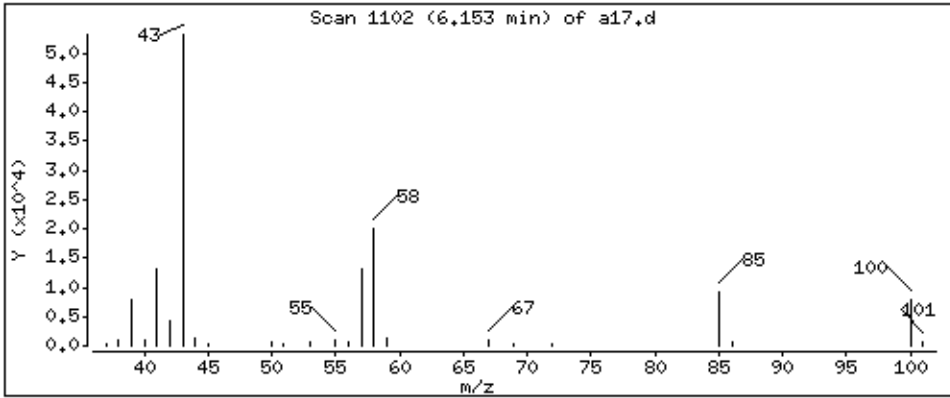
Column phase: DB-624

Column diameter: 0,18

51 4-Methyl-2-Pentanone

Concentration: 227 ppb

Review Code:



Date : 02-JUL-2014 18:43

Client ID: THW-5(12-14)MS

Instrument: 50mw3a.i

Sample Info: 1122048,71089;5

Operator: jlz

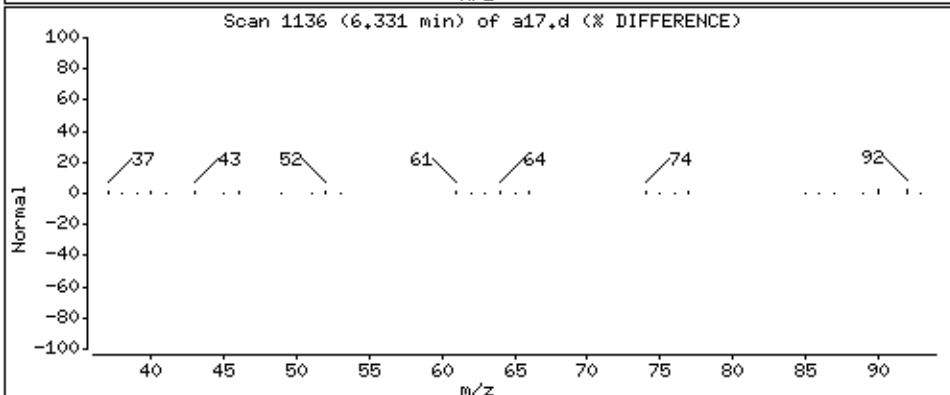
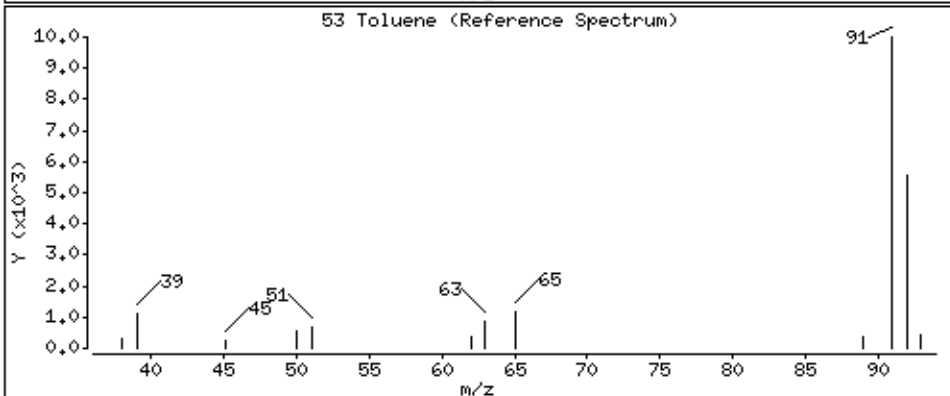
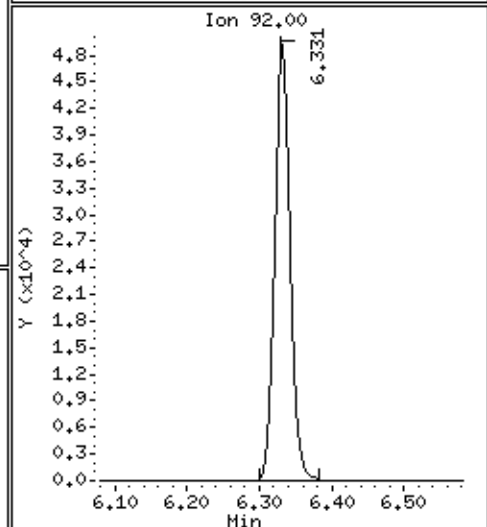
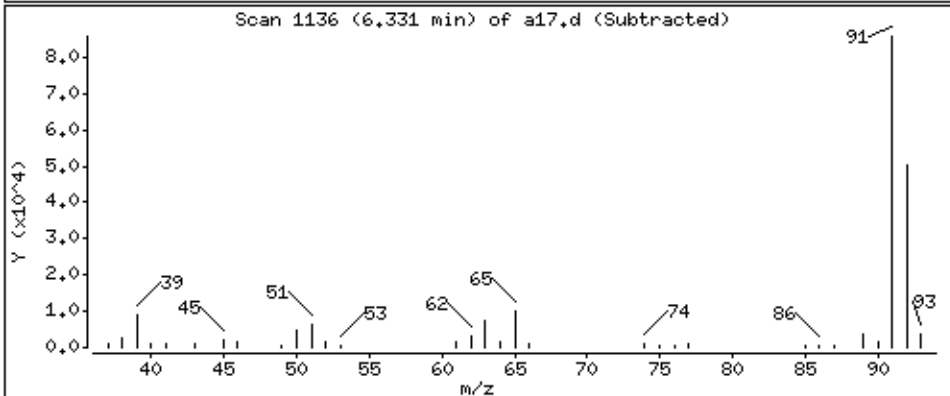
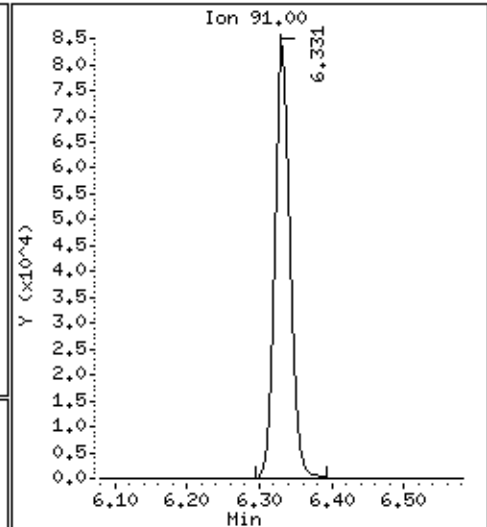
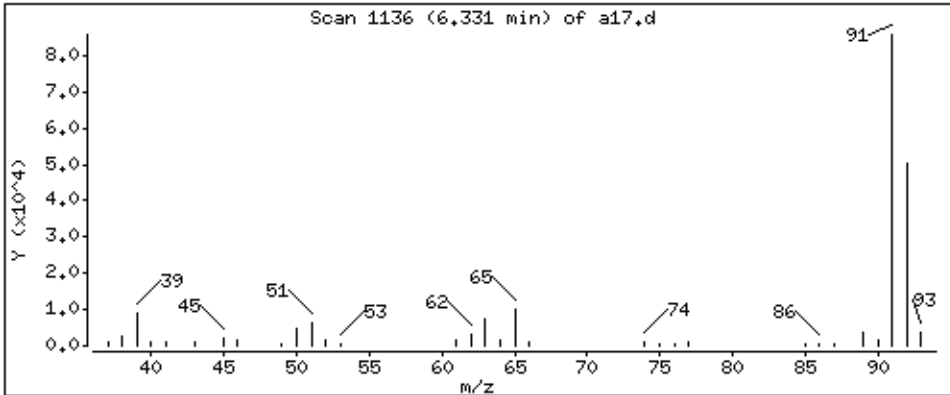
Column phase: DB-624

Column diameter: 0,18

53 Toluene

Concentration: 41.8 ppb

Review Code:



Date : 02-JUL-2014 18:43

Client ID: THW-5(12-14)MS

Instrument: 50mv3a.i

Sample Info: 1122048,71089;5

Operator: jlz

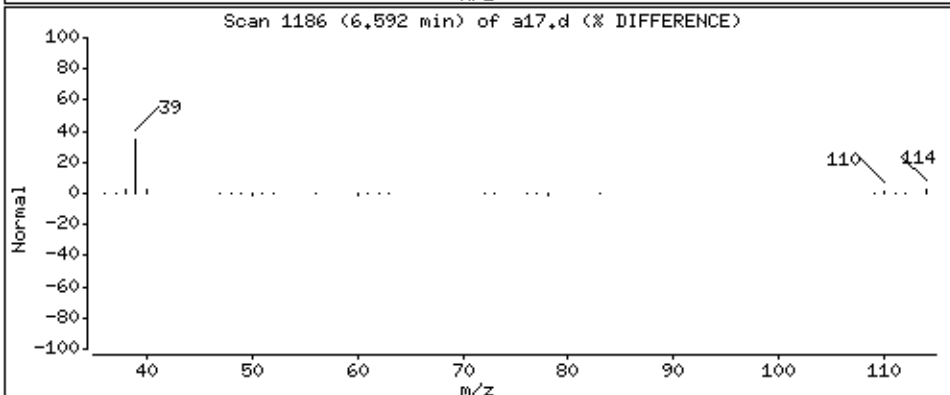
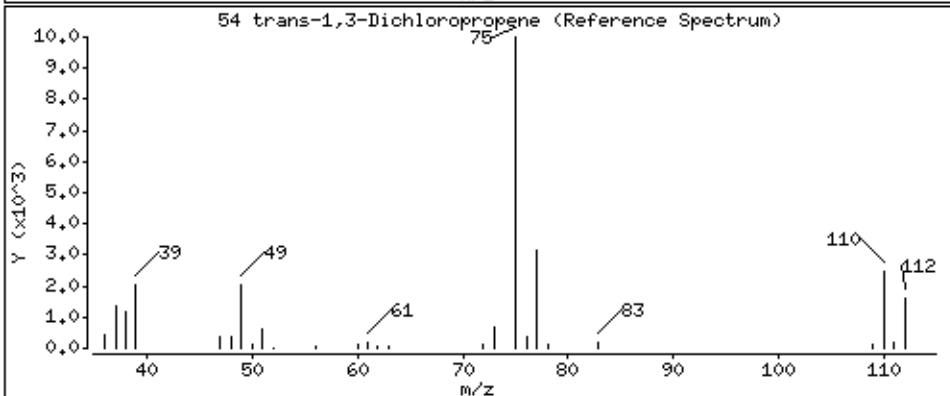
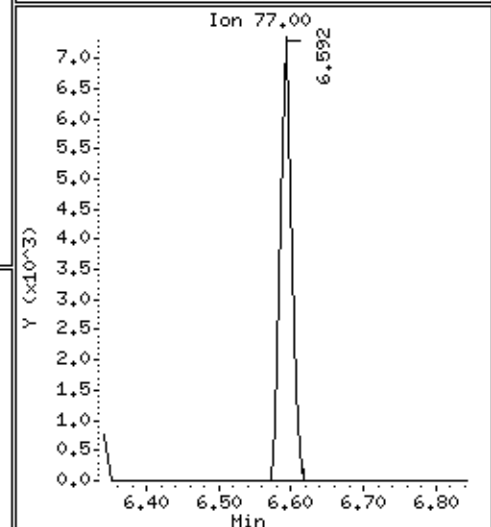
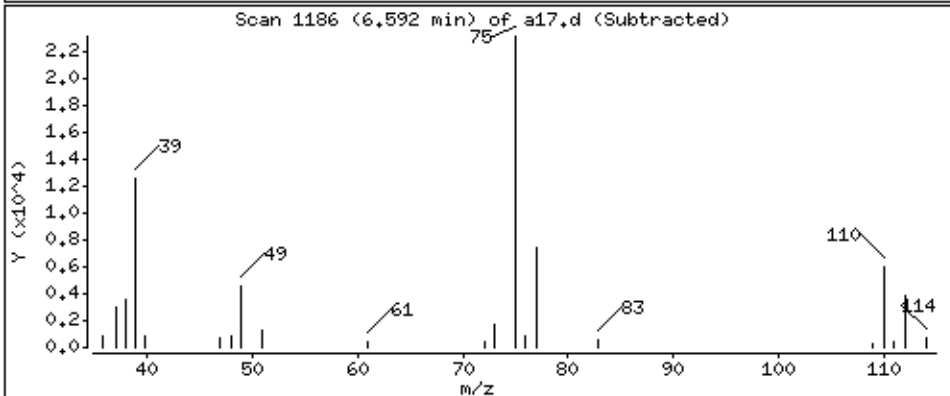
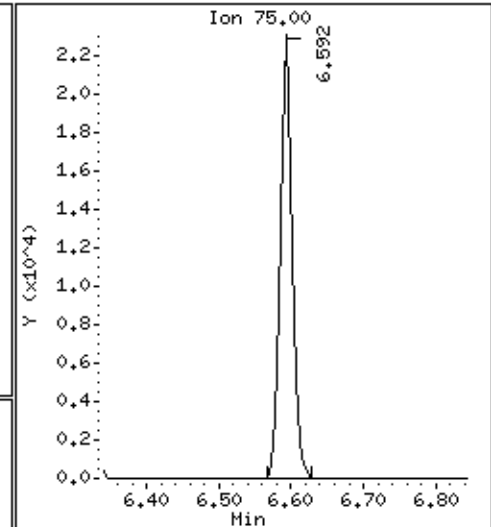
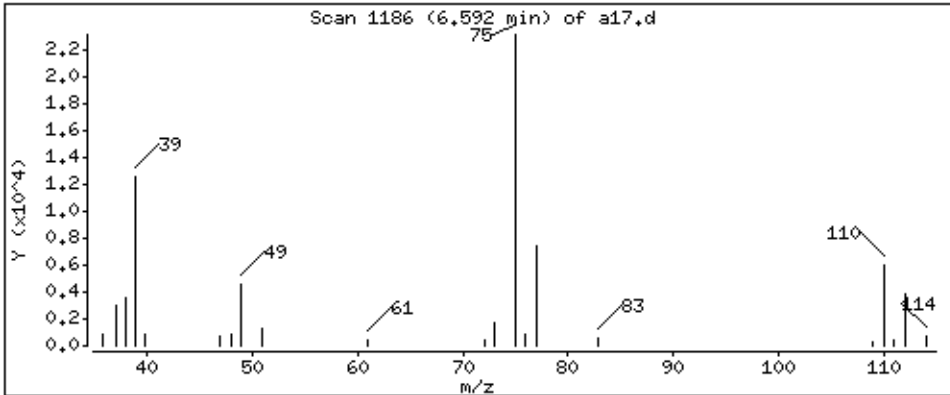
Column phase: DB-624

Column diameter: 0,18

54 trans-1,3-Dichloropropene

Concentration: 41.8 ppb

Review Code:



Date : 02-JUL-2014 18:43

Client ID: THW-5(12-14)MS

Instrument: 50mv3a.i

Sample Info: 1122048,71089;5

Operator: jlz

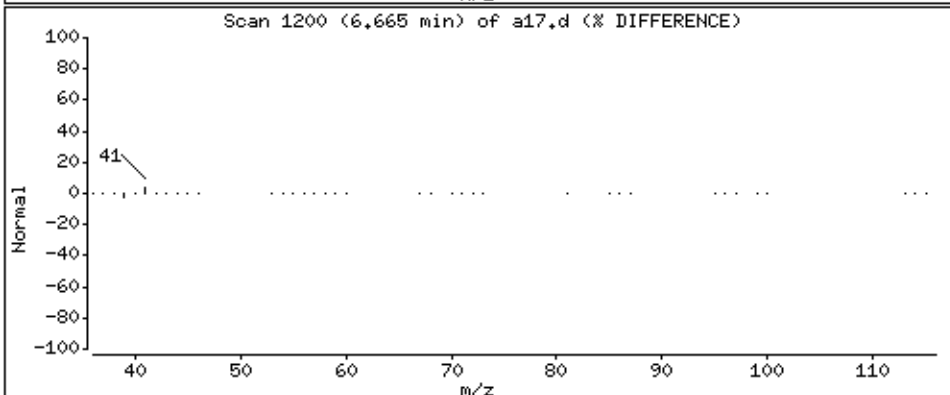
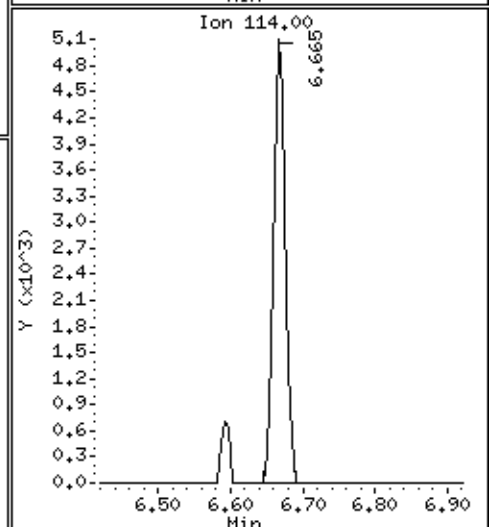
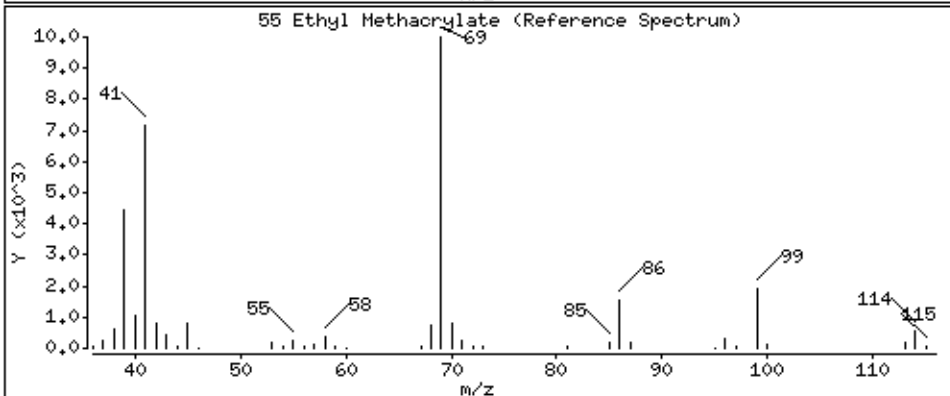
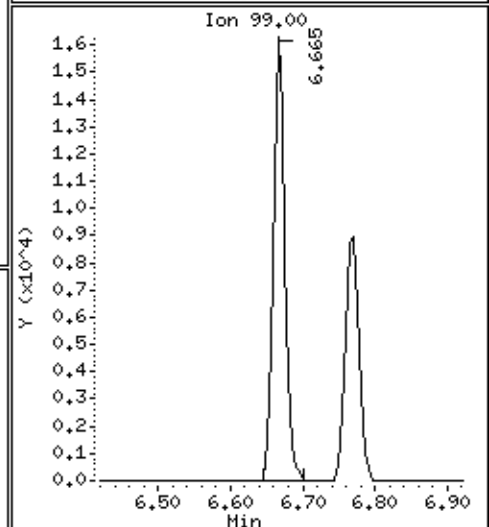
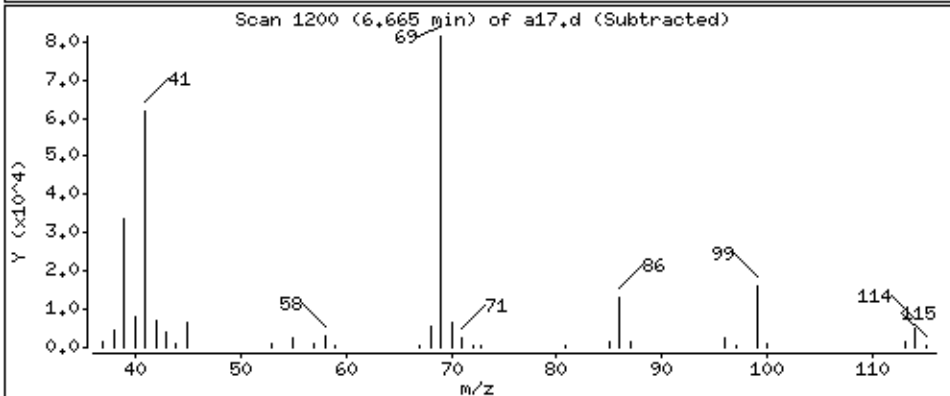
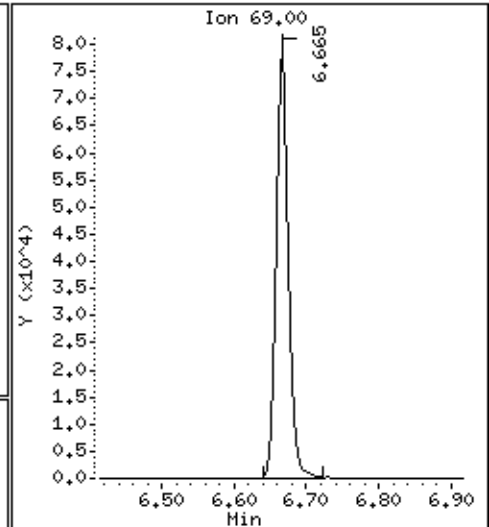
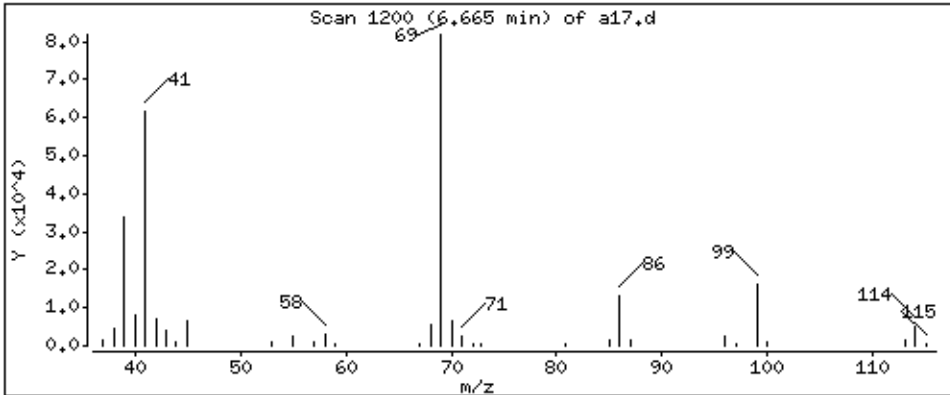
Column phase: DB-624

Column diameter: 0,18

55 Ethyl Methacrylate

Concentration: 155 ppb

Review Code:



Date : 02-JUL-2014 18:43

Client ID: THW-5(12-14)MS

Instrument: 50mv3a.i

Sample Info: 1122048,71089;5

Operator: jlj

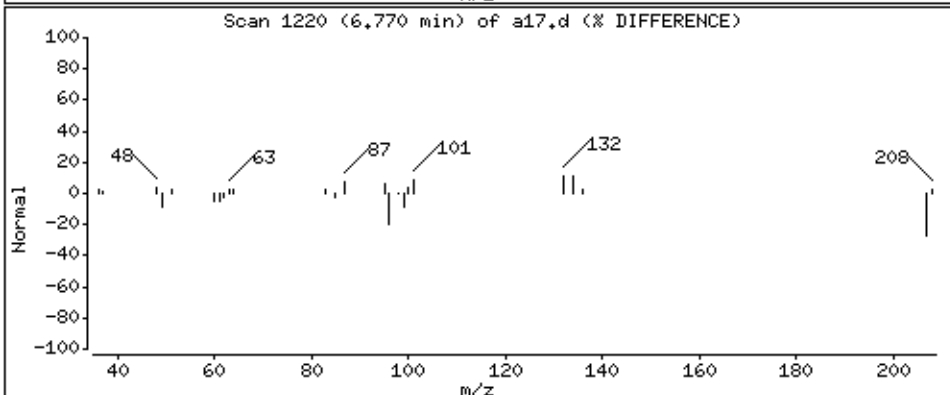
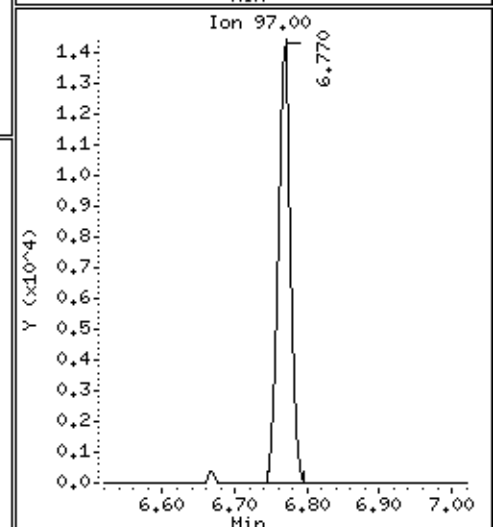
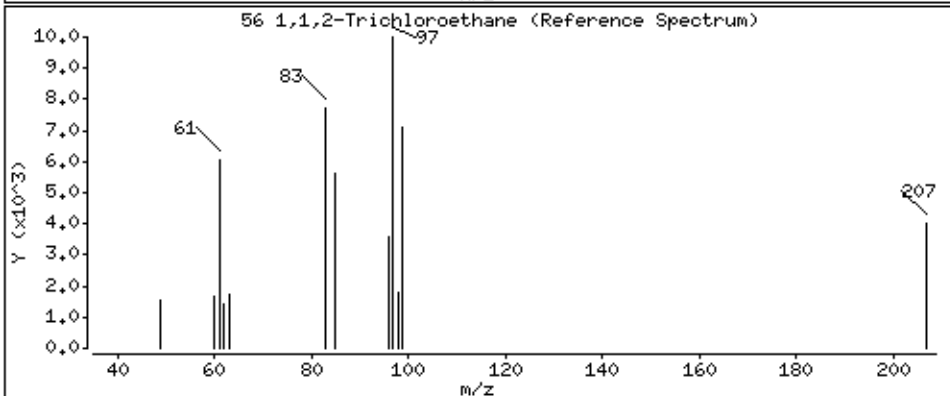
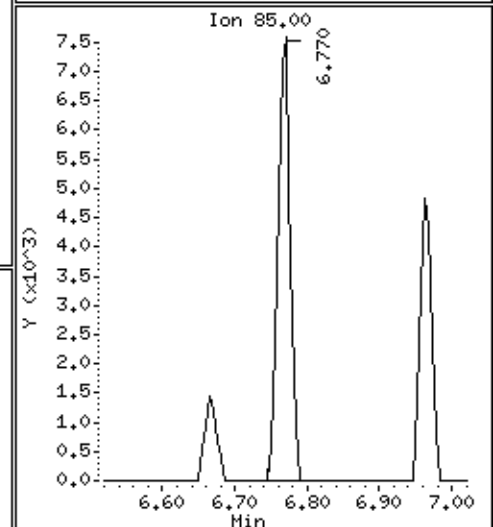
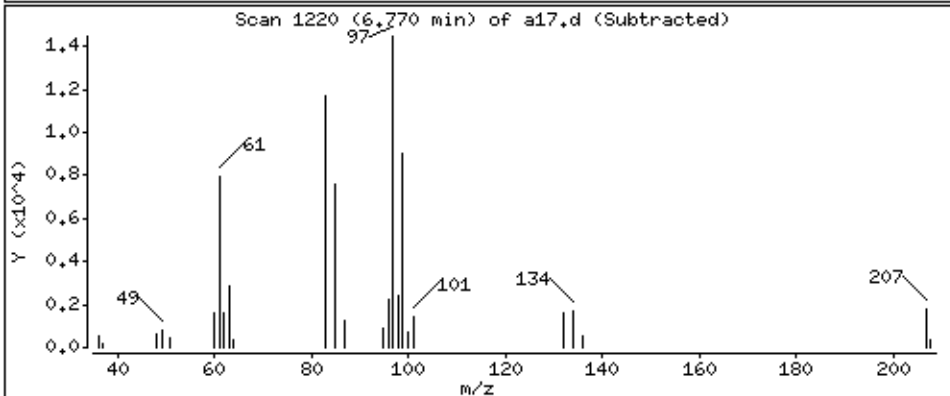
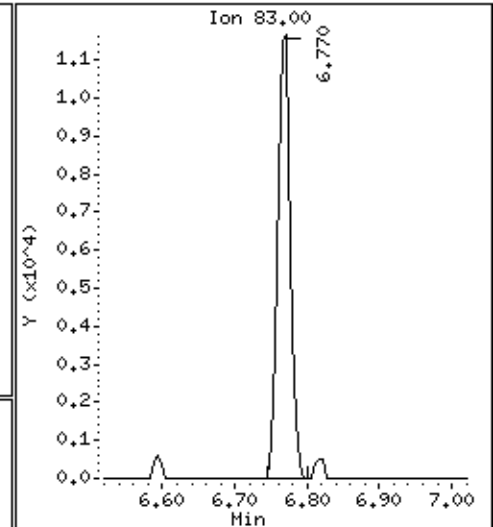
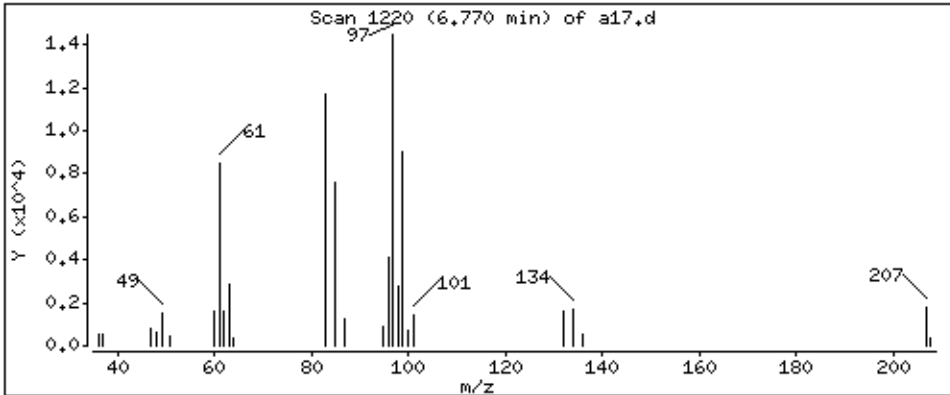
Column phase: DB-624

Column diameter: 0,18

56 1,1,2-Trichloroethane

Concentration: 43.4 ppb

Review Code:



Date : 02-JUL-2014 18:43

Client ID: THW-5(12-14)HS

Instrument: 50mv3a.i

Sample Info: 1122048,71089;5

Operator: jlz

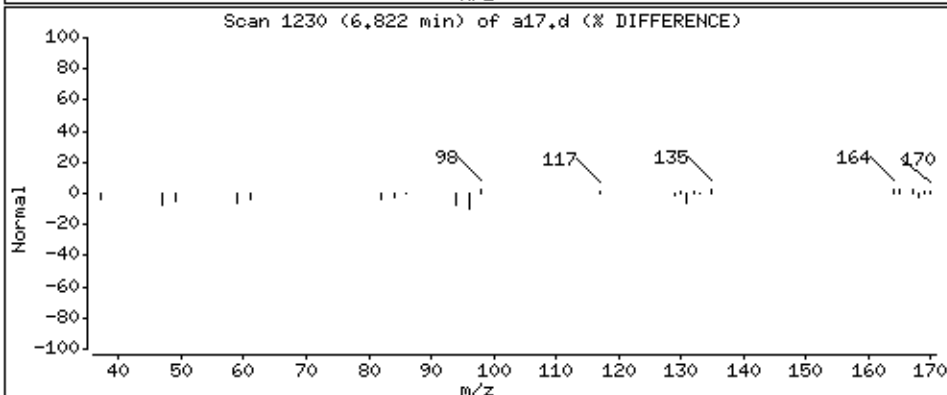
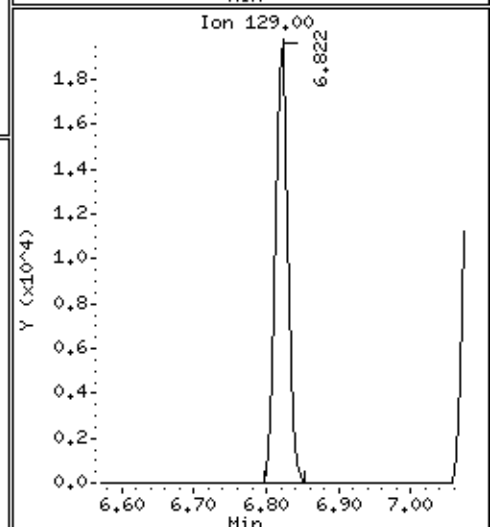
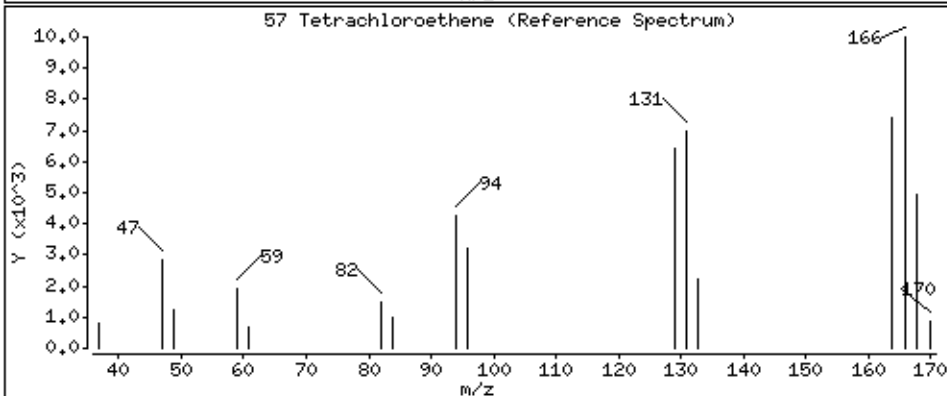
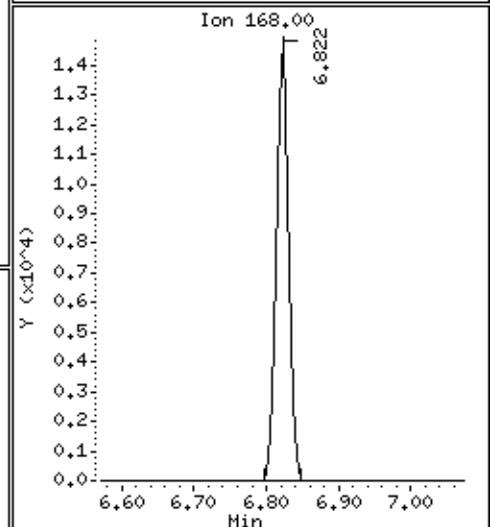
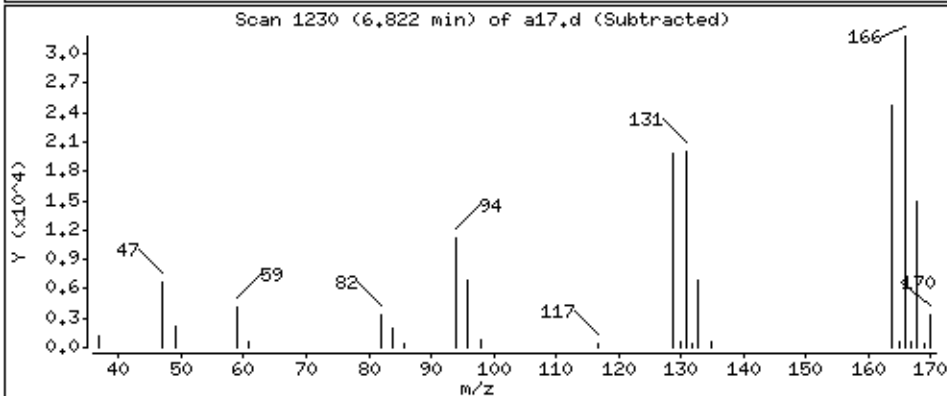
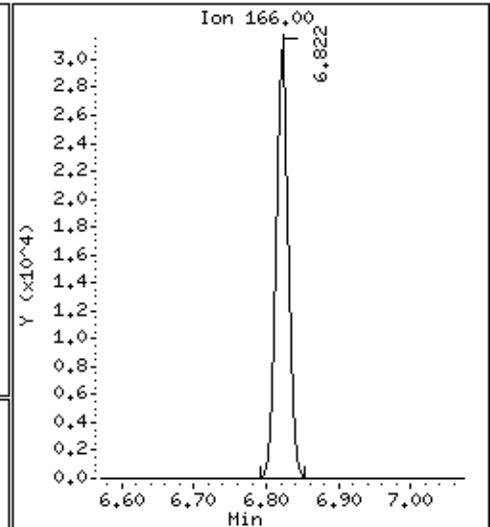
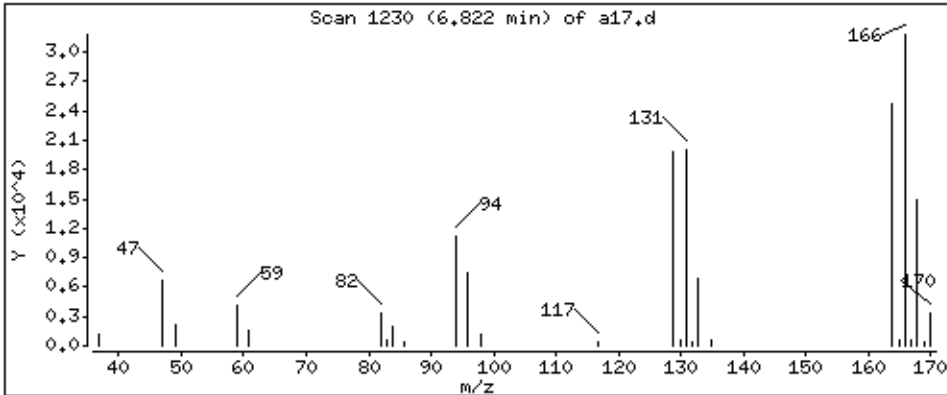
Column phase: DB-624

Column diameter: 0,18

57 Tetrachloroethene

Concentration: 44,0 ppb

Review Code:



Date : 02-JUL-2014 18:43

Client ID: THW-5(12-14)MS

Instrument: 50mw3a.i

Sample Info: 1122048,71089;5

Operator: jlz

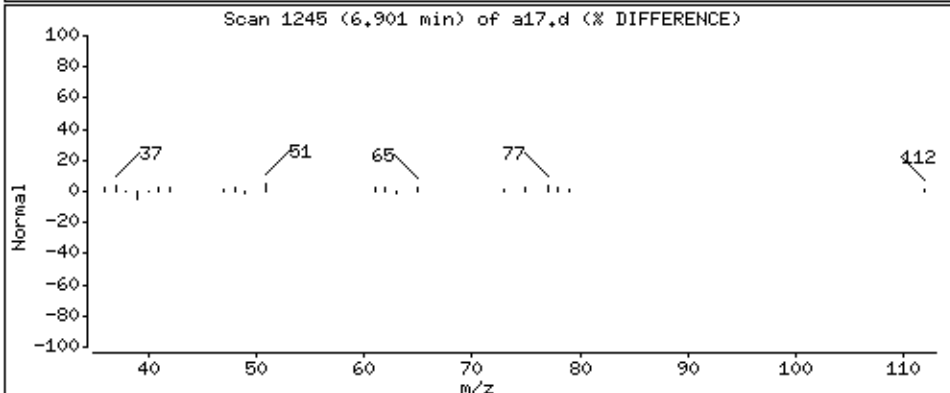
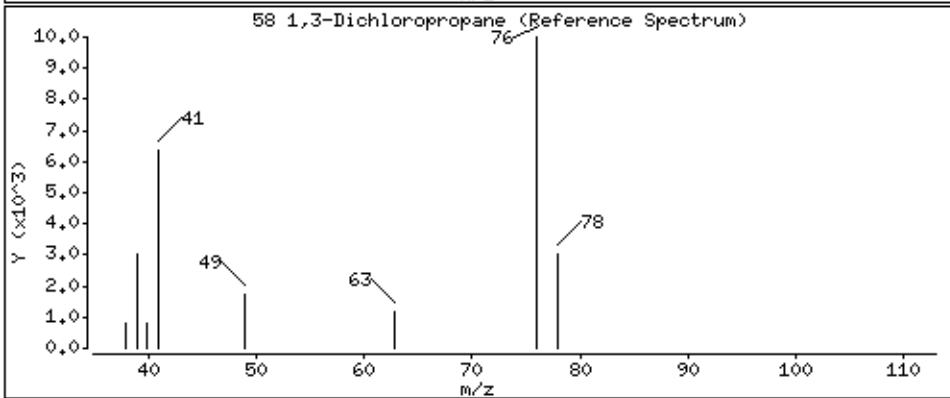
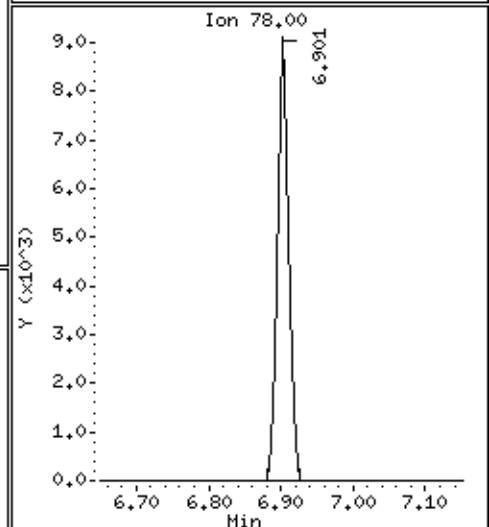
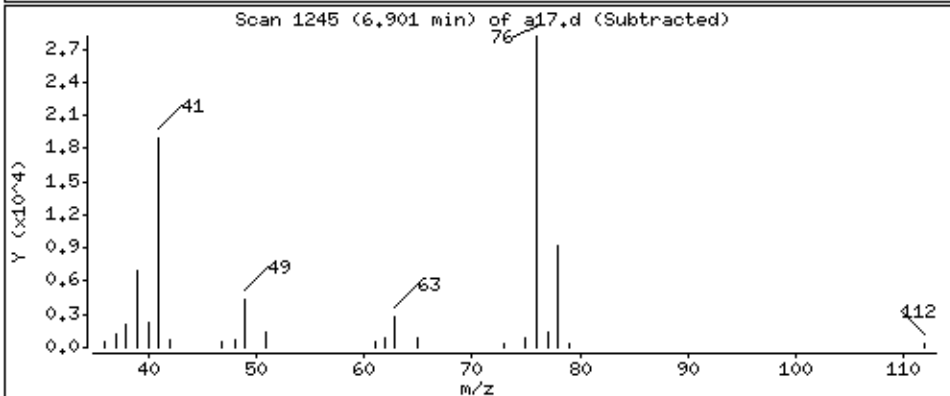
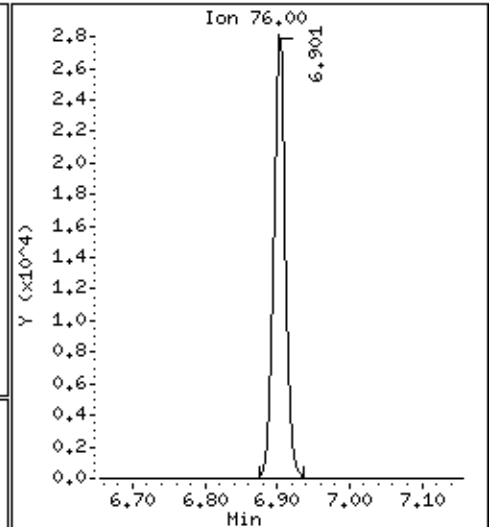
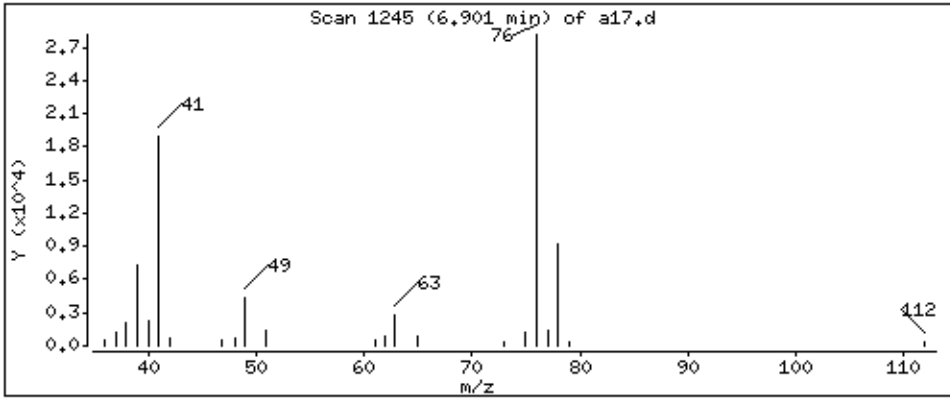
Column phase: DB-624

Column diameter: 0,18

58 1,3-Dichloropropane

Concentration: 42.7 ppb

Review Code:



Date : 02-JUL-2014 18:43

Client ID: THW-5(12-14)HS

Instrument: 50mv3a.i

Sample Info: 1122048,71089;5

Operator: jlz

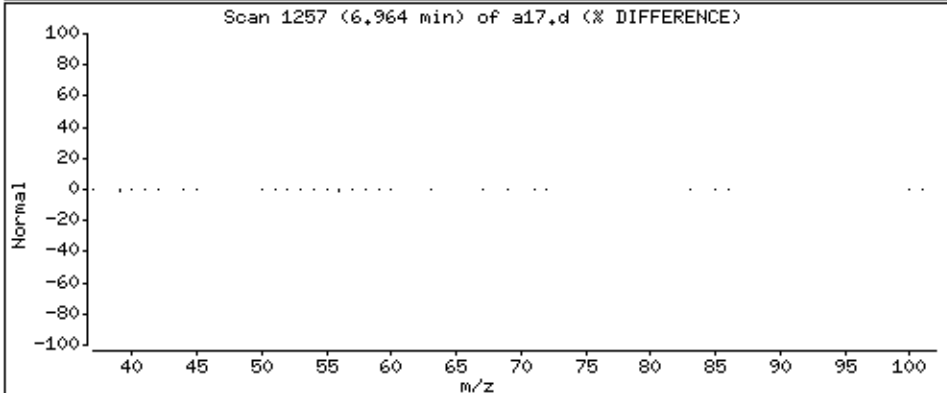
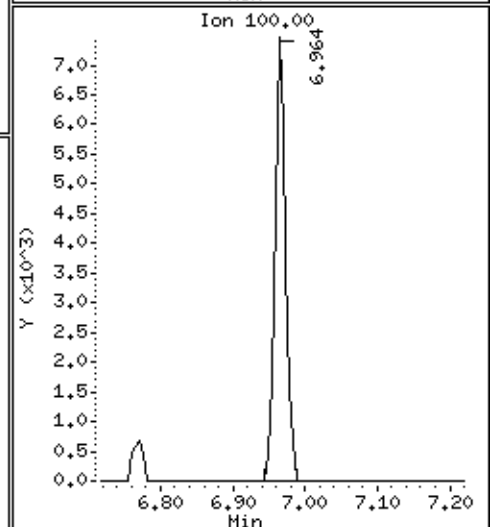
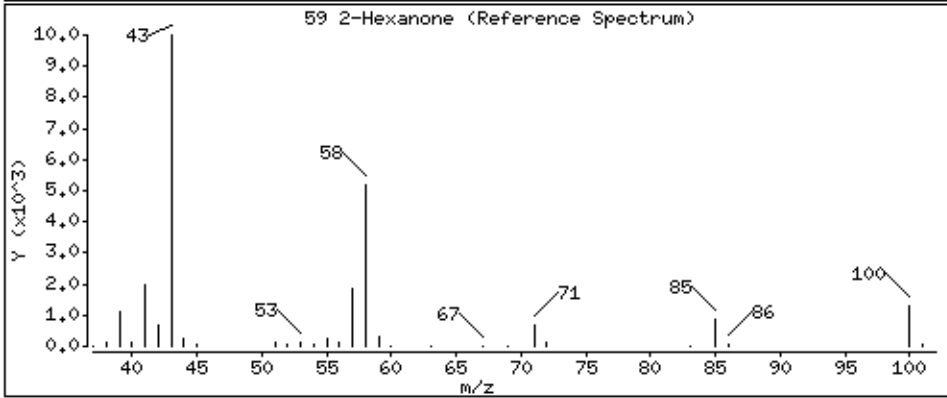
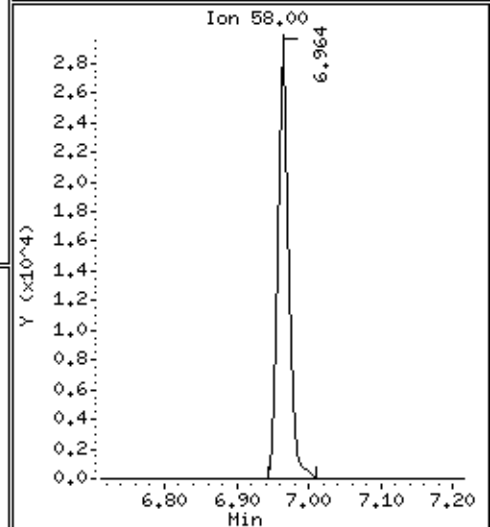
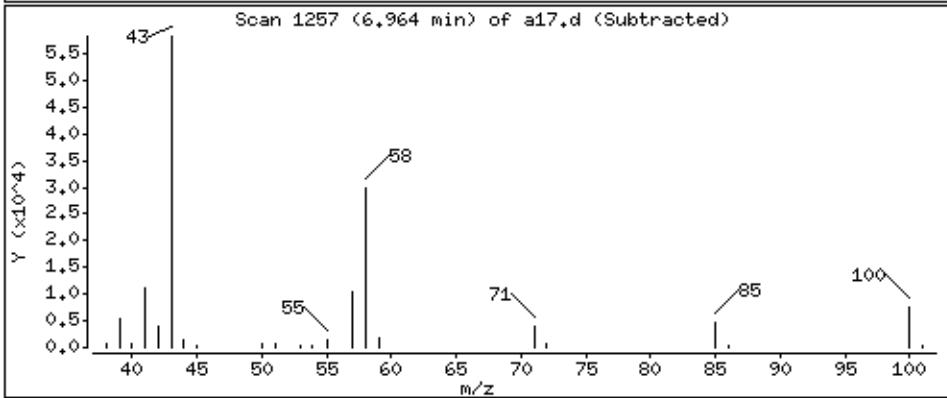
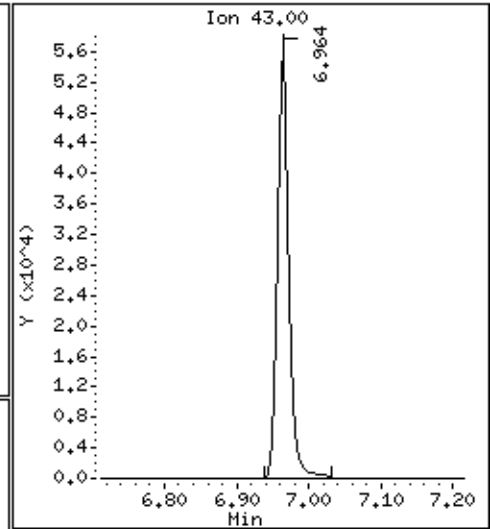
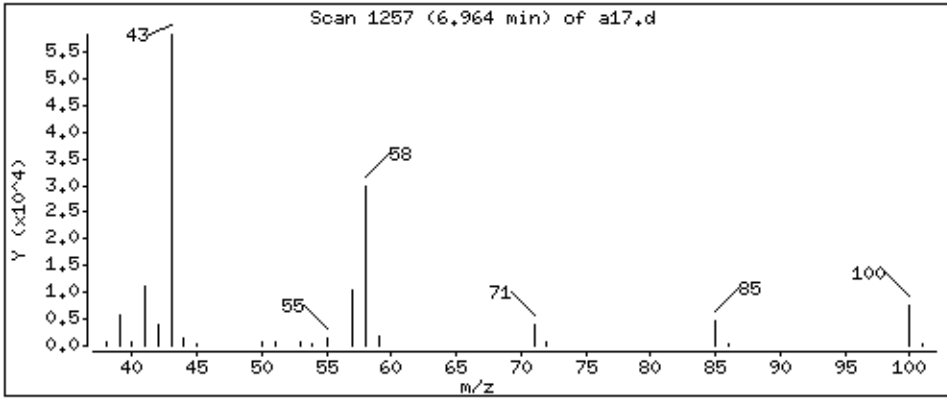
Column phase: DB-624

Column diameter: 0,18

59 2-Hexanone

Concentration: 261 ppb

Review Code:



Date : 02-JUL-2014 18:43

Client ID: THW-5(12-14)MS

Instrument: 50mv3a.i

Sample Info: 1122048,71089;5

Operator: jlz

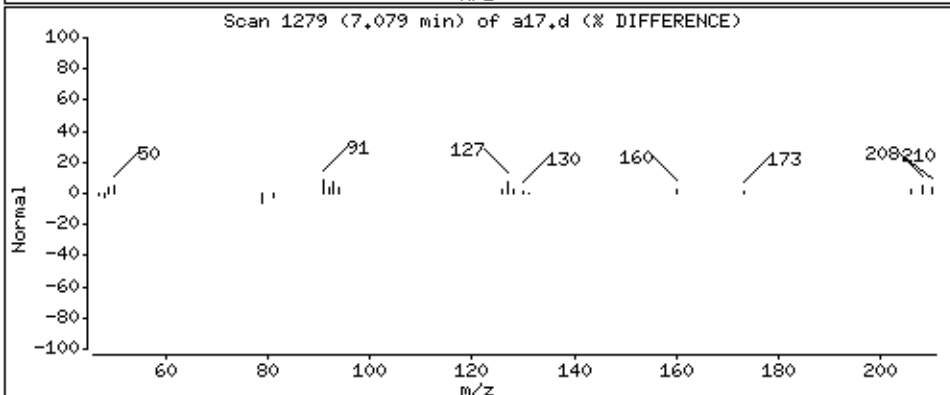
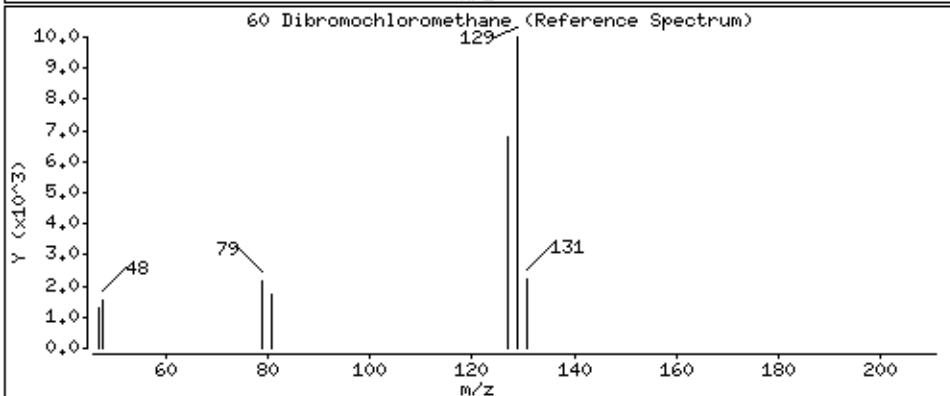
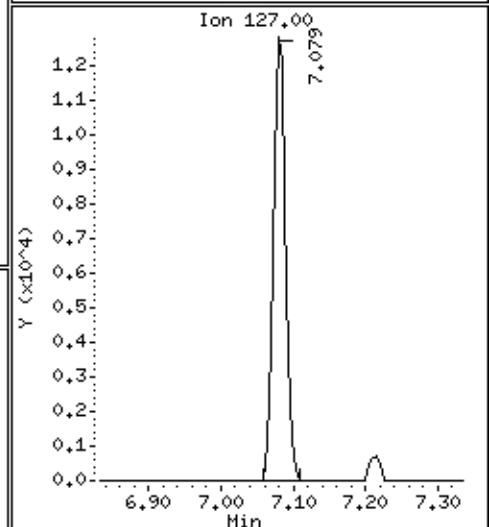
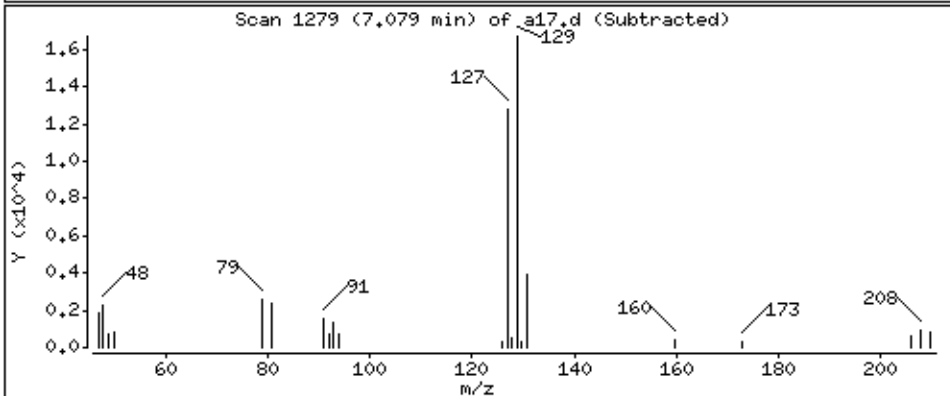
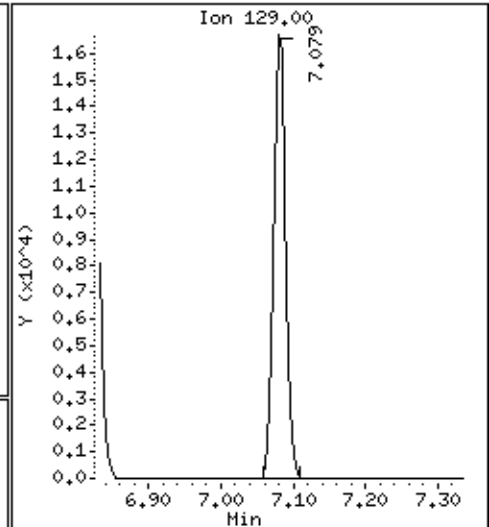
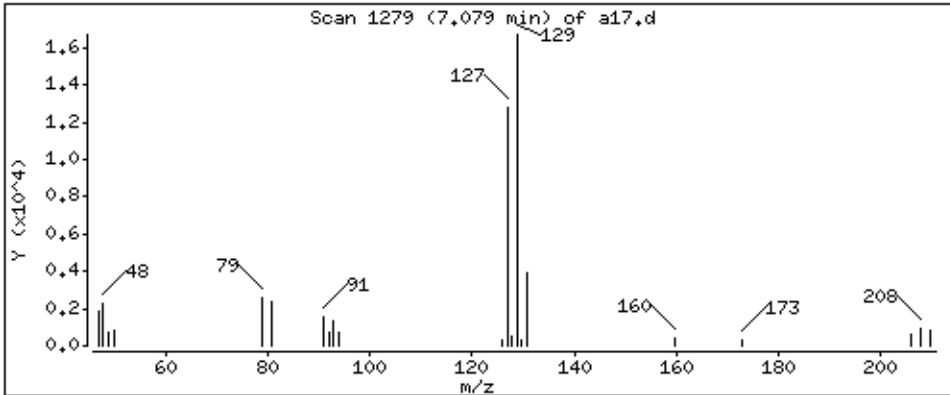
Column phase: DB-624

Column diameter: 0,18

60 Dibromochloromethane

Concentration: 39,7 ppb

Review Code:



Date : 02-JUL-2014 18:43

Client ID: THW-5(12-14)MS

Instrument: 50mv3a.i

Sample Info: 1122048,71089;5

Operator: jlz

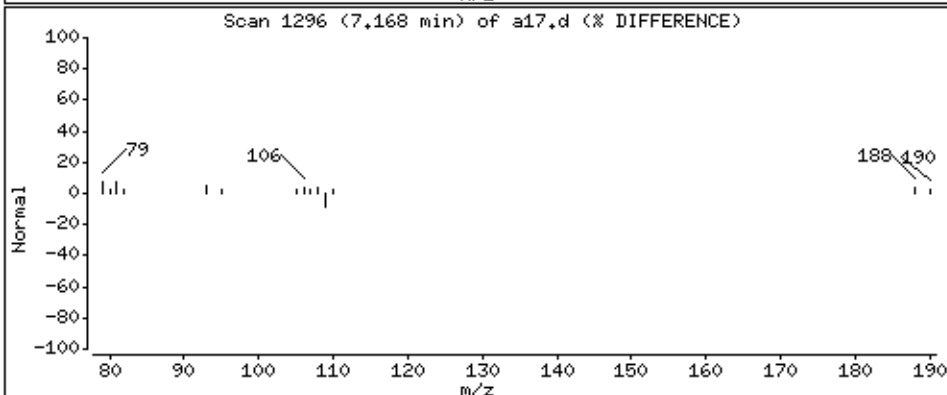
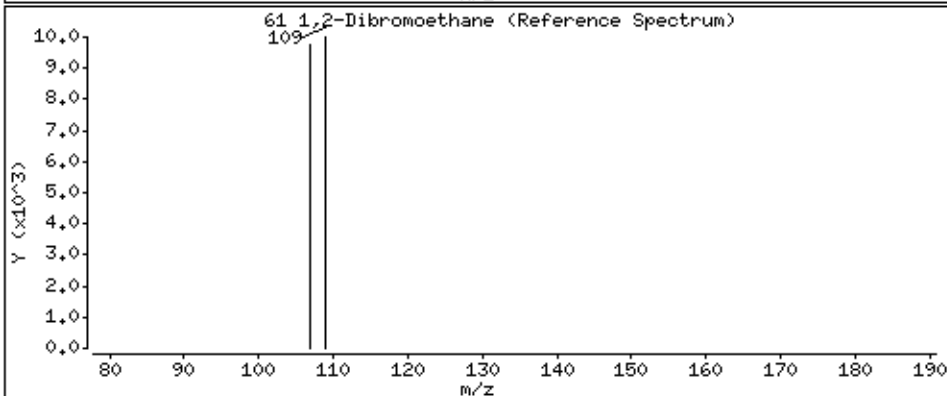
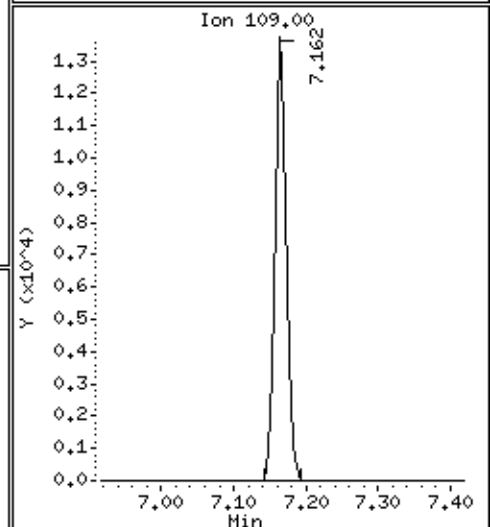
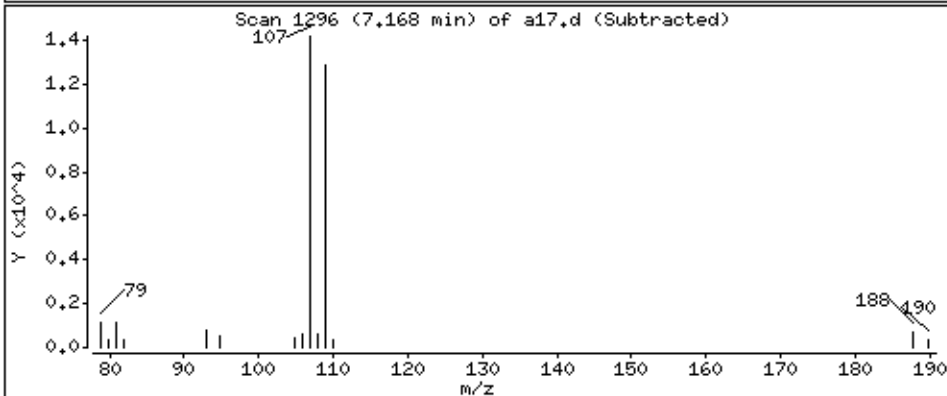
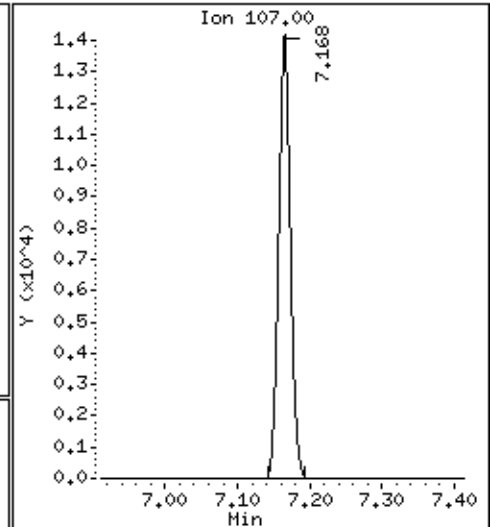
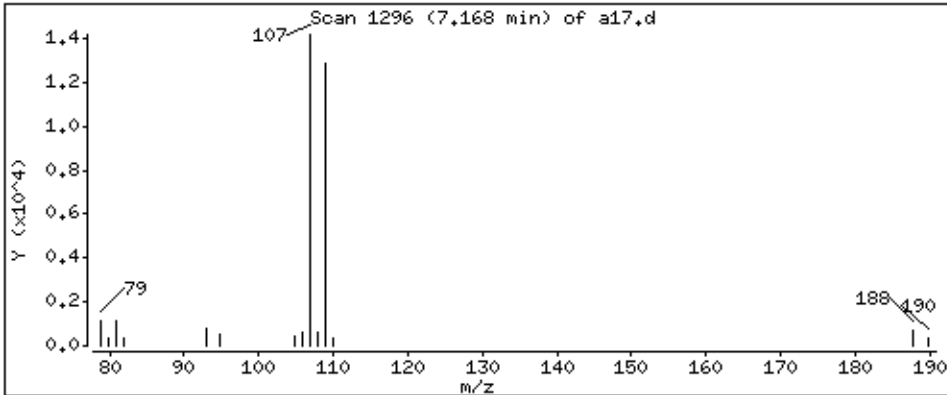
Column phase: DB-624

Column diameter: 0,18

61 1,2-Dibromoethane

Concentration: 46,8 ppb

Review Code:



Date : 02-JUL-2014 18:43

Client ID: THW-5(12-14)HS

Instrument: 50mv3a.i

Sample Info: 1122048,71089;5

Operator: jlz

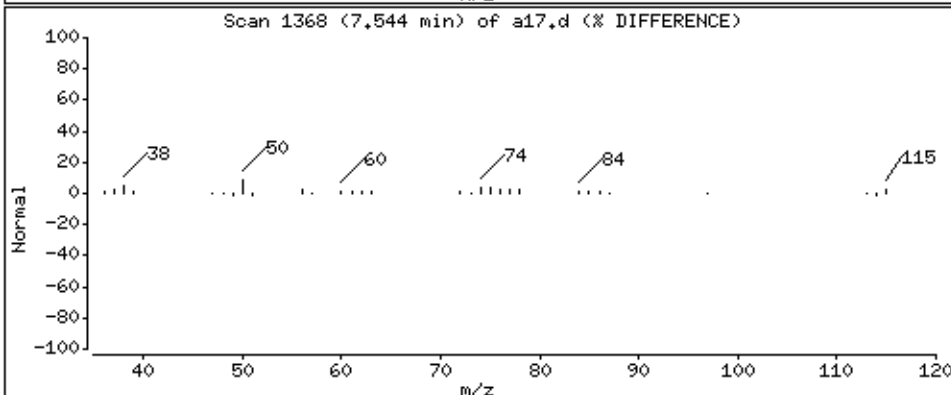
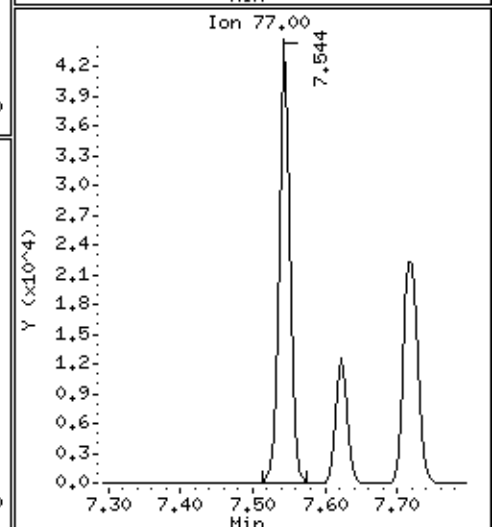
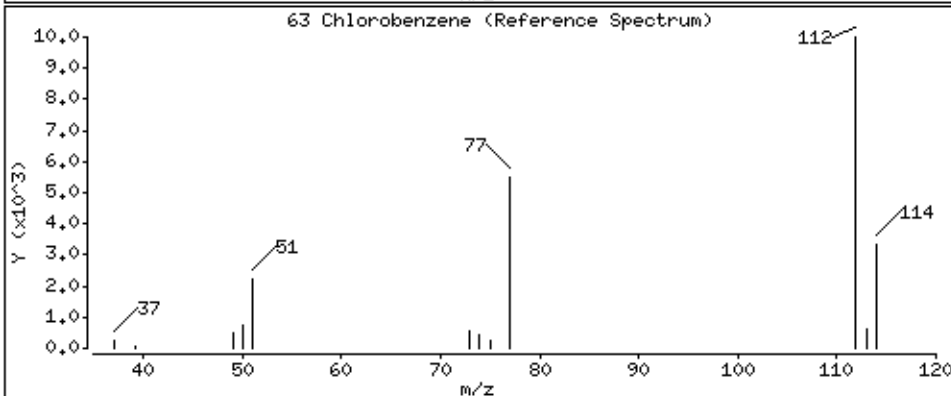
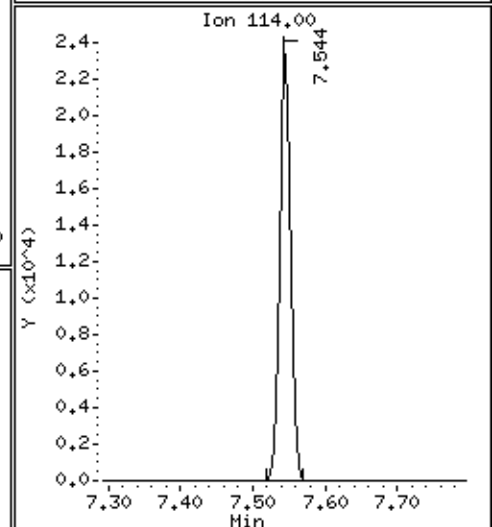
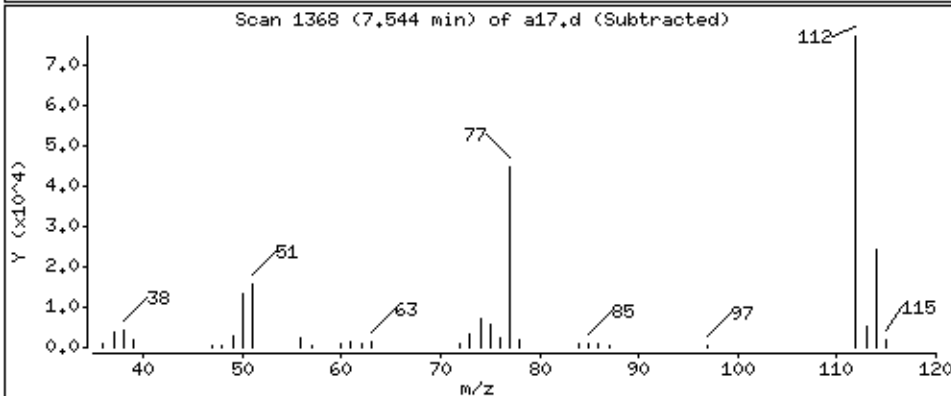
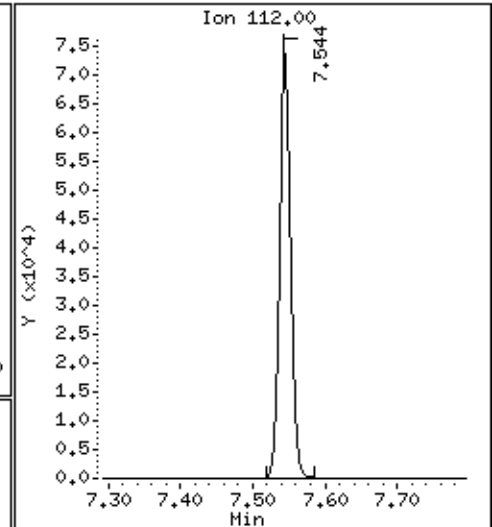
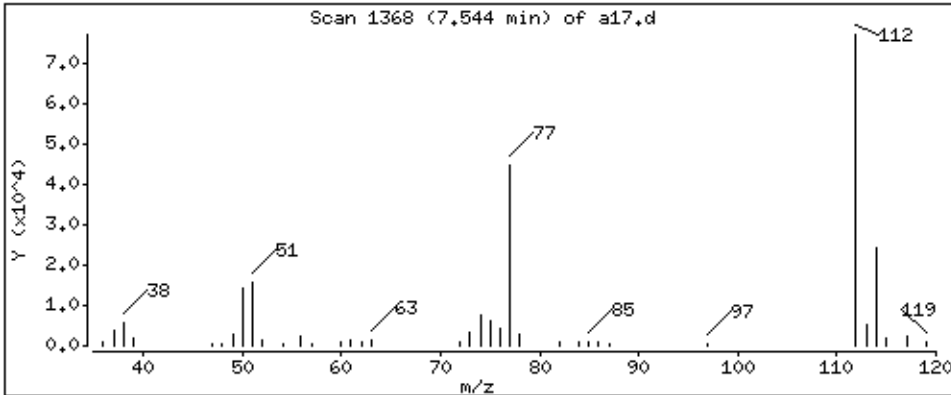
Column phase: DB-624

Column diameter: 0,18

63 Chlorobenzene

Concentration: 43.2 ppb

Review Code:



Date : 02-JUL-2014 18:43

Client ID: THW-5(12-14)MS

Instrument: 50mv3a.i

Sample Info: 1122048,71089;5

Operator: jlz

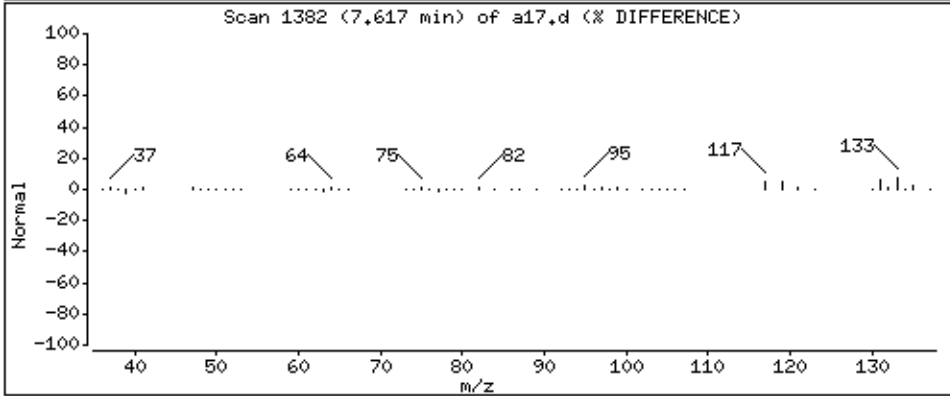
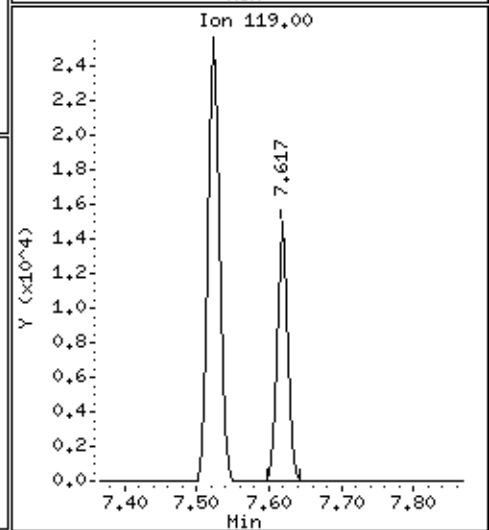
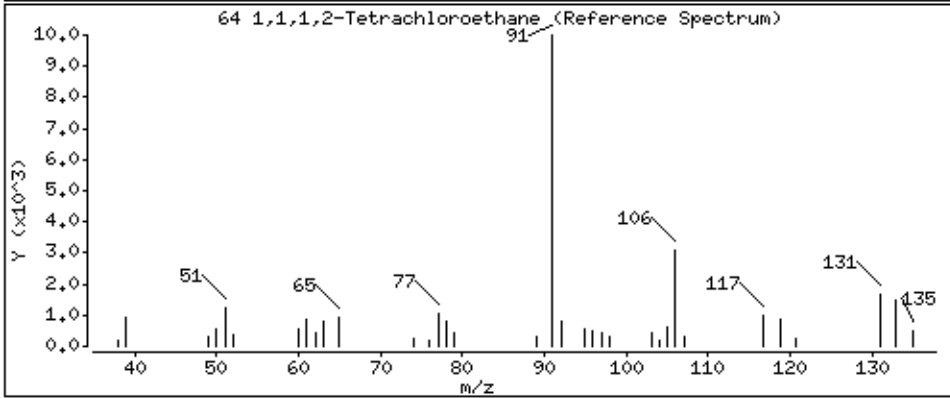
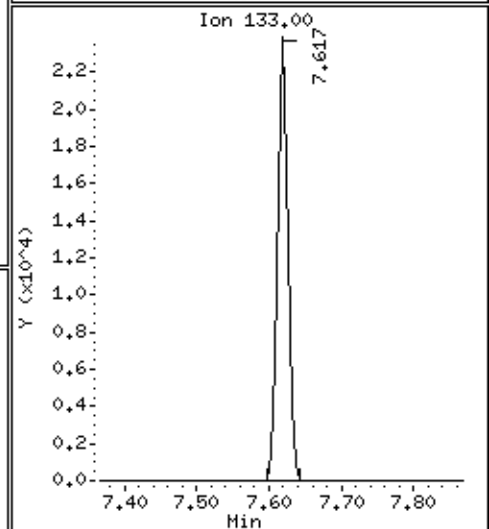
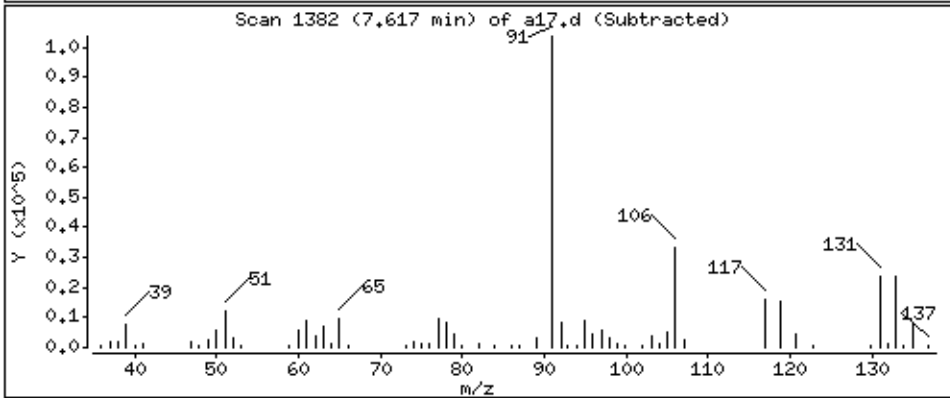
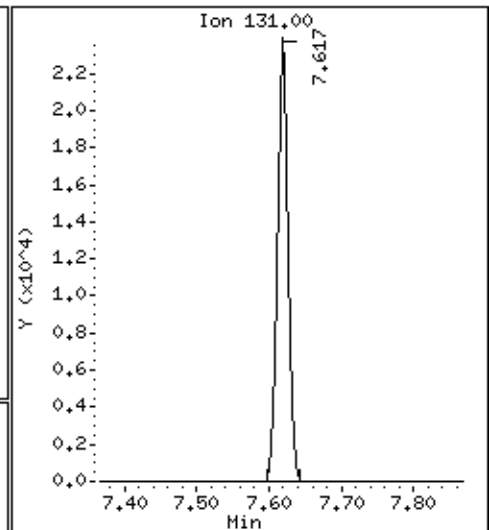
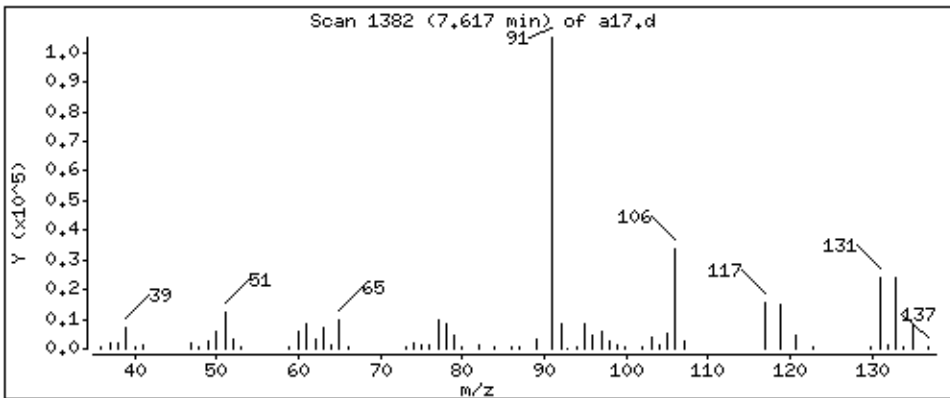
Column phase: DB-624

Column diameter: 0,18

64 1,1,1,2-Tetrachloroethane

Concentration: 45,5 ppb

Review Code:



Date : 02-JUL-2014 18:43

Client ID: THW-5(12-14)MS

Instrument: 50mw3a.i

Sample Info: 1122048,71089;5

Operator: jlz

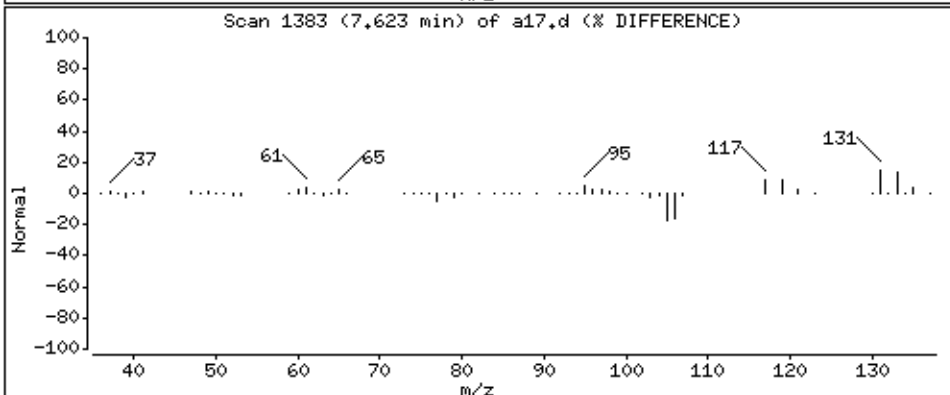
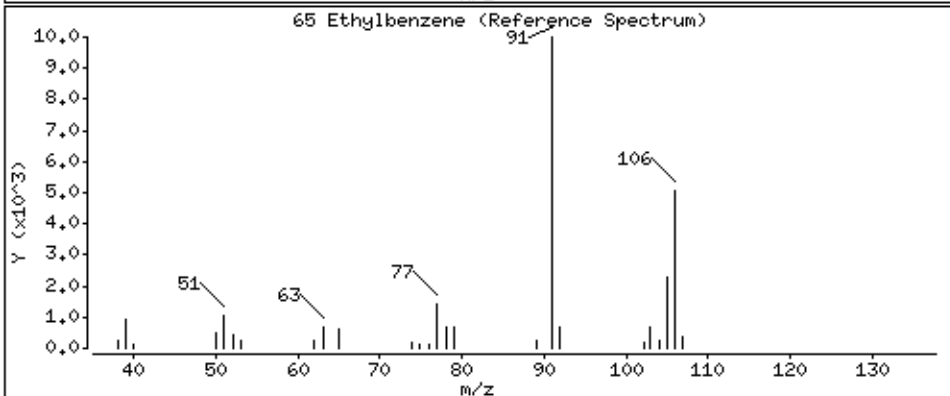
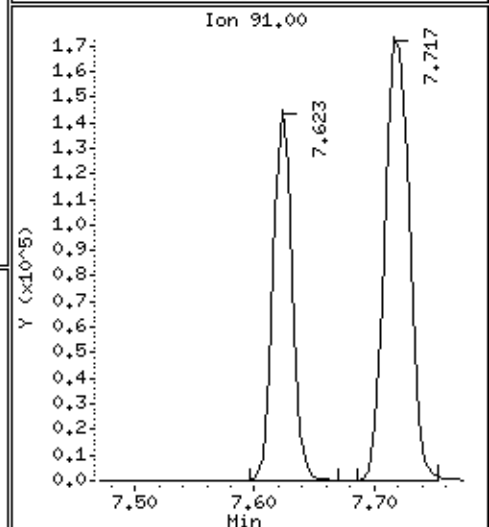
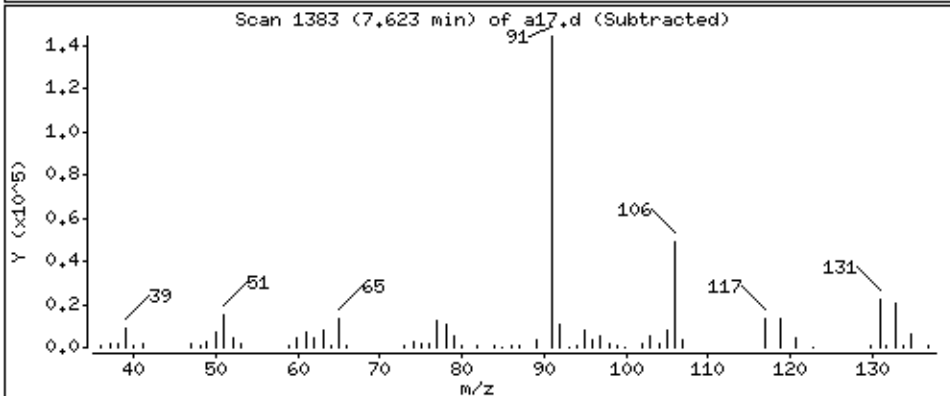
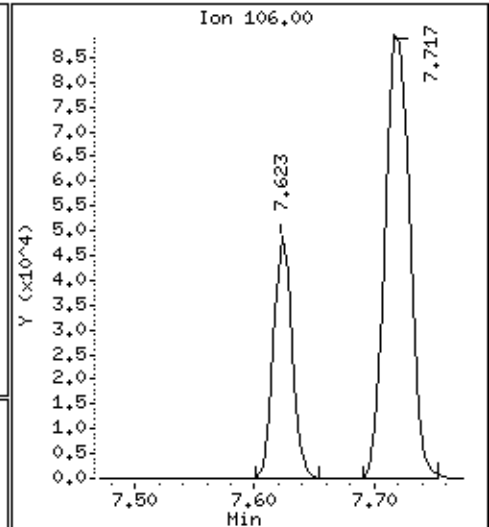
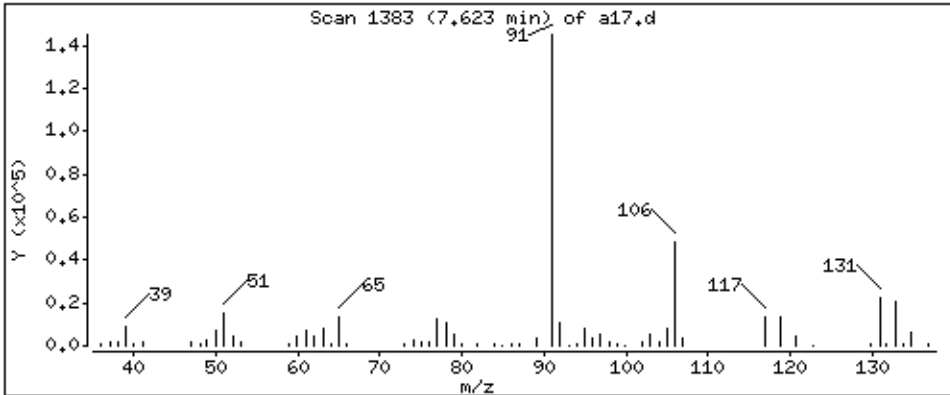
Column phase: DB-624

Column diameter: 0,18

65 Ethylbenzene

Concentration: 44,0 ppb

Review Code:



Date : 02-JUL-2014 18:43

Client ID: THW-5(12-14)MS

Instrument: 50mv3a.i

Sample Info: 1122048,71089;5

Operator: jlz

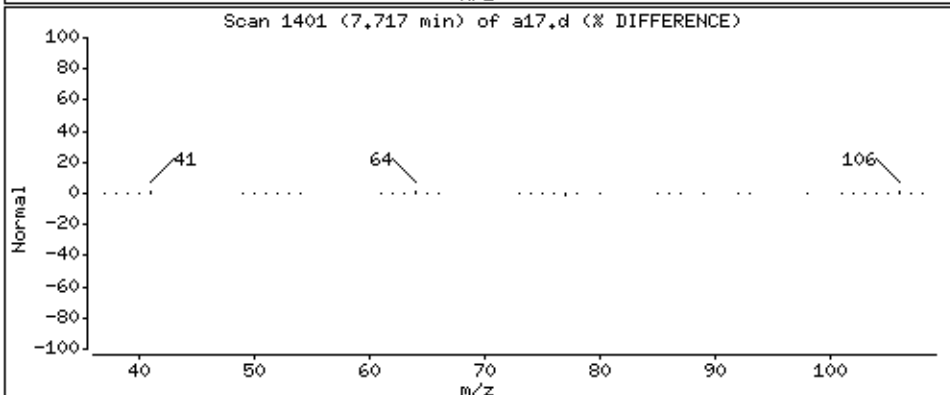
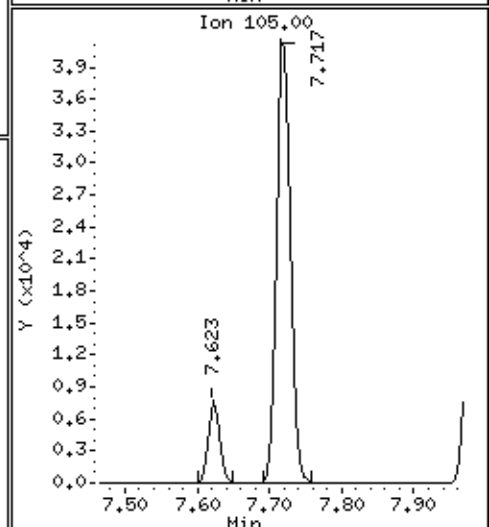
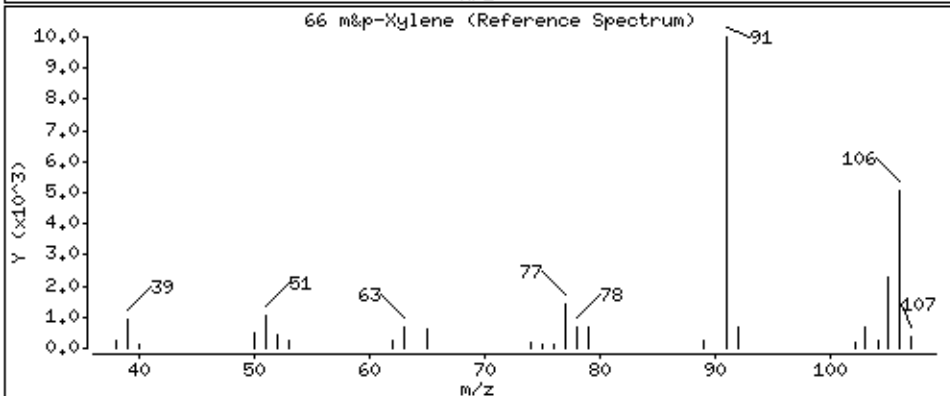
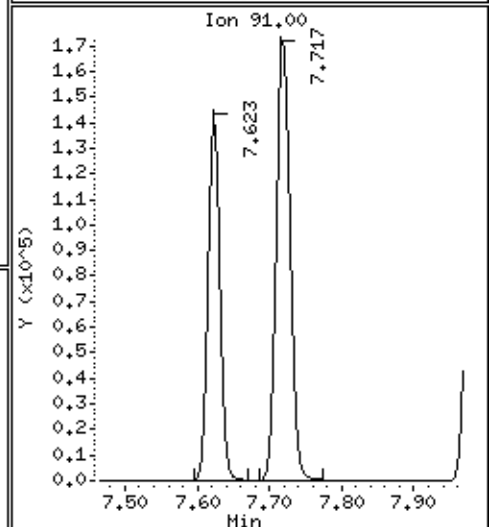
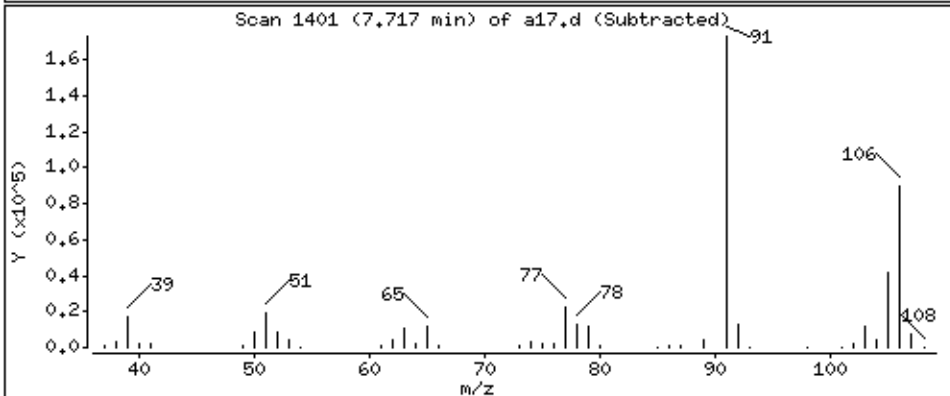
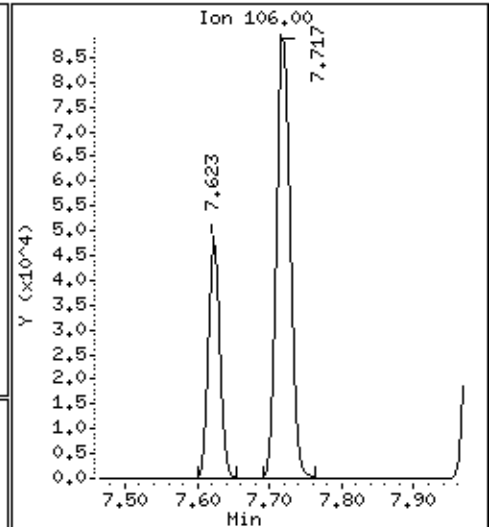
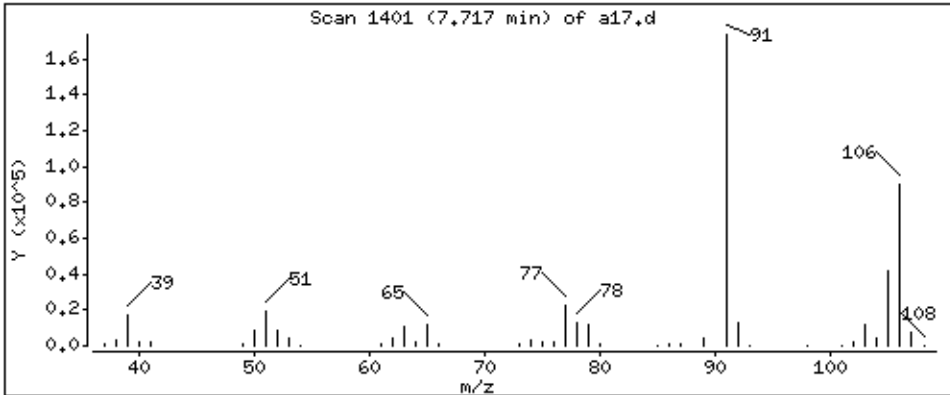
Column phase: DB-624

Column diameter: 0,18

66 m&p-Xylene

Concentration: 89,1 ppb

Review Code:



Date : 02-JUL-2014 18:43

Client ID: THW-5(12-14)MS

Instrument: 50mw3a.i

Sample Info: 1122048,71089;5

Operator: jlz

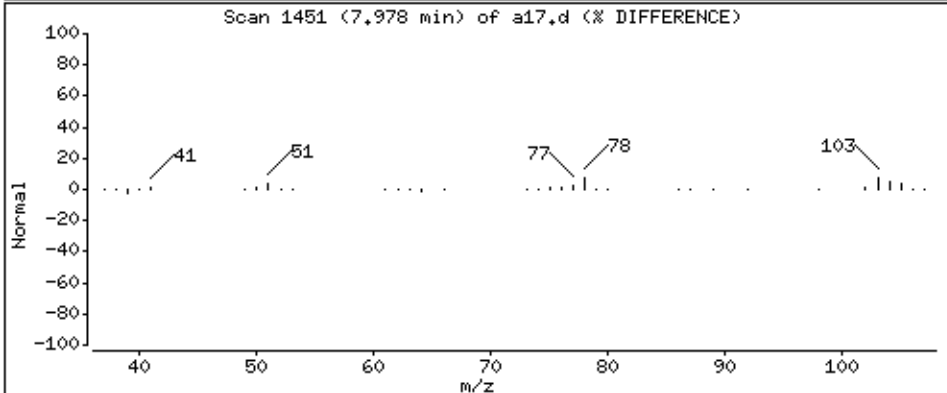
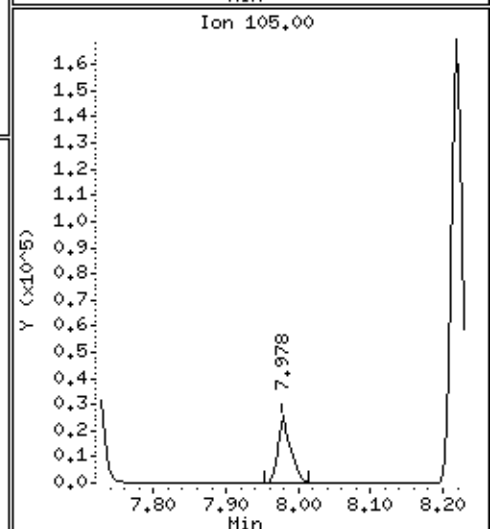
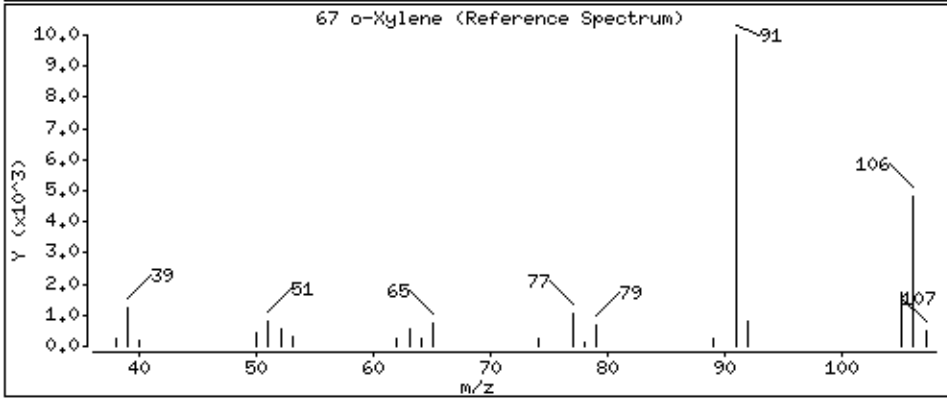
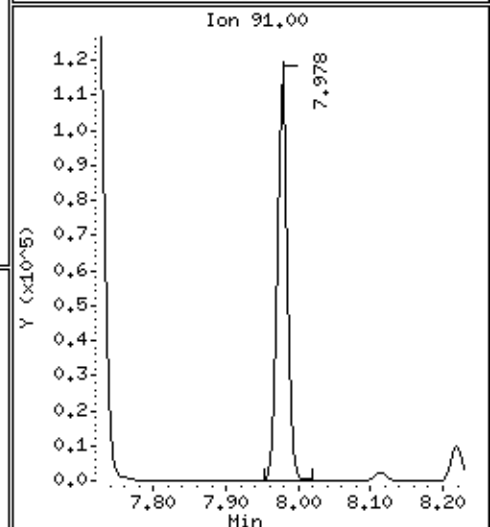
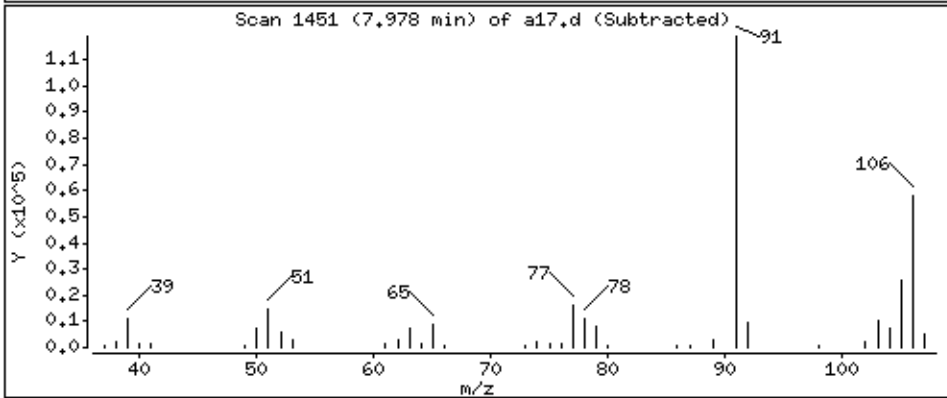
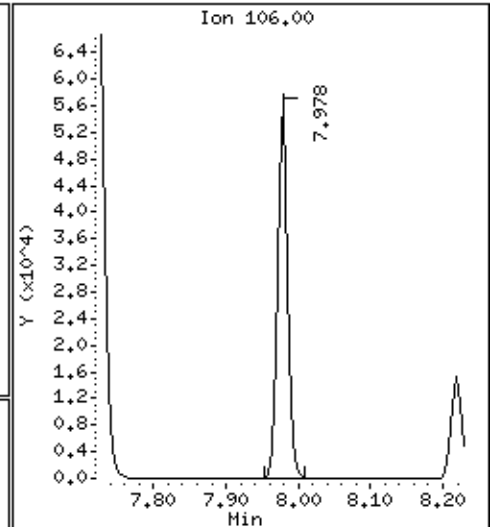
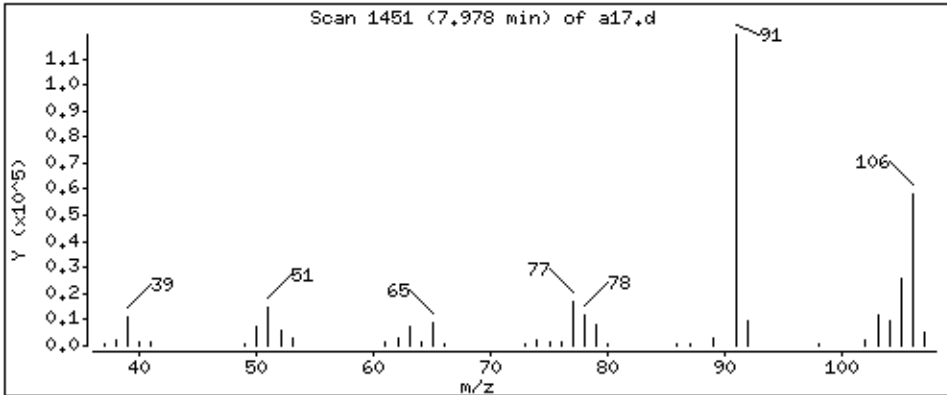
Column phase: DB-624

Column diameter: 0,18

67 o-Xylene

Concentration: 44,6 ppb

Review Code:



Date : 02-JUL-2014 18:43

Client ID: THW-5(12-14)MS

Instrument: 50mv3a.i

Sample Info: 1122048,71089;5

Operator: jlz

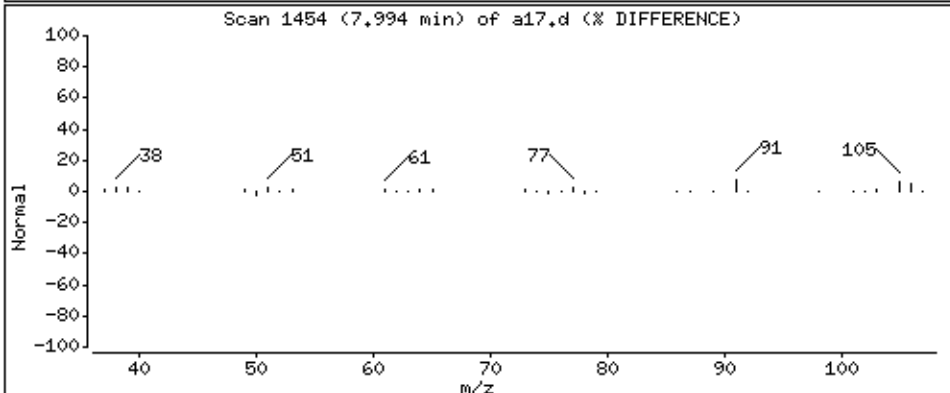
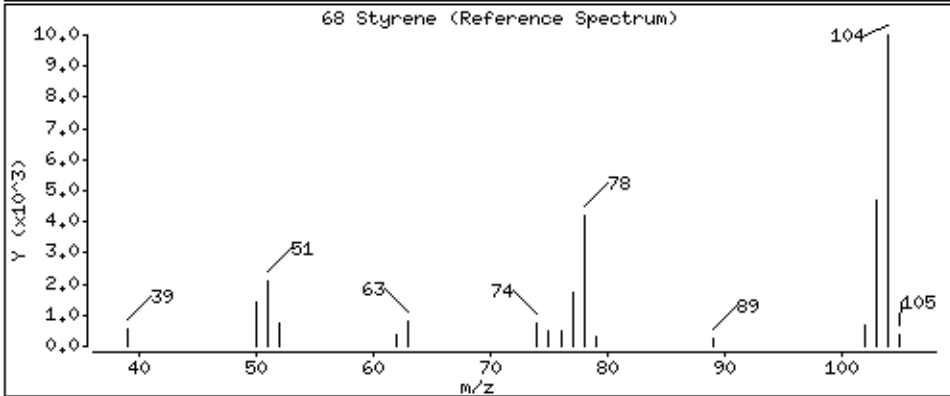
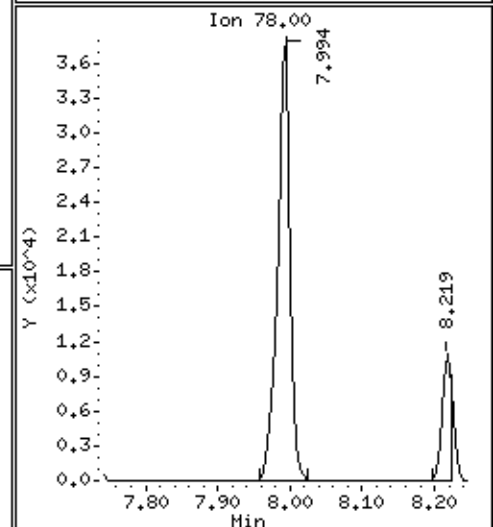
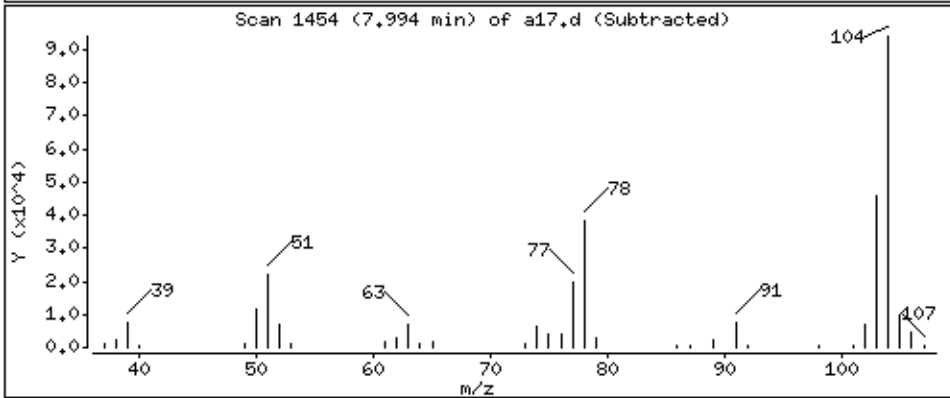
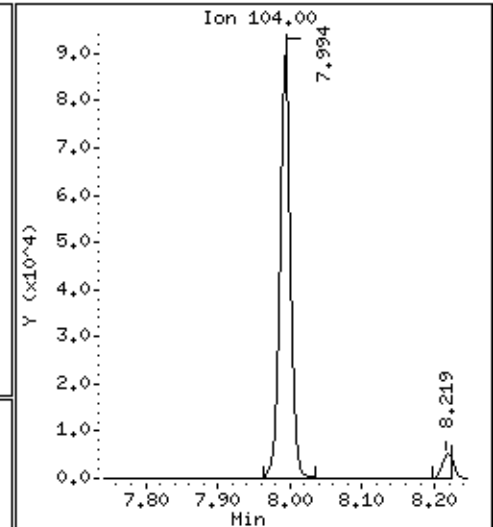
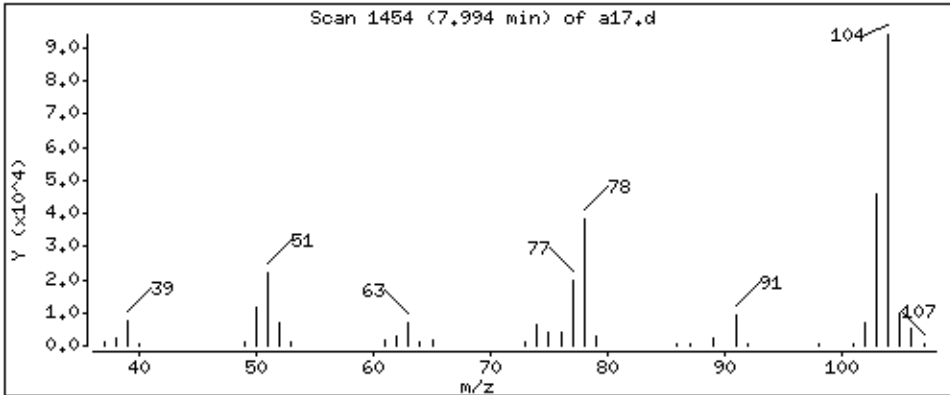
Column phase: DB-624

Column diameter: 0,18

68 Styrene

Concentration: 45,3 ppb

Review Code:



Date : 02-JUL-2014 18:43

Client ID: THW-5(12-14)MS

Instrument: 50mv3a.i

Sample Info: 1122048,71089;5

Operator: jlz

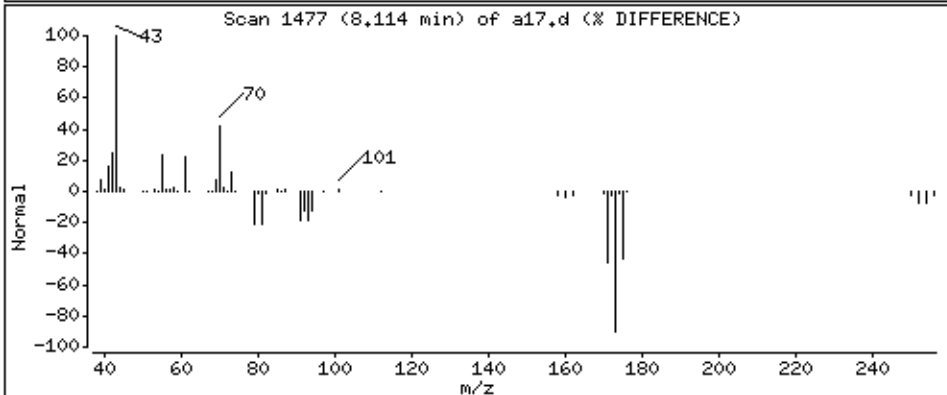
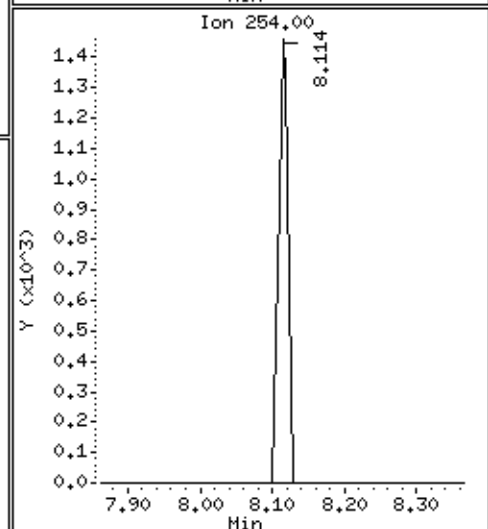
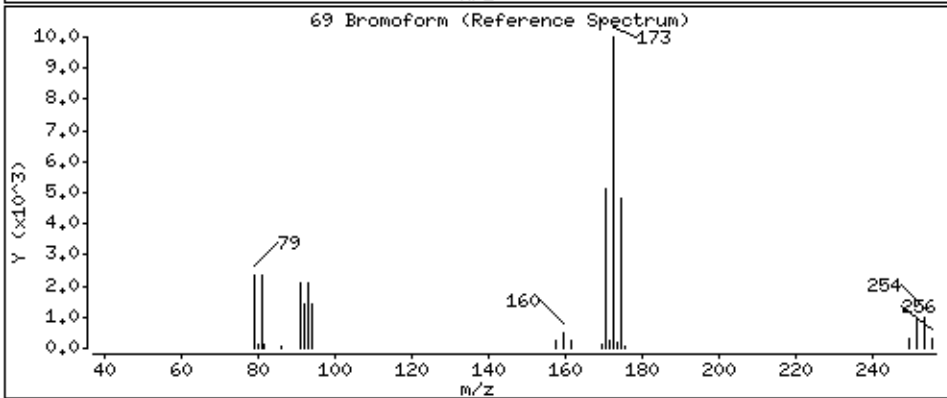
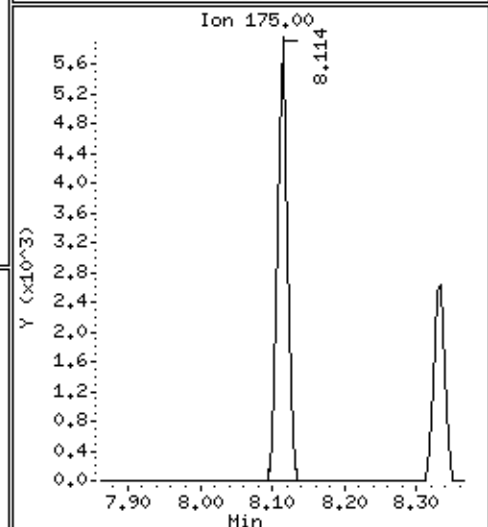
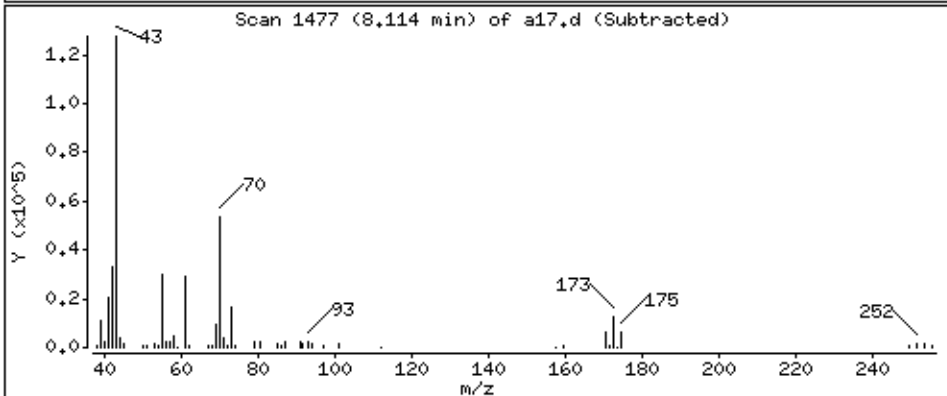
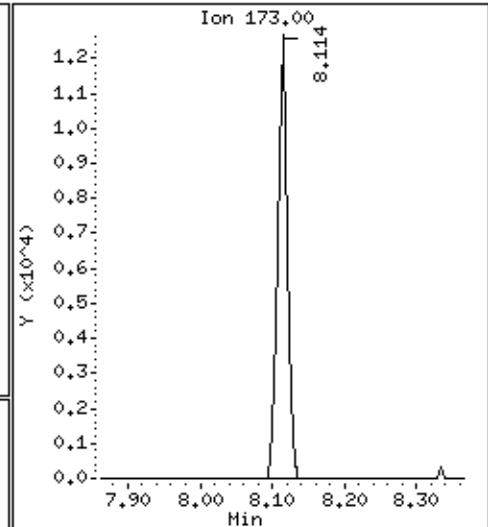
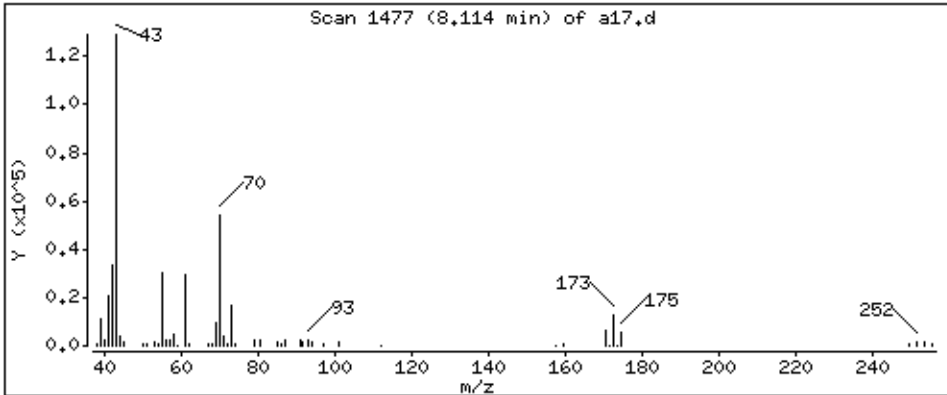
Column phase: DB-624

Column diameter: 0,18

69 Bromoform

Concentration: 42,5 ppb

Review Code:



Date : 02-JUL-2014 18:43

Client ID: THW-5(12-14)MS

Instrument: 50mw3a.i

Sample Info: 1122048,71089;5

Operator: jlj

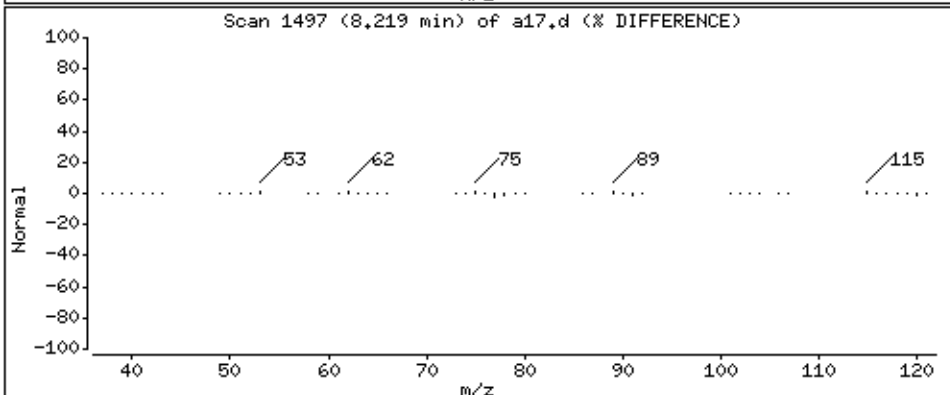
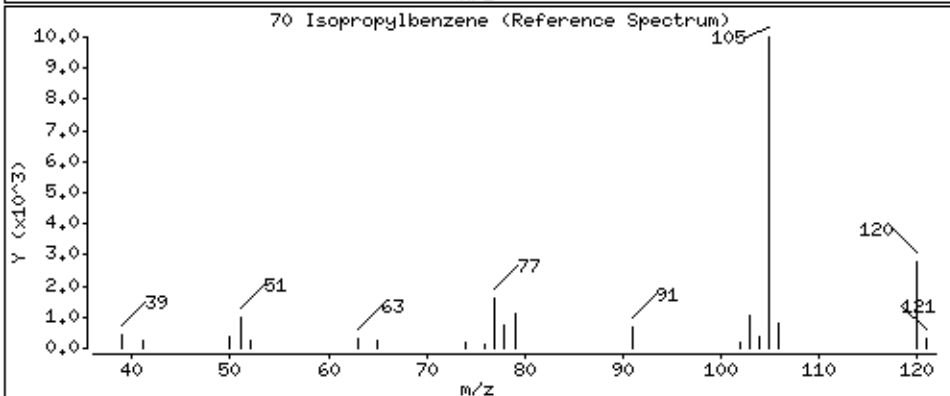
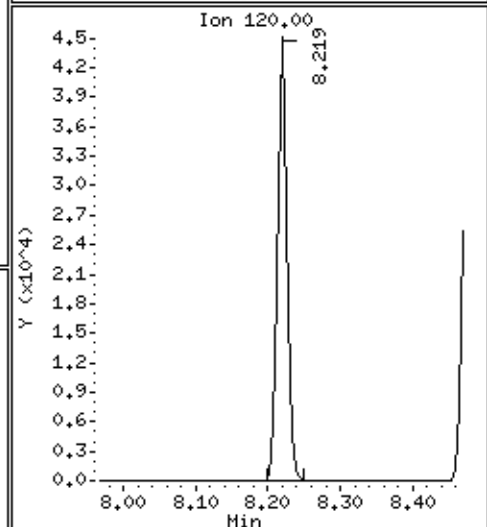
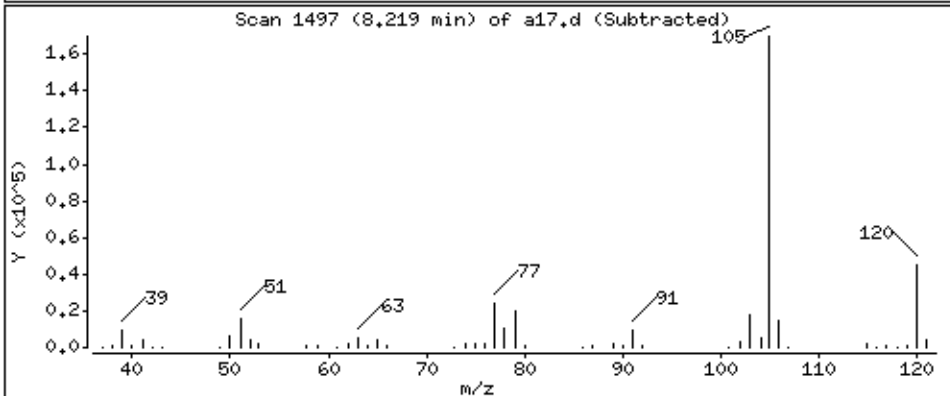
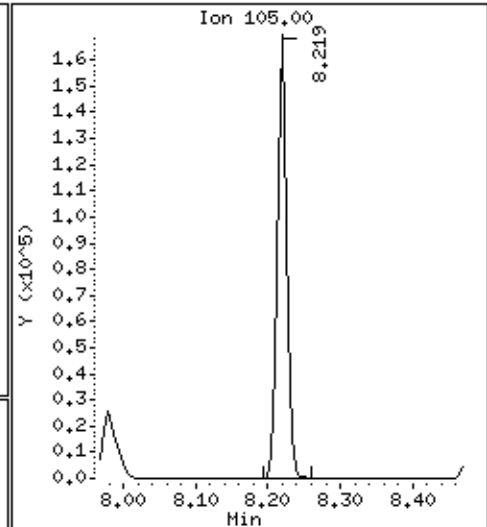
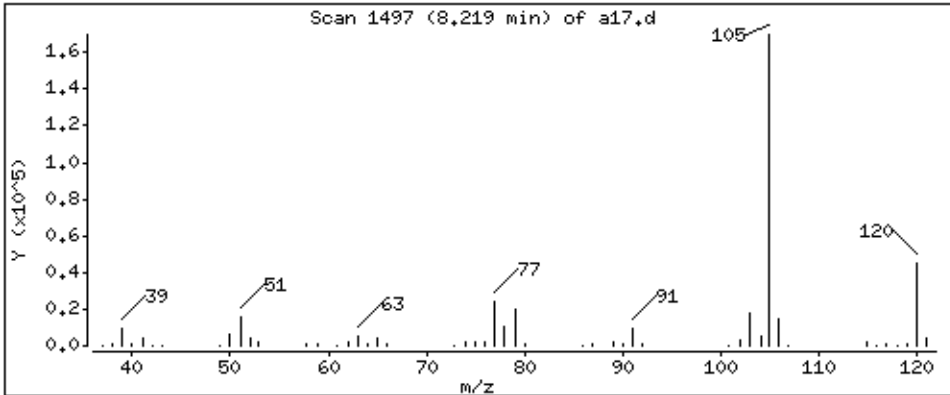
Column phase: DB-624

Column diameter: 0,18

70 Isopropylbenzene

Concentration: 45,4 ppb

Review Code:



Date : 02-JUL-2014 18:43

Client ID: THW-5(12-14)MS

Instrument: 50mv3a.i

Sample Info: 1122048,71089;5

Operator: jlz

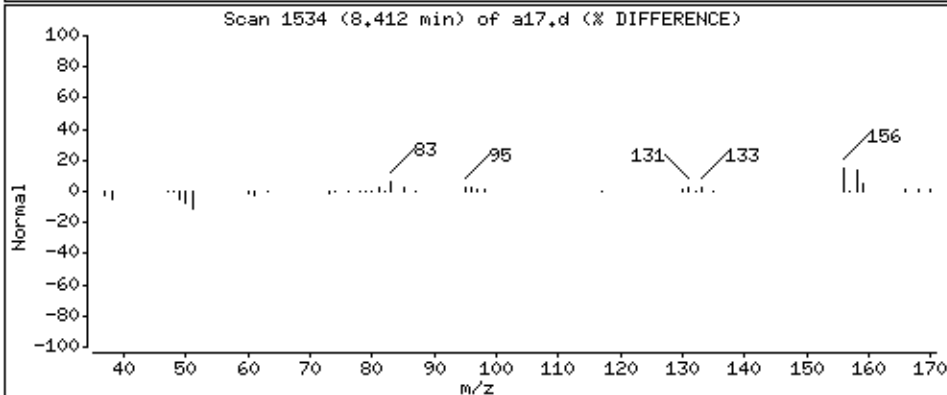
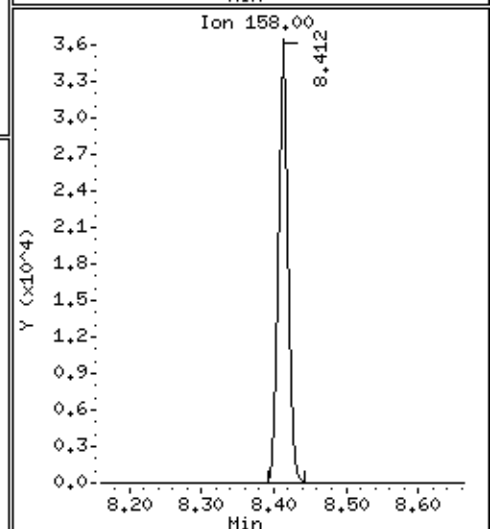
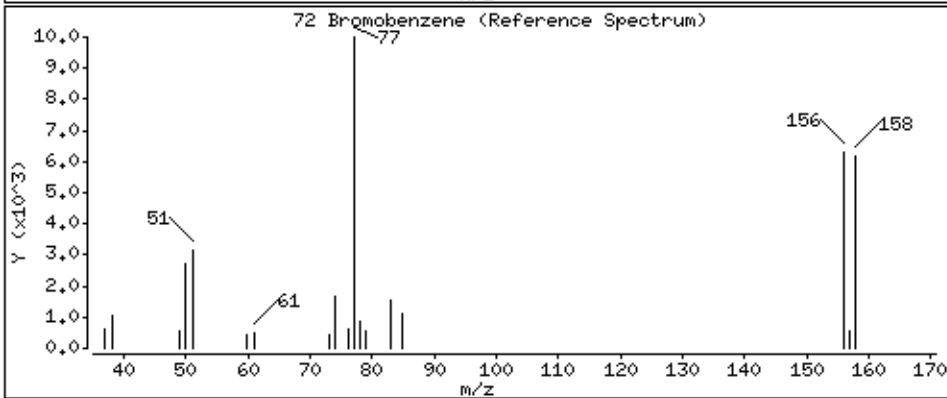
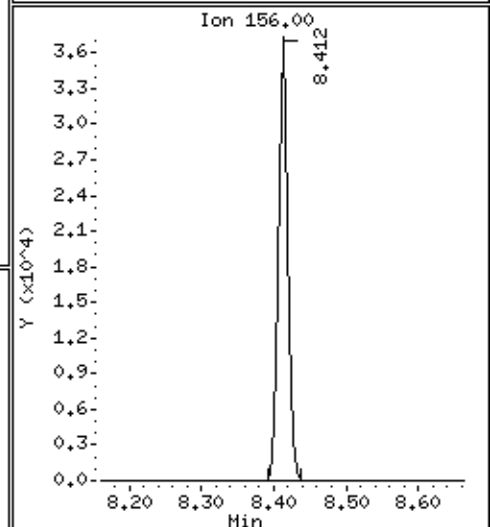
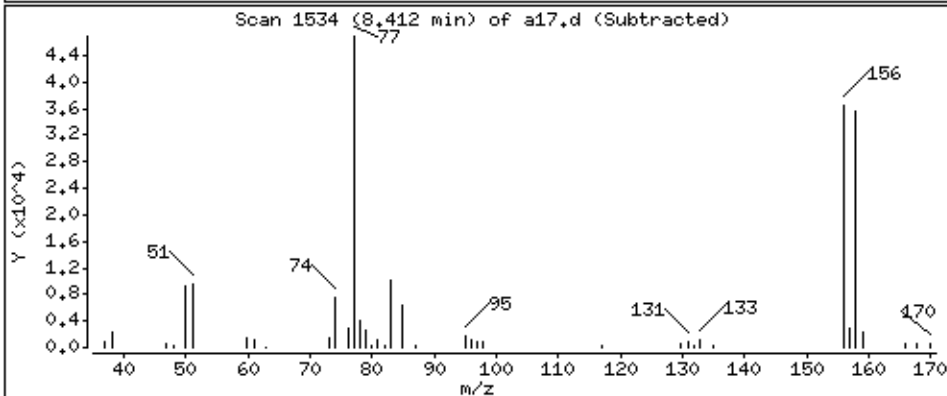
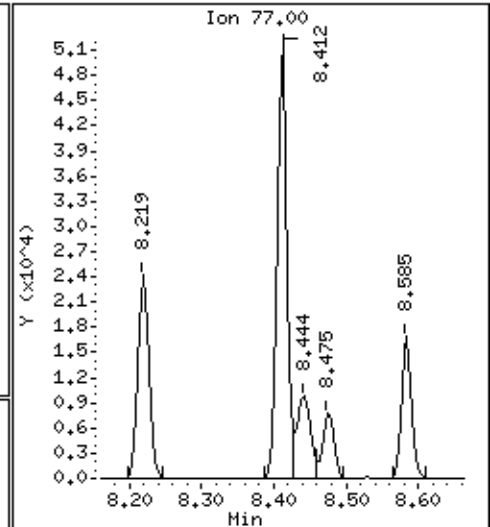
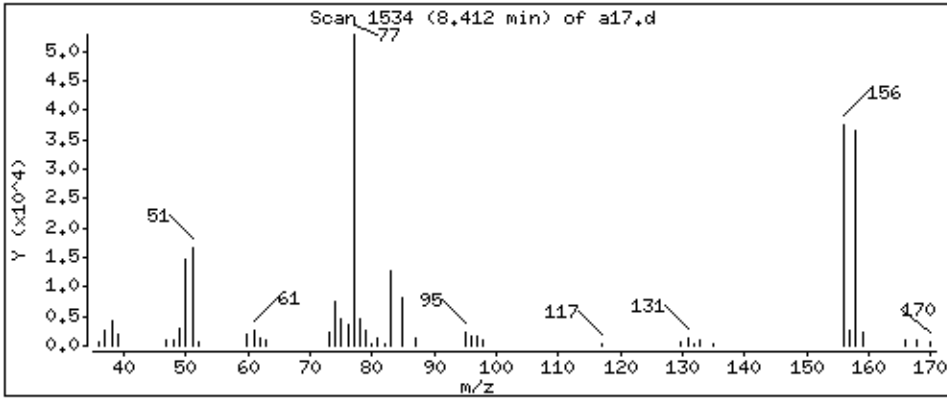
Column phase: DB-624

Column diameter: 0,18

72 Bromobenzene

Concentration: 41.9 ppb

Review Code:



Date : 02-JUL-2014 18:43

Client ID: THW-5(12-14)MS

Instrument: 50mv3a.i

Sample Info: 1122048,71089;5

Operator: jlz

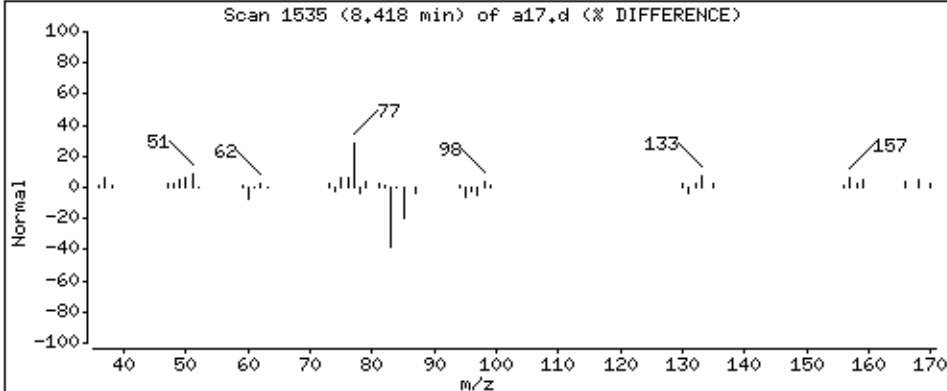
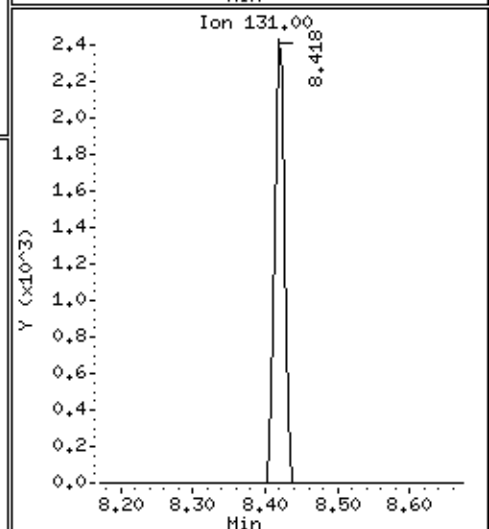
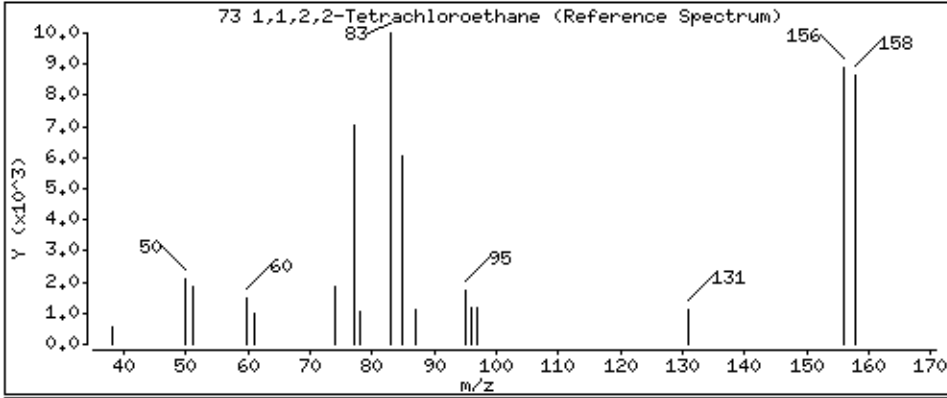
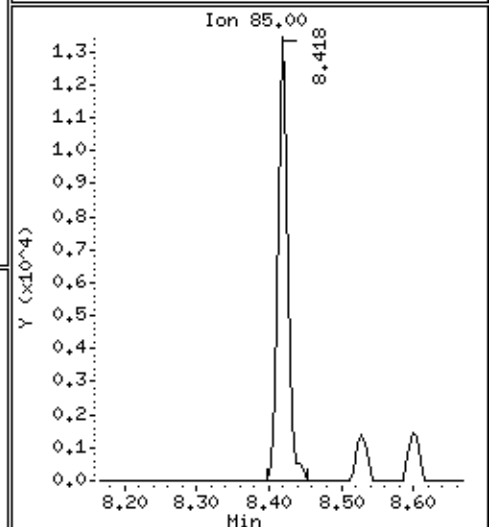
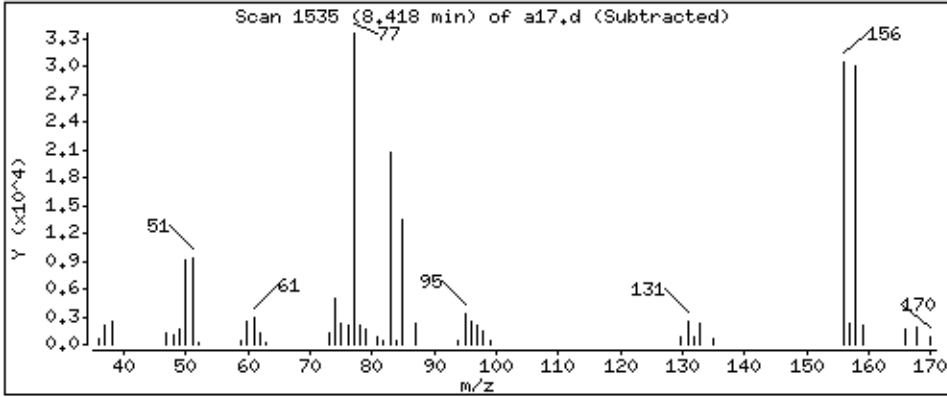
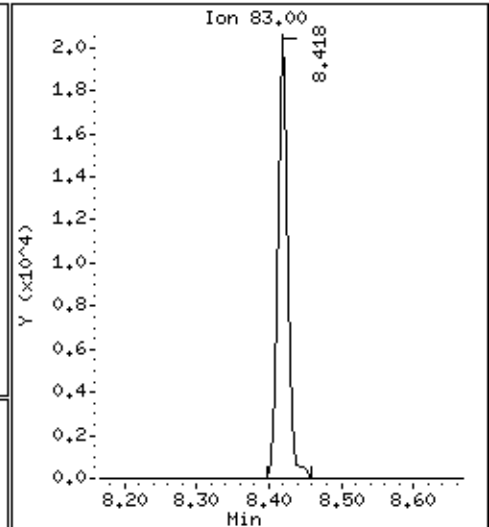
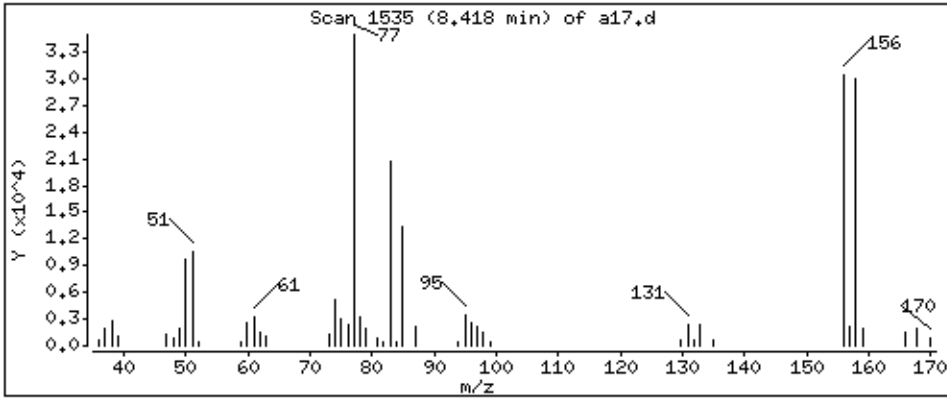
Column phase: DB-624

Column diameter: 0,18

73 1,1,2,2-Tetrachloroethane

Concentration: 41.6 ppb

Review Code:



Date : 02-JUL-2014 18:43

Client ID: THW-5(12-14)HS

Instrument: 50mw3a.i

Sample Info: 1122048,71089;5

Operator: jlz

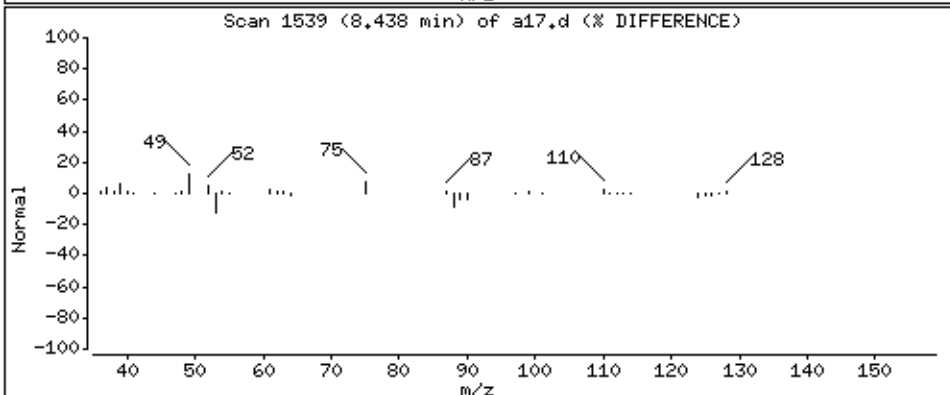
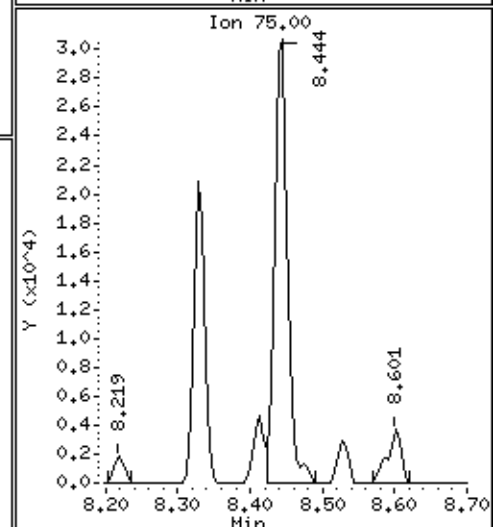
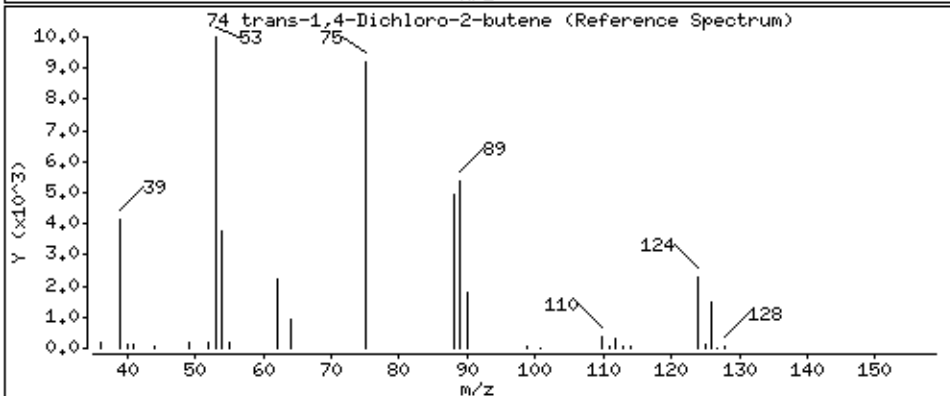
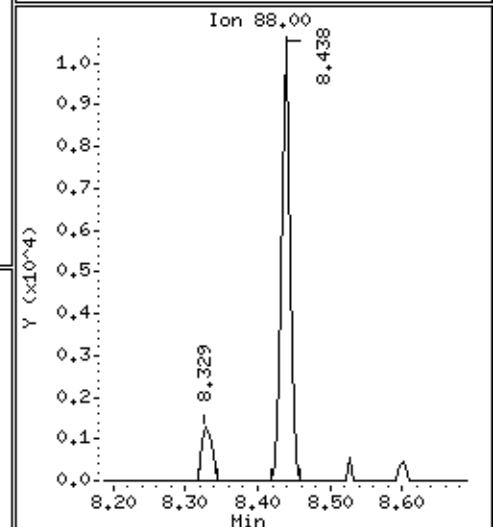
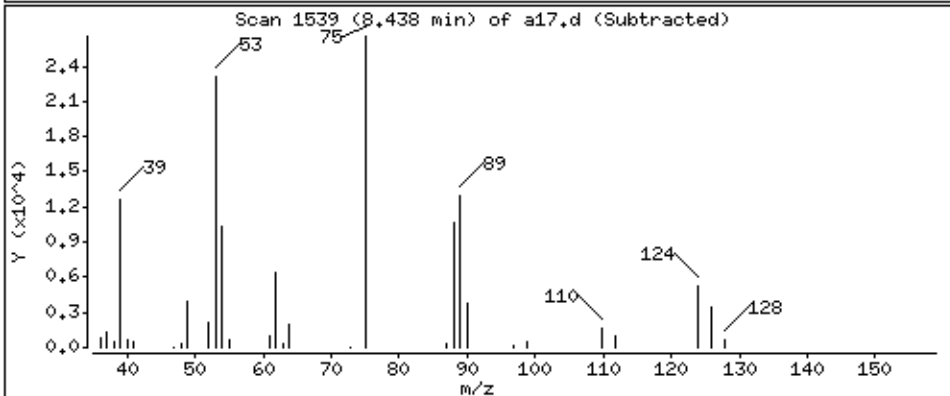
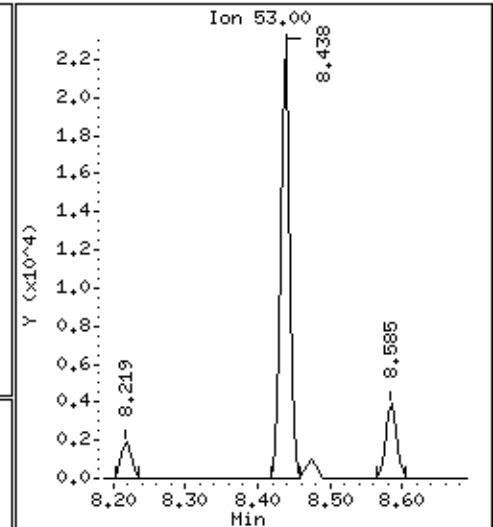
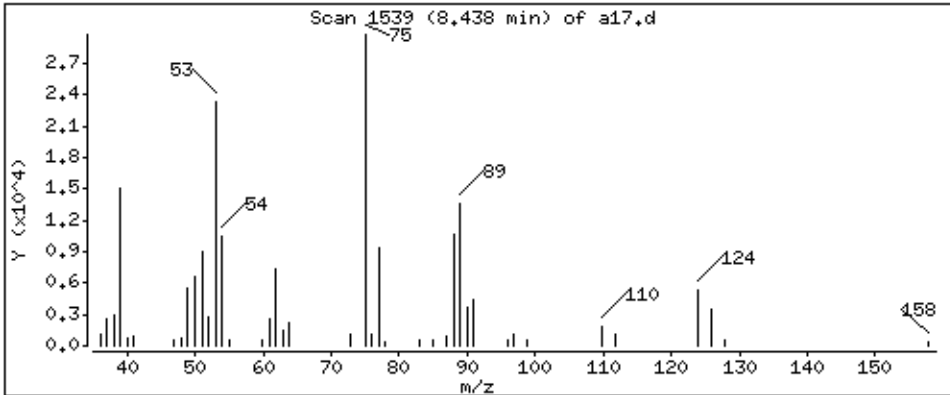
Column phase: DB-624

Column diameter: 0,18

74 trans-1,4-Dichloro-2-butene

Concentration: 161 ppb

Review Code:



Date : 02-JUL-2014 18:43

Client ID: THW-5(12-14)HS

Instrument: 50mv3a.i

Sample Info: 1122048,71089;5

Operator: jlz

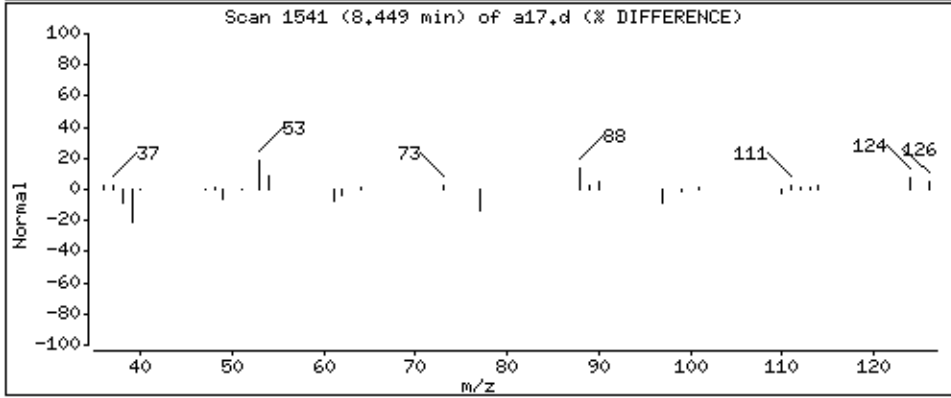
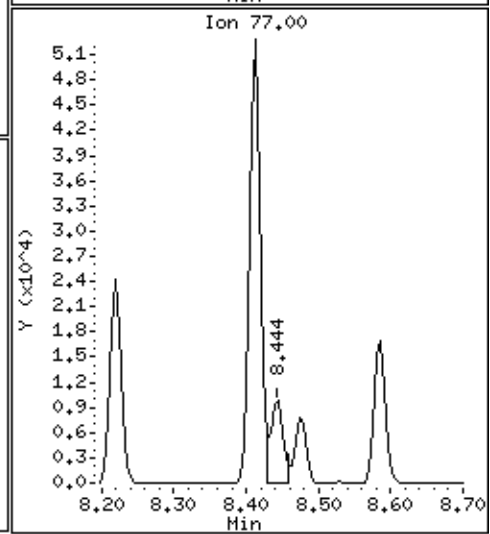
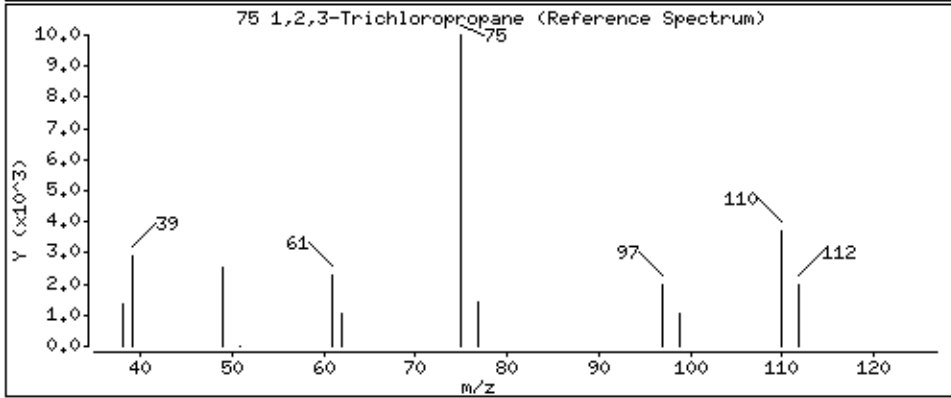
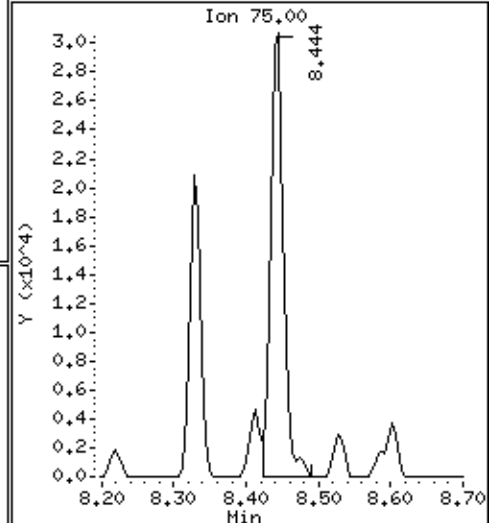
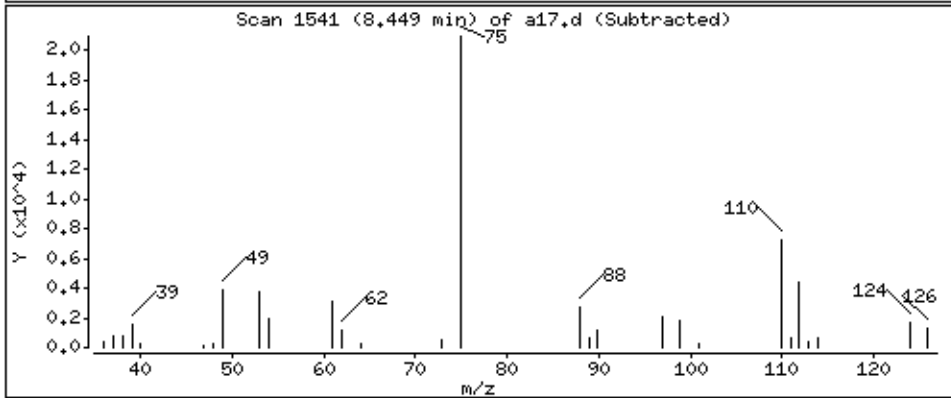
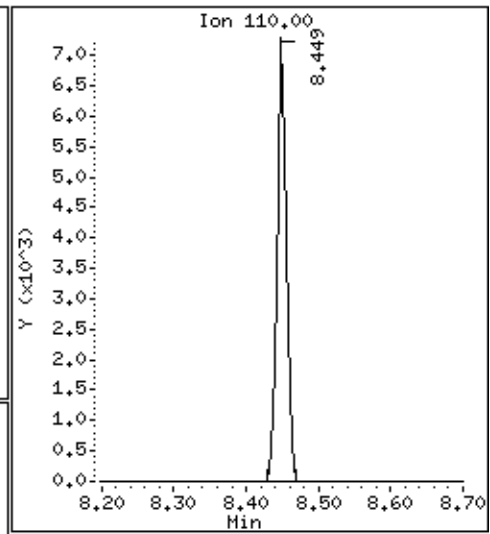
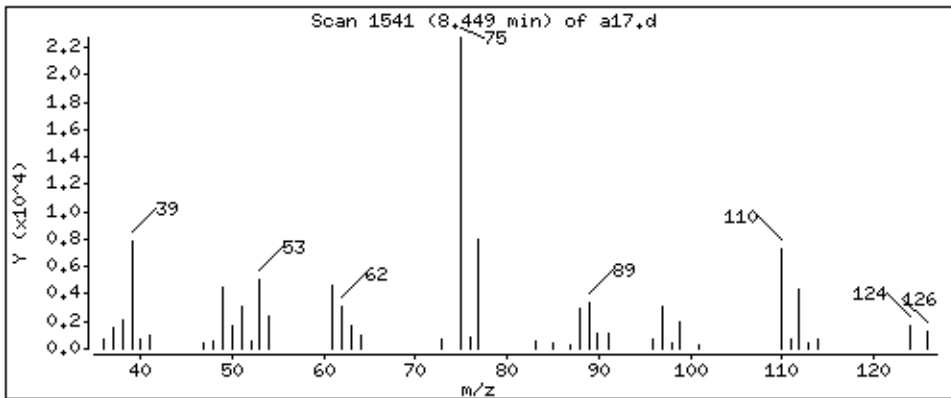
Column phase: DB-624

Column diameter: 0,18

75 1,2,3-Trichloropropane

Concentration: 40,9 ppb

Review Code:



Date : 02-JUL-2014 18:43

Client ID: THW-5(12-14)MS

Instrument: 50mv3a.i

Sample Info: 1122048,71089;5

Operator: jlz

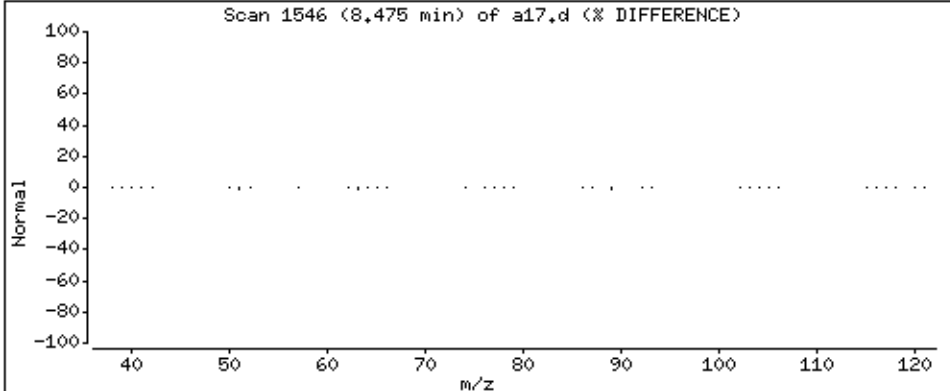
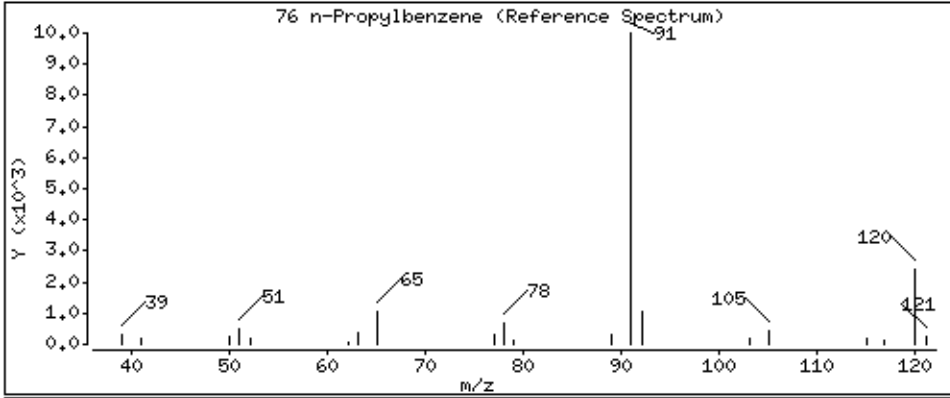
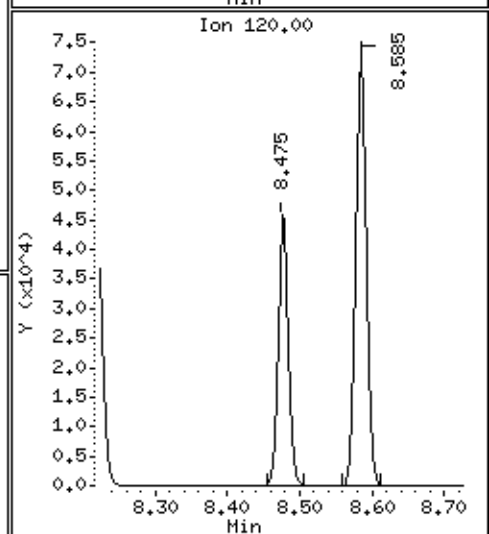
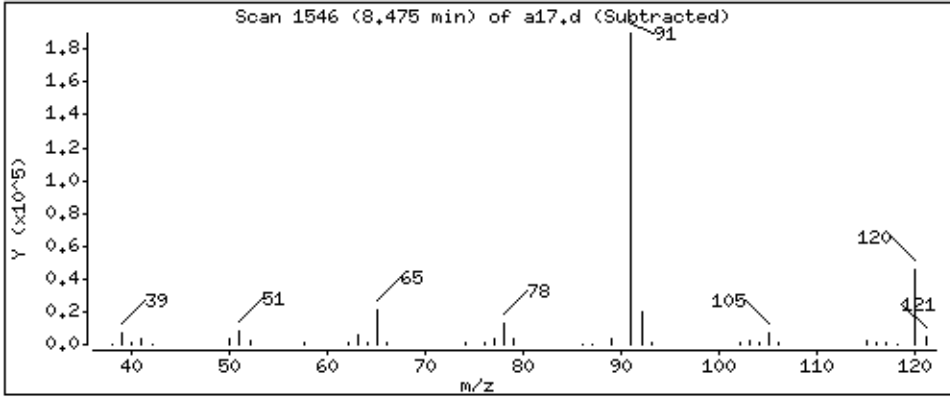
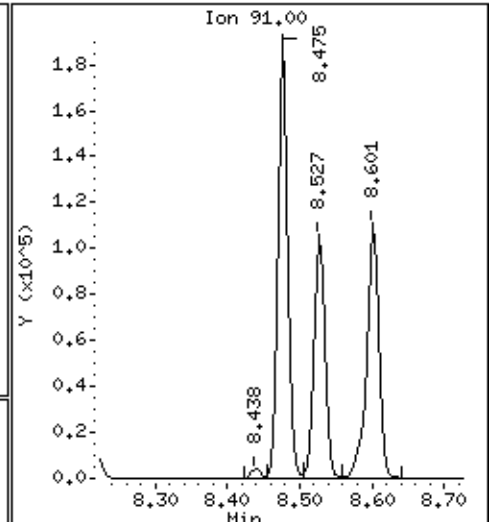
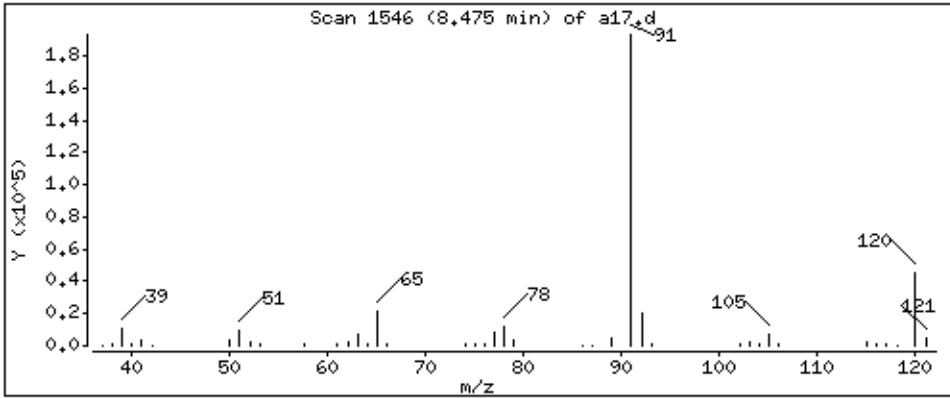
Column phase: DB-624

Column diameter: 0,18

76 n-Propylbenzene

Concentration: 43.2 ppb

Review Code:



Date : 02-JUL-2014 18:43

Client ID: THW-5(12-14)HS

Instrument: 50mv3a.i

Sample Info: 1122048,71089;5

Operator: jlz

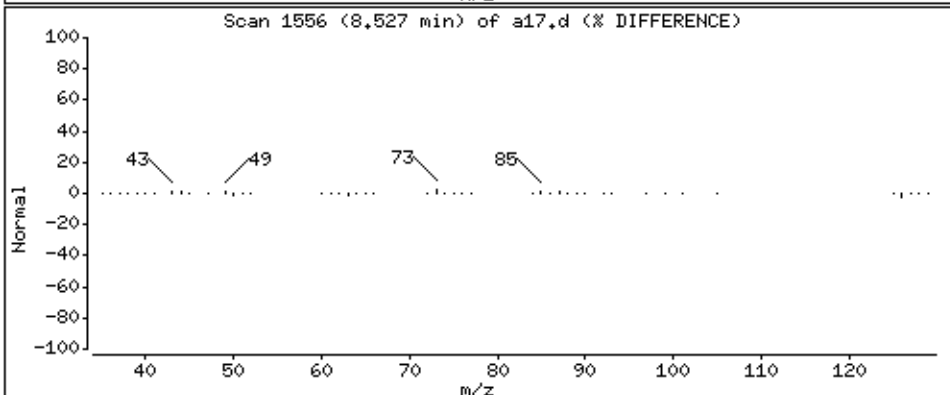
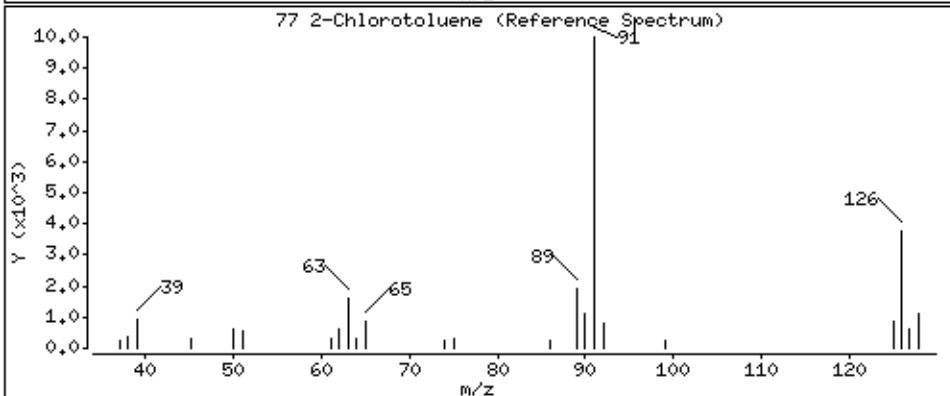
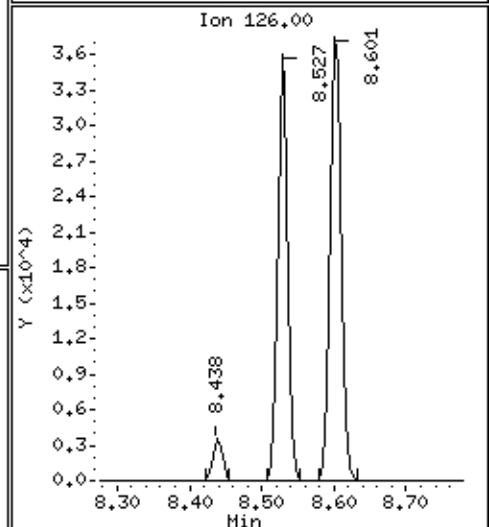
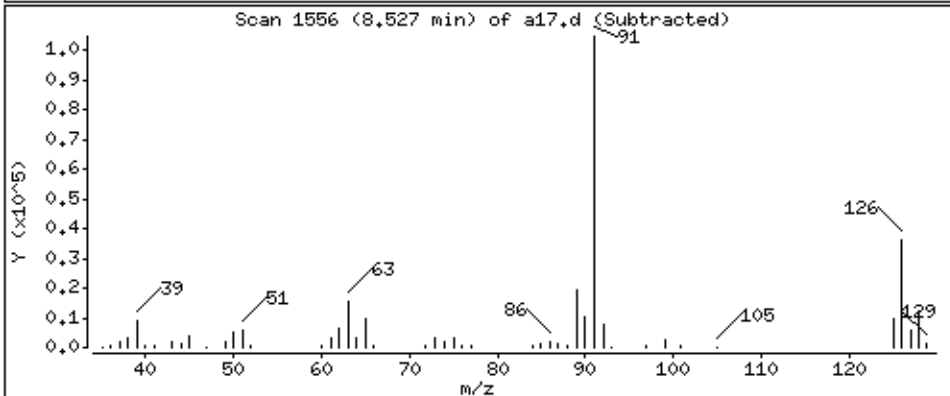
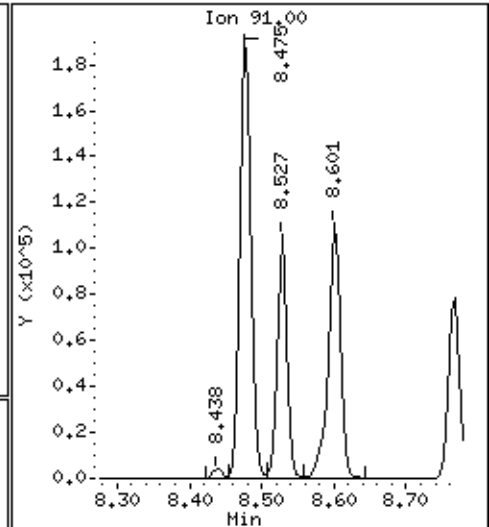
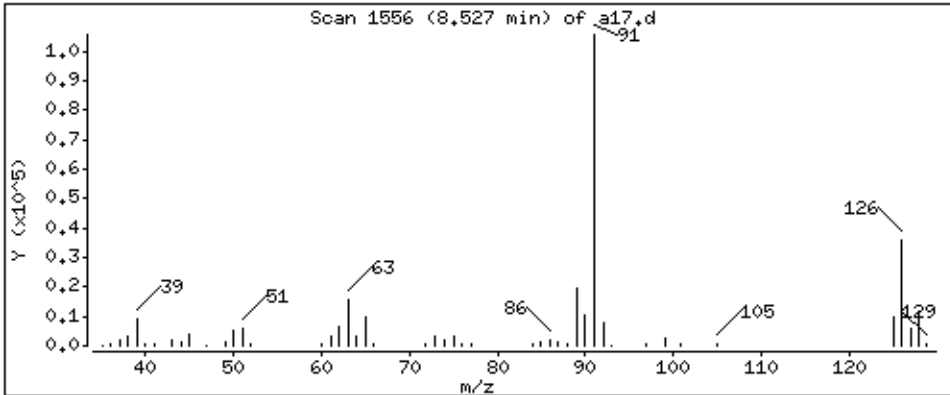
Column phase: DB-624

Column diameter: 0,18

77 2-Chlorotoluene

Concentration: 42.2 ppb

Review Code:



Date : 02-JUL-2014 18:43

Client ID: THW-5(12-14)MS

Instrument: 50mv3a.i

Sample Info: 1122048,71089;5

Operator: jlz

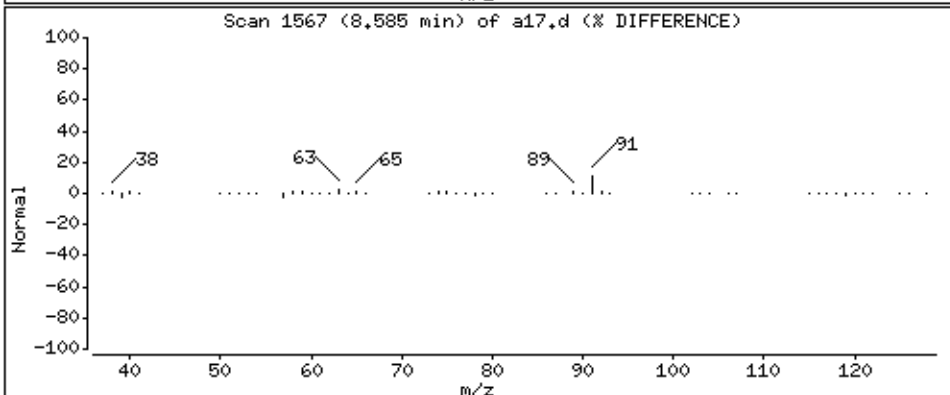
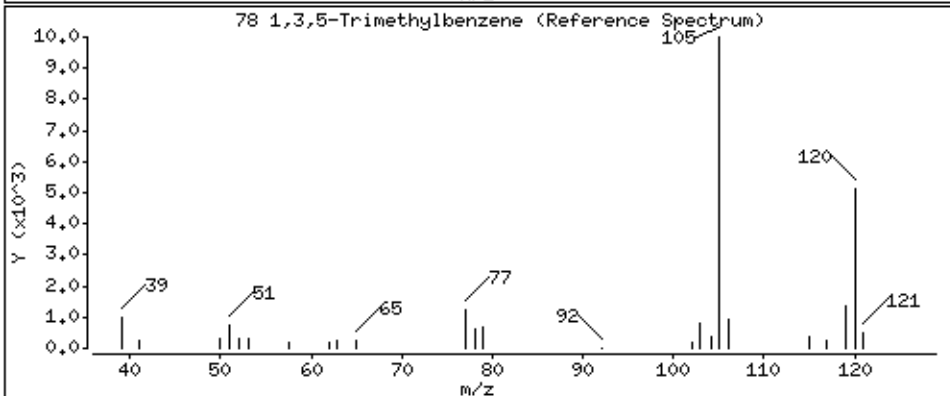
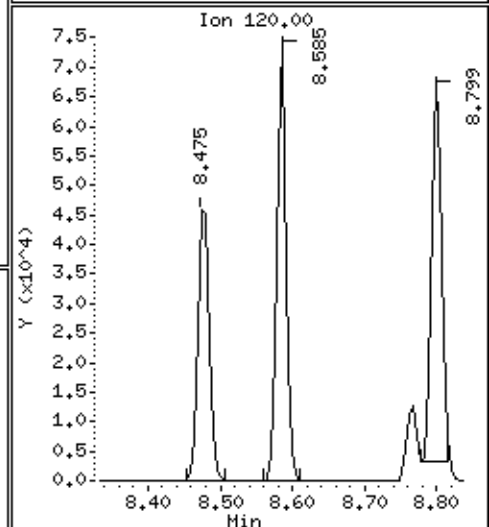
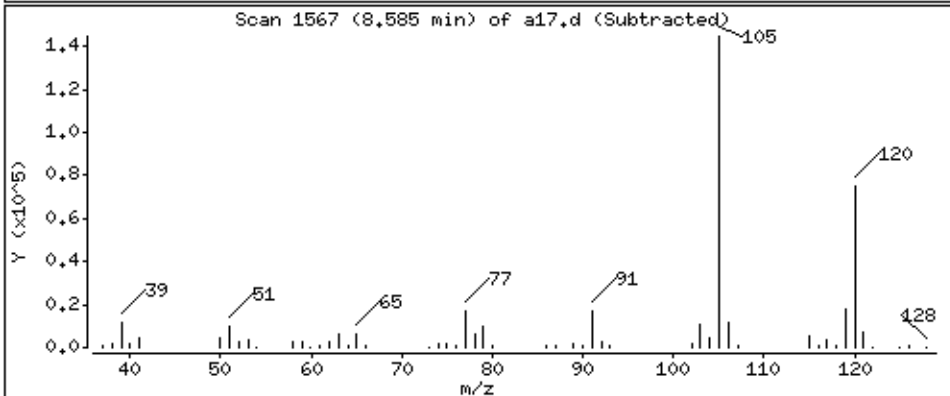
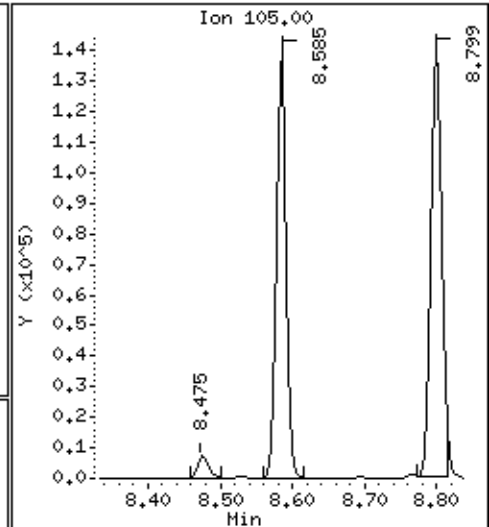
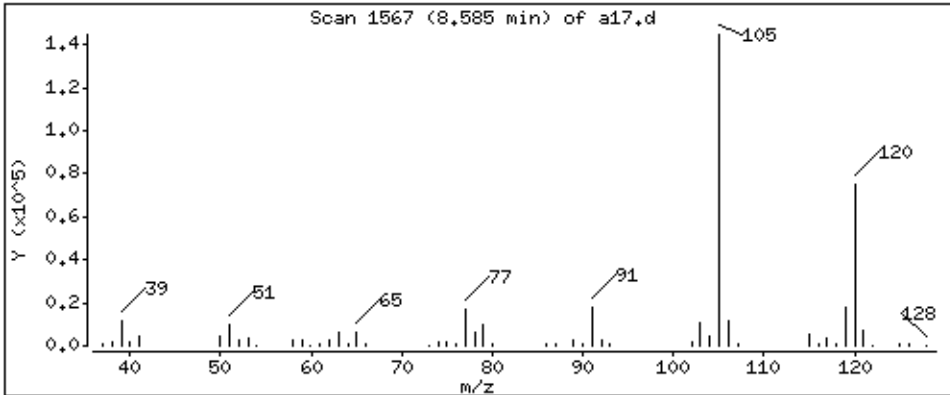
Column phase: DB-624

Column diameter: 0,18

78 1,3,5-Trimethylbenzene

Concentration: 42,5 ppb

Review Code:



Date : 02-JUL-2014 18:43

Client ID: THW-5(12-14)HS

Instrument: 50mv3a.i

Sample Info: 1122048,71089;5

Operator: jlz

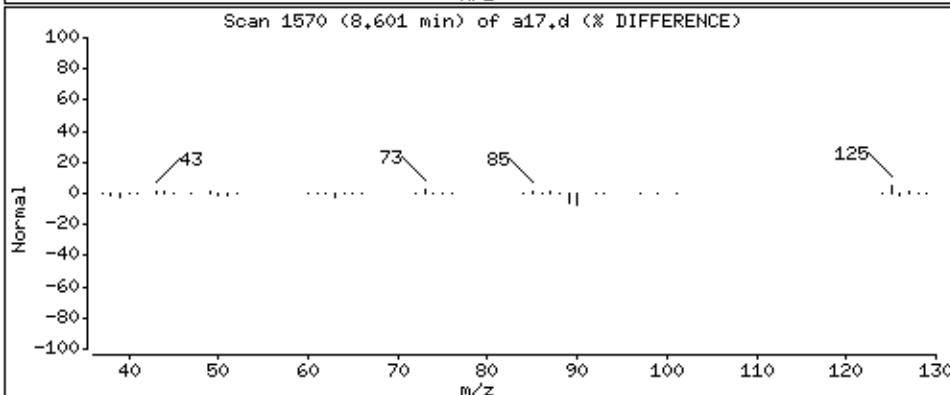
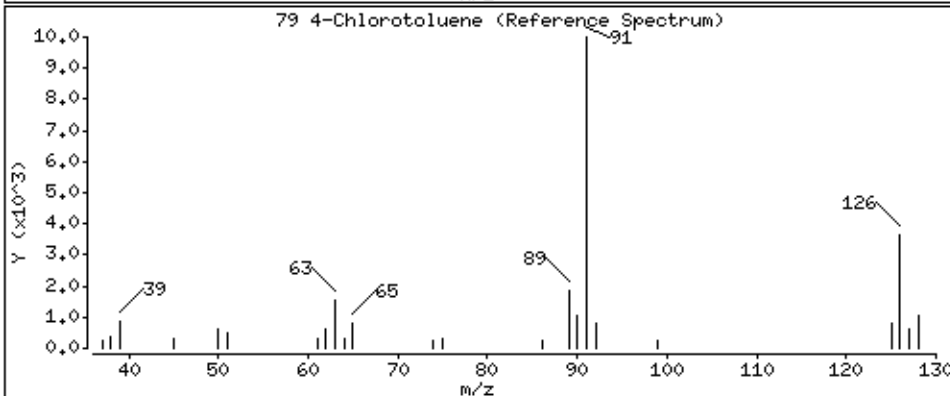
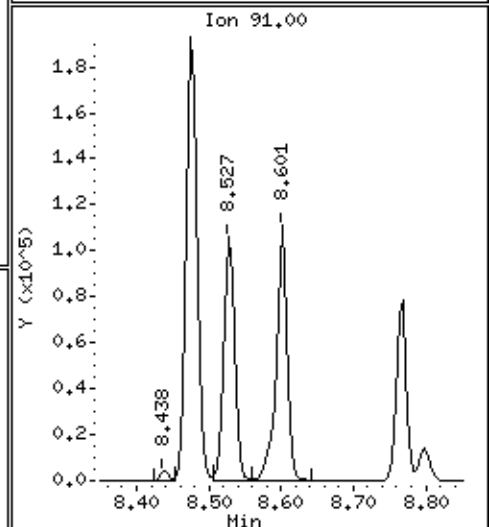
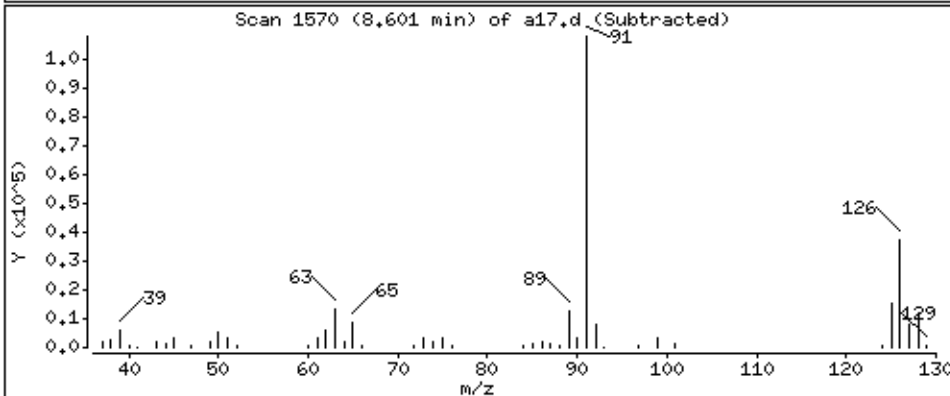
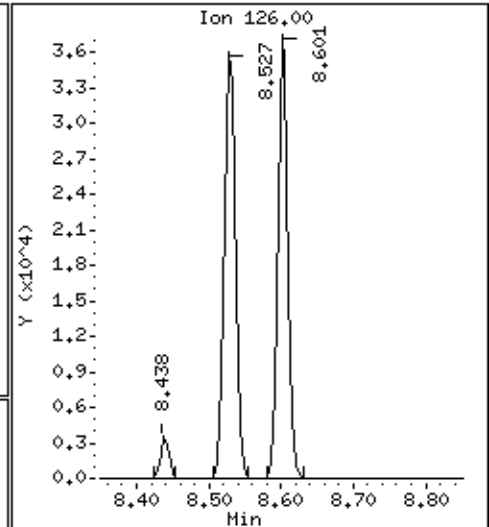
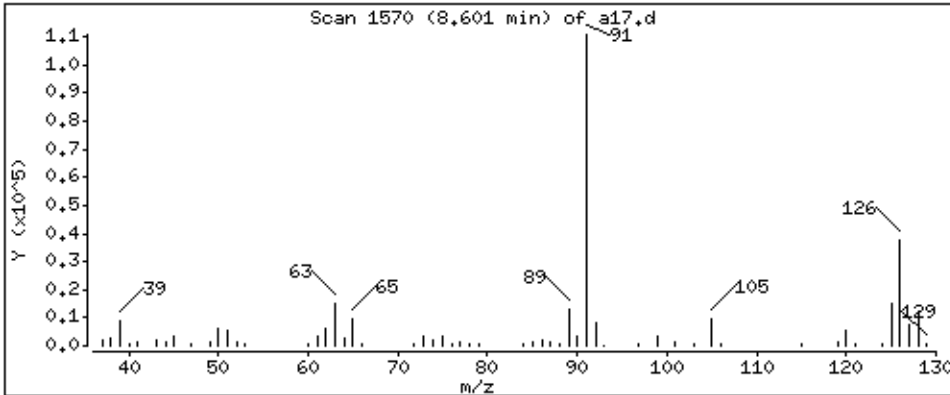
Column phase: DB-624

Column diameter: 0,18

79 4-Chlorotoluene

Concentration: 43.9 ppb

Review Code:



Date : 02-JUL-2014 18:43

Client ID: THW-5(12-14)MS

Instrument: 50mv3a.i

Sample Info: 1122048,71089;5

Operator: jlz

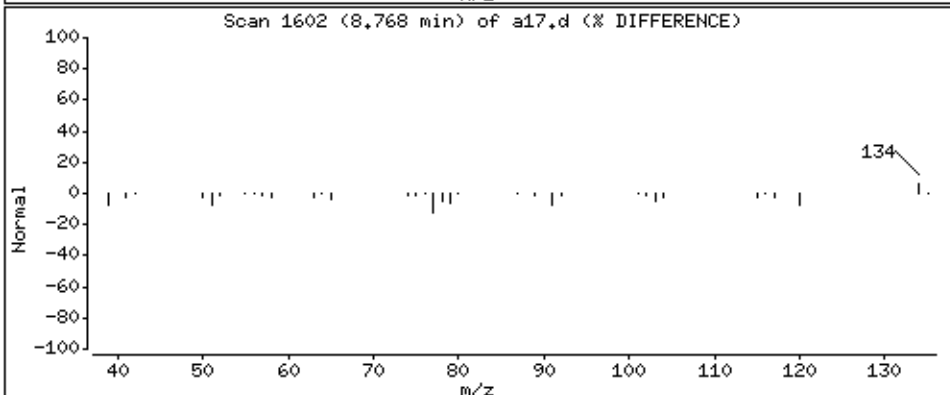
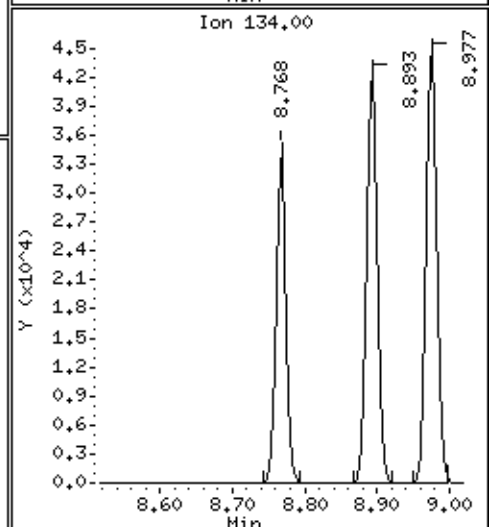
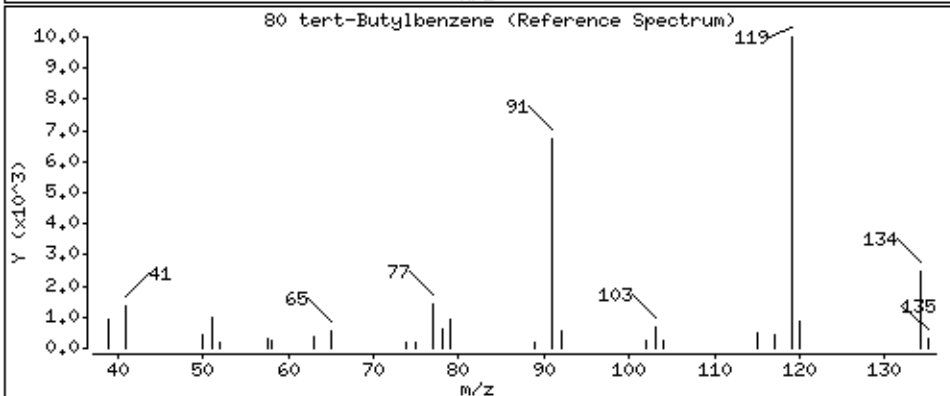
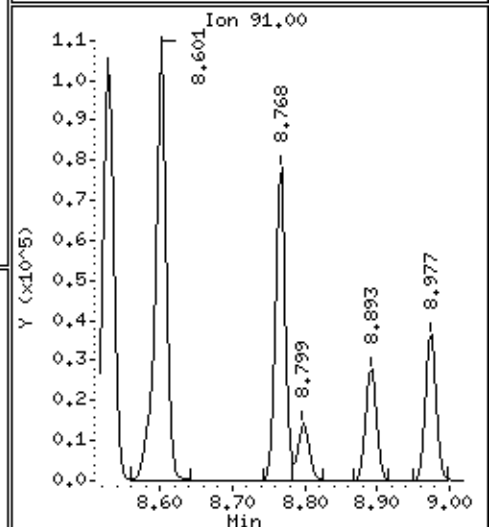
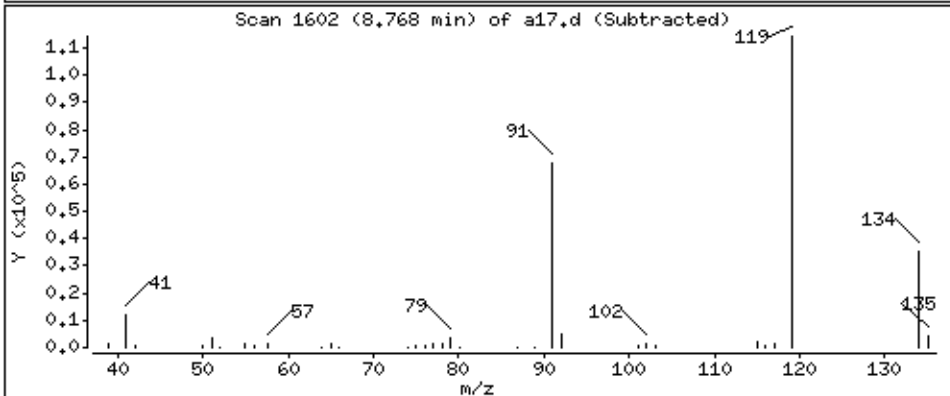
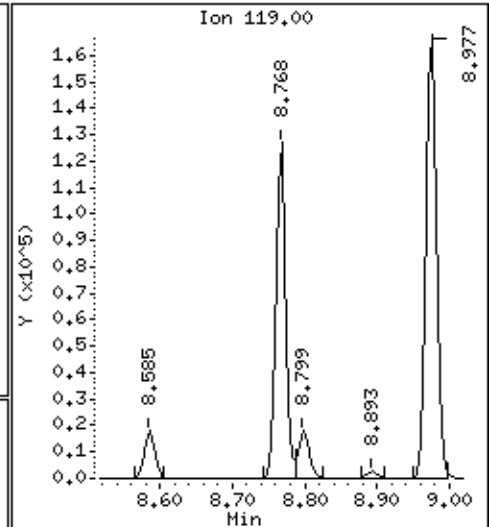
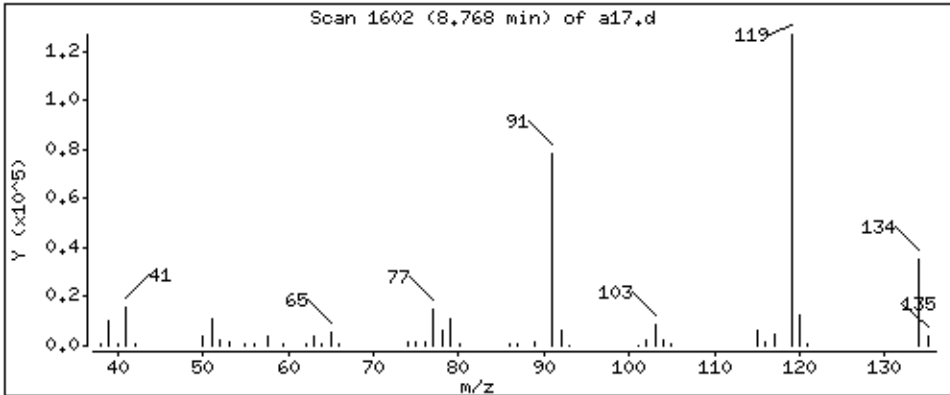
Column phase: DB-624

Column diameter: 0,18

80 tert-Butylbenzene

Concentration: 36,1 ppb

Review Code:



Date : 02-JUL-2014 18:43

Client ID: THW-5(12-14)MS

Instrument: 50mw3a.i

Sample Info: 1122048,71089;5

Operator: jlz

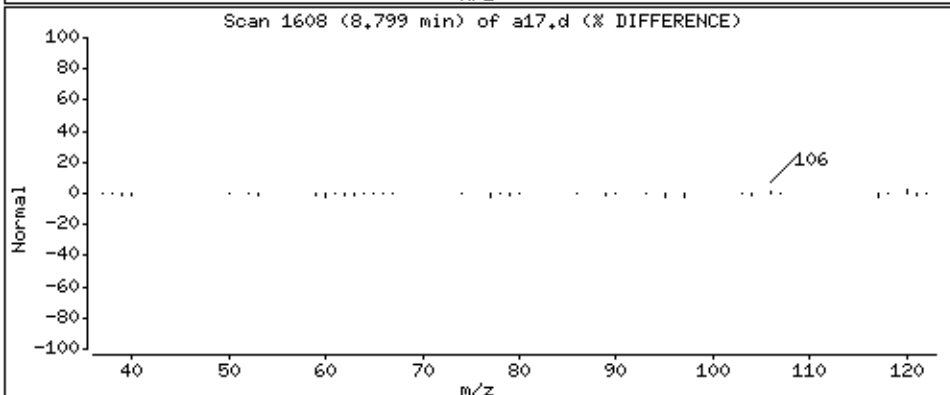
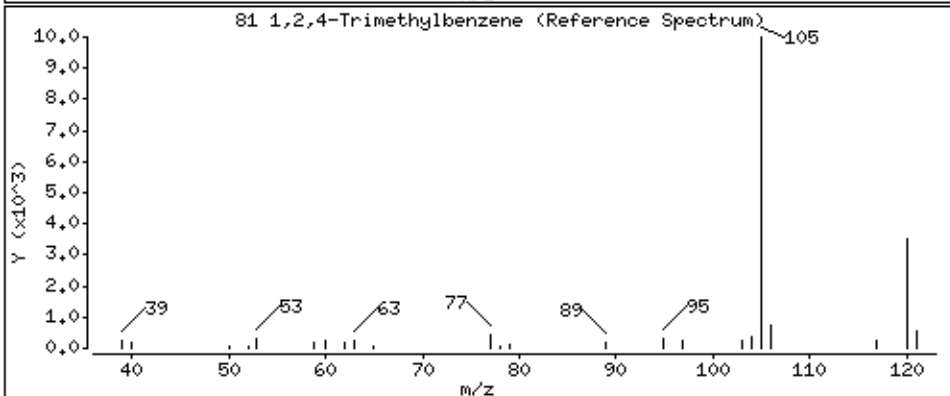
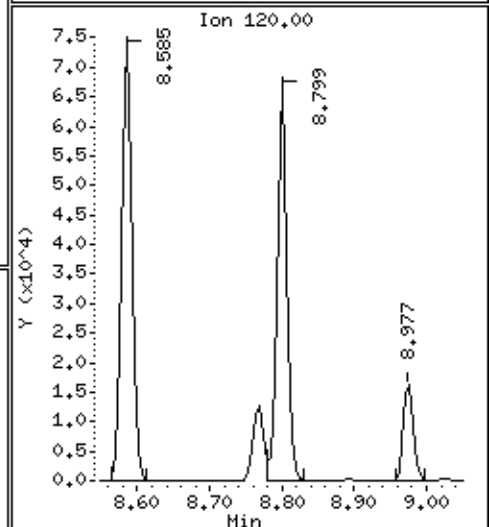
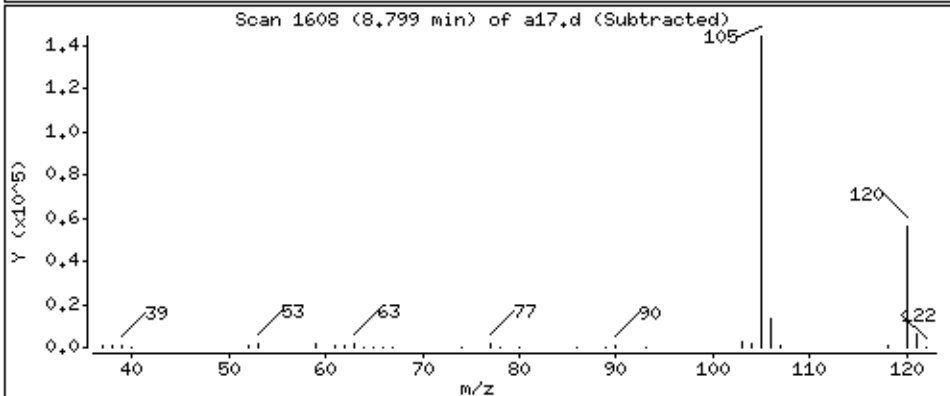
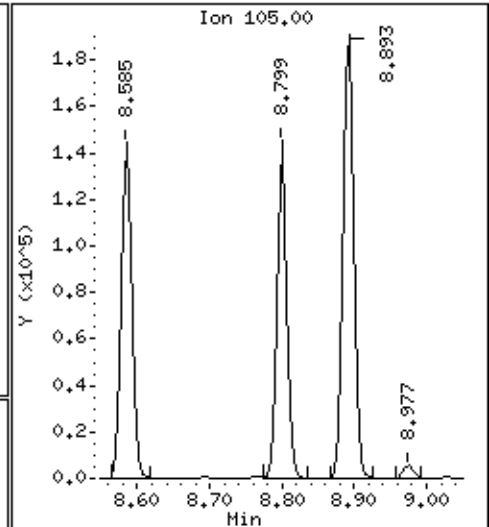
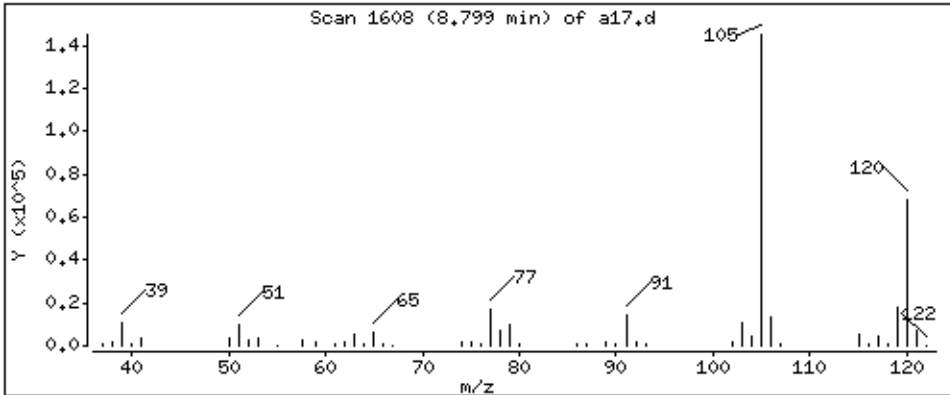
Column phase: DB-624

Column diameter: 0,18

81 1,2,4-Trimethylbenzene

Concentration: 43,8 ppb

Review Code:



Date : 02-JUL-2014 18:43

Client ID: THW-5(12-14)HS

Instrument: 50mw3a.i

Sample Info: 1122048,71089;5

Operator: jlz

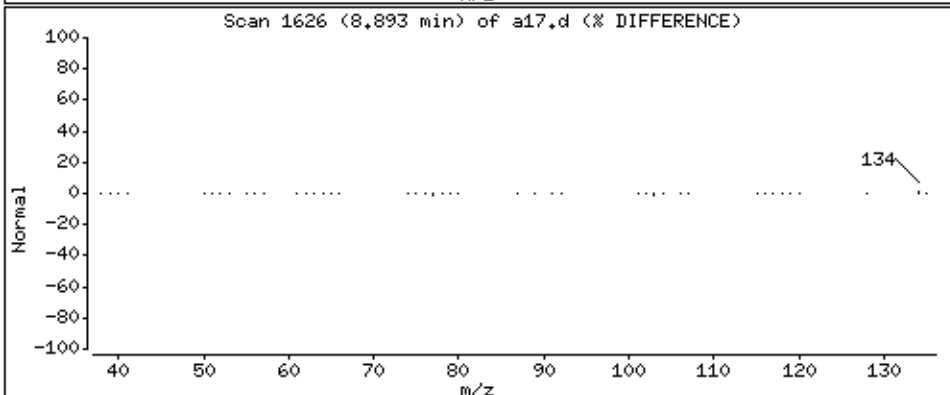
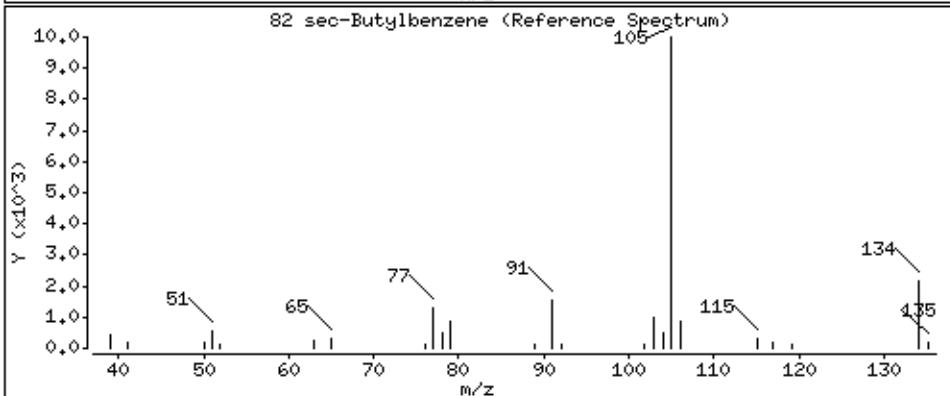
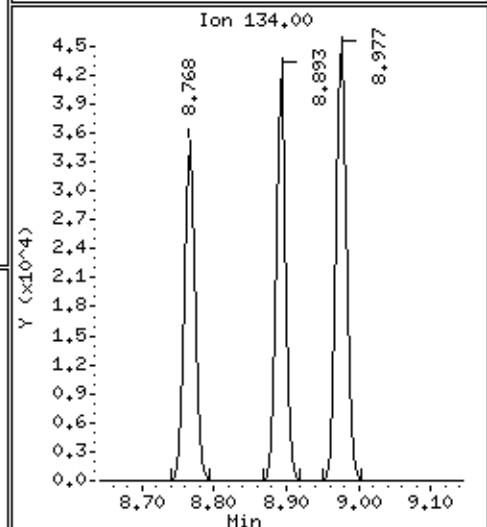
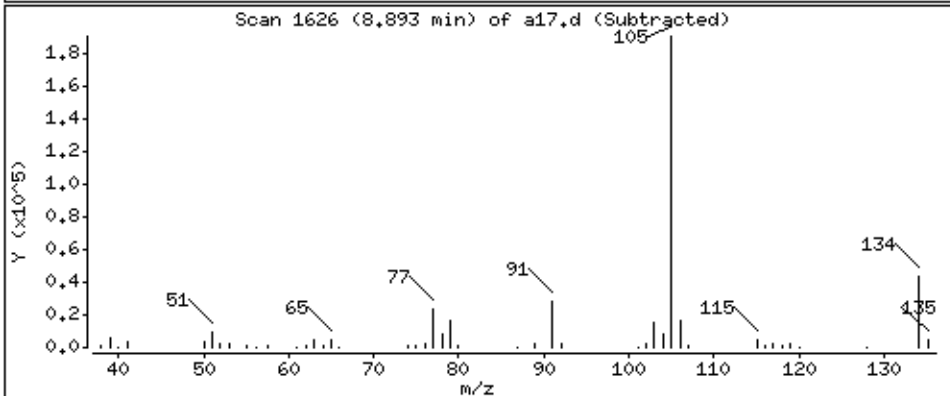
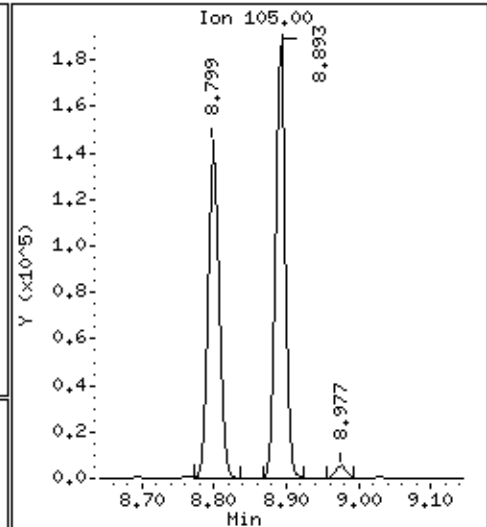
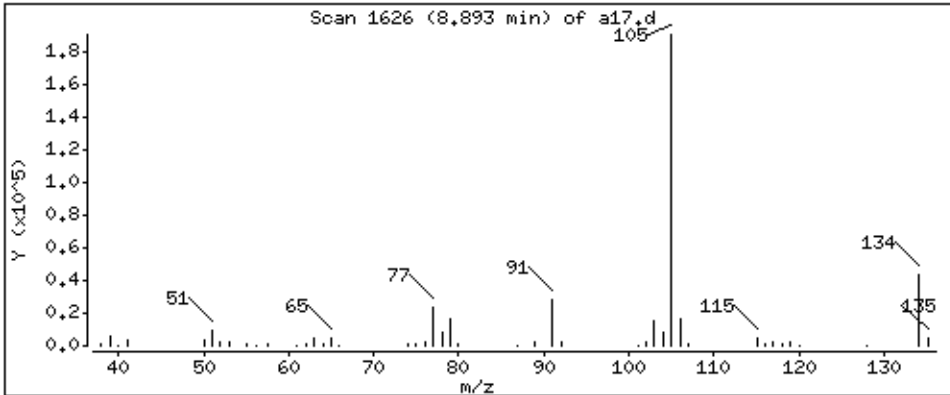
Column phase: DB-624

Column diameter: 0,18

82 sec-Butylbenzene

Concentration: 42.9 ppb

Review Code:



Date : 02-JUL-2014 18:43

Client ID: THW-5(12-14)MS

Instrument: 50mv3a.i

Sample Info: 1122048,71089;5

Operator: jlz

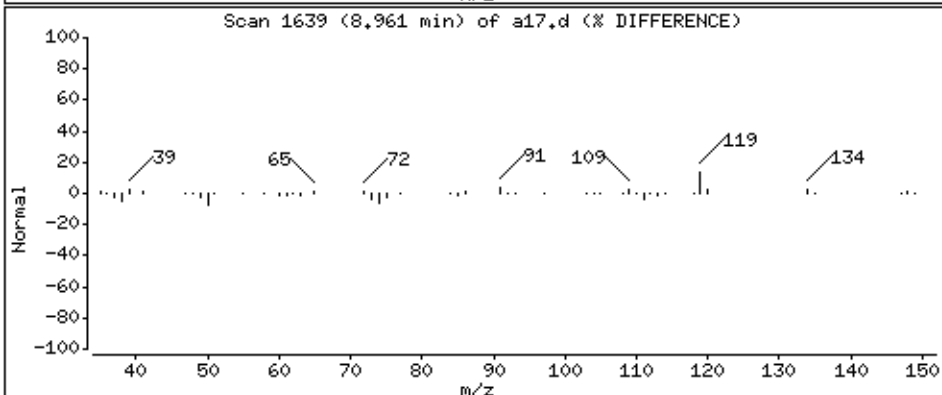
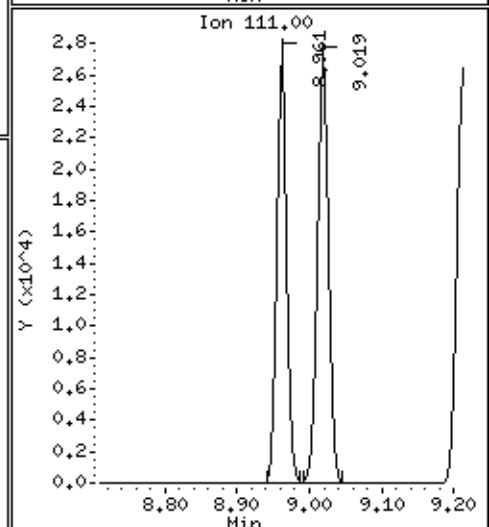
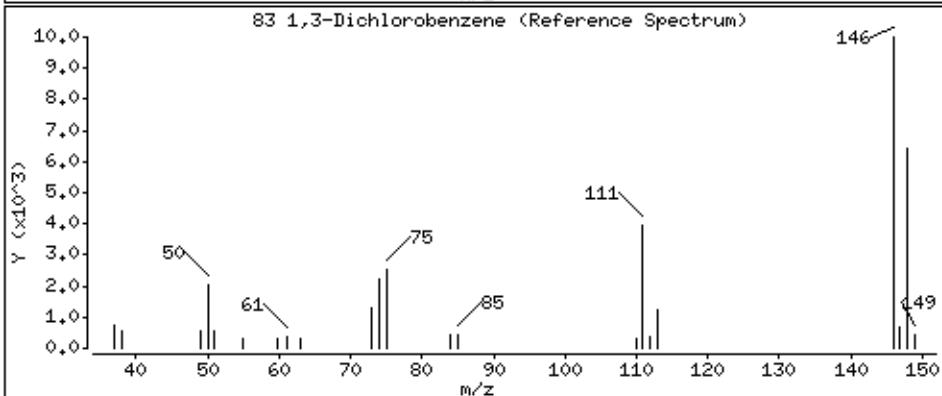
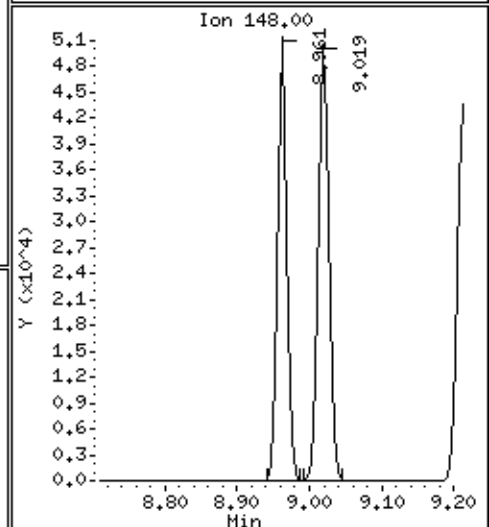
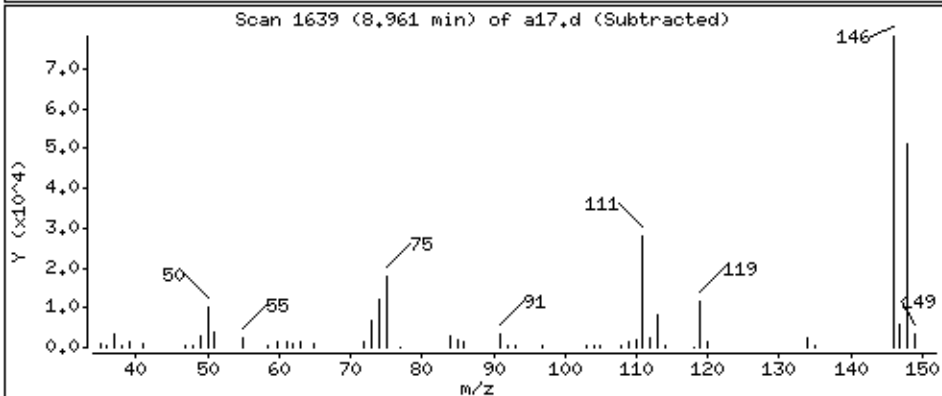
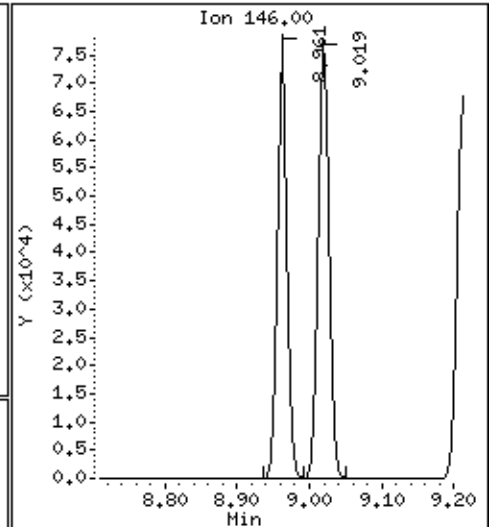
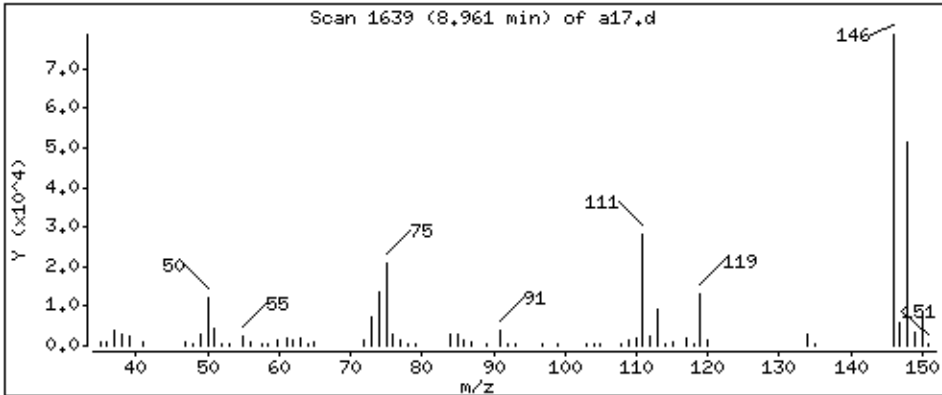
Column phase: DB-624

Column diameter: 0,18

83 1,3-Dichlorobenzene

Concentration: 42.4 ppb

Review Code:



Date : 02-JUL-2014 18:43

Client ID: THW-5(12-14)MS

Instrument: 50mv3a.i

Sample Info: 1122048,71089;5

Operator: jlz

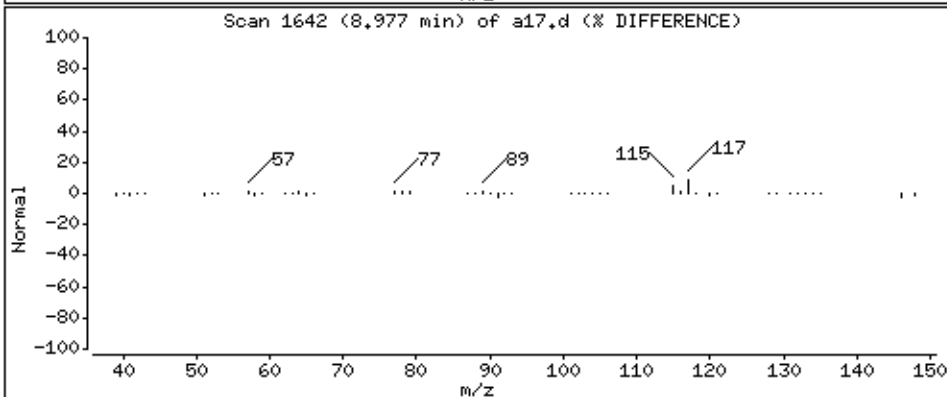
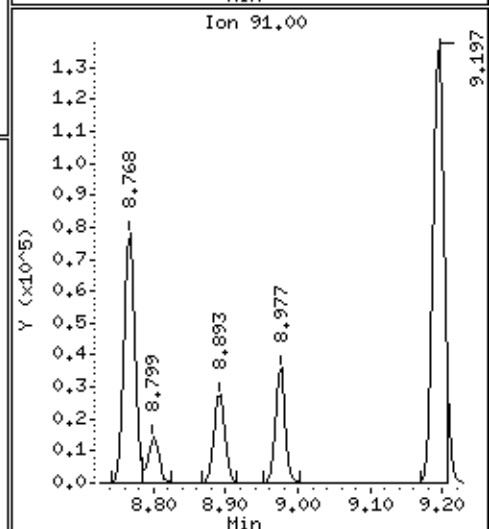
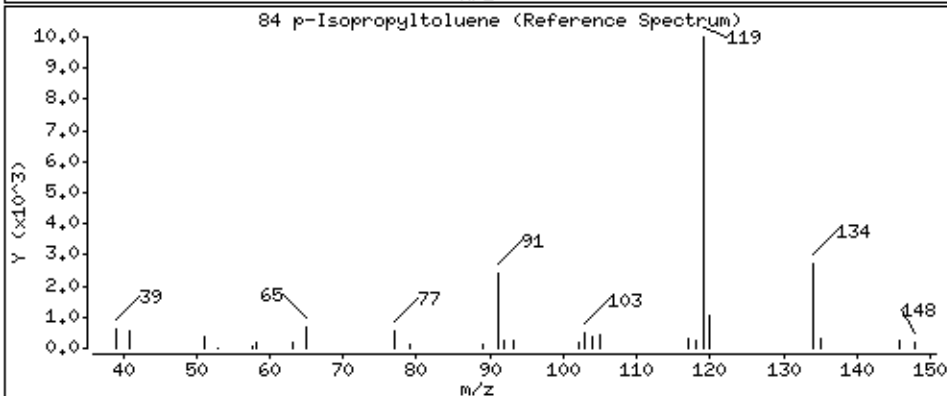
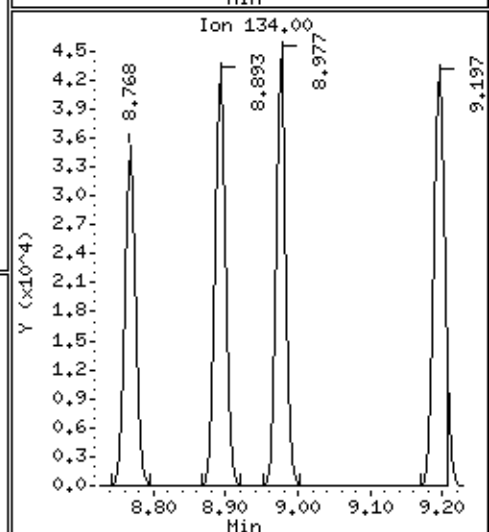
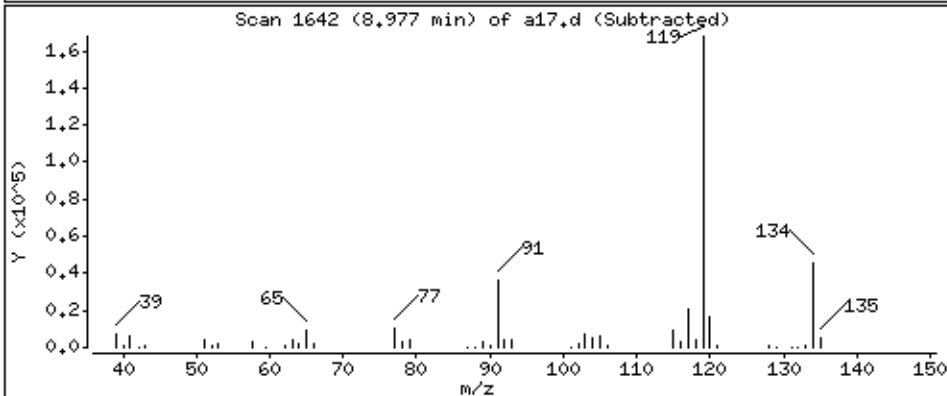
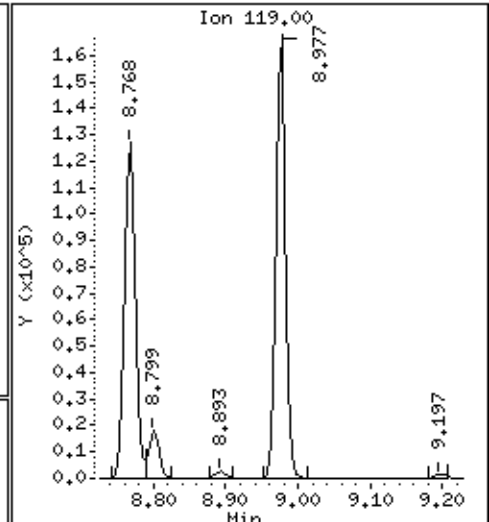
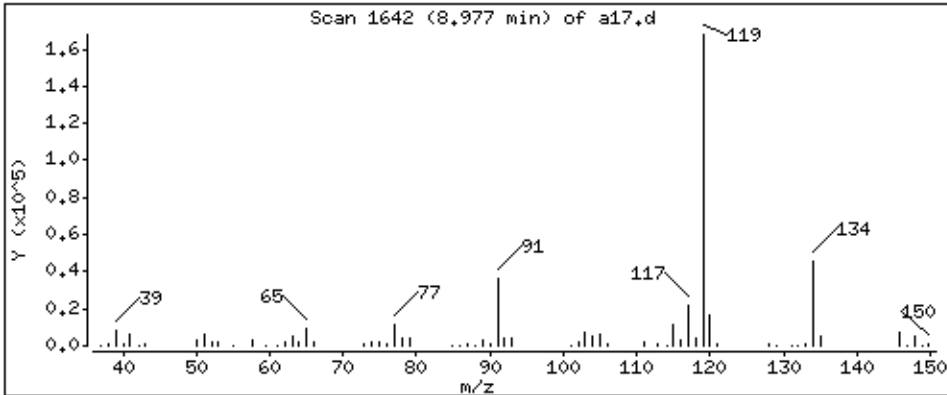
Column phase: DB-624

Column diameter: 0,18

84 p-Isopropyltoluene

Concentration: 42.6 ppb

Review Code:



Date : 02-JUL-2014 18:43

Client ID: THW-5(12-14)MS

Instrument: 50mv3a.i

Sample Info: 1122048,71089;5

Operator: jlz

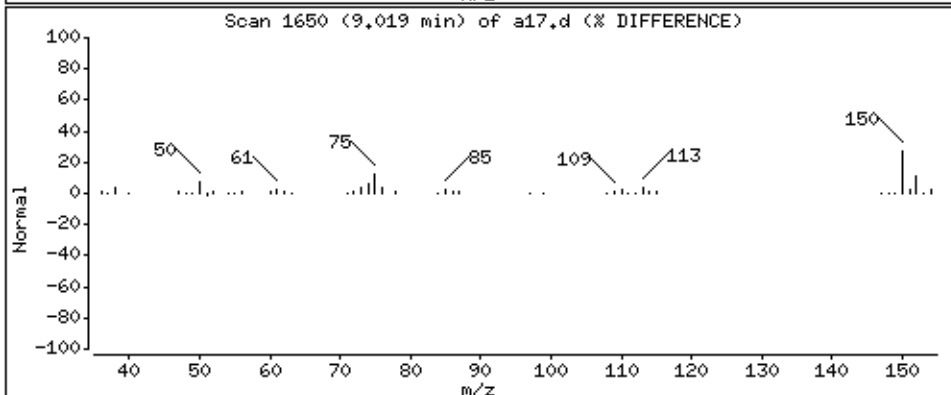
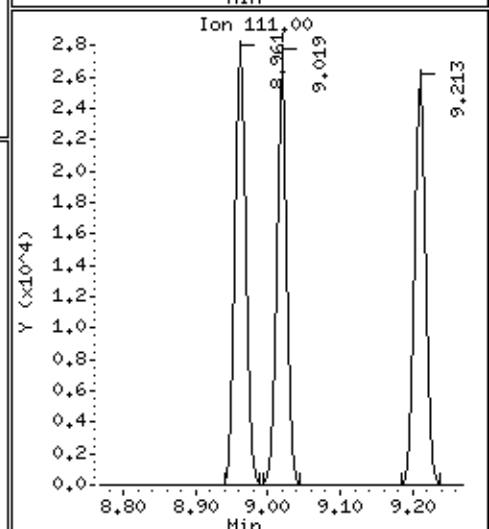
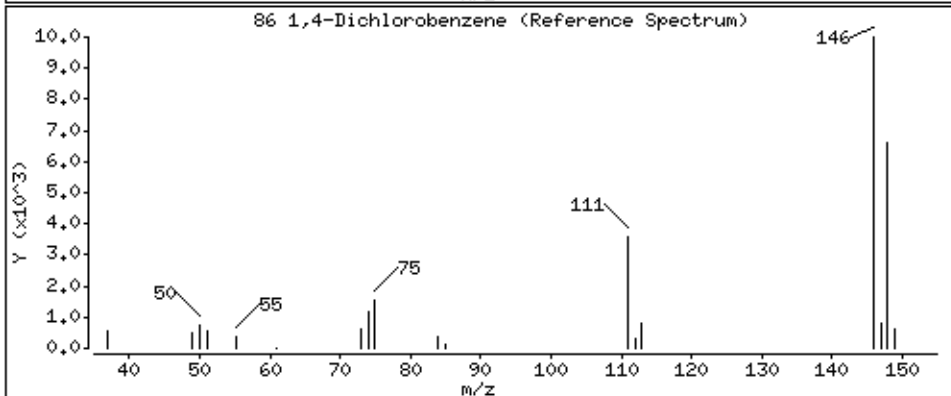
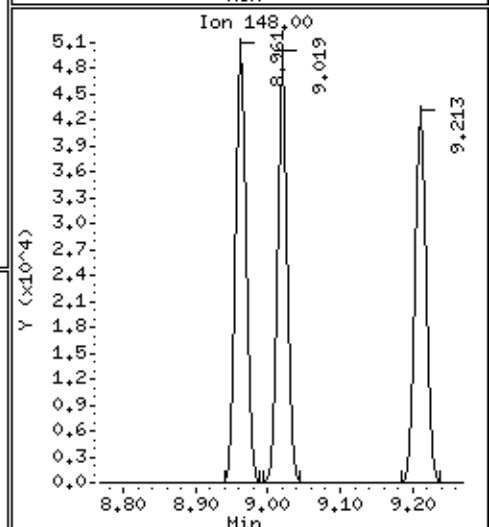
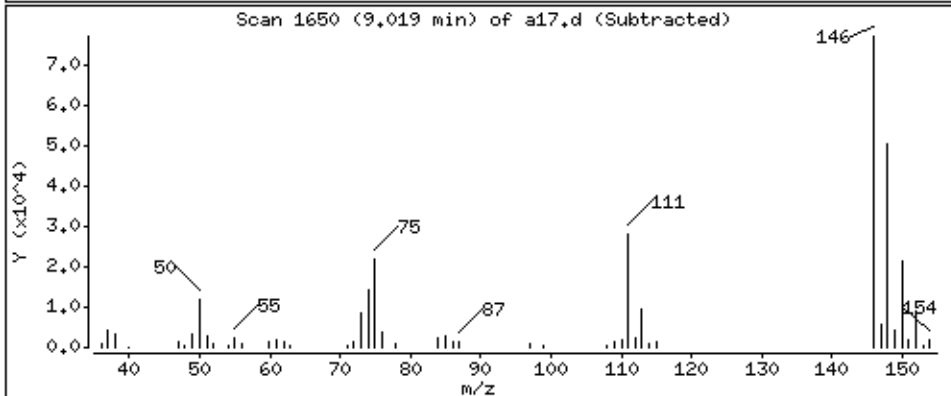
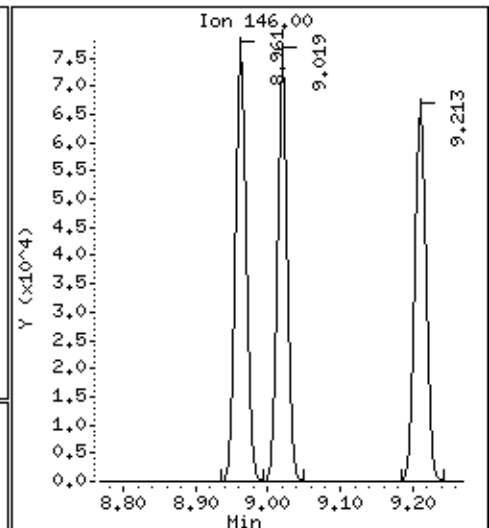
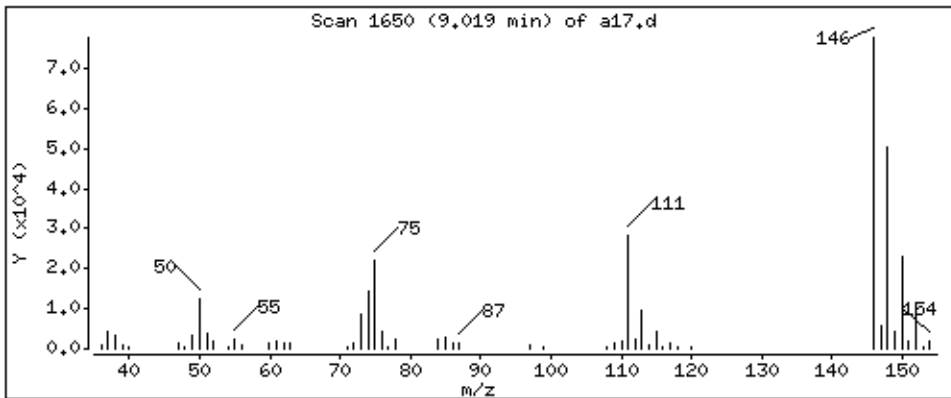
Column phase: DB-624

Column diameter: 0,18

86 1,4-Dichlorobenzene

Concentration: 43,2 ppb

Review Code:



Date : 02-JUL-2014 18:43

Client ID: THW-5(12-14)HS

Instrument: 50mw3a.i

Sample Info: 1122048,71089;5

Operator: jlz

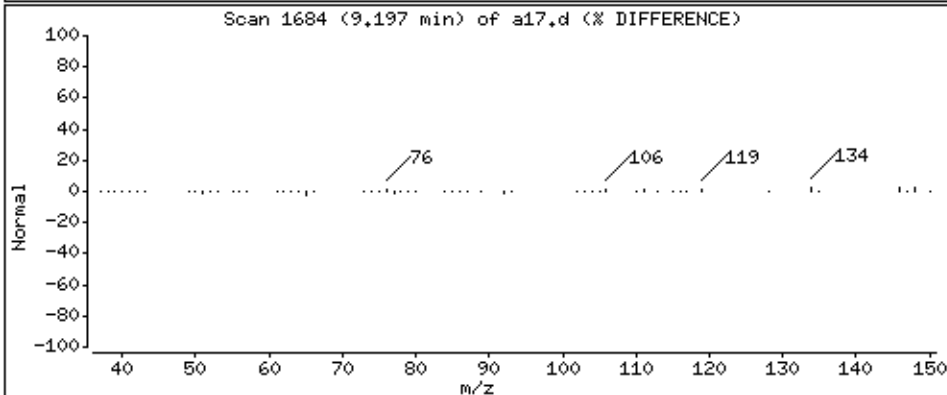
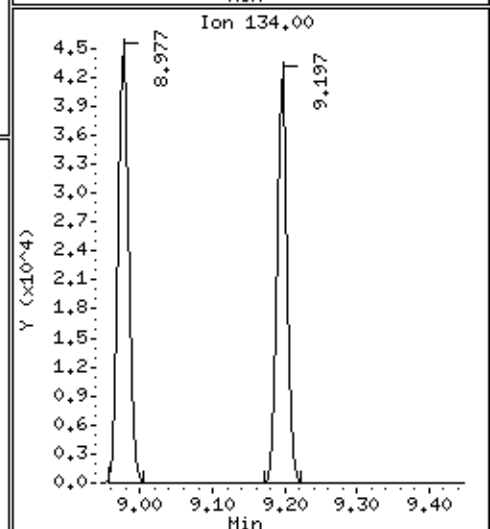
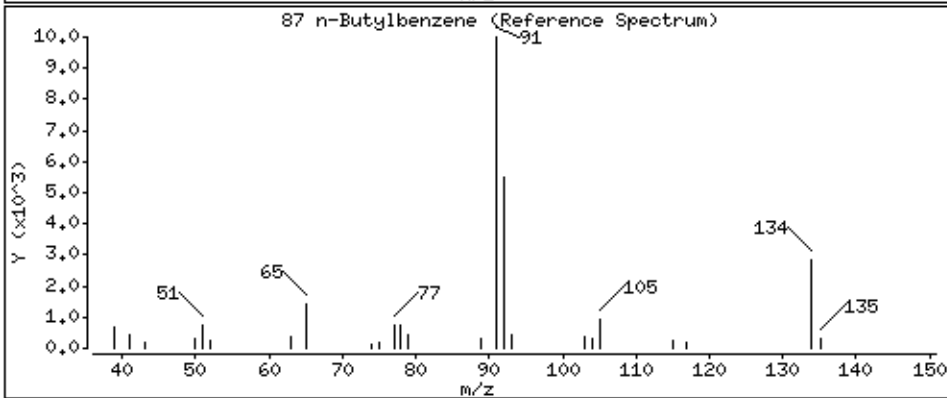
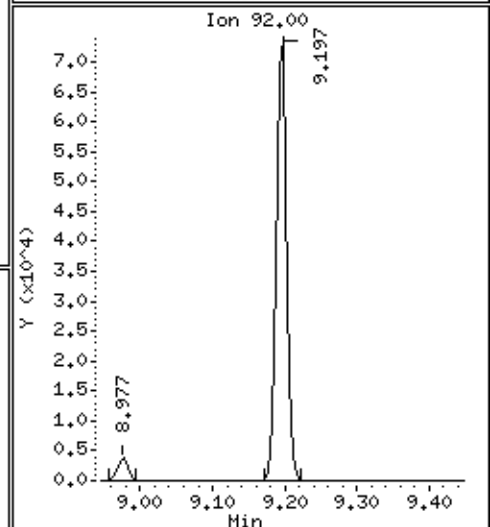
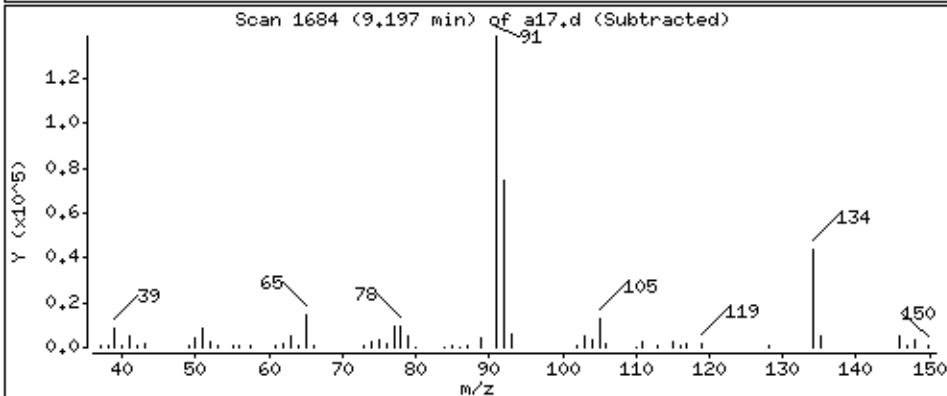
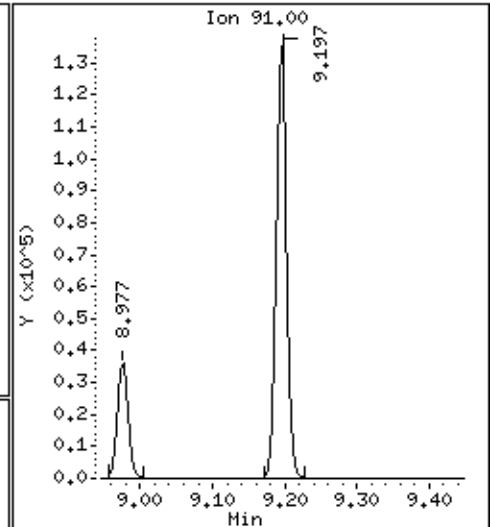
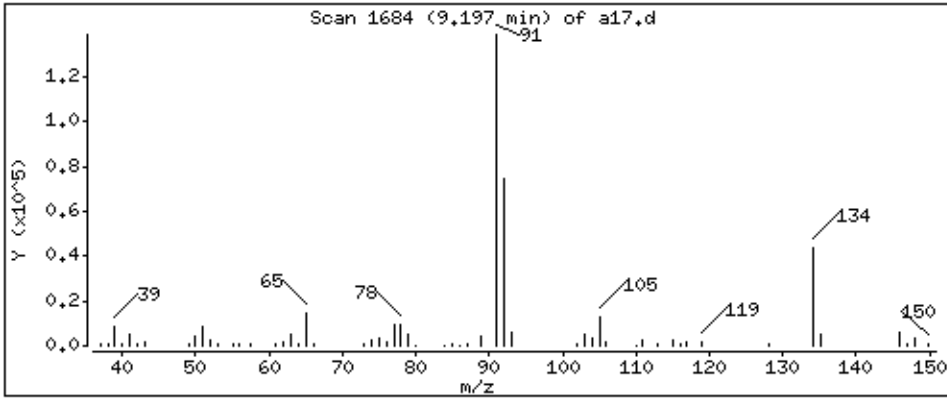
Column phase: DB-624

Column diameter: 0,18

87 n-Butylbenzene

Concentration: 41.6 ppb

Review Code:



Date : 02-JUL-2014 18:43

Client ID: THW-5(12-14)MS

Instrument: 50mv3a.i

Sample Info: 1122048,71089;5

Operator: jlz

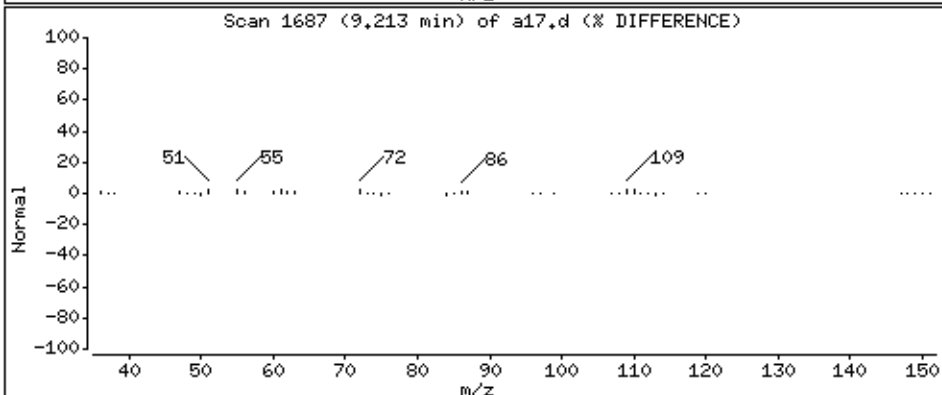
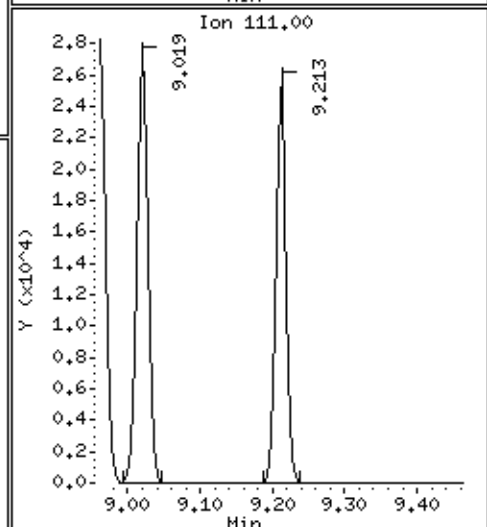
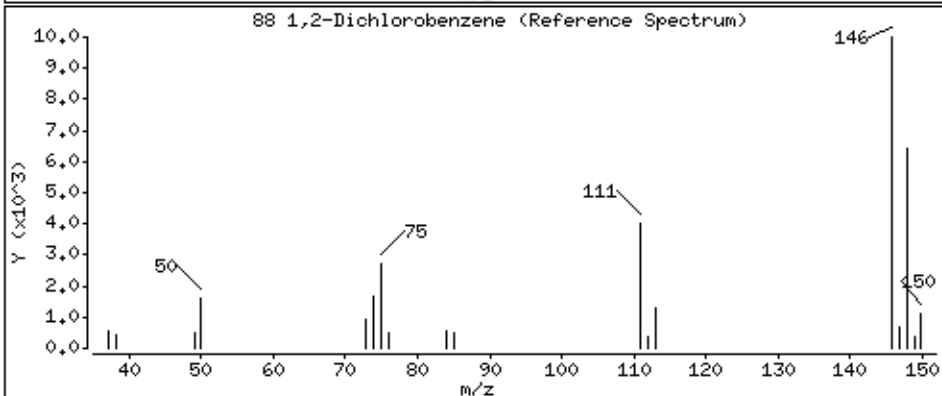
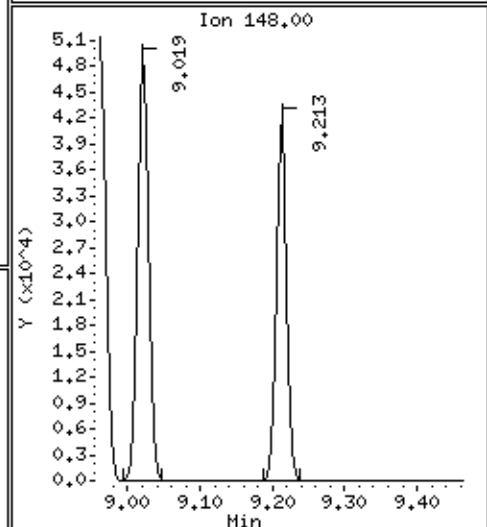
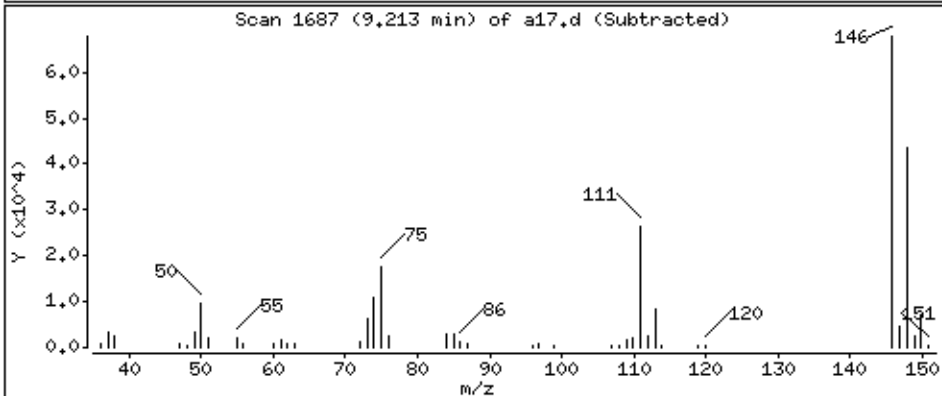
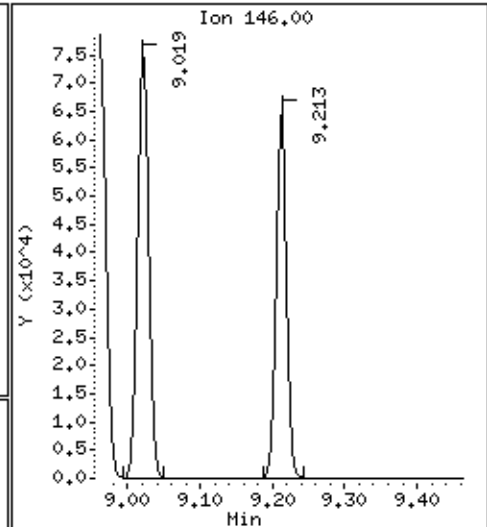
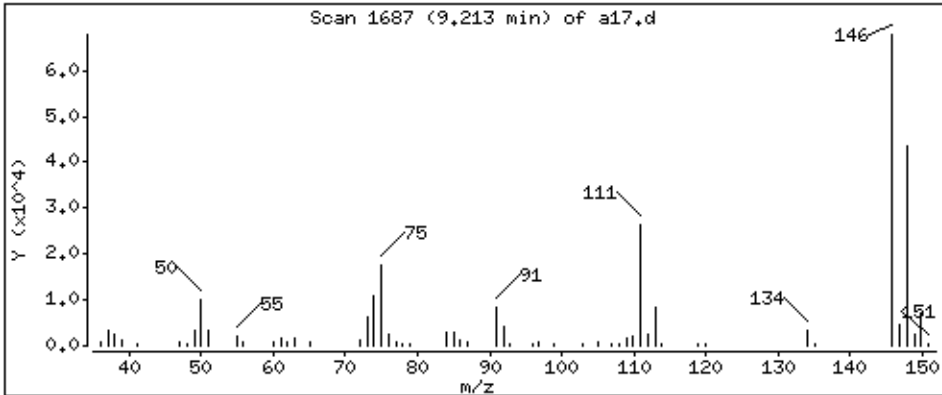
Column phase: DB-624

Column diameter: 0,18

88 1,2-Dichlorobenzene

Concentration: 43,6 ppb

Review Code:



Date : 02-JUL-2014 18:43

Client ID: THW-5(12-14)MS

Instrument: 50mw3a.i

Sample Info: 1122048,71089;5

Operator: jlz

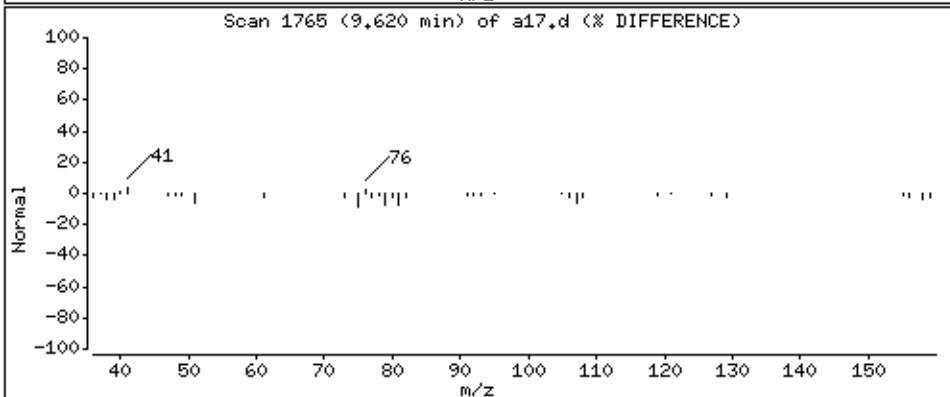
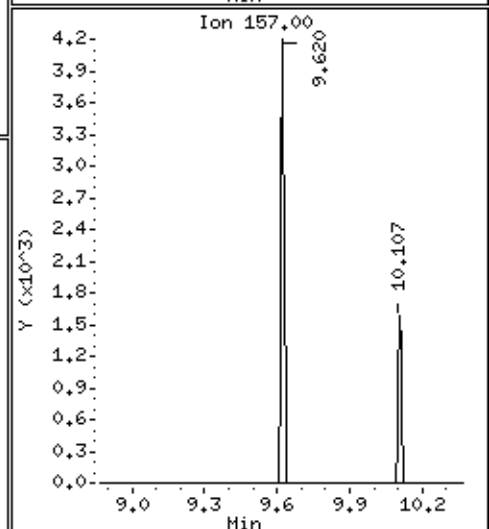
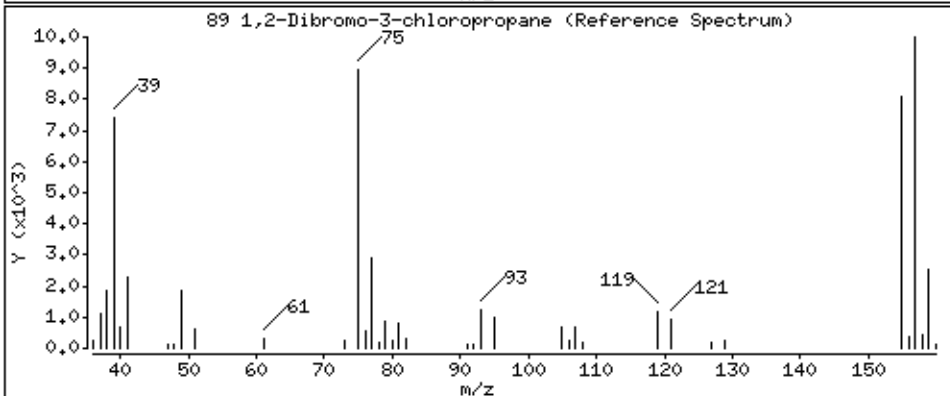
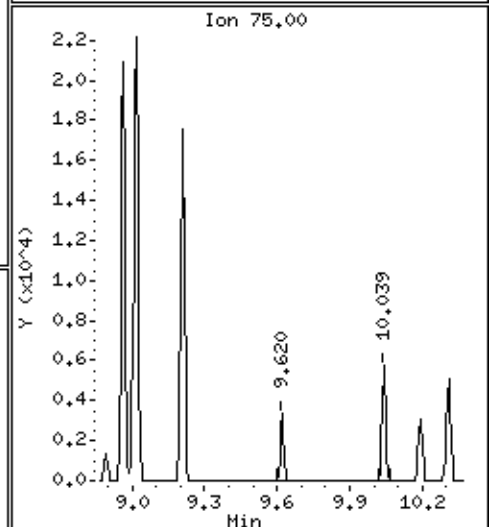
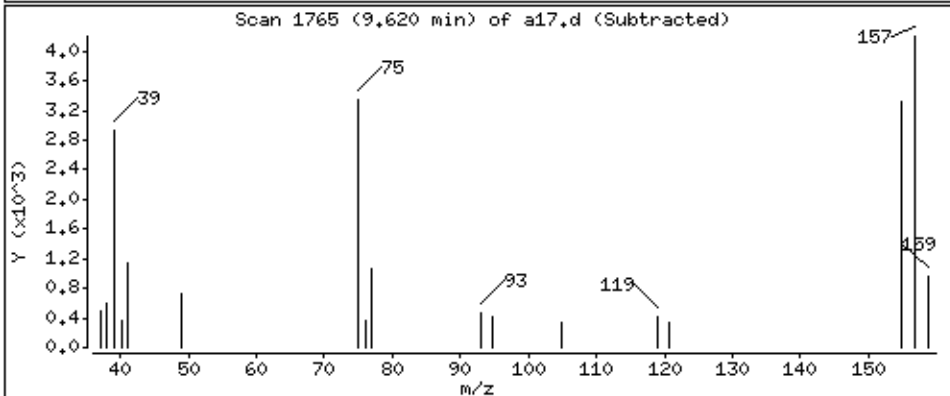
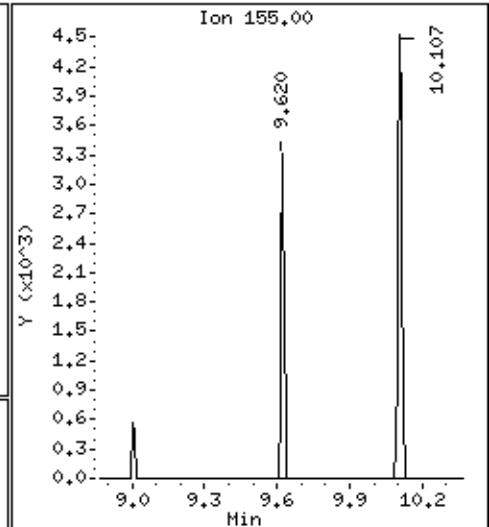
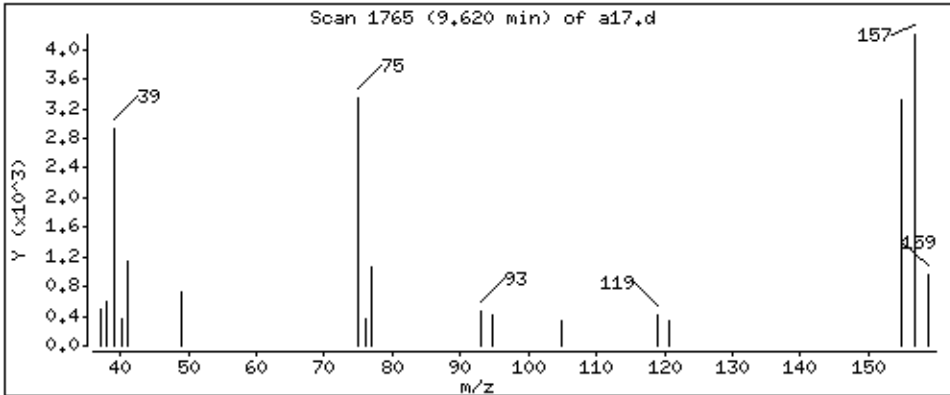
Column phase: DB-624

Column diameter: 0,18

89 1,2-Dibromo-3-chloropropane

Concentration: 30,8 ppb

Review Code:



Date : 02-JUL-2014 18:43

Client ID: THW-5(12-14)MS

Instrument: 50mv3a.i

Sample Info: 1122048,71089;5

Operator: jlz

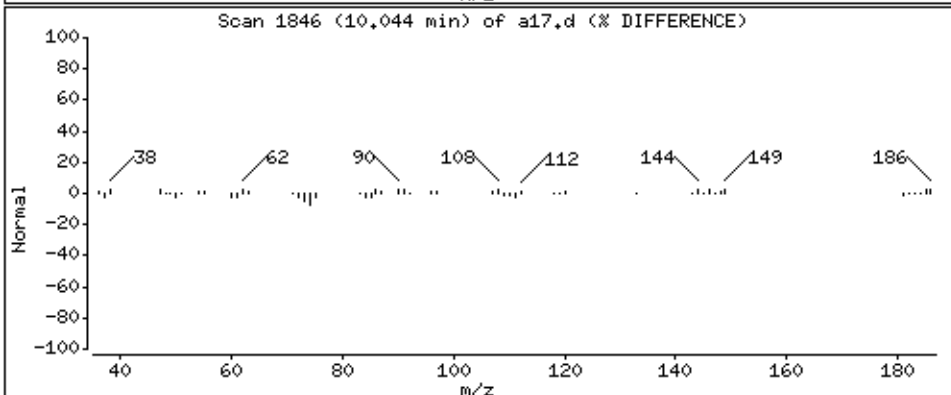
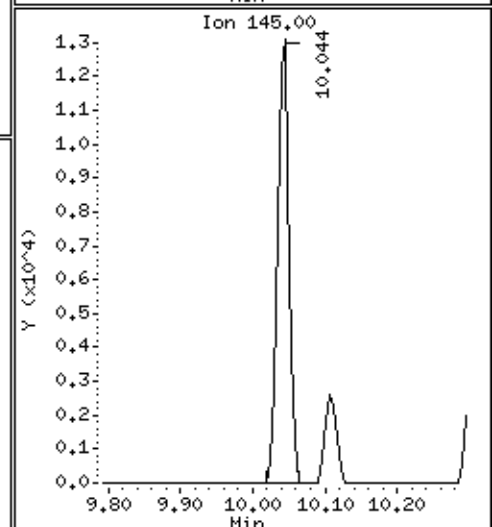
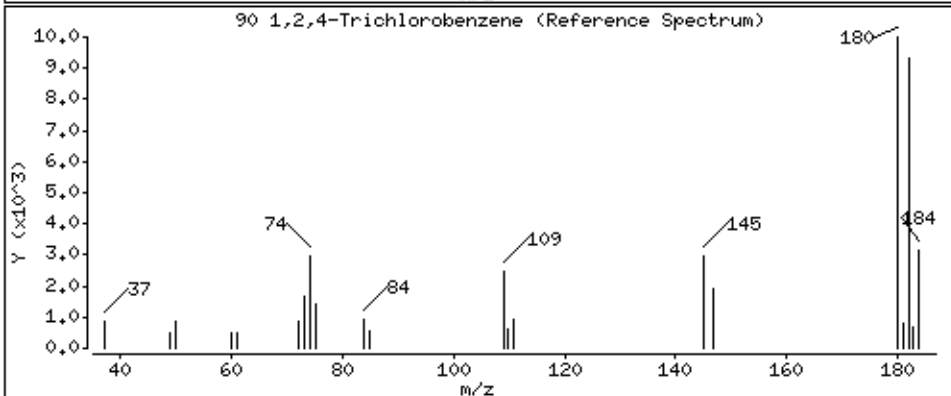
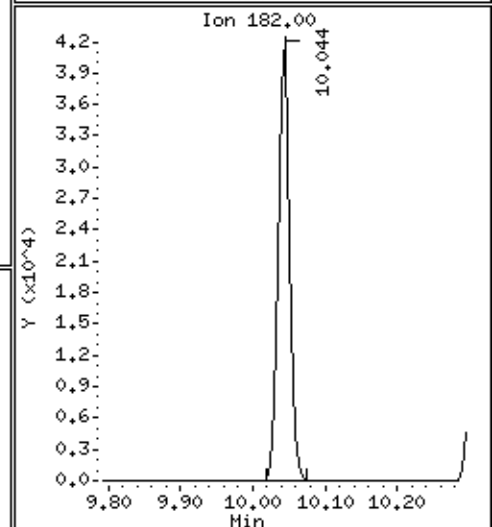
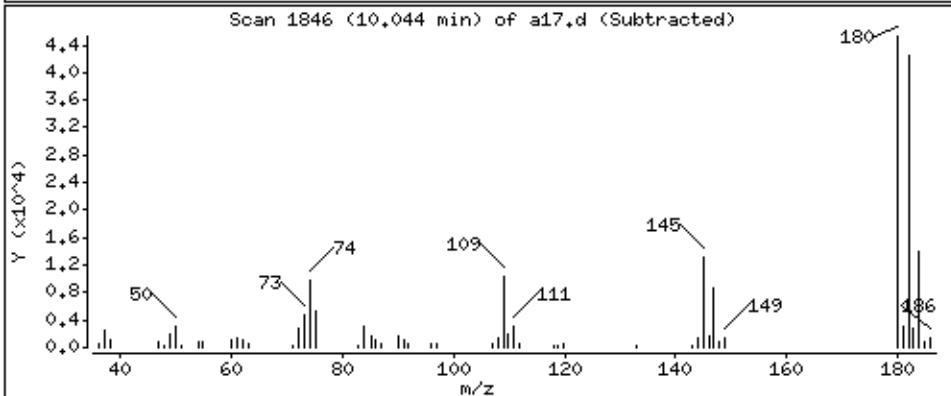
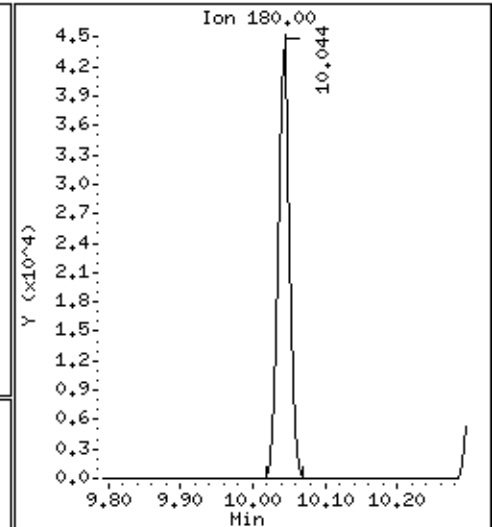
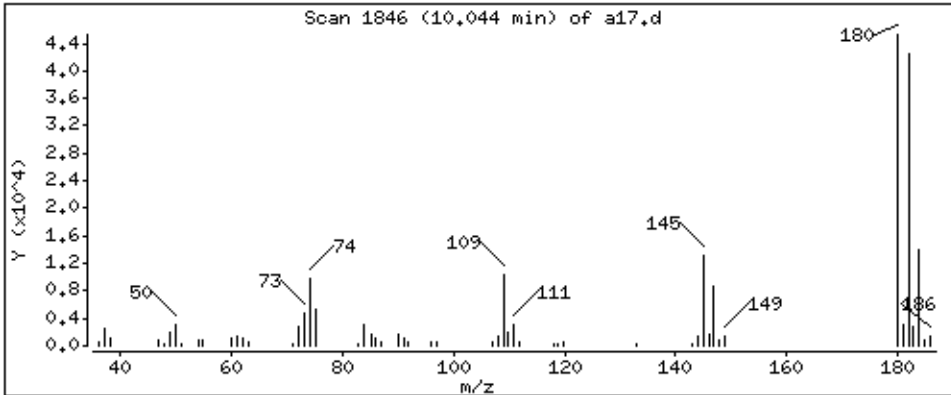
Column phase: DB-624

Column diameter: 0,18

90 1,2,4-Trichlorobenzene

Concentration: 44,9 ppb

Review Code:



Date : 02-JUL-2014 18:43

Client ID: THW-5(12-14)HS

Instrument: 50mv3a.i

Sample Info: 1122048,71089;5

Operator: jlz

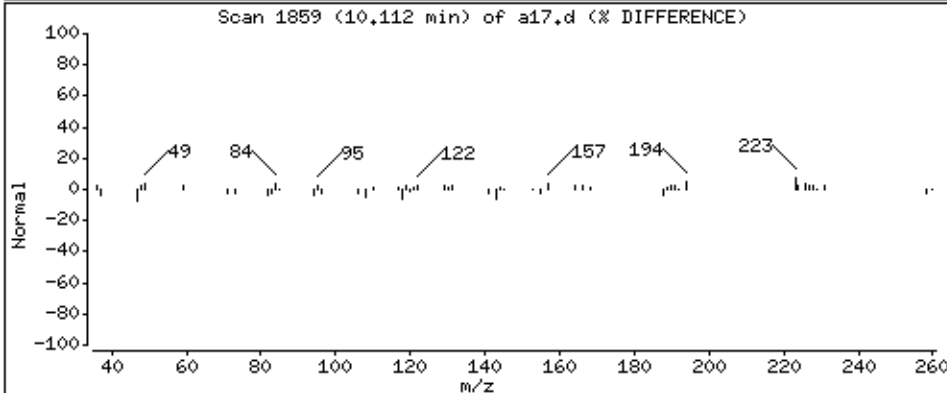
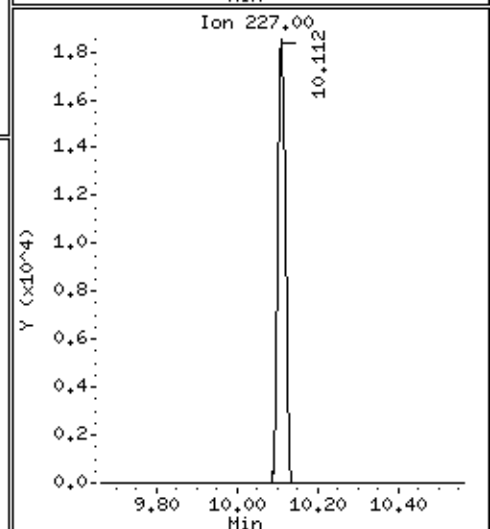
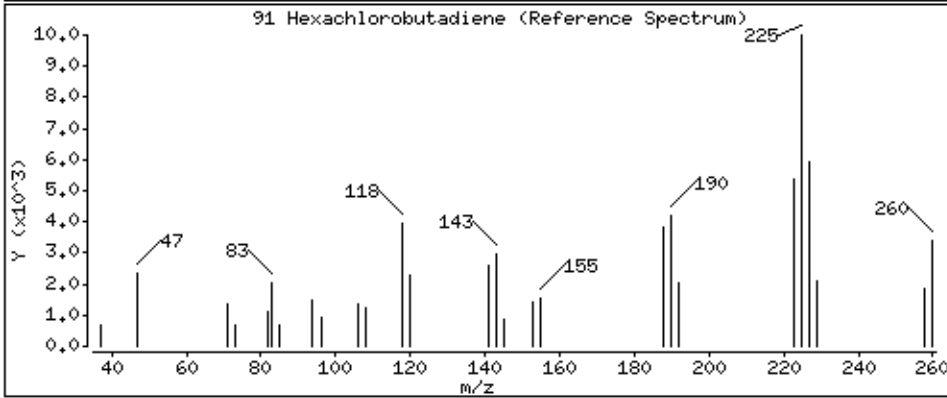
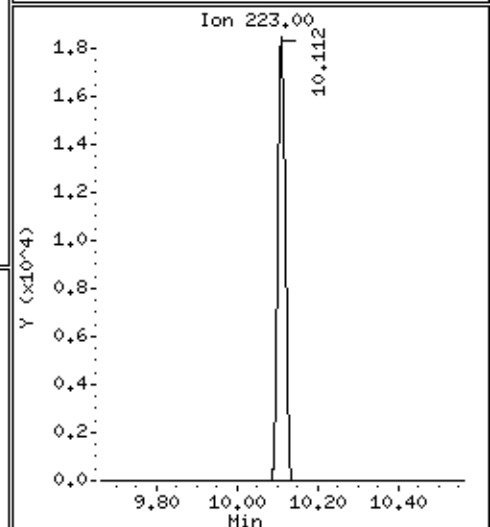
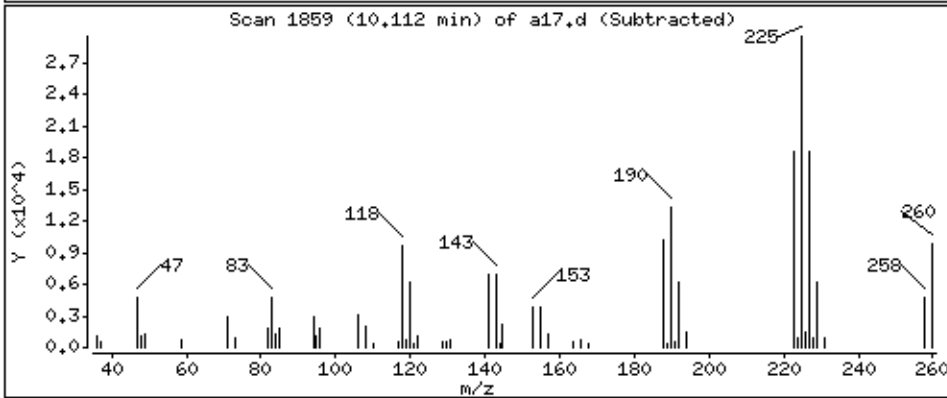
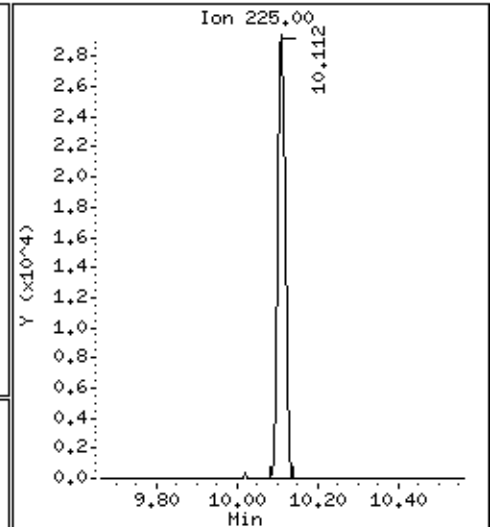
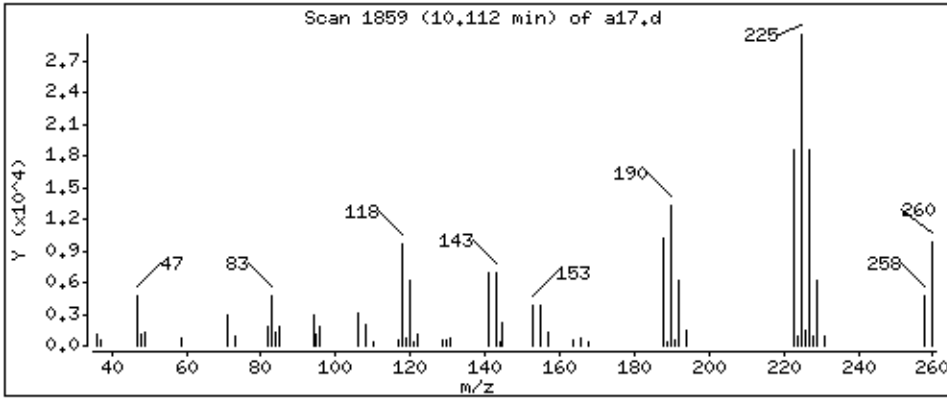
Column phase: DB-624

Column diameter: 0,18

91 Hexachlorobutadiene

Concentration: 46,0 ppb

Review Code:



Date : 02-JUL-2014 18:43

Client ID: THW-5(12-14)MS

Instrument: 50mw3a.i

Sample Info: 1122048,71089;5

Operator: jlz

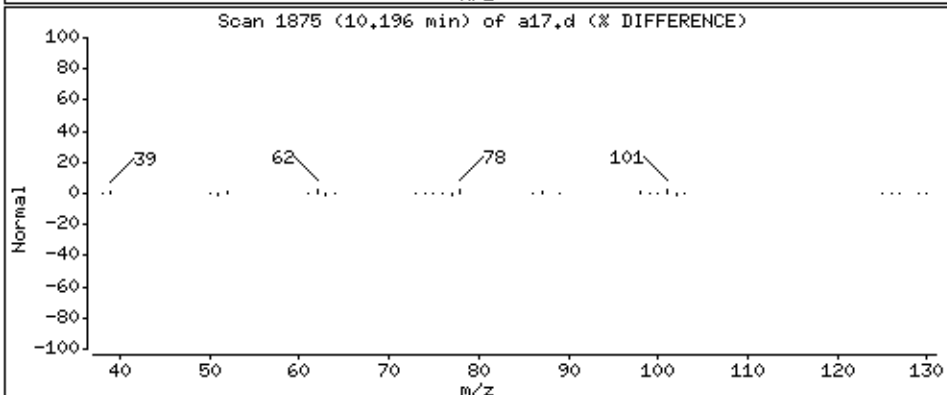
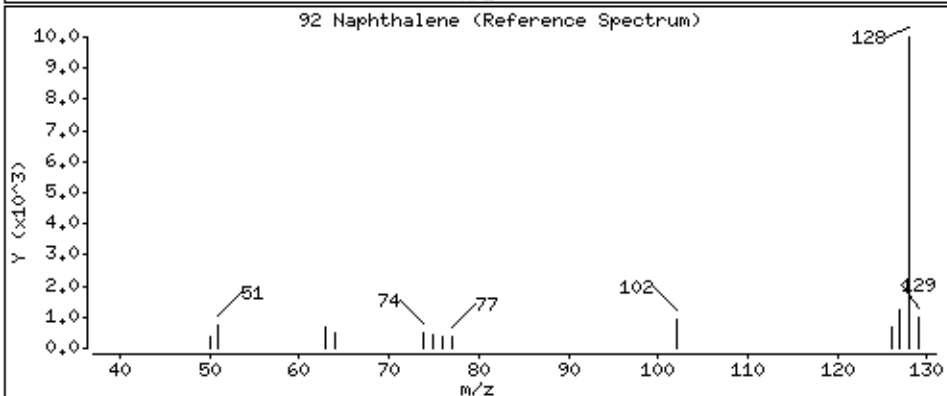
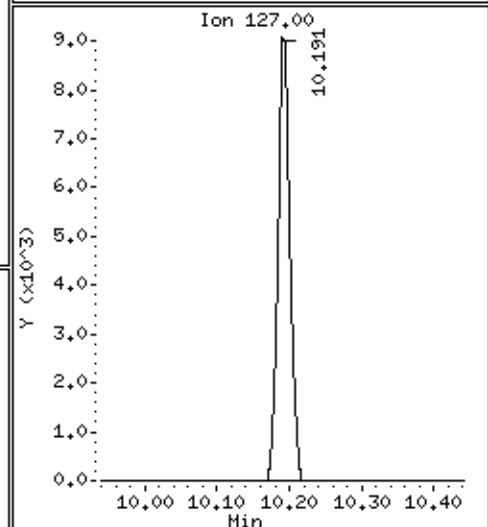
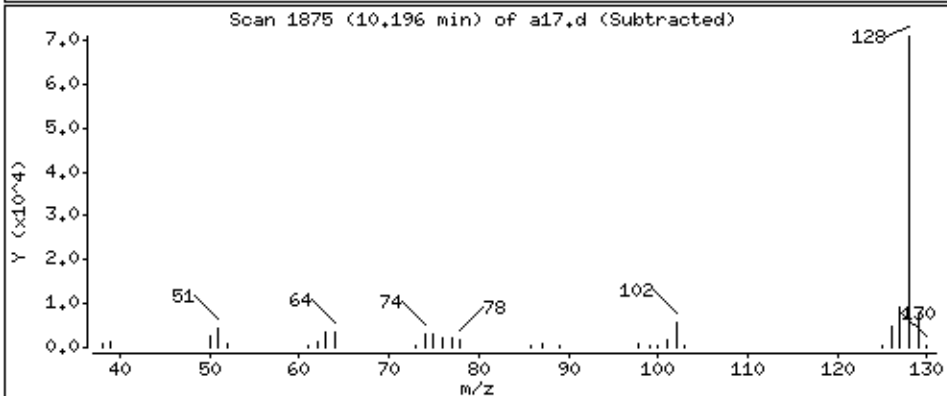
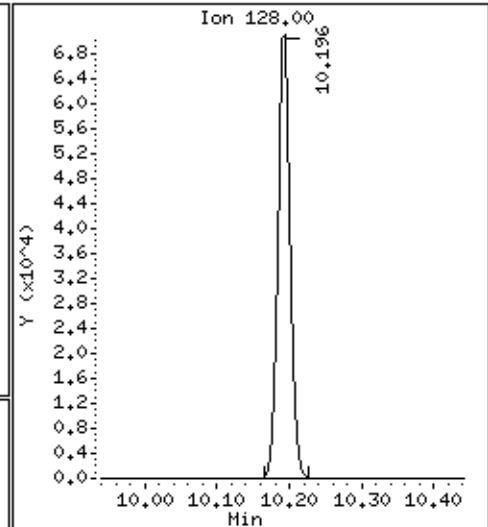
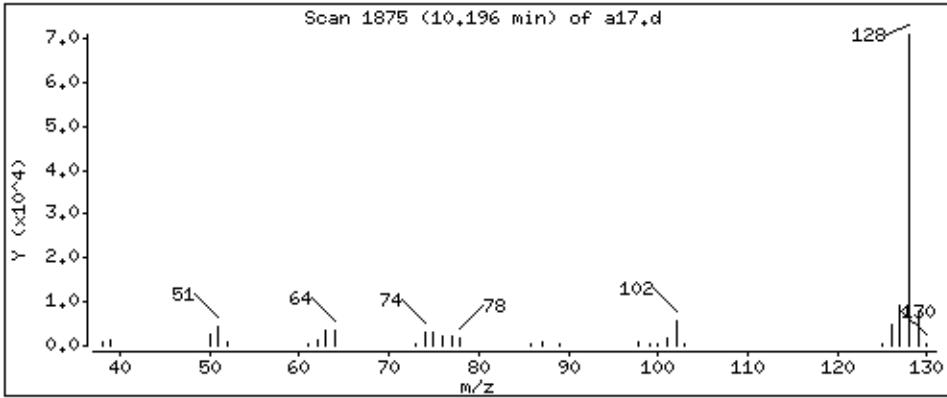
Column phase: DB-624

Column diameter: 0,18

92 Naphthalene

Concentration: 44,5 ppb

Review Code:



Date : 02-JUL-2014 18:43

Client ID: THW-5(12-14)MS

Instrument: 50mv3a.i

Sample Info: 1122048,71089;5

Operator: jlz

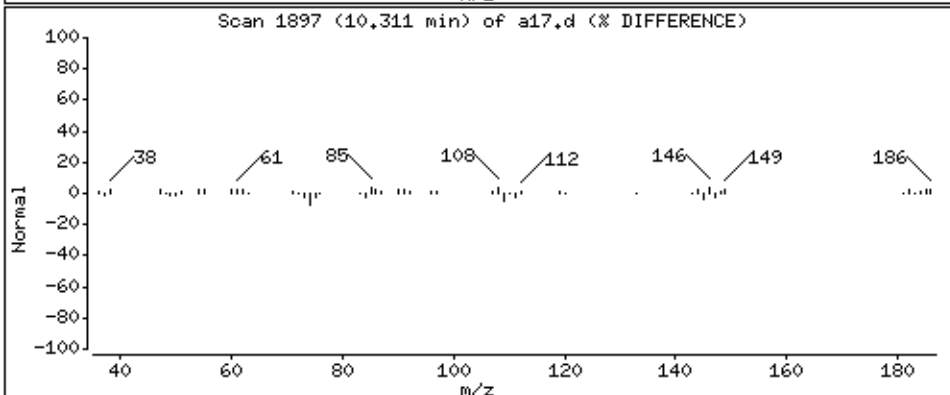
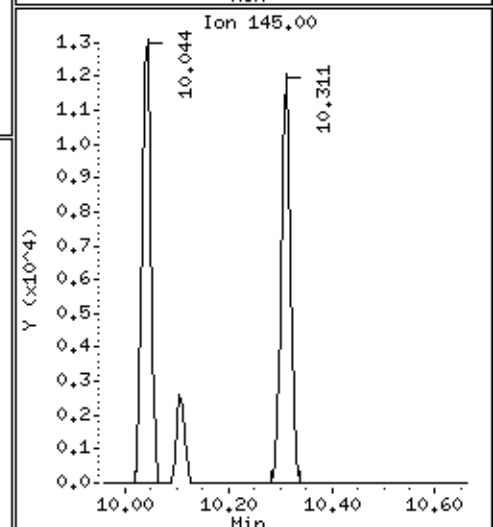
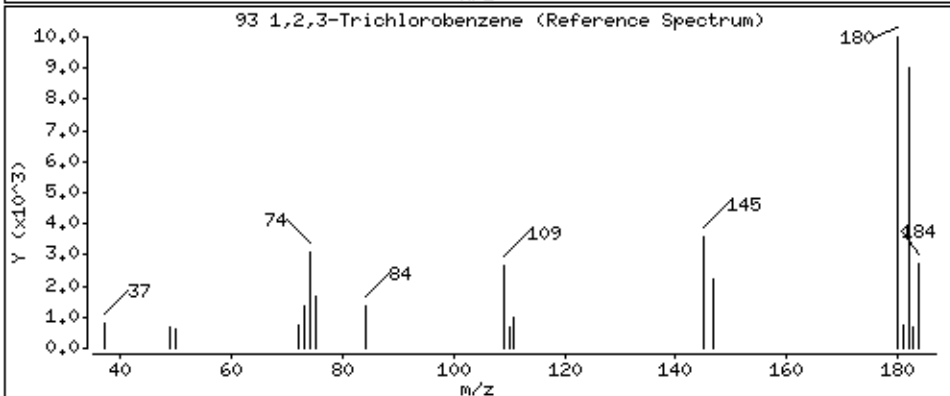
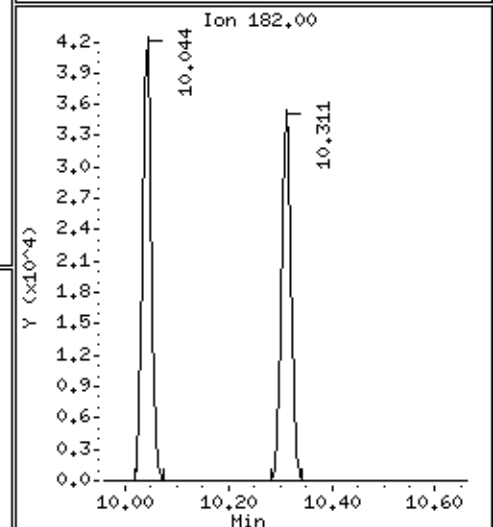
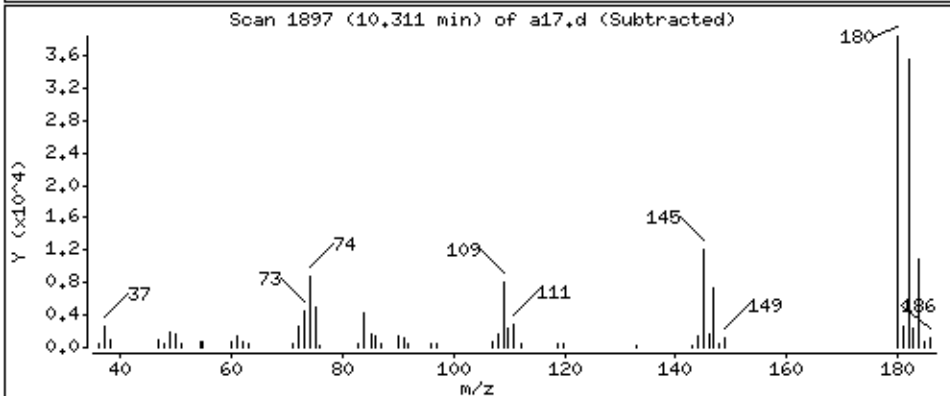
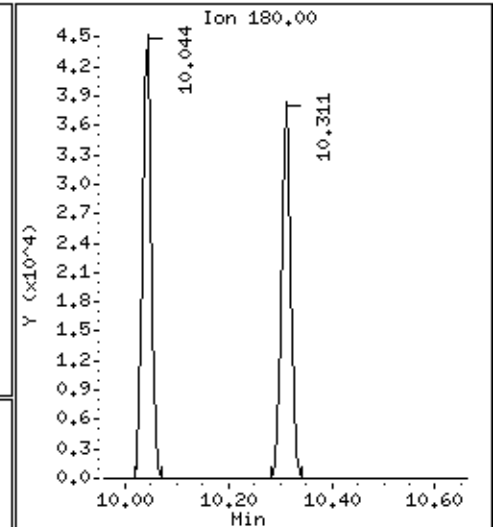
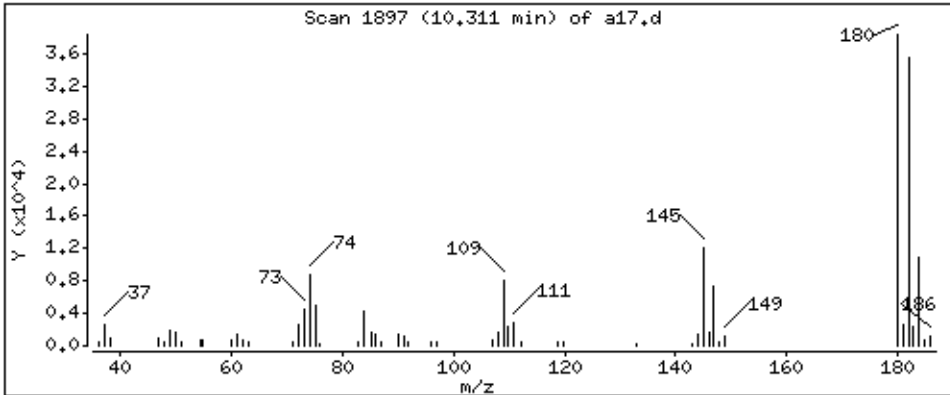
Column phase: DB-624

Column diameter: 0,18

93 1,2,3-Trichlorobenzene

Concentration: 44,8 ppb

Review Code:



Date : 02-JUL-2014 18:43

Client ID: THW-5(12-14)MS

Instrument: 50mv3a.i

Sample Info: 1122048,71089;5

Operator: jlz

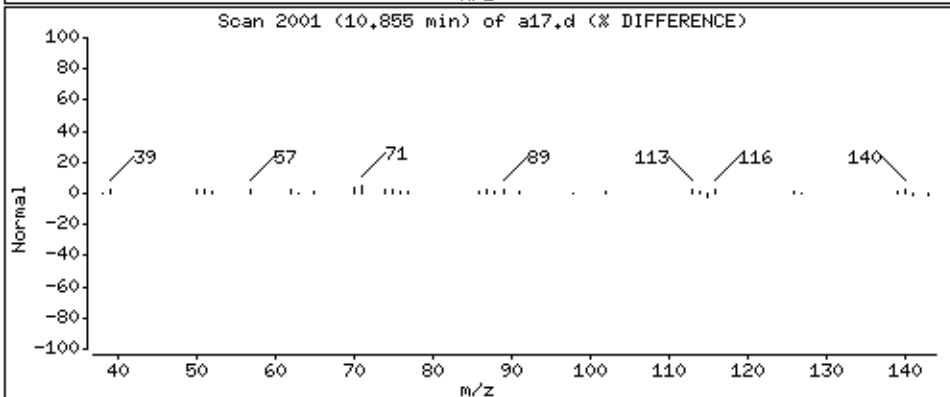
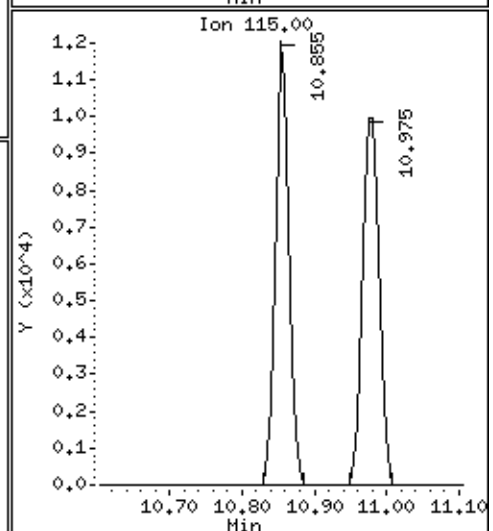
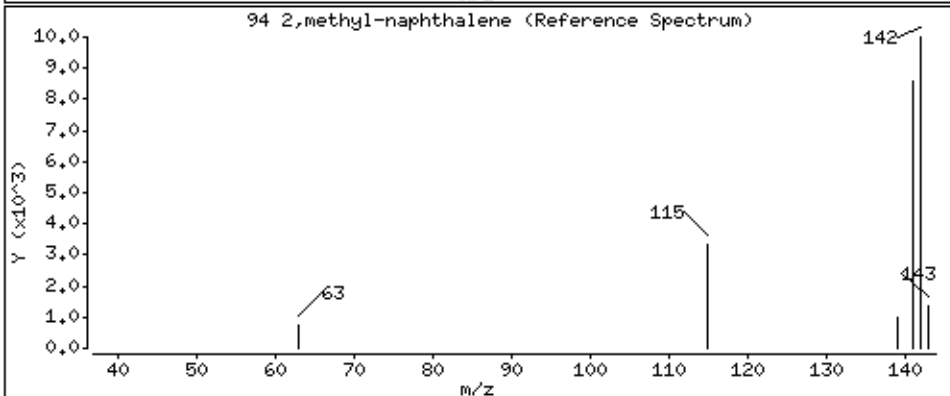
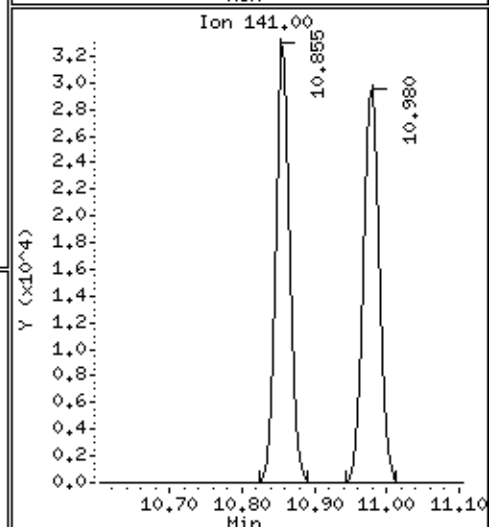
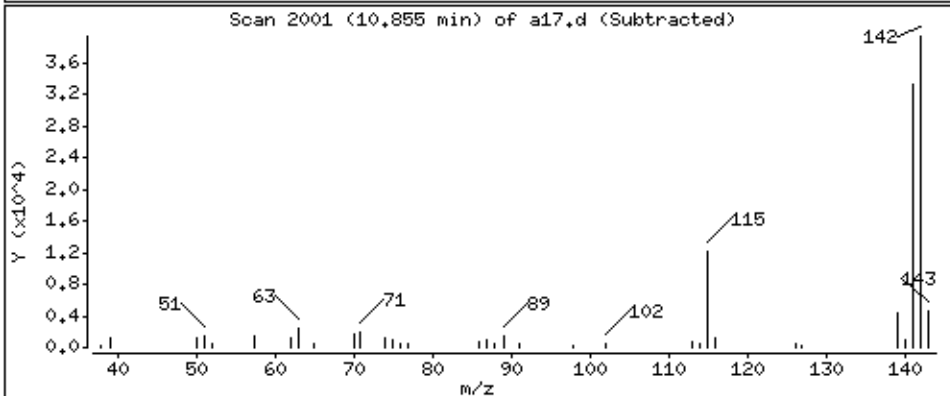
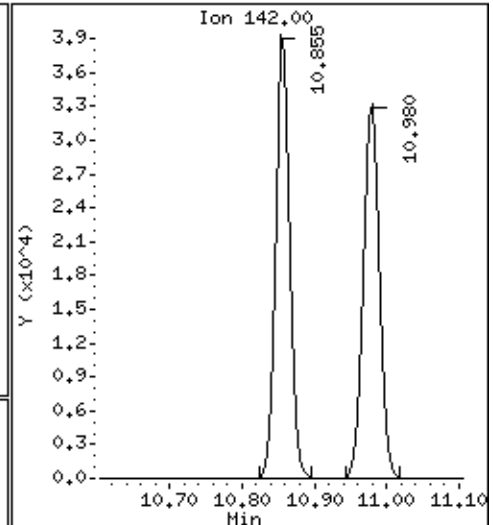
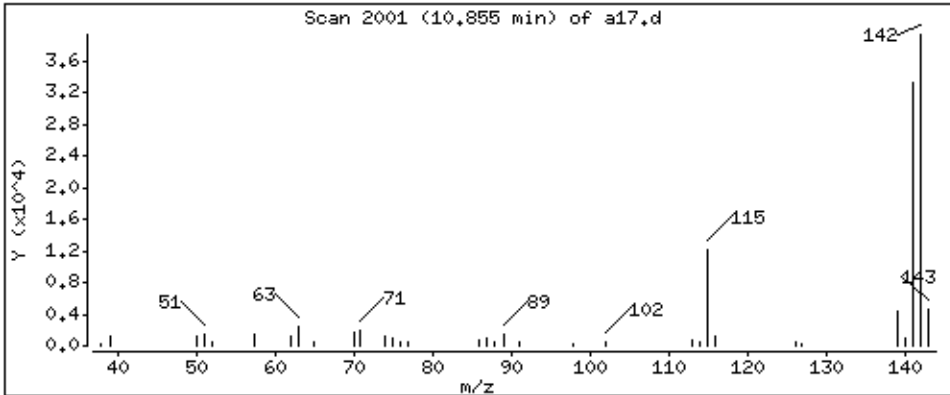
Column phase: DB-624

Column diameter: 0,18

94 2,methyl-naphthalene

Concentration: 44,4 ppb

Review Code:



Date : 02-JUL-2014 18:43

Client ID: THW-5(12-14)MS

Instrument: 50mv3a.i

Sample Info: 1122048,71089;5

Operator: jlz

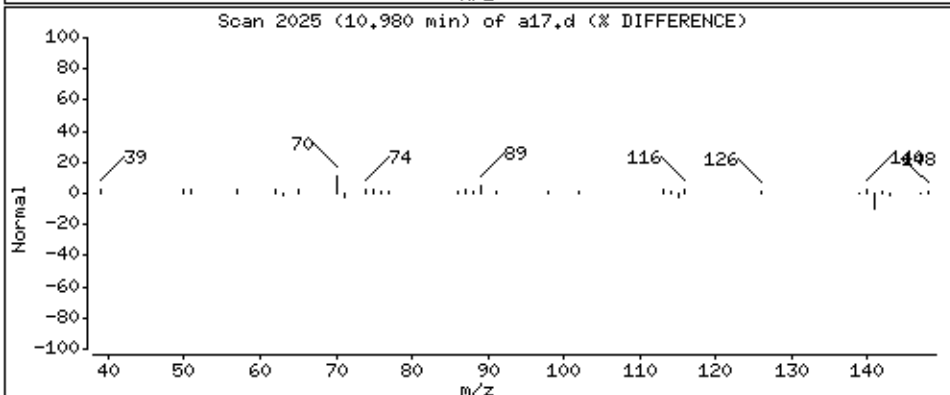
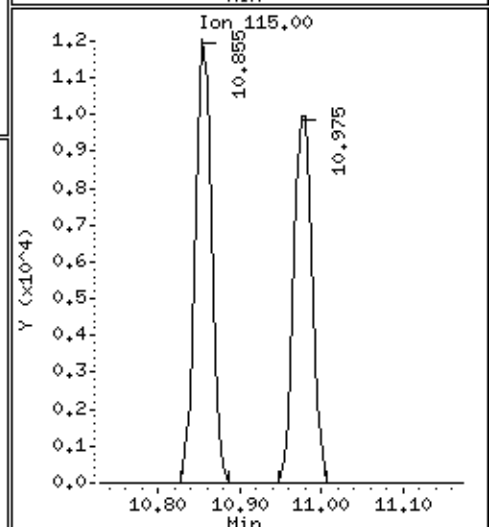
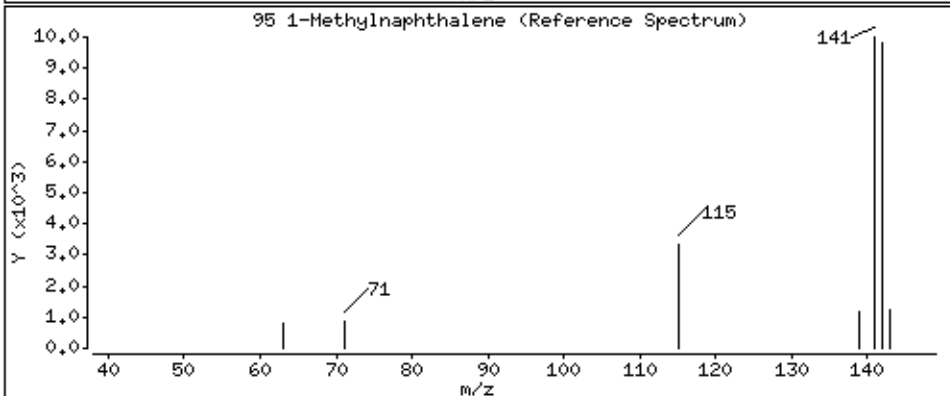
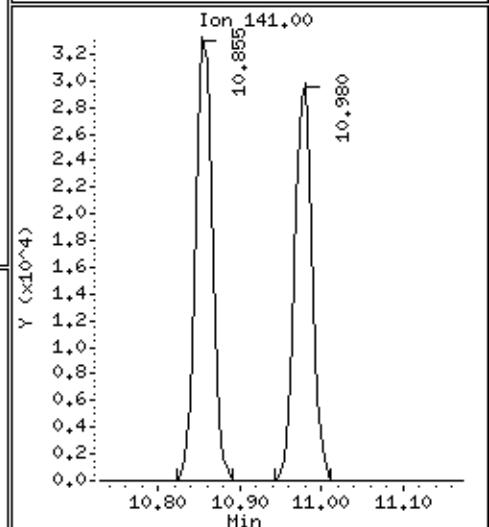
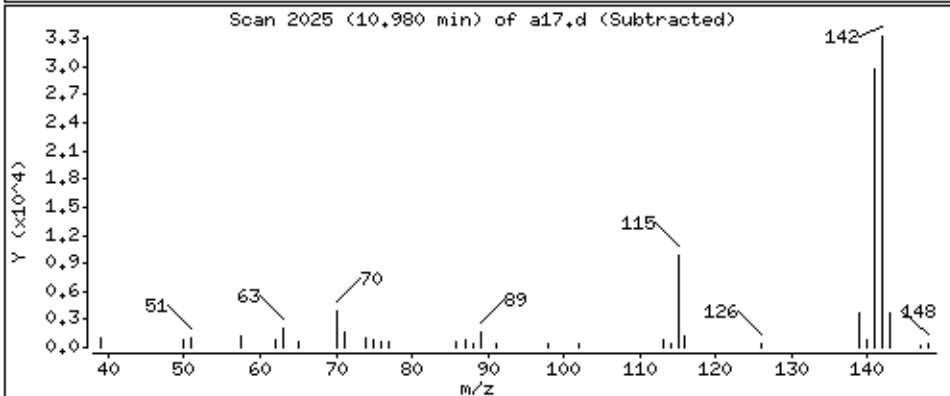
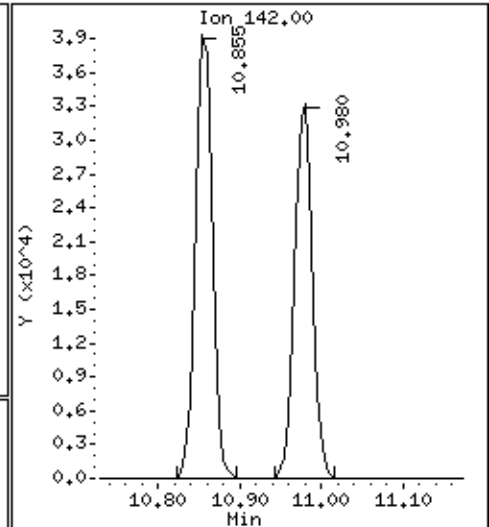
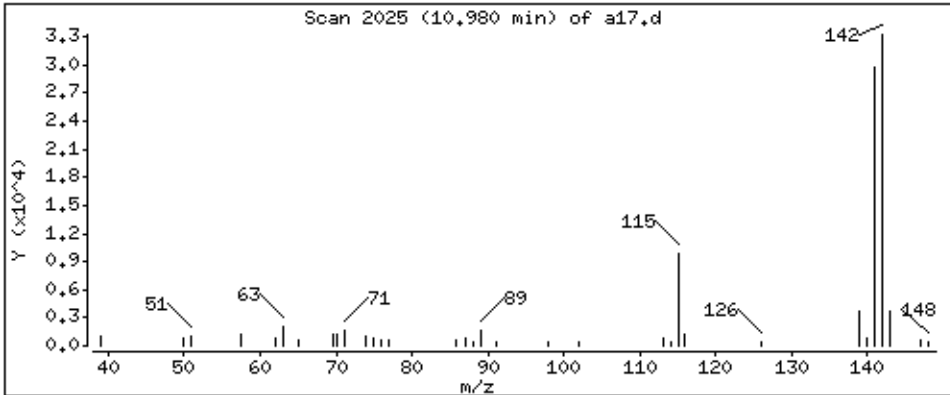
Column phase: DB-624

Column diameter: 0,18

95 1-Methylnaphthalene

Concentration: 46,2 ppb

Review Code:



Data File: \\192.168.50.6\chem\50mv3a.i\a070214.b/a17.d
Injection Date: 02-JUL-2014 18:43
Instrument: 50mv3a.i
Lab Sample ID: 1122048
NO SIGNAL MANUAL INTEGRATIONS DONE FOR THIS DATA FILE

MSV - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

MSD

Lab Name: Pace Analytical - Indiana
Date Received: 06/21/2014 10:54
Date Extracted: 07/02/2014 19:16
Date Analyzed: 07/02/2014 19:16
Initial wt/vol: 5.092 g Final wt/vol: 5 mL Dilution: 1

Contract: Sibley-Accucast/2339-356-03-00
Matrix: Solid SDG No.: 5099688
Lab Sample ID: 1122049
Lab File ID: A070214.BA18.D
Instrument: 50MV3A Percent Moisture: 4.7%

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
67-64-1	Acetone	385	
107-02-8	Acrolein	1410	
107-13-1	Acrylonitrile	905	
71-43-2	Benzene	47.1	
108-86-1	Bromobenzene	41.5	
74-97-5	Bromochloromethane	48.5	
75-27-4	Bromodichloromethane	43.5	
75-25-2	Bromoform	40.7	
74-83-9	Bromomethane	45.0	
78-93-3	2-Butanone (MEK)	265	
104-51-8	n-Butylbenzene	38.1	
135-98-8	sec-Butylbenzene	40.5	
98-06-6	tert-Butylbenzene	34.2	
75-15-0	Carbon disulfide	95.9	
56-23-5	Carbon tetrachloride	41.8	
108-90-7	Chlorobenzene	41.7	
75-00-3	Chloroethane	56.4	
67-66-3	Chloroform	42.6	
74-87-3	Chloromethane	51.7	
95-49-8	2-Chlorotoluene	39.8	
106-43-4	4-Chlorotoluene	41.3	
124-48-1	Dibromochloromethane	39.1	
106-93-4	1,2-Dibromoethane (EDB)	45.3	
74-95-3	Dibromomethane	42.9	
95-50-1	1,2-Dichlorobenzene	40.6	
541-73-1	1,3-Dichlorobenzene	39.7	
106-46-7	1,4-Dichlorobenzene	39.6	
110-57-6	trans-1,4-Dichloro-2-butene	151	
75-71-8	Dichlorodifluoromethane	36.8	
75-34-3	1,1-Dichloroethane	44.1	
107-06-2	1,2-Dichloroethane	41.1	
75-35-4	1,1-Dichloroethene	45.7	
156-59-2	cis-1,2-Dichloroethene	42.9	
156-60-5	trans-1,2-Dichloroethene	43.3	
78-87-5	1,2-Dichloropropane	46.1	
142-28-9	1,3-Dichloropropane	40.8	
594-20-7	2,2-Dichloropropane	46.7	

07/21/2014 10:54

MSV - FORM I VOA-2
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

MSD

Lab Name: Pace Analytical - Indiana
Date Received: 06/21/2014 10:54
Date Extracted: 07/02/2014 19:16
Date Analyzed: 07/02/2014 19:16
Initial wt/vol: 5.092 g Final wt/vol: 5 mL Dilution: 1

Contract: Sibley-Accucast/2339-356-03-00
Matrix: Solid SDG No.: 5099688
Lab Sample ID: 1122049
Lab File ID: A070214.BVA18.D
Instrument: 50MV3A Percent Moisture: 4.7%

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
563-58-6	1,1-Dichloropropene	43.0	
10061-01-5	cis-1,3-Dichloropropene	39.3	
10061-02-6	trans-1,3-Dichloropropene	40.2	
100-41-4	Ethylbenzene	42.1	
97-63-2	Ethyl methacrylate	157	
87-68-3	Hexachloro-1,3-butadiene	40.9	
110-54-3	n-Hexane	41.7	
591-78-6	2-Hexanone	240	
74-88-4	Iodomethane	103	
98-82-8	Isopropylbenzene (Cumene)	44.3	
99-87-6	p-Isopropyltoluene	39.1	
75-09-2	Methylene Chloride	35.0	
108-10-1	4-Methyl-2-pentanone (MIBK)	216	
1634-04-4	Methyl-tert-butyl ether	88.0	
91-20-3	Naphthalene	40.8	
103-65-1	n-Propylbenzene	40.6	
100-42-5	Styrene	43.3	
630-20-6	1,1,1,2-Tetrachloroethane	46.3	
79-34-5	1,1,2,2-Tetrachloroethane	40.2	
127-18-4	Tetrachloroethene	42.7	
108-88-3	Toluene	40.5	
87-61-6	1,2,3-Trichlorobenzene	40.6	
120-82-1	1,2,4-Trichlorobenzene	39.6	
71-55-6	1,1,1-Trichloroethane	43.8	
79-00-5	1,1,2-Trichloroethane	42.5	
79-01-6	Trichloroethene	43.9	
75-69-4	Trichlorofluoromethane	45.7	
96-18-4	1,2,3-Trichloropropane	38.7	
95-63-6	1,2,4-Trimethylbenzene	40.8	
108-67-8	1,3,5-Trimethylbenzene	40.3	
108-05-4	Vinyl acetate	148	
75-01-4	Vinyl chloride	54.7	
1330-20-7	Xylene (Total)	128	

07/21/2014 10:54

Pace Analytical Services, Inc.

Data file : \\192.168.50.6\chem\50mv3a.i\a070214.b\a18.d
 Lab Smp Id: 1122049 Client Smp ID: TMW-5(12-14)MSD
 Inj Date : 02-JUL-2014 19:16
 Operator : jlz Inst ID: 50mv3a.i
 Smp Info : 1122049,71089:5
 Misc Info : 66411
 Comment :
 Method : \\192.168.50.6\chem\50mv3a.i\a070214.b\ -a8260_a_c.m
 Meth Date : 03-Jul-2014 11:07 50mv3a.i Quant Type: ISTD
 Cal Date : 19-JUN-2014 18:33 Cal File: a08cal.d
 Als bottle: 37 QC Sample: MSD
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: all.sub
 Target Version: 4.14

Concentration Formula: Amt * DF * Uf/(Ws*(100-M)/100)) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Ws	5.000	Weight of sample extracted (g)
M	4.708	% Moisture (not decanted)
Va	0.00000	Volume of aliquot extract added (uL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT	SIG	CONCENTRATIONS				ON-COLUMN (ug/L)	FINAL (ppb)	REVIEW C
			MASS	RT	EXP RT	REL RT			
1 Dichlorodifluoromethane	85		1.020	1.026	(0.229)	29996	35.7519	37.5	
2 Chloromethane	50		1.119	1.126	(0.252)	35837	50.2169	52.7	
3 Vinyl Chloride	62		1.135	1.136	(0.255)	37424	53.1037	55.7	
4 Bromomethane	94		1.292	1.293	(0.290)	13777	43.6742	45.8	
5 Chloroethane	64		1.344	1.345	(0.302)	22083	54.7289	57.4	
6 Trichlorofluoromethane	101		1.464	1.466	(0.329)	49602	44.3872	46.6	
7 Diethyl ether	74		1.595	1.596	(0.358)	13371	47.6353	50.0	
8 1,2-dichlorotrifluoroethane	67		1.616	1.617	(0.363)	36850	45.4519	47.7	
9 Acrolein	56		1.674	1.675	(0.376)	56232	1366.32	1430	
10 1,1,2trichlorotrifluoroethane	101		1.731	1.732	(0.389)	31767	46.5769	48.9	
11 1,1-Dichloroethene	96		1.736	1.738	(0.390)	26177	44.3288	46.5	
12 Acetone	43		1.747	1.748	(0.393)	35311	373.171	392	
13 Iodomethane	142		1.836	1.837	(0.413)	38859	100.009	105	
14 Carbon Disulfide	76		1.883	1.889	(0.423)	160311	93.0931	97.7	
15 Methyl Acetate	43		1.930	1.931	(0.434)	18037	74.0223	77.7 (R)	
16 allyl chloride	41		1.946	1.947	(0.437)	90099	96.5888	101	
17 Methylene Chloride	84		2.034	2.031	(0.457)	27579	33.9356	35.6 (R)	
18 tert-Butyl Alcohol	59		2.076	2.083	(0.467)	2310	104.426	110 (Q)	
19 Acrylonitrile	53		2.176	2.177	(0.489)	103280	878.243	922	
20 Methyl-tert-butyl ether	73		2.202	2.203	(0.495)	116808	85.3888	89.6	
21 1,2-Dichloroethene (trans)	96		2.218	2.219	(0.498)	28679	42.0113	44.1	

Compounds	QUANT	SIG						CONCENTRATIONS		REVIEW C
			MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ug/L)	FINAL (ppb)	
22 n-Hexane	57		2.416	2.418	(0.543)	47533	40.4576	42.4		
23 Vinyl Acetate	43		2.531	2.538	(0.569)	113466	143.432	150		
24 1,1-Dichloroethane	63		2.547	2.548	(0.572)	50003	42.8387	45.0		
25 2-Butanone	43		3.039	3.045	(0.683)	39651	256.699	269		
26 1,2-Dichloroethene (cis)	96		3.060	3.061	(0.687)	28886	41.6627	43.7		
27 2,2-Dichloropropane	77		3.065	3.066	(0.689)	38583	45.3521	47.6		
29 Bromochloromethane	49		3.311	3.312	(0.744)	16548	47.0357	49.4		
30 Tetrahydrofuran	42		3.332	3.338	(0.749)	4274	47.3528	49.7		
31 Chloroform	83		3.431	3.432	(0.771)	46925	41.3544	43.4		
\$ 32 Dibromofluoromethane (S)	113		3.619	3.626	(0.813)	24690	49.0340	51.4		
33 1,1,1-Trichloroethane	97		3.619	3.626	(0.813)	42802	42.5405	44.6		
34 Cyclohexane	56		3.713	3.715	(0.834)	54460	46.3960	48.7		
35 Carbon Tetrachloride	117		3.818	3.819	(0.858)	33533	40.5288	42.5		
36 1,1-Dichloropropene	75		3.828	3.830	(0.860)	42054	41.7729	43.8		
37 Benzene	78		4.069	4.070	(0.914)	114613	45.6610	47.9		
38 1,2-Dichloroethane	62		4.147	4.149	(0.932)	28575	39.8428	41.8		
39 Isobutyl alcohol	43		4.174	4.238	(0.938)	179411	332.771	349(Q)		
40 2,2,4-Trimethylpentane	57		4.236	4.238	(0.952)	118397	41.4057	43.4		
* 41 Fluorobenzene (IS)	96		4.451	4.452	(1.000)	108309	50.0000			
42 Trichloroethene	95		4.885	4.886	(1.098)	29231	42.6373	44.7		
43 Methylcyclohexane	55		5.146	5.148	(1.156)	45215	45.4214	47.7		
44 1,2-Dichloropropane	63		5.183	5.184	(1.164)	25782	44.7158	46.9		
45 Dibromomethane	93		5.277	5.278	(1.186)	10534	41.5952	43.6		
46 1,4-Dioxane	88		5.282	5.289	(1.187)	3538	938.193	984		
47 Methyl methacrylate	69		5.288	5.289	(1.188)	12270	44.5548	46.8		
48 Bromodichloromethane	83		5.497	5.498	(1.235)	30849	42.2394	44.3		
49 2-Chloroethyl vinyl ether	63		5.837	5.838	(0.776)	6718	41.0388	43.1		
50 cis-1,3-Dichloropropene	75		5.983	5.985	(0.796)	36186	38.1473	40.0		
51 4-Methyl-2-Pentanone	43		6.156	6.152	(0.819)	81334	209.799	220		
\$ 52 Toluene-d8 (S)	98		6.260	6.256	(0.832)	106908	47.1155	49.4		
53 Toluene	91		6.334	6.330	(0.842)	127676	39.3287	41.3		
54 trans-1,3-Dichloropropene	75		6.595	6.591	(0.877)	27625	38.9837	40.9		
55 Ethyl Methacrylate	69		6.663	6.664	(0.886)	102453	152.367	160		
56 1,1,2-Trichloroethane	83		6.768	6.769	(0.900)	14990	41.2357	43.3		
57 Tetrachloroethene	166		6.820	6.821	(0.907)	38437	41.3947	43.4		
58 1,3-Dichloropropane	76		6.904	6.905	(0.918)	32498	39.5856	41.5		
59 2-Hexanone	43		6.961	6.963	(0.926)	61699	232.795	244		
60 Dibromochloromethane	129		7.082	7.083	(0.942)	20311	37.9354	39.8		
61 1,2-Dibromoethane	107		7.165	7.161	(0.953)	17027	43.9386	46.1		
* 62 Chlorobenzene-D5 (IS)	117		7.521	7.522	(1.000)	85438	50.0000			
63 Chlorobenzene	112		7.542	7.543	(1.003)	82492	40.4329	42.4		
64 1,1,1,2-Tetrachloroethane	131		7.620	7.616	(1.013)	27285	44.9219	47.1		
65 Ethylbenzene	106		7.620	7.622	(1.013)	49636	40.8194	42.8		
66 m&p-Xylene	106		7.720	7.716	(1.026)	122601	82.7389	86.8		
67 o-Xylene	106		7.976	7.977	(1.060)	57924	41.8143	43.9		
68 Styrene	104		7.992	7.993	(1.063)	96088	42.0211	44.1		
69 Bromoform	173		8.112	8.113	(0.901)	12515	39.5378	41.5		
70 Isopropylbenzene	105		8.217	8.218	(1.092)	166923	42.9661	45.1		
\$ 71 4-Bromofluorobenzene (S)	95		8.332	8.328	(1.108)	40032	50.2479	52.7		
72 Bromobenzene	77		8.410	8.411	(1.118)	53230	40.3193	42.3		
73 1,1,2,2-Tetrachloroethane	83		8.415	8.417	(0.934)	21314	39.0478	41.0		
74 trans-1,4-Dichloro-2-butene	53		8.436	8.437	(1.122)	20592	146.770	154(Q)		
75 1,2,3-Trichloropropane	110		8.447	8.448	(0.938)	6817	37.5617	39.4(Q)		
76 n-Propylbenzene	91		8.478	8.474	(0.941)	188820	39.3893	41.3		

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS		REVIEW C
						ON-COLUMN (ug/L)	FINAL (ppb)	
77 2-Chlorotoluene	91	8.525	8.526	(0.947)	103661	38.6223	40.5	
78 1,3,5-Trimethylbenzene	105	8.583	8.584	(0.953)	137833	39.0642	41.0	
79 4-Chlorotoluene	126	8.604	8.600	(0.955)	37397	40.1140	42.1	
80 tert-Butylbenzene	119	8.766	8.767	(0.973)	125867	33.1701	34.8	
81 1,2,4-Trimethylbenzene	105	8.797	8.798	(0.977)	139310	39.5786	41.5	
82 sec-Butylbenzene	105	8.891	8.892	(0.987)	184921	39.3032	41.2	
83 1,3-Dichlorobenzene	146	8.959	8.960	(0.995)	74017	38.5148	40.4	
84 p-Isopropyltoluene	119	8.975	8.976	(0.997)	155366	37.9537	39.8	
* 85 1,4-Dichlorobenzene-d4 (IS)	152	9.006	9.008	(1.000)	48576	50.0000		
86 1,4-Dichlorobenzene	146	9.022	9.018	(1.002)	73619	38.4048	40.3	
87 n-Butylbenzene	91	9.195	9.196	(1.021)	136237	36.9723	38.8	
88 1,2-Dichlorobenzene	146	9.210	9.211	(1.023)	66915	39.4271	41.4	
89 1,2-Dibromo-3-chloropropane	155	9.618	9.619	(1.068)	3225	27.2296	28.6 (R)	
90 1,2,4-Trichlorobenzene	180	10.042	10.043	(1.115)	47005	38.4377	40.3	
91 Hexachlorobutadiene	225	10.110	10.111	(1.123)	30714	39.6759	41.6	
92 Naphthalene	128	10.194	10.190	(1.132)	83545	39.5711	41.5	
93 1,2,3-Trichlorobenzene	180	10.309	10.310	(1.145)	43208	39.3665	41.3	
94 2-methyl-naphthalene	142	10.858	10.854	(1.206)	50292	37.9762	39.8	
95 1-Methylnaphthalene	142	10.978	10.979	(1.219)	46572	41.0990	43.1	

QC Flag Legend

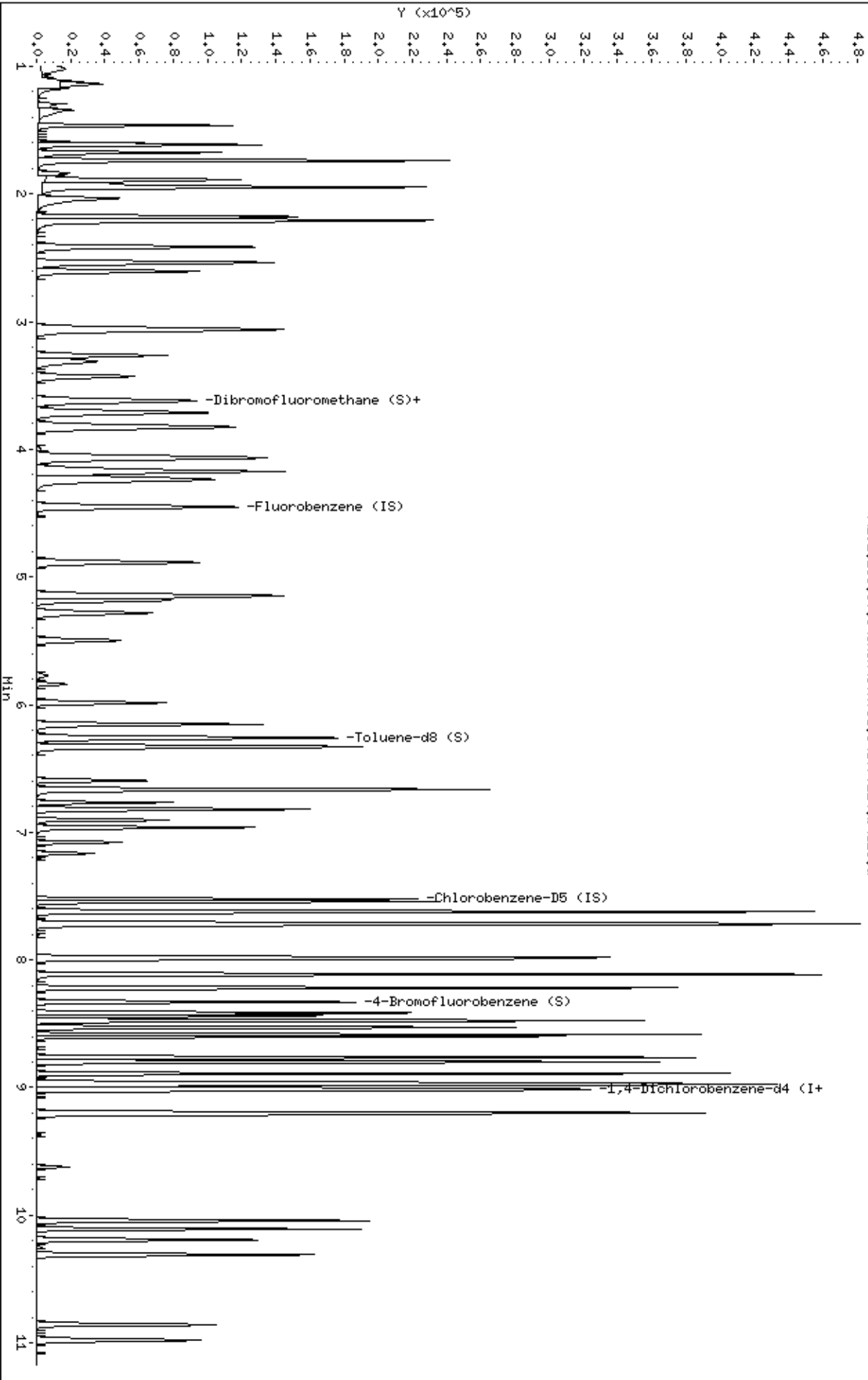
Q - Qualifier signal failed the ratio test.
 R - Spike/Surrogate failed recovery limits.

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Date: 02-JUL-2014 19:16
Client ID: TMM-5(12-14)MSD
Sample Info: 1122049,7108915

Column phase: DB-624

Instrument: 50mw3a.1
Operator: JIZ
Column diameter: 0.18

\\192.168.50.6\chem\50mw3a.1\9070214.b\918.d



Date : 02-JUL-2014 19:16

Client ID: THW-5(12-14)HSD

Instrument: 50mv3a.i

Sample Info: 1122049,71089;5

Operator: jlz

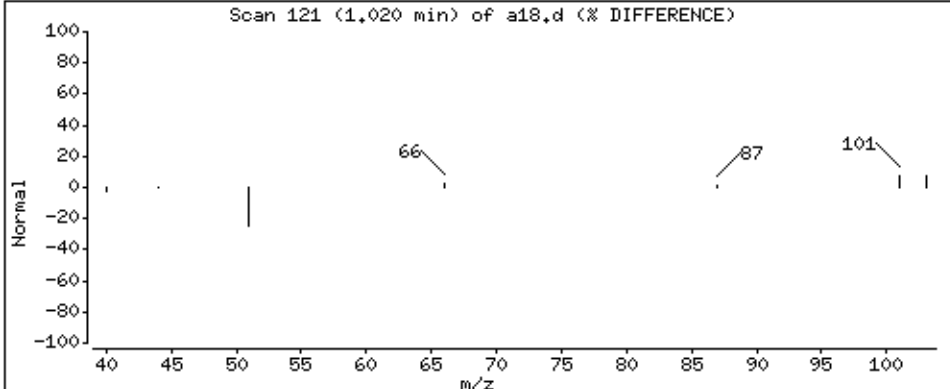
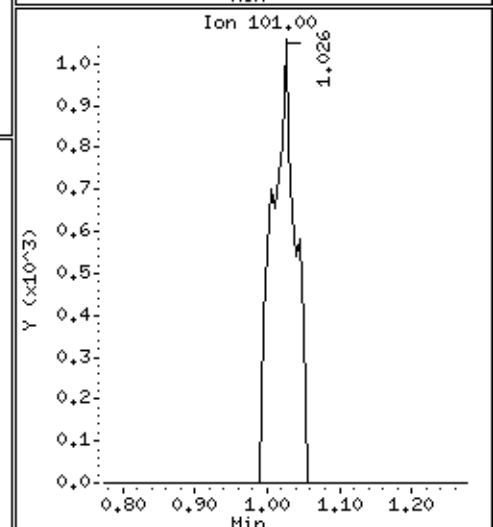
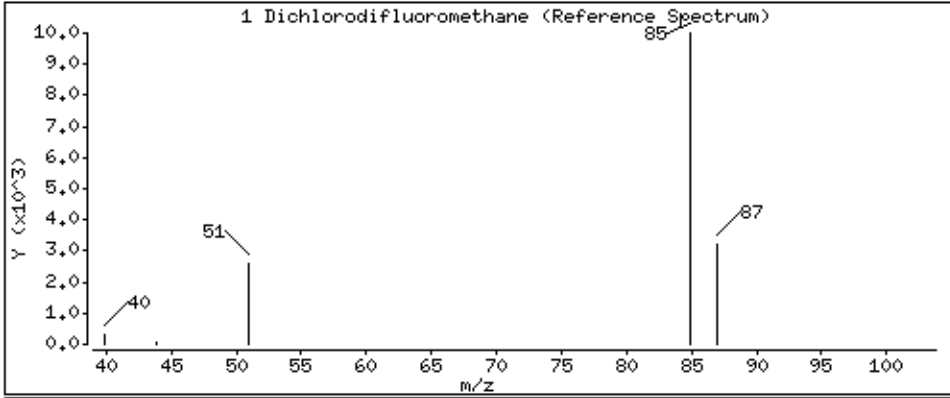
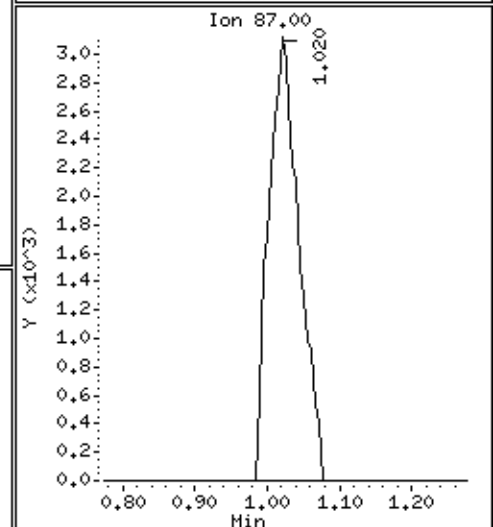
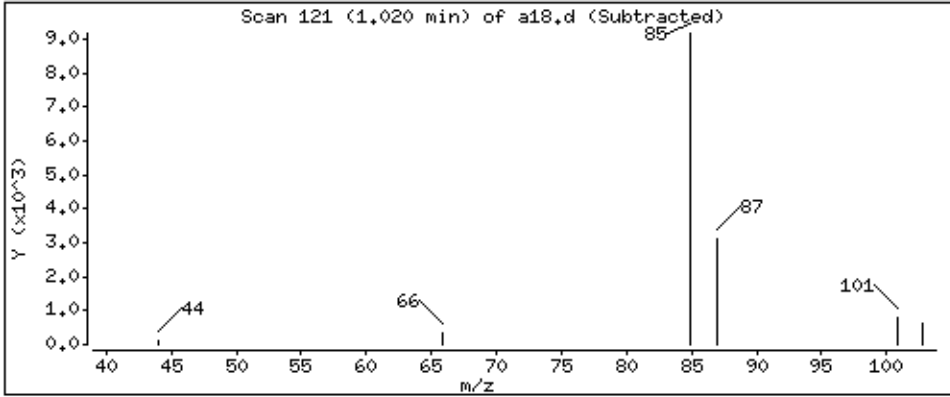
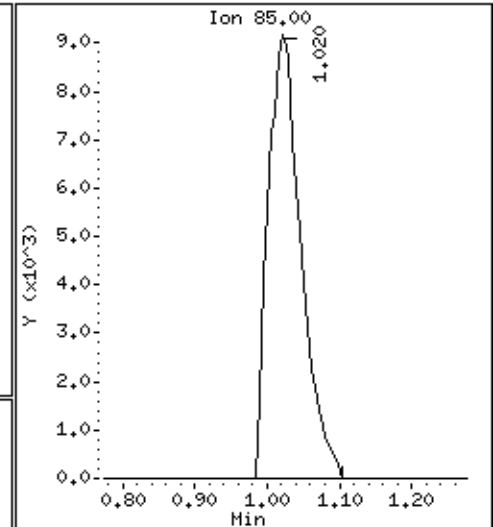
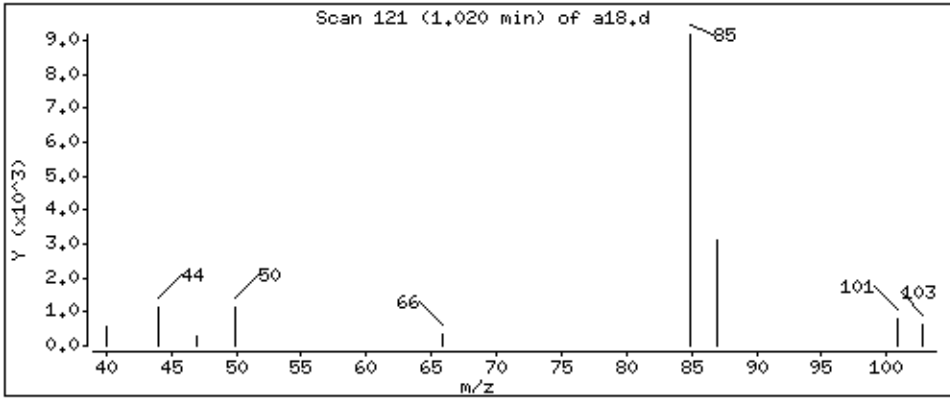
Column phase: DB-624

Column diameter: 0,18

1 Dichlorodifluoromethane

Concentration: 37,5 ppb

Review Code:



Date : 02-JUL-2014 19:16

Client ID: THW-5(12-14)HSD

Instrument: 50mv3a.i

Sample Info: 1122049,71089;5

Operator: jlz

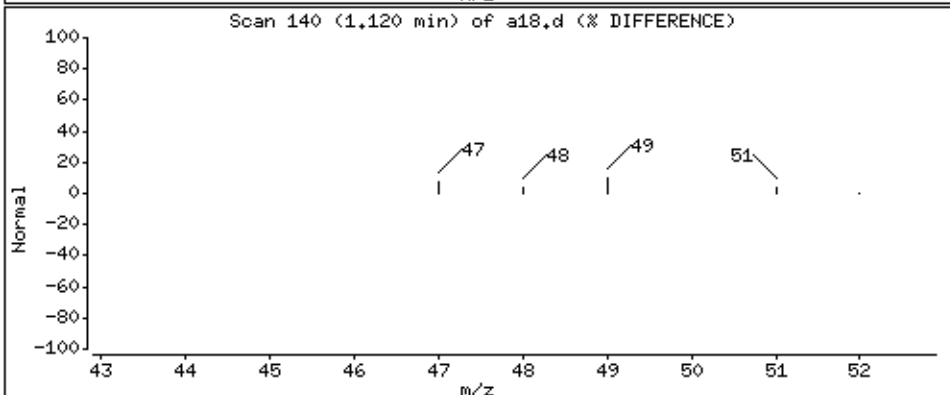
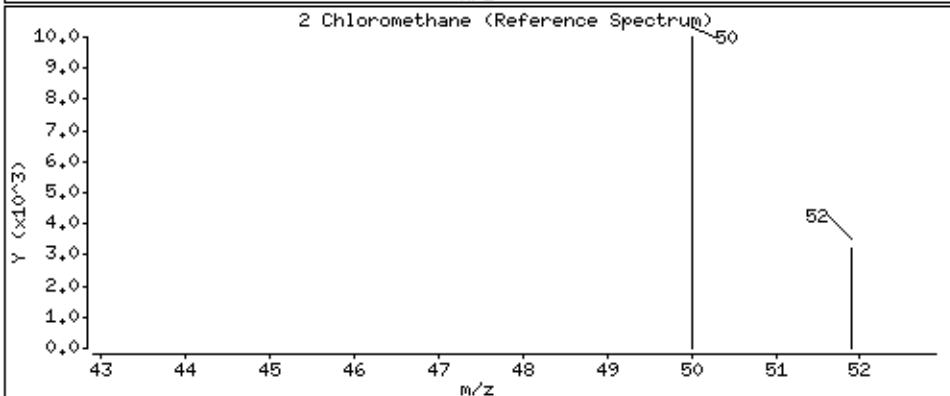
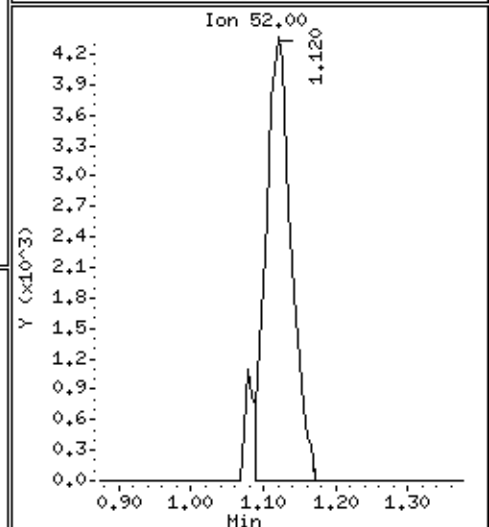
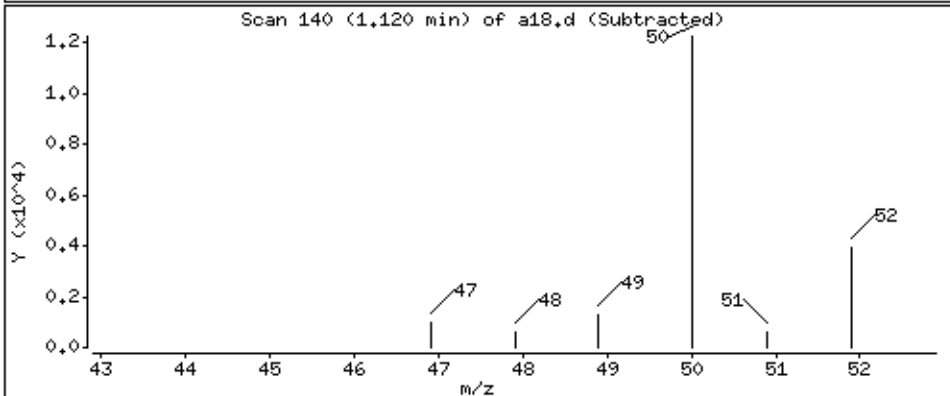
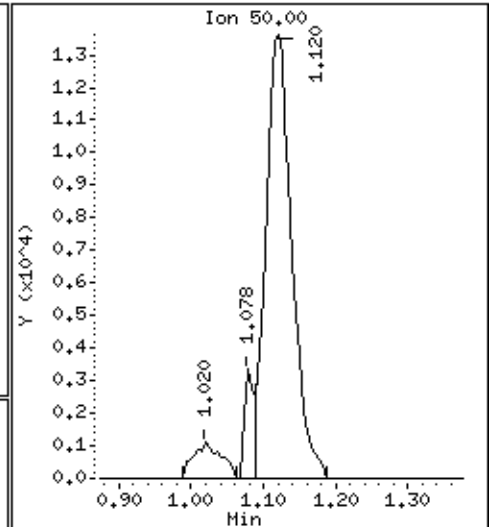
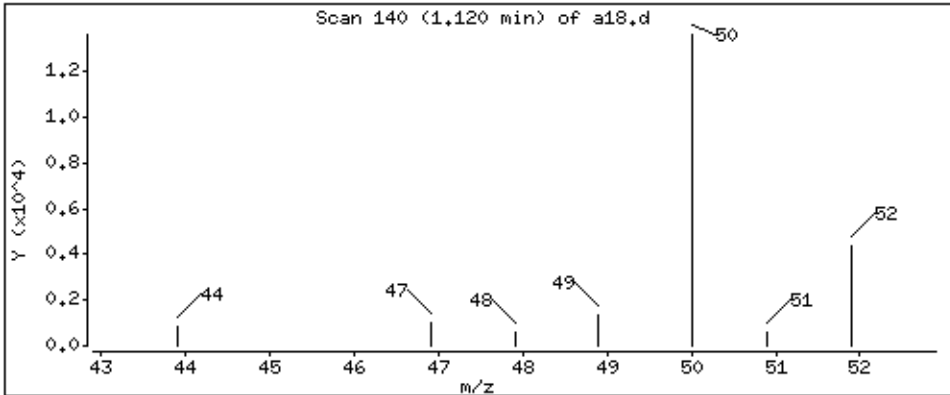
Column phase: DB-624

Column diameter: 0,18

2 Chloromethane

Concentration: 52,7 ppb

Review Code:



Date : 02-JUL-2014 19:16

Client ID: THW-5(12-14)HSD

Instrument: 50mv3a.i

Sample Info: 1122049,71089;5

Operator: jlz

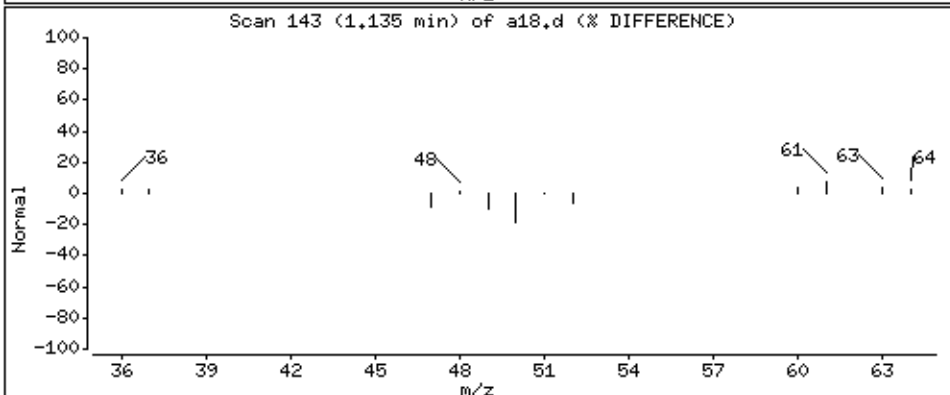
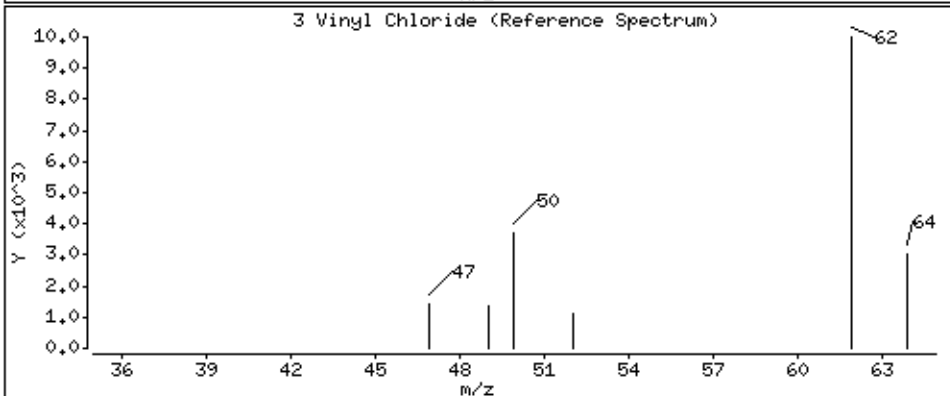
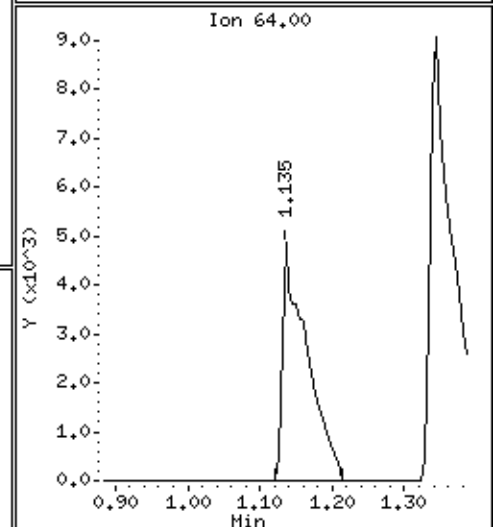
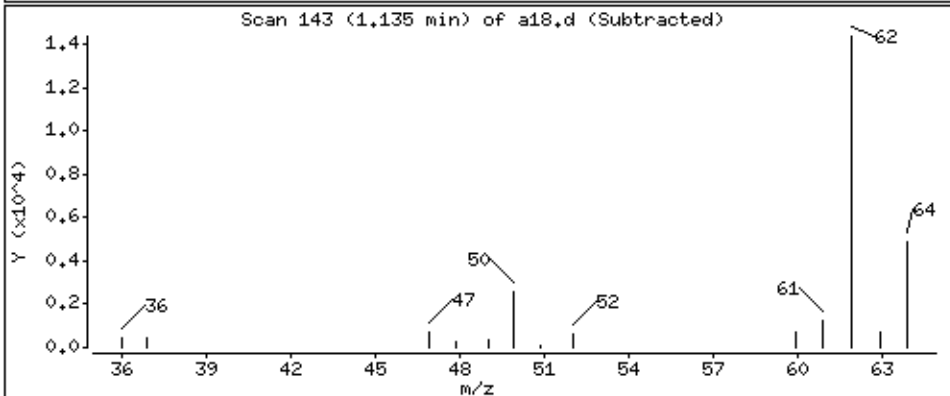
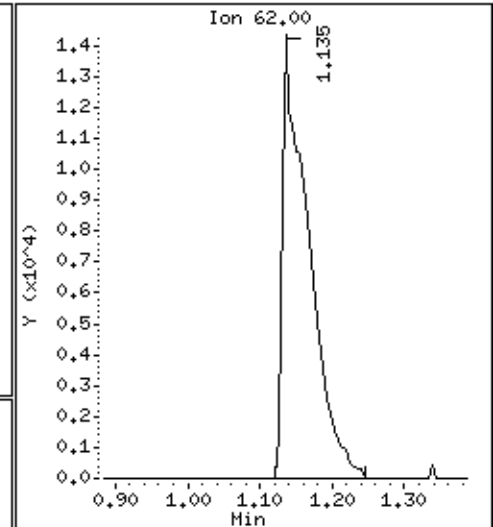
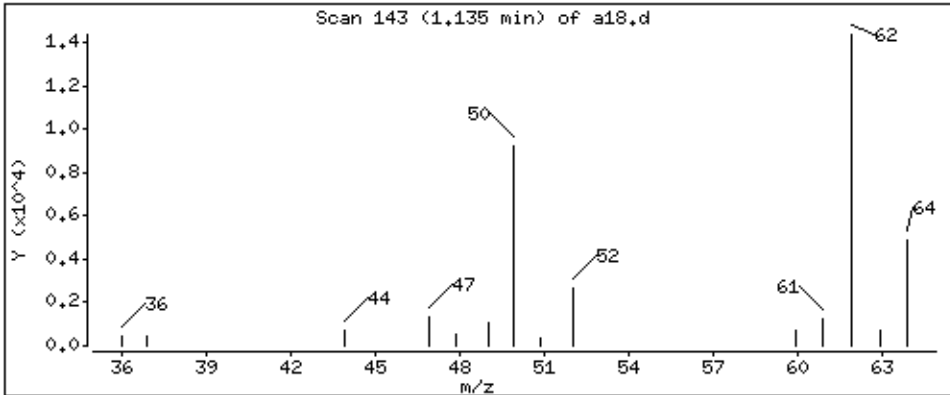
Column phase: DB-624

Column diameter: 0,18

3 Vinyl Chloride

Concentration: 55,7 ppb

Review Code:



Date : 02-JUL-2014 19:16

Client ID: THW-5(12-14)HSD

Instrument: 50mv3a.i

Sample Info: 1122049,71089;5

Operator: jlz

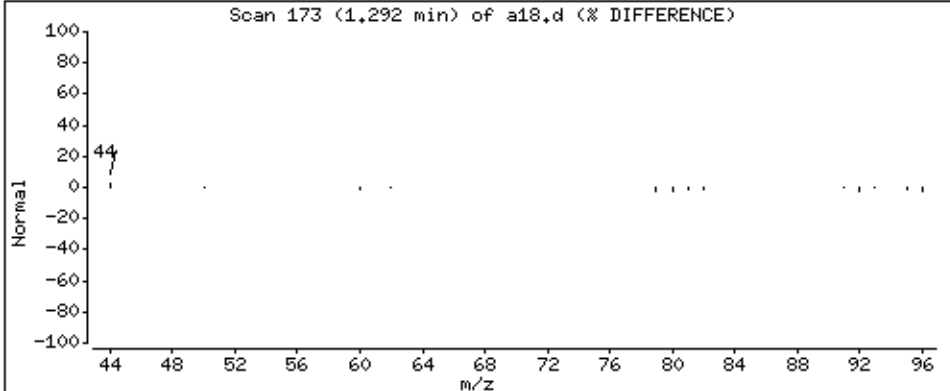
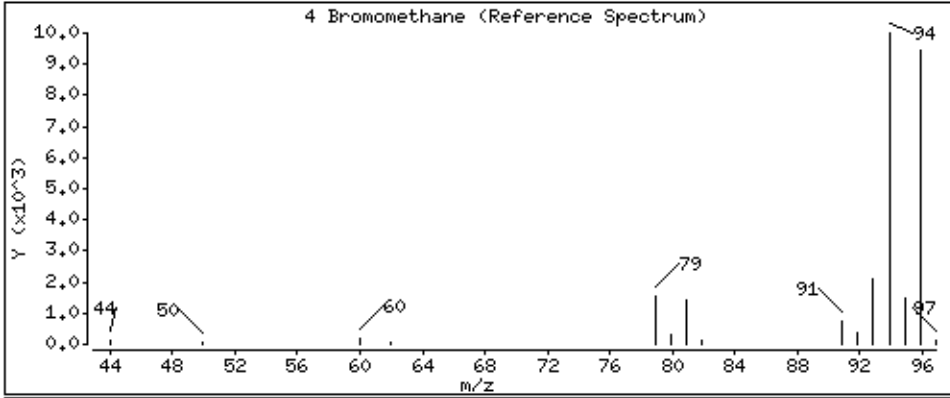
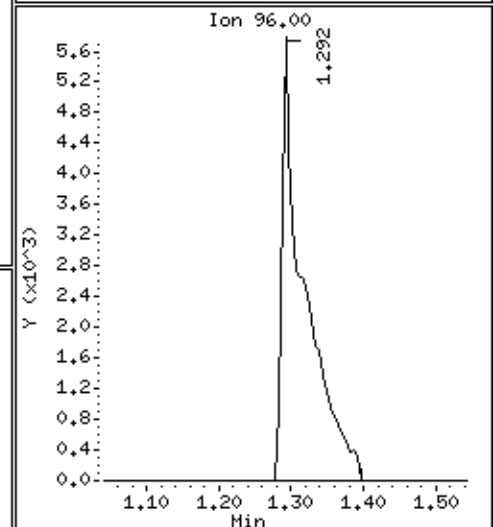
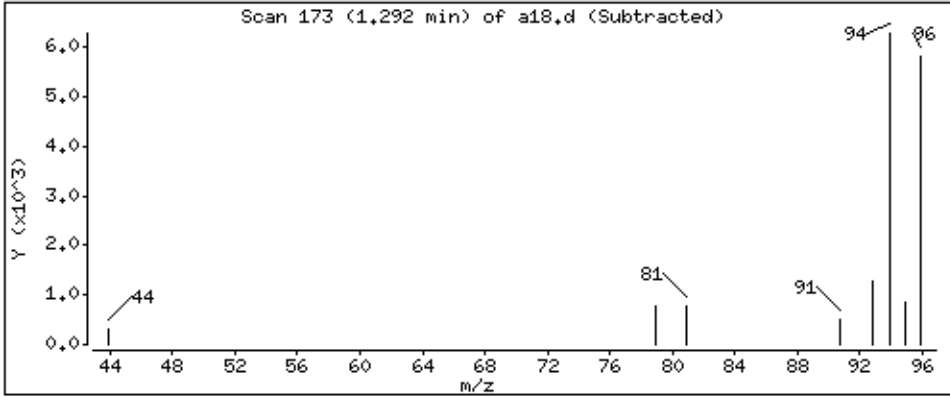
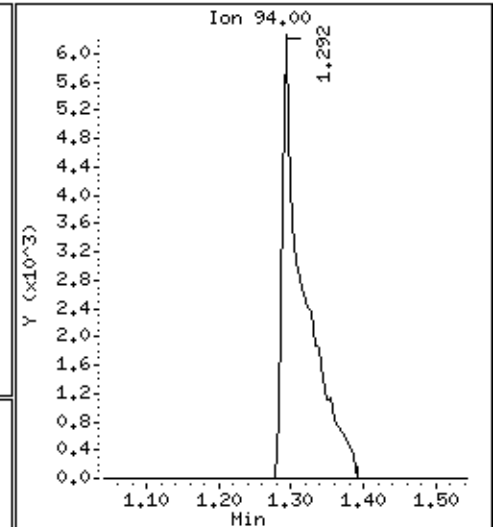
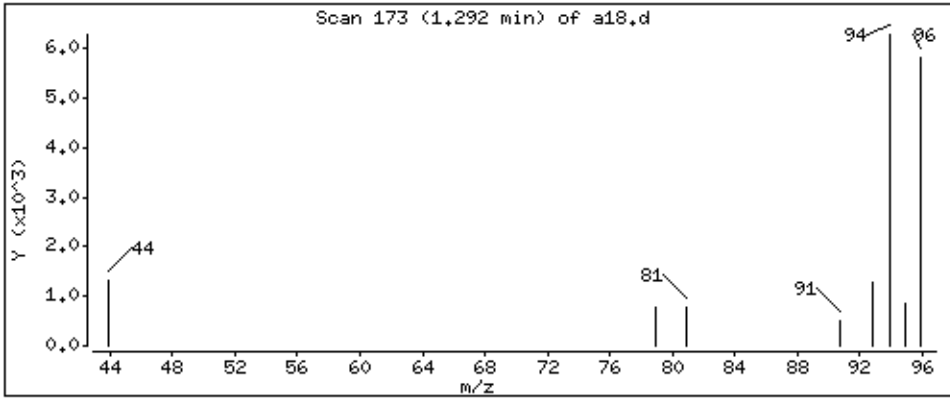
Column phase: DB-624

Column diameter: 0,18

4 Bromomethane

Concentration: 45,8 ppb

Review Code:



Date : 02-JUL-2014 19:16

Client ID: THW-5(12-14)HSD

Instrument: 50mv3a.i

Sample Info: 1122049,71089;5

Operator: jlz

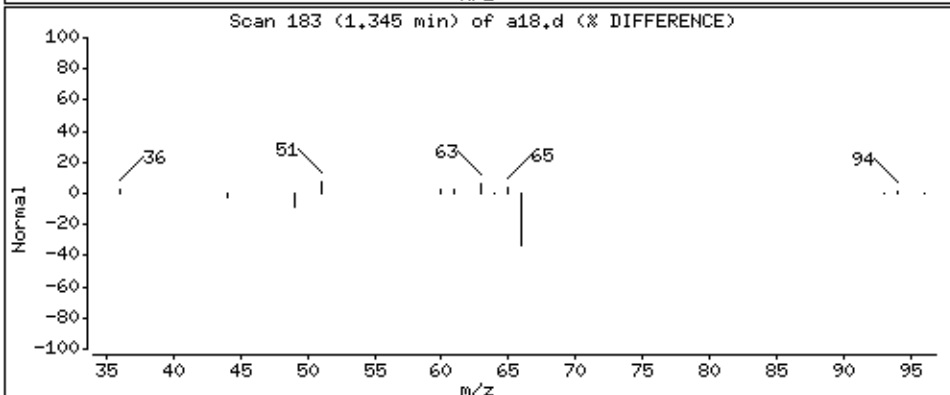
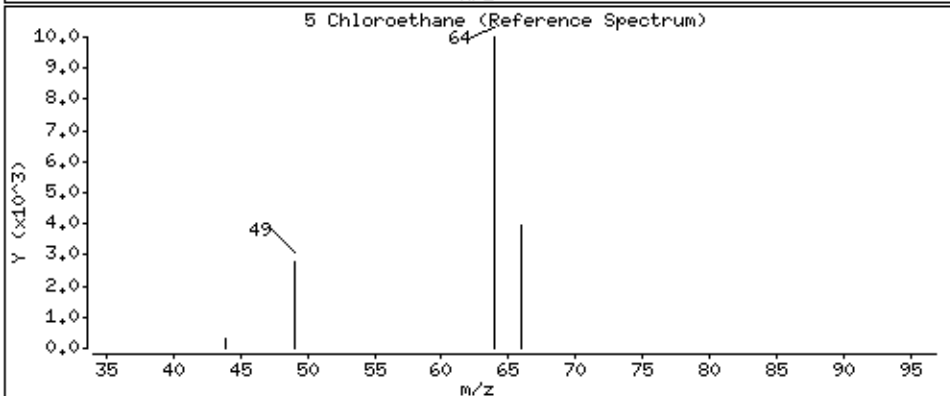
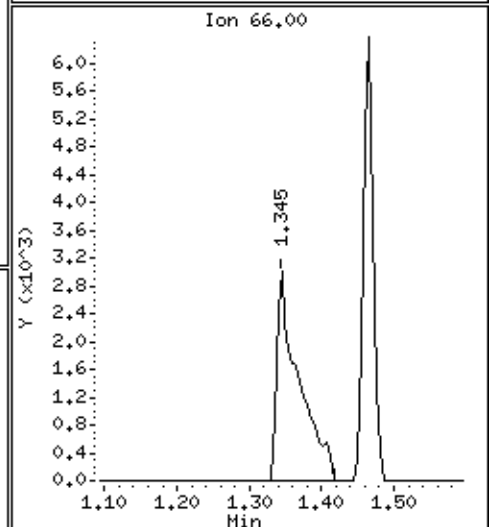
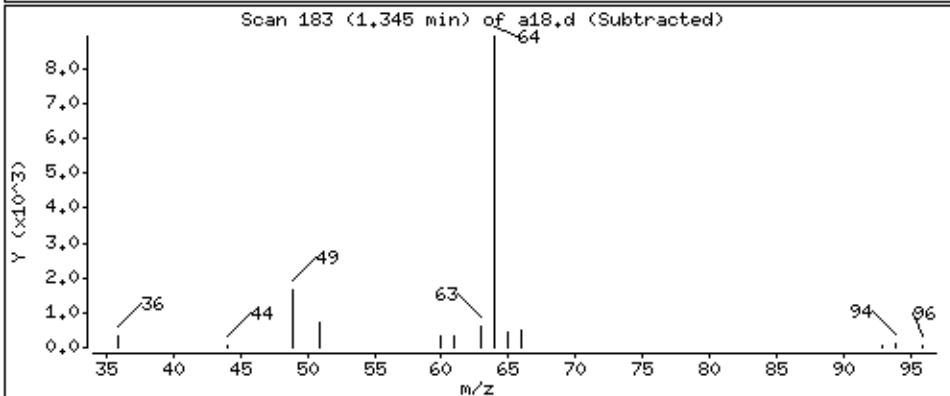
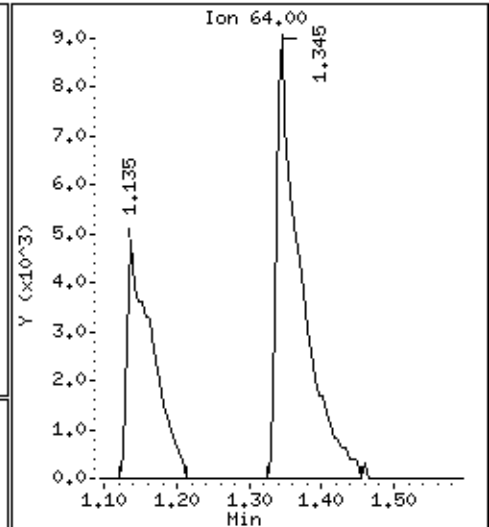
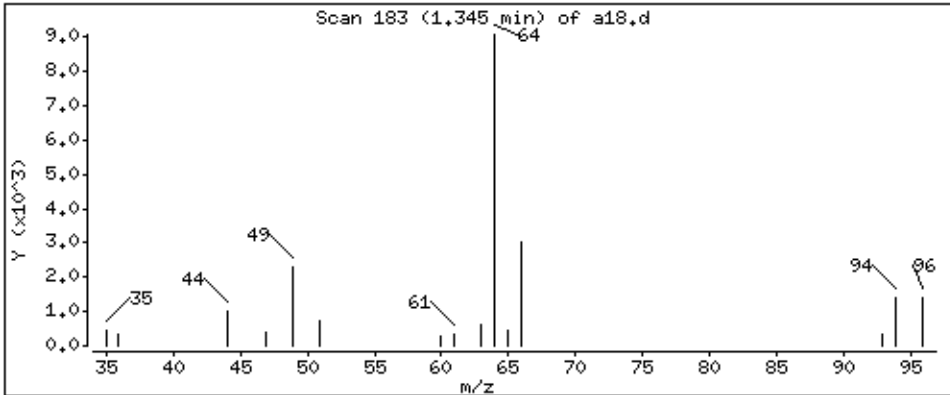
Column phase: DB-624

Column diameter: 0,18

5 Chloroethane

Concentration: 57.4 ppb

Review Code:



Date : 02-JUL-2014 19:16

Client ID: THW-5(12-14)HSD

Instrument: 50mw3a.i

Sample Info: 1122049,71089;5

Operator: jlz

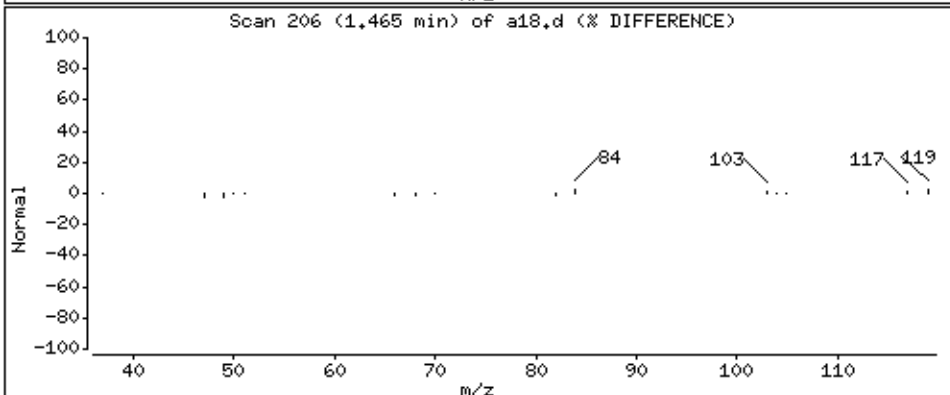
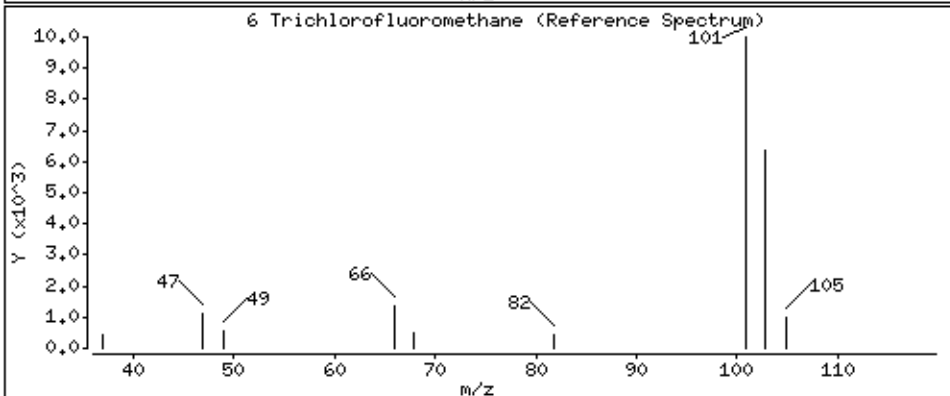
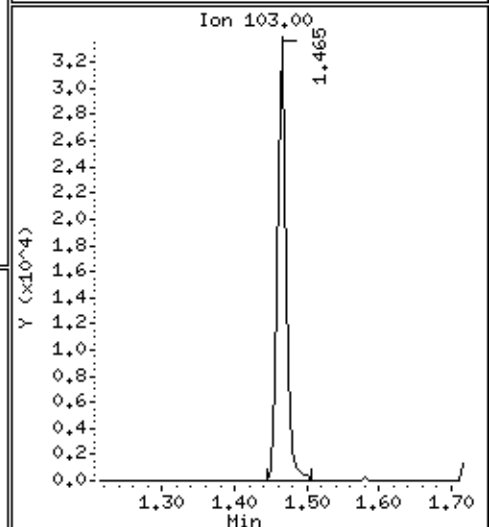
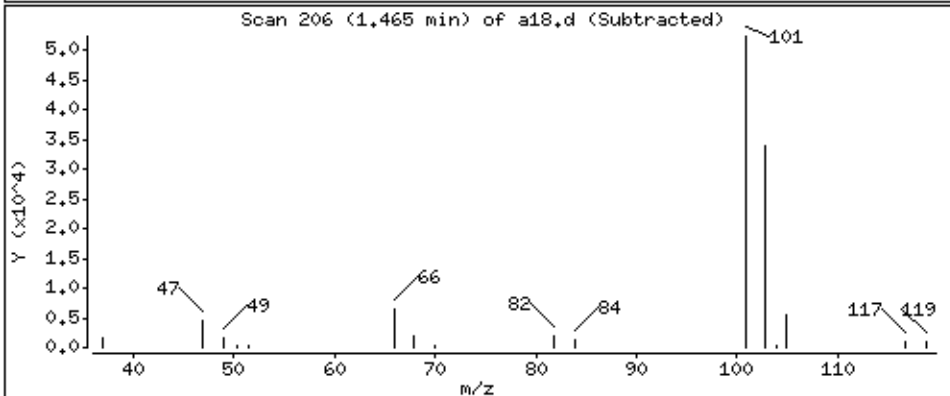
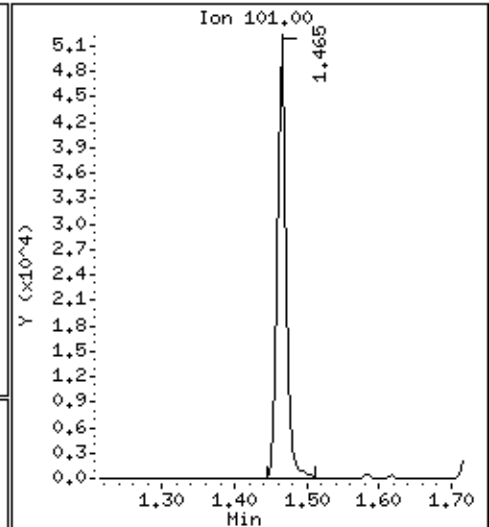
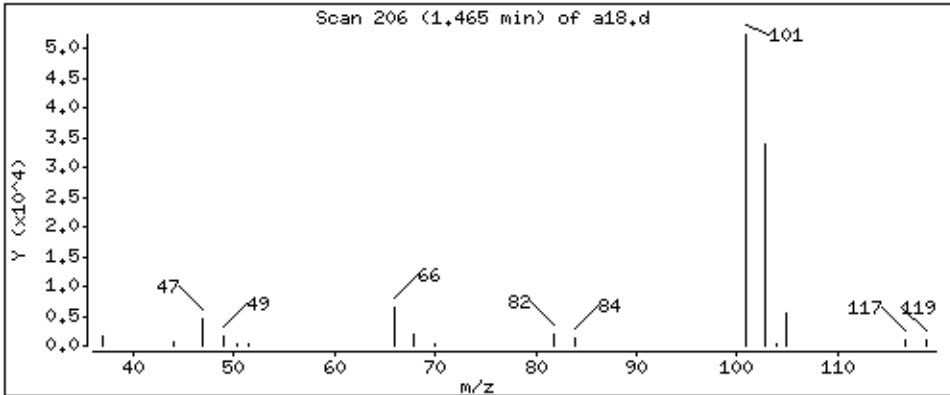
Column phase: DB-624

Column diameter: 0,18

6 Trichlorofluoromethane

Concentration: 46,6 ppb

Review Code:



Date : 02-JUL-2014 19:16

Client ID: THW-5(12-14)HSD

Instrument: 50mw3a.i

Sample Info: 1122049,71089;5

Operator: jlz

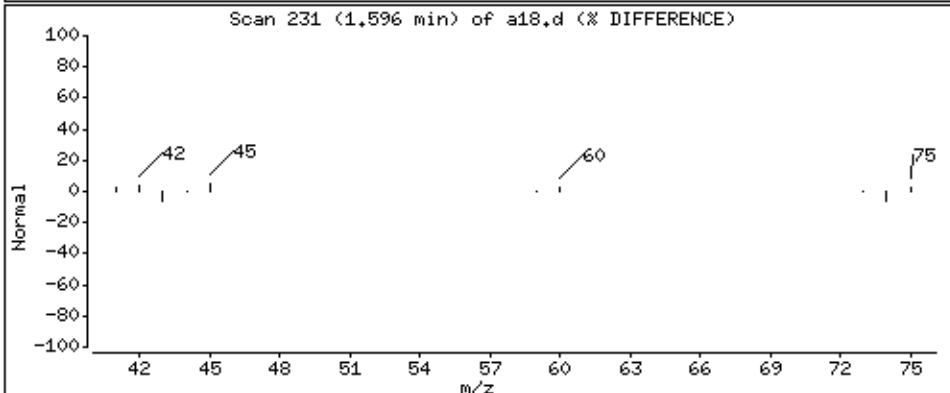
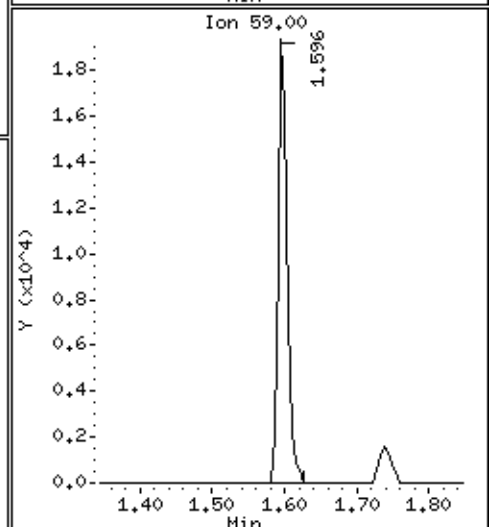
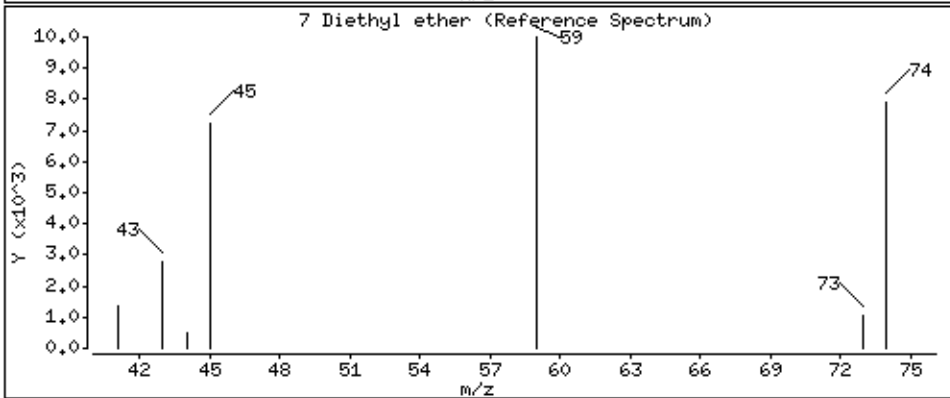
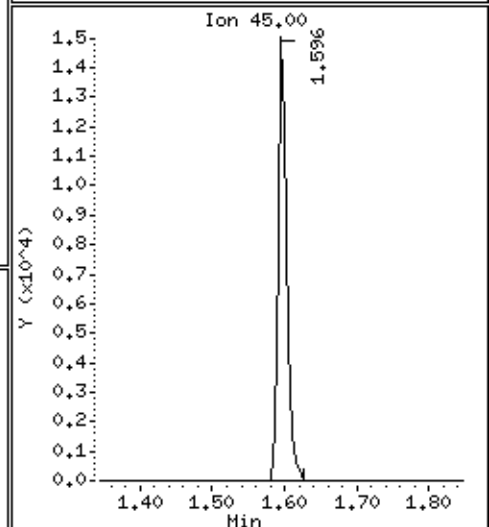
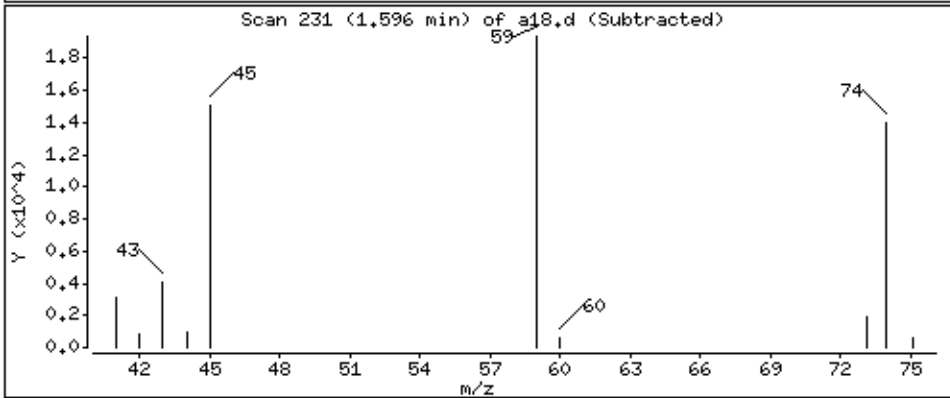
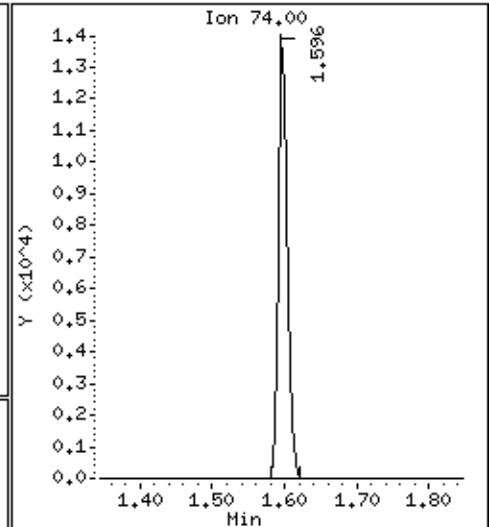
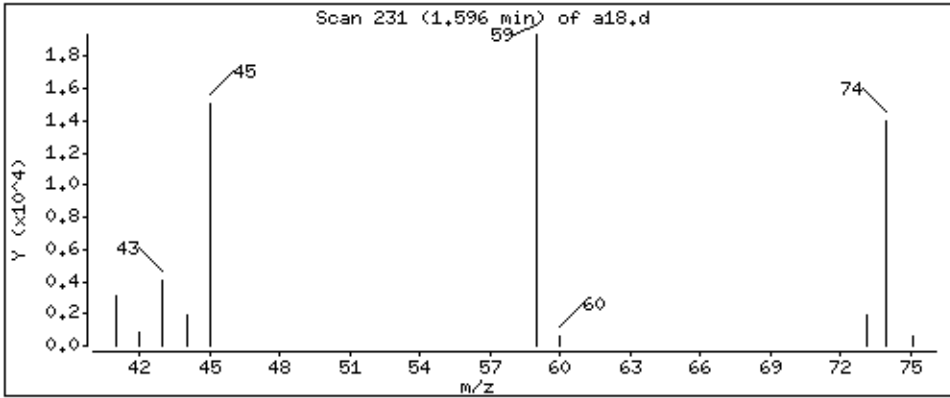
Column phase: DB-624

Column diameter: 0,18

7 Diethyl ether

Concentration: 50,0 ppb

Review Code:



Date : 02-JUL-2014 19:16

Client ID: THW-5(12-14)HSD

Instrument: 50mv3a.i

Sample Info: 1122049,71089;5

Operator: jlz

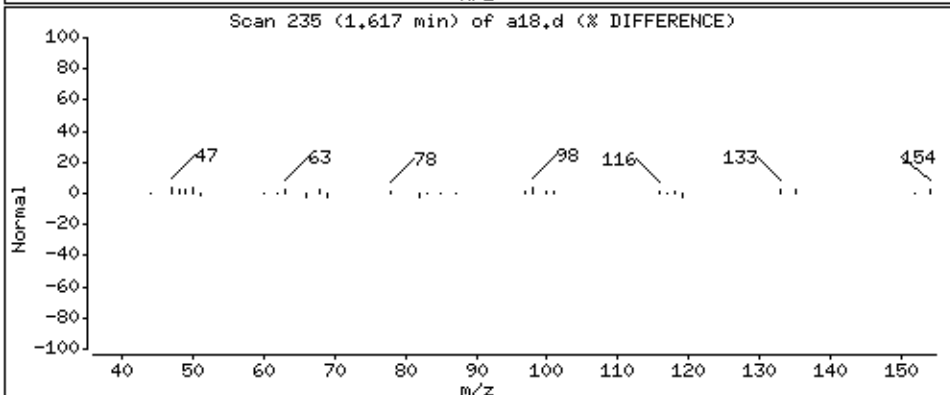
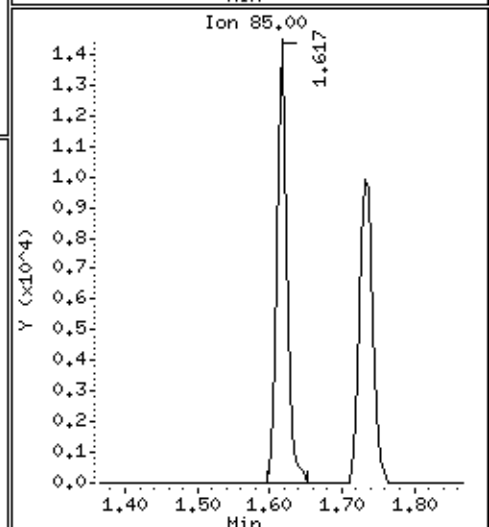
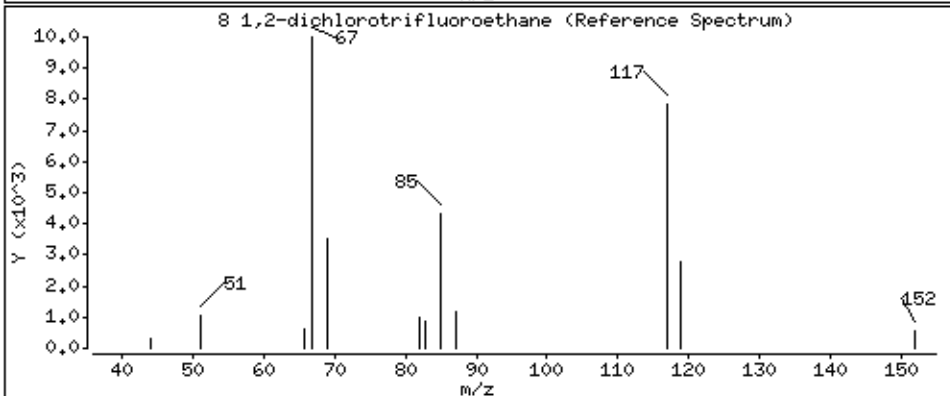
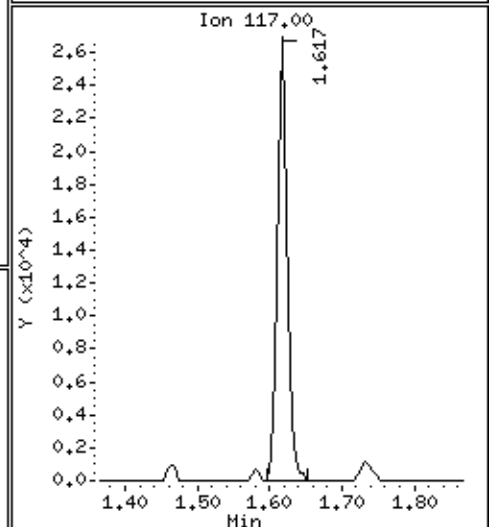
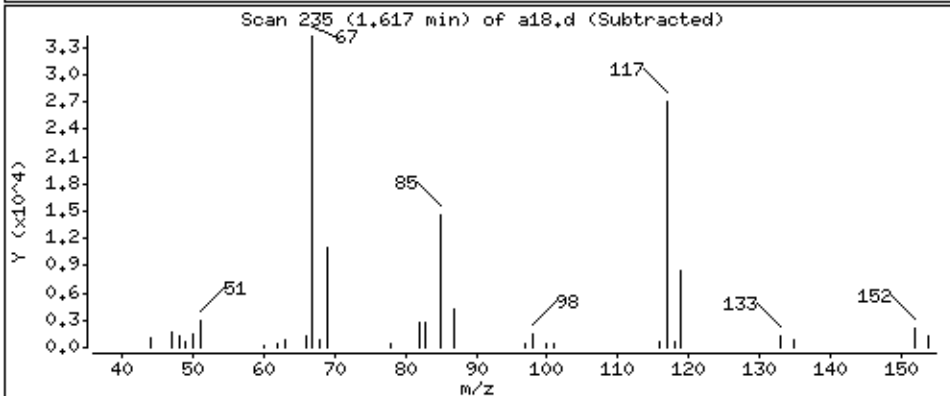
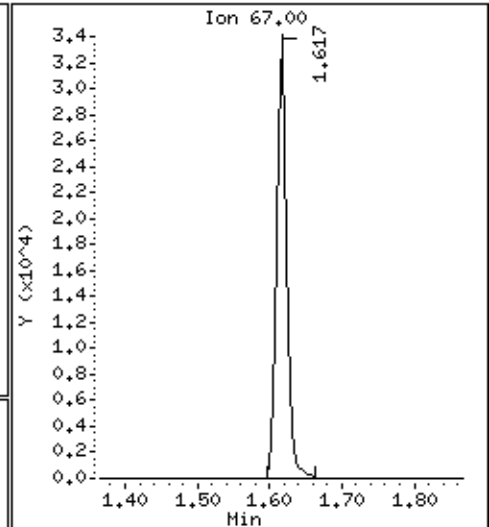
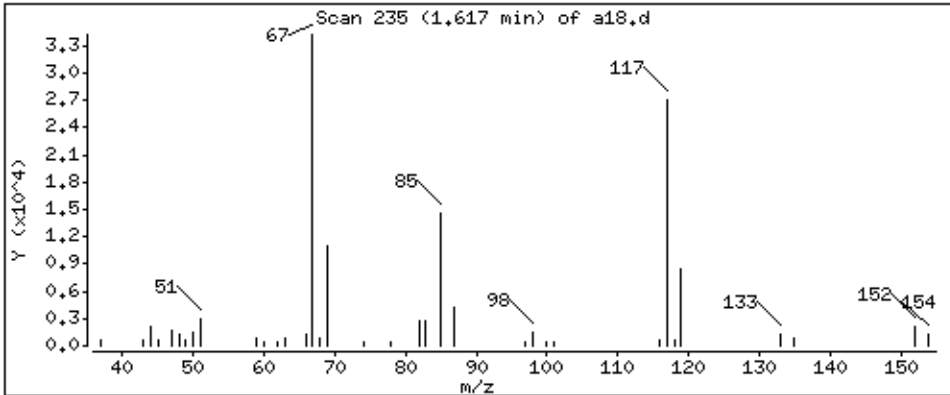
Column phase: DB-624

Column diameter: 0,18

8 1,2-dichlorotrifluoroethane

Concentration: 47.7 ppb

Review Code:



Date : 02-JUL-2014 19:16

Client ID: THW-5(12-14)HSD

Instrument: 50mv3a.i

Sample Info: 1122049,71089;5

Operator: jlz

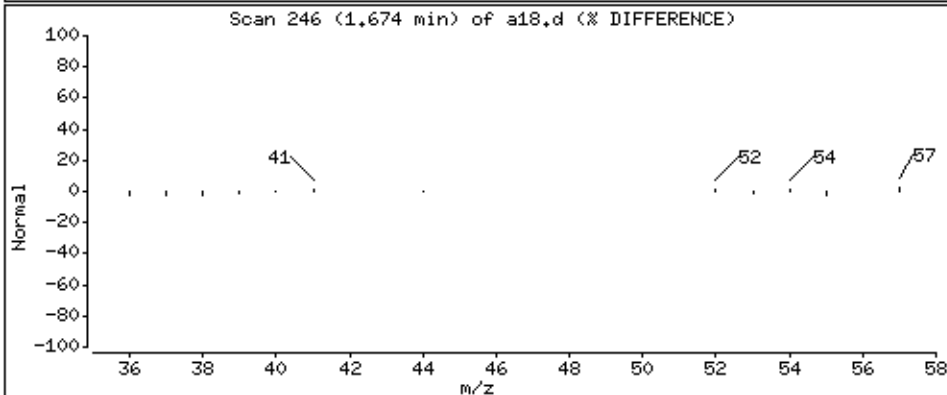
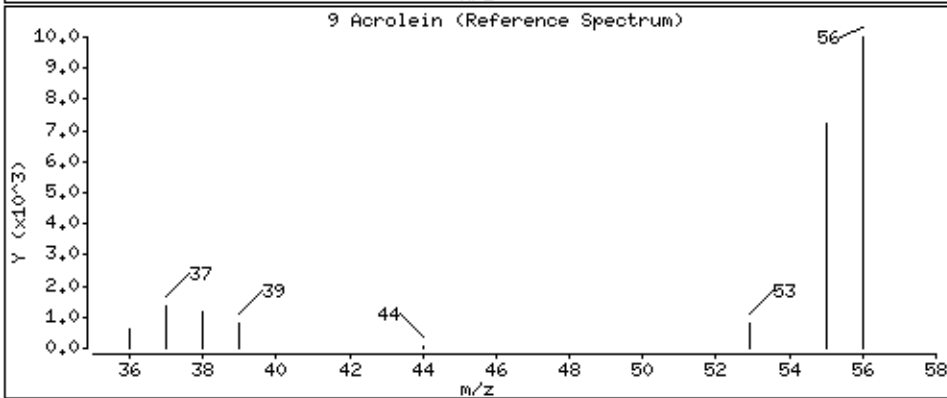
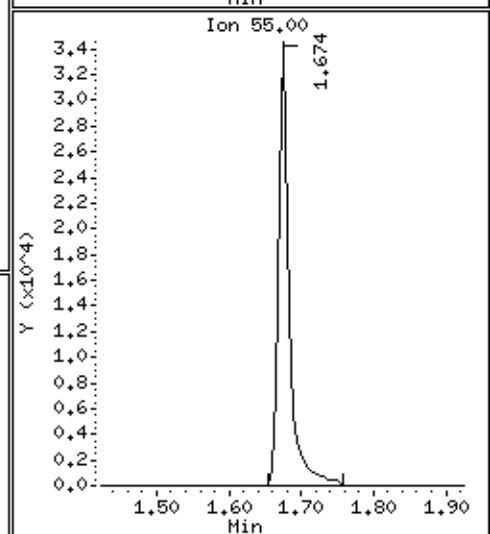
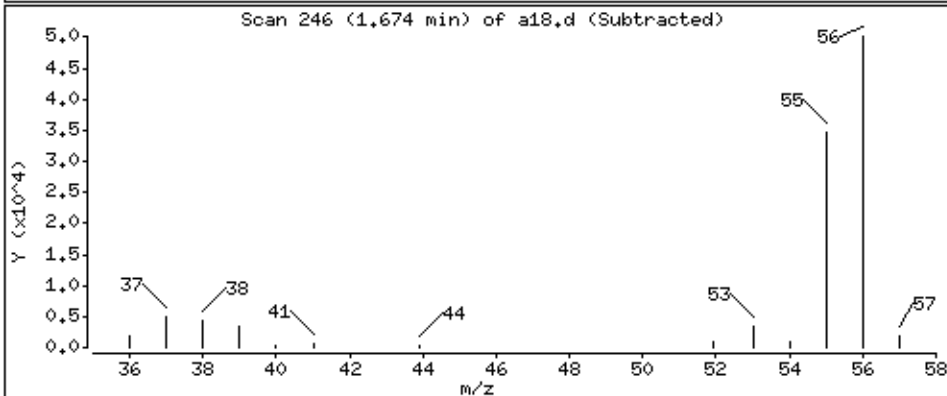
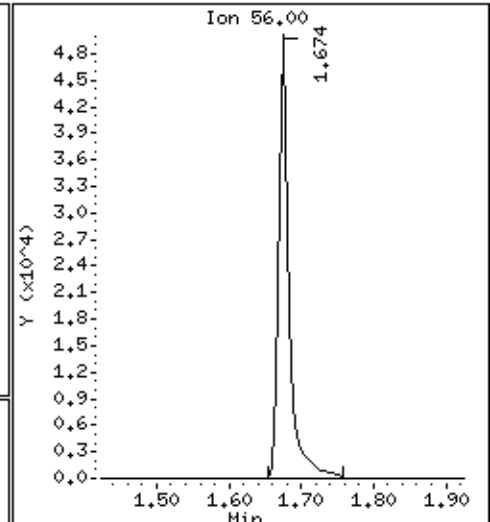
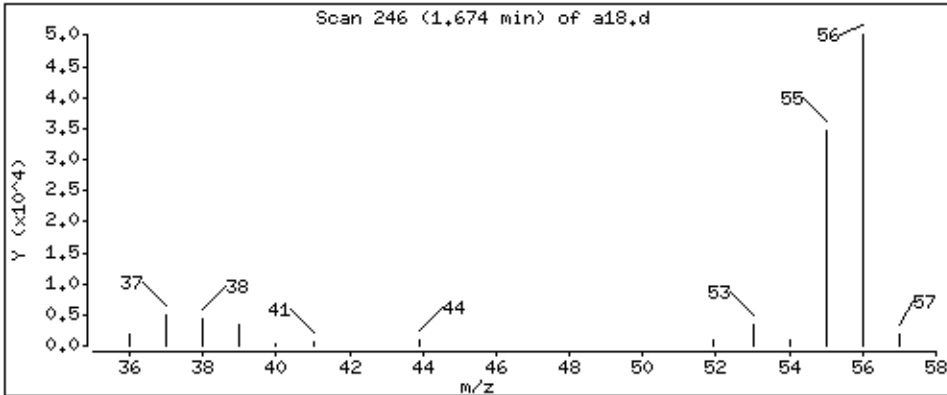
Column phase: DB-624

Column diameter: 0,18

9 Acrolein

Concentration: 1430 ppb

Review Code:



Date : 02-JUL-2014 19:16

Client ID: THW-5(12-14)HSD

Instrument: 50mw3a.i

Sample Info: 1122049,71089;5

Operator: jlz

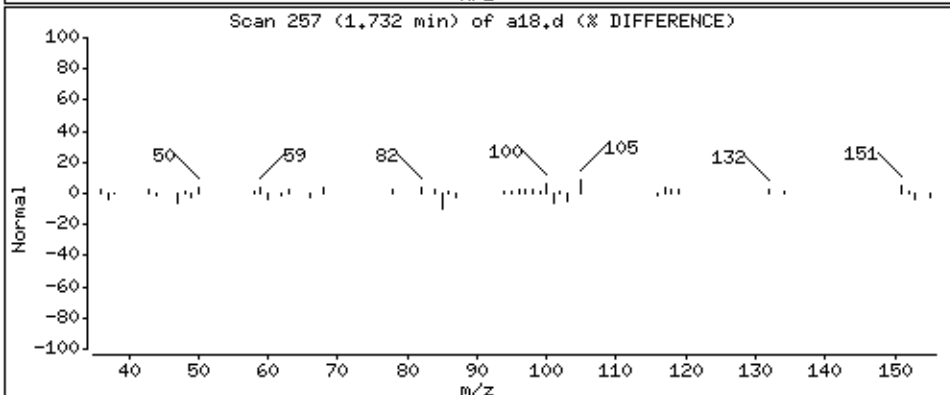
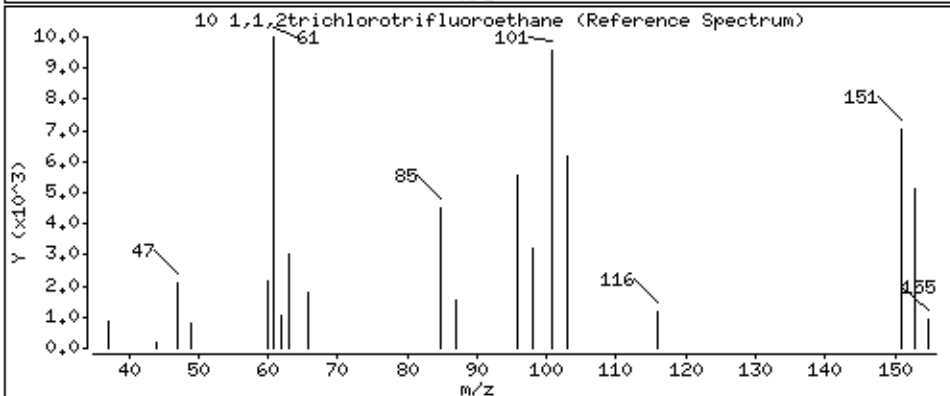
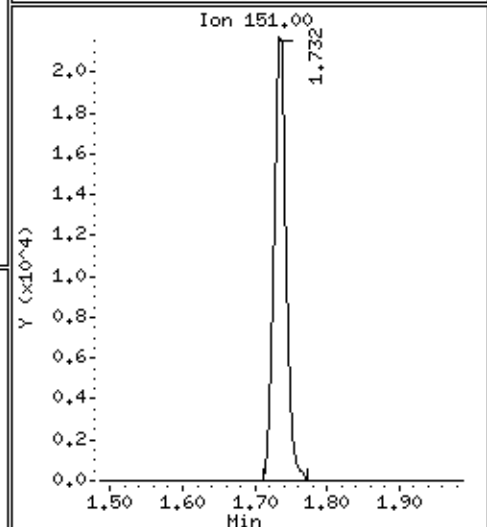
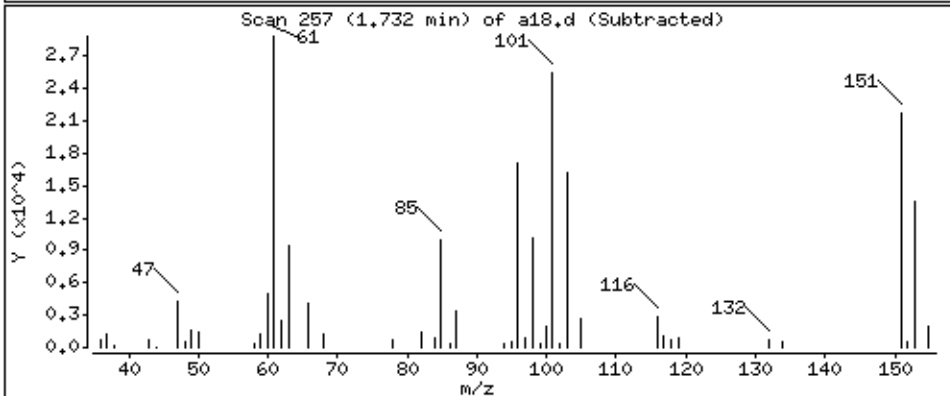
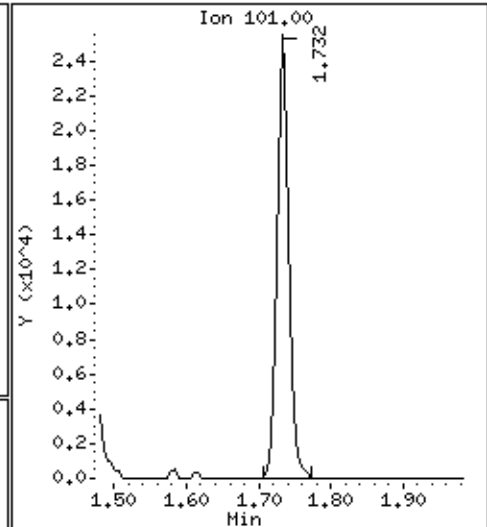
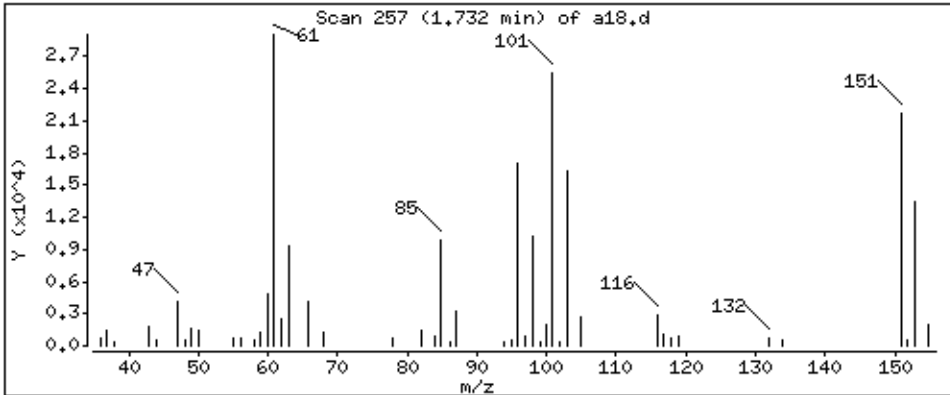
Column phase: DB-624

Column diameter: 0,18

10 1,1,2trichlorotrifluoroethane

Concentration: 48,9 ppb

Review Code:



Date : 02-JUL-2014 19:16

Client ID: THW-5(12-14)HSD

Instrument: 50mw3a.i

Sample Info: 1122049,71089;5

Operator: jlz

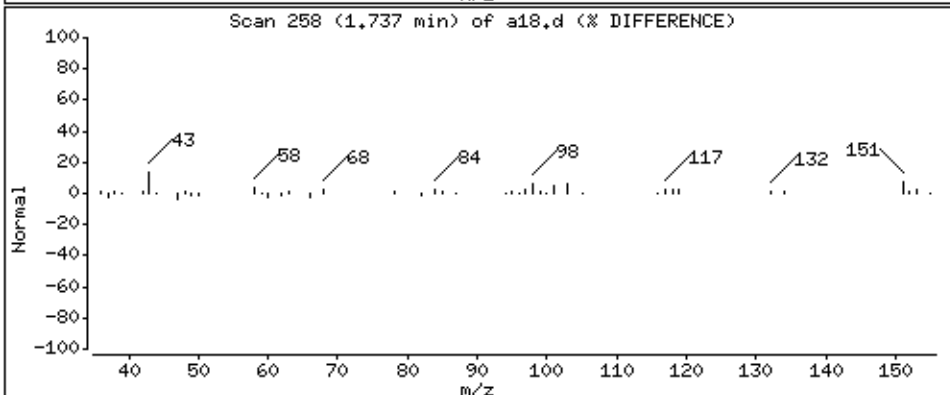
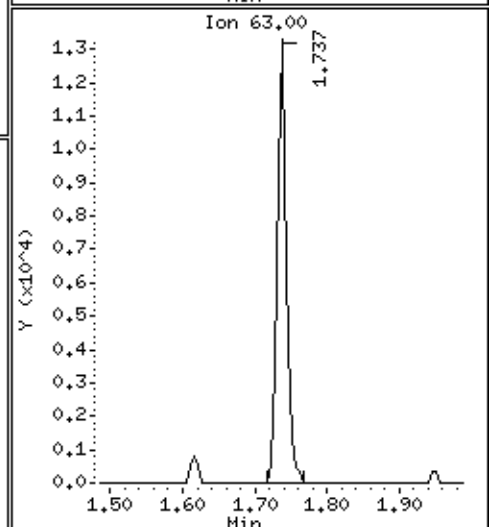
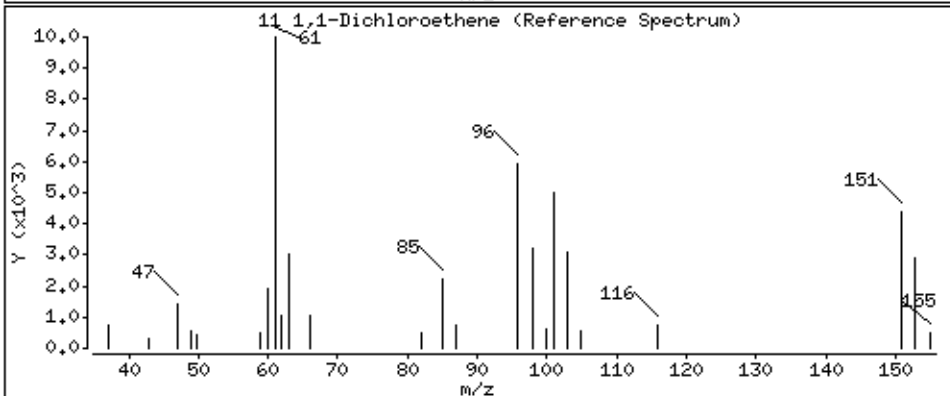
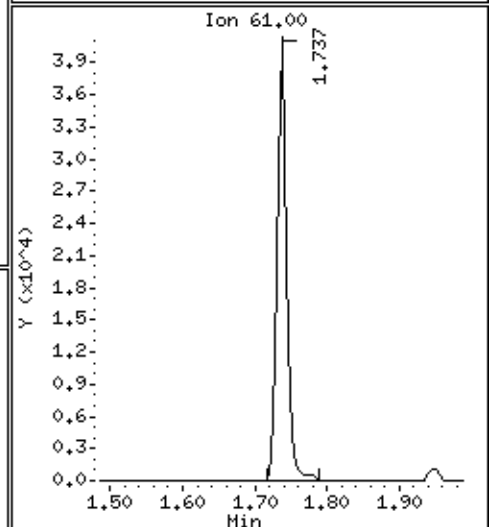
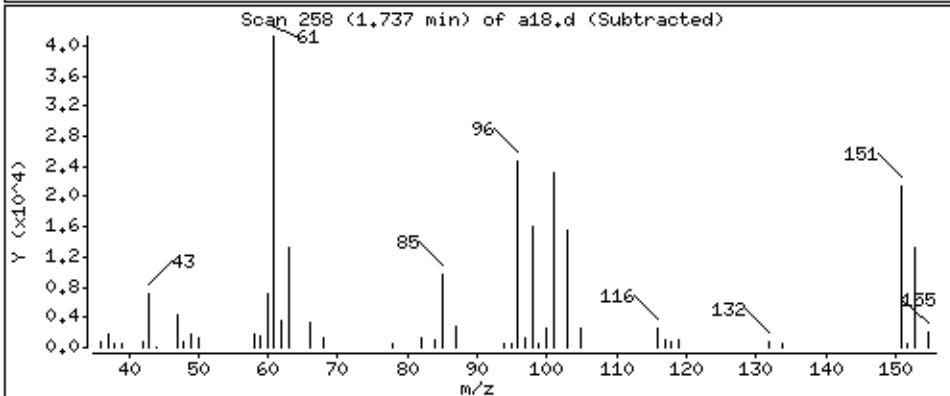
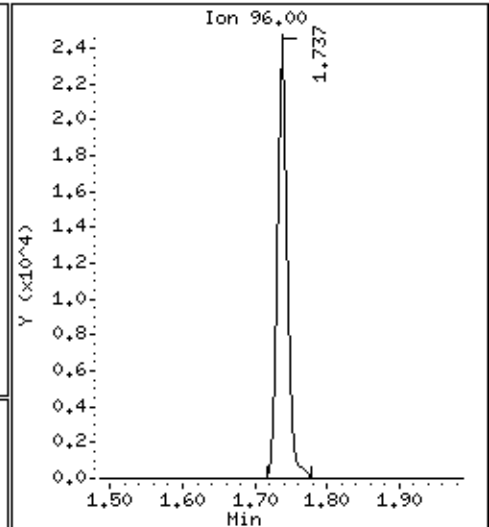
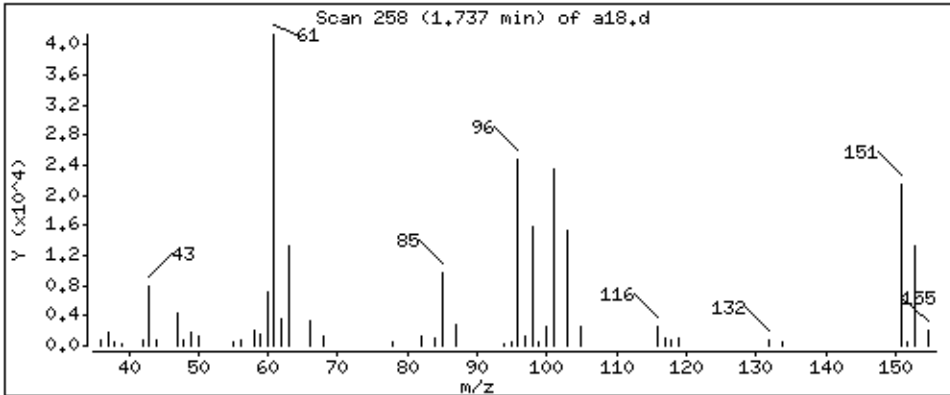
Column phase: DB-624

Column diameter: 0,18

11 1,1-Dichloroethene

Concentration: 46,5 ppb

Review Code:



Date : 02-JUL-2014 19:16

Client ID: THW-5(12-14)HSD

Instrument: 50mv3a.i

Sample Info: 1122049,71089;5

Operator: jlz

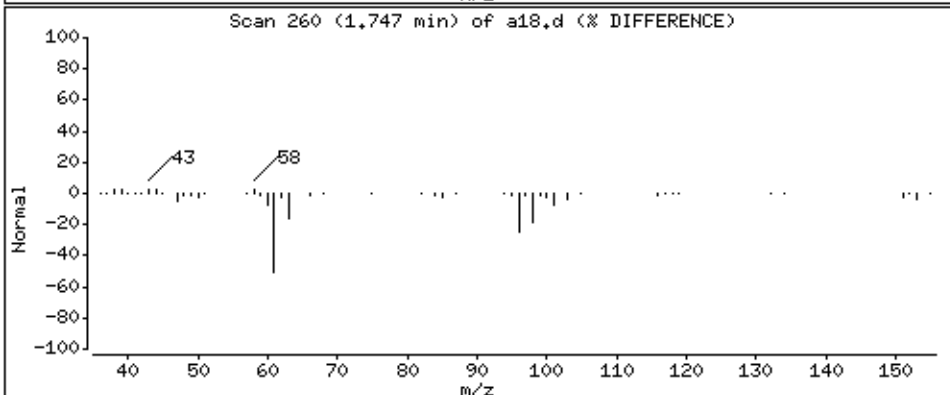
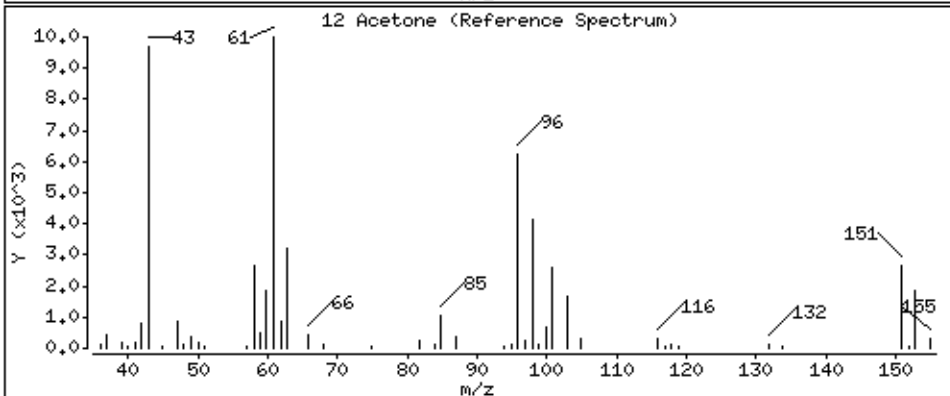
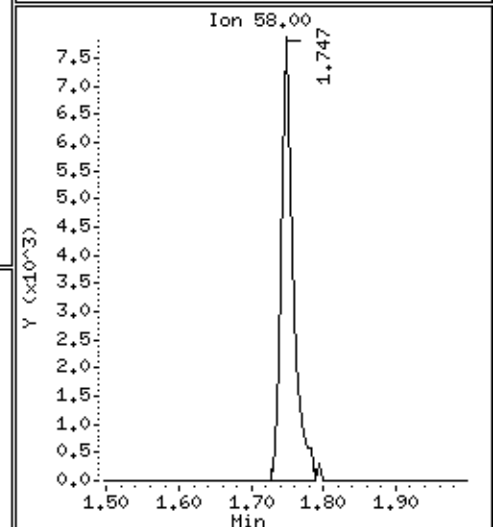
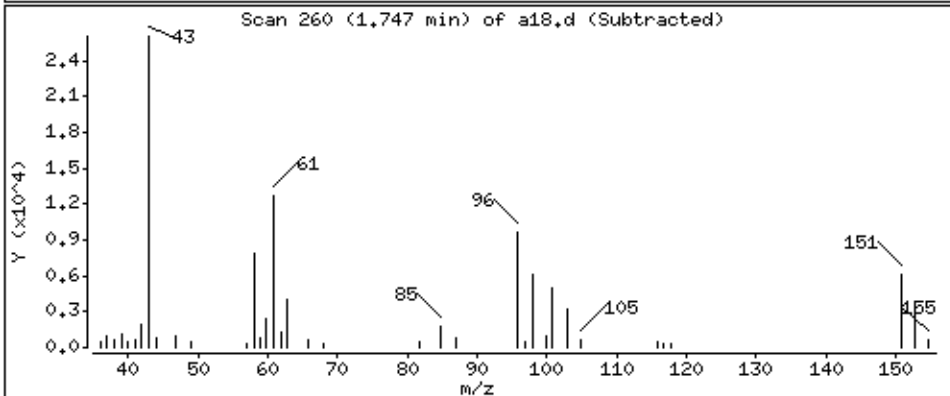
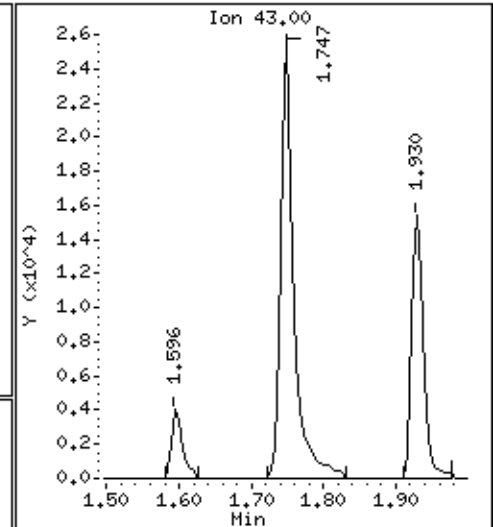
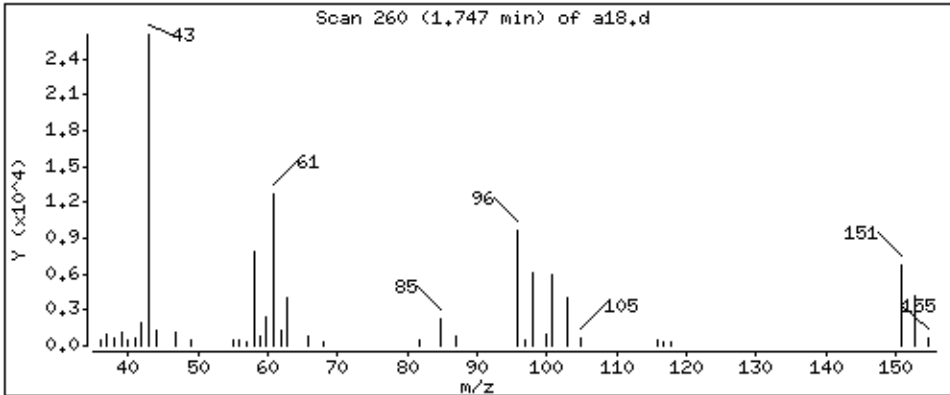
Column phase: DB-624

Column diameter: 0,18

12 Acetone

Concentration: 392 ppb

Review Code:



Date : 02-JUL-2014 19:16

Client ID: THW-5(12-14)HSD

Instrument: 50mw3a.i

Sample Info: 1122049,71089;5

Operator: jlz

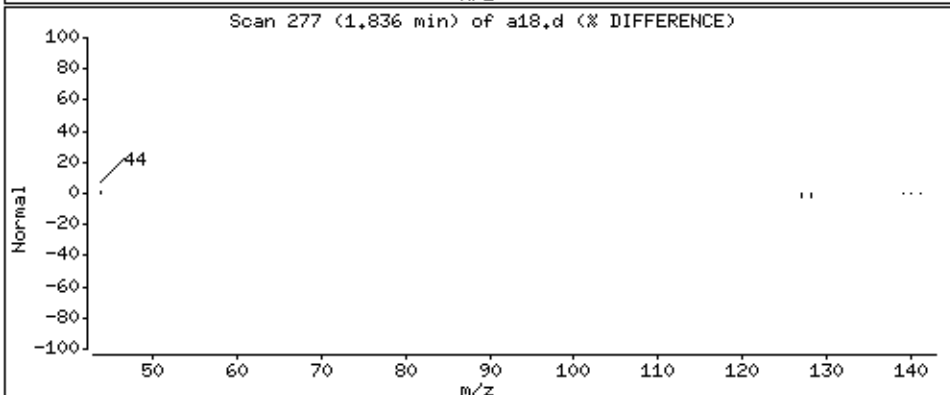
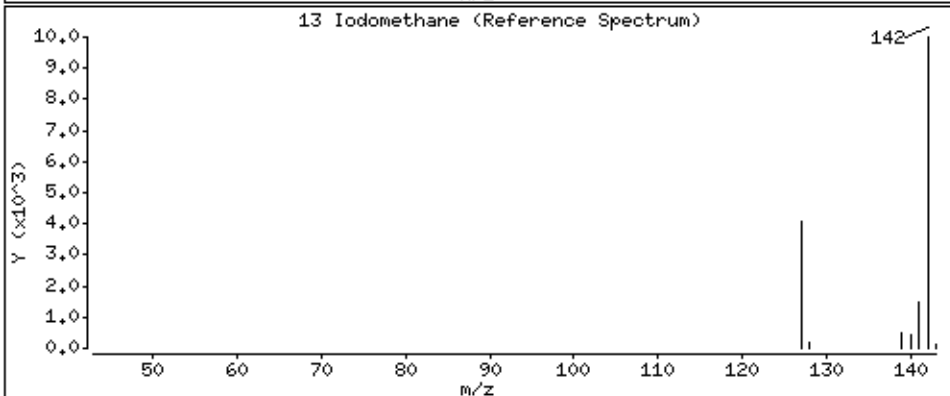
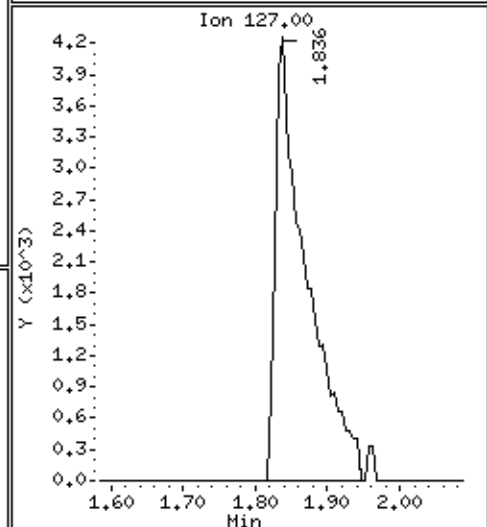
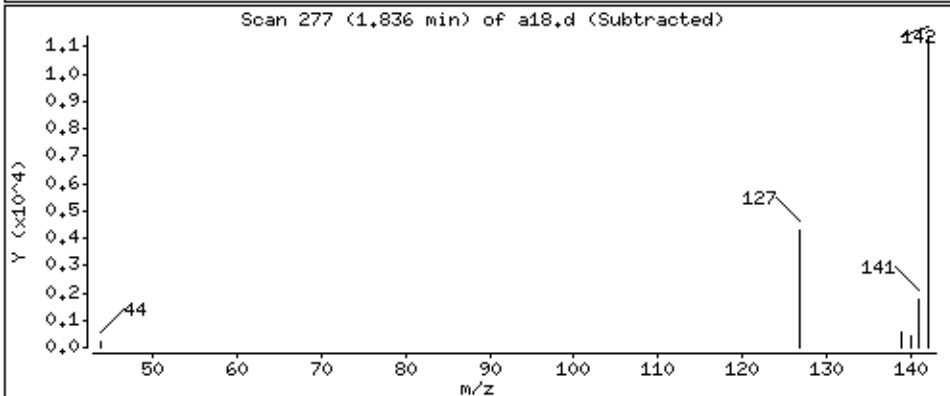
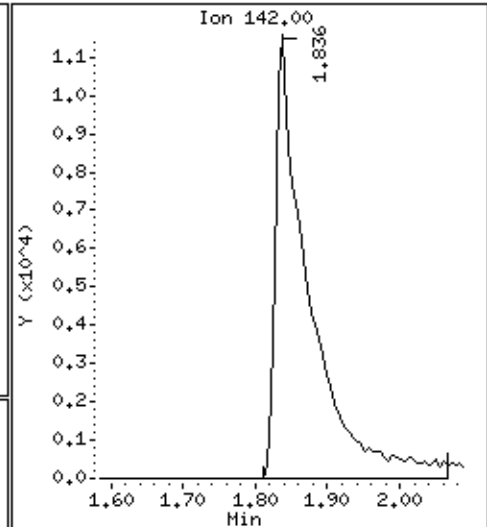
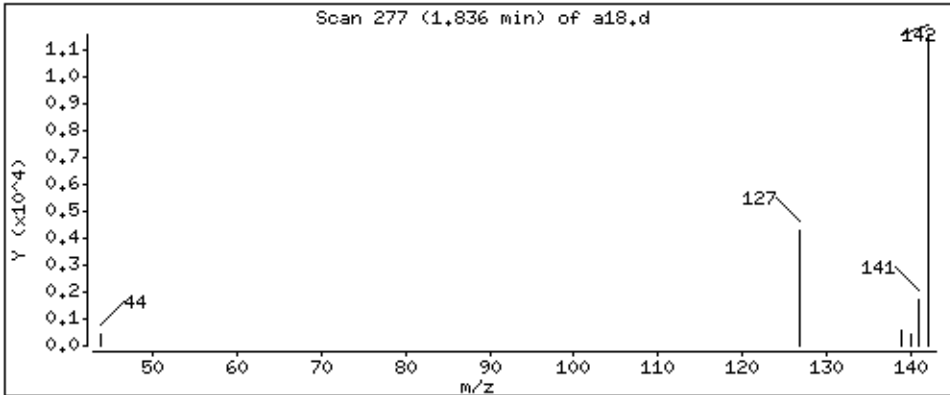
Column phase: DB-624

Column diameter: 0,18

13 Iodomethane

Concentration: 105 ppb

Review Code:



Date : 02-JUL-2014 19:16

Client ID: THW-5(12-14)HSD

Instrument: 50mv3a.i

Sample Info: 1122049,71089;5

Operator: jlz

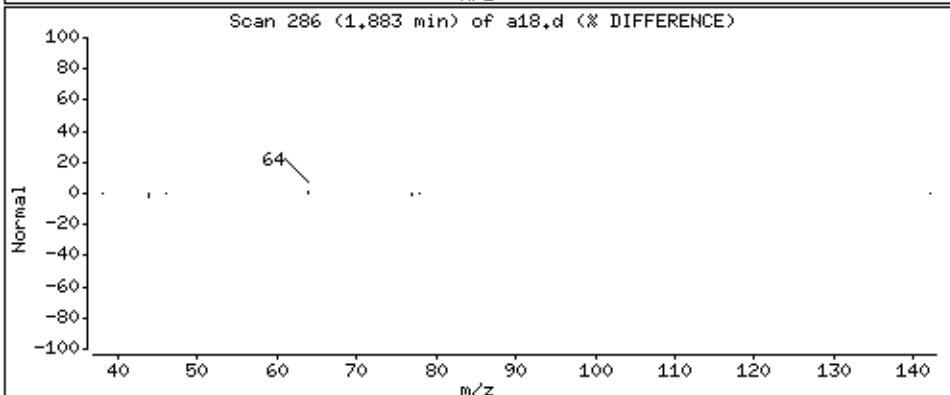
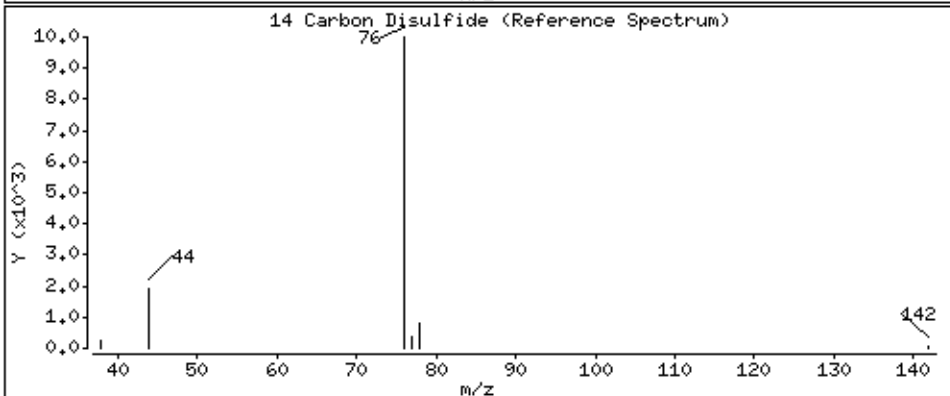
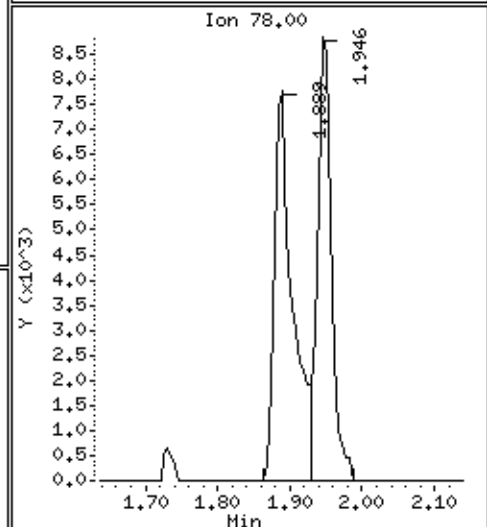
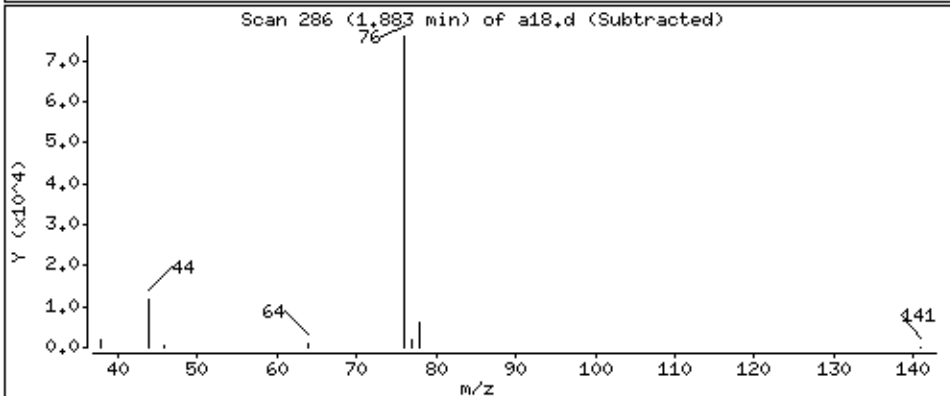
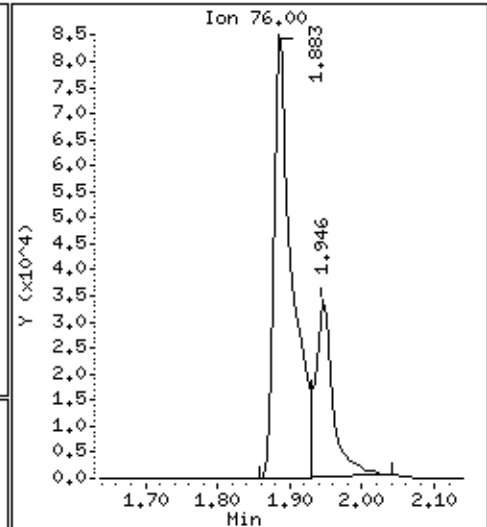
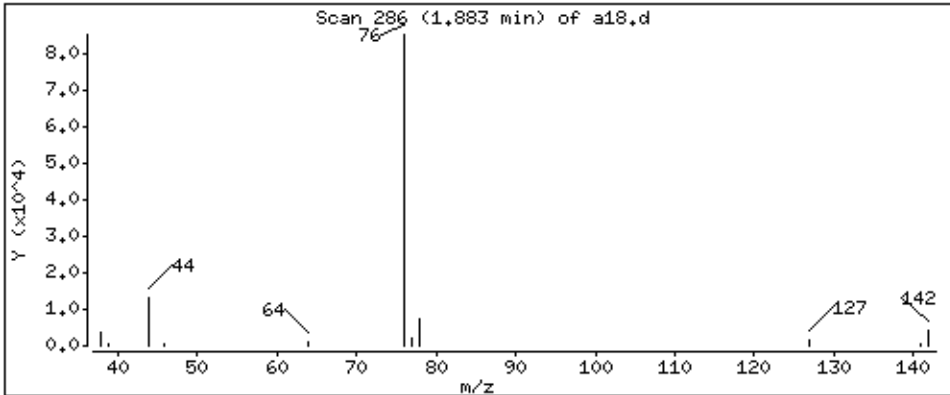
Column phase: DB-624

Column diameter: 0,18

14 Carbon Disulfide

Concentration: 97.7 ppb

Review Code:



Date : 02-JUL-2014 19:16

Client ID: THW-5(12-14)HSD

Instrument: 50mv3a.i

Sample Info: 1122049,71089;5

Operator: jlz

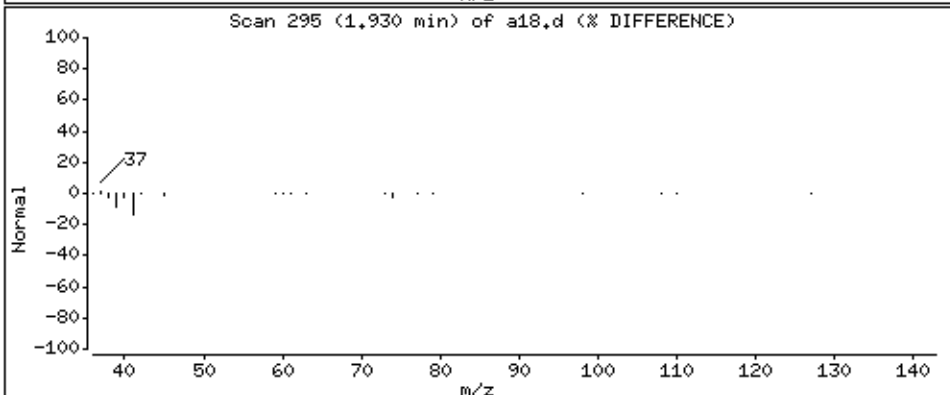
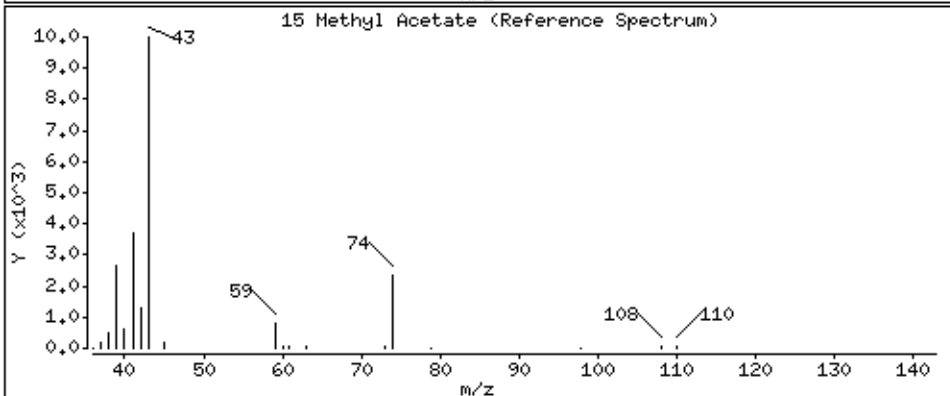
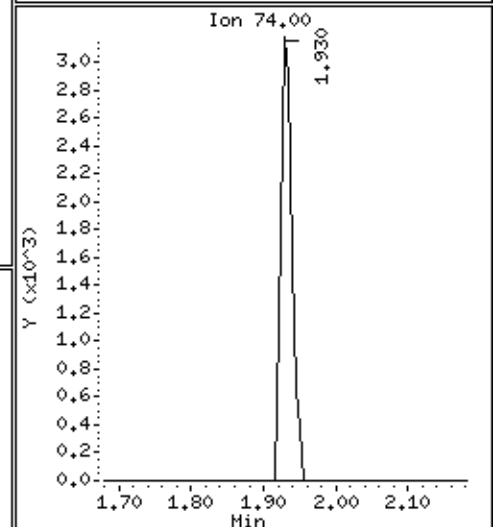
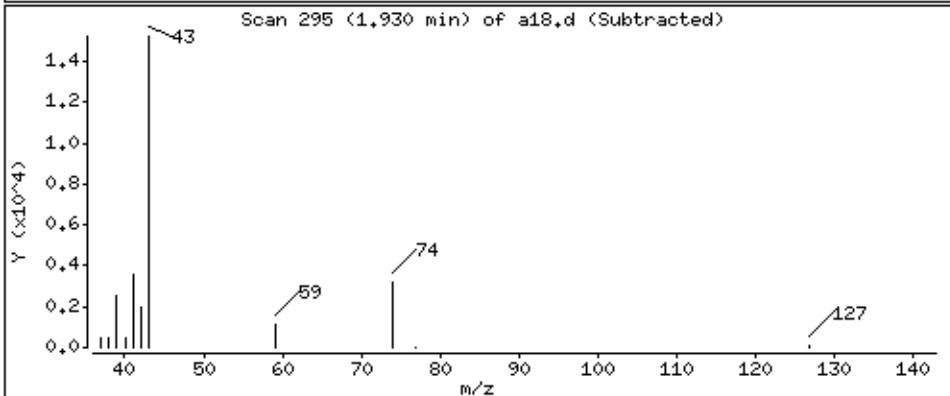
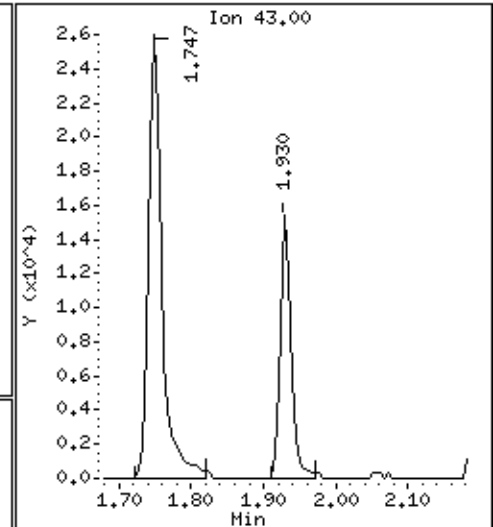
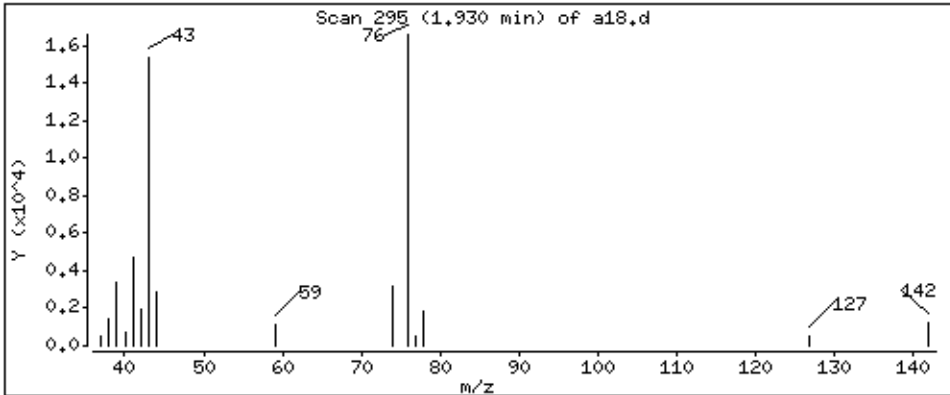
Column phase: DB-624

Column diameter: 0,18

15 Methyl Acetate

Concentration: 77,7 ppb

Review Code:



Date : 02-JUL-2014 19:16

Client ID: THW-5(12-14)HSD

Instrument: 50mv3a.i

Sample Info: 1122049,71089;5

Operator: jlz

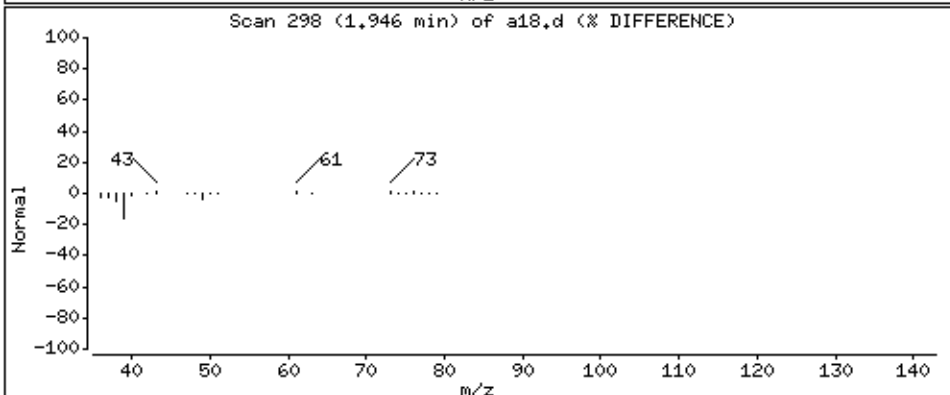
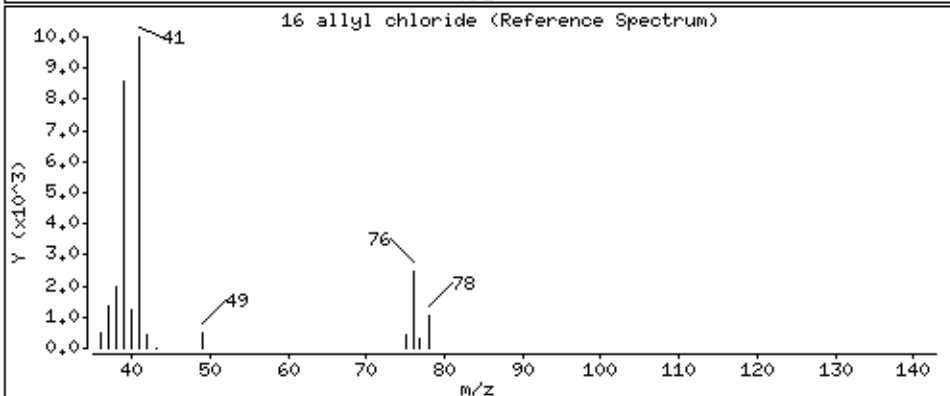
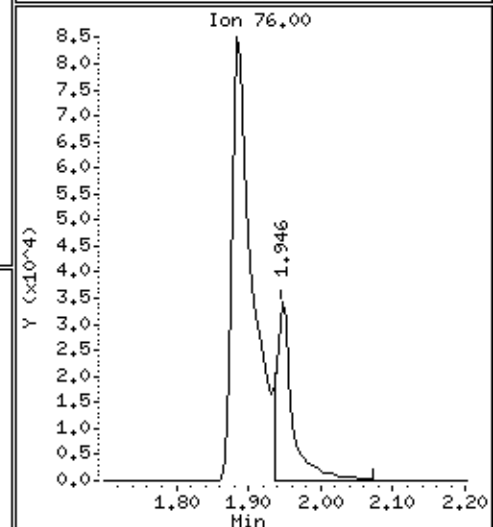
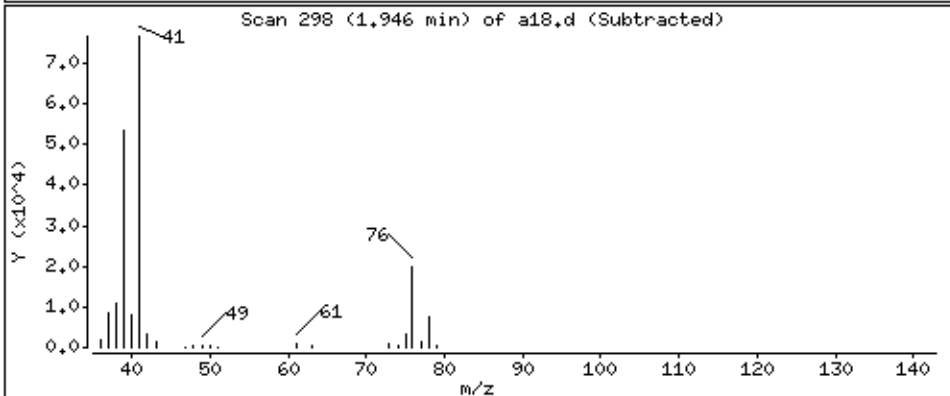
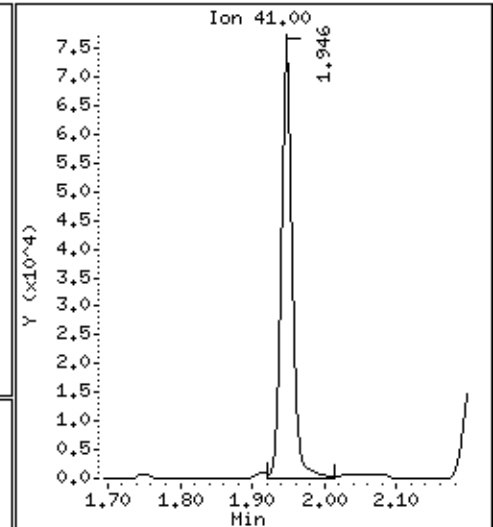
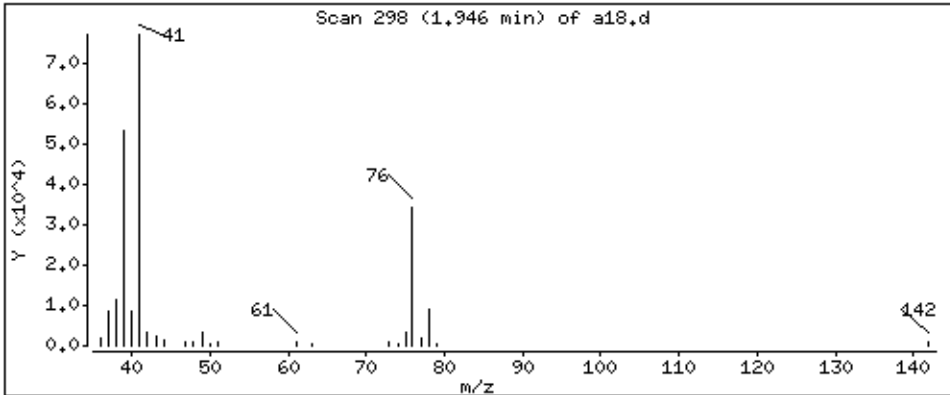
Column phase: DB-624

Column diameter: 0,18

16 allyl chloride

Concentration: 101 ppb

Review Code:



Date : 02-JUL-2014 19:16

Client ID: THW-5(12-14)HSD

Instrument: 50mv3a.i

Sample Info: 1122049,71089;5

Operator: jlz

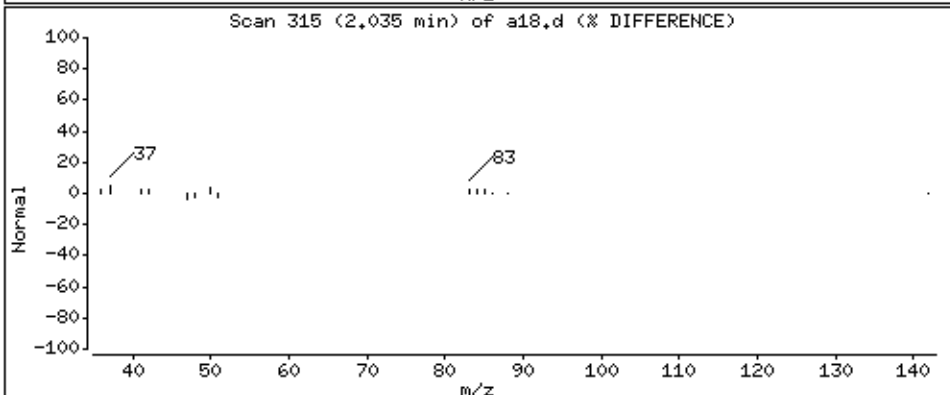
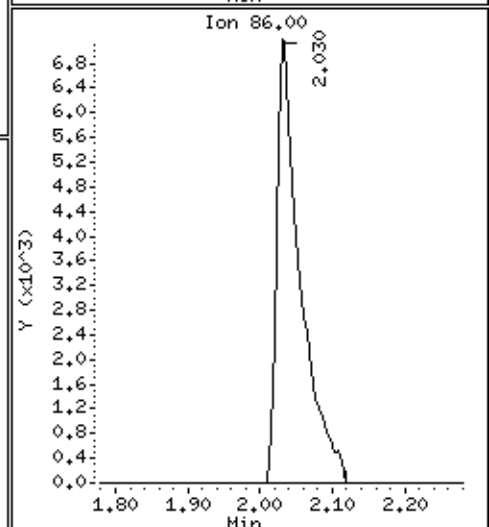
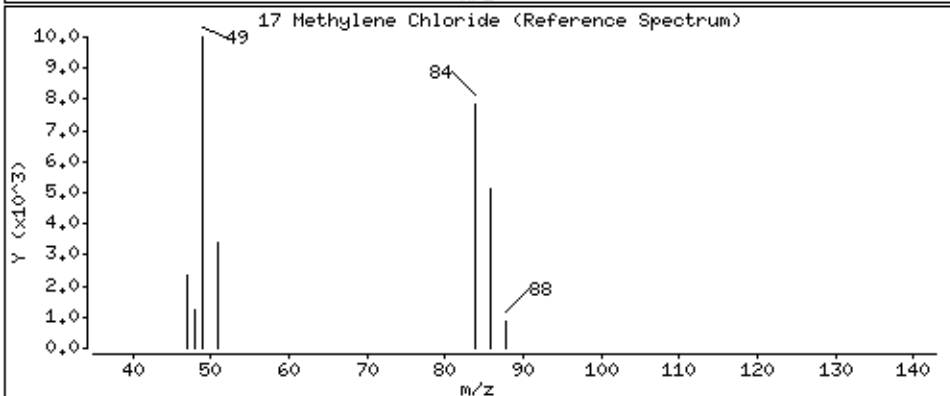
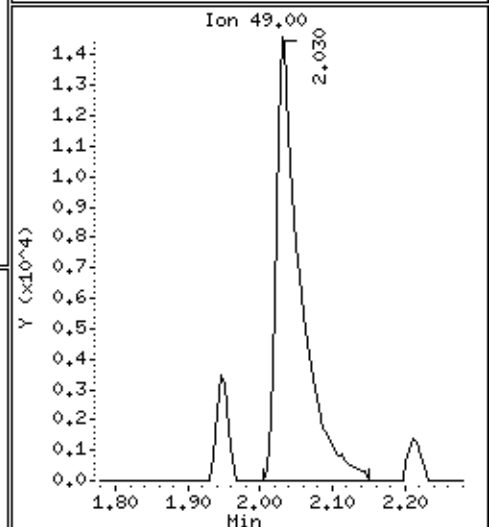
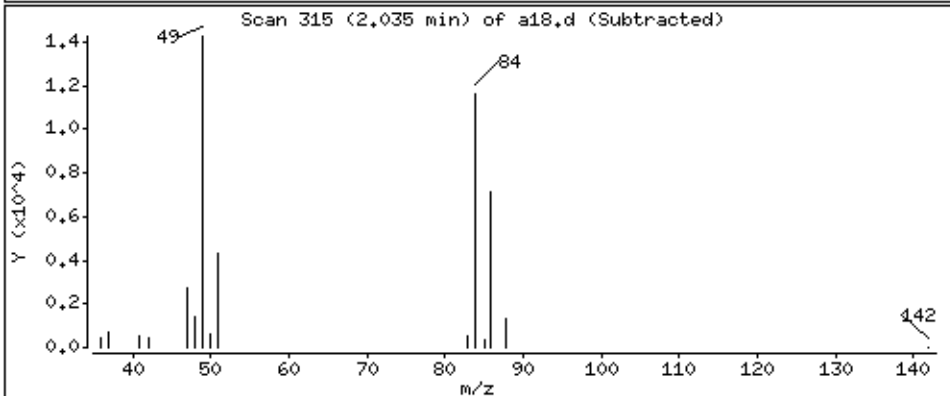
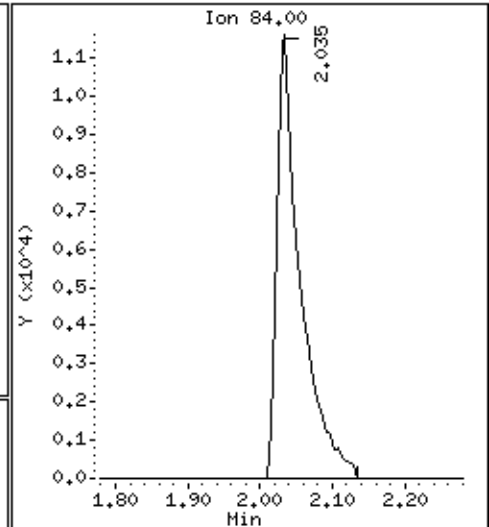
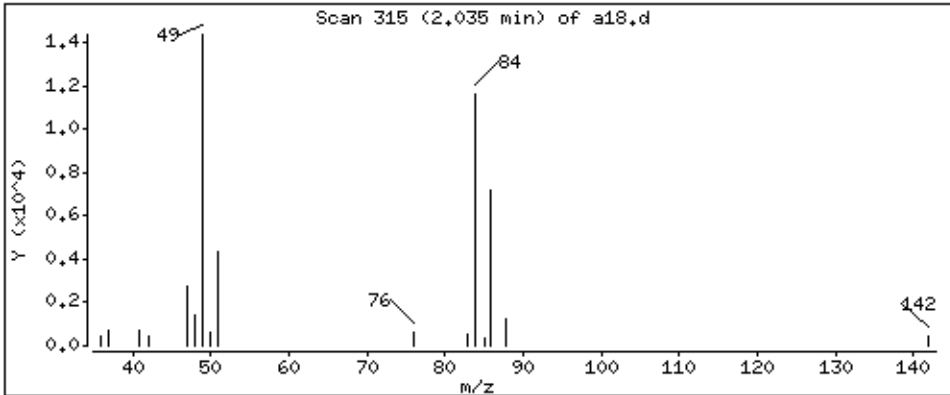
Column phase: DB-624

Column diameter: 0,18

17 Methylene Chloride

Concentration: 35,6 ppb

Review Code:



Date : 02-JUL-2014 19:16

Client ID: THW-5(12-14)HSD

Instrument: 50mv3a.i

Sample Info: 1122049,71089;5

Operator: jlz

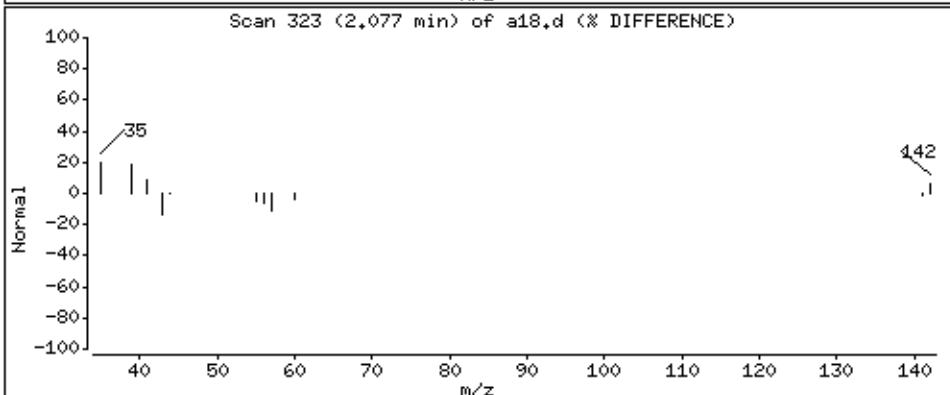
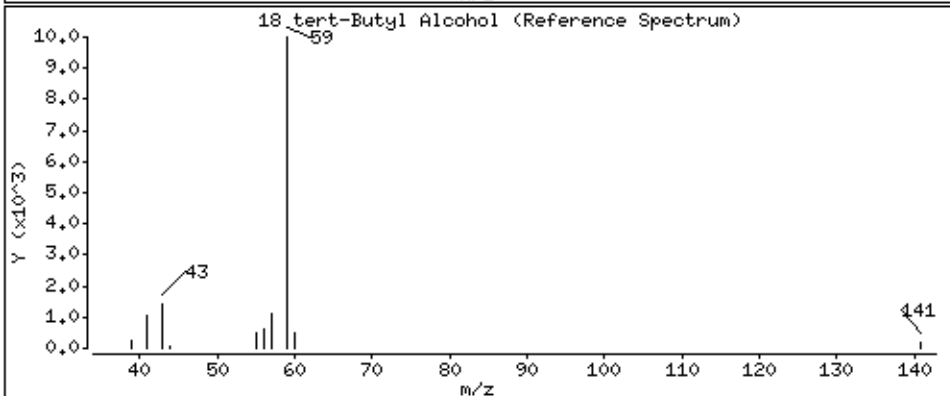
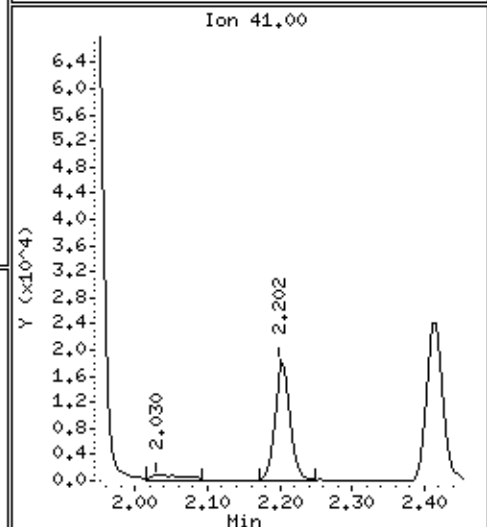
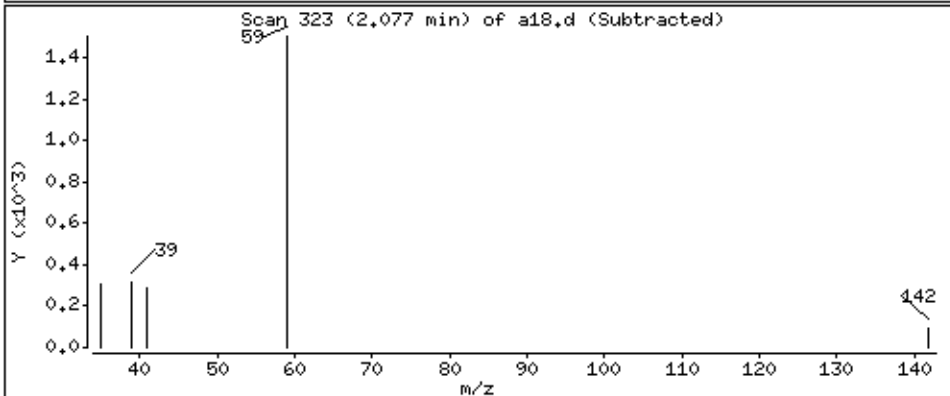
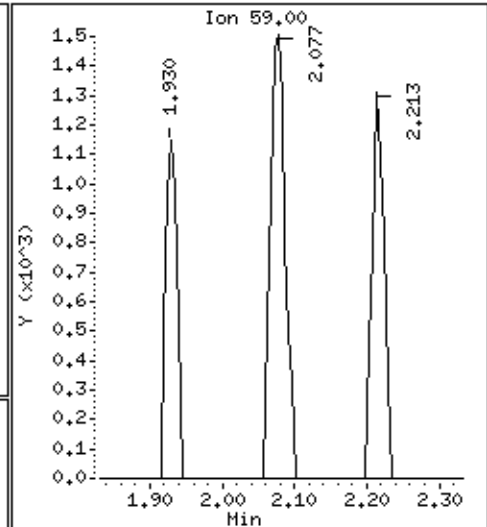
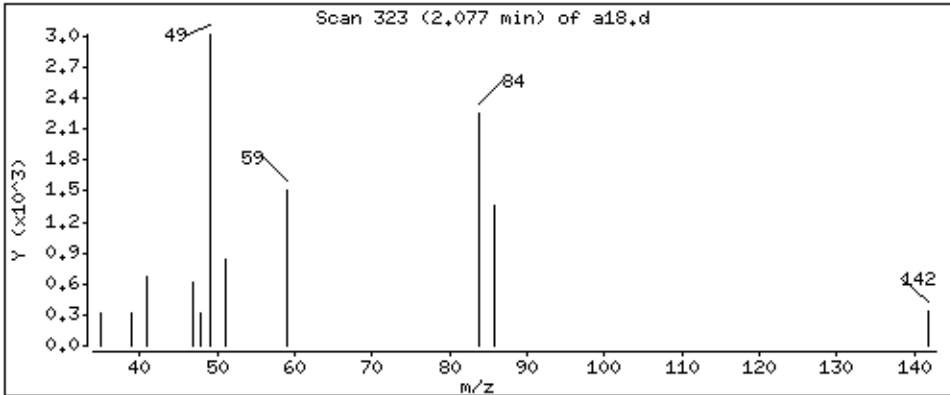
Column phase: DB-624

Column diameter: 0,18

18 tert-Butyl Alcohol

Concentration: 110 ppb

Review Code:



Date : 02-JUL-2014 19:16

Client ID: THW-5(12-14)HSD

Instrument: 50mv3a.i

Sample Info: 1122049,71089;5

Operator: jlz

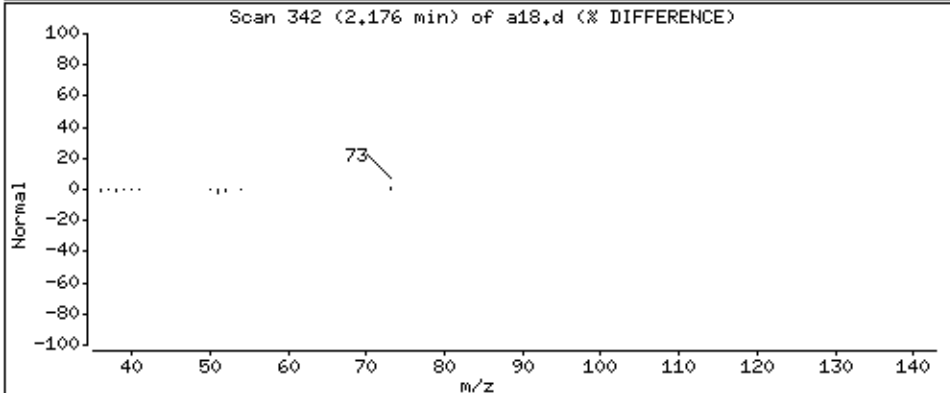
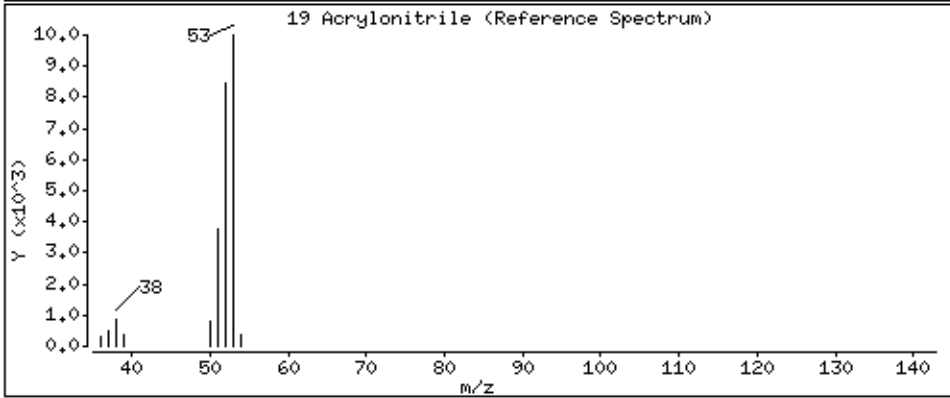
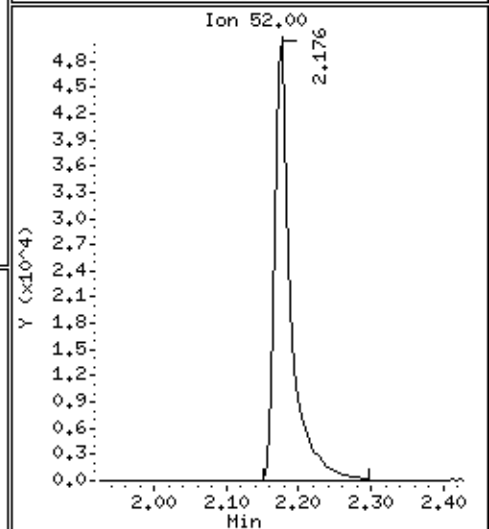
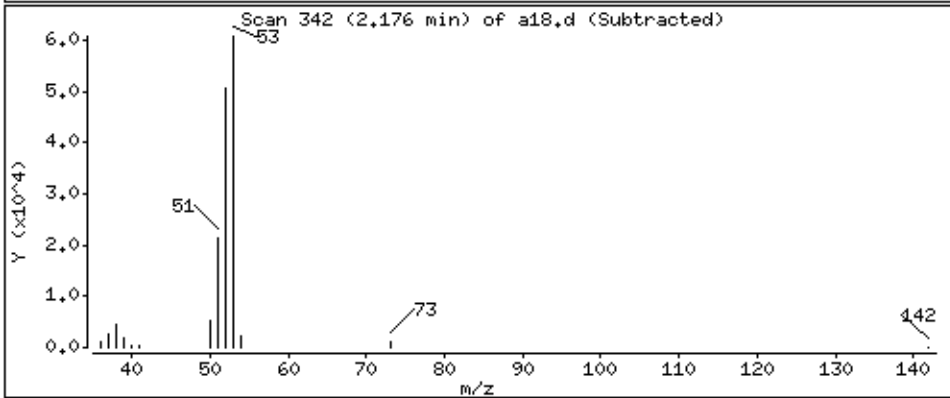
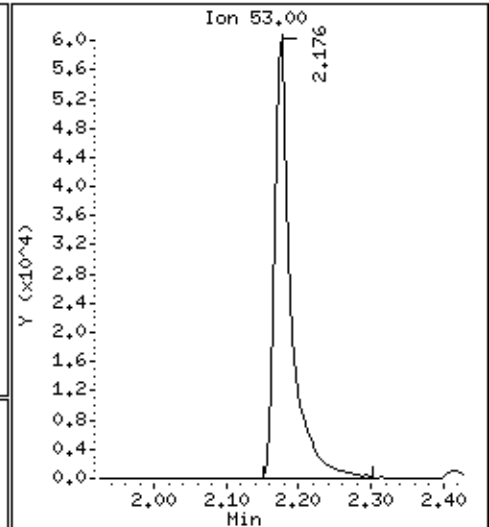
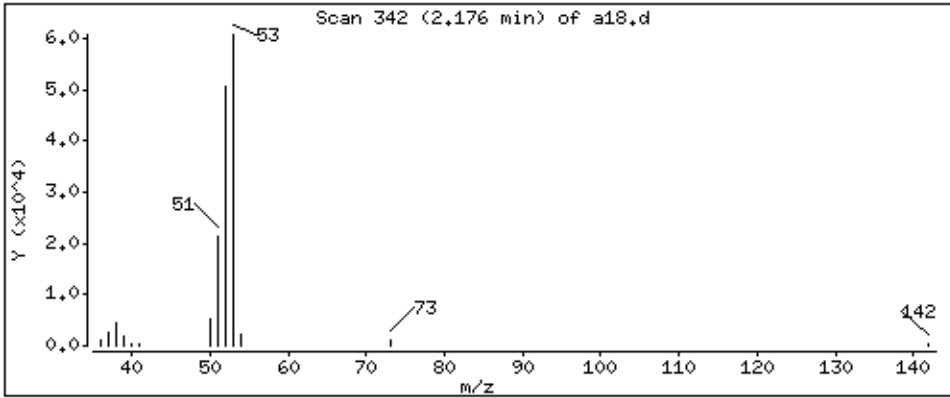
Column phase: DB-624

Column diameter: 0,18

19 Acrylonitrile

Concentration: 922 ppb

Review Code:



Date : 02-JUL-2014 19:16

Client ID: THW-5(12-14)HSD

Instrument: 50mv3a.i

Sample Info: 1122049,71089;5

Operator: jlz

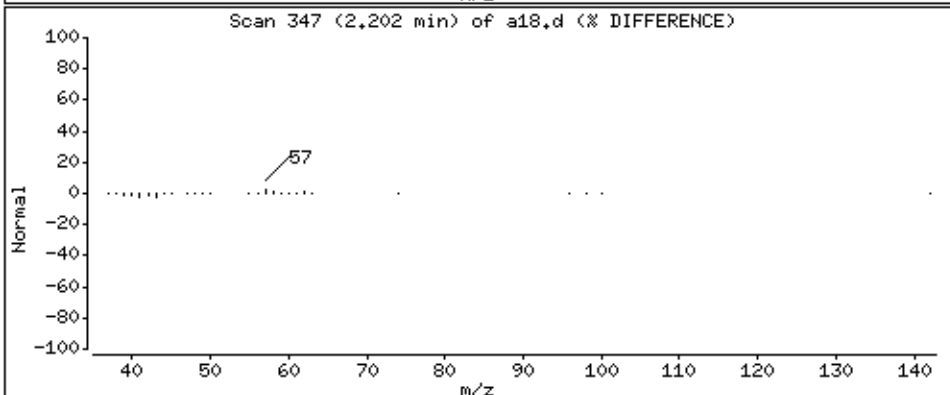
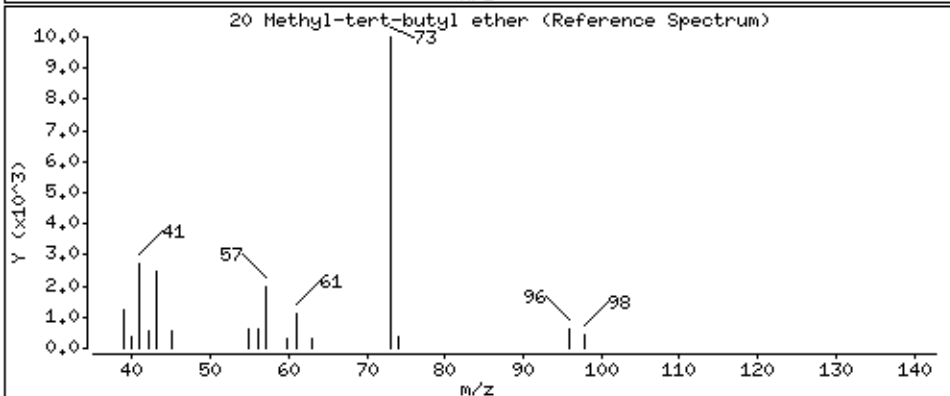
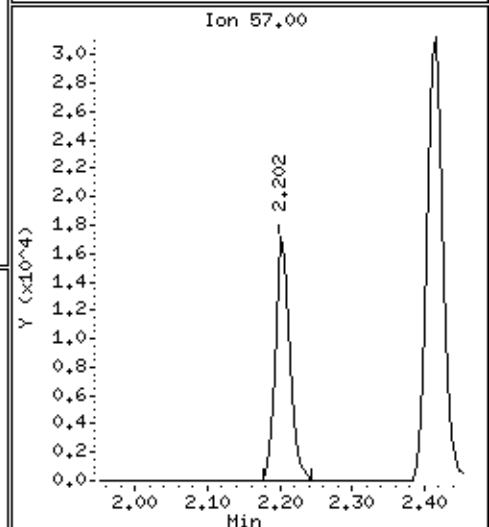
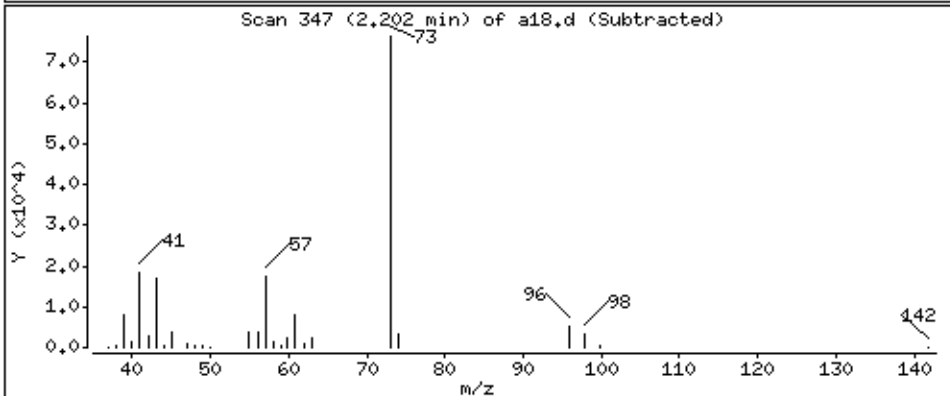
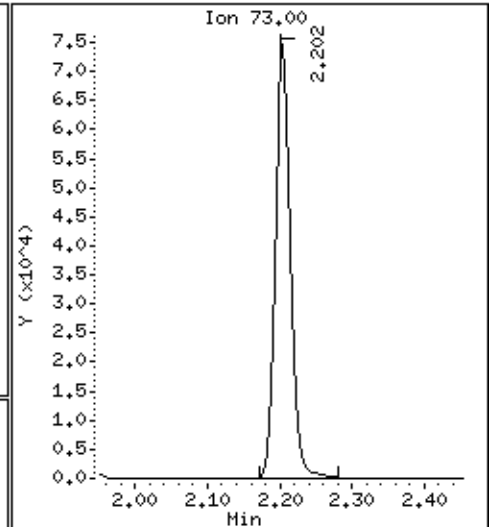
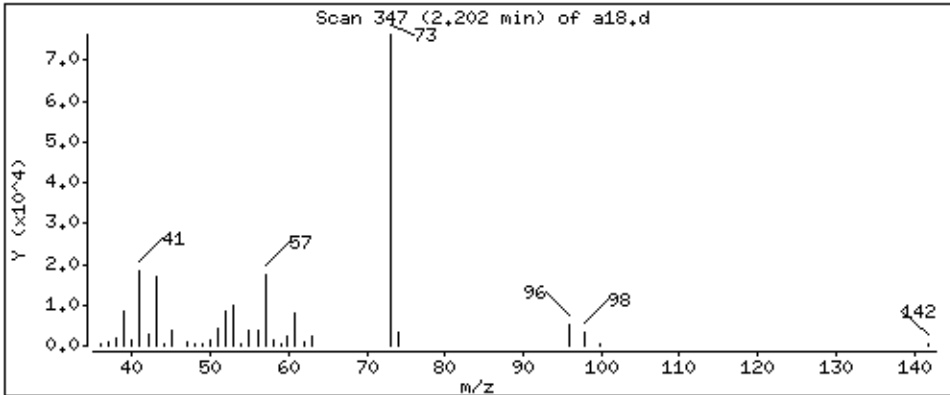
Column phase: DB-624

Column diameter: 0,18

20 Methyl-tert-butyl ether

Concentration: 89,6 ppb

Review Code:



Date : 02-JUL-2014 19:16

Client ID: THW-5(12-14)HSD

Instrument: 50mv3a.i

Sample Info: 1122049,71089;5

Operator: jlz

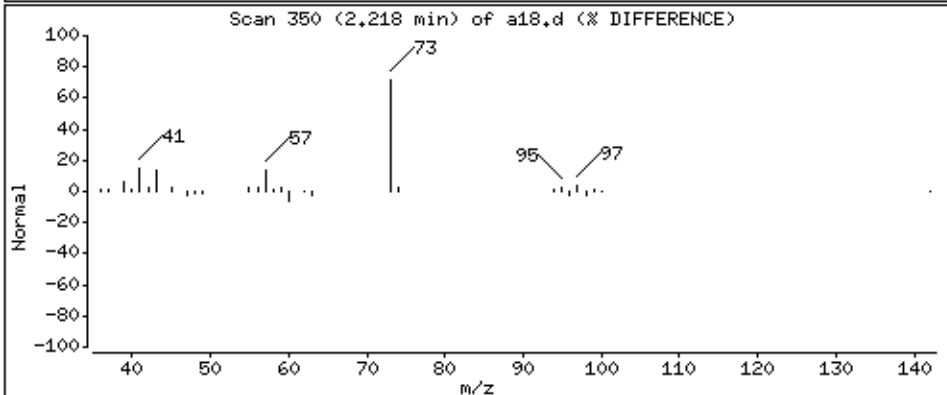
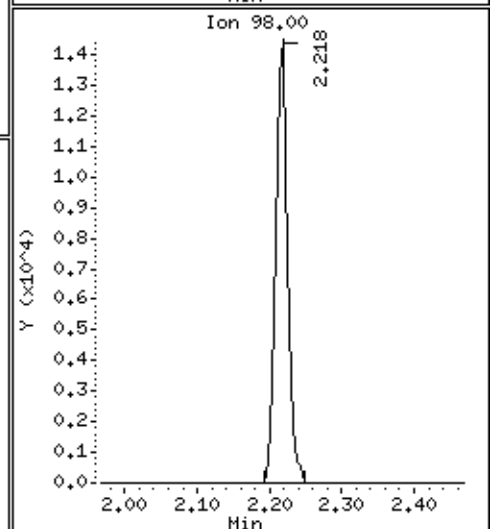
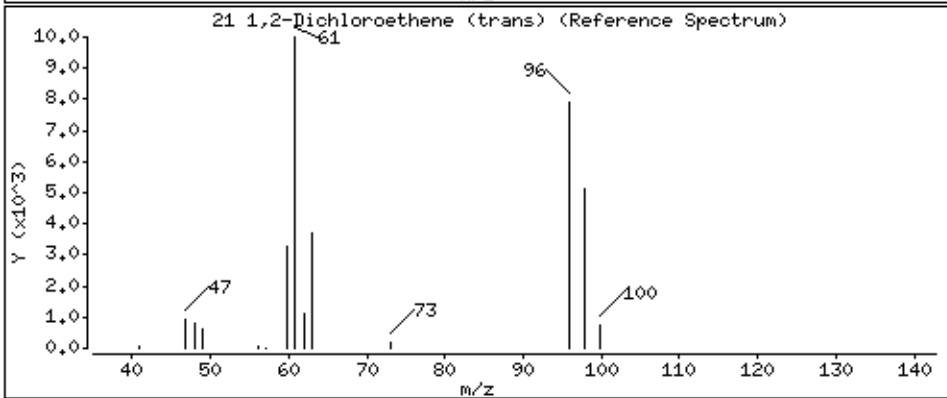
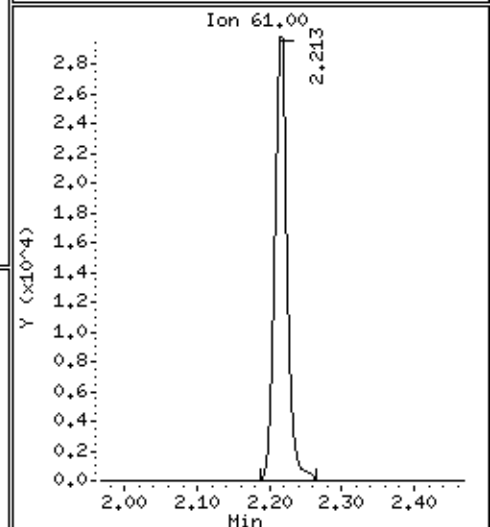
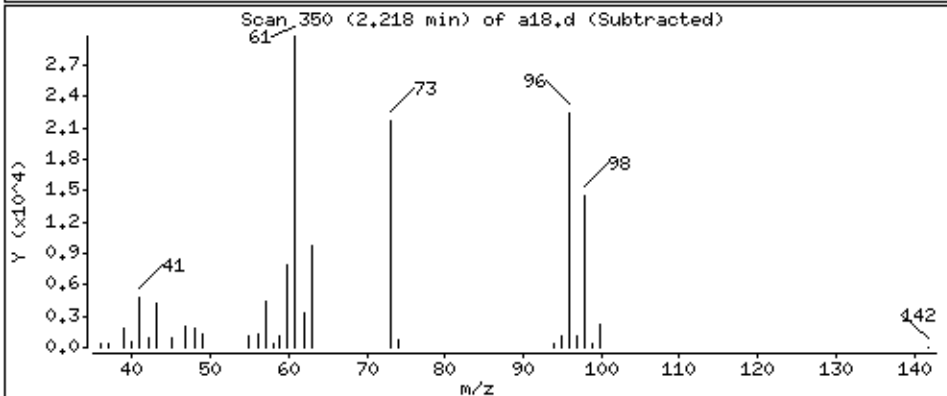
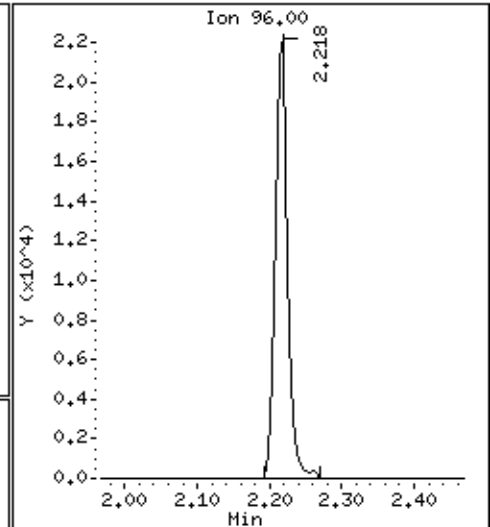
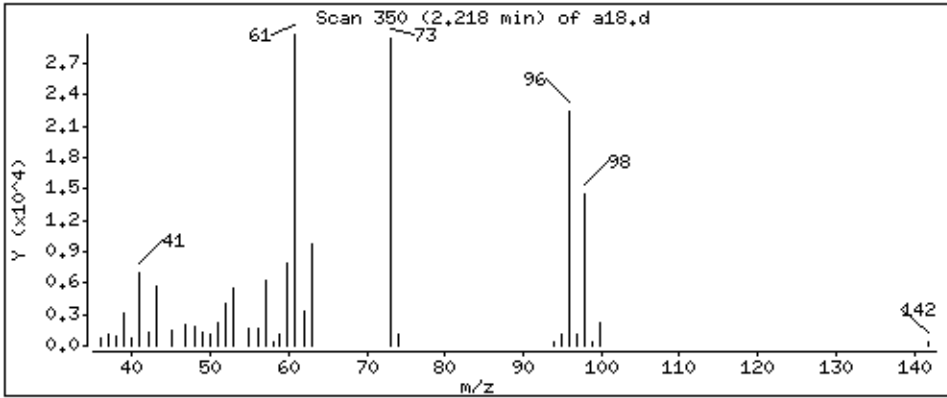
Column phase: DB-624

Column diameter: 0,18

21 1,2-Dichloroethene (trans)

Concentration: 44,1 ppb

Review Code:



Date : 02-JUL-2014 19:16

Client ID: THW-5(12-14)HSD

Instrument: 50mv3a.i

Sample Info: 1122049,71089;5

Operator: jlz

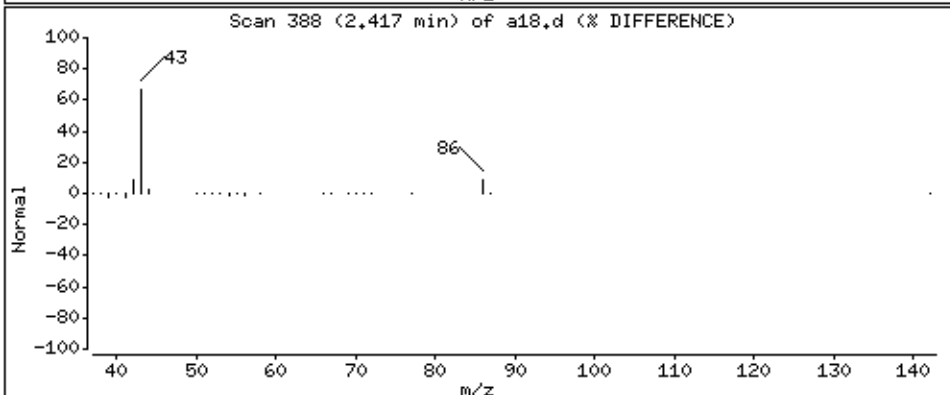
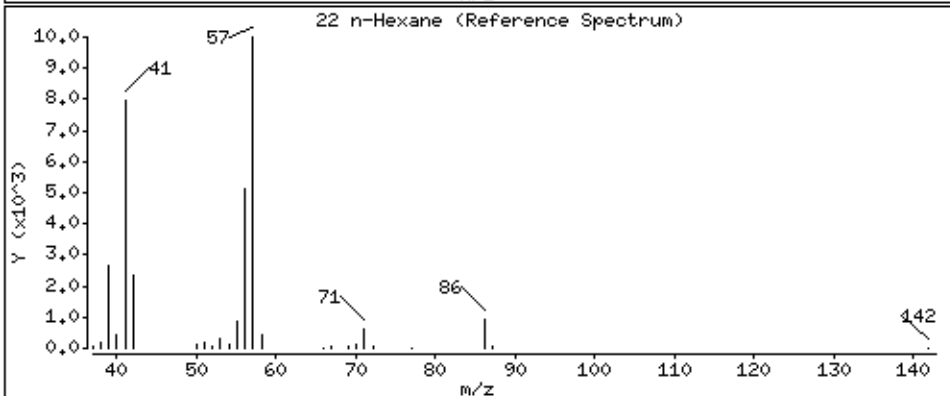
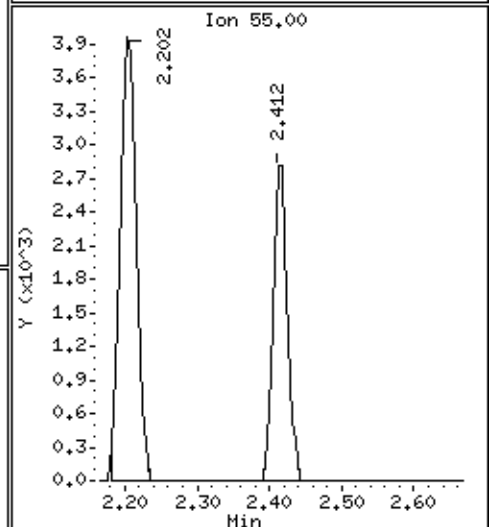
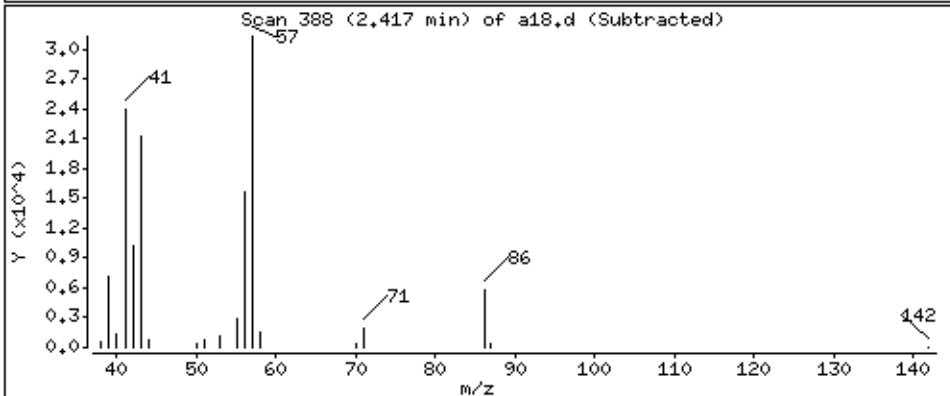
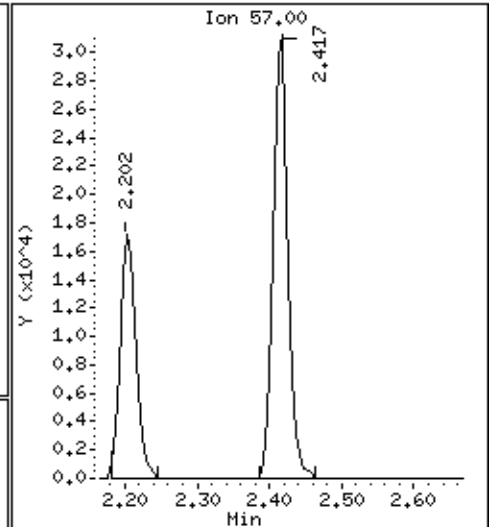
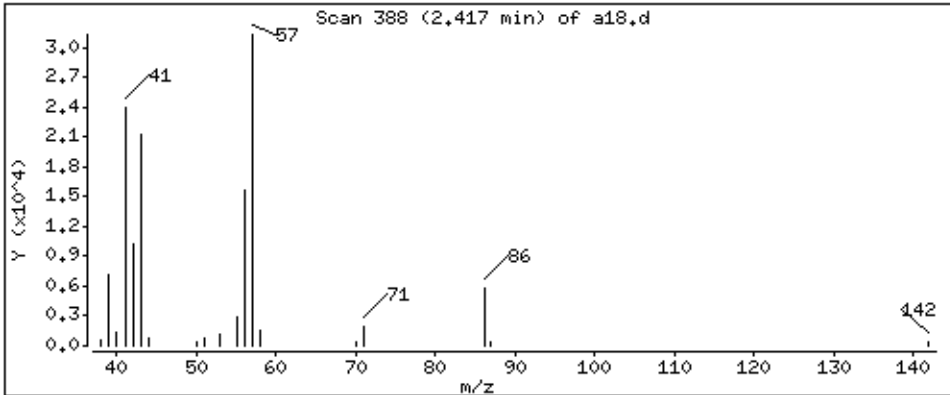
Column phase: DB-624

Column diameter: 0,18

22 n-Hexane

Concentration: 42.4 ppb

Review Code:



Date : 02-JUL-2014 19:16

Client ID: THW-5(12-14)HSD

Instrument: 50mv3a.i

Sample Info: 1122049,71089;5

Operator: jlz

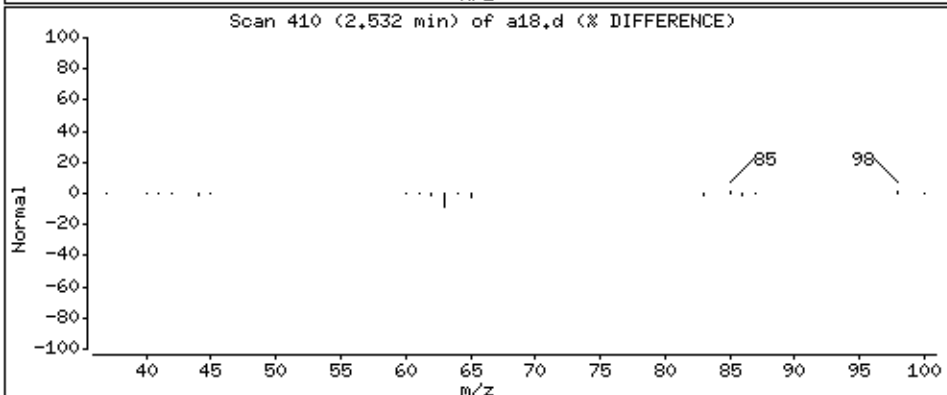
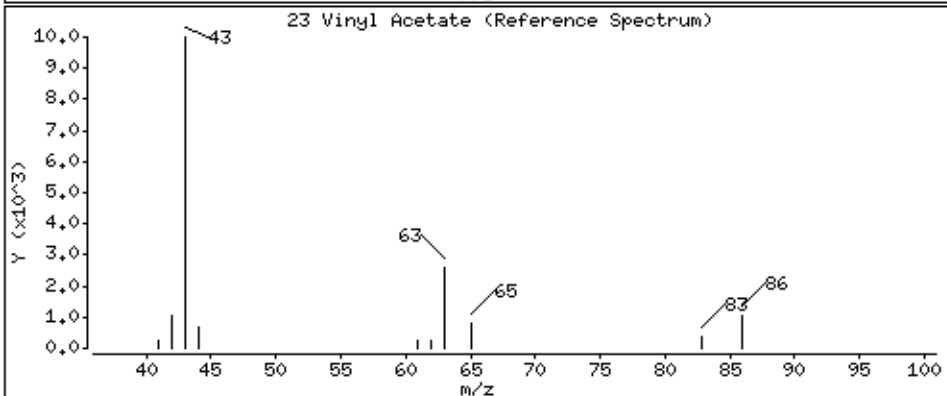
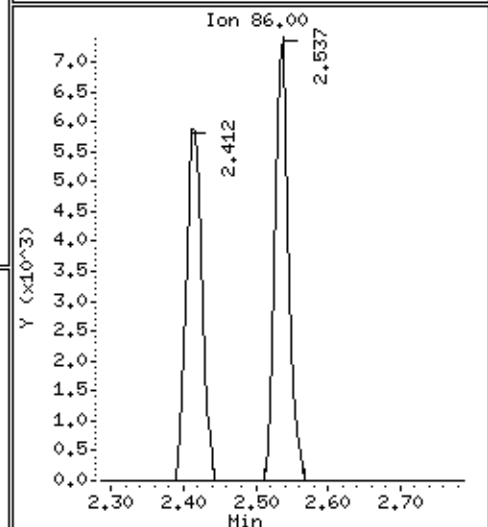
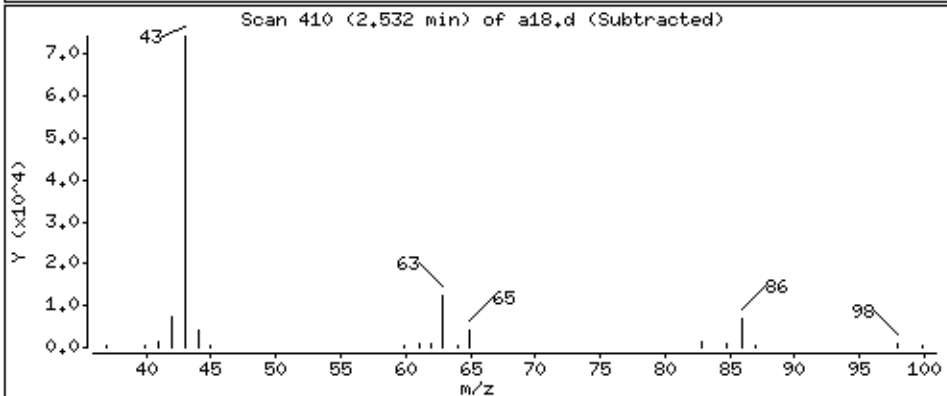
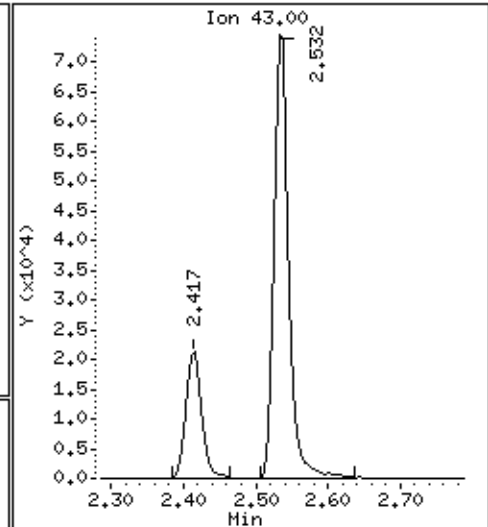
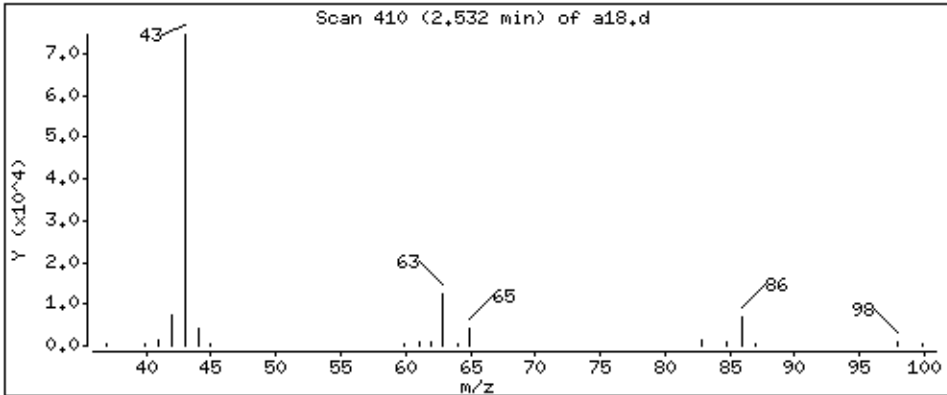
Column phase: DB-624

Column diameter: 0,18

23 Vinyl Acetate

Concentration: 150 ppb

Review Code:



Date : 02-JUL-2014 19:16

Client ID: THW-5(12-14)HSD

Instrument: 50mv3a.i

Sample Info: 1122049,71089;5

Operator: jlz

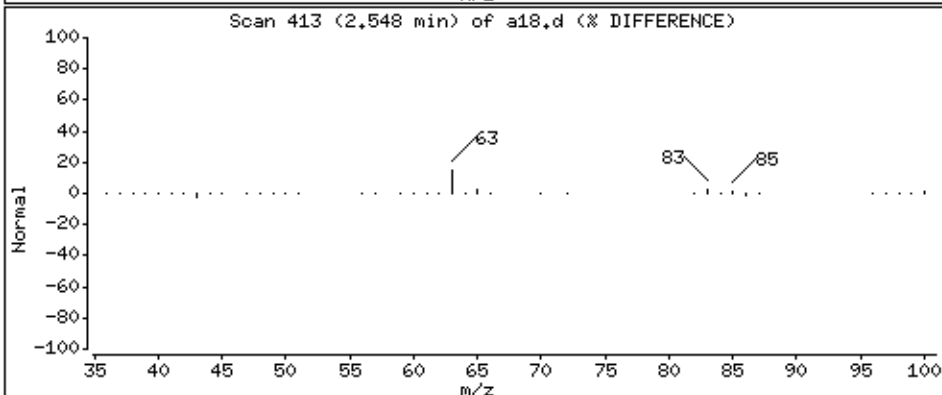
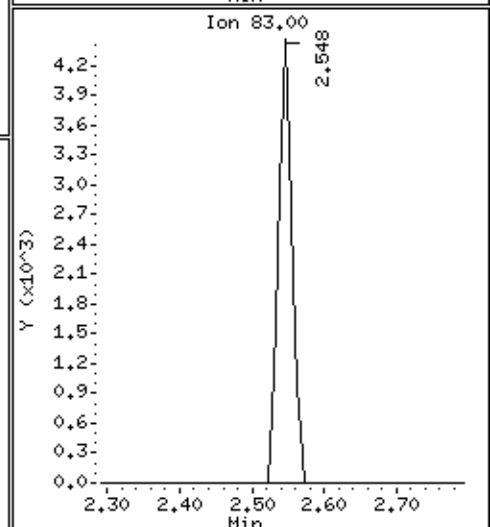
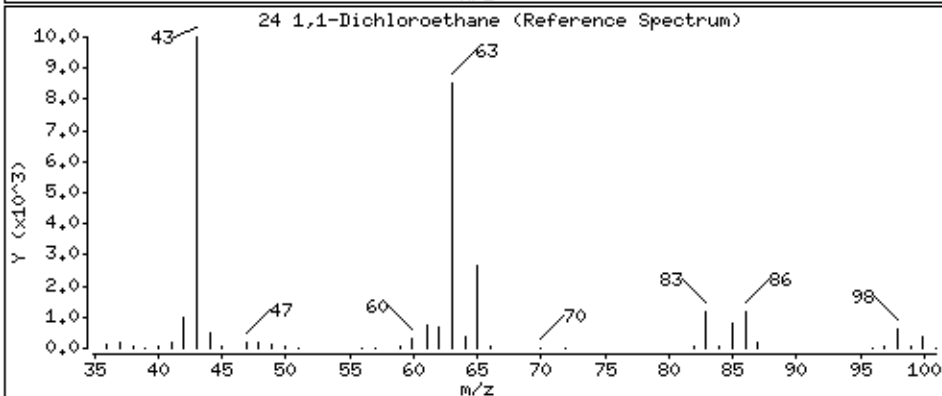
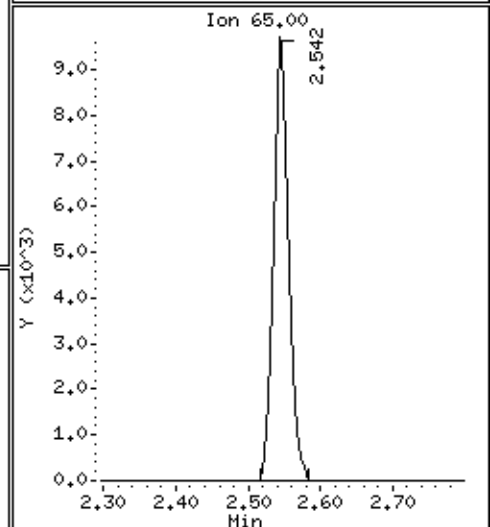
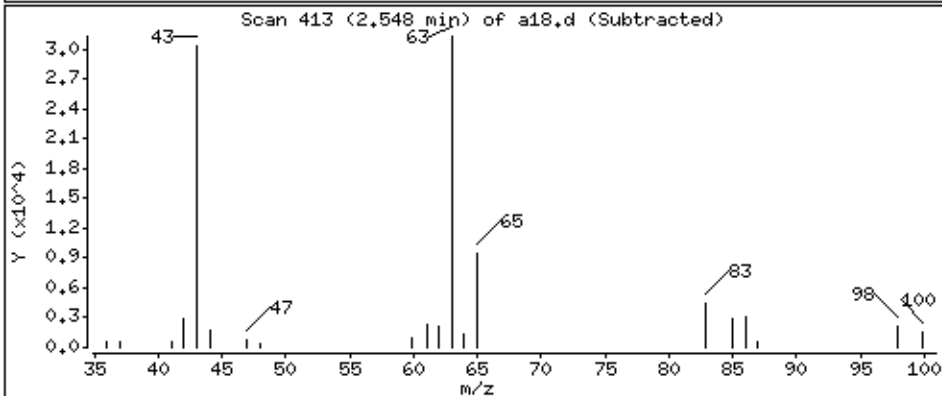
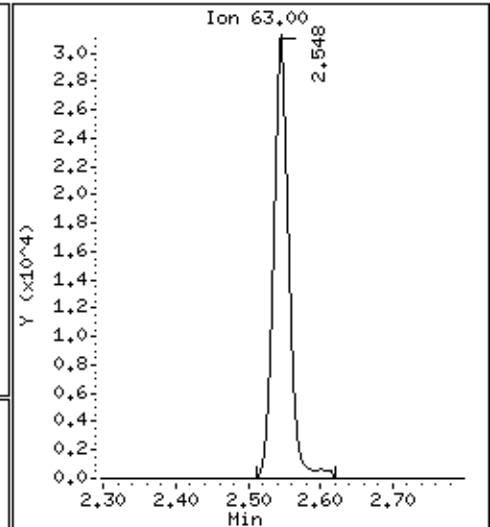
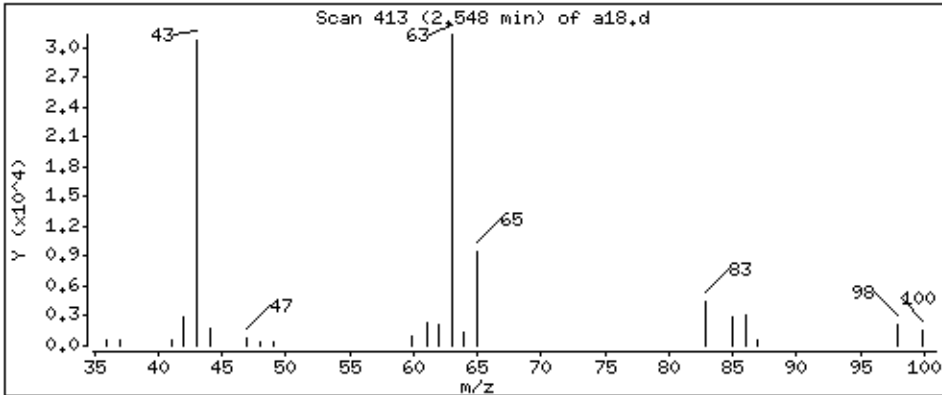
Column phase: DB-624

Column diameter: 0,18

24 1,1-Dichloroethane

Concentration: 45,0 ppb

Review Code:



Date : 02-JUL-2014 19:16

Client ID: THW-5(12-14)HSD

Instrument: 50mv3a.i

Sample Info: 1122049,71089;5

Operator: jlz

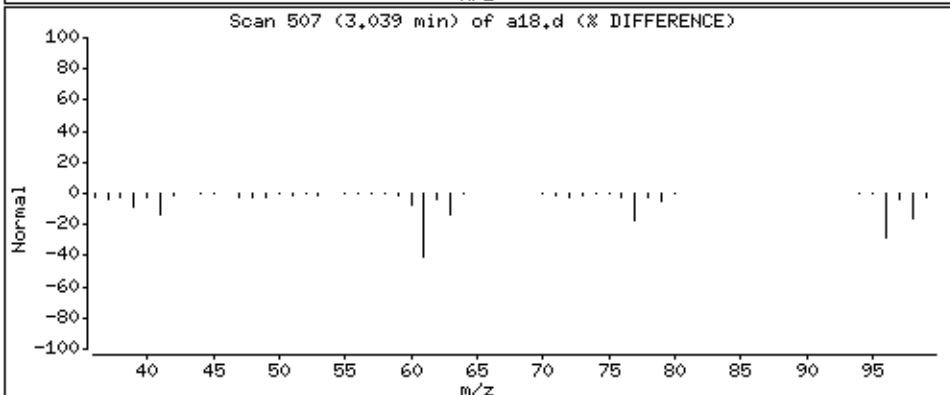
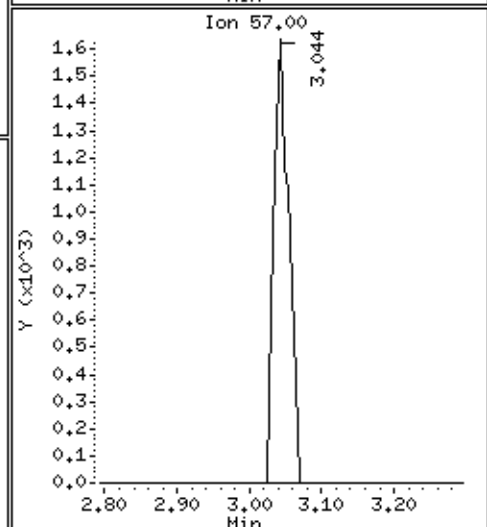
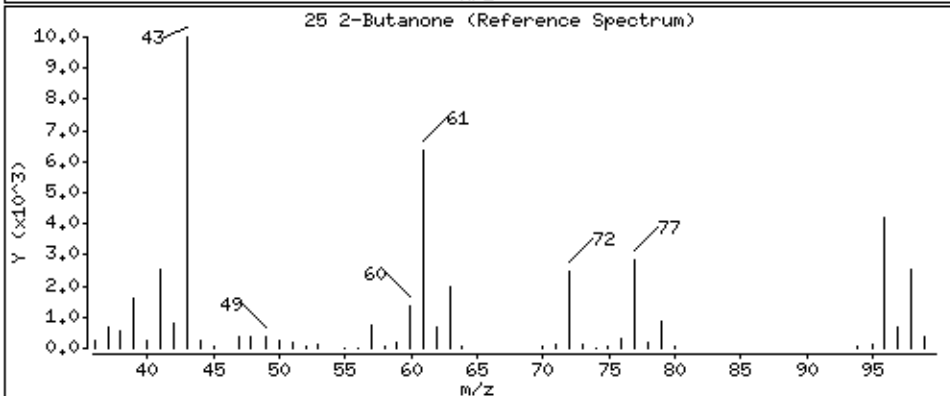
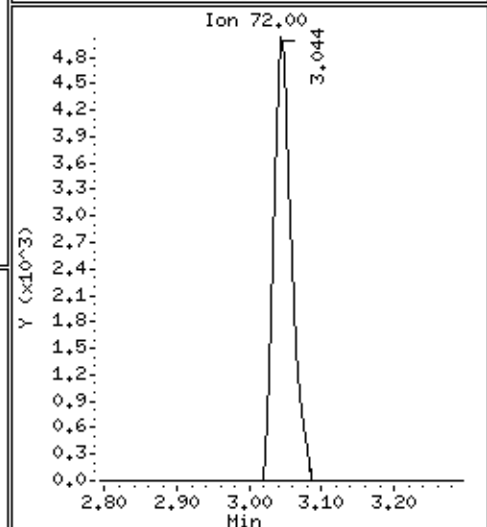
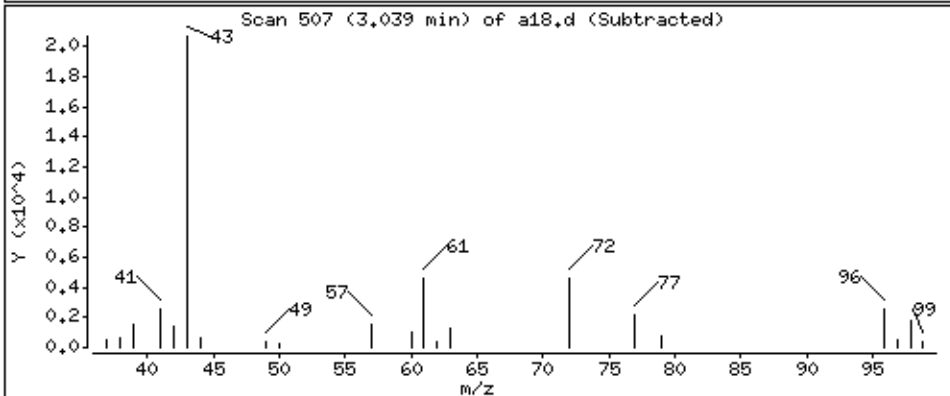
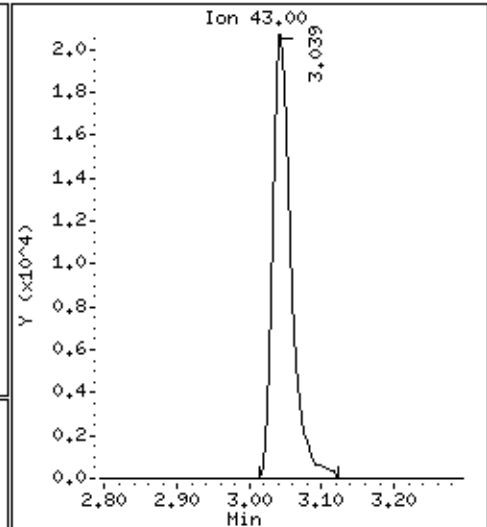
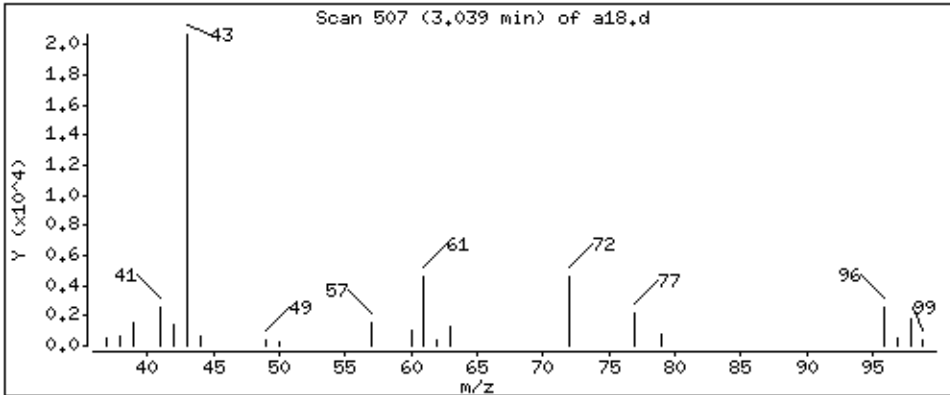
Column phase: DB-624

Column diameter: 0,18

25 2-Butanone

Concentration: 269 ppb

Review Code:



Date : 02-JUL-2014 19:16

Client ID: THW-5(12-14)HSD

Instrument: 50mv3a.i

Sample Info: 1122049,71089;5

Operator: jlz

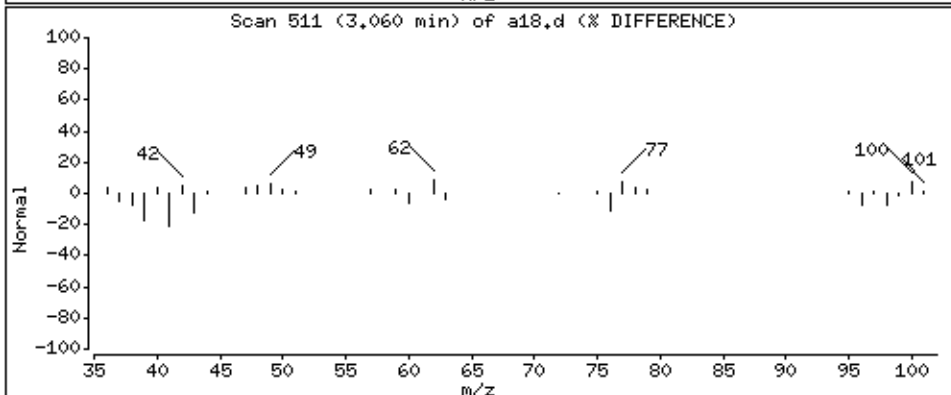
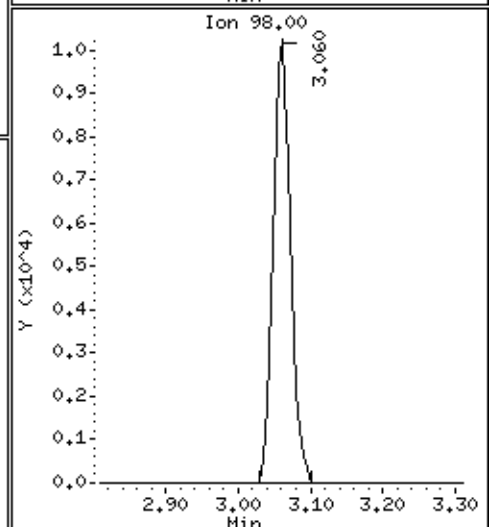
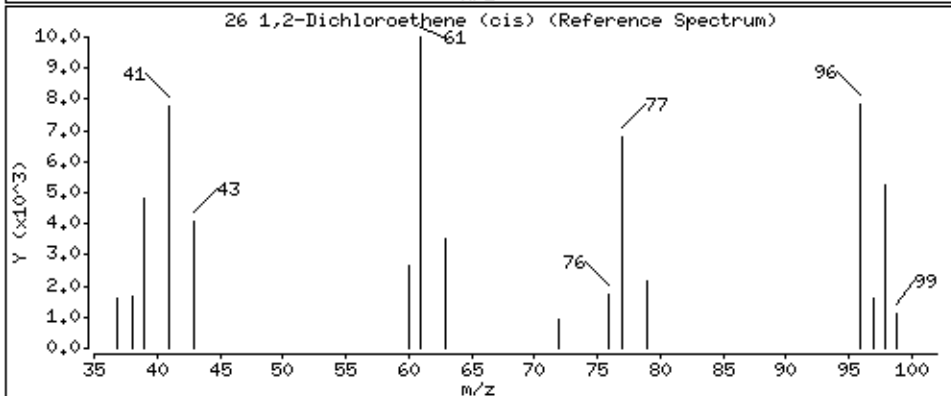
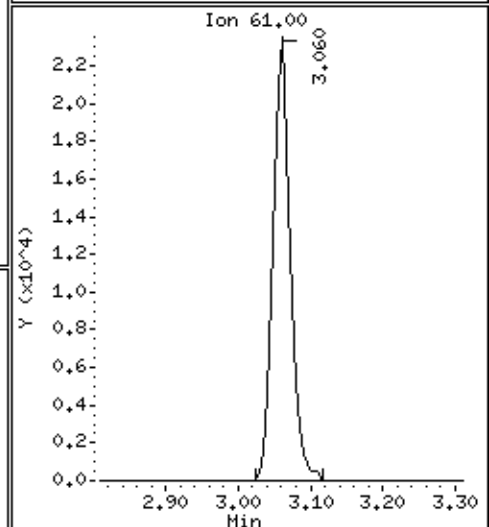
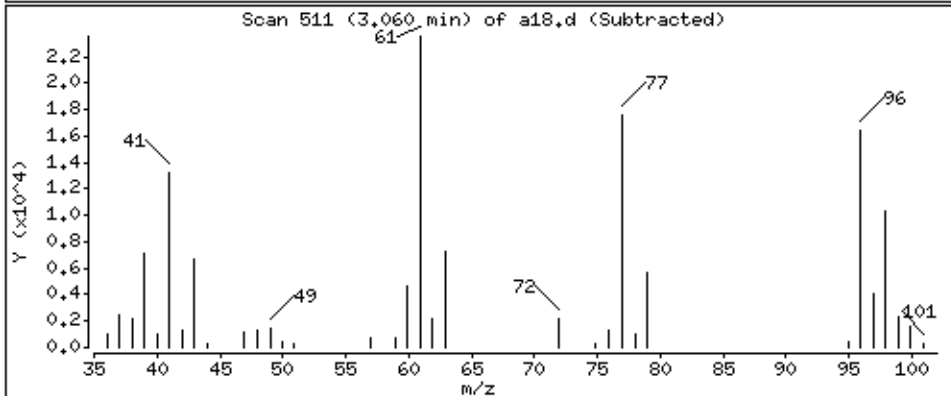
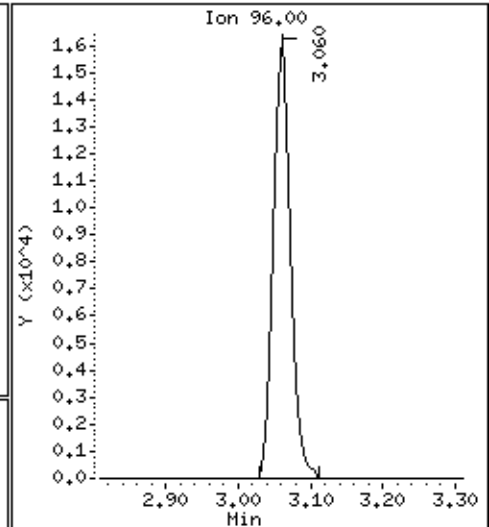
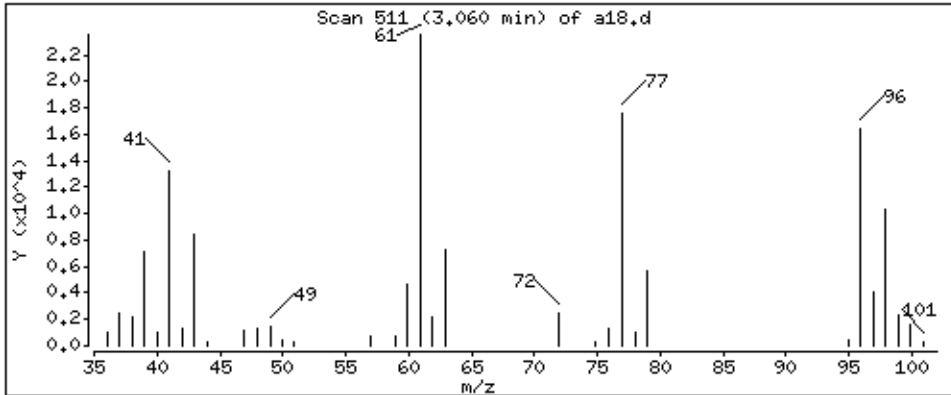
Column phase: DB-624

Column diameter: 0,18

26 1,2-Dichloroethene (cis)

Concentration: 43,7 ppb

Review Code:



Date : 02-JUL-2014 19:16

Client ID: THW-5(12-14)HSD

Instrument: 50mv3a.i

Sample Info: 1122049,71089;5

Operator: jlz

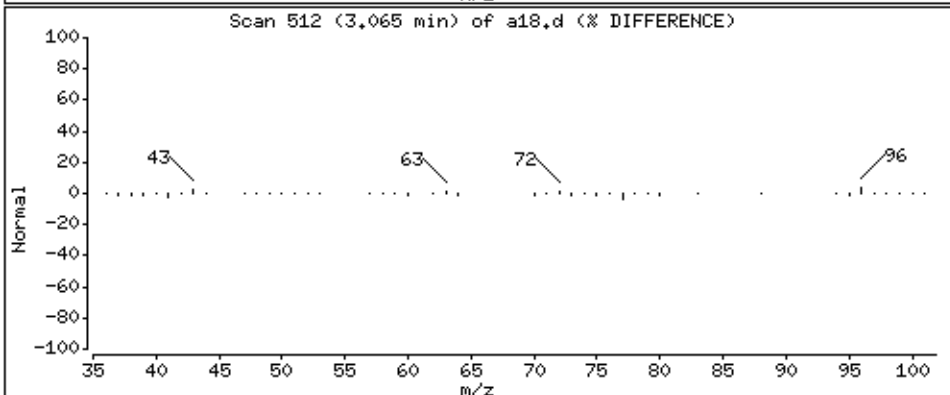
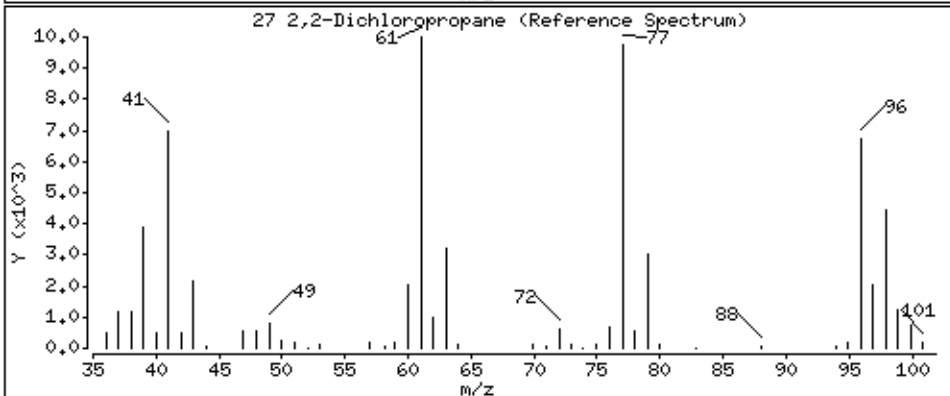
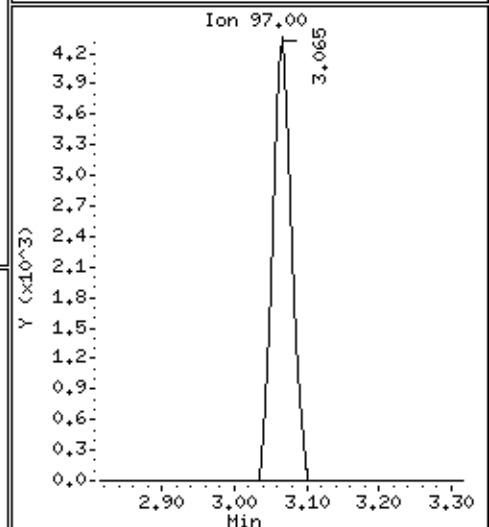
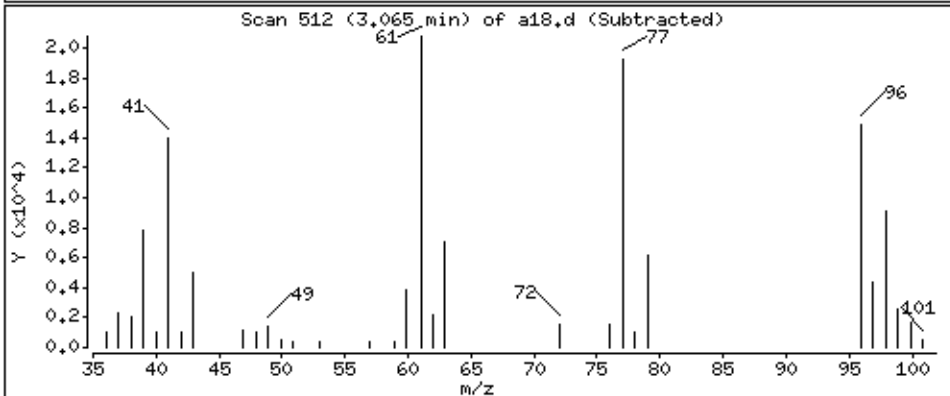
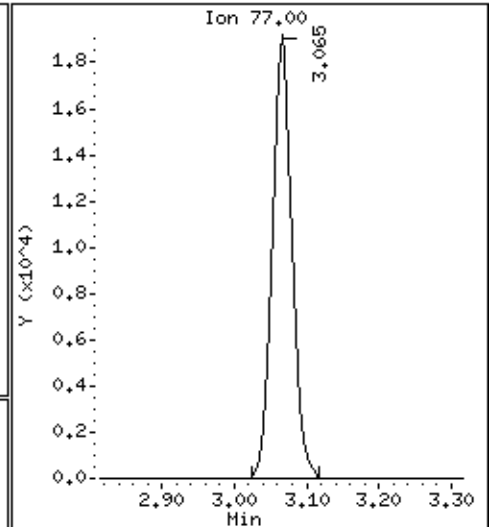
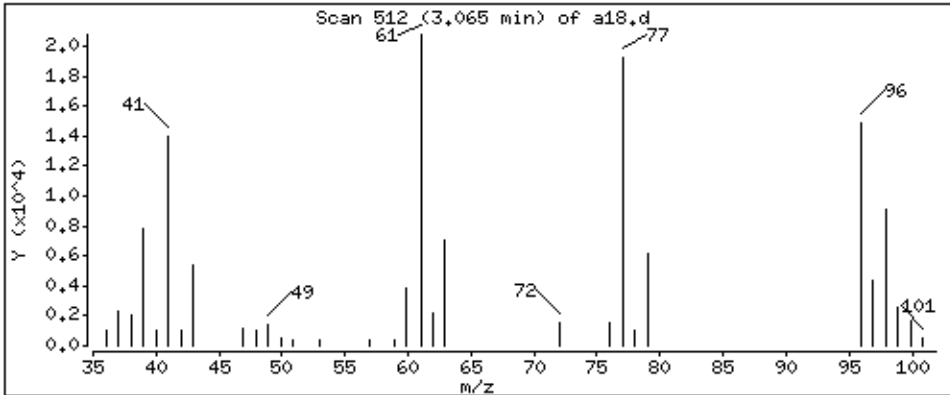
Column phase: DB-624

Column diameter: 0,18

27 2,2-Dichloropropane

Concentration: 47,6 ppb

Review Code:



Date : 02-JUL-2014 19:16

Client ID: THW-5(12-14)HSD

Instrument: 50mv3a.i

Sample Info: 1122049,71089;5

Operator: jlz

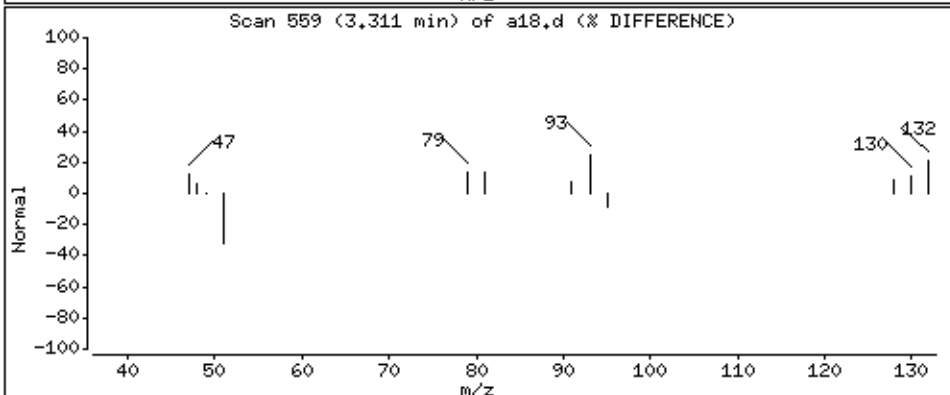
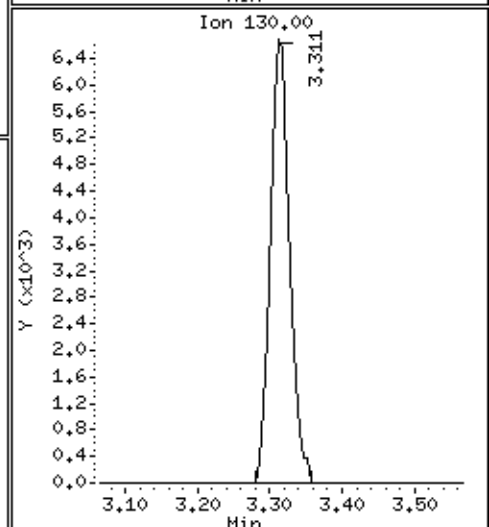
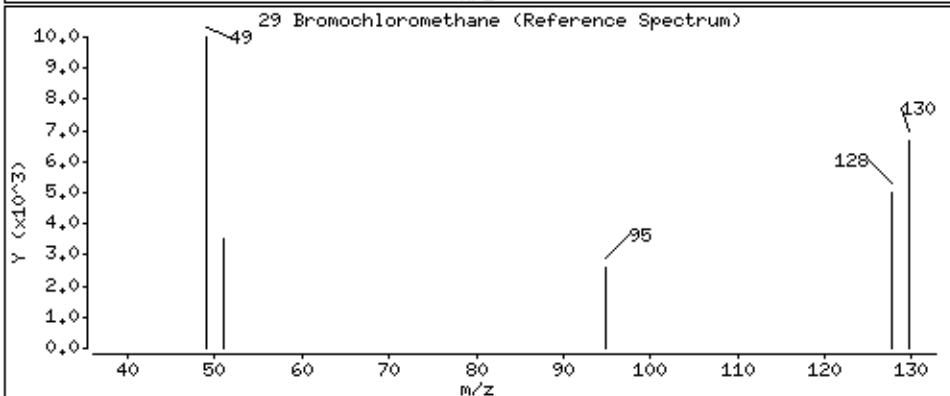
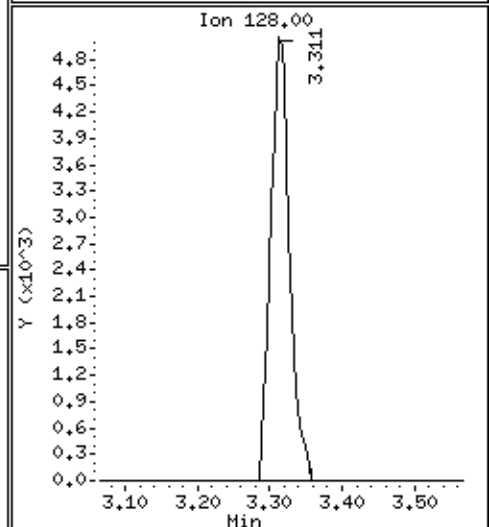
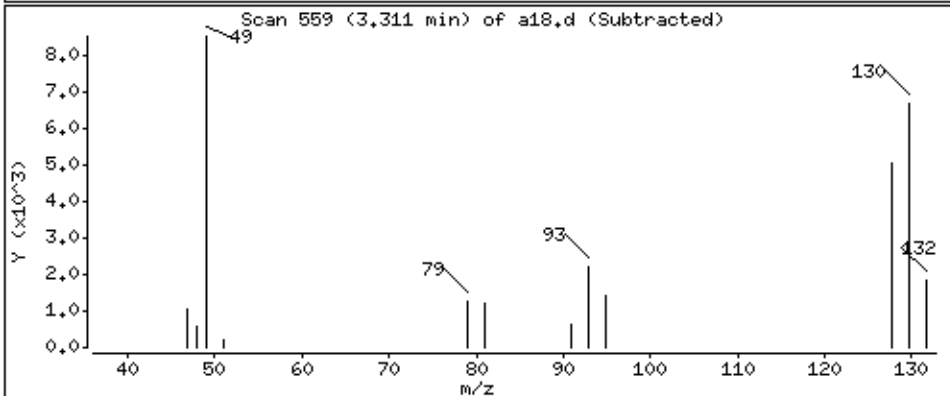
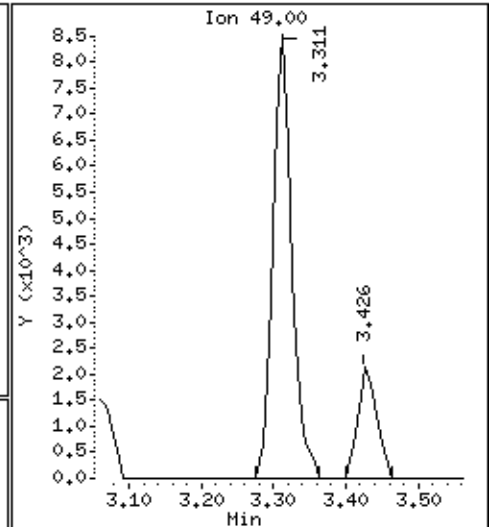
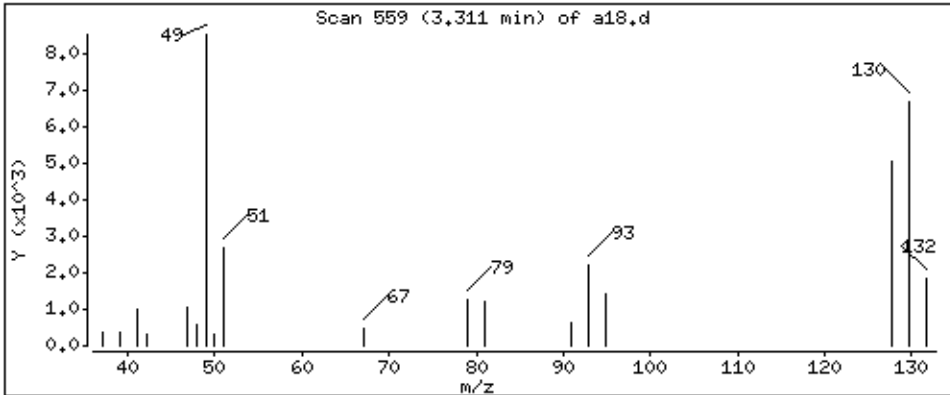
Column phase: DB-624

Column diameter: 0,18

29 Bromochloromethane

Concentration: 49,4 ppb

Review Code:



Date : 02-JUL-2014 19:16

Client ID: THW-5(12-14)HSD

Instrument: 50mw3a.i

Sample Info: 1122049,71089;5

Operator: jlz

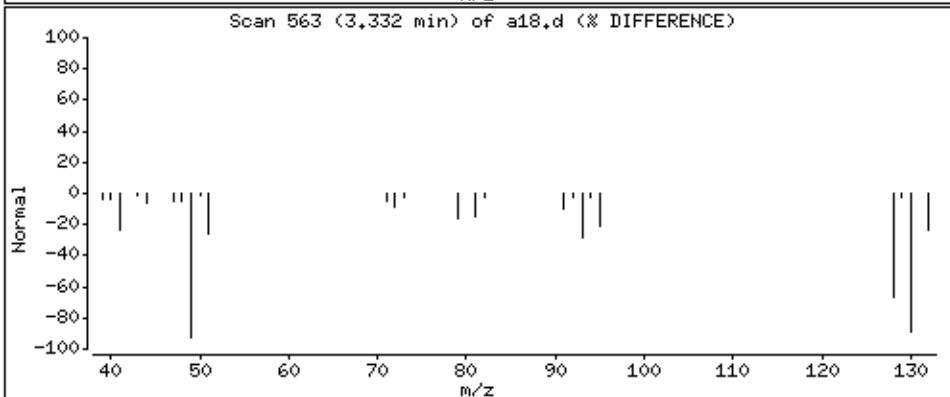
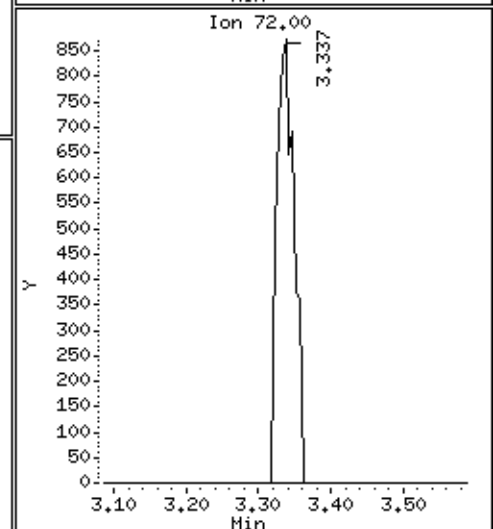
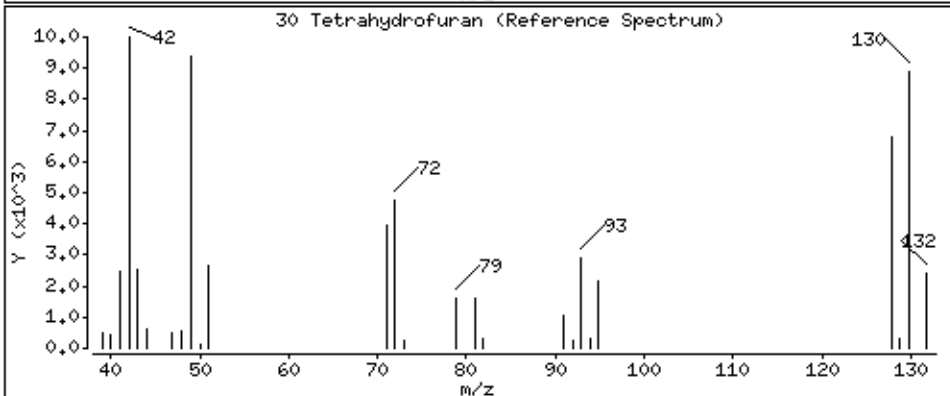
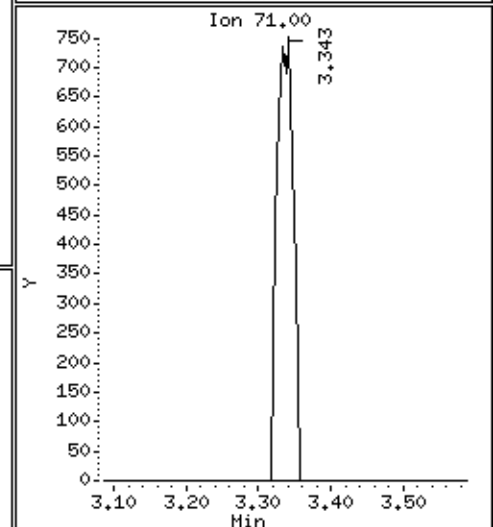
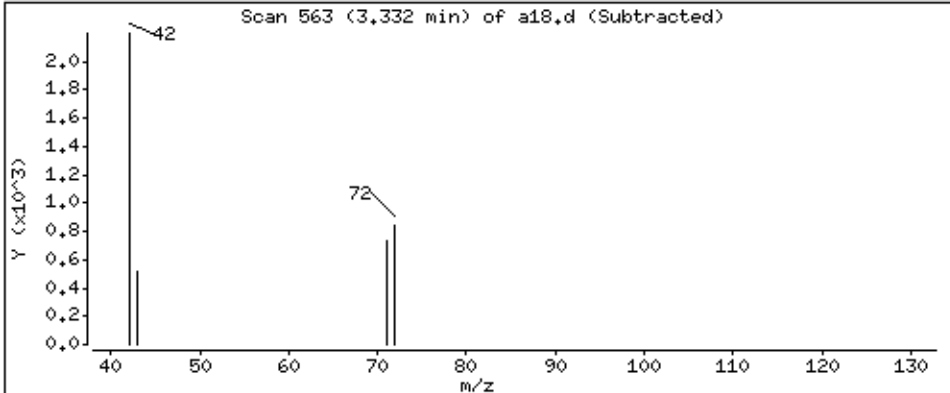
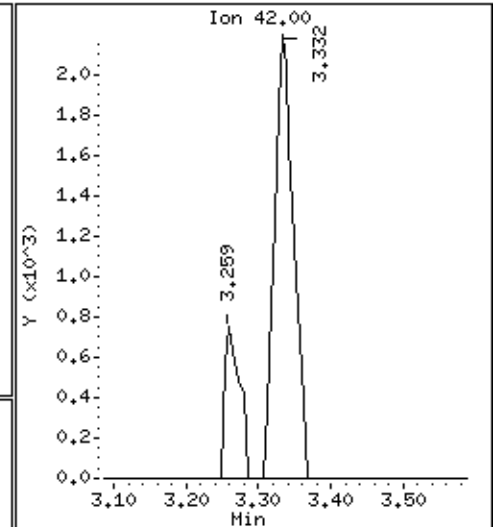
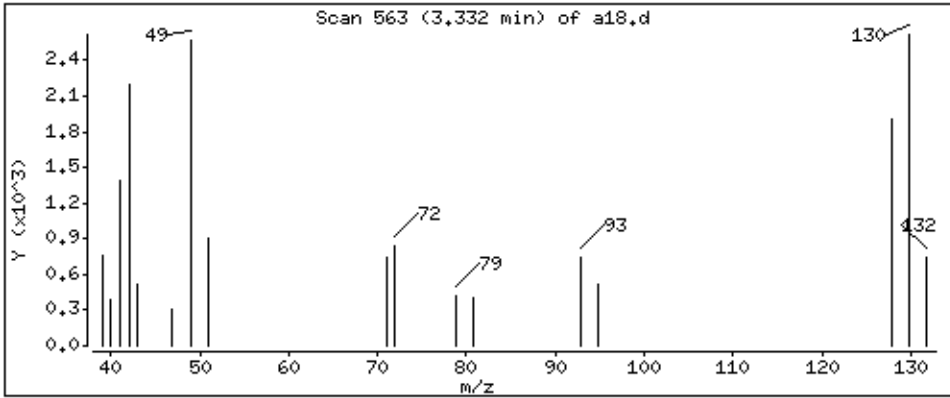
Column phase: DB-624

Column diameter: 0,18

30 Tetrahydrofuran

Concentration: 49,7 ppb

Review Code:



Date : 02-JUL-2014 19:16

Client ID: THW-5(12-14)HSD

Instrument: 50mv3a.i

Sample Info: 1122049,71089;5

Operator: jlz

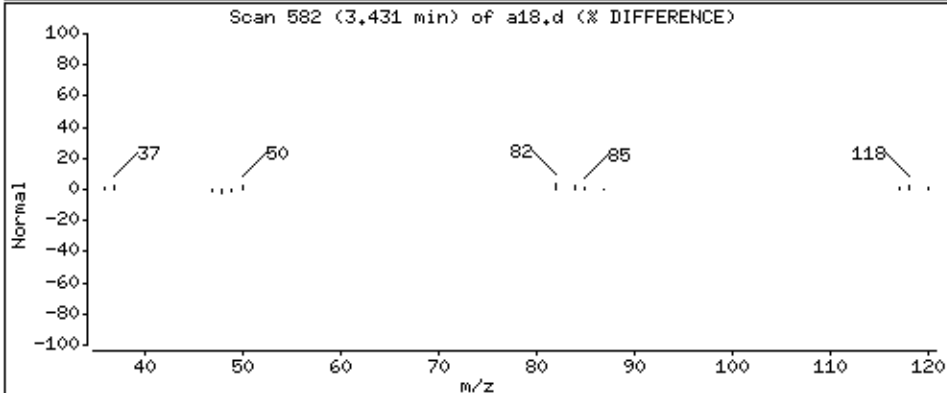
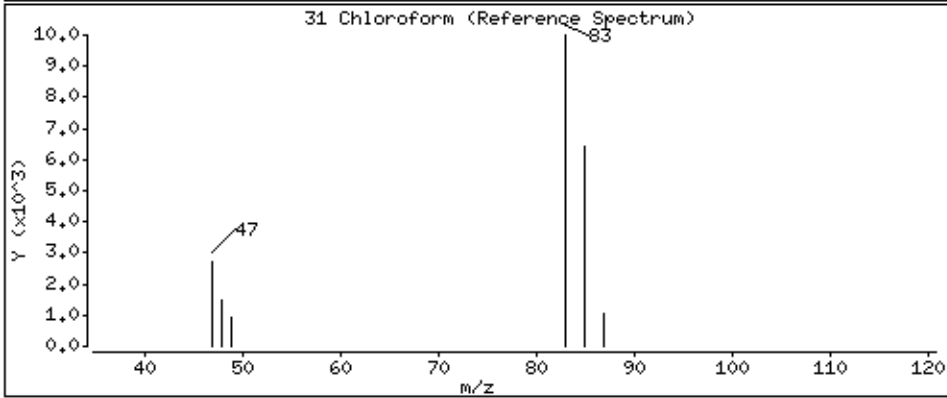
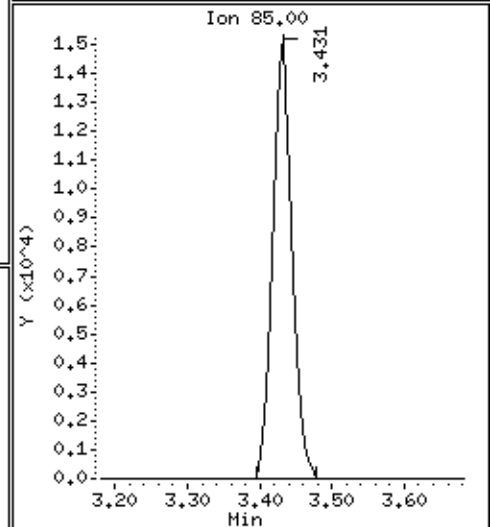
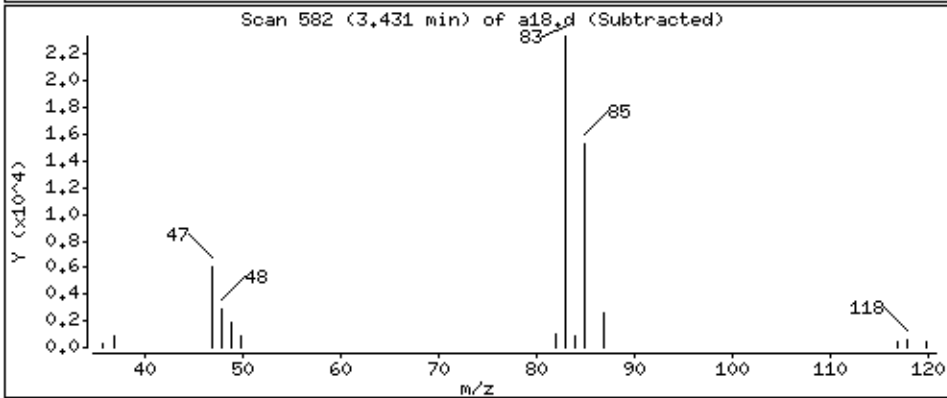
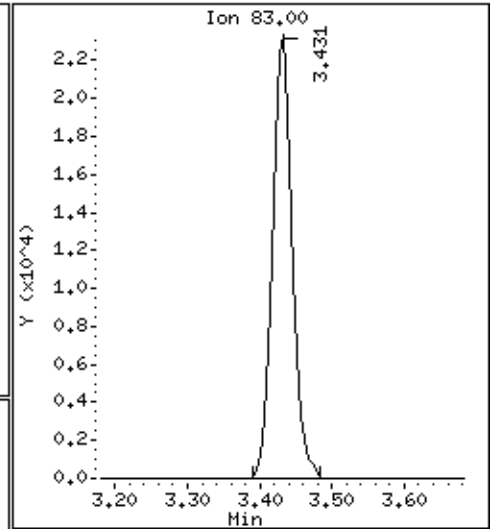
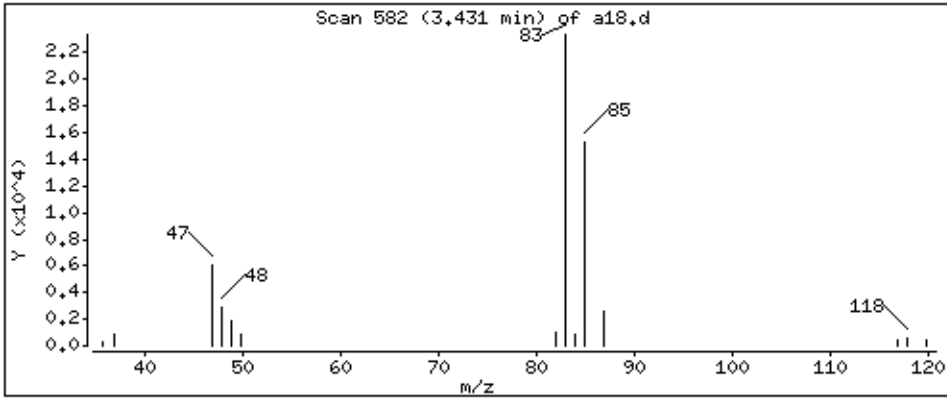
Column phase: DB-624

Column diameter: 0,18

31 Chloroform

Concentration: 43,4 ppb

Review Code:



Date : 02-JUL-2014 19:16

Client ID: THW-5(12-14)HSD

Instrument: 50mv3a.i

Sample Info: 1122049,71089;5

Operator: jlz

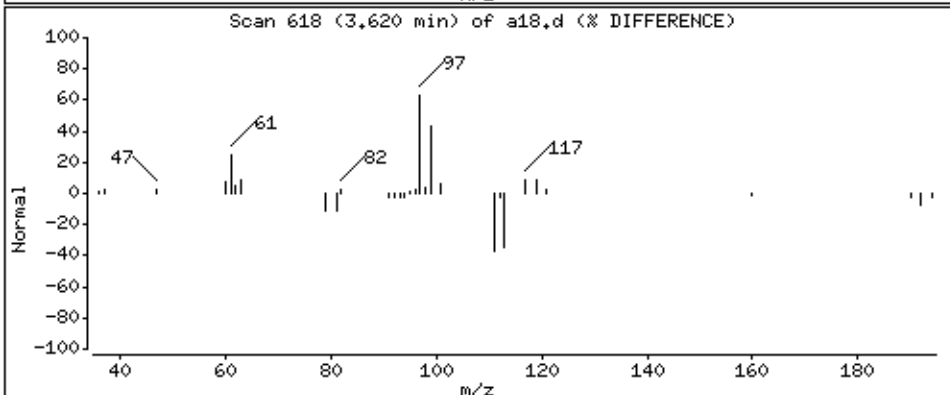
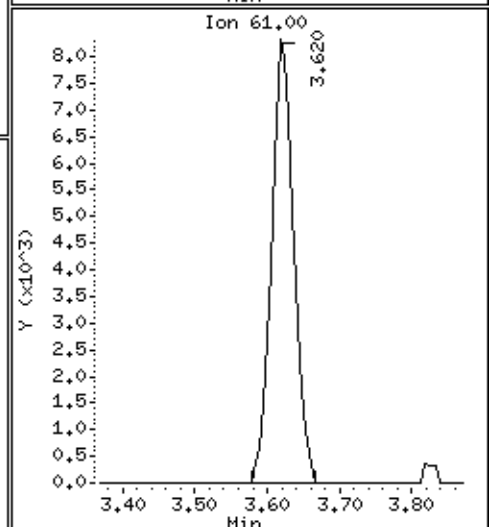
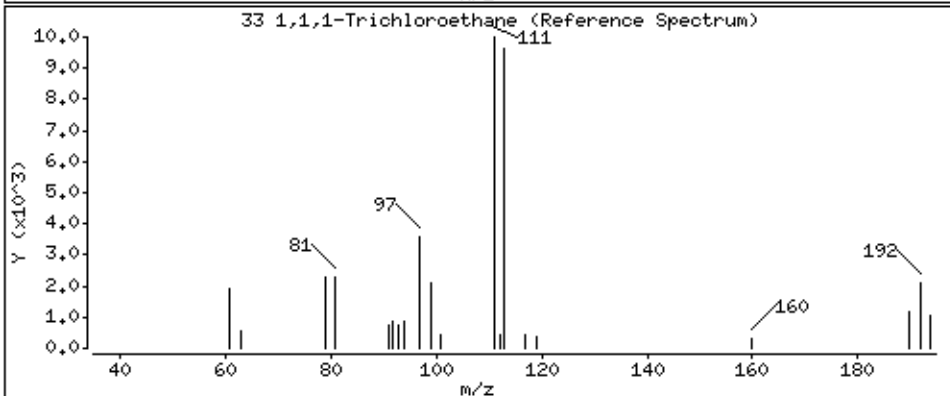
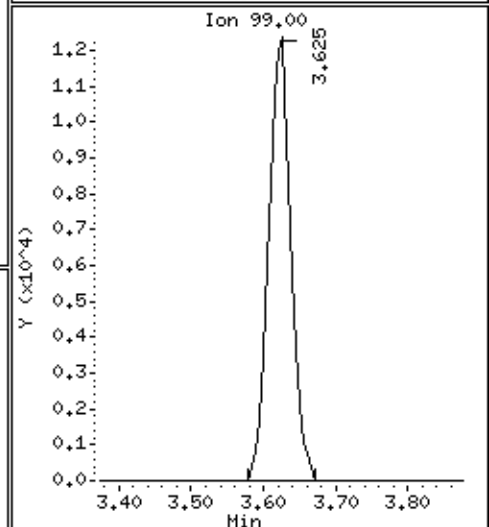
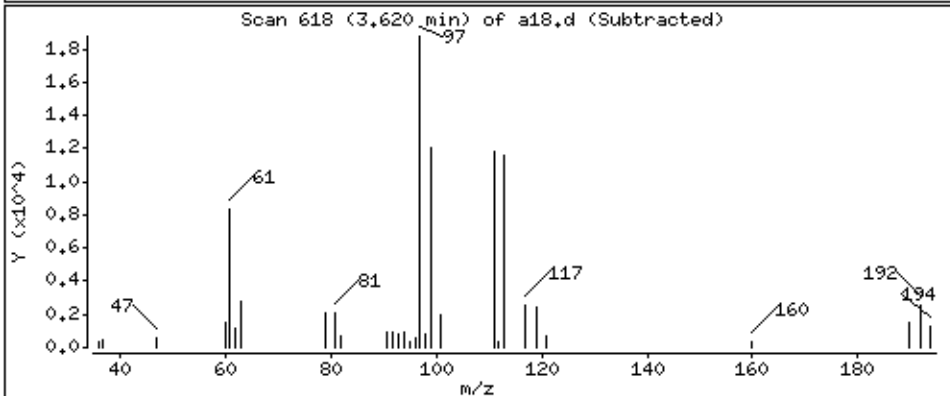
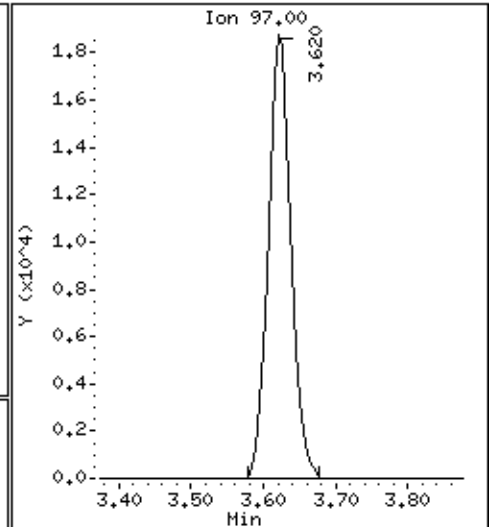
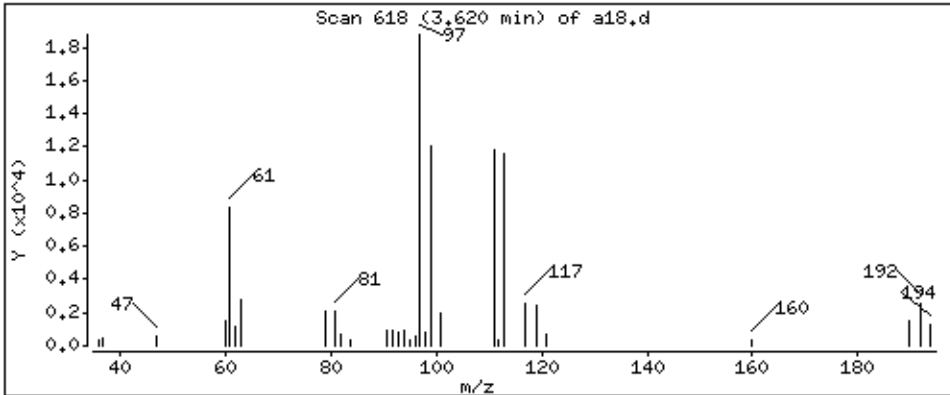
Column phase: DB-624

Column diameter: 0,18

33 1,1,1-Trichloroethane

Concentration: 44,6 ppb

Review Code:



Date : 02-JUL-2014 19:16

Client ID: THW-5(12-14)HSD

Instrument: 50mv3a.i

Sample Info: 1122049,71089;5

Operator: jlz

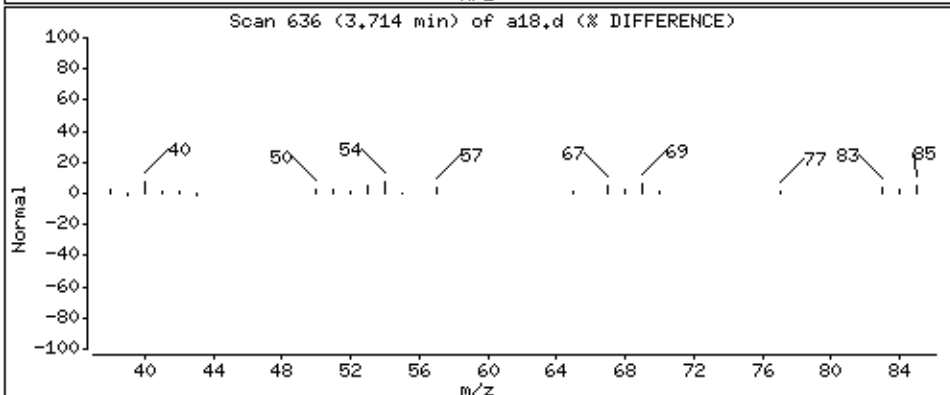
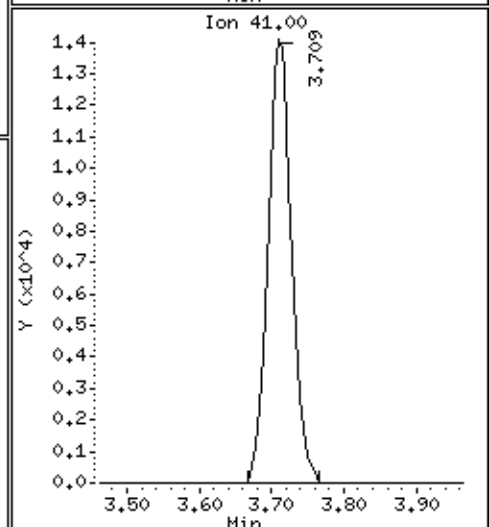
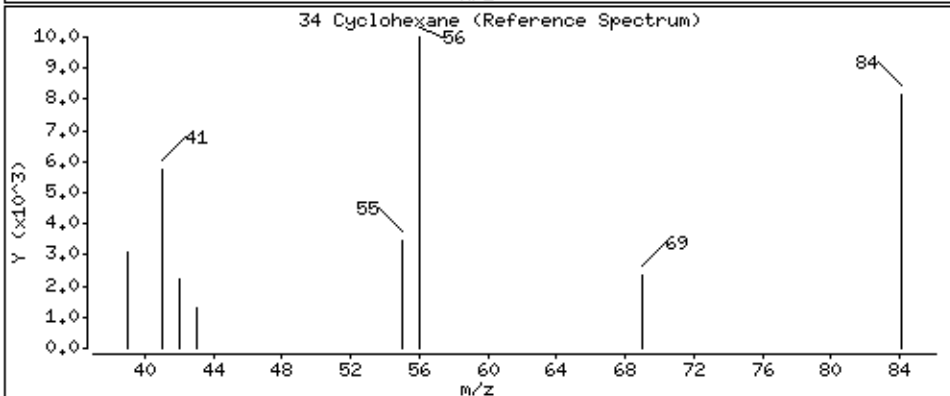
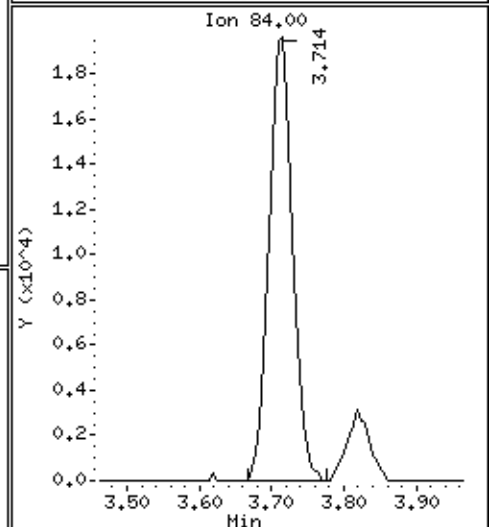
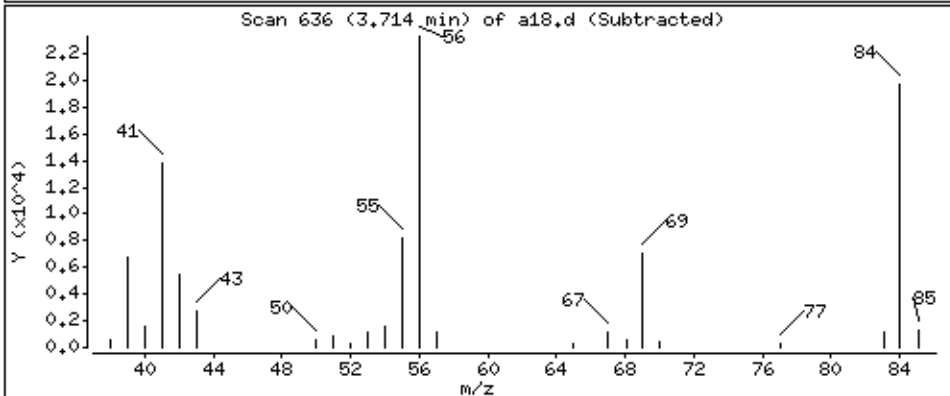
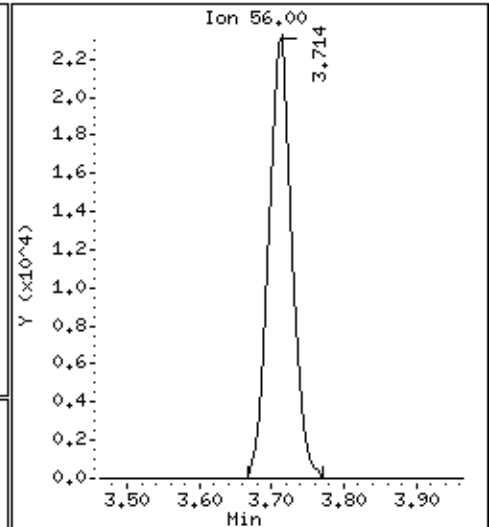
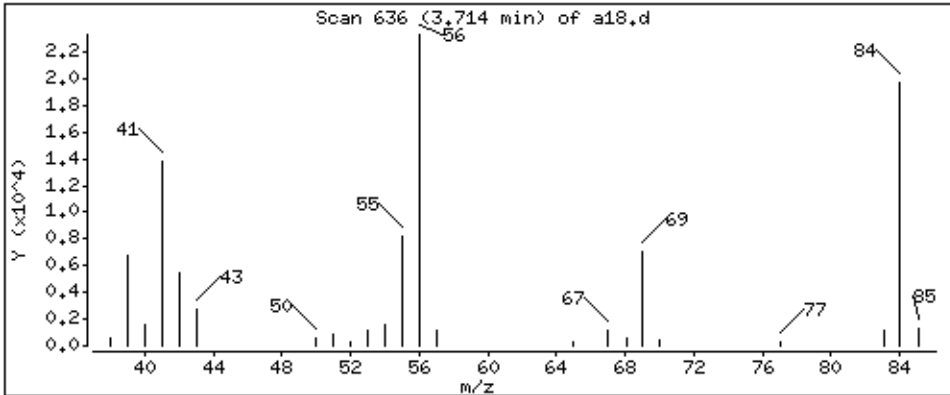
Column phase: DB-624

Column diameter: 0,18

34 Cyclohexane

Concentration: 48,7 ppb

Review Code:



Date : 02-JUL-2014 19:16

Client ID: THW-5(12-14)HSD

Instrument: 50mv3a.i

Sample Info: 1122049,71089;5

Operator: jlz

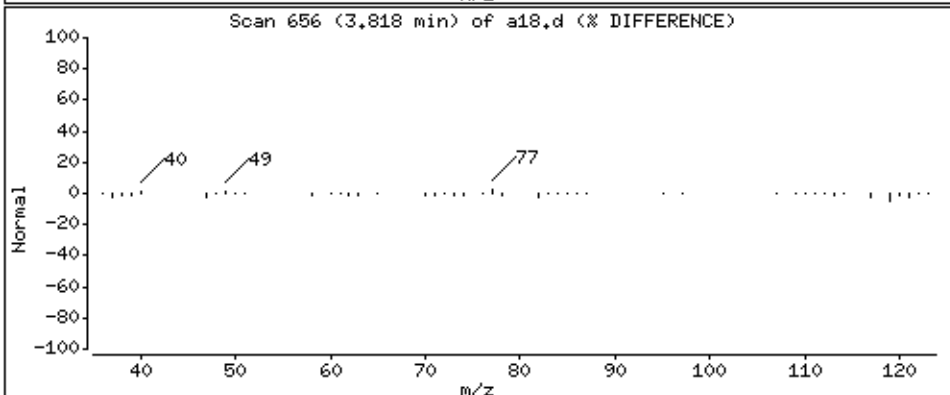
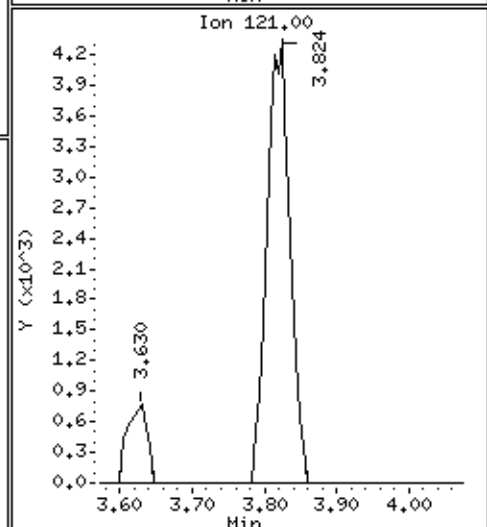
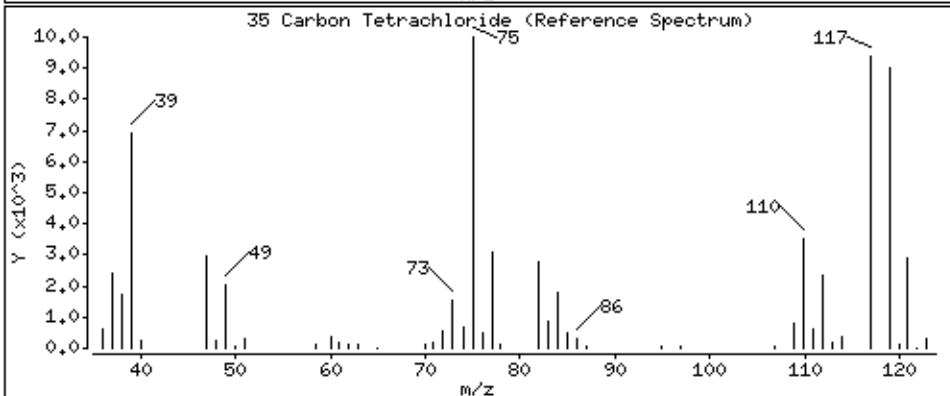
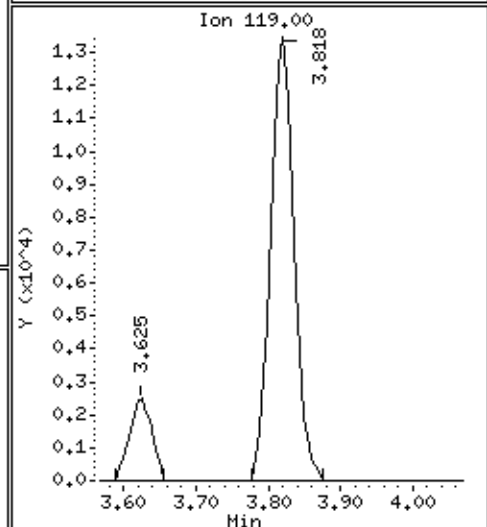
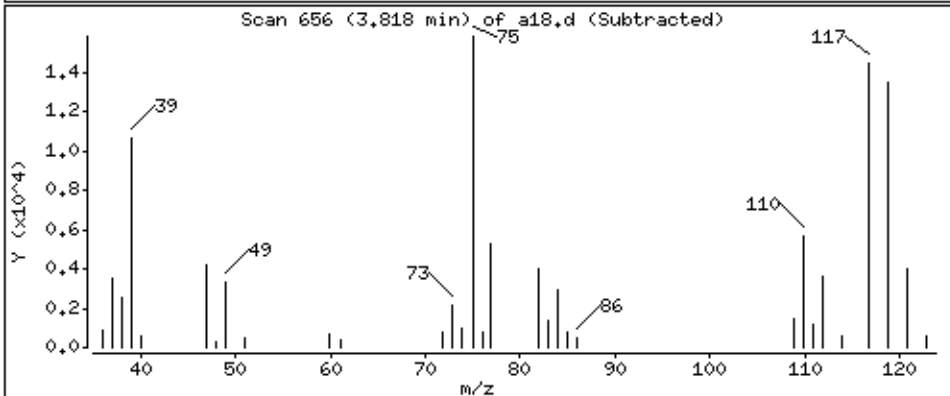
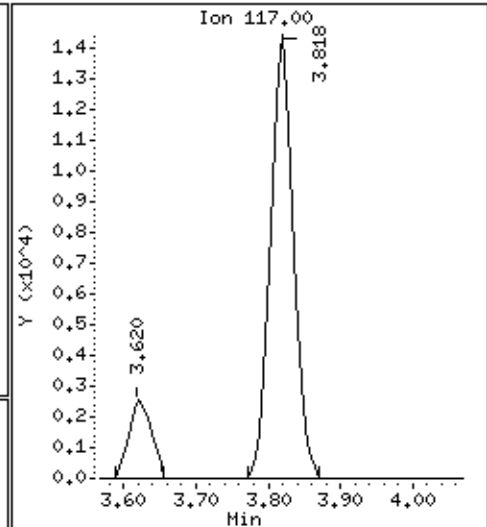
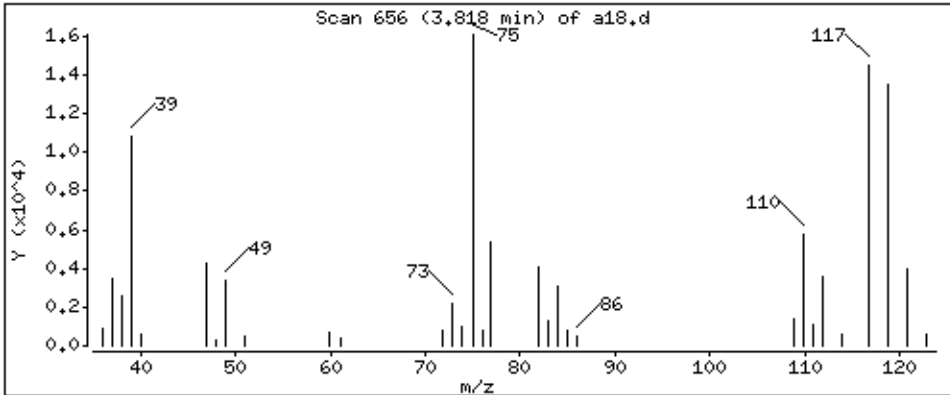
Column phase: DB-624

Column diameter: 0,18

35 Carbon Tetrachloride

Concentration: 42,5 ppb

Review Code:



Date : 02-JUL-2014 19:16

Client ID: THW-5(12-14)HSD

Instrument: 50mv3a.i

Sample Info: 1122049,71089;5

Operator: jlz

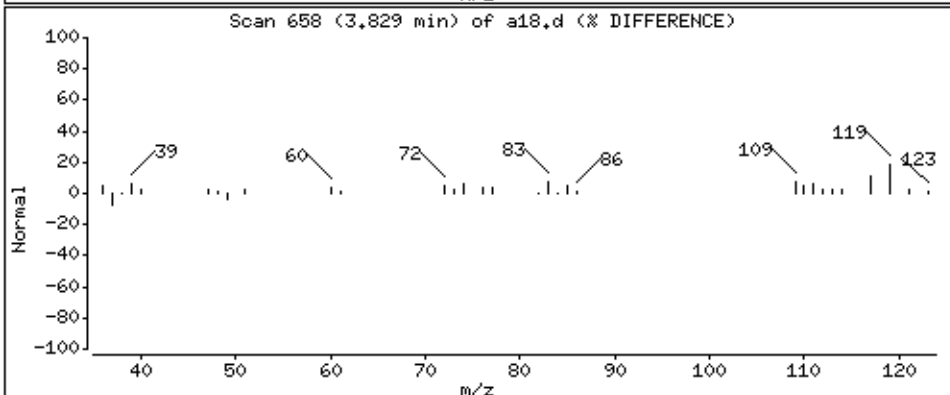
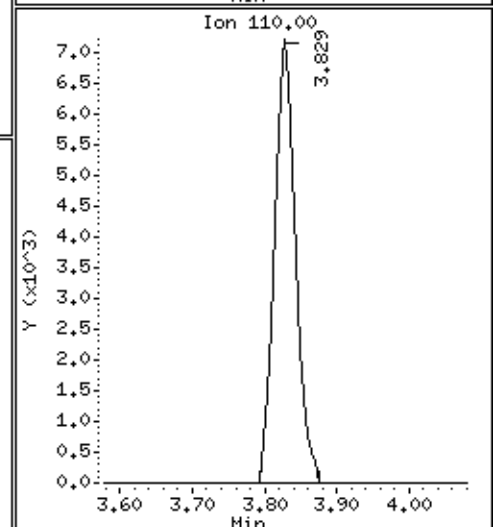
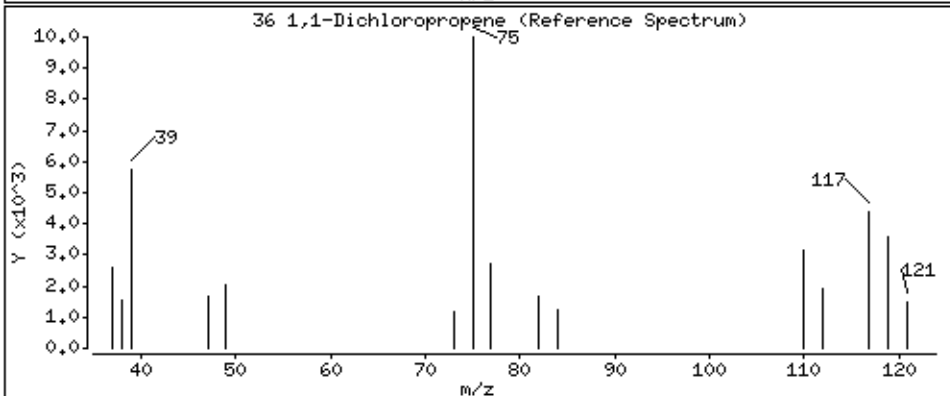
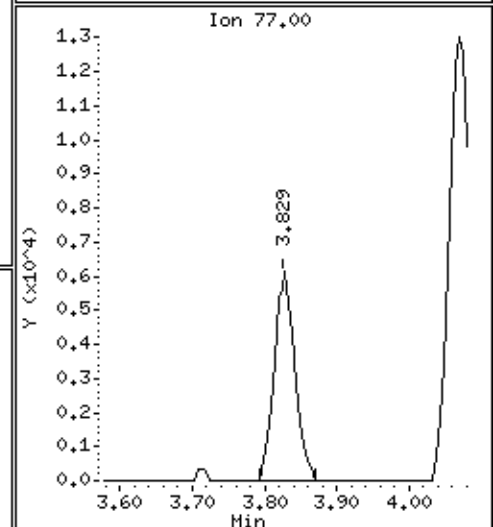
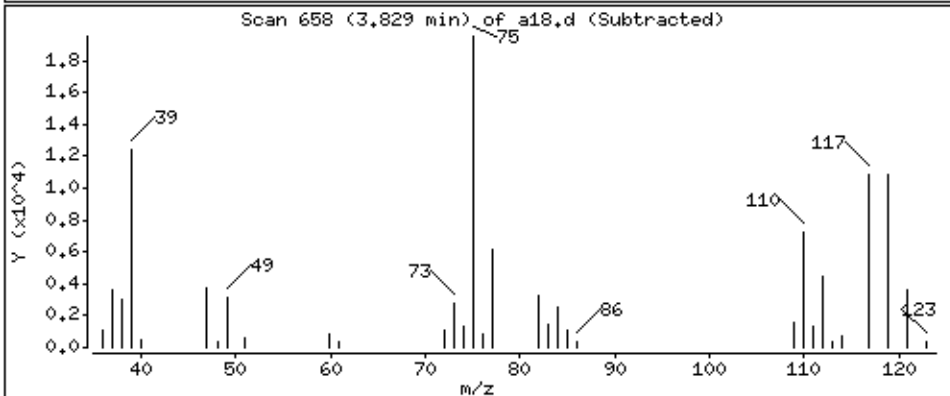
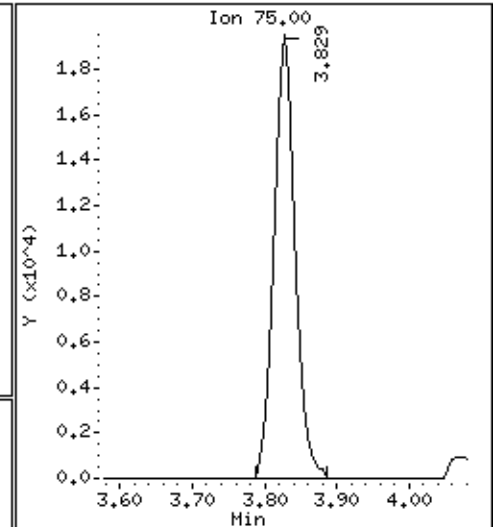
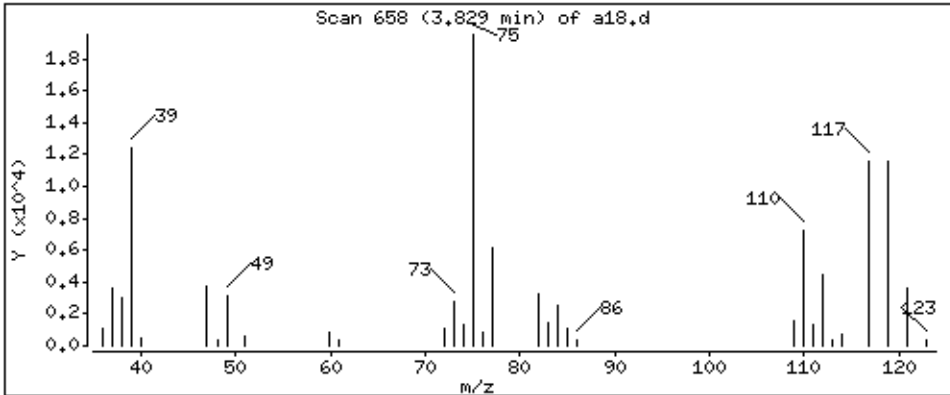
Column phase: DB-624

Column diameter: 0,18

36 1,1-Dichloropropene

Concentration: 43,8 ppb

Review Code:



Date : 02-JUL-2014 19:16

Client ID: THW-5(12-14)HSD

Instrument: 50mv3a.i

Sample Info: 1122049,71089;5

Operator: jlz

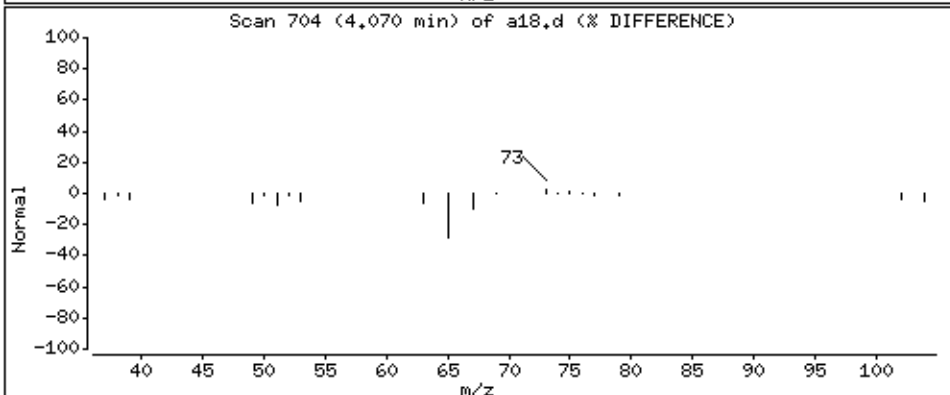
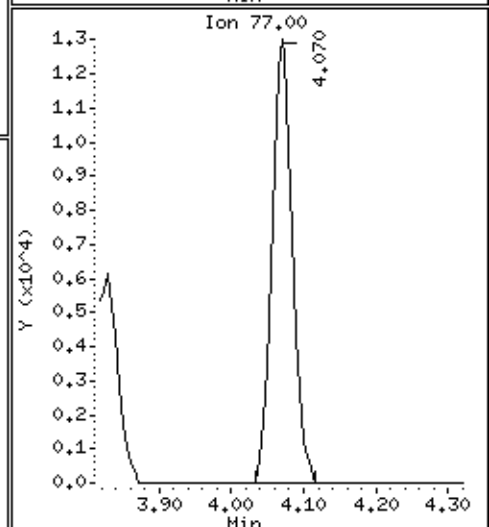
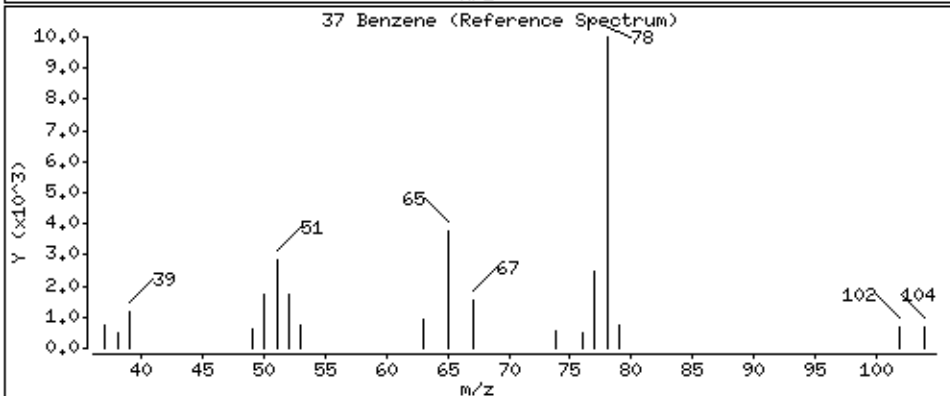
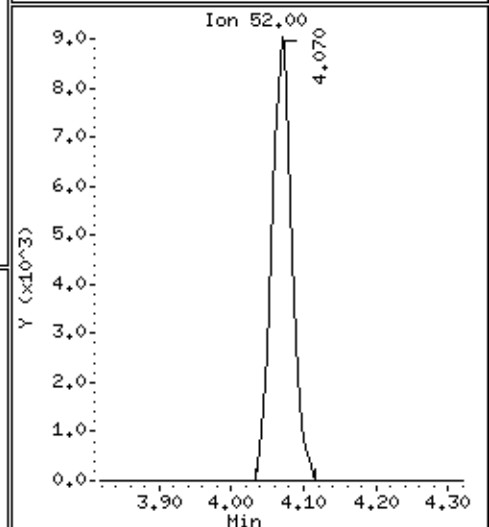
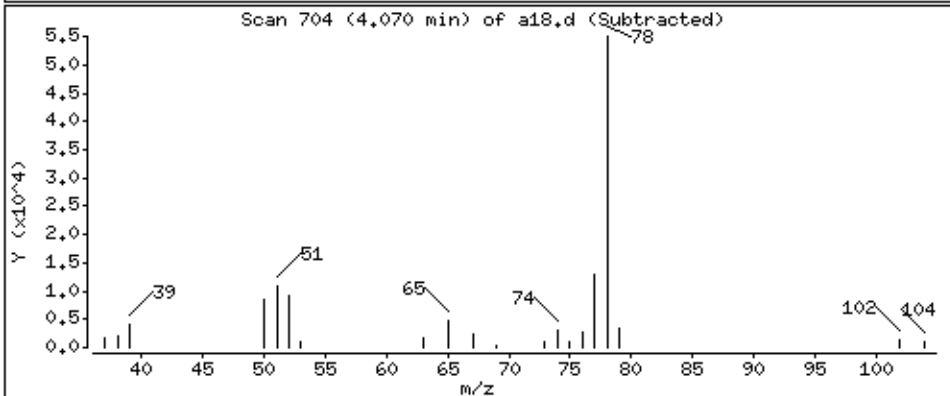
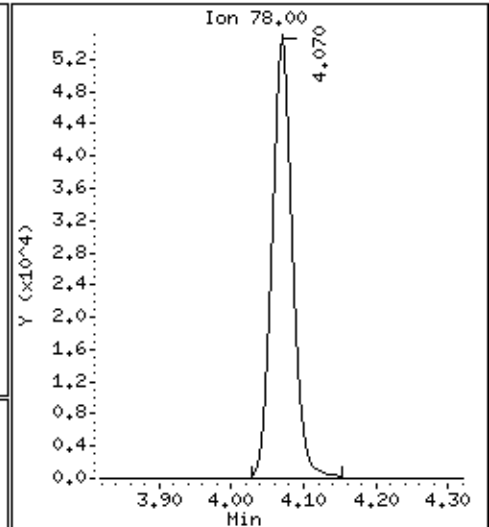
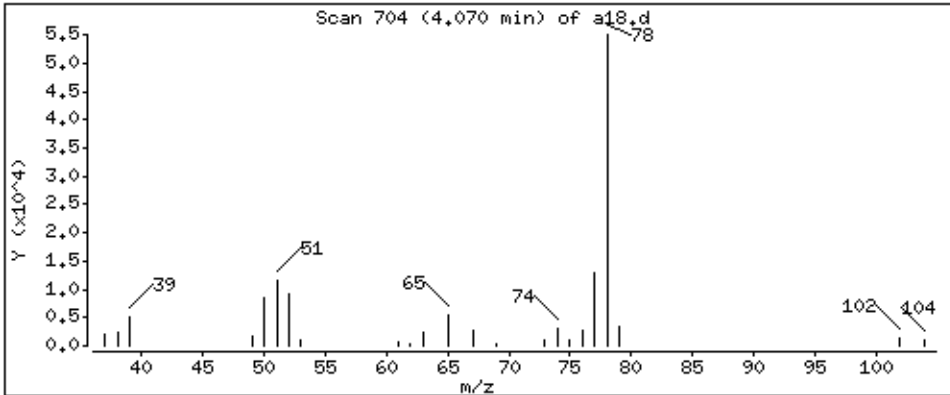
Column phase: DB-624

Column diameter: 0,18

37 Benzene

Concentration: 47.9 ppb

Review Code:



Date : 02-JUL-2014 19:16

Client ID: THW-5(12-14)HSD

Instrument: 50mv3a.i

Sample Info: 1122049,71089;5

Operator: jlz

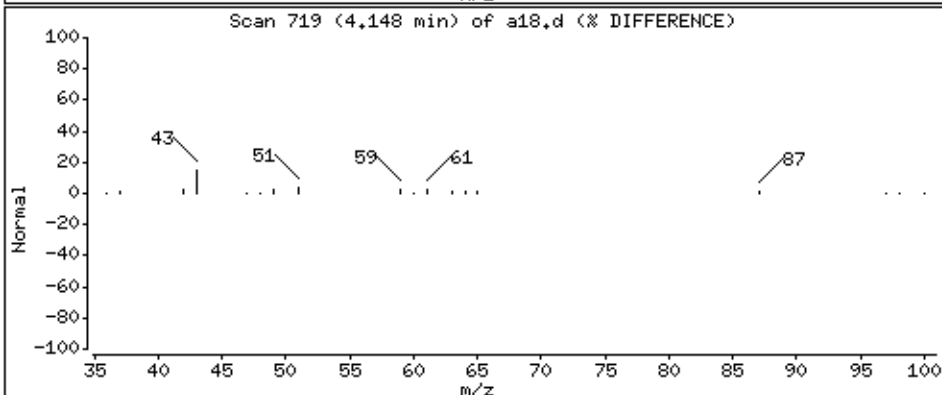
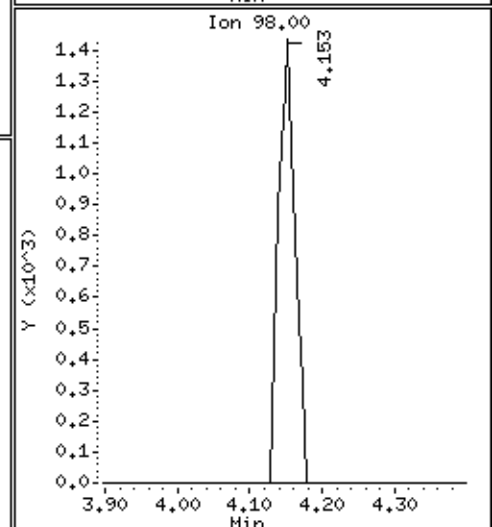
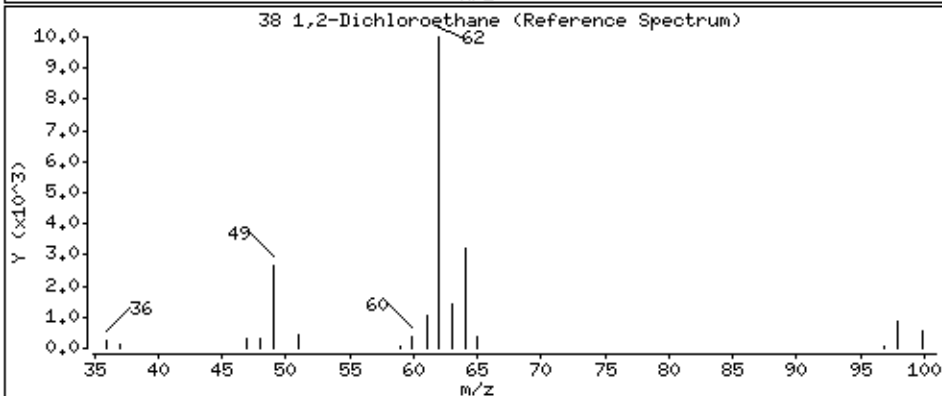
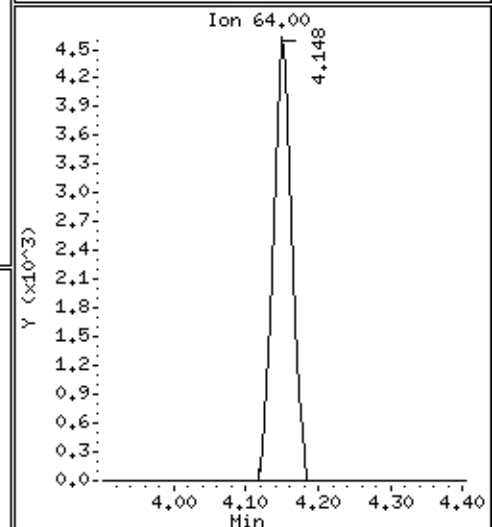
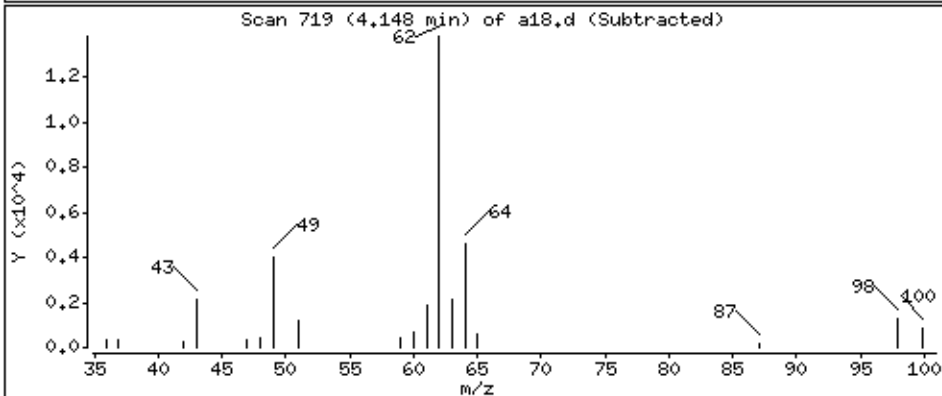
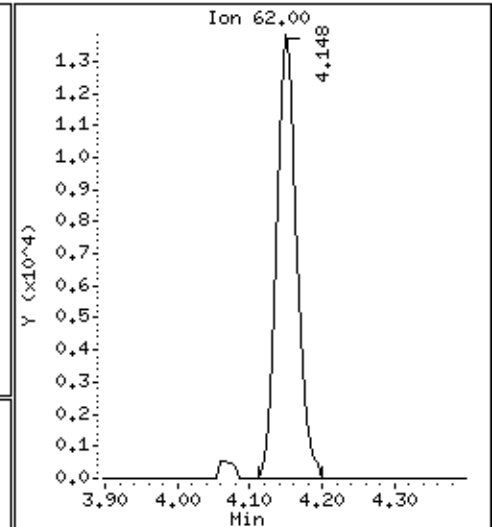
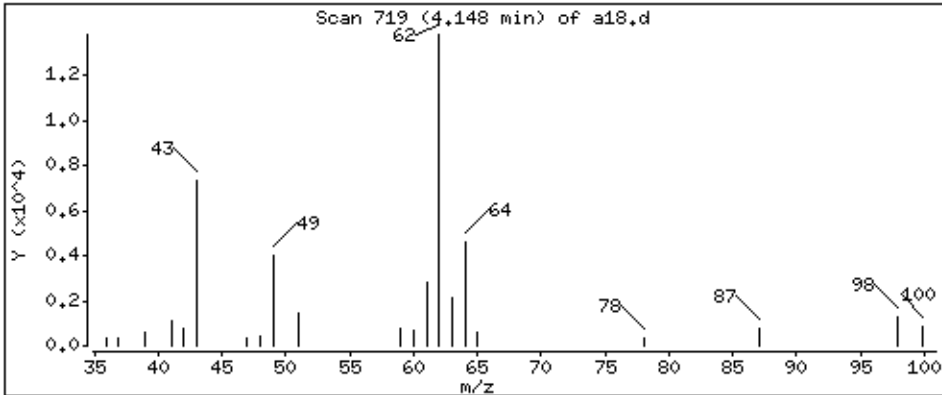
Column phase: DB-624

Column diameter: 0,18

38 1,2-Dichloroethane

Concentration: 41.8 ppb

Review Code:



Date : 02-JUL-2014 19:16

Client ID: THW-5(12-14)HSD

Instrument: 50mw3a.i

Sample Info: 1122049,71089;5

Operator: jlz

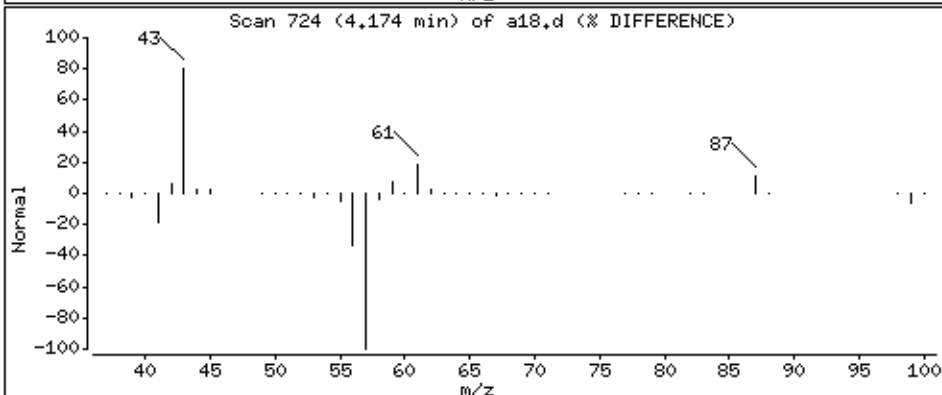
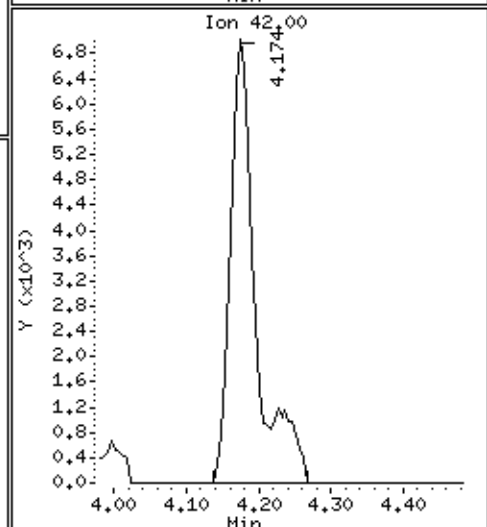
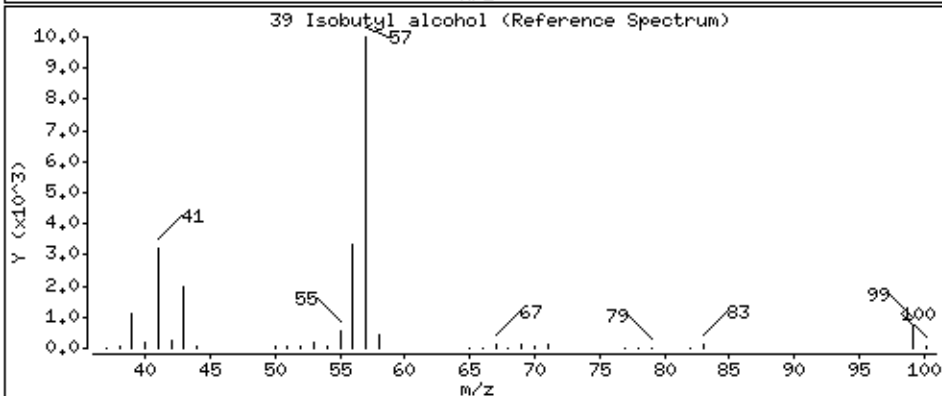
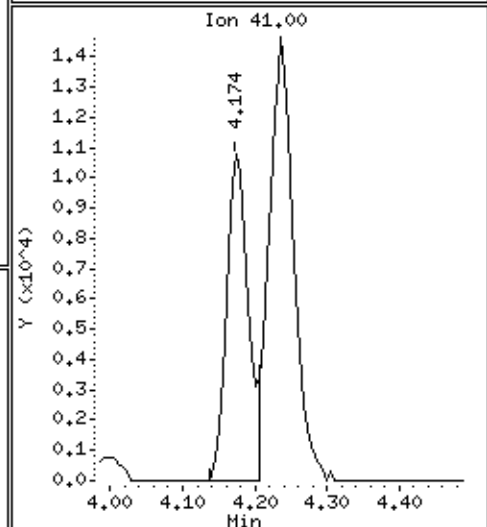
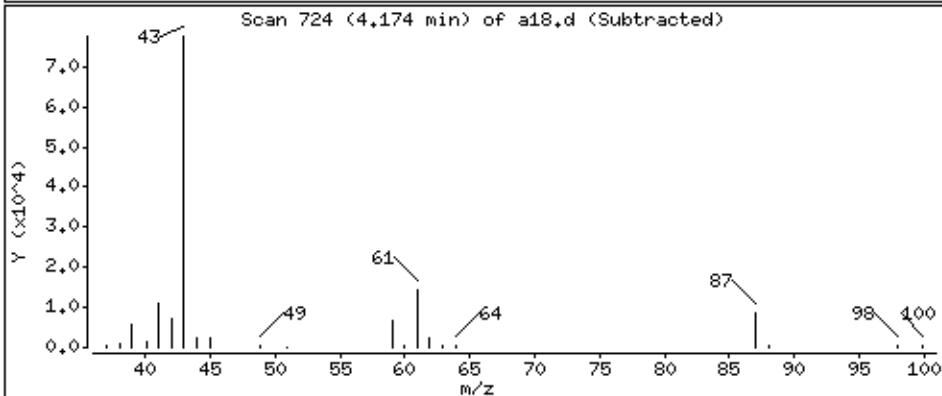
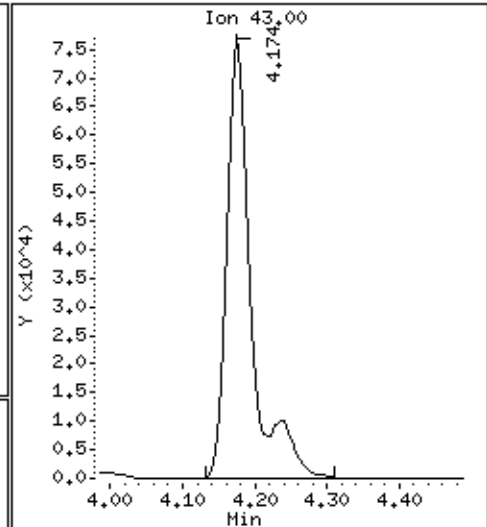
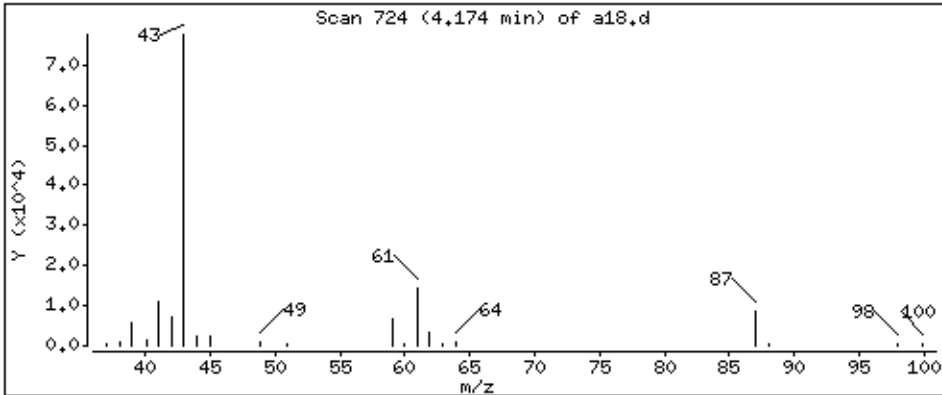
Column phase: DB-624

Column diameter: 0,18

39 Isobutyl alcohol

Concentration: 349 ppb

Review Code:



Date : 02-JUL-2014 19:16

Client ID: THW-5(12-14)HSD

Instrument: 50mv3a.i

Sample Info: 1122049,71089;5

Operator: jlz

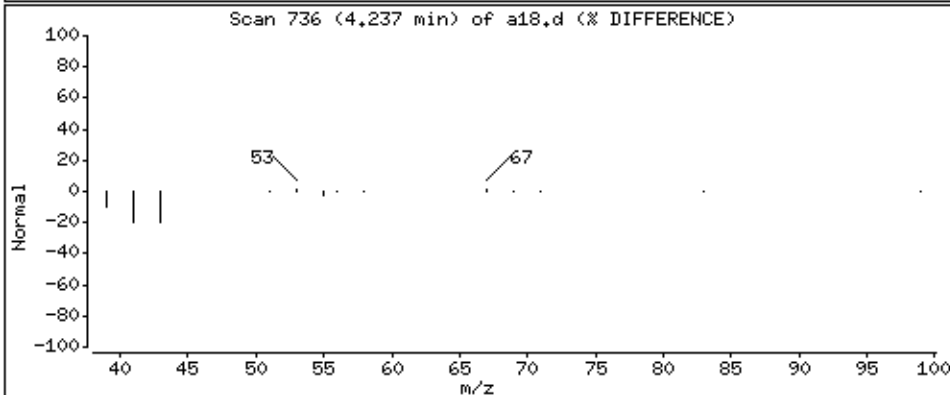
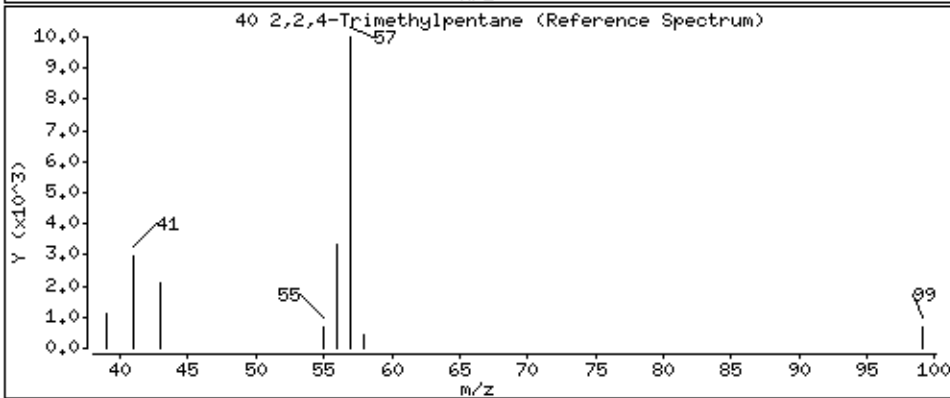
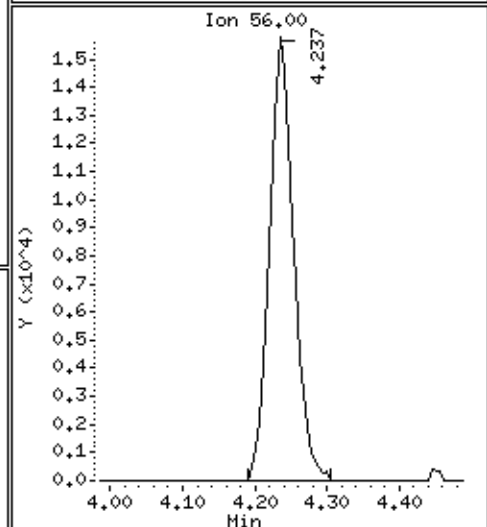
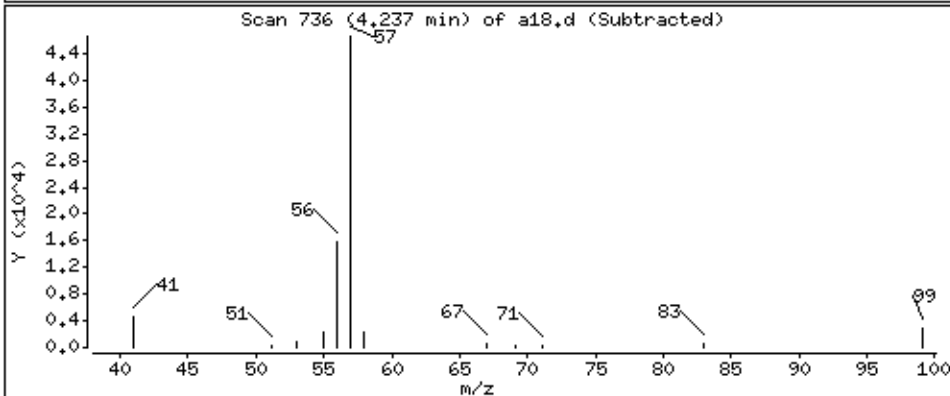
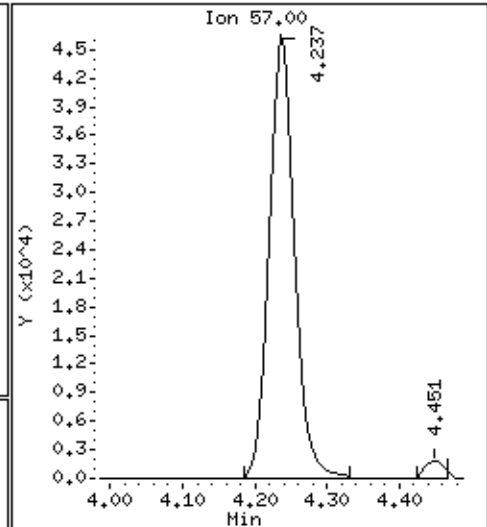
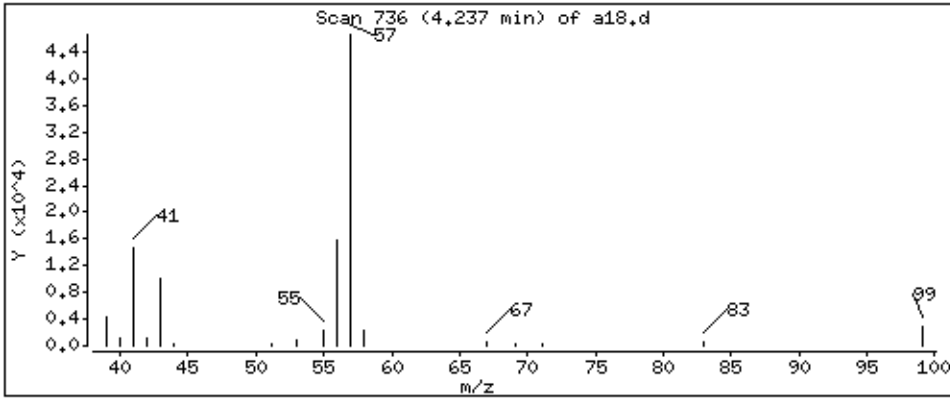
Column phase: DB-624

Column diameter: 0,18

40 2,2,4-Trimethylpentane

Concentration: 43.4 ppb

Review Code:



Date : 02-JUL-2014 19:16

Client ID: THW-5(12-14)HSD

Instrument: 50mw3a.i

Sample Info: 1122049,71089;5

Operator: jlz

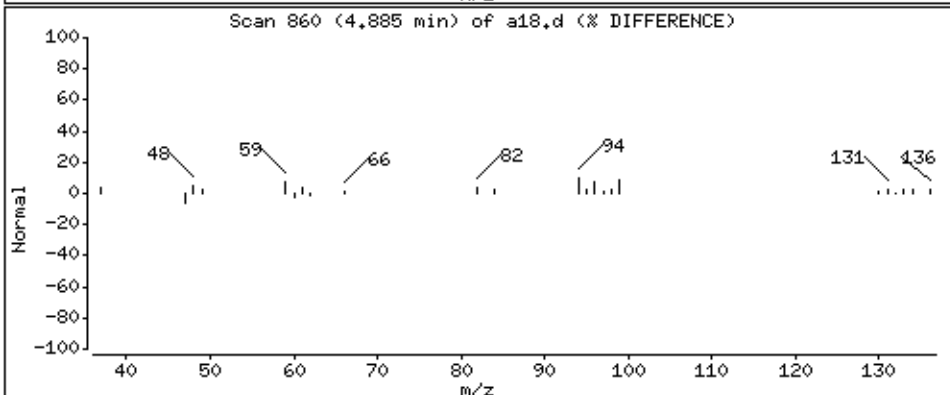
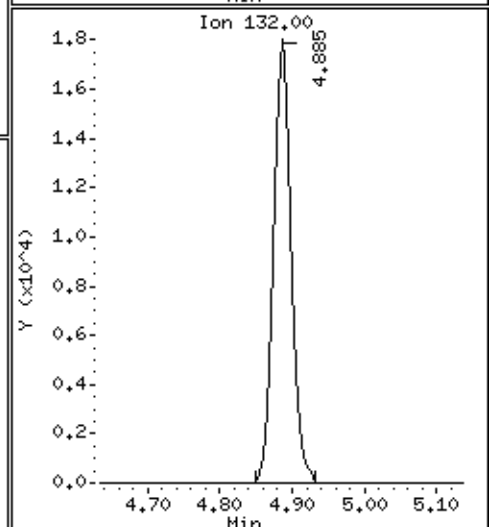
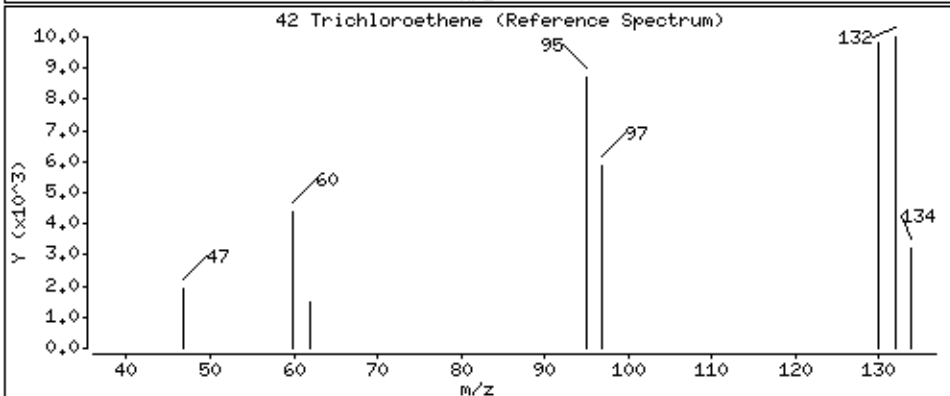
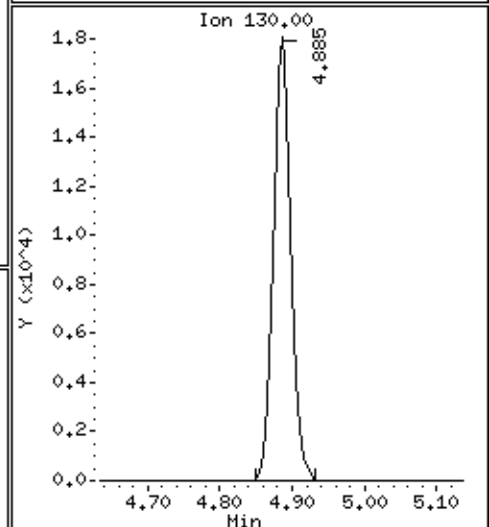
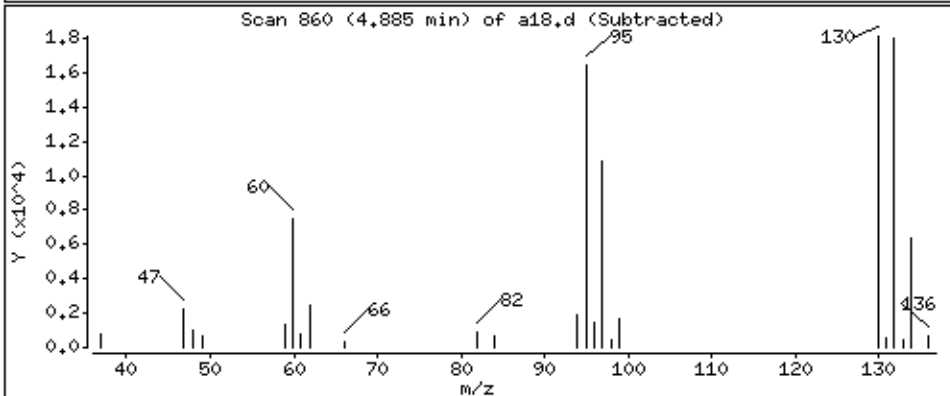
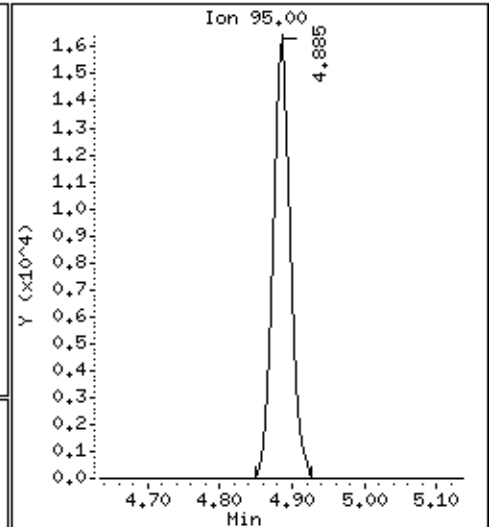
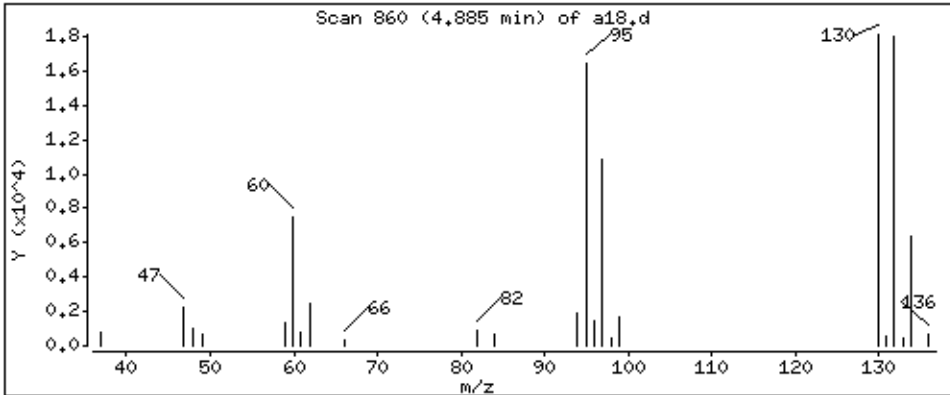
Column phase: DB-624

Column diameter: 0,18

42 Trichloroethene

Concentration: 44,7 ppb

Review Code:



Date : 02-JUL-2014 19:16

Client ID: THW-5(12-14)HSD

Instrument: 50mv3a.i

Sample Info: 1122049,71089;5

Operator: jlz

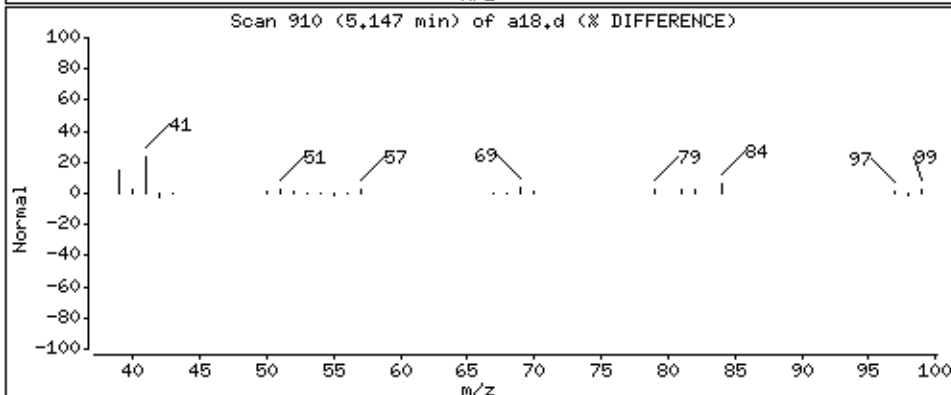
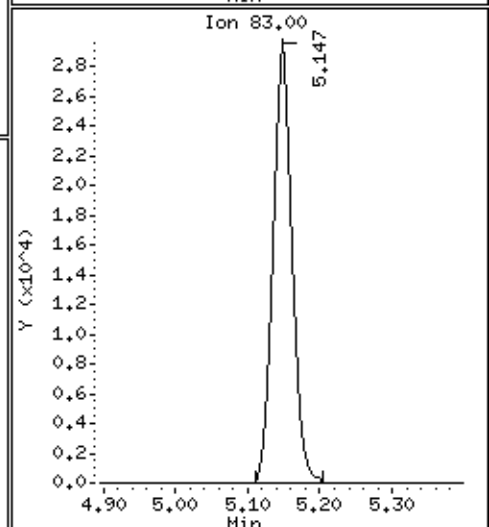
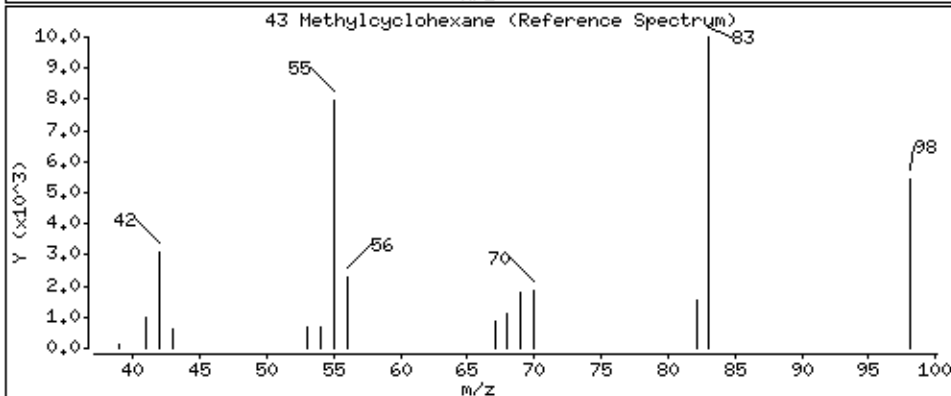
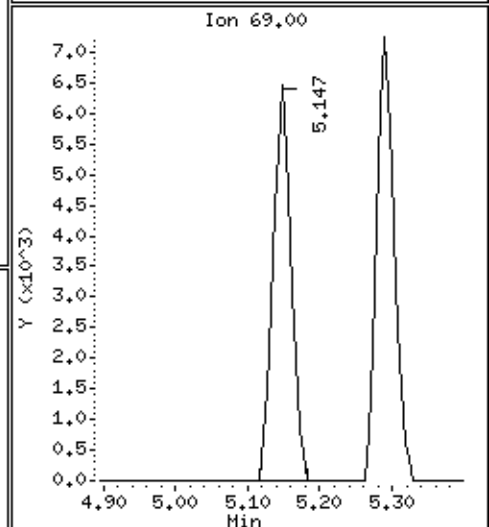
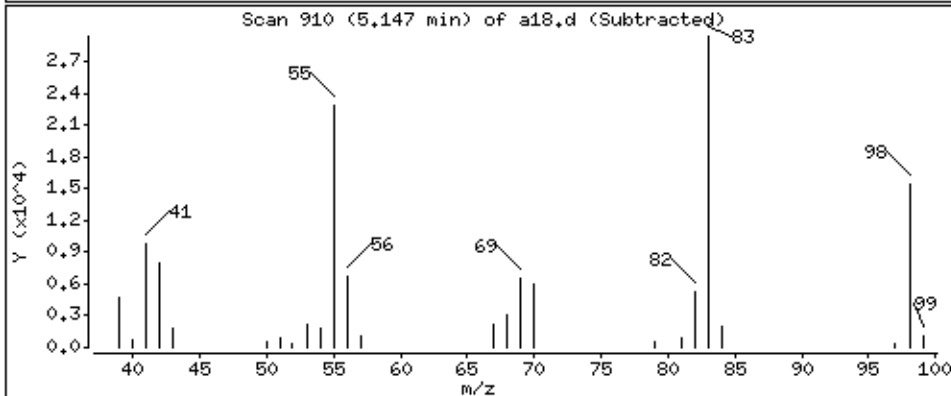
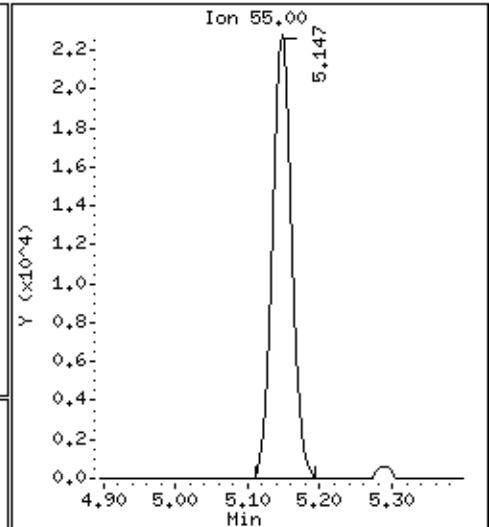
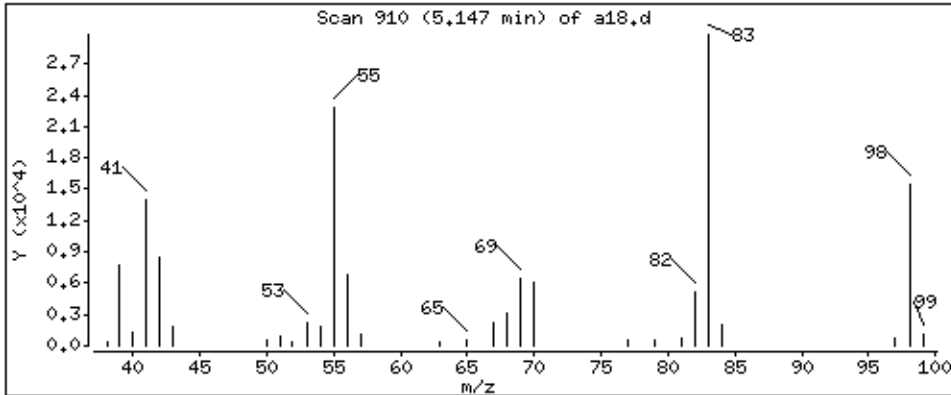
Column phase: DB-624

Column diameter: 0,18

43 Methylcyclohexane

Concentration: 47.7 ppb

Review Code:



Date : 02-JUL-2014 19:16

Client ID: THW-5(12-14)HSD

Instrument: 50mv3a.i

Sample Info: 1122049,71089;5

Operator: jlz

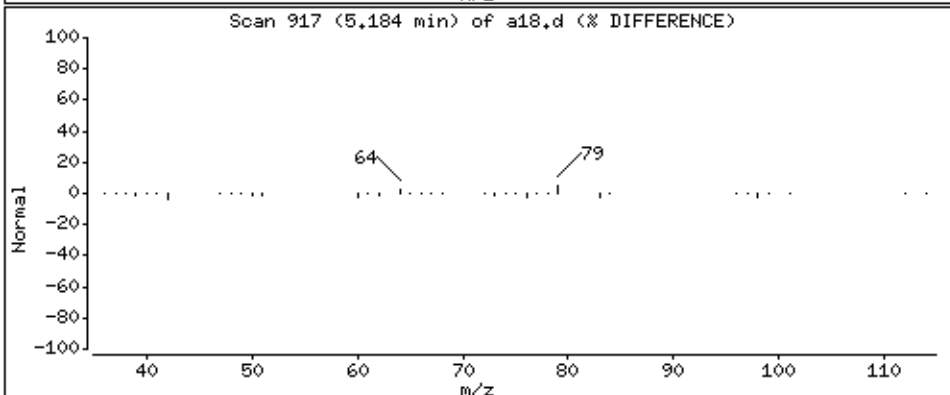
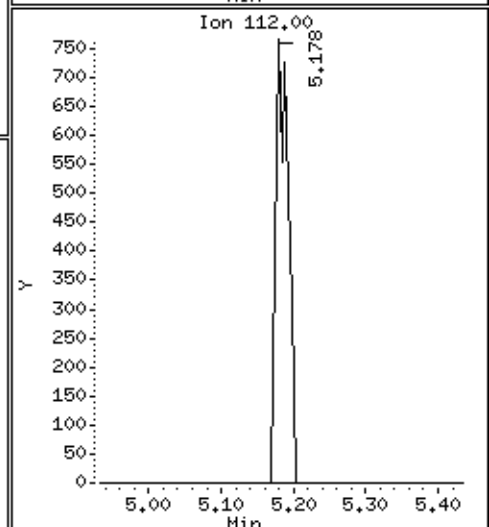
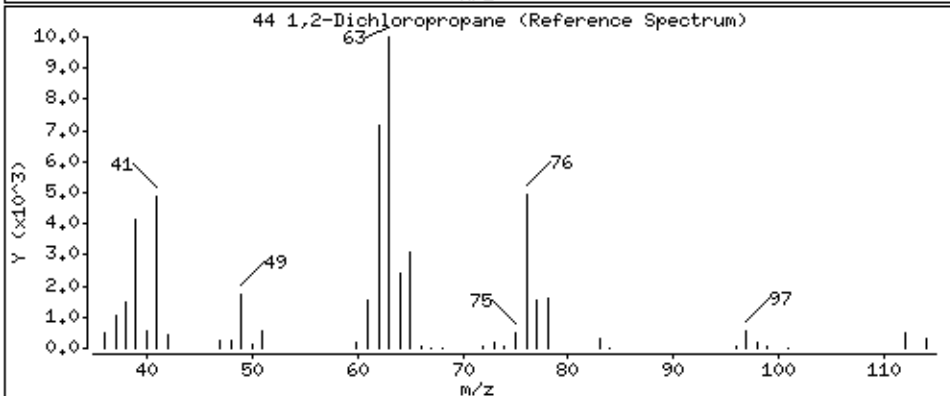
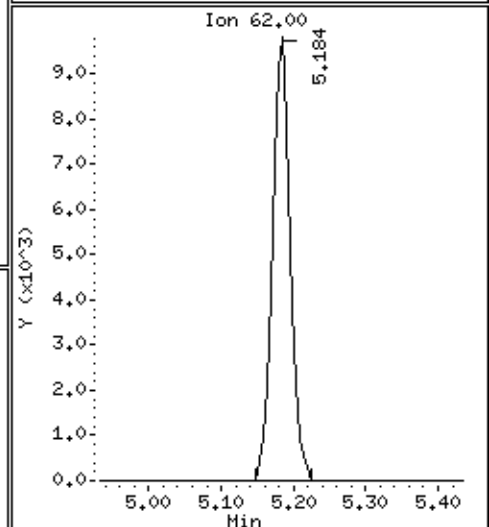
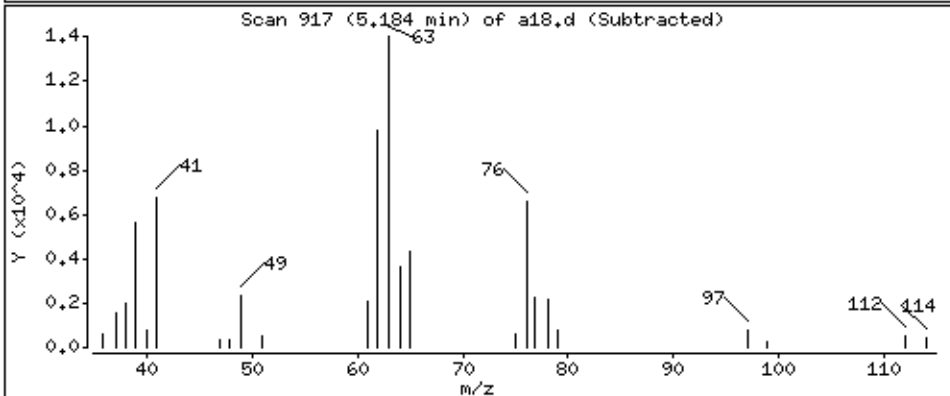
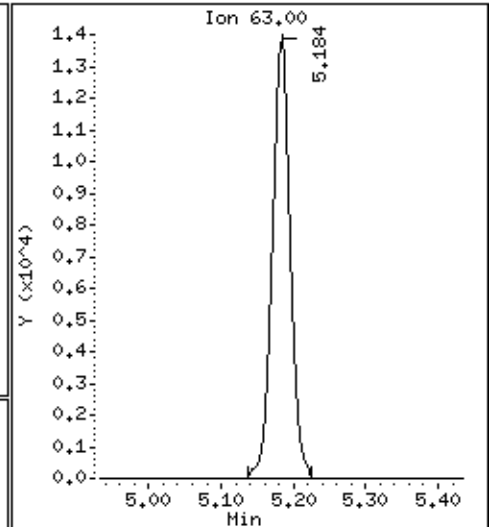
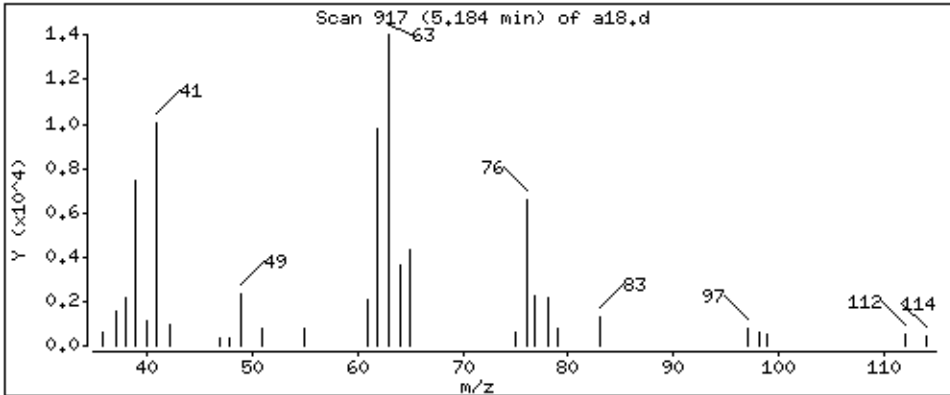
Column phase: DB-624

Column diameter: 0,18

44 1,2-Dichloropropane

Concentration: 46,9 ppb

Review Code:



Date : 02-JUL-2014 19:16

Client ID: THW-5(12-14)HSD

Instrument: 50mv3a.i

Sample Info: 1122049,71089;5

Operator: jlz

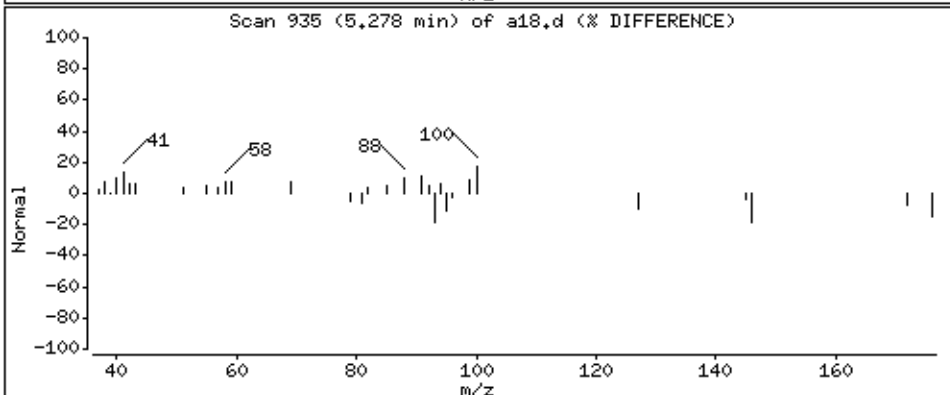
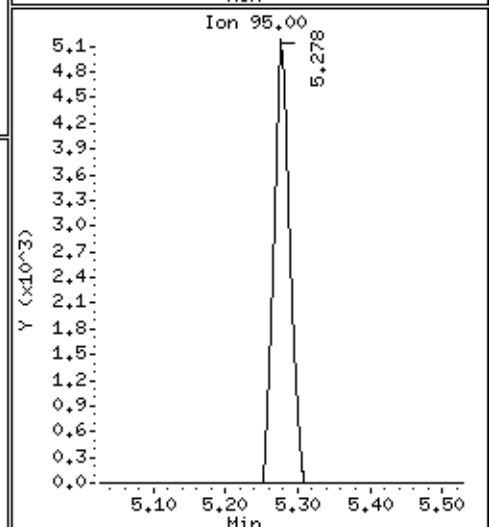
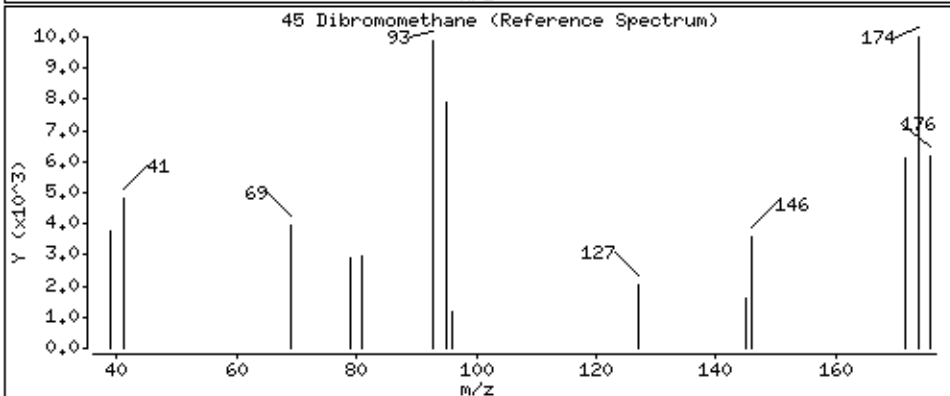
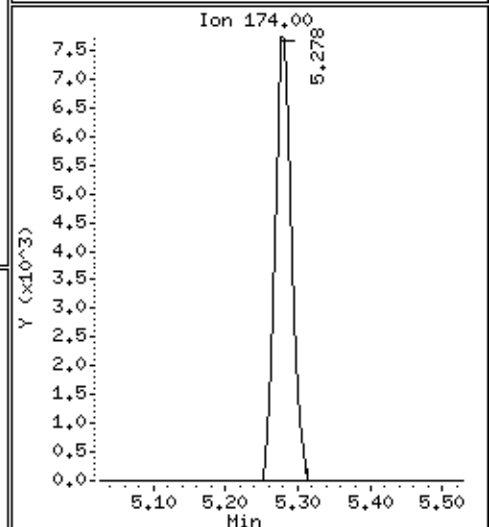
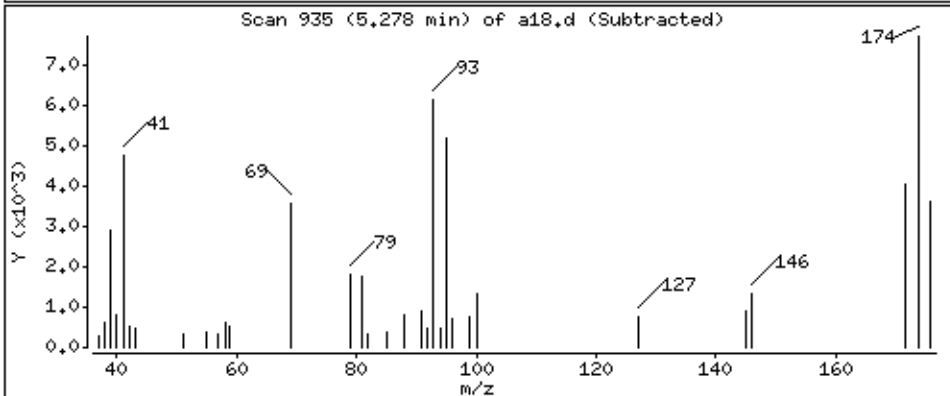
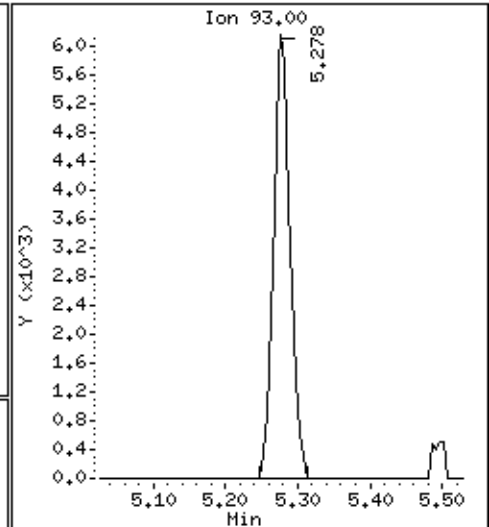
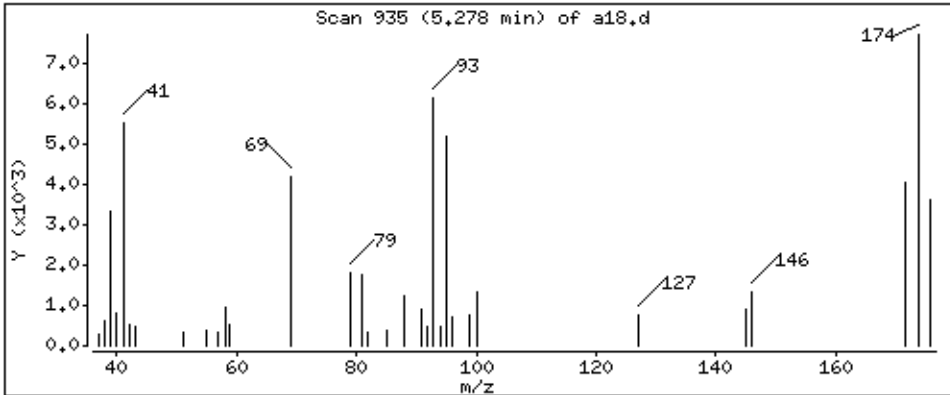
Column phase: DB-624

Column diameter: 0,18

45 Dibromomethane

Concentration: 43,6 ppb

Review Code:



Date : 02-JUL-2014 19:16

Client ID: THW-5(12-14)HSD

Instrument: 50mv3a.i

Sample Info: 1122049,71089;5

Operator: jlz

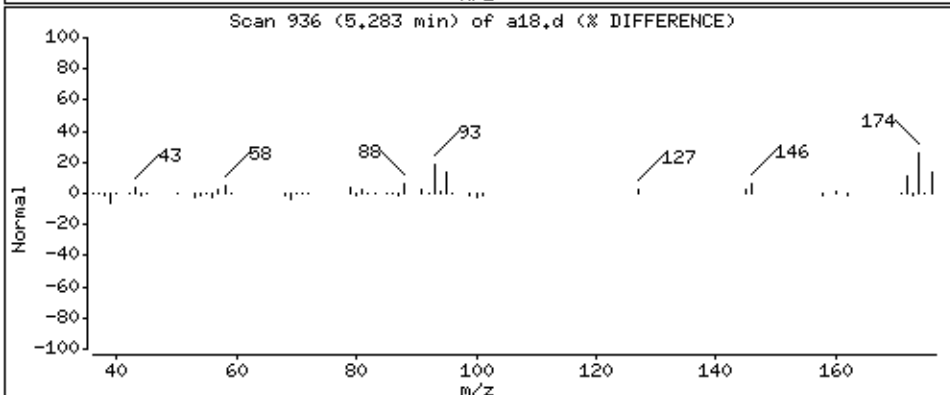
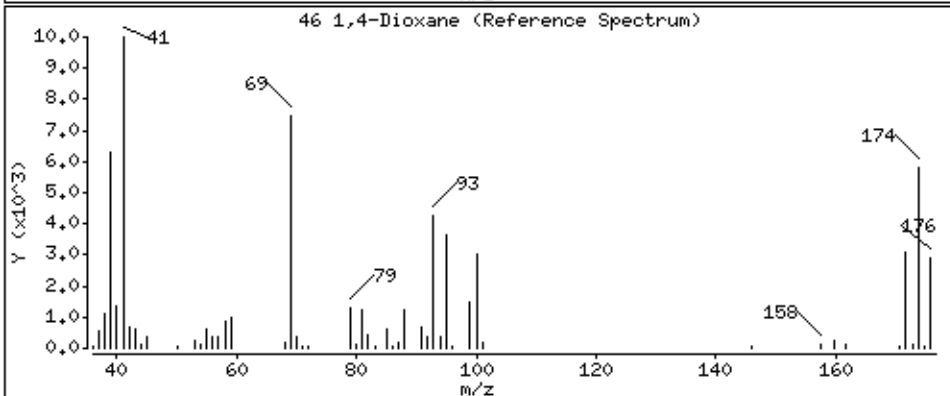
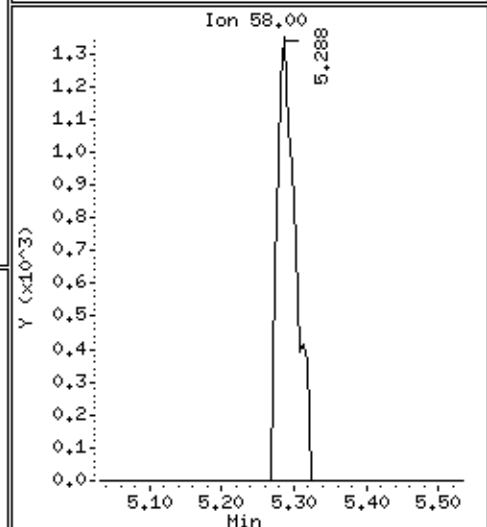
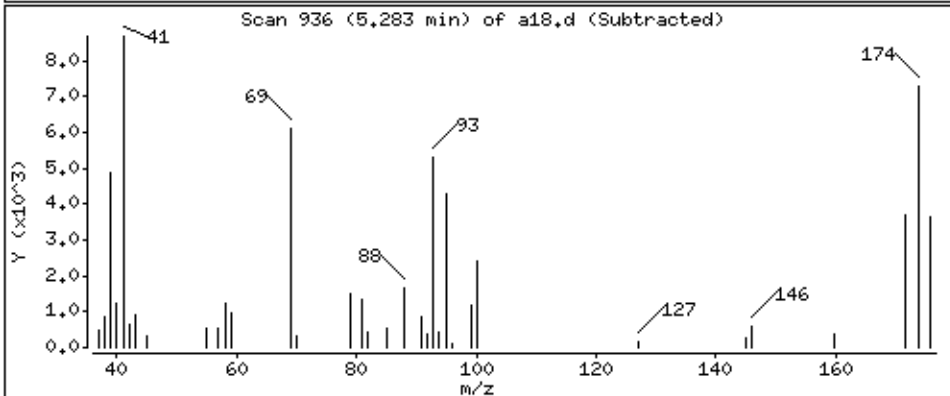
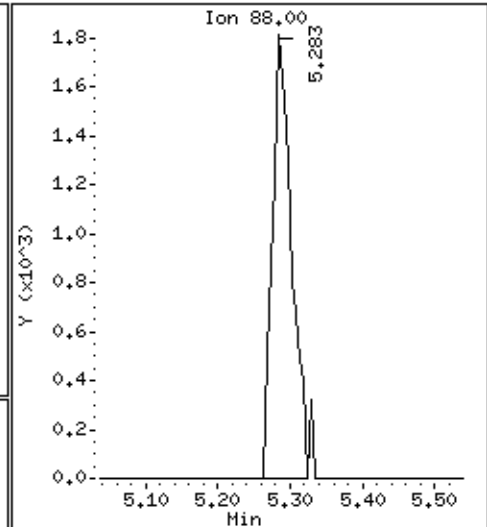
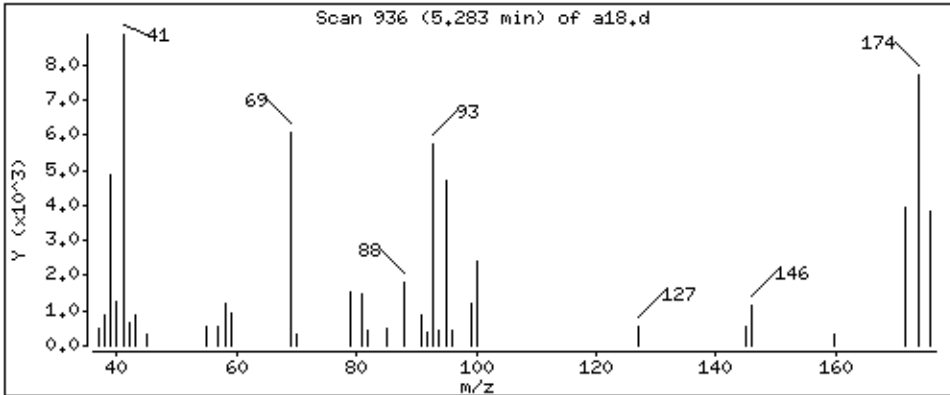
Column phase: DB-624

Column diameter: 0,18

46 1,4-Dioxane

Concentration: 984 ppb

Review Code:



Date : 02-JUL-2014 19:16

Client ID: THW-5(12-14)HSD

Instrument: 50mv3a.i

Sample Info: 1122049,71089;5

Operator: jlz

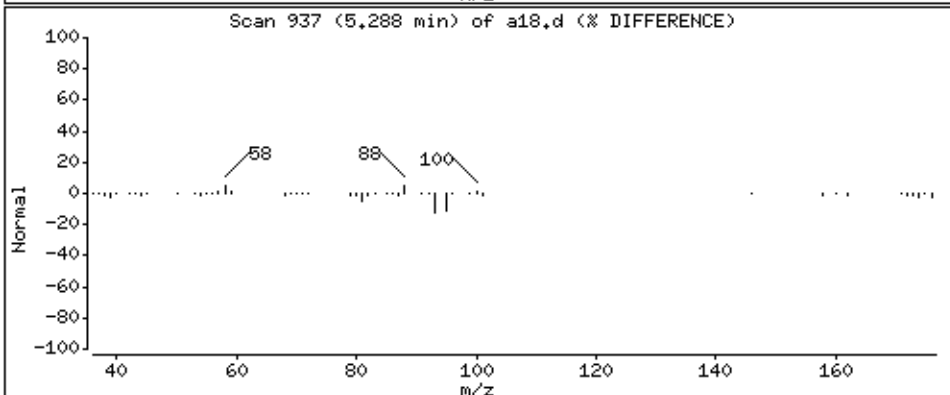
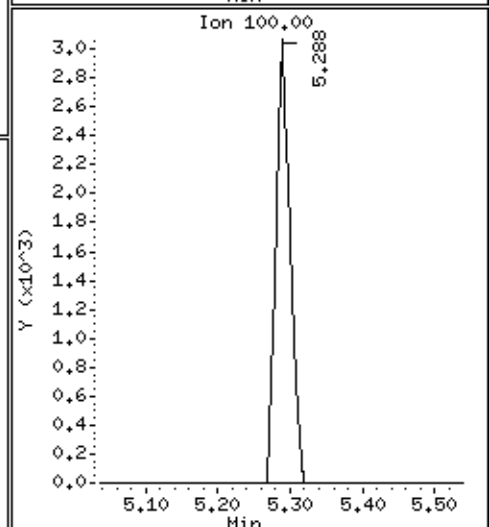
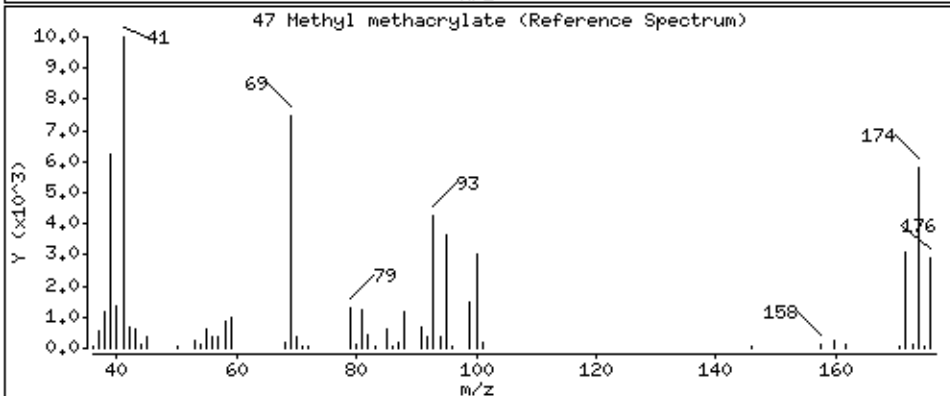
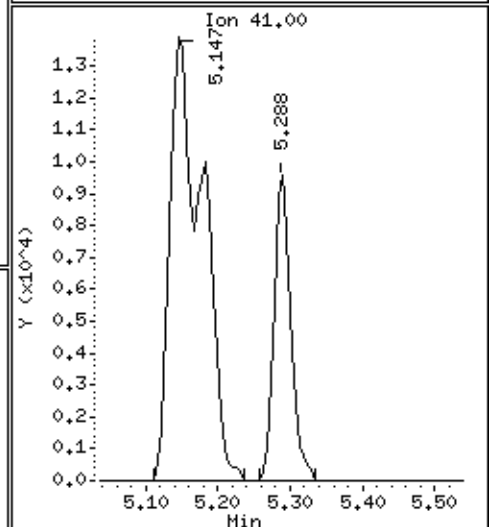
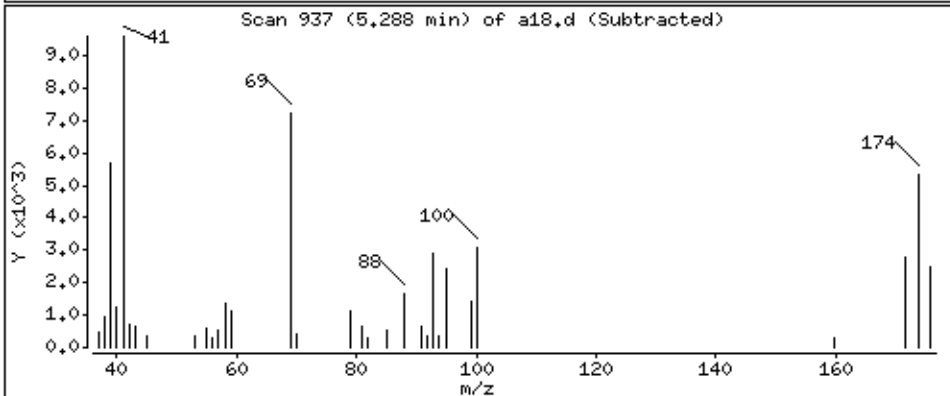
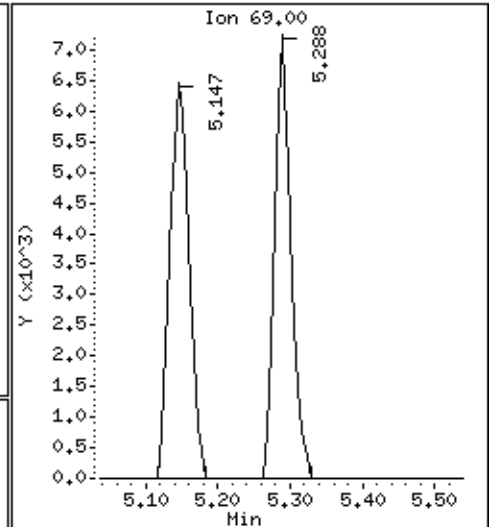
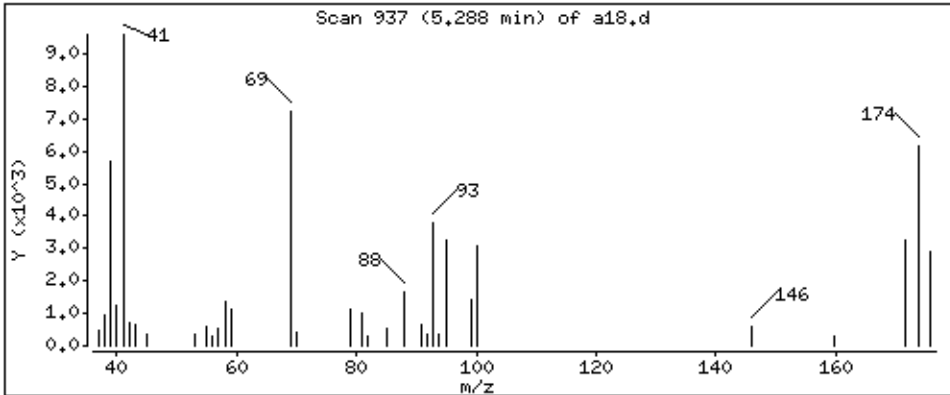
Column phase: DB-624

Column diameter: 0,18

47 Methyl methacrylate

Concentration: 46,8 ppb

Review Code:



Date : 02-JUL-2014 19:16

Client ID: THW-5(12-14)HSD

Instrument: 50mv3a.i

Sample Info: 1122049,71089;5

Operator: jlz

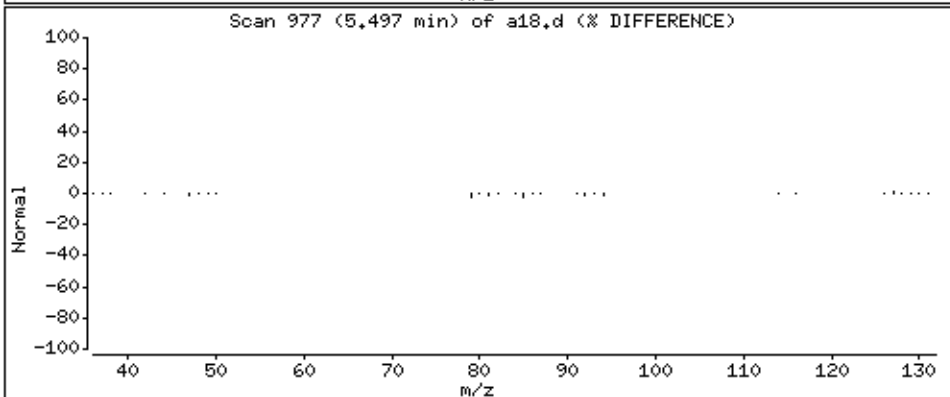
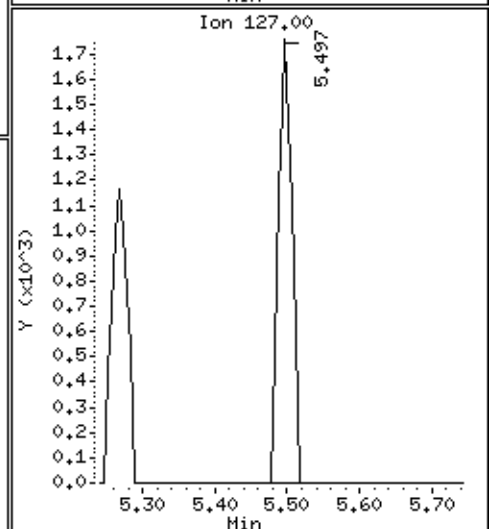
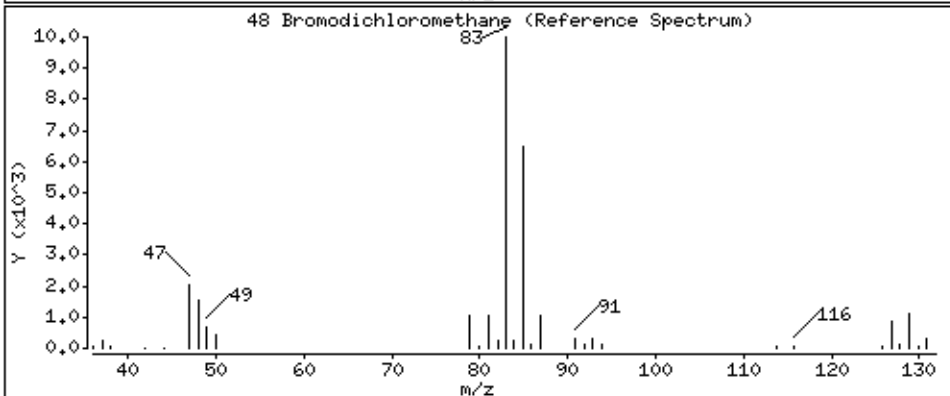
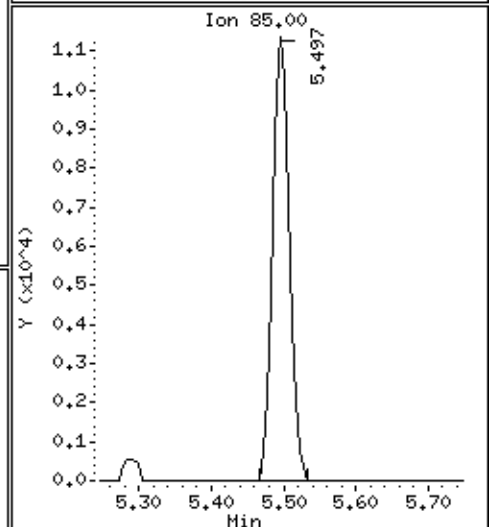
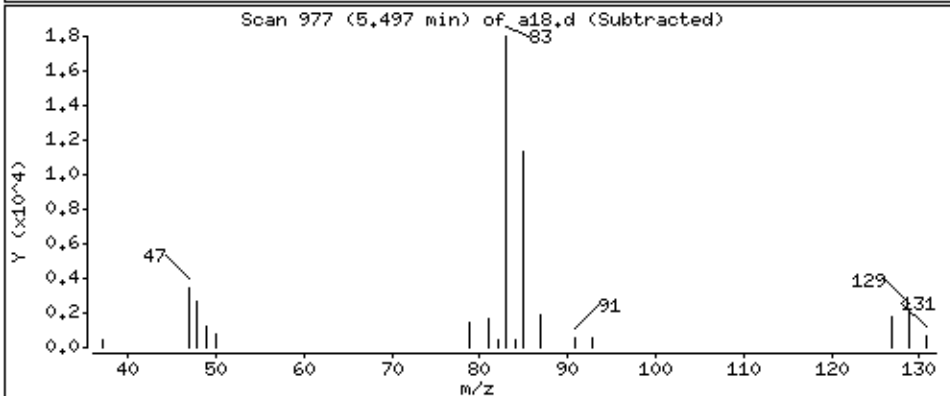
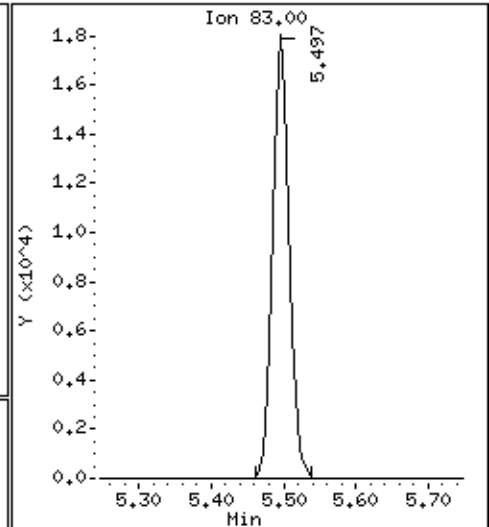
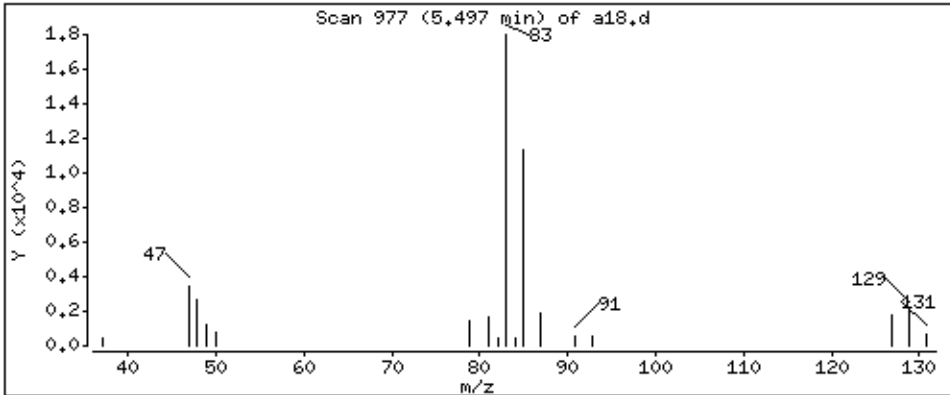
Column phase: DB-624

Column diameter: 0,18

48 Bromodichloromethane

Concentration: 44,3 ppb

Review Code:



Date : 02-JUL-2014 19:16

Client ID: THW-5(12-14)HSD

Instrument: 50mw3a.i

Sample Info: 1122049,71089;5

Operator: jlz

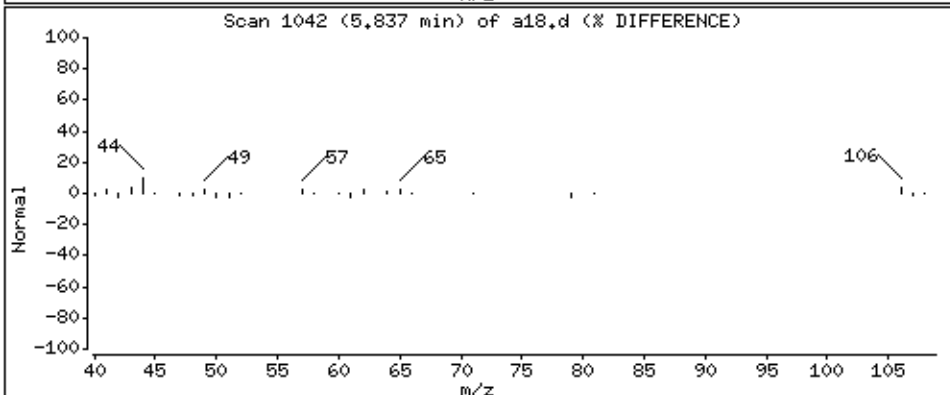
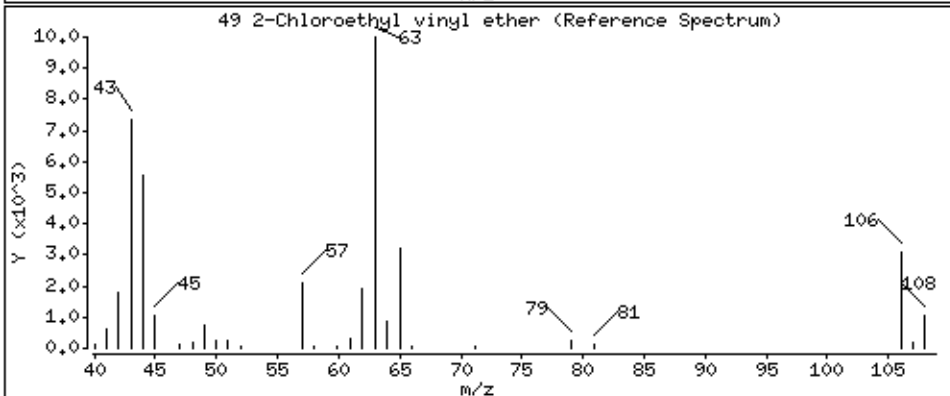
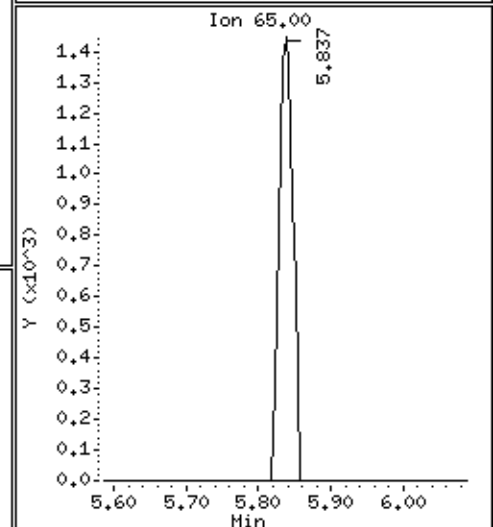
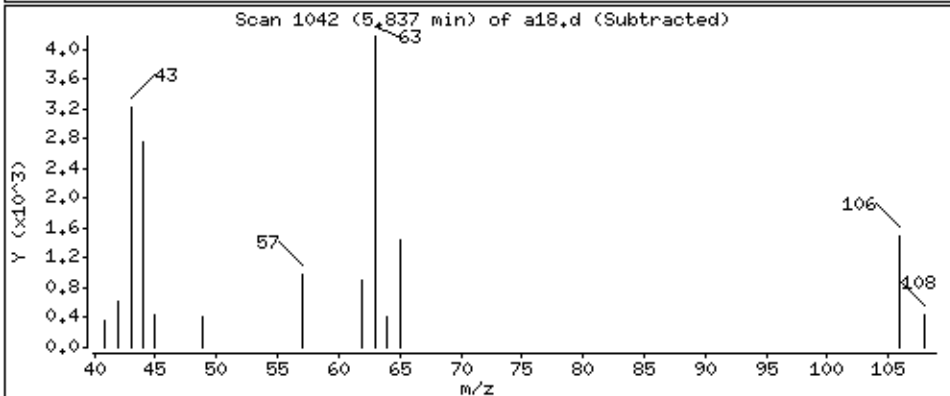
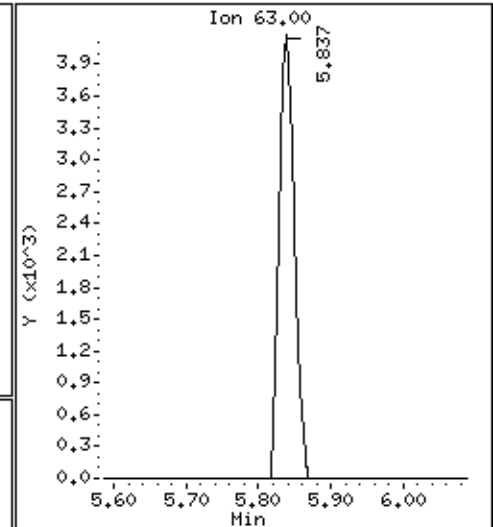
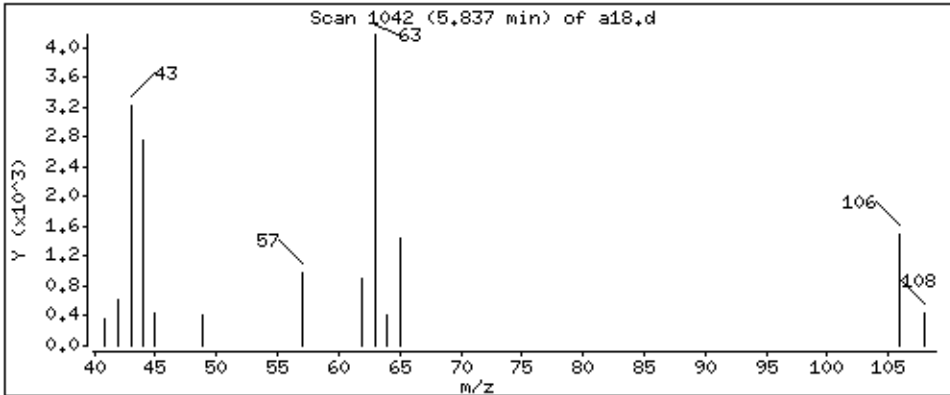
Column phase: DB-624

Column diameter: 0,18

49 2-Chloroethyl vinyl ether

Concentration: 43,1 ppb

Review Code:



Date : 02-JUL-2014 19:16

Client ID: THW-5(12-14)HSD

Instrument: 50mv3a.i

Sample Info: 1122049,71089;5

Operator: jlz

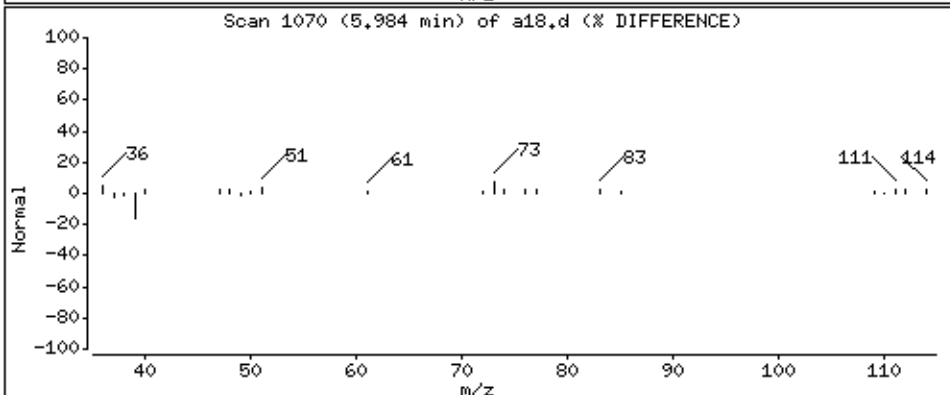
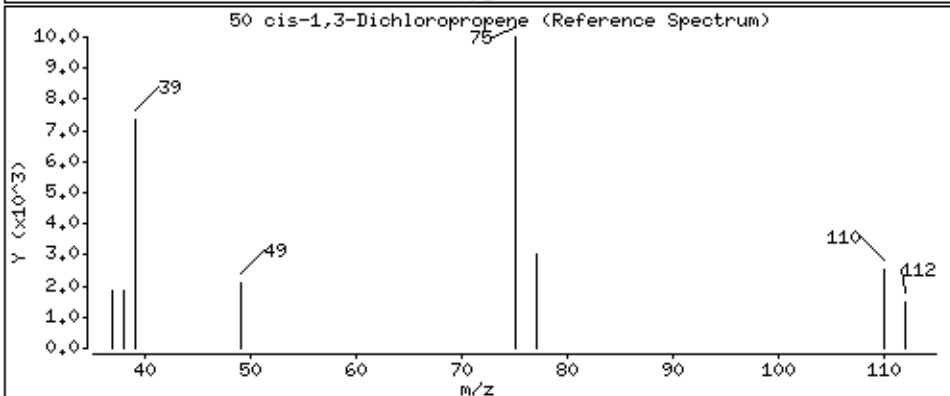
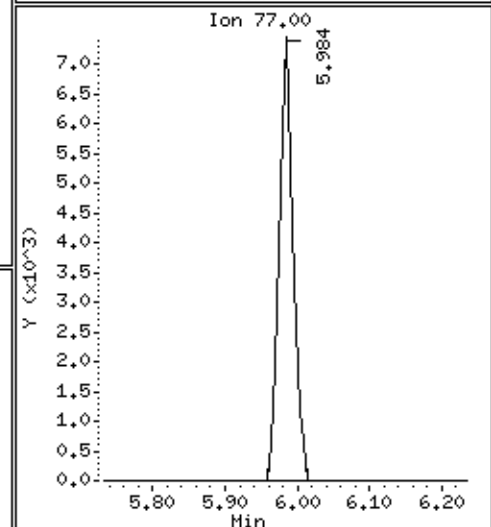
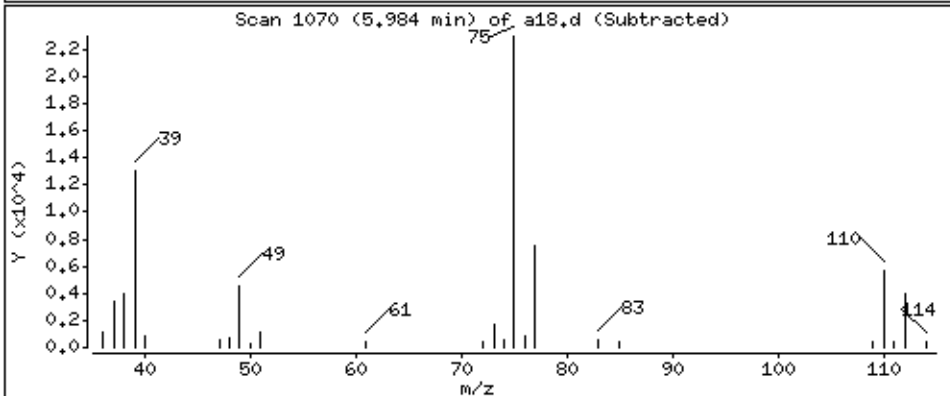
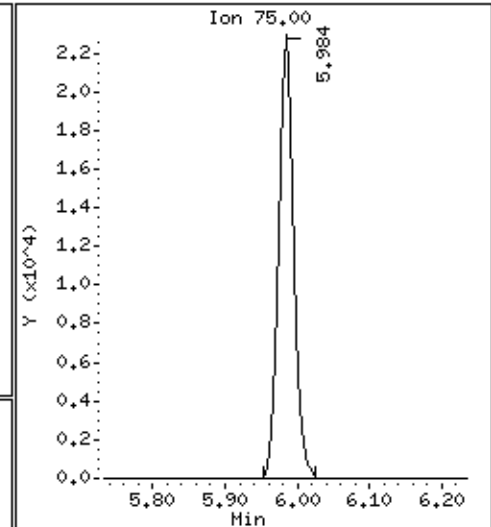
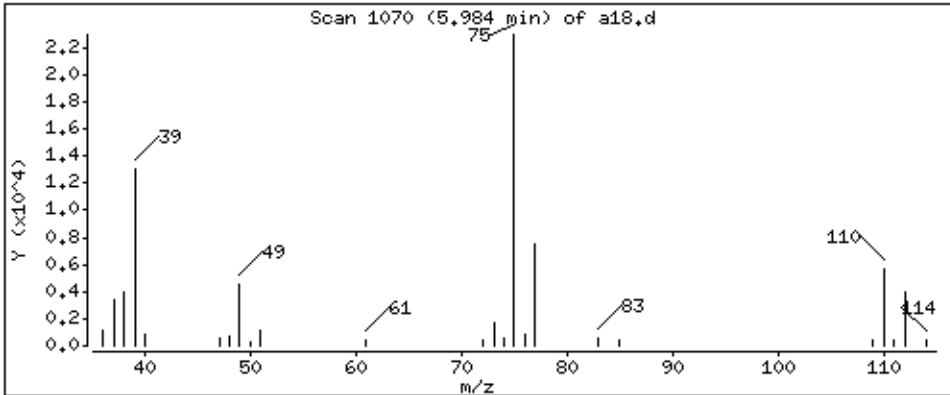
Column phase: DB-624

Column diameter: 0,18

50 cis-1,3-Dichloropropene

Concentration: 40,0 ppb

Review Code:



Date : 02-JUL-2014 19:16

Client ID: THW-5(12-14)HSD

Instrument: 50mv3a.i

Sample Info: 1122049,71089;5

Operator: jlz

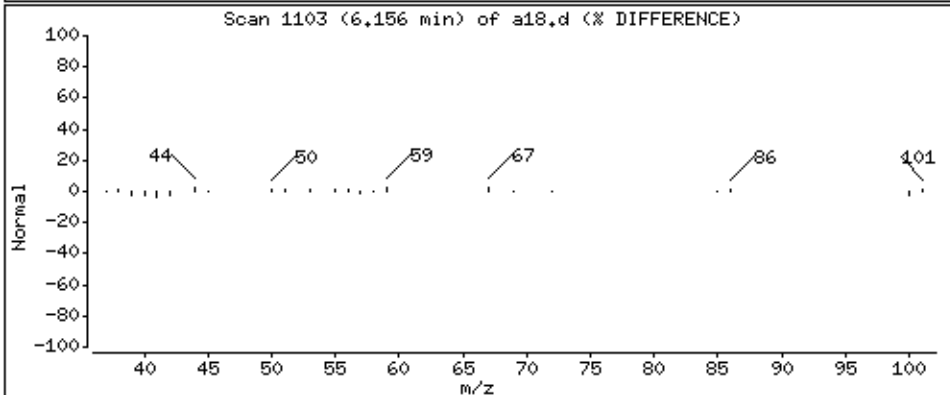
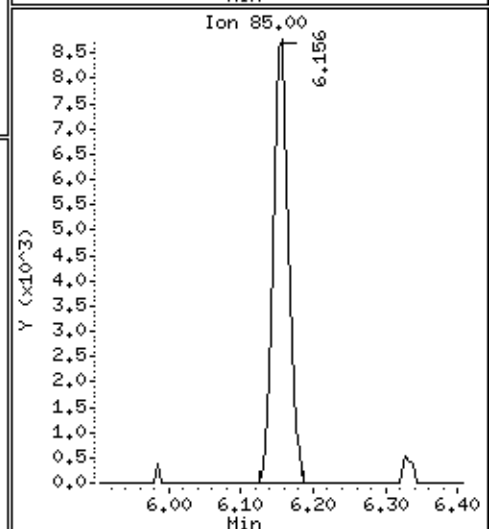
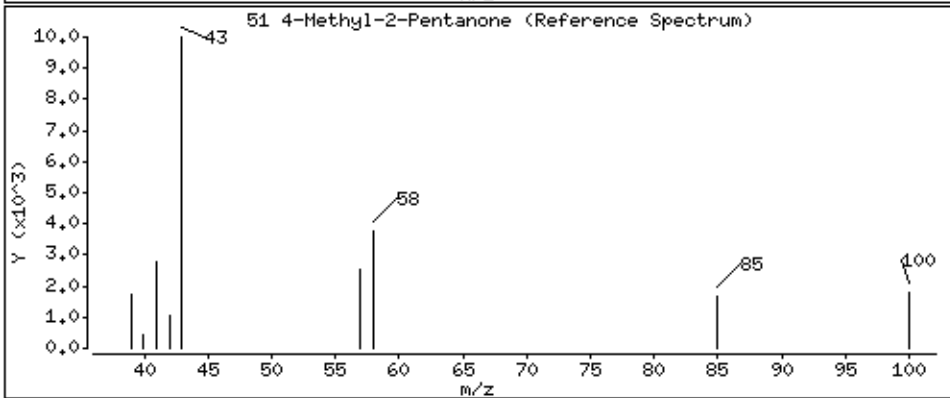
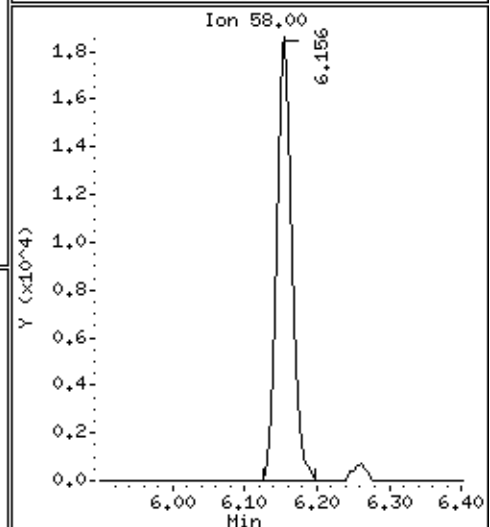
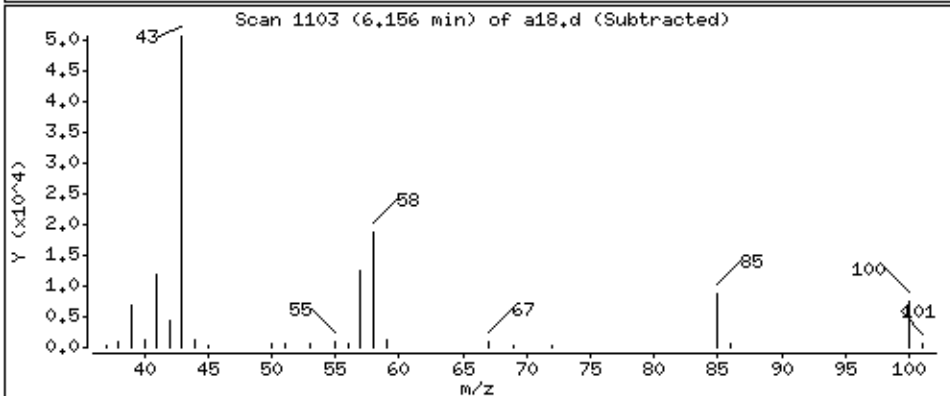
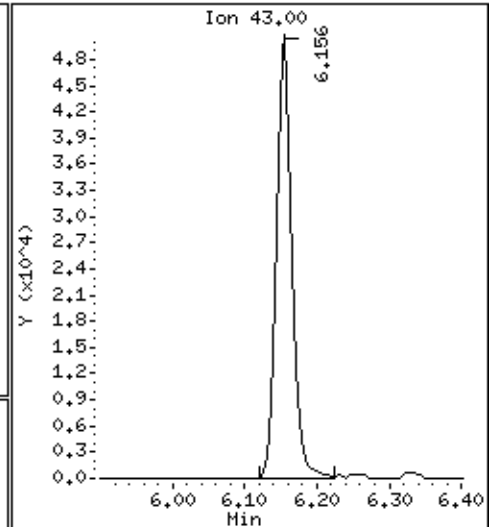
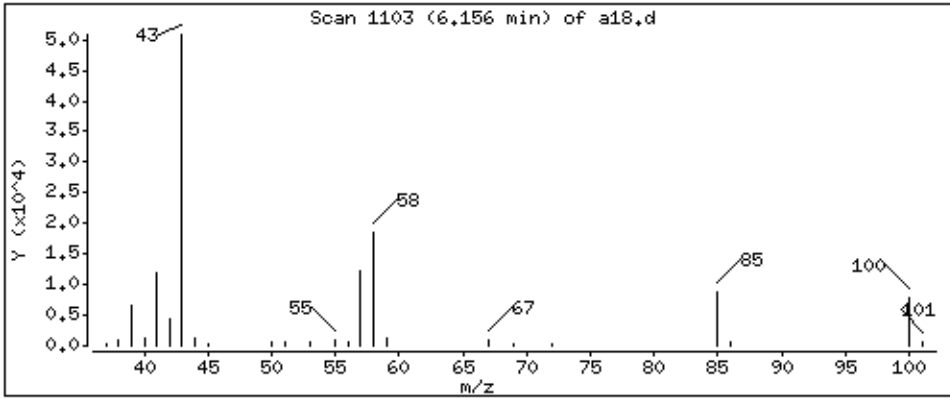
Column phase: DB-624

Column diameter: 0,18

51 4-Methyl-2-Pentanone

Concentration: 220 ppb

Review Code:



Date : 02-JUL-2014 19:16

Client ID: THW-5(12-14)HSD

Instrument: 50mw3a.i

Sample Info: 1122049,71089;5

Operator: jlz

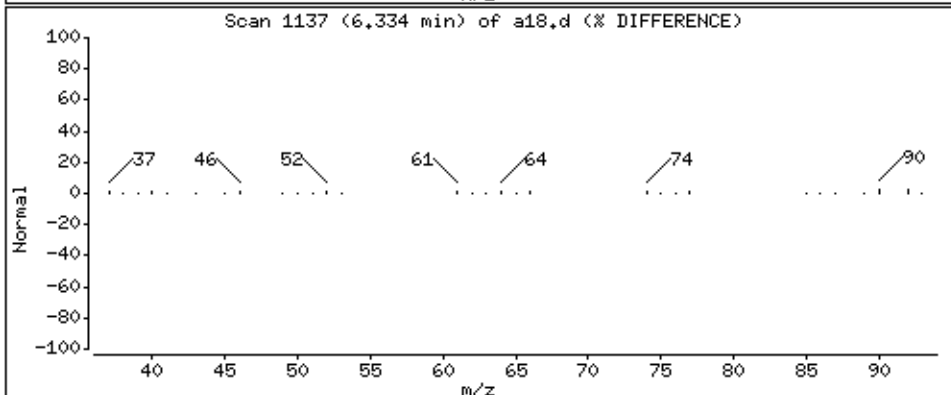
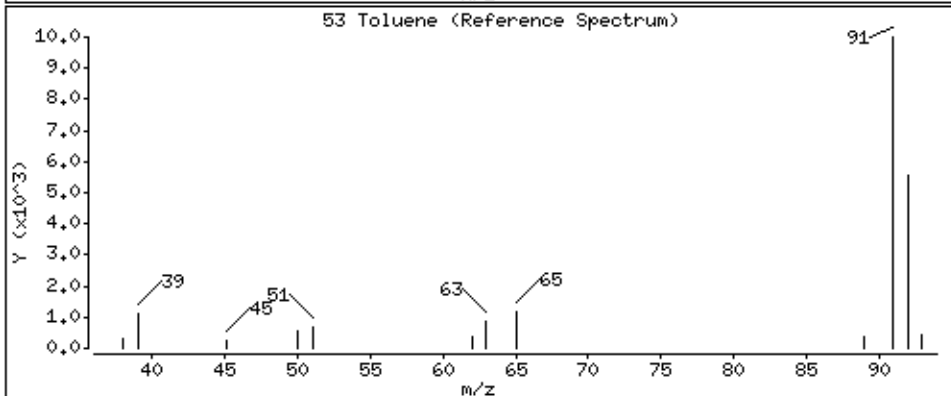
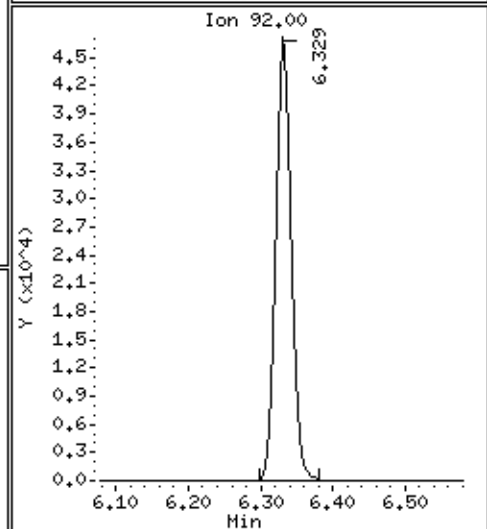
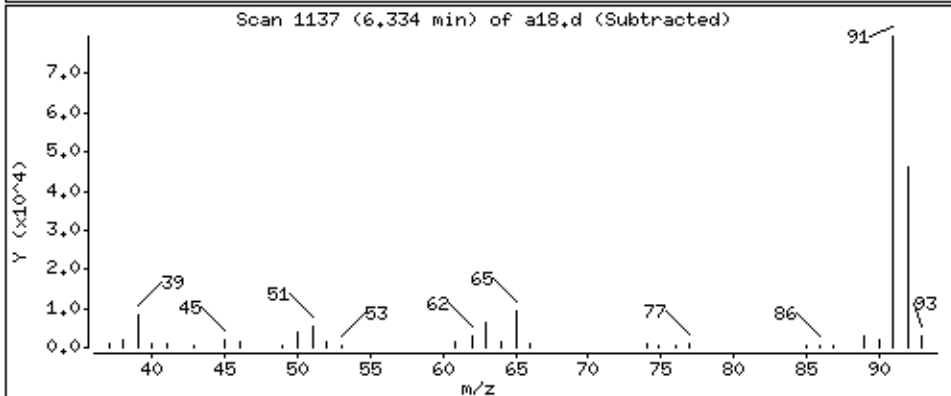
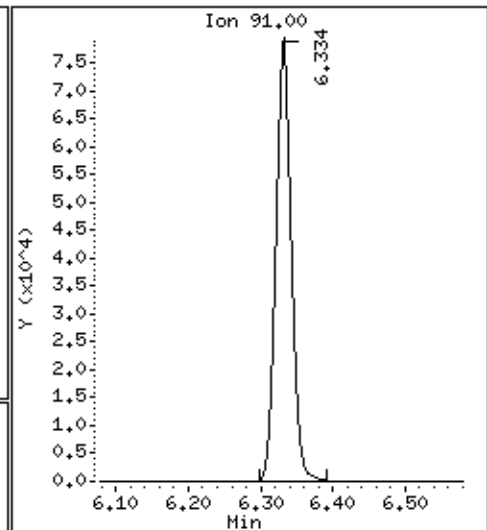
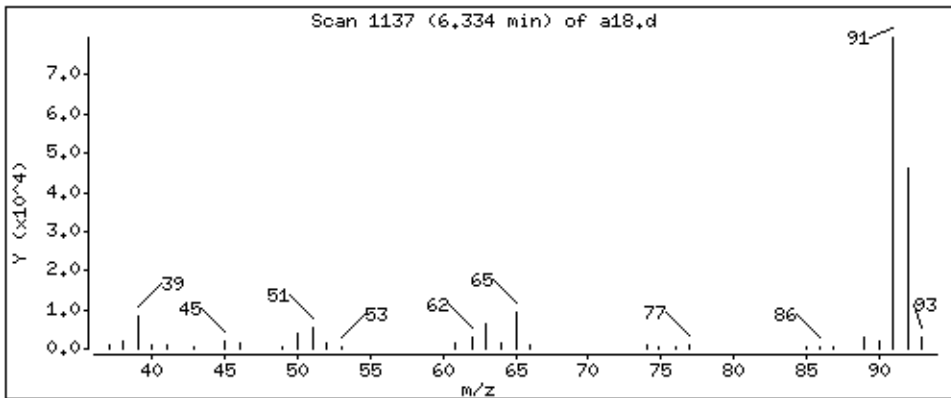
Column phase: DB-624

Column diameter: 0,18

53 Toluene

Concentration: 41.3 ppb

Review Code:



Date : 02-JUL-2014 19:16

Client ID: THW-5(12-14)HSD

Instrument: 50mw3a.i

Sample Info: 1122049,71089;5

Operator: jlz

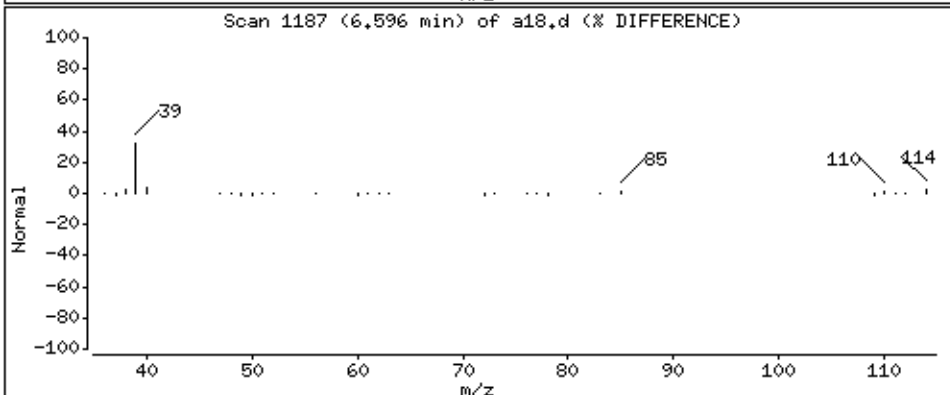
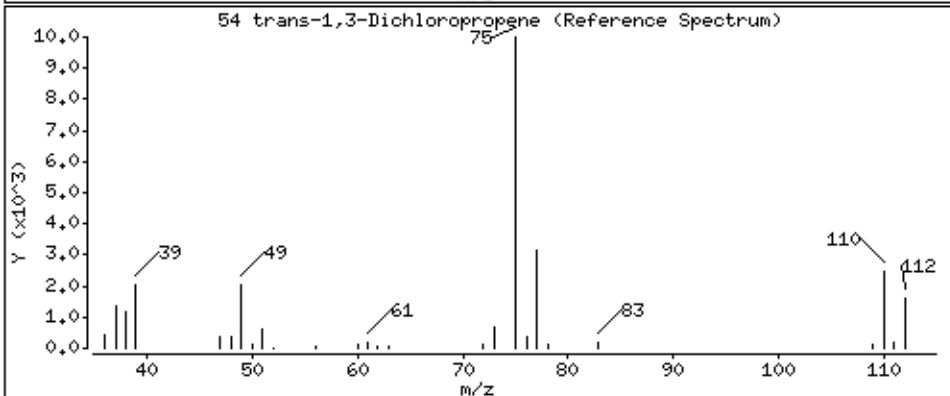
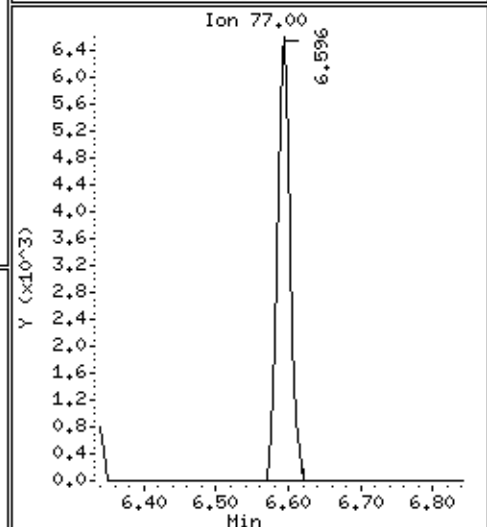
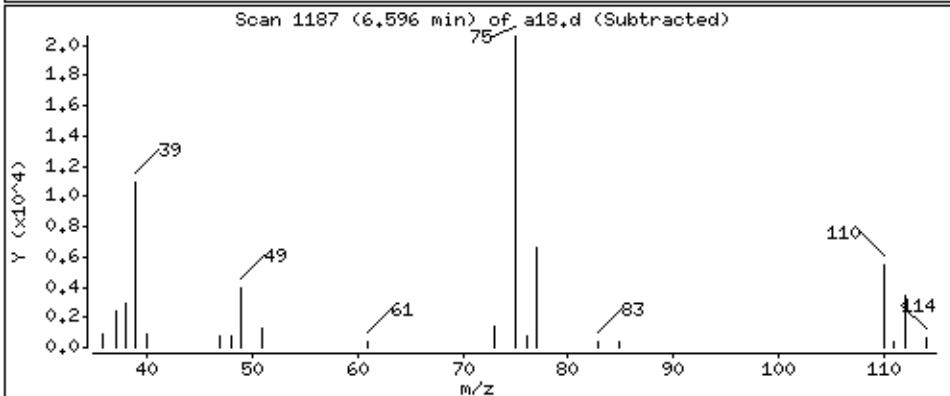
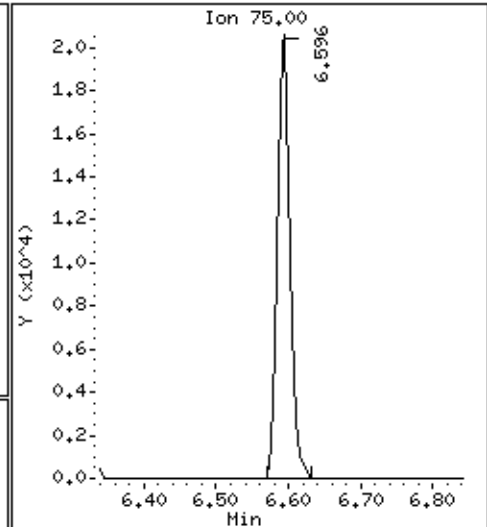
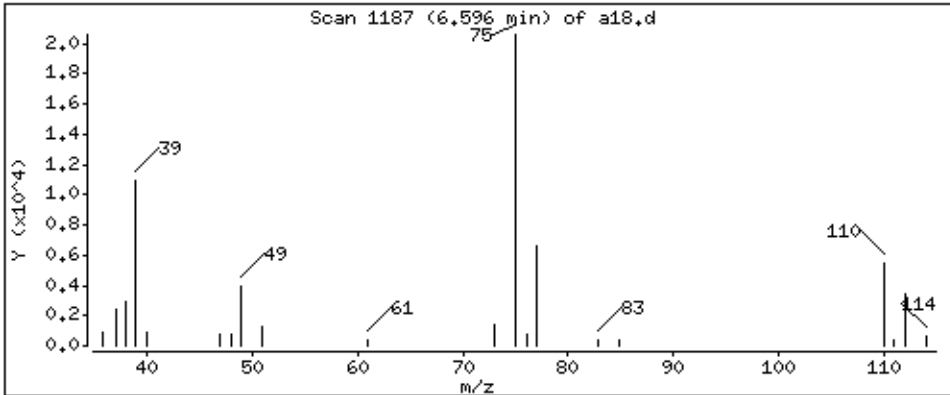
Column phase: DB-624

Column diameter: 0,18

54 trans-1,3-Dichloropropene

Concentration: 40,9 ppb

Review Code:



Date : 02-JUL-2014 19:16

Client ID: THW-5(12-14)HSD

Instrument: 50mv3a.i

Sample Info: 1122049,71089;5

Operator: jlz

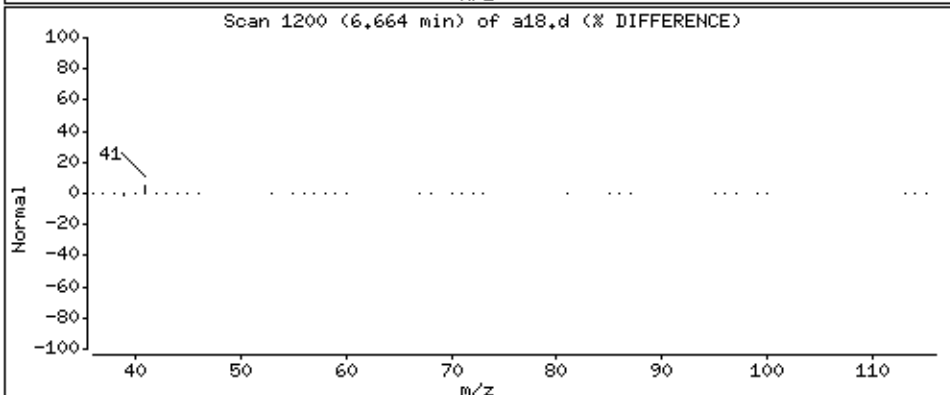
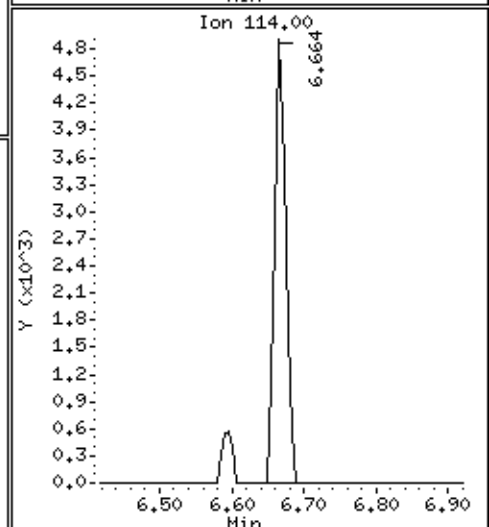
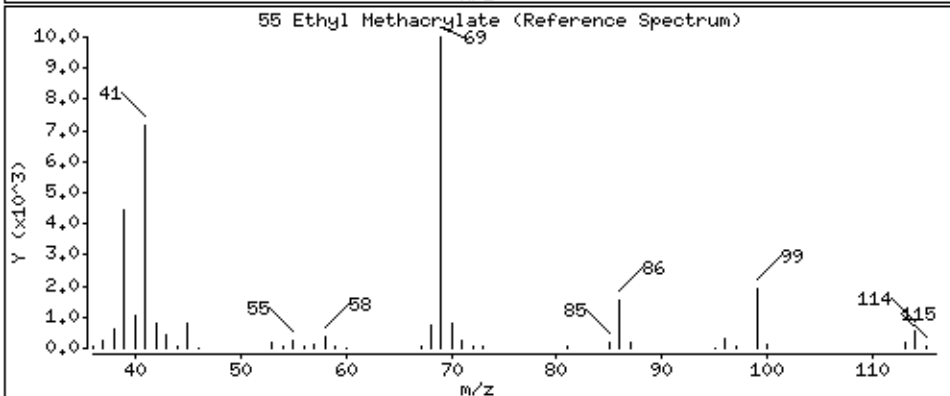
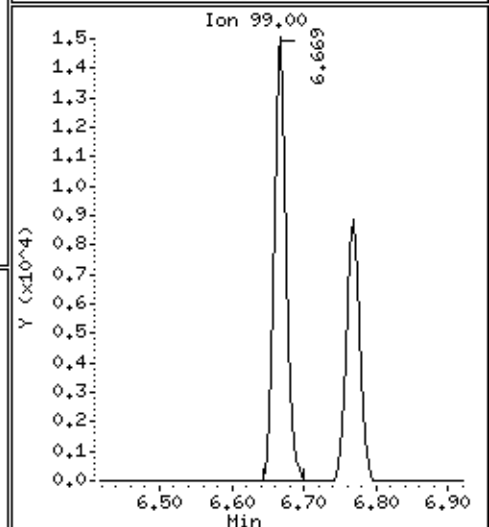
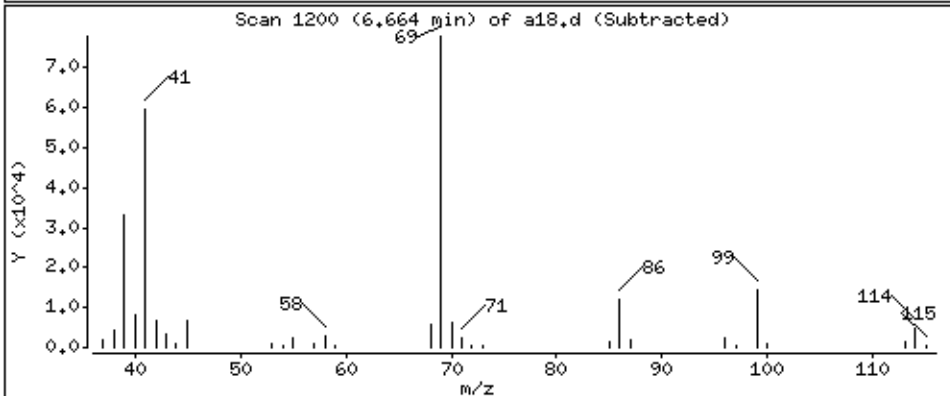
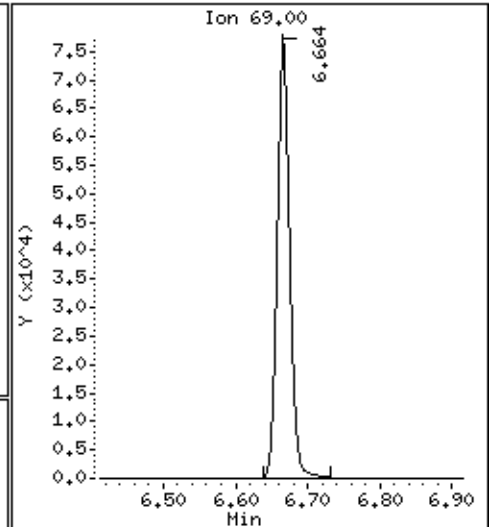
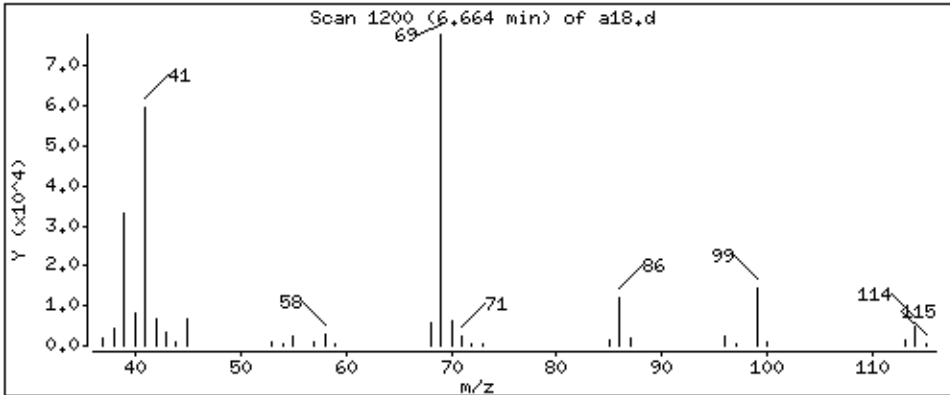
Column phase: DB-624

Column diameter: 0,18

55 Ethyl Methacrylate

Concentration: 160 ppb

Review Code:



Date : 02-JUL-2014 19:16

Client ID: THW-5(12-14)HSD

Instrument: 50mv3a.i

Sample Info: 1122049,71089;5

Operator: jlz

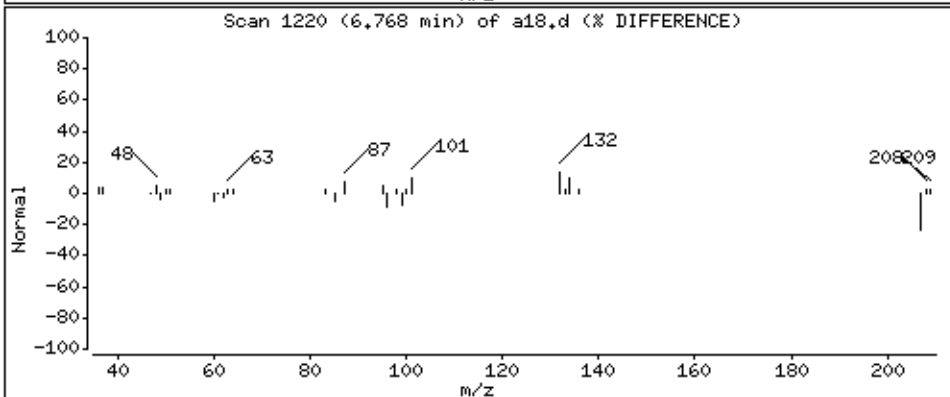
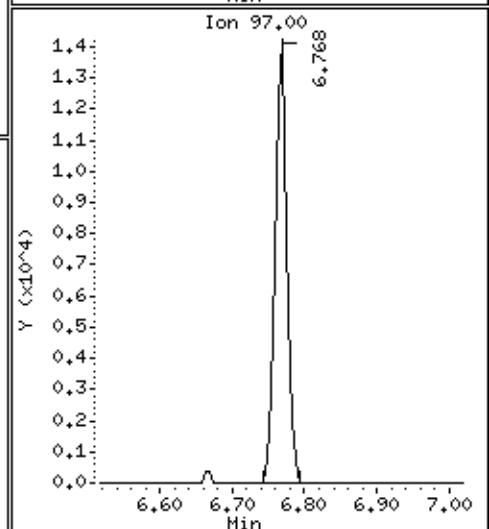
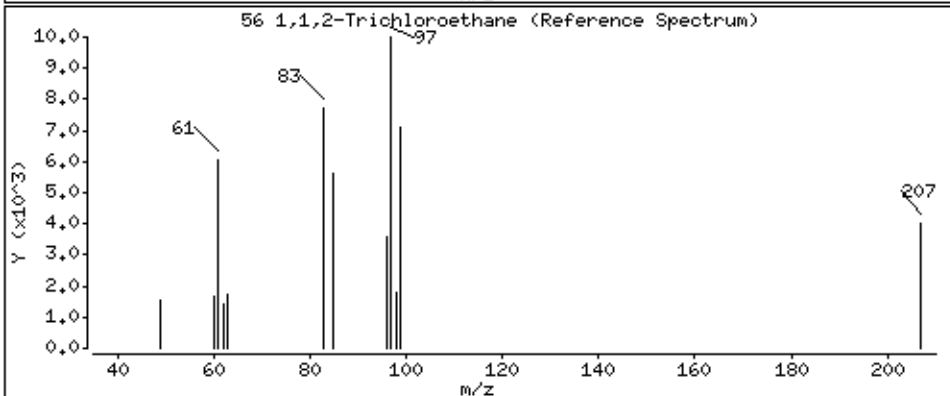
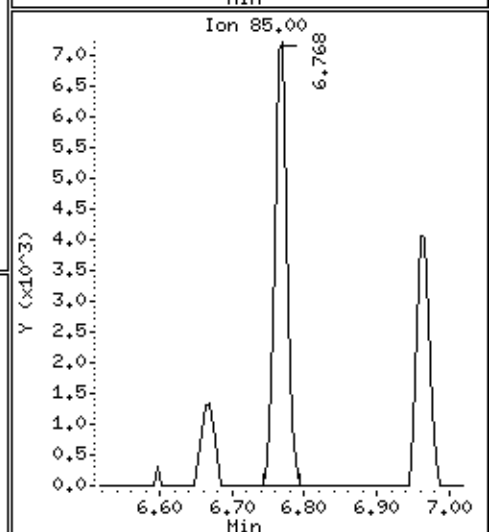
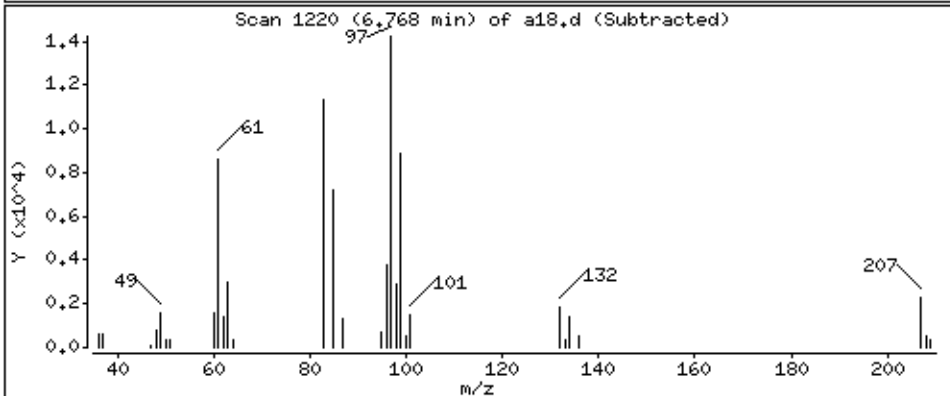
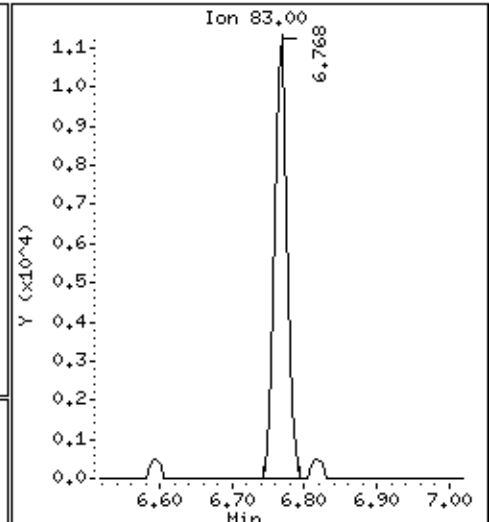
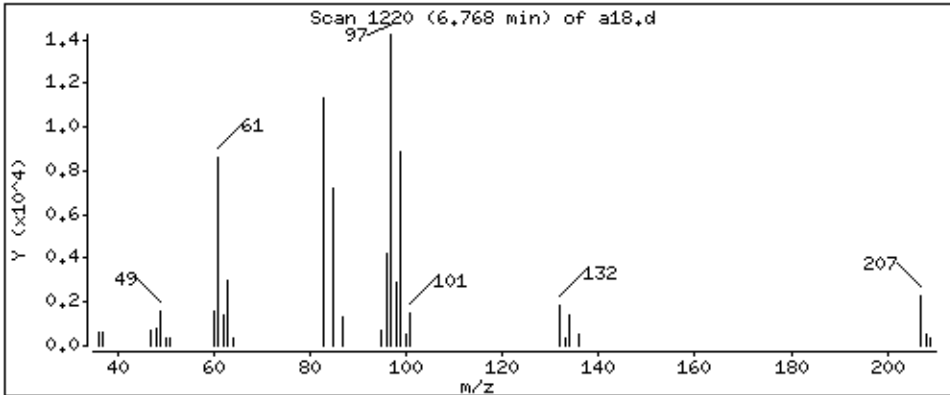
Column phase: DB-624

Column diameter: 0,18

56 1,1,2-Trichloroethane

Concentration: 43.3 ppb

Review Code:



Date : 02-JUL-2014 19:16

Client ID: THW-5(12-14)HSD

Instrument: 50mv3a.i

Sample Info: 1122049,71089;5

Operator: jlz

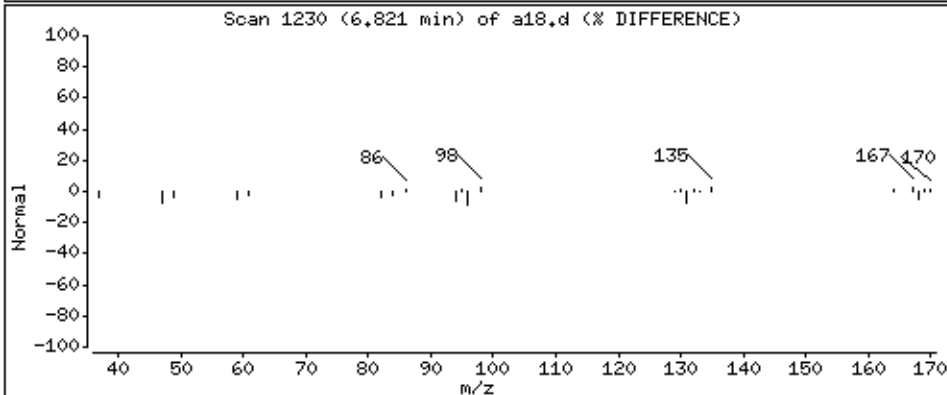
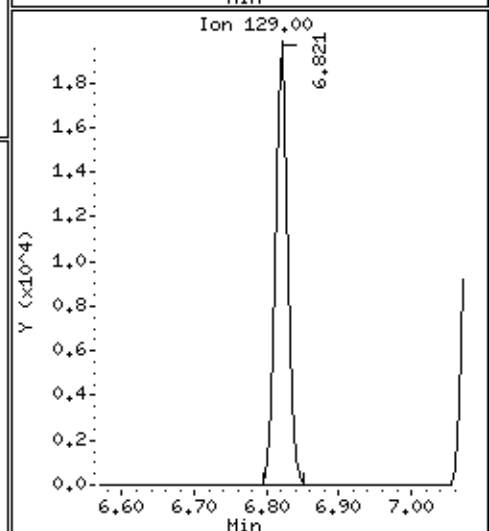
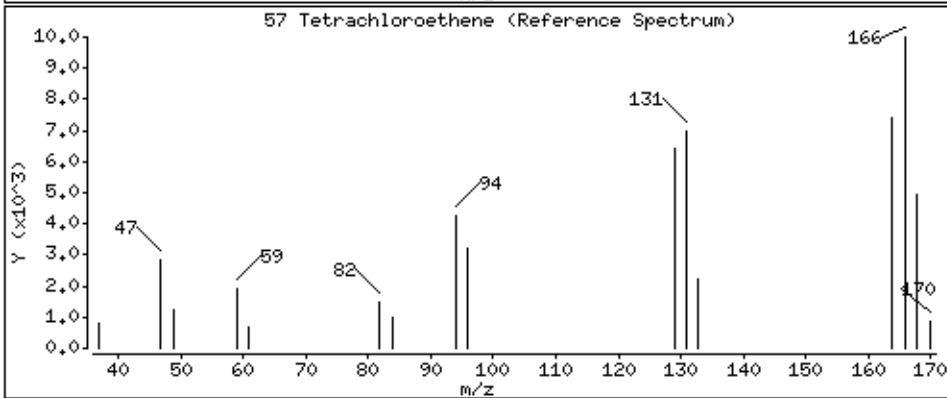
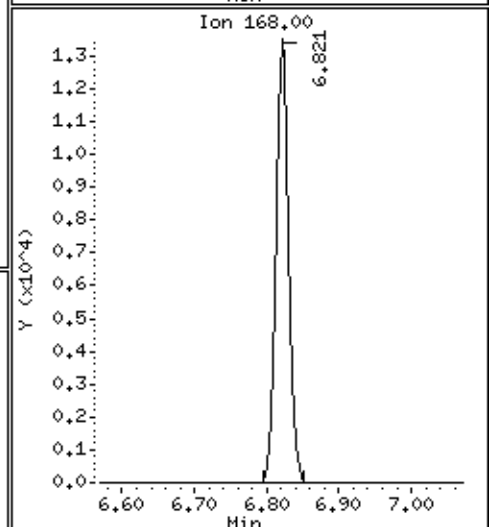
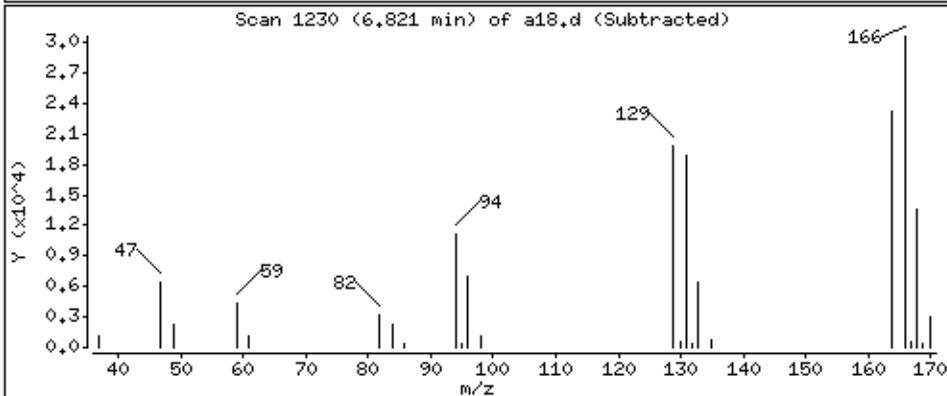
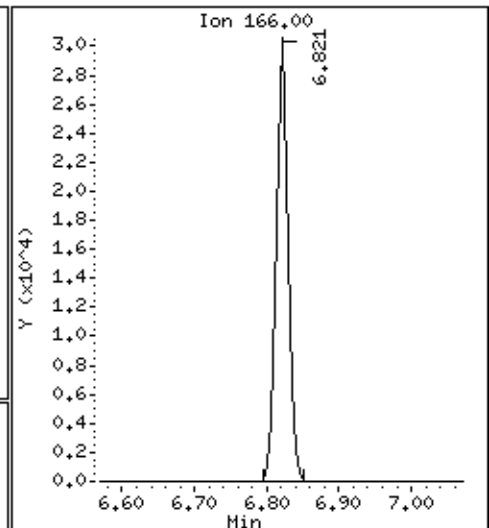
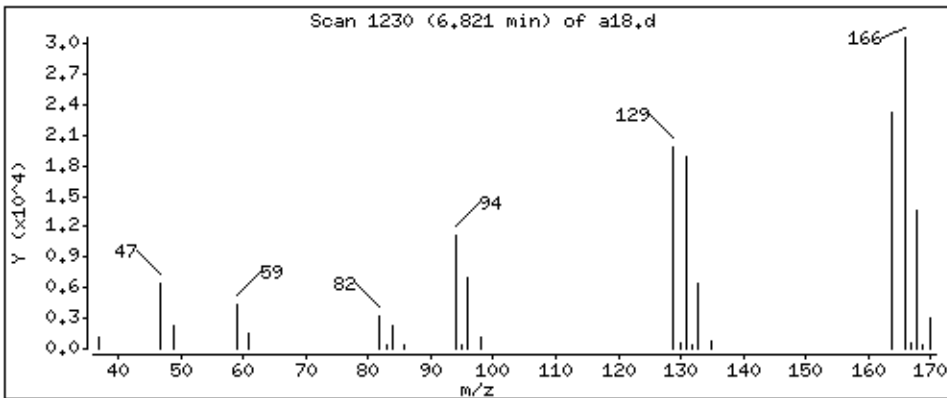
Column phase: DB-624

Column diameter: 0,18

57 Tetrachloroethene

Concentration: 43.4 ppb

Review Code:



Date : 02-JUL-2014 19:16

Client ID: THW-5(12-14)HSD

Instrument: 50mw3a.i

Sample Info: 1122049,71089;5

Operator: jlz

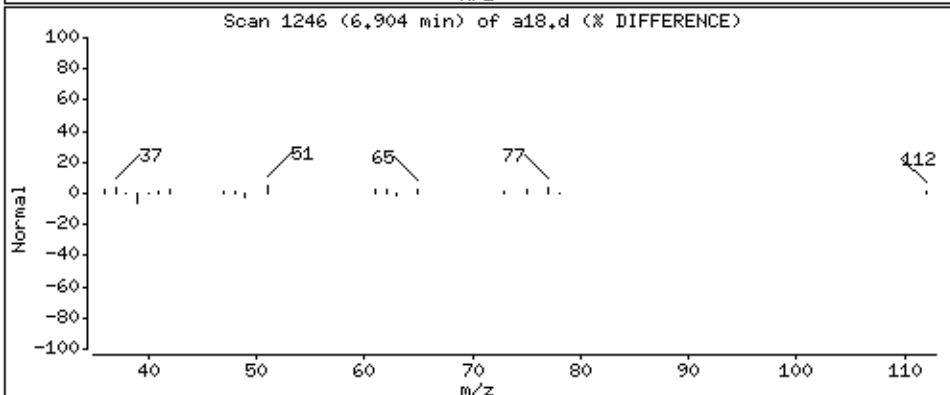
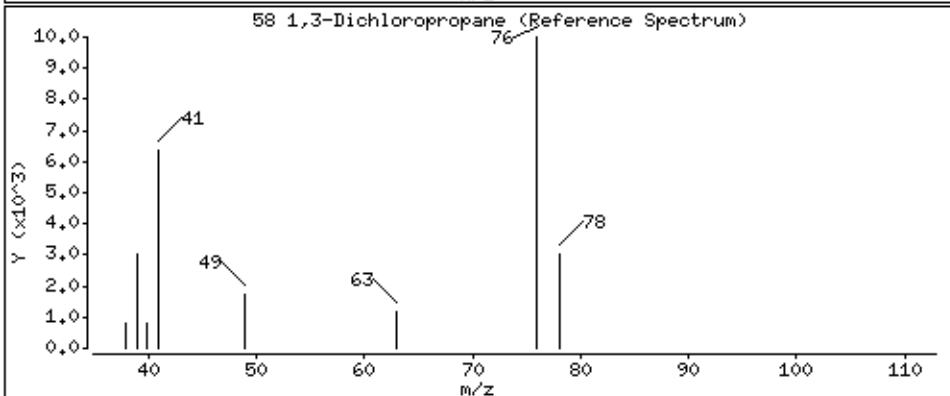
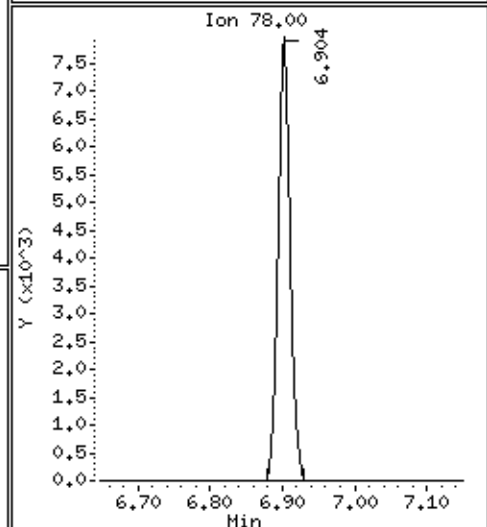
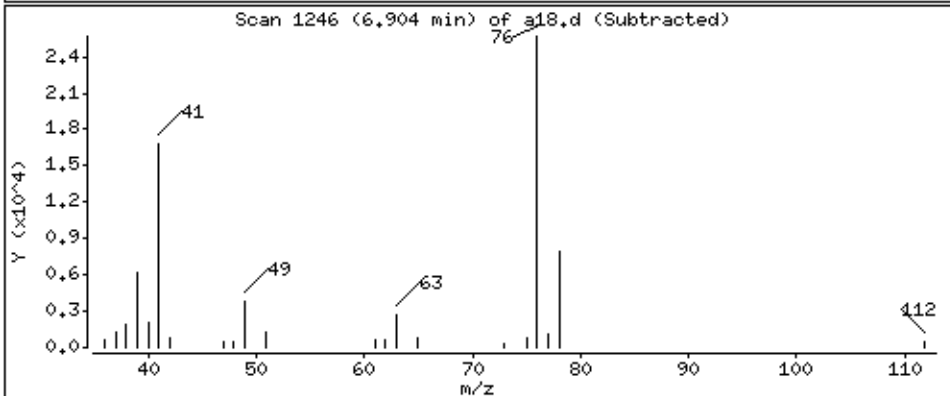
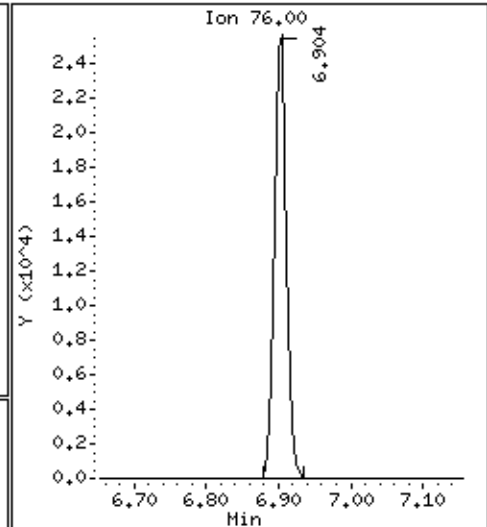
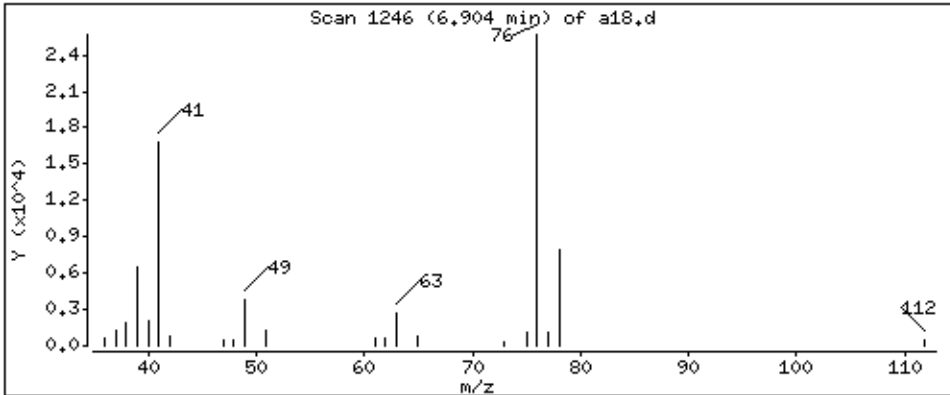
Column phase: DB-624

Column diameter: 0,18

58 1,3-Dichloropropane

Concentration: 41.5 ppb

Review Code:



Date : 02-JUL-2014 19:16

Client ID: THW-5(12-14)HSD

Instrument: 50mw3a.i

Sample Info: 1122049,71089;5

Operator: jlz

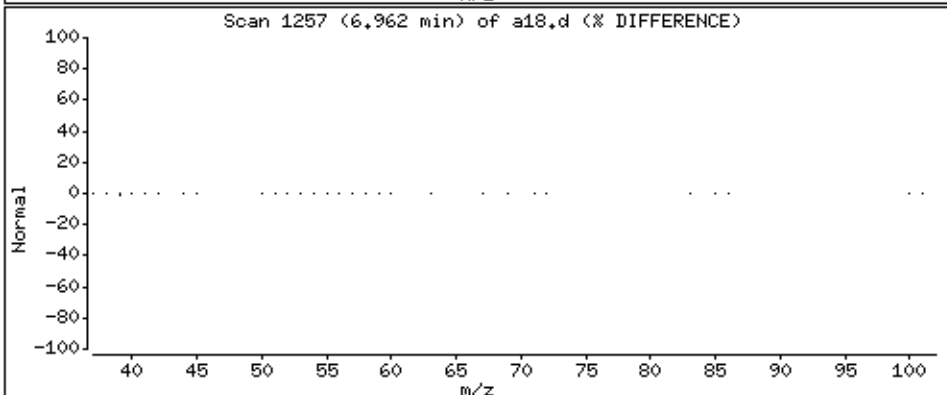
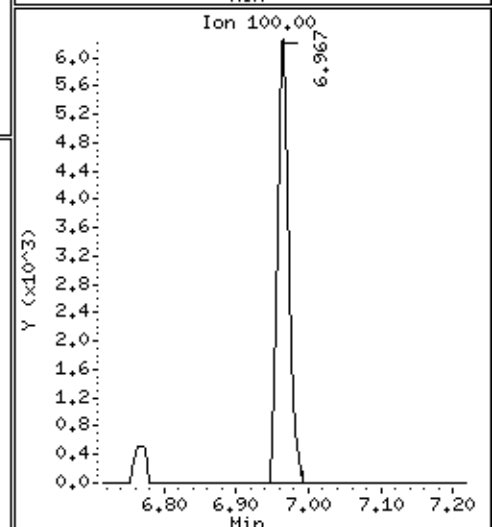
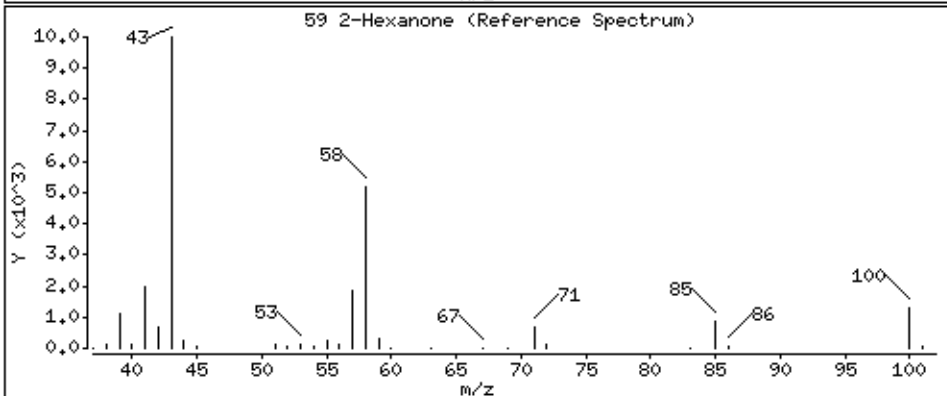
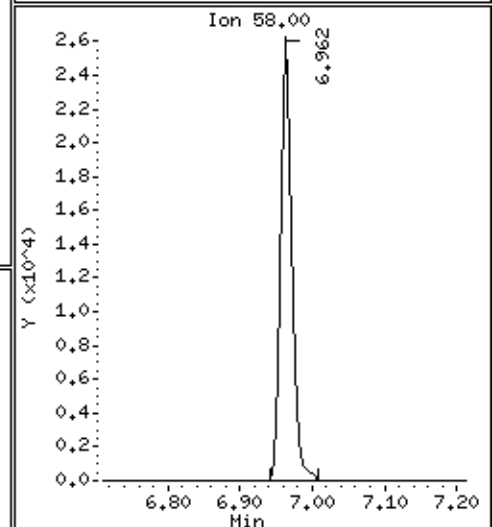
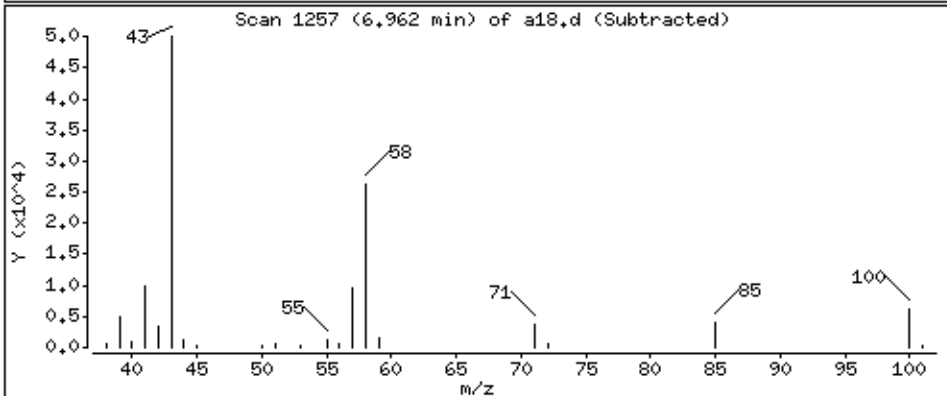
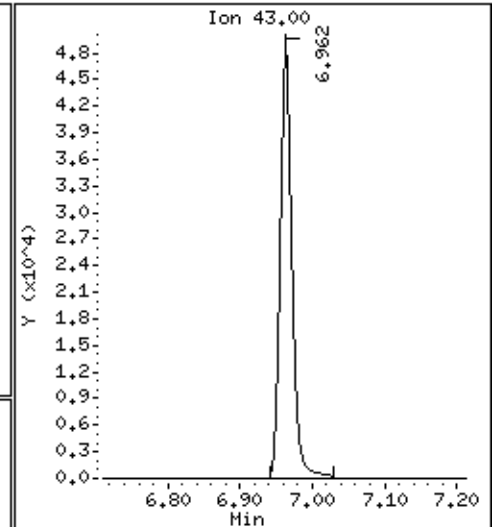
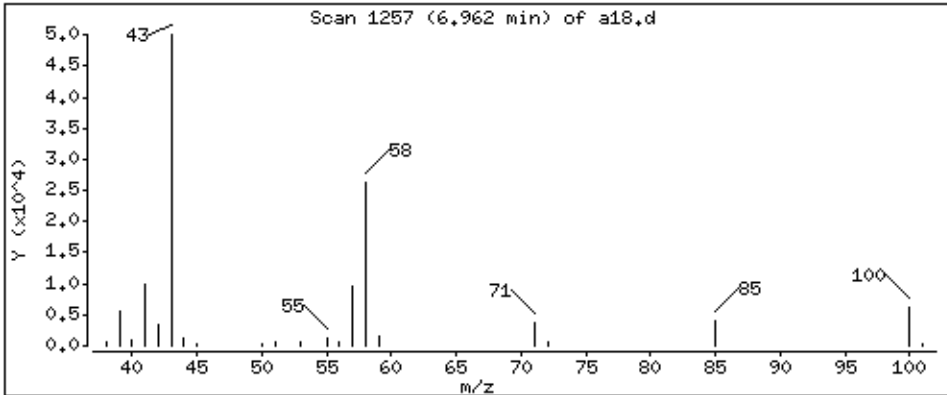
Column phase: DB-624

Column diameter: 0,18

59 2-Hexanone

Concentration: 244 ppb

Review Code:



Date : 02-JUL-2014 19:16

Client ID: THW-5(12-14)HSD

Instrument: 50mw3a.i

Sample Info: 1122049,71089;5

Operator: jlz

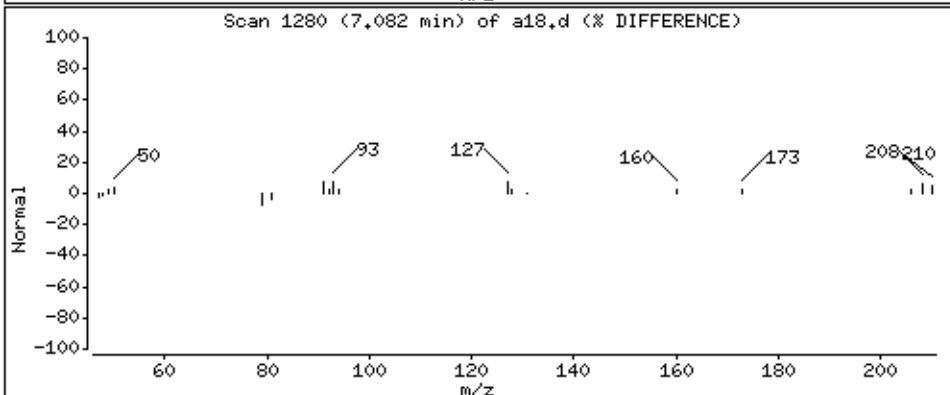
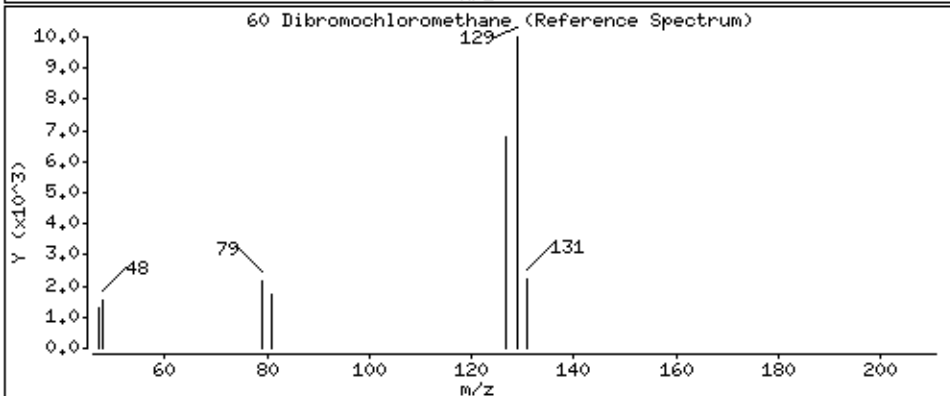
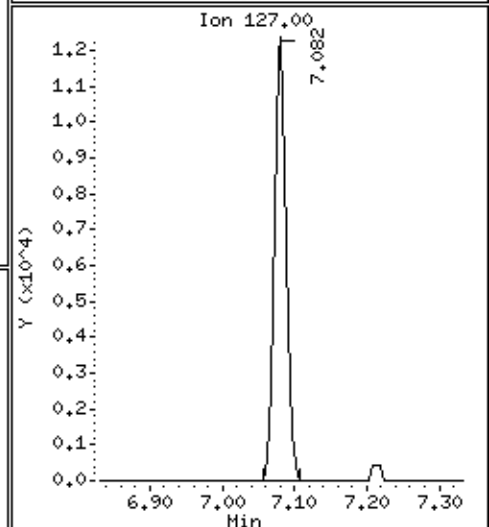
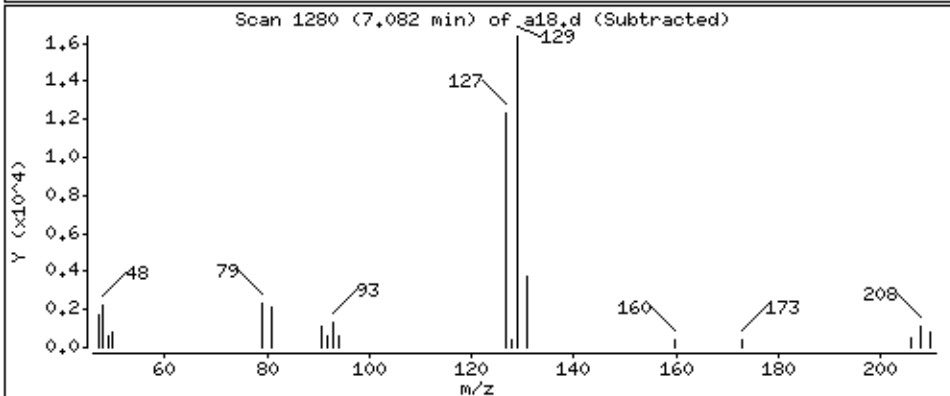
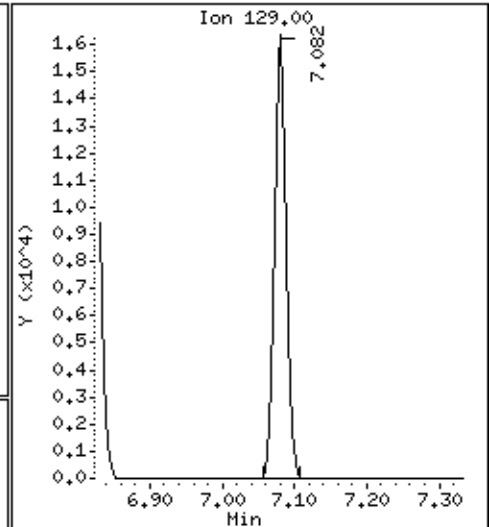
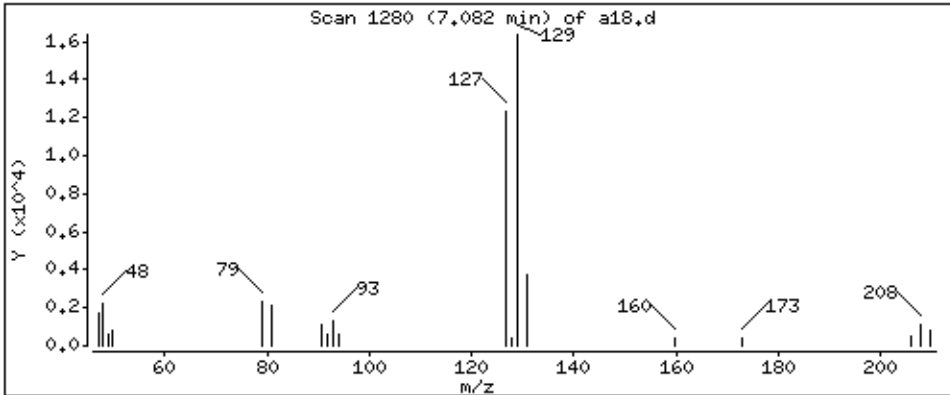
Column phase: DB-624

Column diameter: 0,18

60 Dibromochloromethane

Concentration: 39,8 ppb

Review Code:



Date : 02-JUL-2014 19:16

Client ID: THW-5(12-14)HSD

Instrument: 50mw3a.i

Sample Info: 1122049,71089;5

Operator: jlz

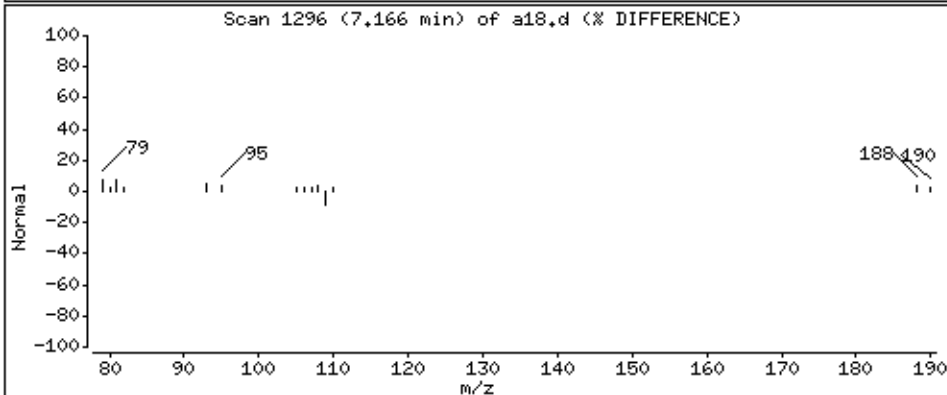
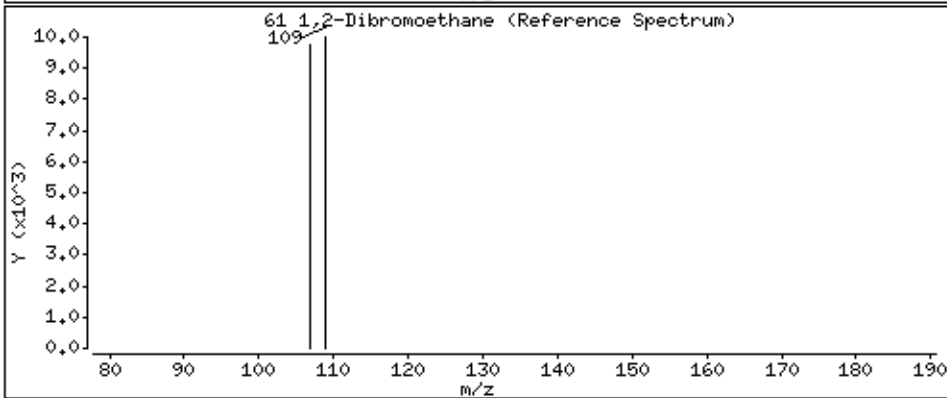
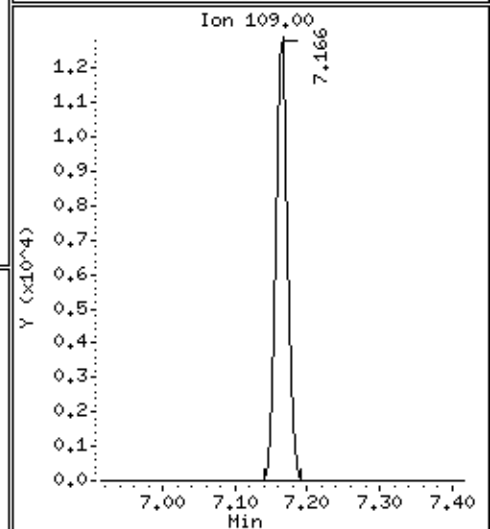
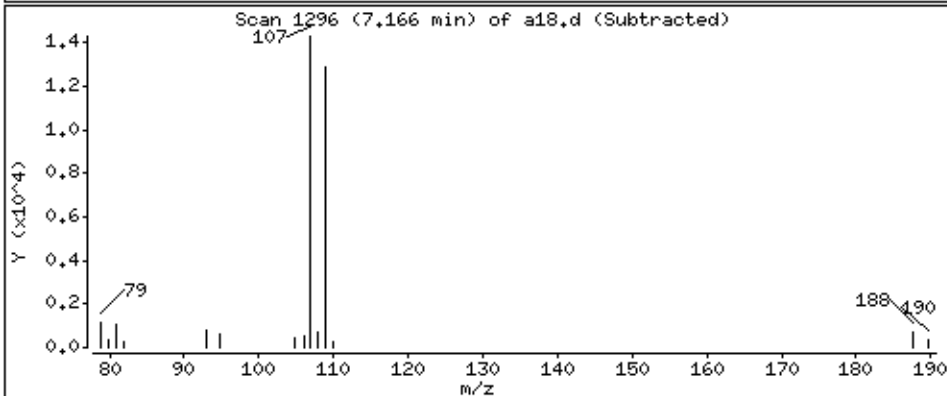
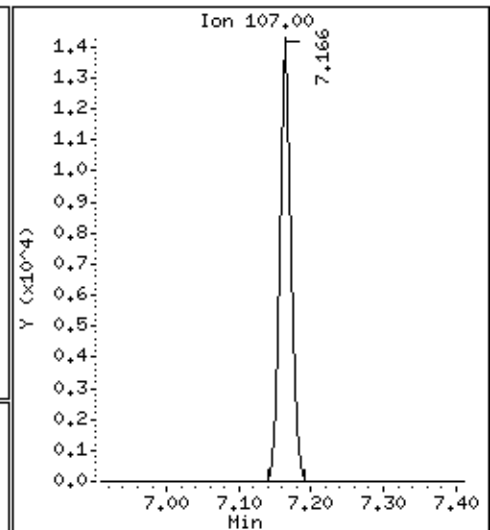
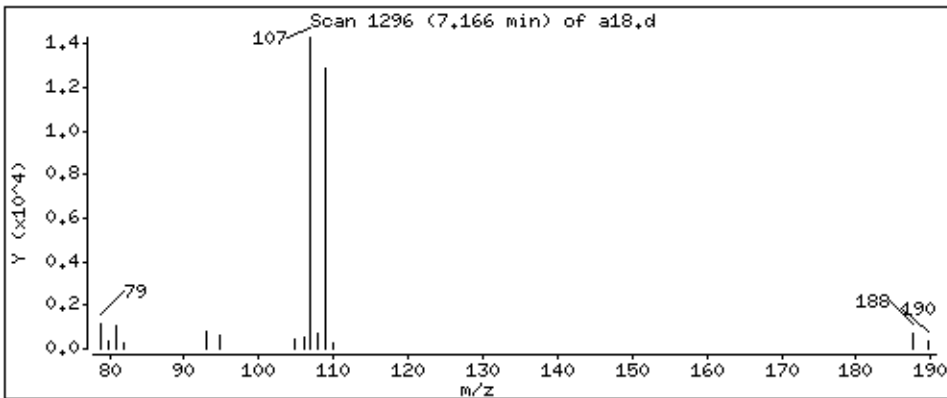
Column phase: DB-624

Column diameter: 0,18

61 1,2-Dibromoethane

Concentration: 46,1 ppb

Review Code:



Date : 02-JUL-2014 19:16

Client ID: THW-5(12-14)HSD

Instrument: 50mv3a.i

Sample Info: 1122049,71089;5

Operator: jlz

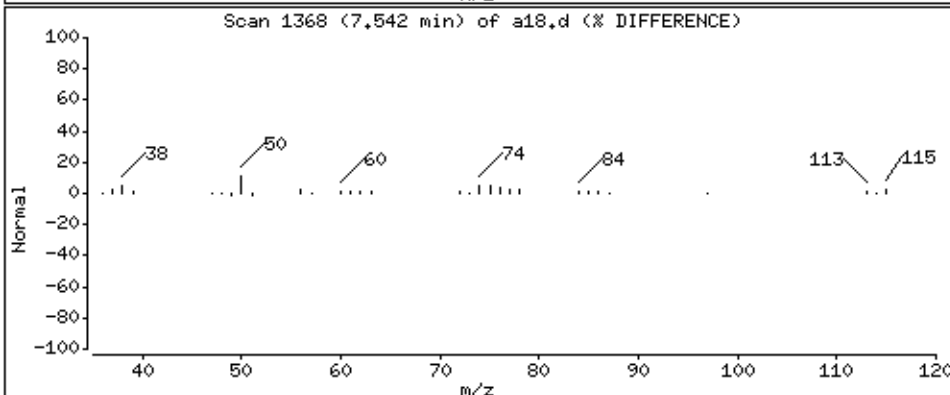
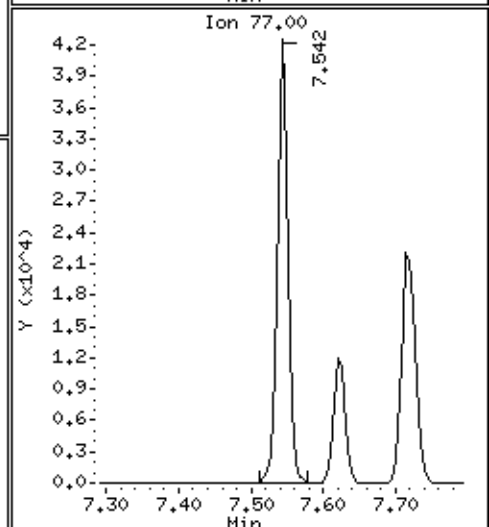
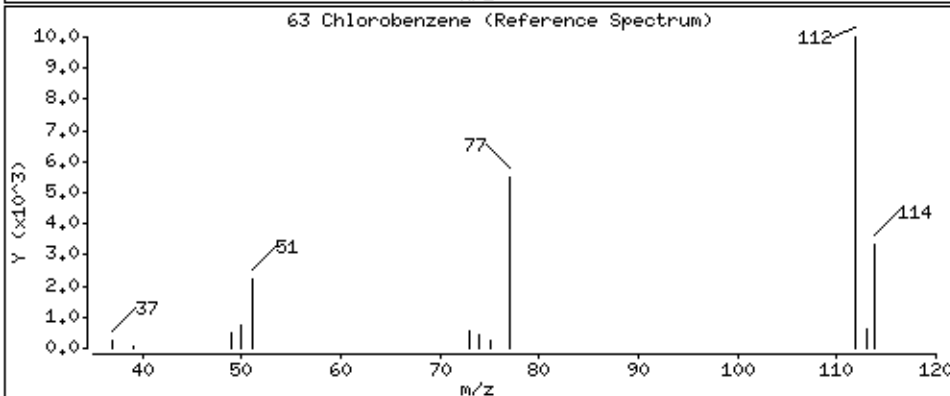
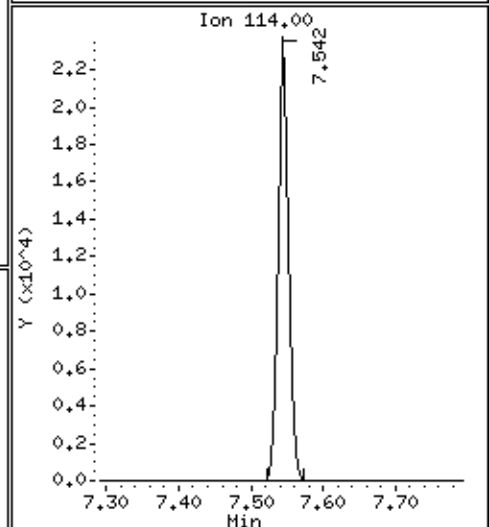
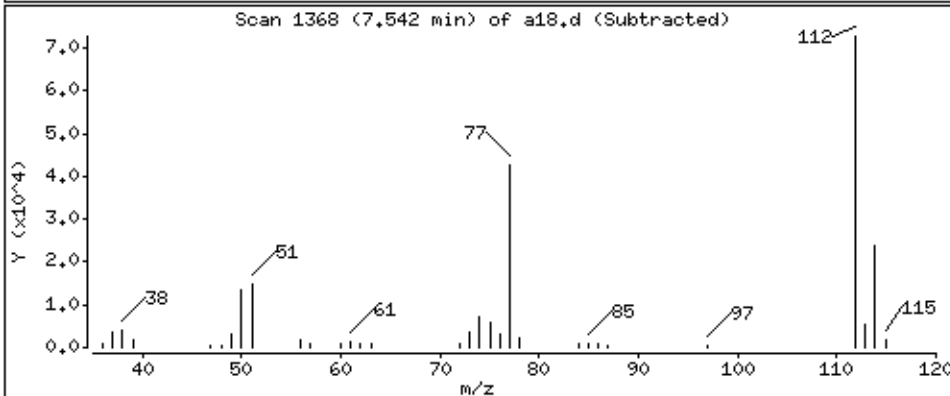
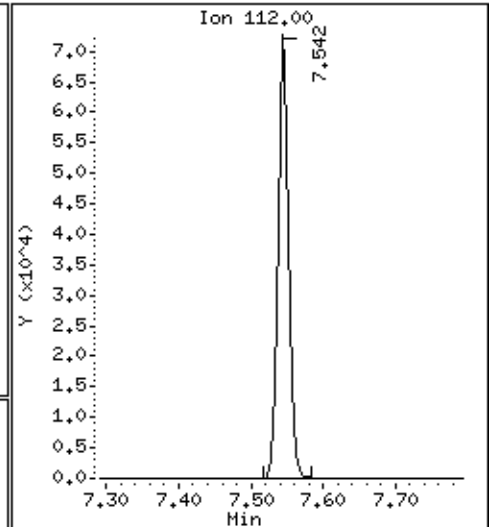
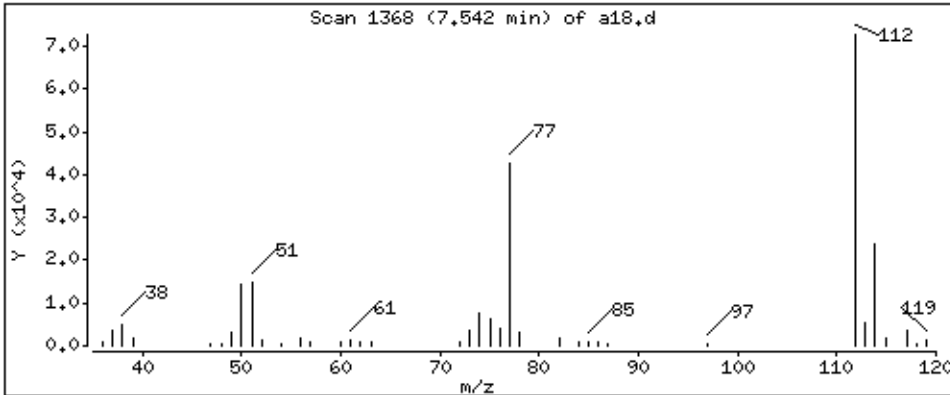
Column phase: DB-624

Column diameter: 0,18

63 Chlorobenzene

Concentration: 42.4 ppb

Review Code:



Date : 02-JUL-2014 19:16

Client ID: THW-5(12-14)HSD

Instrument: 50mv3a.i

Sample Info: 1122049,71089;5

Operator: jlz

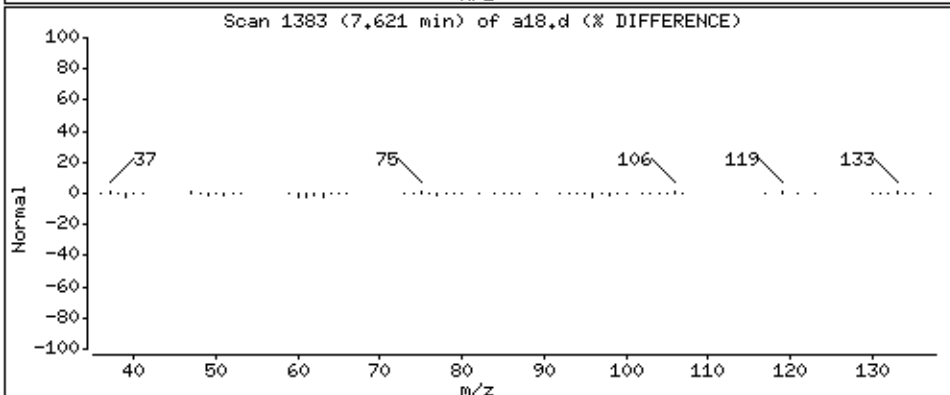
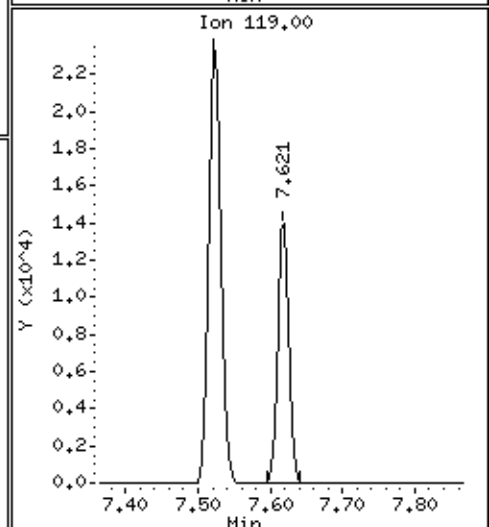
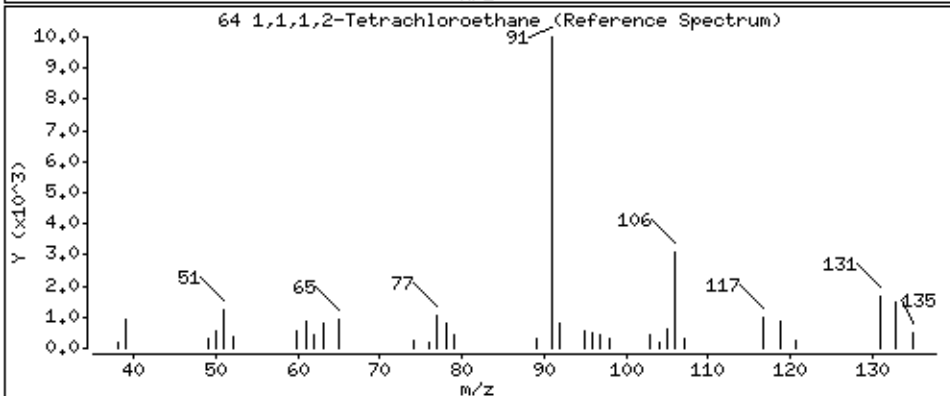
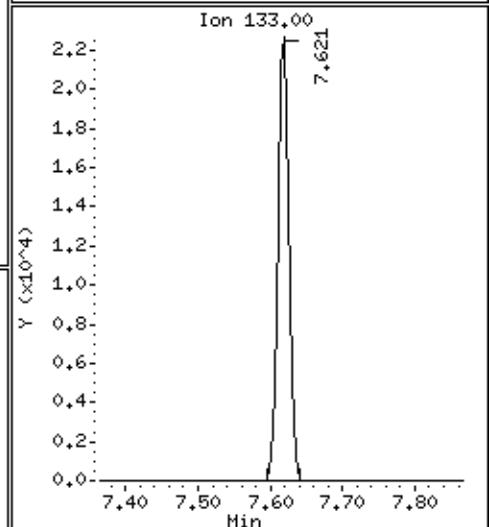
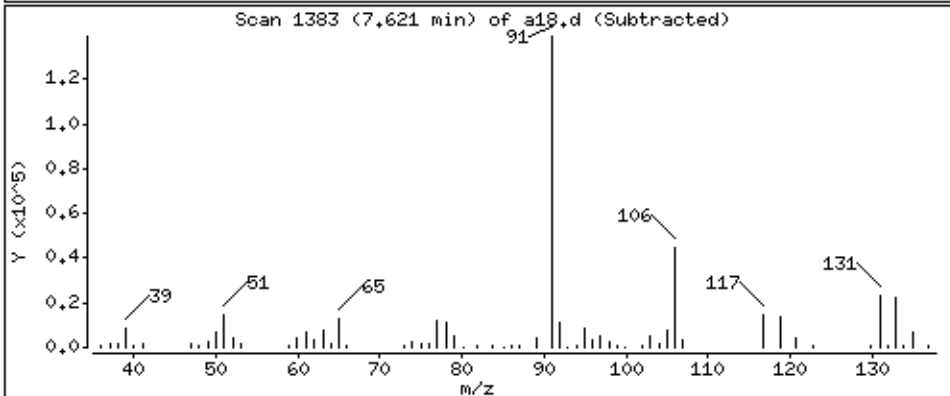
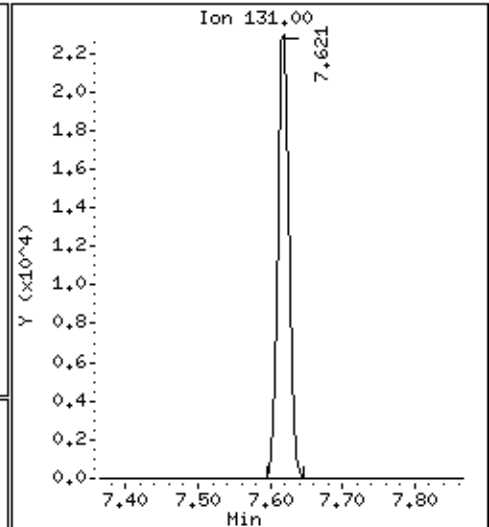
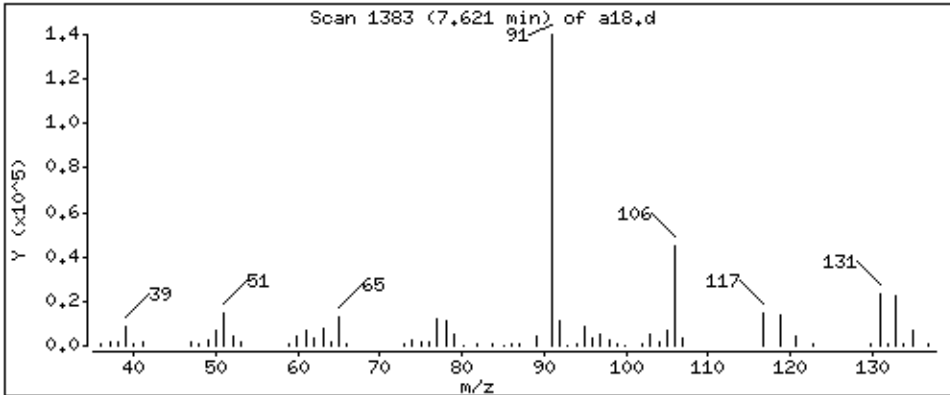
Column phase: DB-624

Column diameter: 0,18

64 1,1,1,2-Tetrachloroethane

Concentration: 47.1 ppb

Review Code:



Date : 02-JUL-2014 19:16

Client ID: THW-5(12-14)HSD

Instrument: 50mw3a.i

Sample Info: 1122049,71089;5

Operator: jlz

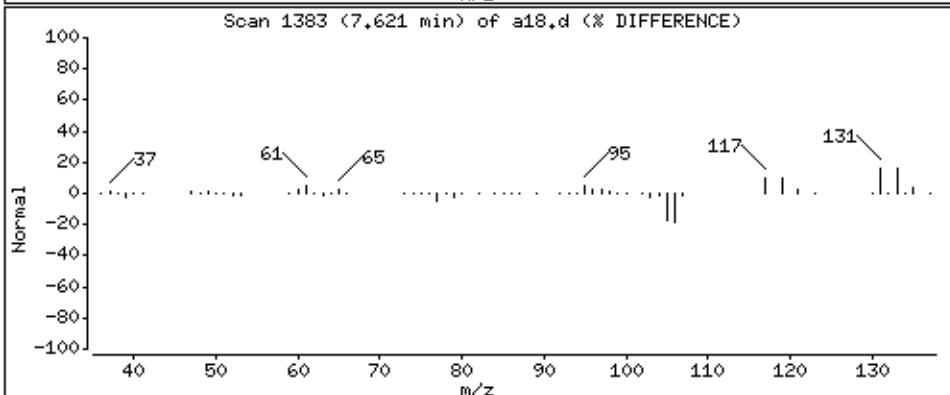
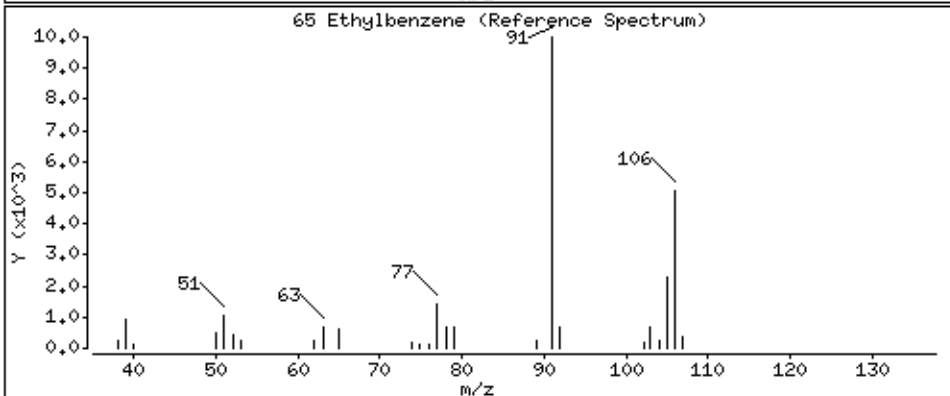
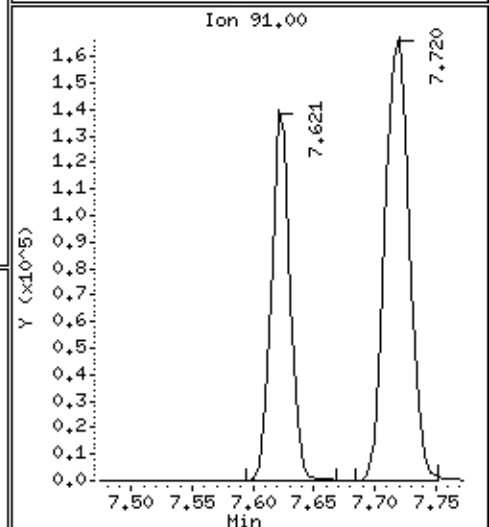
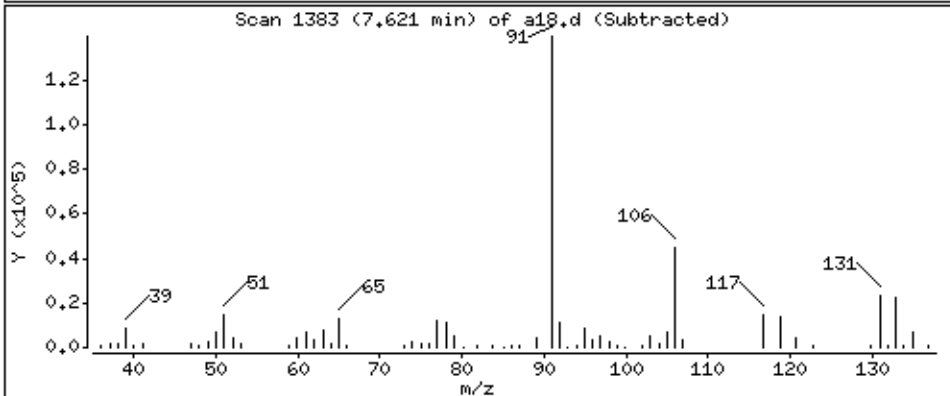
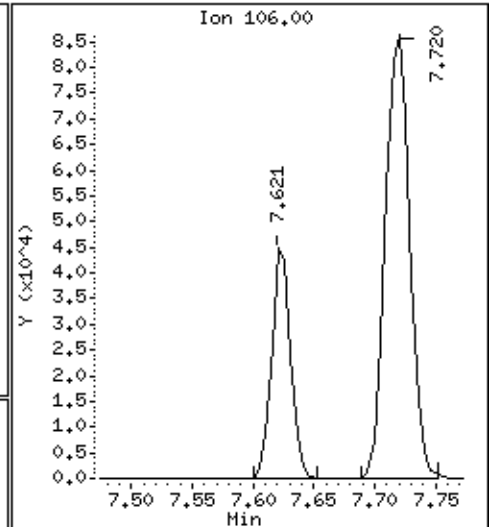
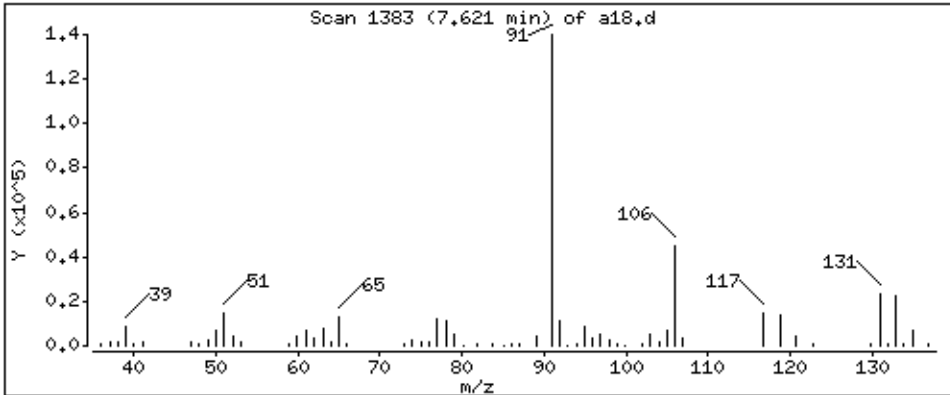
Column phase: DB-624

Column diameter: 0,18

65 Ethylbenzene

Concentration: 42.8 ppb

Review Code:



Date : 02-JUL-2014 19:16

Client ID: THW-5(12-14)HSD

Instrument: 50mv3a.i

Sample Info: 1122049,71089;5

Operator: jlz

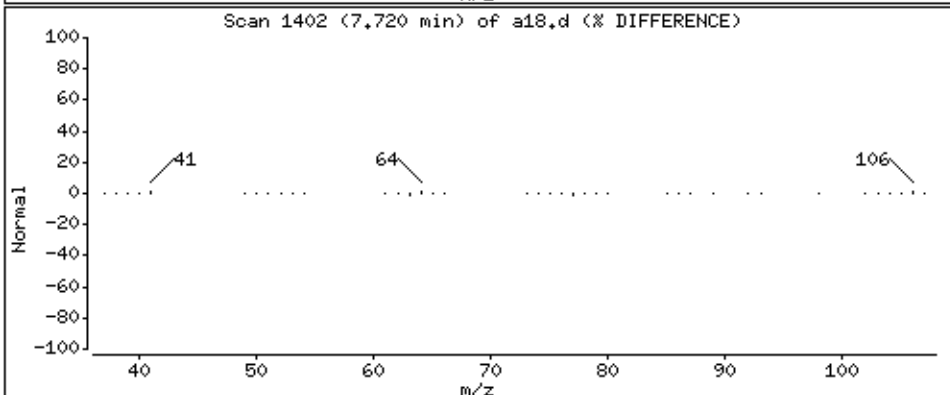
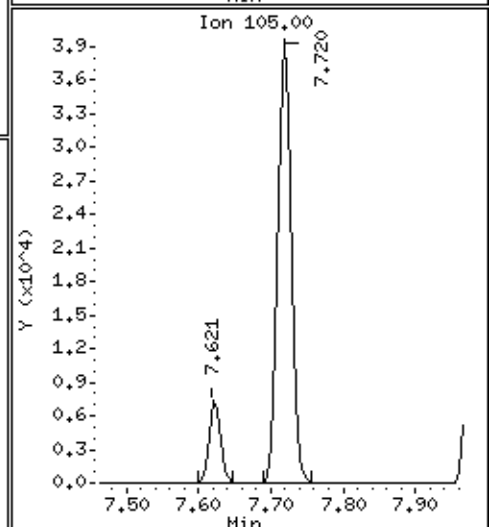
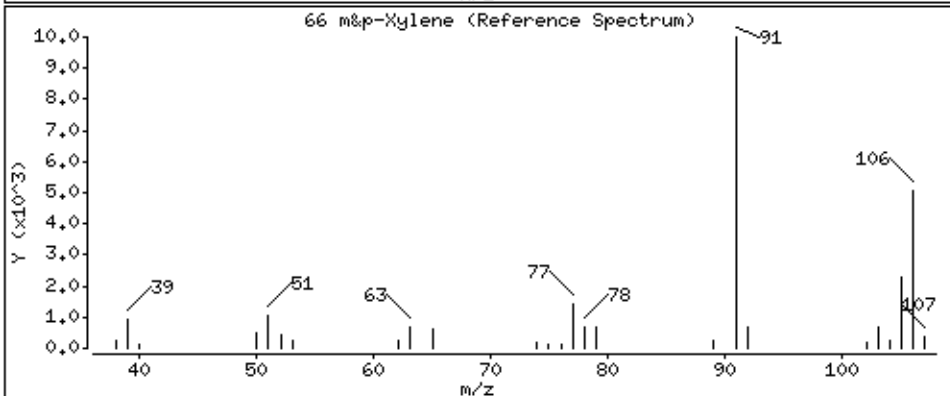
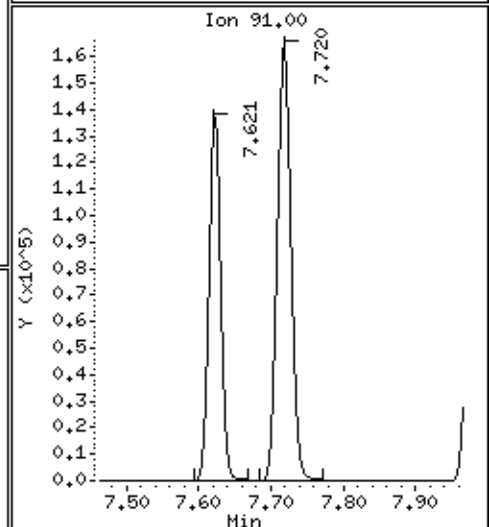
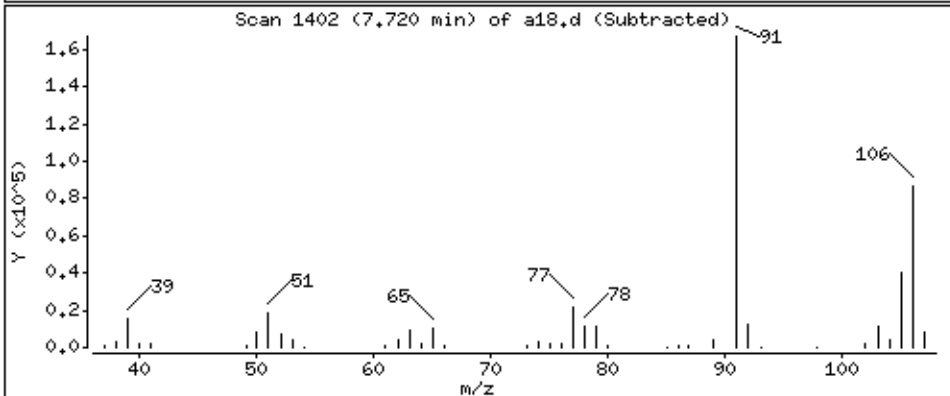
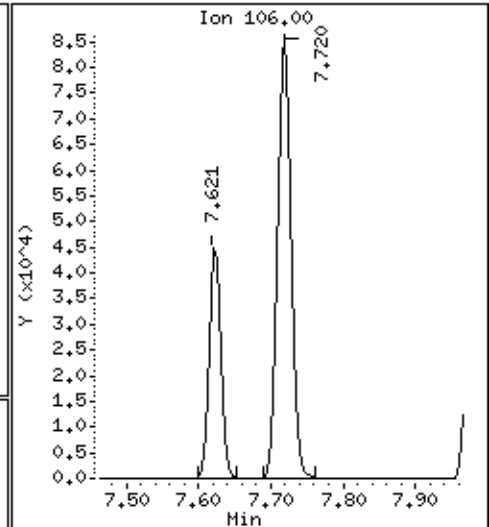
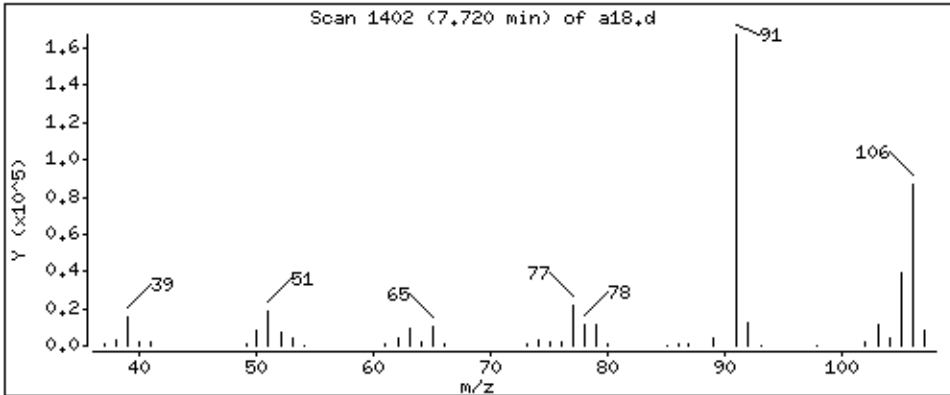
Column phase: DB-624

Column diameter: 0,18

66 m&p-Xylene

Concentration: 86,8 ppb

Review Code:



Date : 02-JUL-2014 19:16

Client ID: THW-5(12-14)HSD

Instrument: 50mw3a.i

Sample Info: 1122049,71089;5

Operator: jlz

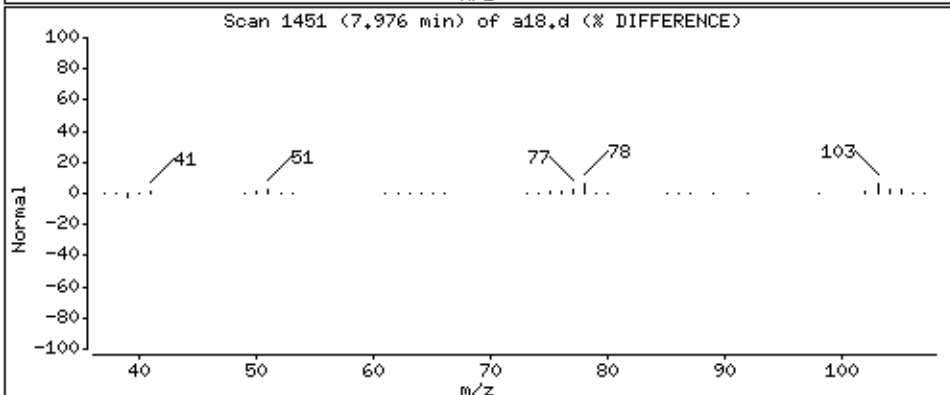
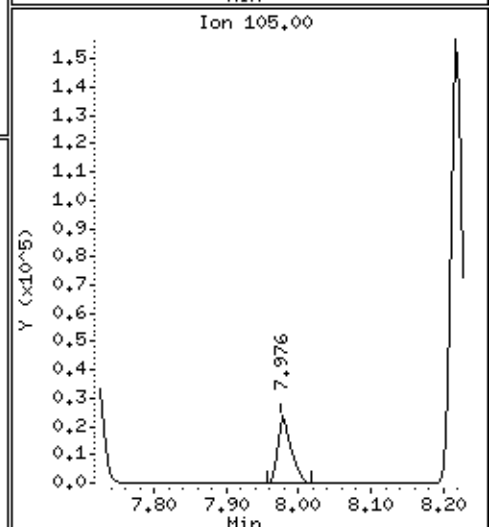
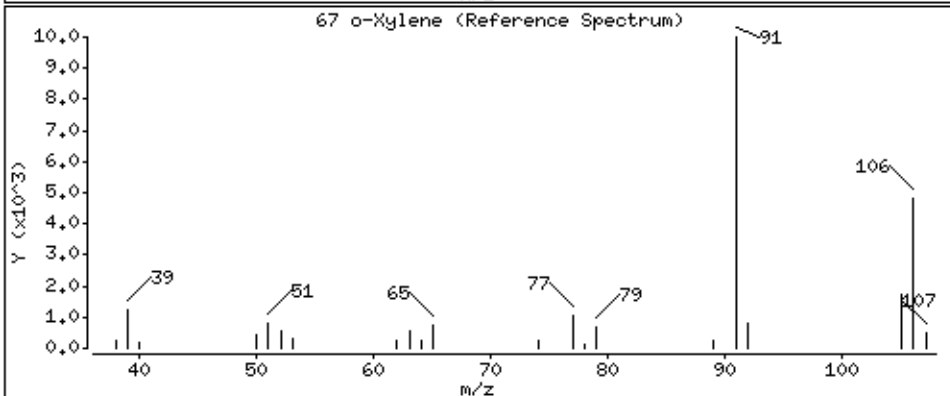
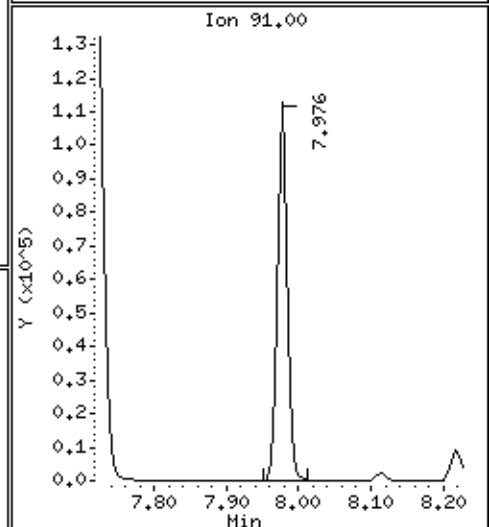
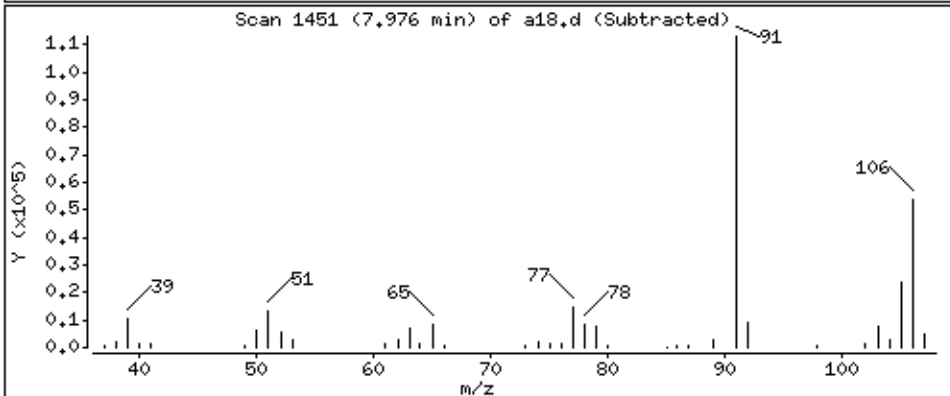
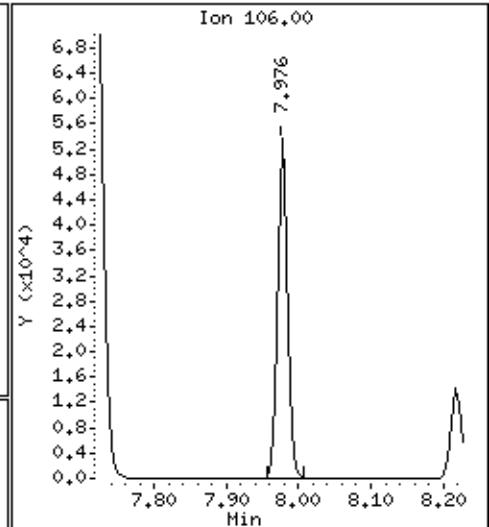
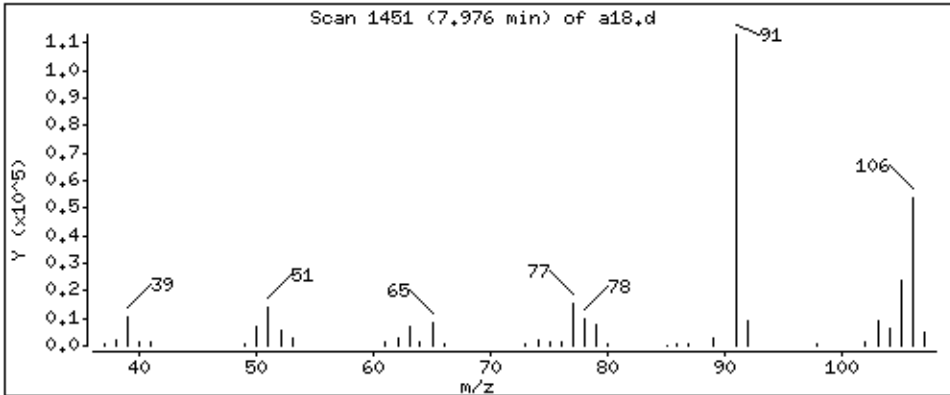
Column phase: DB-624

Column diameter: 0,18

67 o-Xylene

Concentration: 43.9 ppb

Review Code:



Date : 02-JUL-2014 19:16

Client ID: THW-5(12-14)HSD

Instrument: 50mv3a.i

Sample Info: 1122049,71089;5

Operator: jlz

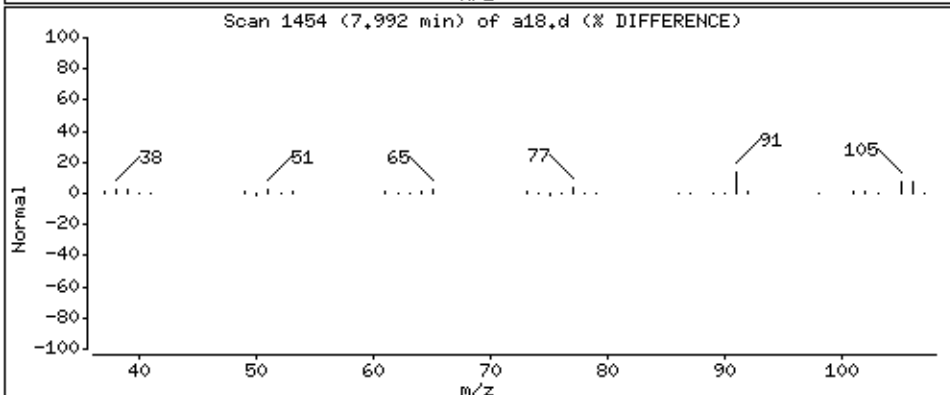
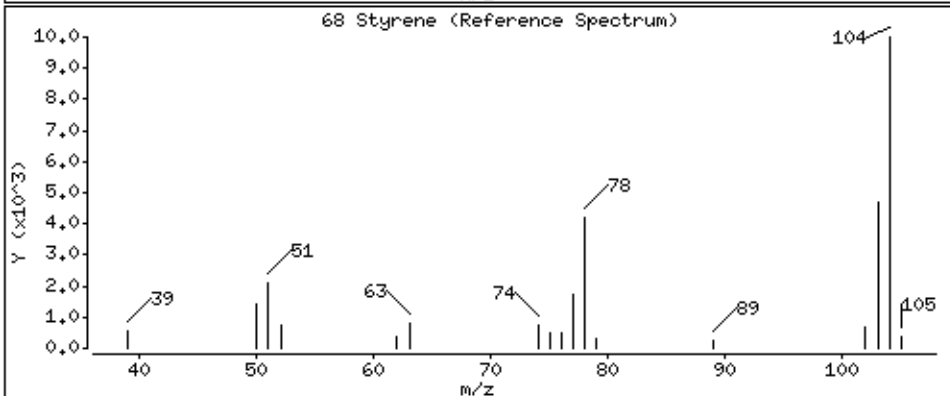
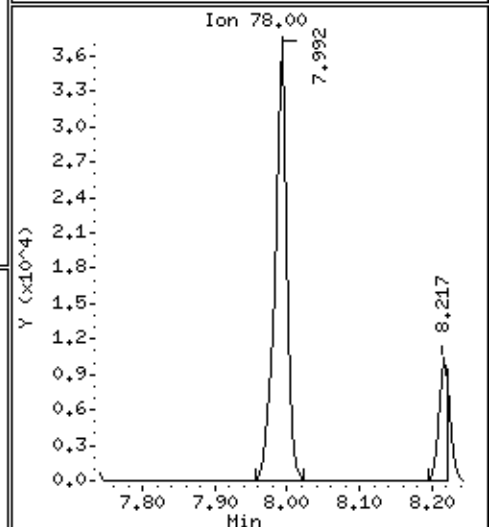
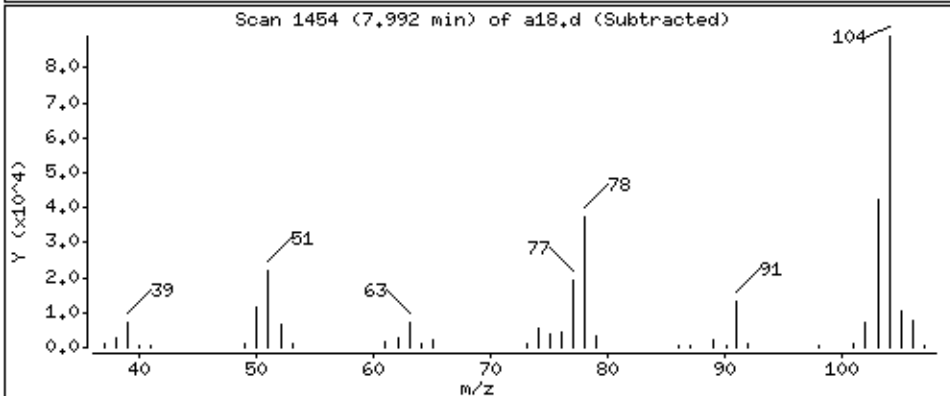
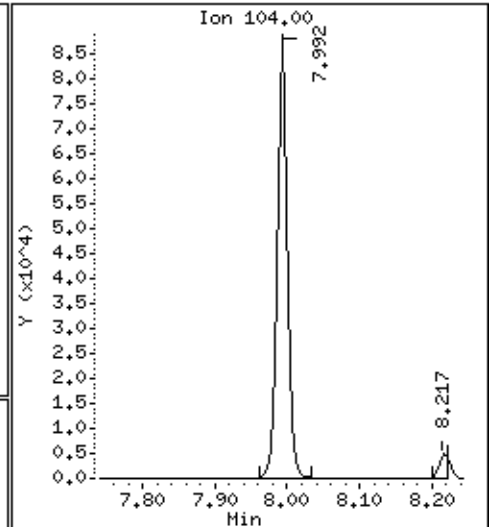
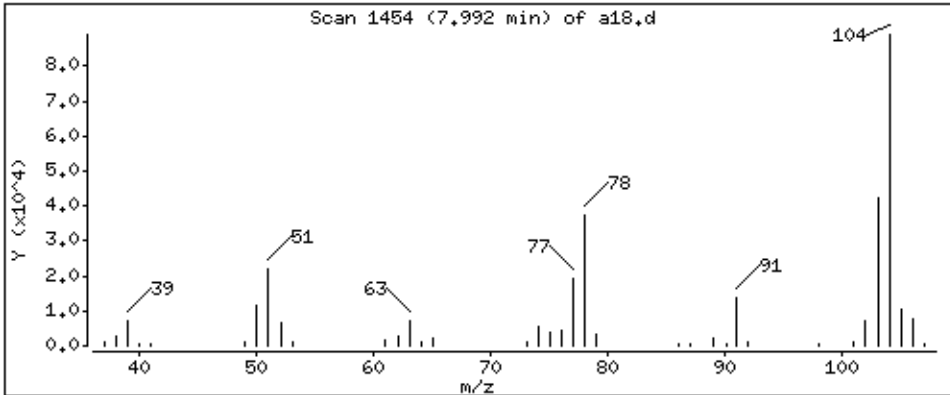
Column phase: DB-624

Column diameter: 0,18

68 Styrene

Concentration: 44,1 ppb

Review Code:



Date : 02-JUL-2014 19:16

Client ID: THW-5(12-14)HSD

Instrument: 50mw3a.i

Sample Info: 1122049,71089;5

Operator: jlz

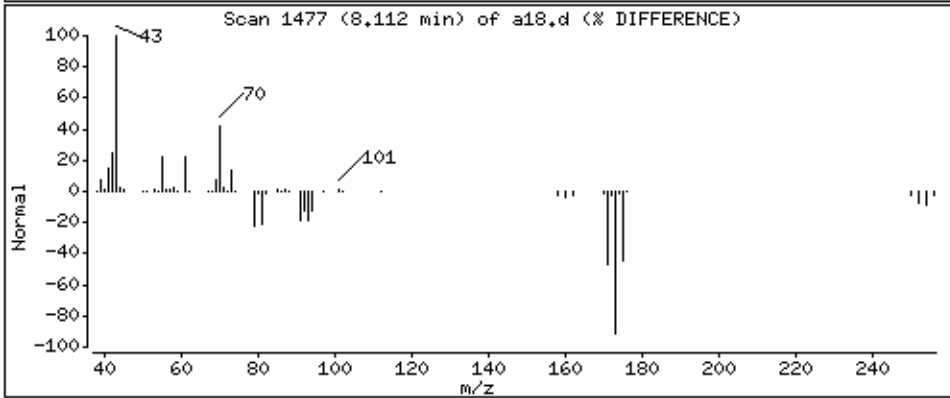
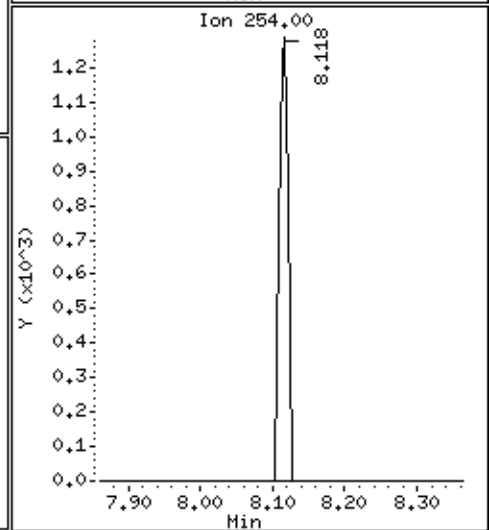
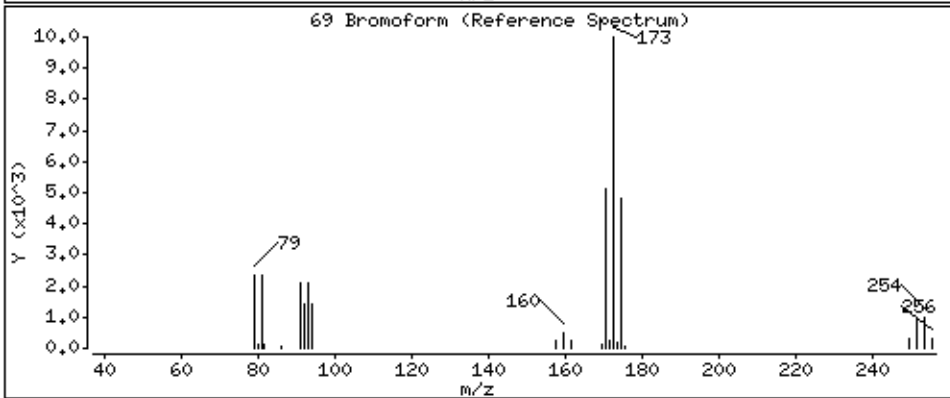
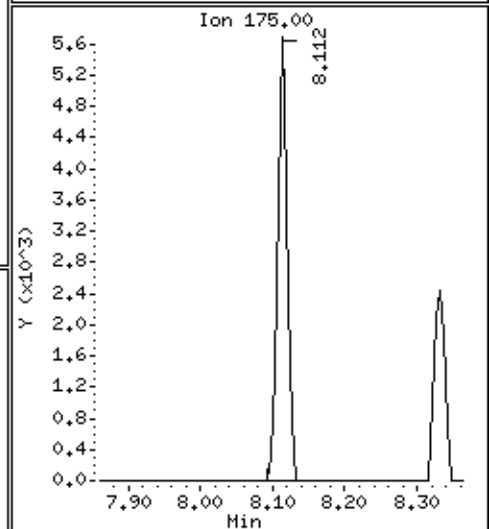
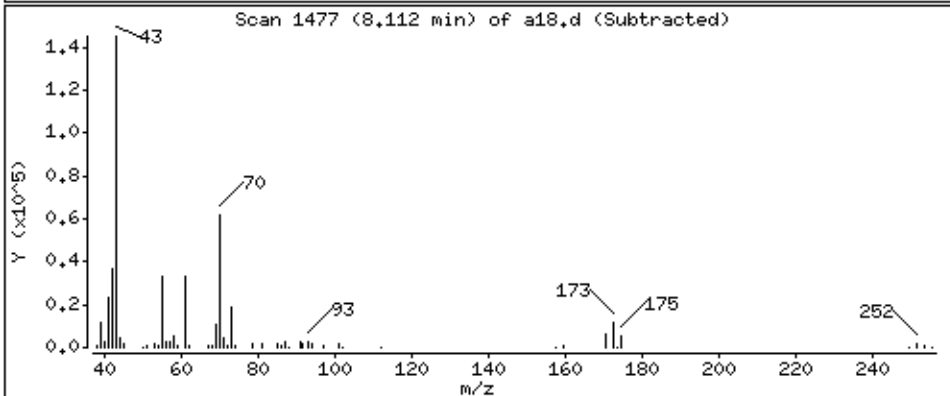
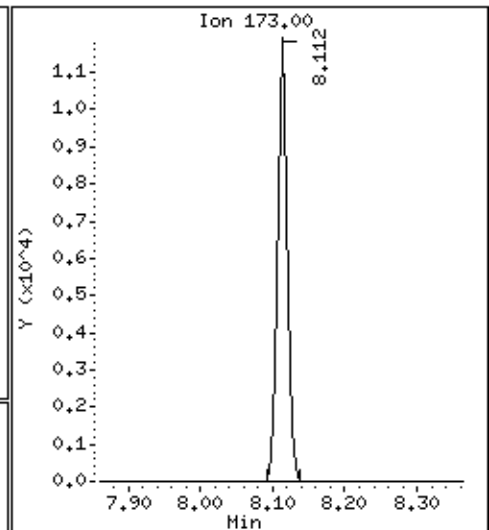
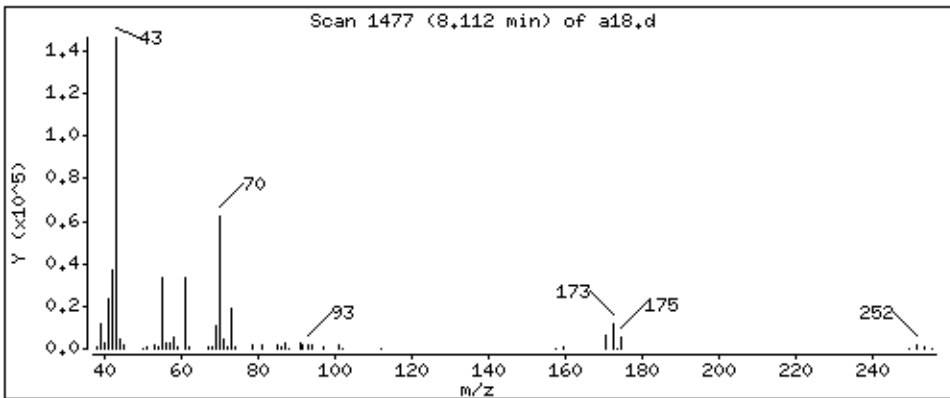
Column phase: DB-624

Column diameter: 0,18

69 Bromoform

Concentration: 41.5 ppb

Review Code:



Date : 02-JUL-2014 19:16

Client ID: THW-5(12-14)HSD

Instrument: 50mv3a.i

Sample Info: 1122049,71089;5

Operator: jlz

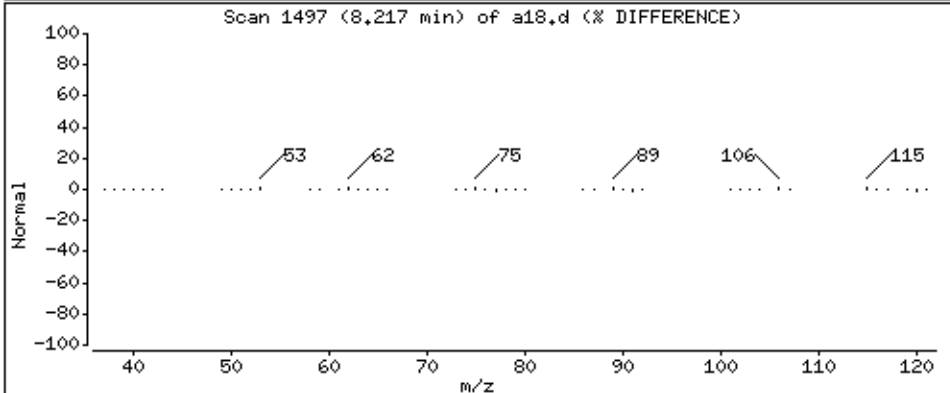
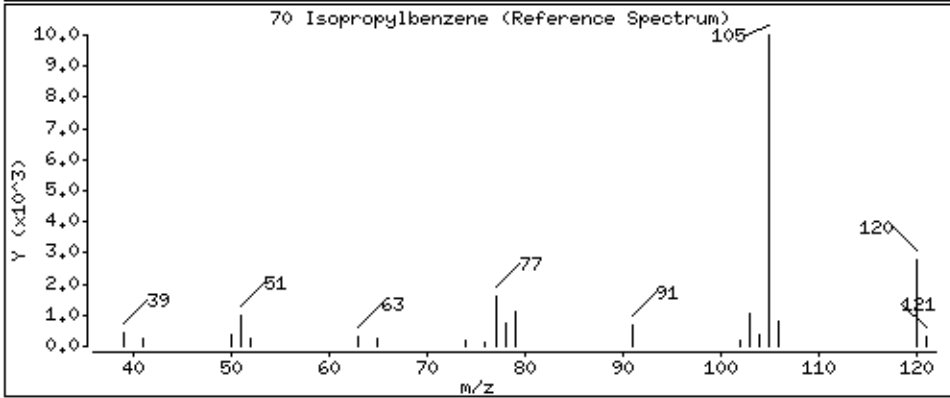
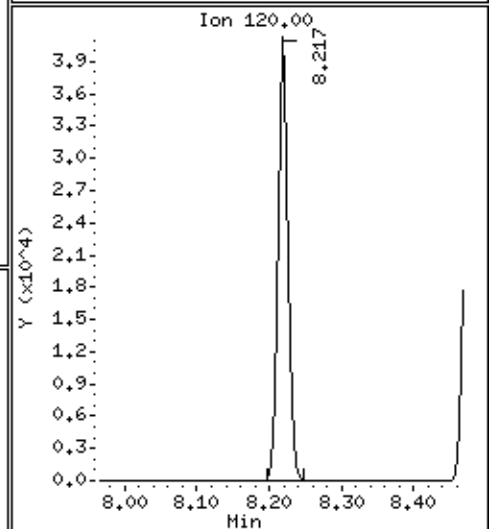
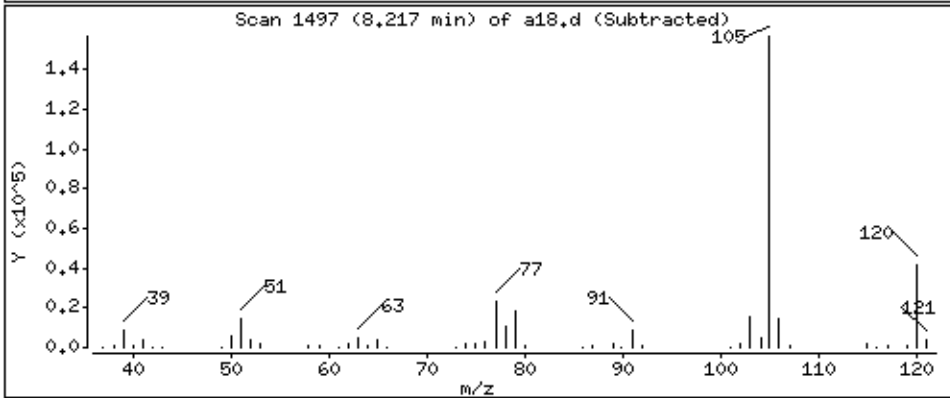
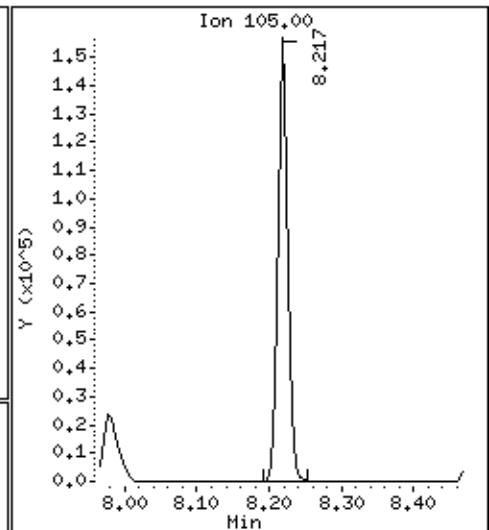
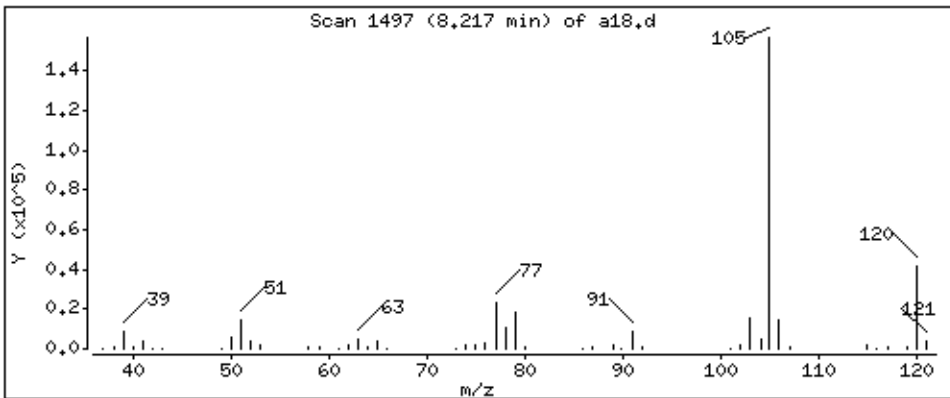
Column phase: DB-624

Column diameter: 0,18

70 Isopropylbenzene

Concentration: 45,1 ppb

Review Code:



Date : 02-JUL-2014 19:16

Client ID: THW-5(12-14)HSD

Instrument: 50mv3a.i

Sample Info: 1122049,71089;5

Operator: jlz

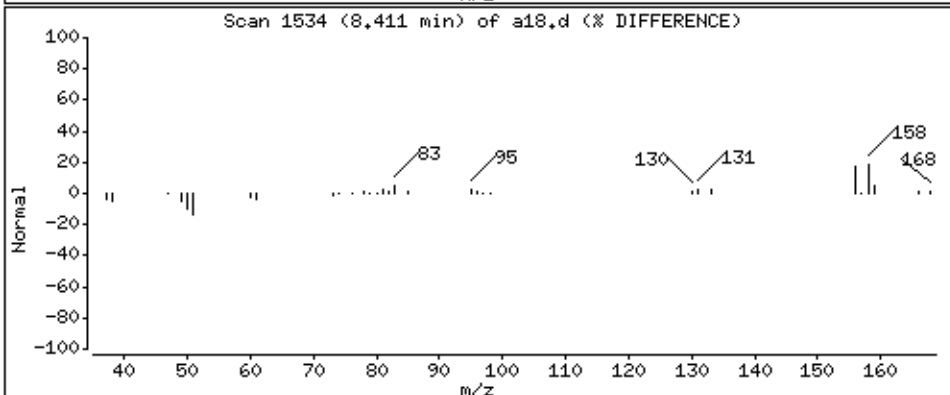
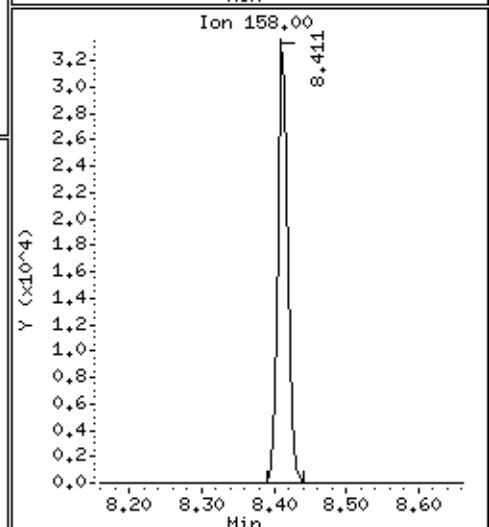
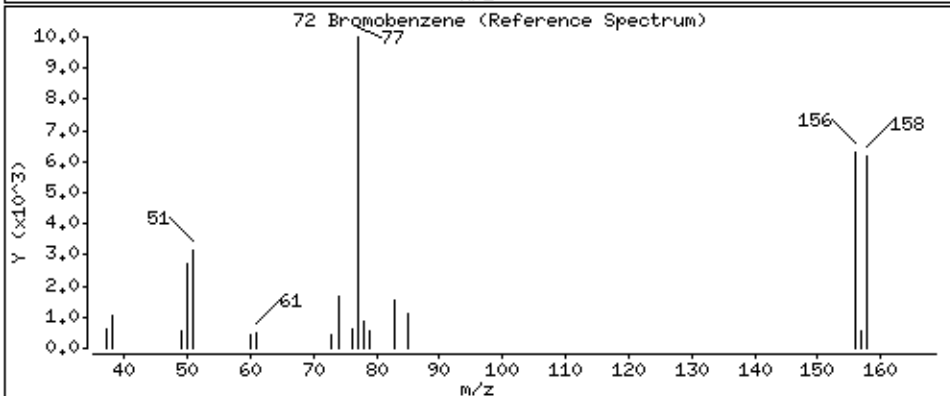
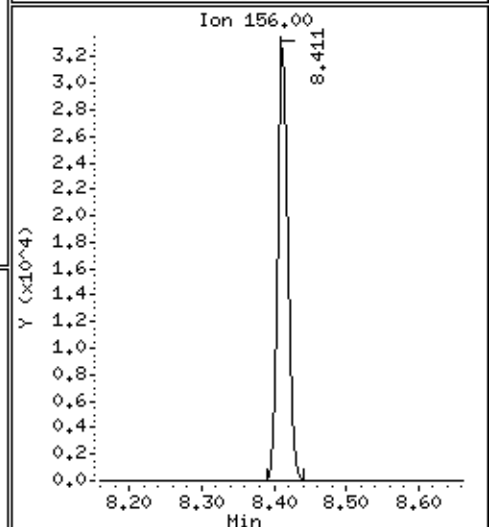
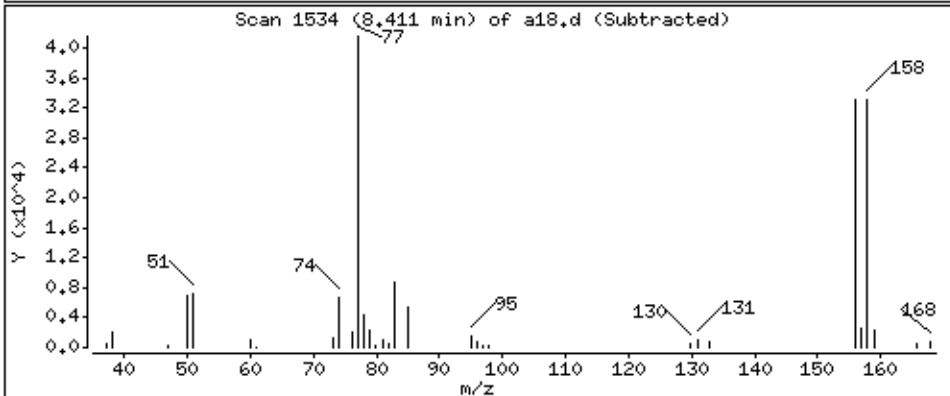
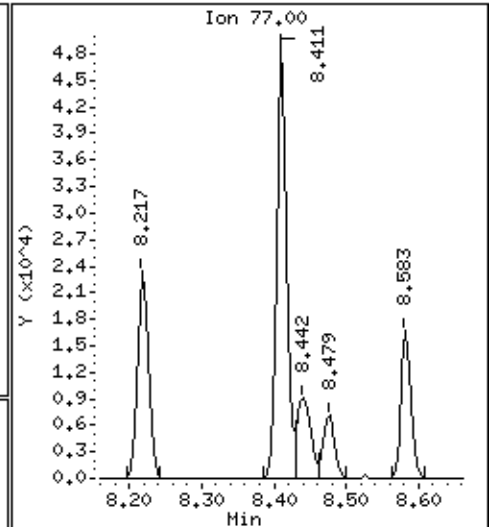
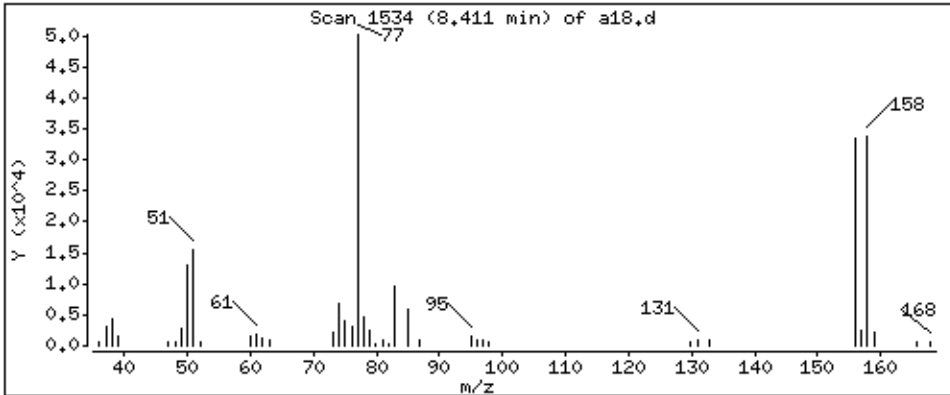
Column phase: DB-624

Column diameter: 0,18

72 Bromobenzene

Concentration: 42.3 ppb

Review Code:



Date : 02-JUL-2014 19:16

Client ID: THW-5(12-14)HSD

Instrument: 50mv3a.i

Sample Info: 1122049,71089;5

Operator: jlz

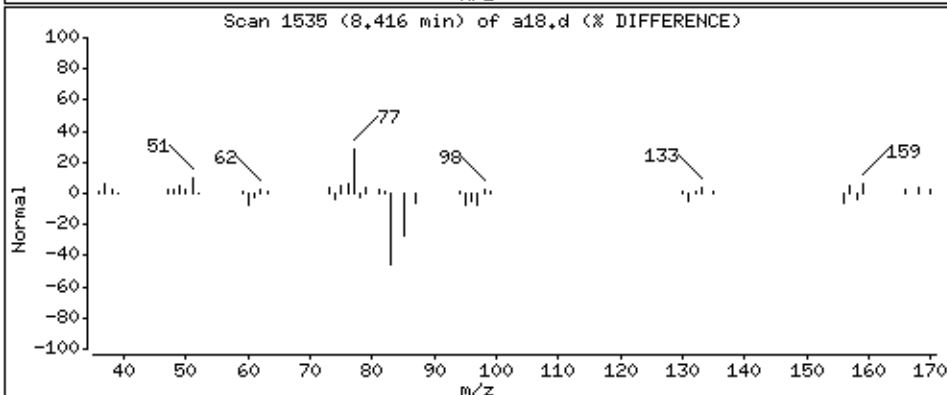
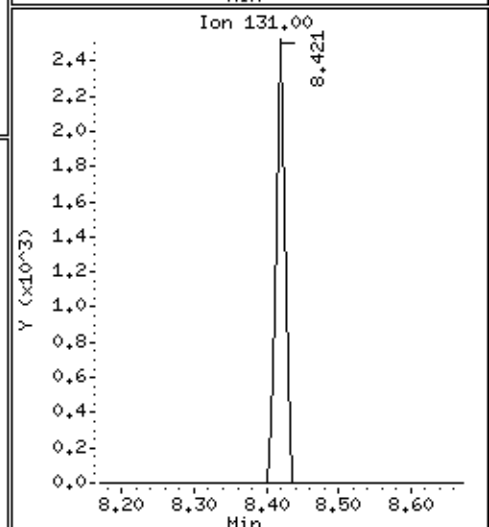
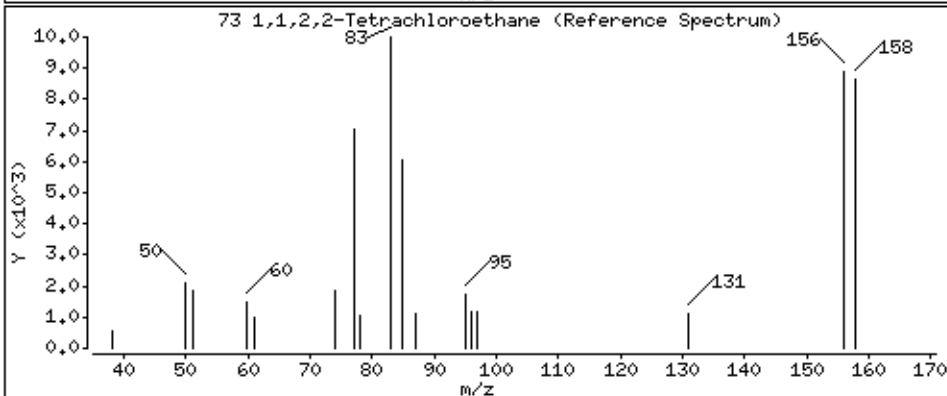
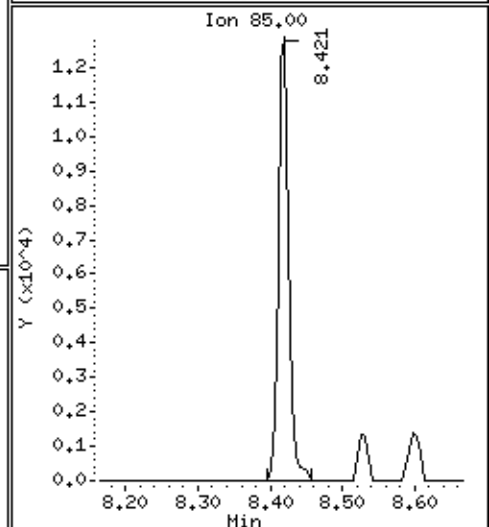
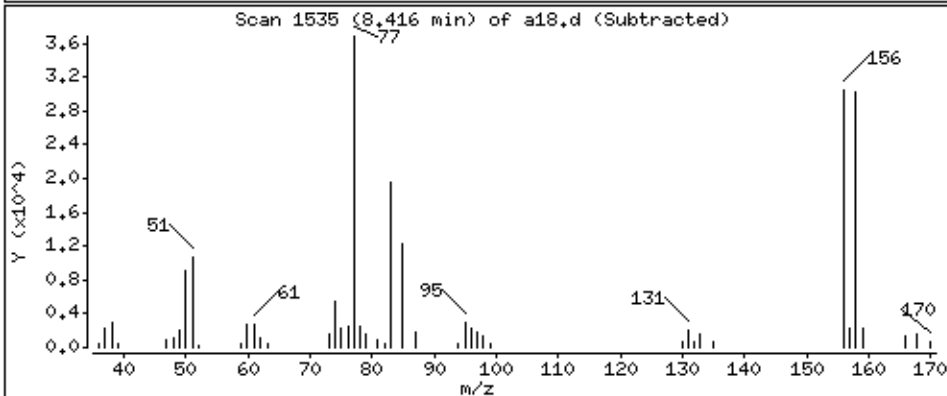
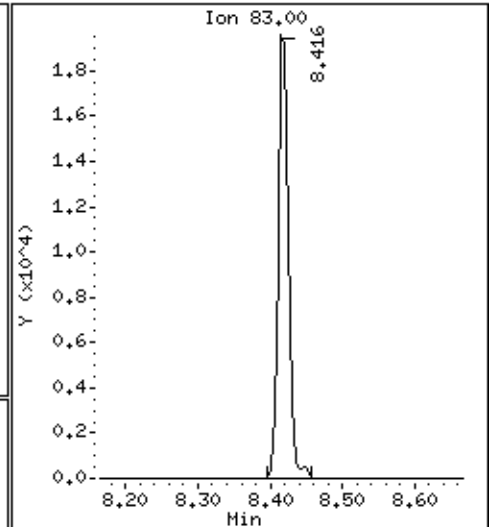
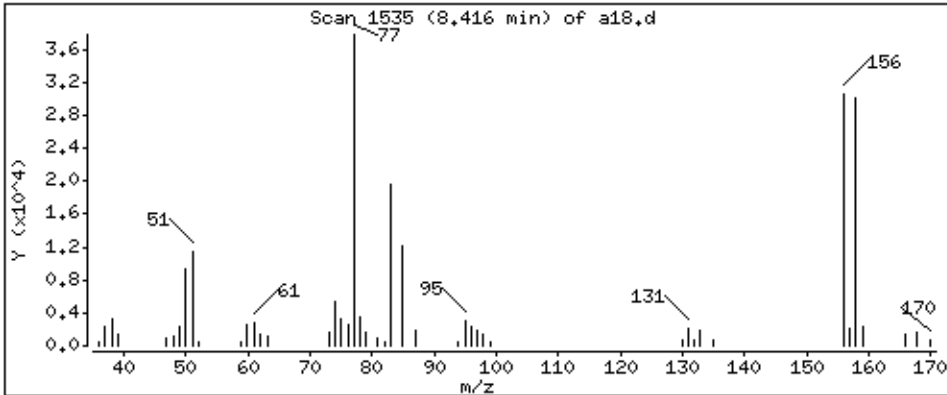
Column phase: DB-624

Column diameter: 0,18

73 1,1,2,2-Tetrachloroethane

Concentration: 41.0 ppb

Review Code:



Date : 02-JUL-2014 19:16

Client ID: THW-5(12-14)HSD

Instrument: 50mw3a.i

Sample Info: 1122049,71089;5

Operator: jlz

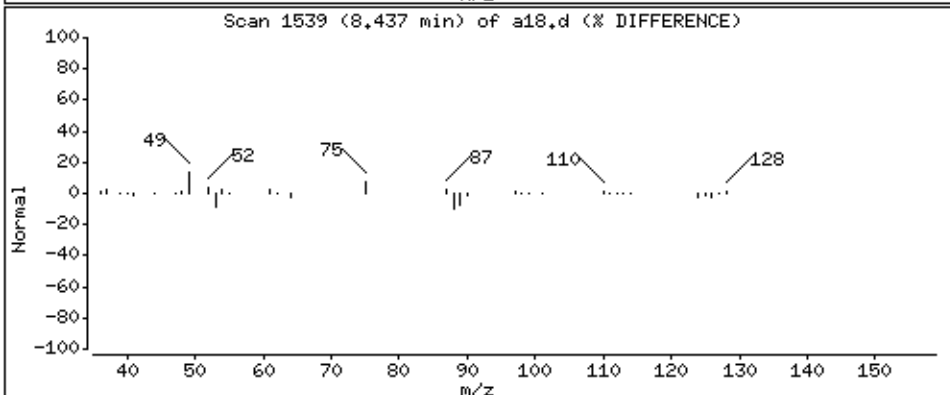
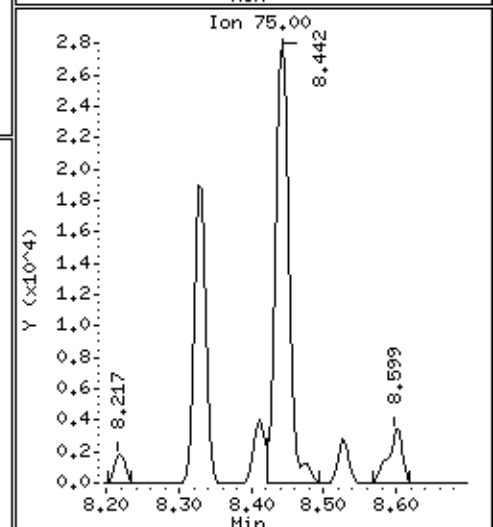
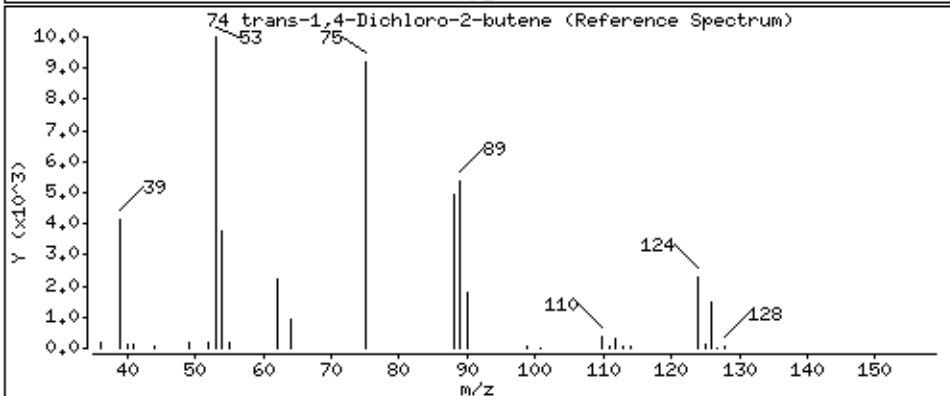
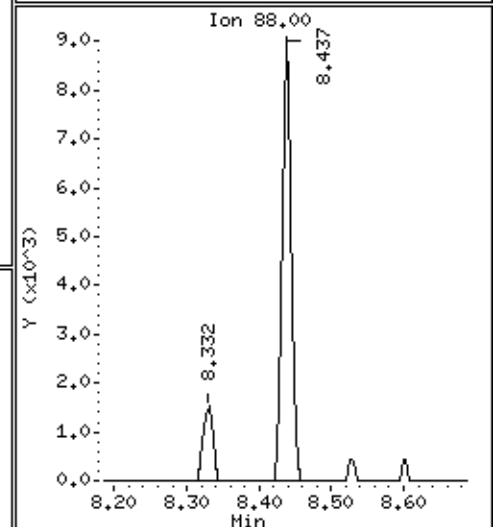
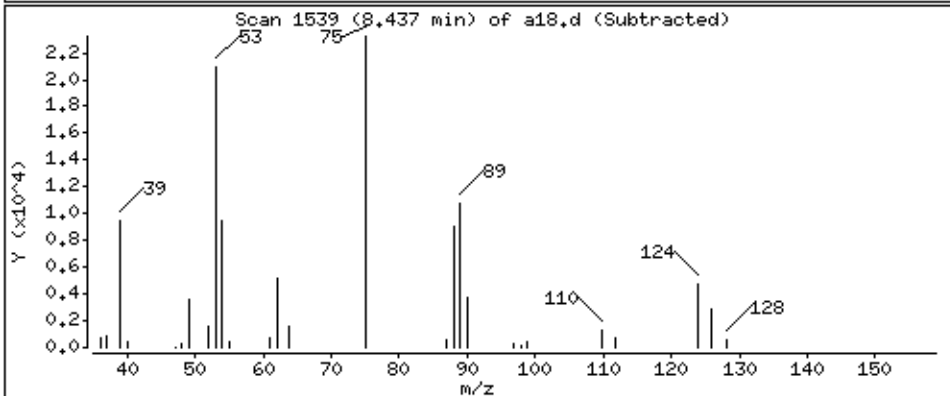
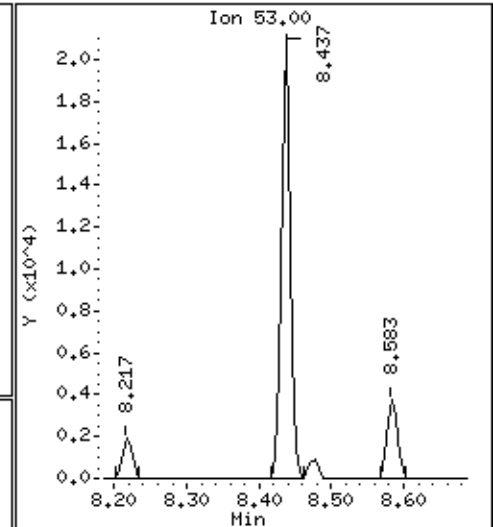
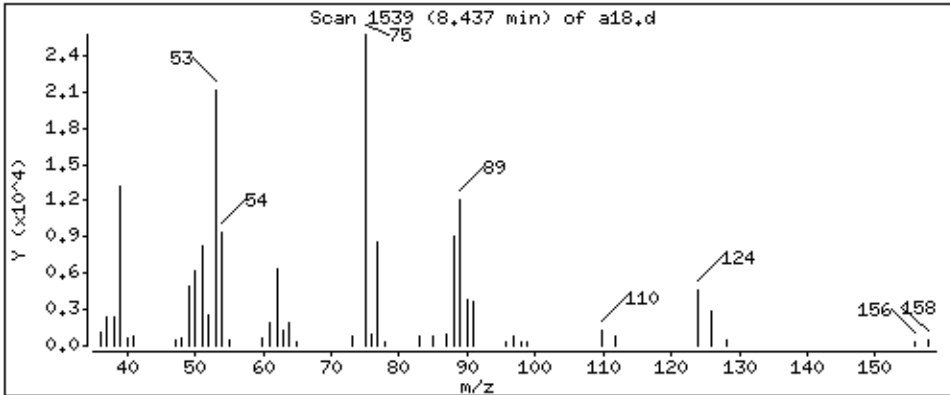
Column phase: DB-624

Column diameter: 0,18

74 trans-1,4-Dichloro-2-butene

Concentration: 154 ppb

Review Code:



Date : 02-JUL-2014 19:16

Client ID: THW-5(12-14)HSD

Instrument: 50mv3a.i

Sample Info: 1122049,71089;5

Operator: jlz

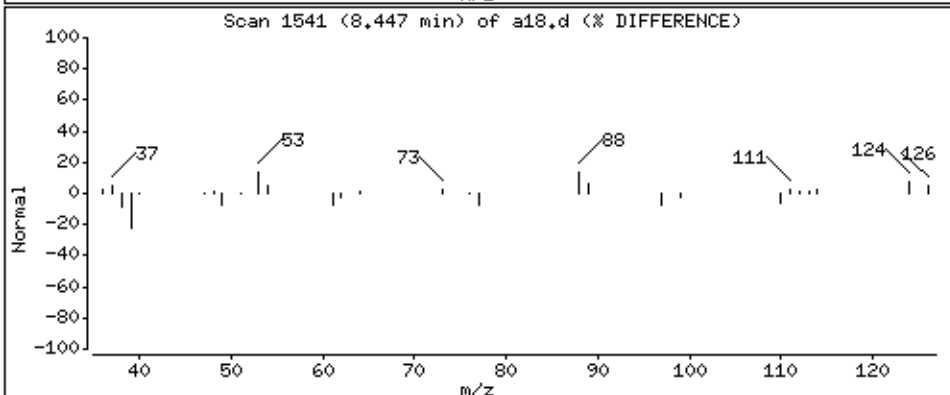
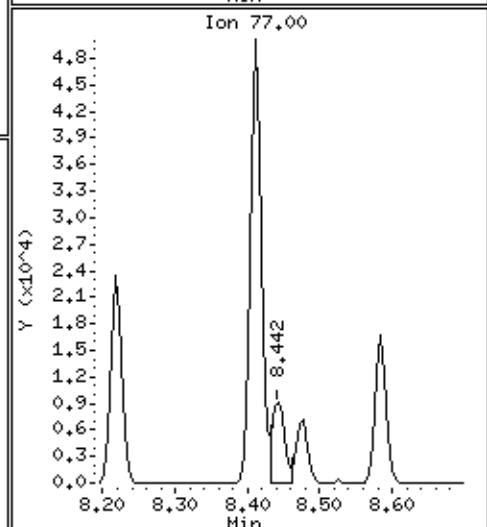
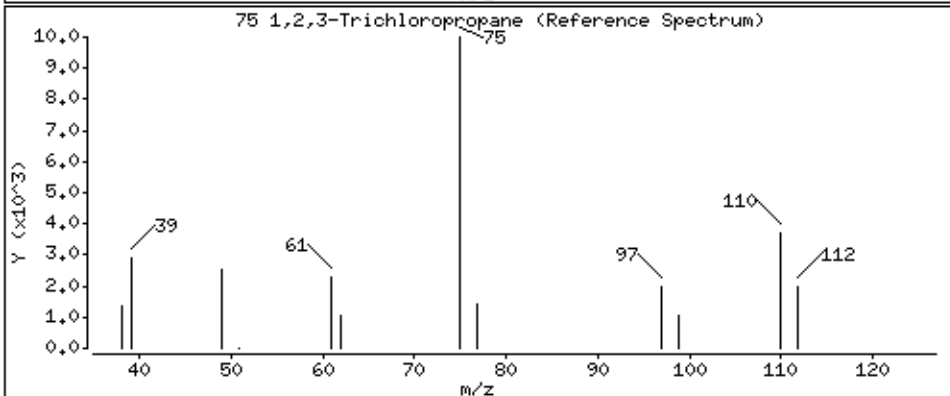
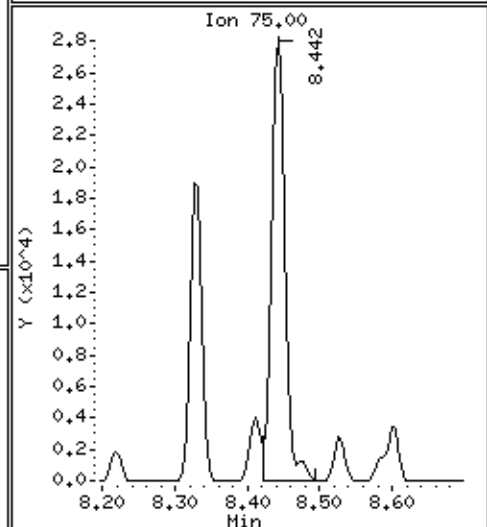
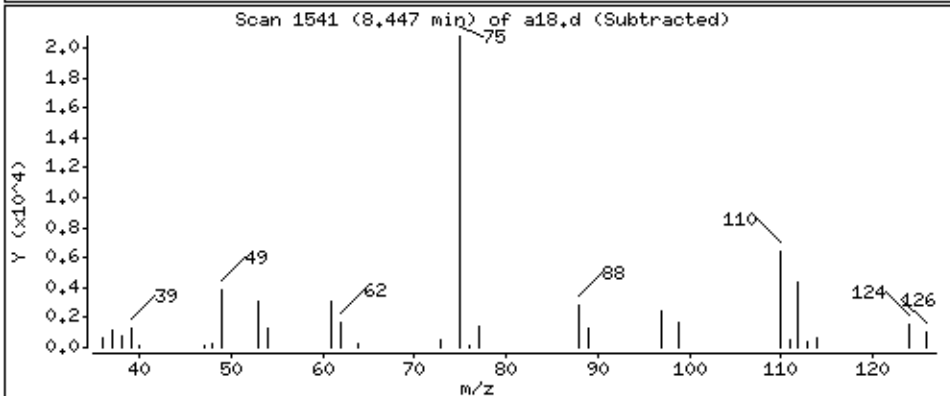
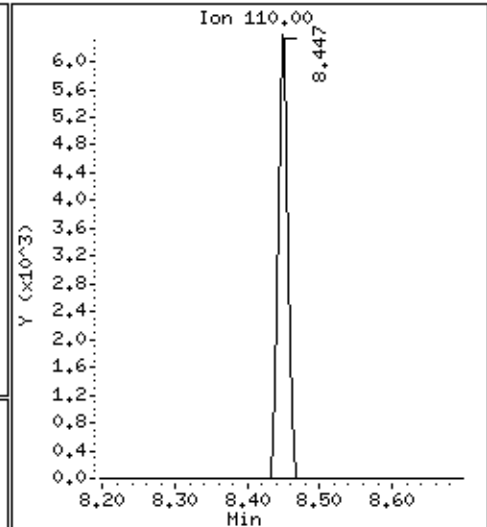
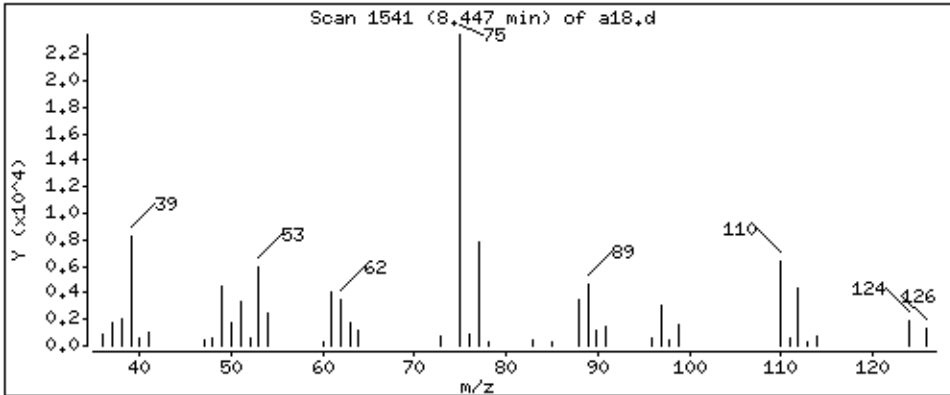
Column phase: DB-624

Column diameter: 0,18

75 1,2,3-Trichloropropane

Concentration: 39,4 ppb

Review Code:



Date : 02-JUL-2014 19:16

Client ID: THW-5(12-14)HSD

Instrument: 50mv3a.i

Sample Info: 1122049,71089;5

Operator: jlz

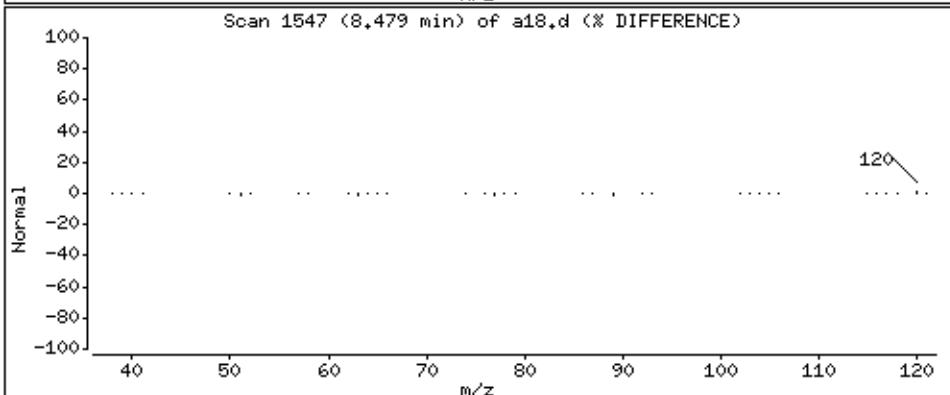
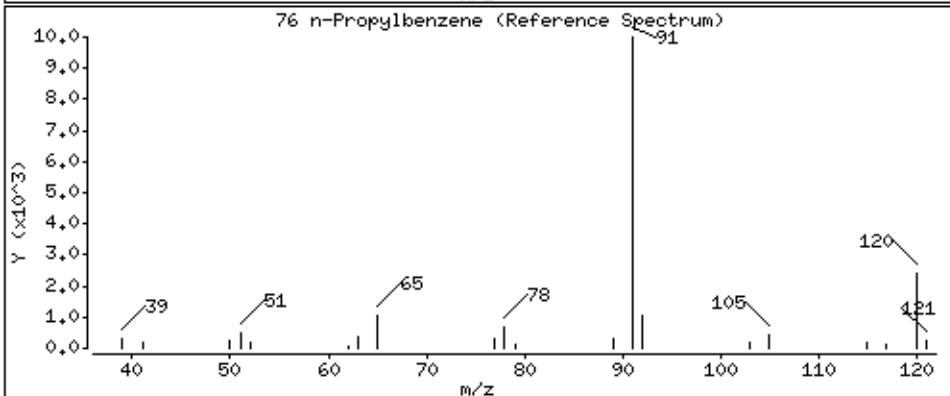
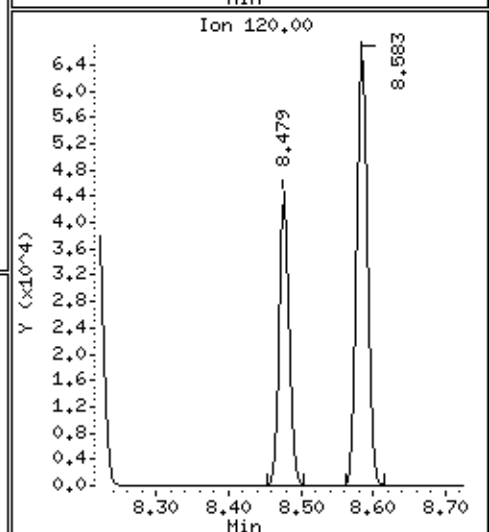
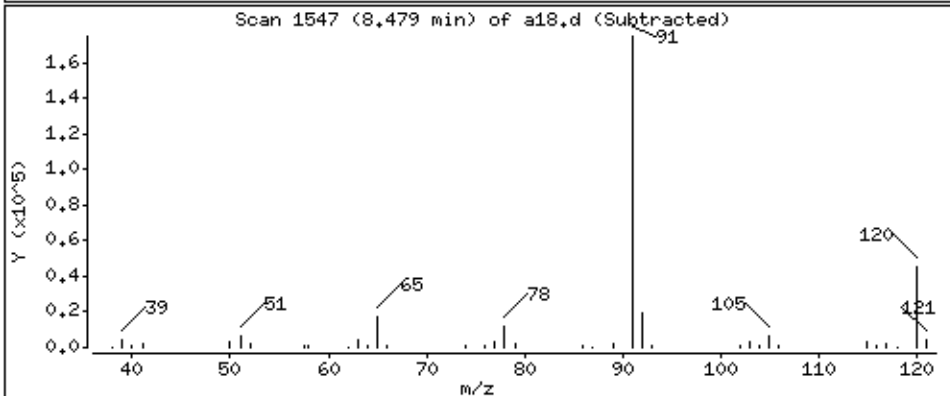
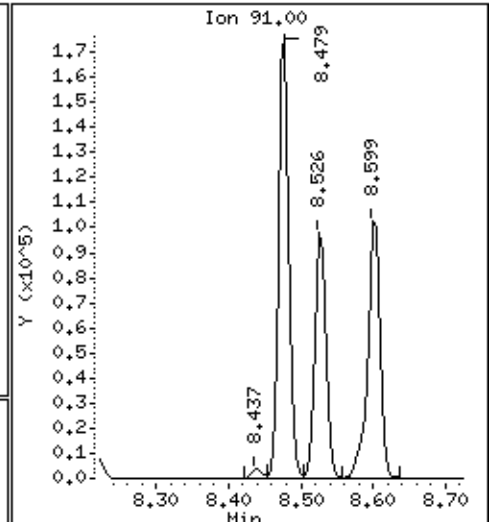
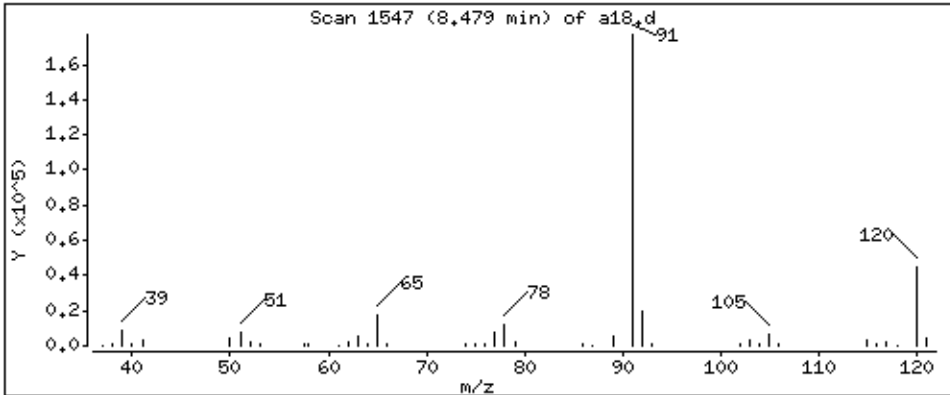
Column phase: DB-624

Column diameter: 0,18

76 n-Propylbenzene

Concentration: 41.3 ppb

Review Code:



Date : 02-JUL-2014 19:16

Client ID: THW-5(12-14)HSD

Instrument: 50mv3a.i

Sample Info: 1122049,71089;5

Operator: jlz

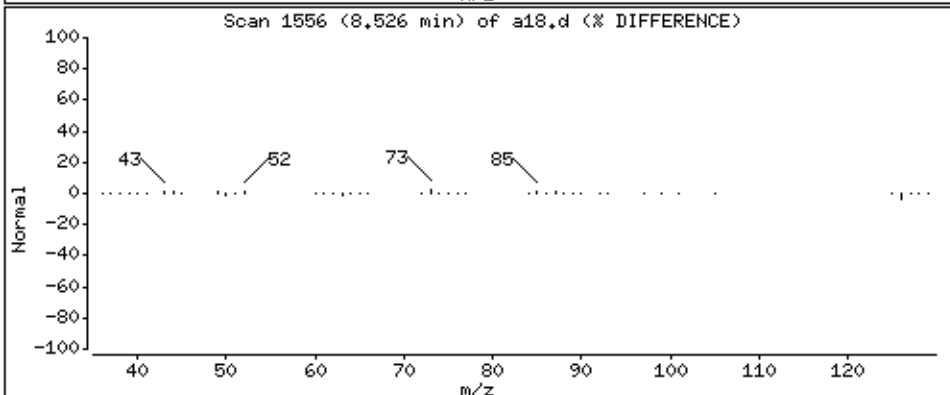
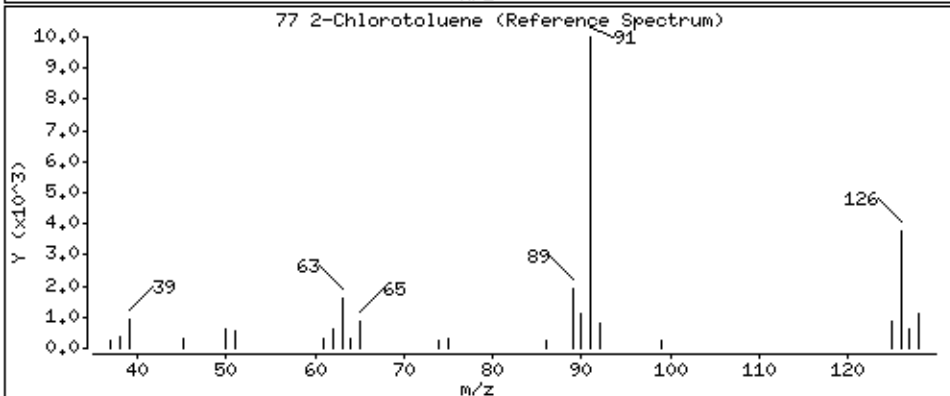
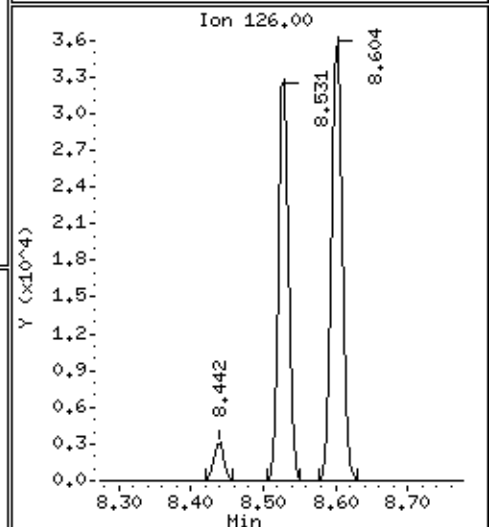
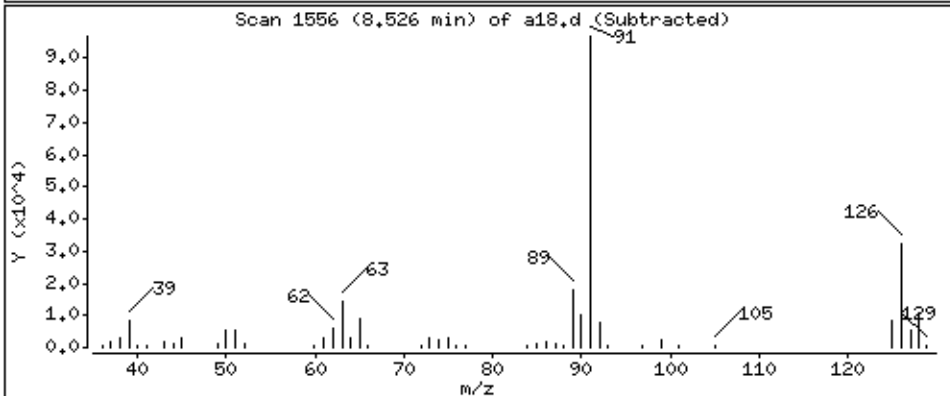
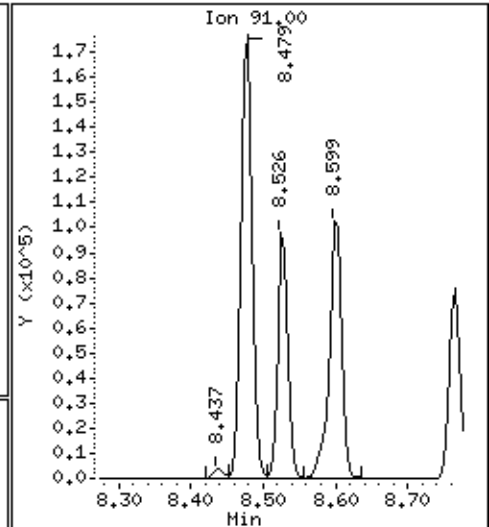
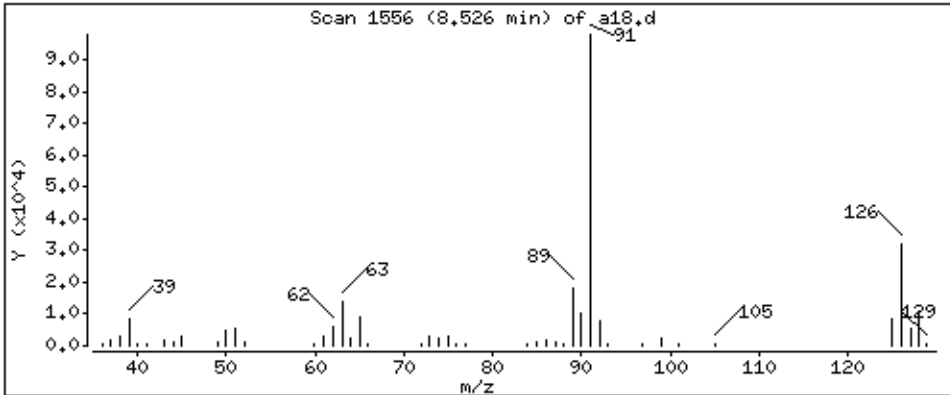
Column phase: DB-624

Column diameter: 0,18

77 2-Chlorotoluene

Concentration: 40,5 ppb

Review Code:



Date : 02-JUL-2014 19:16

Client ID: THW-5(12-14)HSD

Instrument: 50mv3a.i

Sample Info: 1122049,71089;5

Operator: jlz

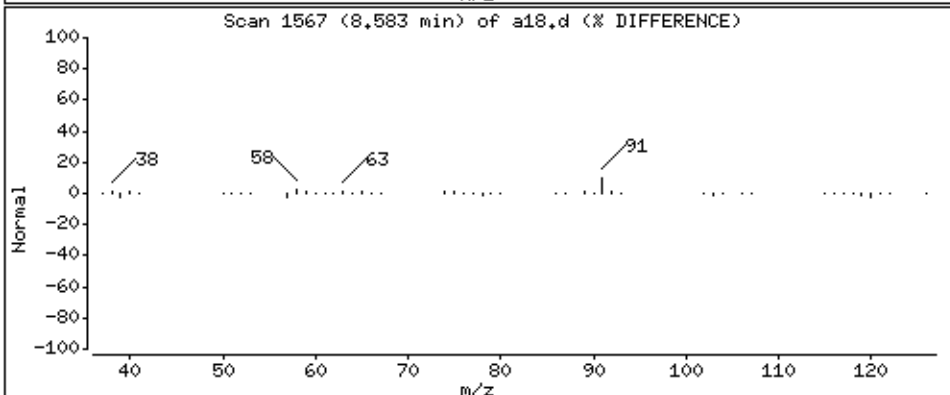
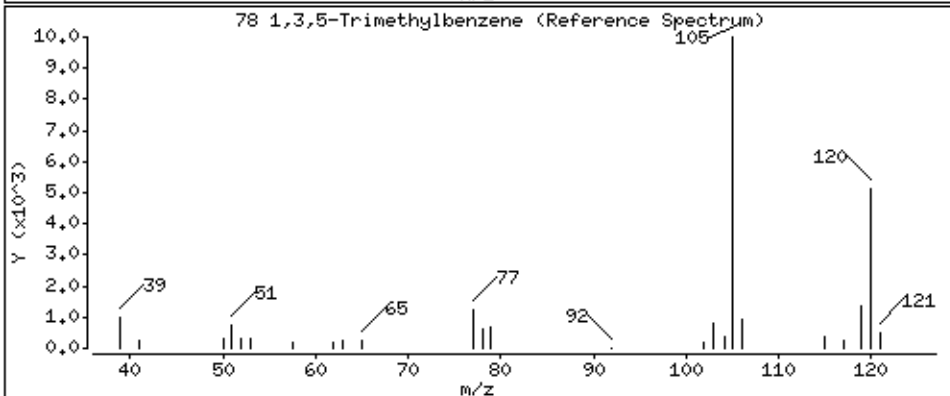
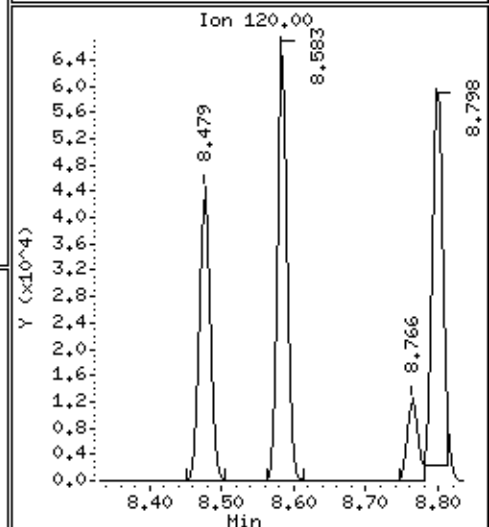
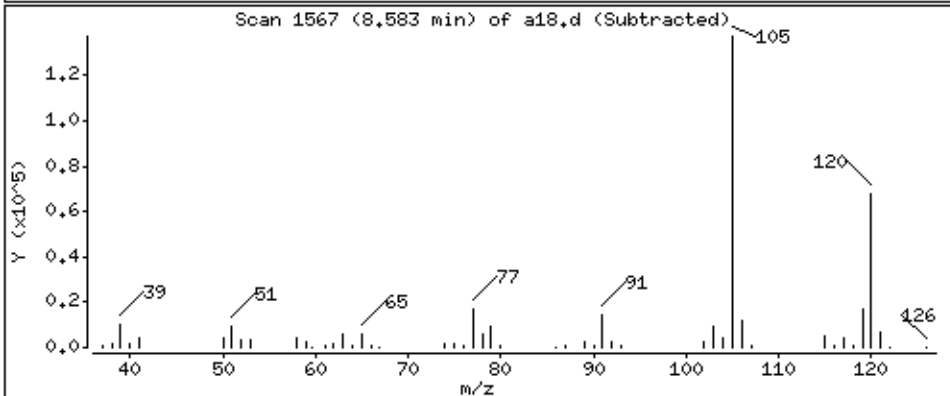
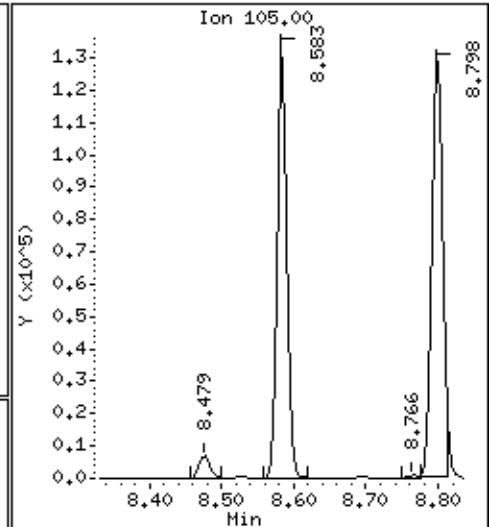
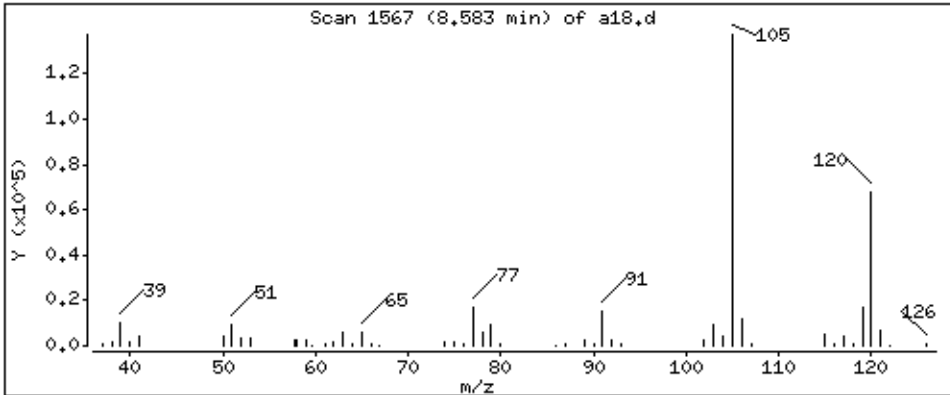
Column phase: DB-624

Column diameter: 0,18

78 1,3,5-Trimethylbenzene

Concentration: 41.0 ppb

Review Code:



Date : 02-JUL-2014 19:16

Client ID: THW-5(12-14)HSD

Instrument: 50mv3a.i

Sample Info: 1122049,71089;5

Operator: jlz

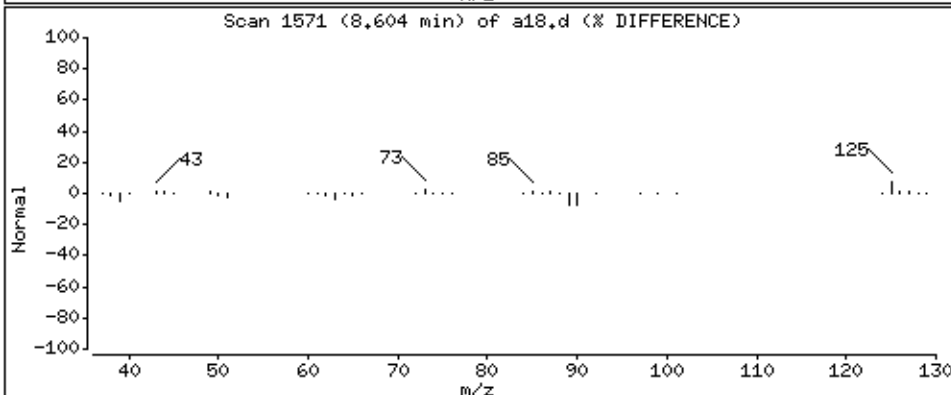
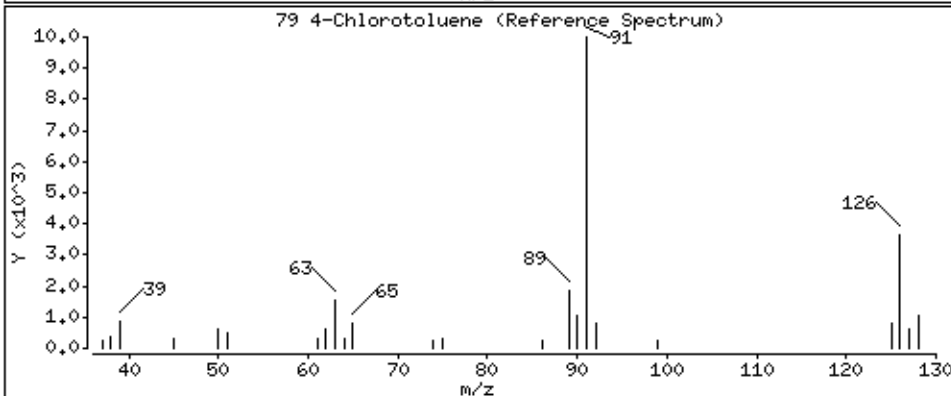
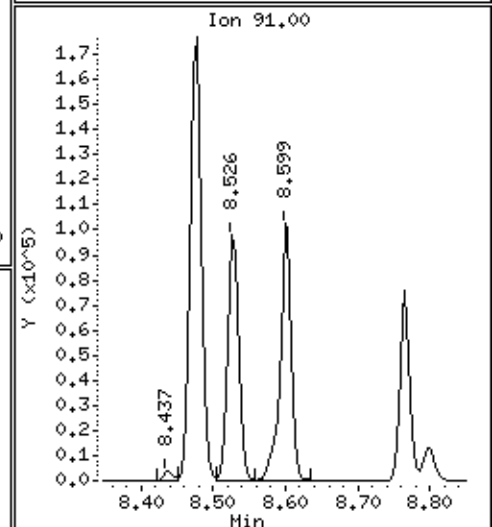
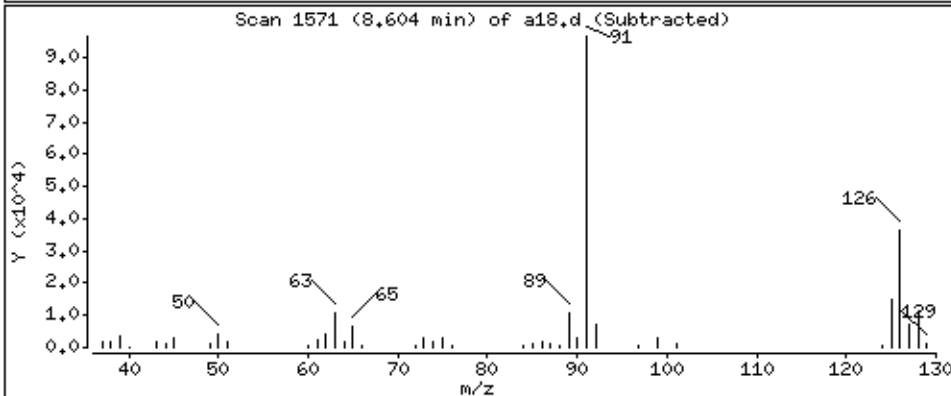
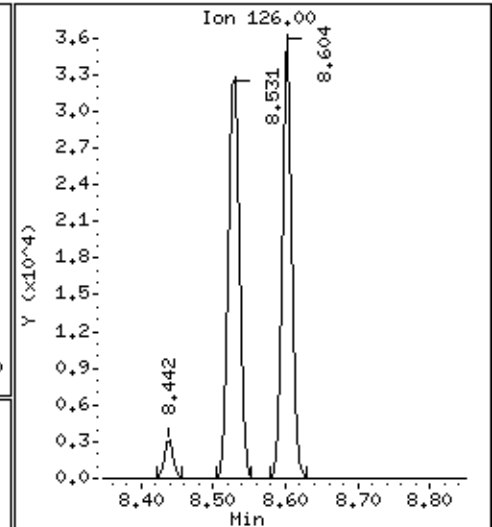
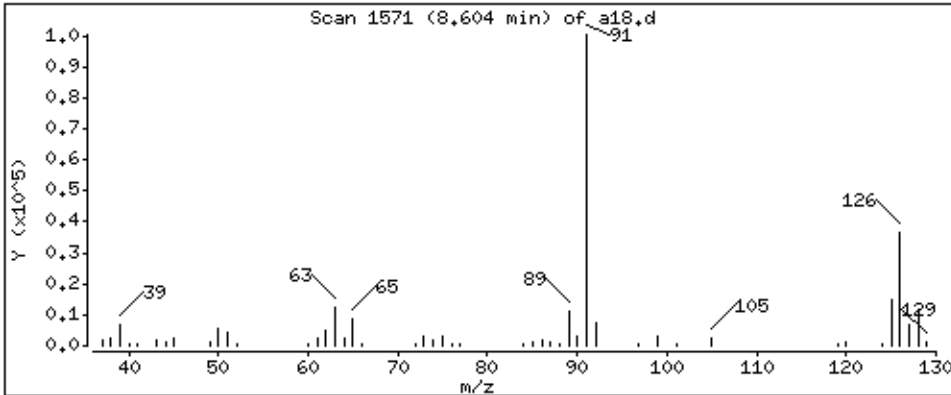
Column phase: DB-624

Column diameter: 0,18

79 4-Chlorotoluene

Concentration: 42.1 ppb

Review Code:



Date : 02-JUL-2014 19:16

Client ID: THW-5(12-14)HSD

Instrument: 50mv3a.i

Sample Info: 1122049,71089;5

Operator: jlz

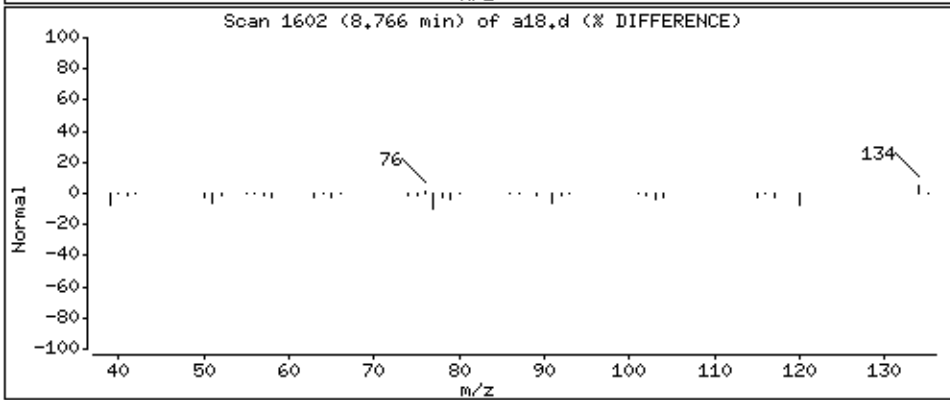
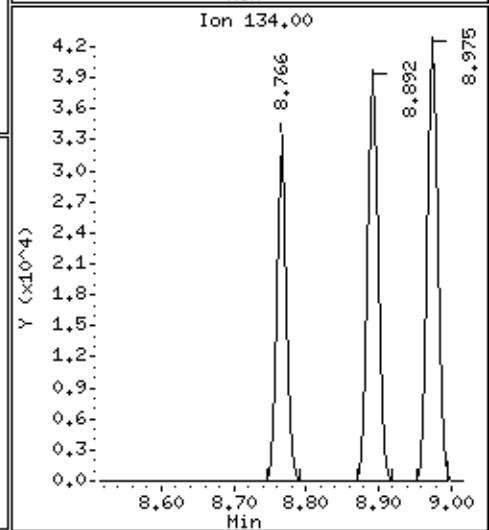
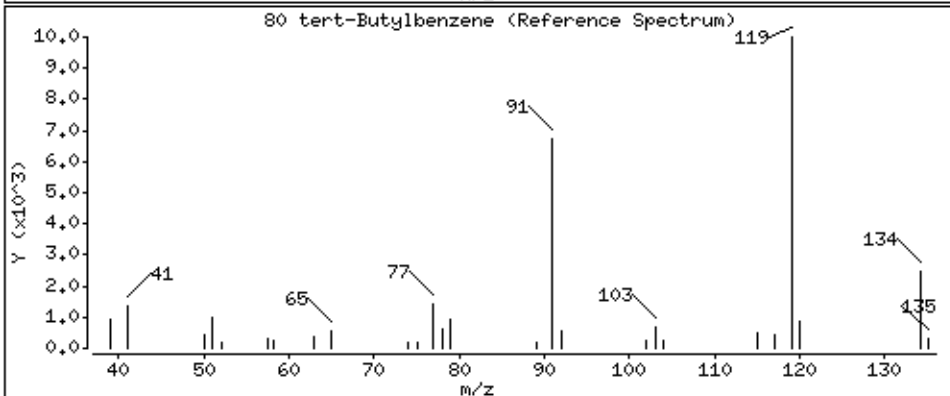
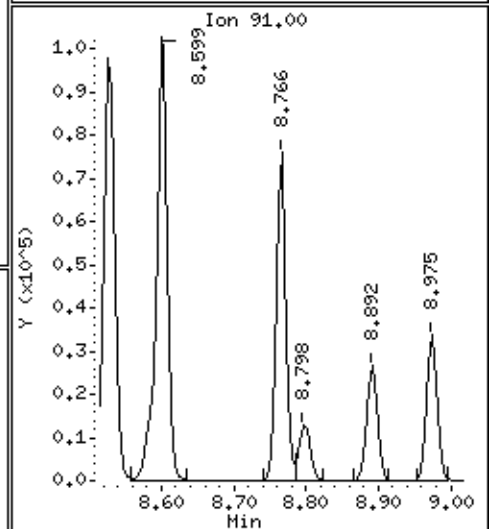
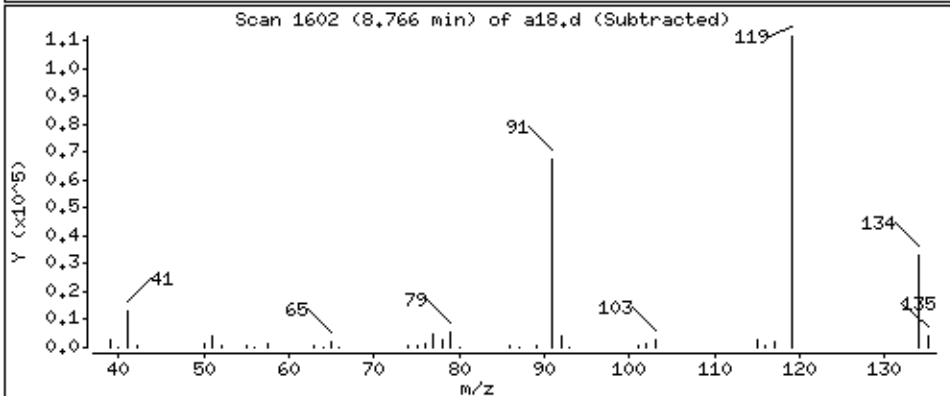
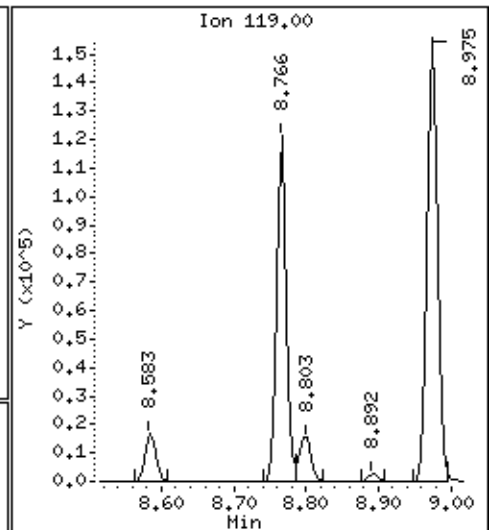
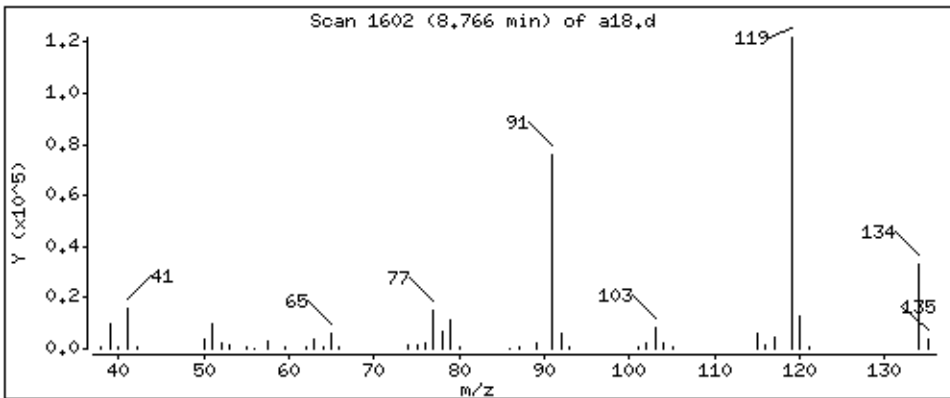
Column phase: DB-624

Column diameter: 0,18

80 tert-Butylbenzene

Concentration: 34,8 ppb

Review Code:



Date : 02-JUL-2014 19:16

Client ID: THW-5(12-14)HSD

Instrument: 50mv3a.i

Sample Info: 1122049,71089;5

Operator: jlz

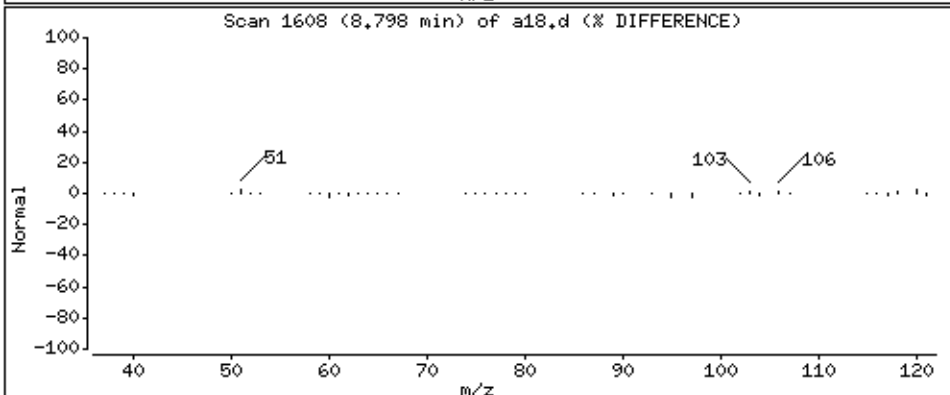
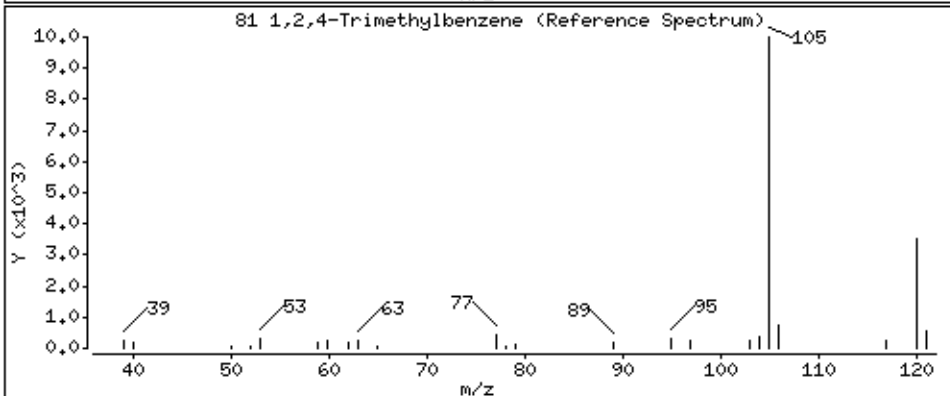
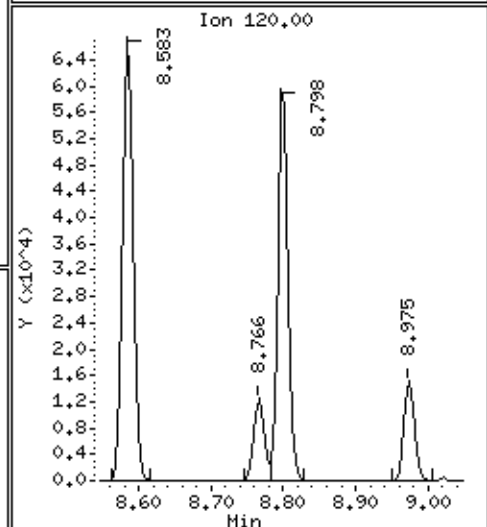
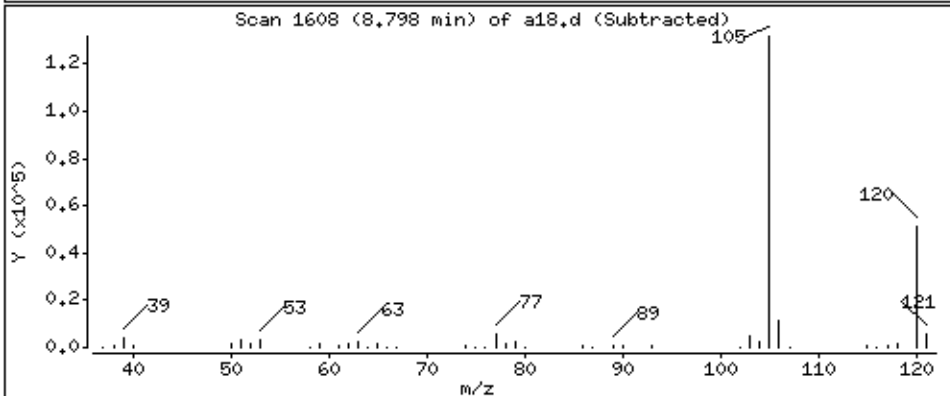
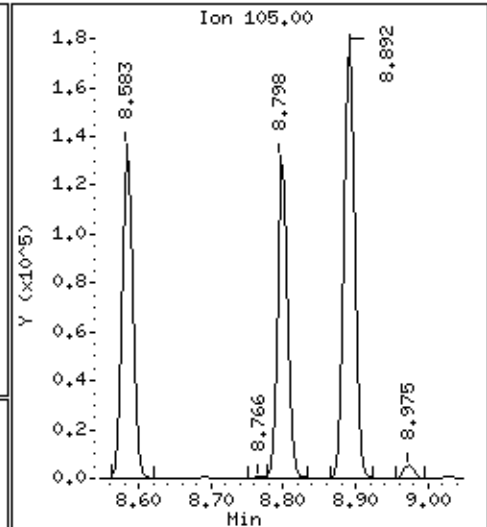
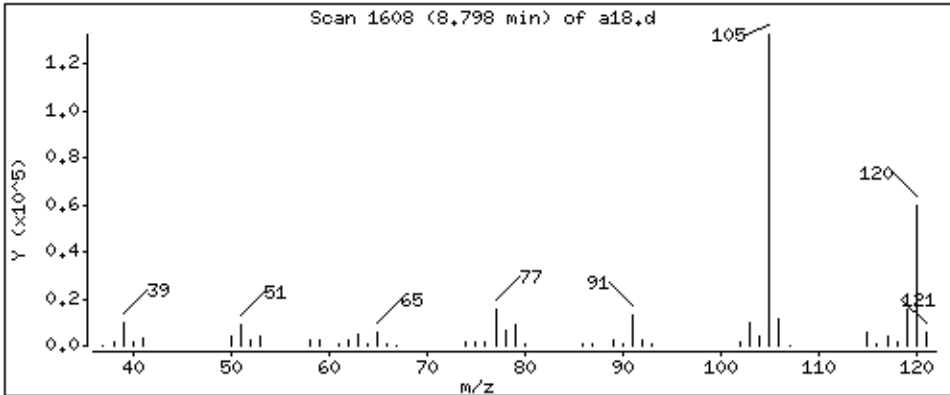
Column phase: DB-624

Column diameter: 0,18

81 1,2,4-Trimethylbenzene

Concentration: 41.5 ppb

Review Code:



Date : 02-JUL-2014 19:16

Client ID: THW-5(12-14)HSD

Instrument: 50mv3a.i

Sample Info: 1122049,71089;5

Operator: jlz

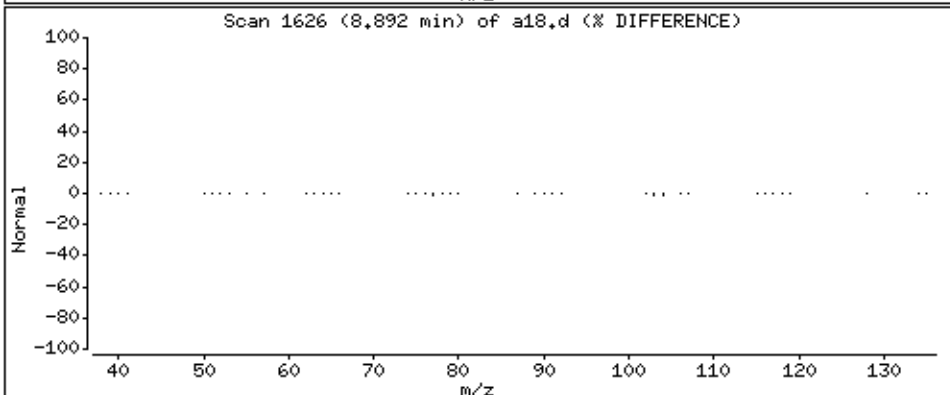
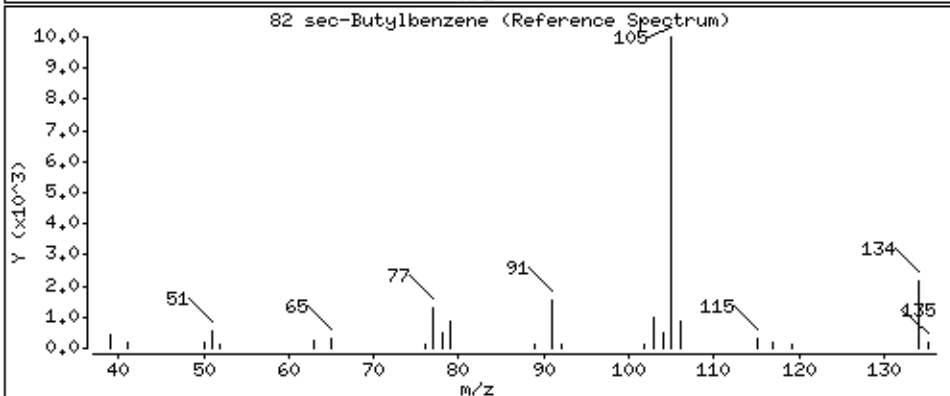
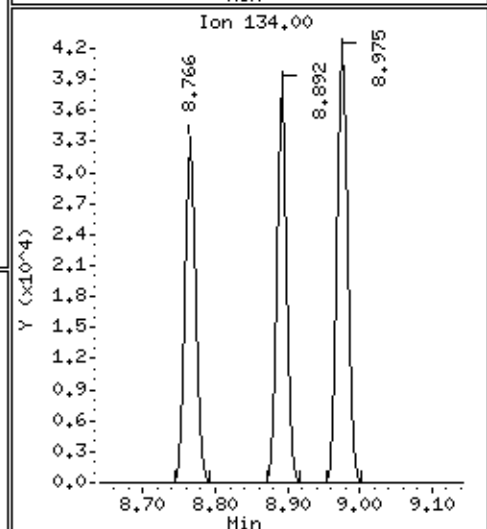
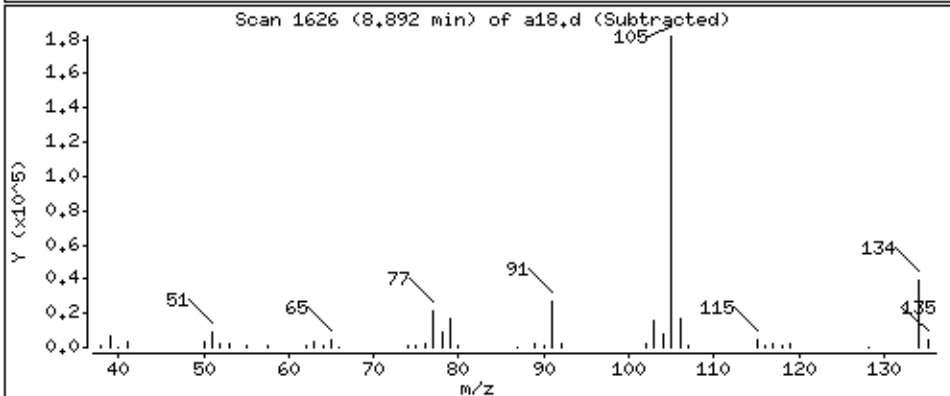
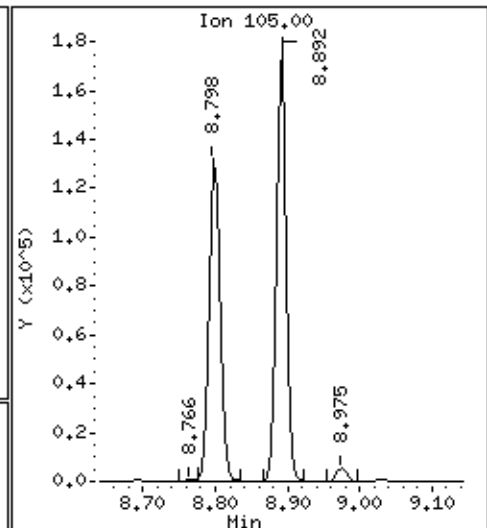
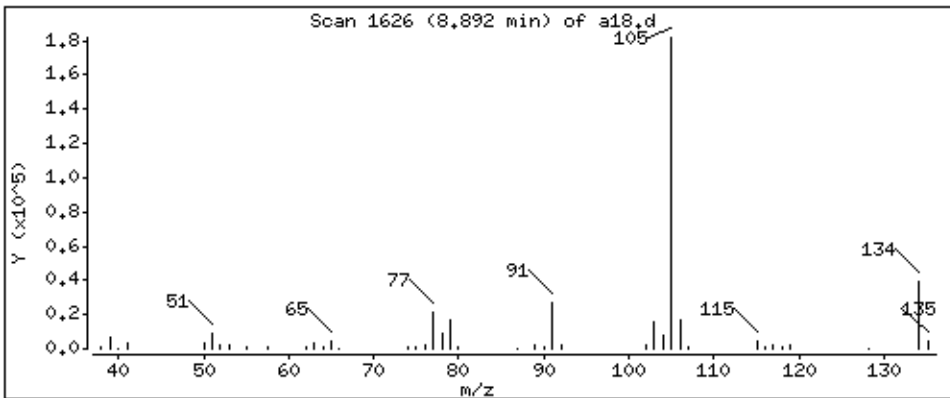
Column phase: DB-624

Column diameter: 0,18

82 sec-Butylbenzene

Concentration: 41.2 ppb

Review Code:



Date : 02-JUL-2014 19:16

Client ID: THW-5(12-14)HSD

Instrument: 50mv3a.i

Sample Info: 1122049,71089;5

Operator: jlz

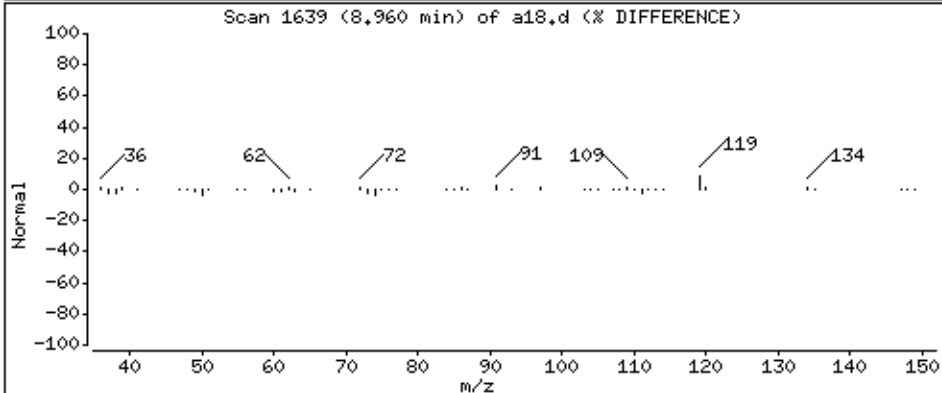
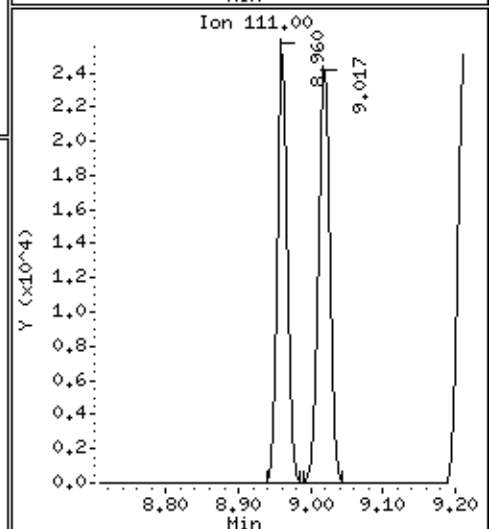
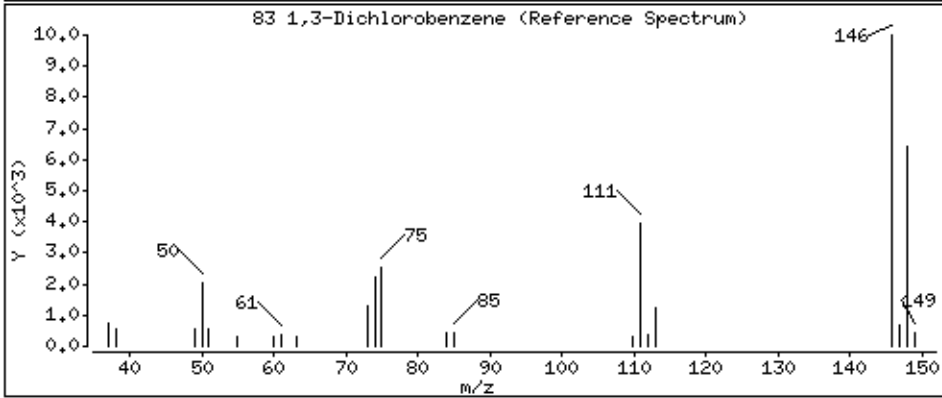
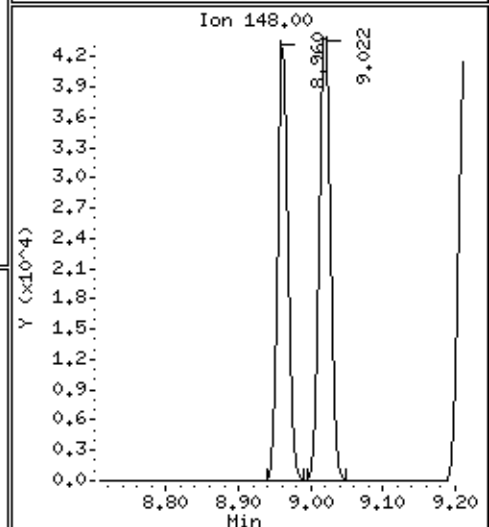
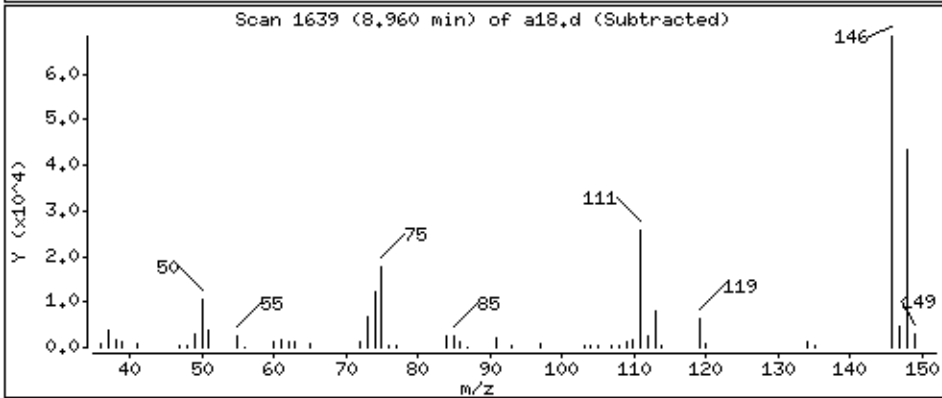
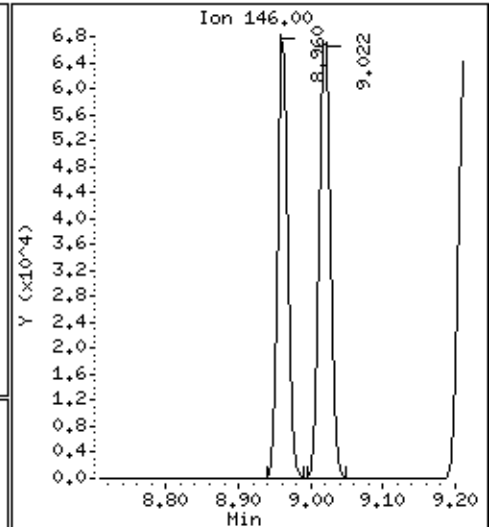
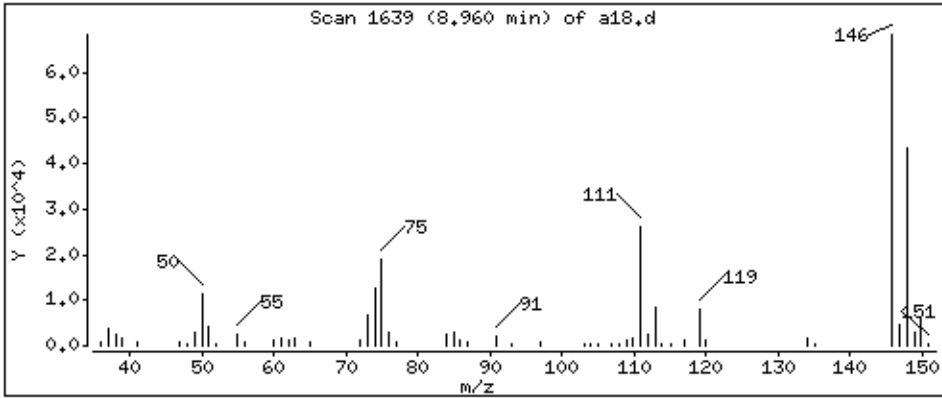
Column phase: DB-624

Column diameter: 0,18

83 1,3-Dichlorobenzene

Concentration: 40,4 ppb

Review Code:



Date : 02-JUL-2014 19:16

Client ID: THW-5(12-14)HSD

Instrument: 50mw3a.i

Sample Info: 1122049,71089;5

Operator: jlz

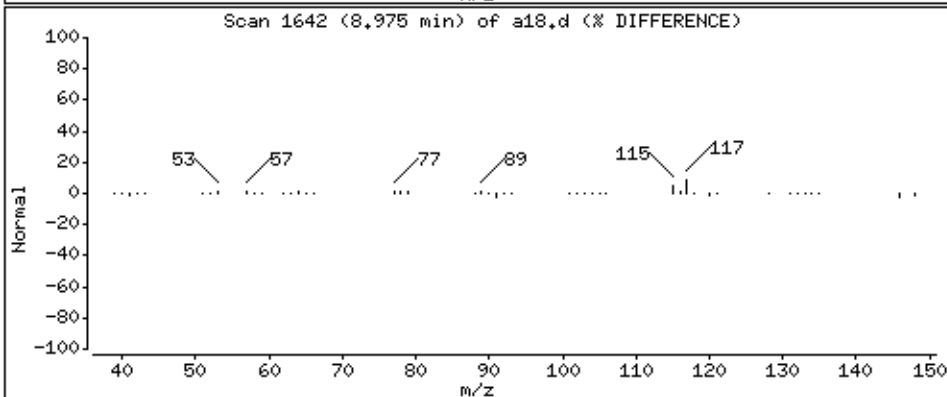
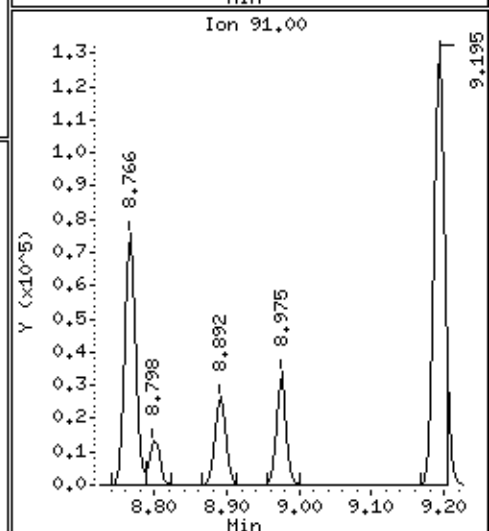
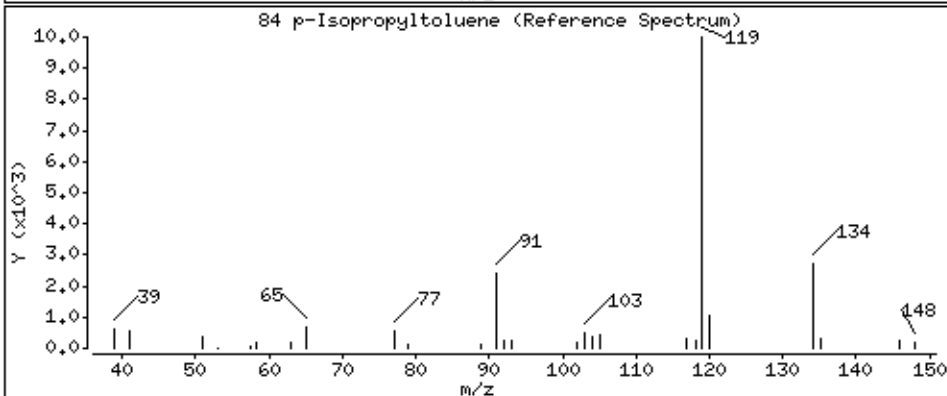
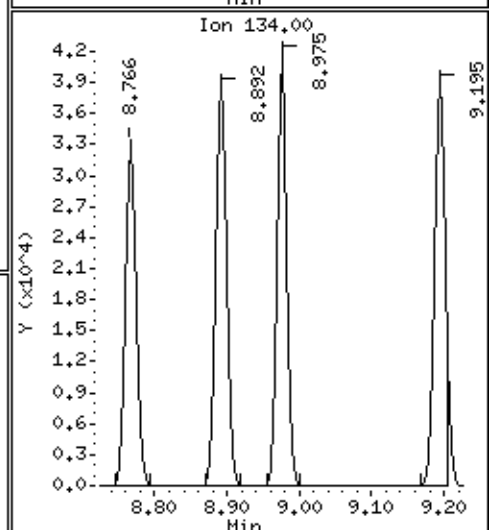
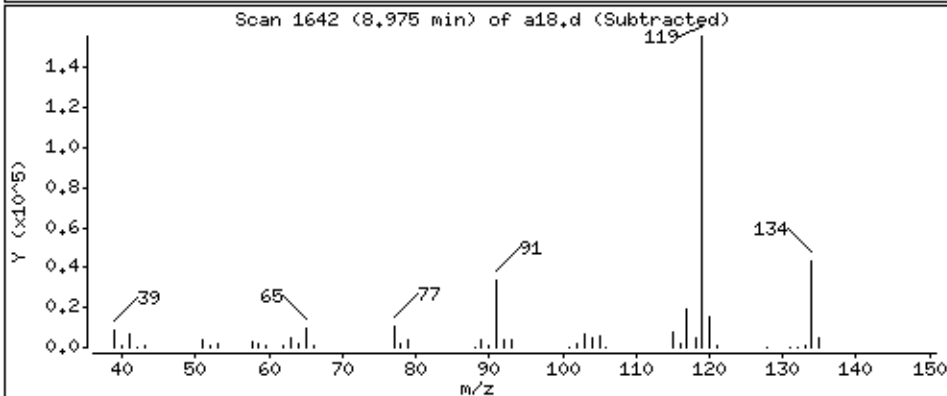
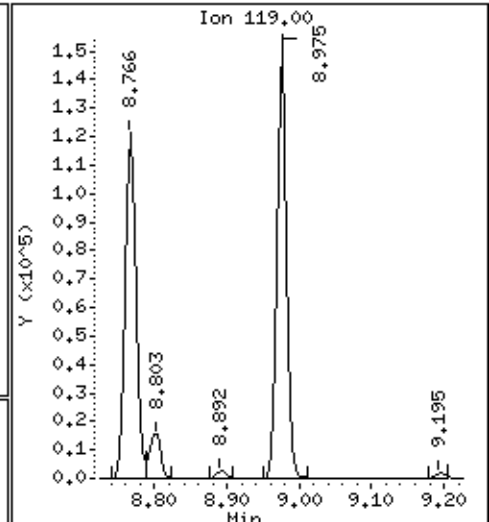
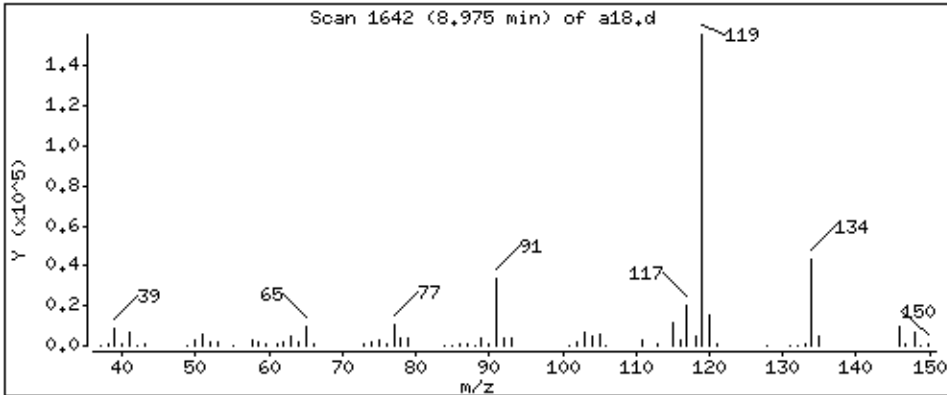
Column phase: DB-624

Column diameter: 0,18

84 p-Isopropyltoluene

Concentration: 39,8 ppb

Review Code:



Date : 02-JUL-2014 19:16

Client ID: THW-5(12-14)HSD

Instrument: 50mv3a.i

Sample Info: 1122049,71089;5

Operator: jlz

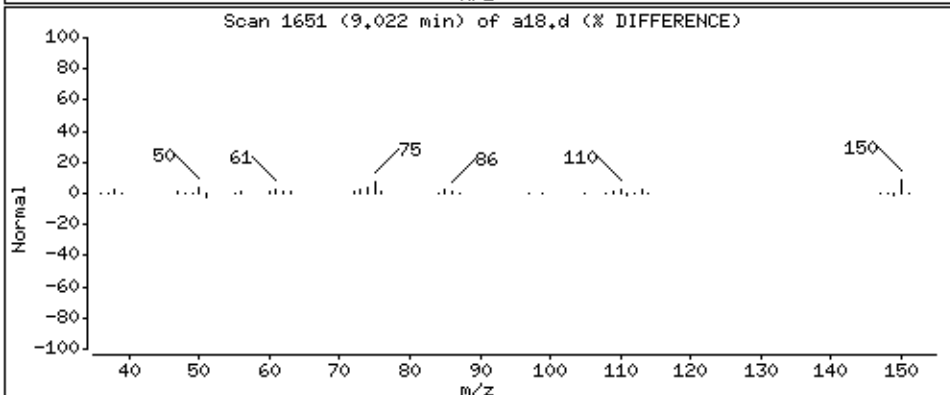
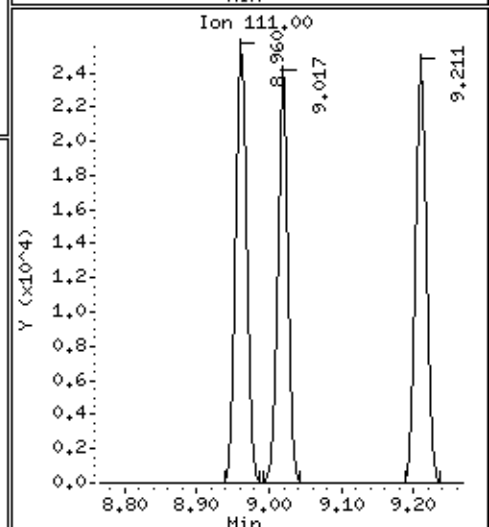
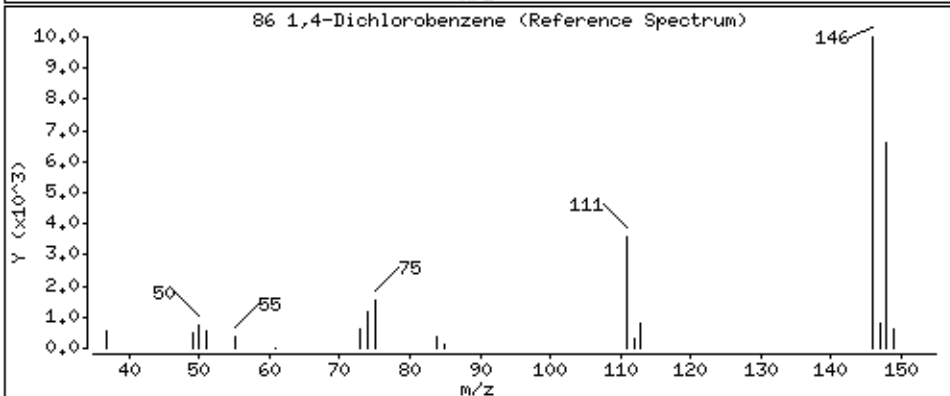
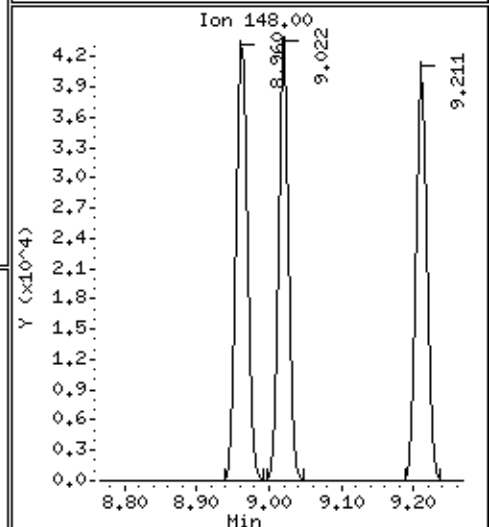
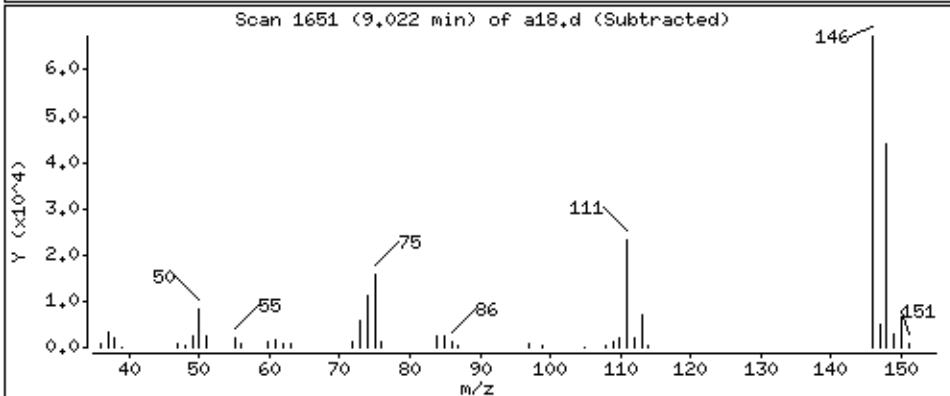
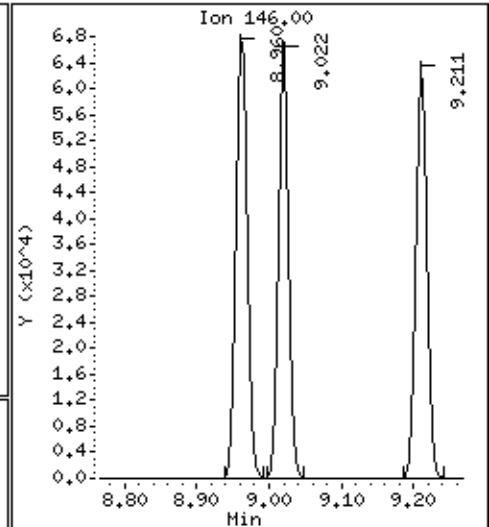
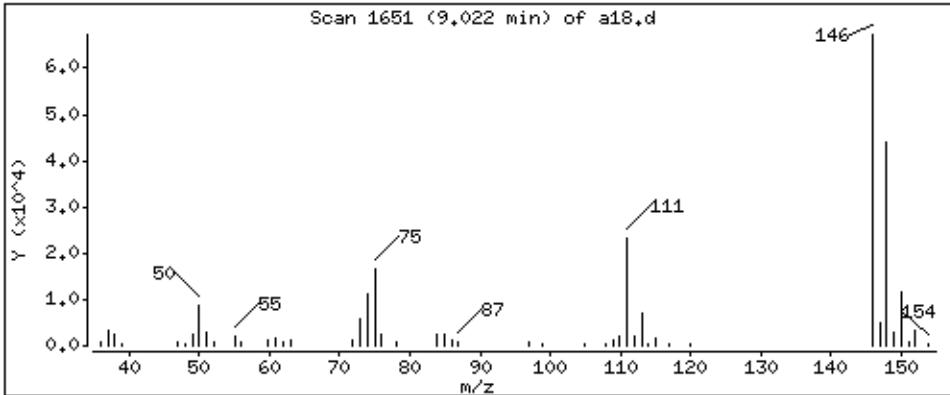
Column phase: DB-624

Column diameter: 0,18

86 1,4-Dichlorobenzene

Concentration: 40,3 ppb

Review Code:



Date : 02-JUL-2014 19:16

Client ID: THW-5(12-14)HSD

Instrument: 50mv3a.i

Sample Info: 1122049,71089;5

Operator: jlz

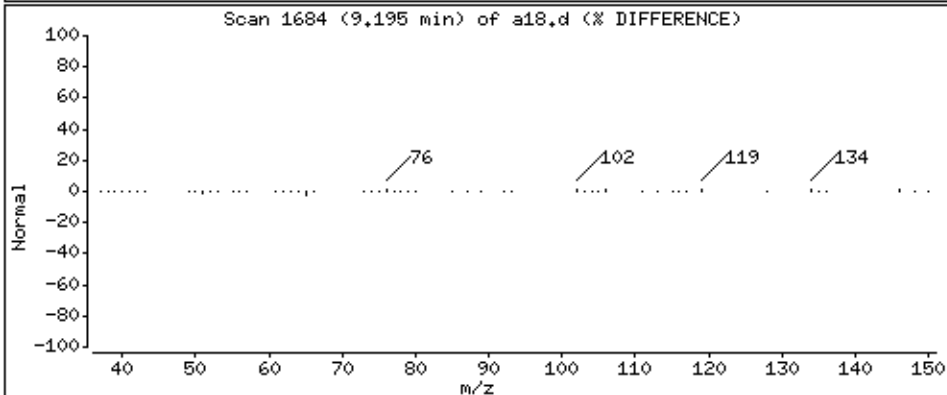
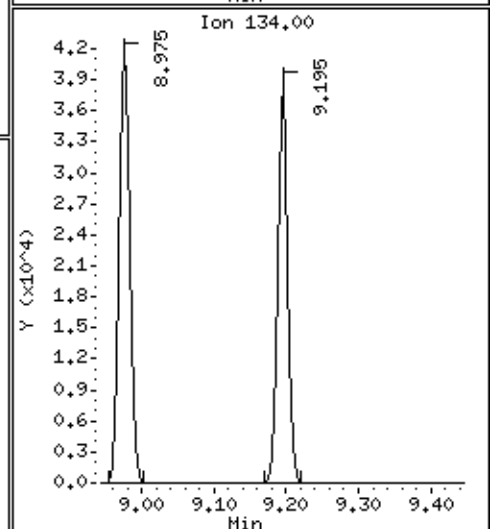
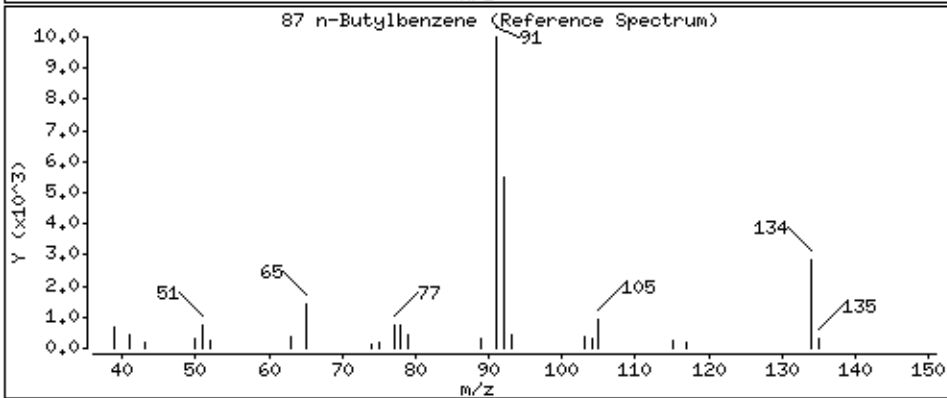
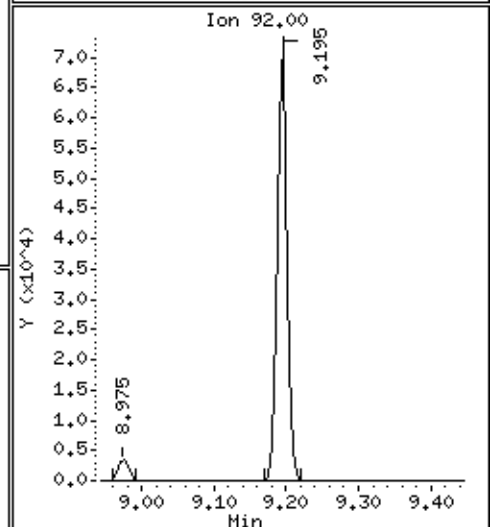
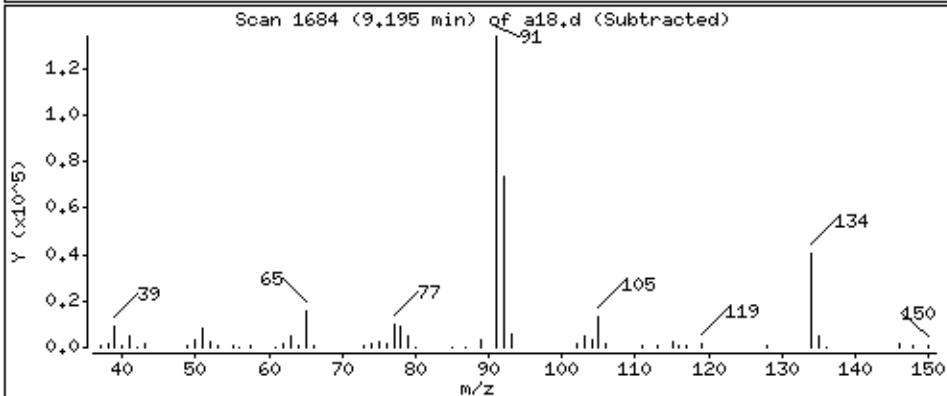
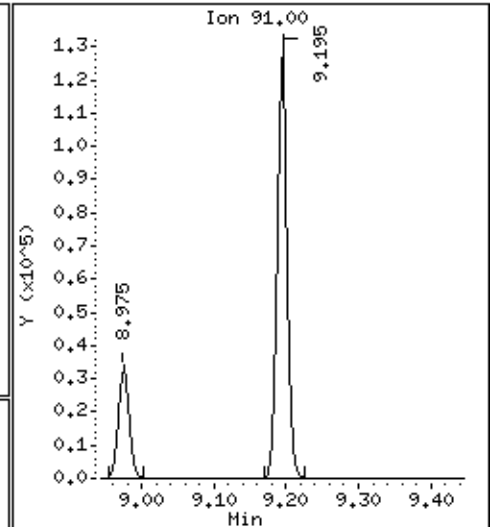
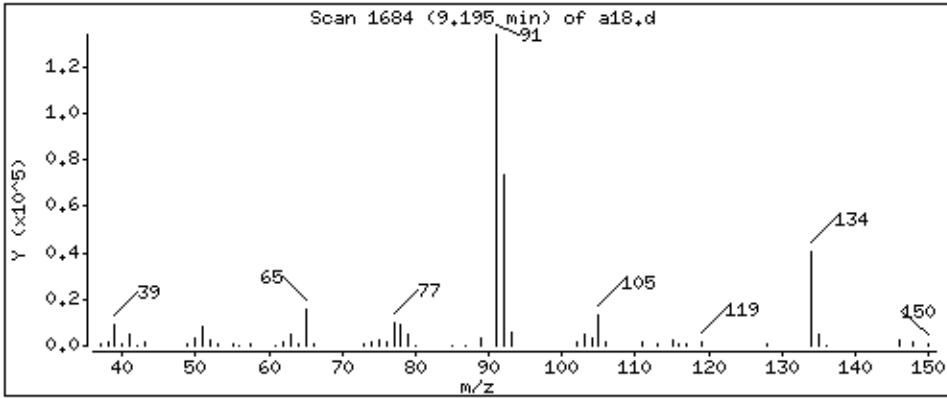
Column phase: DB-624

Column diameter: 0,18

87 n-Butylbenzene

Concentration: 38,8 ppb

Review Code:



Date : 02-JUL-2014 19:16

Client ID: THW-5(12-14)HSD

Instrument: 50mv3a.i

Sample Info: 1122049,71089;5

Operator: jlz

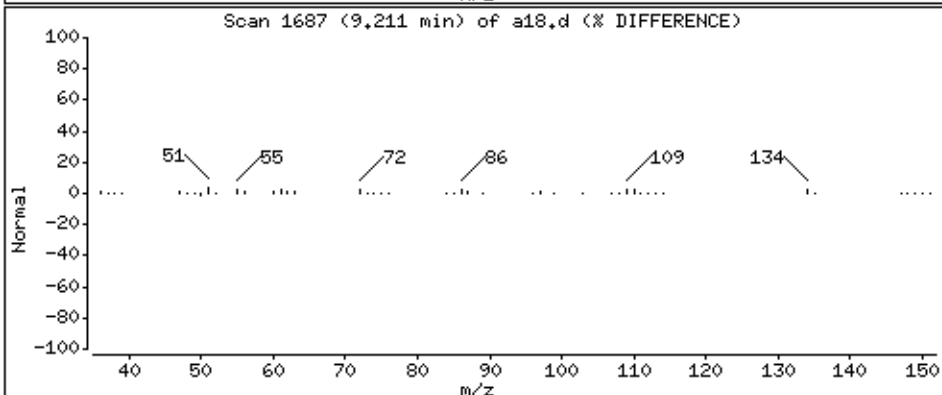
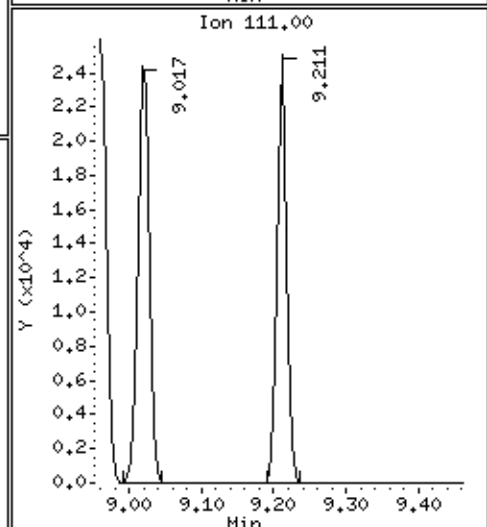
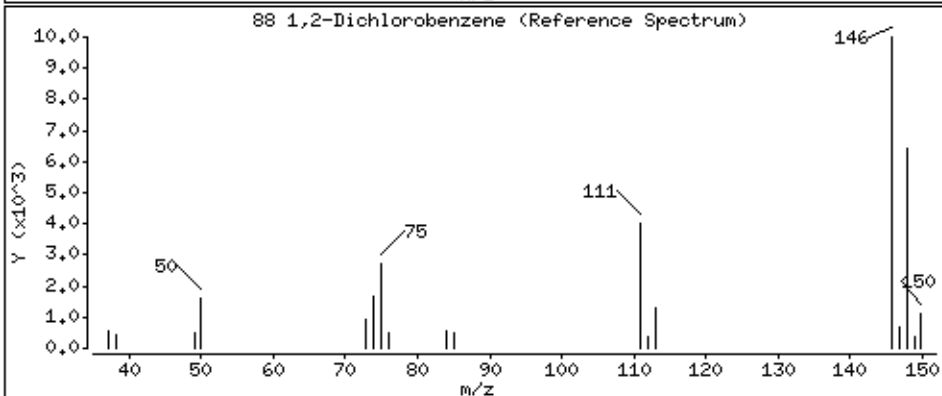
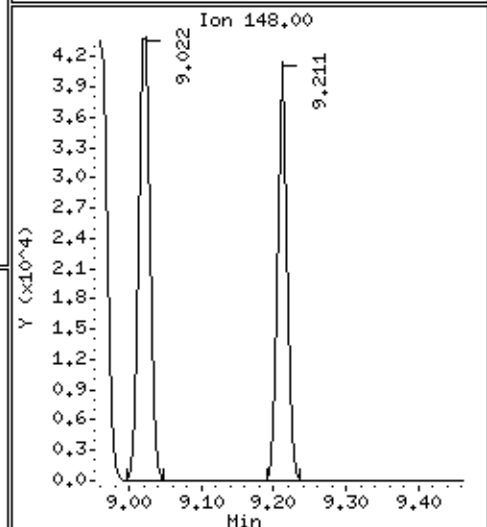
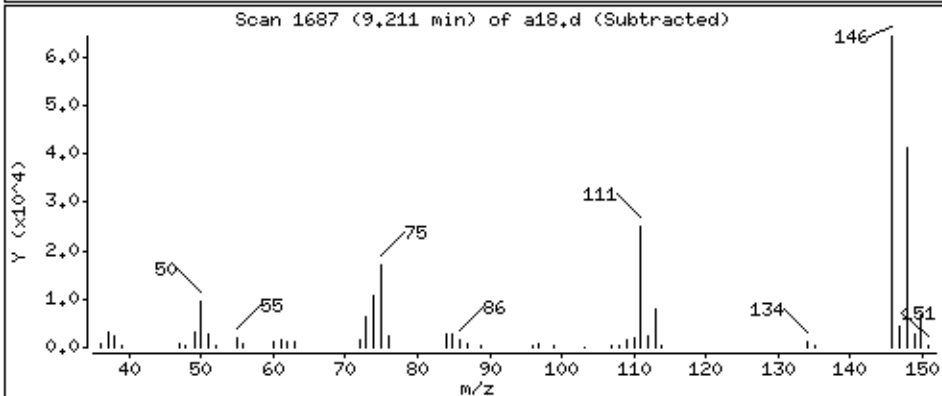
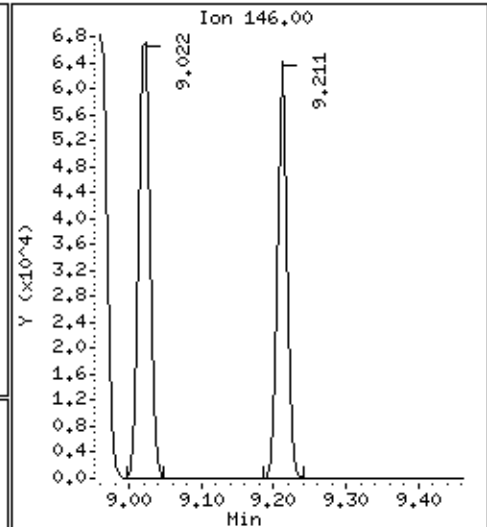
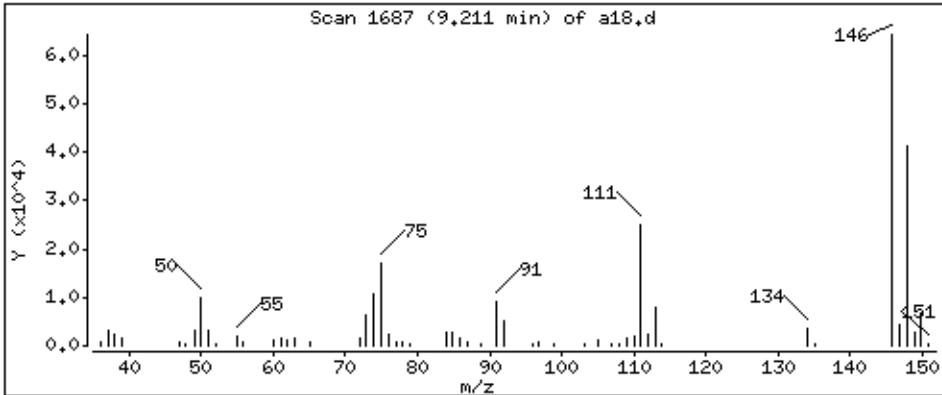
Column phase: DB-624

Column diameter: 0,18

88 1,2-Dichlorobenzene

Concentration: 41.4 ppb

Review Code:



Date : 02-JUL-2014 19:16

Client ID: THW-5(12-14)HSD

Instrument: 50mv3a.i

Sample Info: 1122049,71089;5

Operator: jlz

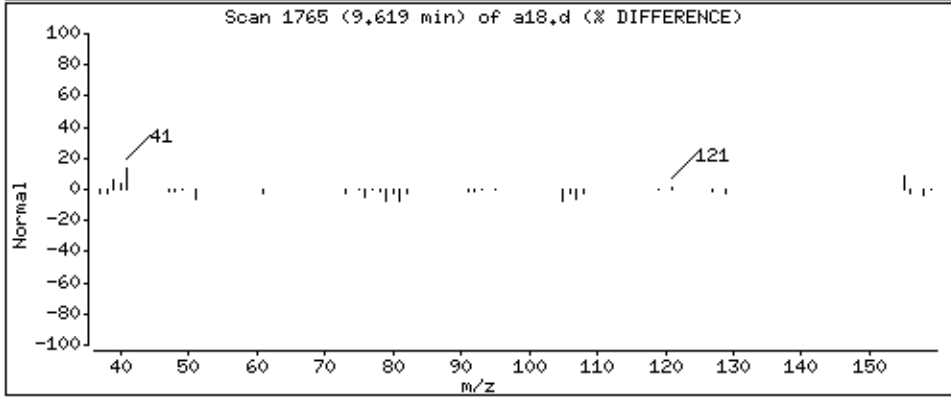
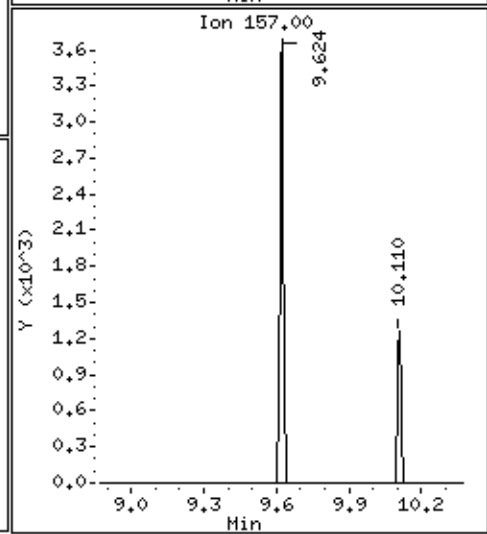
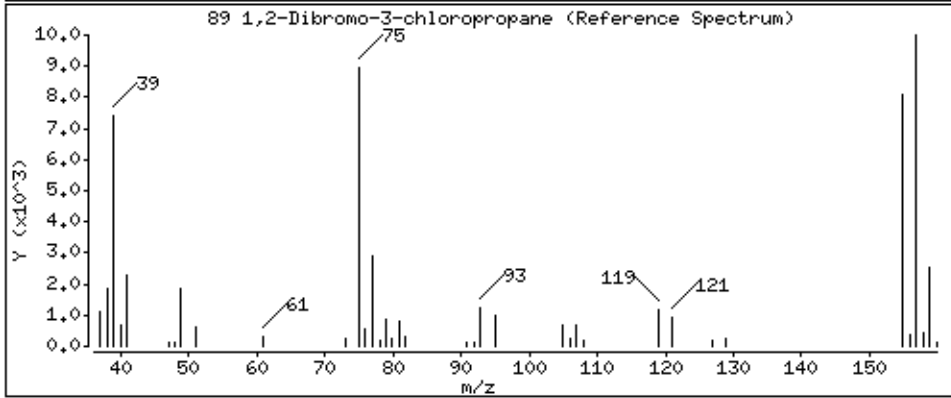
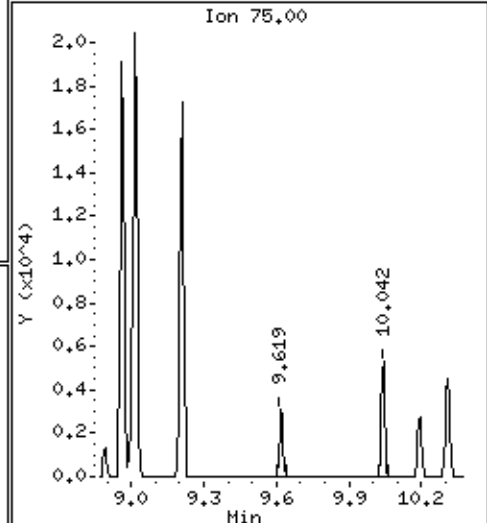
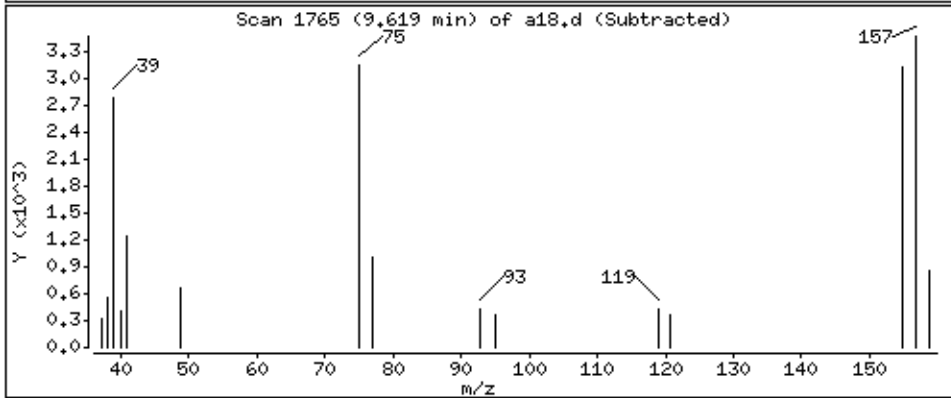
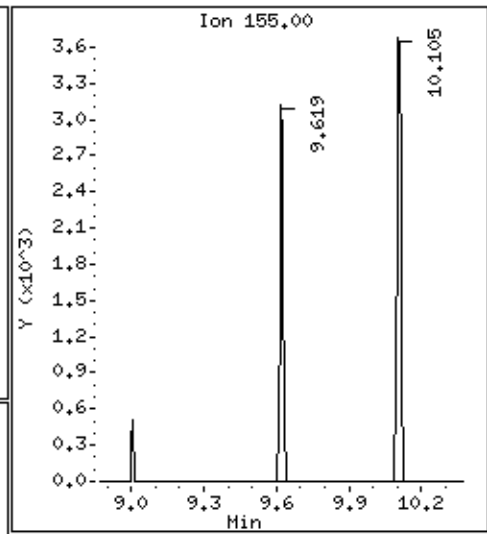
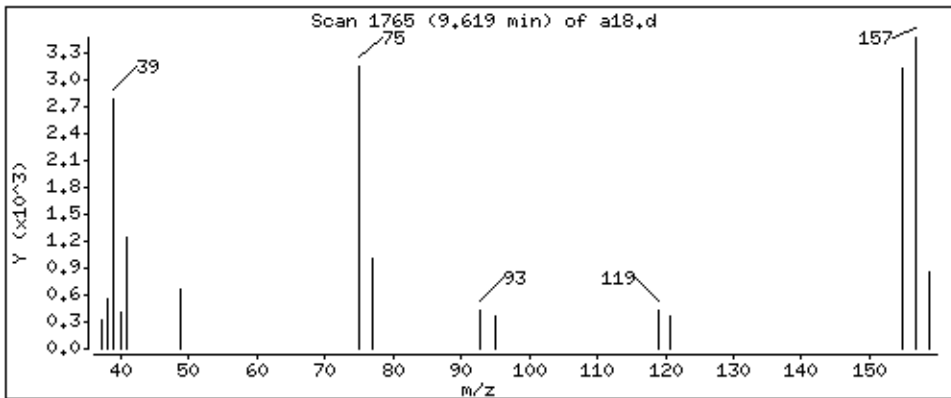
Column phase: DB-624

Column diameter: 0,18

89 1,2-Dibromo-3-chloropropane

Concentration: 28,6 ppb

Review Code:



Date : 02-JUL-2014 19:16

Client ID: THW-5(12-14)HSD

Instrument: 50mv3a.i

Sample Info: 1122049,71089;5

Operator: jlz

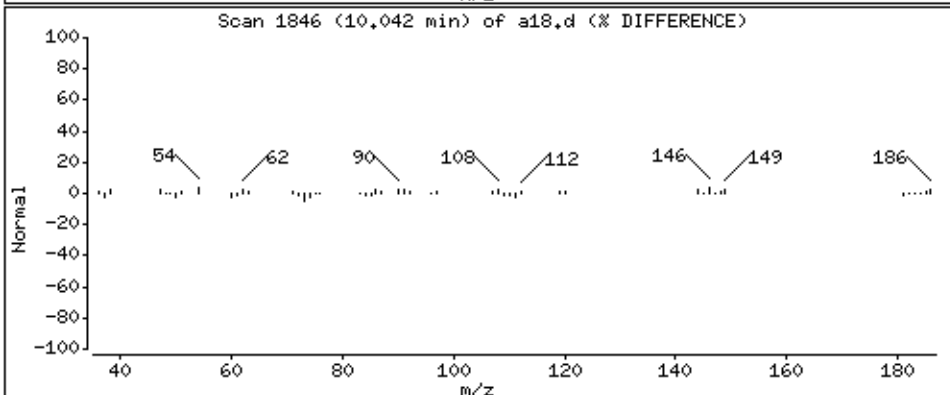
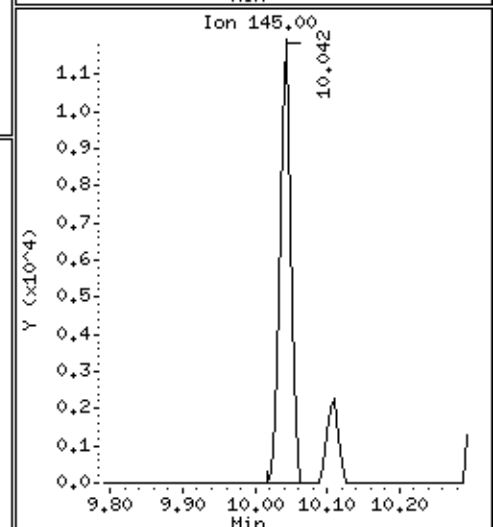
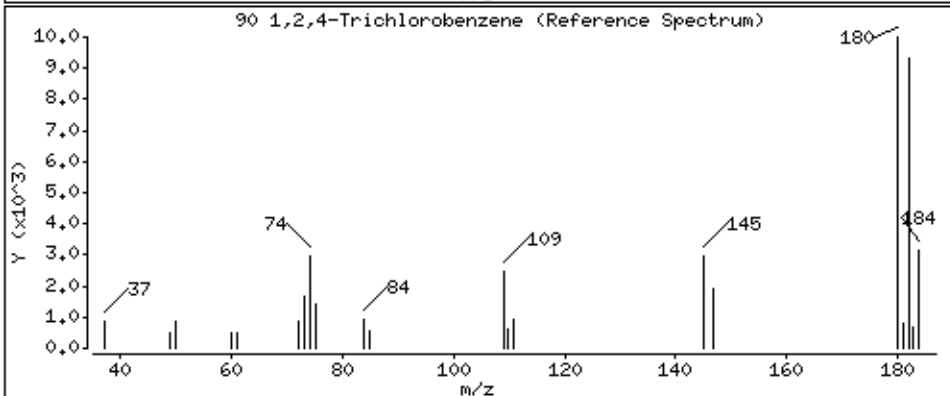
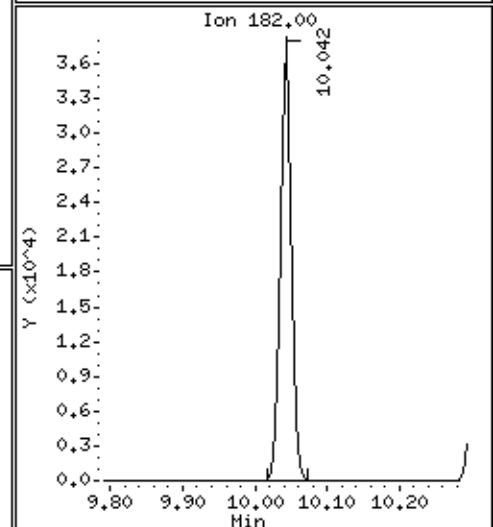
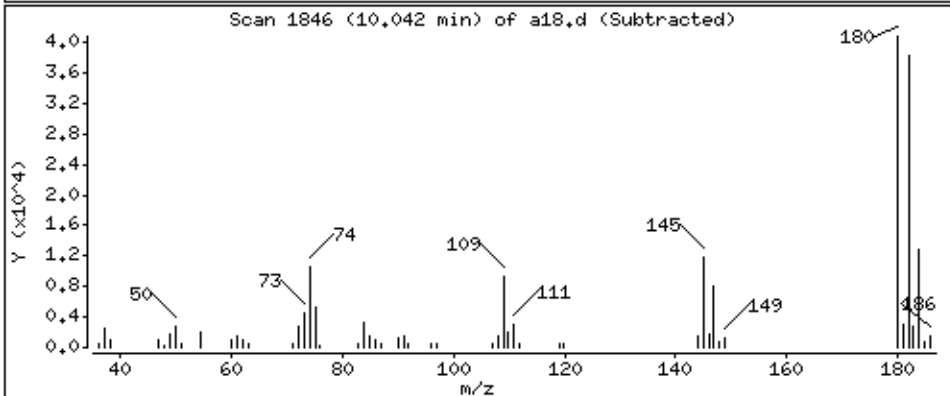
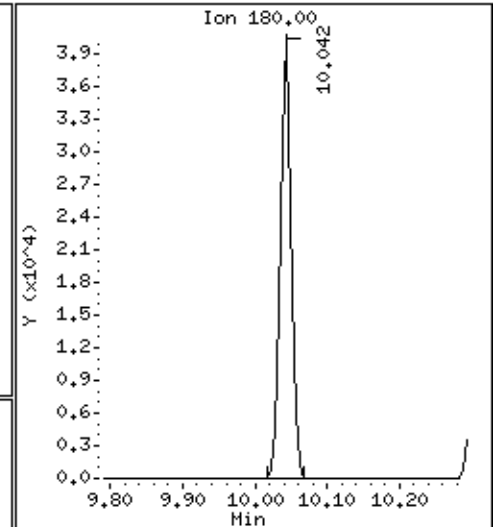
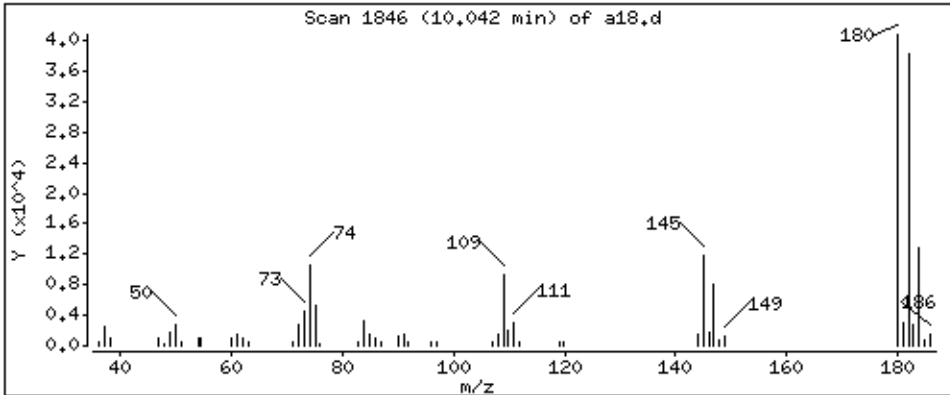
Column phase: DB-624

Column diameter: 0,18

90 1,2,4-Trichlorobenzene

Concentration: 40,3 ppb

Review Code:



Date : 02-JUL-2014 19:16

Client ID: THW-5(12-14)HSD

Instrument: 50mw3a.i

Sample Info: 1122049,71089;5

Operator: jlz

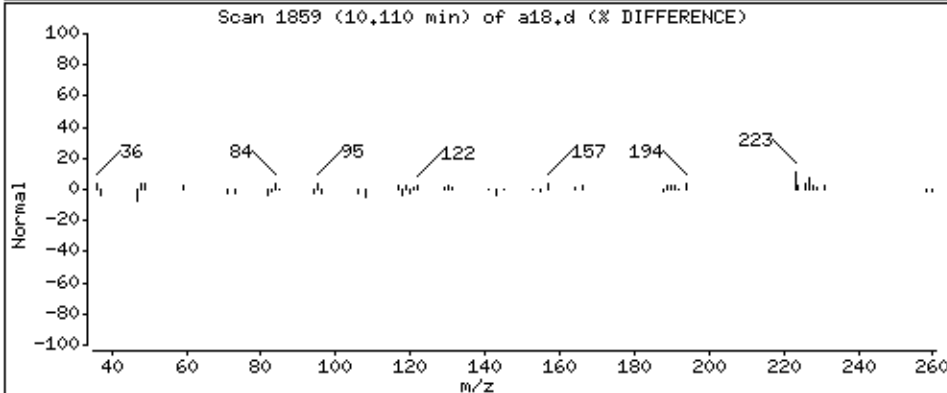
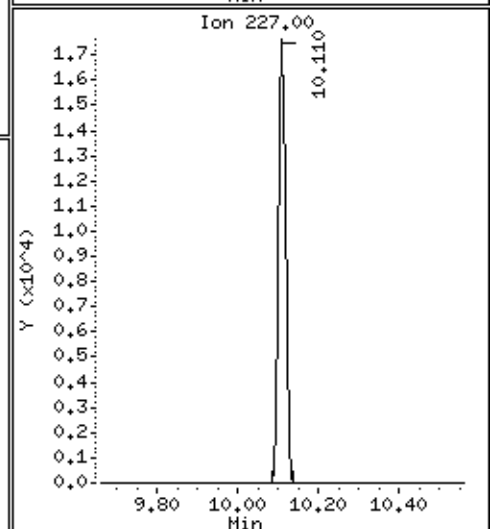
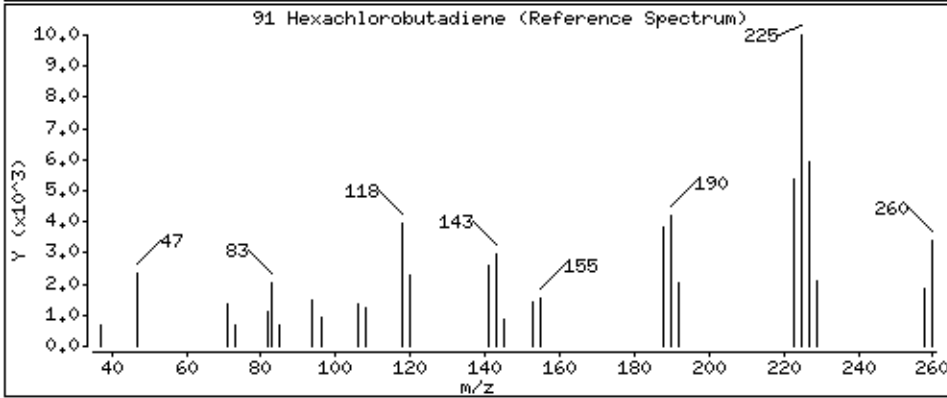
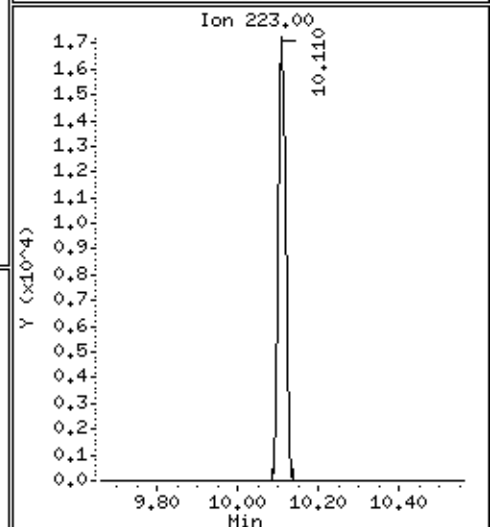
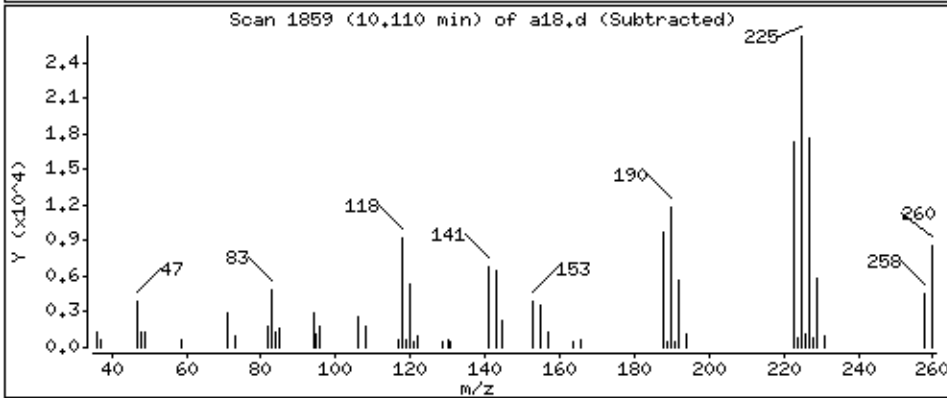
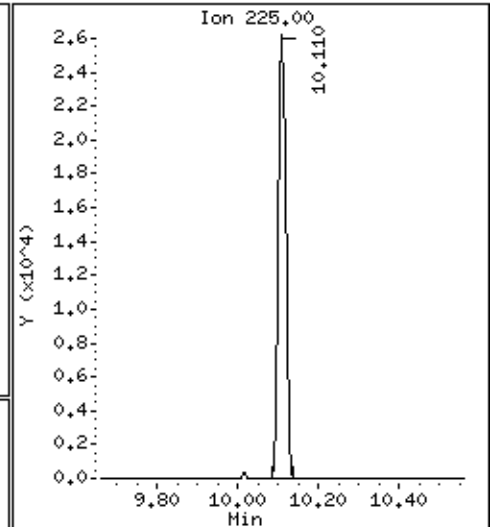
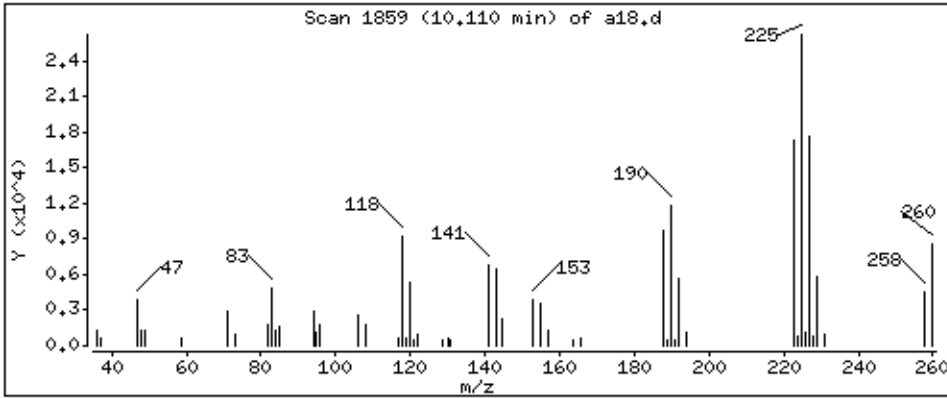
Column phase: DB-624

Column diameter: 0,18

91 Hexachlorobutadiene

Concentration: 41.6 ppb

Review Code:



Date : 02-JUL-2014 19:16

Client ID: THW-5(12-14)HSD

Instrument: 50mv3a.i

Sample Info: 1122049,71089;5

Operator: jlz

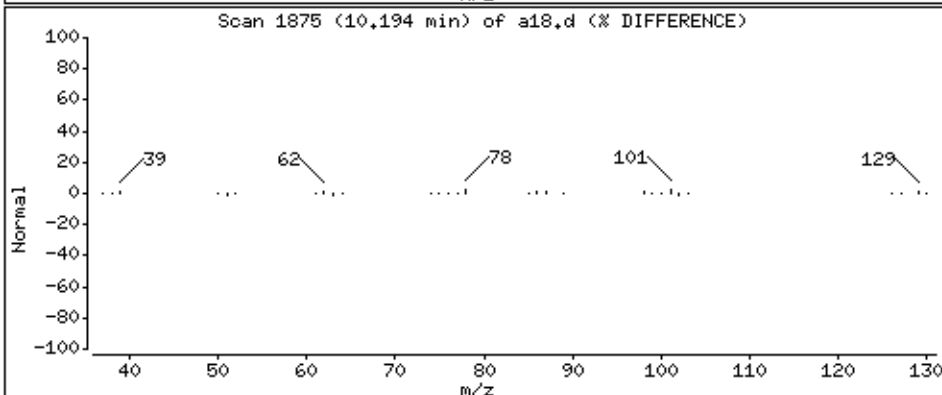
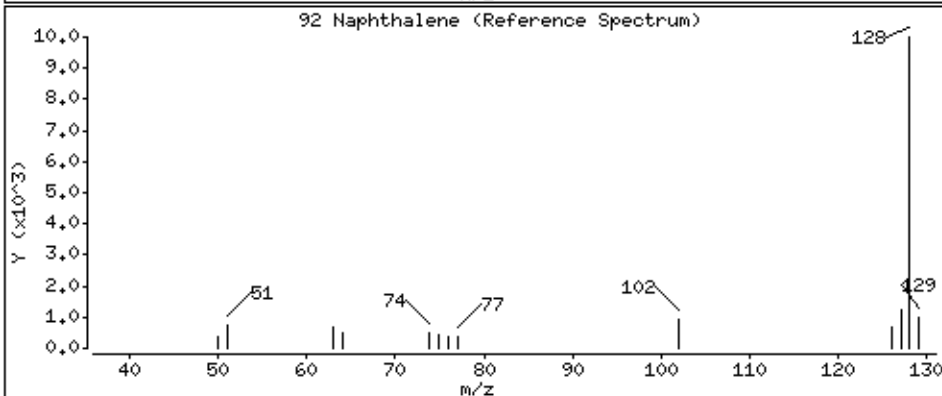
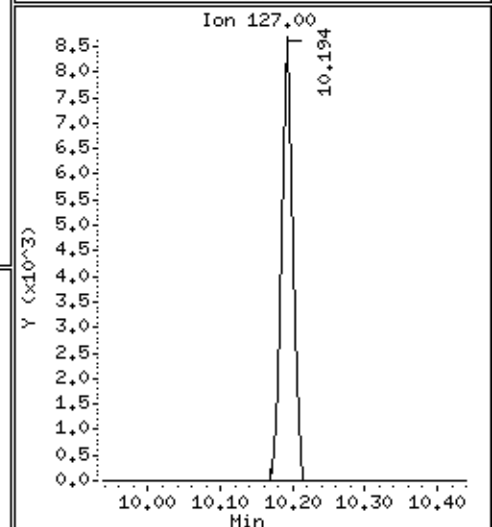
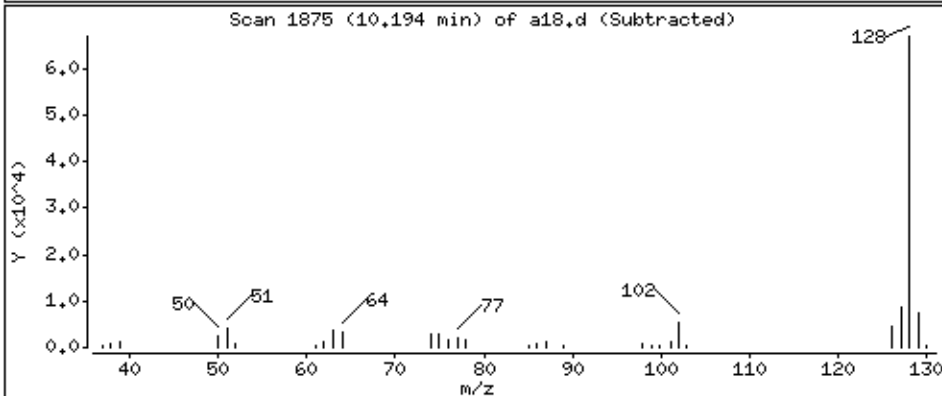
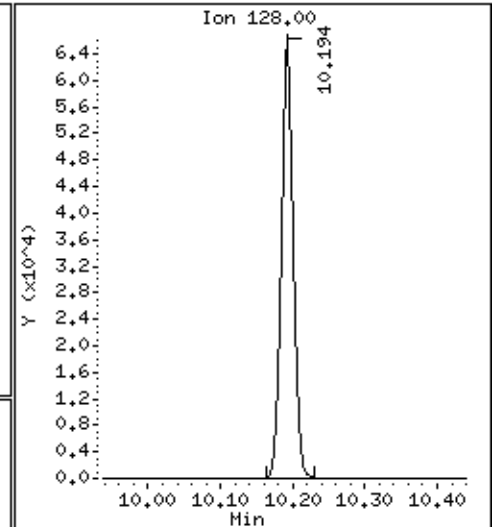
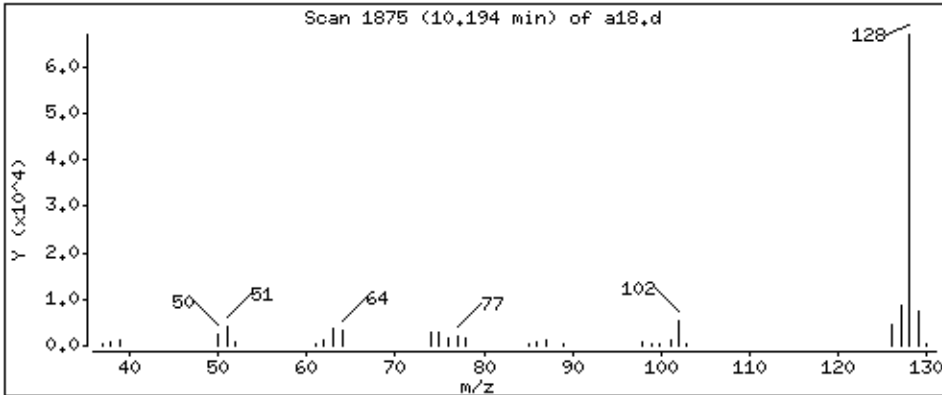
Column phase: DB-624

Column diameter: 0,18

92 Naphthalene

Concentration: 41,5 ppb

Review Code:



Date : 02-JUL-2014 19:16

Client ID: THW-5(12-14)HSD

Instrument: 50mv3a.i

Sample Info: 1122049,71089;5

Operator: jlz

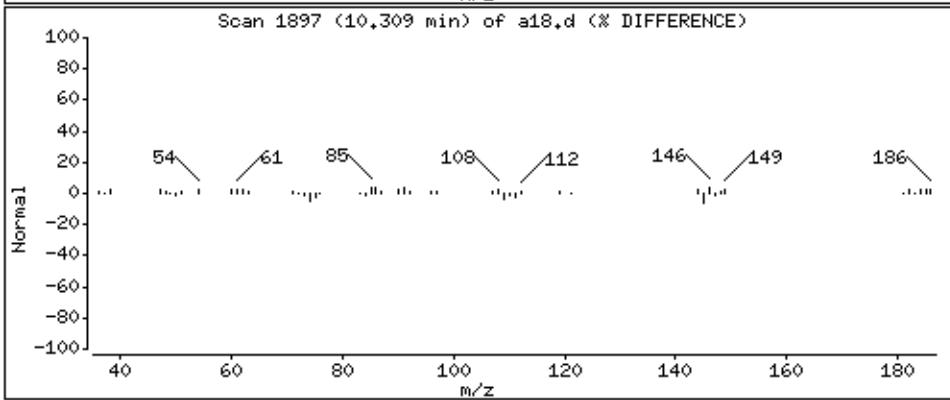
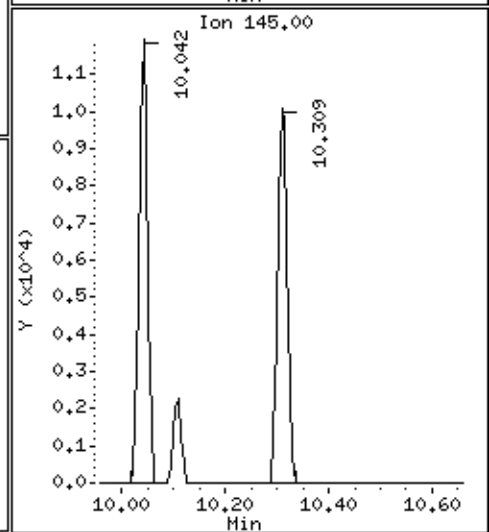
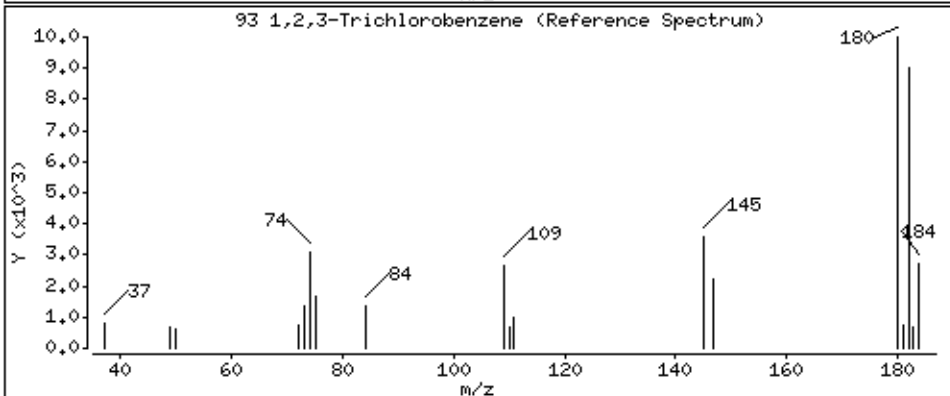
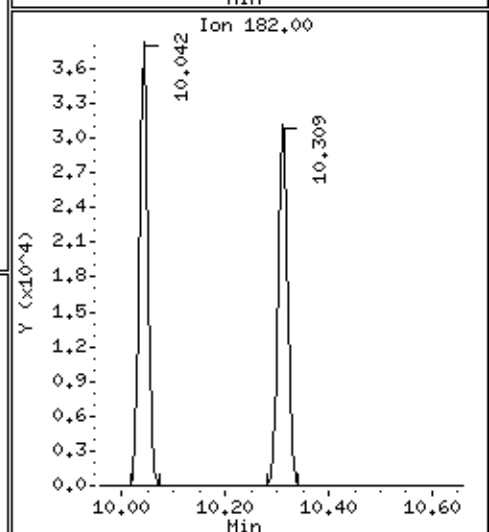
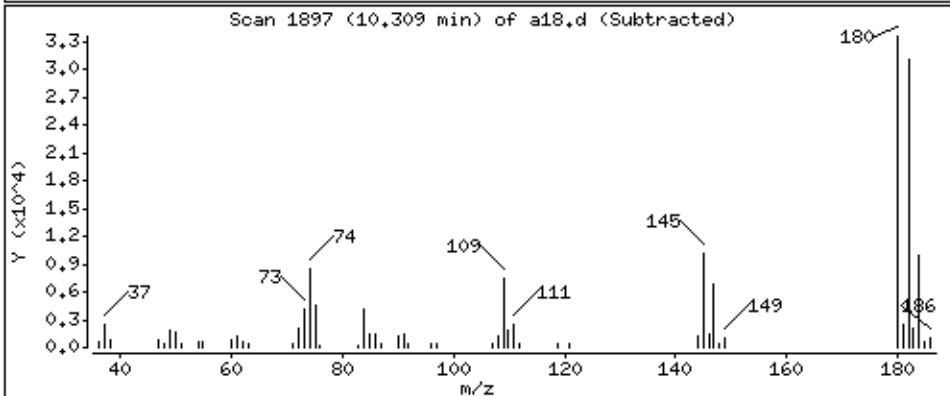
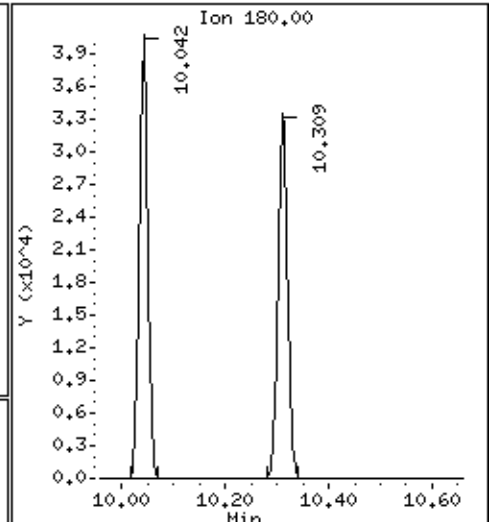
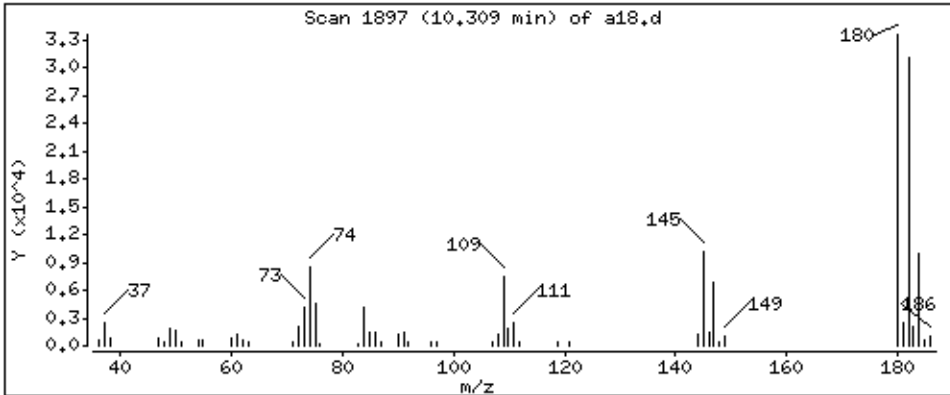
Column phase: DB-624

Column diameter: 0,18

93 1,2,3-Trichlorobenzene

Concentration: 41.3 ppb

Review Code:



Date : 02-JUL-2014 19:16

Client ID: THW-5(12-14)HSD

Instrument: 50mv3a.i

Sample Info: 1122049,71089;5

Operator: jlz

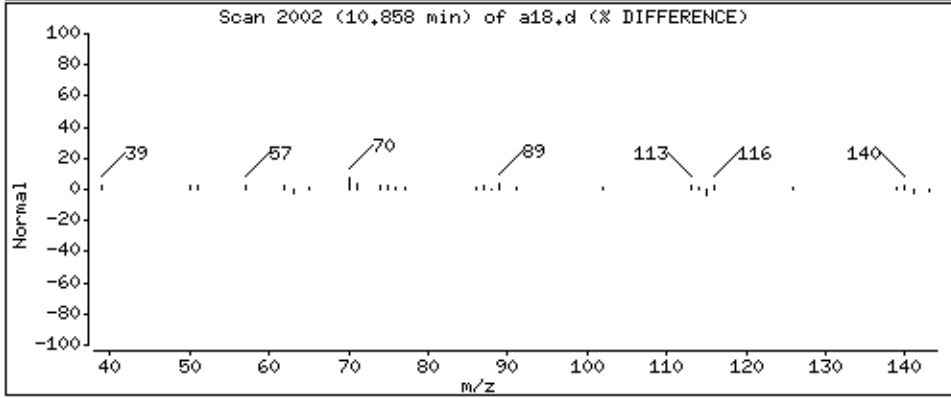
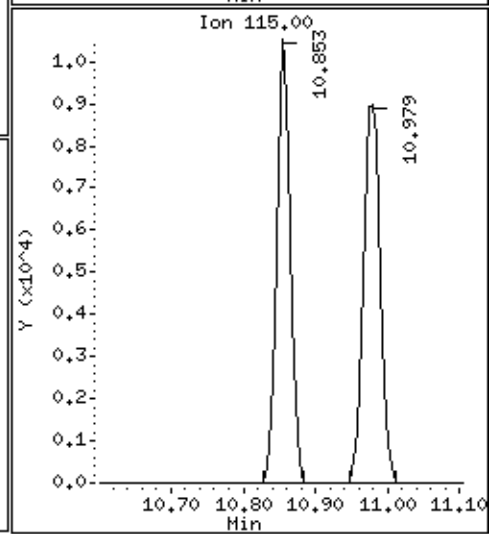
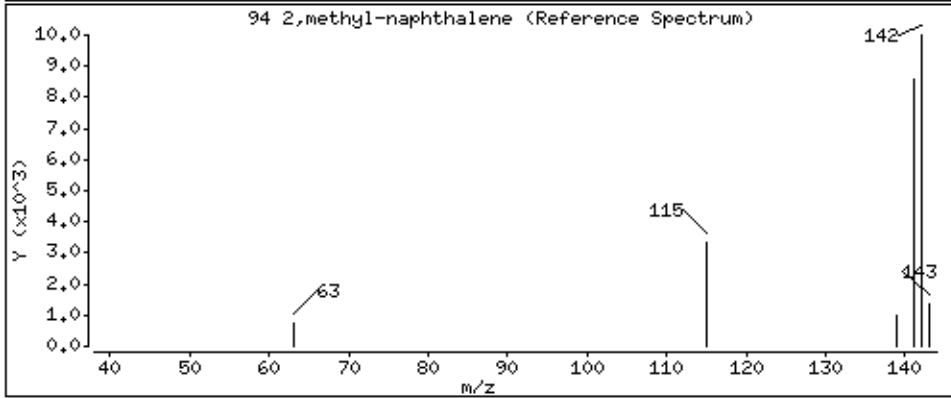
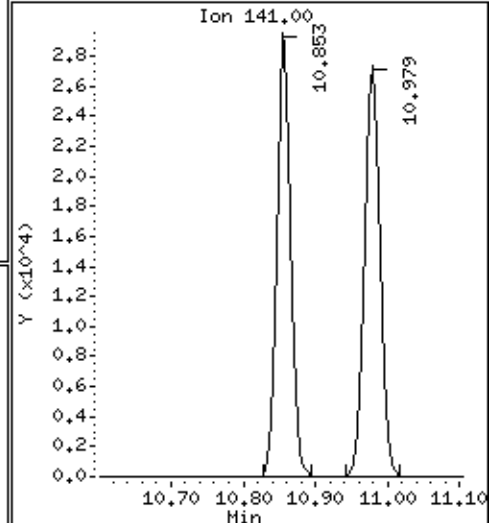
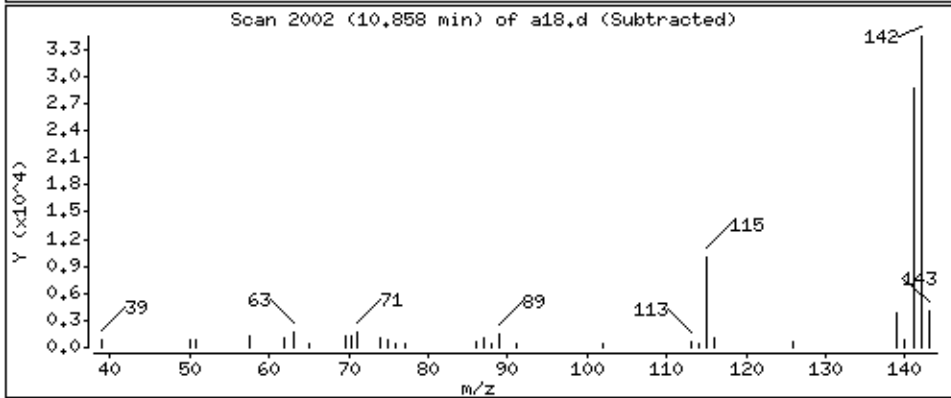
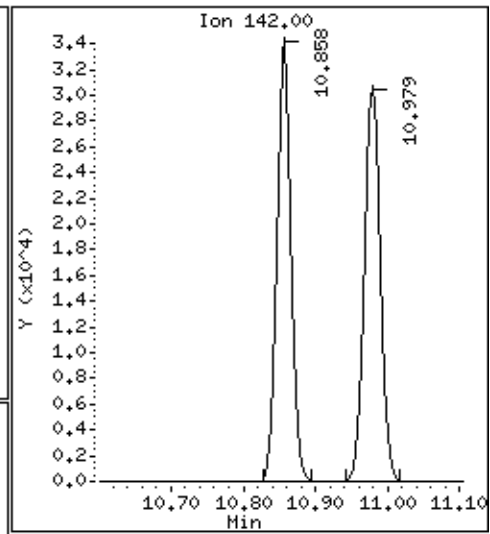
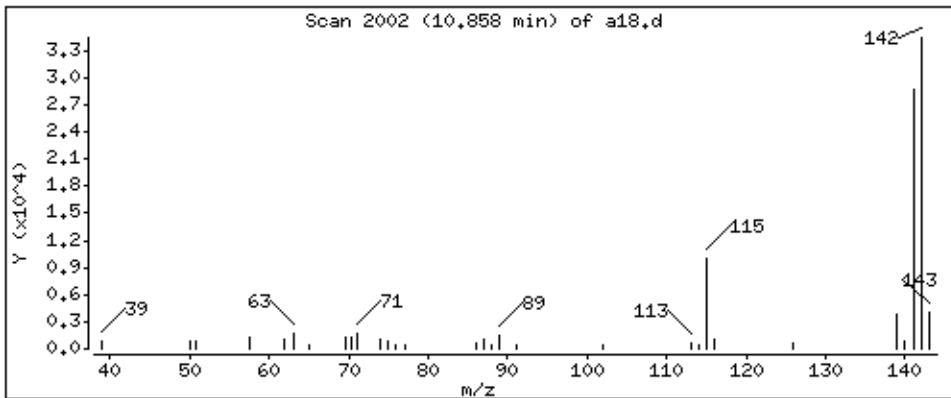
Column phase: DB-624

Column diameter: 0,18

94 2,methyl-naphthalene

Concentration: 39,8 ppb

Review Code:



Date : 02-JUL-2014 19:16

Client ID: THW-5(12-14)HSD

Instrument: 50mv3a.i

Sample Info: 1122049,71089;5

Operator: jlz

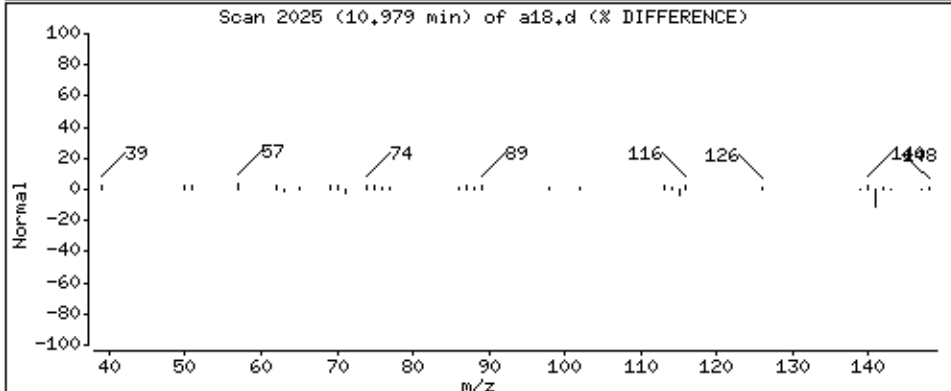
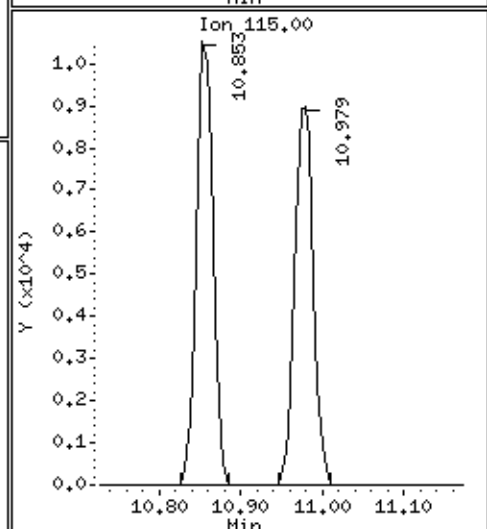
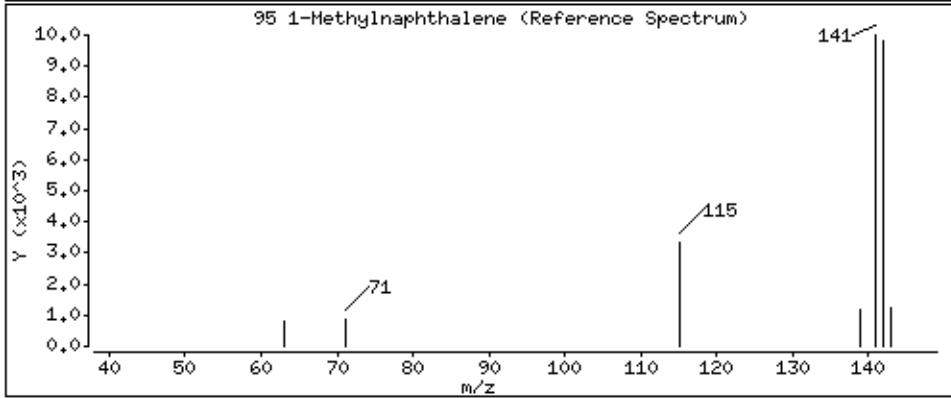
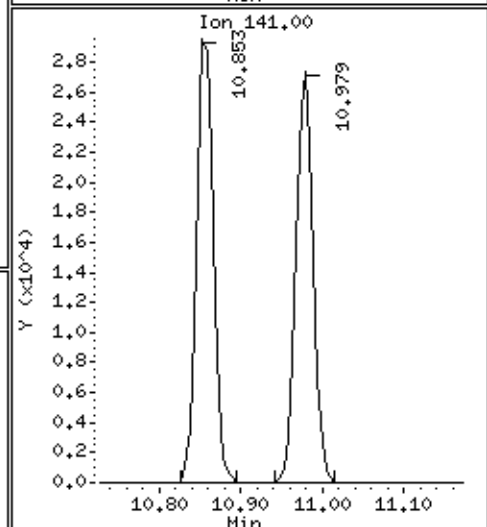
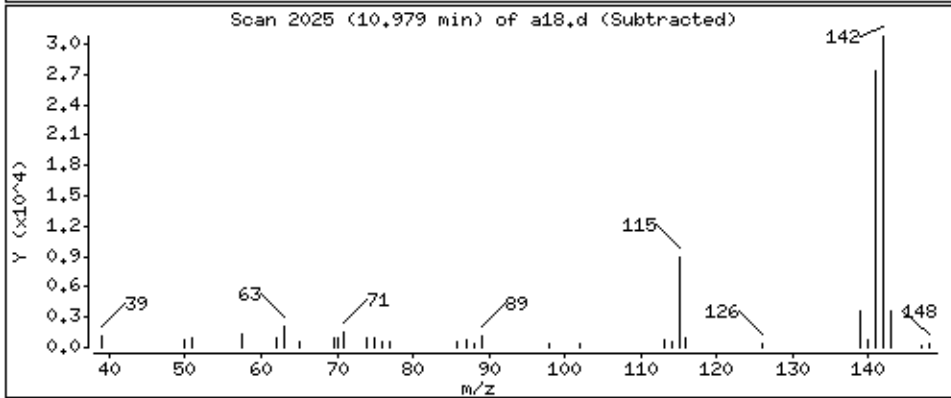
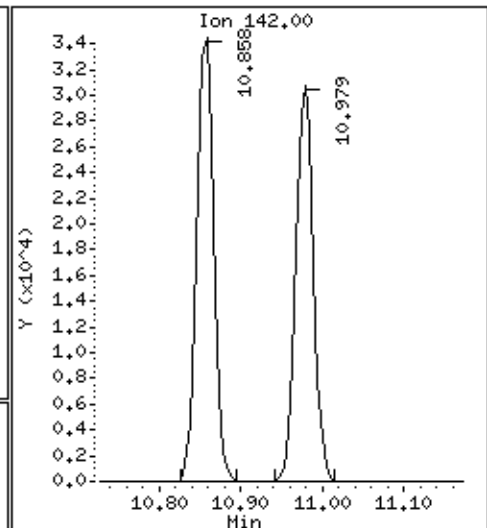
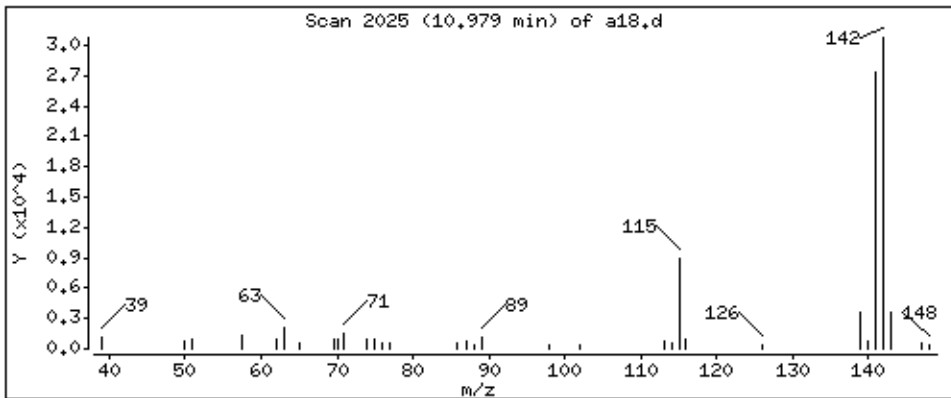
Column phase: DB-624

Column diameter: 0,18

95 1-Methylnaphthalene

Concentration: 43,1 ppb

Review Code:



Data File: \\192.168.50.6\chem\50mv3a.i\a070214.b/a18.d
Injection Date: 02-JUL-2014 19:16
Instrument: 50mv3a.i
Lab Sample ID: 1122049
NO SIGNAL MANUAL INTEGRATIONS DONE FOR THIS DATA FILE

MSV - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

MS

Lab Name: Pace Analytical - Indiana
Date Received: 06/21/2014 10:54
Date Extracted: 07/03/2014 08:15
Date Analyzed: 07/03/2014 08:15
Initial wt/vol: 3.822 g Final wt/vol: 5 mL Dilution: 1

Contract: Sibley-Accucast/2339-356-03-00
Matrix: Solid SDG No.: 5099688
Lab Sample ID: 1122066
Lab File ID: A070214.B\C20.D
Instrument: 50MV3A Percent Moisture: 12.9%

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
67-64-1	Acetone	558	
107-02-8	Acrolein	1630	
107-13-1	Acrylonitrile	1070	
71-43-2	Benzene	57.3	
108-86-1	Bromobenzene	20.6	
74-97-5	Bromochloromethane	52.2	
75-27-4	Bromodichloromethane	51.3	
75-25-2	Bromoform	36.9	
74-83-9	Bromomethane	53.0	
78-93-3	2-Butanone (MEK)	329	
104-51-8	n-Butylbenzene	30.5	
135-98-8	sec-Butylbenzene	44.9	
98-06-6	tert-Butylbenzene	41.8	
75-15-0	Carbon disulfide	104	
56-23-5	Carbon tetrachloride	65.7	
108-90-7	Chlorobenzene	29.1	
75-00-3	Chloroethane	84.9	
67-66-3	Chloroform	58.4	
74-87-3	Chloromethane	78.7	
95-49-8	2-Chlorotoluene	30.4	
106-43-4	4-Chlorotoluene	22.7	
124-48-1	Dibromochloromethane	37.6	
106-93-4	1,2-Dibromoethane (EDB)	34.7	
74-95-3	Dibromomethane	41.4	
95-50-1	1,2-Dichlorobenzene	17.4	
541-73-1	1,3-Dichlorobenzene	16.9	
106-46-7	1,4-Dichlorobenzene	14.1	
110-57-6	trans-1,4-Dichloro-2-butene	79.8	J
75-71-8	Dichlorodifluoromethane	62.9	
75-34-3	1,1-Dichloroethane	62.5	
107-06-2	1,2-Dichloroethane	47.2	
75-35-4	1,1-Dichloroethene	66.7	
156-59-2	cis-1,2-Dichloroethene	44.1	
156-60-5	trans-1,2-Dichloroethene	46.0	
78-87-5	1,2-Dichloropropane	58.1	
142-28-9	1,3-Dichloropropane	39.5	
594-20-7	2,2-Dichloropropane	68.7	

07/21/2014 10:54

MSV - FORM I VOA-2
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

MS

Lab Name: Pace Analytical - Indiana
Date Received: 06/21/2014 10:54
Date Extracted: 07/03/2014 08:15
Date Analyzed: 07/03/2014 08:15
Initial wt/vol: 3.822 g Final wt/vol: 5 mL Dilution: 1

Contract: Sibley-Accucast/2339-356-03-00
Matrix: Solid SDG No.: 5099688
Lab Sample ID: 1122066
Lab File ID: A070214.B\C20.D
Instrument: 50MV3A Percent Moisture: 12.9%

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
563-58-6	1,1-Dichloropropene	55.0	
10061-01-5	cis-1,3-Dichloropropene	31.9	
10061-02-6	trans-1,3-Dichloropropene	27.6	
100-41-4	Ethylbenzene	44.3	
97-63-2	Ethyl methacrylate	91.6	J
87-68-3	Hexachloro-1,3-butadiene	35.4	
110-54-3	n-Hexane	54.5	
591-78-6	2-Hexanone	219	
74-88-4	Iodomethane	92.4	J
98-82-8	Isopropylbenzene (Cumene)	50.7	
99-87-6	p-Isopropyltoluene	40.0	
75-09-2	Methylene Chloride	39.7	
108-10-1	4-Methyl-2-pentanone (MIBK)	272	
1634-04-4	Methyl-tert-butyl ether	129	
91-20-3	Naphthalene	6.2	J
103-65-1	n-Propylbenzene	39.2	
100-42-5	Styrene	22.0	
630-20-6	1,1,1,2-Tetrachloroethane	54.1	
79-34-5	1,1,2,2-Tetrachloroethane	39.2	
127-18-4	Tetrachloroethene	56.0	
108-88-3	Toluene	43.1	
87-61-6	1,2,3-Trichlorobenzene	9.0	
120-82-1	1,2,4-Trichlorobenzene	8.5	
71-55-6	1,1,1-Trichloroethane	71.0	
79-00-5	1,1,2-Trichloroethane	44.7	
79-01-6	Trichloroethene	50.9	
75-69-4	Trichlorofluoromethane	78.4	
96-18-4	1,2,3-Trichloropropane	40.8	
95-63-6	1,2,4-Trimethylbenzene	33.2	
108-67-8	1,3,5-Trimethylbenzene	40.0	
108-05-4	Vinyl acetate	81.8	J
75-01-4	Vinyl chloride	79.4	
1330-20-7	Xylene (Total)	123	

07/21/2014 10:54

Pace Analytical Services, Inc.

Data file : \\192.168.50.6\chem\50mv3a.i\a070214.b\c20.d
 Lab Smp Id: 1122066 Client Smp ID: TMW-6(2-4)MS
 Inj Date : 03-JUL-2014 08:15
 Operator : jlz Inst ID: 50mv3a.i
 Smp Info : 1122066,71089:5
 Misc Info : 66414
 Comment :
 Method : \\192.168.50.6\chem\50mv3a.i\a070214.b\ -a8260_a_c.m
 Meth Date : 03-Jul-2014 11:07 50mv3a.i Quant Type: ISTD
 Cal Date : 19-JUN-2014 18:33 Cal File: a08cal.d
 Als bottle: 4 QC Sample: MS
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: most.sub
 Target Version: 4.14

Concentration Formula: Amt * DF * Uf/(Ws*(100-M)/100)) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Ws	5.000	Weight of sample extracted (g)
M	12.856	% Moisture (not decanted)
Va	0.00000	Volume of aliquot extract added (uL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG		CONCENTRATIONS					REVIEW C
	MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ug/L)	FINAL (ppb)	
1 Dichlorodifluoromethane	85	1.028	1.026	(0.231)	30367	41.9205	48.1	
2 Chloromethane	50	1.122	1.126	(0.252)	32306	52.4311	60.2	
3 Vinyl Chloride	62	1.138	1.136	(0.256)	32160	52.8610	60.6	
4 Bromomethane	94	1.289	1.293	(0.290)	8856	35.3210	40.5	
5 Chloroethane	64	1.342	1.345	(0.302)	19701	56.5503	64.9	
6 Trichlorofluoromethane	101	1.467	1.466	(0.330)	50385	52.2214	59.9	
9 Acrolein	56	1.676	1.675	(0.377)	38541	1084.63	1240	
11 1,1-Dichloroethene	96	1.739	1.738	(0.391)	22656	44.4362	51.0	
12 Acetone	43	1.750	1.748	(0.393)	30344	371.414	426	
13 Iodomethane	142	1.838	1.837	(0.413)	18118	61.5246	70.6	
14 Carbon Disulfide	76	1.886	1.889	(0.424)	102755	69.1107	79.3	
15 Methyl Acetate	43	1.927	1.931	(0.433)	37105	176.367	202 (R)	
17 Methylene Chloride	84	2.032	2.031	(0.457)	19549	26.4434	30.3 (R)	
18 tert-Butyl Alcohol	59	2.074	2.083	(0.466)	2349	115.577	133 (Q)	
19 Acrylonitrile	53	2.173	2.177	(0.489)	72505	714.092	819	
20 Methyl-tert-butyl ether	73	2.205	2.203	(0.496)	101610	86.0306	98.7	
21 1,2-Dichloroethene (trans)	96	2.215	2.219	(0.498)	18073	30.6634	35.2 (R)	
22 n-Hexane	57	2.414	2.418	(0.543)	36833	36.3103	41.7	
24 1,1-Dichloroethane	63	2.545	2.548	(0.572)	41942	41.6176	47.8	
23 Vinyl Acetate	43	2.414	2.538	(0.543)	25327	54.4816	62.5 (R)	
25 2-Butanone	43	3.047	3.045	(0.685)	29251	219.331	252	

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS		REVIEW C
						ON-COLUMN (ug/L)	FINAL (ppb)	
26 1,2-Dichloroethene (cis)	96	3.062	3.061 (0.688)		17594	29.3909	33.7 (R)	
27 2,2-Dichloropropane	77	3.068	3.066 (0.690)		33698	45.7898	52.5	
29 Bromochloromethane	49	3.313	3.312 (0.745)		10567	34.7873	39.9	
31 Chloroform	83	3.428	3.432 (0.771)		38115	38.9046	44.6 (R)	
\$ 32 Dibromofluoromethane (S)	113	3.617	3.626 (0.813)		21620	49.7302	57.1	
33 1,1,1-Trichloroethane	97	3.622	3.626 (0.814)		41075	47.2829	54.2	
34 Cyclohexane	56	3.711	3.715 (0.834)		50087	49.4215	56.7	
35 Carbon Tetrachloride	117	3.821	3.819 (0.859)		31666	43.7349	50.2	
36 1,1-Dichloropropene	75	3.826	3.830 (0.860)		31872	36.6677	42.1 (R)	
37 Benzene	78	4.072	4.070 (0.915)		82698	38.1588	43.8	
38 1,2-Dichloroethane	62	4.150	4.149 (0.933)		19467	31.4377	36.1 (R)	
40 2,2,4-Trimethylpentane	57	4.234	4.238 (0.952)		90153	36.5164	41.9	
* 41 Fluorobenzene (IS)	96	4.448	4.452 (1.000)		93514	50.0000		
42 Trichloroethene	95	4.888	4.886 (1.099)		20053	33.8777	38.9 (R)	
43 Methylcyclohexane	55	5.144	5.148 (1.156)		38348	44.6179	51.2	
44 1,2-Dichloropropane	63	5.181	5.184 (1.165)		19256	38.6811	44.4	
45 Dibromomethane	93	5.280	5.278 (1.187)		6028	27.5684	31.6 (R)	
46 1,4-Dioxane	88	5.290	5.289 (1.189)		3430	1033.22	1180	
47 Methyl methacrylate	69	5.290	5.289 (1.189)		14925	60.7598	69.7	
48 Bromodichloromethane	83	5.494	5.498 (1.235)		21569	34.2054	39.2	
49 2-Chloroethyl vinyl ether	63	5.839	5.838 (0.776)		2202	15.3634	17.6 (RM)	NI
50 cis-1,3-Dichloropropene	75	5.986	5.985 (0.796)		16162	21.2785	24.4 (R)	
51 4-Methyl-2-Pentanone	43	6.153	6.152 (0.818)		61425	180.963	208	
\$ 52 Toluene-d8 (S)	98	6.258	6.256 (0.832)		92253	46.4353	53.3	
53 Toluene	91	6.331	6.330 (0.842)		81632	28.7194	33.0 (R)	
54 trans-1,3-Dichloropropene	75	6.593	6.591 (0.876)		8967	18.3884	21.1 (R)	
55 Ethyl Methacrylate	69	6.666	6.664 (0.886)		34420	60.9959	70.0 (R)	
56 1,1,2-Trichloroethane	83	6.765	6.769 (0.899)		9471	29.7565	34.1 (R)	
57 Tetrachloroethene	166	6.823	6.821 (0.907)		30305	37.2756	42.8	
58 1,3-Dichloropropane	76	6.901	6.905 (0.917)		18923	26.3260	30.2 (R)	
59 2-Hexanone	43	6.964	6.963 (0.926)		33929	146.211	168	
60 Dibromochloromethane	129	7.079	7.083 (0.941)		11194	25.0592	28.8 (R)	
61 1,2-Dibromoethane	107	7.163	7.161 (0.952)		7839	23.1038	26.5 (R)	
* 62 Chlorobenzene-D5 (IS)	117	7.524	7.522 (1.000)		74806	50.0000		
63 Chlorobenzene	112	7.545	7.543 (1.003)		34681	19.4146	22.3 (R)	
64 1,1,1,2-Tetrachloroethane	131	7.618	7.616 (1.013)		19168	36.0434	41.4	
65 Ethylbenzene	106	7.623	7.622 (1.013)		31446	29.5359	33.9 (R)	
66 m&p-Xylene	106	7.717	7.716 (1.026)		70903	54.6506	62.7 (R)	
67 o-Xylene	106	7.979	7.977 (1.060)		32996	27.2046	31.2 (R)	
68 Styrene	104	7.994	7.993 (1.063)		29314	14.6416	16.8 (R)	
69 Bromoform	173	8.115	8.113 (0.901)		5921	24.5810	28.2	
70 Isopropylbenzene	105	8.219	8.218 (1.092)		114895	33.7773	38.8 (R)	
\$ 71 4-Bromofluorobenzene (S)	95	8.329	8.328 (1.107)		34224	49.0632	56.3	
72 Bromobenzene	77	8.413	8.411 (1.118)		15835	13.6990	15.7 (R)	
73 1,1,2,2-Tetrachloroethane	83	8.418	8.417 (0.935)		12414	26.1418	30.0 (R)	
74 trans-1,4-Dichloro-2-butene	53	8.439	8.437 (1.122)		5940	53.1374	61.0 (QR)	
75 1,2,3-Trichloropropane	110	8.449	8.448 (0.938)		4203	27.1893	31.2 (QR)	
76 n-Propylbenzene	91	8.475	8.474 (0.941)		109025	26.1426	30.0 (R)	
77 2-Chlorotoluene	91	8.528	8.526 (0.947)		47253	20.2369	23.2 (R)	
78 1,3,5-Trimethylbenzene	105	8.585	8.584 (0.954)		81765	26.6370	30.6 (R)	
79 4-Chlorotoluene	126	8.601	8.600 (0.955)		12272	15.1310	17.4 (QR)	
80 tert-Butylbenzene	119	8.768	8.767 (0.974)		91926	27.8462	32.0	
81 1,2,4-Trimethylbenzene	105	8.800	8.798 (0.977)		67788	22.1372	25.4 (R)	
82 sec-Butylbenzene	105	8.894	8.892 (0.988)		122311	29.8813	34.3 (R)	

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS		REVIEW C
						ON-COLUMN (ug/L)	FINAL (ppb)	
83 1,3-Dichlorobenzene	146	8.962	8.960	(0.995)	18818	11.2554	12.9 (R)	
84 p-Isopropyltoluene	119	8.978	8.976	(0.997)	94792	26.6172	30.5 (R)	
* 85 1,4-Dichlorobenzene-d4 (IS)	152	9.004	9.008	(1.000)	42260	50.0000		
86 1,4-Dichlorobenzene	146	9.019	9.018	(1.002)	15700	9.41428	10.8 (R)	
87 n-Butylbenzene	91	9.197	9.196	(1.021)	65066	20.2968	23.3 (R)	
88 1,2-Dichlorobenzene	146	9.213	9.211	(1.023)	17111	11.5888	13.3 (R)	
89 1,2-Dibromo-3-chloropropane	155	9.621	9.619	(1.069)	1346	13.0632	15.0 (R)	
90 1,2,4-Trichlorobenzene	180	10.045	10.043	(1.116)	6024	5.66227	6.50 (R)	
91 Hexachlorobutadiene	225	10.107	10.111	(1.123)	15870	23.5646	27.0 (R)	
92 Naphthalene	128	10.191	10.190	(1.132)	7526	4.09746	4.70 (R)	
93 1,2,3-Trichlorobenzene	180	10.311	10.310	(1.145)	5739	6.01023	6.90 (R)	
94 2,methyl-naphthalene	142	10.855	10.854	(1.206)	2448	2.12479	2.44 (RM)	NI
95 1-Methylnaphthalene	142	10.975	10.979	(1.219)	2748	2.78750	3.20 (RM)	NI

QC Flag Legend

- Q - Qualifier signal failed the ratio test.
- R - Spike/Surrogate failed recovery limits.
- M - Compound response manually integrated.

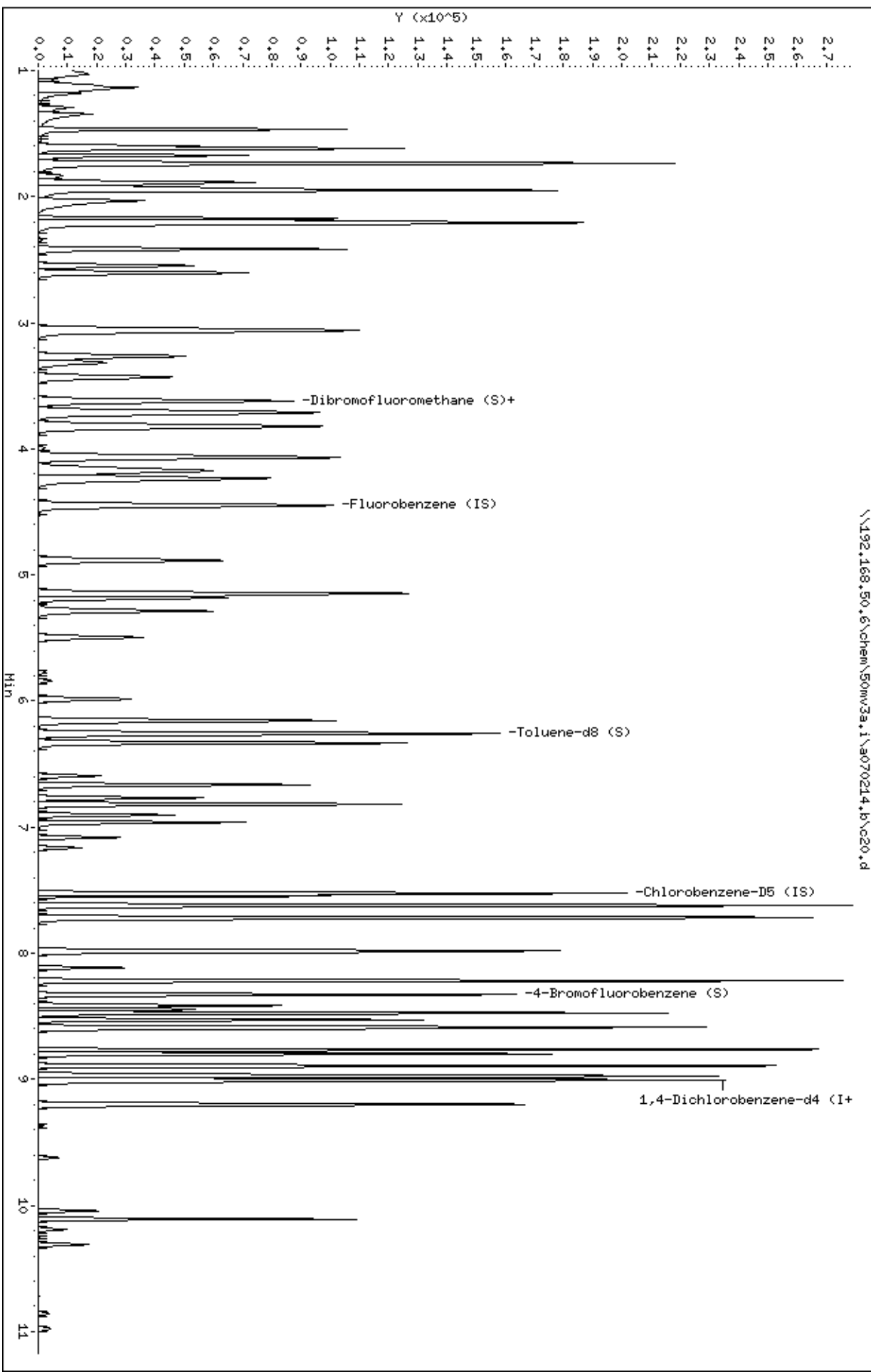
Review Codes Legend

:
 NI: Indicates that the peak was not integrated at all by the computer software.

Data File: \\192.168.50.6\chem\50mw3a.1\9070214.b\c20.d
Date: 03-JUL-2014 08:15
Client ID: TMM-6(2-4)MS
Sample Info: 1122066,71089:5
Column phase: DB-624

Instrument: 50mw3a.1
Operator: JIZ
Column diameter: 0.18

\\192.168.50.6\chem\50mw3a.1\9070214.b\c20.d



Date : 03-JUL-2014 08:15

Client ID: THW-6(2-4)MS

Instrument: 50mv3a.i

Sample Info: 1122066,71089;5

Operator: jlz

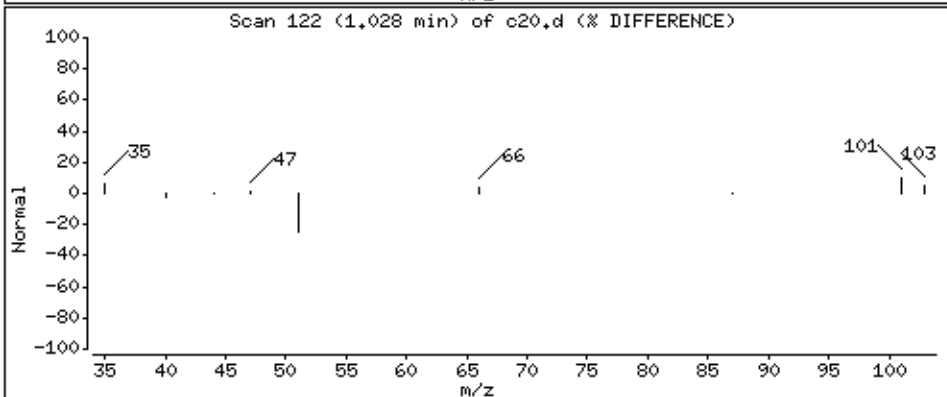
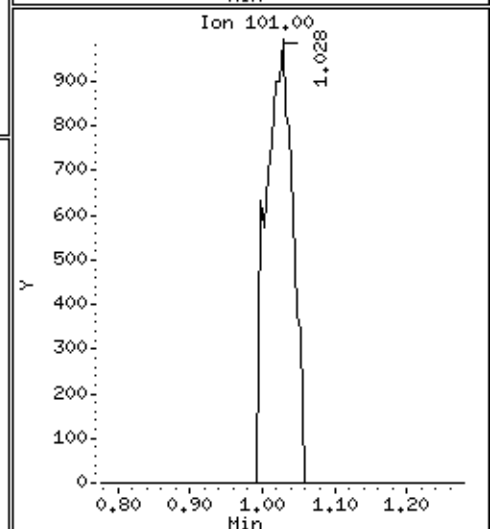
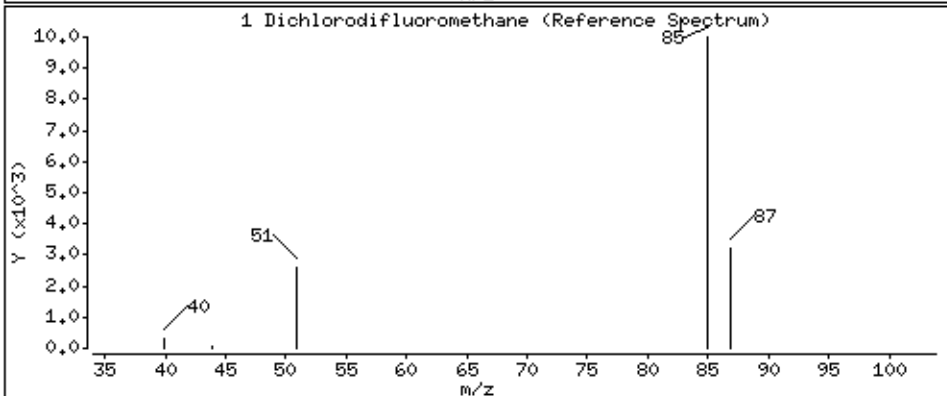
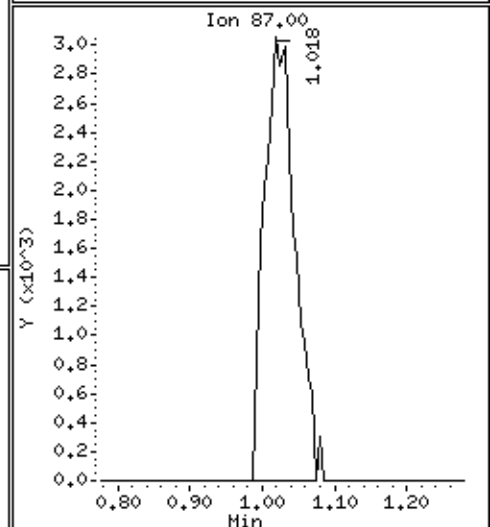
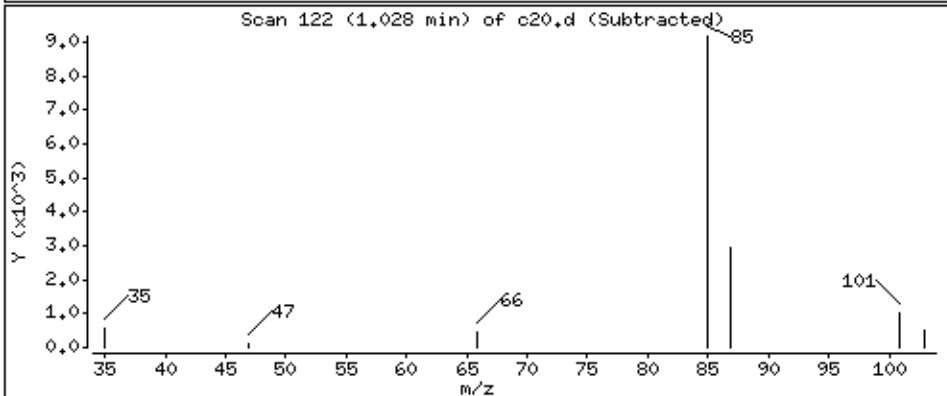
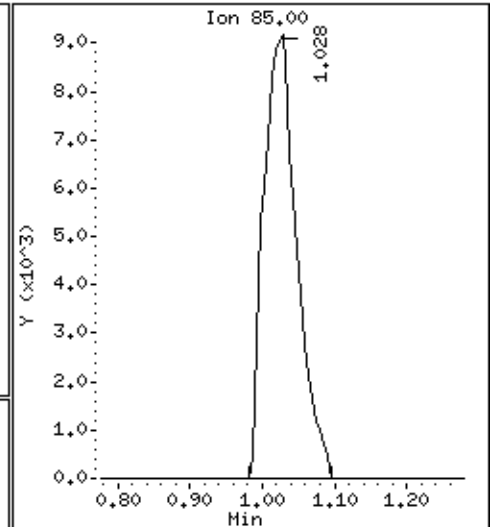
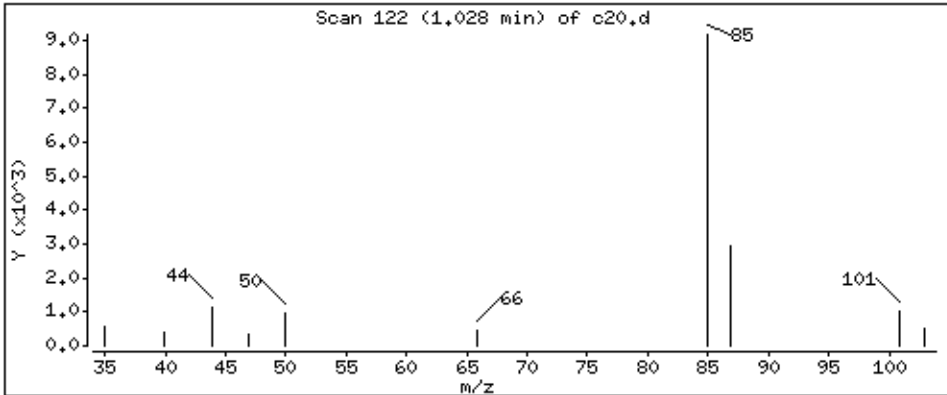
Column phase: DB-624

Column diameter: 0,18

1 Dichlorodifluoromethane

Concentration: 48,1 ppb

Review Code:



Date : 03-JUL-2014 08:15

Client ID: THW-6(2-4)MS

Instrument: 50mw3a.i

Sample Info: 1122066,71089;5

Operator: jlz

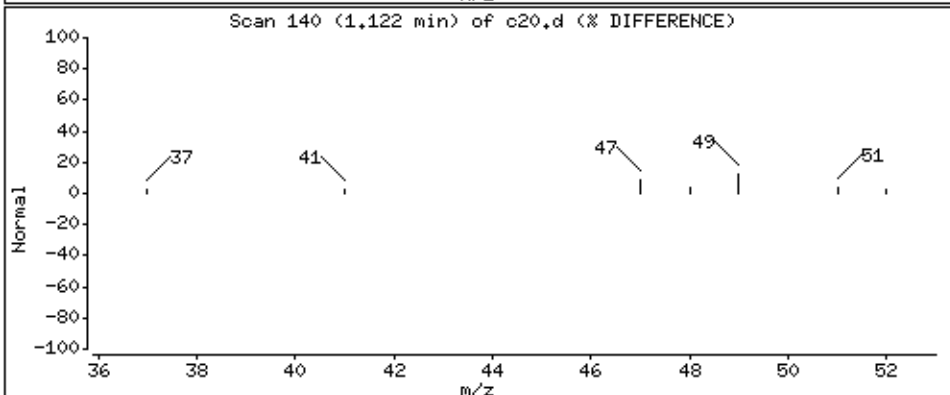
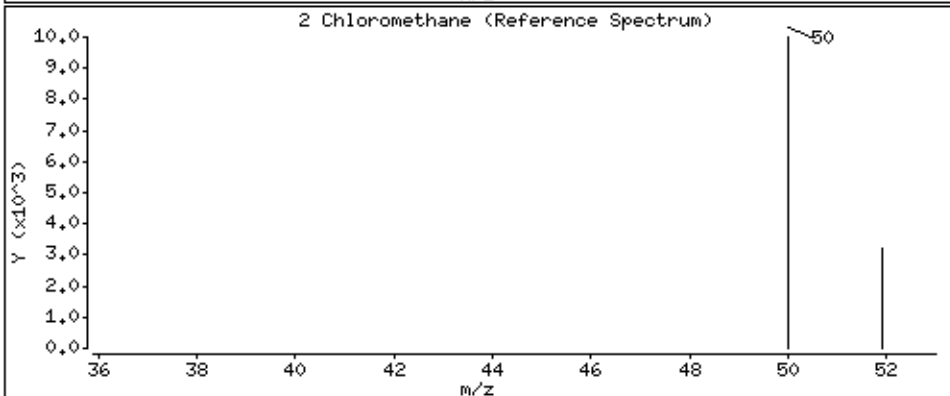
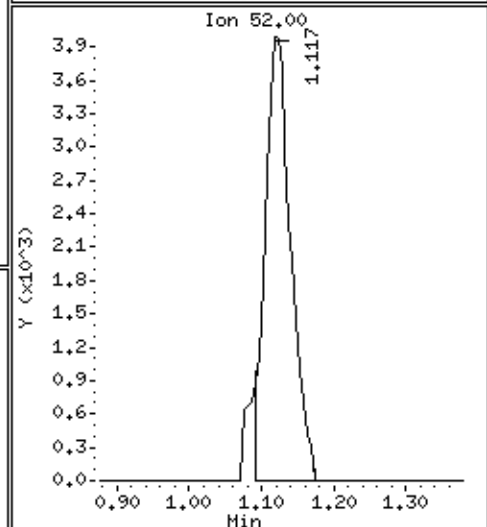
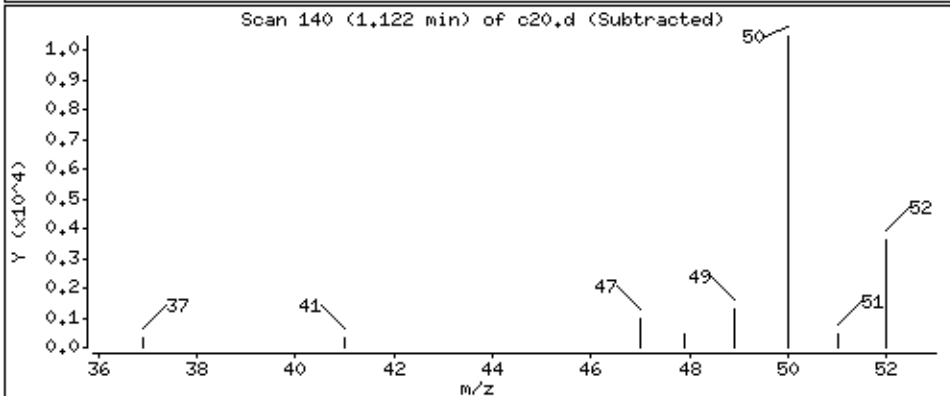
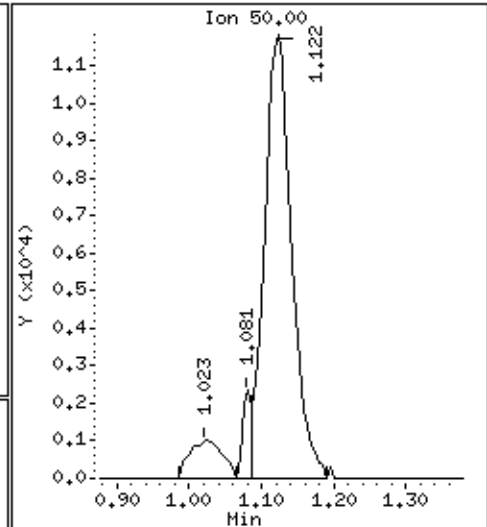
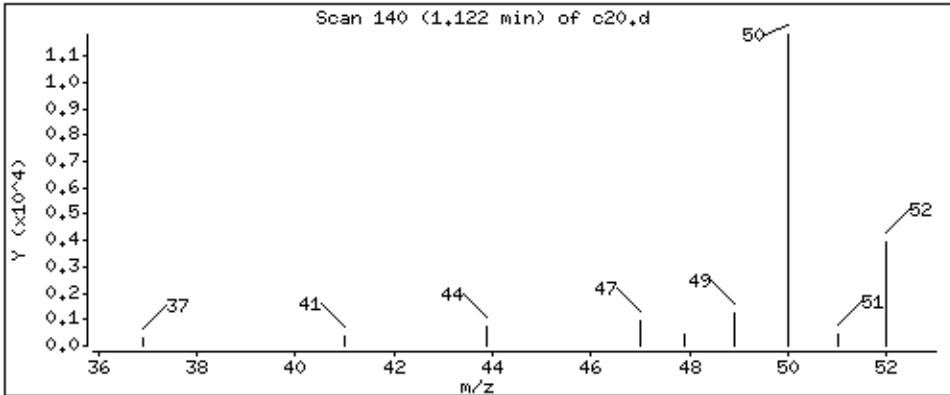
Column phase: DB-624

Column diameter: 0,18

2 Chloromethane

Concentration: 60,2 ppb

Review Code:



Date : 03-JUL-2014 08:15

Client ID: THW-6(2-4)MS

Instrument: 50mv3a.i

Sample Info: 1122066,71089;5

Operator: jlz

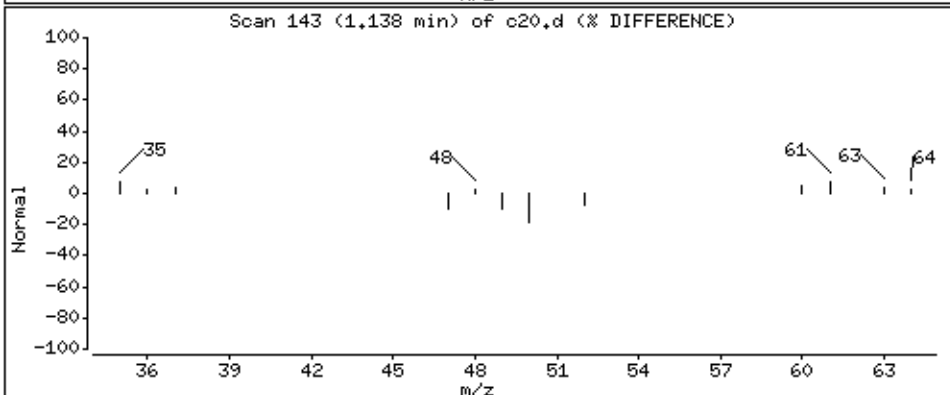
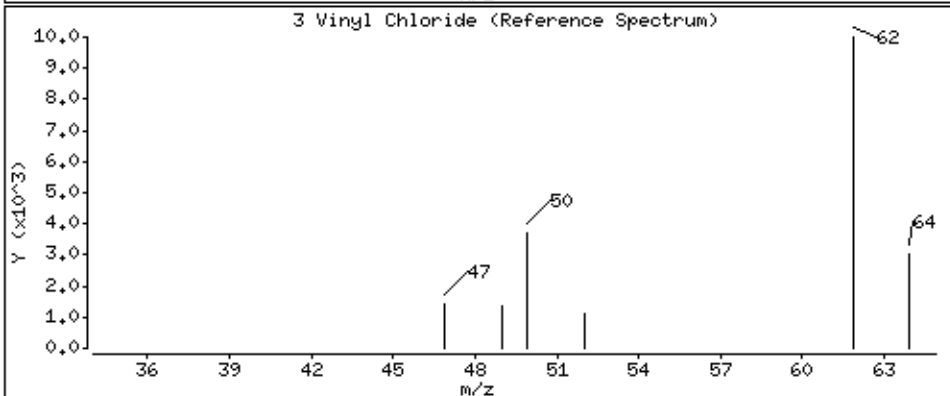
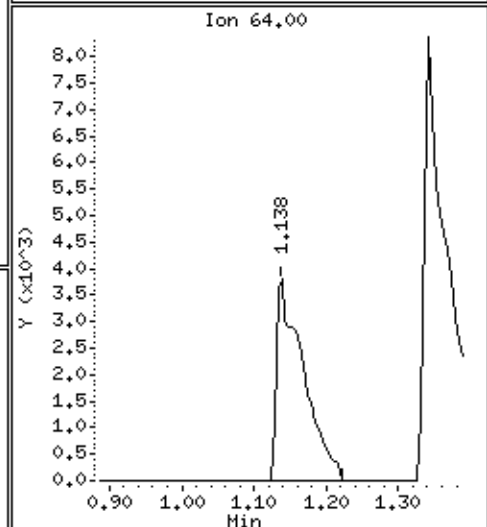
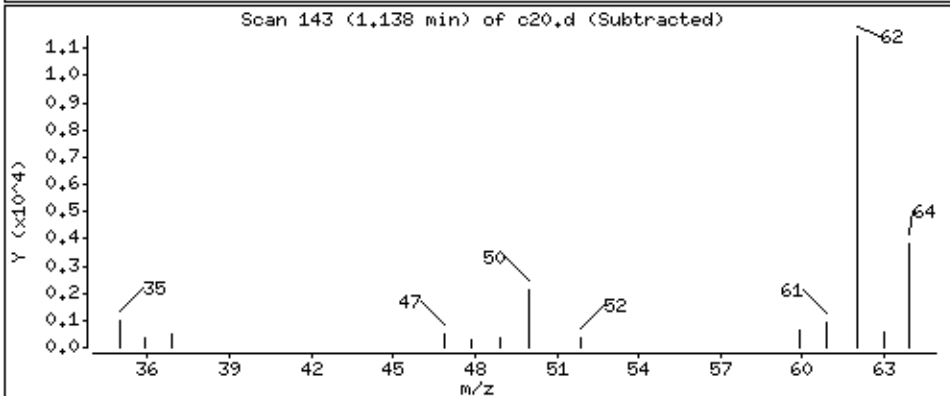
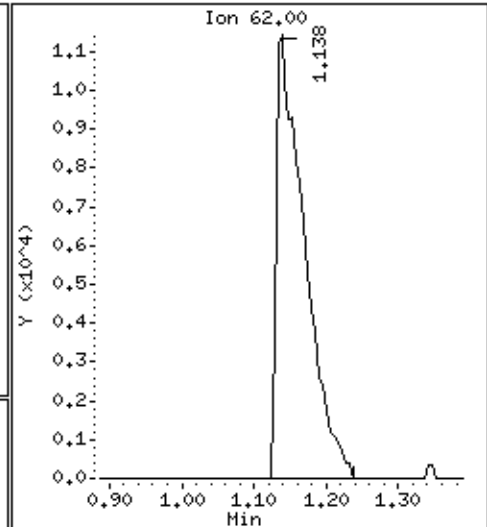
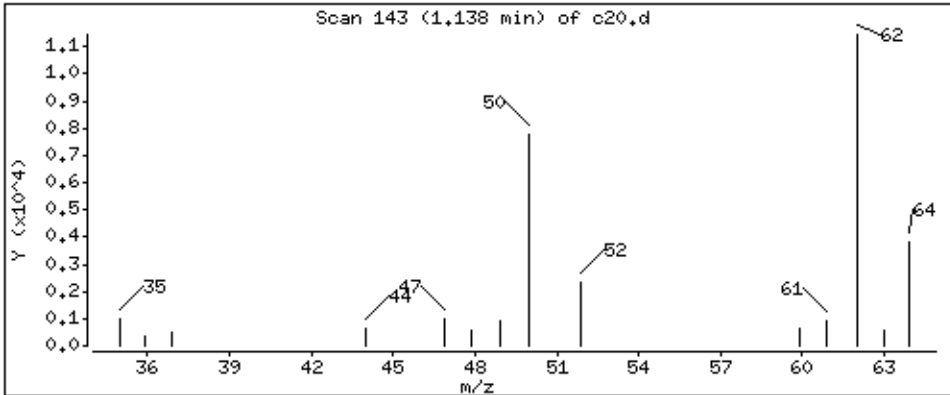
Column phase: DB-624

Column diameter: 0,18

3 Vinyl Chloride

Concentration: 60,6 ppb

Review Code:



Date : 03-JUL-2014 08:15

Client ID: THW-6(2-4)MS

Instrument: 50mv3a.i

Sample Info: 1122066,71089;5

Operator: jlz

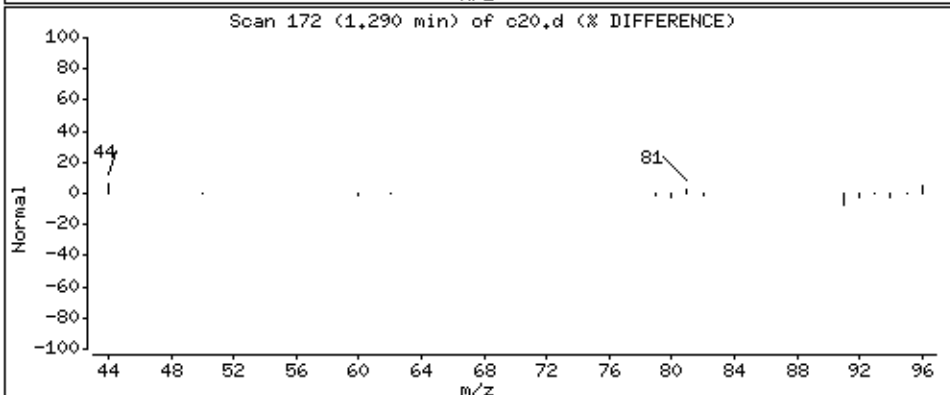
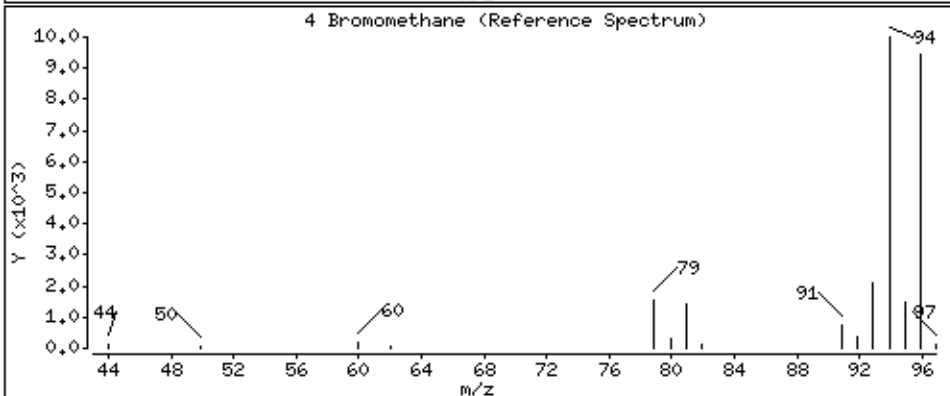
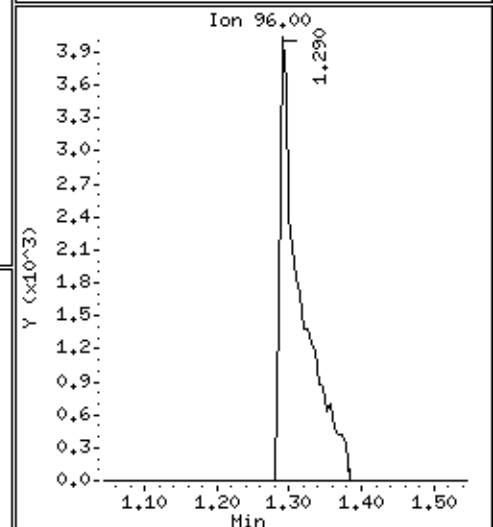
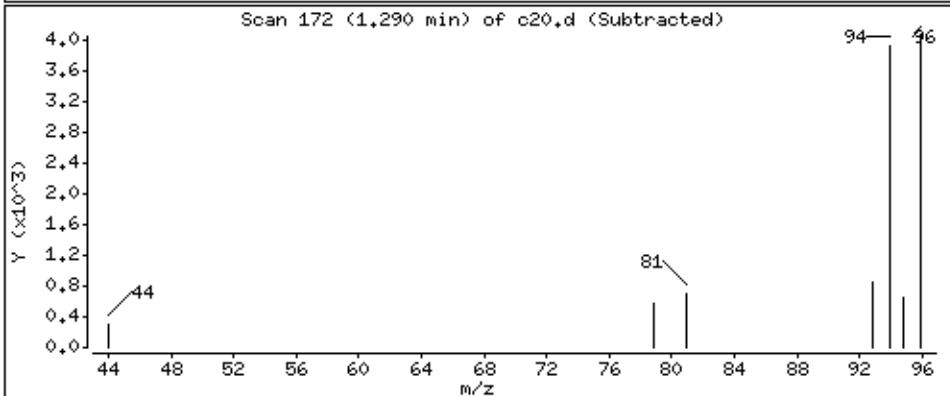
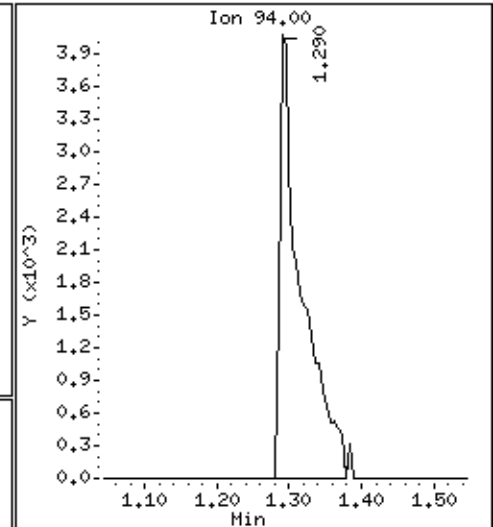
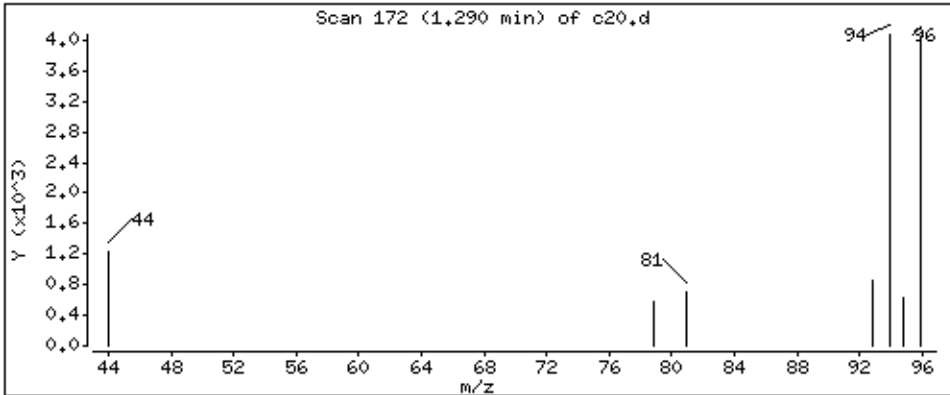
Column phase: DB-624

Column diameter: 0,18

4 Bromomethane

Concentration: 40,5 ppb

Review Code:



Date : 03-JUL-2014 08:15

Client ID: THW-6(2-4)MS

Instrument: 50mv3a.i

Sample Info: 1122066,71089;5

Operator: jlz

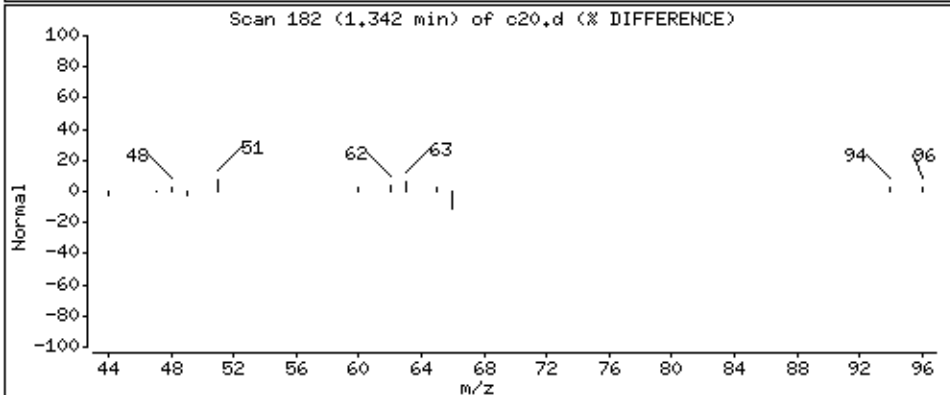
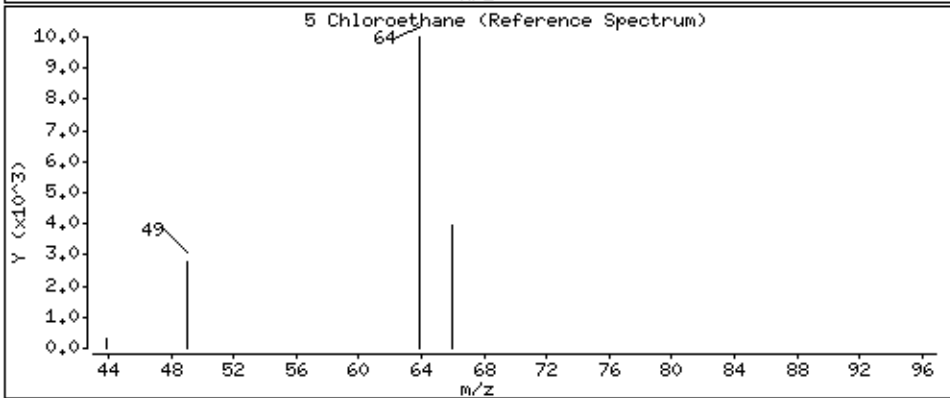
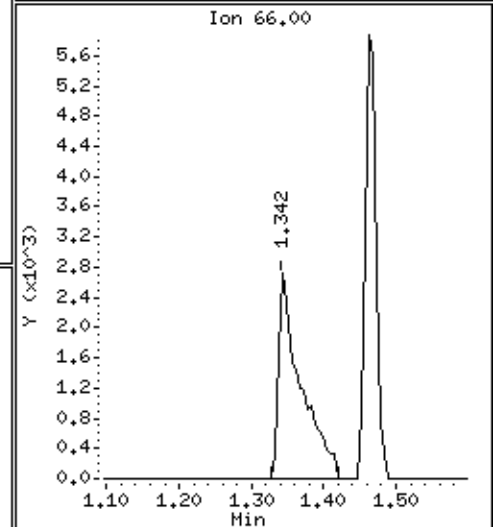
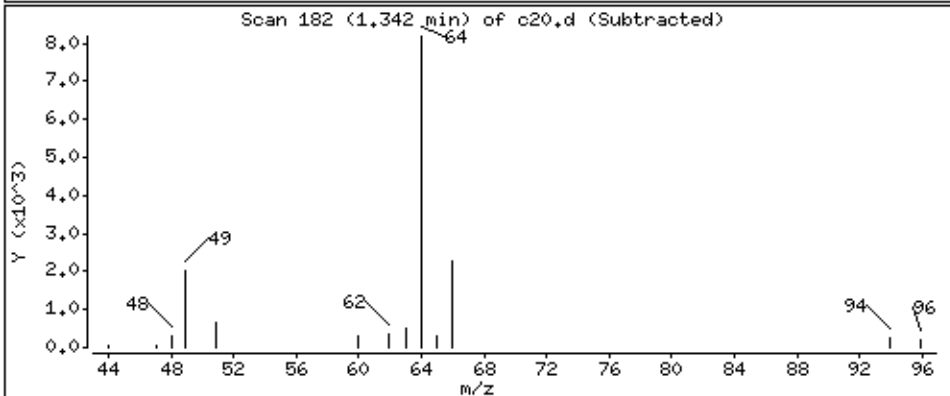
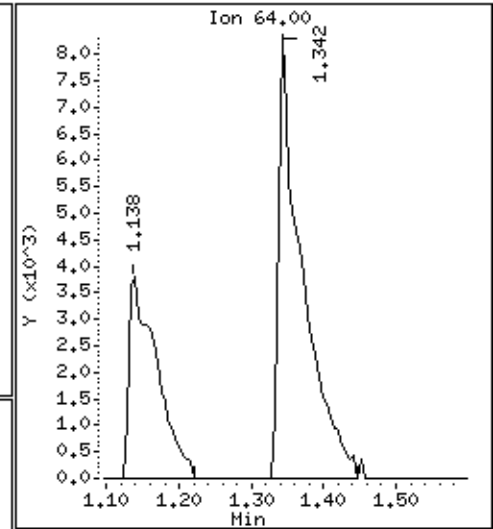
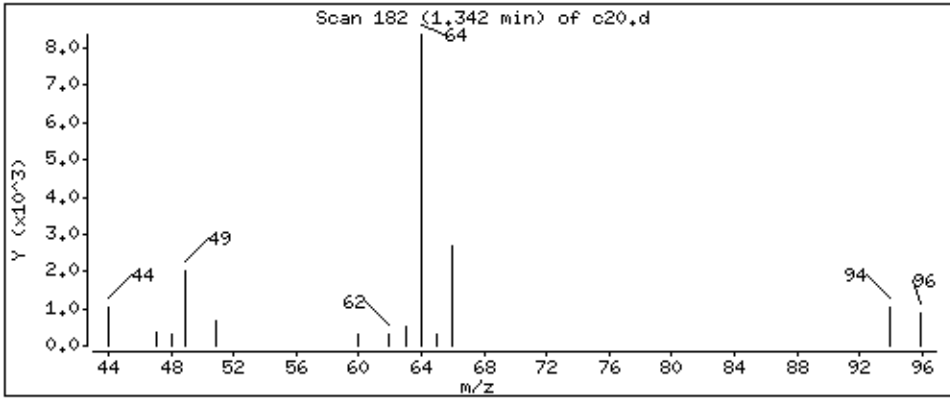
Column phase: DB-624

Column diameter: 0,18

5 Chloroethane

Concentration: 64,9 ppb

Review Code:



Date : 03-JUL-2014 08:15

Client ID: THW-6(2-4)MS

Instrument: 50mv3a.i

Sample Info: 1122066,71089;5

Operator: jlz

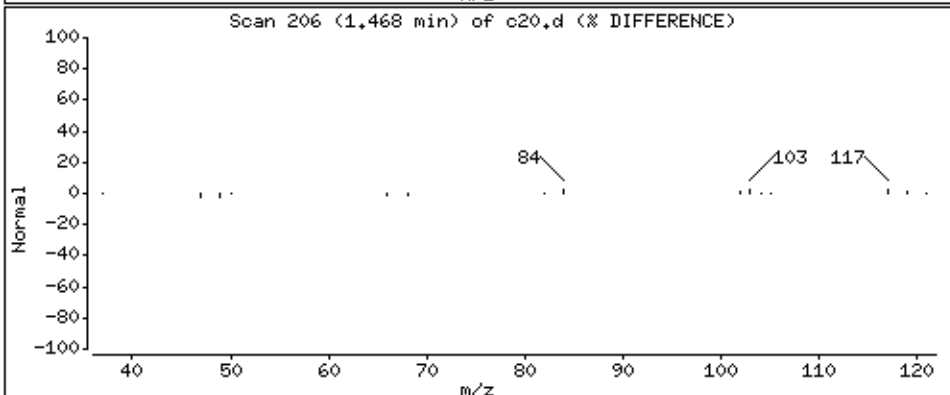
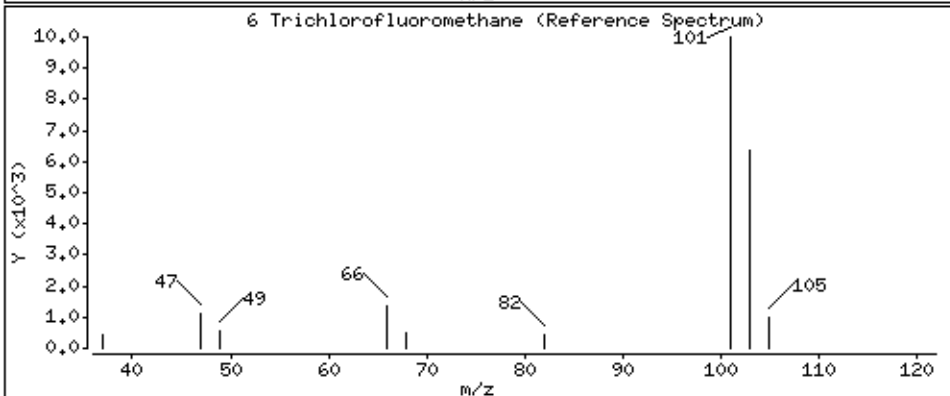
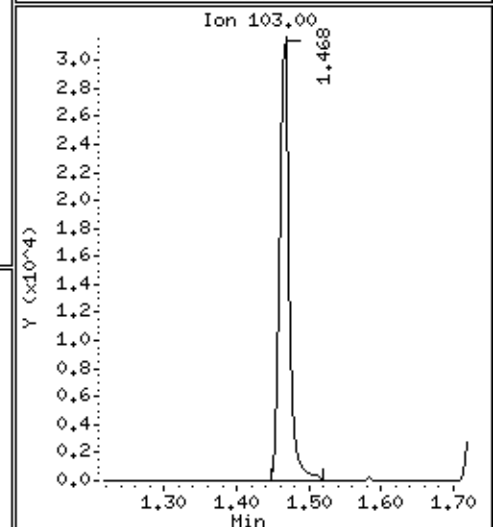
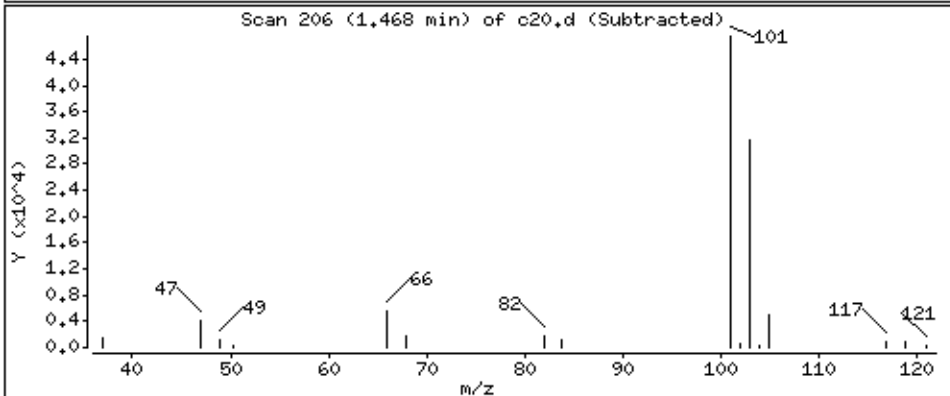
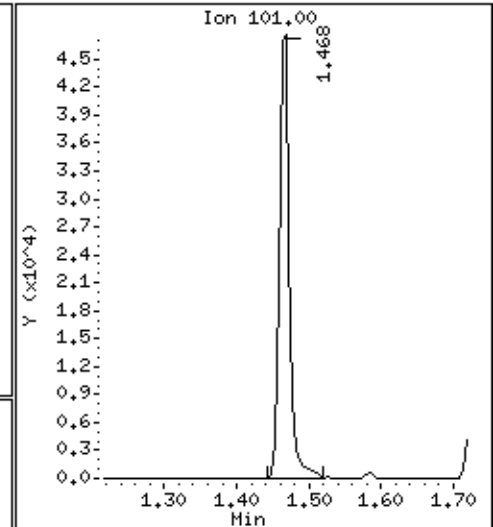
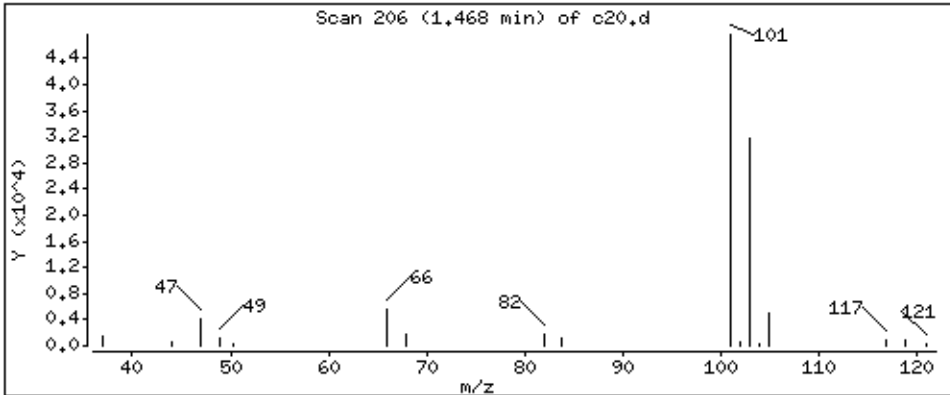
Column phase: DB-624

Column diameter: 0,18

6 Trichlorofluoromethane

Concentration: 59,9 ppb

Review Code:



Date : 03-JUL-2014 08:15

Client ID: THW-6(2-4)MS

Instrument: 50mv3a.i

Sample Info: 1122066,71089;5

Operator: jlz

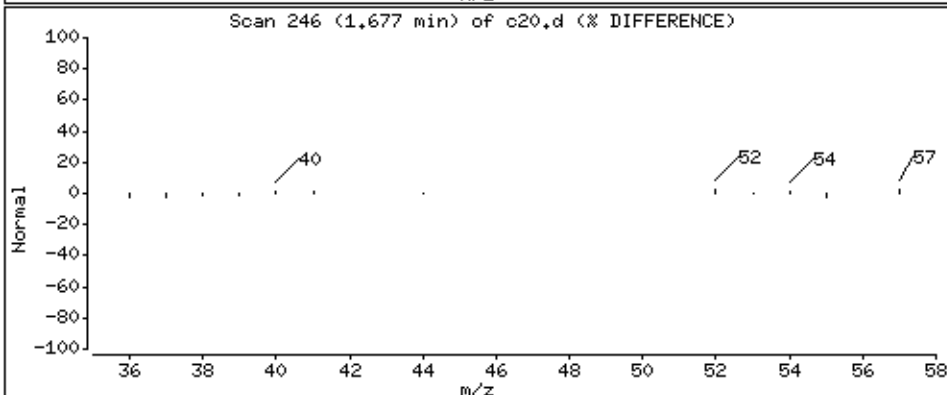
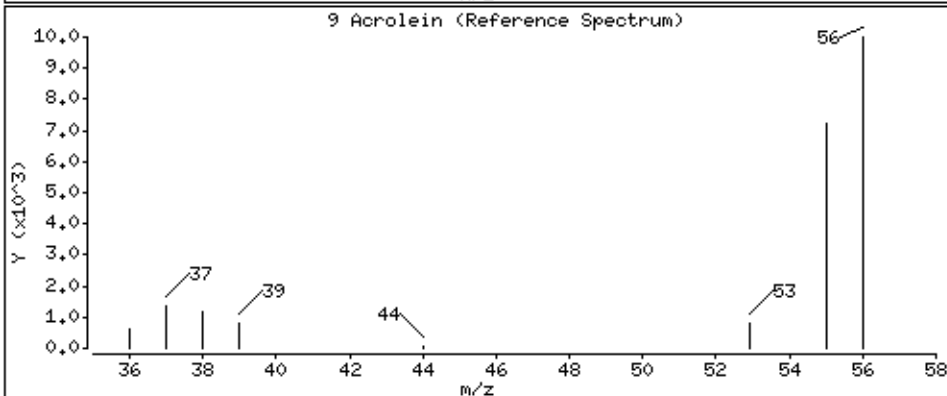
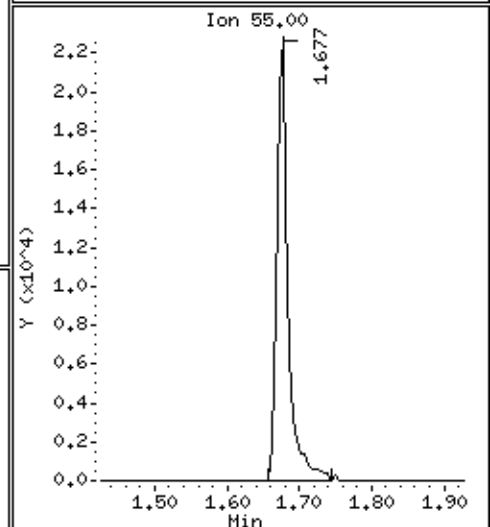
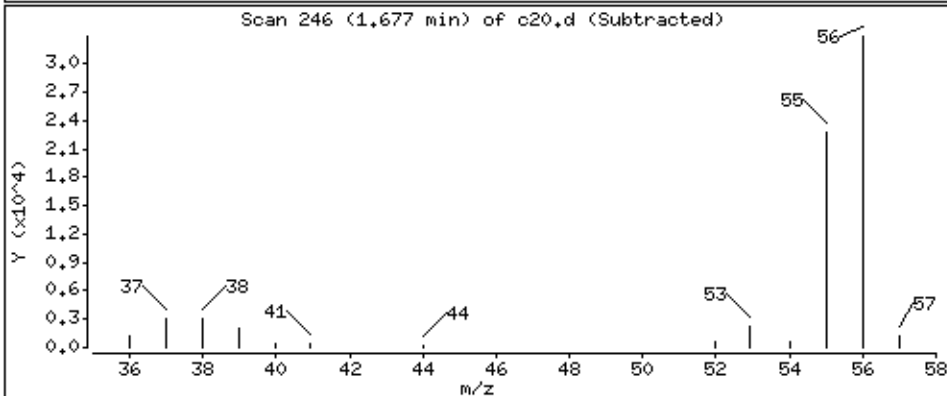
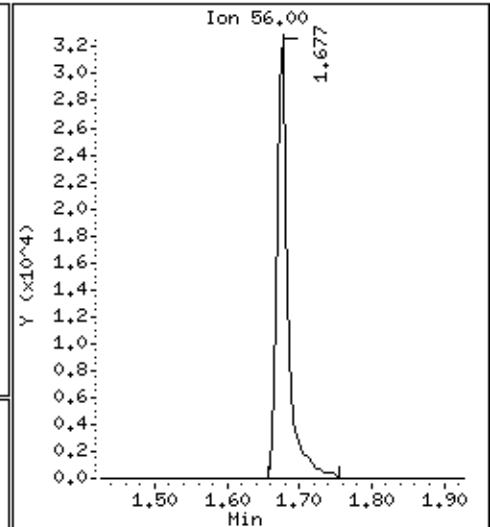
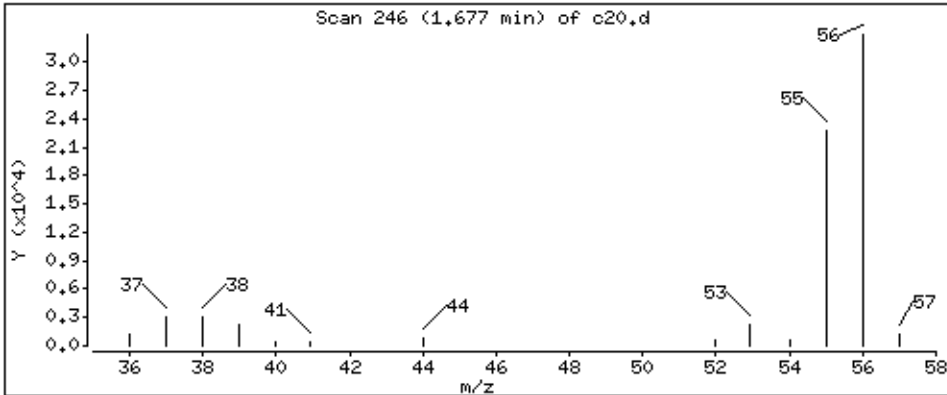
Column phase: DB-624

Column diameter: 0,18

9 Acrolein

Concentration: 1240 ppb

Review Code:



Date : 03-JUL-2014 08:15

Client ID: THW-6(2-4)MS

Instrument: 50mw3a.i

Sample Info: 1122066,71089;5

Operator: jlz

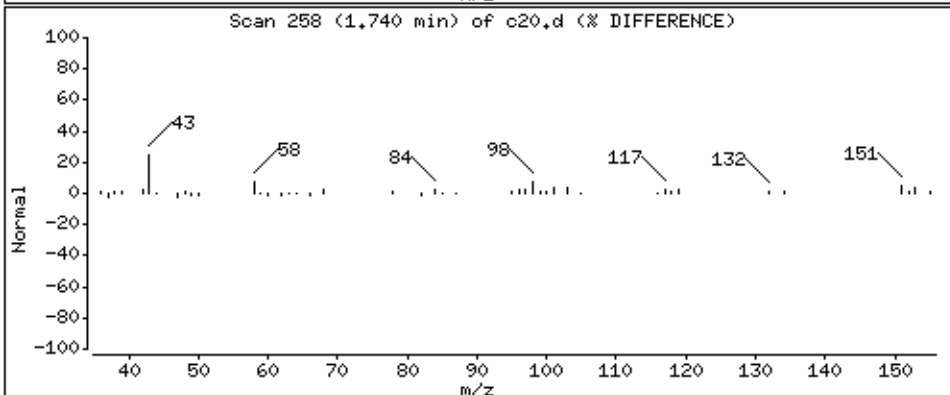
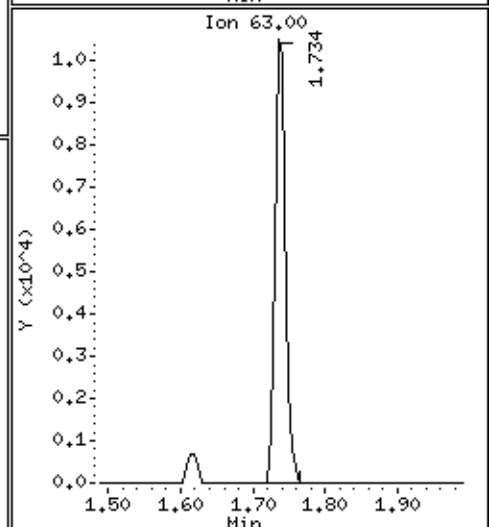
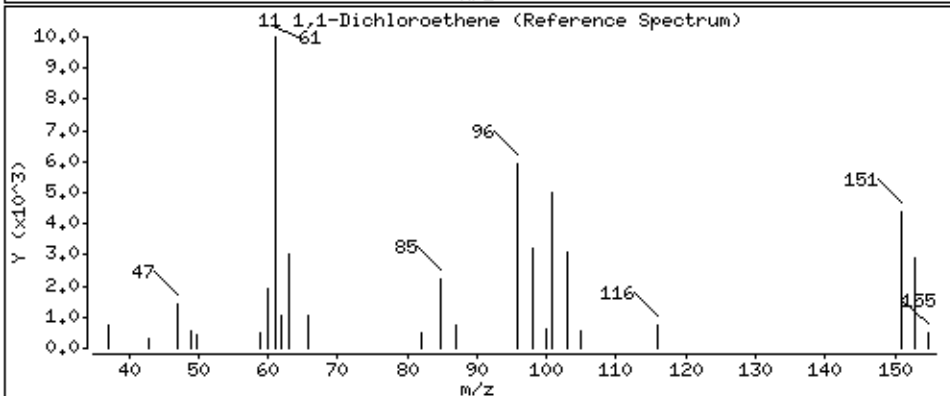
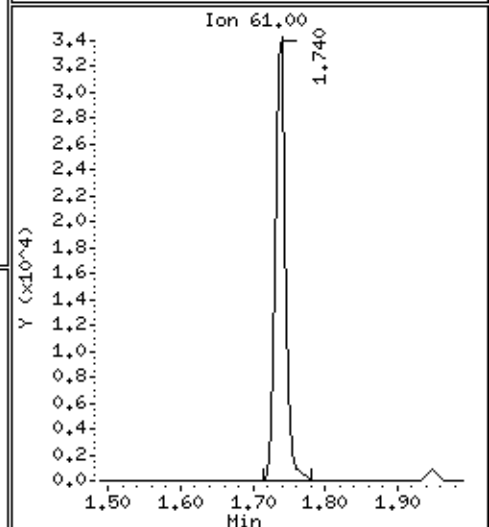
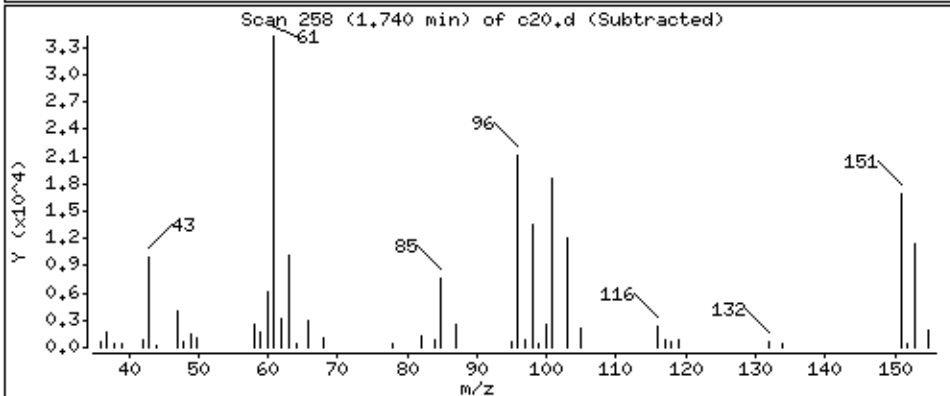
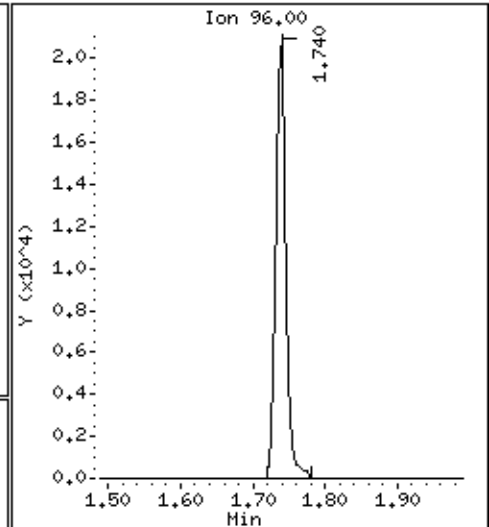
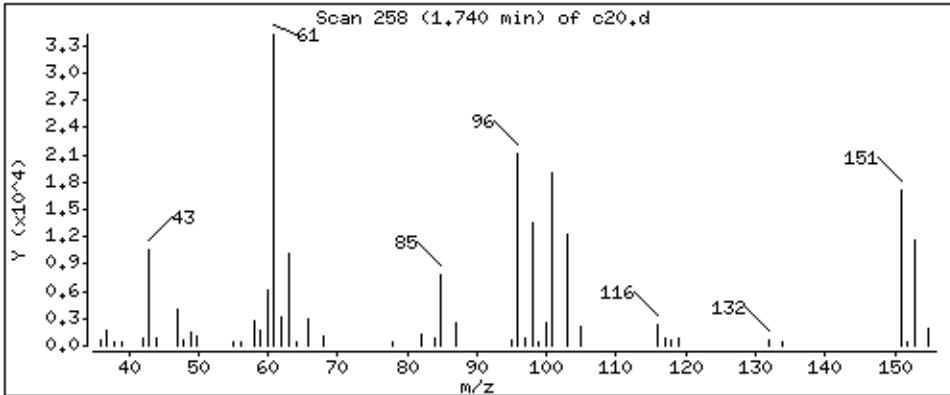
Column phase: DB-624

Column diameter: 0,18

11 1,1-Dichloroethene

Concentration: 51,0 ppb

Review Code:



Date : 03-JUL-2014 08:15

Client ID: THW-6(2-4)MS

Instrument: 50mv3a.i

Sample Info: 1122066,71089;5

Operator: jlz

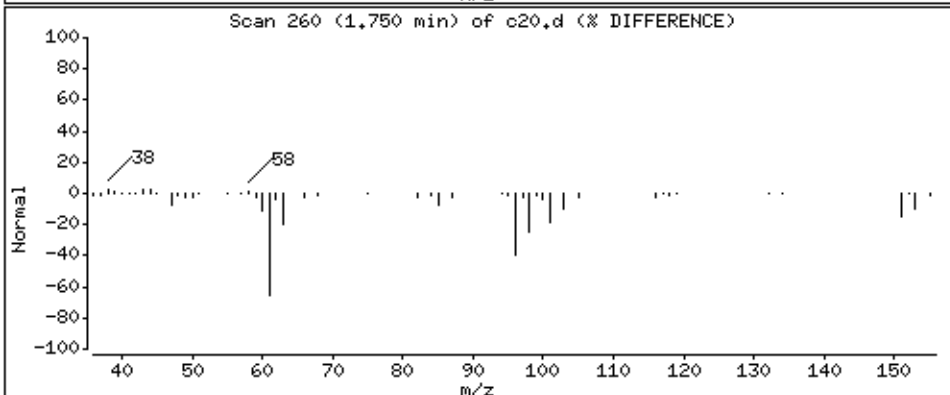
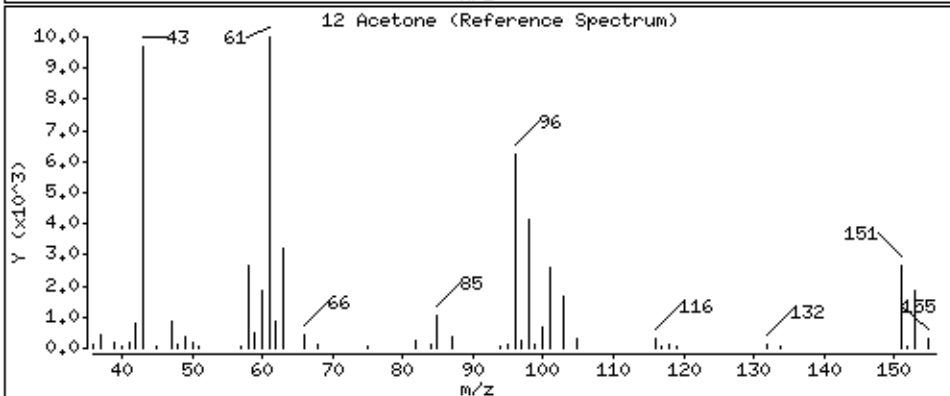
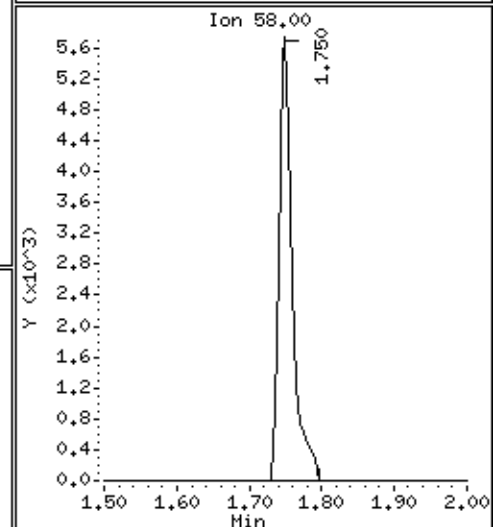
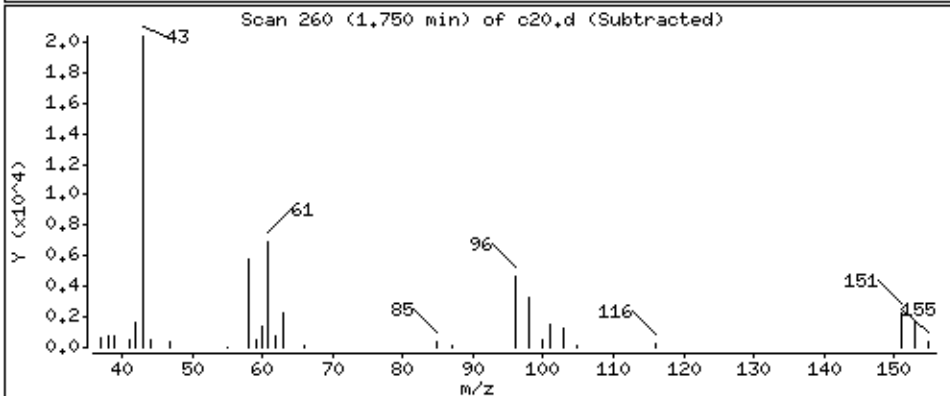
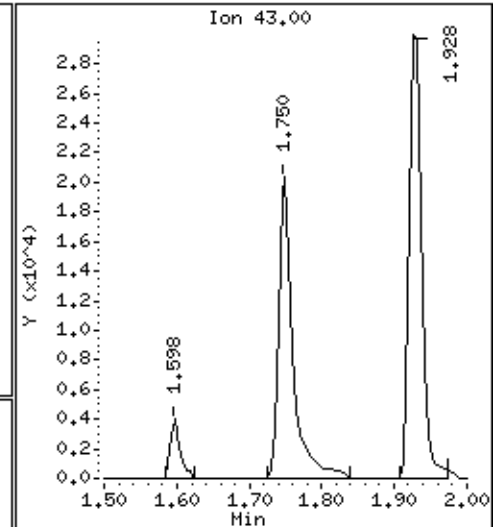
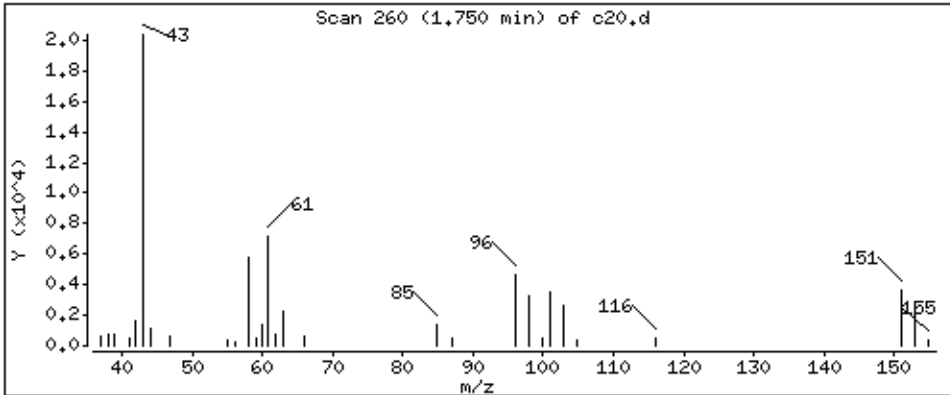
Column phase: DB-624

Column diameter: 0,18

12 Acetone

Concentration: 426 ppb

Review Code:



Date : 03-JUL-2014 08:15

Client ID: THW-6(2-4)MS

Instrument: 50mw3a.i

Sample Info: 1122066,71089;5

Operator: jlz

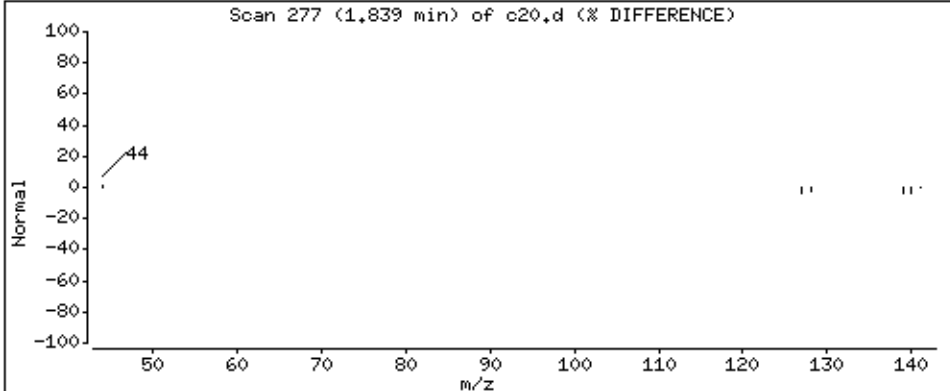
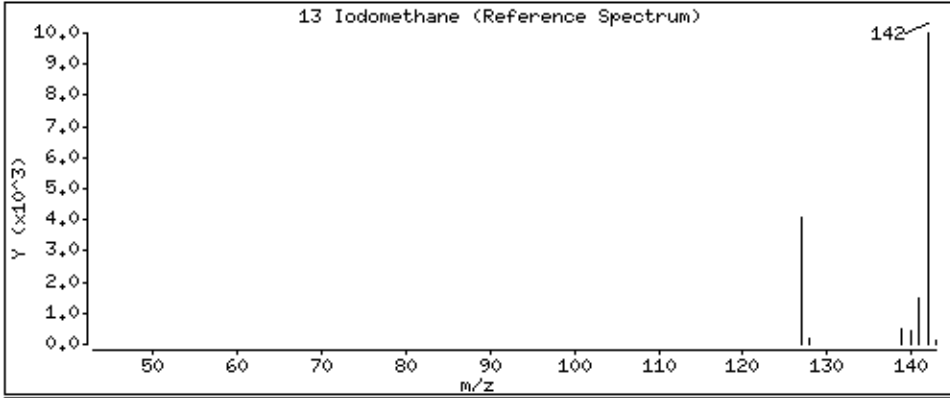
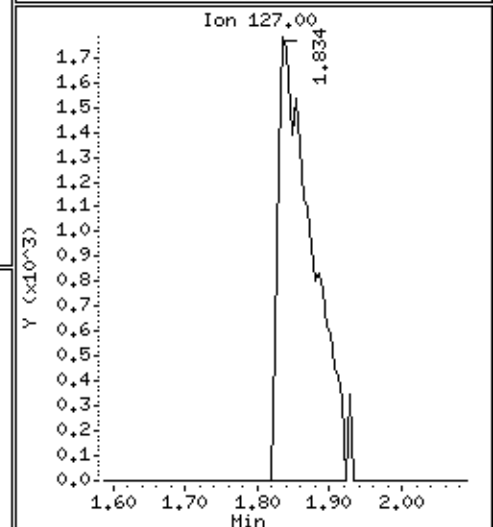
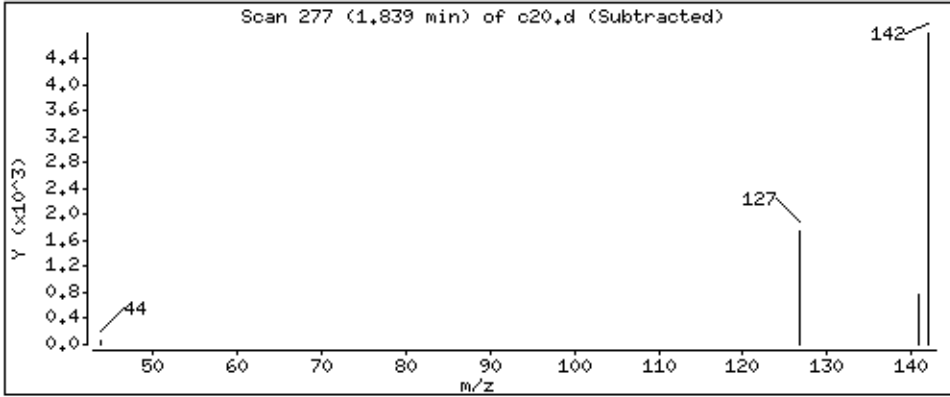
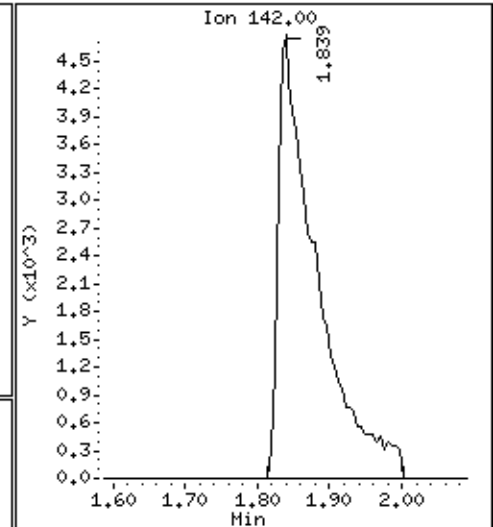
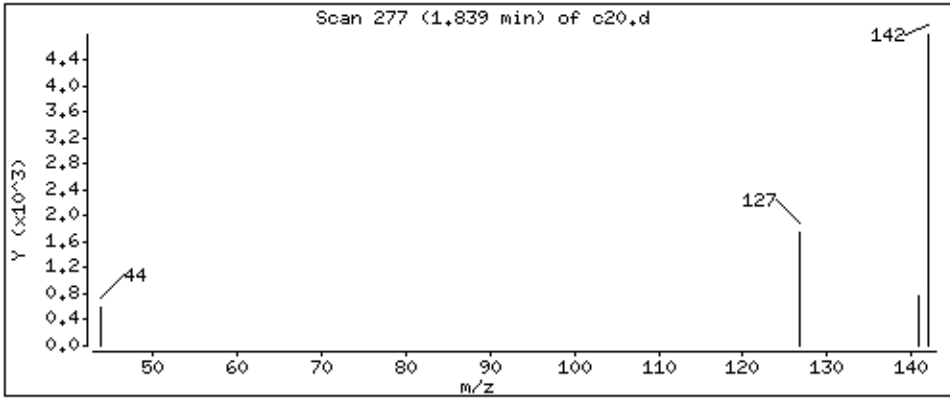
Column phase: DB-624

Column diameter: 0,18

13 Iodomethane

Concentration: 70,6 ppb

Review Code:



Date : 03-JUL-2014 08:15

Client ID: THW-6(2-4)MS

Instrument: 50mv3a.i

Sample Info: 1122066,71089;5

Operator: jlz

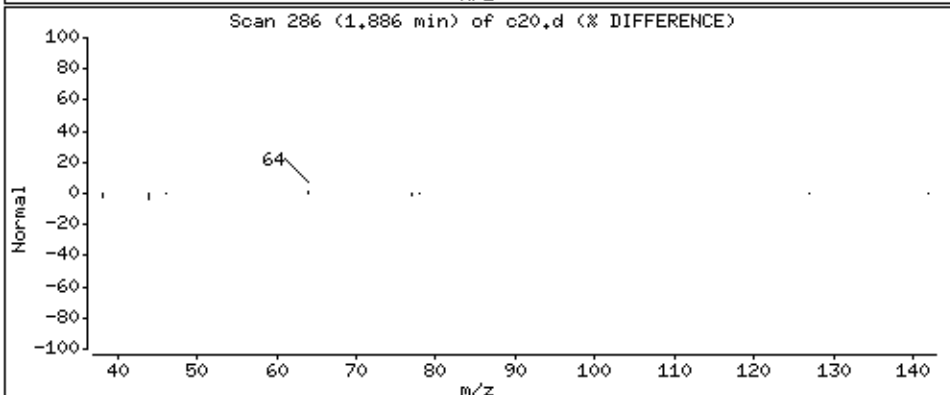
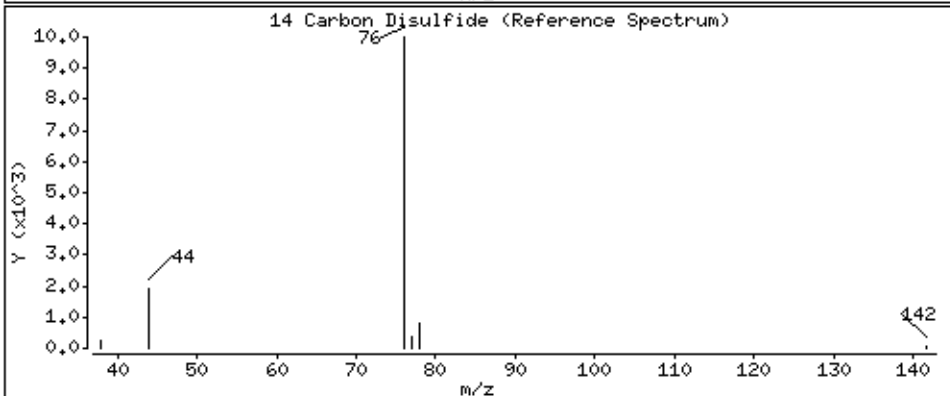
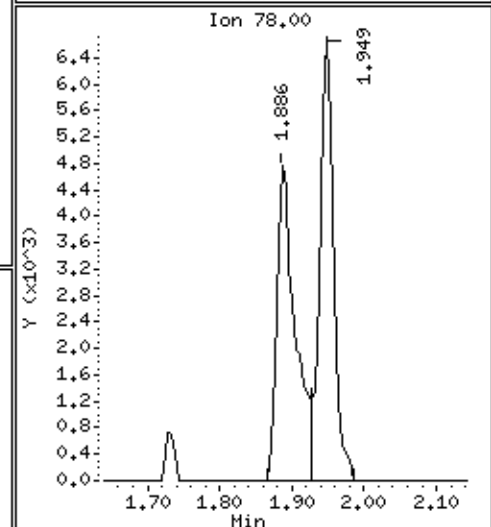
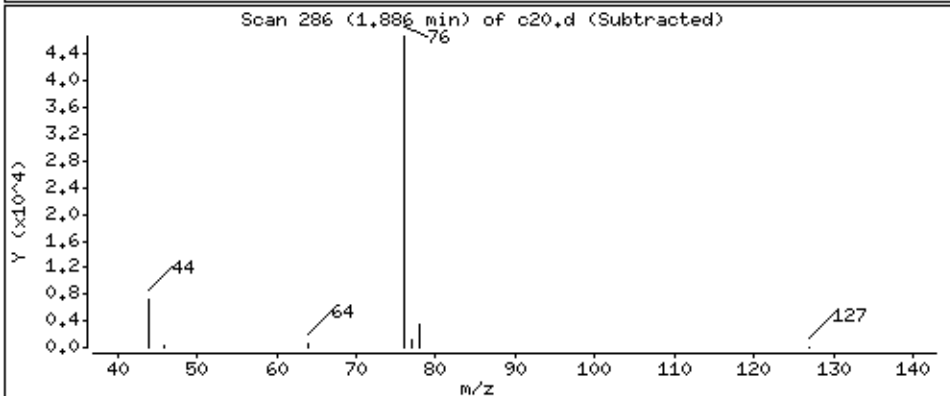
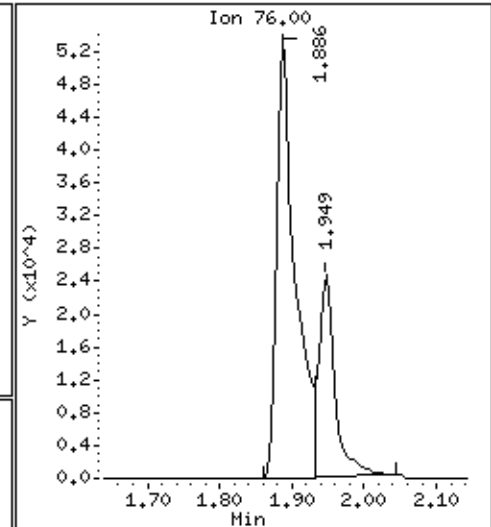
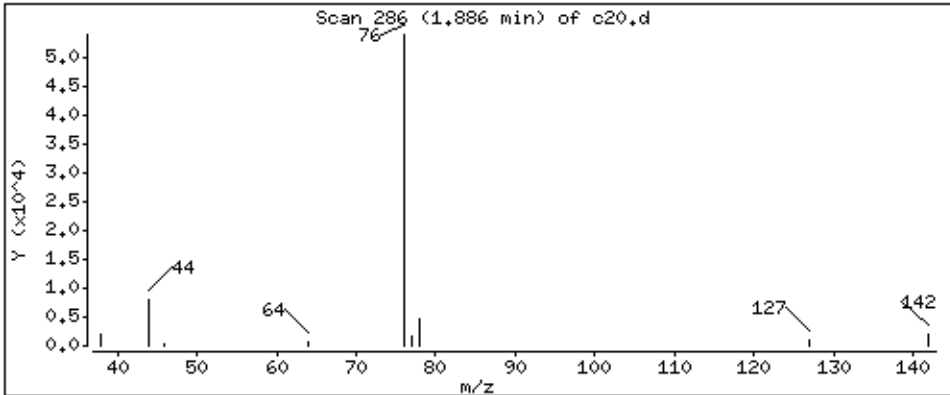
Column phase: DB-624

Column diameter: 0,18

14 Carbon Disulfide

Concentration: 79,3 ppb

Review Code:



Date : 03-JUL-2014 08:15

Client ID: THW-6(2-4)MS

Instrument: 50mv3a.i

Sample Info: 1122066,71089;5

Operator: jlz

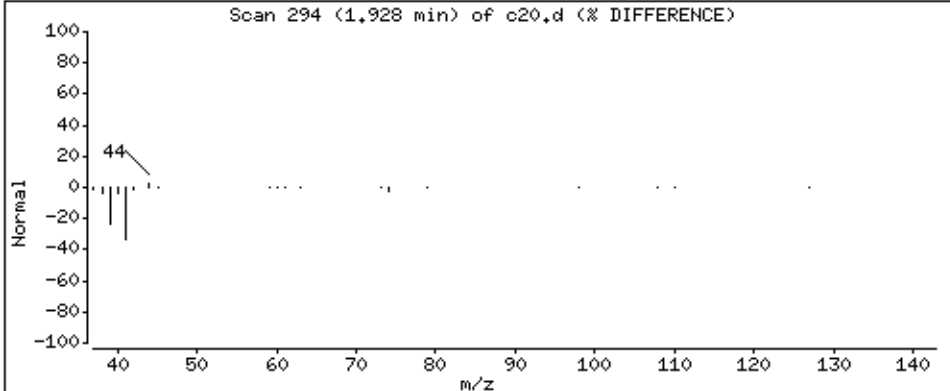
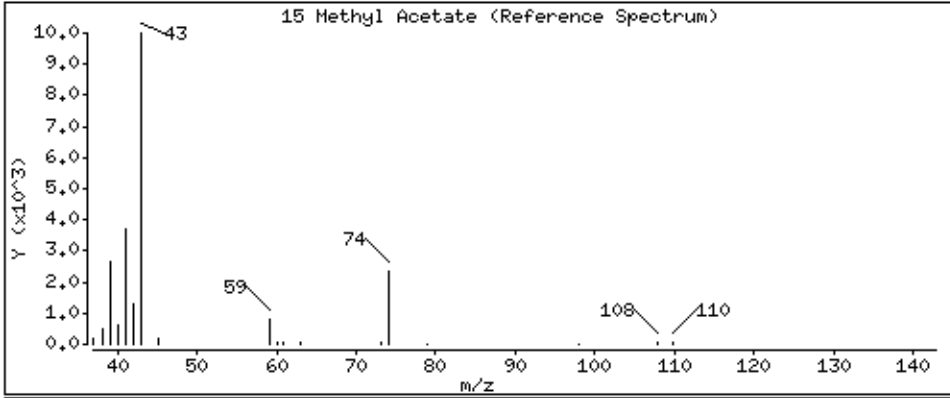
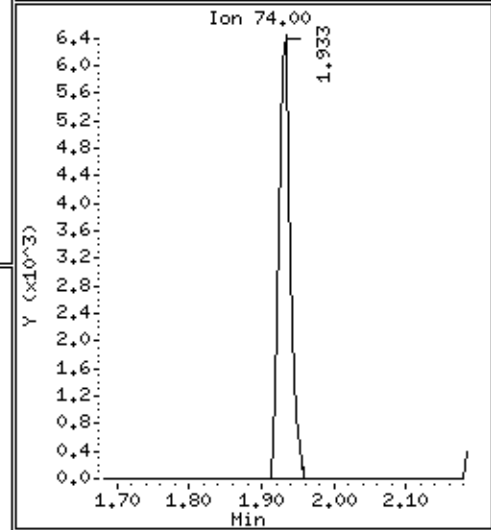
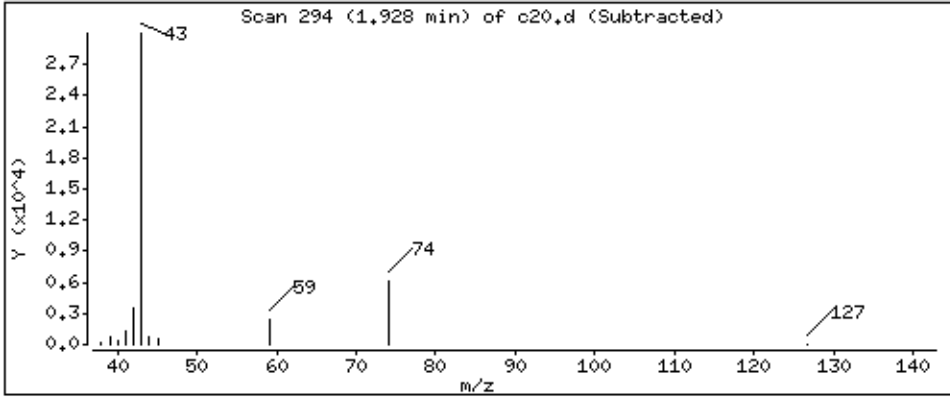
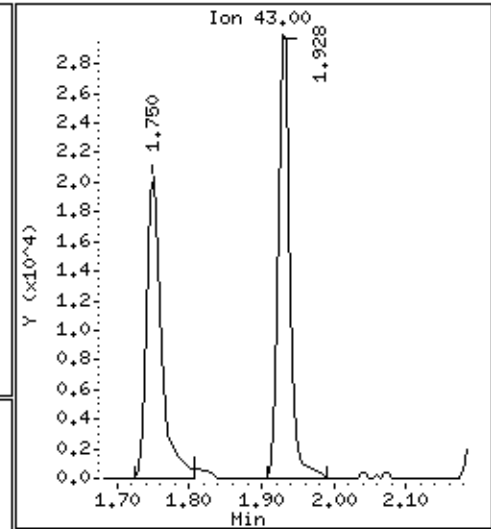
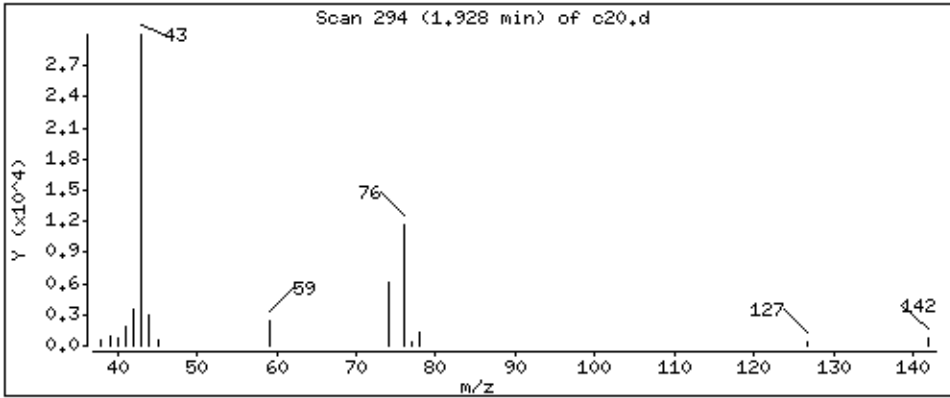
Column phase: DB-624

Column diameter: 0,18

15 Methyl Acetate

Concentration: 202 ppb

Review Code:



Date : 03-JUL-2014 08:15

Client ID: THW-6(2-4)MS

Instrument: 50mw3a.i

Sample Info: 1122066,71089;5

Operator: jlz

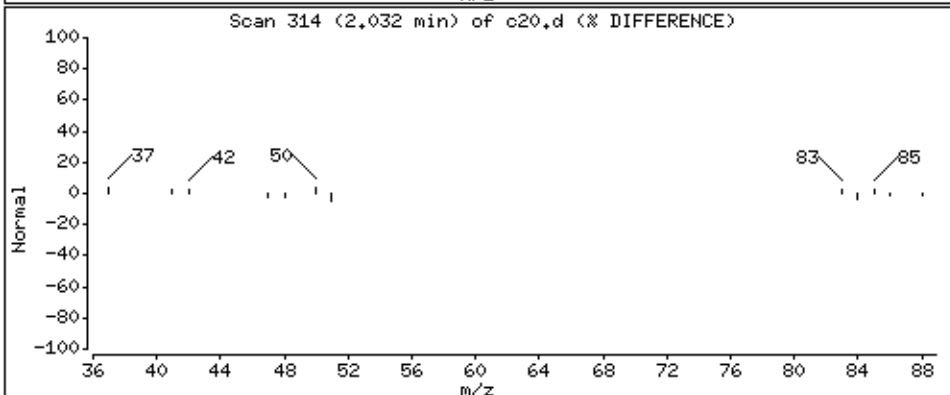
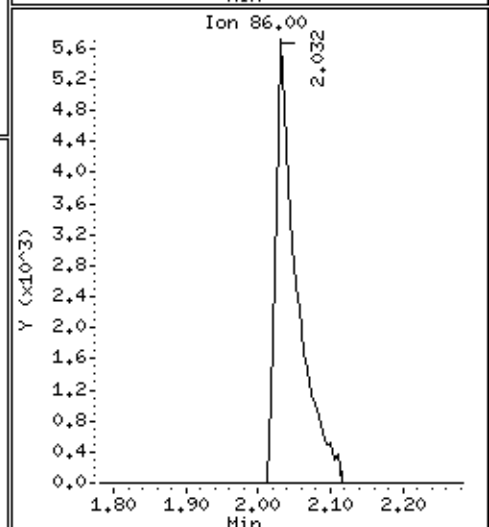
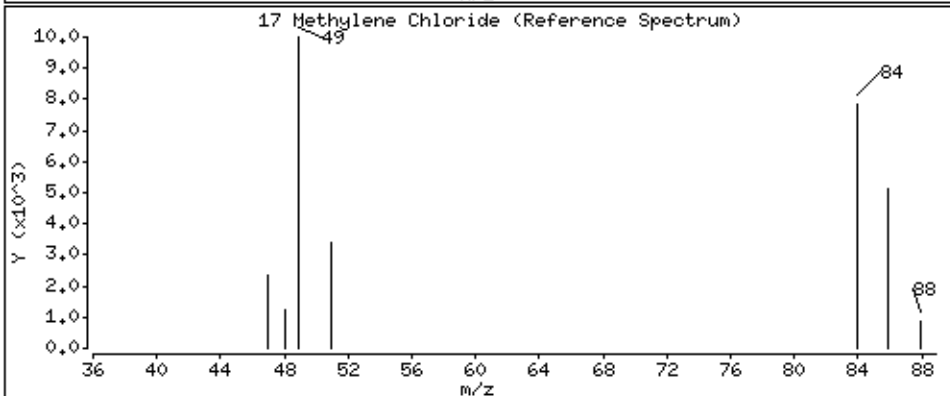
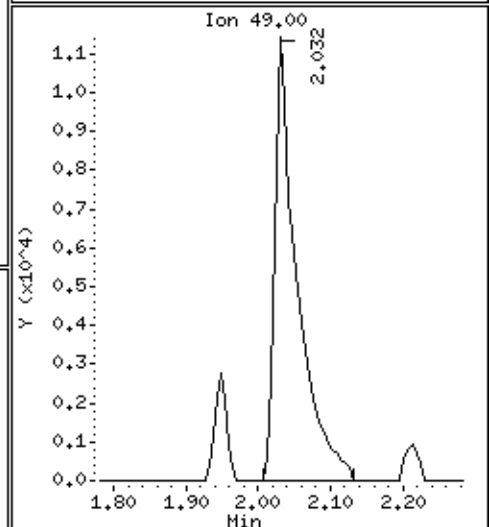
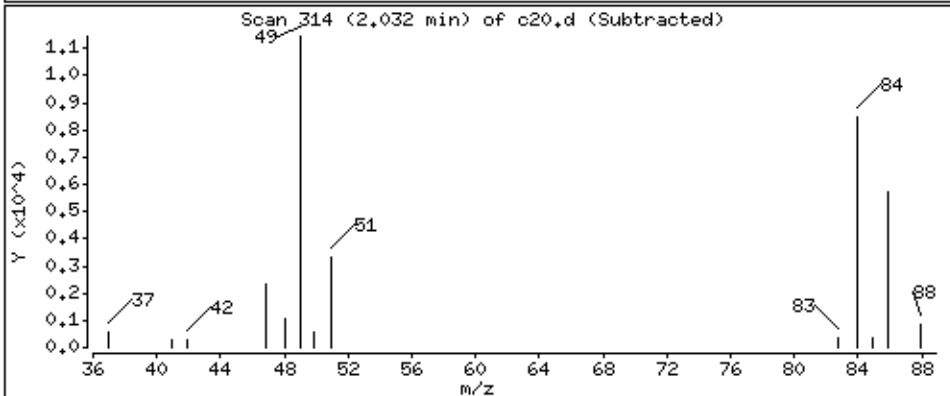
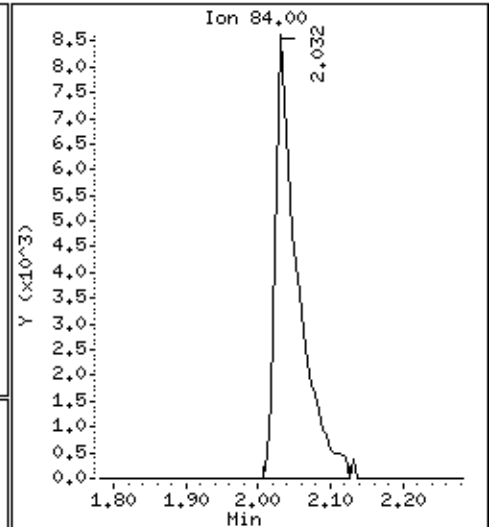
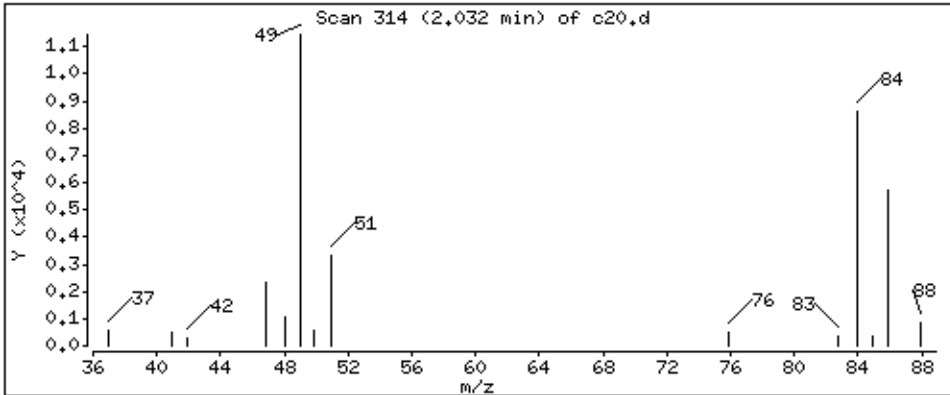
Column phase: DB-624

Column diameter: 0,18

17 Methylene Chloride

Concentration: 30,3 ppb

Review Code:



Date : 03-JUL-2014 08:15

Client ID: THW-6(2-4)MS

Instrument: 50mv3a.i

Sample Info: 1122066,71089;5

Operator: jlz

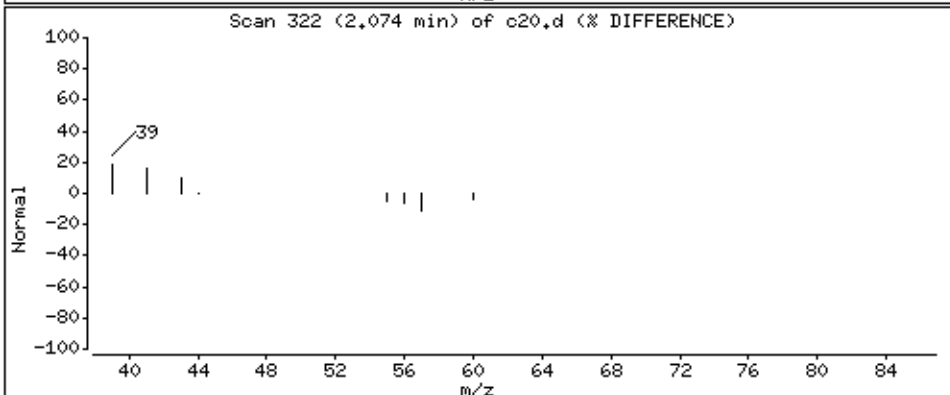
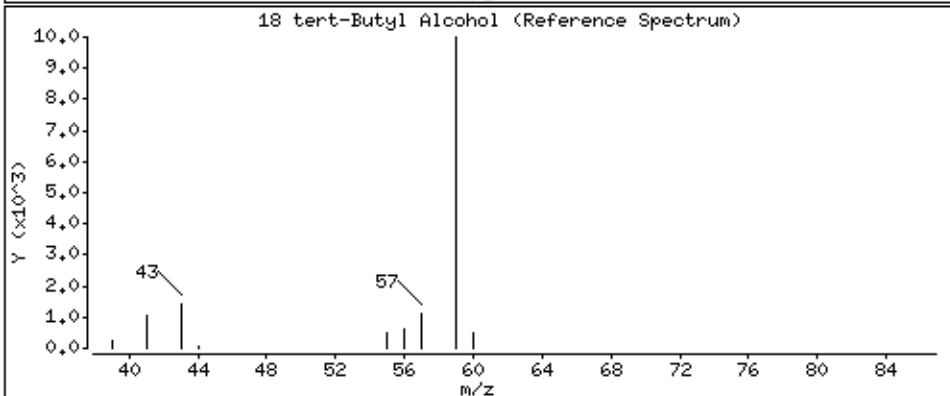
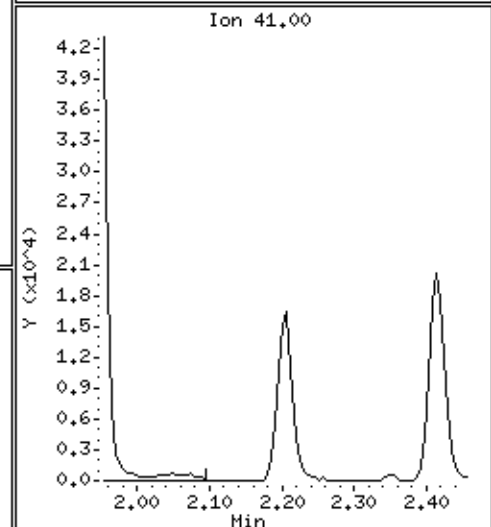
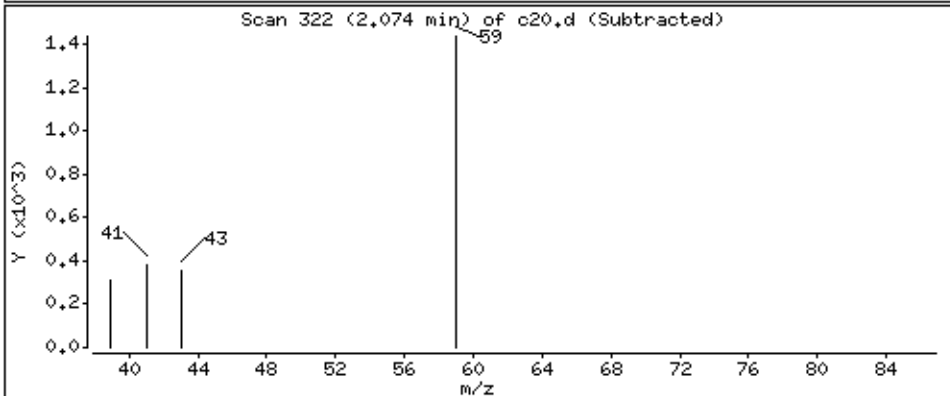
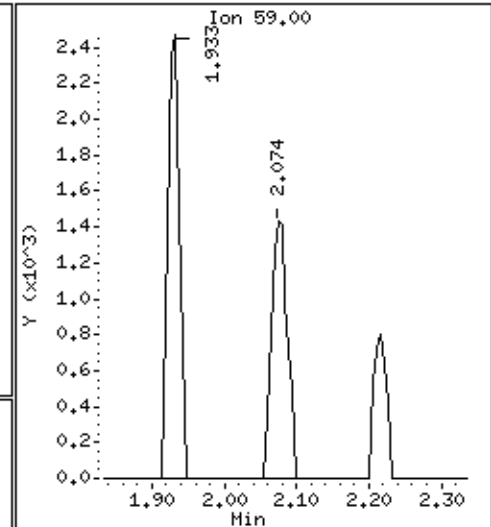
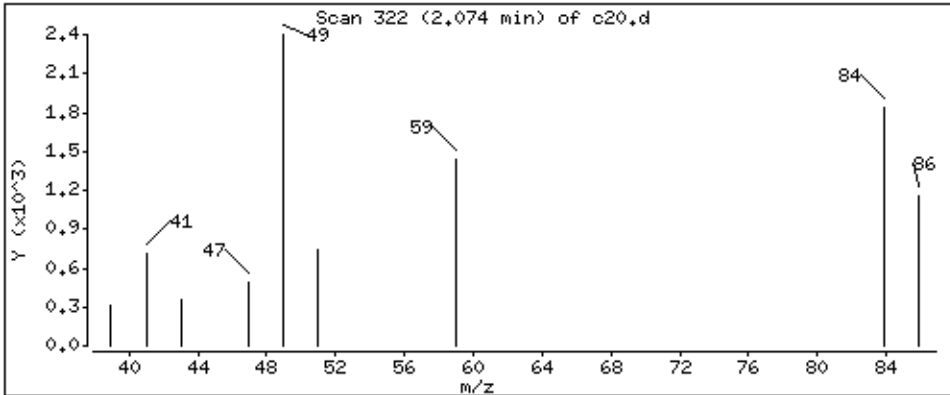
Column phase: DB-624

Column diameter: 0,18

18 tert-Butyl Alcohol

Concentration: 133 ppb

Review Code:



Date : 03-JUL-2014 08:15

Client ID: THW-6(2-4)MS

Instrument: 50mv3a.i

Sample Info: 1122066,71089;5

Operator: jlz

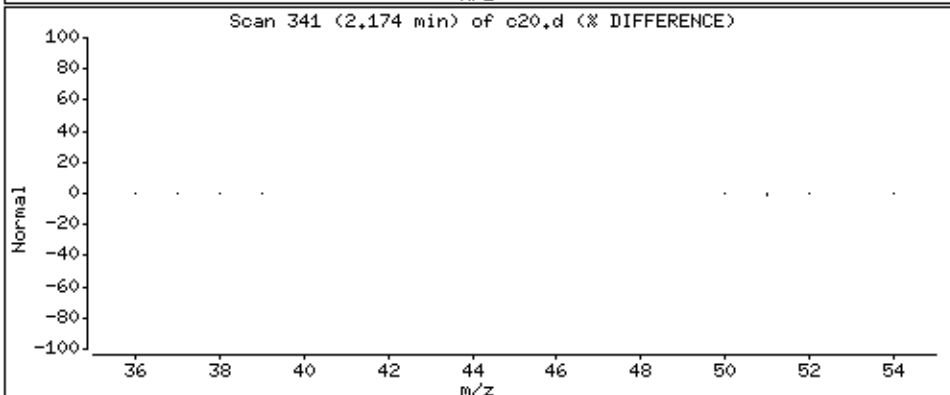
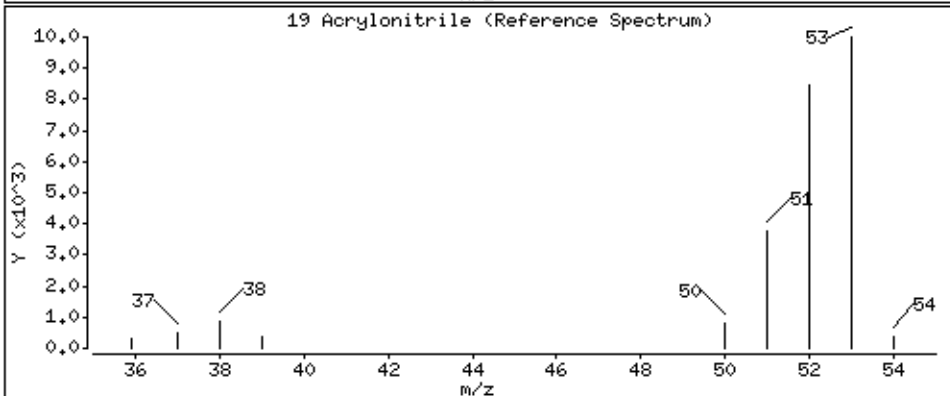
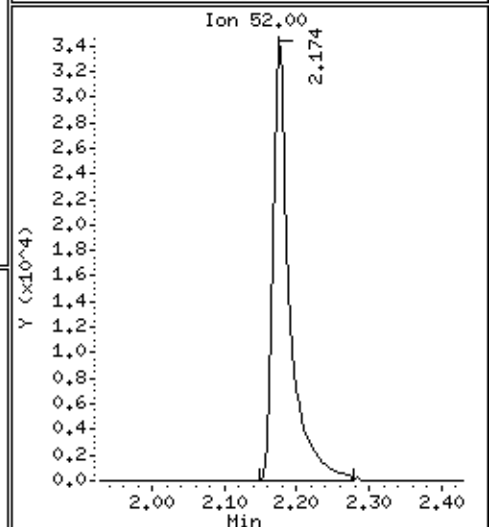
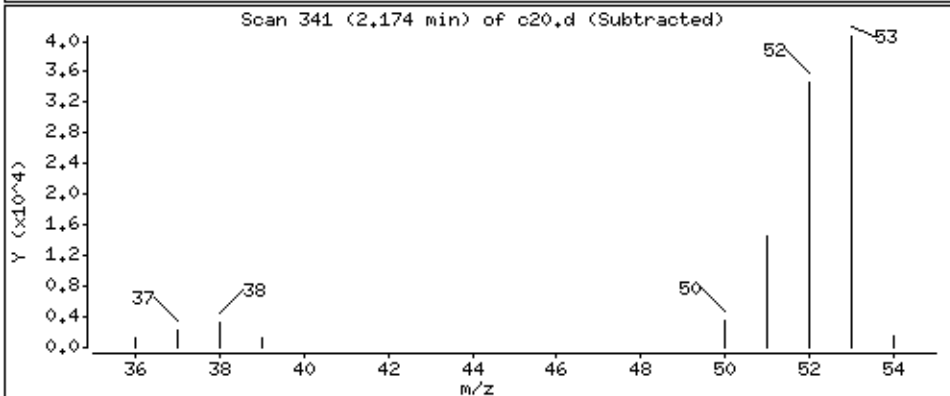
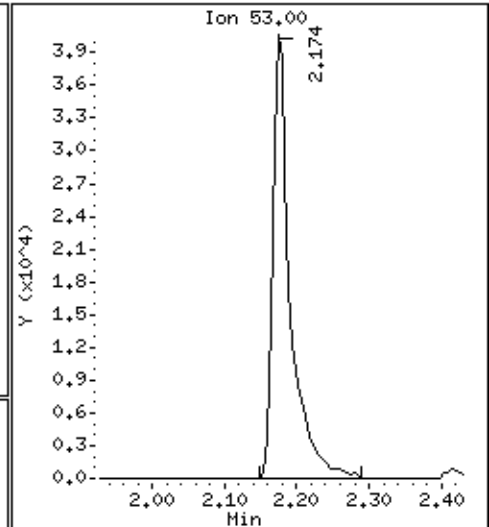
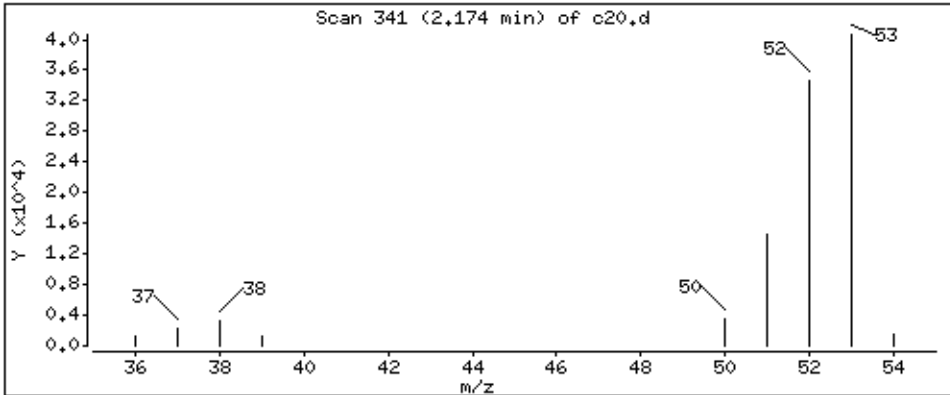
Column phase: DB-624

Column diameter: 0,18

19 Acrylonitrile

Concentration: 819 ppb

Review Code:



Date : 03-JUL-2014 08:15

Client ID: THW-6(2-4)MS

Instrument: 50mw3a.i

Sample Info: 1122066,71089;5

Operator: jlz

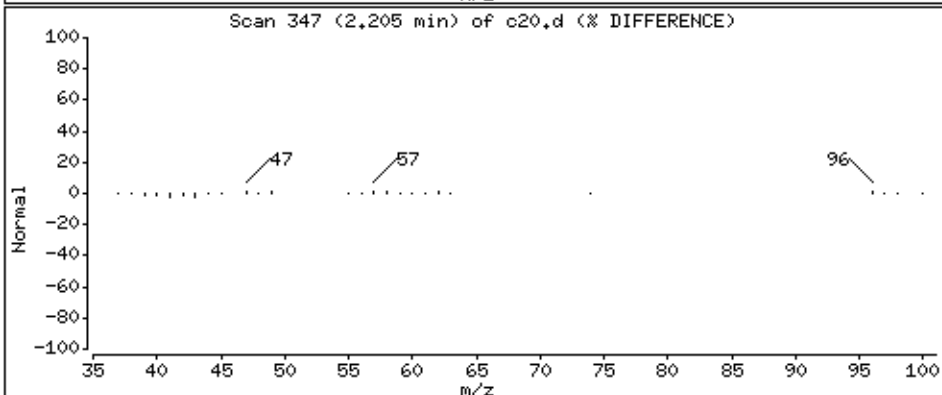
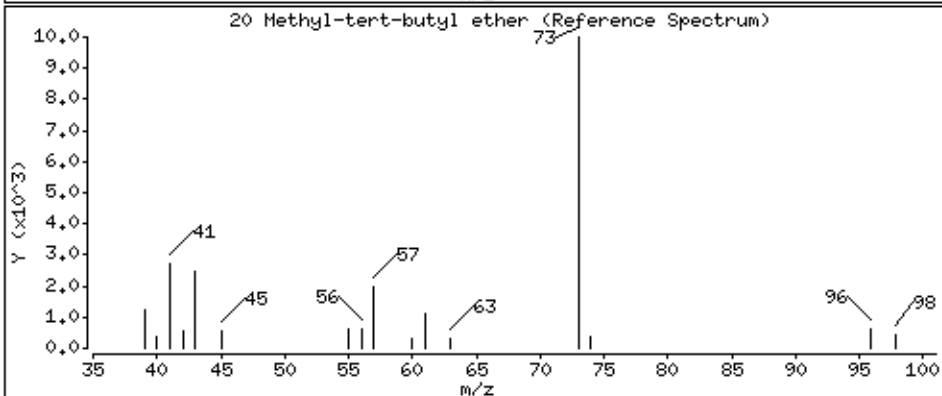
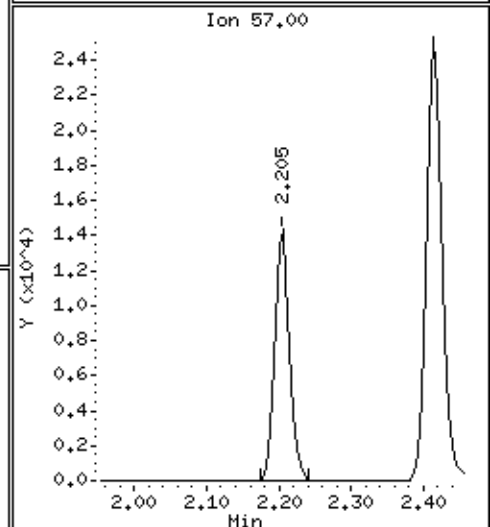
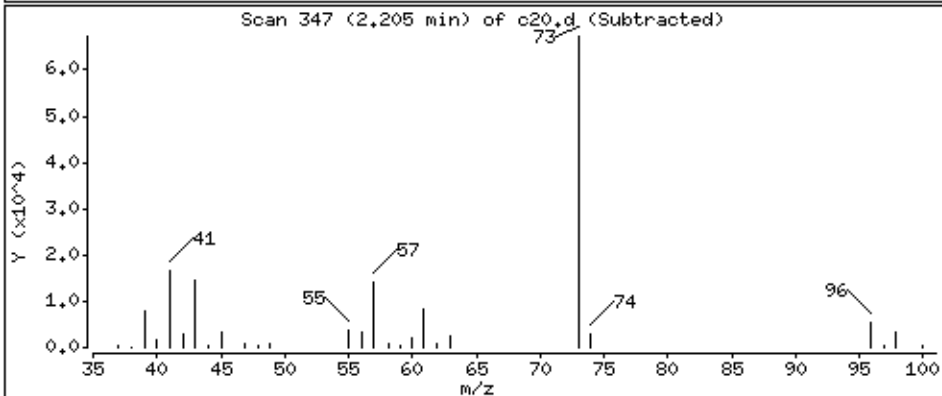
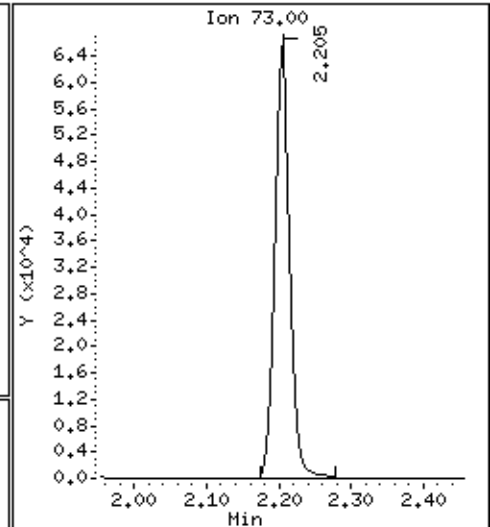
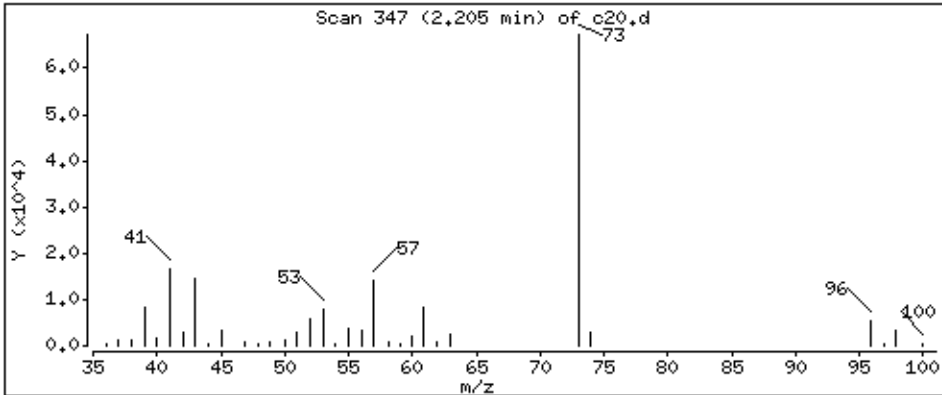
Column phase: DB-624

Column diameter: 0,18

20 Methyl-tert-butyl ether

Concentration: 98,7 ppb

Review Code:



Date : 03-JUL-2014 08:15

Client ID: THW-6(2-4)MS

Instrument: 50mv3a.i

Sample Info: 1122066,71089;5

Operator: jlz

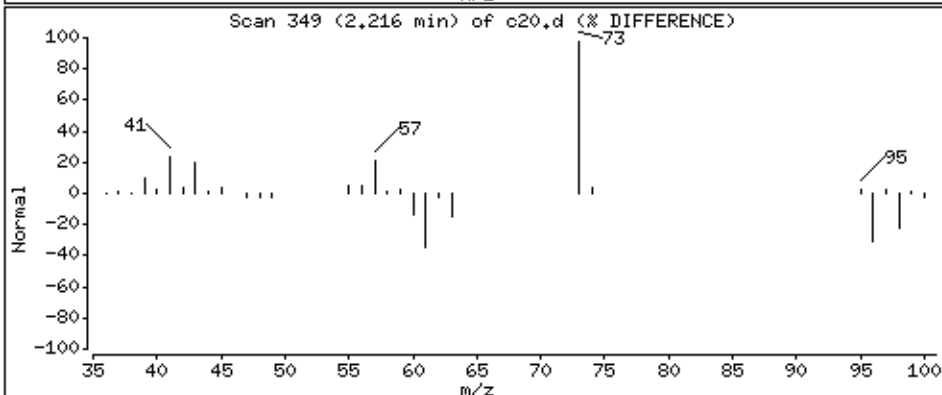
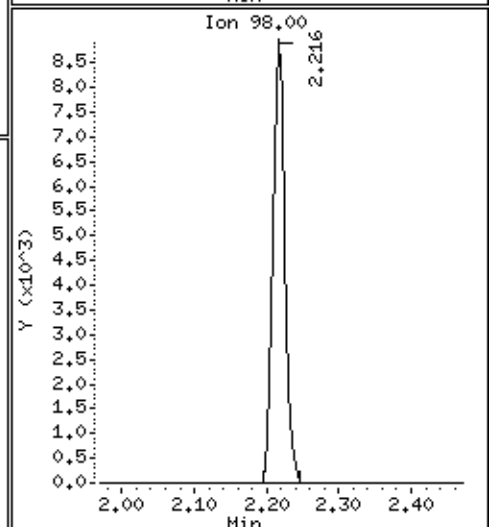
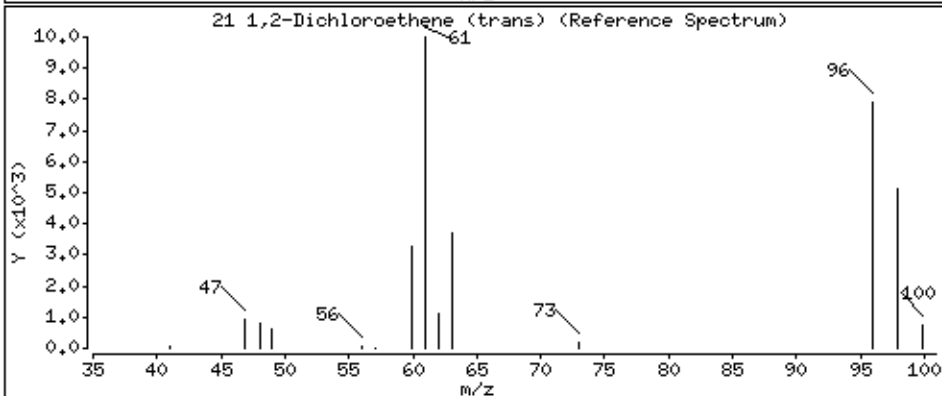
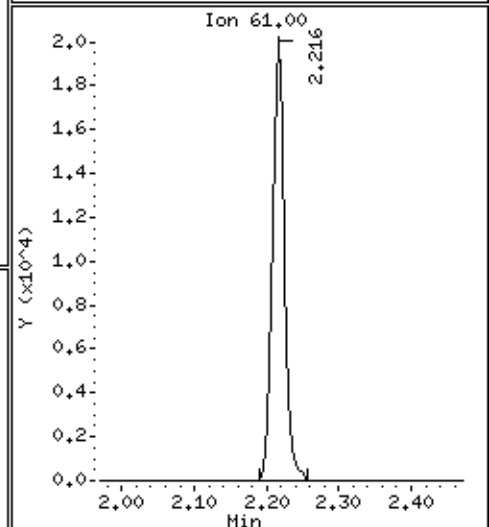
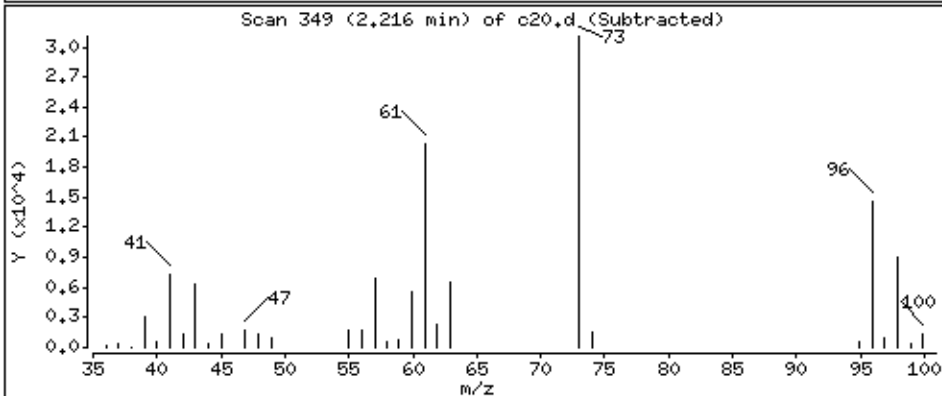
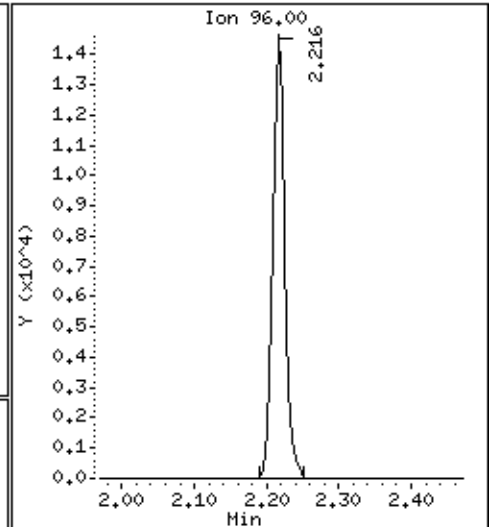
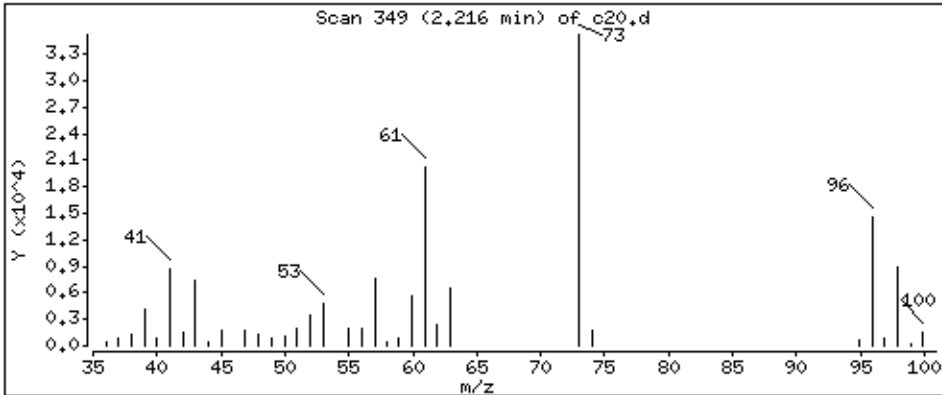
Column phase: DB-624

Column diameter: 0,18

21 1,2-Dichloroethene (trans)

Concentration: 35,2 ppb

Review Code:



Date : 03-JUL-2014 08:15

Client ID: THW-6(2-4)MS

Instrument: 50mv3a.i

Sample Info: 1122066,71089;5

Operator: jlz

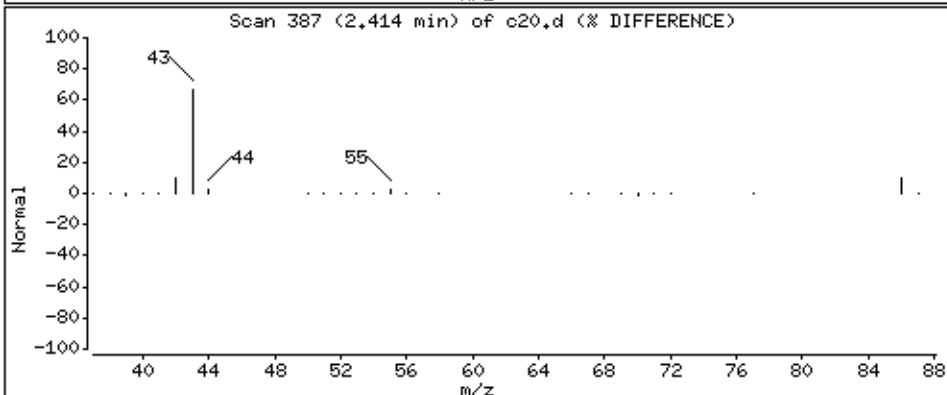
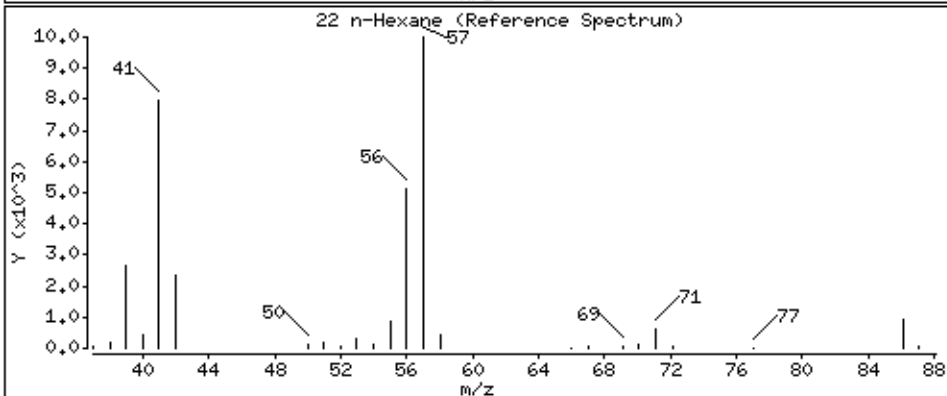
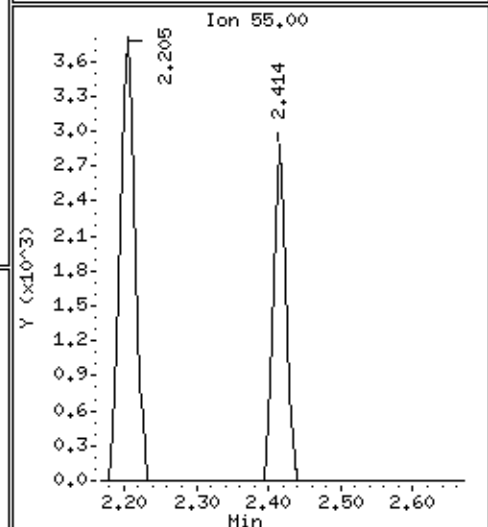
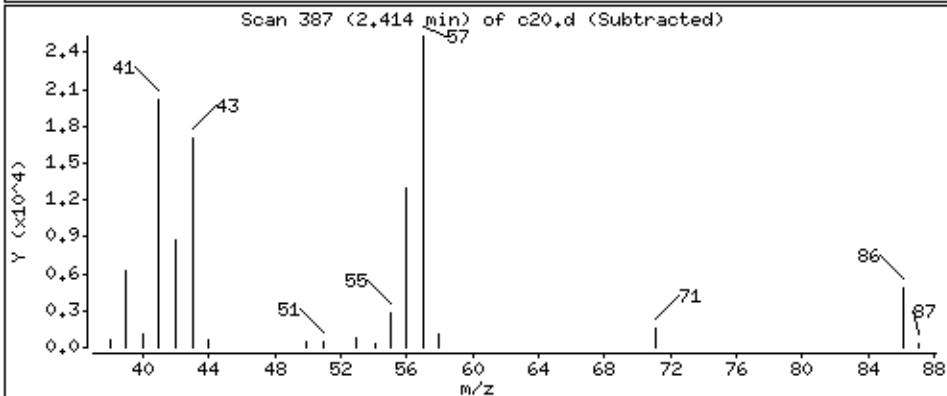
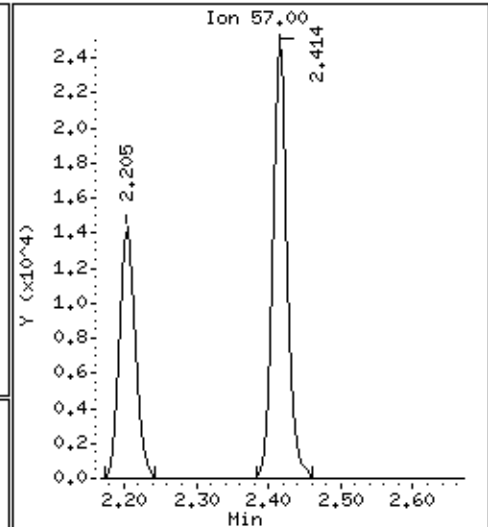
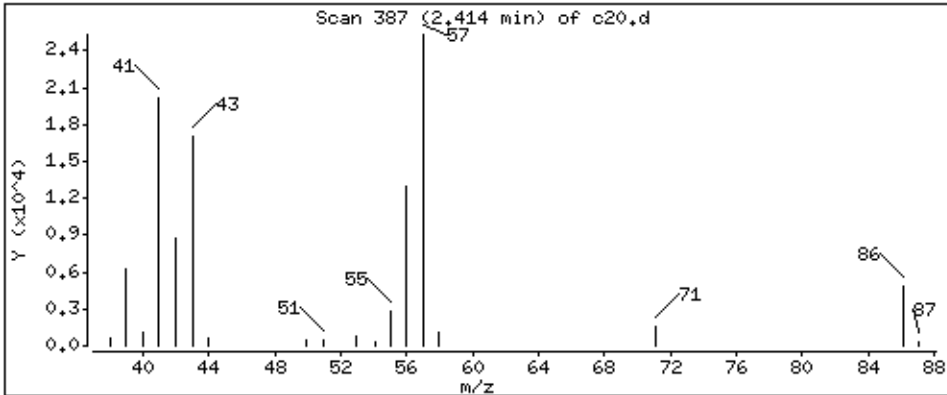
Column phase: DB-624

Column diameter: 0,18

22 n-Hexane

Concentration: 41.7 ppb

Review Code:



Date : 03-JUL-2014 08:15

Client ID: THW-6(2-4)MS

Instrument: 50mv3a.i

Sample Info: 1122066,71089;5

Operator: jlz

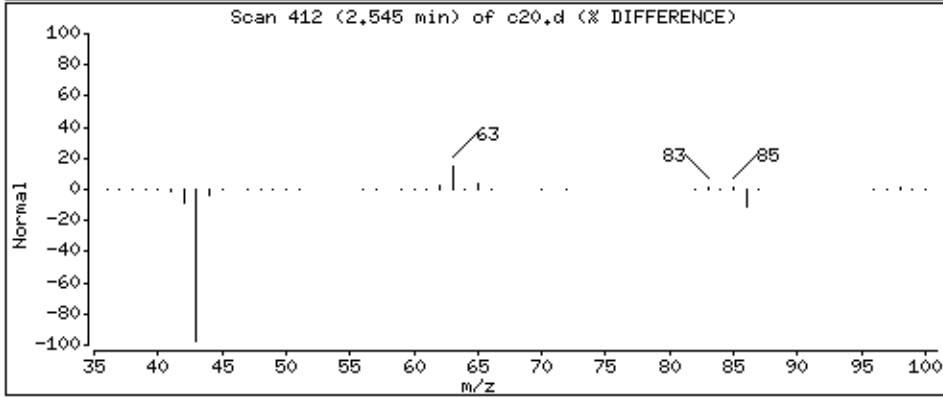
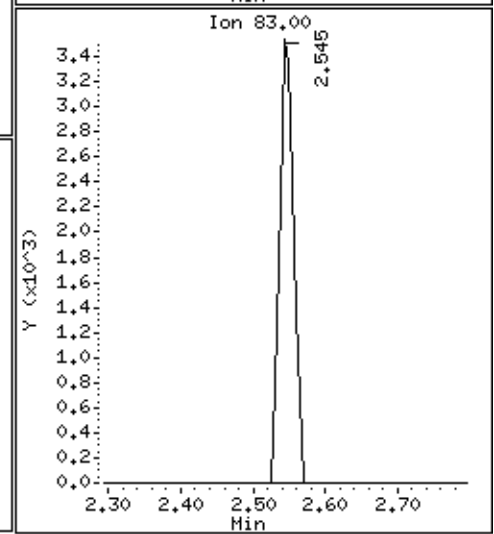
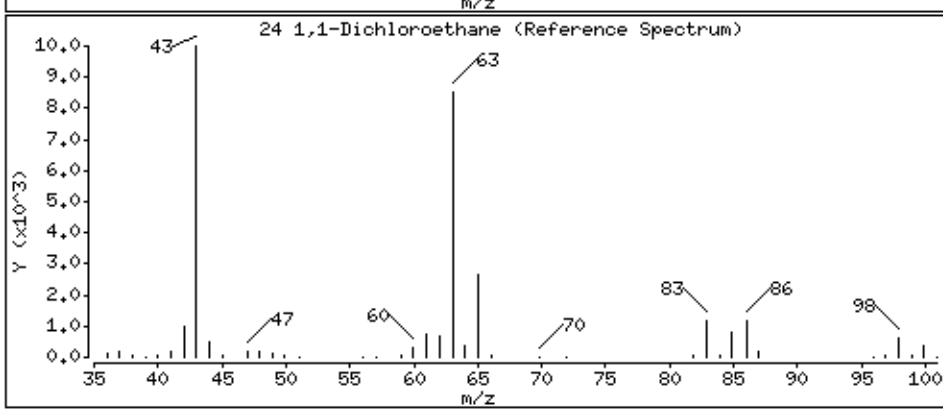
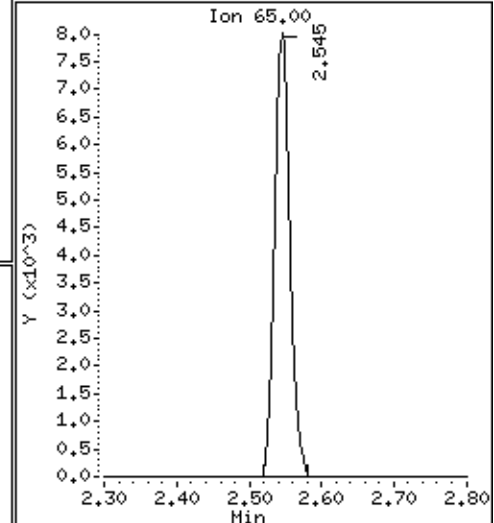
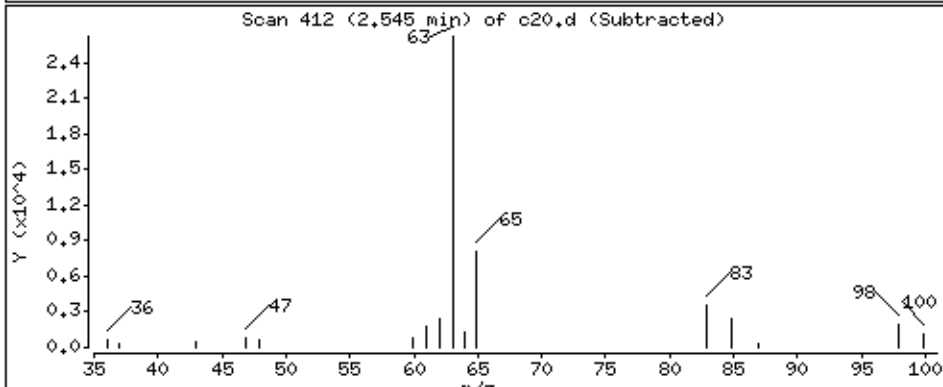
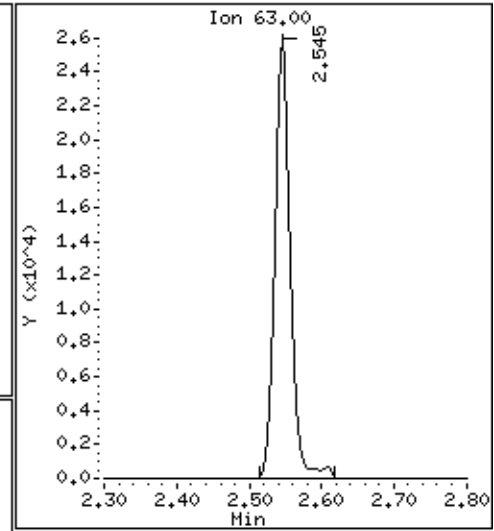
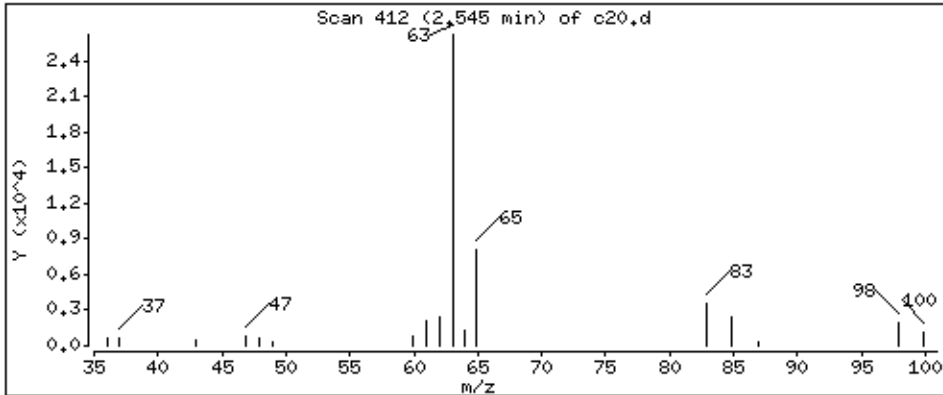
Column phase: DB-624

Column diameter: 0,18

24 1,1-Dichloroethane

Concentration: 47,8 ppb

Review Code:



Date : 03-JUL-2014 08:15

Client ID: THW-6(2-4)MS

Instrument: 50mv3a.i

Sample Info: 1122066,71089;5

Operator: jlz

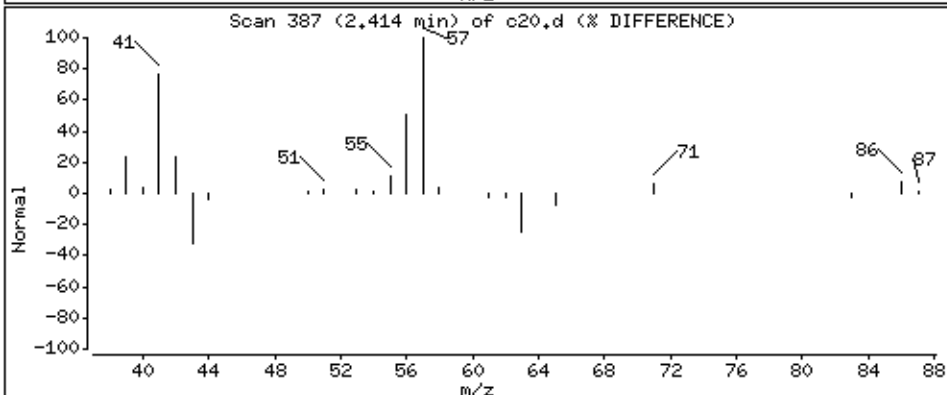
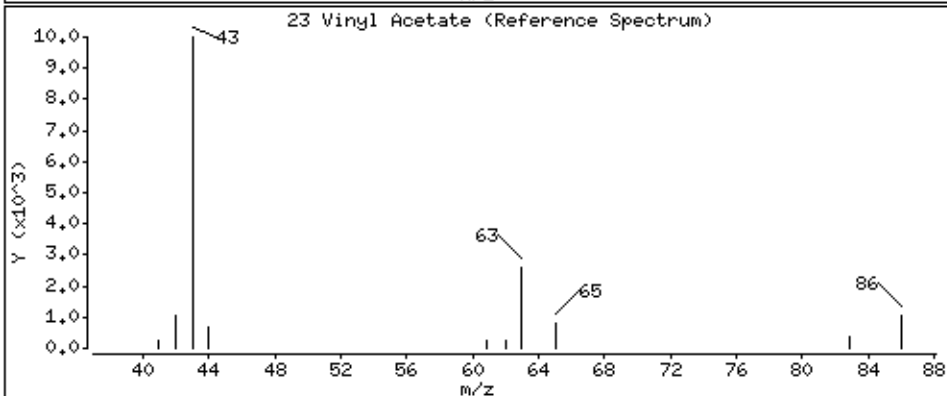
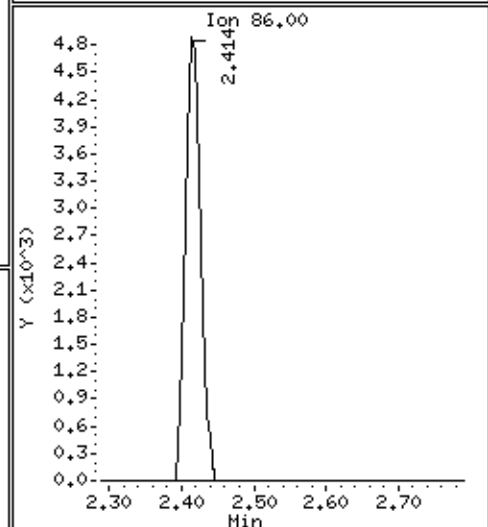
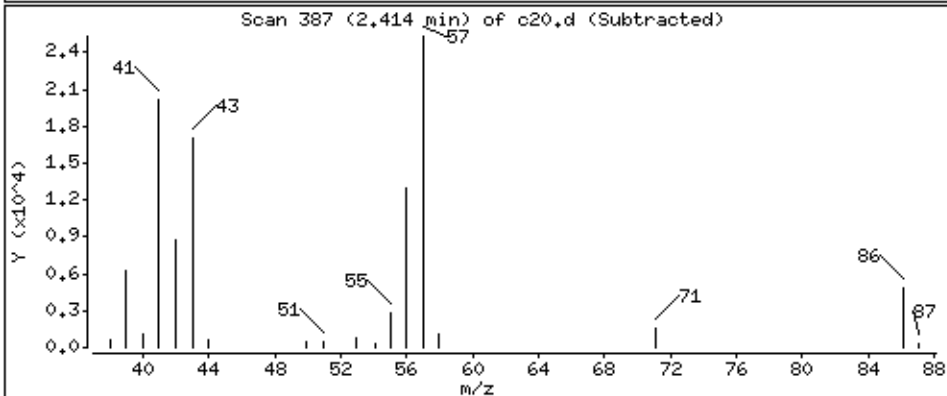
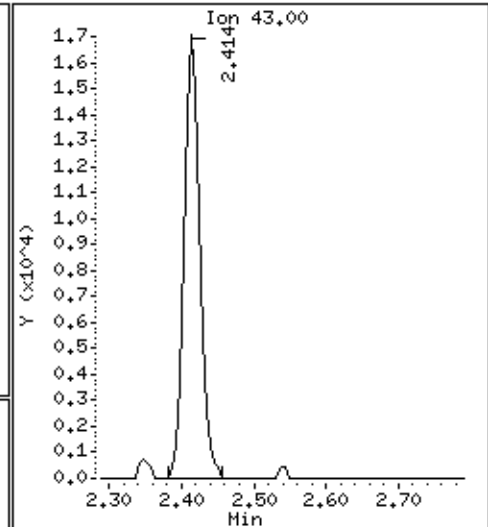
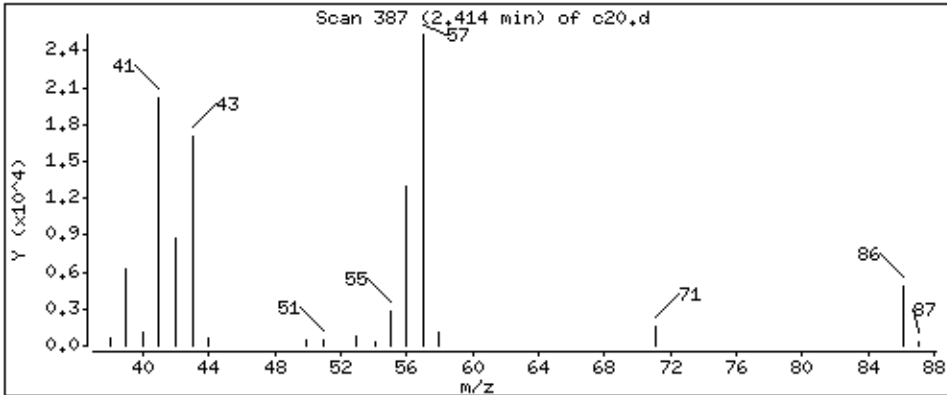
Column phase: DB-624

Column diameter: 0,18

23 Vinyl Acetate

Concentration: 62,5 ppb

Review Code:



Date : 03-JUL-2014 08:15

Client ID: THW-6(2-4)MS

Instrument: 50mv3a.i

Sample Info: 1122066,71089;5

Operator: jlz

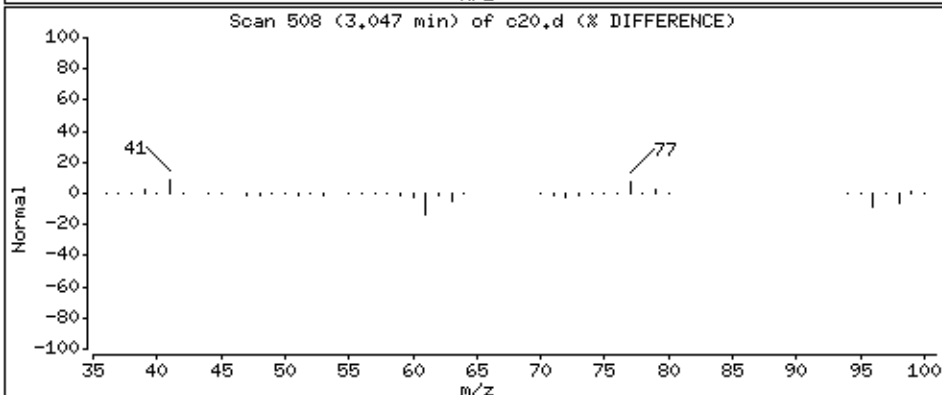
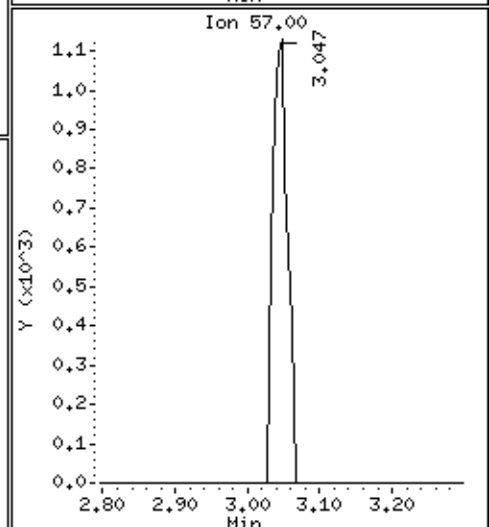
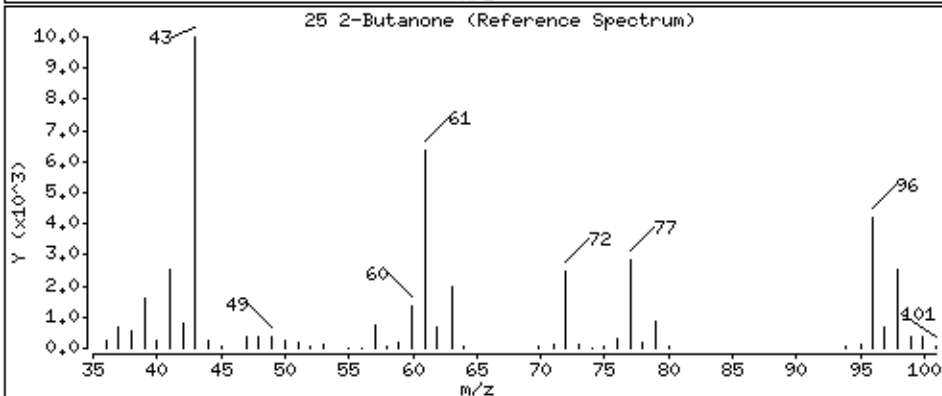
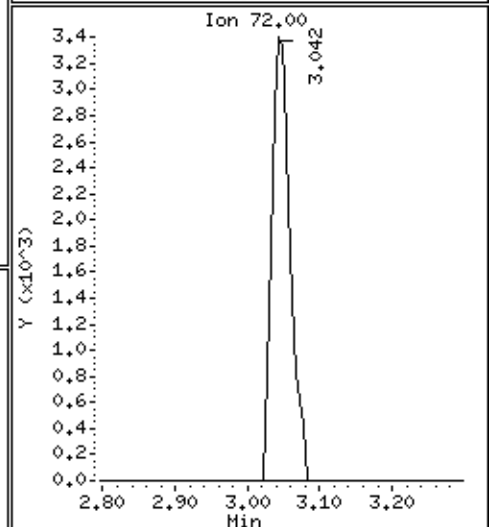
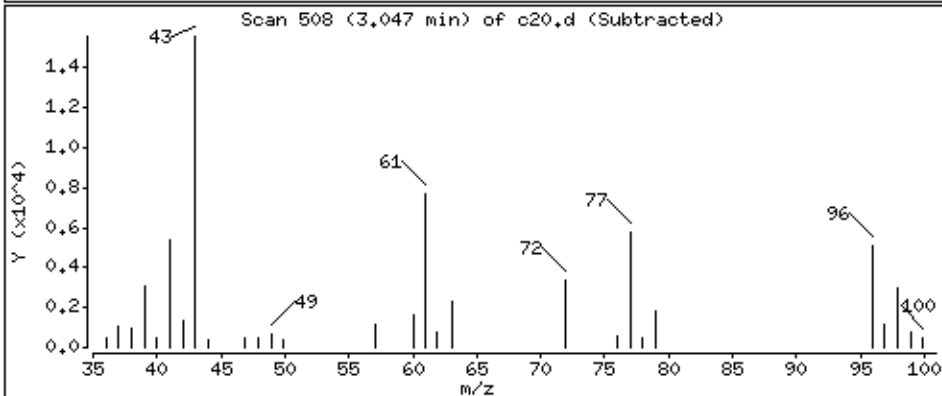
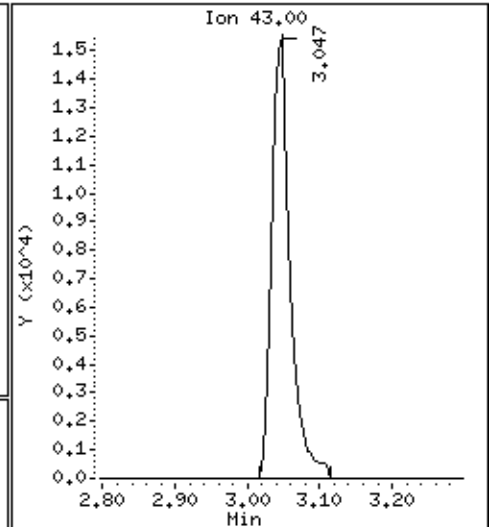
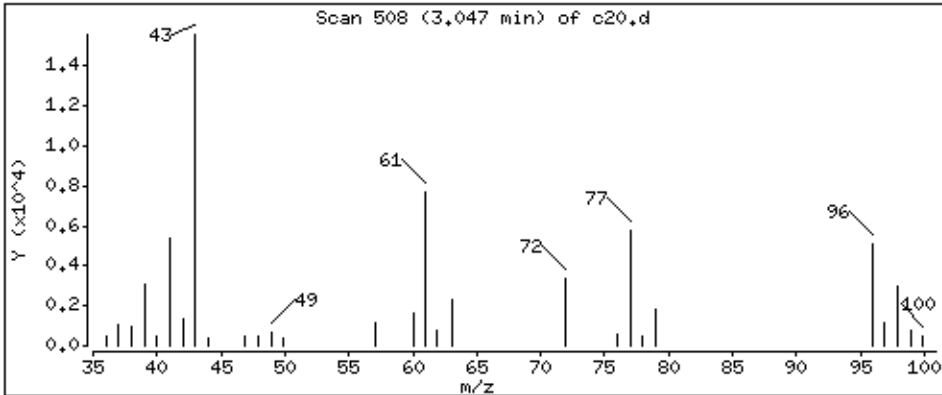
Column phase: DB-624

Column diameter: 0,18

25 2-Butanone

Concentration: 252 ppb

Review Code:



Date : 03-JUL-2014 08:15

Client ID: THW-6(2-4)MS

Instrument: 50mw3a.i

Sample Info: 1122066,71089;5

Operator: jlz

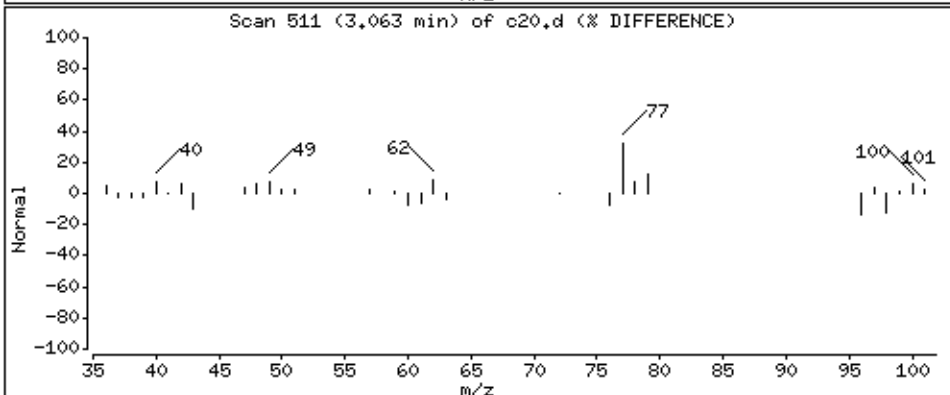
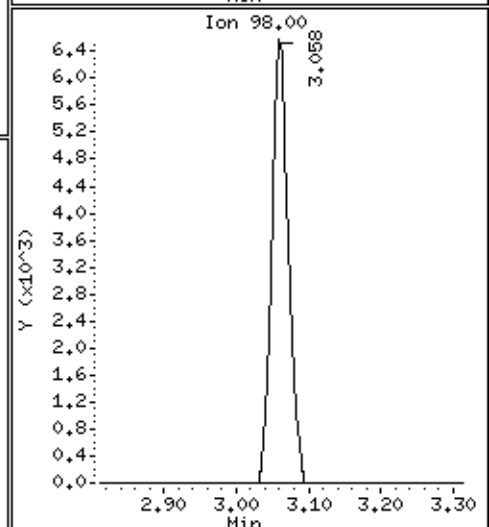
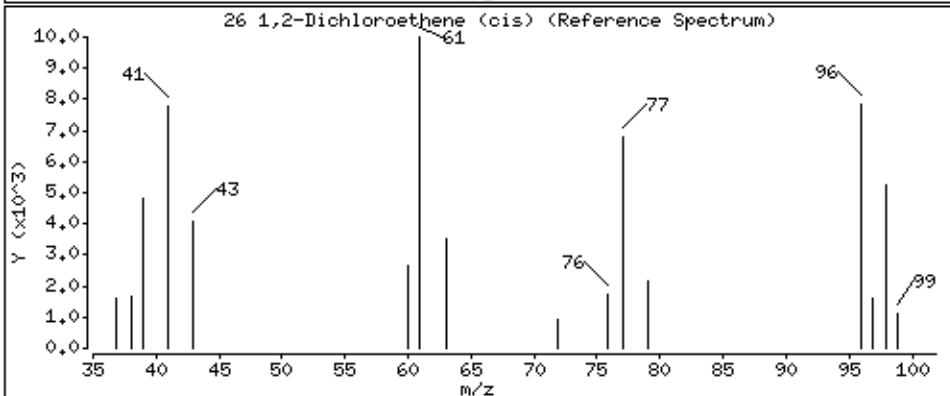
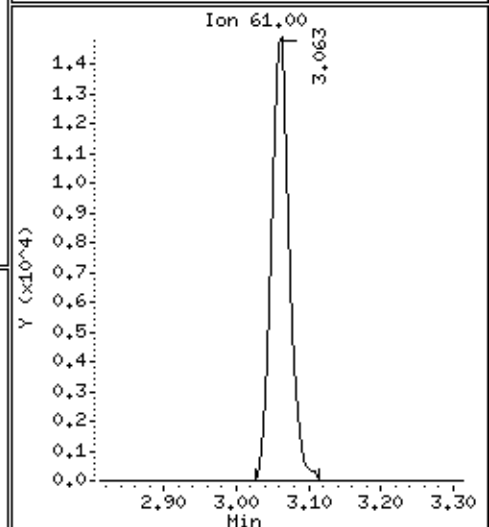
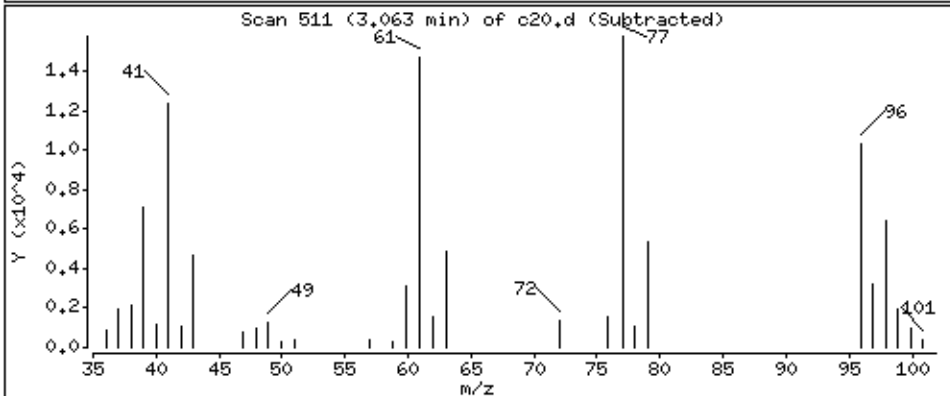
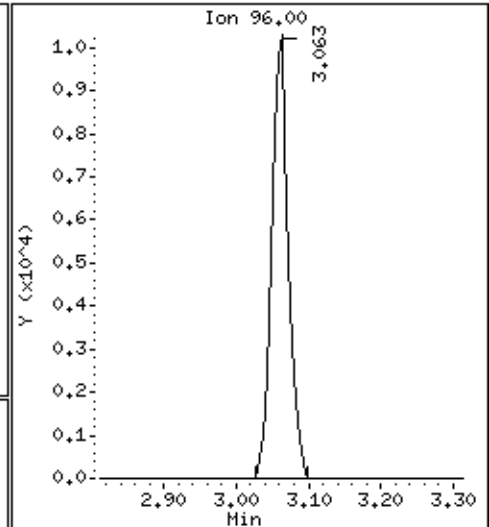
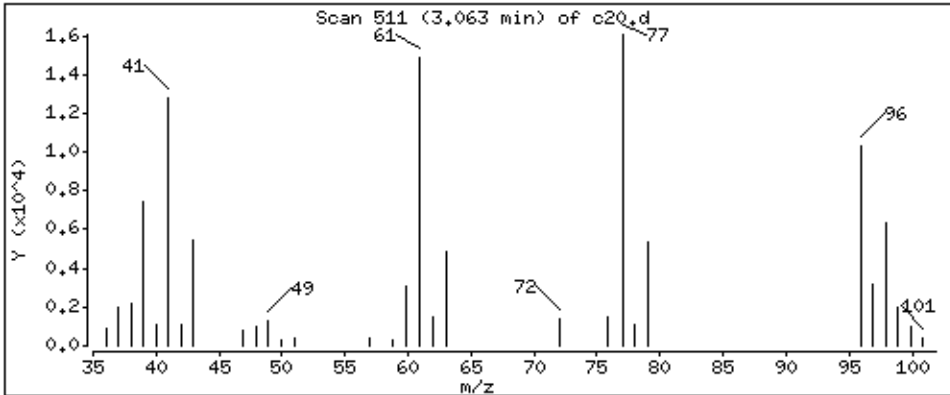
Column phase: DB-624

Column diameter: 0,18

26 1,2-Dichloroethene (cis)

Concentration: 33,7 ppb

Review Code:



Date : 03-JUL-2014 08:15

Client ID: THW-6(2-4)MS

Instrument: 50mw3a.i

Sample Info: 1122066,71089;5

Operator: jlz

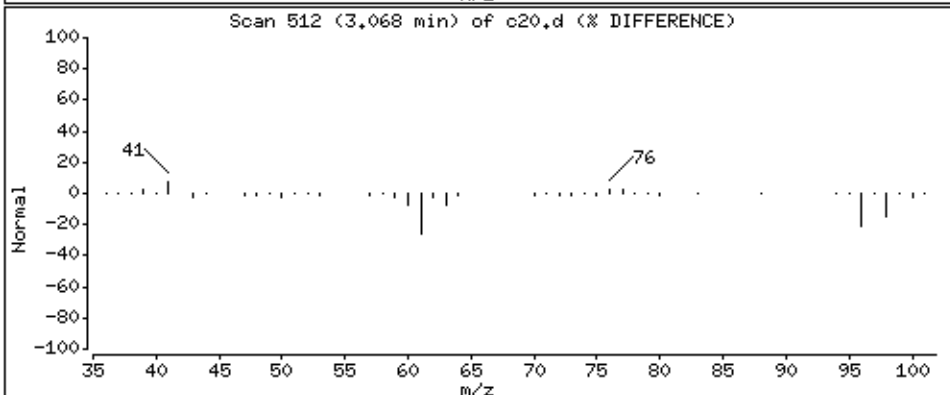
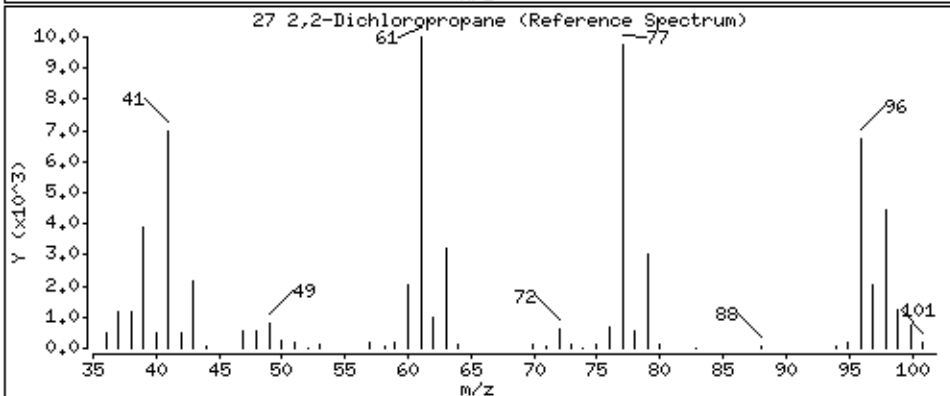
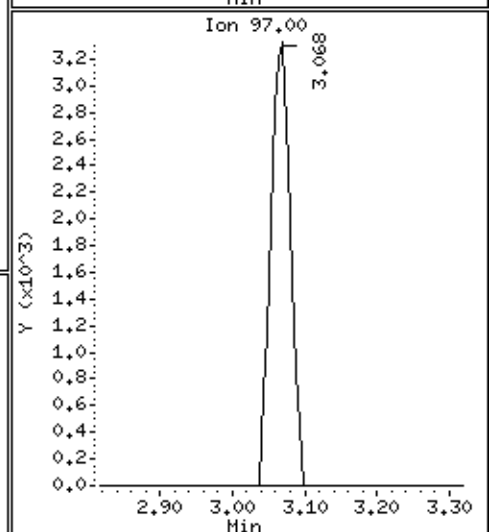
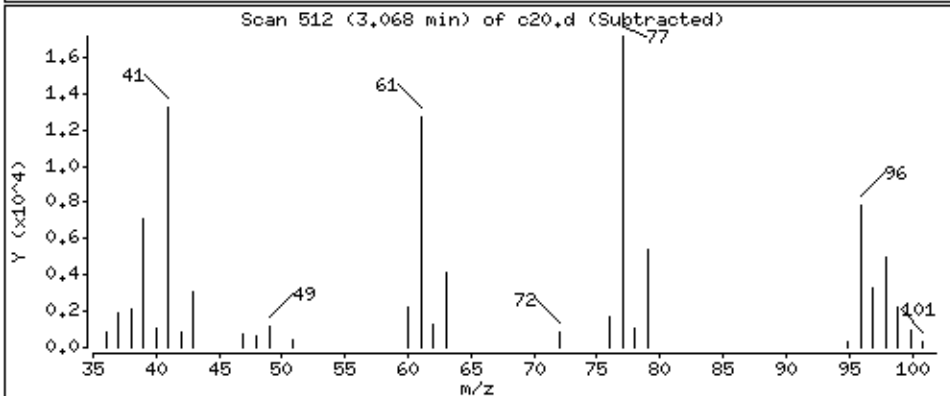
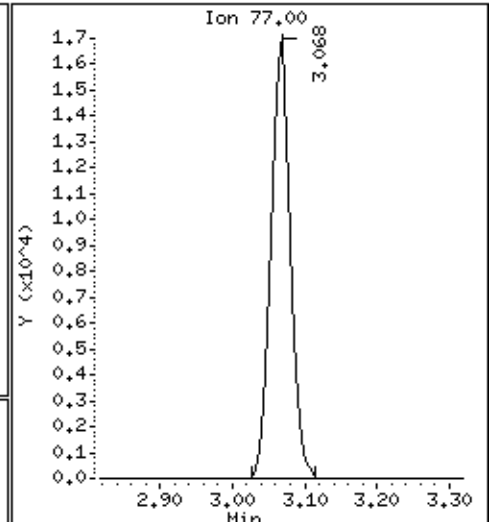
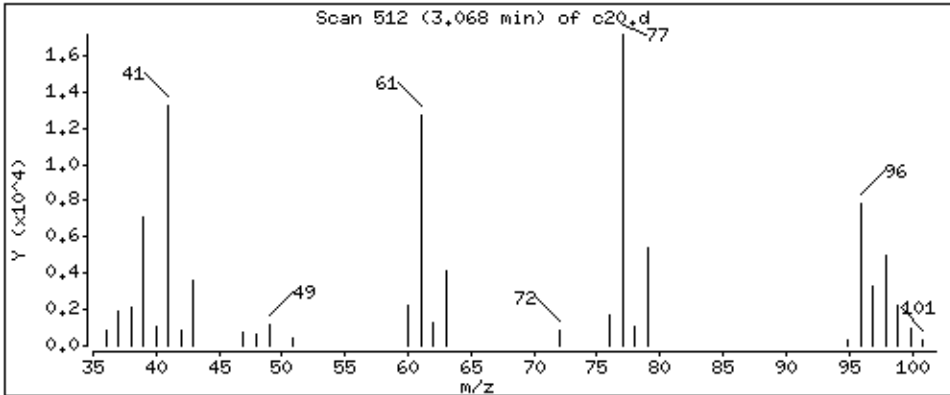
Column phase: DB-624

Column diameter: 0,18

27 2,2-Dichloropropane

Concentration: 52,5 ppb

Review Code:



Date : 03-JUL-2014 08:15

Client ID: THW-6(2-4)MS

Instrument: 50mv3a.i

Sample Info: 1122066,71089;5

Operator: jlz

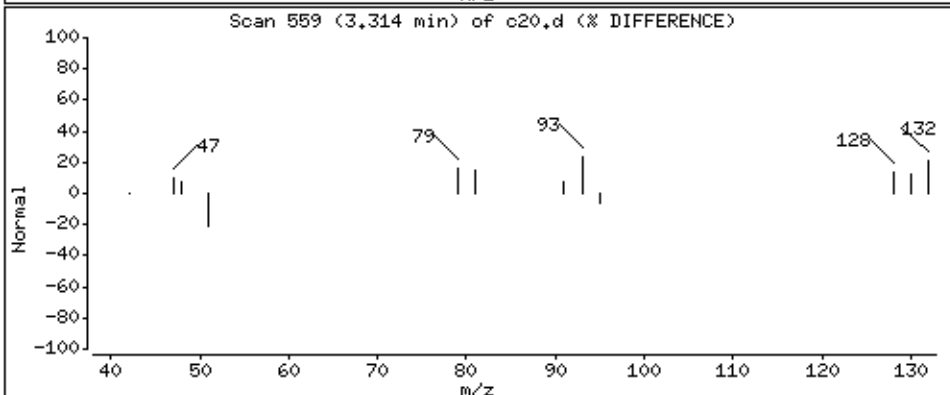
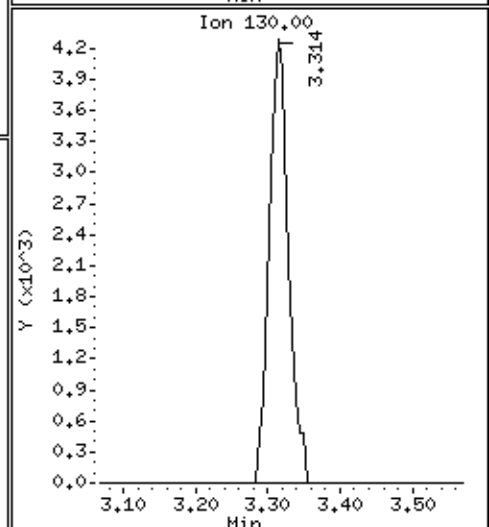
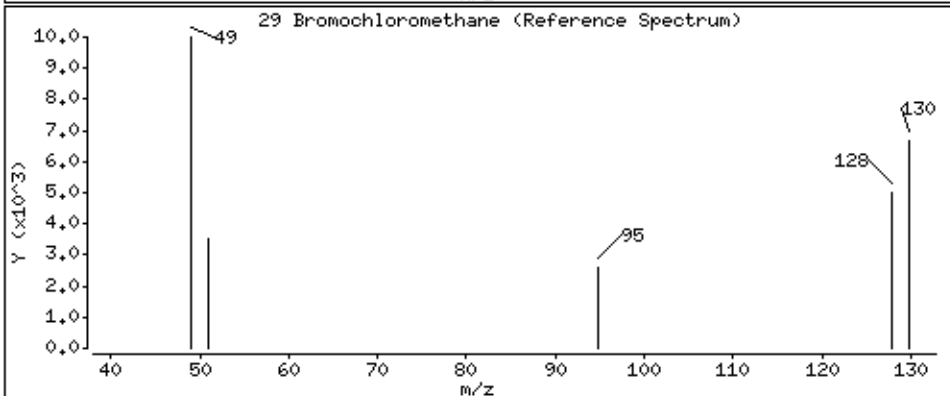
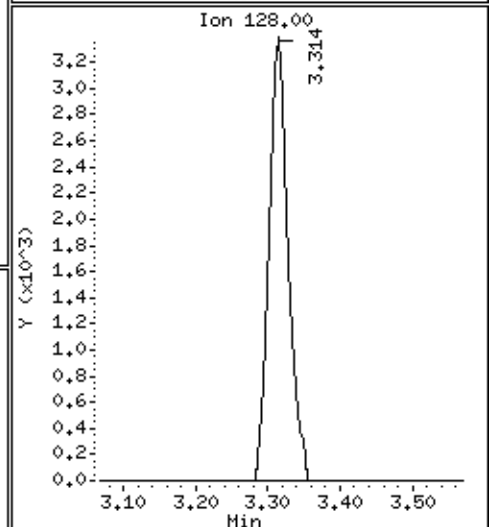
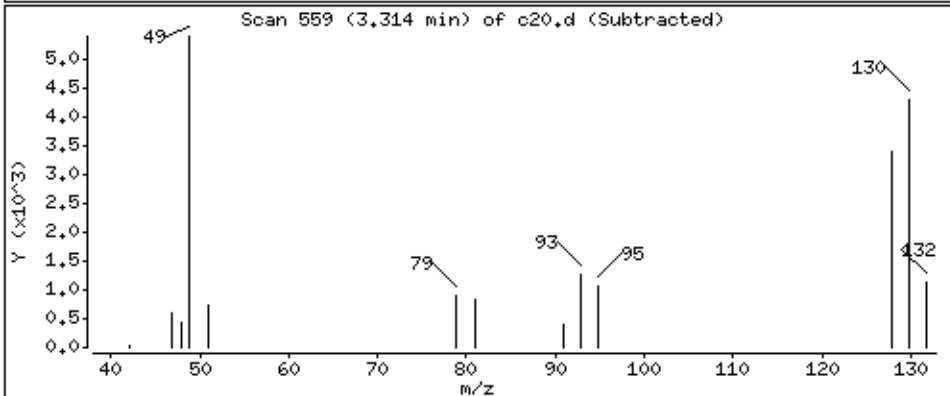
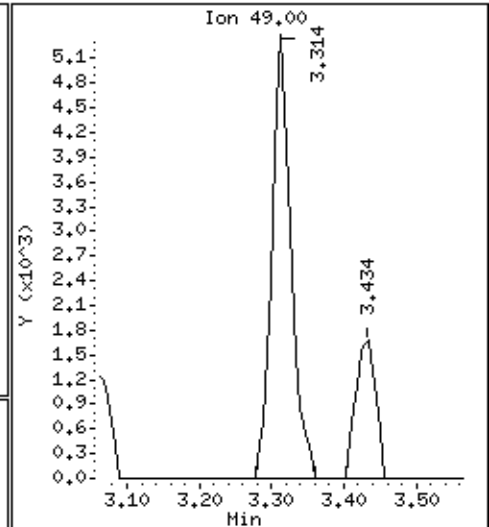
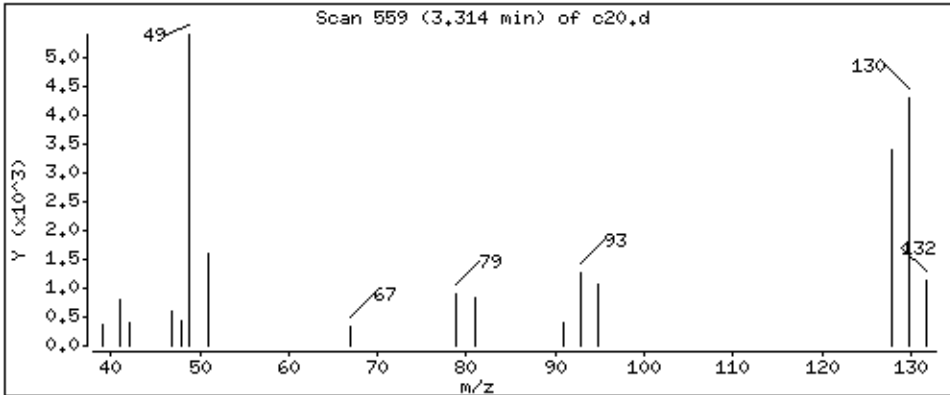
Column phase: DB-624

Column diameter: 0,18

29 Bromochloromethane

Concentration: 39,9 ppb

Review Code:



Date : 03-JUL-2014 08:15

Client ID: THW-6(2-4)MS

Instrument: 50mv3a.i

Sample Info: 1122066,71089;5

Operator: jlz

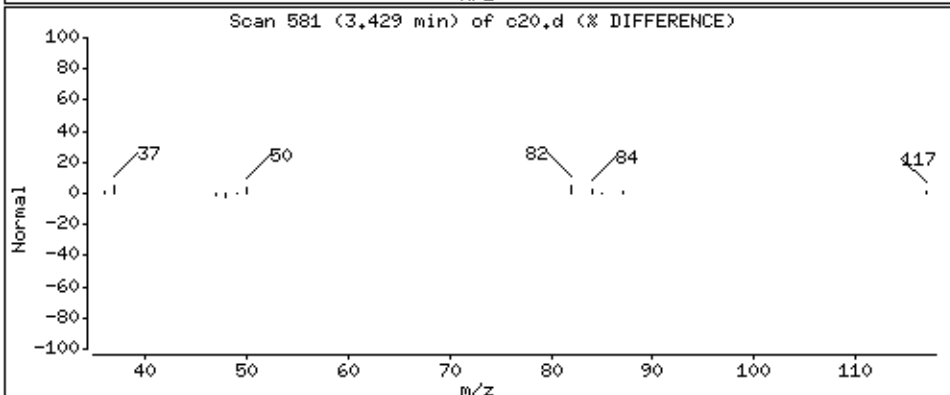
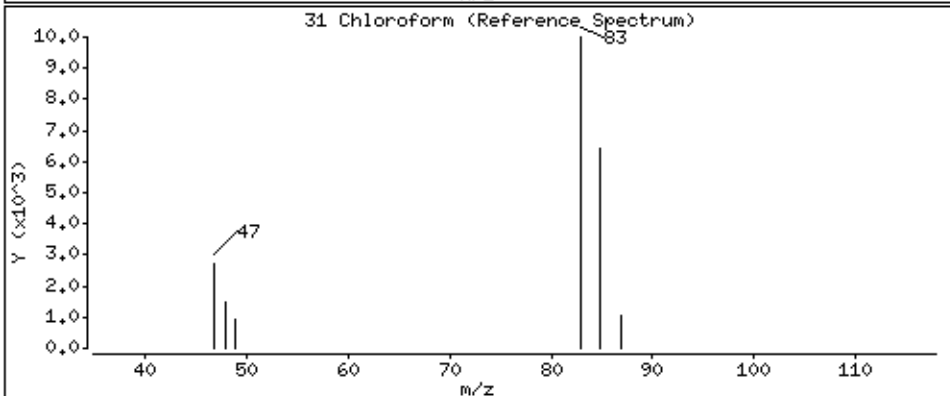
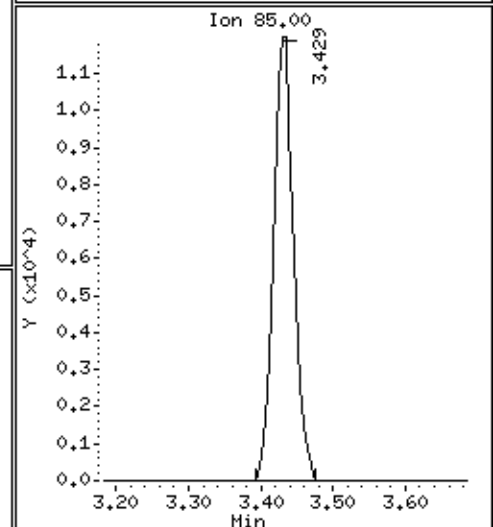
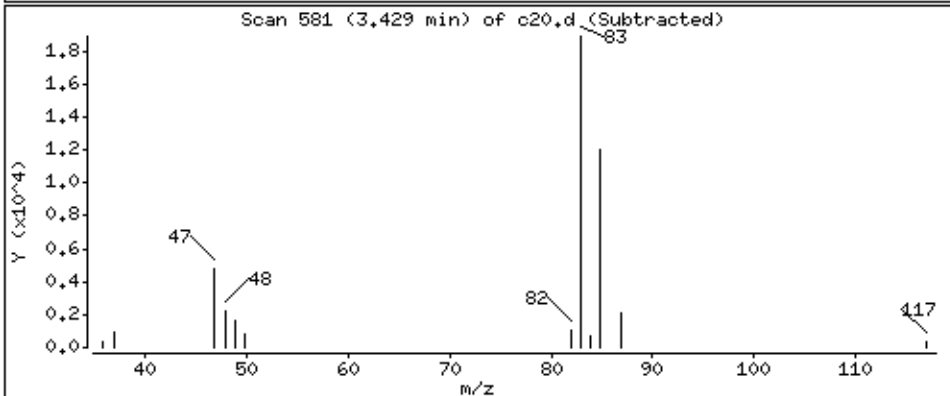
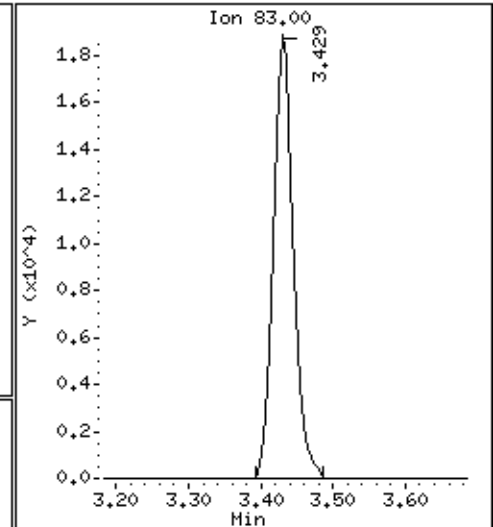
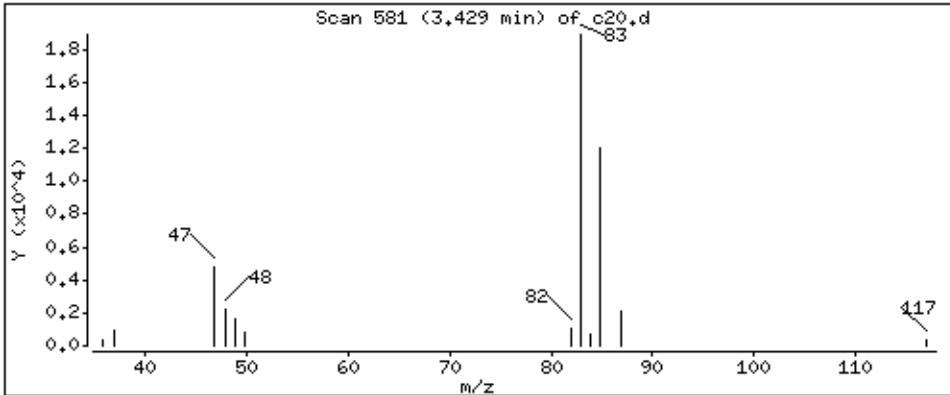
Column phase: DB-624

Column diameter: 0,18

31 Chloroform

Concentration: 44,6 ppb

Review Code:



Date : 03-JUL-2014 08:15

Client ID: THW-6(2-4)MS

Instrument: 50mv3a.i

Sample Info: 1122066,71089;5

Operator: jlz

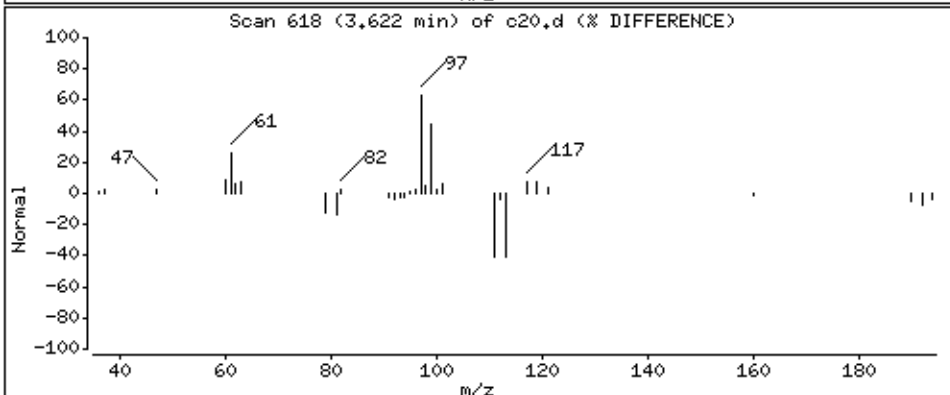
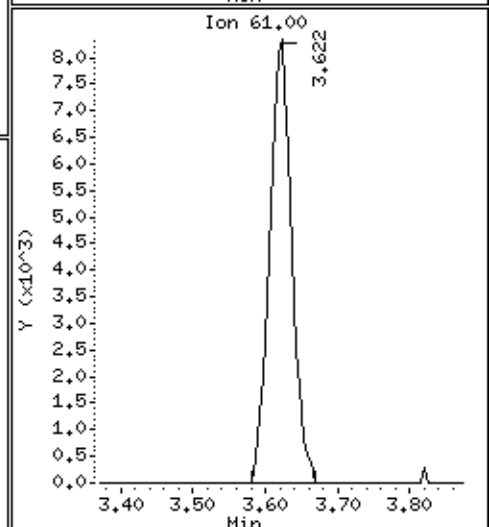
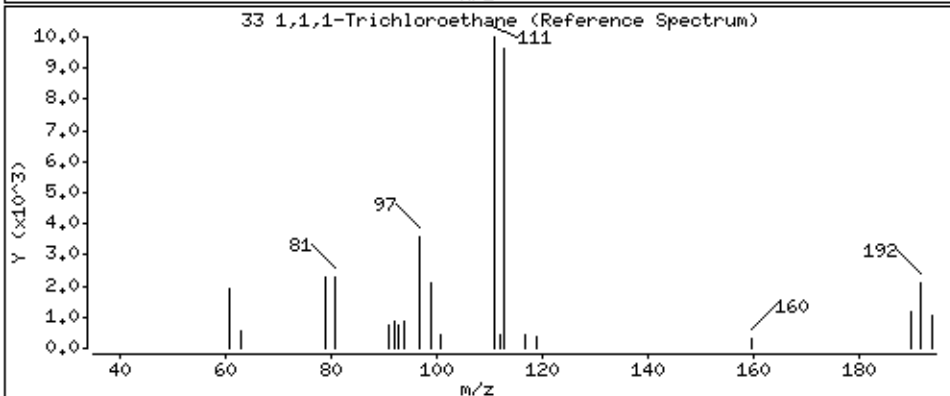
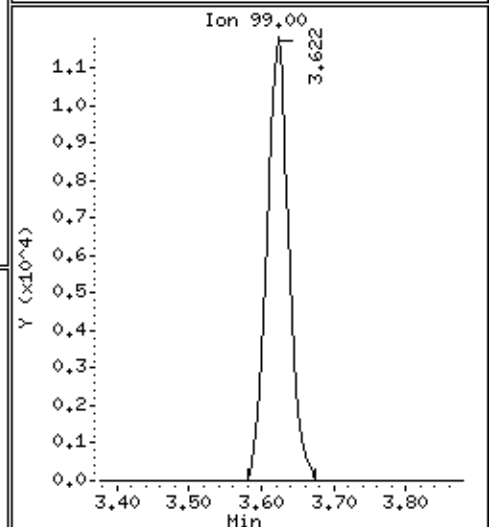
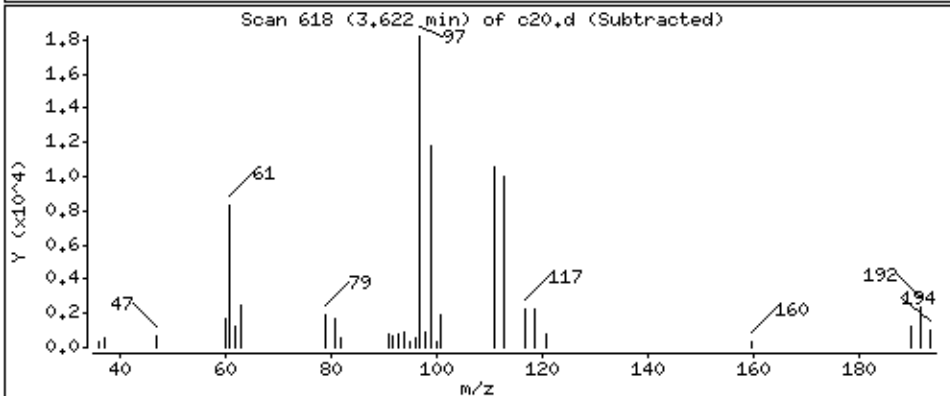
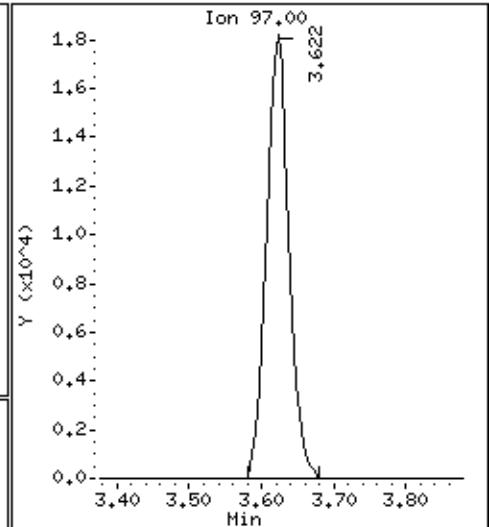
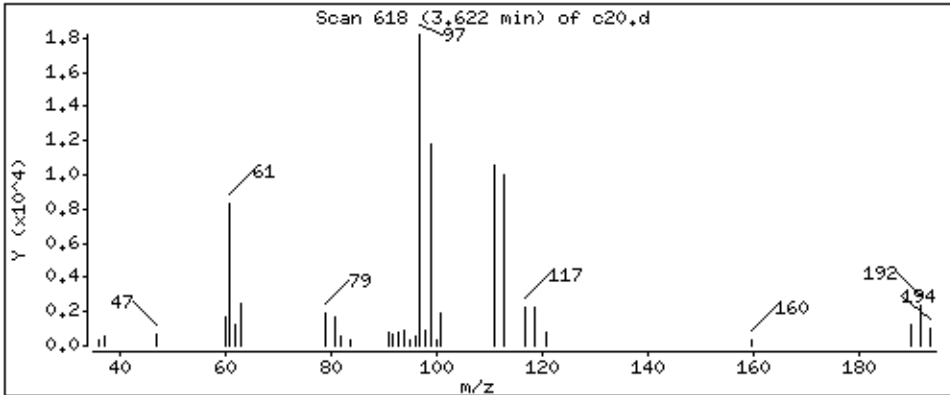
Column phase: DB-624

Column diameter: 0,18

33 1,1,1-Trichloroethane

Concentration: 54,2 ppb

Review Code:



Date : 03-JUL-2014 08:15

Client ID: THW-6(2-4)MS

Instrument: 50mv3a.i

Sample Info: 1122066,71089;5

Operator: jlz

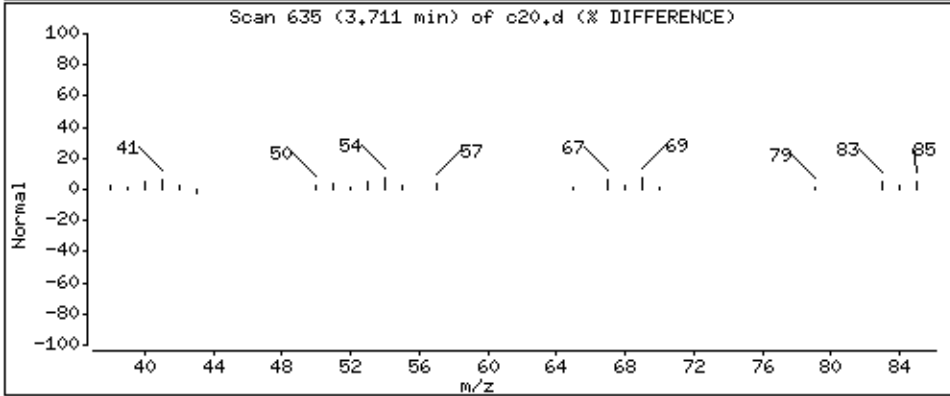
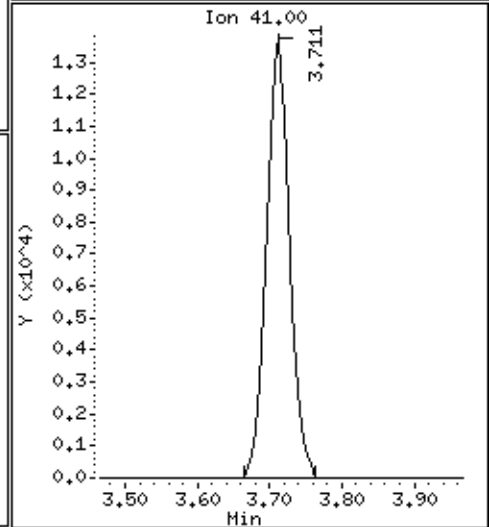
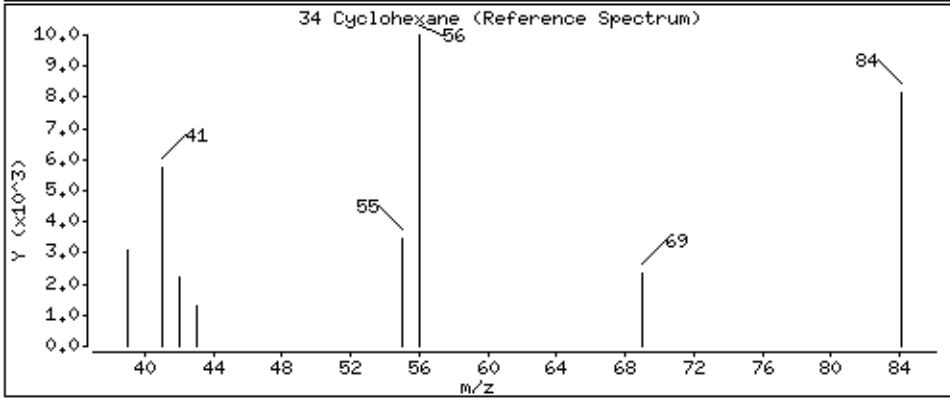
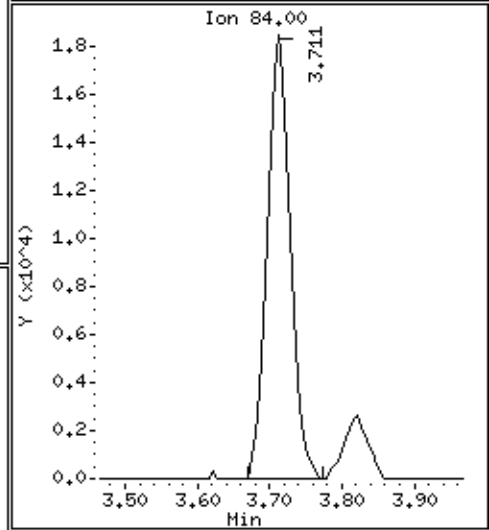
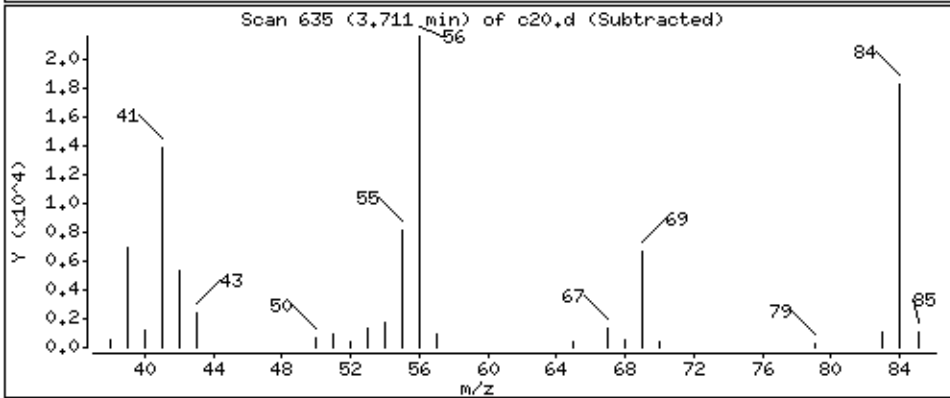
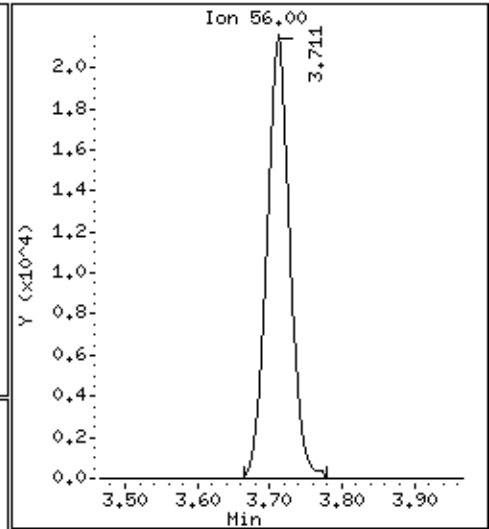
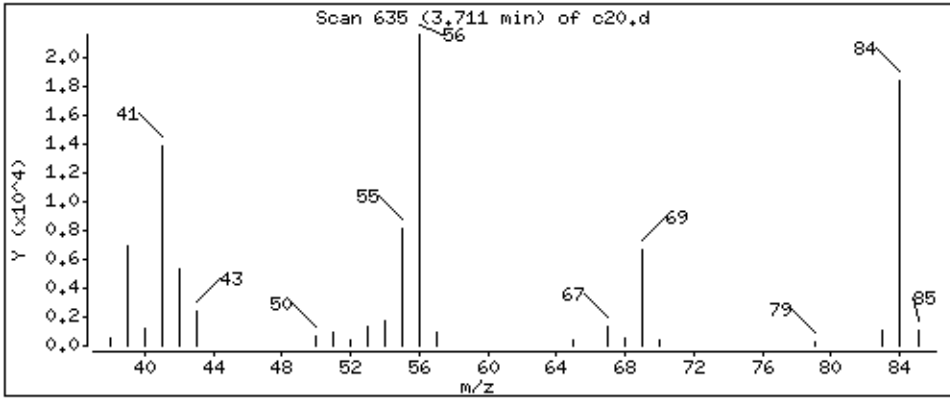
Column phase: DB-624

Column diameter: 0,18

34 Cyclohexane

Concentration: 56,7 ppb

Review Code:



Date : 03-JUL-2014 08:15

Client ID: THW-6(2-4)MS

Instrument: 50mw3a.i

Sample Info: 1122066,71089;5

Operator: jlz

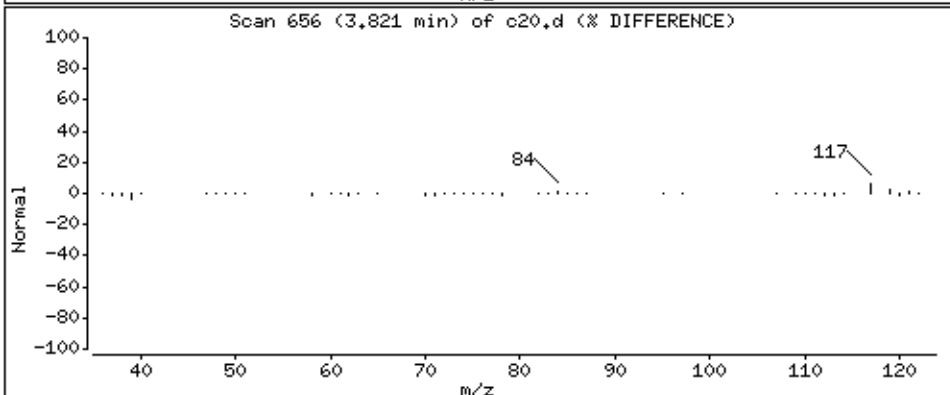
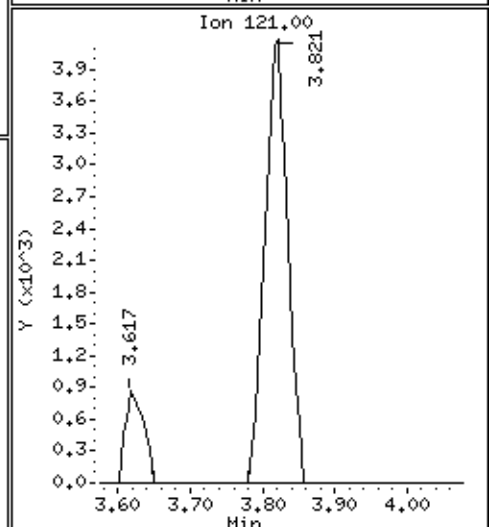
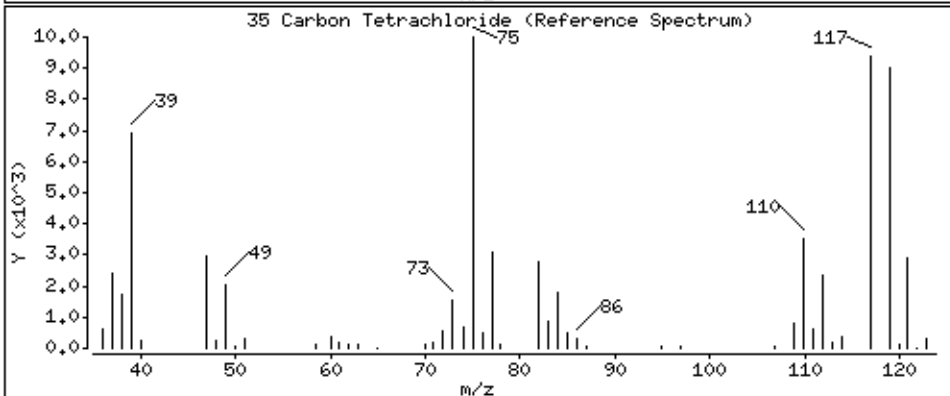
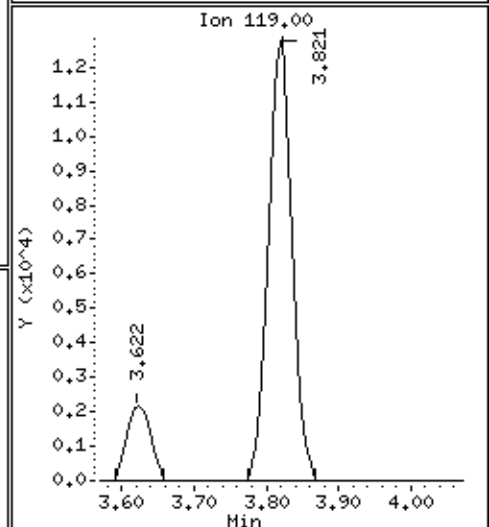
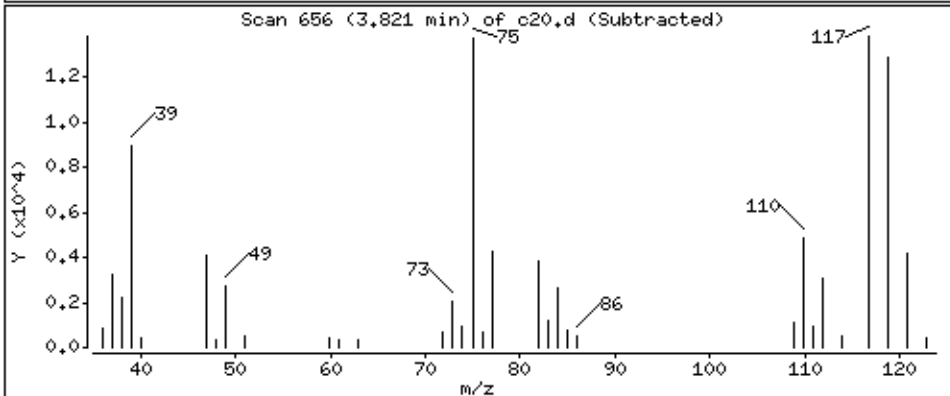
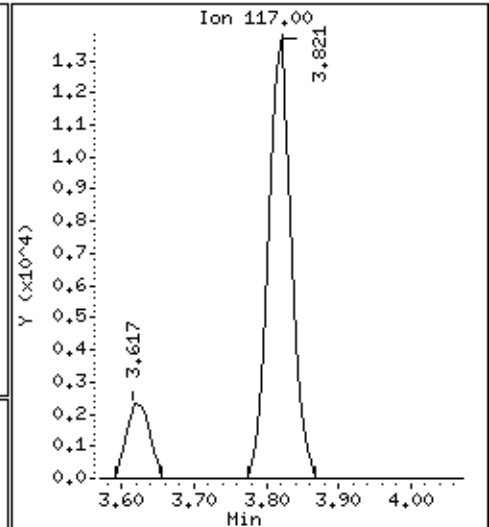
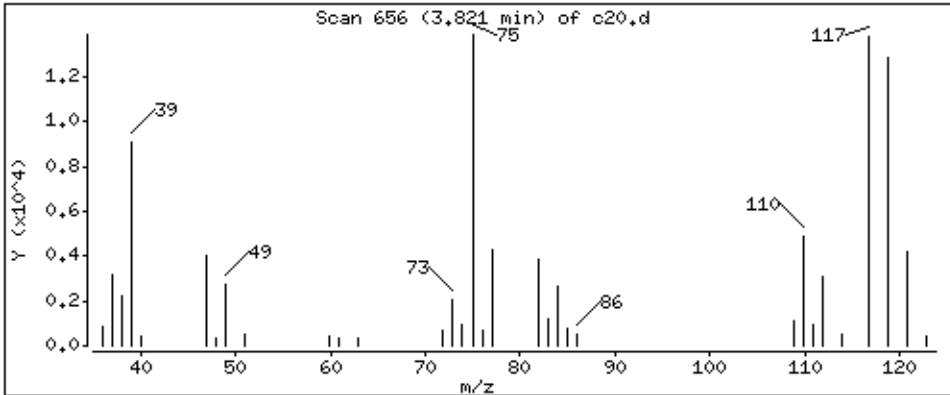
Column phase: DB-624

Column diameter: 0,18

35 Carbon Tetrachloride

Concentration: 50,2 ppb

Review Code:



Date : 03-JUL-2014 08:15

Client ID: THW-6(2-4)MS

Instrument: 50mw3a.i

Sample Info: 1122066,71089;5

Operator: jlz

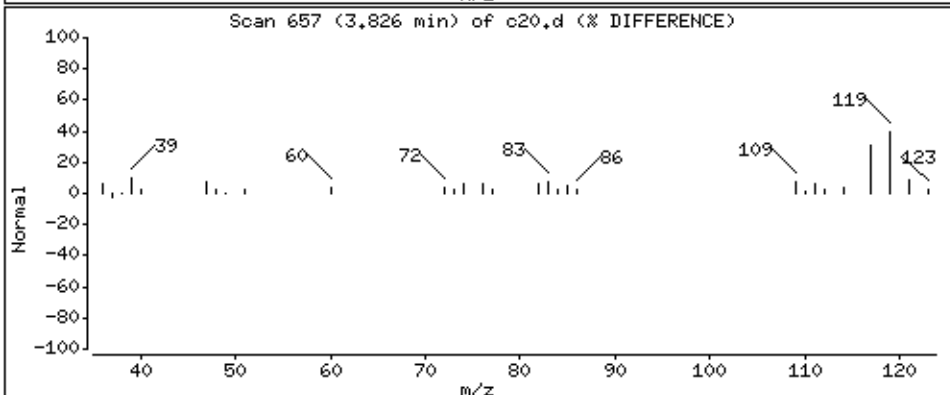
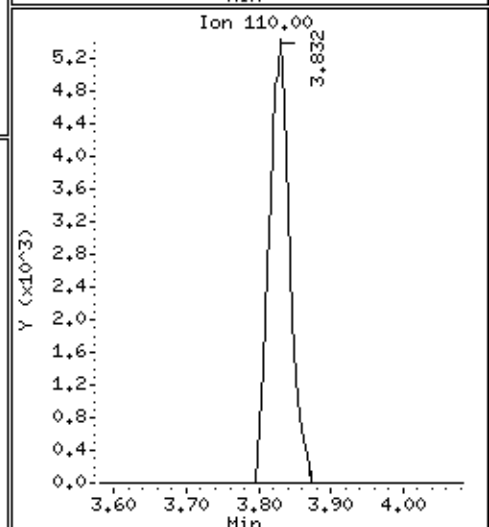
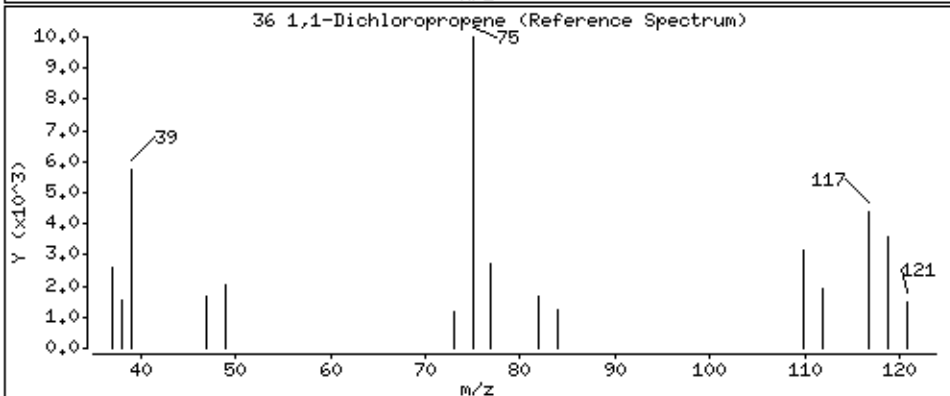
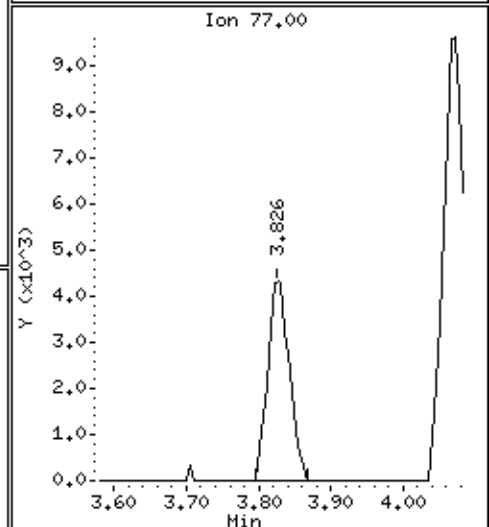
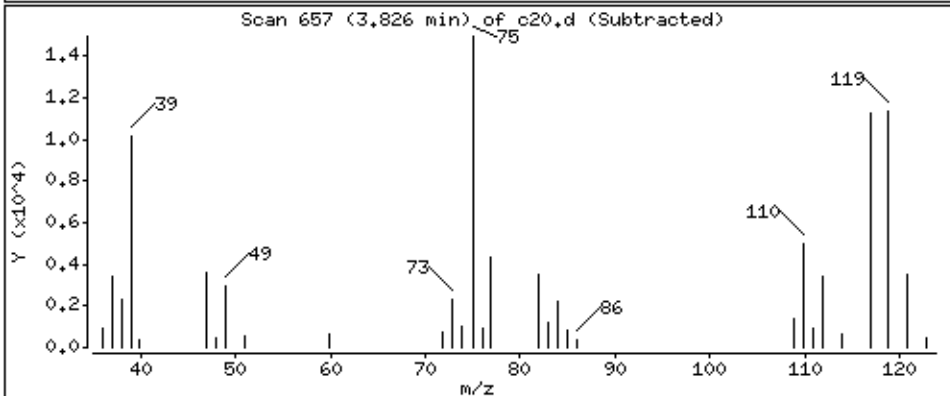
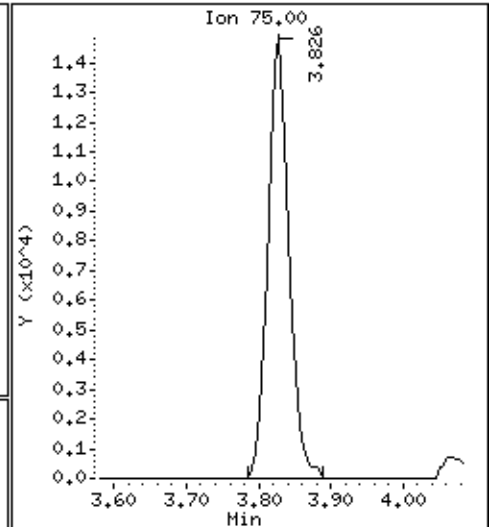
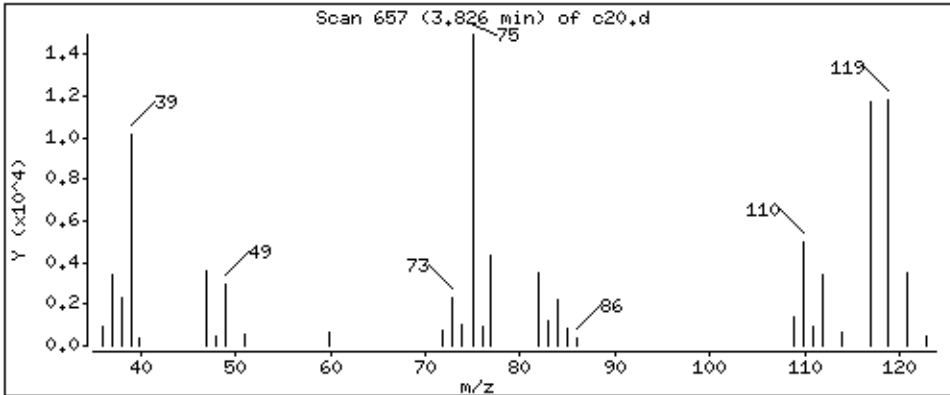
Column phase: DB-624

Column diameter: 0,18

36 1,1-Dichloropropene

Concentration: 42.1 ppb

Review Code:



Date : 03-JUL-2014 08:15

Client ID: THW-6(2-4)MS

Instrument: 50mv3a.i

Sample Info: 1122066,71089;5

Operator: jlz

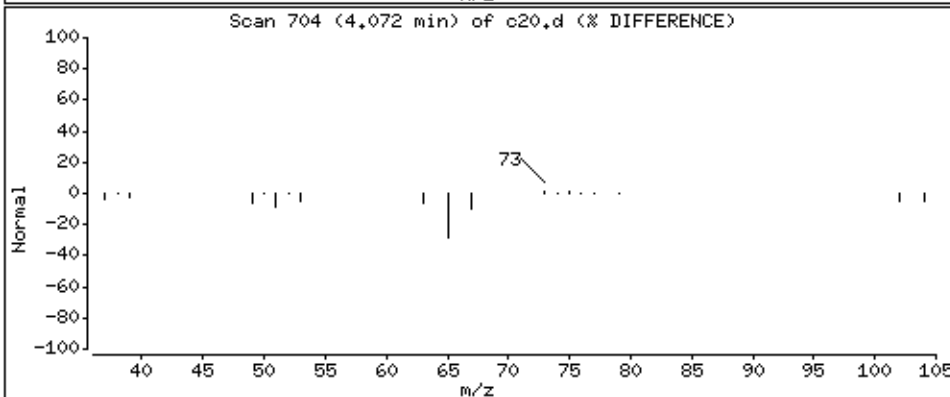
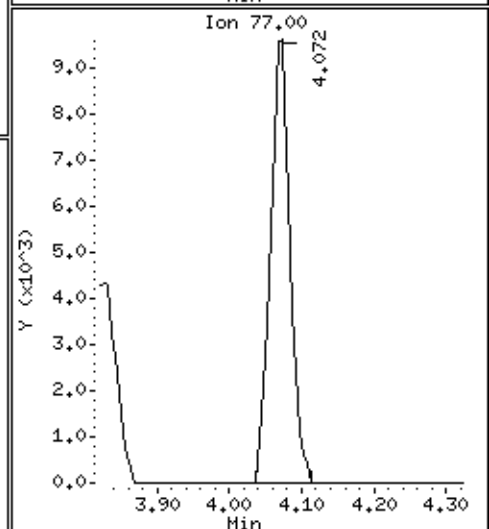
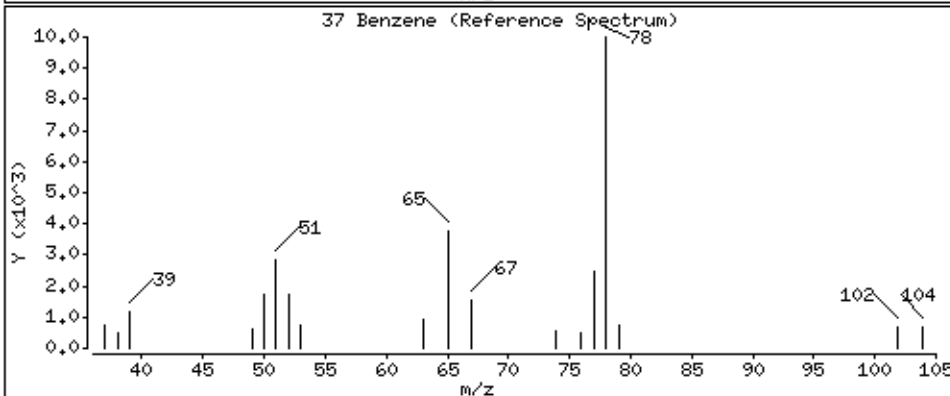
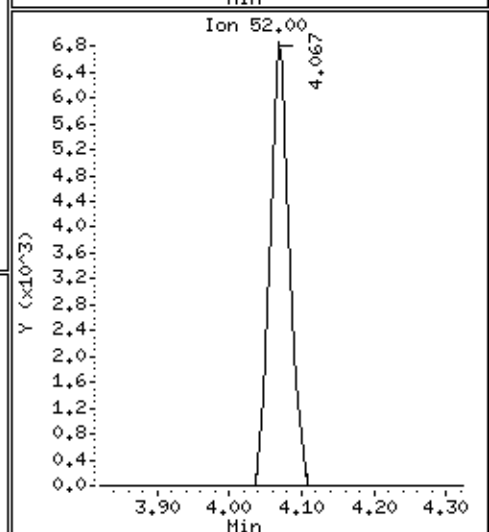
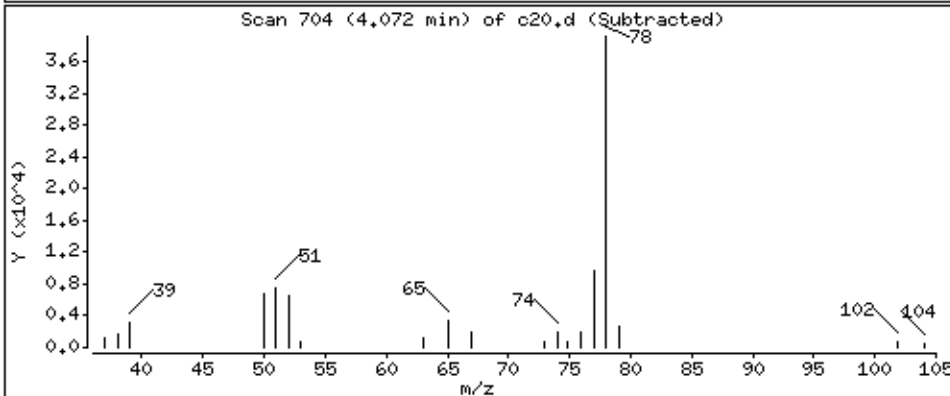
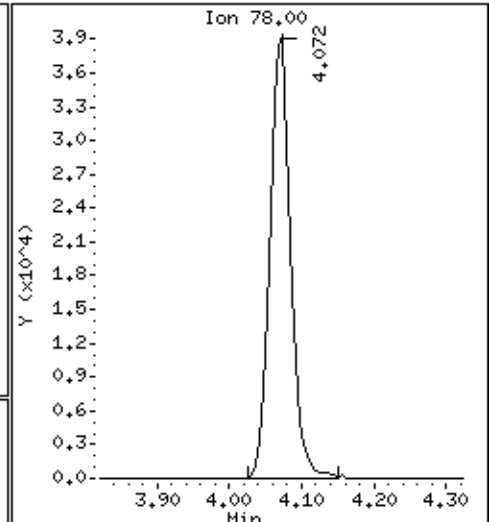
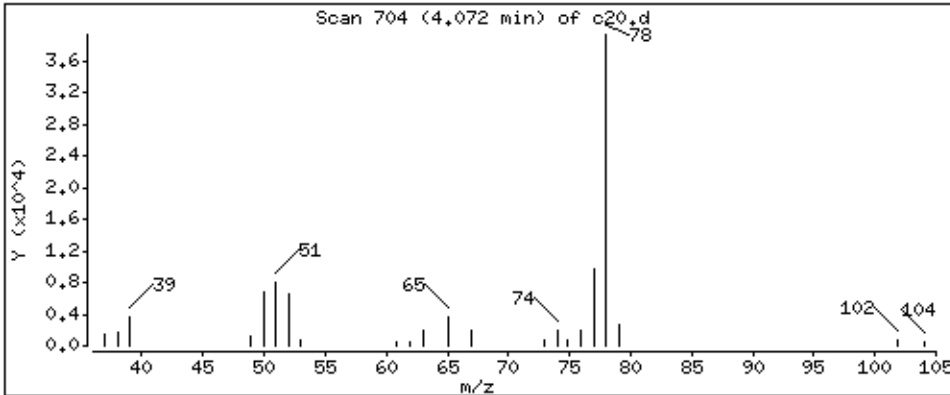
Column phase: DB-624

Column diameter: 0,18

37 Benzene

Concentration: 43,8 ppb

Review Code:



Date : 03-JUL-2014 08:15

Client ID: THW-6(2-4)MS

Instrument: 50mv3a.i

Sample Info: 1122066,71089;5

Operator: jlz

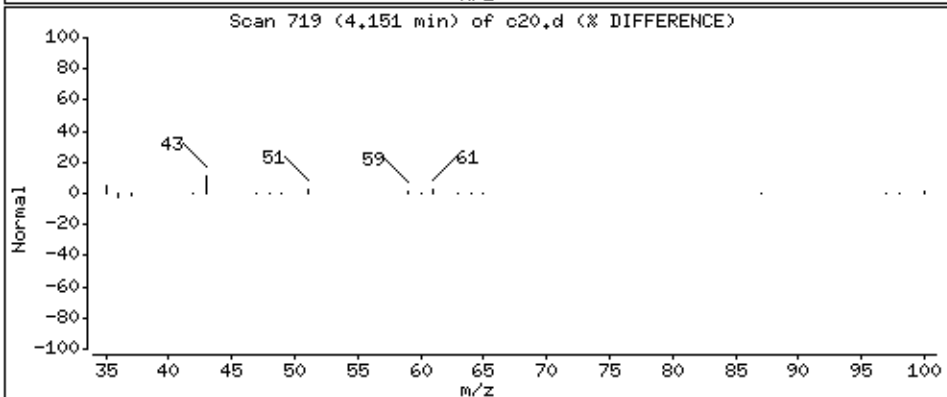
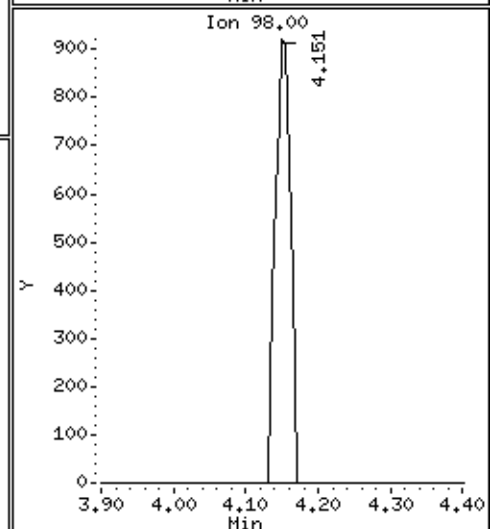
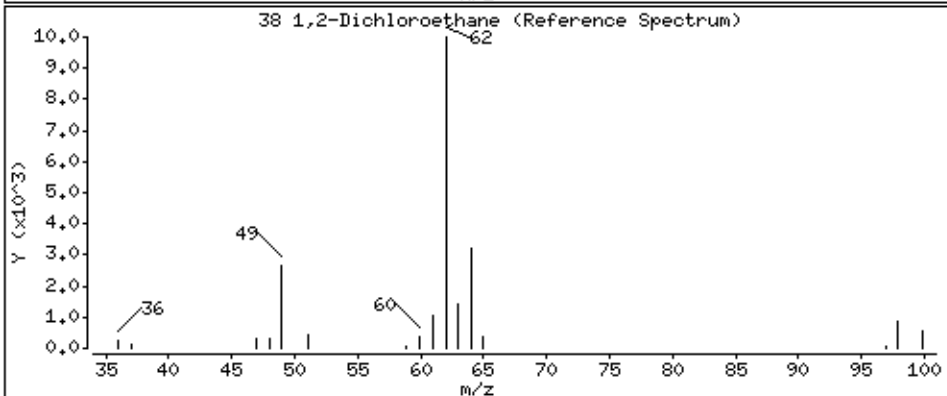
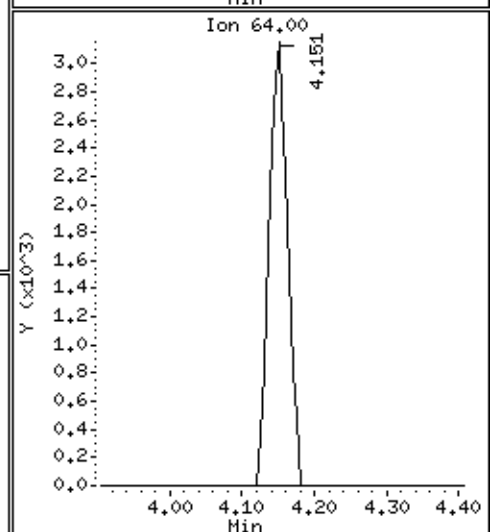
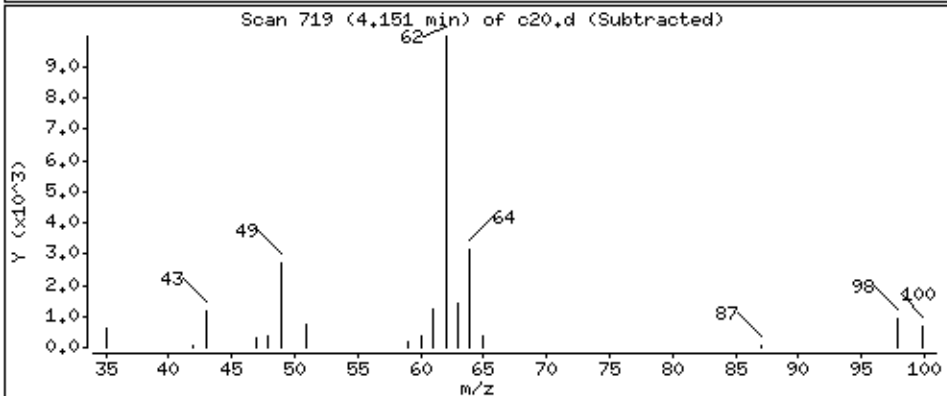
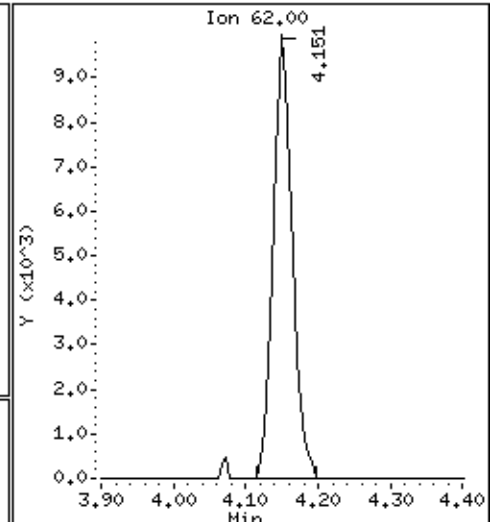
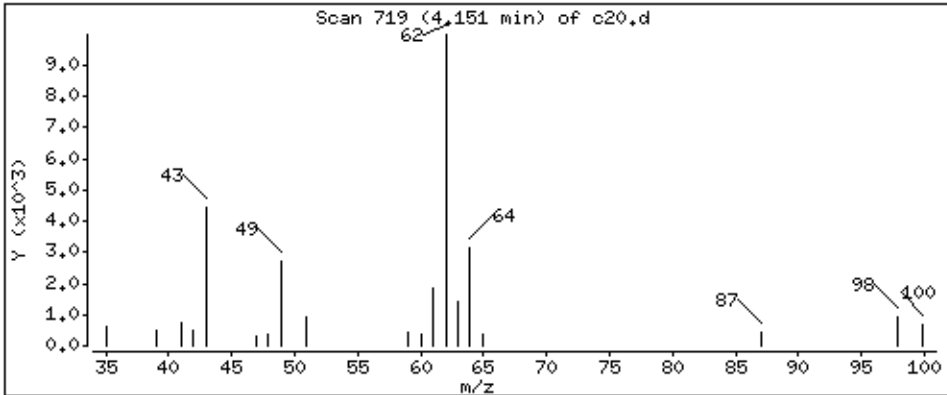
Column phase: DB-624

Column diameter: 0,18

38 1,2-Dichloroethane

Concentration: 36,1 ppb

Review Code:



Date : 03-JUL-2014 08:15

Client ID: THW-6(2-4)MS

Instrument: 50mv3a.i

Sample Info: 1122066,71089;5

Operator: jlz

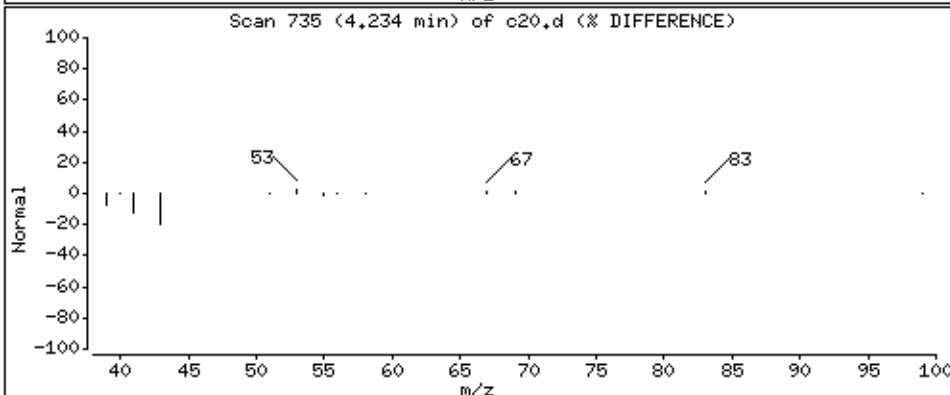
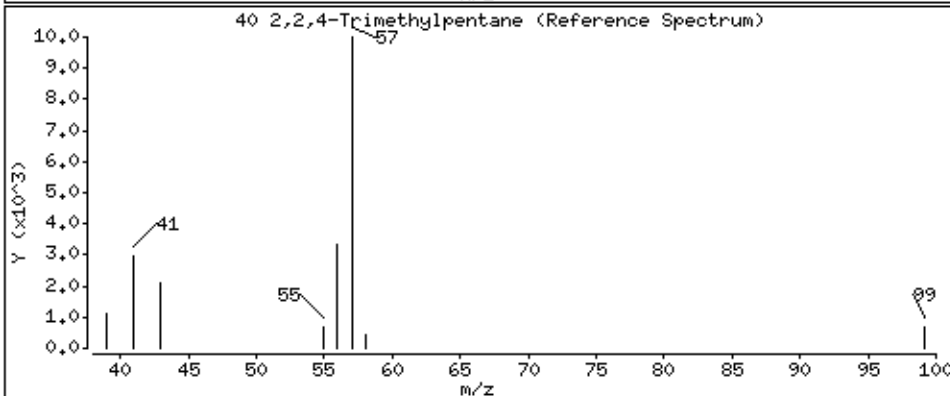
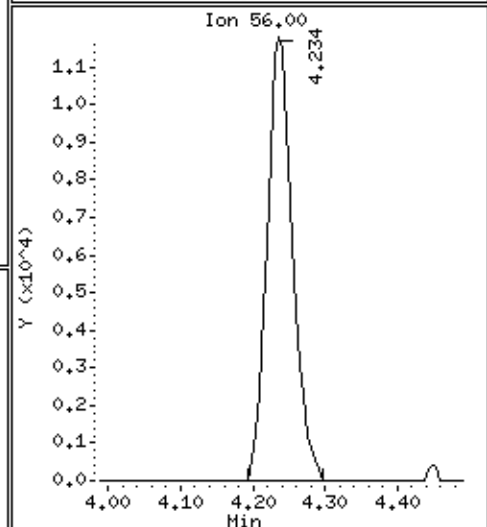
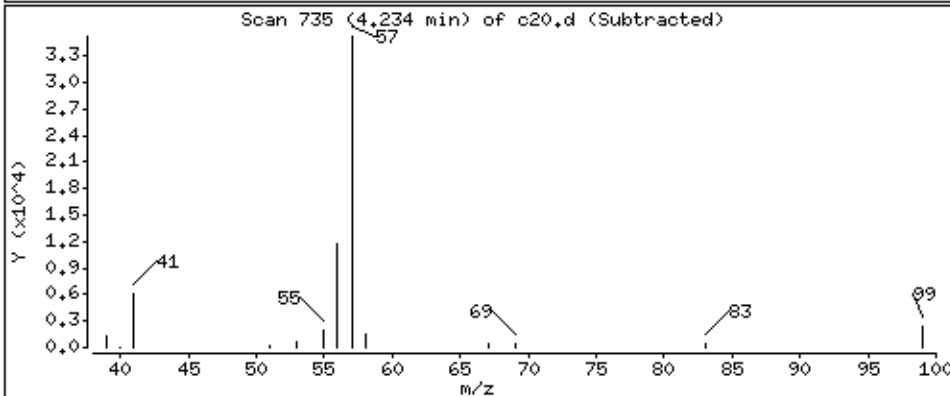
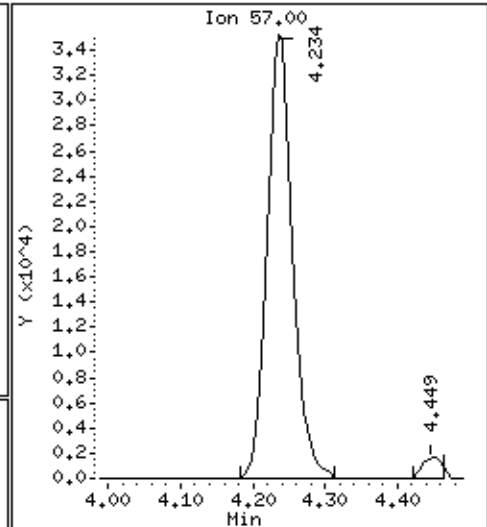
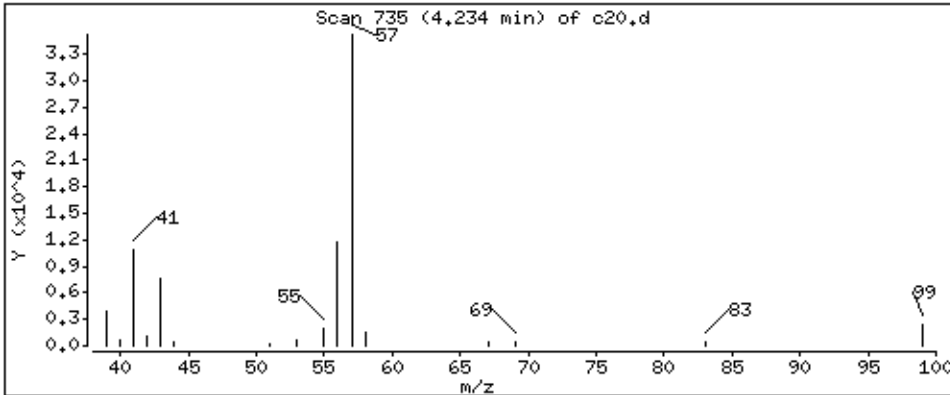
Column phase: DB-624

Column diameter: 0,18

40 2,2,4-Trimethylpentane

Concentration: 41.9 ppb

Review Code:



Date : 03-JUL-2014 08:15

Client ID: THW-6(2-4)MS

Instrument: 50mv3a.i

Sample Info: 1122066_71089_5

Operator: jlz

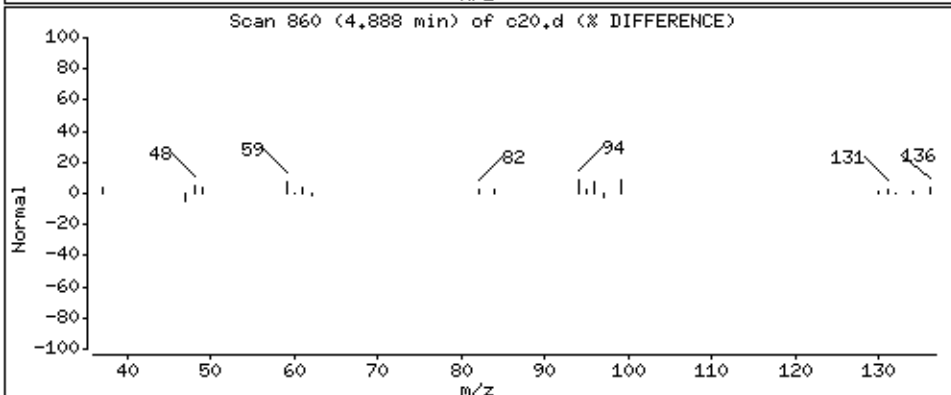
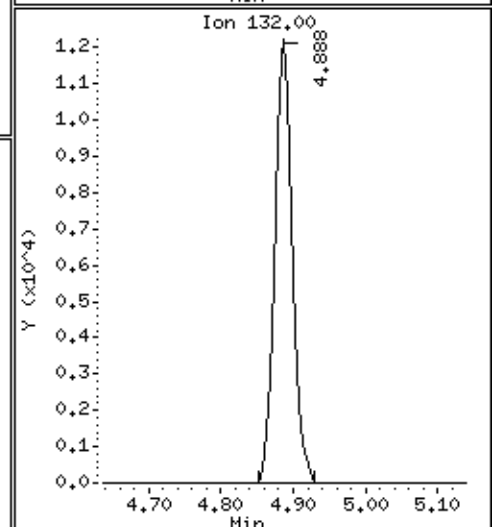
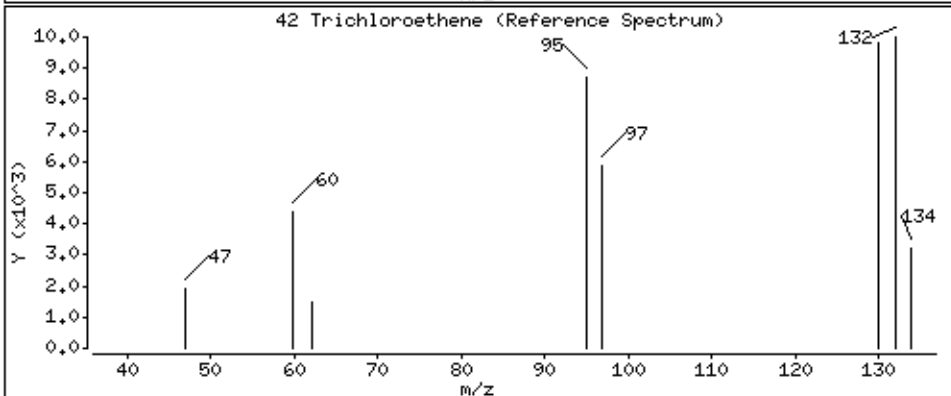
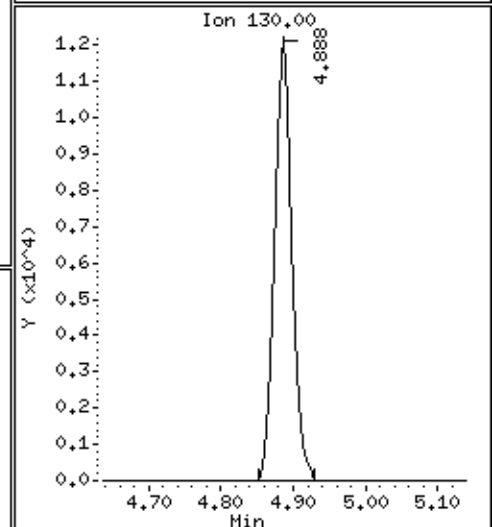
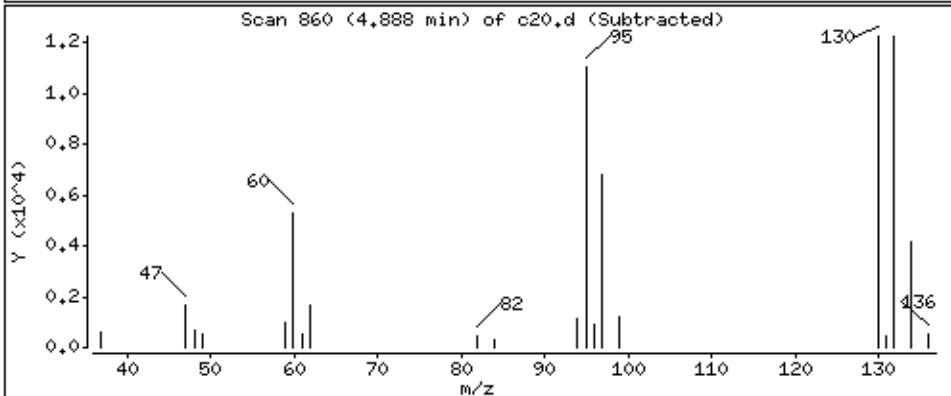
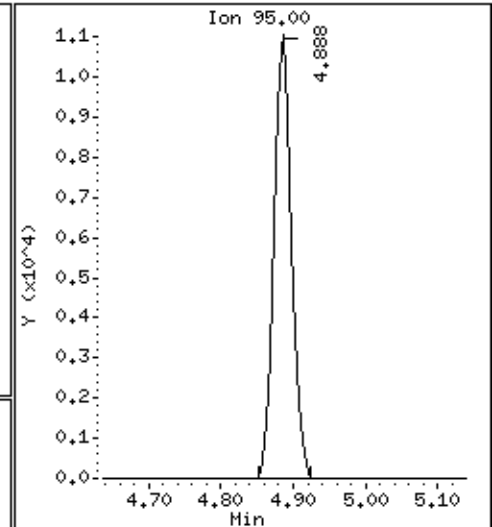
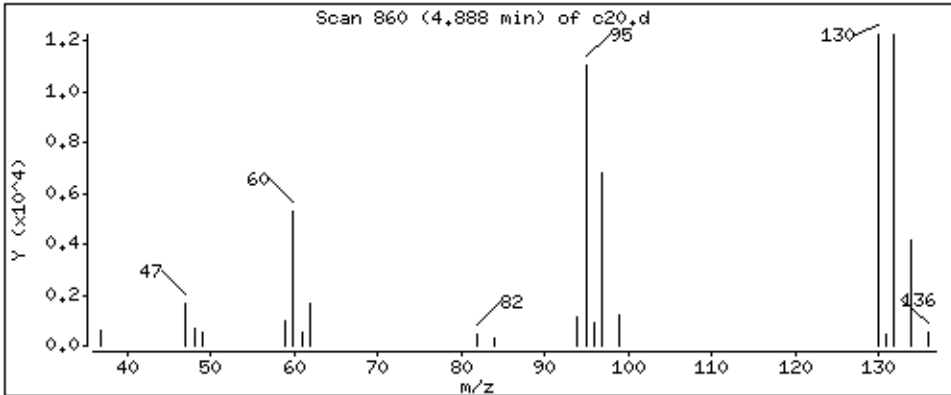
Column phase: DB-624

Column diameter: 0,18

42 Trichloroethene

Concentration: 38,9 ppb

Review Code:



Date : 03-JUL-2014 08:15

Client ID: THW-6(2-4)MS

Instrument: 50mv3a.i

Sample Info: 1122066,71089;5

Operator: jlz

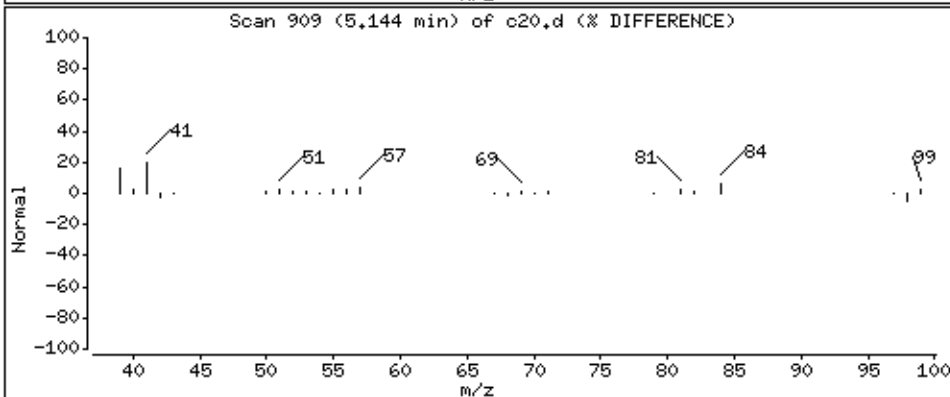
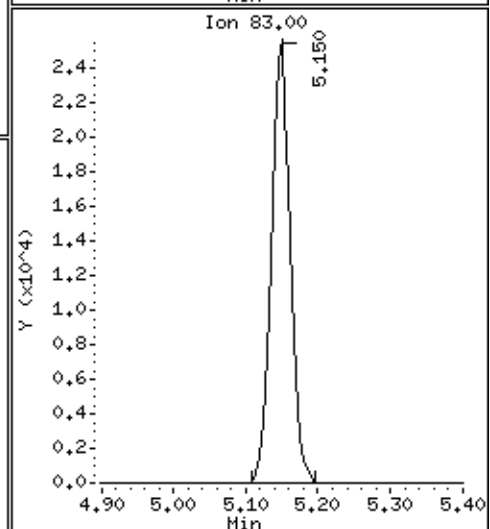
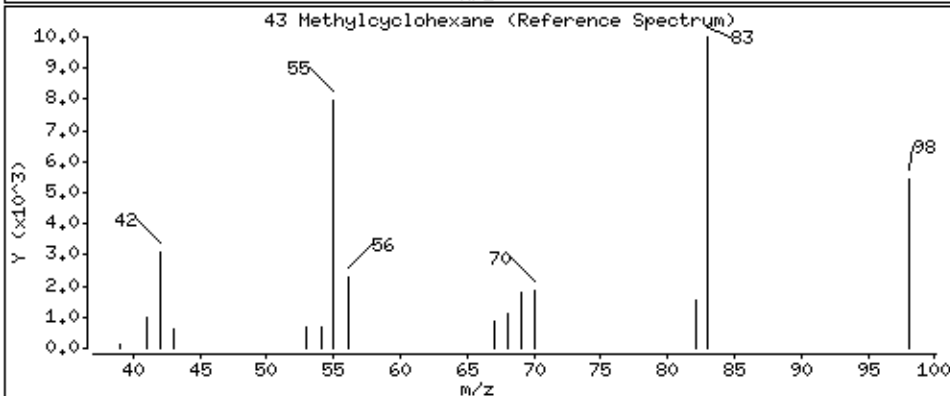
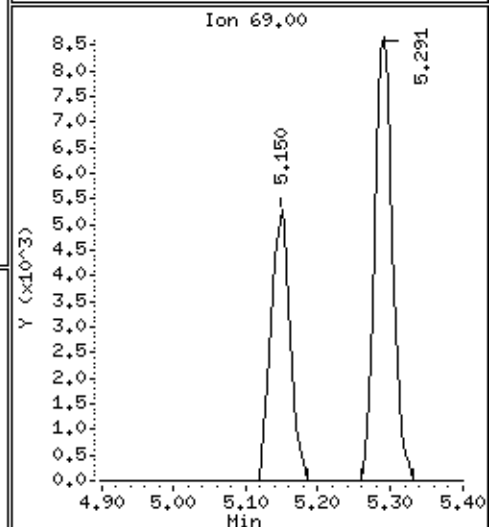
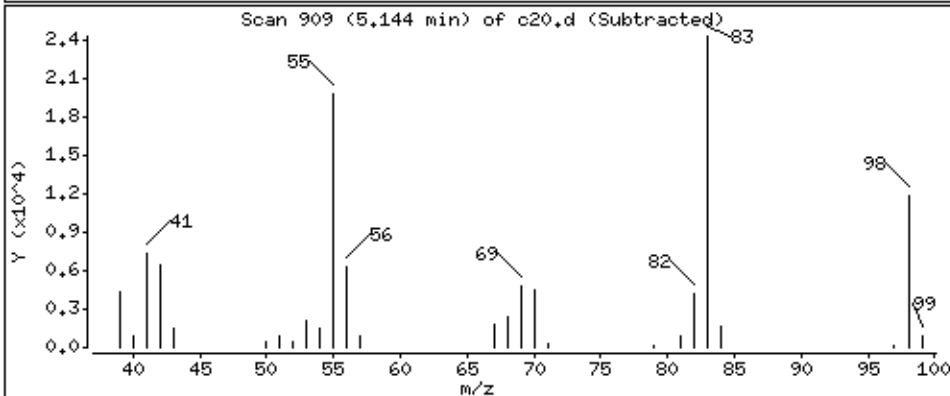
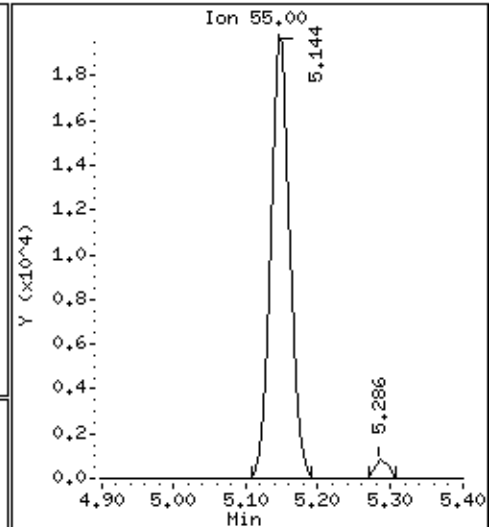
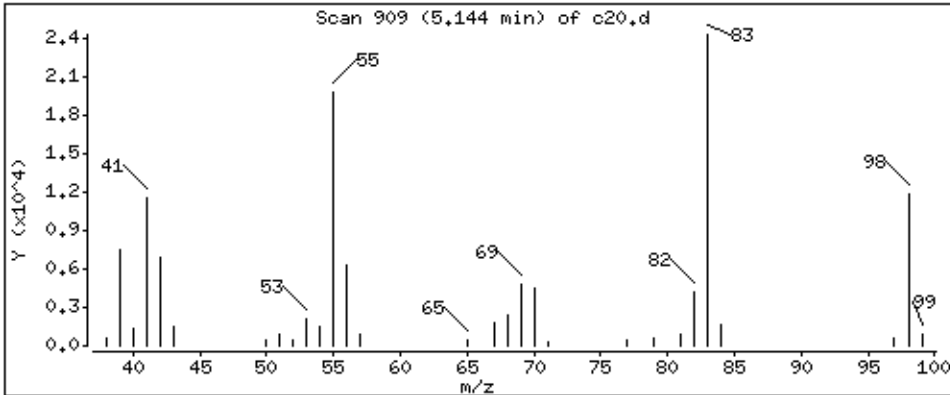
Column phase: DB-624

Column diameter: 0,18

43 Methylcyclohexane

Concentration: 51.2 ppb

Review Code:



Date : 03-JUL-2014 08:15

Client ID: THW-6(2-4)MS

Instrument: 50mv3a.i

Sample Info: 1122066,71089;5

Operator: jlz

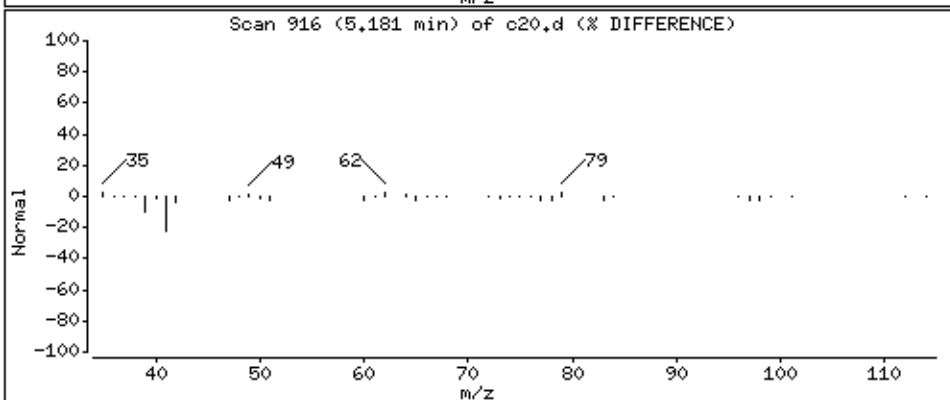
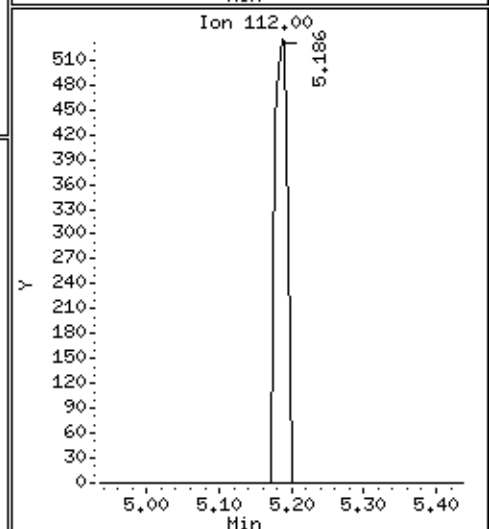
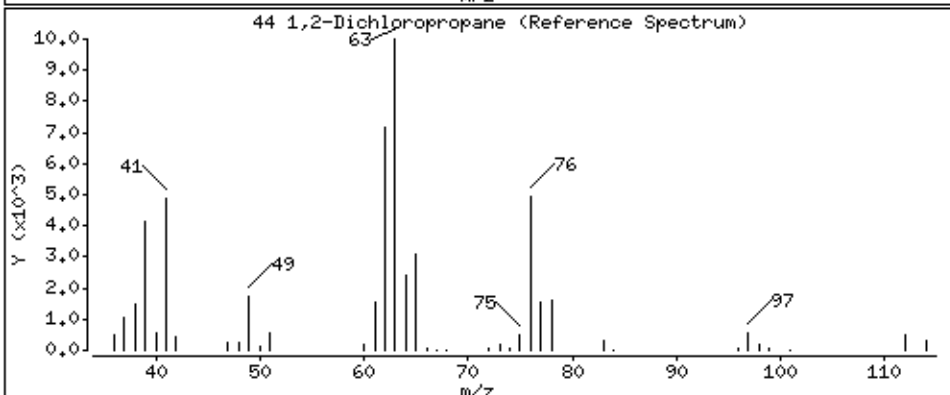
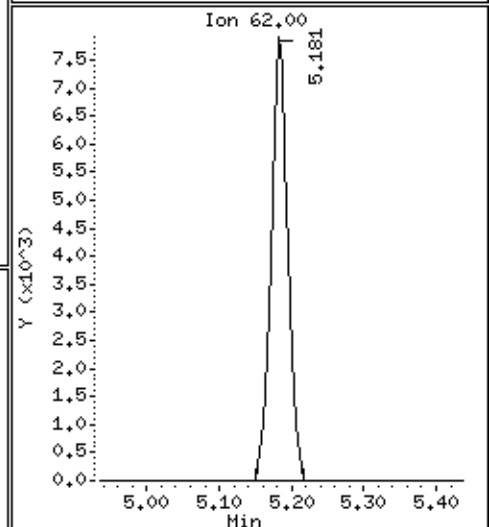
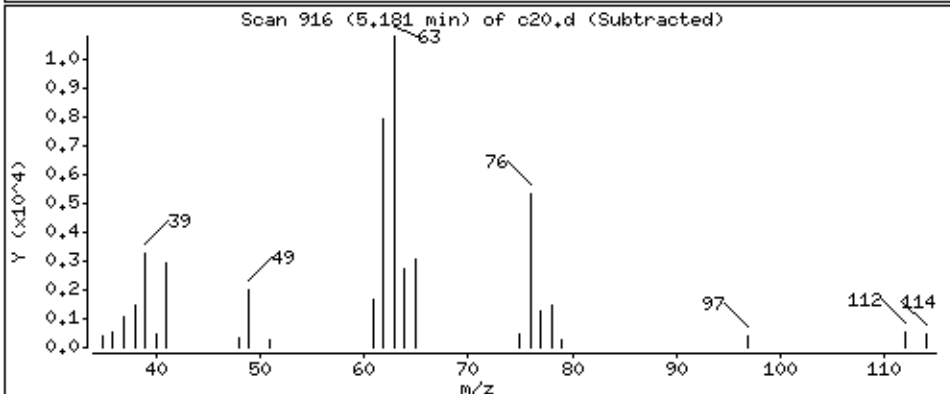
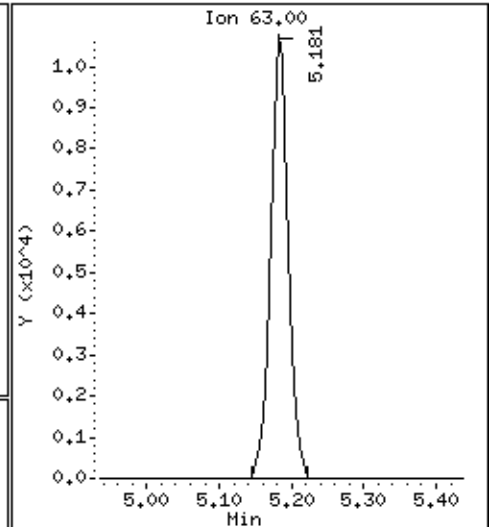
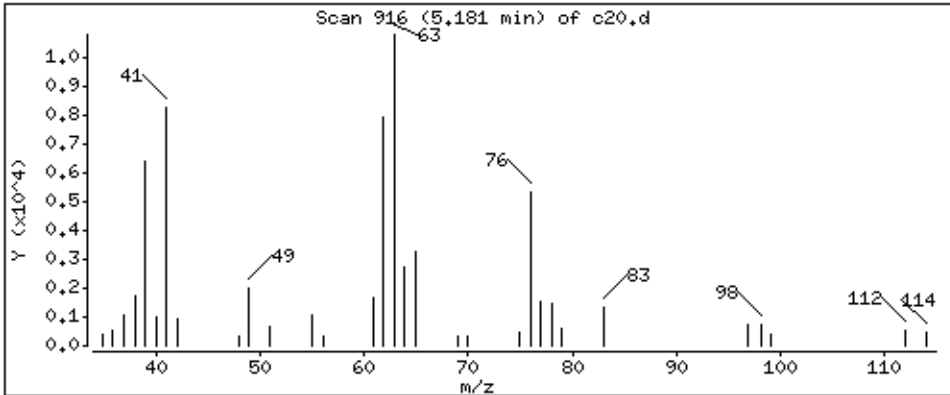
Column phase: DB-624

Column diameter: 0,18

44 1,2-Dichloropropane

Concentration: 44,4 ppb

Review Code:



Date : 03-JUL-2014 08:15

Client ID: THW-6(2-4)MS

Instrument: 50mw3a.i

Sample Info: 1122066,71089;5

Operator: jlz

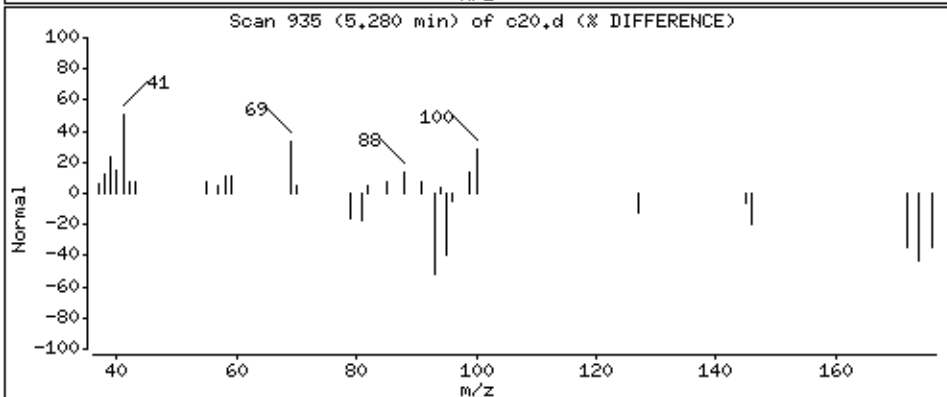
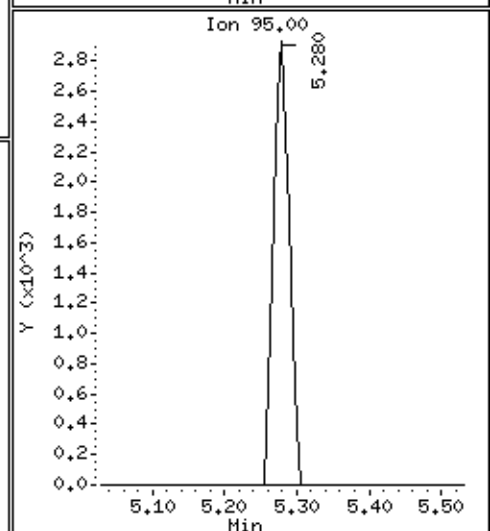
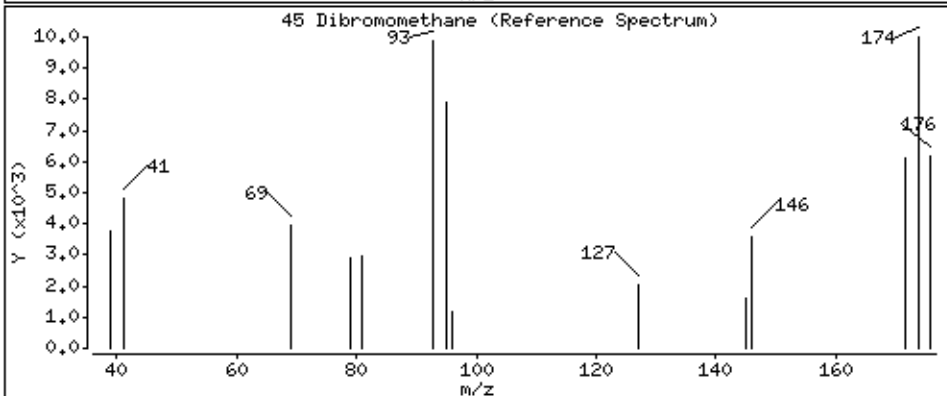
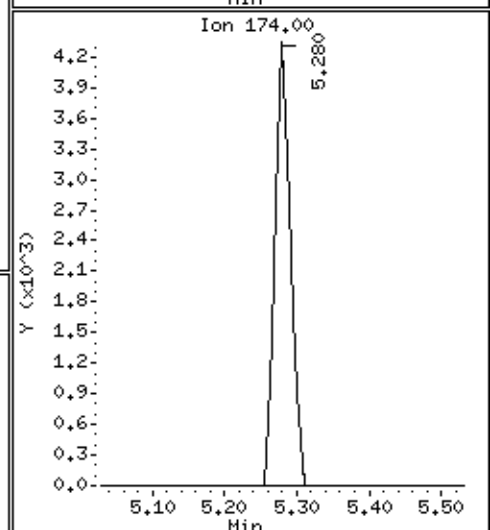
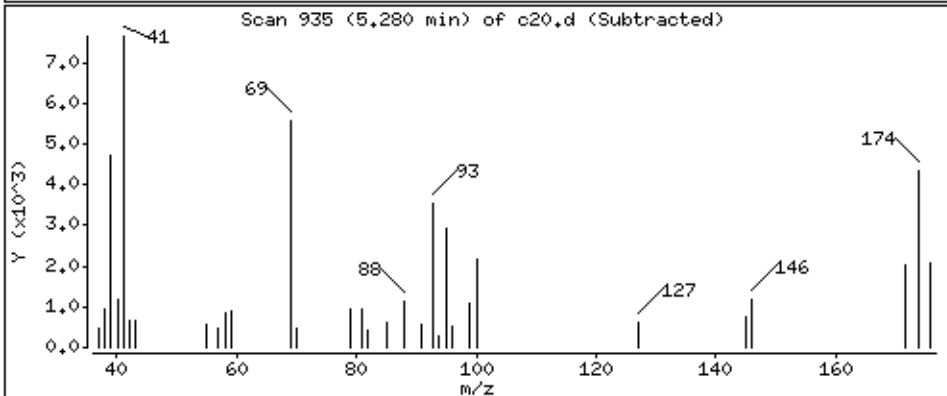
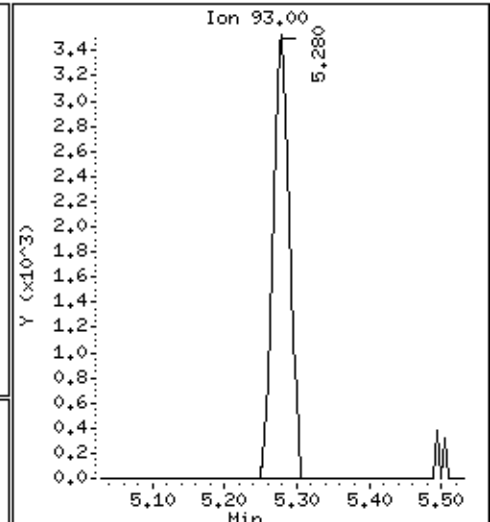
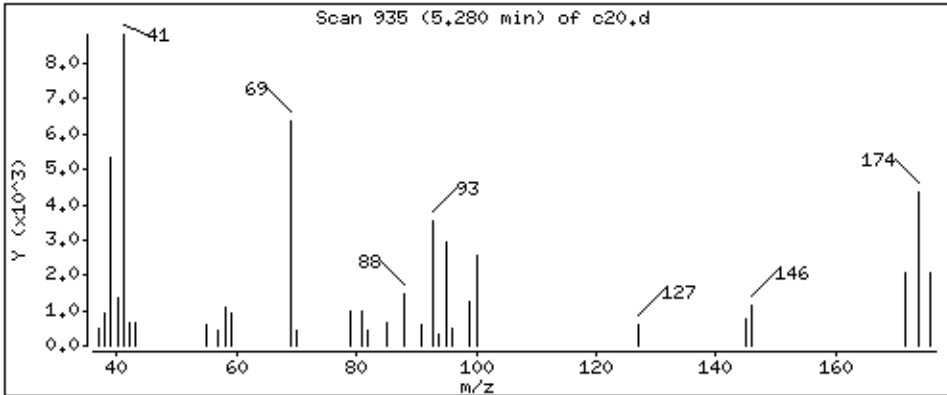
Column phase: DB-624

Column diameter: 0,18

45 Dibromomethane

Concentration: 31,6 ppb

Review Code:



Date : 03-JUL-2014 08:15

Client ID: THW-6(2-4)MS

Instrument: 50mv3a.i

Sample Info: 1122066,71089;5

Operator: jlz

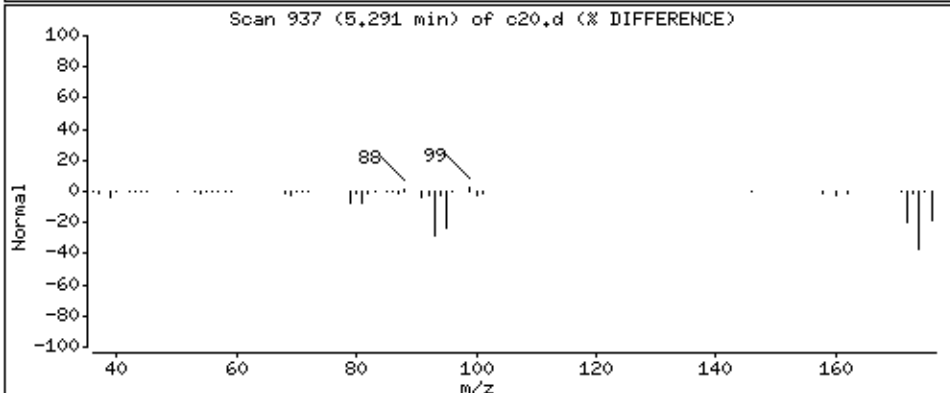
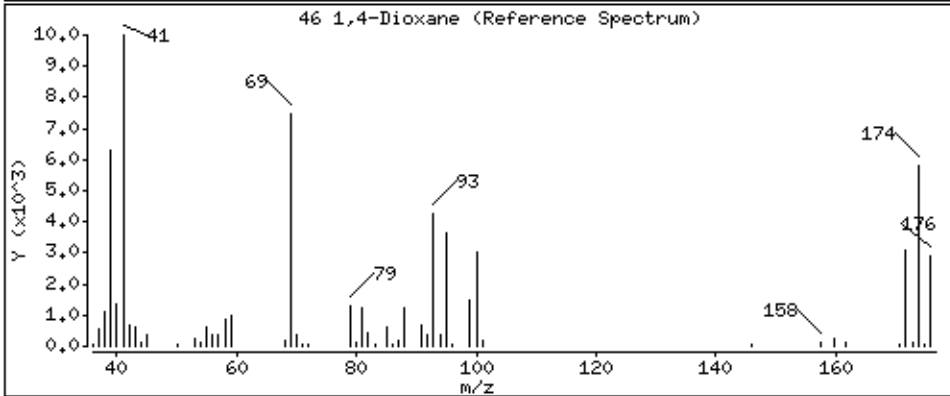
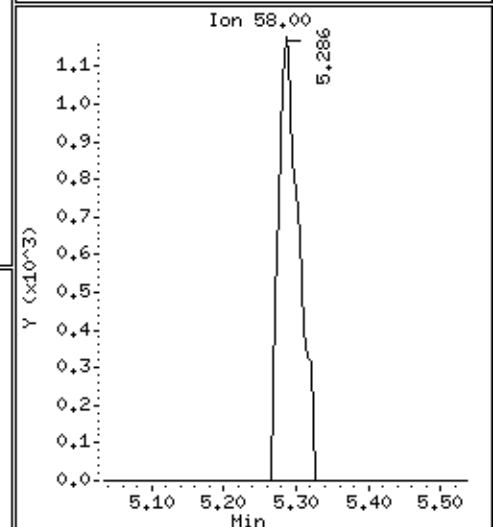
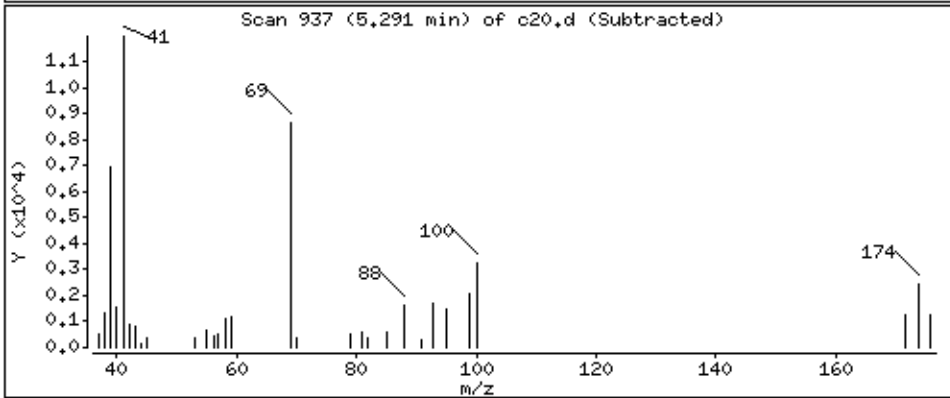
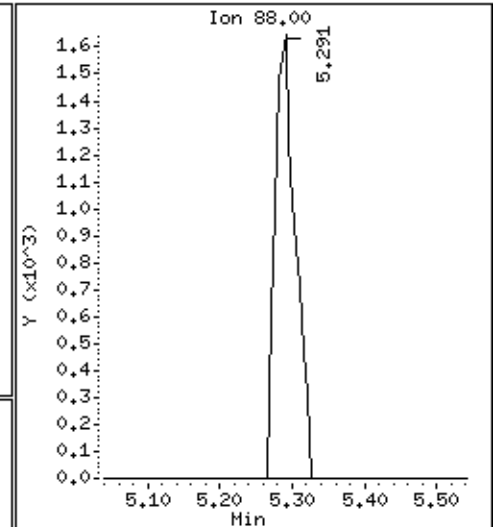
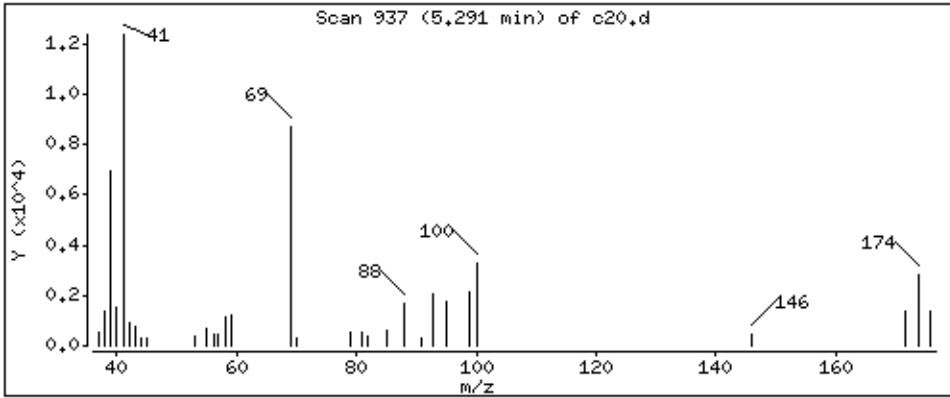
Column phase: DB-624

Column diameter: 0,18

46 1,4-Dioxane

Concentration: 1180 ppb

Review Code:



Date : 03-JUL-2014 08:15

Client ID: THW-6(2-4)MS

Instrument: 50mv3a.i

Sample Info: 1122066,71089;5

Operator: jlz

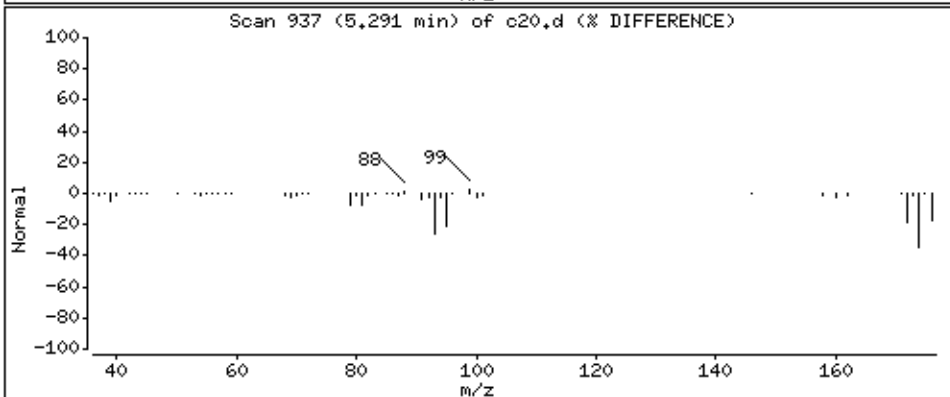
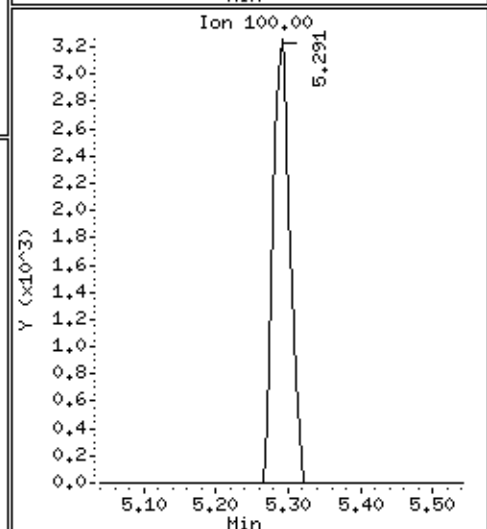
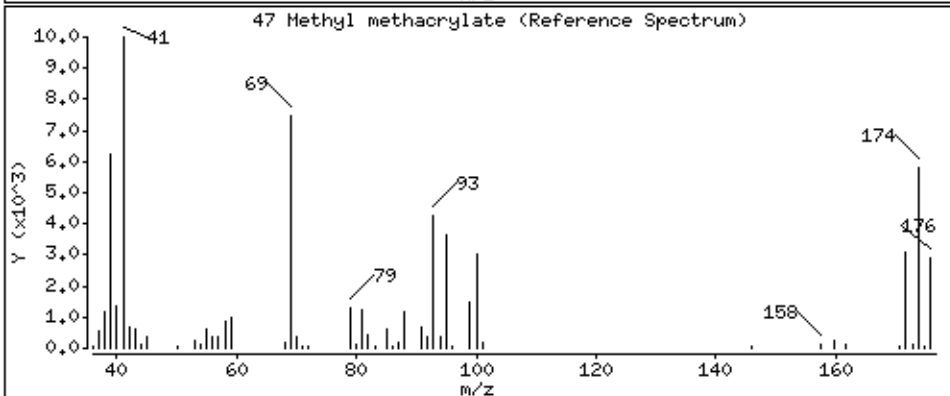
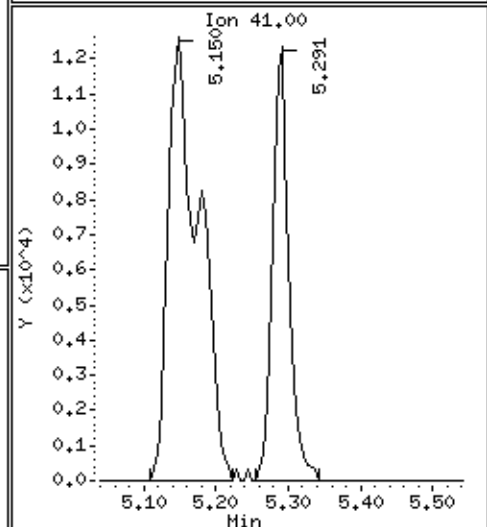
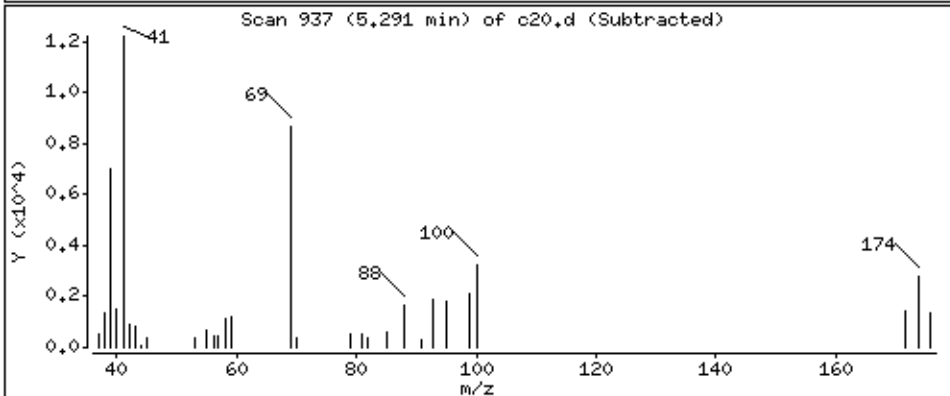
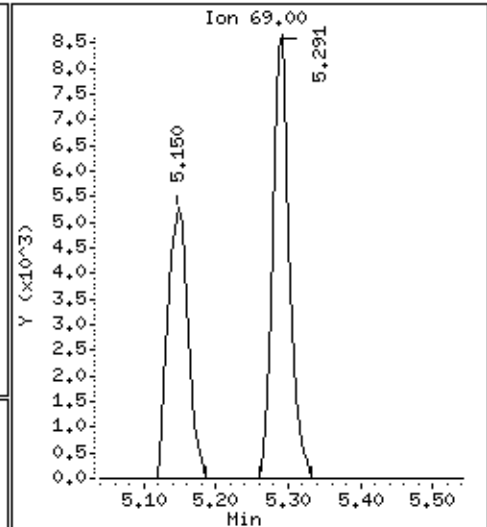
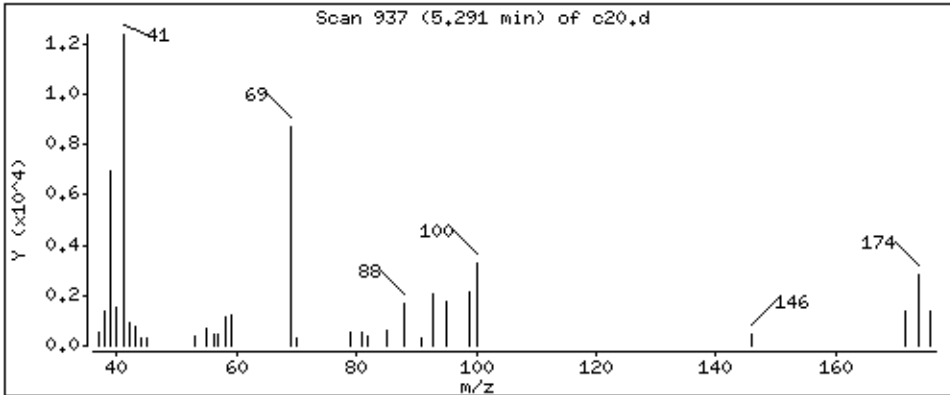
Column phase: DB-624

Column diameter: 0,18

47 Methyl methacrylate

Concentration: 69,7 ppb

Review Code:



Date : 03-JUL-2014 08:15

Client ID: THW-6(2-4)MS

Instrument: 50mv3a.i

Sample Info: 1122066,71089;5

Operator: jlz

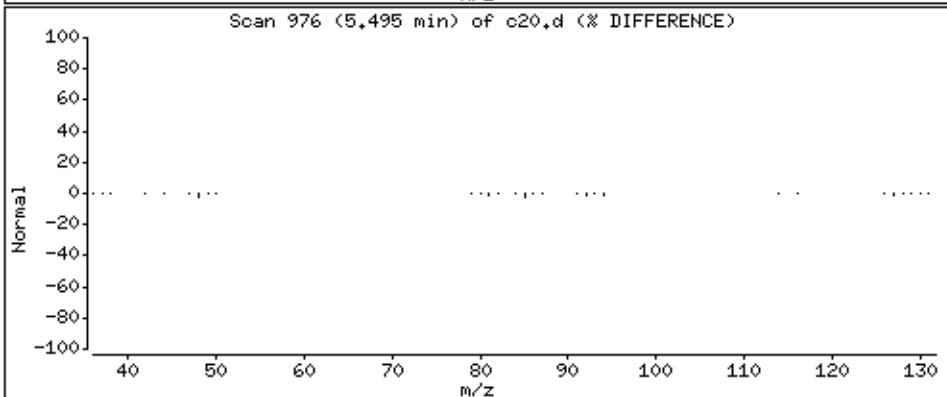
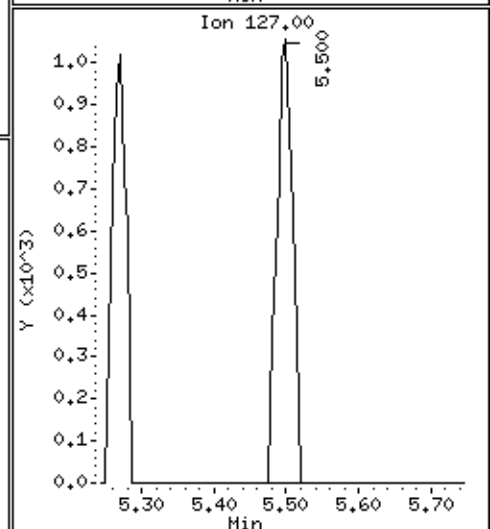
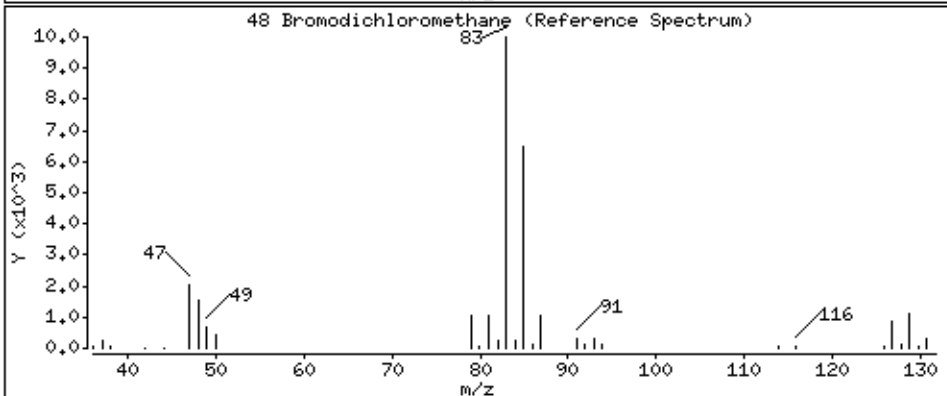
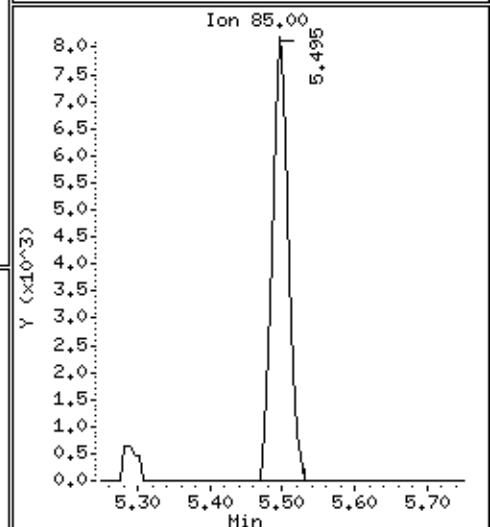
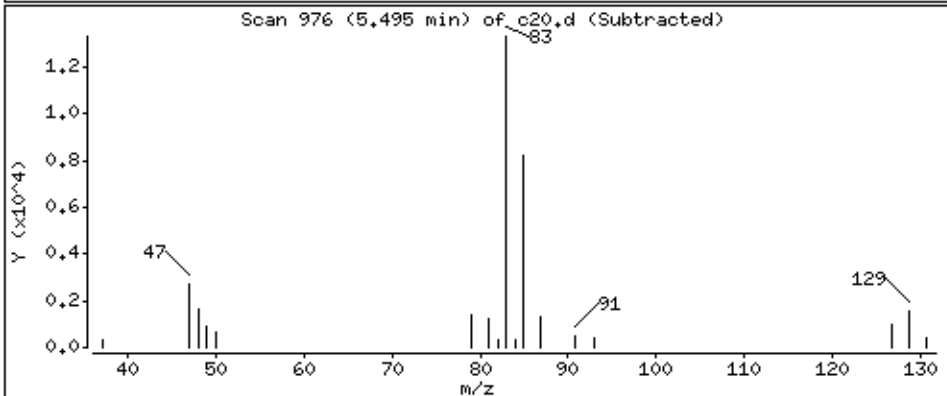
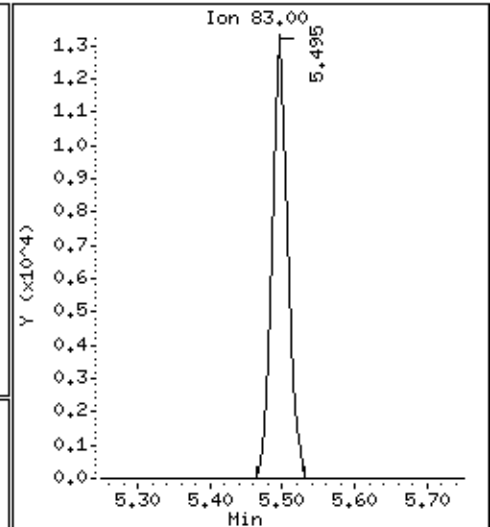
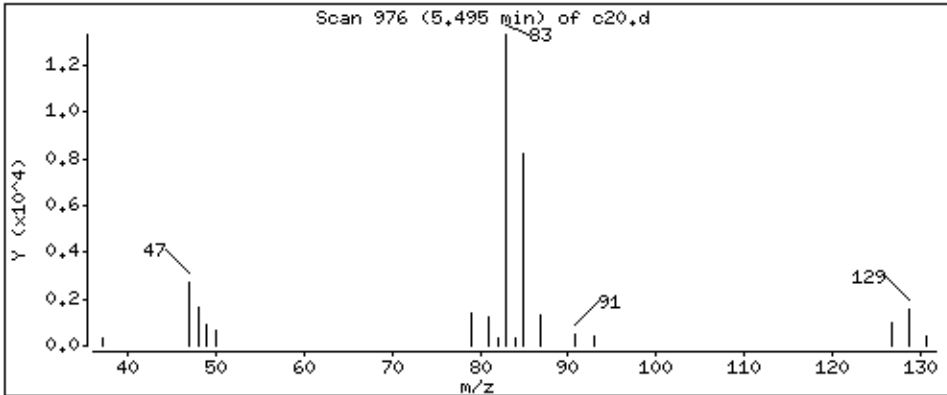
Column phase: DB-624

Column diameter: 0,18

48 Bromodichloromethane

Concentration: 39,2 ppb

Review Code:



Date : 03-JUL-2014 08:15

Client ID: THW-6(2-4)MS

Instrument: 50mv3a.i

Sample Info: 1122066,71089;5

Operator: jlz

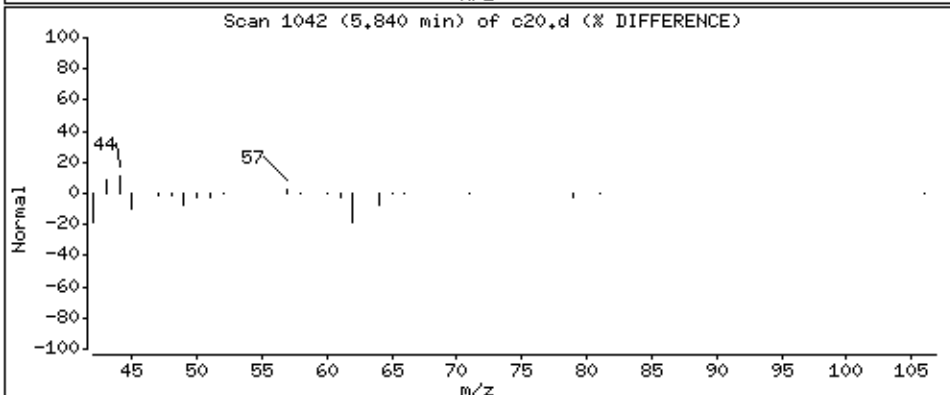
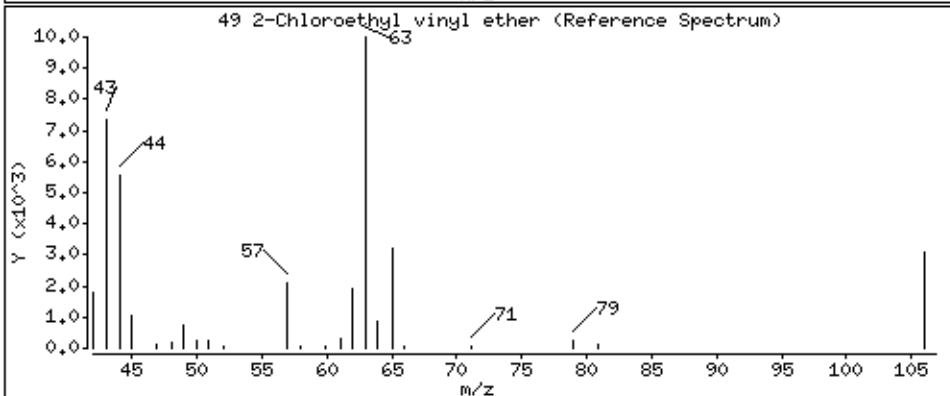
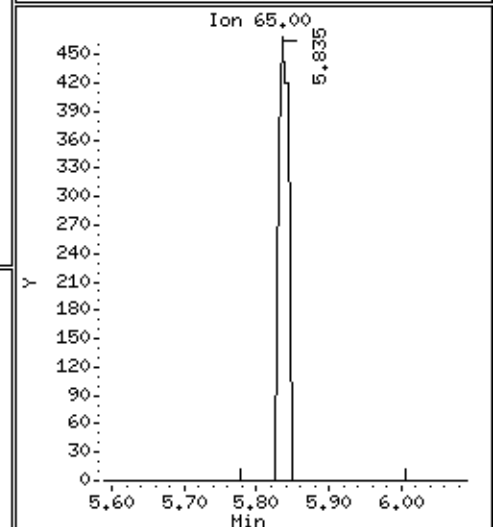
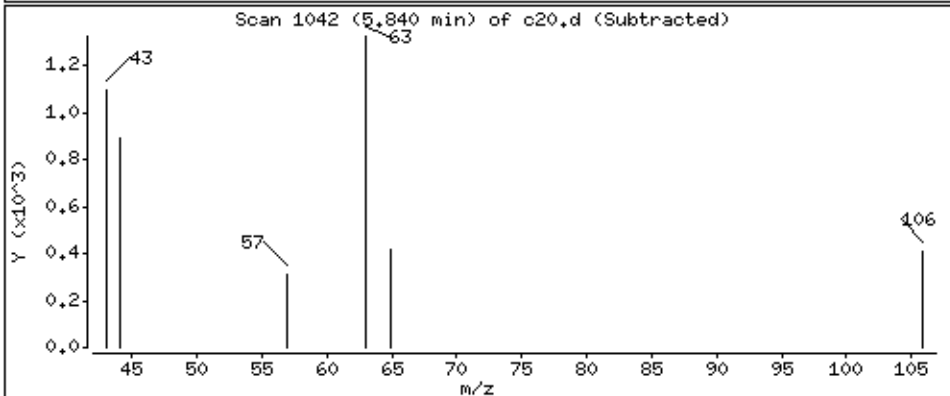
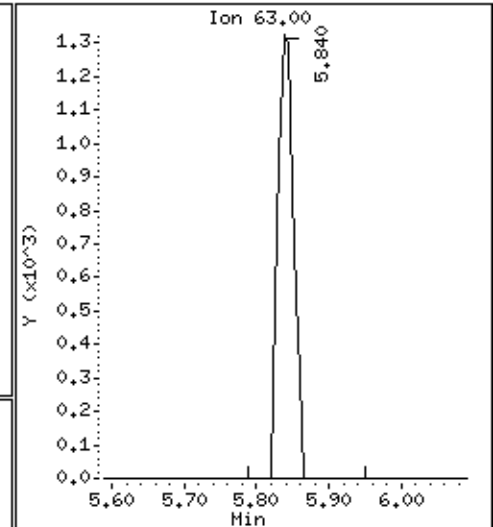
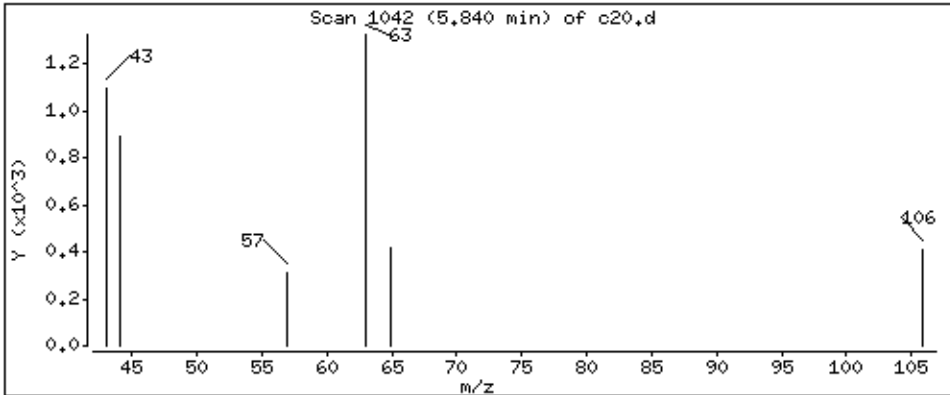
Column phase: DB-624

Column diameter: 0,18

49 2-Chloroethyl vinyl ether

Concentration: 17,6 ppb

Review Code: NI



Date : 03-JUL-2014 08:15

Client ID: THW-6(2-4)MS

Instrument: 50mv3a.i

Sample Info: 1122066,71089;5

Operator: jlz

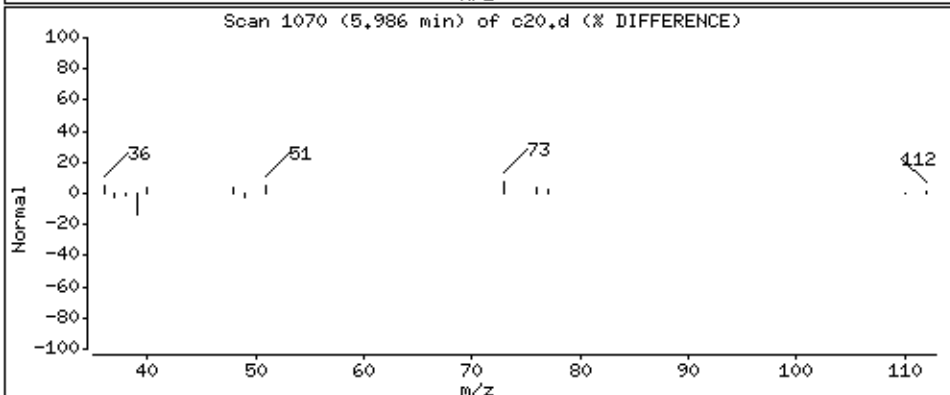
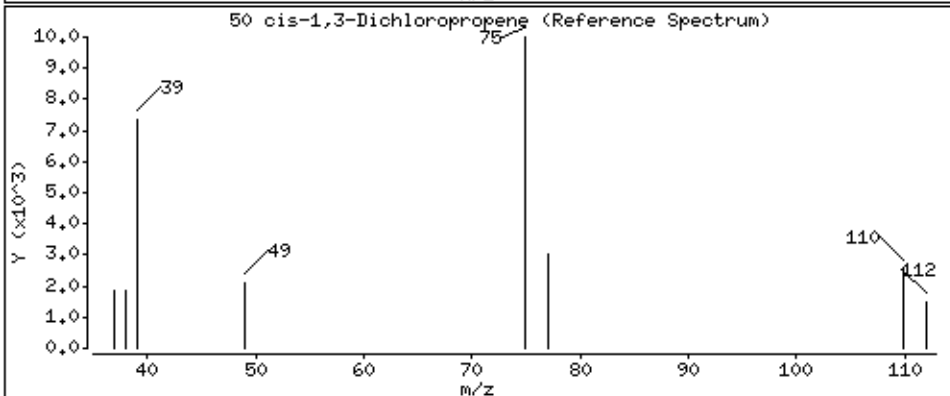
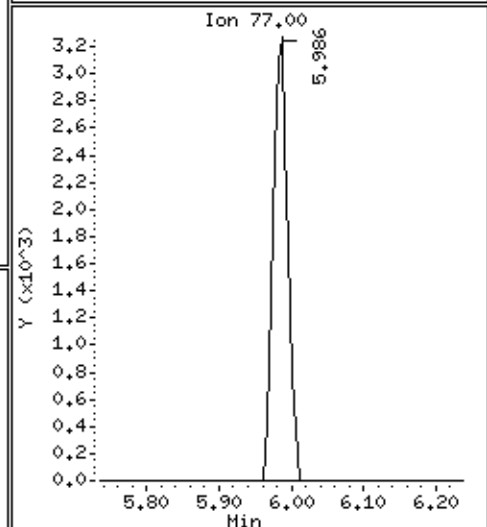
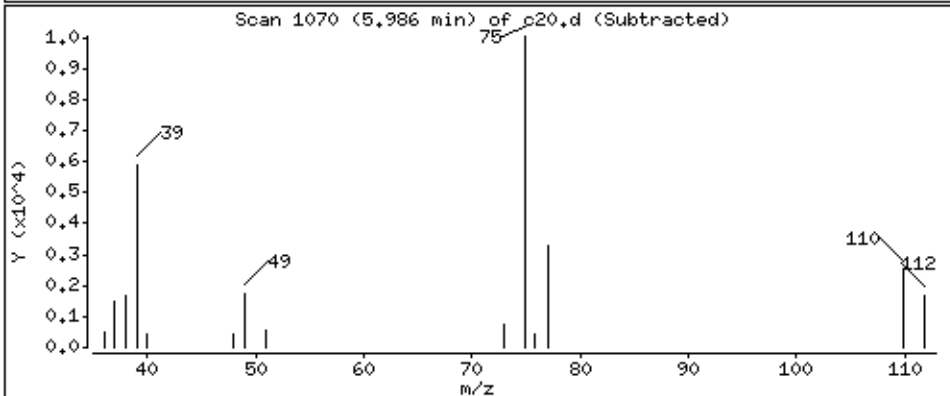
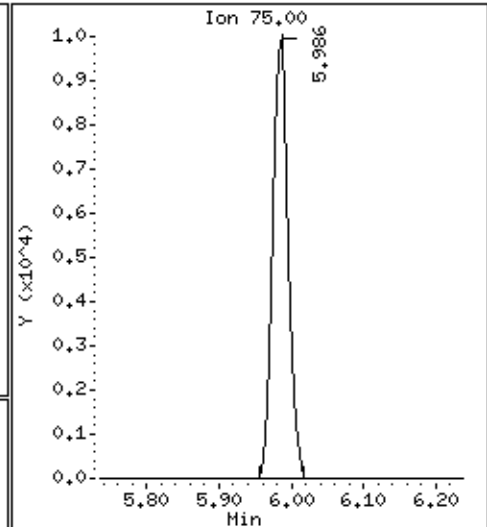
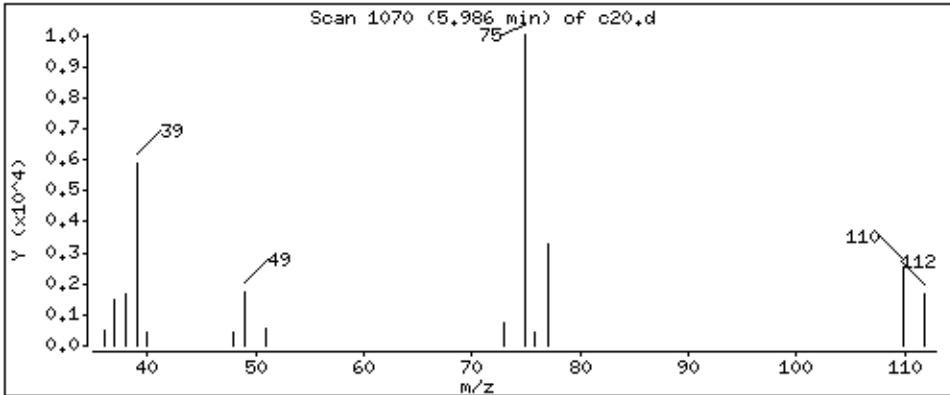
Column phase: DB-624

Column diameter: 0,18

50 cis-1,3-Dichloropropene

Concentration: 24,4 ppb

Review Code:



Date : 03-JUL-2014 08:15

Client ID: THW-6(2-4)MS

Instrument: 50mw3a.i

Sample Info: 1122066,71089;5

Operator: jlz

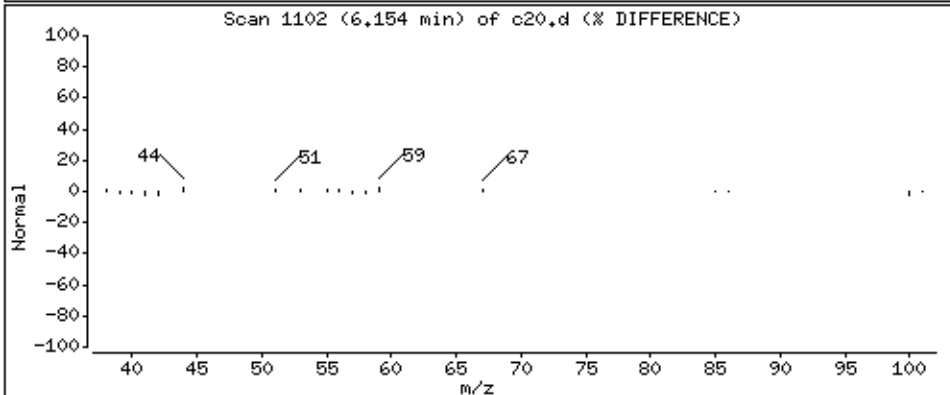
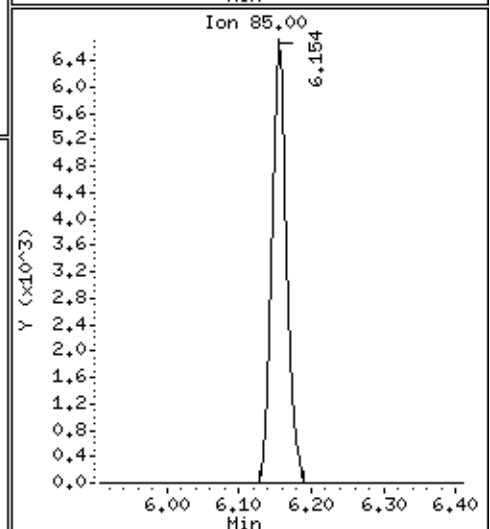
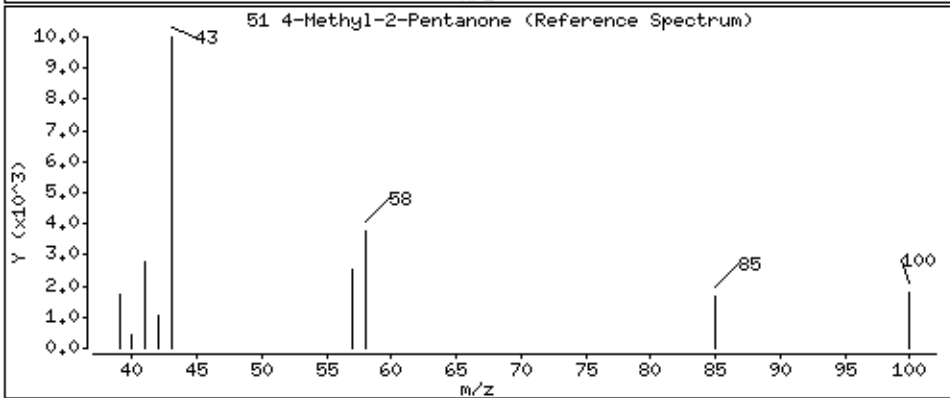
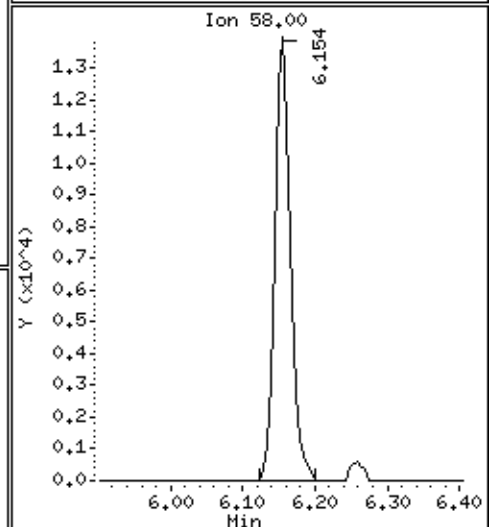
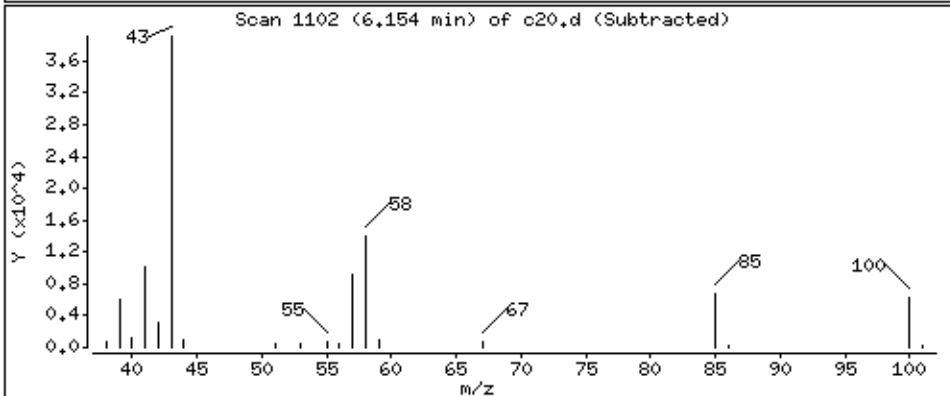
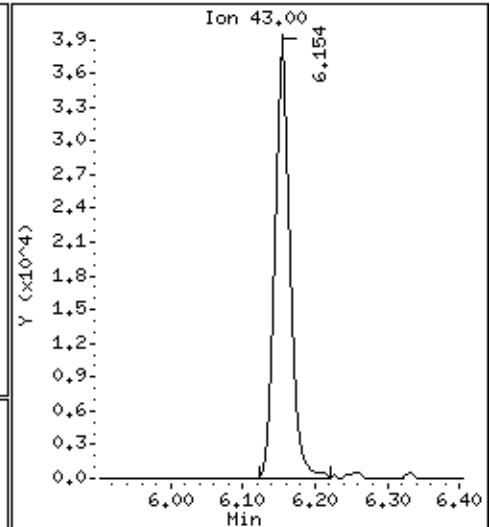
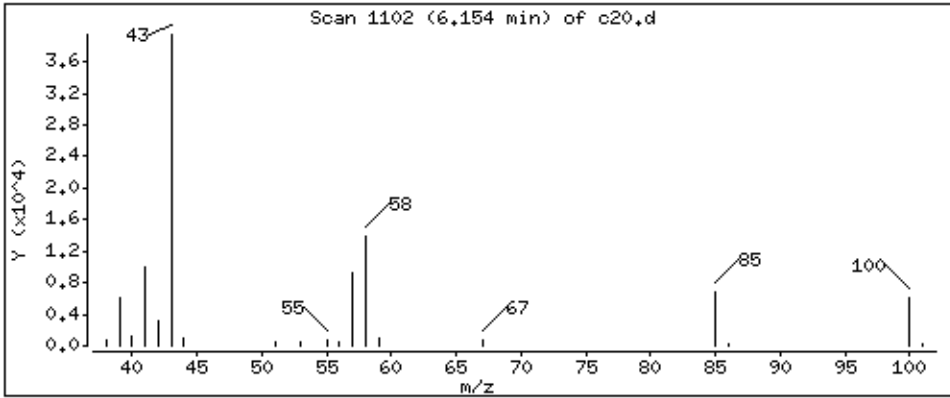
Column phase: DB-624

Column diameter: 0,18

51 4-Methyl-2-Pentanone

Concentration: 208 ppb

Review Code:



Date : 03-JUL-2014 08:15

Client ID: THW-6(2-4)MS

Instrument: 50mw3a.i

Sample Info: 1122066,71089;5

Operator: jlz

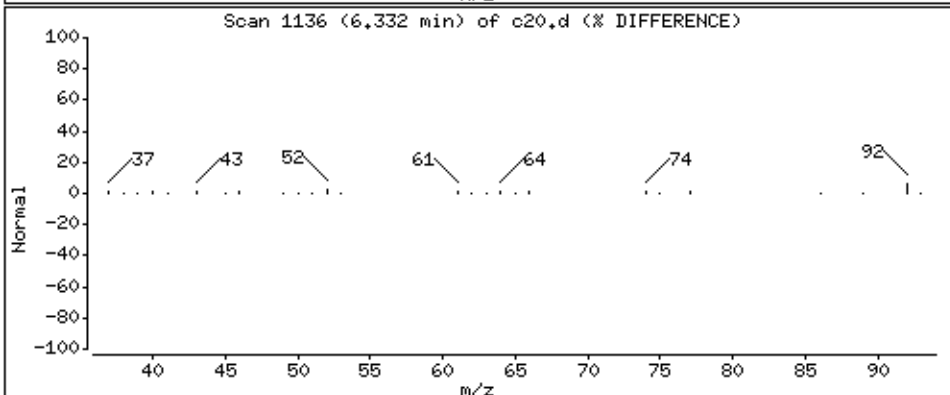
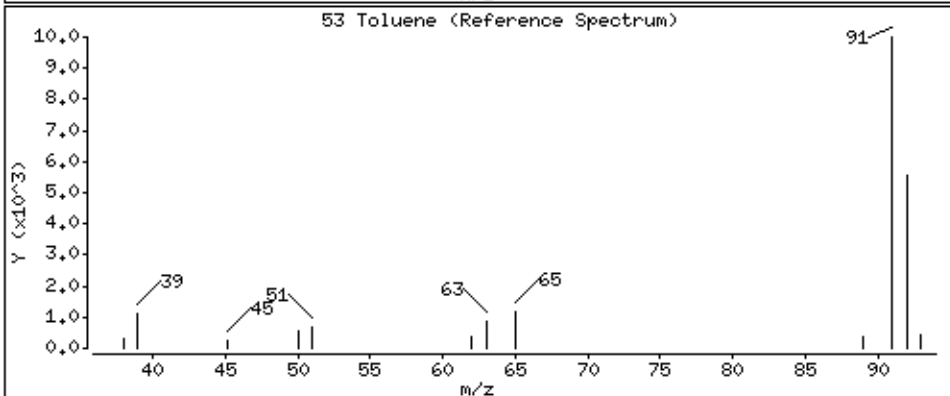
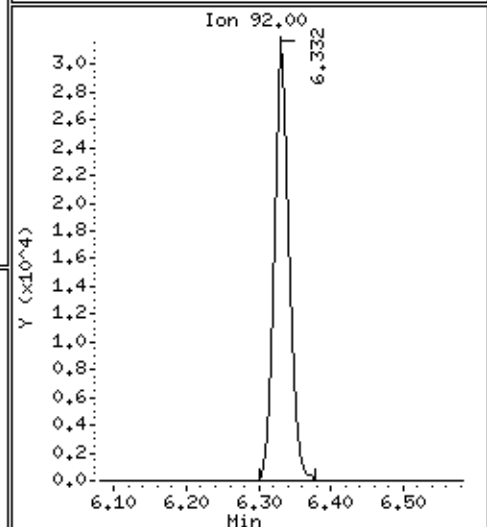
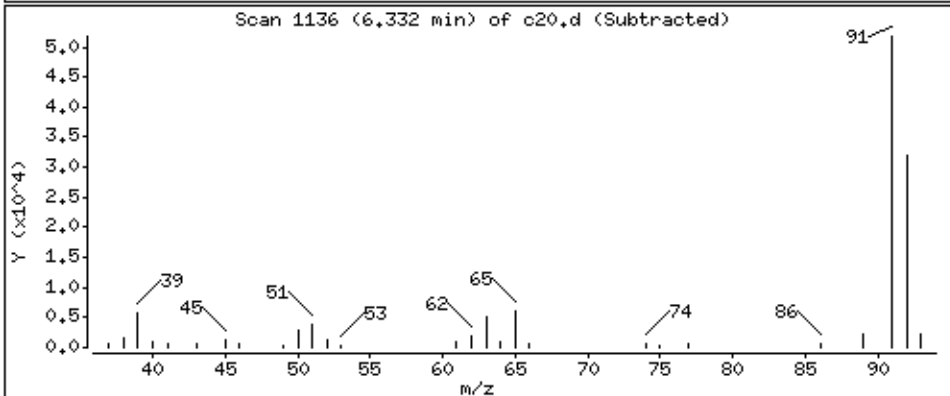
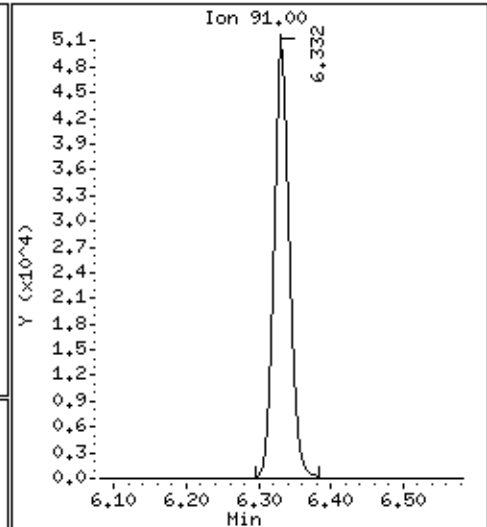
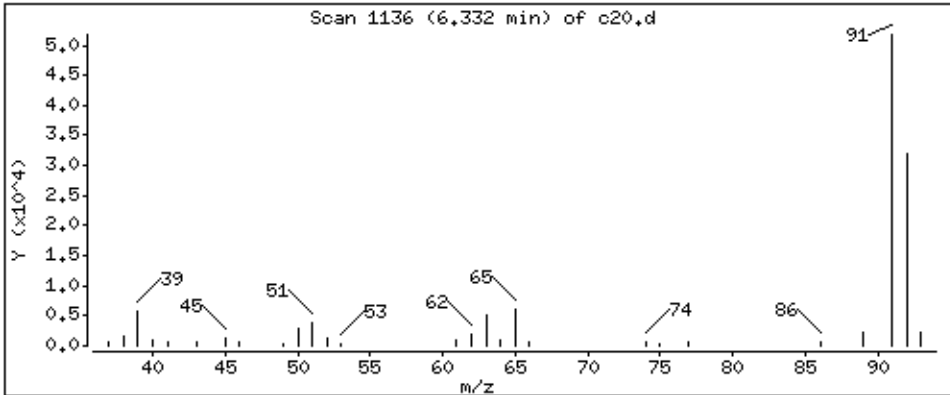
Column phase: DB-624

Column diameter: 0,18

53 Toluene

Concentration: 33,0 ppb

Review Code:



Date : 03-JUL-2014 08:15

Client ID: THW-6(2-4)MS

Instrument: 50mv3a.i

Sample Info: 1122066,71089;5

Operator: jlz

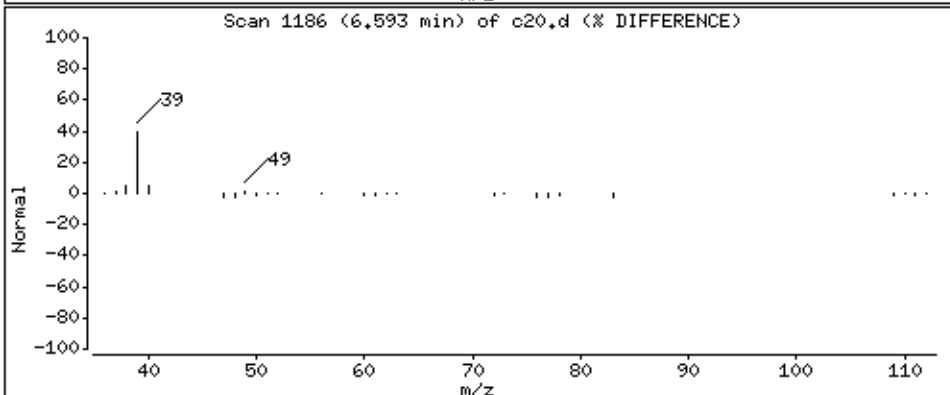
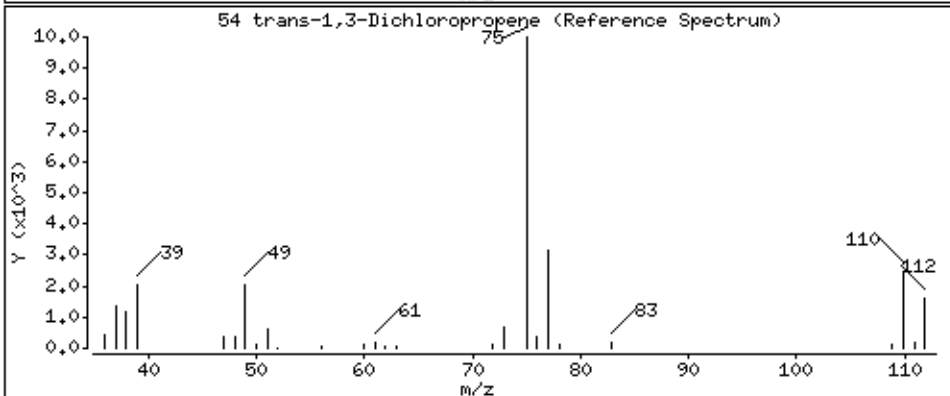
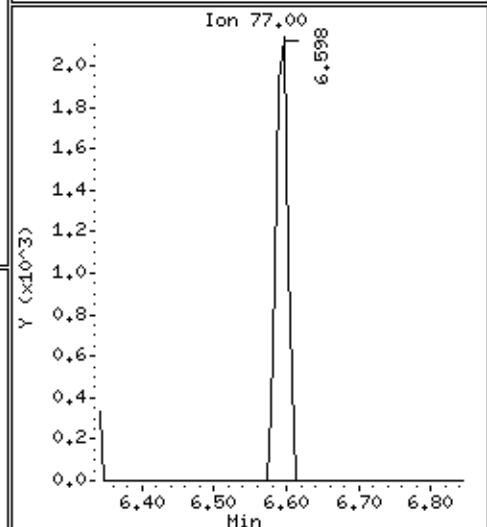
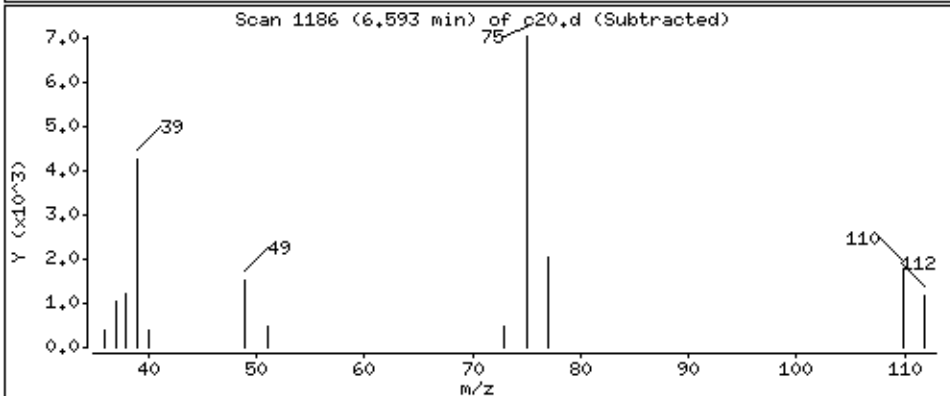
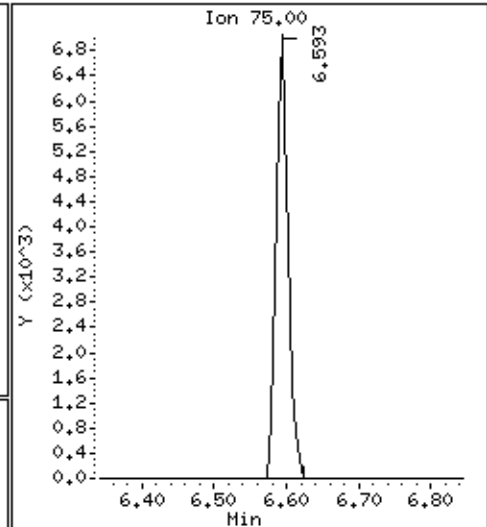
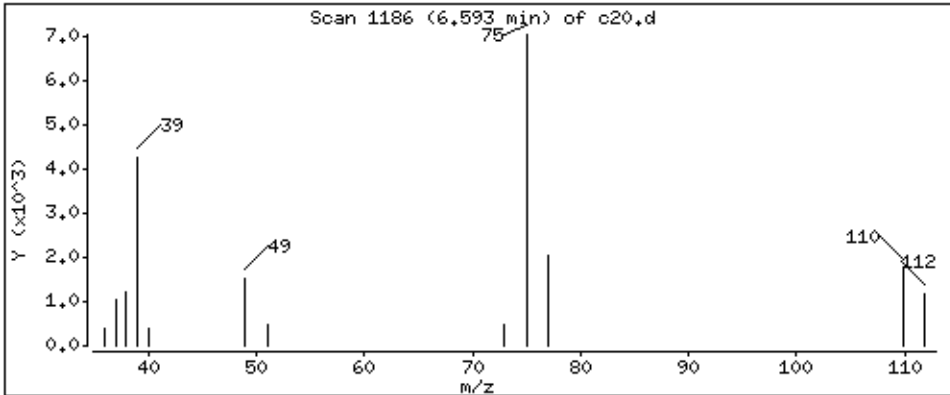
Column phase: DB-624

Column diameter: 0,18

54 trans-1,3-Dichloropropene

Concentration: 21.1 ppb

Review Code:



Date : 03-JUL-2014 08:15

Client ID: THW-6(2-4)MS

Instrument: 50mv3a.i

Sample Info: 1122066,71089;5

Operator: jlj

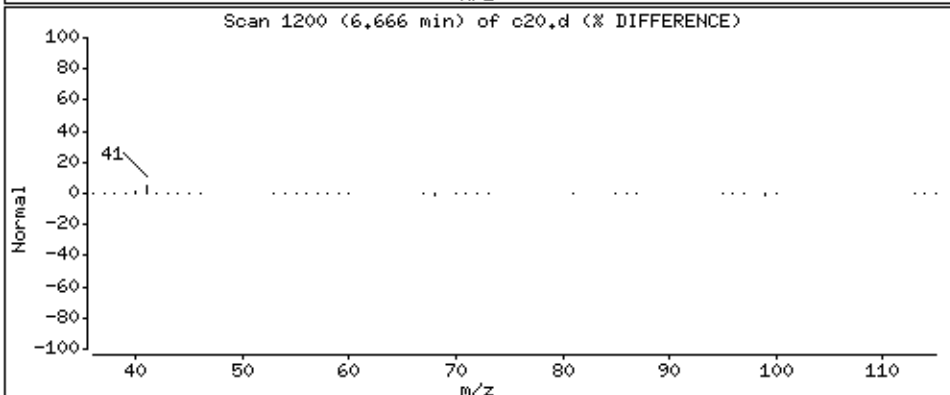
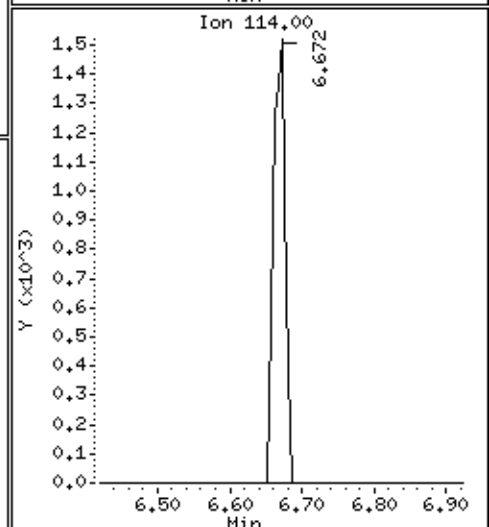
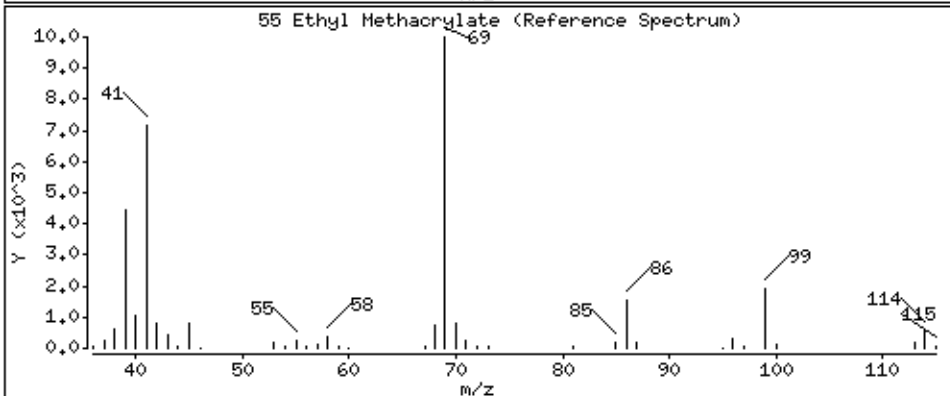
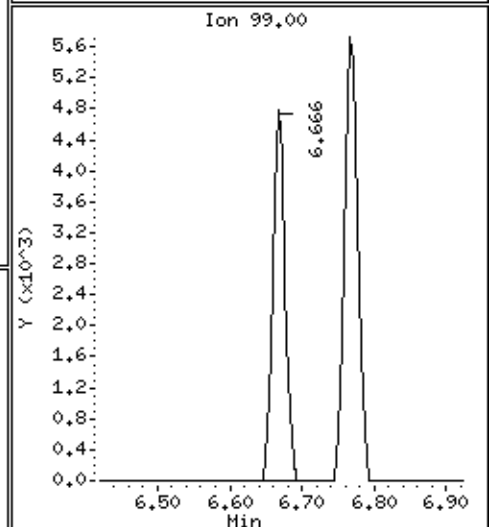
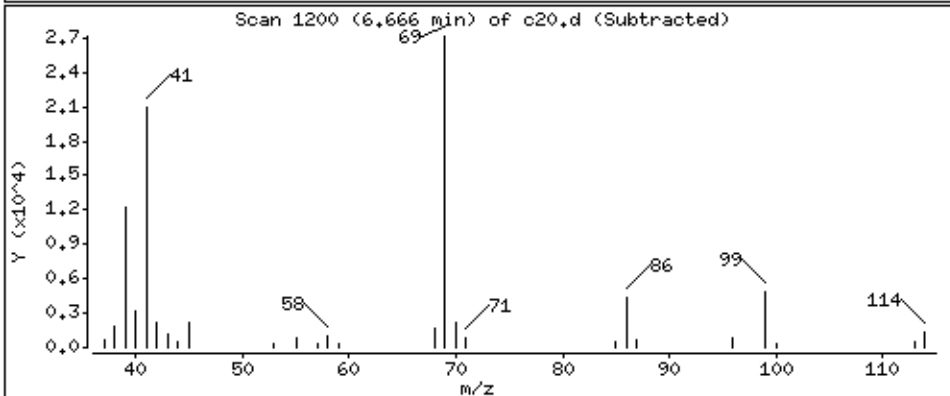
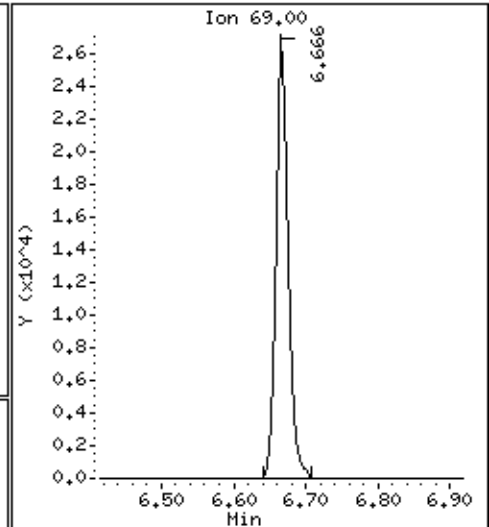
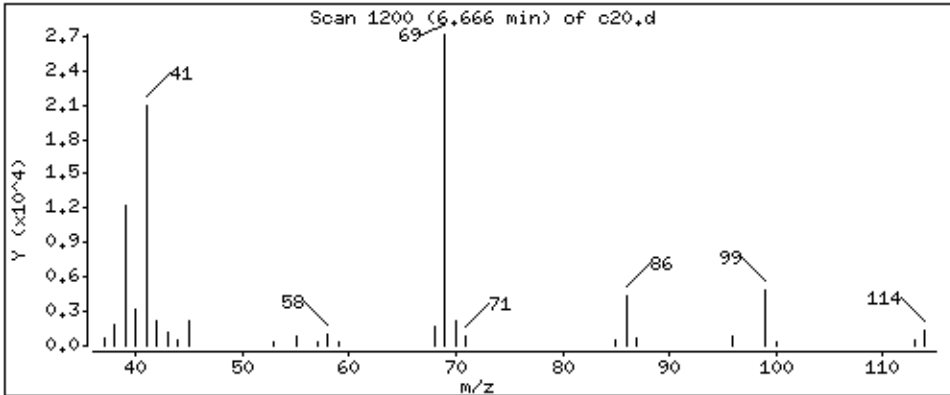
Column phase: DB-624

Column diameter: 0,18

55 Ethyl Methacrylate

Concentration: 70,0 ppb

Review Code:



Date : 03-JUL-2014 08:15

Client ID: THW-6(2-4)MS

Instrument: 50mv3a.i

Sample Info: 1122066,71089;5

Operator: jlz

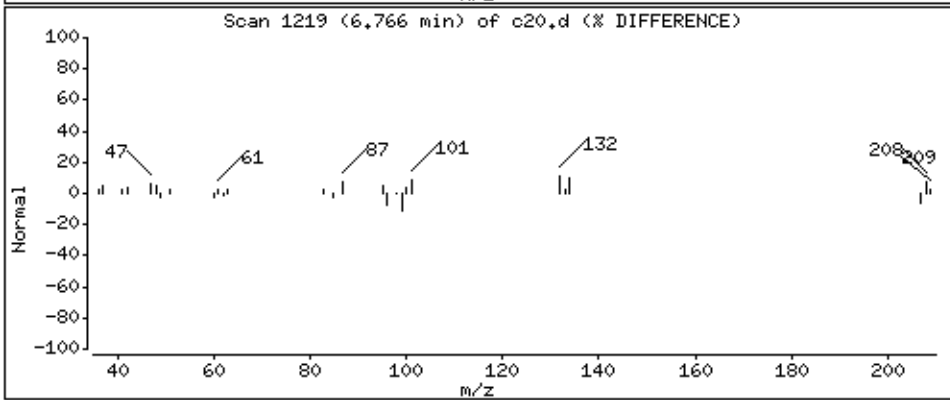
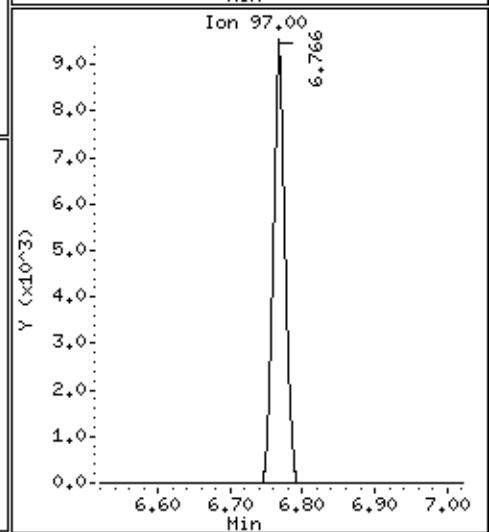
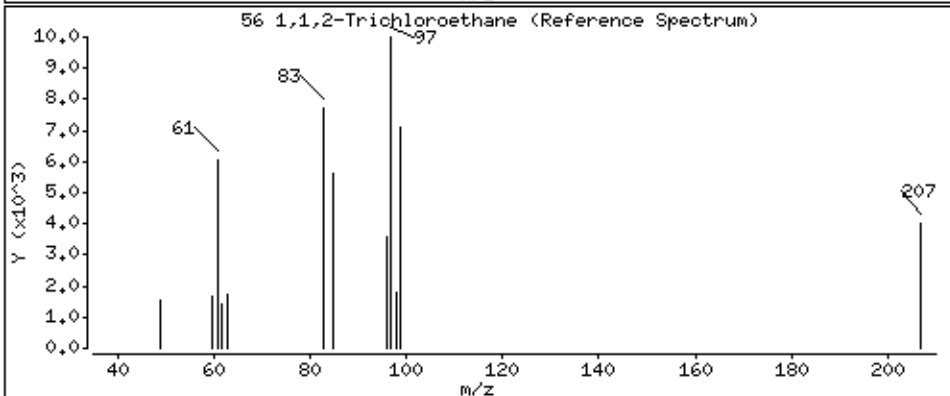
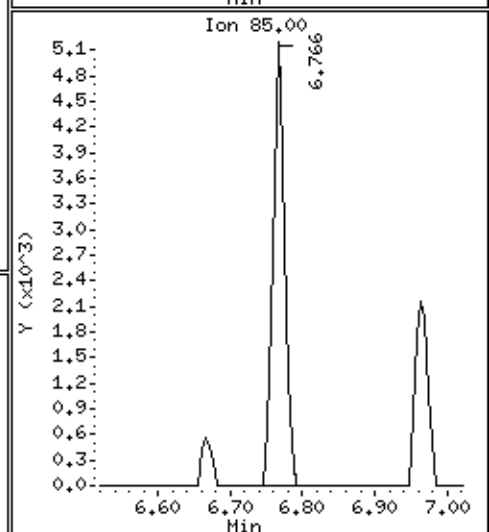
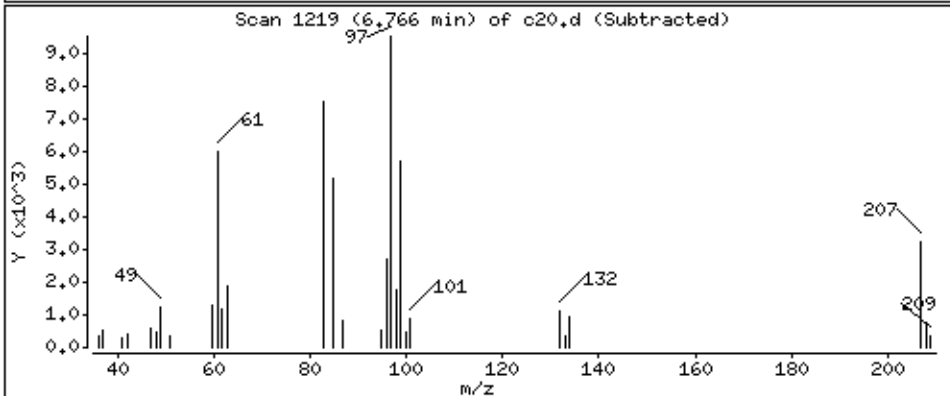
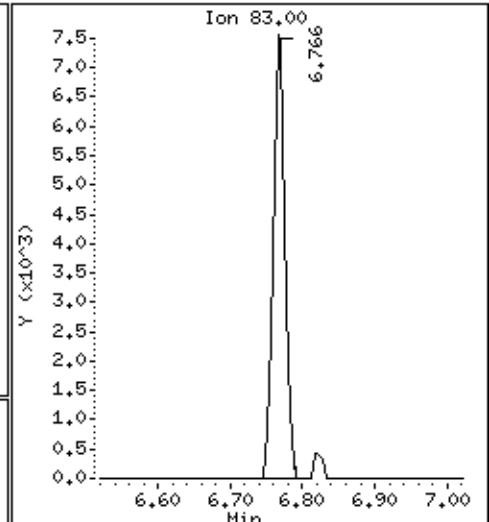
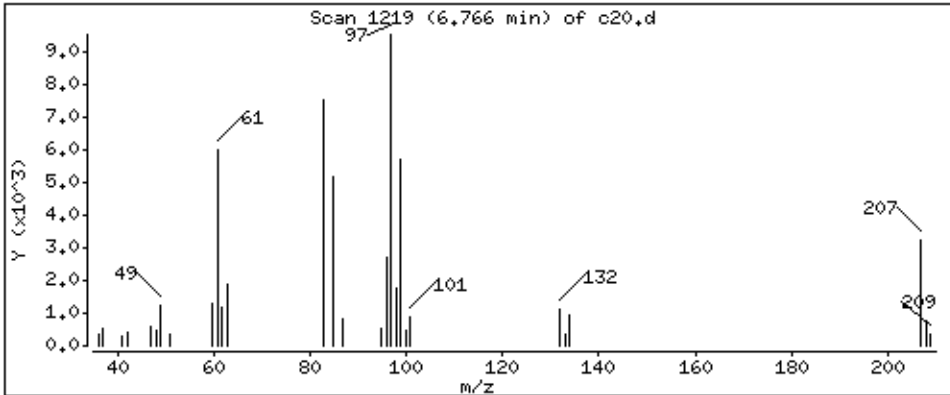
Column phase: DB-624

Column diameter: 0,18

56 1,1,2-Trichloroethane

Concentration: 34,1 ppb

Review Code:



Date : 03-JUL-2014 08:15

Client ID: THW-6(2-4)MS

Instrument: 50mv3a.i

Sample Info: 1122066,71089;5

Operator: jlz

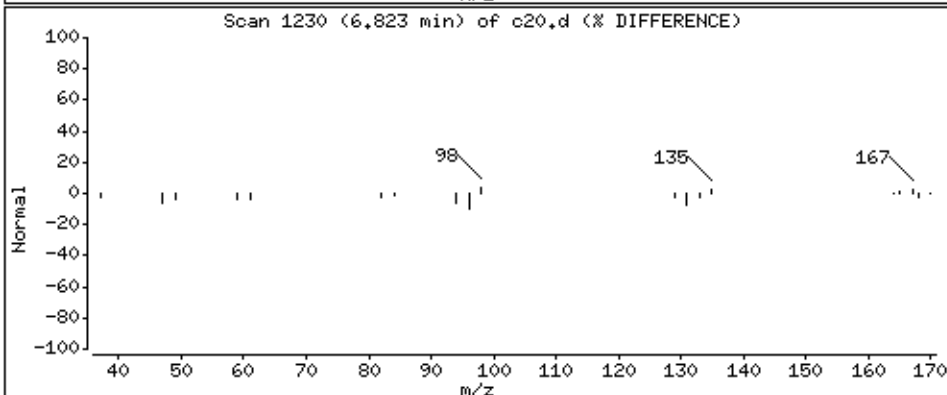
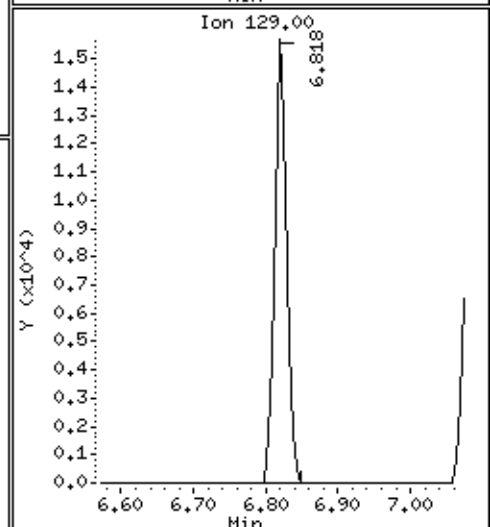
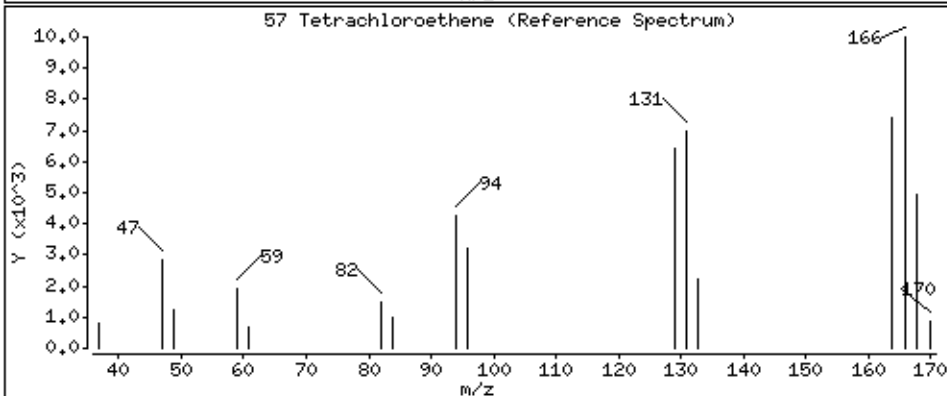
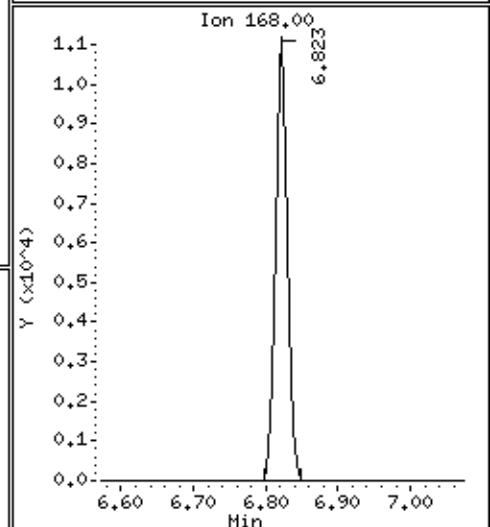
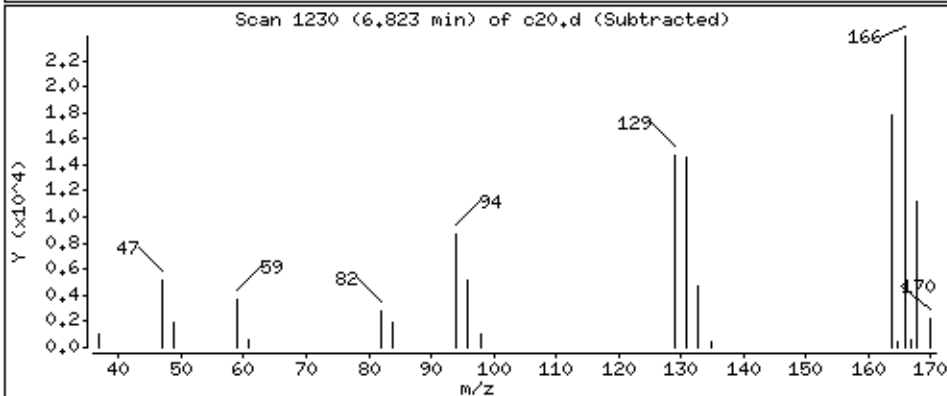
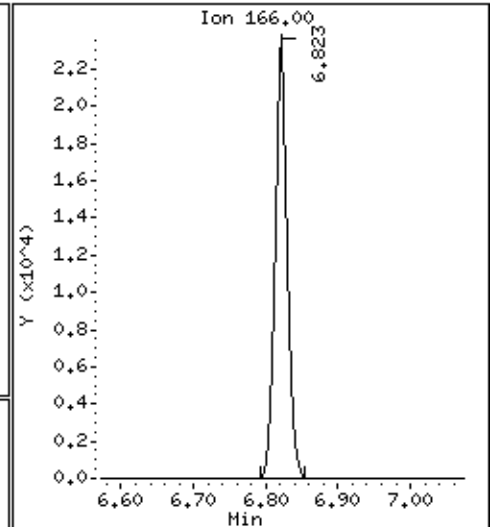
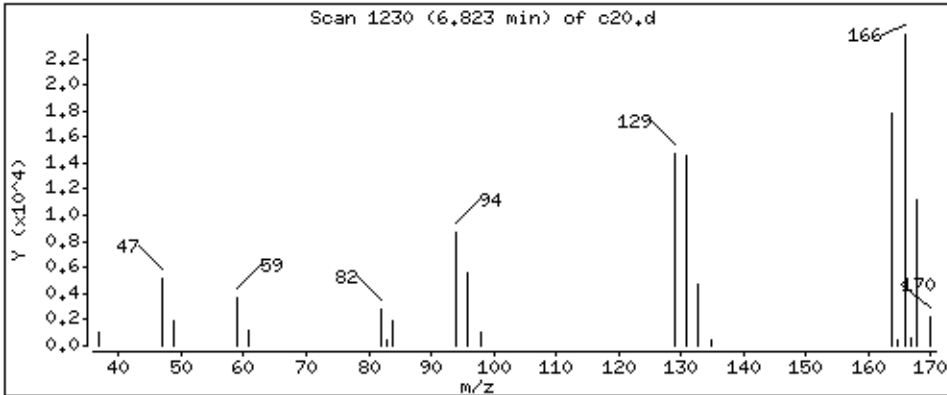
Column phase: DB-624

Column diameter: 0,18

57 Tetrachloroethene

Concentration: 42.8 ppb

Review Code:



Date : 03-JUL-2014 08:15

Client ID: THW-6(2-4)MS

Instrument: 50mv3a.i

Sample Info: 1122066,71089;5

Operator: jlz

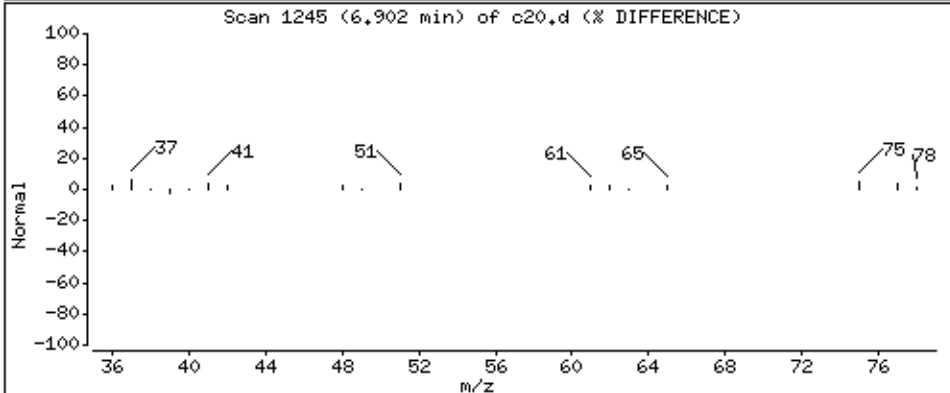
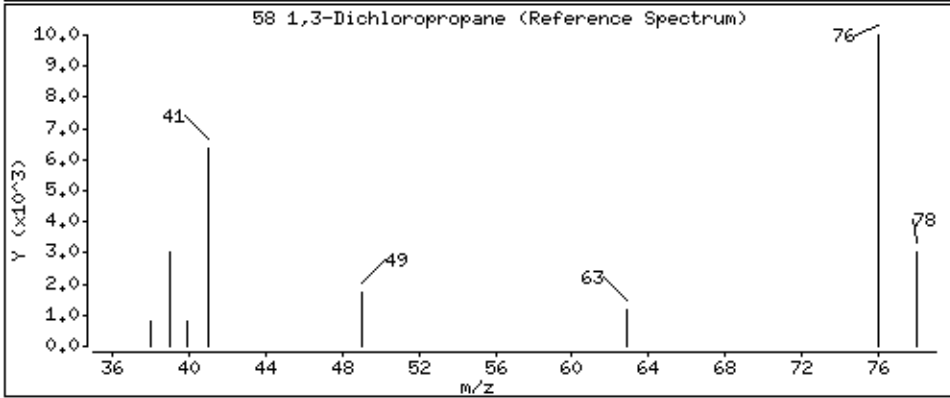
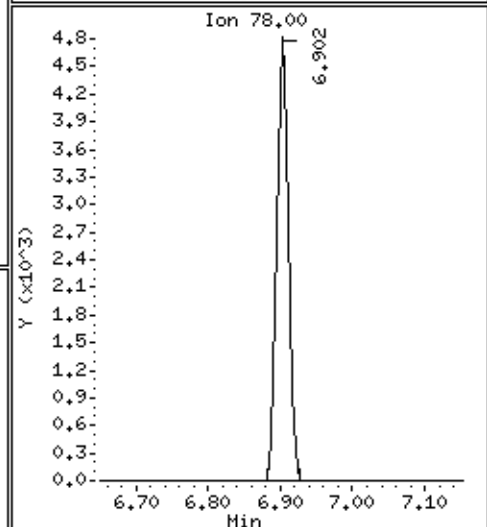
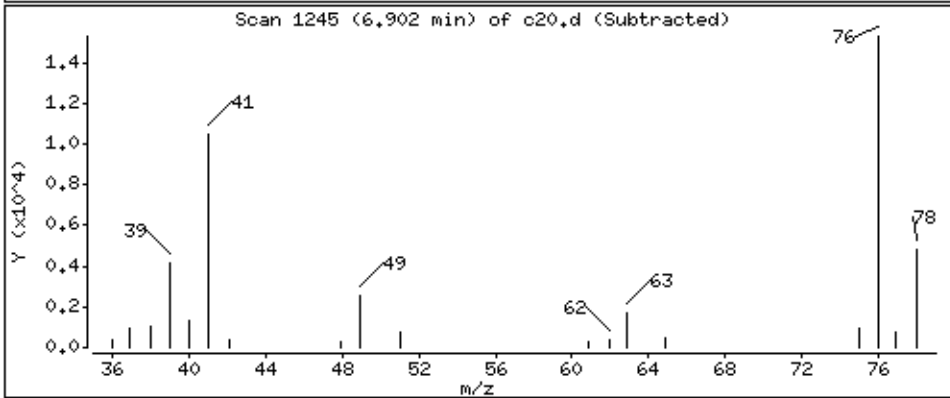
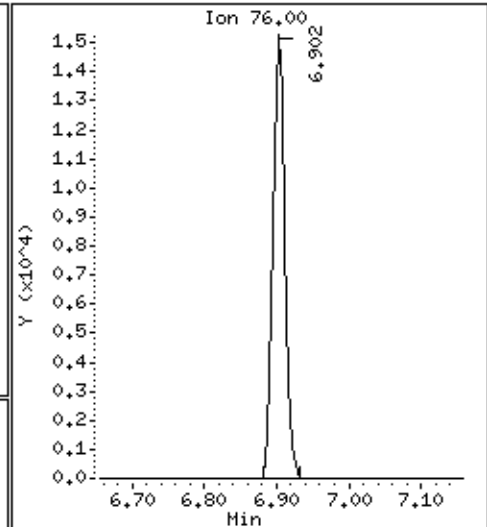
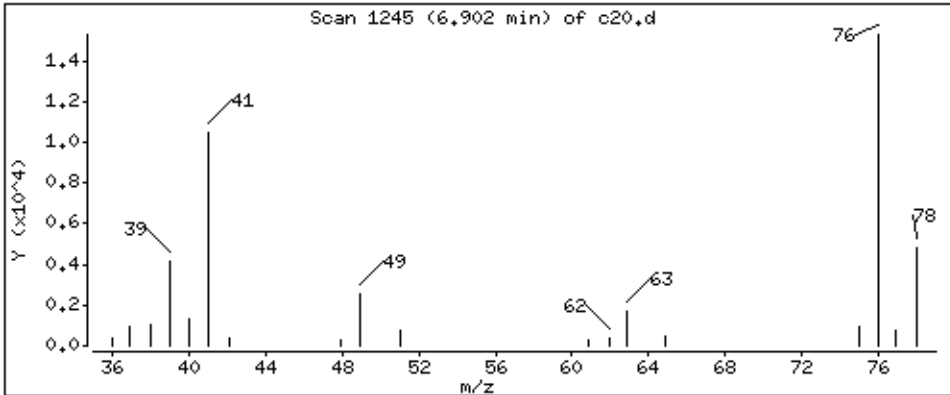
Column phase: DB-624

Column diameter: 0,18

58 1,3-Dichloropropane

Concentration: 30,2 ppb

Review Code:



Date : 03-JUL-2014 08:15

Client ID: THW-6(2-4)MS

Instrument: 50mv3a.i

Sample Info: 1122066,71089;5

Operator: jlz

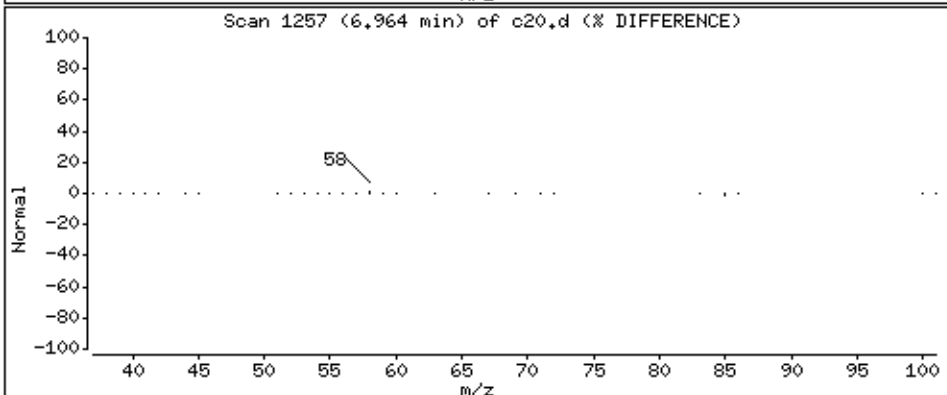
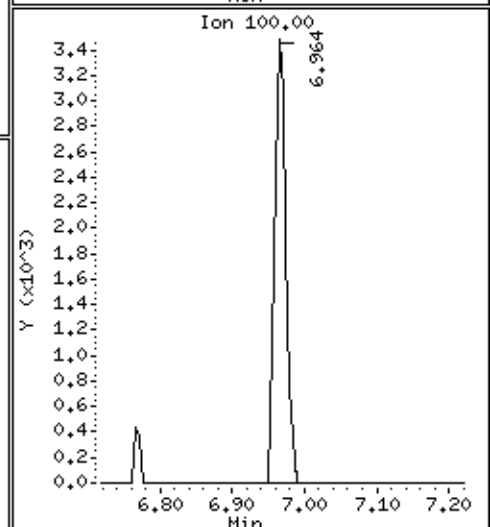
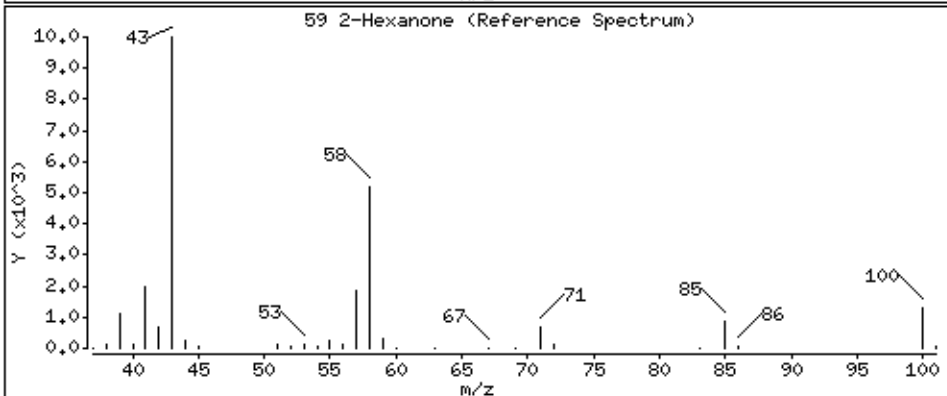
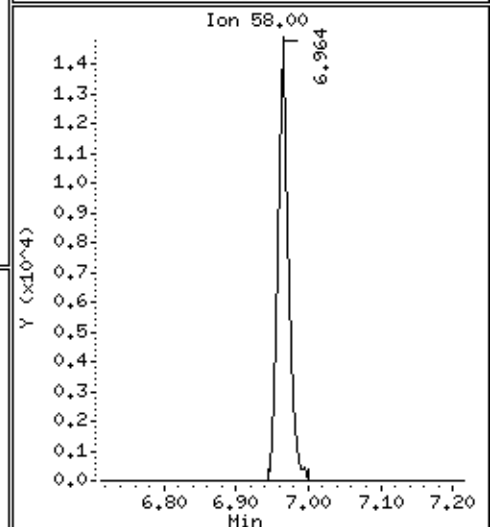
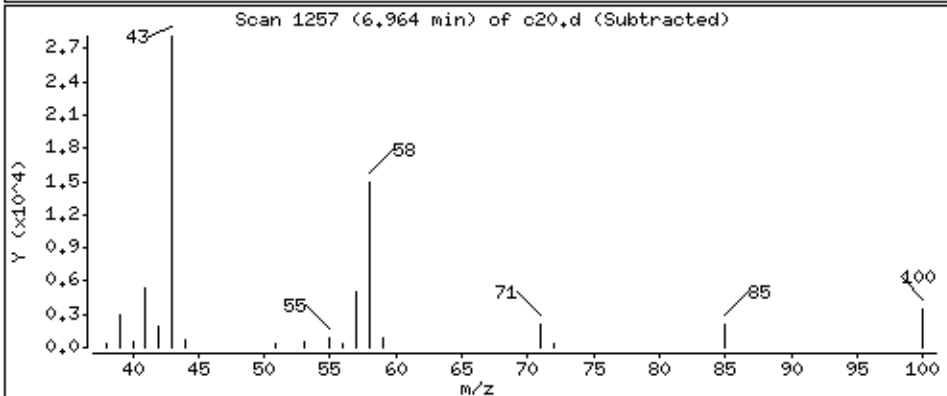
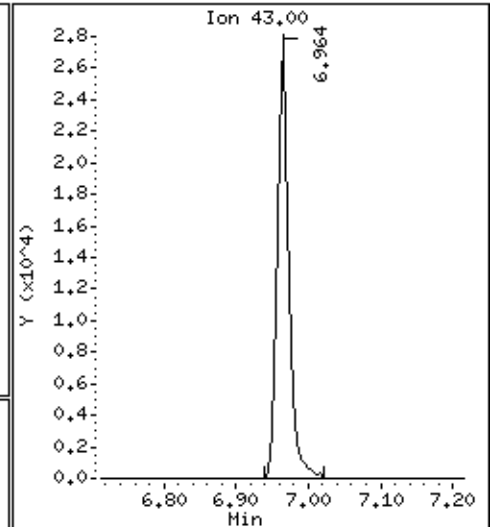
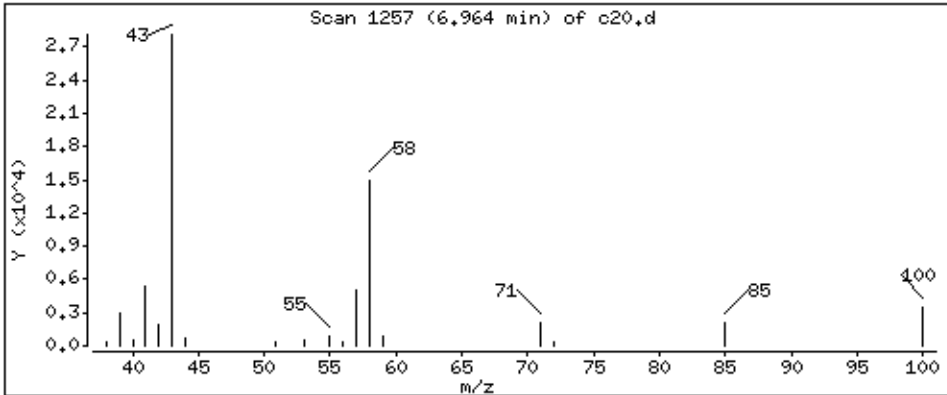
Column phase: DB-624

Column diameter: 0,18

59 2-Hexanone

Concentration: 168 ppb

Review Code:



Date : 03-JUL-2014 08:15

Client ID: THW-6(2-4)MS

Instrument: 50mw3a.i

Sample Info: 1122066,71089;5

Operator: jlz

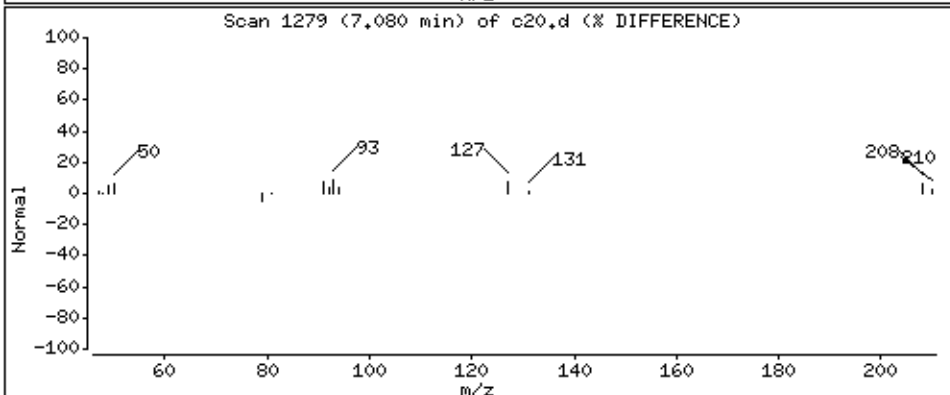
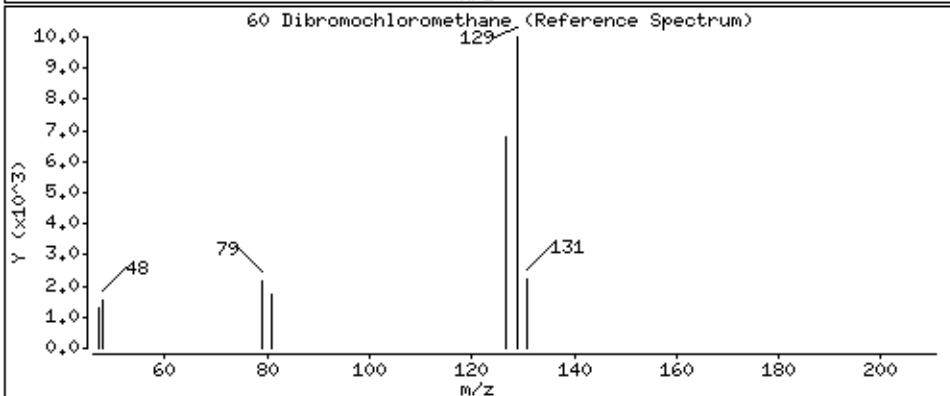
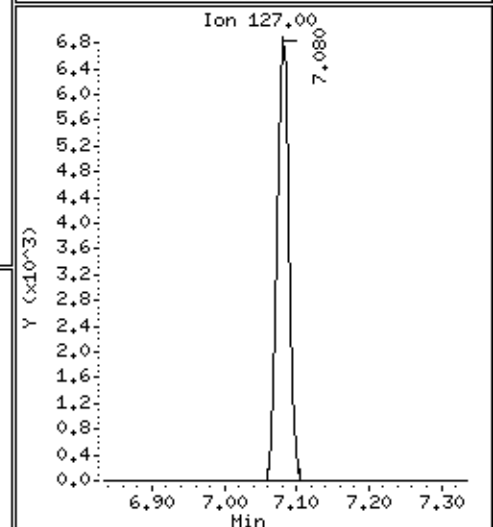
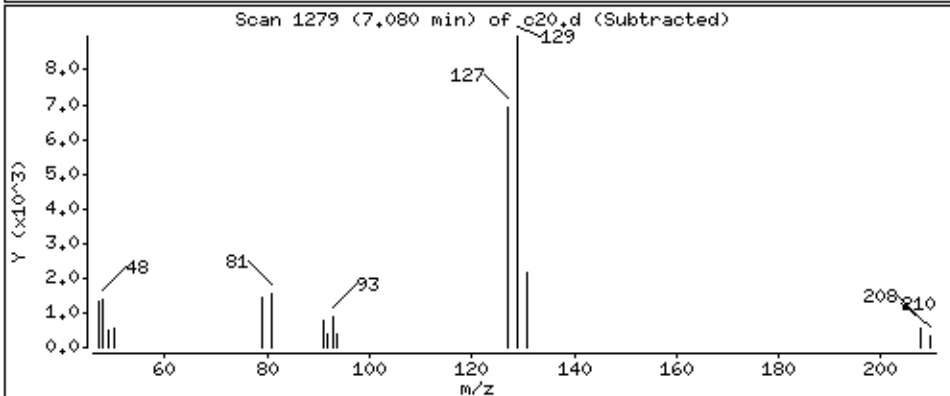
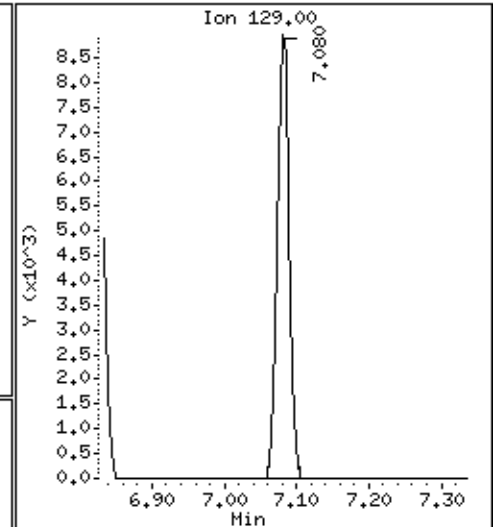
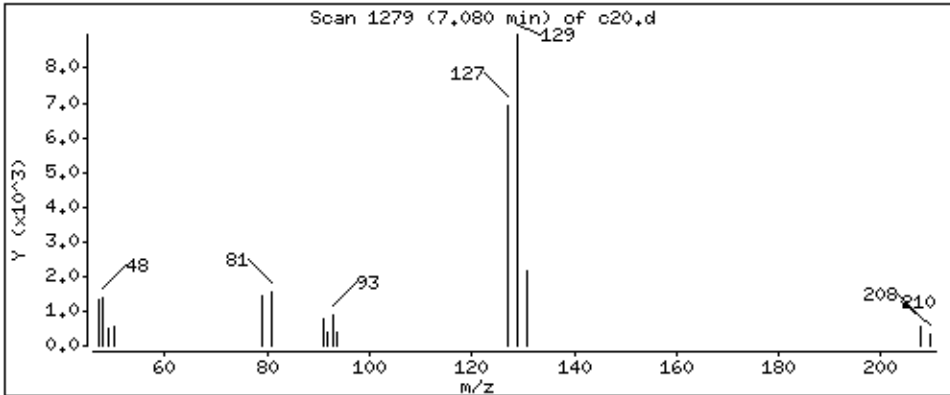
Column phase: DB-624

Column diameter: 0,18

60 Dibromochloromethane

Concentration: 28,8 ppb

Review Code:



Date : 03-JUL-2014 08:15

Client ID: THW-6(2-4)MS

Instrument: 50mv3a.i

Sample Info: 1122066,71089;5

Operator: jlz

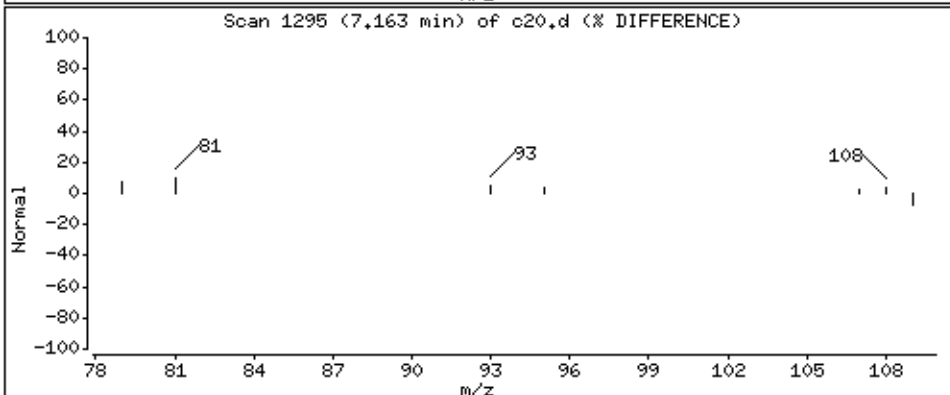
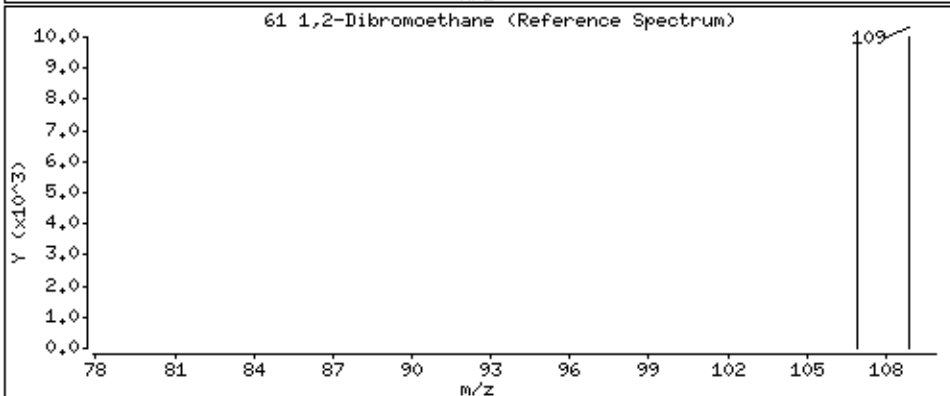
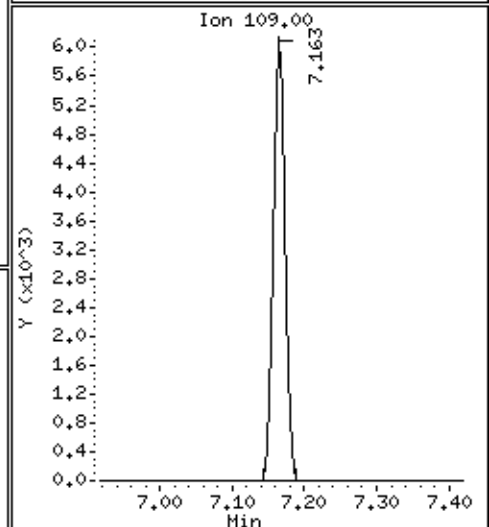
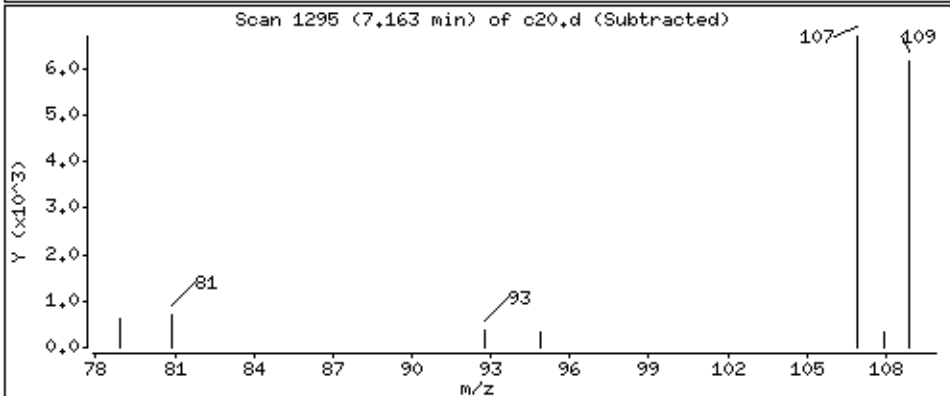
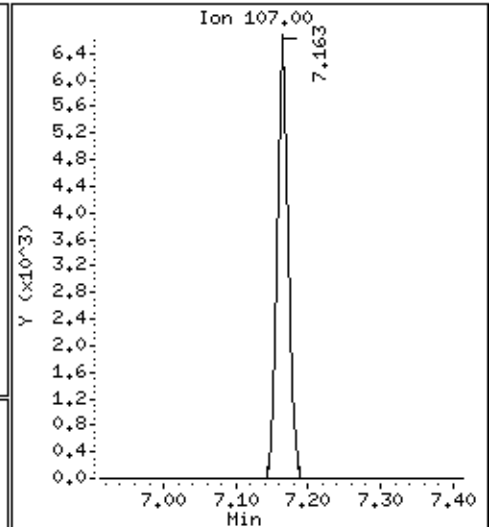
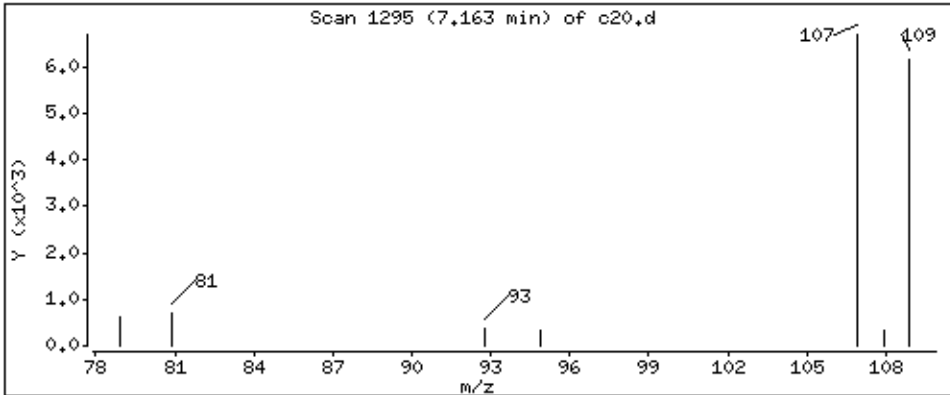
Column phase: DB-624

Column diameter: 0,18

61 1,2-Dibromoethane

Concentration: 26,5 ppb

Review Code:



Date : 03-JUL-2014 08:15

Client ID: THW-6(2-4)MS

Instrument: 50mv3a.i

Sample Info: 1122066,71089;5

Operator: jlz

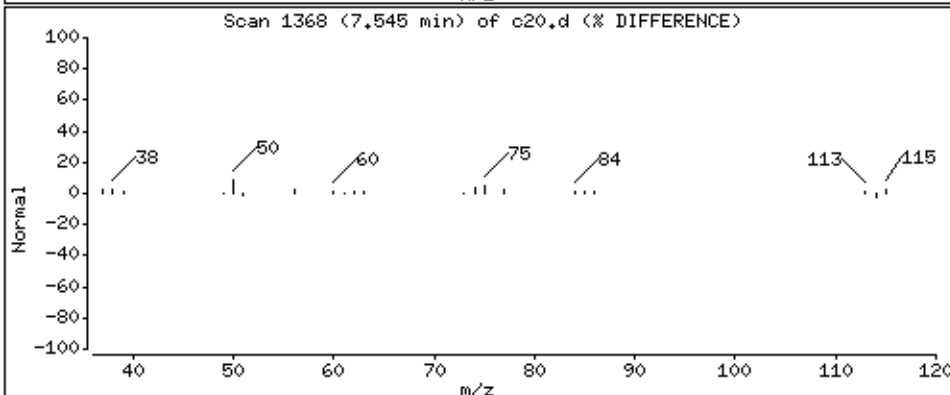
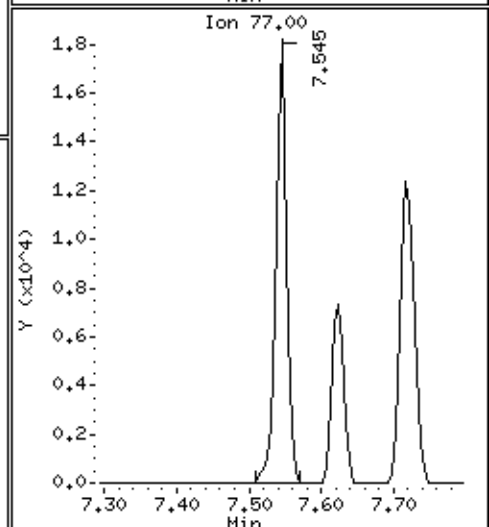
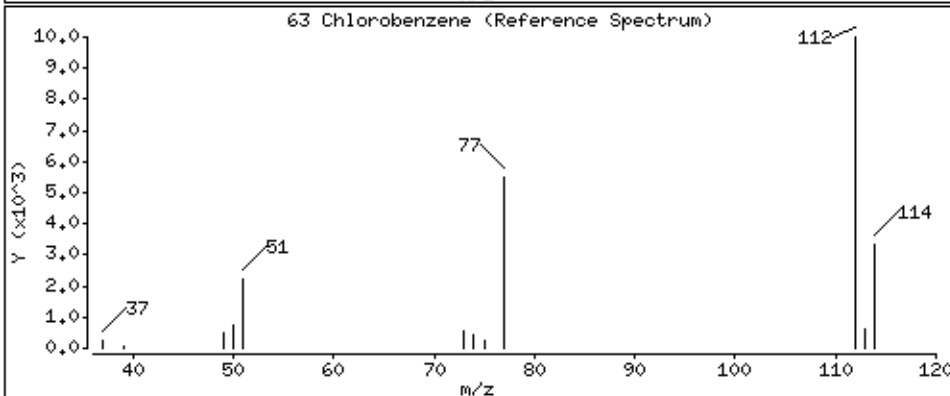
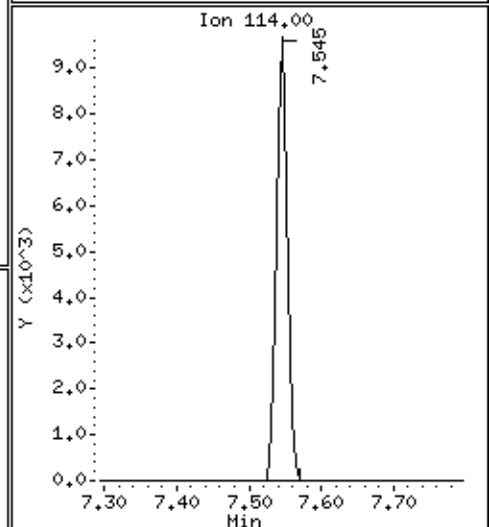
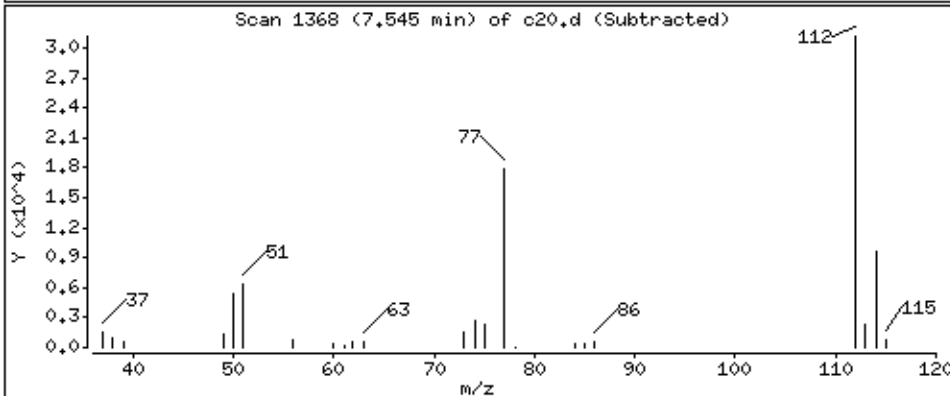
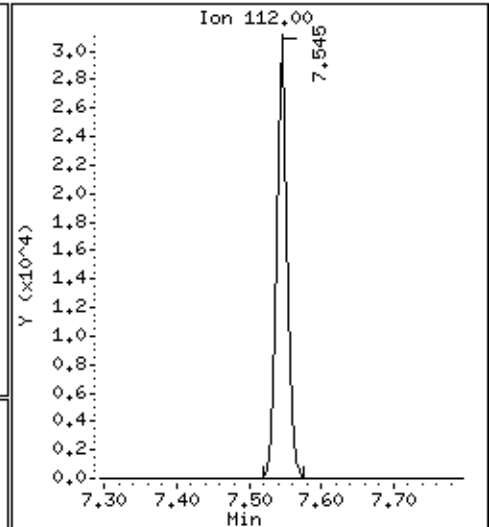
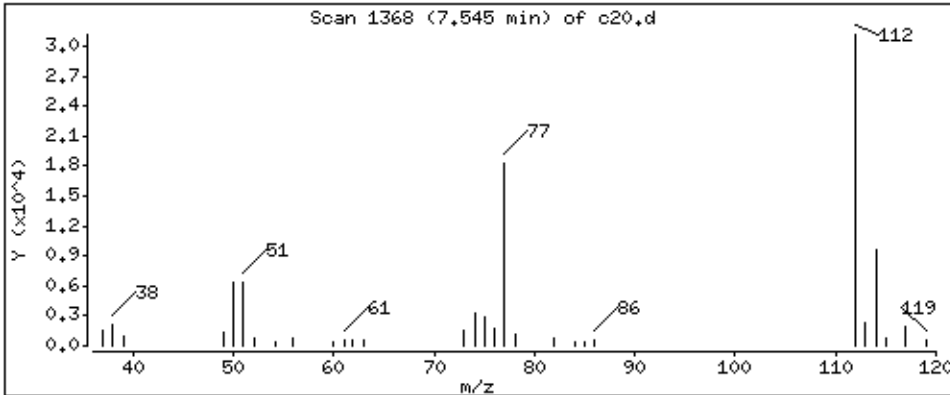
Column phase: DB-624

Column diameter: 0,18

63 Chlorobenzene

Concentration: 22.3 ppb

Review Code:



Date : 03-JUL-2014 08:15

Client ID: THW-6(2-4)MS

Instrument: 50mv3a.i

Sample Info: 1122066,71089;5

Operator: jlz

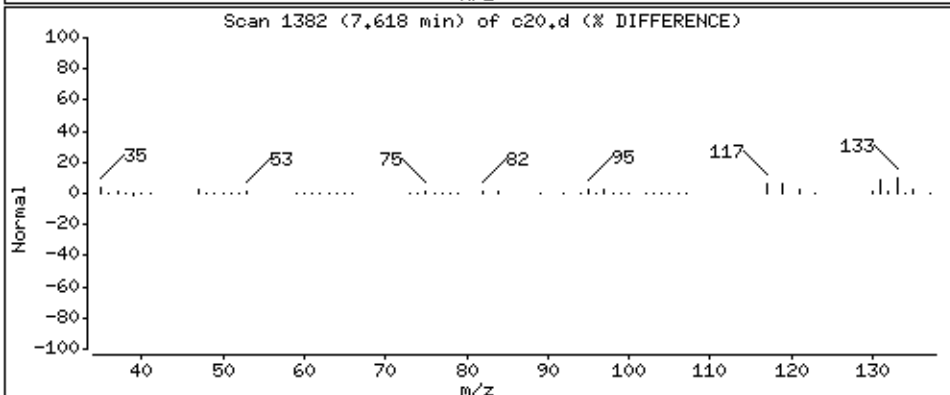
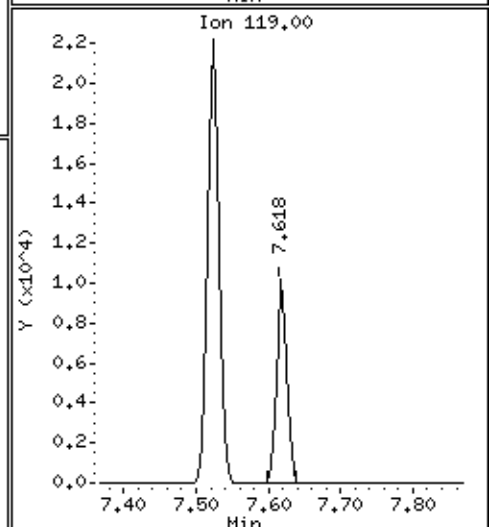
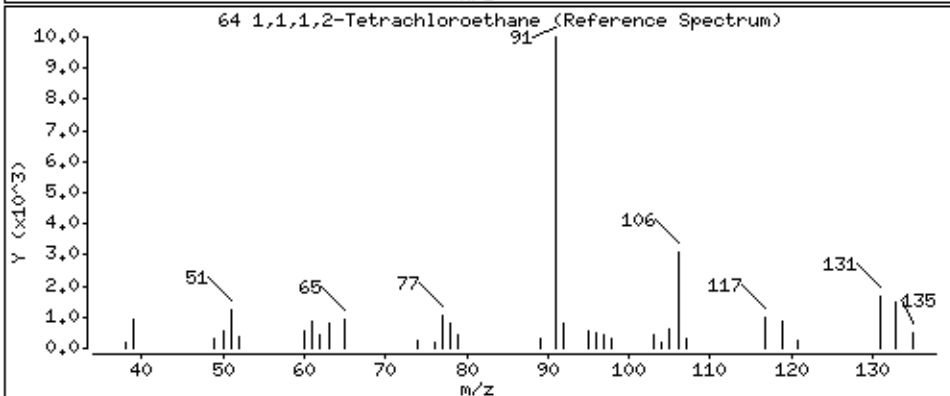
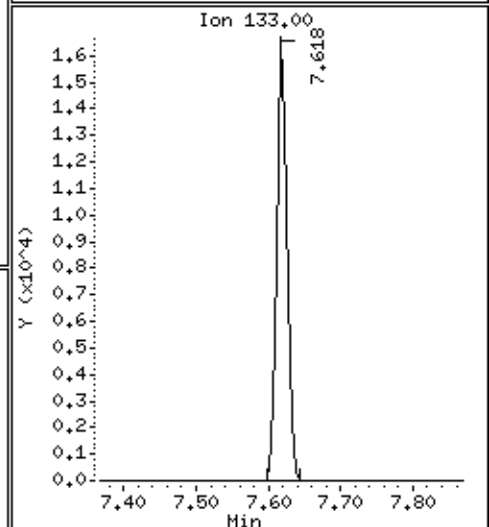
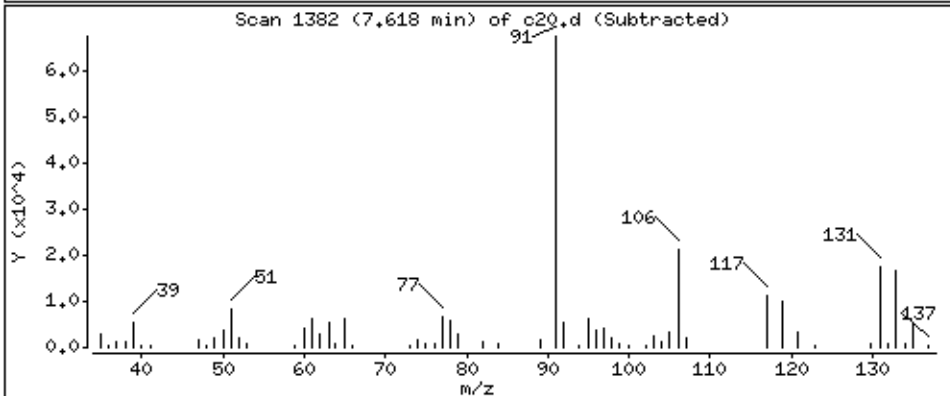
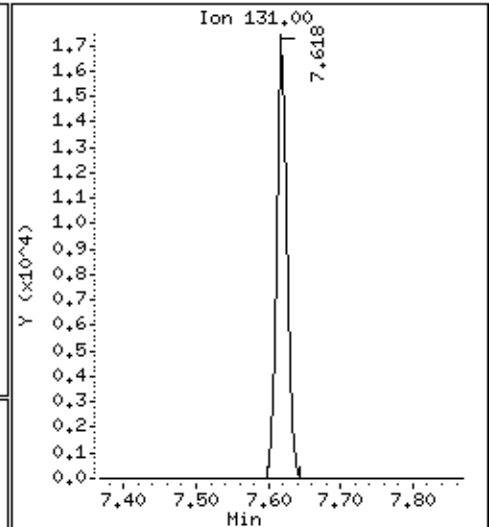
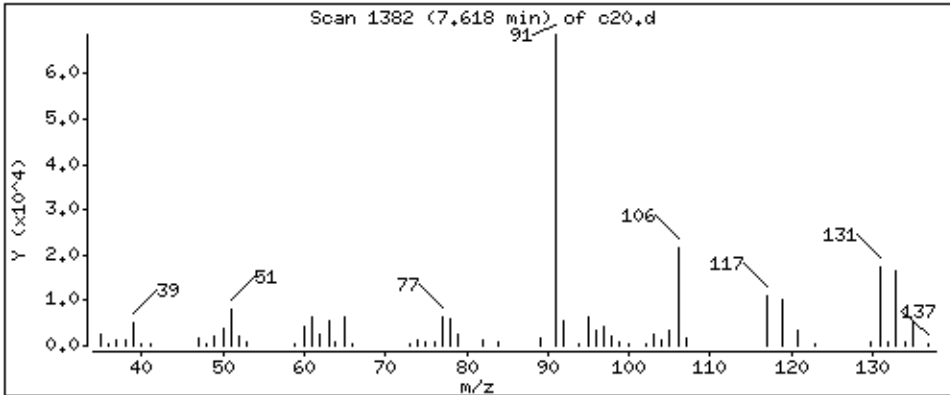
Column phase: DB-624

Column diameter: 0,18

64 1,1,1,2-Tetrachloroethane

Concentration: 41.4 ppb

Review Code:



Date : 03-JUL-2014 08:15

Client ID: THW-6(2-4)MS

Instrument: 50mv3a.i

Sample Info: 1122066,71089;5

Operator: jlz

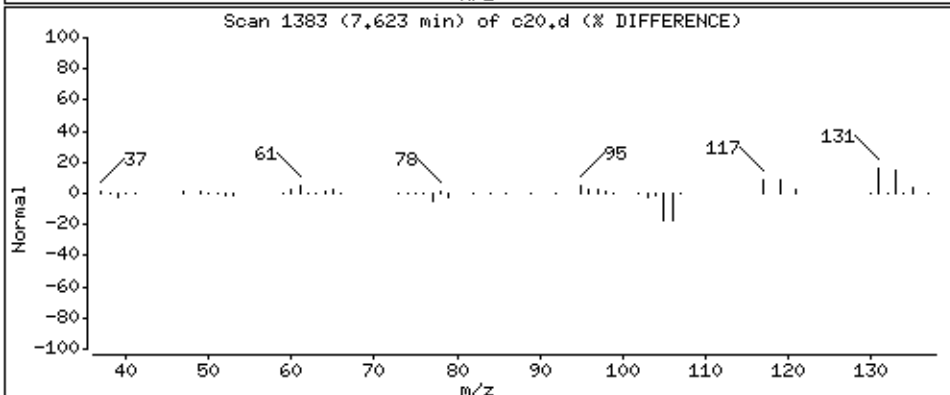
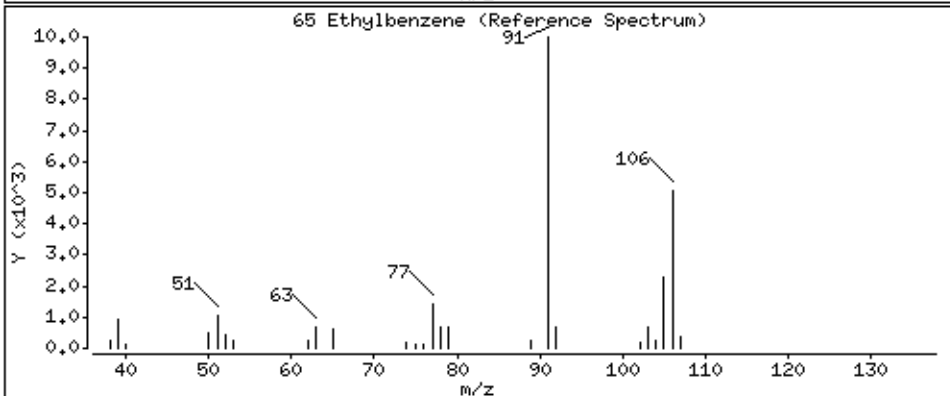
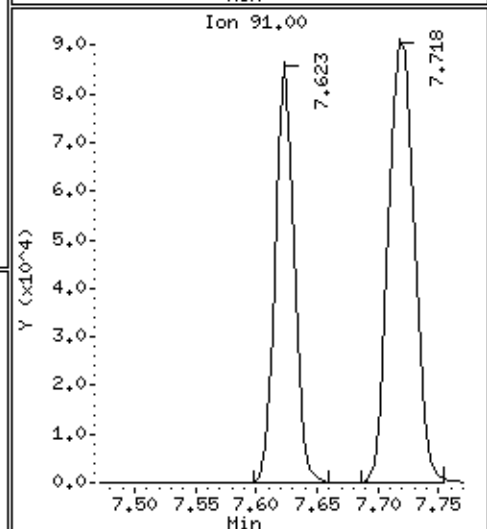
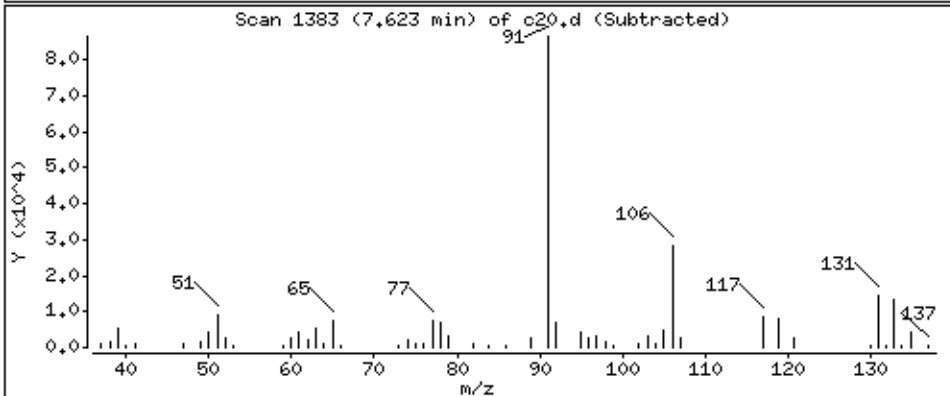
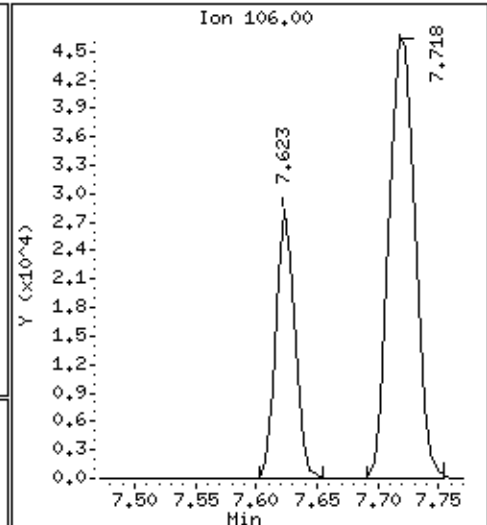
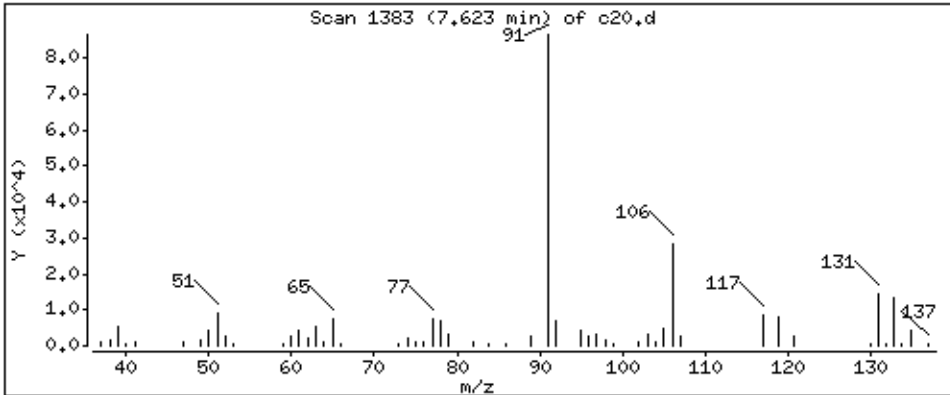
Column phase: DB-624

Column diameter: 0,18

65 Ethylbenzene

Concentration: 33,9 ppb

Review Code:



Date : 03-JUL-2014 08:15

Client ID: THW-6(2-4)MS

Instrument: 50mw3a.i

Sample Info: 1122066,71089;5

Operator: jlz

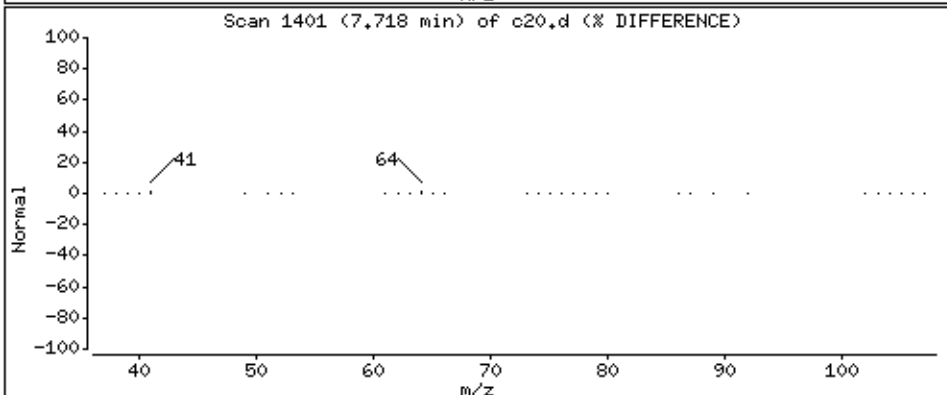
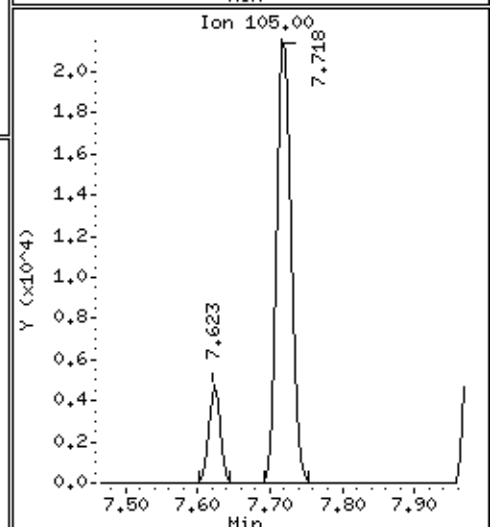
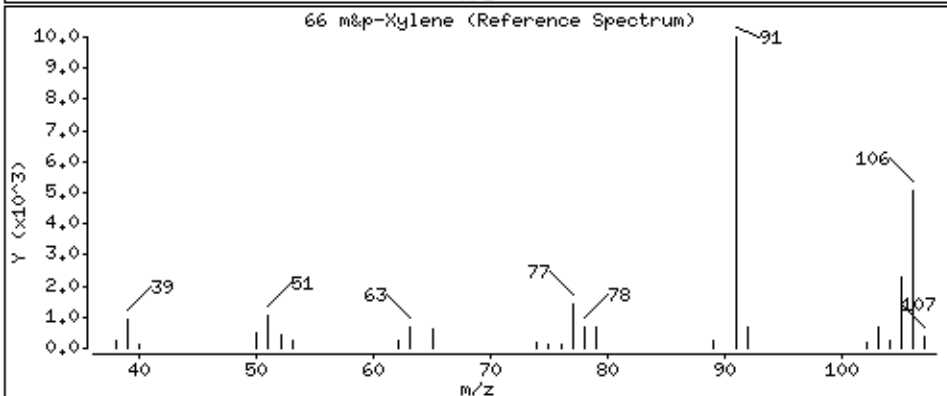
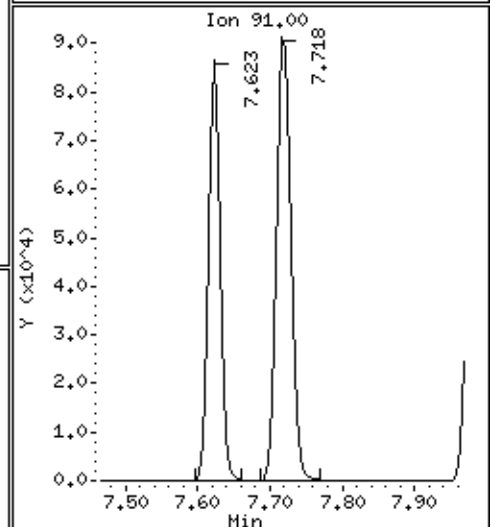
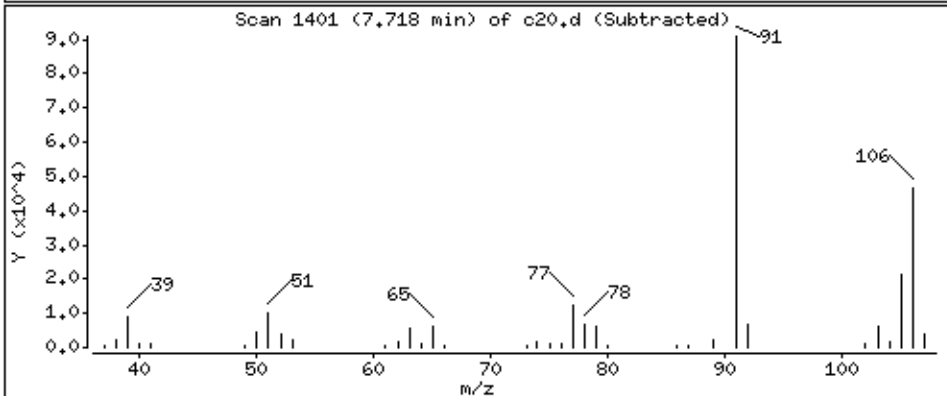
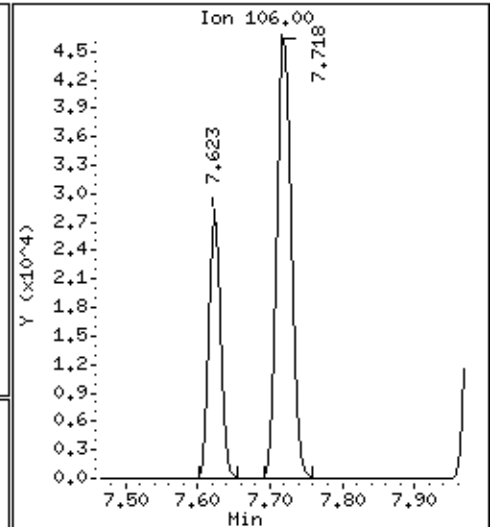
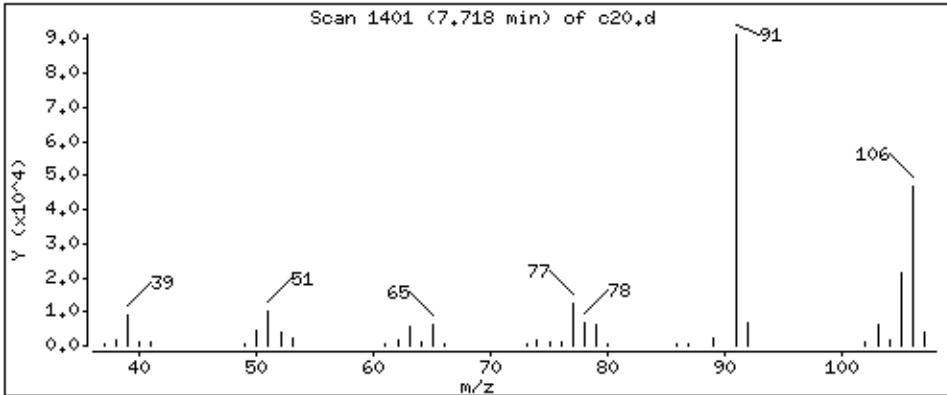
Column phase: DB-624

Column diameter: 0,18

66 m&p-Xylene

Concentration: 62.7 ppb

Review Code:



Date : 03-JUL-2014 08:15

Client ID: THW-6(2-4)MS

Instrument: 50mw3a.i

Sample Info: 1122066,71089;5

Operator: jlz

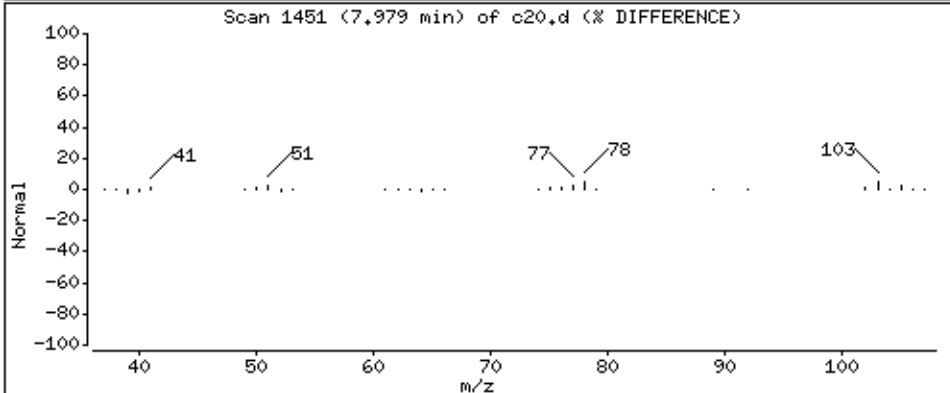
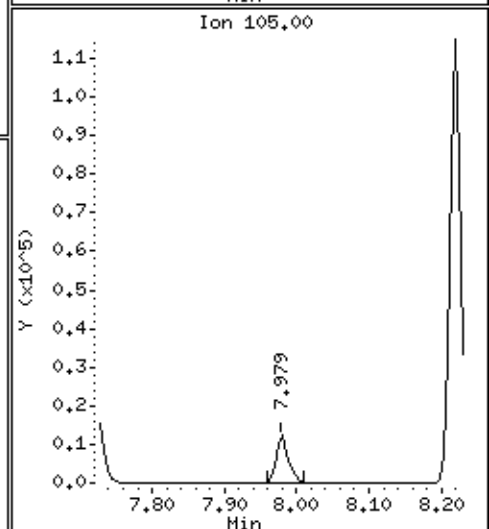
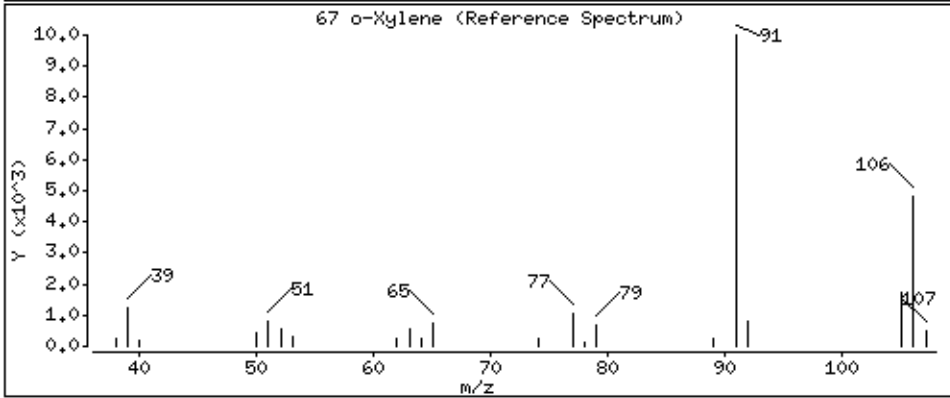
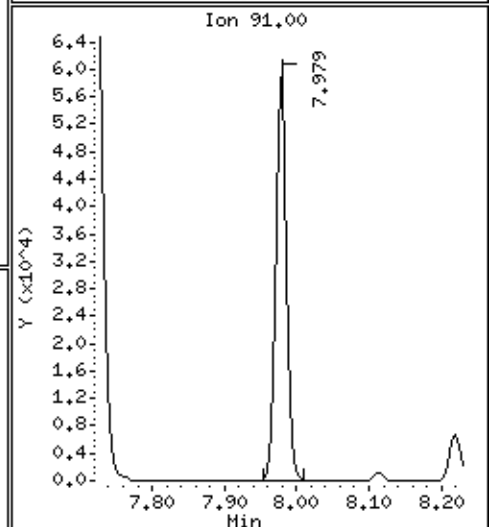
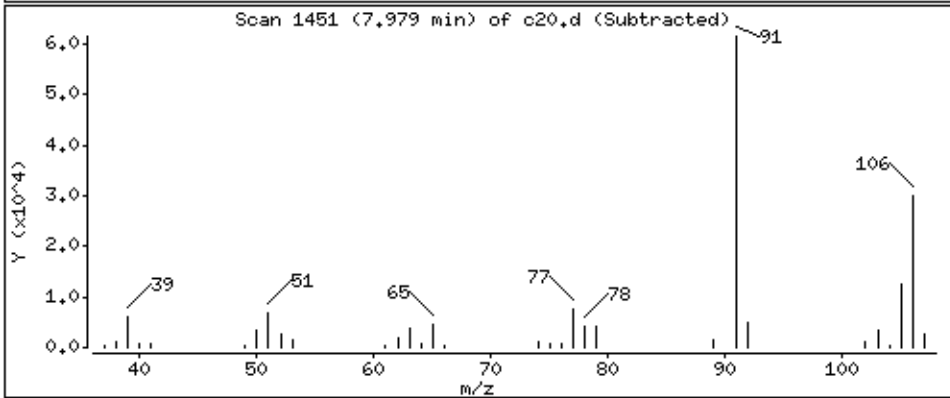
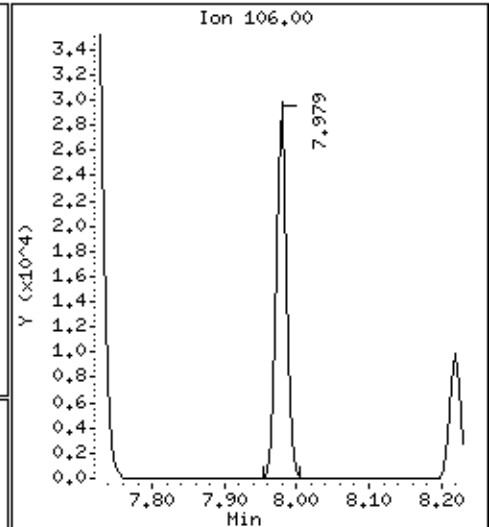
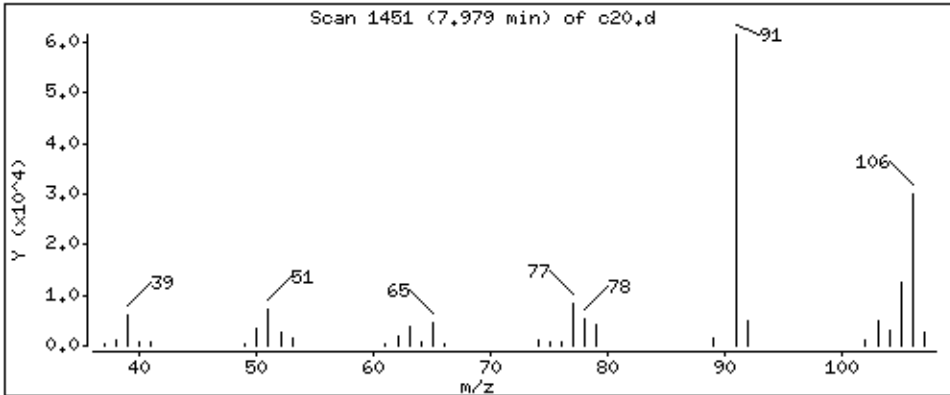
Column phase: DB-624

Column diameter: 0,18

67 o-Xylene

Concentration: 31,2 ppb

Review Code:



Date : 03-JUL-2014 08:15

Client ID: THW-6(2-4)MS

Instrument: 50mv3a.i

Sample Info: 1122066,71089;5

Operator: jlz

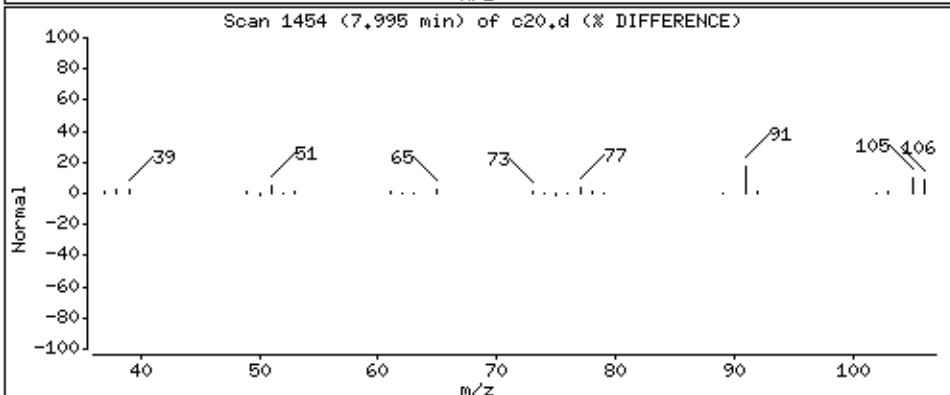
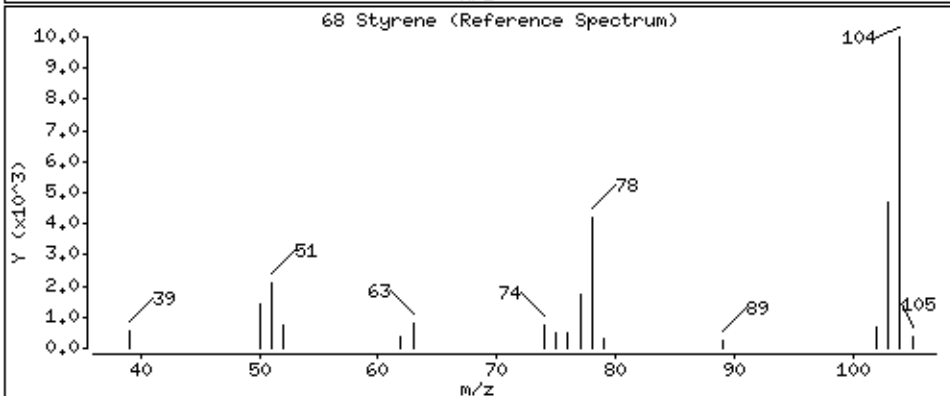
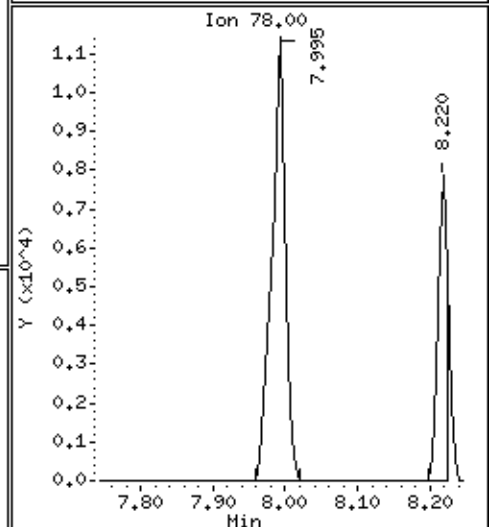
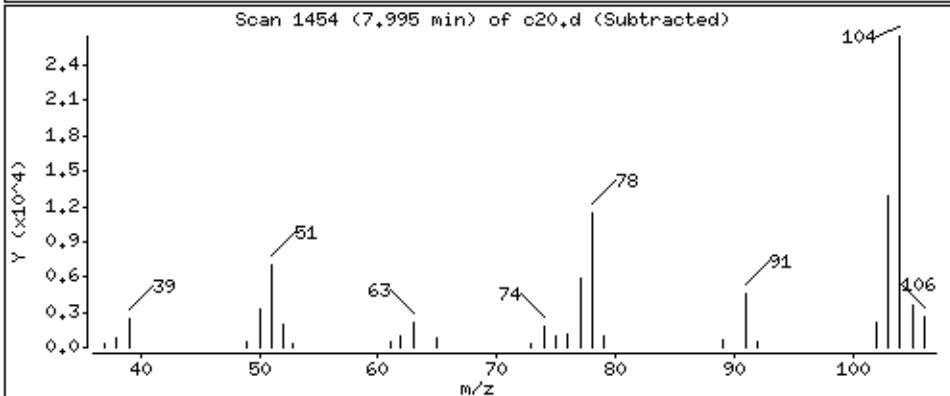
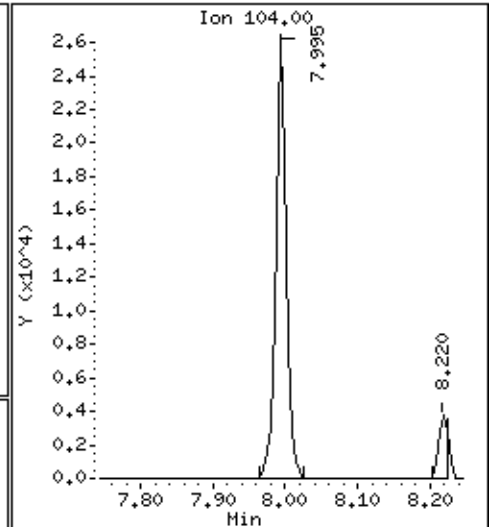
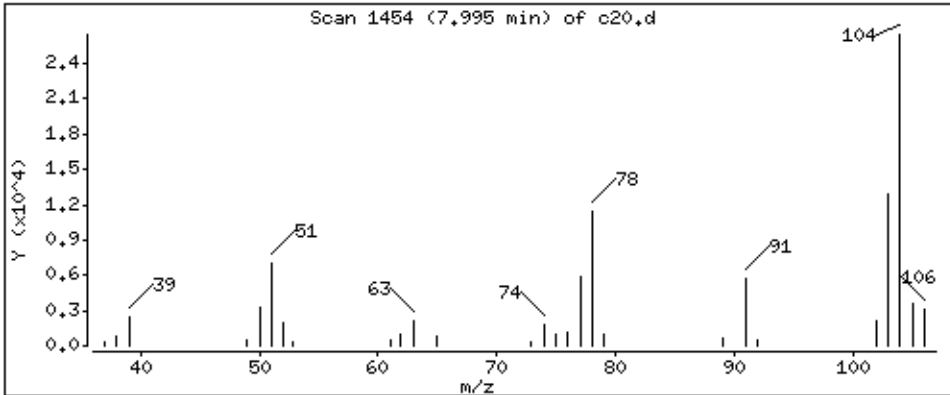
Column phase: DB-624

Column diameter: 0,18

68 Styrene

Concentration: 16,8 ppb

Review Code:



Date : 03-JUL-2014 08:15

Client ID: THW-6(2-4)MS

Instrument: 50mv3a.i

Sample Info: 1122066,71089;5

Operator: jlz

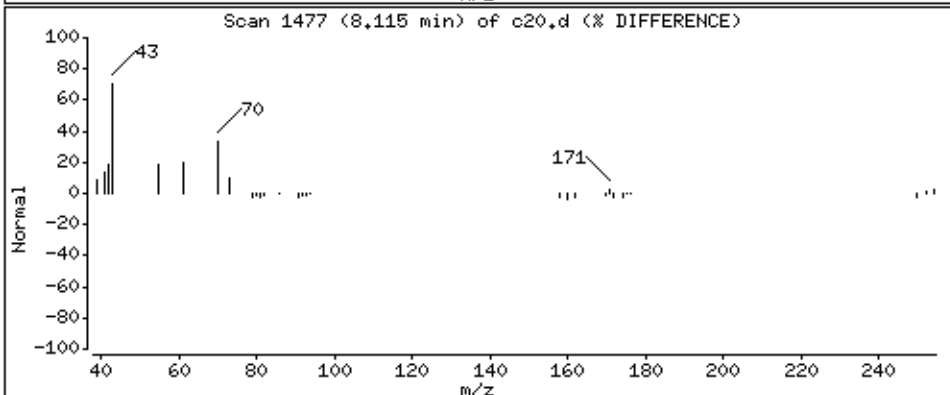
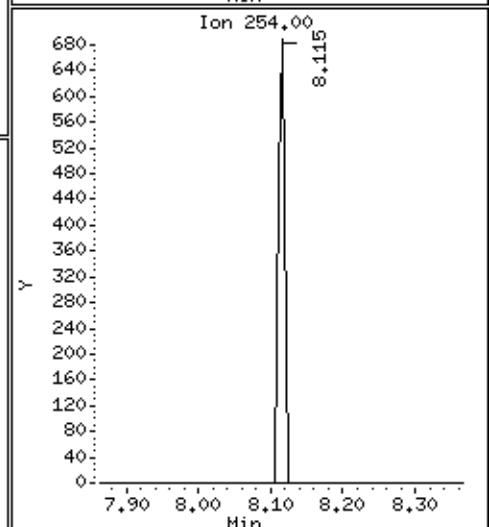
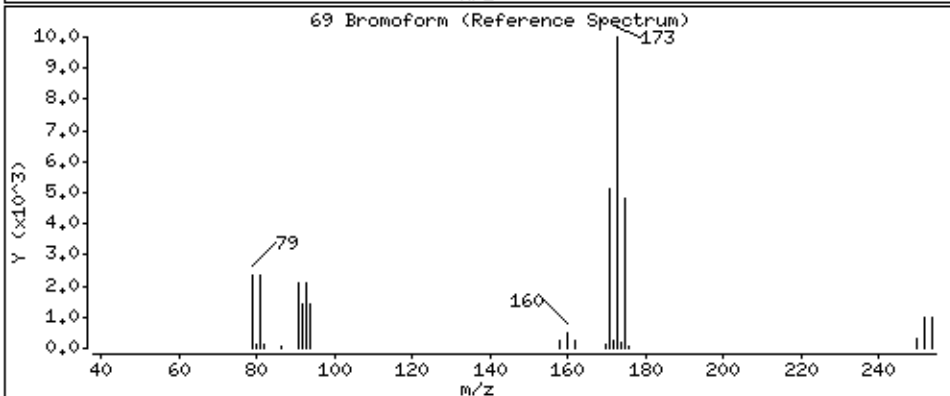
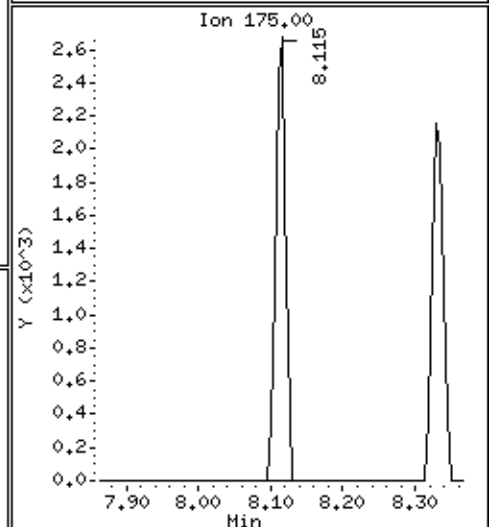
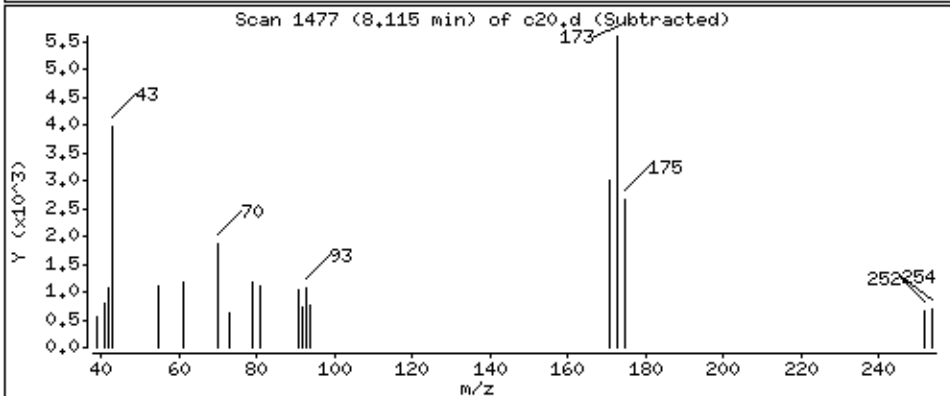
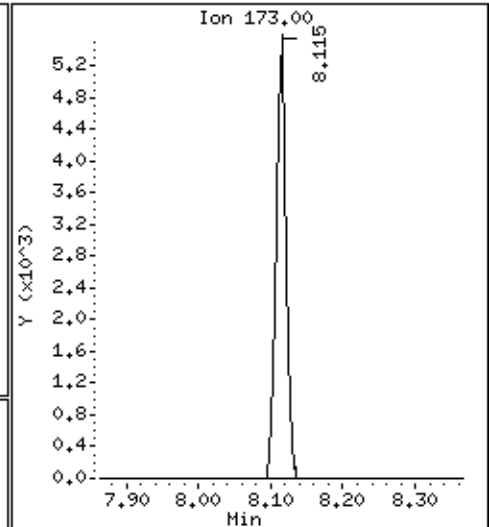
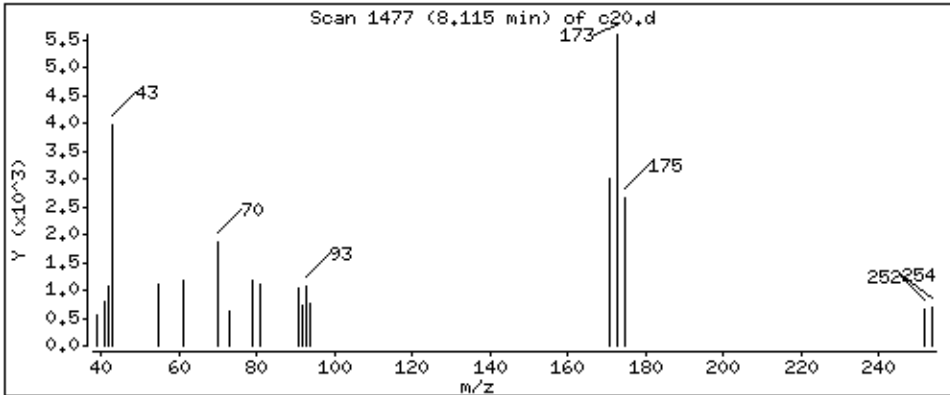
Column phase: DB-624

Column diameter: 0,18

69 Bromoform

Concentration: 28,2 ppb

Review Code:



Date : 03-JUL-2014 08:15

Client ID: THW-6(2-4)MS

Instrument: 50mv3a.i

Sample Info: 1122066,71089;5

Operator: jlz

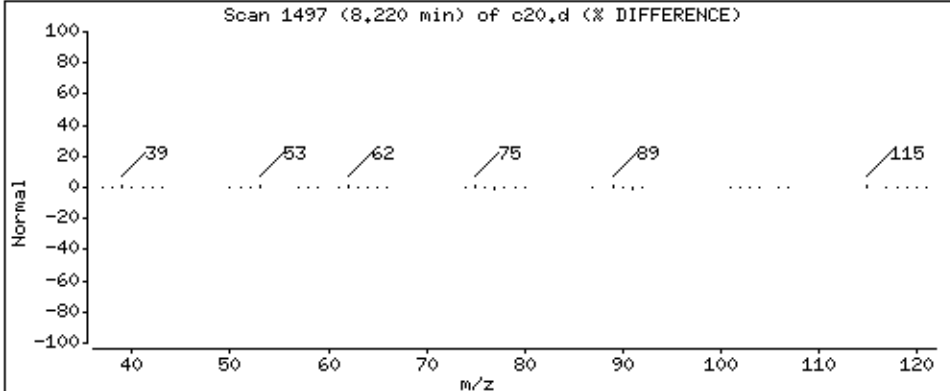
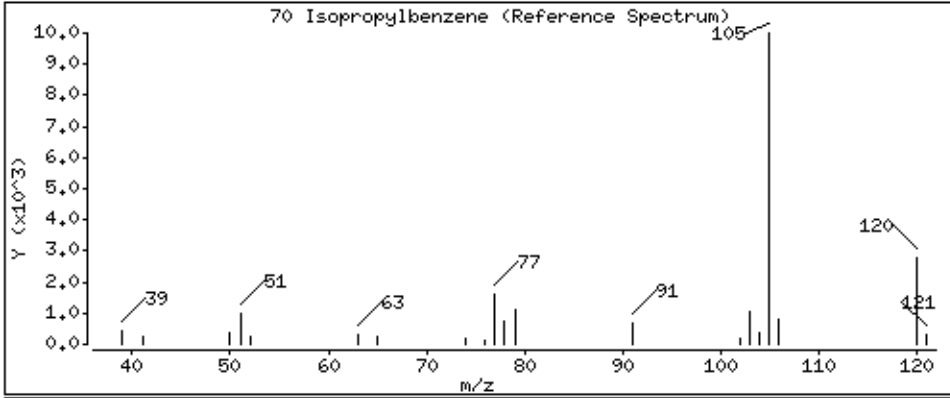
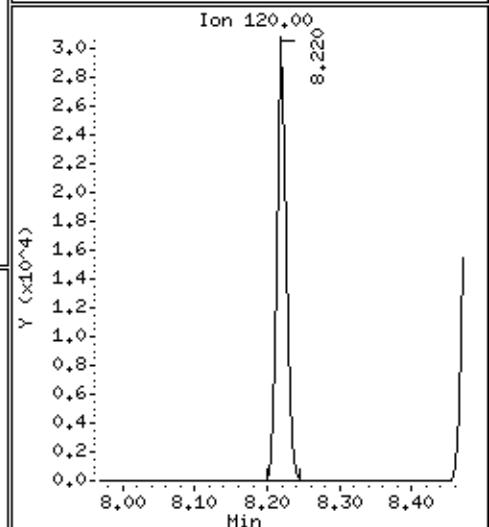
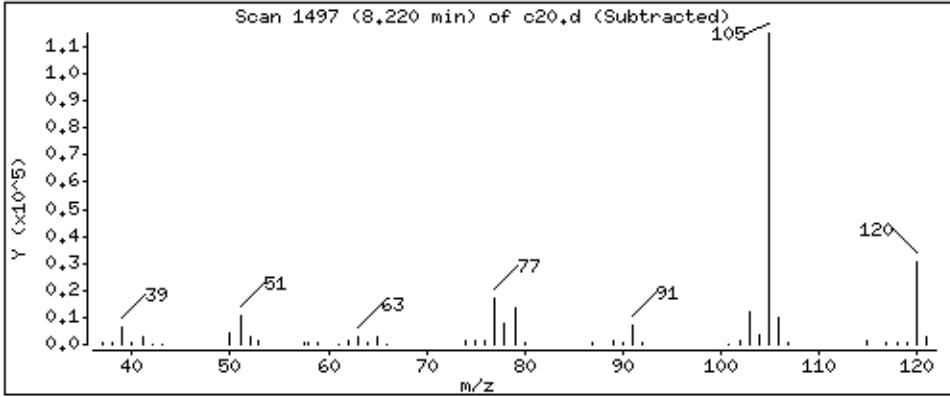
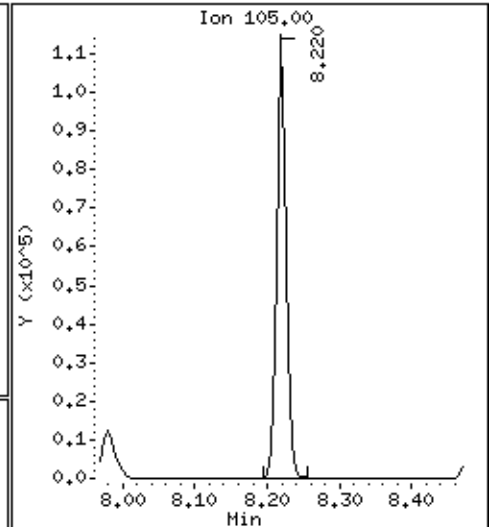
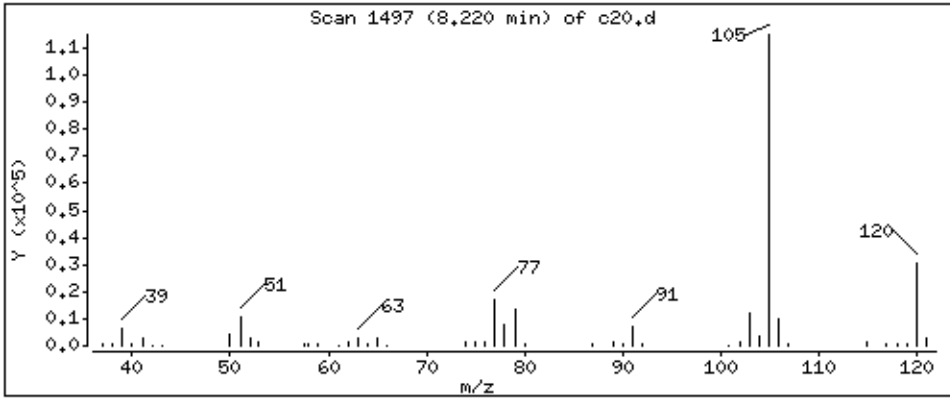
Column phase: DB-624

Column diameter: 0,18

70 Isopropylbenzene

Concentration: 38,8 ppb

Review Code:



Date : 03-JUL-2014 08:15

Client ID: THW-6(2-4)MS

Instrument: 50mv3a.i

Sample Info: 1122066,71089;5

Operator: jlz

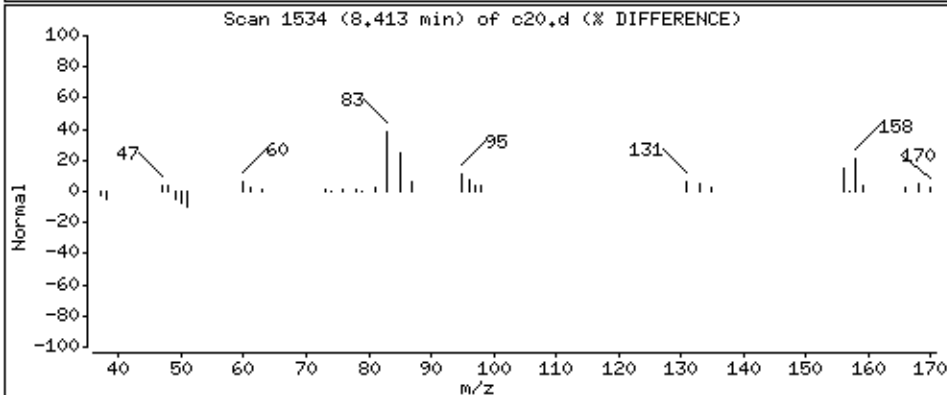
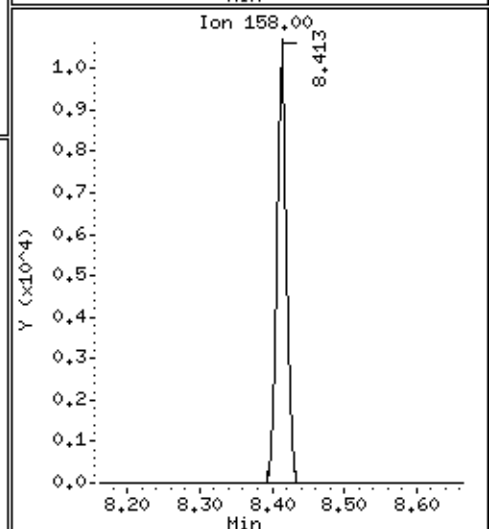
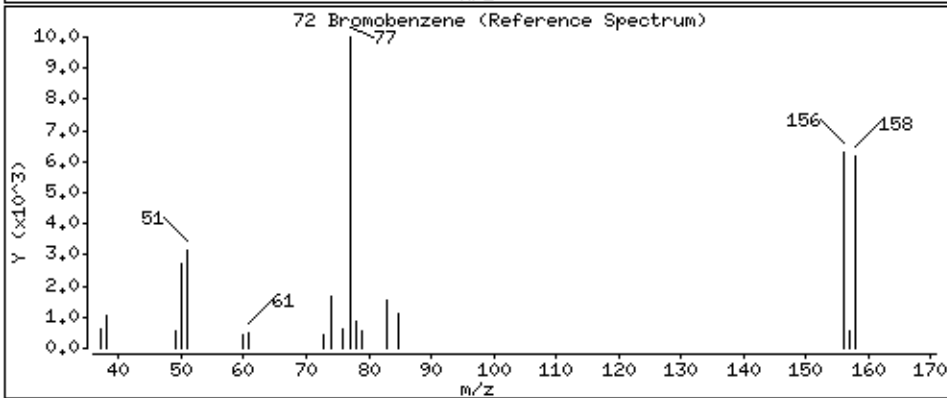
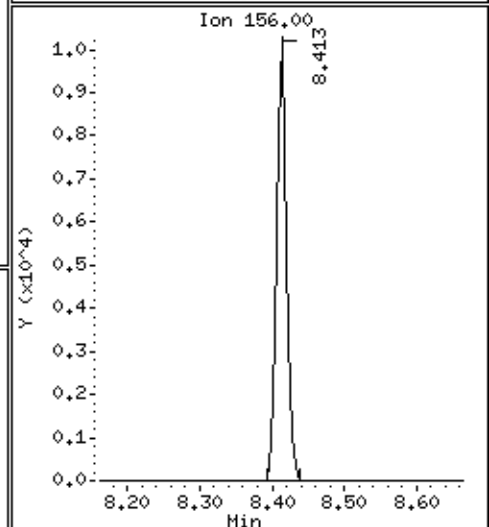
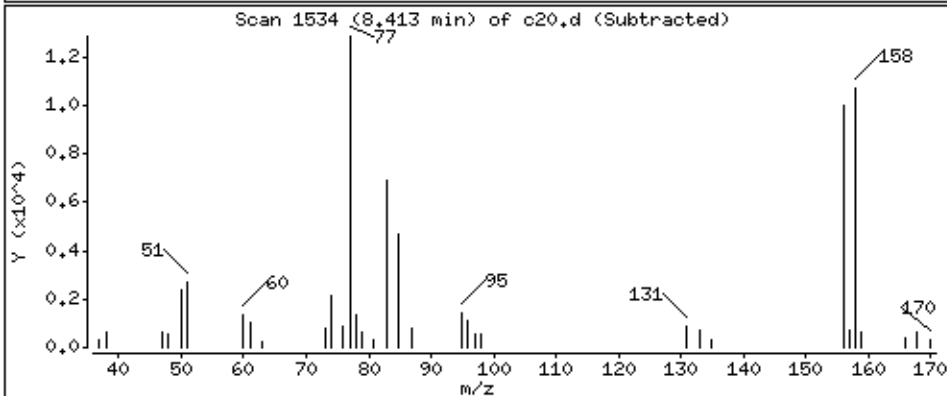
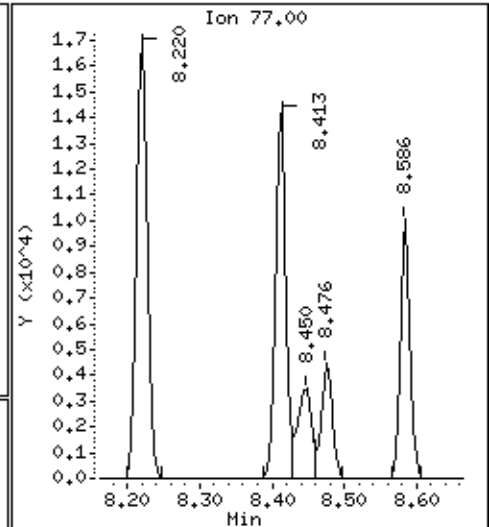
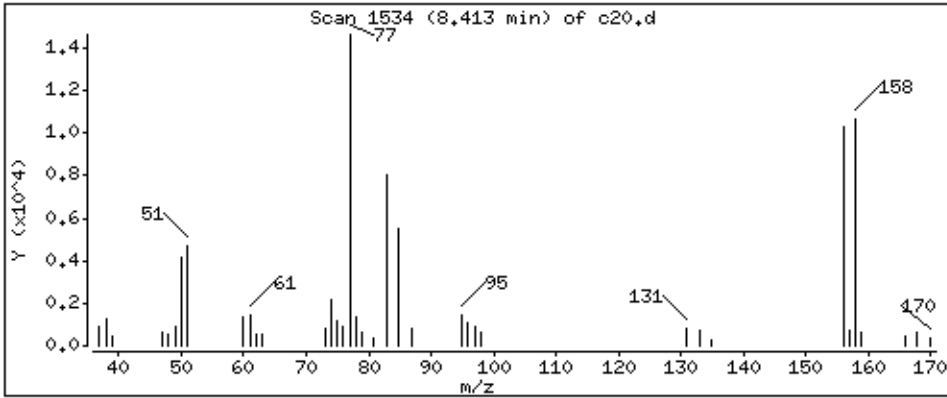
Column phase: DB-624

Column diameter: 0,18

72 Bromobenzene

Concentration: 15,7 ppb

Review Code:



Date : 03-JUL-2014 08:15

Client ID: THW-6(2-4)MS

Instrument: 50mw3a.i

Sample Info: 1122066,71089;5

Operator: jlz

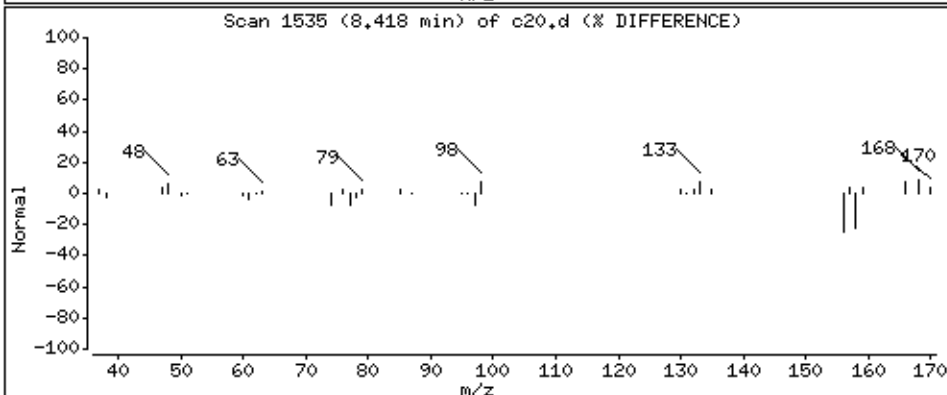
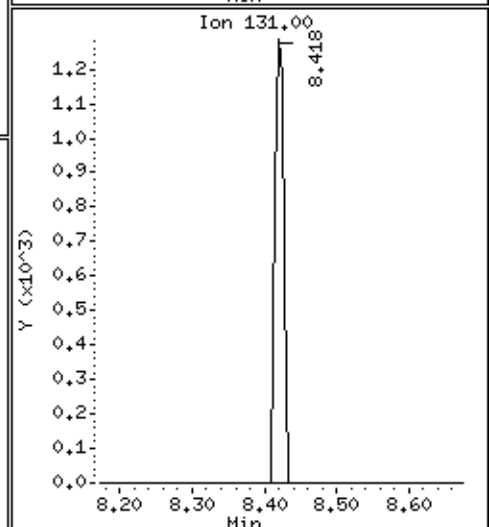
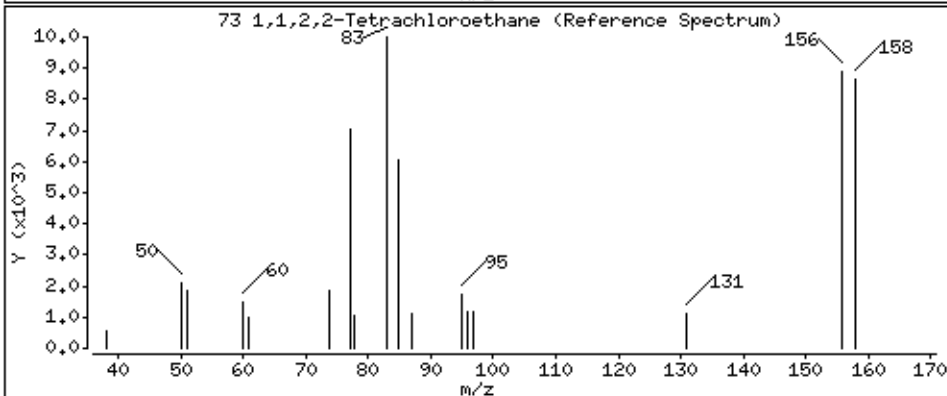
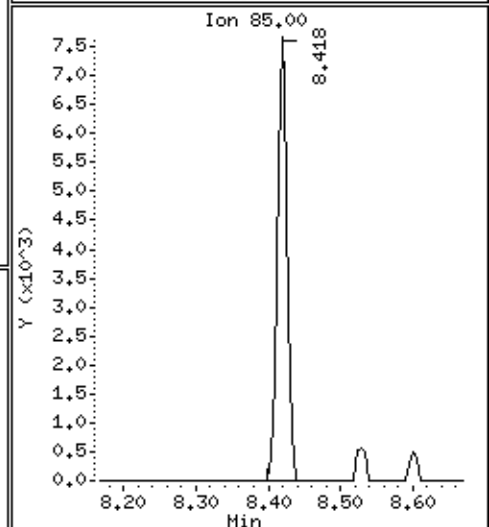
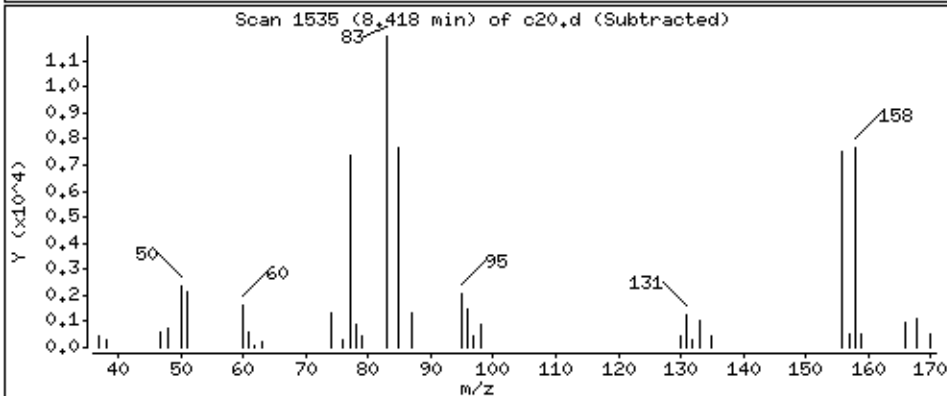
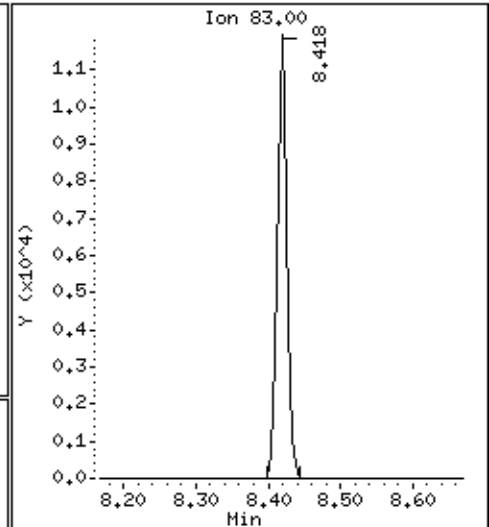
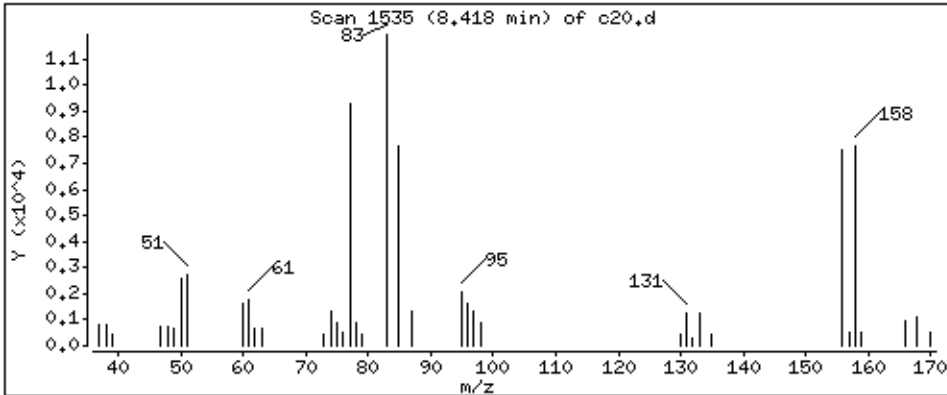
Column phase: DB-624

Column diameter: 0,18

73 1,1,2,2-Tetrachloroethane

Concentration: 30,0 ppb

Review Code:



Date : 03-JUL-2014 08:15

Client ID: THW-6(2-4)MS

Instrument: 50mv3a.i

Sample Info: 1122066,71089;5

Operator: jlz

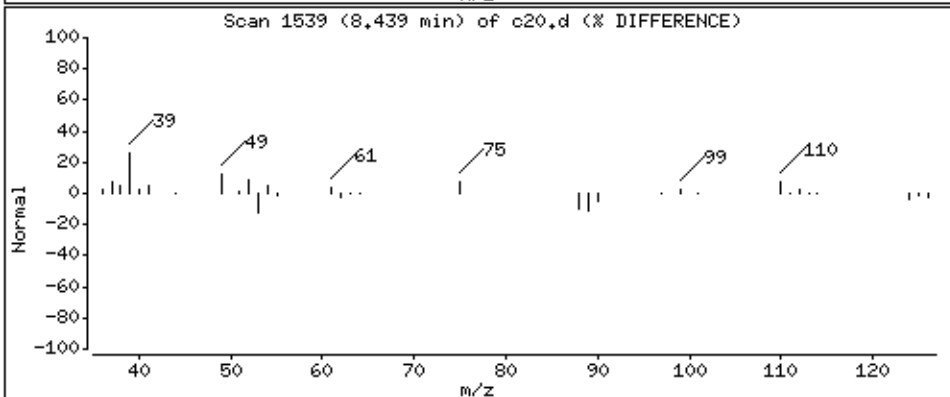
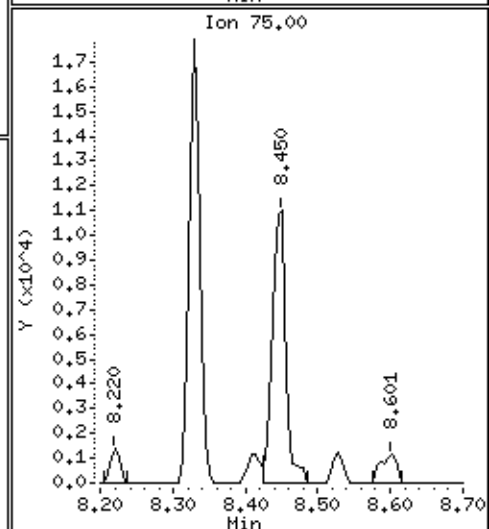
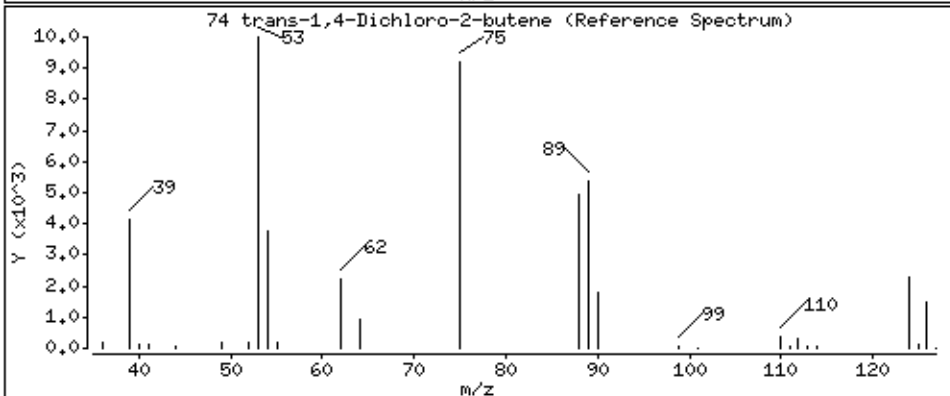
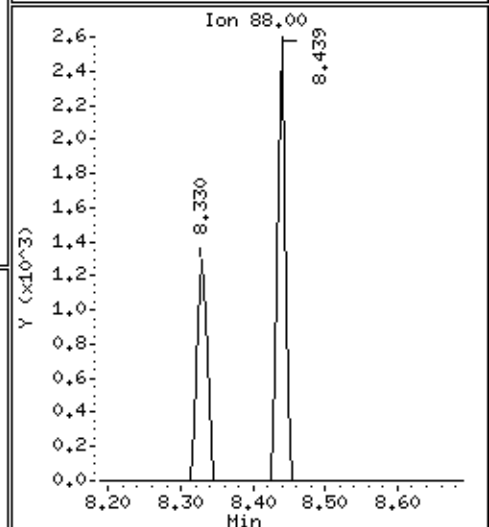
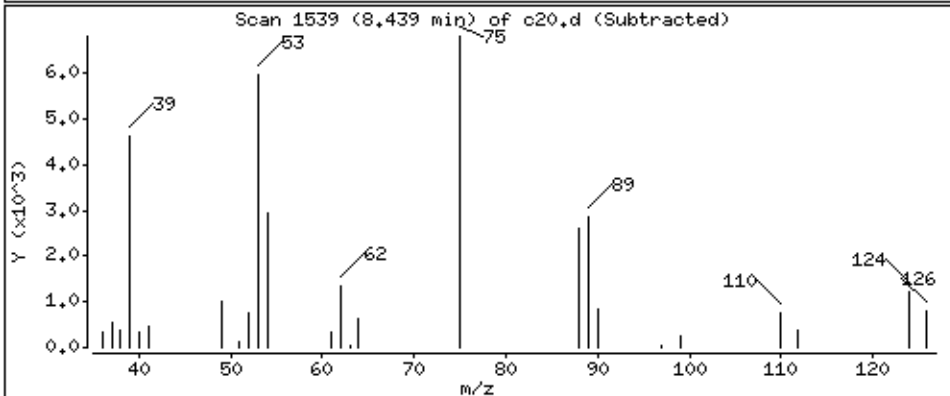
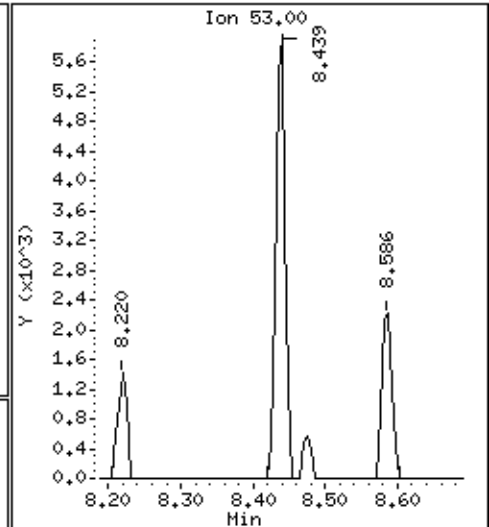
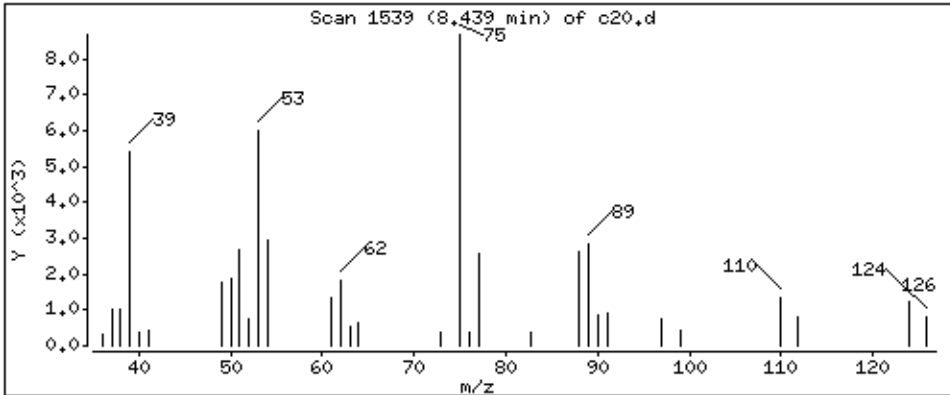
Column phase: DB-624

Column diameter: 0,18

74 trans-1,4-Dichloro-2-butene

Concentration: 61,0 ppb

Review Code:



Date : 03-JUL-2014 08:15

Client ID: THW-6(2-4)MS

Instrument: 50mv3a.i

Sample Info: 1122066,71089;5

Operator: jlz

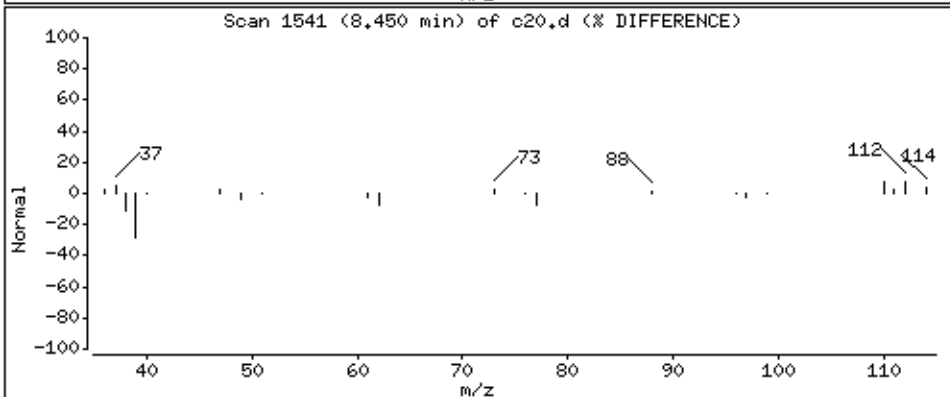
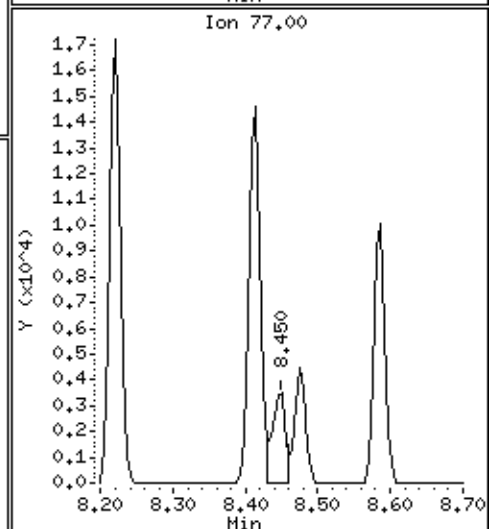
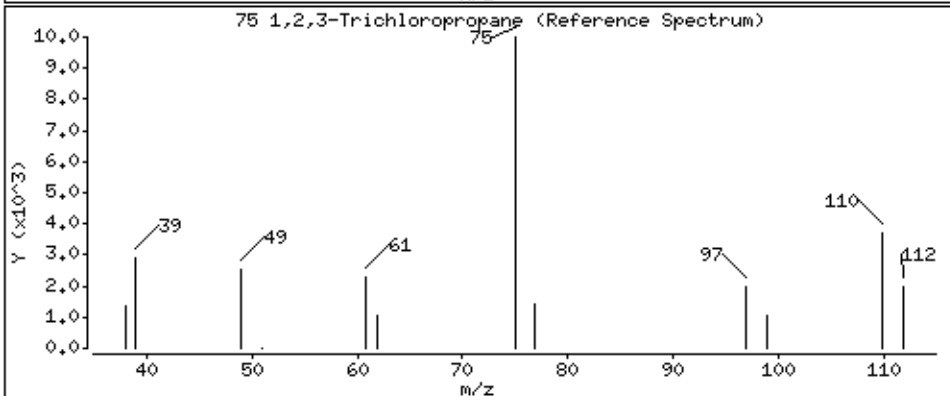
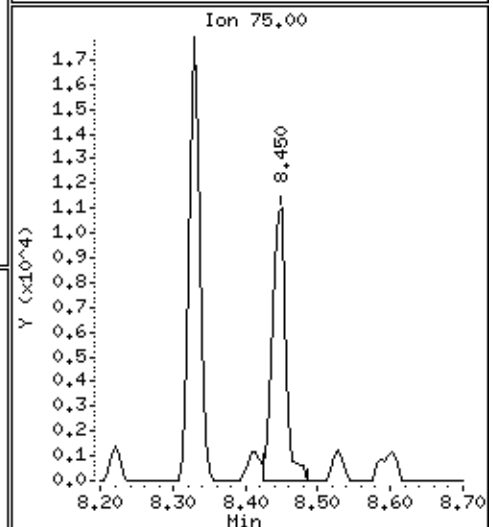
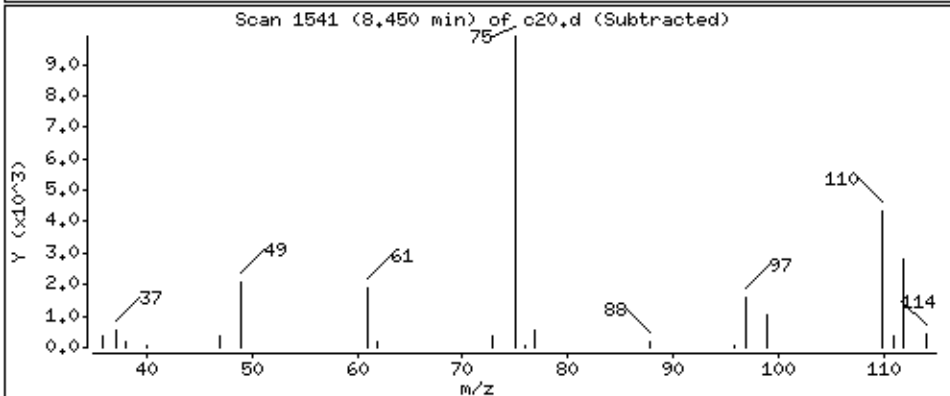
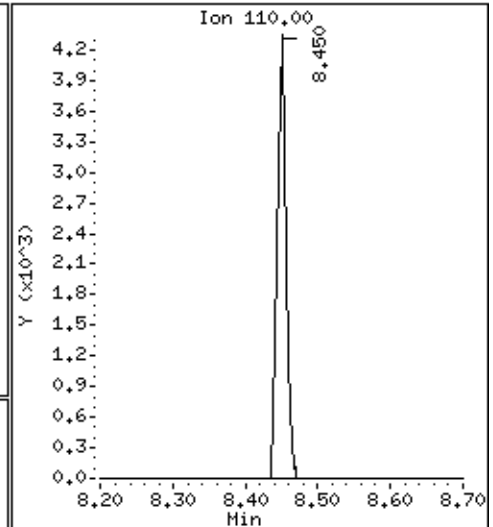
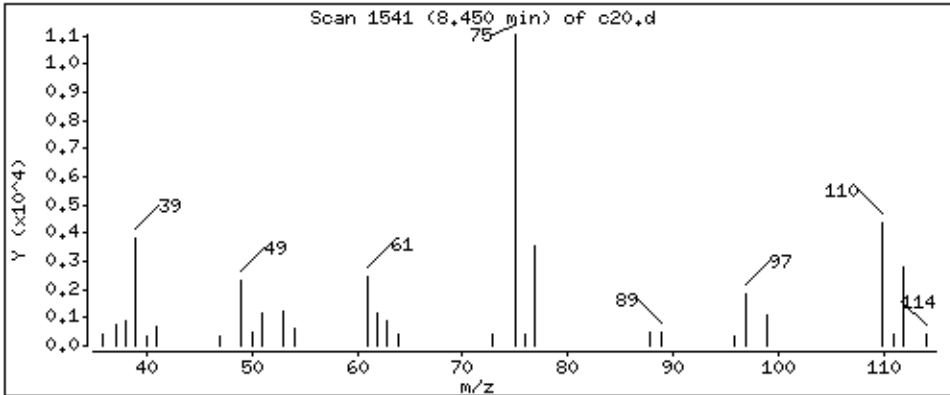
Column phase: DB-624

Column diameter: 0,18

75 1,2,3-Trichloropropane

Concentration: 31.2 ppb

Review Code:



Date : 03-JUL-2014 08:15

Client ID: THW-6(2-4)MS

Instrument: 50mv3a.i

Sample Info: 1122066,71089;5

Operator: jlz

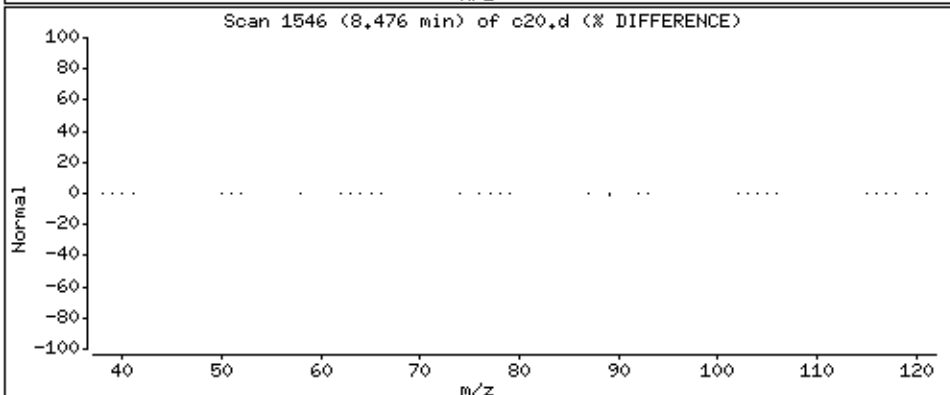
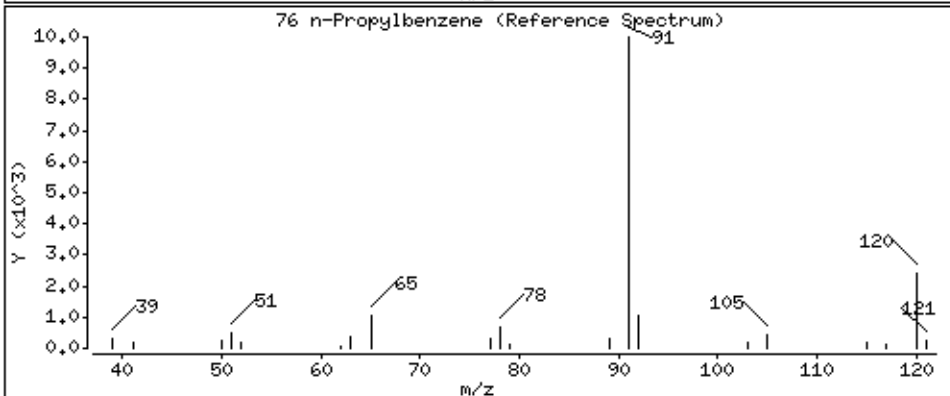
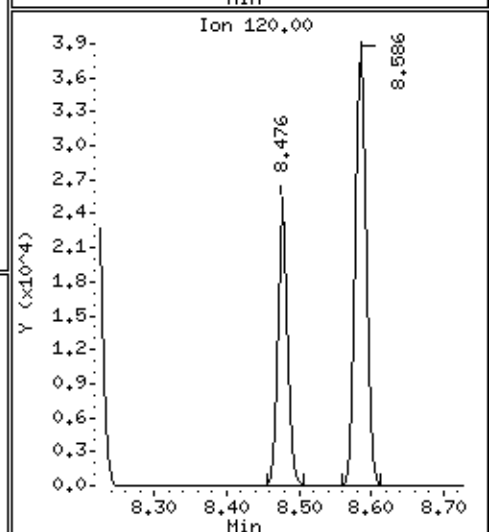
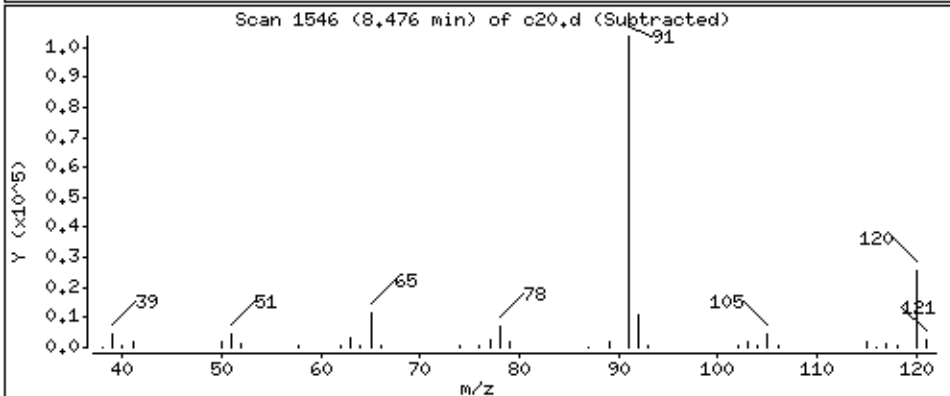
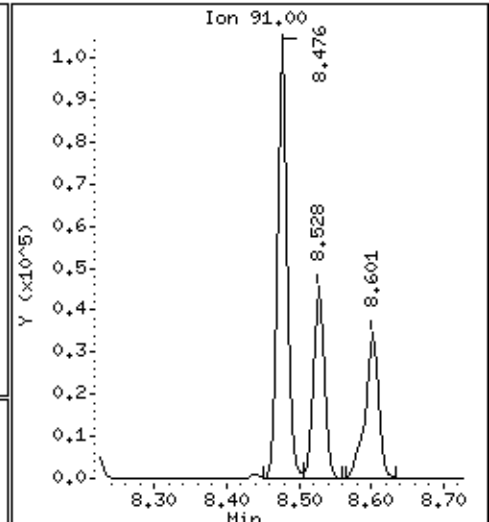
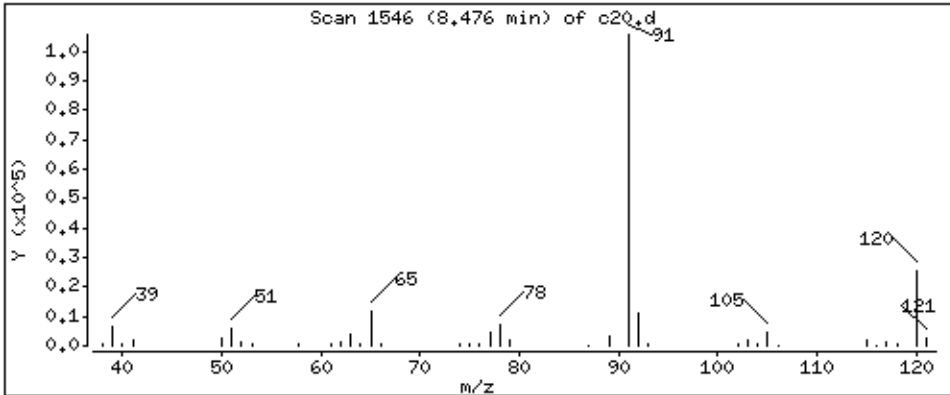
Column phase: DB-624

Column diameter: 0,18

76 n-Propylbenzene

Concentration: 30,0 ppb

Review Code:



Date : 03-JUL-2014 08:15

Client ID: THW-6(2-4)MS

Instrument: 50mv3a.i

Sample Info: 1122066,71089;5

Operator: jlj

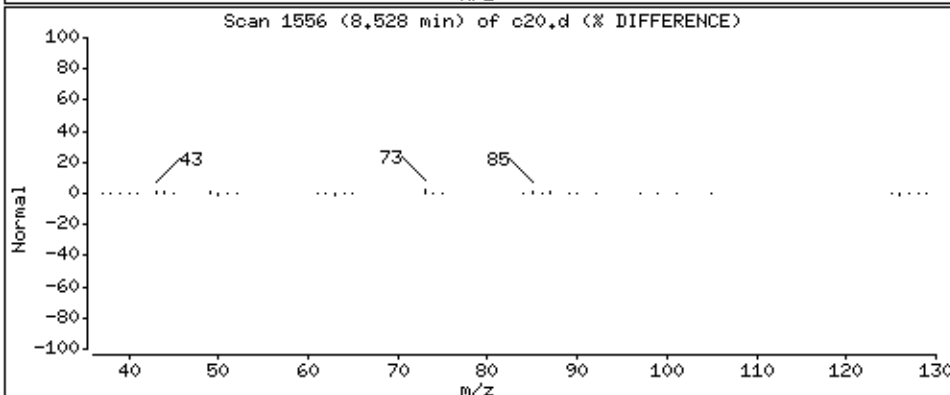
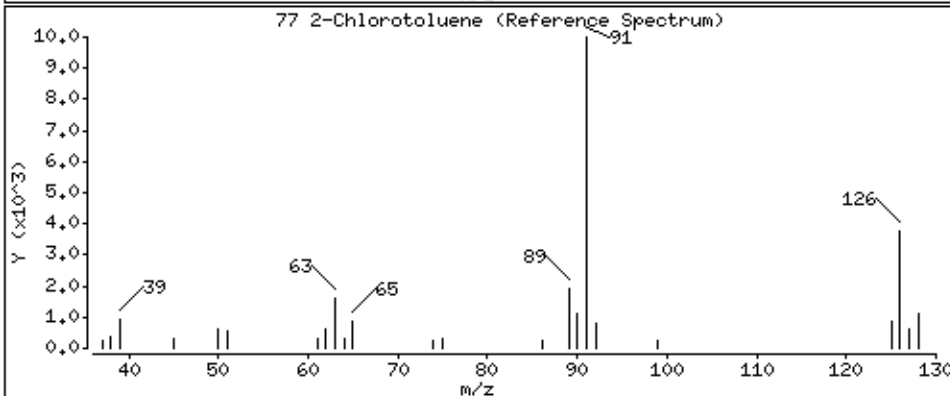
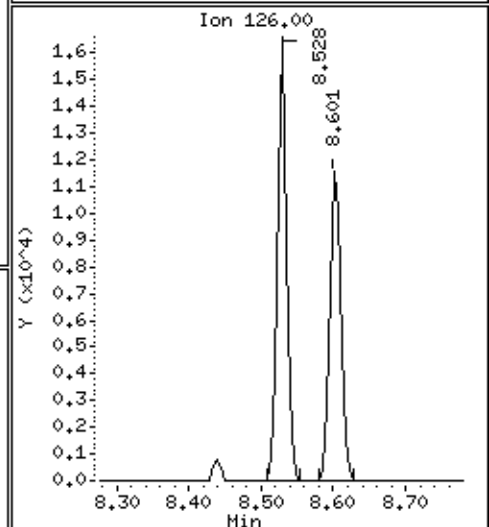
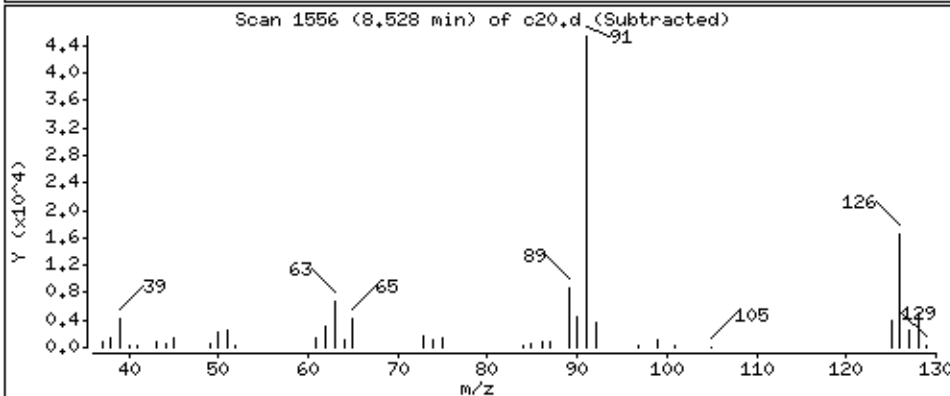
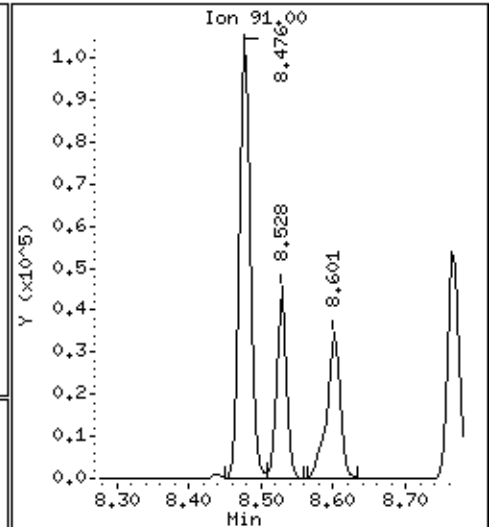
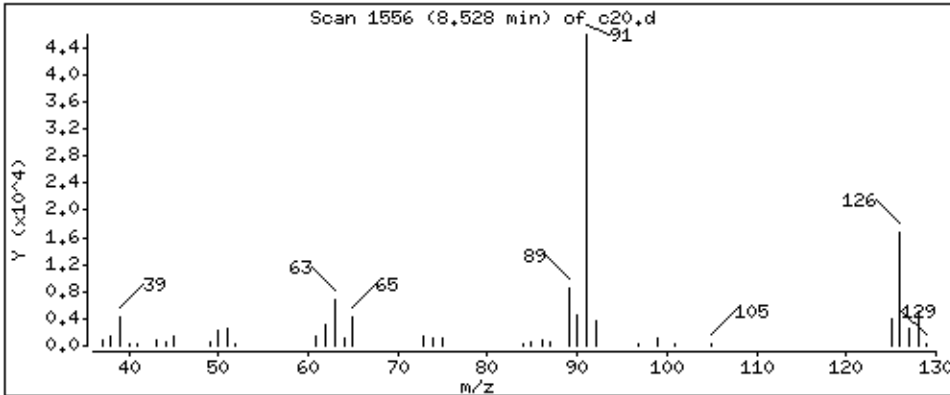
Column phase: DB-624

Column diameter: 0,18

77 2-Chlorotoluene

Concentration: 23,2 ppb

Review Code:



Date : 03-JUL-2014 08:15

Client ID: THW-6(2-4)MS

Instrument: 50mv3a.i

Sample Info: 1122066,71089;5

Operator: jlz

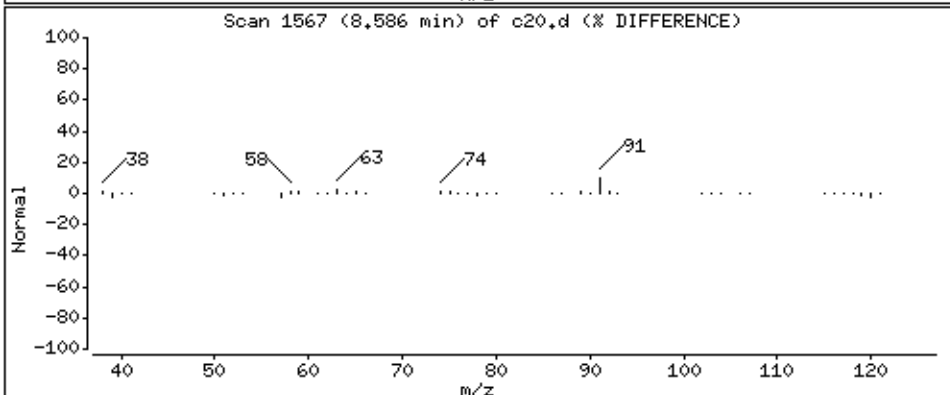
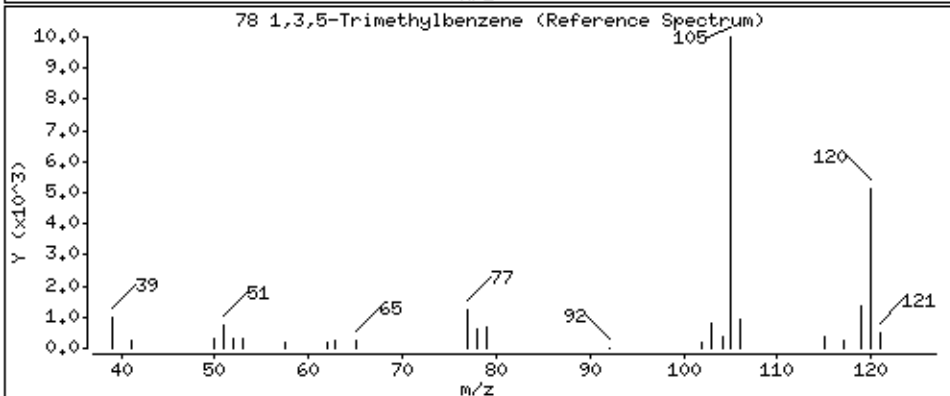
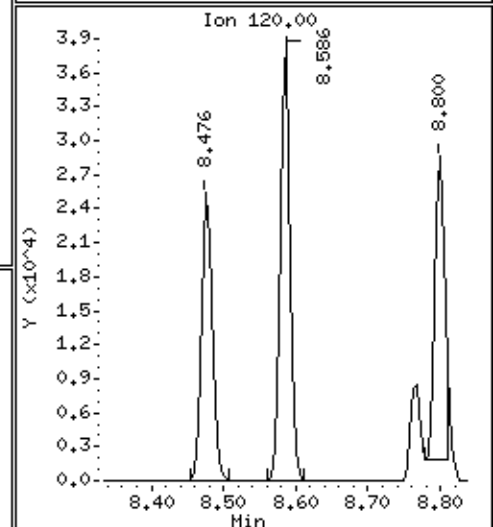
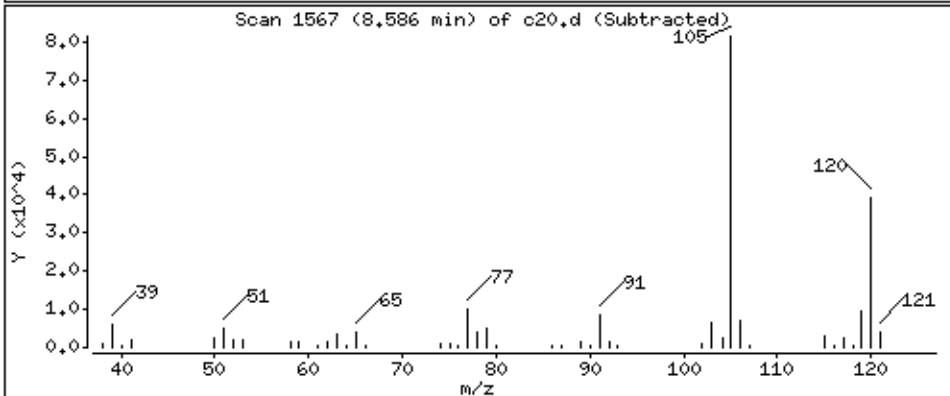
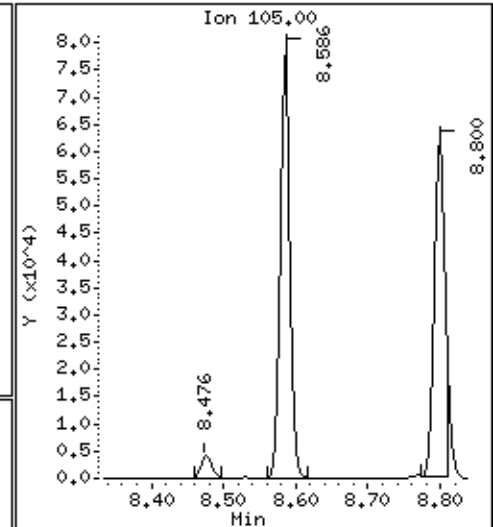
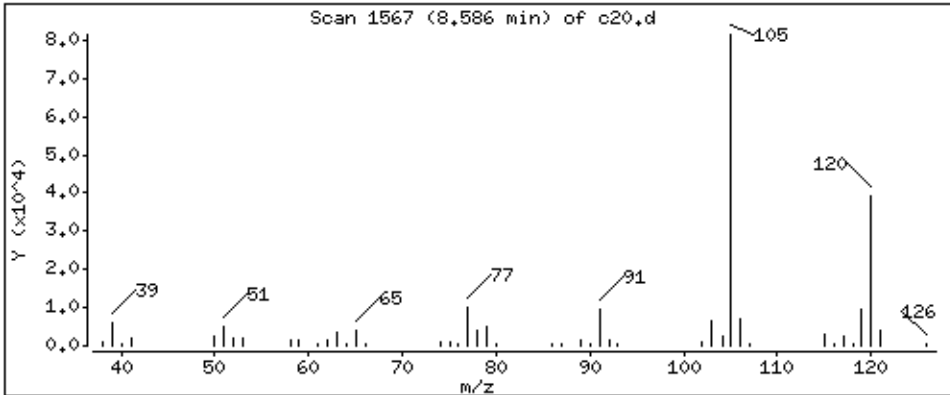
Column phase: DB-624

Column diameter: 0,18

78 1,3,5-Trimethylbenzene

Concentration: 30,6 ppb

Review Code:



Date : 03-JUL-2014 08:15

Client ID: THW-6(2-4)MS

Instrument: 50mv3a.i

Sample Info: 1122066,71089;5

Operator: jlz

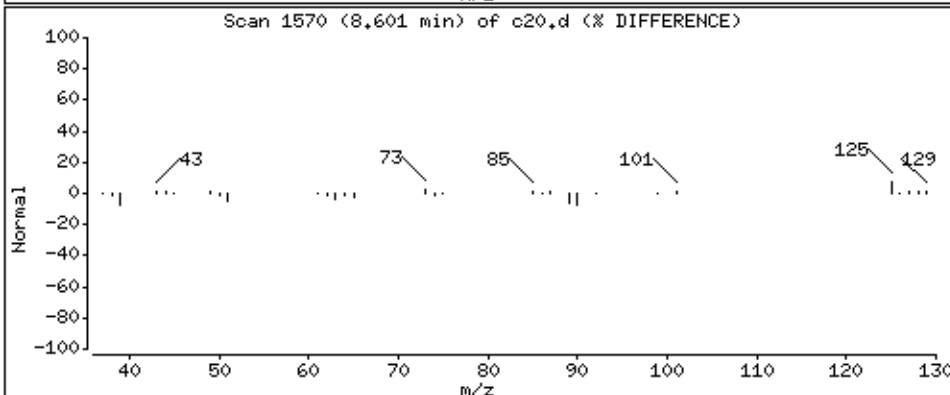
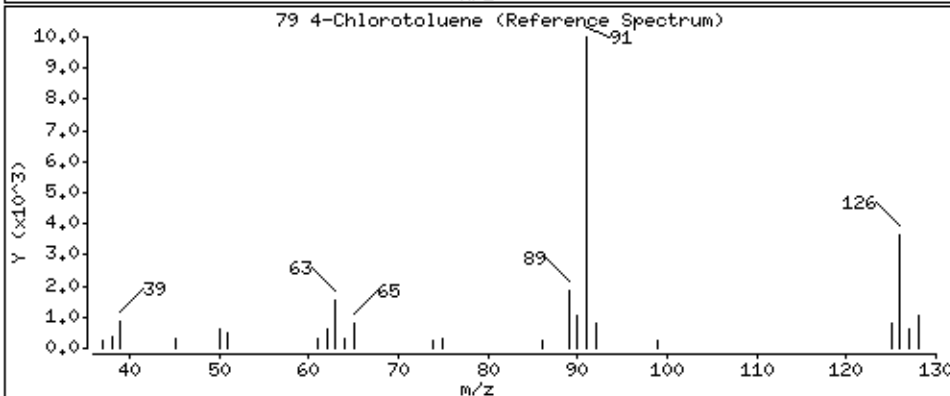
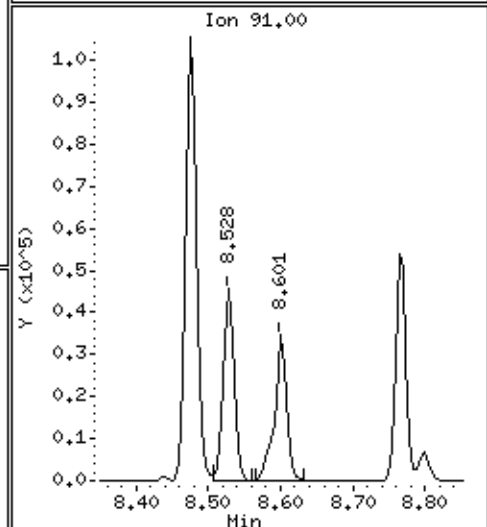
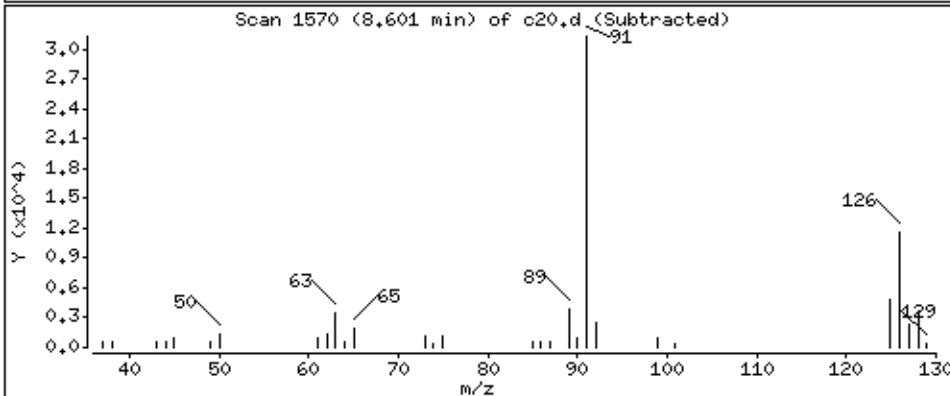
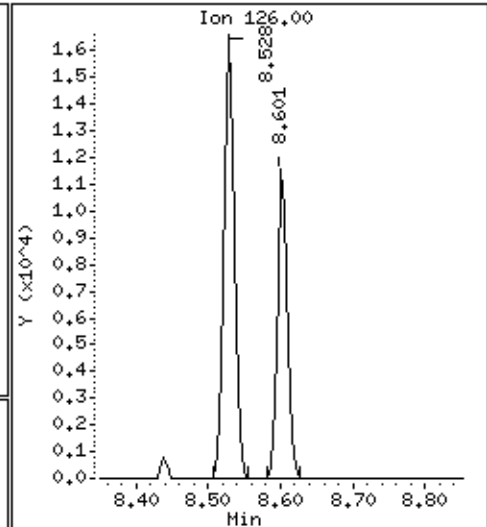
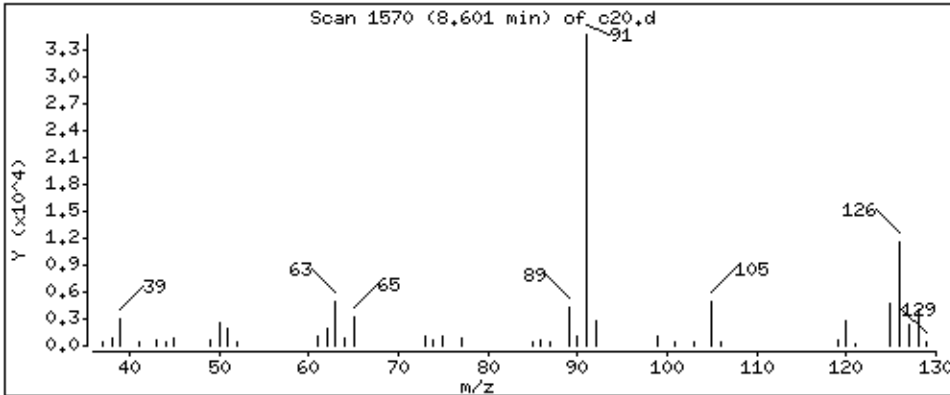
Column phase: DB-624

Column diameter: 0,18

79 4-Chlorotoluene

Concentration: 17.4 ppb

Review Code:



Date : 03-JUL-2014 08:15

Client ID: THW-6(2-4)MS

Instrument: 50mv3a.i

Sample Info: 1122066,71089;5

Operator: jlz

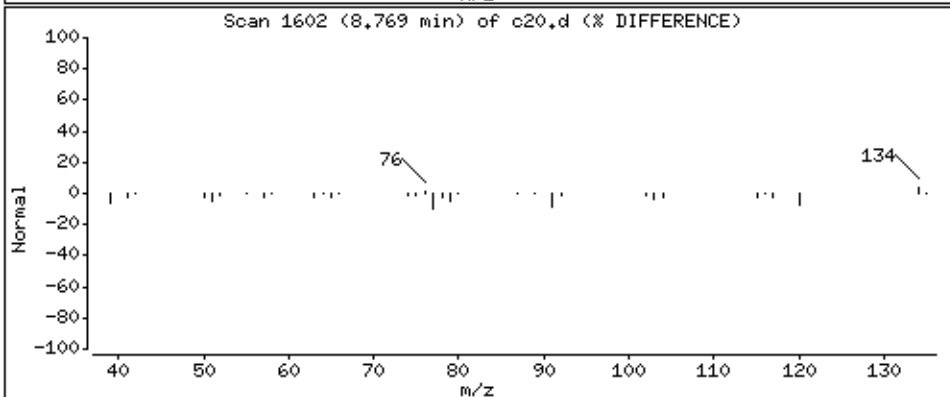
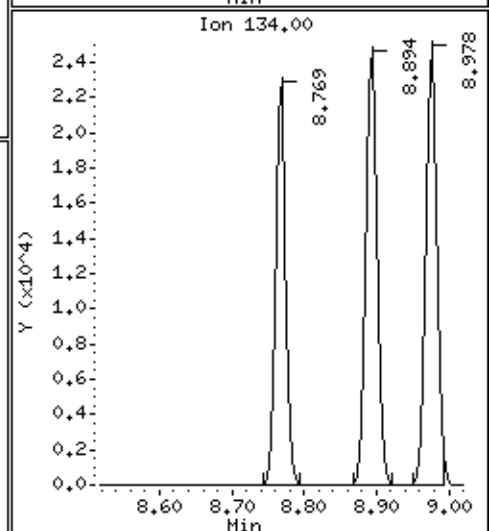
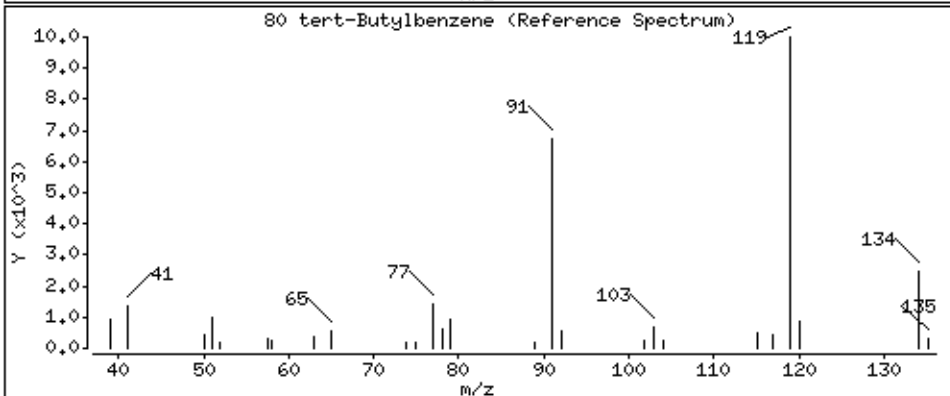
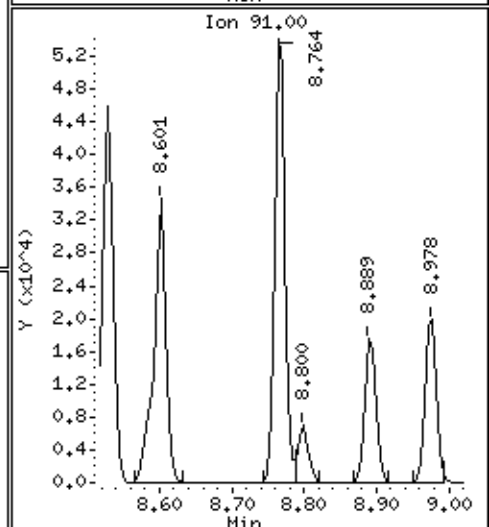
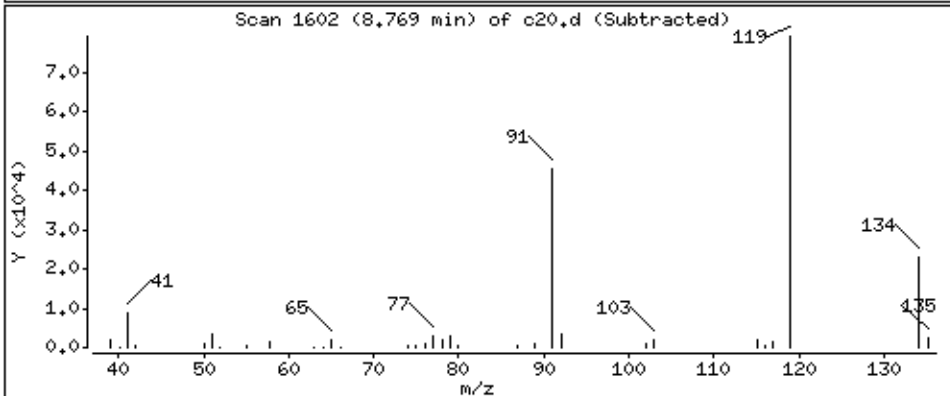
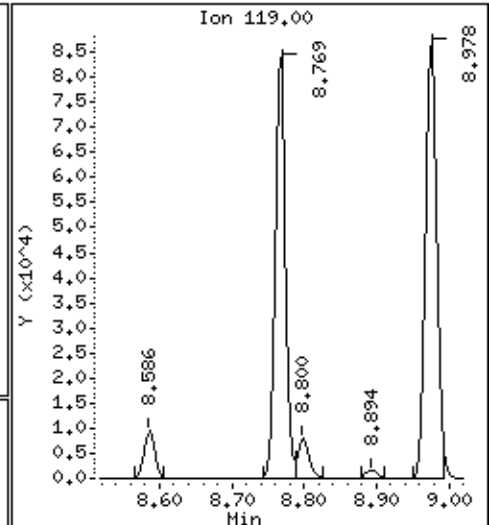
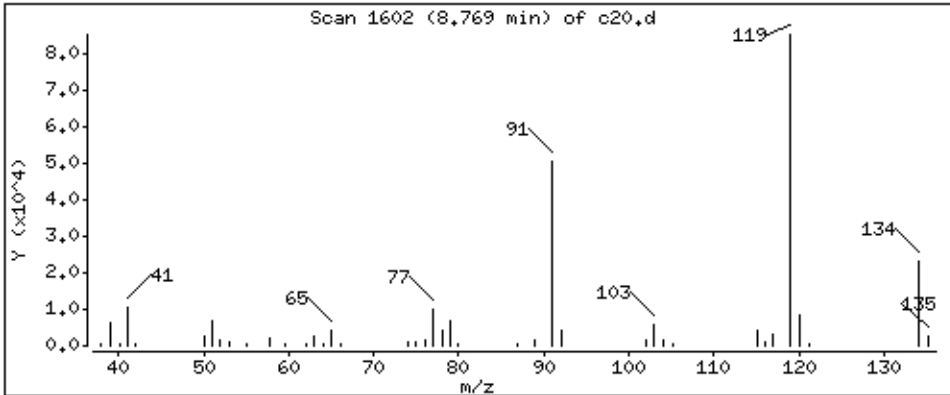
Column phase: DB-624

Column diameter: 0,18

80 tert-Butylbenzene

Concentration: 32.0 ppb

Review Code:



Date : 03-JUL-2014 08:15

Client ID: THW-6(2-4)MS

Instrument: 50mv3a.i

Sample Info: 1122066,71089;5

Operator: jlj

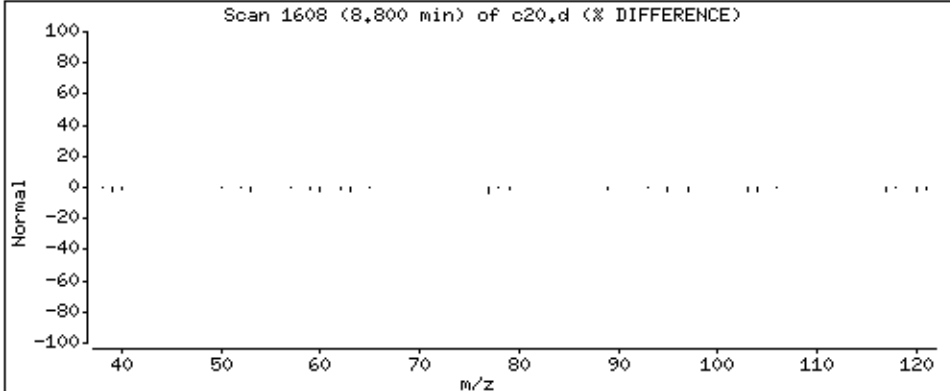
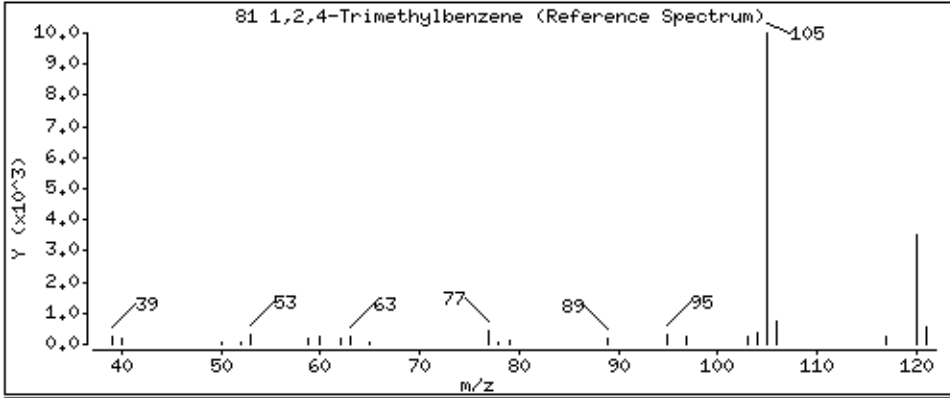
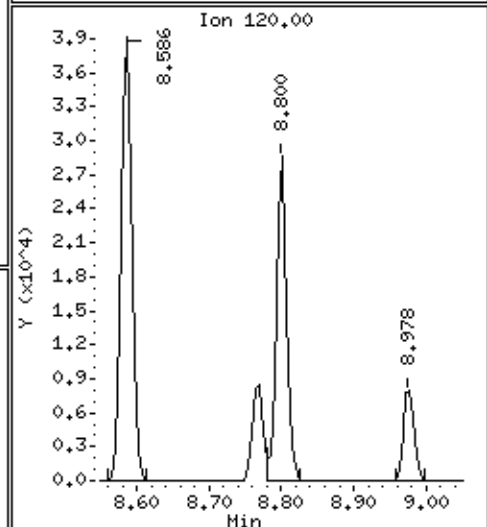
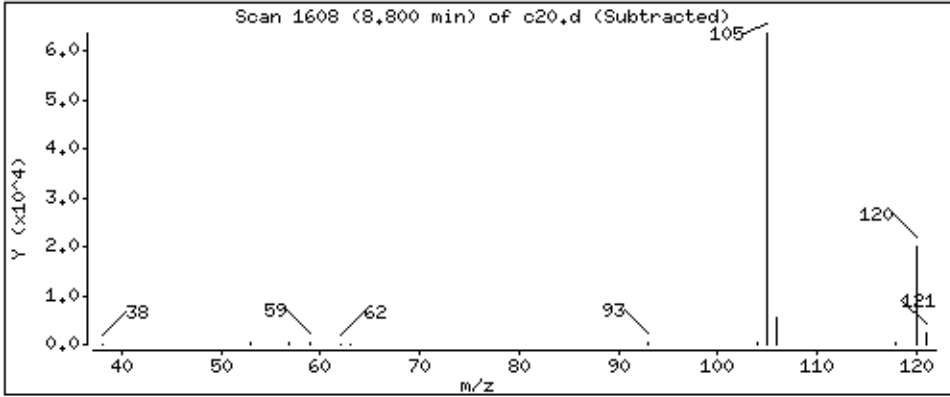
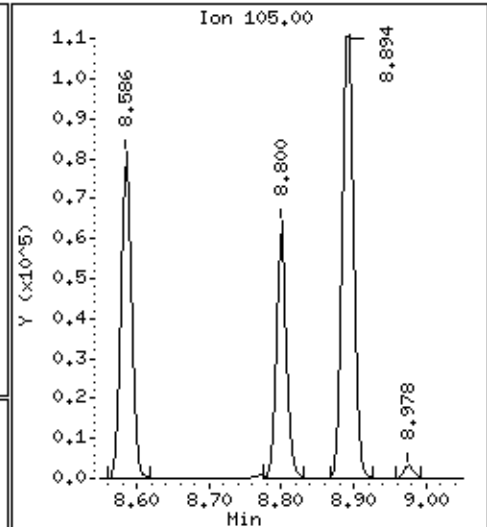
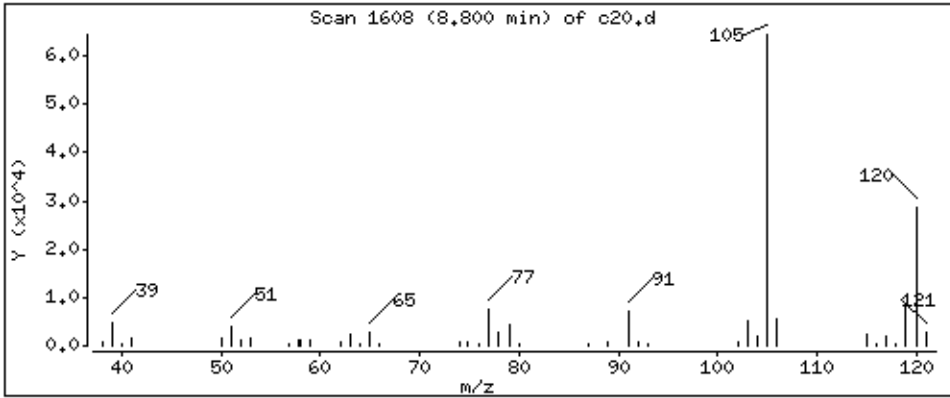
Column phase: DB-624

Column diameter: 0,18

81 1,2,4-Trimethylbenzene

Concentration: 25,4 ppb

Review Code:



Date : 03-JUL-2014 08:15

Client ID: THW-6(2-4)MS

Instrument: 50mv3a.i

Sample Info: 1122066,71089;5

Operator: jlz

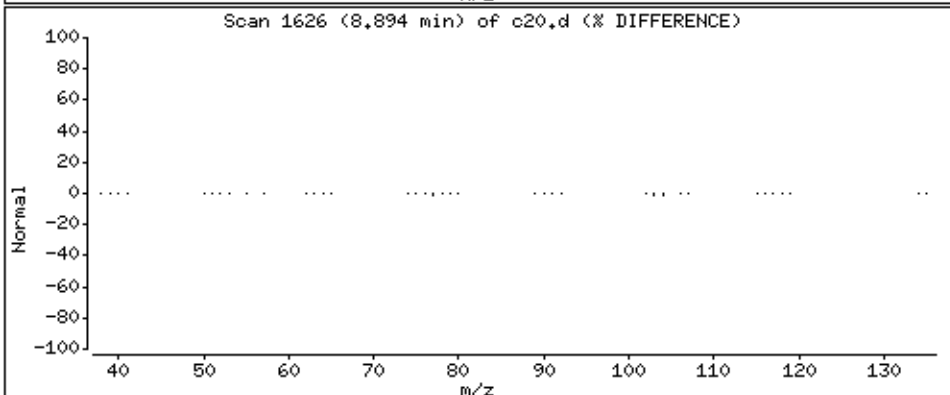
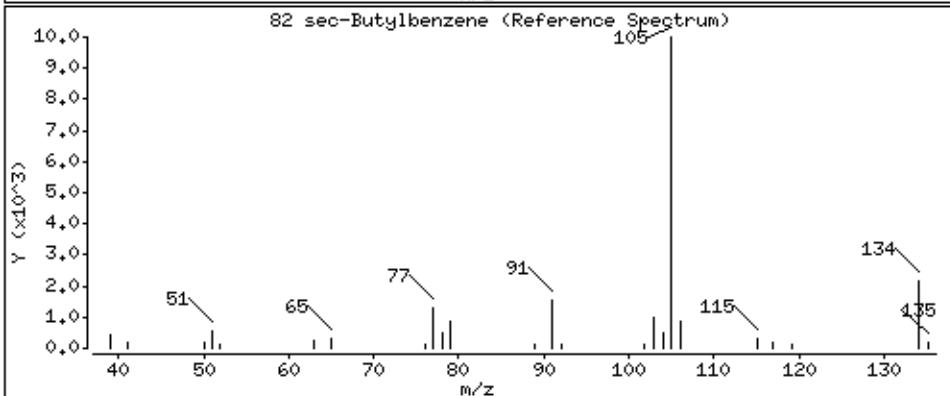
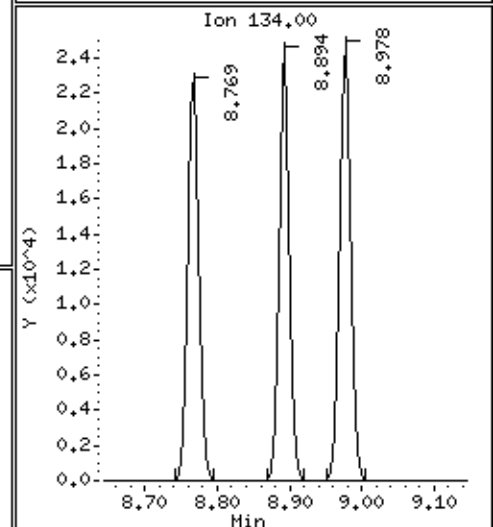
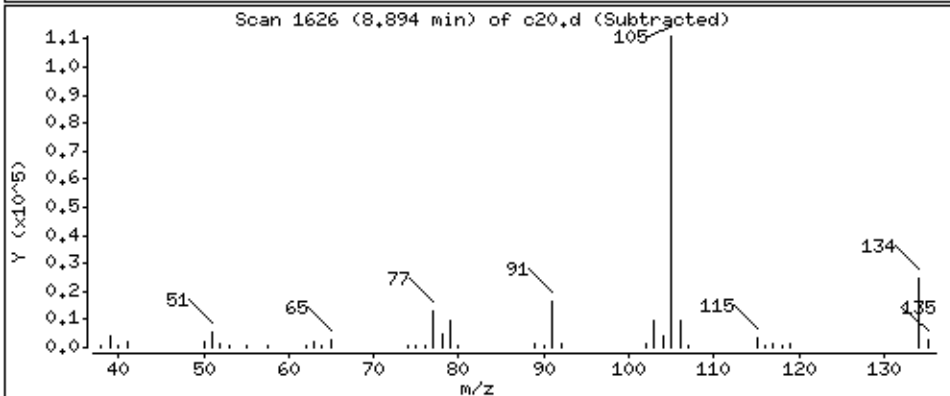
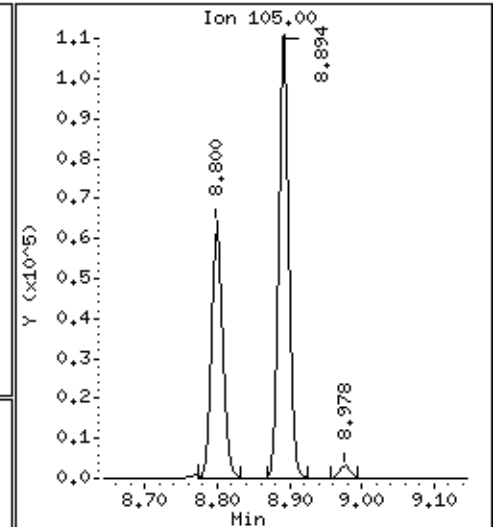
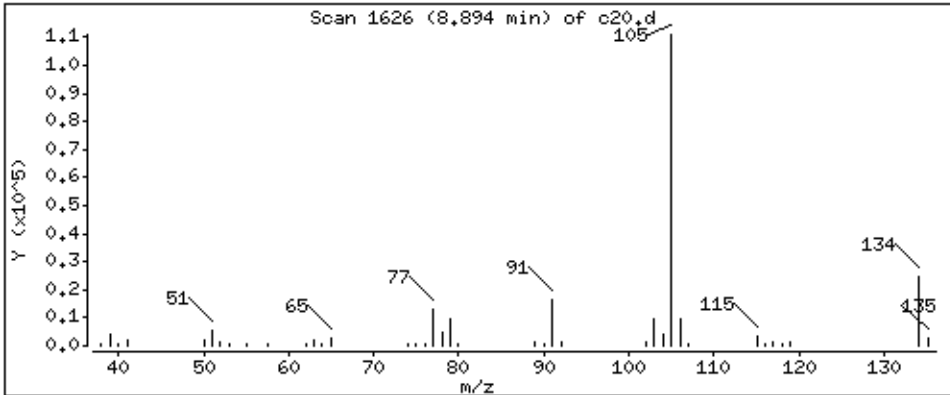
Column phase: DB-624

Column diameter: 0,18

82 sec-Butylbenzene

Concentration: 34,3 ppb

Review Code:



Date : 03-JUL-2014 08:15

Client ID: THW-6(2-4)MS

Instrument: 50mv3a.i

Sample Info: 1122066,71089;5

Operator: jlz

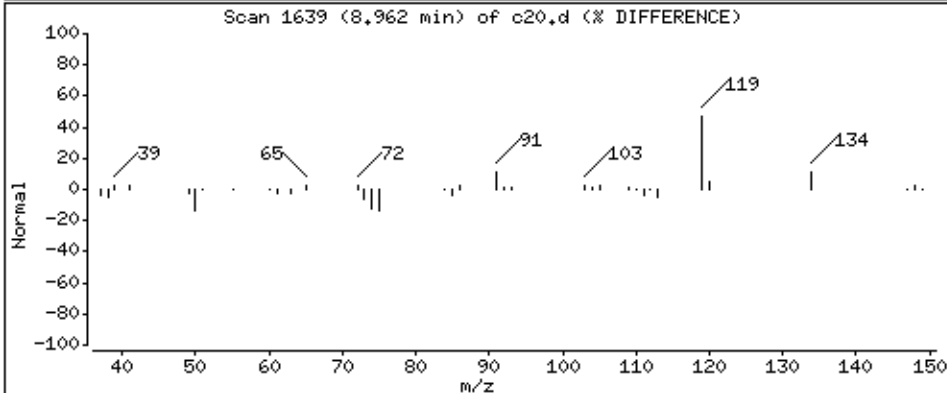
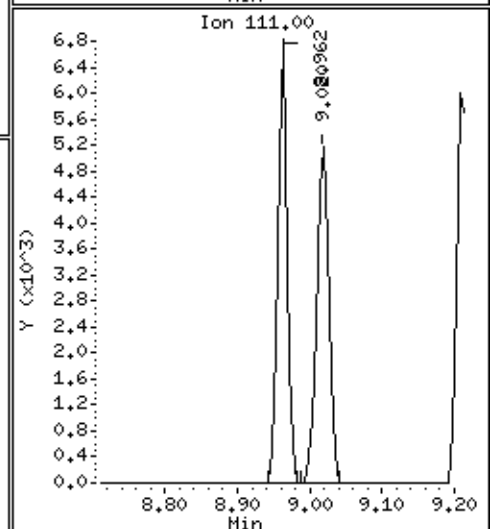
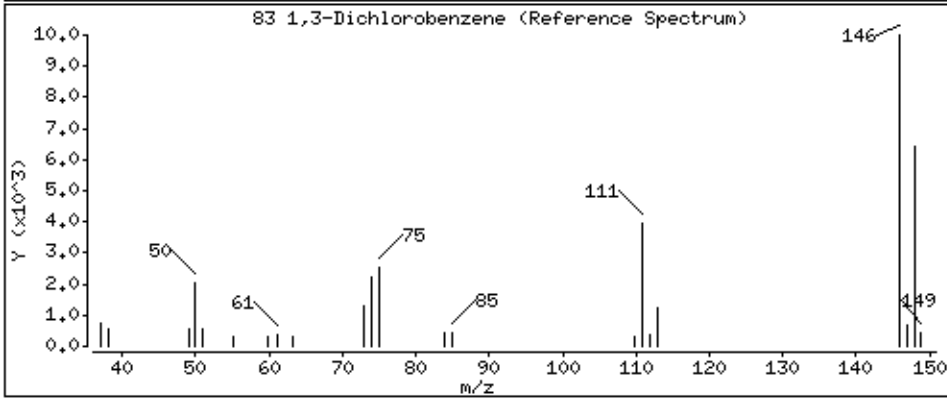
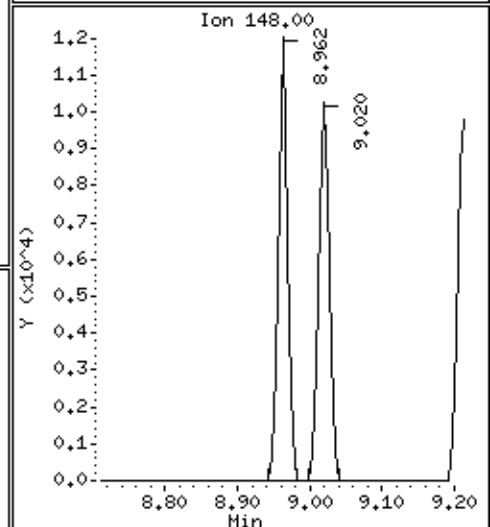
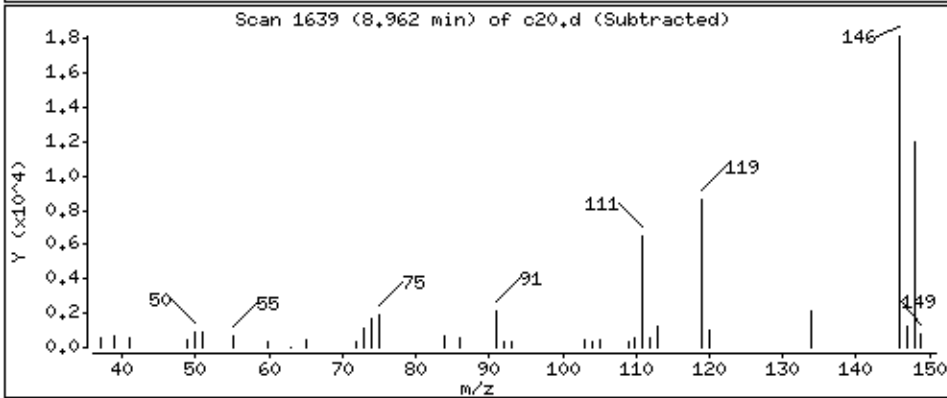
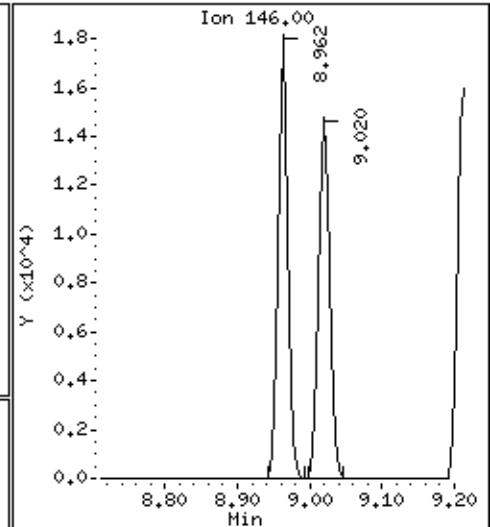
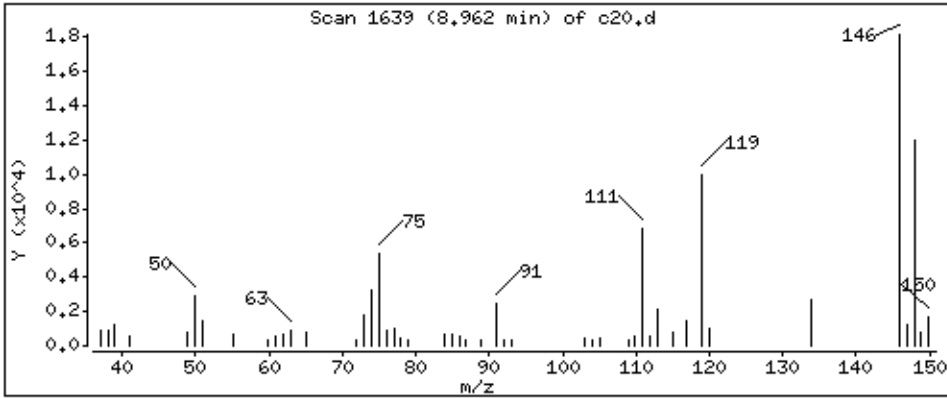
Column phase: DB-624

Column diameter: 0,18

83 1,3-Dichlorobenzene

Concentration: 12,9 ppb

Review Code:



Date : 03-JUL-2014 08:15

Client ID: THW-6(2-4)MS

Instrument: 50mv3a.i

Sample Info: 1122066,71089;5

Operator: jlz

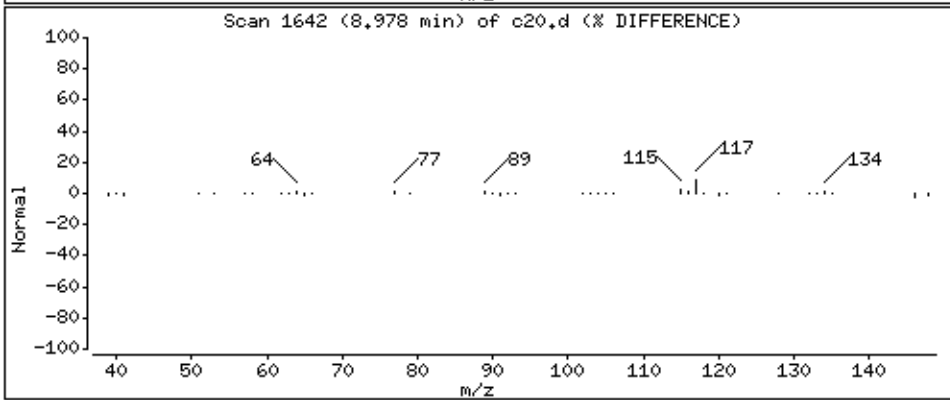
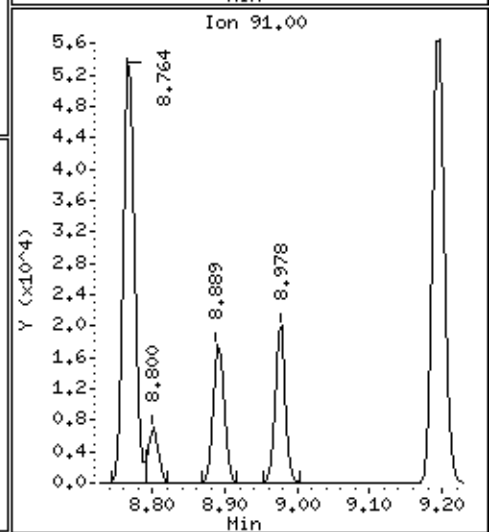
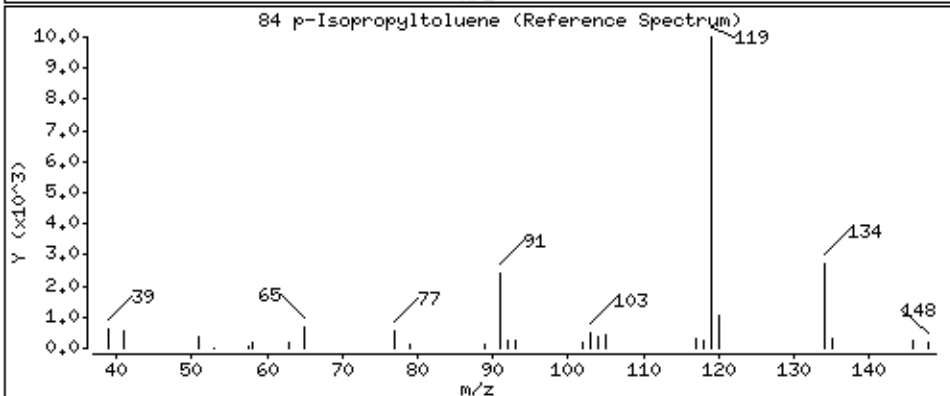
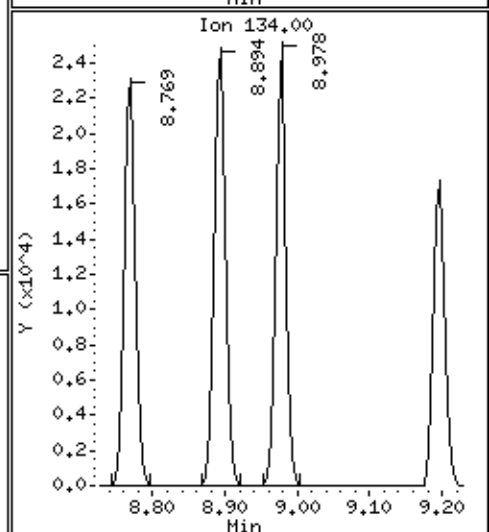
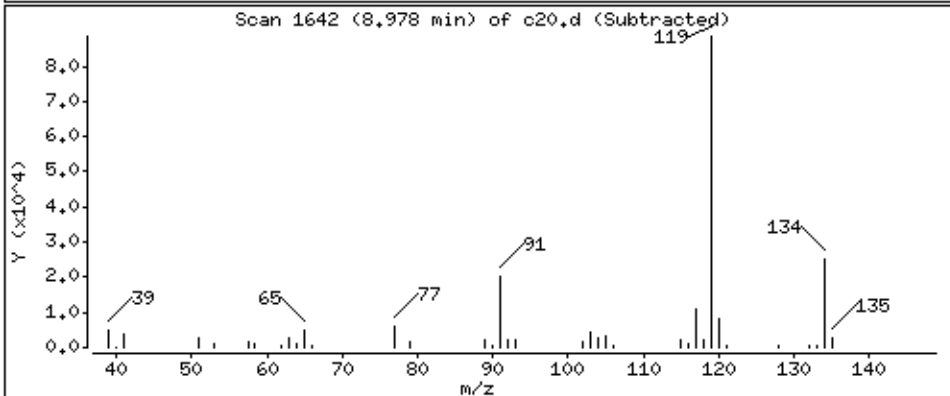
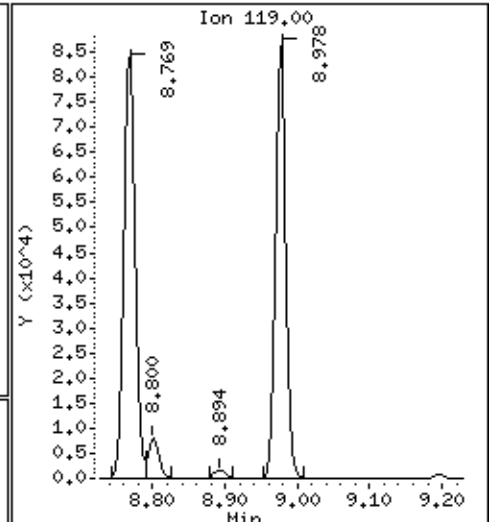
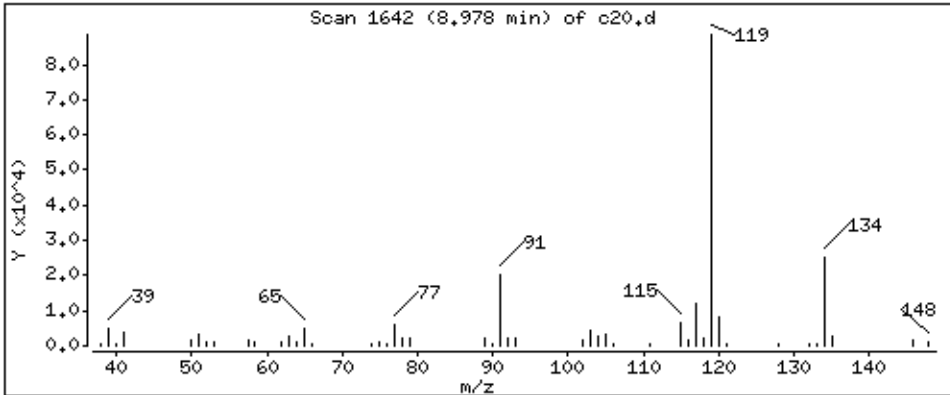
Column phase: DB-624

Column diameter: 0,18

84 p-Isopropyltoluene

Concentration: 30,5 ppb

Review Code:



Date : 03-JUL-2014 08:15

Client ID: THW-6(2-4)MS

Instrument: 50mv3a.i

Sample Info: 1122066,71089;5

Operator: jlz

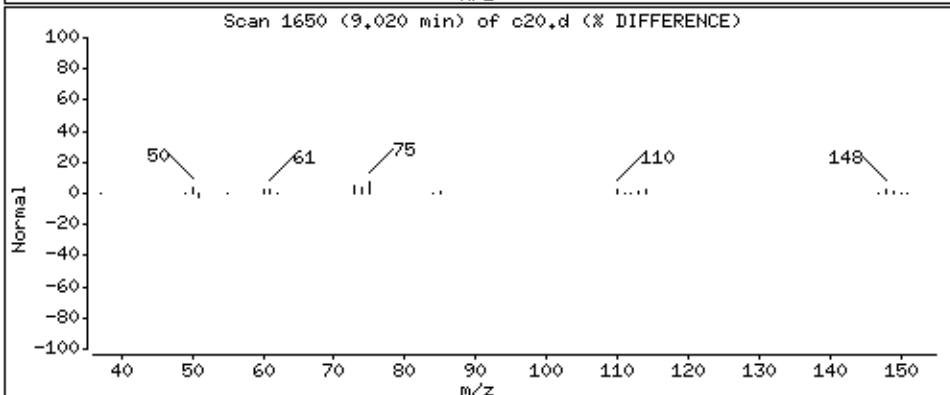
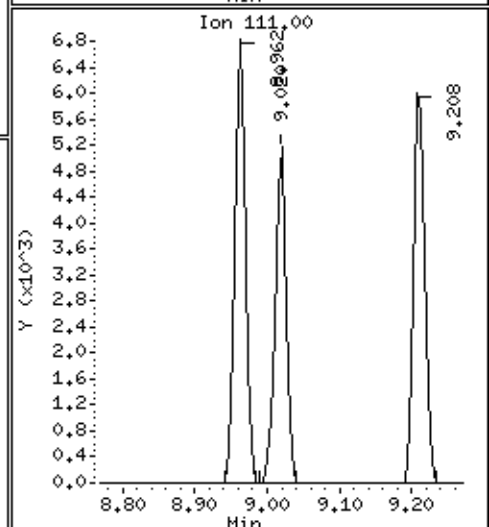
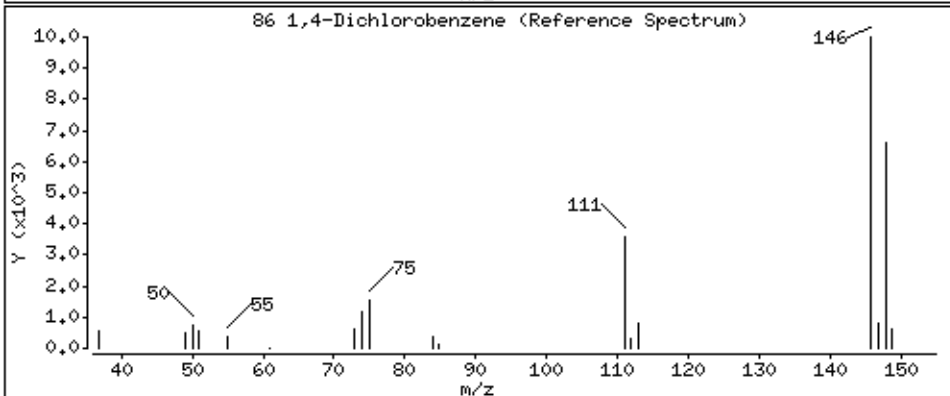
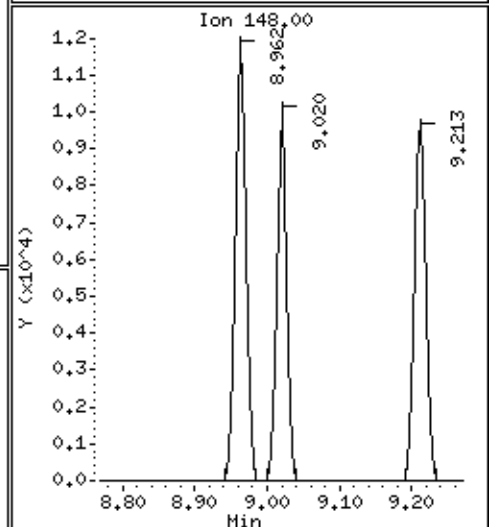
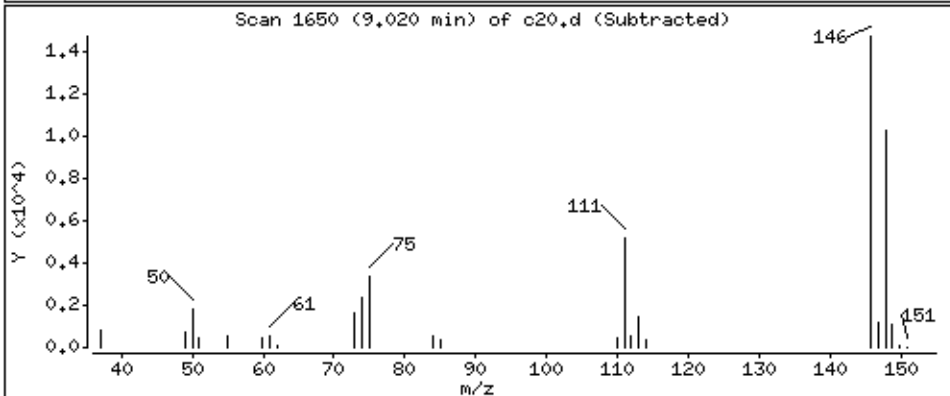
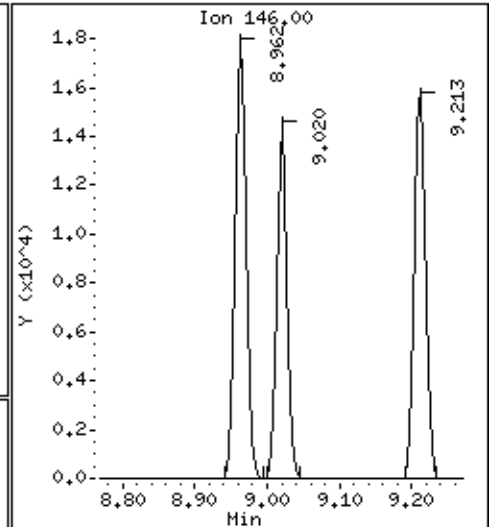
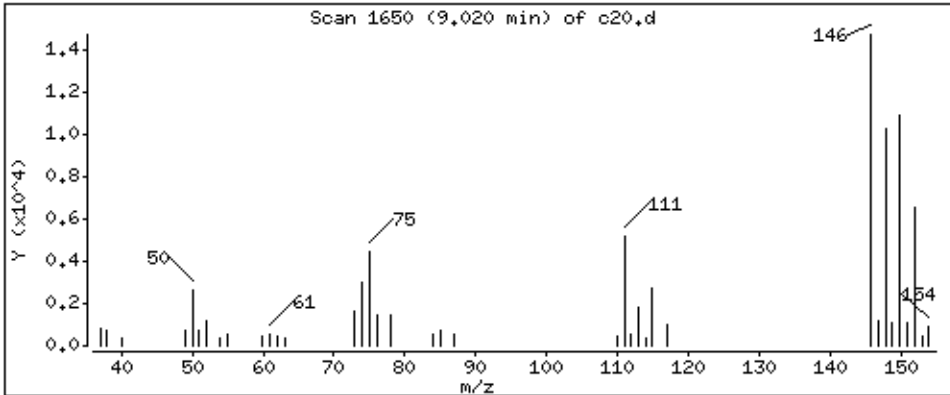
Column phase: DB-624

Column diameter: 0,18

86 1,4-Dichlorobenzene

Concentration: 10,8 ppb

Review Code:



Date : 03-JUL-2014 08:15

Client ID: THW-6(2-4)MS

Instrument: 50mw3a.i

Sample Info: 1122066,71089;5

Operator: jlz

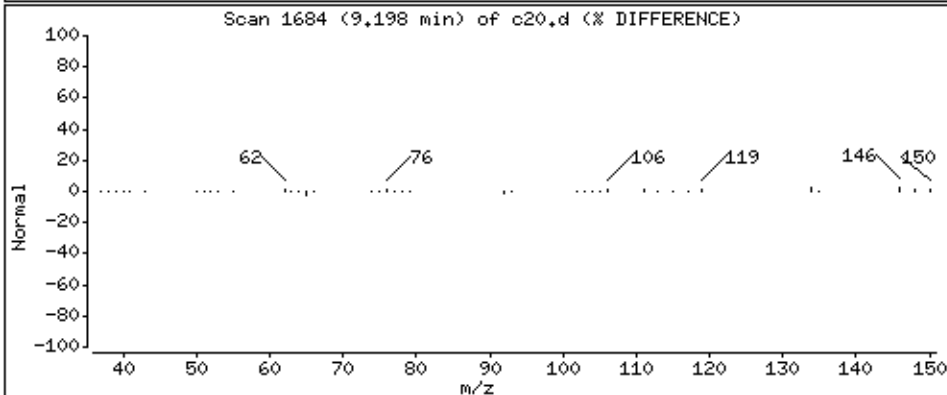
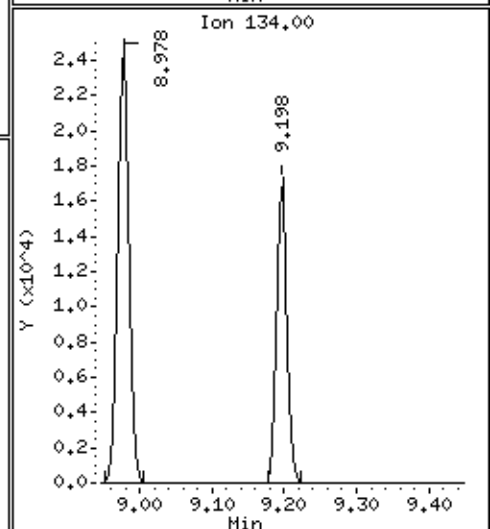
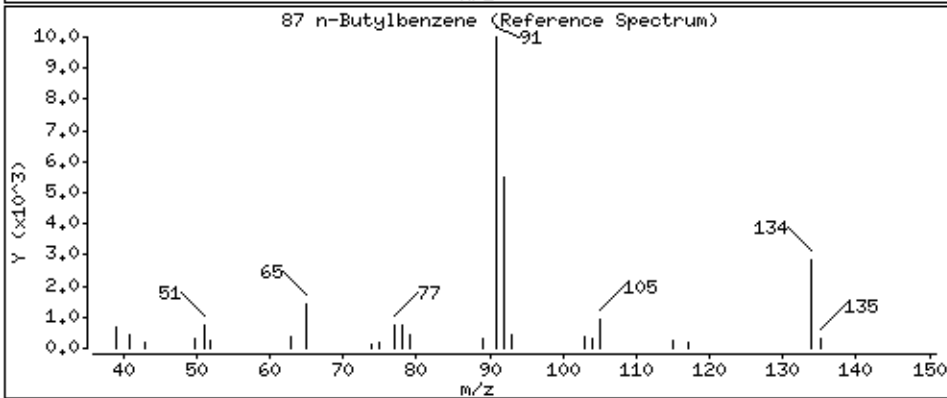
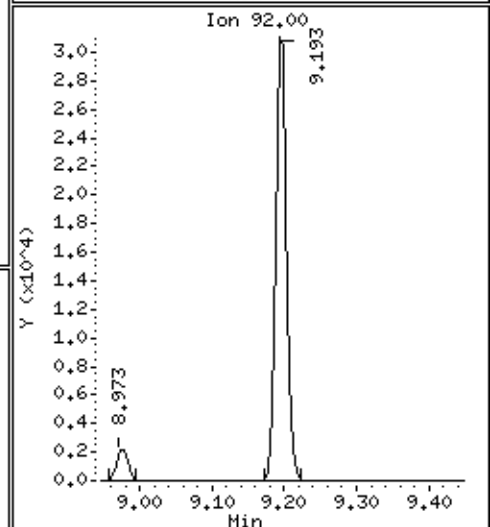
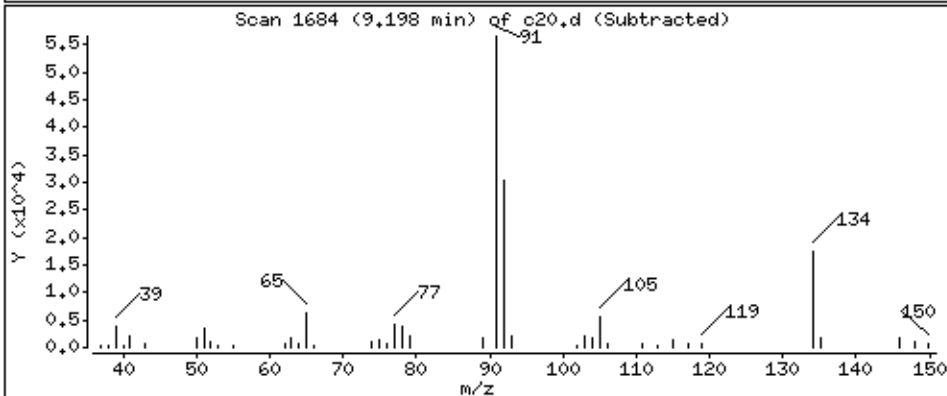
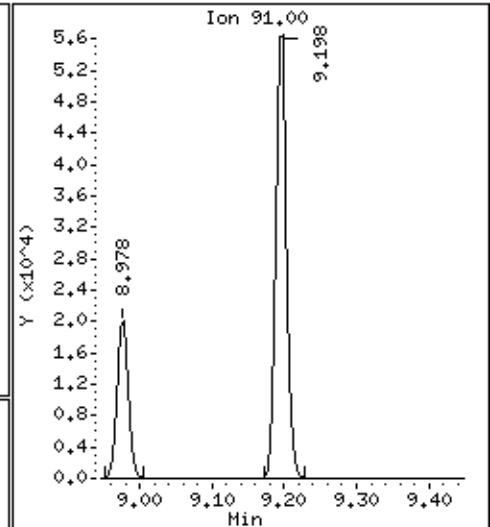
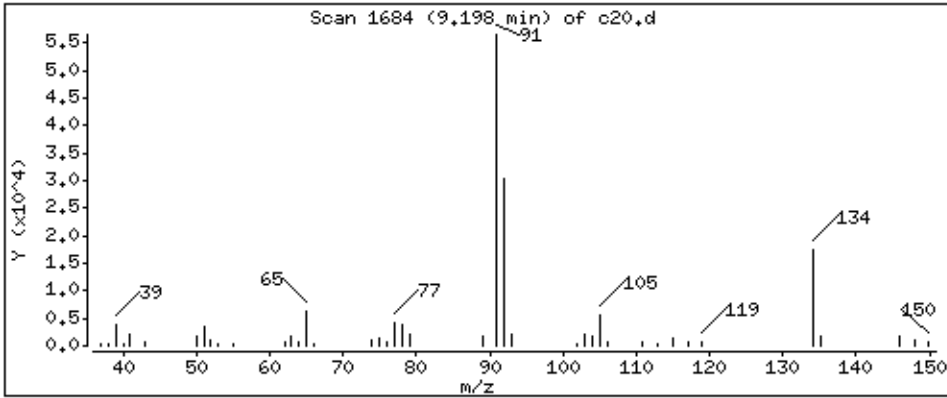
Column phase: DB-624

Column diameter: 0,18

87 n-Butylbenzene

Concentration: 23,3 ppb

Review Code:



Date : 03-JUL-2014 08:15

Client ID: THW-6(2-4)MS

Instrument: 50mw3a.i

Sample Info: 1122066,71089;5

Operator: jlz

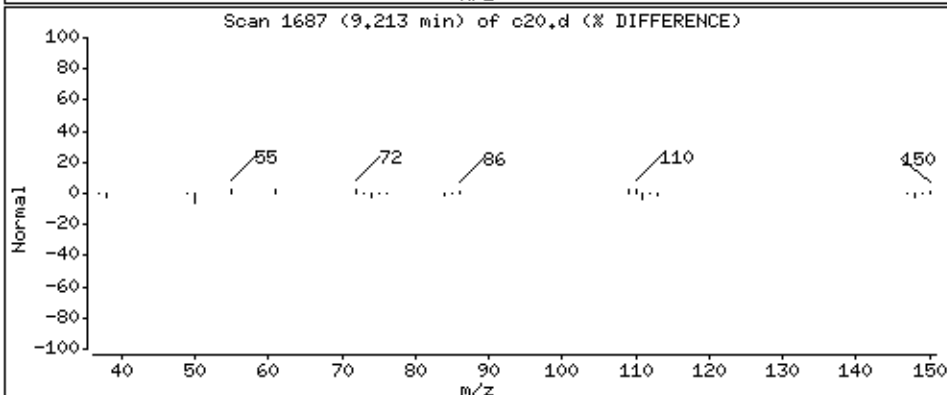
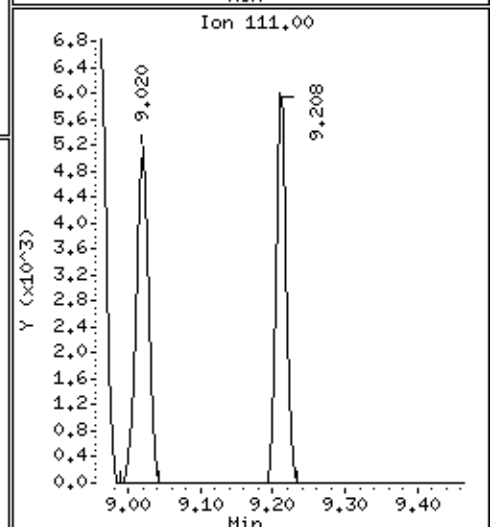
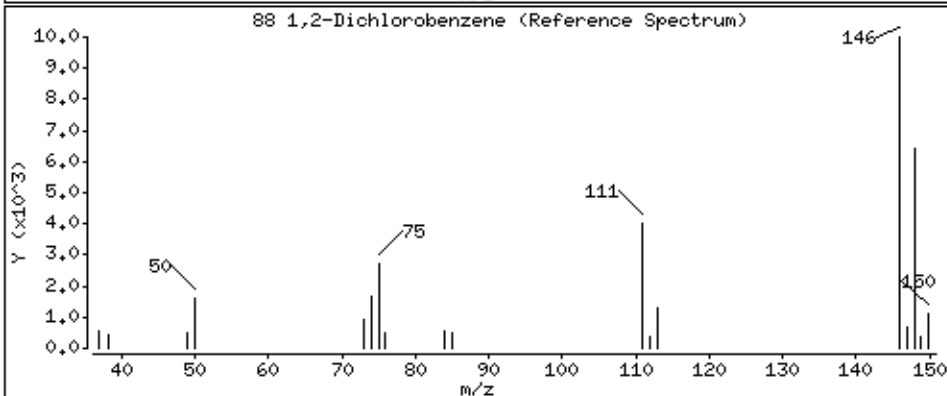
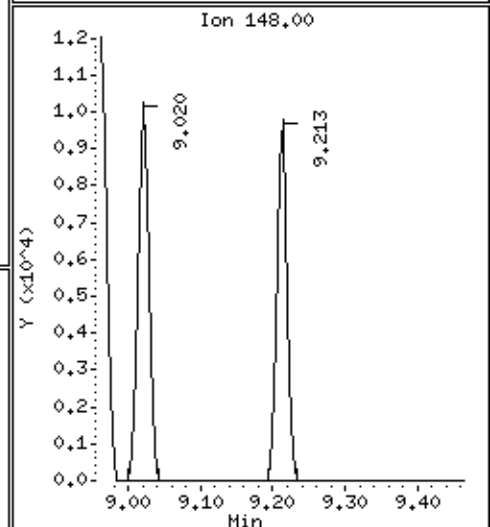
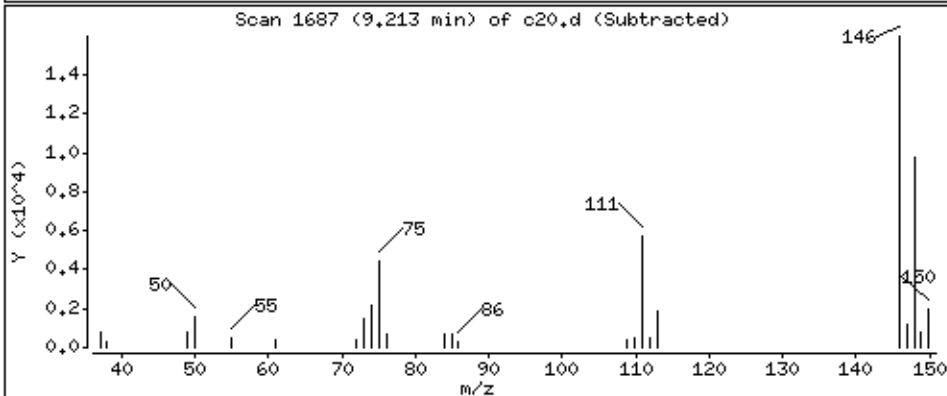
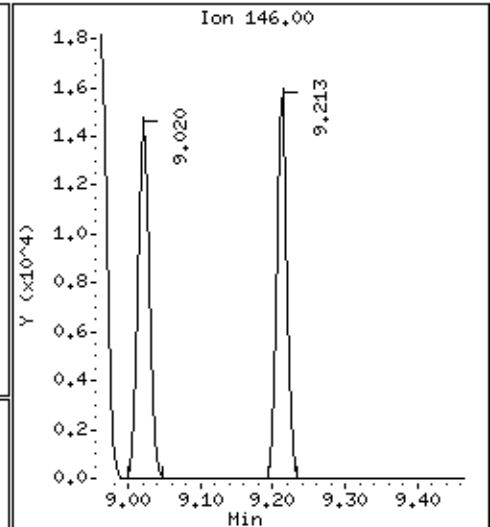
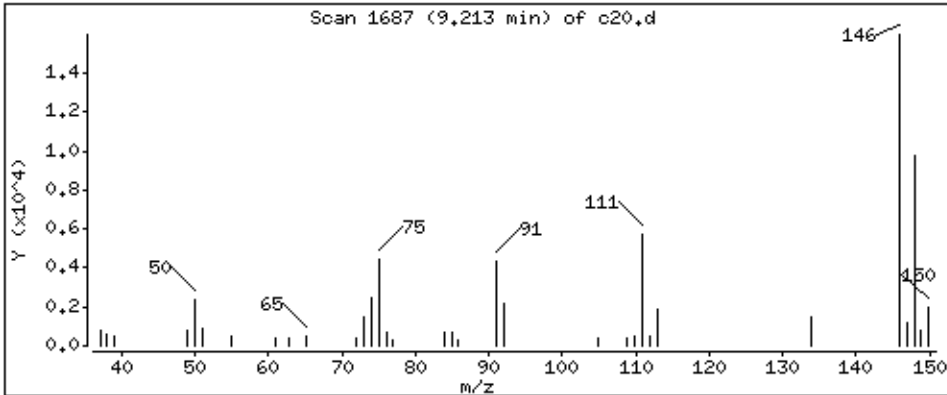
Column phase: DB-624

Column diameter: 0,18

88 1,2-Dichlorobenzene

Concentration: 13,3 ppb

Review Code:



Date : 03-JUL-2014 08:15

Client ID: THW-6(2-4)MS

Instrument: 50mw3a.i

Sample Info: 1122066,71089;5

Operator: jlz

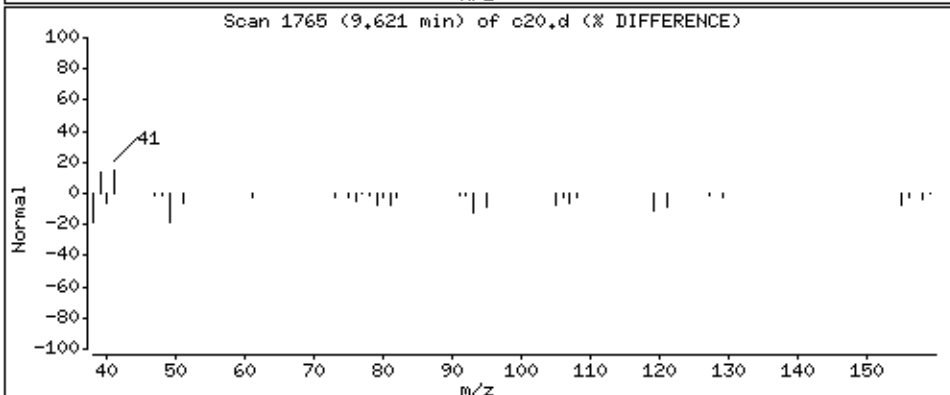
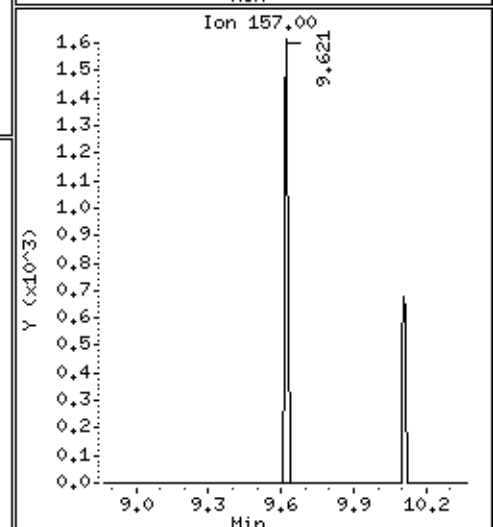
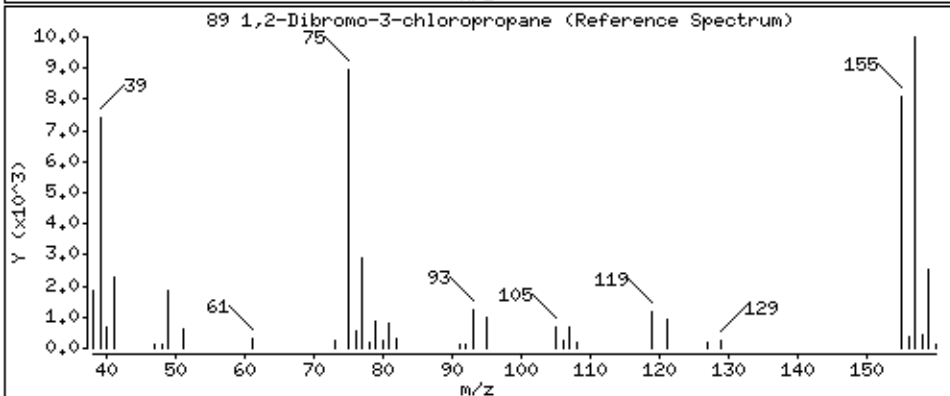
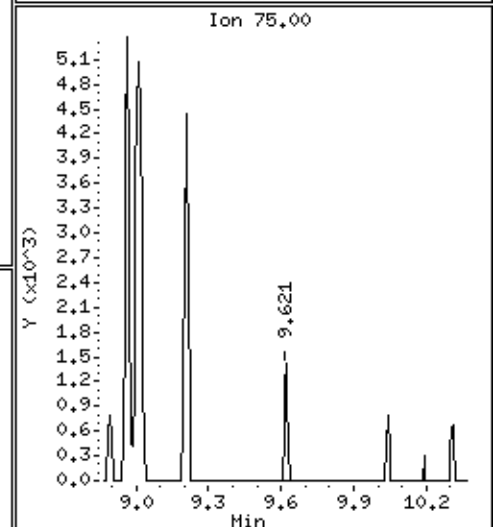
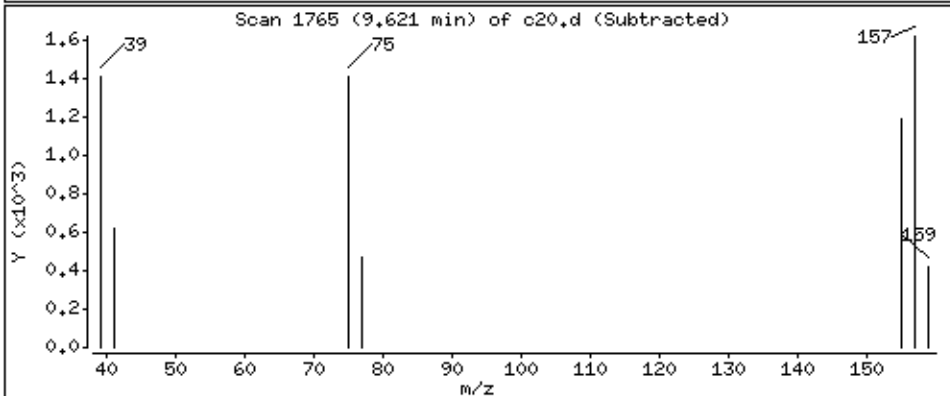
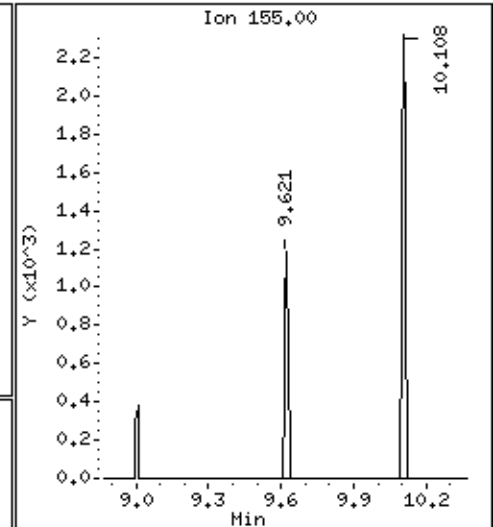
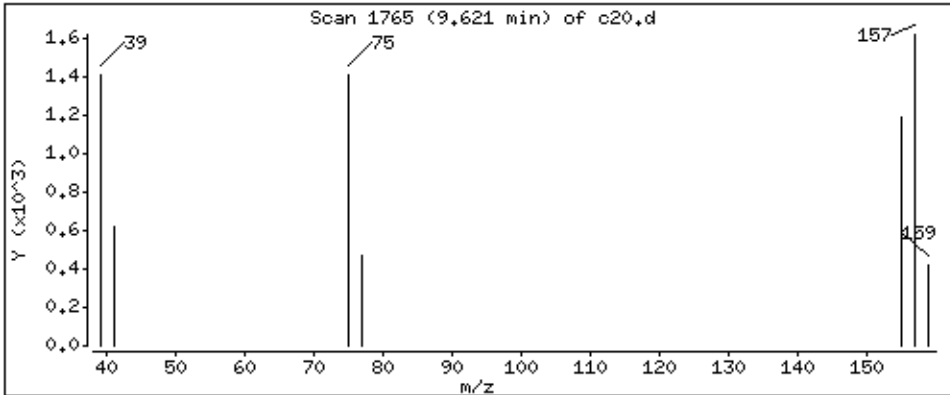
Column phase: DB-624

Column diameter: 0,18

89 1,2-Dibromo-3-chloropropane

Concentration: 15,0 ppb

Review Code:



Date : 03-JUL-2014 08:15

Client ID: THW-6(2-4)MS

Instrument: 50mv3a.i

Sample Info: 1122066,71089;5

Operator: jlz

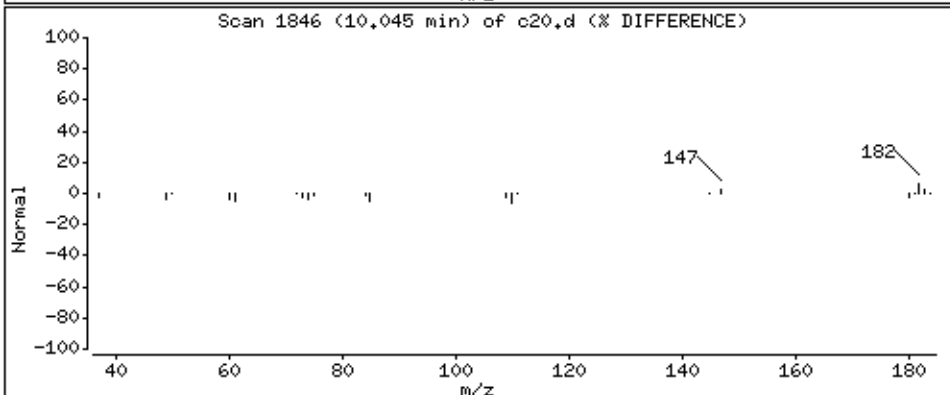
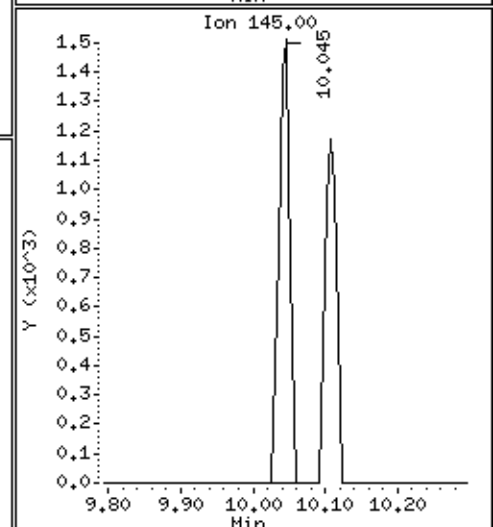
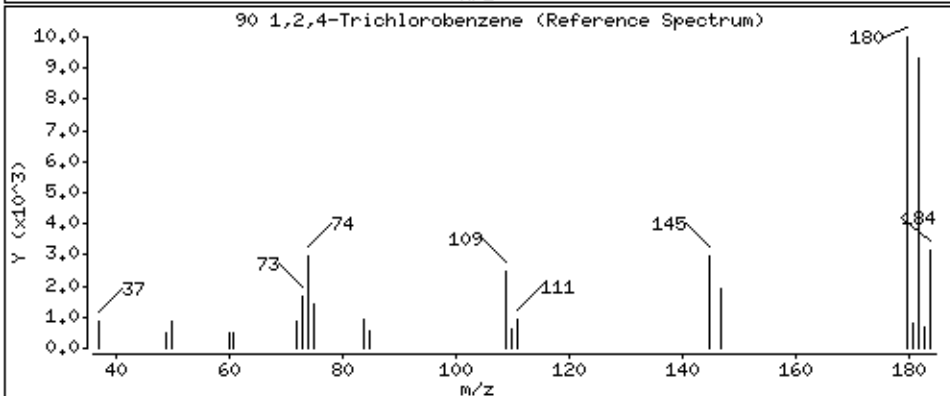
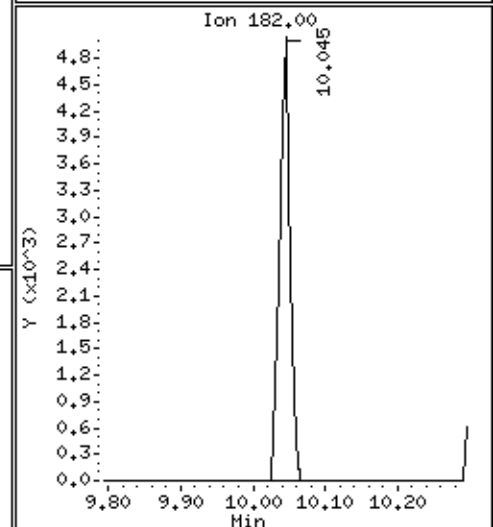
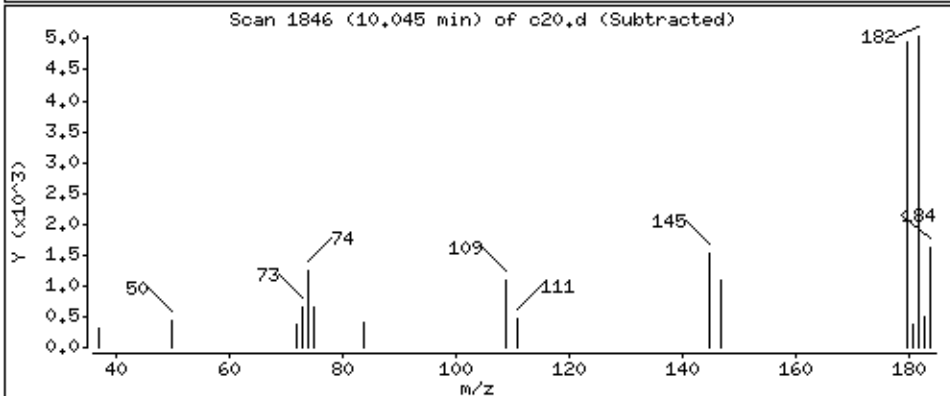
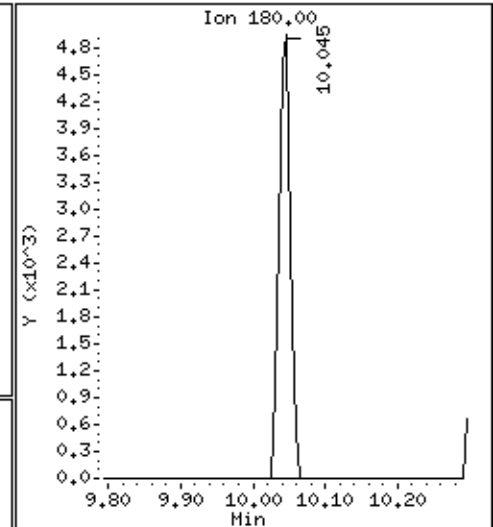
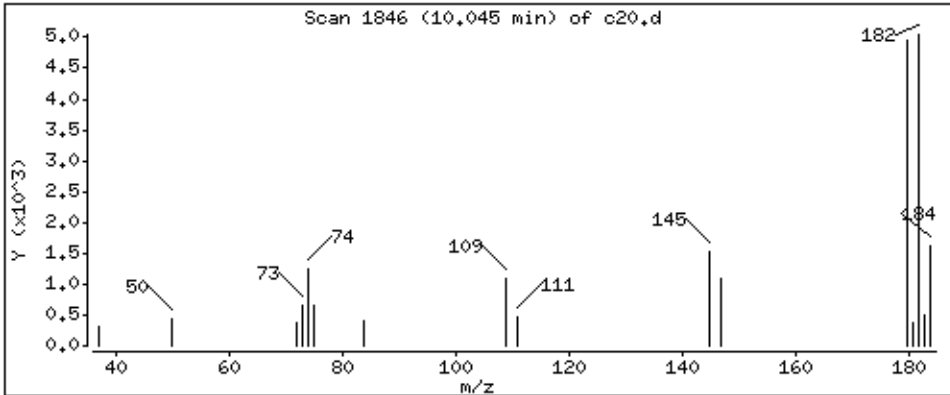
Column phase: DB-624

Column diameter: 0,18

90 1,2,4-Trichlorobenzene

Concentration: 6,50 ppb

Review Code:



Date : 03-JUL-2014 08:15

Client ID: THW-6(2-4)MS

Instrument: 50mv3a.i

Sample Info: 1122066,71089;5

Operator: jlz

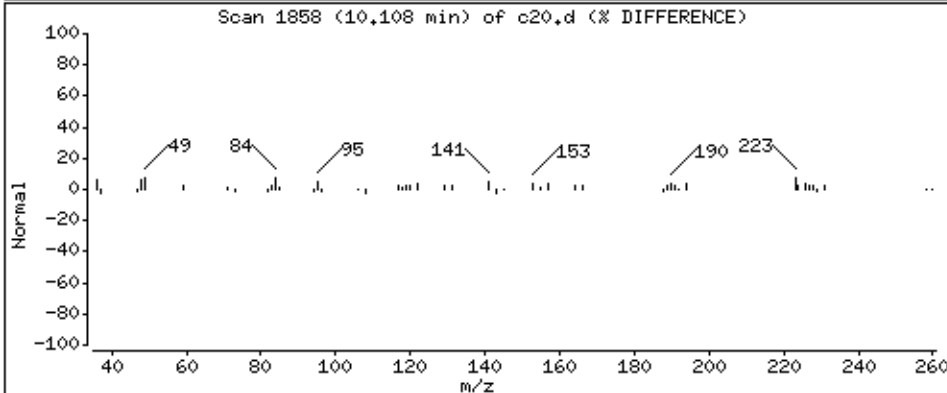
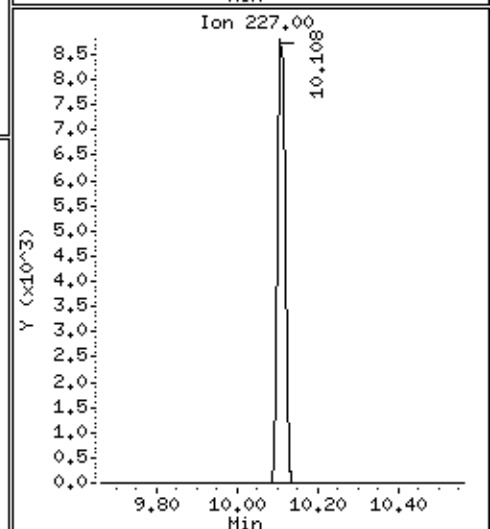
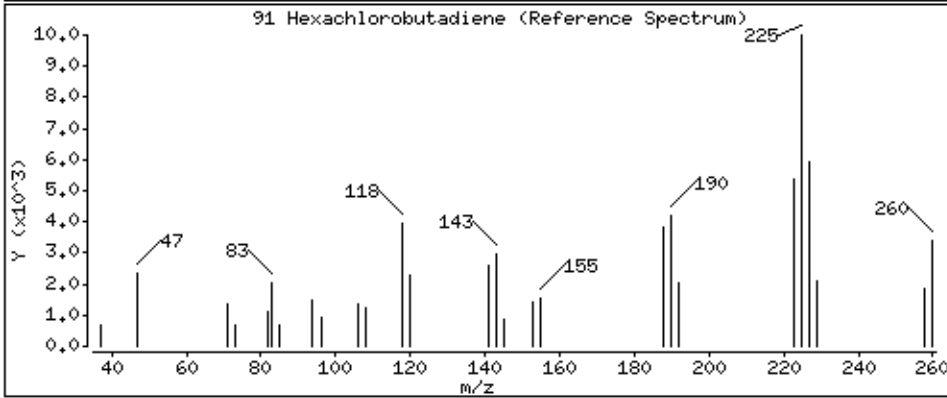
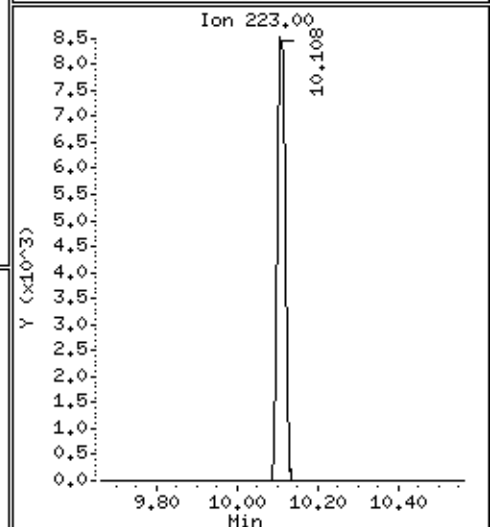
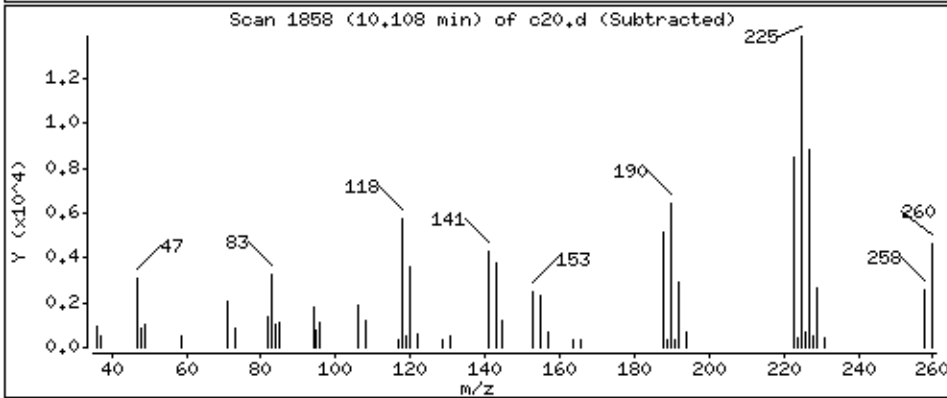
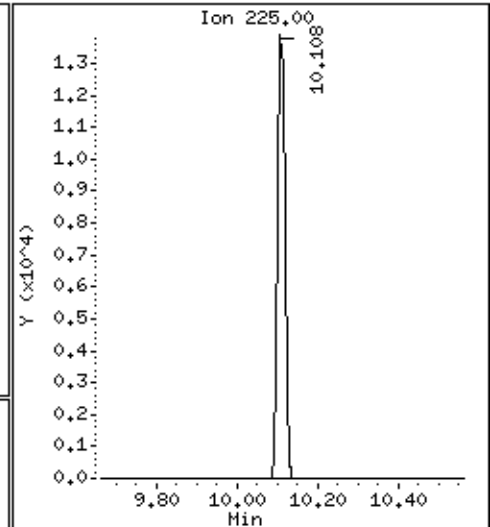
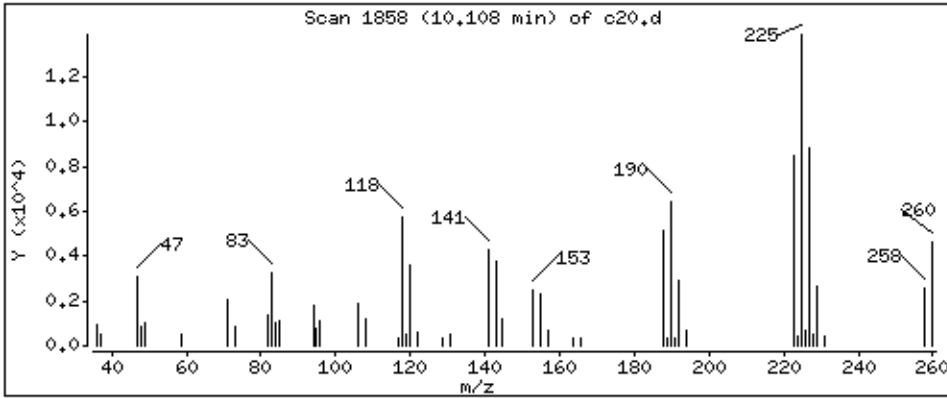
Column phase: DB-624

Column diameter: 0,18

91 Hexachlorobutadiene

Concentration: 27,0 ppb

Review Code:



Date : 03-JUL-2014 08:15

Client ID: THW-6(2-4)MS

Instrument: 50mv3a.i

Sample Info: 1122066,71089;5

Operator: jlz

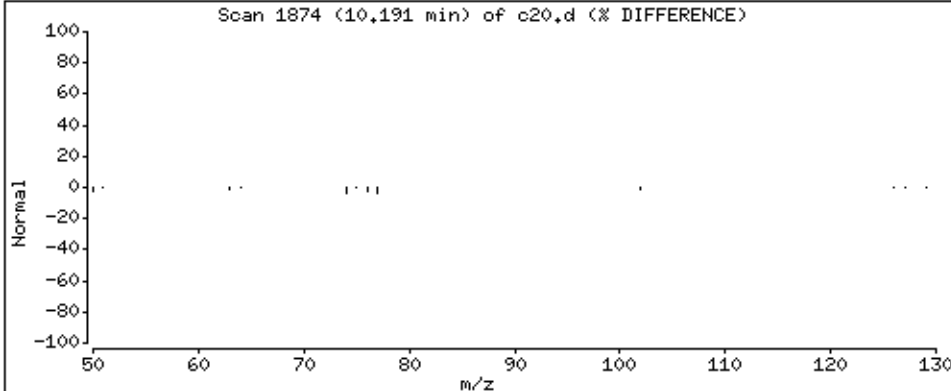
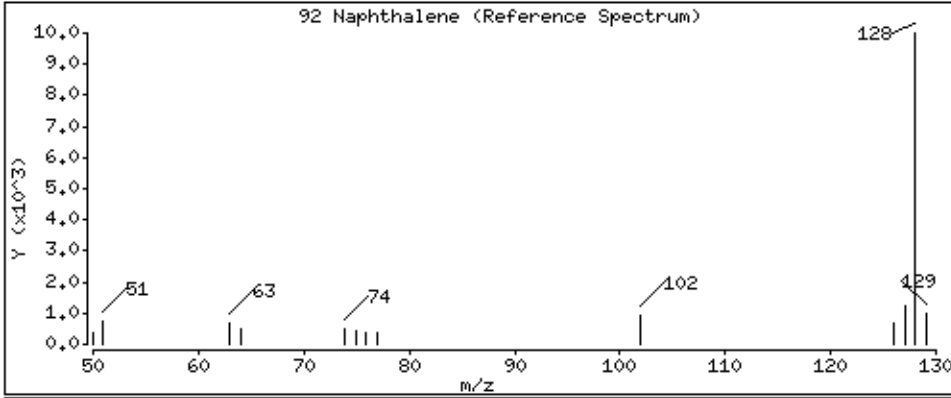
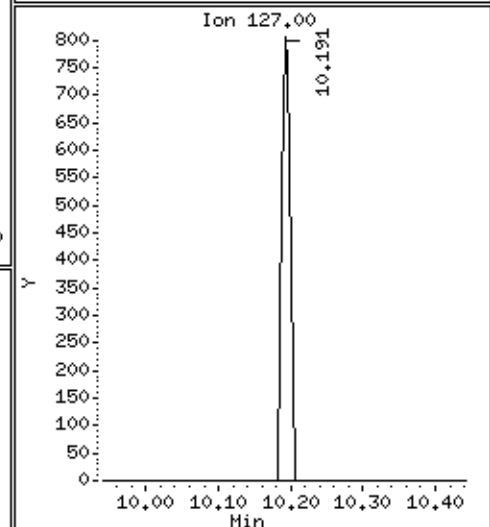
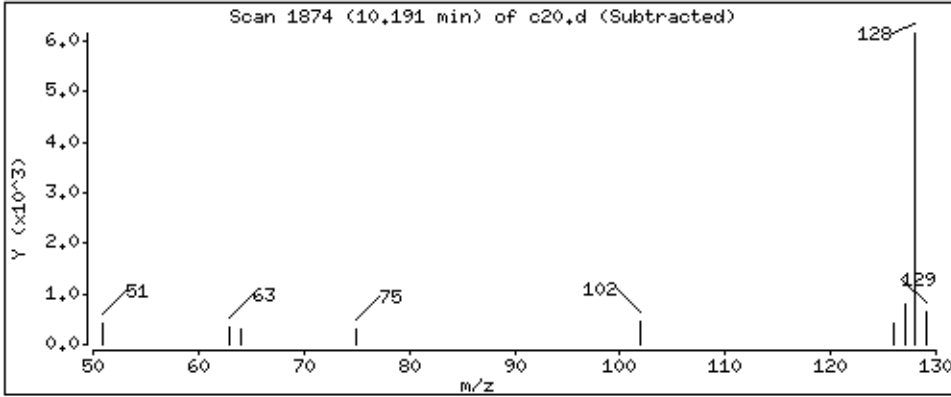
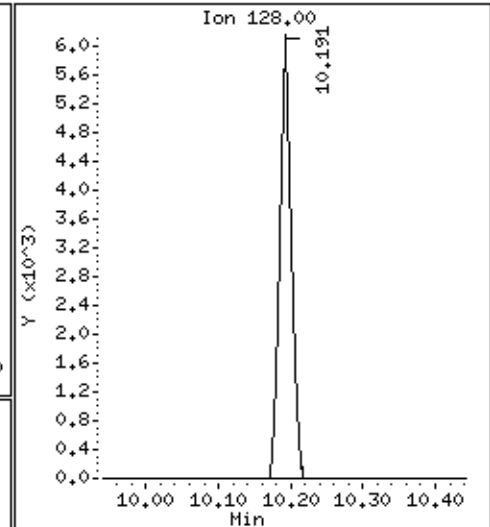
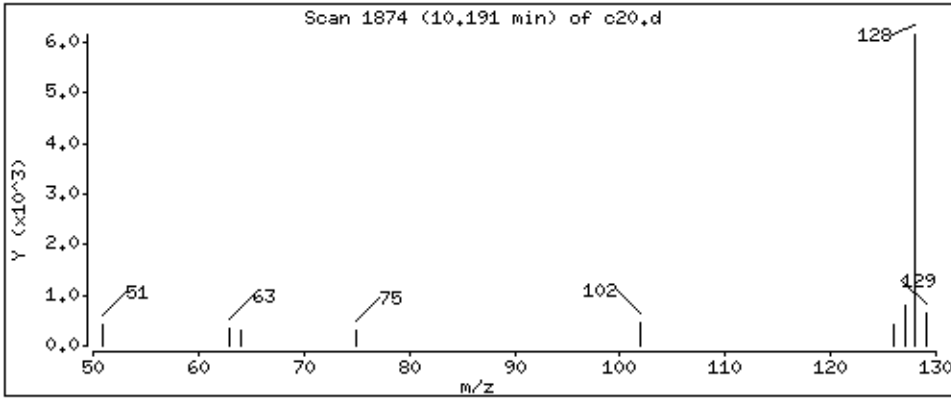
Column phase: DB-624

Column diameter: 0,18

92 Naphthalene

Concentration: 4,70 ppb

Review Code:



Date : 03-JUL-2014 08:15

Client ID: THW-6(2-4)MS

Instrument: 50mv3a.i

Sample Info: 1122066,71089;5

Operator: jlz

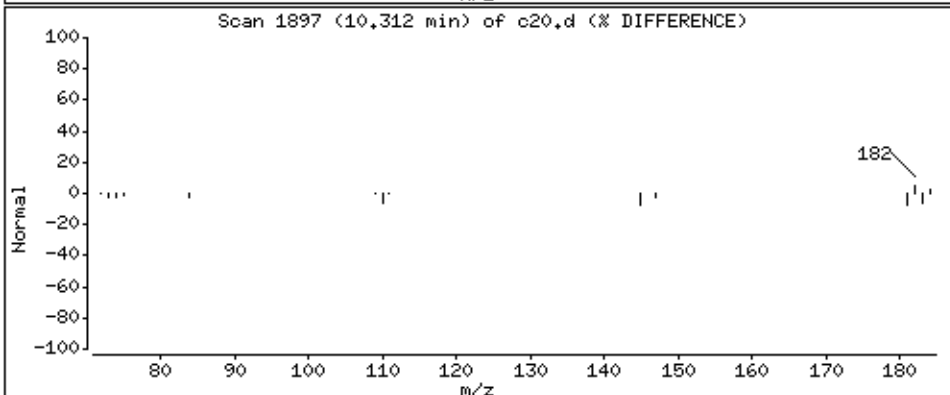
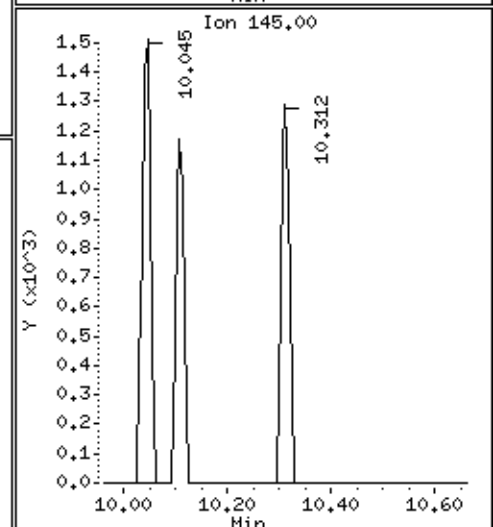
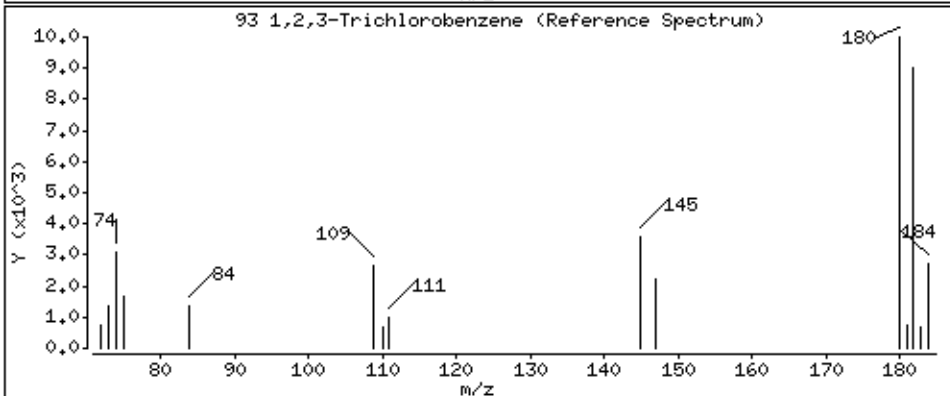
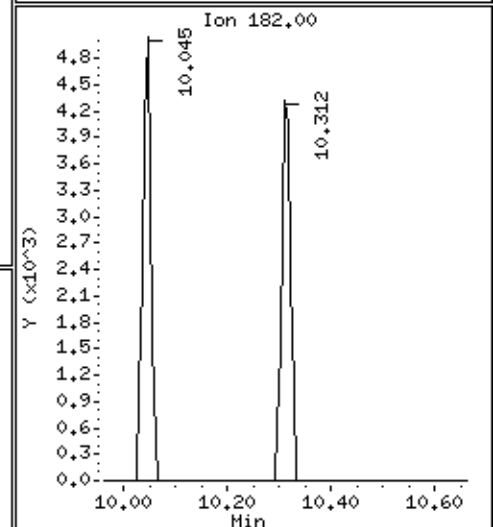
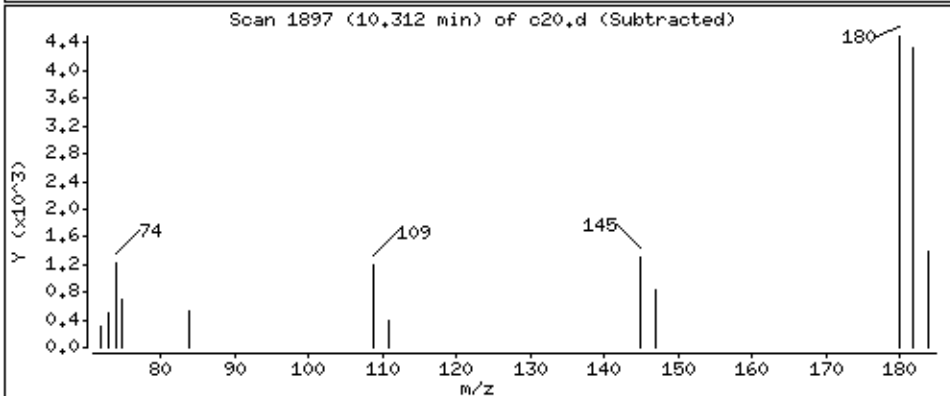
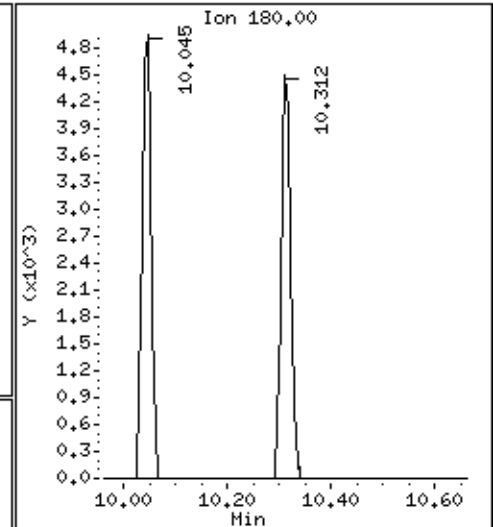
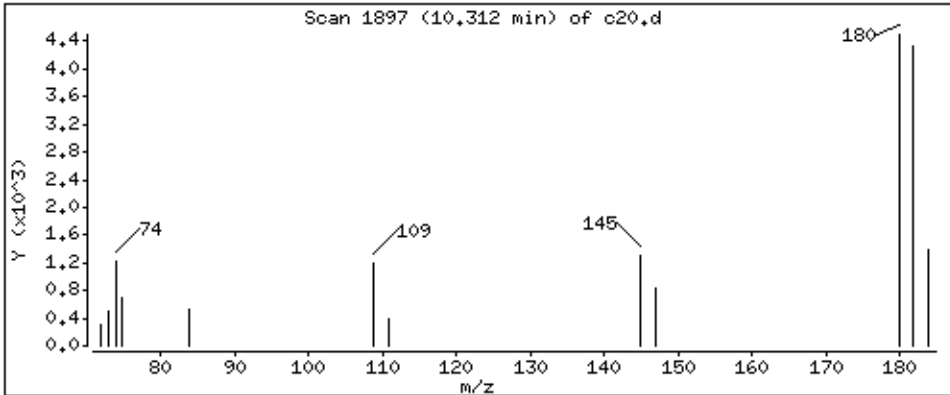
Column phase: DB-624

Column diameter: 0,18

93 1,2,3-Trichlorobenzene

Concentration: 6,90 ppb

Review Code:



Date : 03-JUL-2014 08:15

Client ID: THW-6(2-4)MS

Instrument: 50mw3a.i

Sample Info: 1122066,71089;5

Operator: jlj

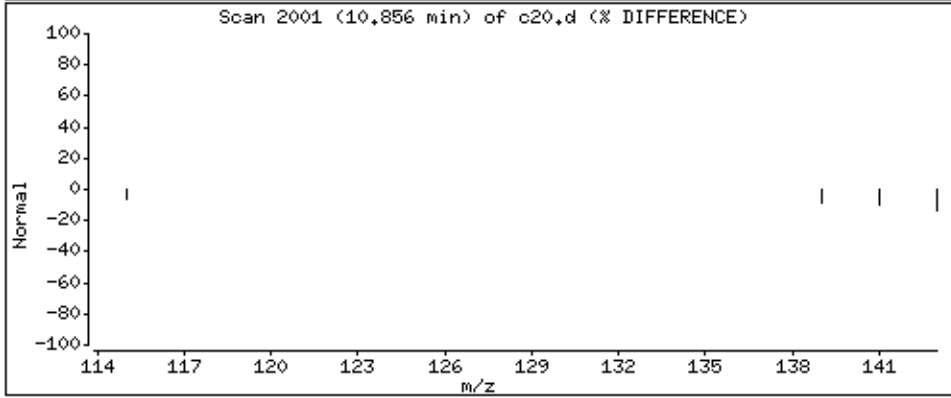
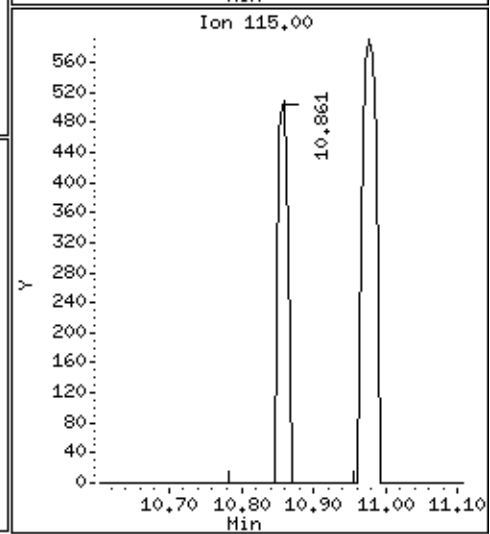
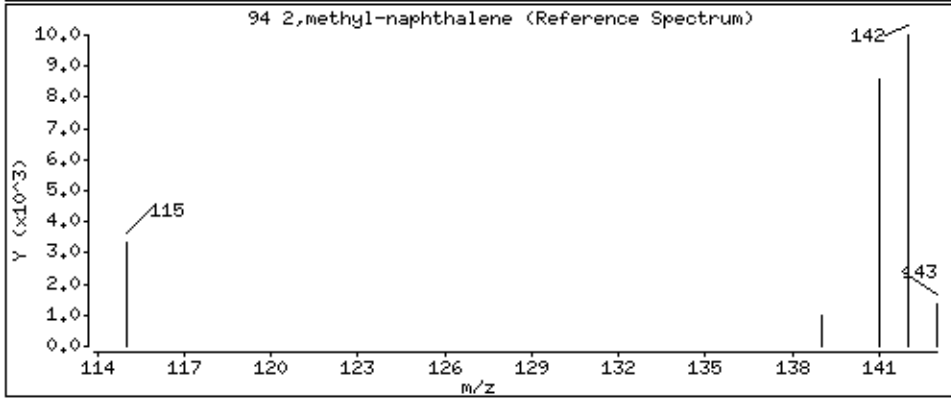
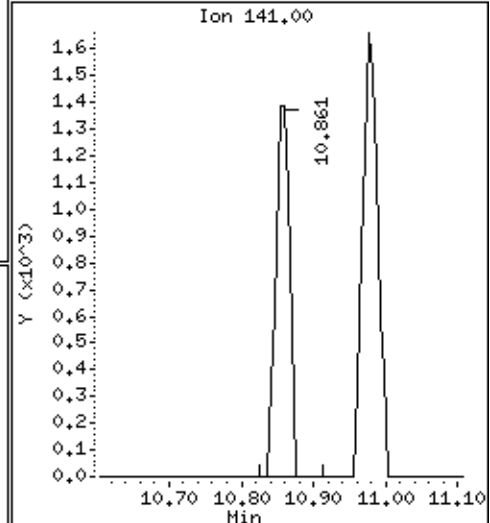
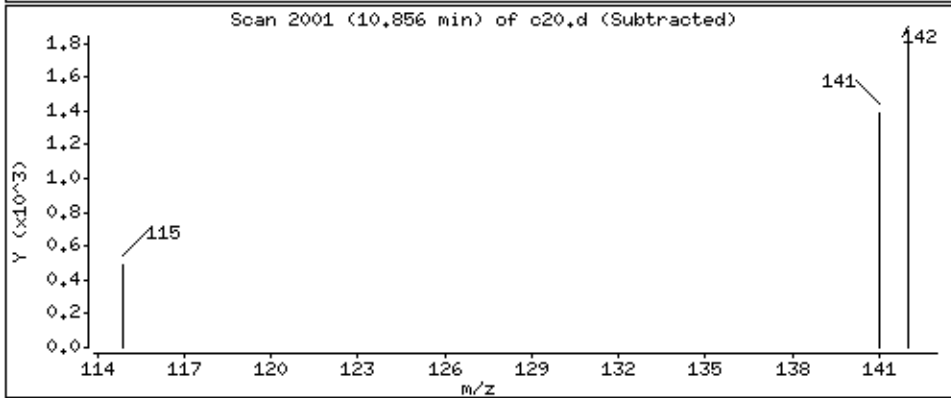
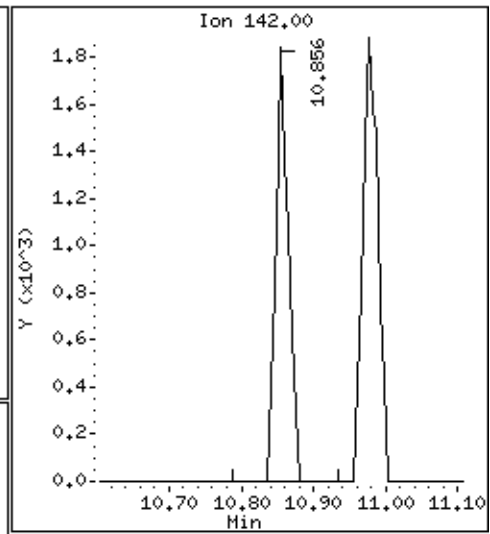
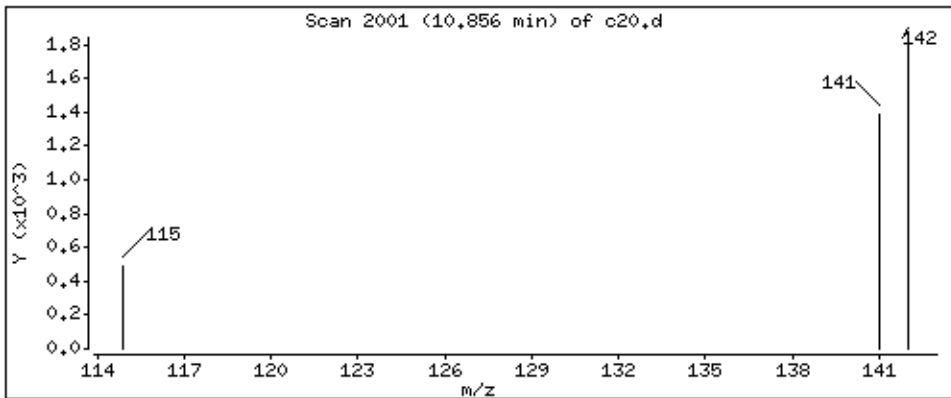
Column phase: DB-624

Column diameter: 0,18

94 2,methyl-naphthalene

Concentration: 2,44 ppb

Review Code: NI



Date : 03-JUL-2014 08:15

Client ID: THW-6(2-4)MS

Instrument: 50mv3a.i

Sample Info: 1122066,71089;5

Operator: jlz

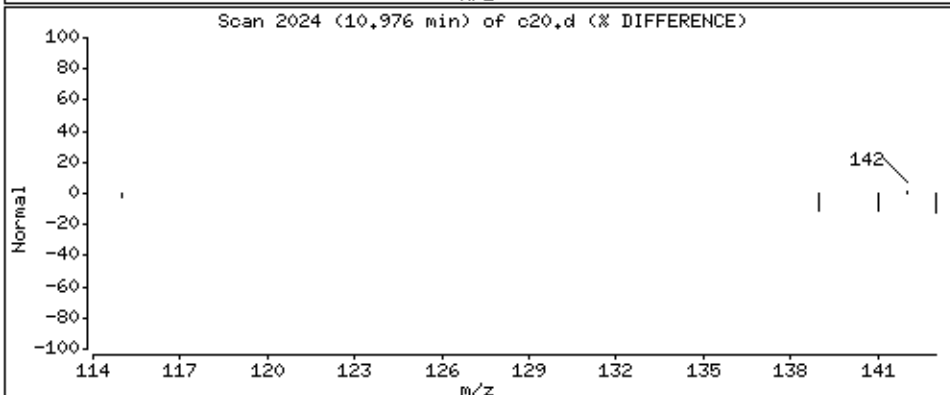
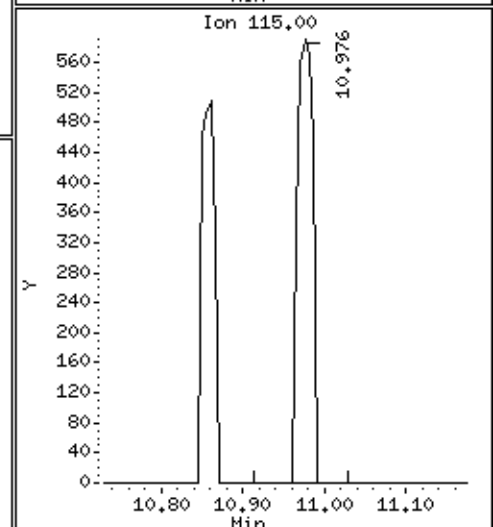
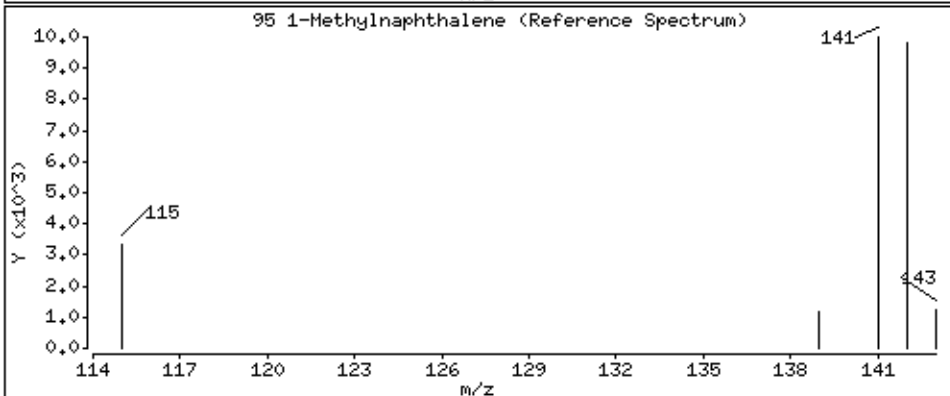
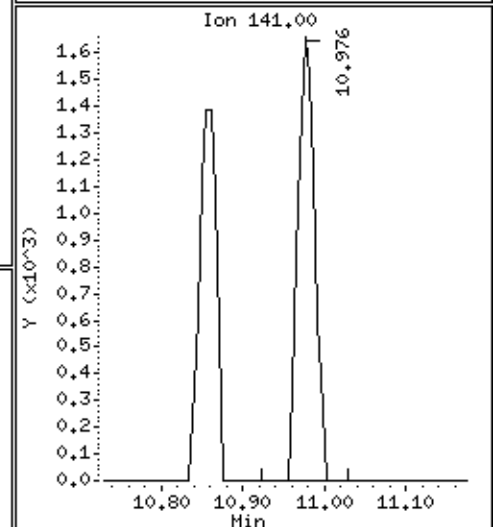
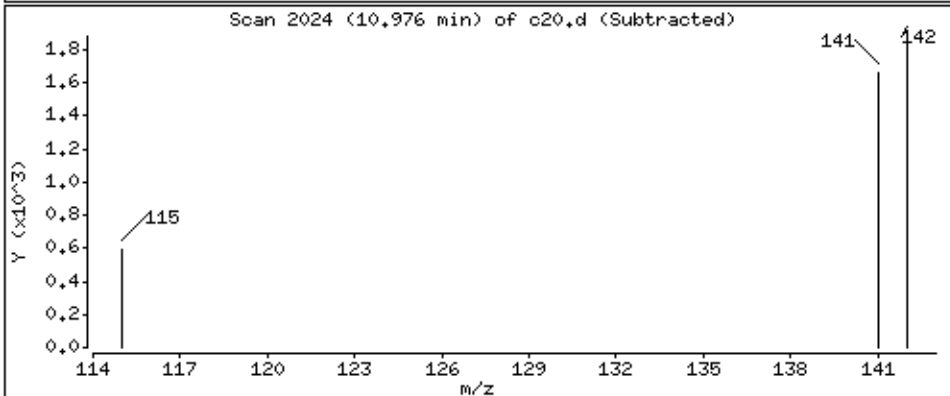
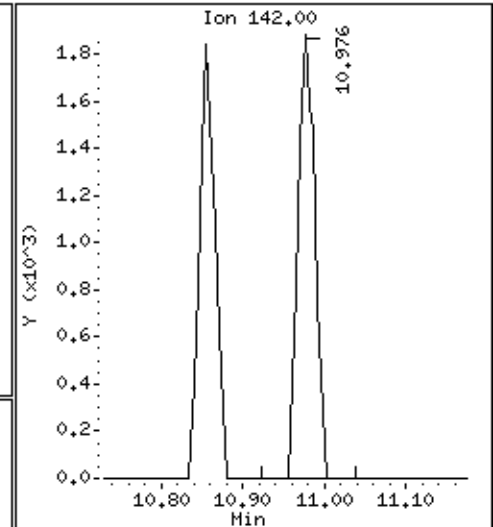
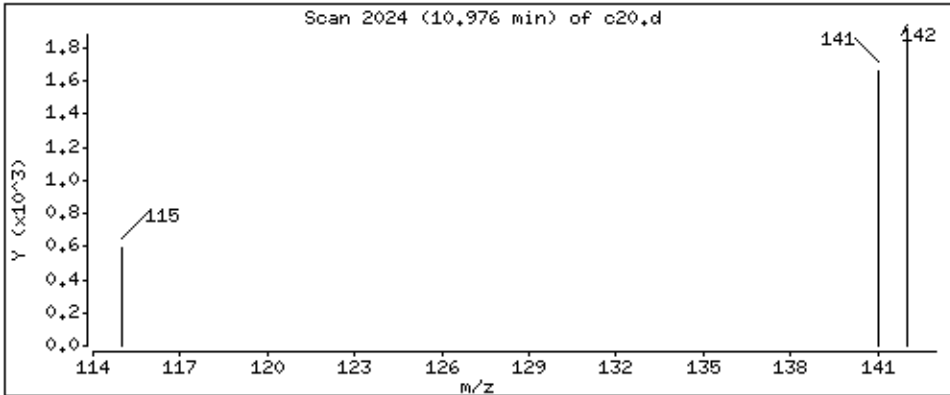
Column phase: DB-624

Column diameter: 0,18

95 1-Methylnaphthalene

Concentration: 3,20 ppb

Review Code: NI



Data File: \\192.168.50.6\chem\50mv3a.i\070214.b/c20.d

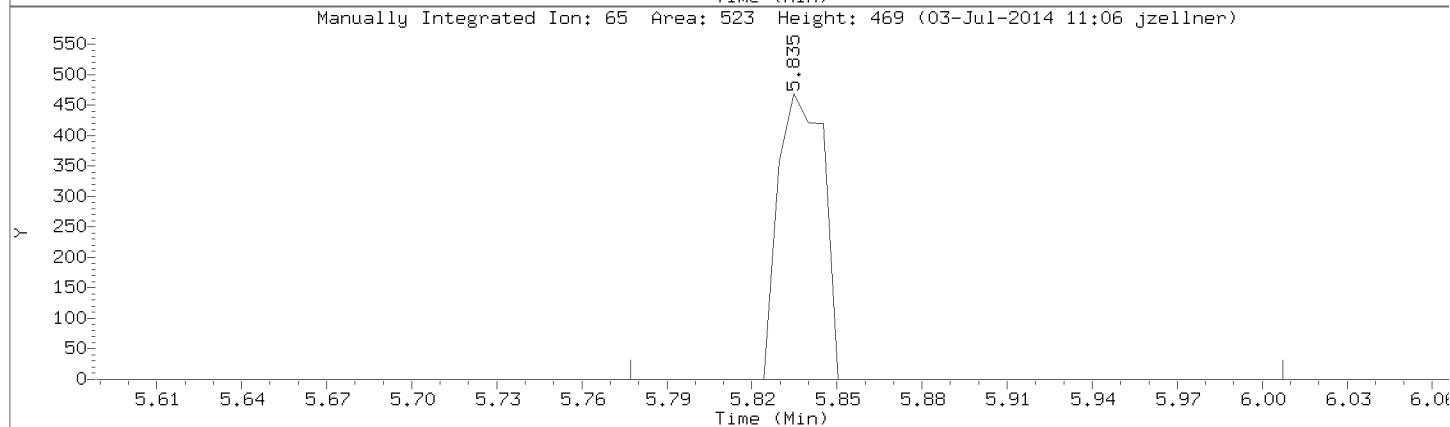
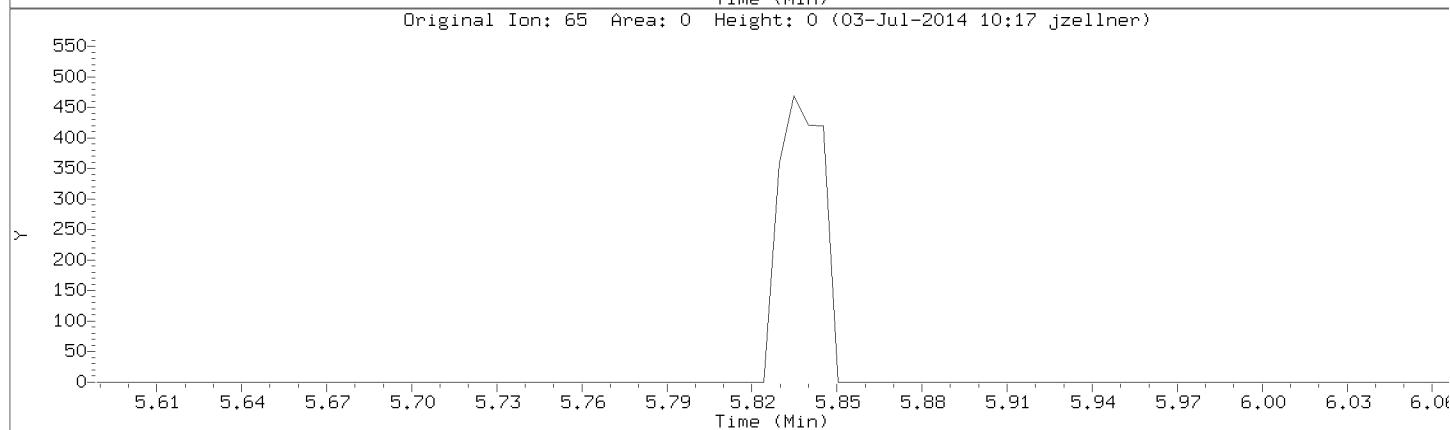
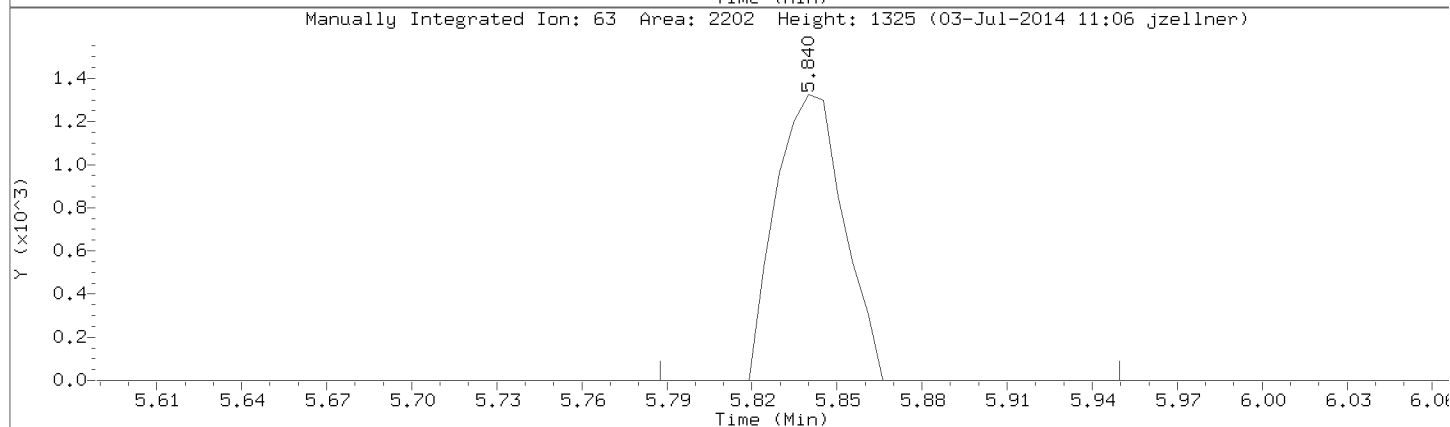
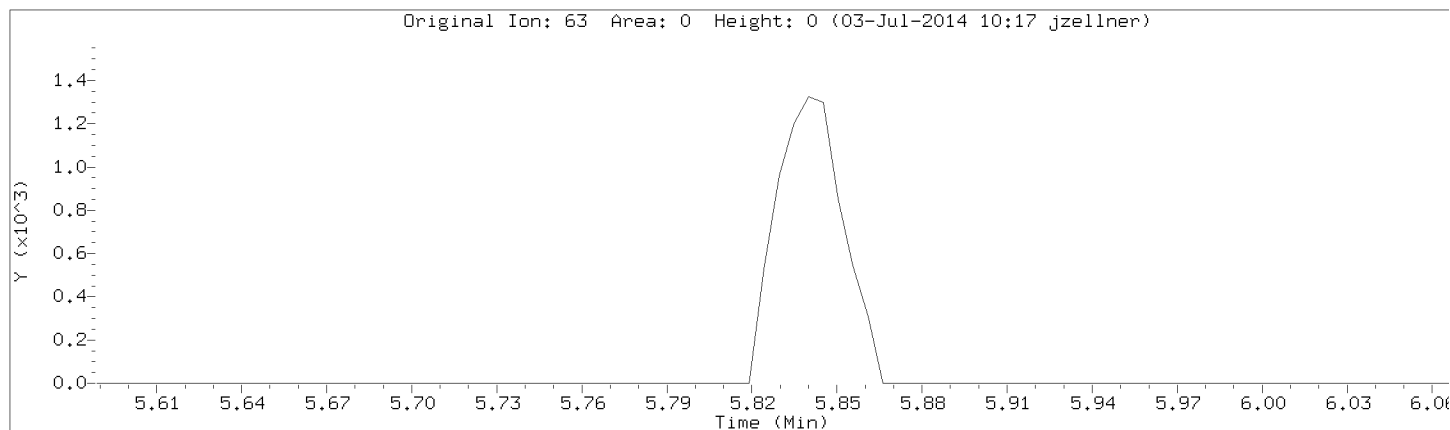
Injection Date: 03-JUL-2014 08:15

Instrument: 50mv3a.i

Lab Sample ID: 1122066

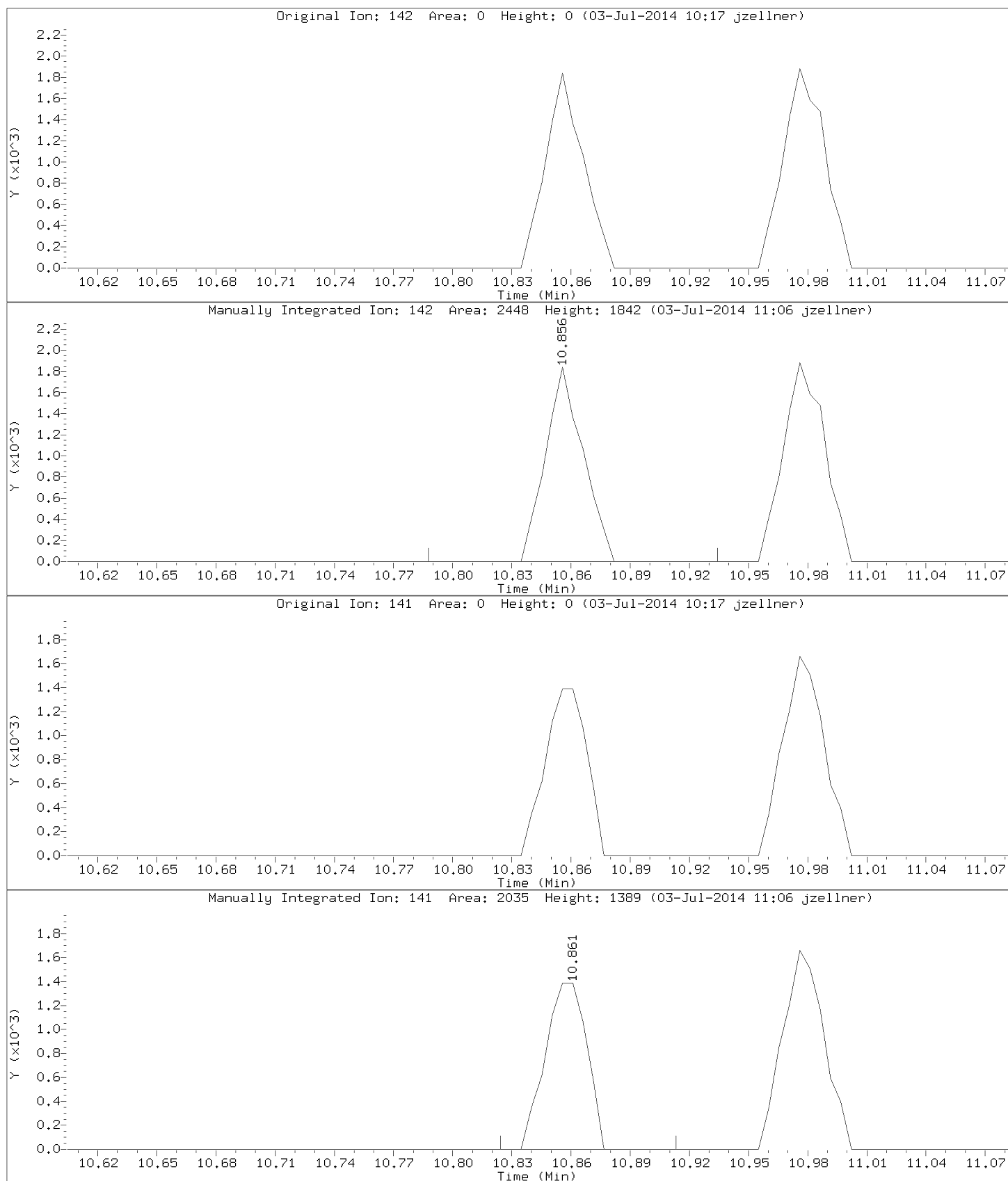
Compound: 2-Chloroethyl vinyl ether

CAS Number: 110-75-8

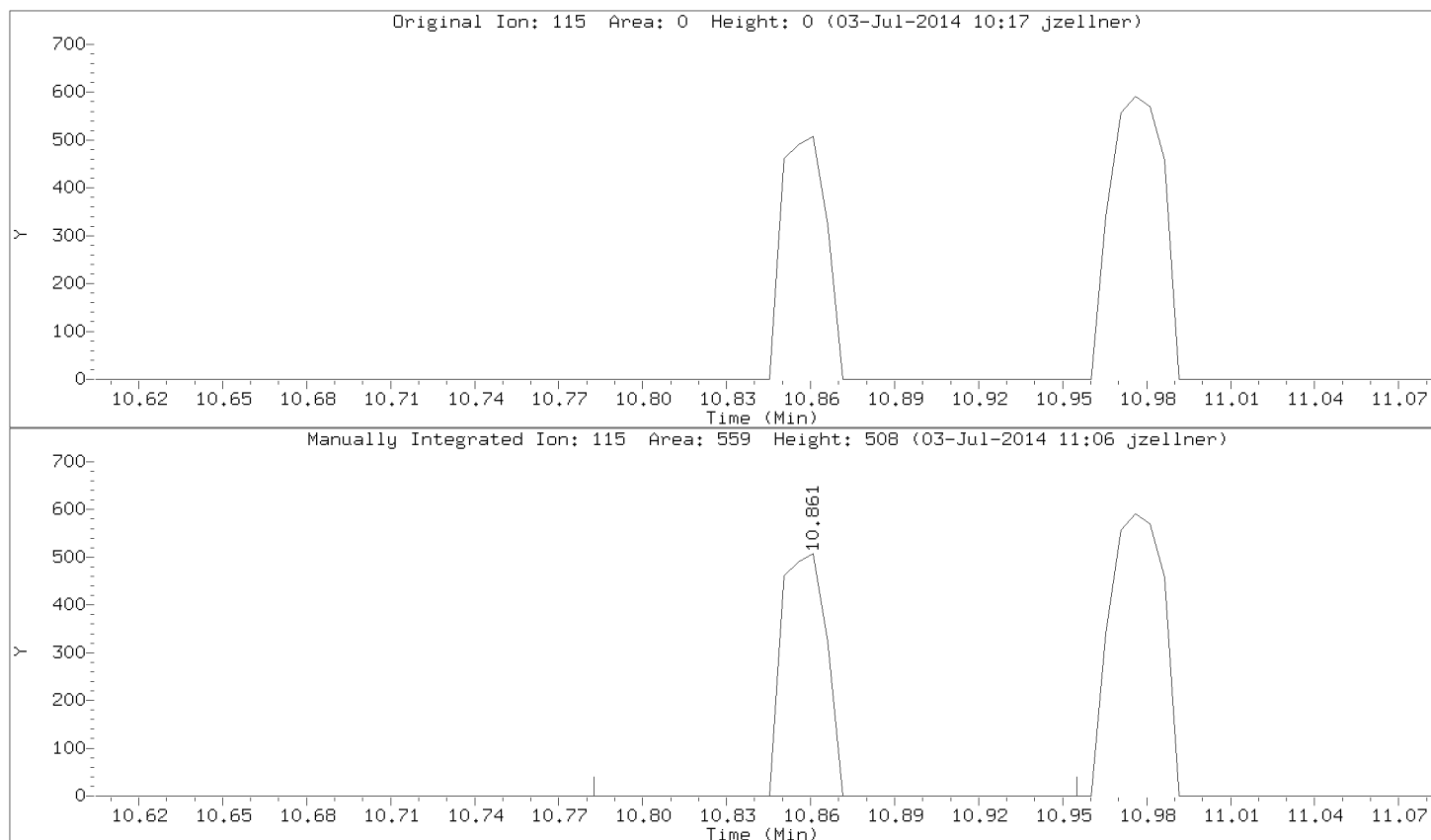


Data File: \\192.168.50.6\chem\50mv3a.i\070214.b/c20.d
Injection Date: 03-JUL-2014 08:15
Instrument: 50mv3a.i
Lab Sample ID: 1122066

Compound: 2,methyl-naphthalene
CAS Number:

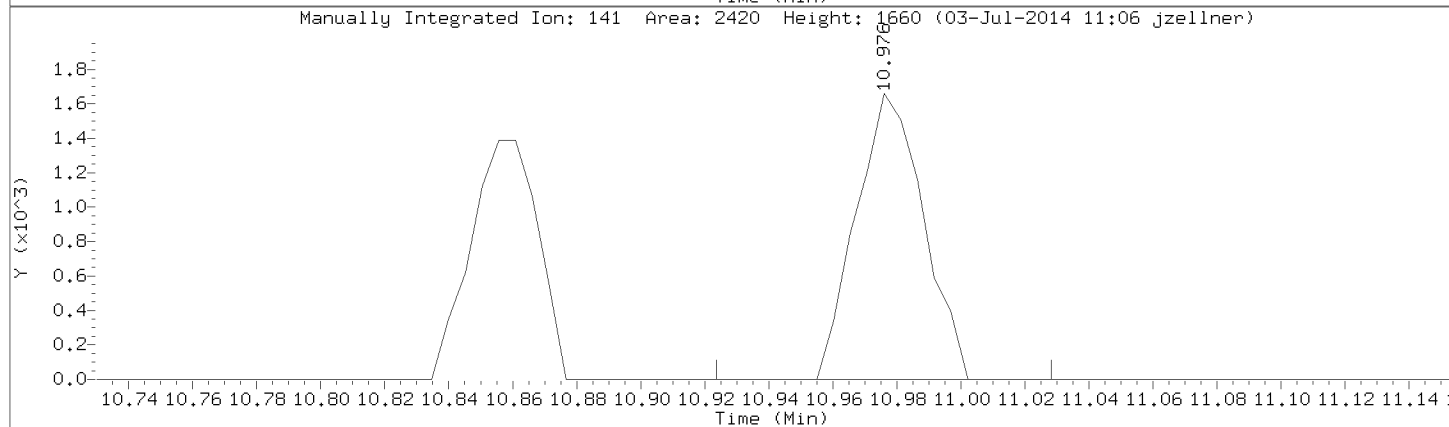
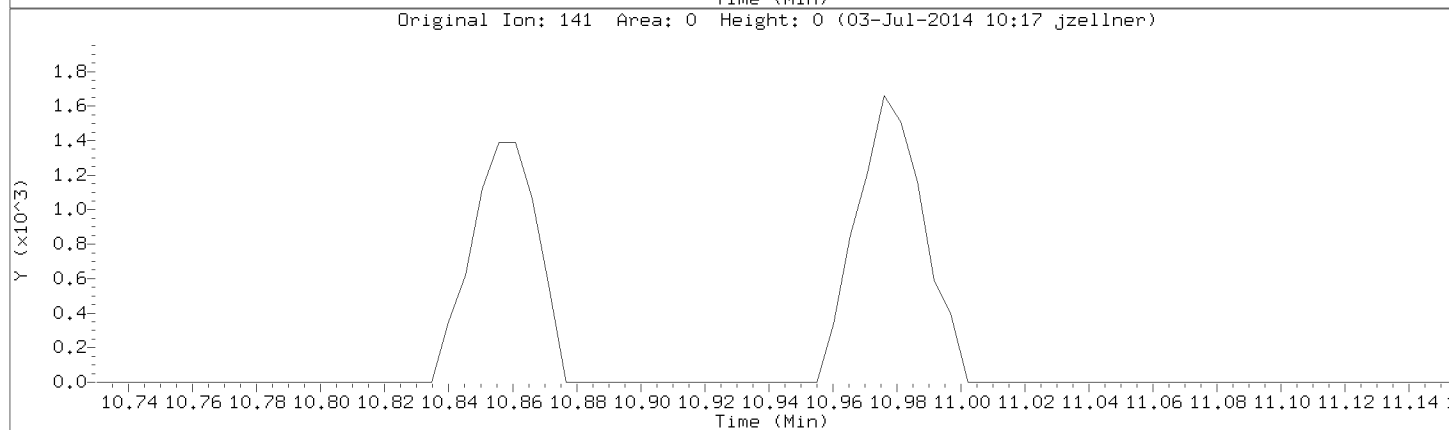
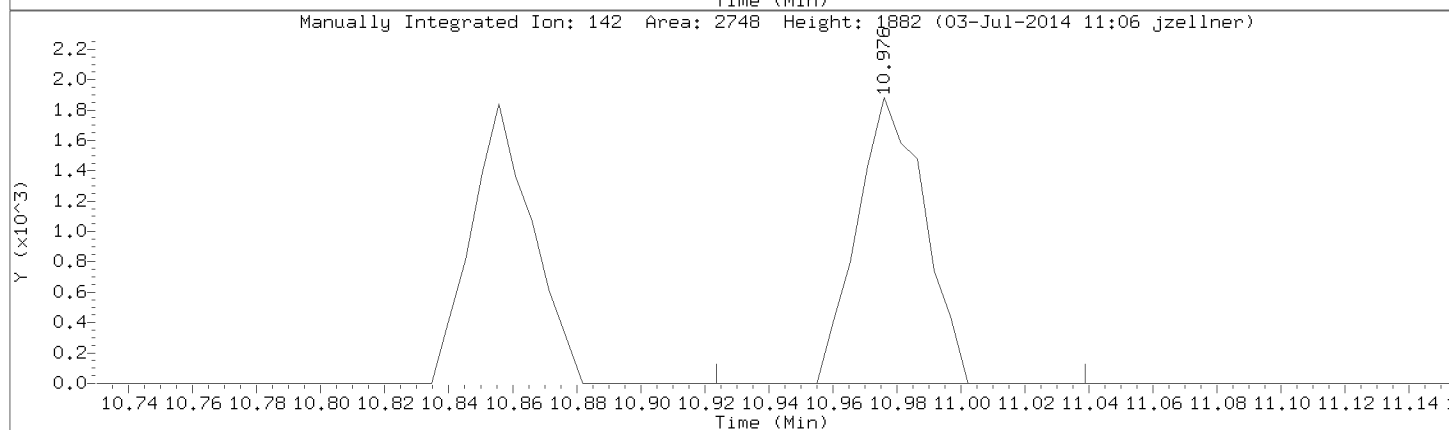
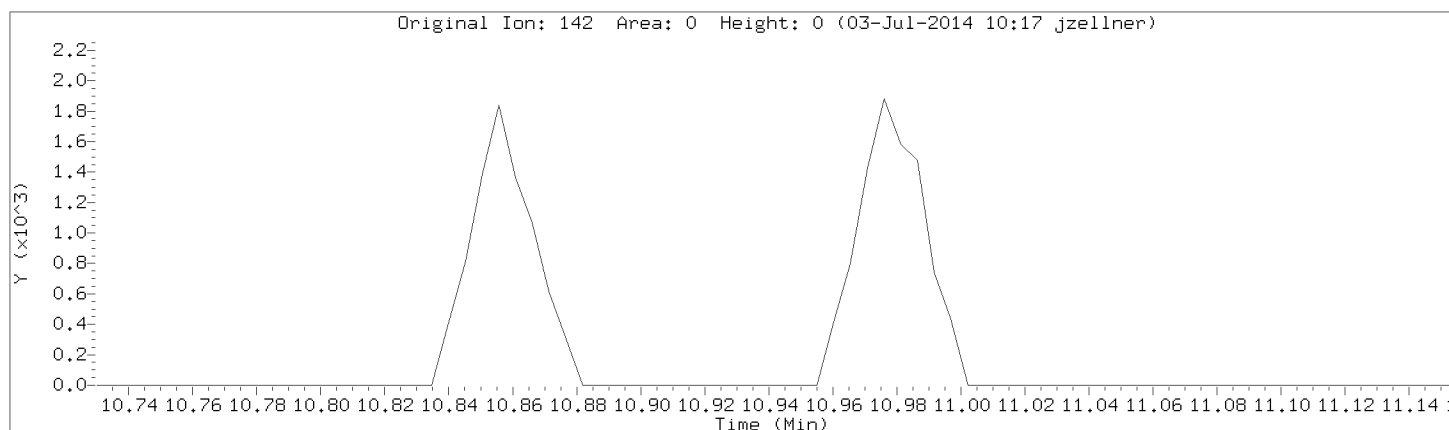


Data File: \\192.168.50.6\chem\50mv3a.i\a070214.b/c20.d
Injection Date: 03-JUL-2014 08:15
Instrument: 50mv3a.i
Lab Sample ID: 1122066

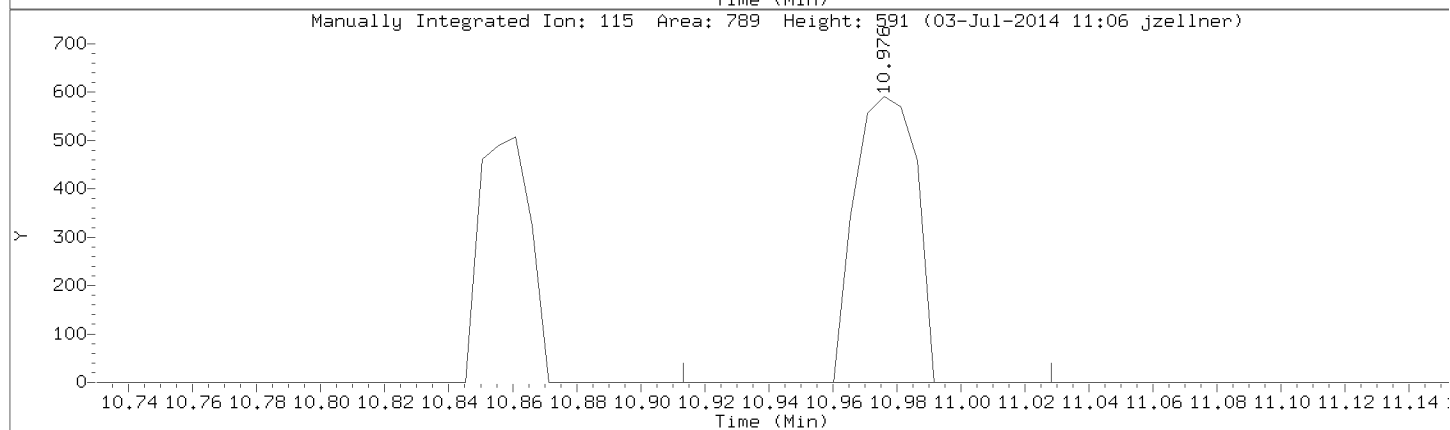
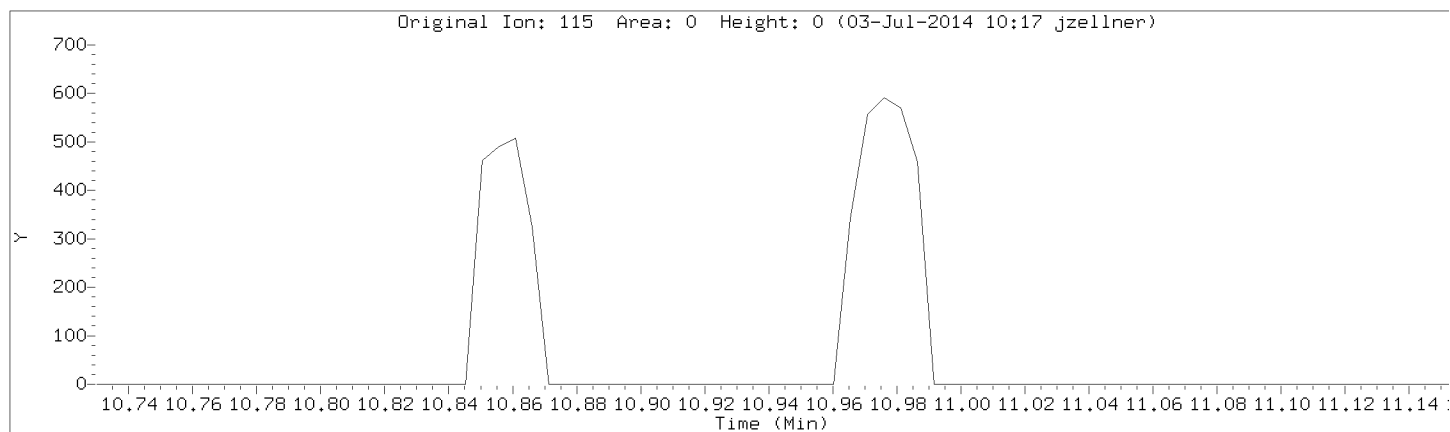


Data File: \\192.168.50.6\chem\50mv3a.i\a070214.b/c20.d
Injection Date: 03-JUL-2014 08:15
Instrument: 50mv3a.i
Lab Sample ID: 1122066

Compound: 1-Methylnaphthalene
CAS Number: 90-12-0



Data File: \\192.168.50.6\chem\50mv3a.i\a070214.b/c20.d
Injection Date: 03-JUL-2014 08:15
Instrument: 50mv3a.i
Lab Sample ID: 1122066



MSV - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

MSD

Lab Name: Pace Analytical - Indiana
Date Received: 06/21/2014 10:54
Date Extracted: 07/03/2014 17:27
Date Analyzed: 07/03/2014 17:27
Initial wt/vol: 3.832 g Final wt/vol: 5 mL Dilution: 1

Contract: Sibley-Accucast/2339-356-03-00
Matrix: Solid SDG No.: 5099688
Lab Sample ID: 1122067
Lab File ID: A070314.BVA14.D
Instrument: 50MV3A Percent Moisture: 12.9%

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
67-64-1	Acetone	403	
107-02-8	Acrolein	1820	
107-13-1	Acrylonitrile	1170	
71-43-2	Benzene	65.4	
108-86-1	Bromobenzene	34.7	
74-97-5	Bromochloromethane	59.8	
75-27-4	Bromodichloromethane	56.9	
75-25-2	Bromoform	45.5	
74-83-9	Bromomethane	71.2	
78-93-3	2-Butanone (MEK)	321	
104-51-8	n-Butylbenzene	42.4	
135-98-8	sec-Butylbenzene	54.2	
98-06-6	tert-Butylbenzene	46.9	
75-15-0	Carbon disulfide	138	
56-23-5	Carbon tetrachloride	66.6	
108-90-7	Chlorobenzene	43.3	
75-00-3	Chloroethane	90.3	
67-66-3	Chloroform	60.9	
74-87-3	Chloromethane	93.1	
95-49-8	2-Chlorotoluene	43.6	
106-43-4	4-Chlorotoluene	37.2	
124-48-1	Dibromochloromethane	45.3	
106-93-4	1,2-Dibromoethane (EDB)	49.7	
74-95-3	Dibromomethane	47.8	
95-50-1	1,2-Dichlorobenzene	29.2	
541-73-1	1,3-Dichlorobenzene	29.0	
106-46-7	1,4-Dichlorobenzene	26.8	
110-57-6	trans-1,4-Dichloro-2-butene	144	J
75-71-8	Dichlorodifluoromethane	103	
75-34-3	1,1-Dichloroethane	65.8	
107-06-2	1,2-Dichloroethane	55.3	
75-35-4	1,1-Dichloroethene	73.5	
156-59-2	cis-1,2-Dichloroethene	54.0	
156-60-5	trans-1,2-Dichloroethene	57.8	
78-87-5	1,2-Dichloropropane	61.3	
142-28-9	1,3-Dichloropropane	49.9	
594-20-7	2,2-Dichloropropane	76.4	

07/21/2014 10:54

MSV - FORM I VOA-2
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

MSD

Lab Name: Pace Analytical - Indiana
Date Received: 06/21/2014 10:54
Date Extracted: 07/03/2014 17:27
Date Analyzed: 07/03/2014 17:27
Initial wt/vol: 3.832 g Final wt/vol: 5 mL Dilution: 1

Contract: Sibley-Accucast/2339-356-03-00
Matrix: Solid SDG No.: 5099688
Lab Sample ID: 1122067
Lab File ID: A070314.BVA14.D
Instrument: 50MV3A Percent Moisture: 12.9%

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
563-58-6	1,1-Dichloropropene	64.2	
10061-01-5	cis-1,3-Dichloropropene	45.0	
10061-02-6	trans-1,3-Dichloropropene	41.7	
100-41-4	Ethylbenzene	54.4	
97-63-2	Ethyl methacrylate	175	
87-68-3	Hexachloro-1,3-butadiene	41.1	
110-54-3	n-Hexane	67.1	
591-78-6	2-Hexanone	276	
74-88-4	Iodomethane	165	
98-82-8	Isopropylbenzene (Cumene)	58.3	
99-87-6	p-Isopropyltoluene	48.8	
75-09-2	Methylene Chloride	46.5	
108-10-1	4-Methyl-2-pentanone (MIBK)	295	
1634-04-4	Methyl-tert-butyl ether	122	
91-20-3	Naphthalene	15.7	
103-65-1	n-Propylbenzene	51.4	
100-42-5	Styrene	37.8	
630-20-6	1,1,1,2-Tetrachloroethane	56.8	
79-34-5	1,1,2,2-Tetrachloroethane	47.9	
127-18-4	Tetrachloroethene	60.5	
108-88-3	Toluene	54.5	
87-61-6	1,2,3-Trichlorobenzene	15.5	
120-82-1	1,2,4-Trichlorobenzene	16.0	
71-55-6	1,1,1-Trichloroethane	71.9	
79-00-5	1,1,2-Trichloroethane	53.3	
79-01-6	Trichloroethene	59.0	
75-69-4	Trichlorofluoromethane	83.0	
96-18-4	1,2,3-Trichloropropane	50.4	
95-63-6	1,2,4-Trimethylbenzene	44.3	
108-67-8	1,3,5-Trimethylbenzene	49.2	
108-05-4	Vinyl acetate	115	J
75-01-4	Vinyl chloride	93.3	
1330-20-7	Xylene (Total)	156	

07/21/2014 10:54

Pace Analytical Services, Inc.

Data file : \\192.168.50.6\chem\50mv3a.i\a070314.b\a14.d
 Lab Smp Id: 1122067 Client Smp ID: TMW-6(2-4)MSD
 Inj Date : 03-JUL-2014 17:27
 Operator : jlz Inst ID: 50mv3a.i
 Smp Info : 1122067,71089:5
 Misc Info : 66414
 Comment :
 Method : \\192.168.50.6\chem\50mv3a.i\a070314.b\ -a8260_a_c.m
 Meth Date : 07-Jul-2014 11:05 50mv3b.i Quant Type: ISTD
 Cal Date : 19-JUN-2014 18:33 Cal File: a08cal.d
 Als bottle: 29 QC Sample: MSD
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: most.sub
 Target Version: 4.14

Concentration Formula: Amt * DF * Uf/(Ws*(100-M)/100)) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Ws	5.392	Weight of sample extracted (g)
M	12.856	% Moisture (not decanted)
Va	0.00000	Volume of aliquot extract added (uL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT	SIG	CONCENTRATIONS				ON-COLUMN (ug/L)	FINAL (ppb)	REVIEW C
			MASS	RT	EXP RT	REL RT			
1 Dichlorodifluoromethane	85		1.030	0.992	(0.232)	57547	68.6214	73.0	
2 Chloromethane	50		1.124	1.076	(0.253)	44374	62.2081	66.2	
3 Vinyl Chloride	62		1.135	1.128	(0.255)	44092	62.3330	66.3	
4 Bromomethane	94		1.292	1.285	(0.290)	15409	47.5640	50.6	
5 Chloroethane	64		1.344	1.337	(0.302)	24335	60.3380	64.2	
6 Trichlorofluoromethane	101		1.464	1.463	(0.329)	61942	55.4555	59.0	
9 Acrolein	56		1.673	1.672	(0.376)	50114	1218.23	1300	
11 1,1-Dichloroethene	96		1.736	1.735	(0.390)	28982	49.1015	52.2	
12 Acetone	43		1.747	1.745	(0.393)	25475	269.347	287	
13 Iodomethane	142		1.836	1.829	(0.412)	43467	109.973	117	
14 Carbon Disulfide	76		1.888	1.876	(0.424)	158418	92.0363	97.9	
15 Methyl Acetate	43		1.930	1.928	(0.434)	24450	100.387	107 (R)	
17 Methylene Chloride	84		2.034	2.022	(0.457)	25670	31.0566	33.0 (R)	
18 tert-Butyl Alcohol	59		2.076	2.075	(0.467)	2774	117.061	124 (Q)	
19 Acrylonitrile	53		2.176	2.174	(0.489)	91494	778.380	828	
20 Methyl-tert-butyl ether	73		2.207	2.200	(0.496)	111700	81.6925	86.9	
21 1,2-Dichloroethene (trans)	96		2.217	2.211	(0.498)	26329	38.5866	41.0	
22 n-Hexane	57		2.416	2.409	(0.543)	52620	44.8081	47.7	
24 1,1-Dichloroethane	63		2.547	2.540	(0.572)	51270	43.9444	46.8	
23 Vinyl Acetate	43		2.536	2.530	(0.570)	50297	76.6697	81.6 (R)	
25 2-Butanone	43		3.044	3.042	(0.684)	33083	214.277	228	

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS		REVIEW C
						ON-COLUMN (ug/L)	FINAL (ppb)	
26 1,2-Dichloroethene (cis)	96	3.059	3.058 (0.687)	25012	36.0919	38.4 (R)		
27 2,2-Dichloropropane	77	3.070	3.063 (0.690)	44372	51.0476	54.3		
29 Bromochloromethane	49	3.316	3.309 (0.745)	14047	39.9453	42.5		
31 Chloroform	83	3.431	3.424 (0.771)	46160	40.6990	43.3		
\$ 32 Dibromofluoromethane (S)	113	3.619	3.617 (0.813)	24257	48.1963	51.3		
33 1,1,1-Trichloroethane	97	3.619	3.617 (0.813)	48298	48.0251	51.1		
34 Cyclohexane	56	3.713	3.706 (0.834)	60777	51.8015	55.1		
35 Carbon Tetrachloride	117	3.823	3.816 (0.859)	37393	44.4840	47.3		
36 1,1-Dichloropropene	75	3.828	3.821 (0.860)	43142	42.8734	45.6		
37 Benzene	78	4.069	4.067 (0.914)	109602	43.6849	46.5		
38 1,2-Dichloroethane	62	4.152	4.146 (0.933)	26496	36.9610	39.3 (R)		
40 2,2,4-Trimethylpentane	57	4.236	4.229 (0.952)	125478	43.9023	46.7		
* 41 Fluorobenzene (IS)	96	4.451	4.449 (1.000)	108259	50.0000			
42 Trichloroethene	95	4.885	4.883 (1.098)	26998	39.3984	41.9		
43 Methylcyclohexane	55	5.146	5.145 (1.156)	49024	49.2706	52.4		
44 1,2-Dichloropropane	63	5.183	5.181 (1.165)	23607	40.9625	43.6		
45 Dibromomethane	93	5.282	5.275 (1.187)	8088	31.9516	34.0 (R)		
46 1,4-Dioxane	88	5.293	5.291 (1.189)	4423	1132.13	1200		
47 Methyl methacrylate	69	5.287	5.286 (1.188)	11861	43.2512	46.0		
48 Bromodichloromethane	83	5.497	5.495 (1.235)	27742	38.0028	40.4		
49 2-Chloroethyl vinyl ether	63	5.837	5.835 (0.776)	4964	31.5685	33.6 (R)		
50 cis-1,3-Dichloropropene	75	5.983	5.982 (0.796)	26609	30.0730	32.0 (R)		
51 4-Methyl-2-Pentanone	43	6.156	6.154 (0.819)	73250	196.700	209		
\$ 52 Toluene-d8 (S)	98	6.260	6.259 (0.832)	104052	47.7387	50.8		
53 Toluene	91	6.333	6.327 (0.842)	113504	36.3981	38.7		
54 trans-1,3-Dichloropropene	75	6.595	6.593 (0.877)	17510	27.8512	29.6 (R)		
55 Ethyl Methacrylate	69	6.663	6.667 (0.886)	74649	116.565	124 (R)		
56 1,1,2-Trichloroethane	83	6.768	6.766 (0.900)	12432	35.6024	37.9 (R)		
57 Tetrachloroethene	166	6.820	6.818 (0.907)	36055	40.4229	43.0		
58 1,3-Dichloropropane	76	6.904	6.902 (0.918)	26285	33.3315	35.5 (R)		
59 2-Hexanone	43	6.961	6.965 (0.926)	46939	184.372	196		
60 Dibromochloromethane	129	7.081	7.080 (0.942)	15215	30.2850	32.2		
61 1,2-Dibromoethane	107	7.165	7.164 (0.953)	12368	33.2257	35.4 (R)		
* 62 Chlorobenzene-D5 (IS)	117	7.521	7.524 (1.000)	82070	50.0000			
63 Chlorobenzene	112	7.547	7.545 (1.003)	56689	28.9260	30.8 (R)		
64 1,1,1,2-Tetrachloroethane	131	7.620	7.619 (1.013)	22123	37.9180	40.3		
65 Ethylbenzene	106	7.625	7.624 (1.014)	42402	36.3013	38.6		
66 m&p-Xylene	106	7.719	7.718 (1.026)	99066	69.5996	74.1 (R)		
67 o-Xylene	106	7.976	7.974 (1.060)	45870	34.4716	36.7 (R)		
68 Styrene	104	7.991	7.995 (1.063)	55457	25.2477	26.9 (R)		
69 Bromoform	173	8.112	8.115 (0.901)	8249	30.4193	32.4		
70 Isopropylbenzene	105	8.216	8.220 (1.092)	145290	38.9325	41.4		
\$ 71 4-Bromofluorobenzene (S)	95	8.331	8.330 (1.108)	37529	49.0393	52.2		
72 Bromobenzene	77	8.410	8.408 (1.118)	29424	23.2020	24.7 (R)		
73 1,1,2,2-Tetrachloroethane	83	8.420	8.419 (0.935)	15951	32.0050	34.0 (R)		
74 trans-1,4-Dichloro-2-butene	53	8.436	8.434 (1.122)	12568	95.8557	102 (QR)		
75 1,2,3-Trichloropropane	110	8.452	8.450 (0.938)	5540	33.6469	35.8 (Q)		
76 n-Propylbenzene	91	8.478	8.476 (0.941)	150289	34.3365	36.5 (R)		
77 2-Chlorotoluene	91	8.530	8.529 (0.947)	71353	29.1161	31.0 (R)		
78 1,3,5-Trimethylbenzene	105	8.582	8.581 (0.953)	105843	32.8539	35.0 (R)		
79 4-Chlorotoluene	126	8.603	8.602 (0.955)	21173	24.8737	26.5 (R)		
80 tert-Butylbenzene	119	8.765	8.764 (0.973)	108601	31.3449	33.4		
81 1,2,4-Trimethylbenzene	105	8.797	8.801 (0.977)	95014	29.5641	31.4 (R)		
82 sec-Butylbenzene	105	8.891	8.889 (0.987)	155448	36.1847	38.5		

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS		REVIEW C
						ON-COLUMN (ug/L)	FINAL (ppb)	
83 1,3-Dichlorobenzene	146	8.959	8.963	(0.995)	34018	19.3867	20.6 (R)	
84 p-Isopropyltoluene	119	8.975	8.973	(0.997)	121840	32.5977	34.7 (R)	
* 85 1,4-Dichlorobenzene-d4 (IS)	152	9.006	9.005	(1.000)	44353	50.0000		
86 1,4-Dichlorobenzene	146	9.022	9.020	(1.002)	31308	17.8875	19.0 (R)	
87 n-Butylbenzene	91	9.194	9.193	(1.021)	95361	28.3433	30.2 (R)	
88 1,2-Dichlorobenzene	146	9.210	9.214	(1.023)	30229	19.5072	20.8 (R)	
89 1,2-Dibromo-3-chloropropane	155	9.623	9.622	(1.069)	2125	19.6503	20.9 (R)	
90 1,2,4-Trichlorobenzene	180	10.042	10.040	(1.115)	11912	10.6683	11.4 (R)	
91 Hexachlorobutadiene	225	10.110	10.108	(1.123)	19393	27.4369	29.2 (R)	
92 Naphthalene	128	10.193	10.192	(1.132)	20180	10.4683	11.1 (R)	
93 1,2,3-Trichlorobenzene	180	10.314	10.312	(1.145)	10399	10.3765	11.0 (R)	
94 2,methyl-naphthalene	142	10.858	10.856	(1.206)	6585	5.44587	5.79 (R)	
95 1-Methylnaphthalene	142	10.978	10.976	(1.219)	7297	7.05261	7.50 (R)	

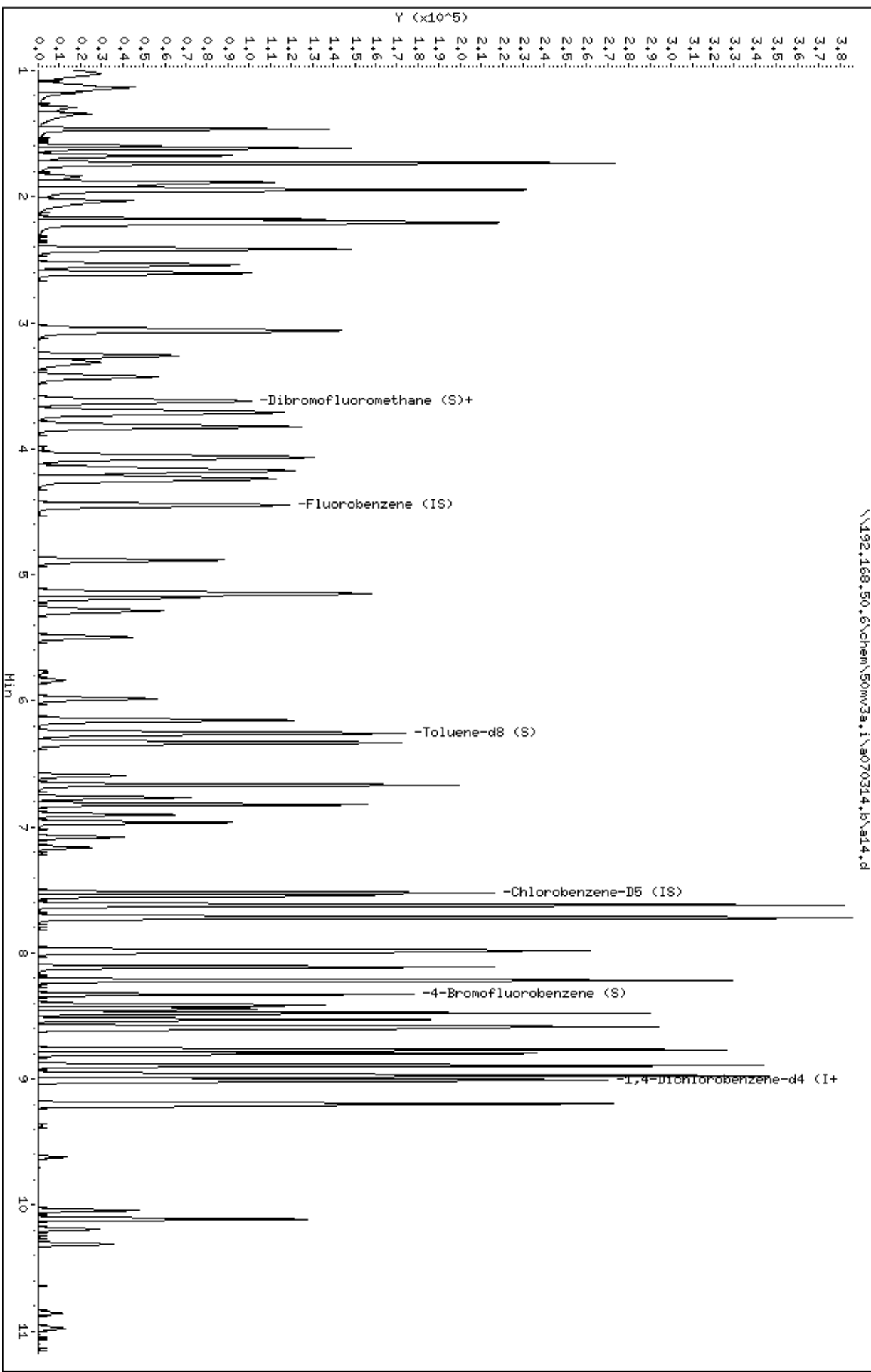
QC Flag Legend

- Q - Qualifier signal failed the ratio test.
- R - Spike/Surrogate failed recovery limits.

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Date: 03-JUL-2014 17:27
Client ID: TMM-6(2-4)MSD
Sample Info: 1122067,7108915
Column phase: DB-624

Instrument: 50mw3a.1
Operator: JIZ
Column diameter: 0.18

\\192.168.50.6\chem\50mw3a.1\9070314.b\914.d



Date : 03-JUL-2014 17:27

Client ID: THW-6(2-4)MSD

Instrument: 50mv3a.i

Sample Info: 1122067,71089;5

Operator: jlz

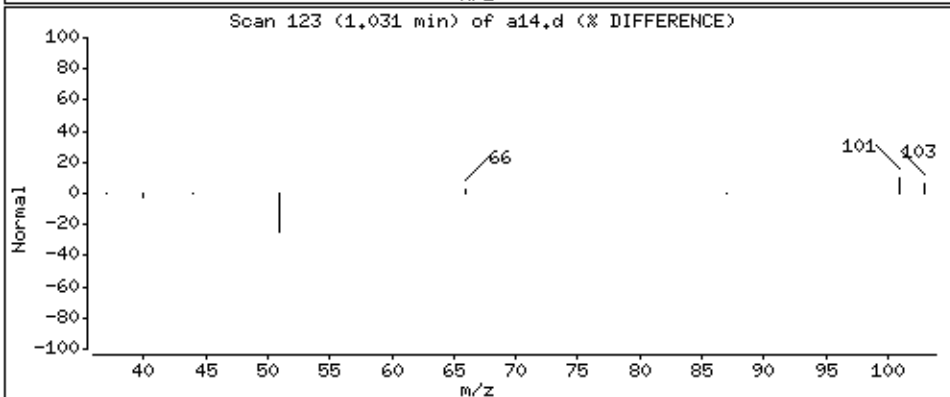
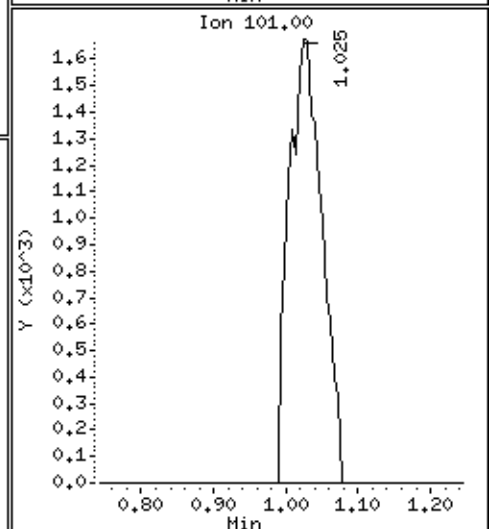
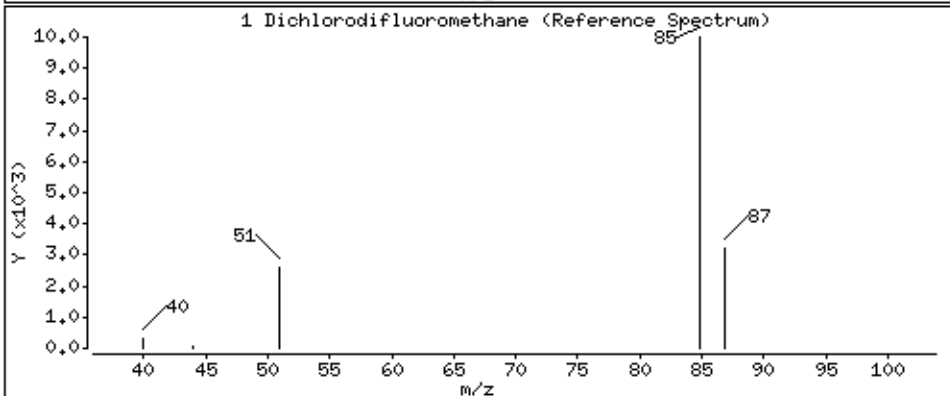
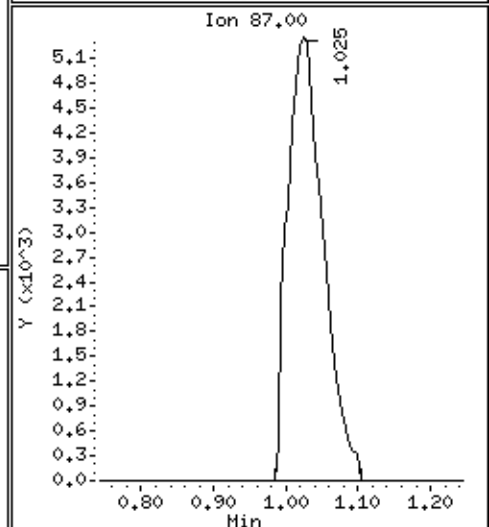
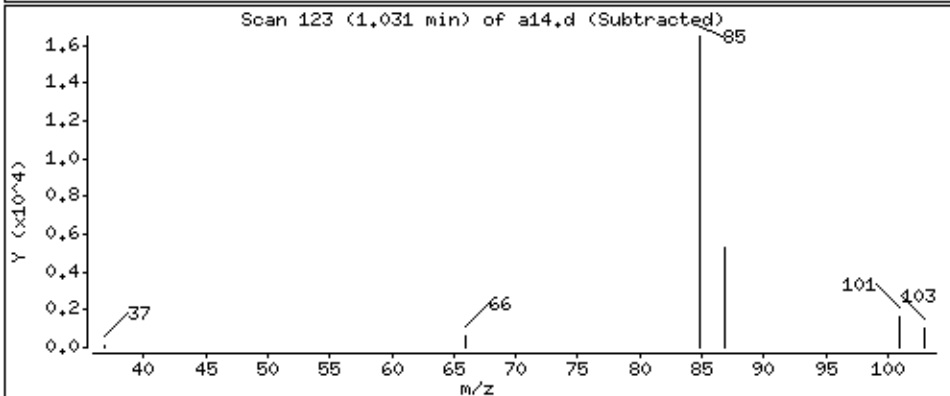
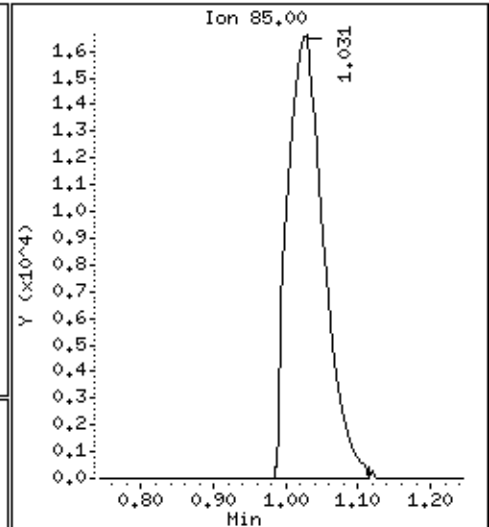
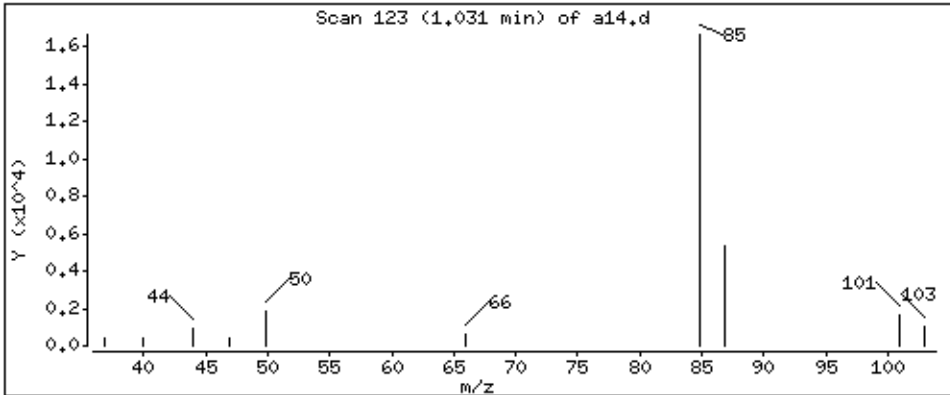
Column phase: DB-624

Column diameter: 0,18

1 Dichlorodifluoromethane

Concentration: 73,0 ppb

Review Code:



Date : 03-JUL-2014 17:27

Client ID: THW-6(2-4)MSD

Instrument: 50mv3a.i

Sample Info: 1122067,71089;5

Operator: jlz

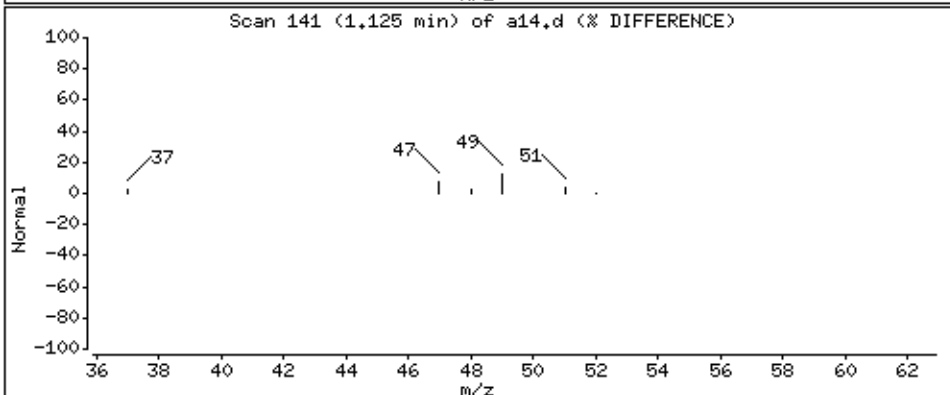
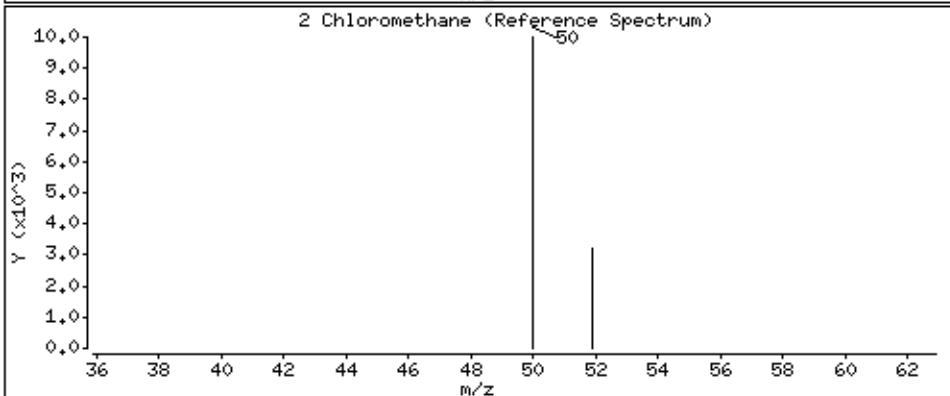
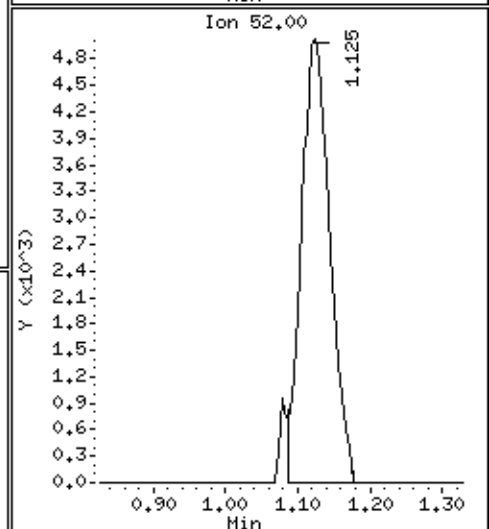
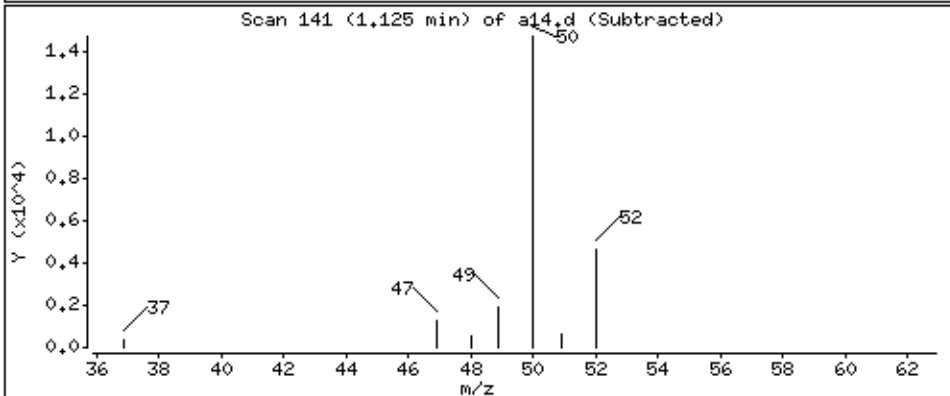
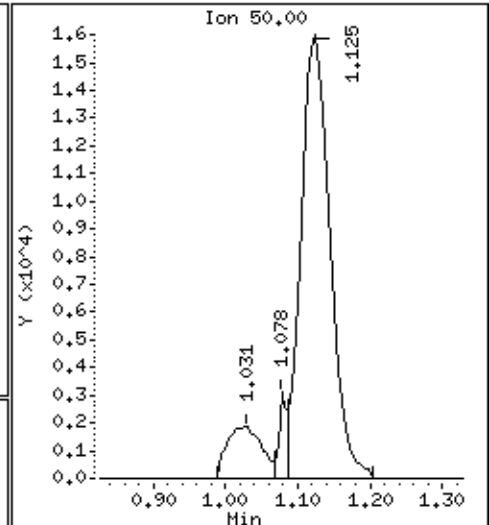
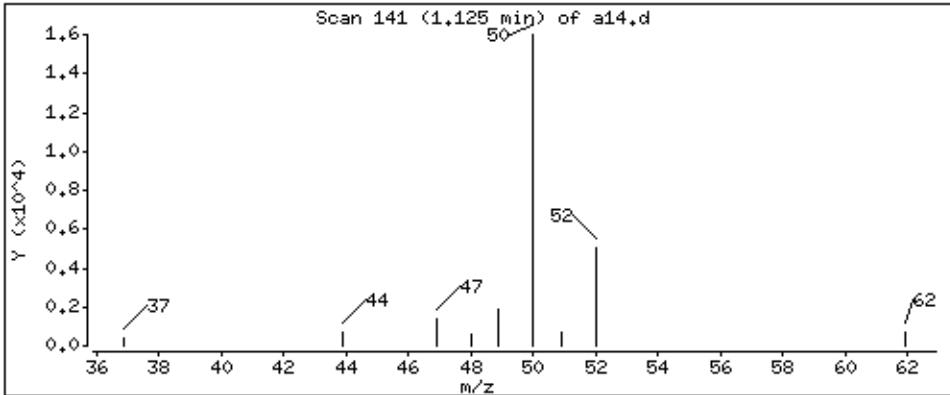
Column phase: DB-624

Column diameter: 0,18

2 Chloromethane

Concentration: 66,2 ppb

Review Code:



Date : 03-JUL-2014 17:27

Client ID: THW-6(2-4)MSD

Instrument: 50mv3a.i

Sample Info: 1122067,71089;5

Operator: jlz

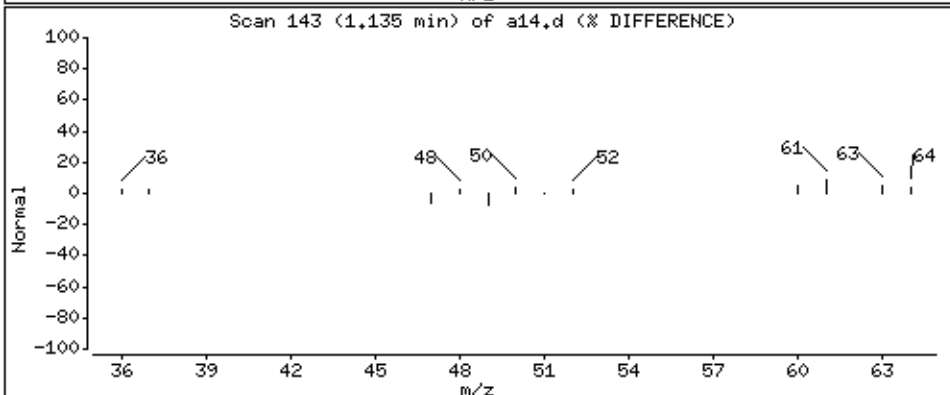
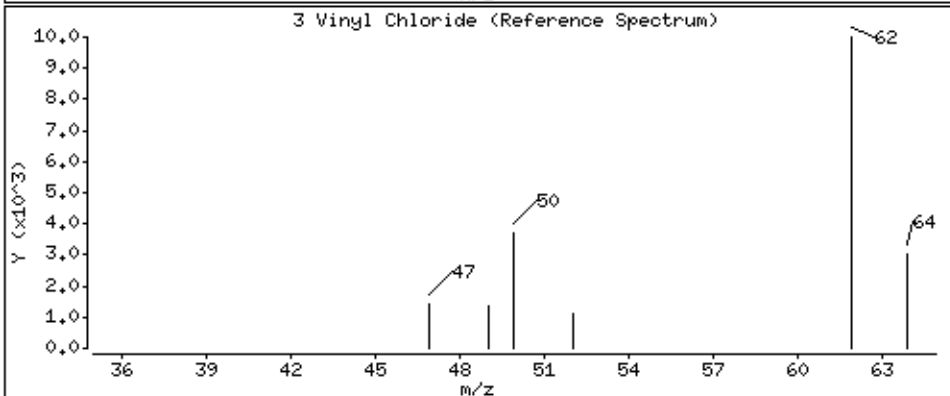
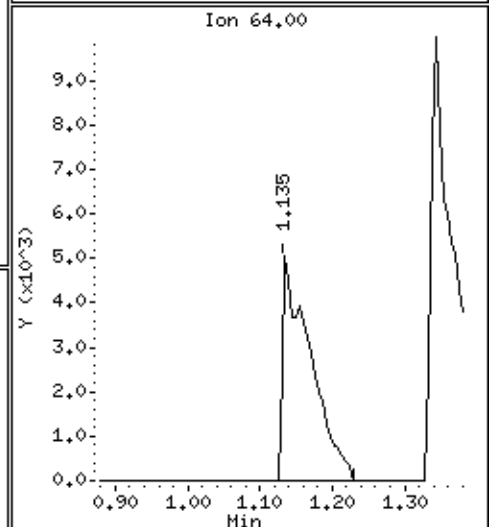
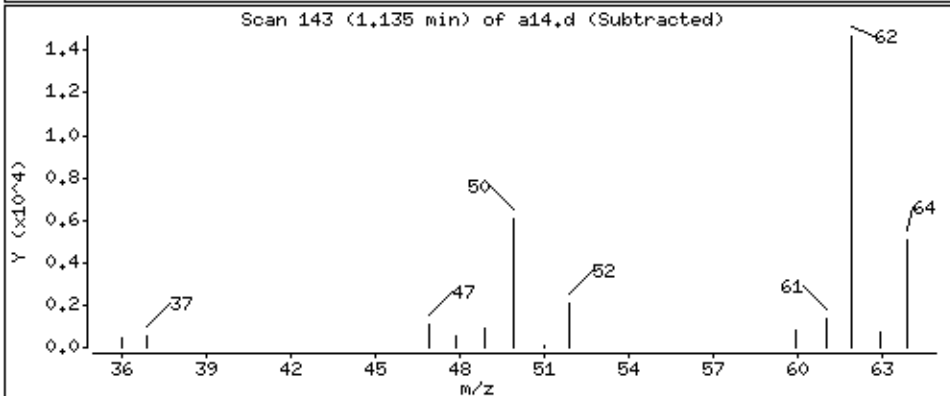
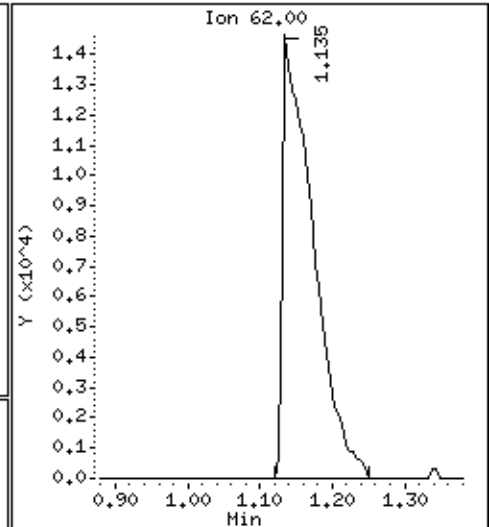
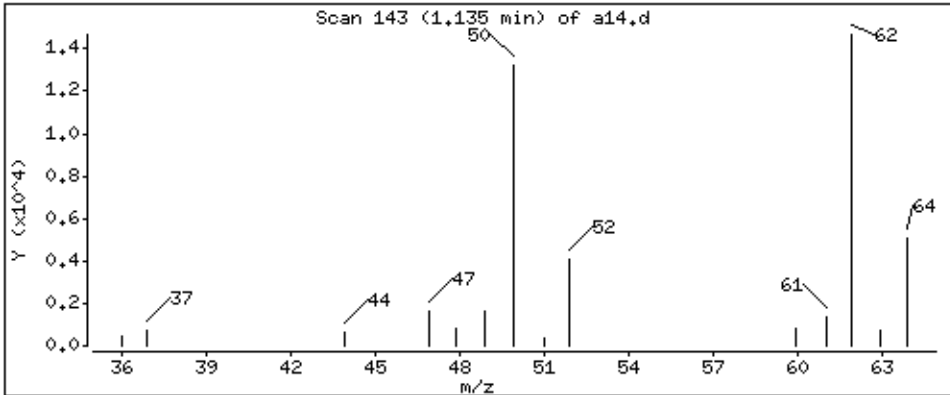
Column phase: DB-624

Column diameter: 0,18

3 Vinyl Chloride

Concentration: 66,3 ppb

Review Code:



Date : 03-JUL-2014 17:27

Client ID: THW-6(2-4)MSD

Instrument: 50mv3a.i

Sample Info: 1122067,71089;5

Operator: jlz

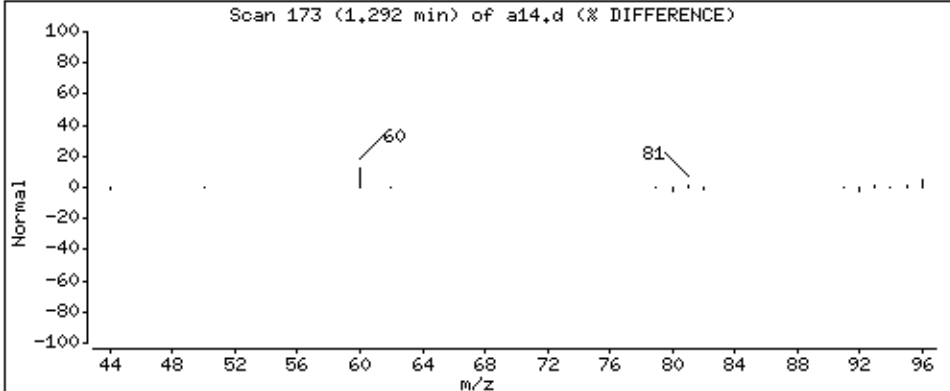
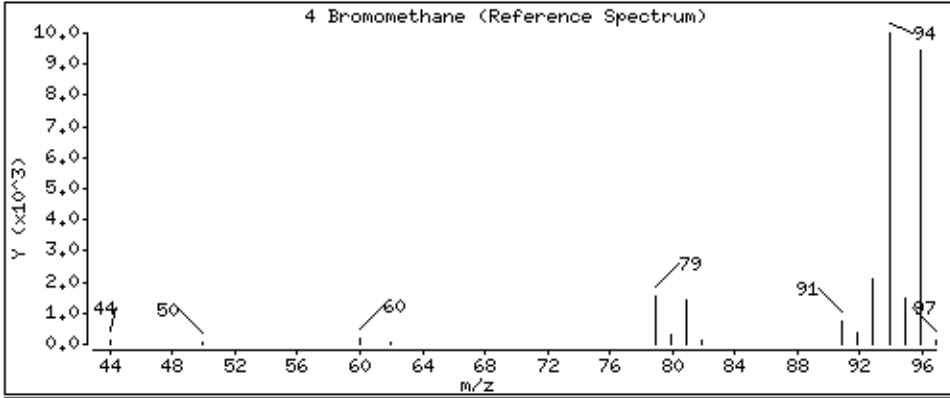
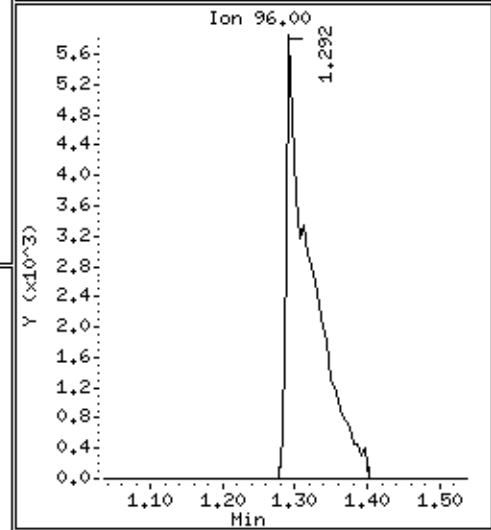
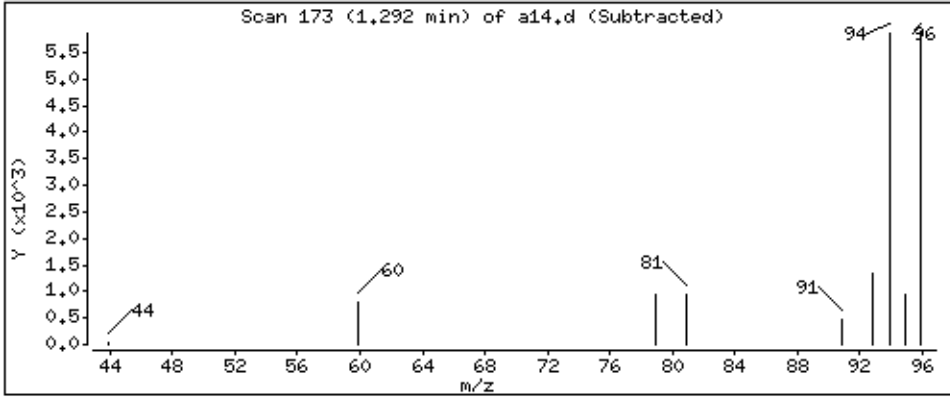
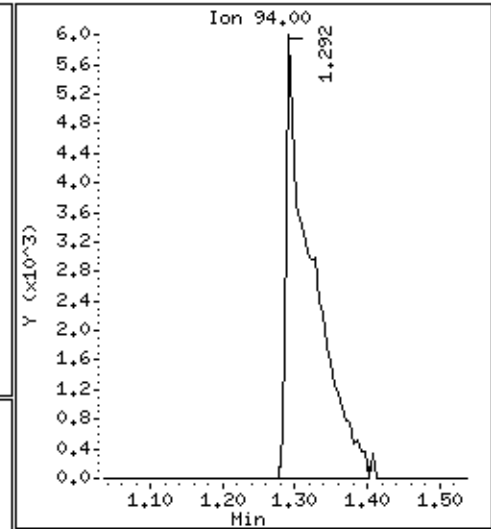
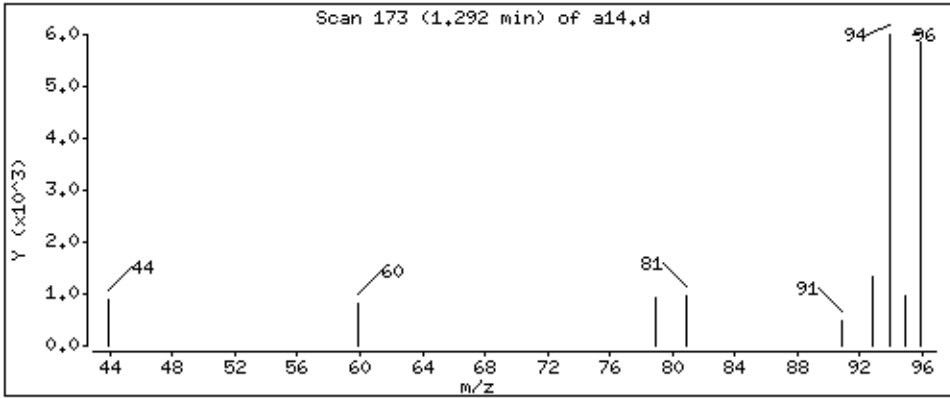
Column phase: DB-624

Column diameter: 0,18

4 Bromomethane

Concentration: 50,6 ppb

Review Code:



Date : 03-JUL-2014 17:27

Client ID: THW-6(2-4)MSD

Instrument: 50mv3a.i

Sample Info: 1122067,71089;5

Operator: jlz

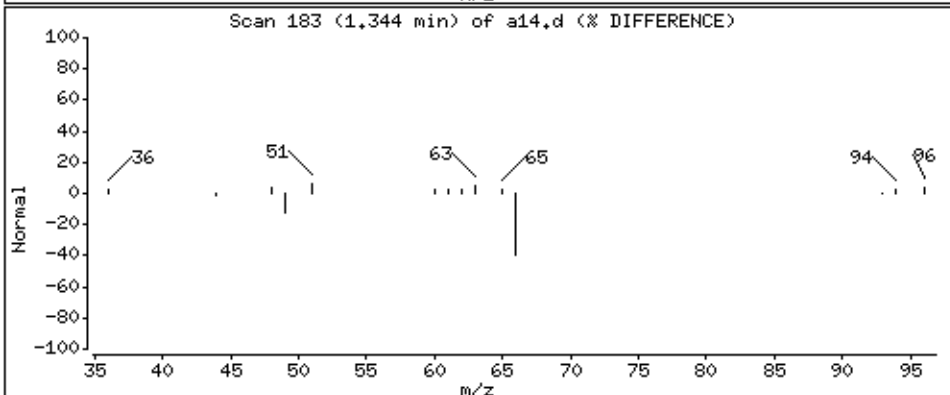
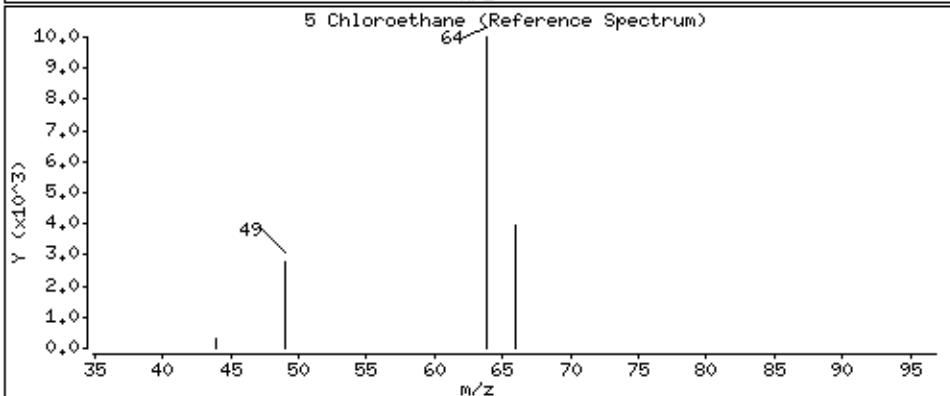
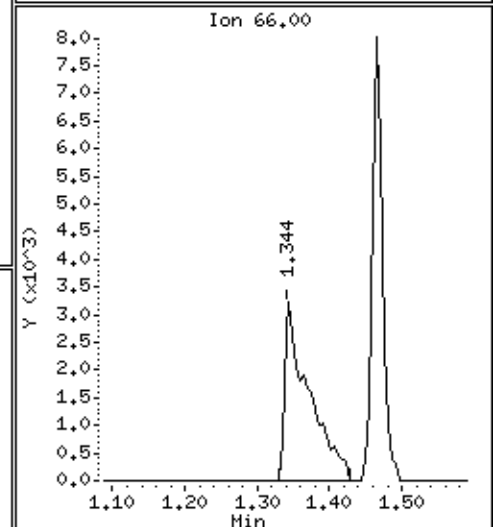
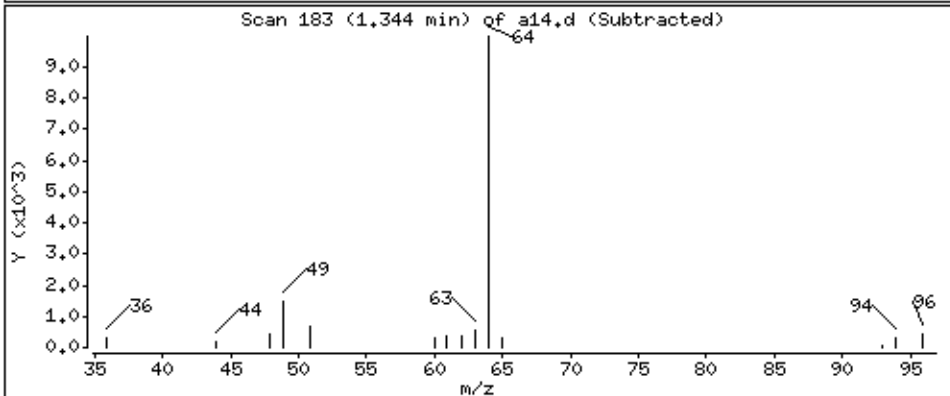
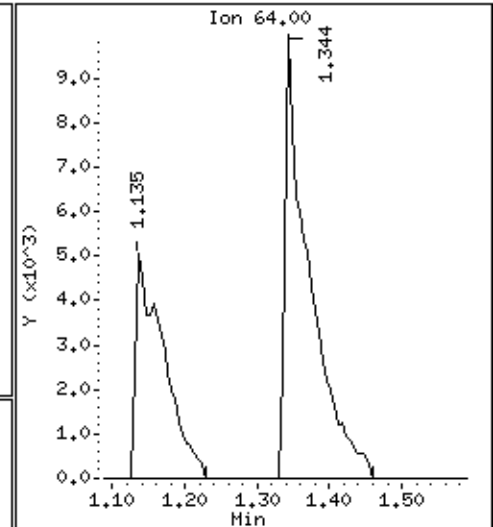
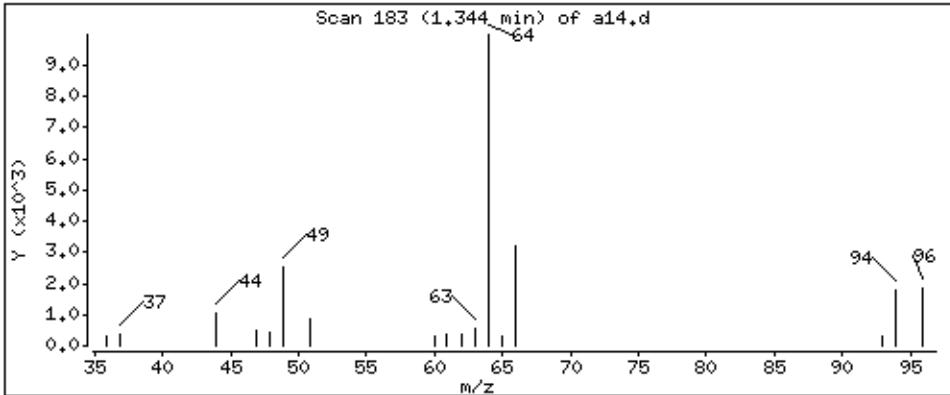
Column phase: DB-624

Column diameter: 0,18

5 Chloroethane

Concentration: 64,2 ppb

Review Code:



Date : 03-JUL-2014 17:27

Client ID: THW-6(2-4)MSD

Instrument: 50mw3a.i

Sample Info: 1122067,71089;5

Operator: jlz

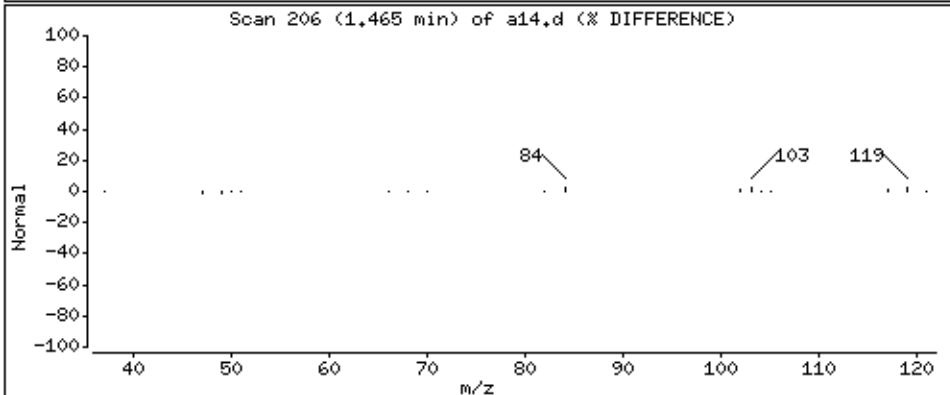
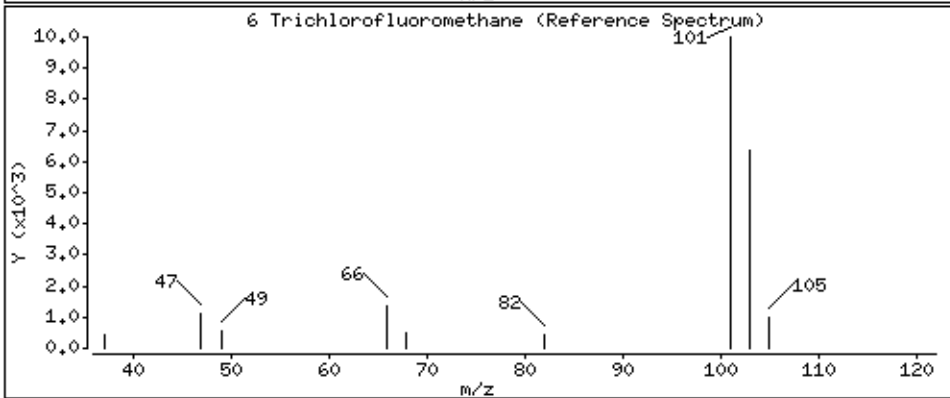
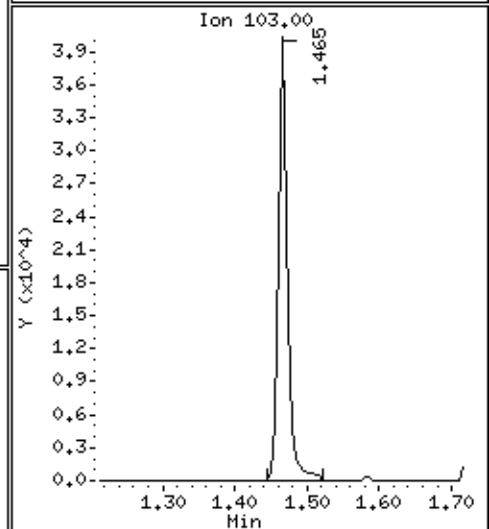
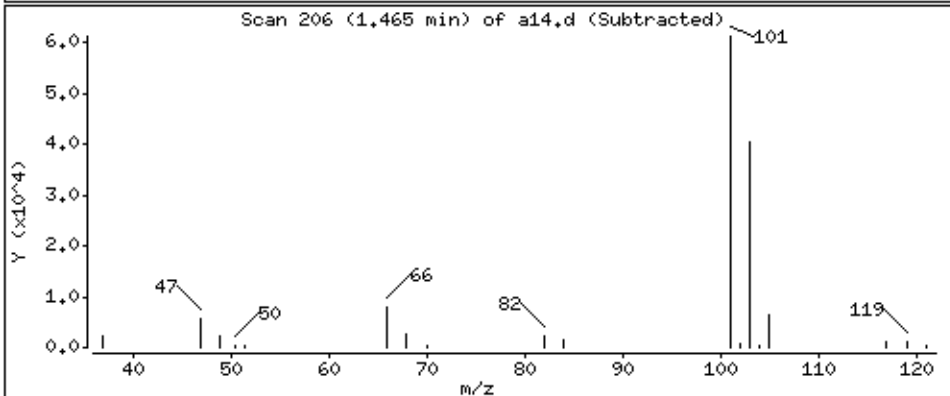
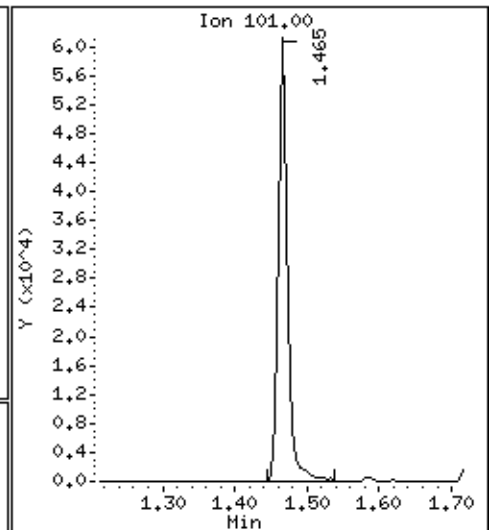
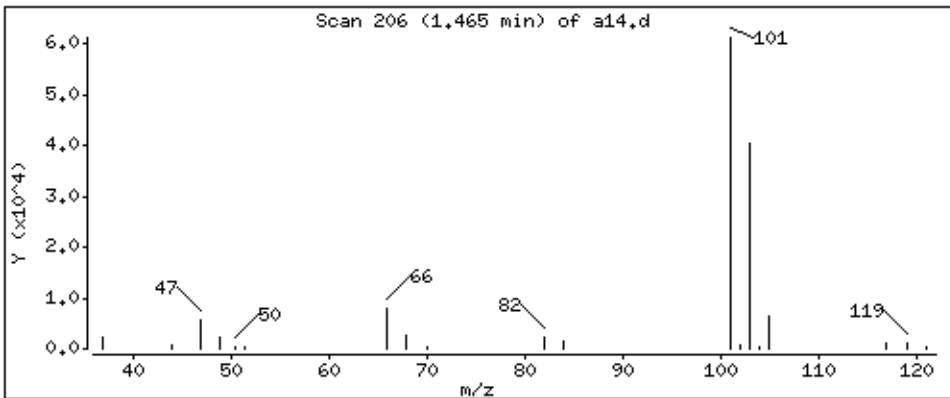
Column phase: DB-624

Column diameter: 0,18

6 Trichlorofluoromethane

Concentration: 59,0 ppb

Review Code:



Date : 03-JUL-2014 17:27

Client ID: THW-6(2-4)MSD

Instrument: 50mv3a.i

Sample Info: 1122067,71089;5

Operator: jlz

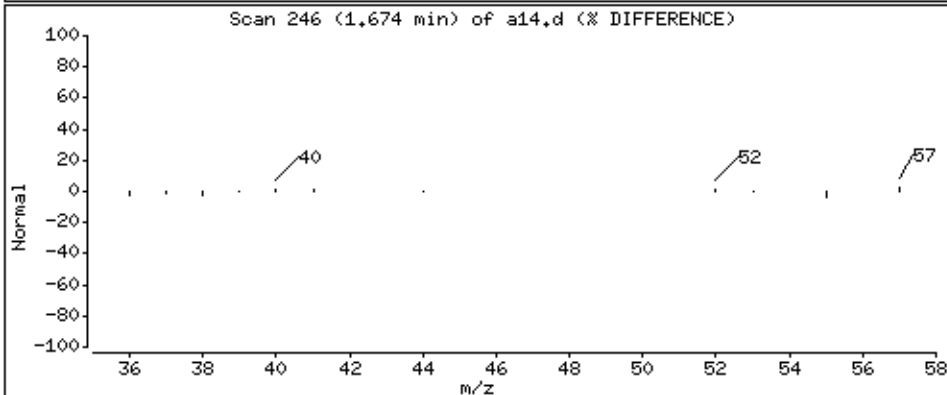
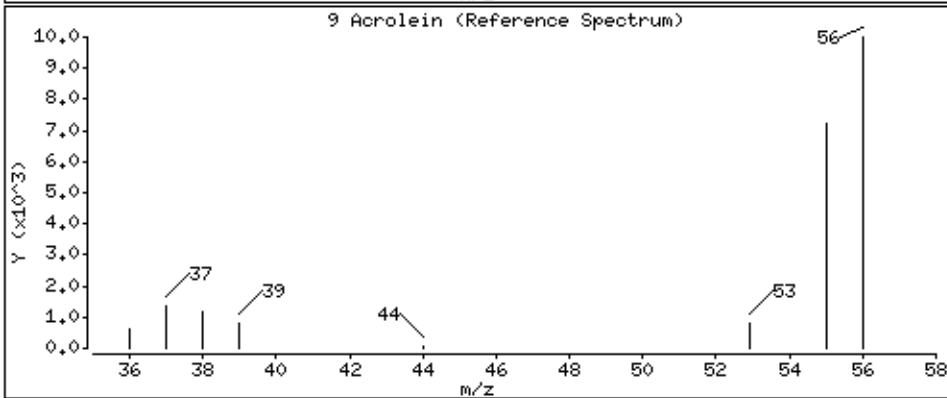
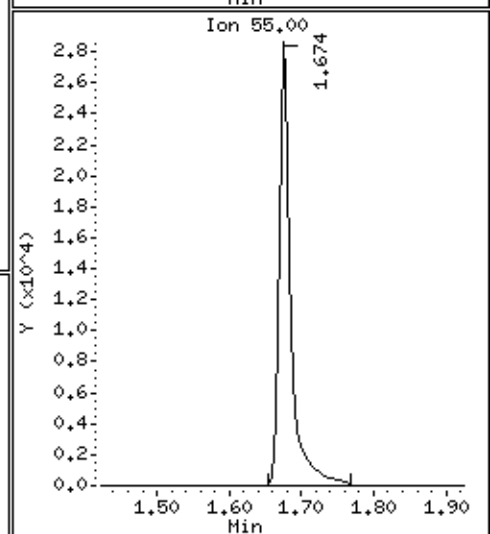
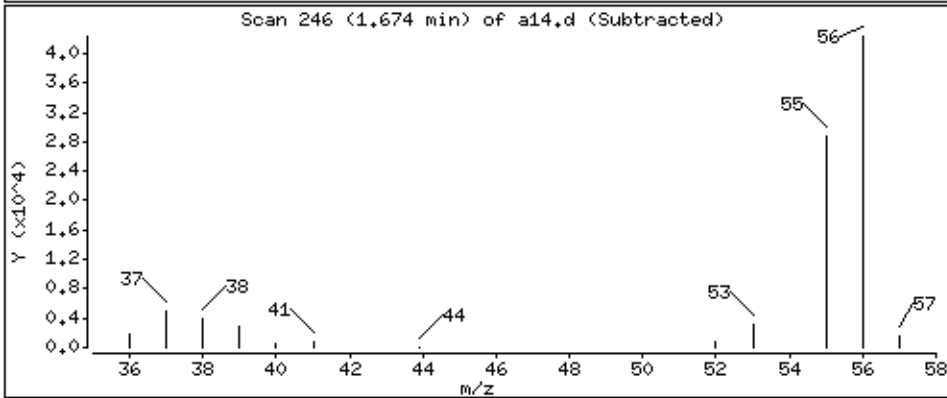
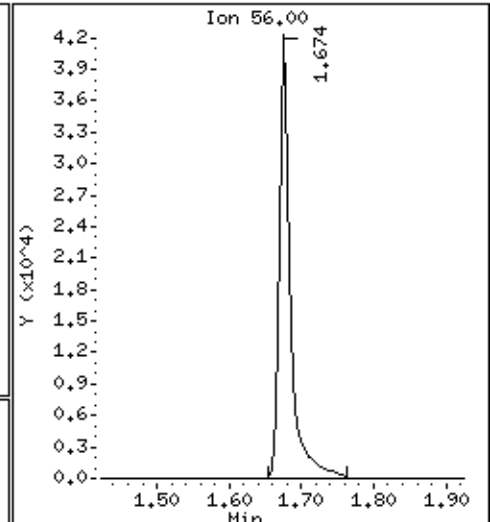
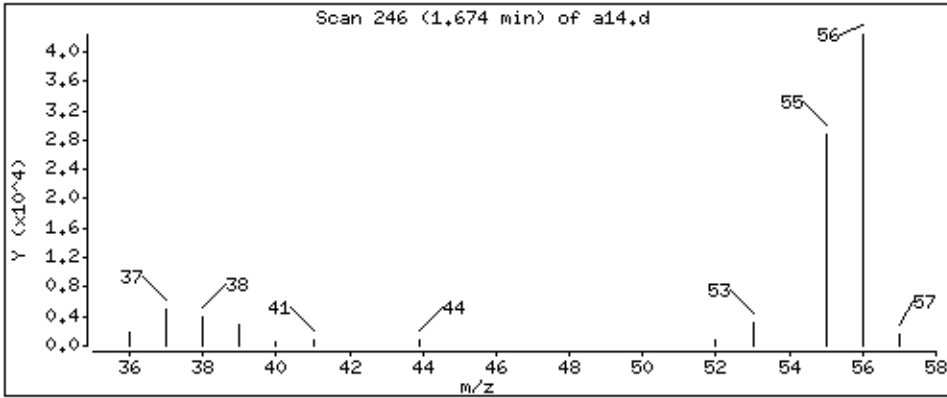
Column phase: DB-624

Column diameter: 0,18

9 Acrolein

Concentration: 1300 ppb

Review Code:



Date : 03-JUL-2014 17:27

Client ID: THW-6(2-4)MSD

Instrument: 50mv3a.i

Sample Info: 1122067,71089;5

Operator: jlz

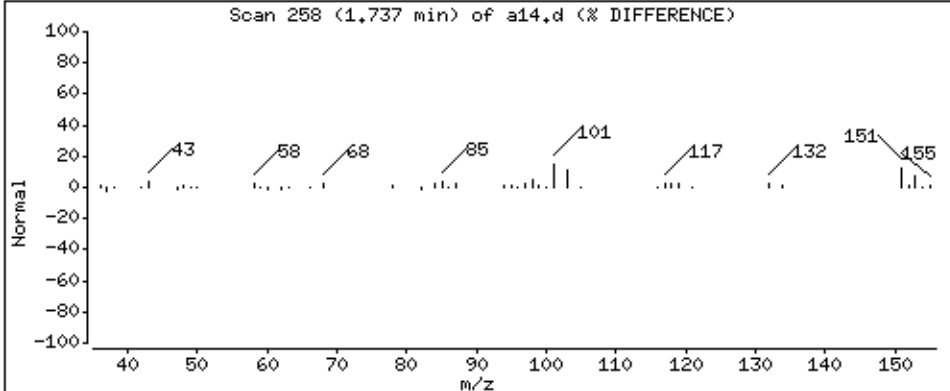
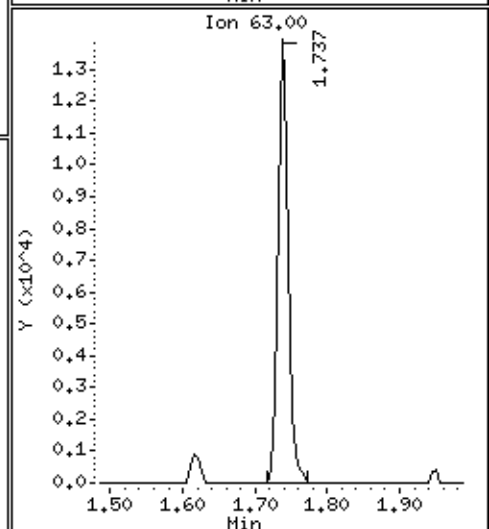
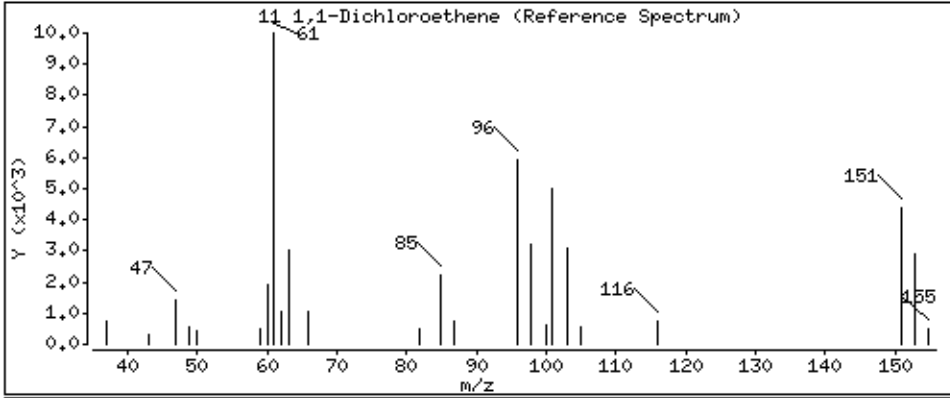
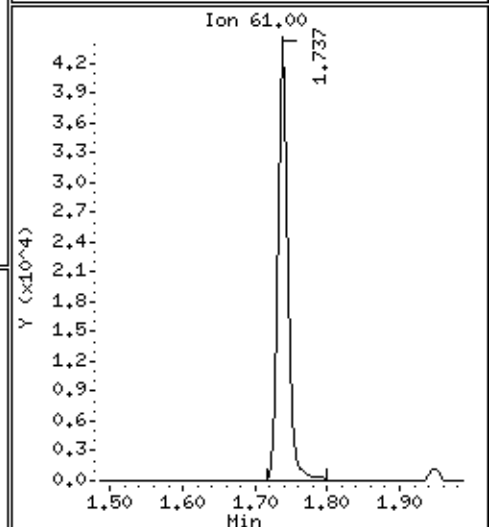
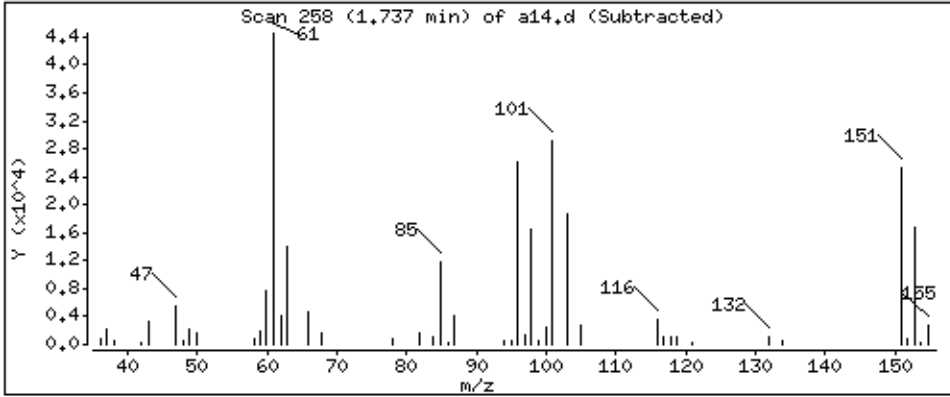
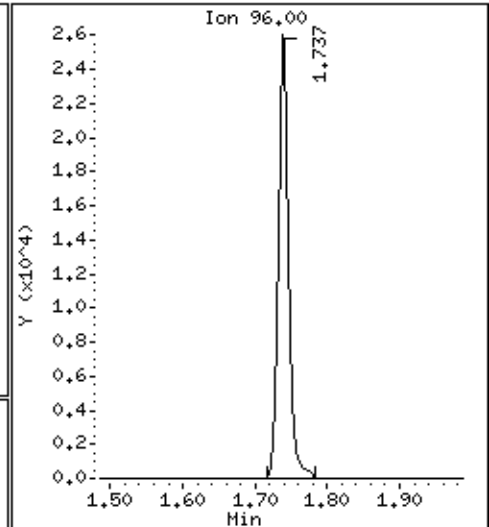
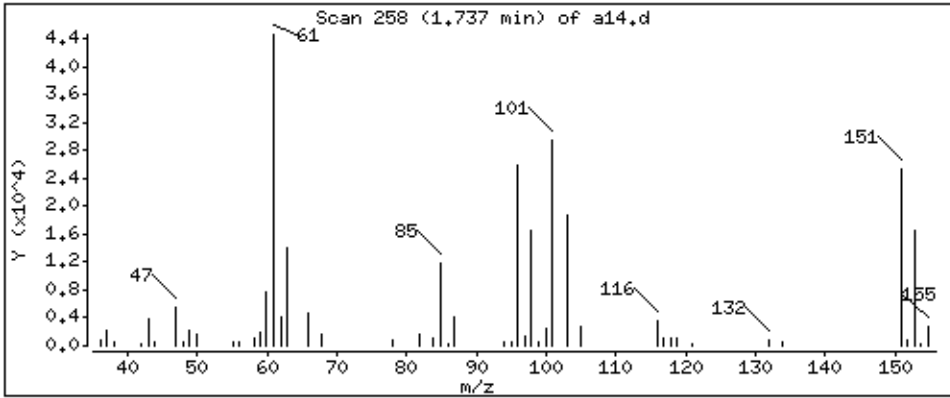
Column phase: DB-624

Column diameter: 0,18

11 1,1-Dichloroethene

Concentration: 52.2 ppb

Review Code:



Date : 03-JUL-2014 17:27

Client ID: THW-6(2-4)MSD

Instrument: 50mv3a.i

Sample Info: 1122067,71089;5

Operator: jlz

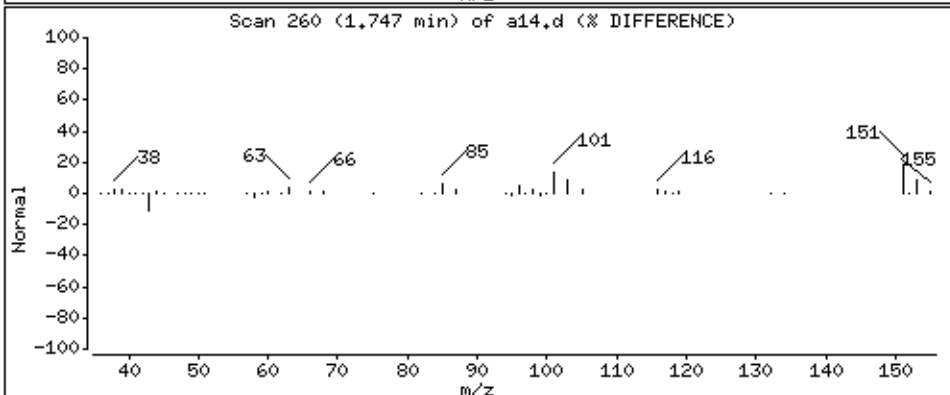
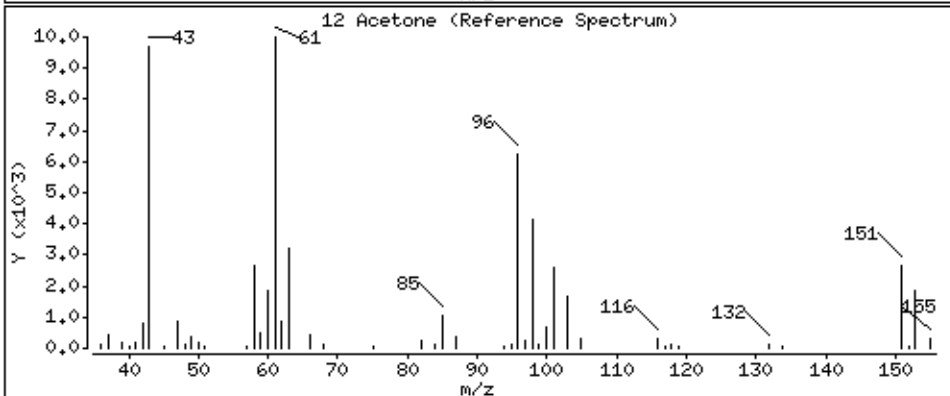
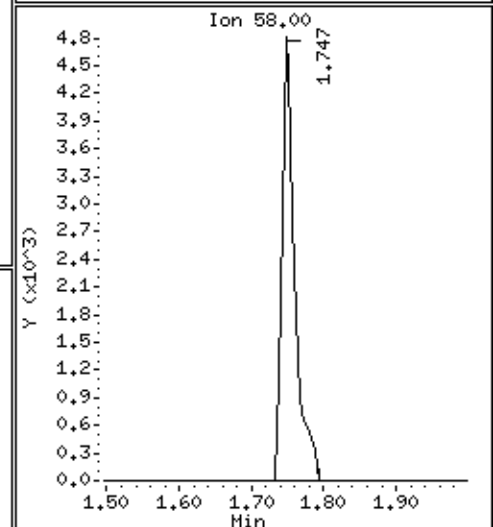
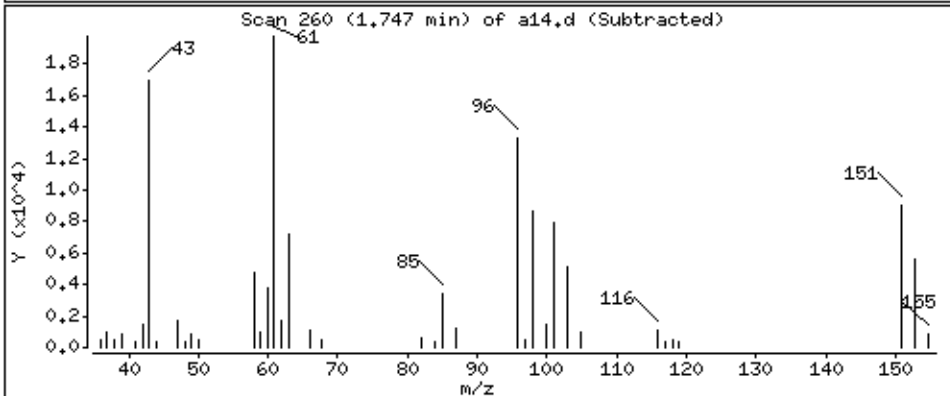
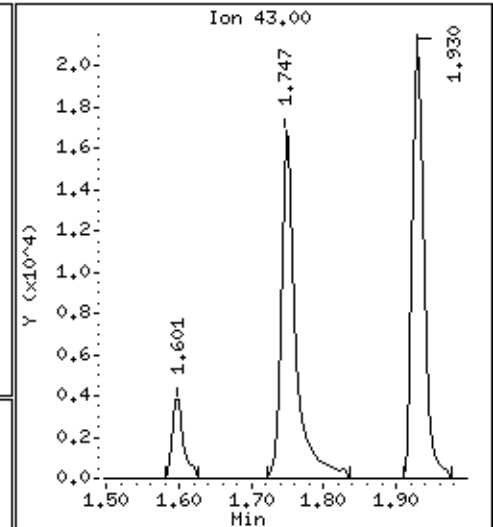
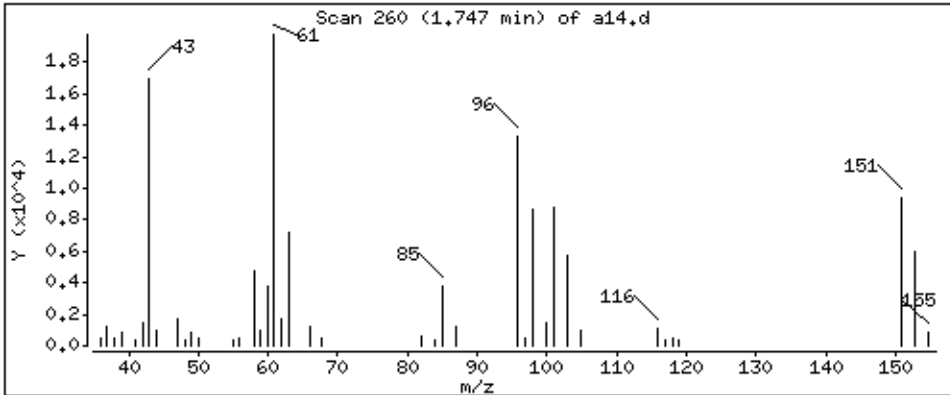
Column phase: DB-624

Column diameter: 0,18

12 Acetone

Concentration: 287 ppb

Review Code:



Date : 03-JUL-2014 17:27

Client ID: THW-6(2-4)MSD

Instrument: 50mv3a.i

Sample Info: 1122067,71089;5

Operator: jlz

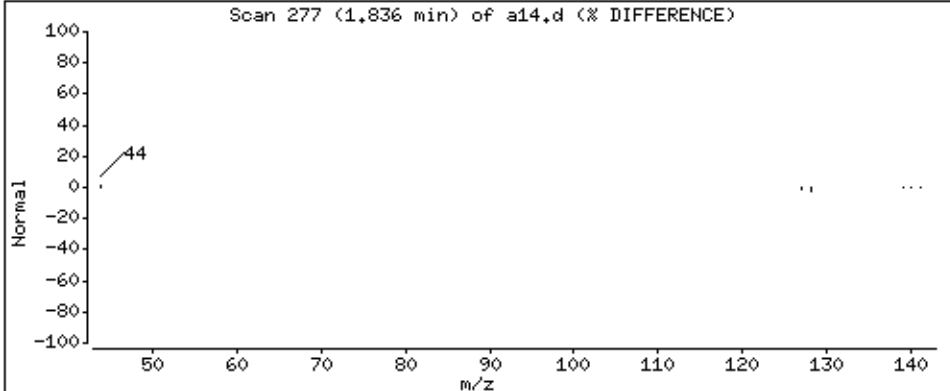
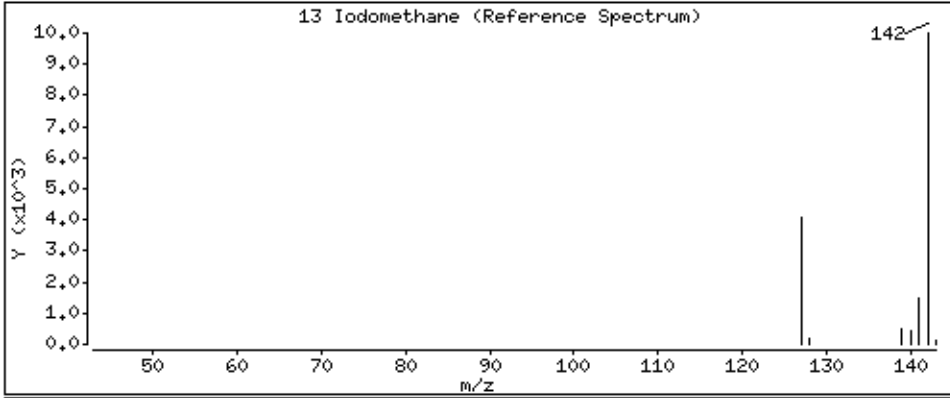
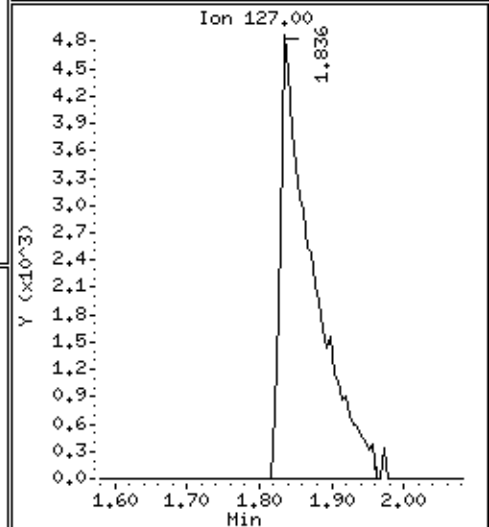
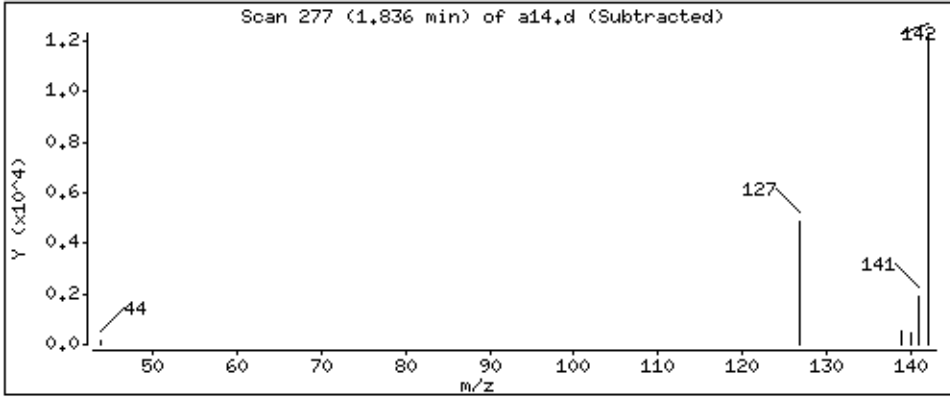
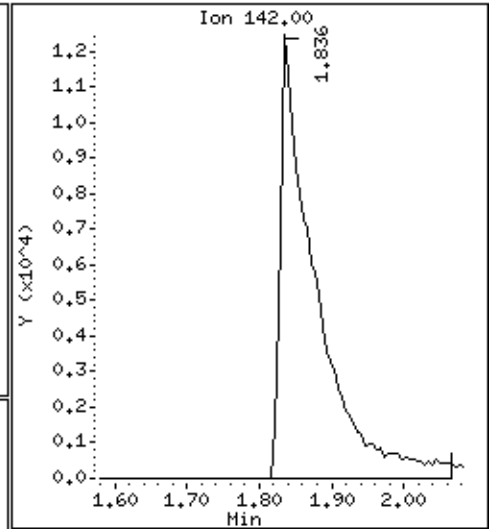
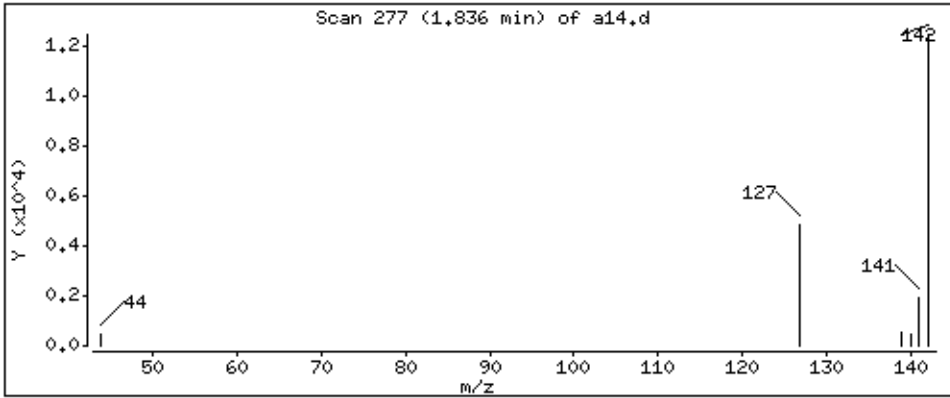
Column phase: DB-624

Column diameter: 0,18

13 Iodomethane

Concentration: 117 ppb

Review Code:



Date : 03-JUL-2014 17:27

Client ID: THW-6(2-4)MSD

Instrument: 50mv3a.i

Sample Info: 1122067,71089;5

Operator: jlz

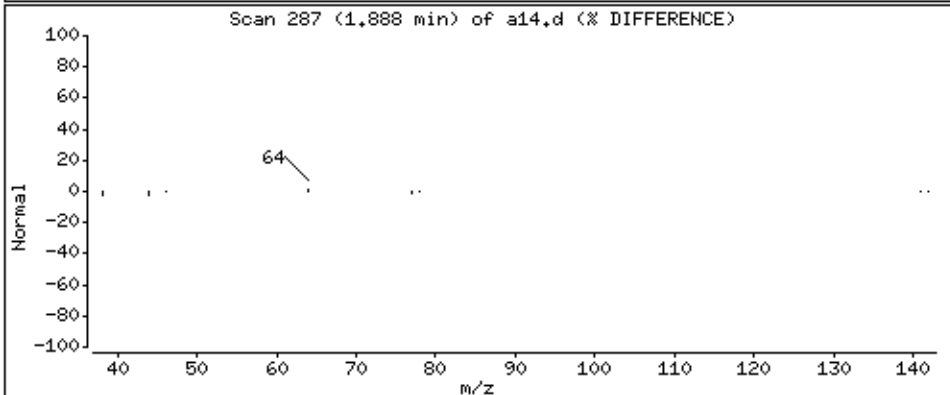
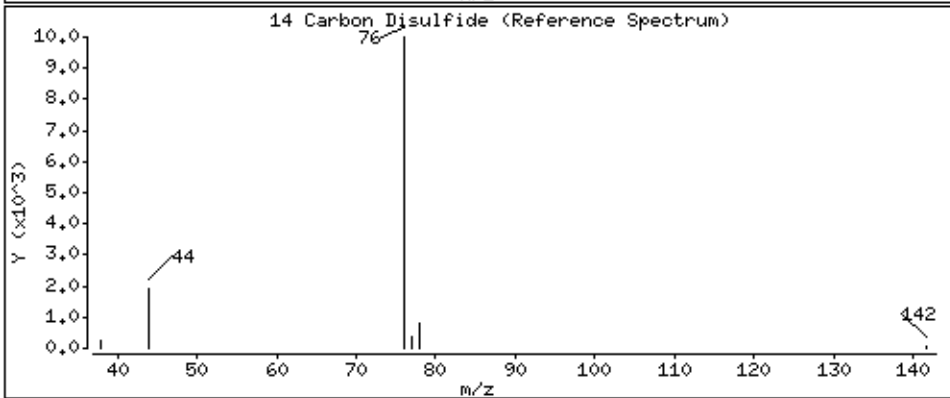
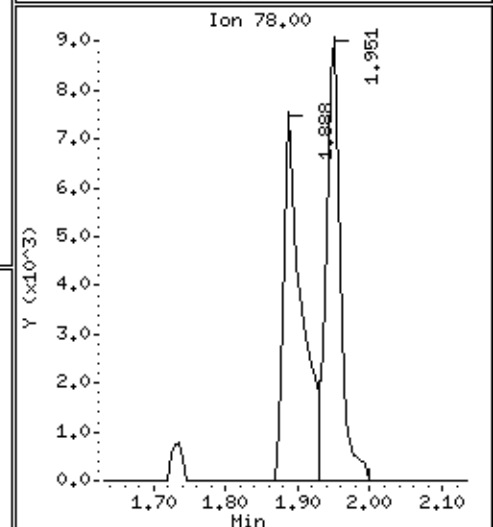
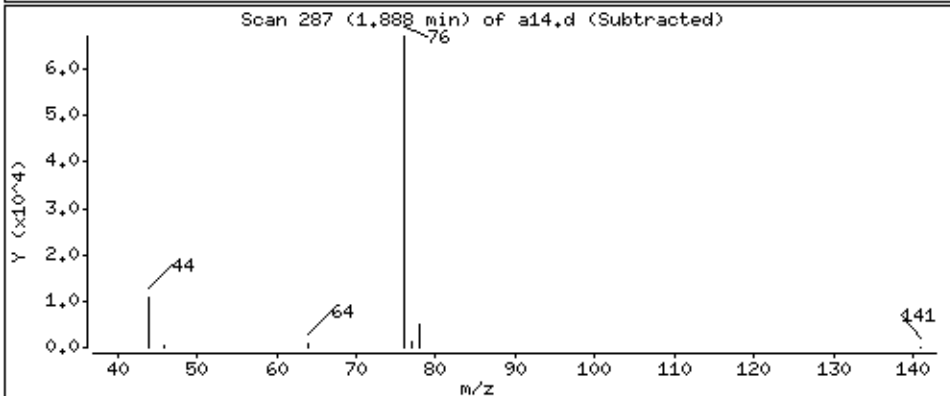
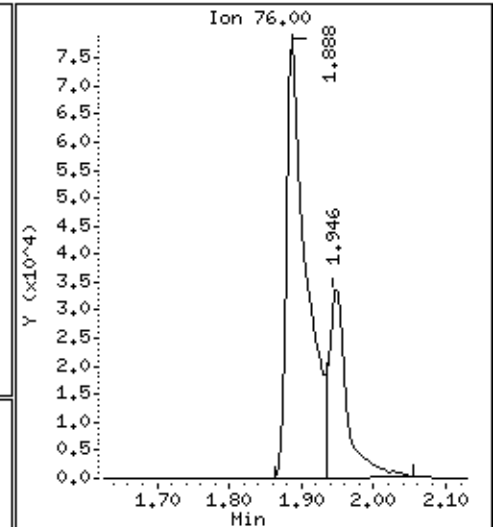
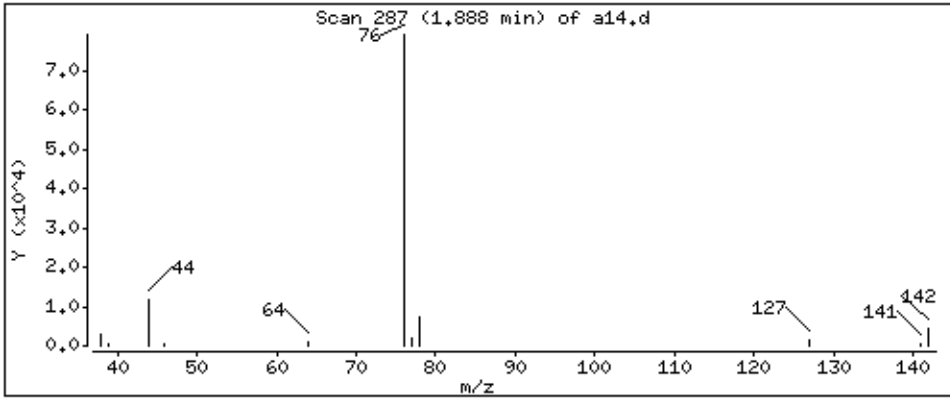
Column phase: DB-624

Column diameter: 0,18

14 Carbon Disulfide

Concentration: 97.9 ppb

Review Code:



Date : 03-JUL-2014 17:27

Client ID: THW-6(2-4)MSD

Instrument: 50mv3a.i

Sample Info: 1122067,71089;5

Operator: jlz

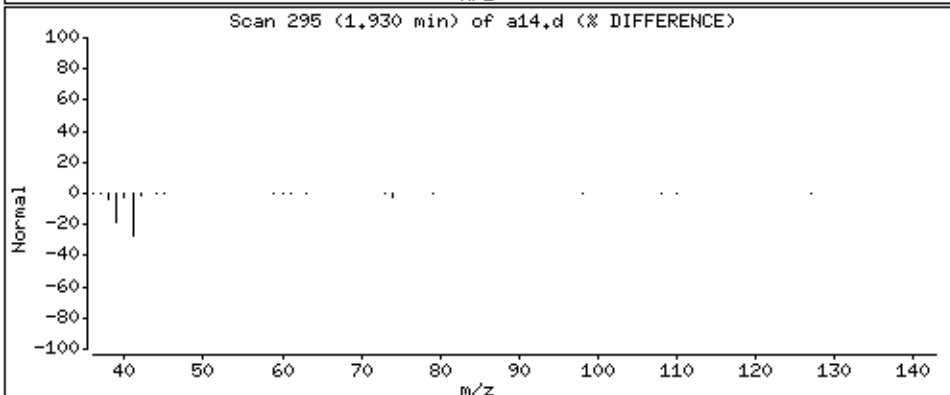
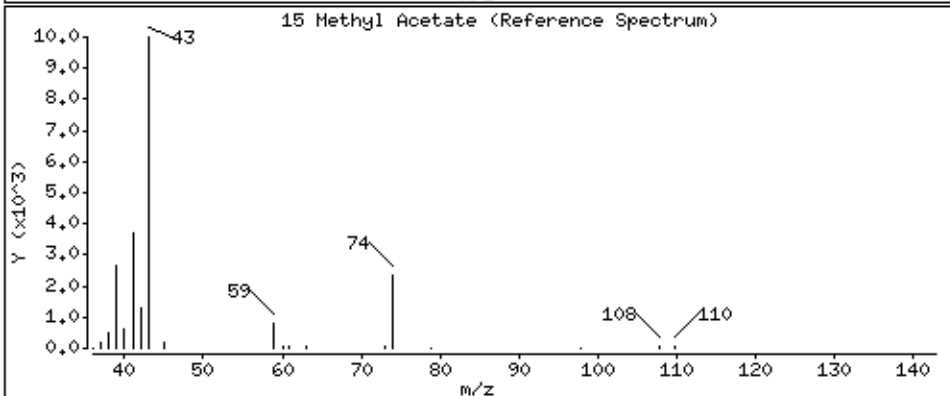
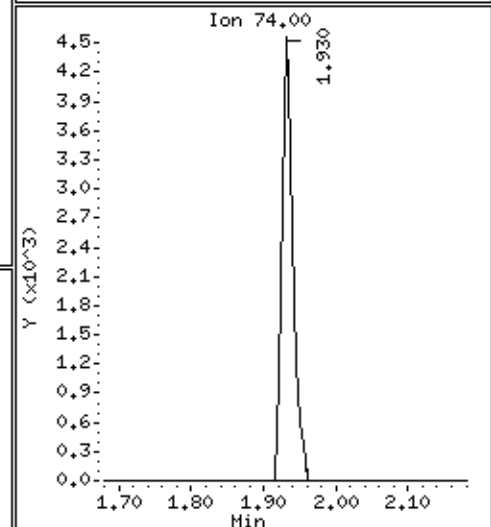
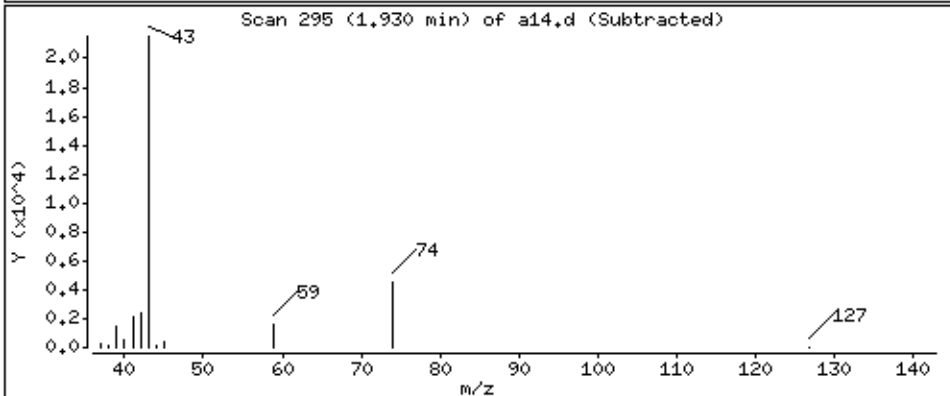
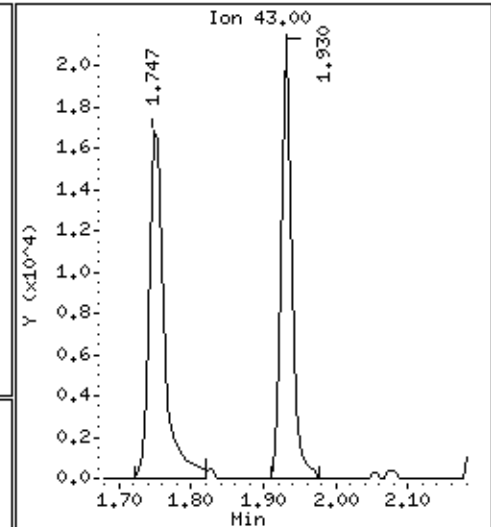
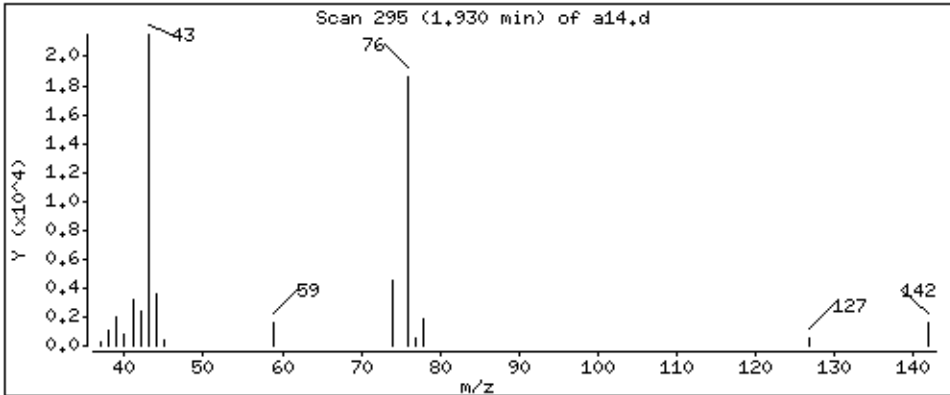
Column phase: DB-624

Column diameter: 0,18

15 Methyl Acetate

Concentration: 107 ppb

Review Code:



Date : 03-JUL-2014 17:27

Client ID: THW-6(2-4)MSD

Instrument: 50mv3a.i

Sample Info: 1122067,71089;5

Operator: jlz

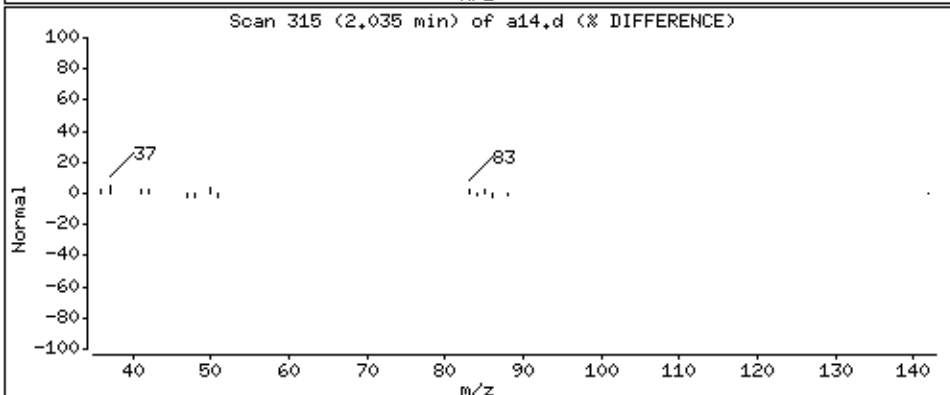
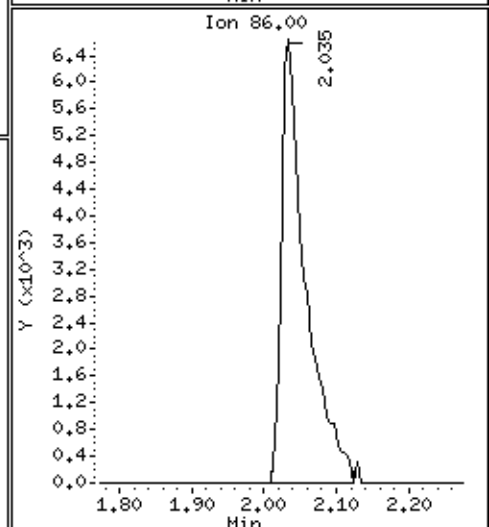
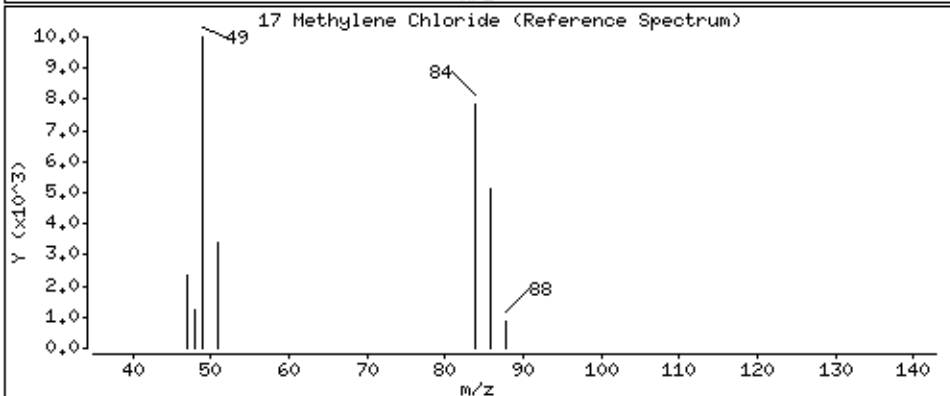
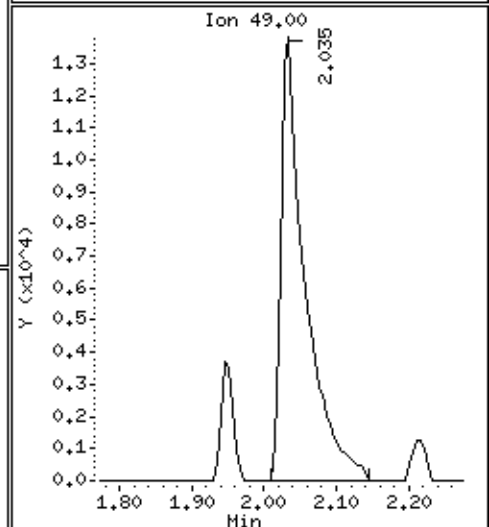
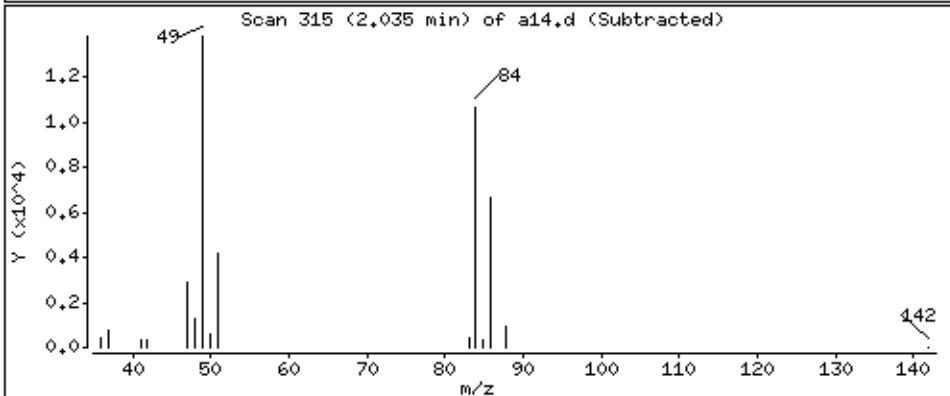
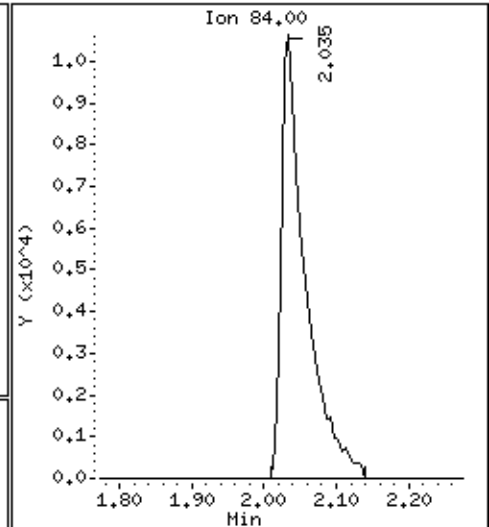
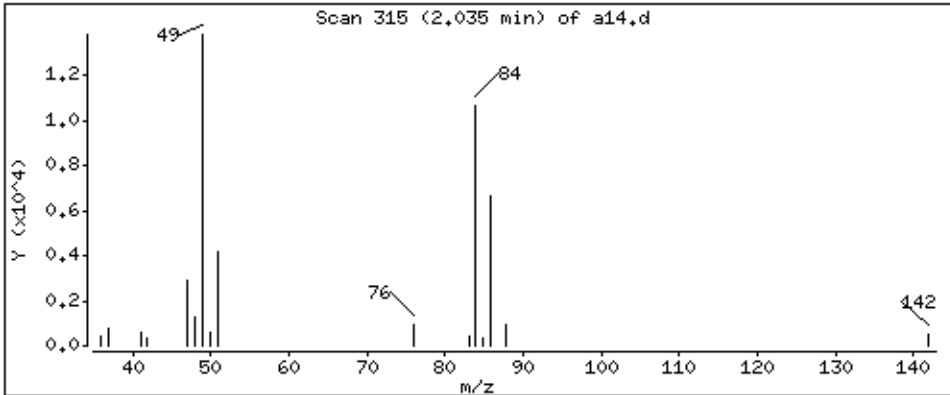
Column phase: DB-624

Column diameter: 0,18

17 Methylene Chloride

Concentration: 33,0 ppb

Review Code:



Date : 03-JUL-2014 17:27

Client ID: THW-6(2-4)MSD

Instrument: 50mw3a.i

Sample Info: 1122067,71089;5

Operator: jlz

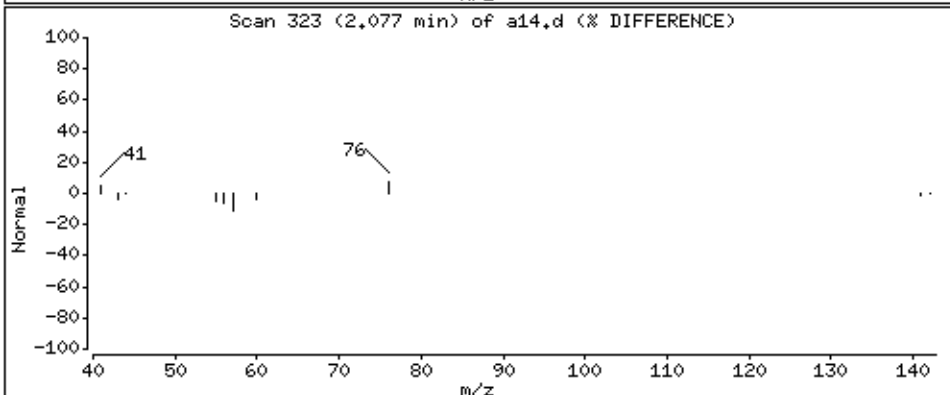
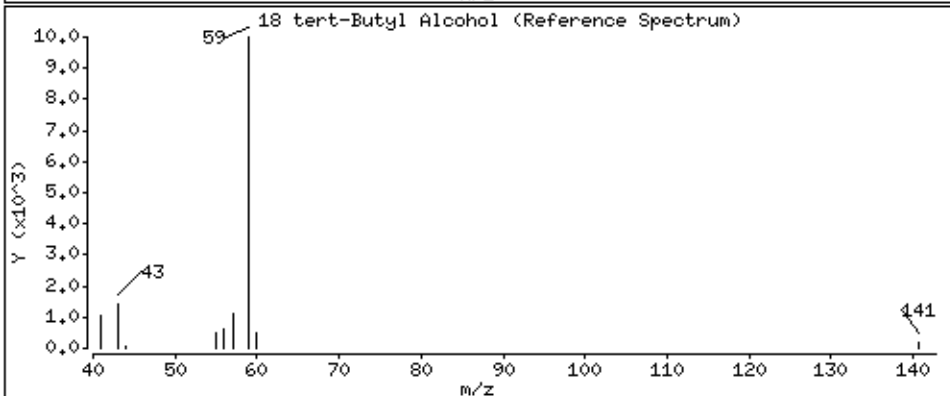
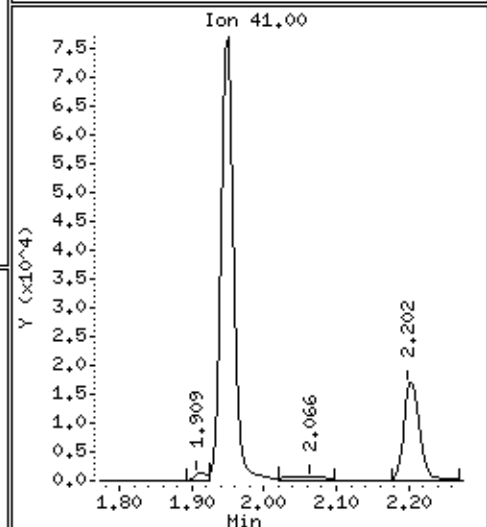
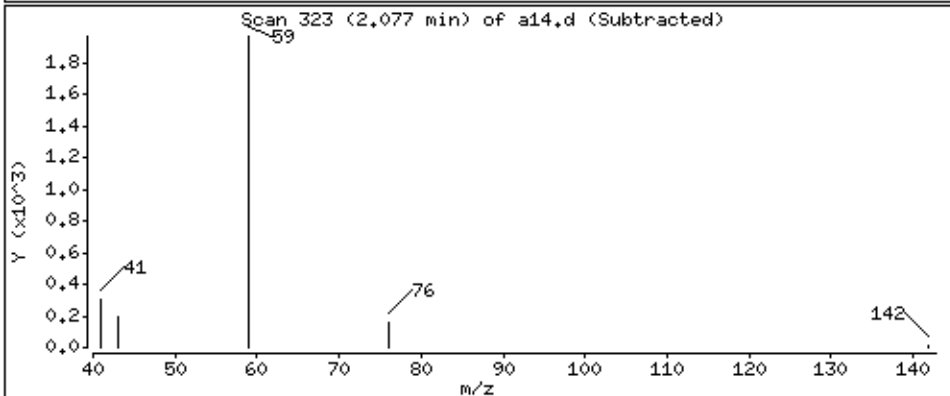
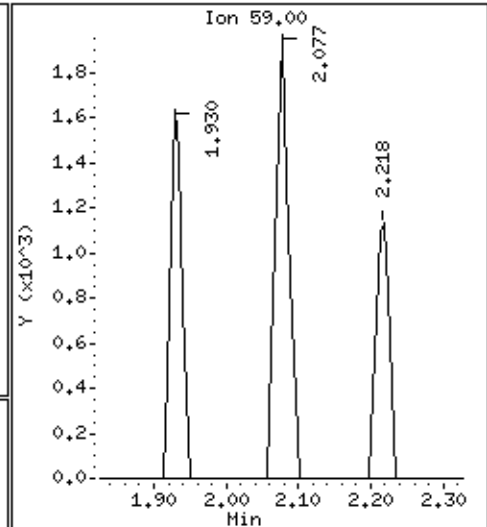
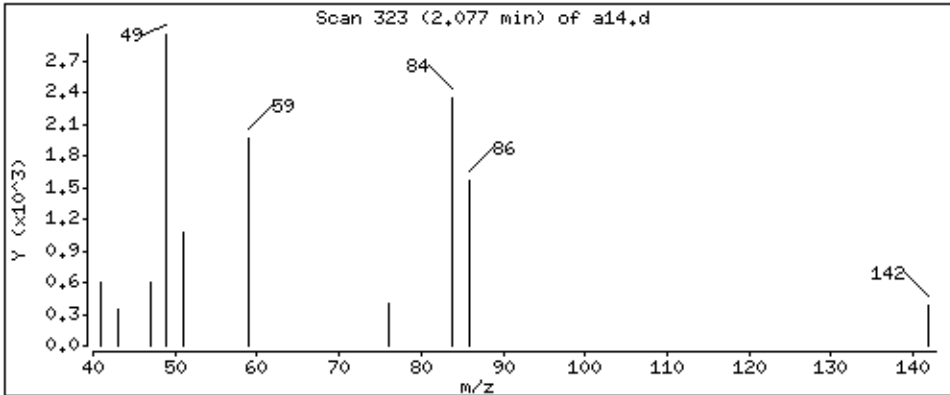
Column phase: DB-624

Column diameter: 0,18

18 tert-Butyl Alcohol

Concentration: 124 ppb

Review Code:



Date : 03-JUL-2014 17:27

Client ID: THW-6(2-4)MSD

Instrument: 50mv3a.i

Sample Info: 1122067,71089;5

Operator: jlz

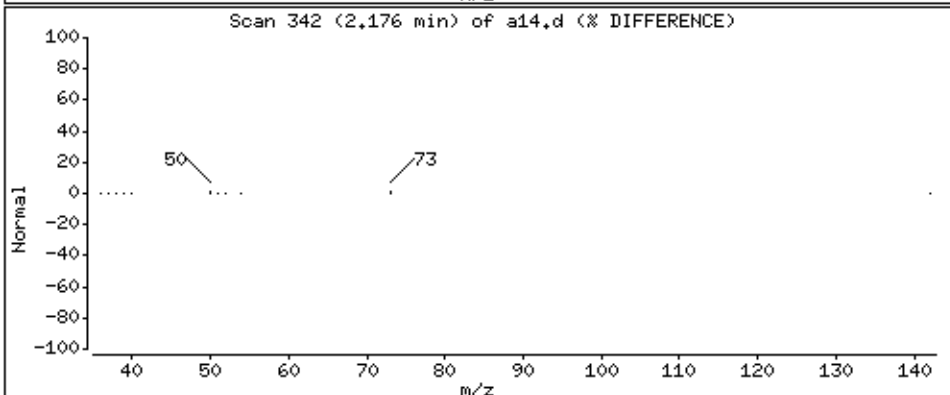
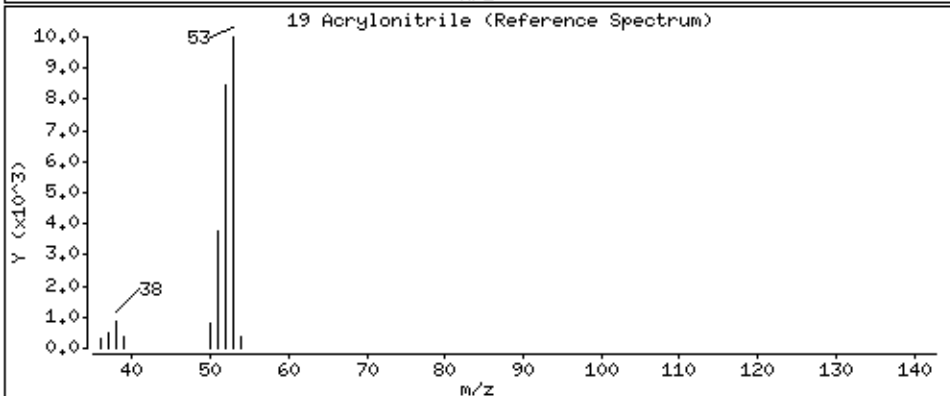
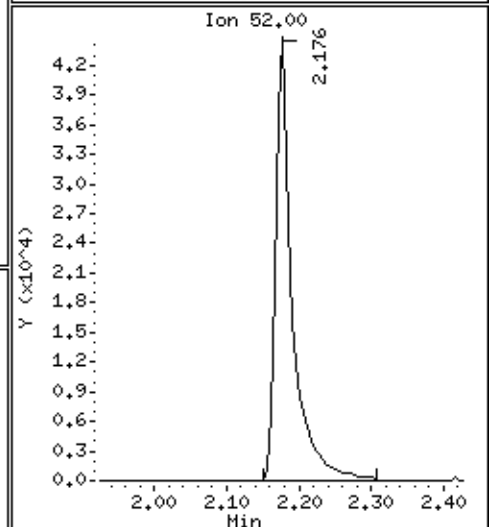
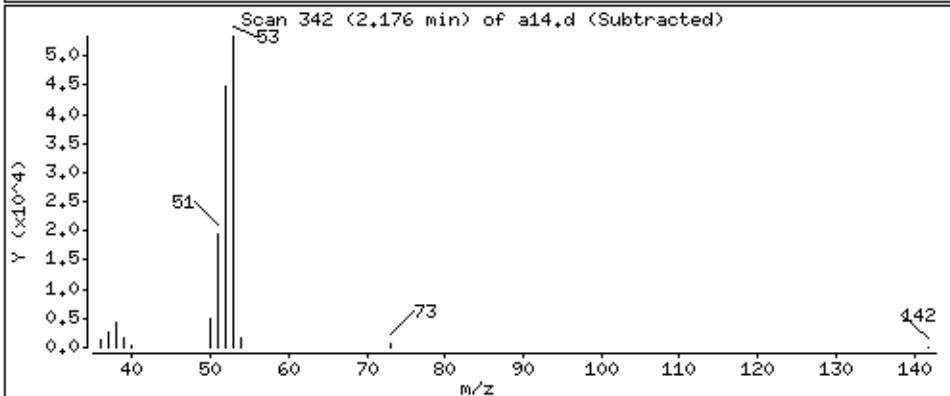
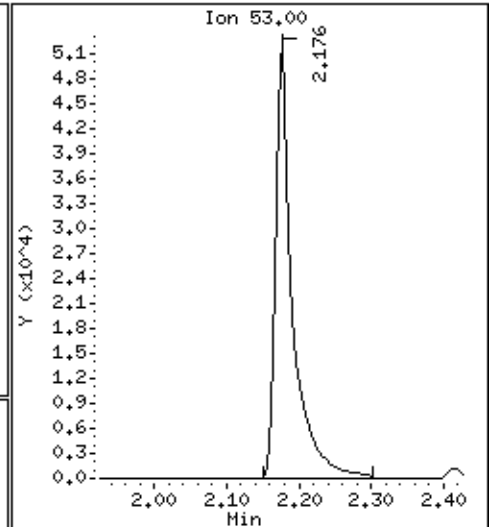
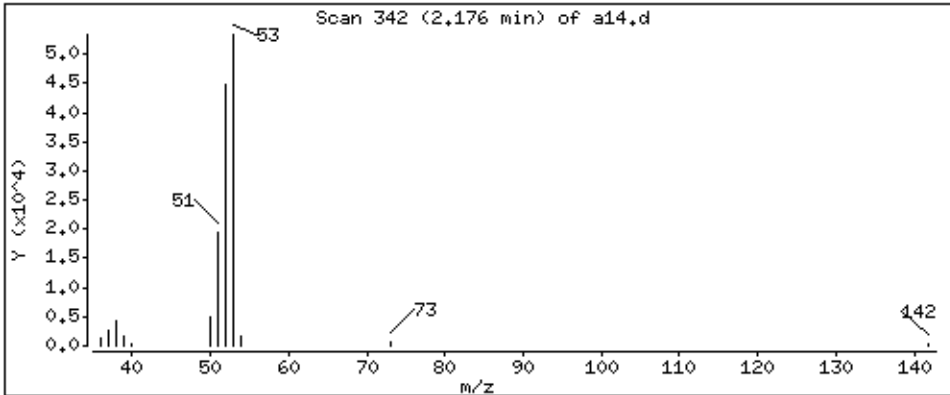
Column phase: DB-624

Column diameter: 0,18

19 Acrylonitrile

Concentration: 828 ppb

Review Code:



Date : 03-JUL-2014 17:27

Client ID: THW-6(2-4)MSD

Instrument: 50mv3a.i

Sample Info: 1122067,71089;5

Operator: jlz

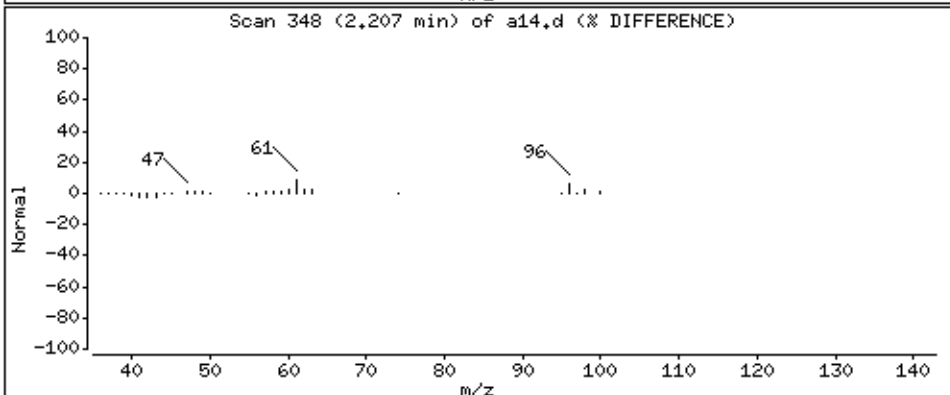
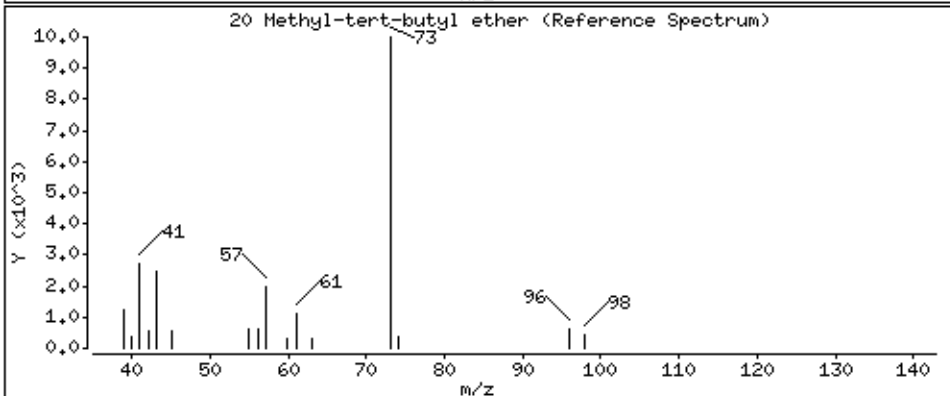
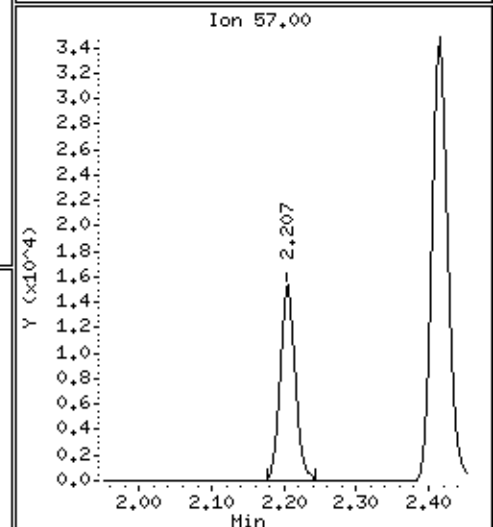
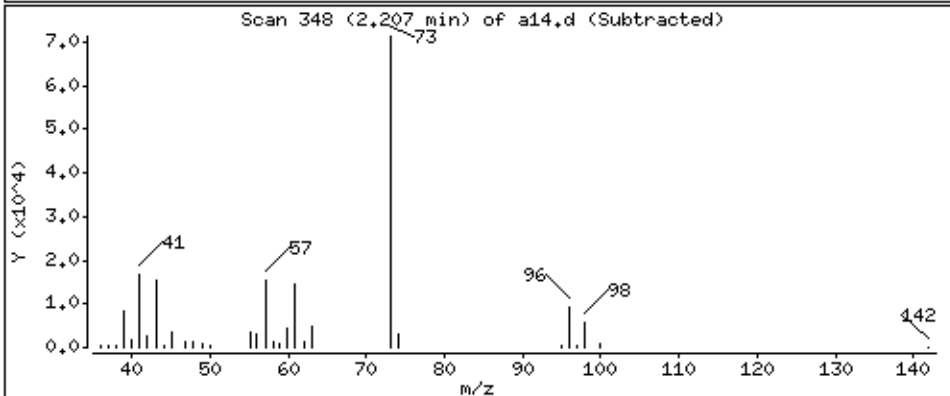
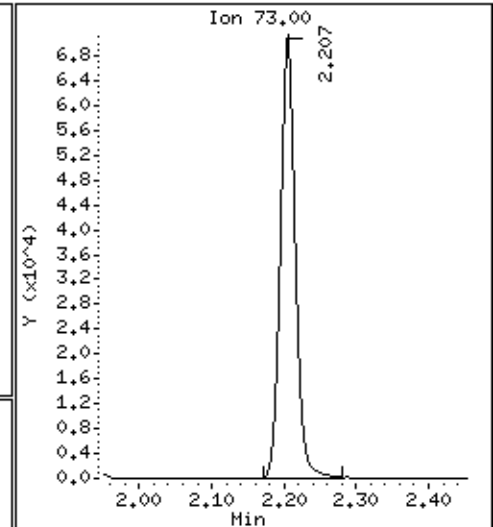
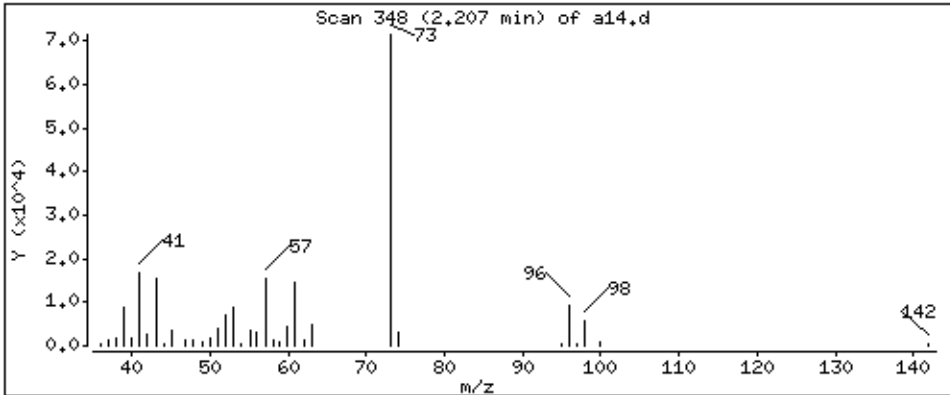
Column phase: DB-624

Column diameter: 0,18

20 Methyl-tert-butyl ether

Concentration: 86,9 ppb

Review Code:



Date : 03-JUL-2014 17:27

Client ID: THW-6(2-4)MSD

Instrument: 50mv3a.i

Sample Info: 1122067,71089;5

Operator: jlz

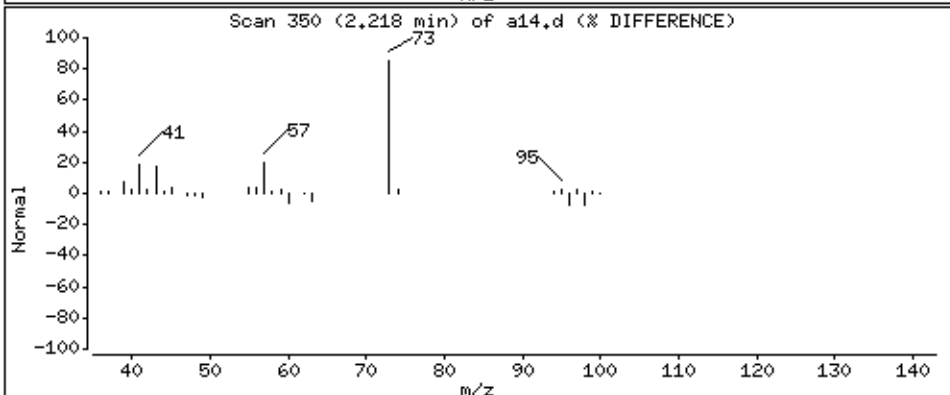
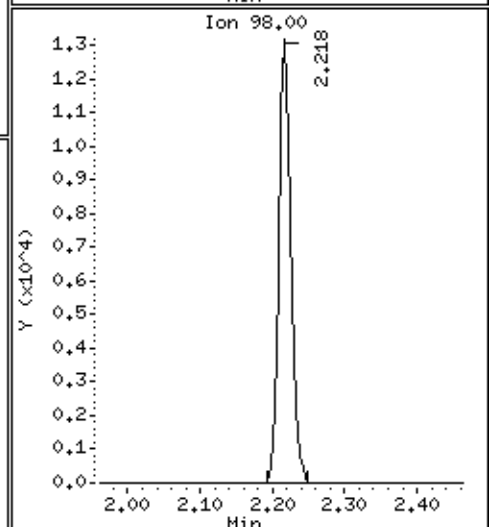
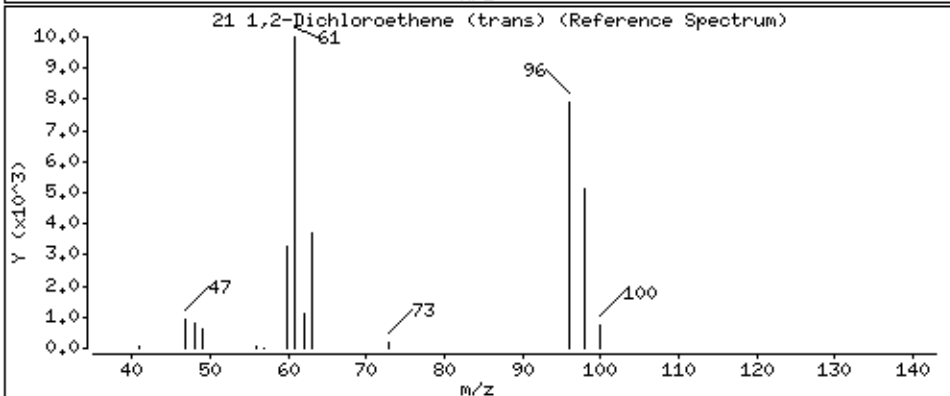
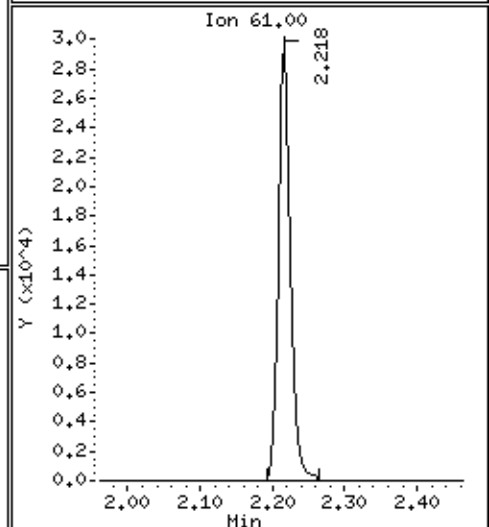
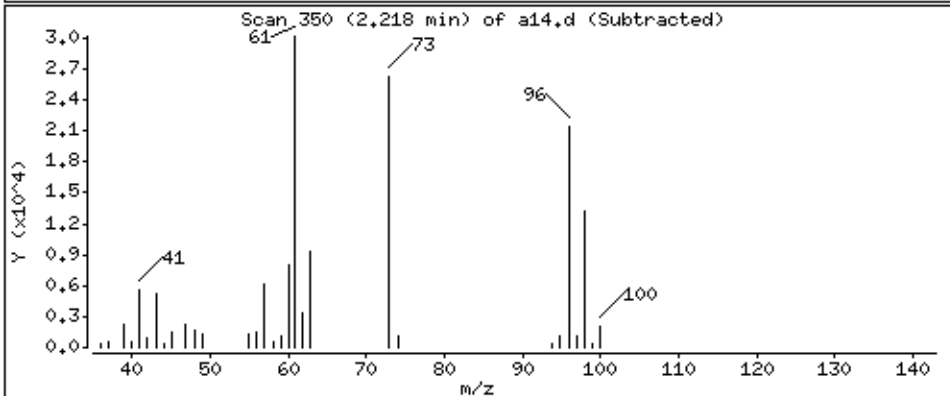
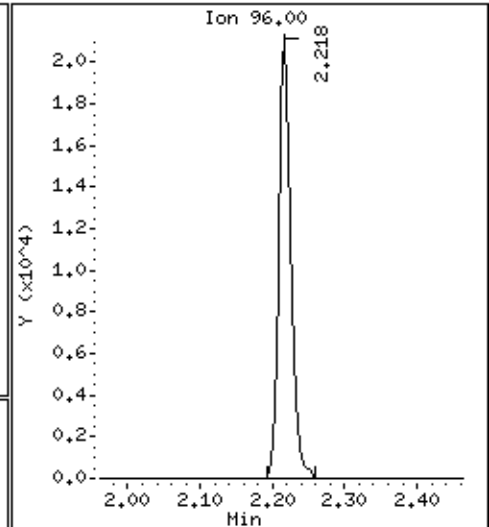
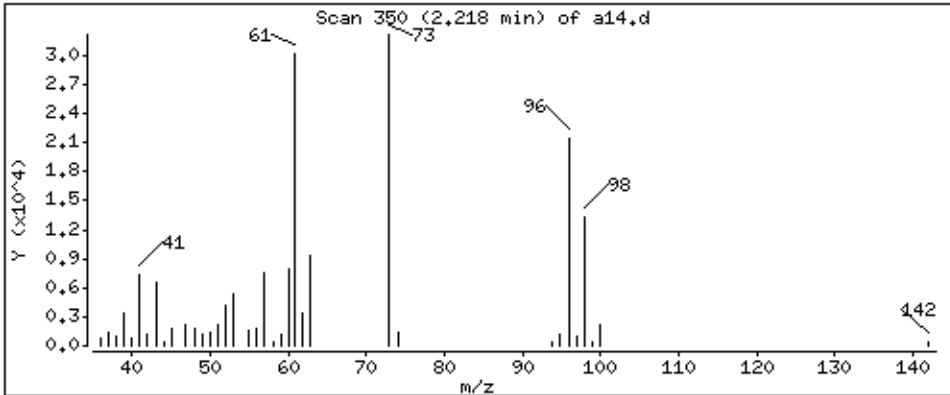
Column phase: DB-624

Column diameter: 0,18

21 1,2-Dichloroethene (trans)

Concentration: 41.0 ppb

Review Code:



Date : 03-JUL-2014 17:27

Client ID: THW-6(2-4)MSD

Instrument: 50mv3a.i

Sample Info: 1122067,71089;5

Operator: jlz

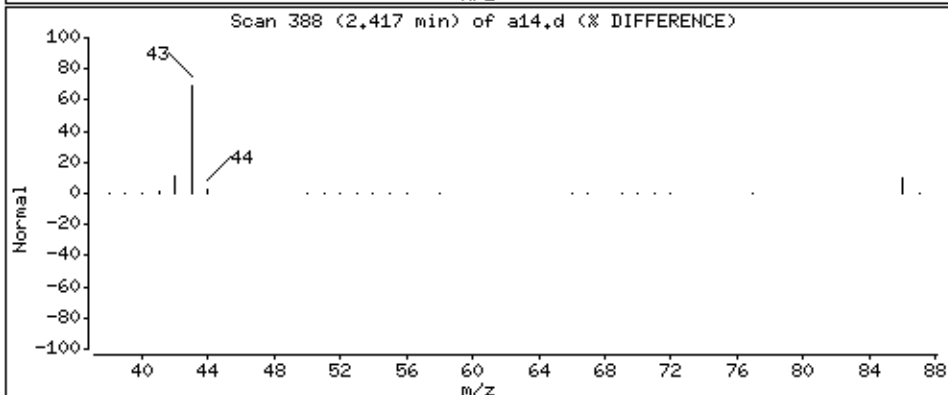
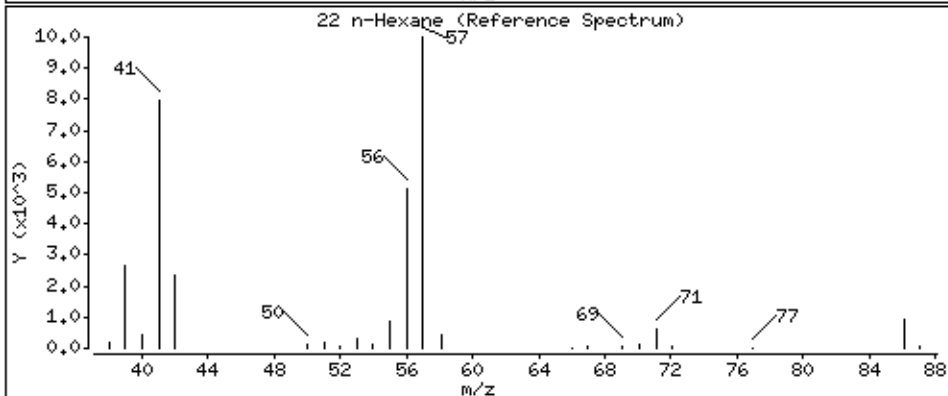
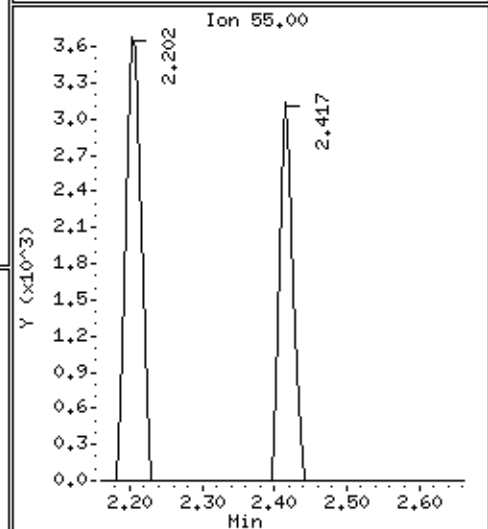
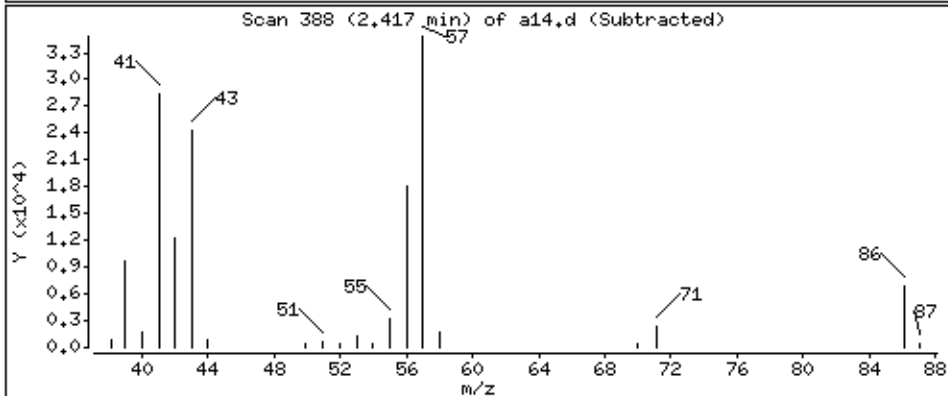
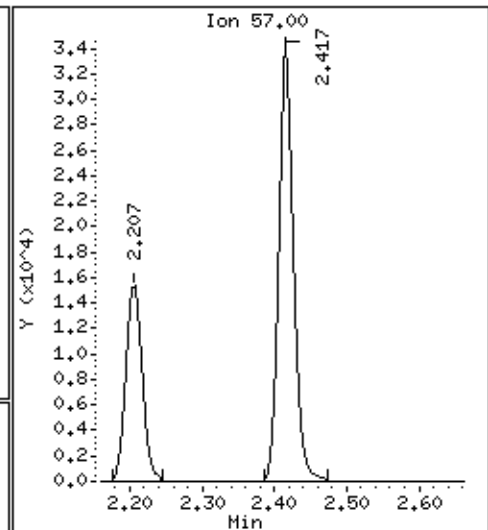
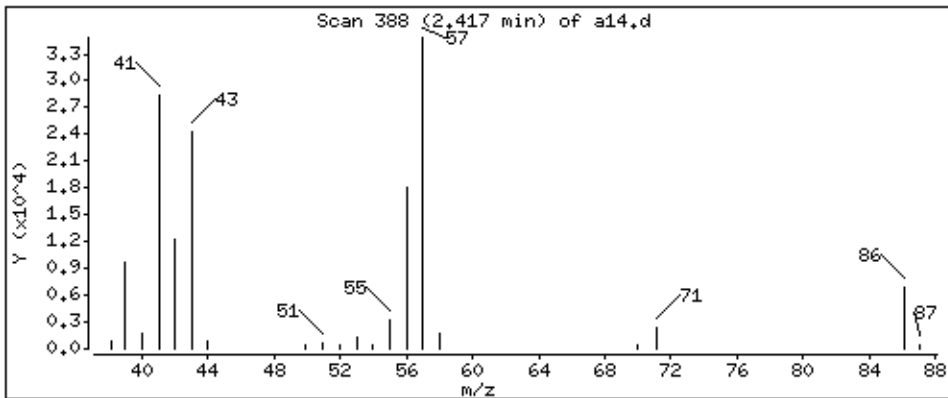
Column phase: DB-624

Column diameter: 0,18

22 n-Hexane

Concentration: 47.7 ppb

Review Code:



Date : 03-JUL-2014 17:27

Client ID: THW-6(2-4)MSD

Instrument: 50mv3a.i

Sample Info: 1122067,71089;5

Operator: jlz

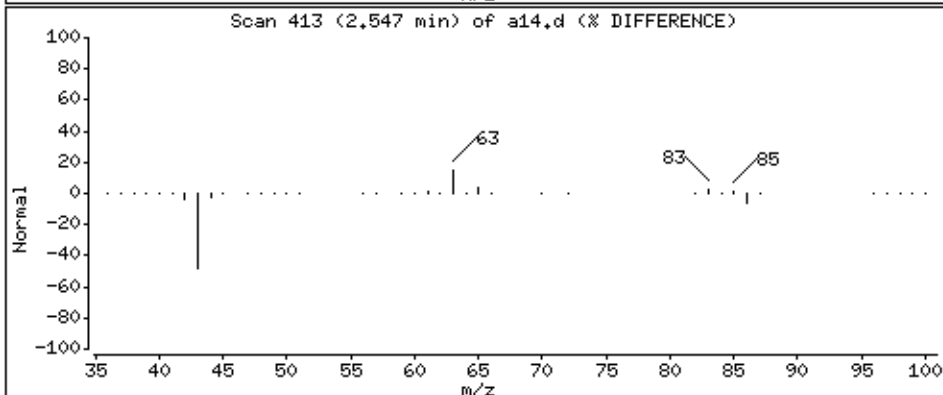
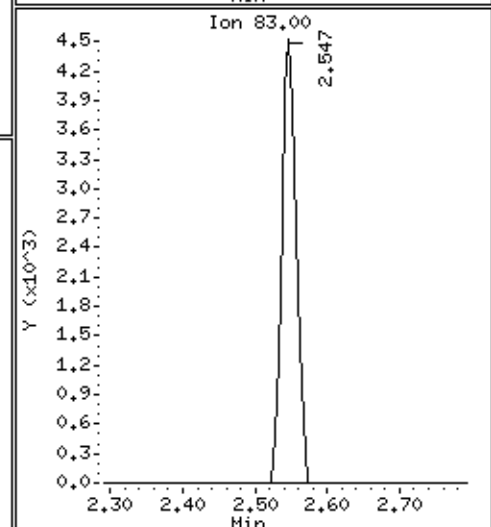
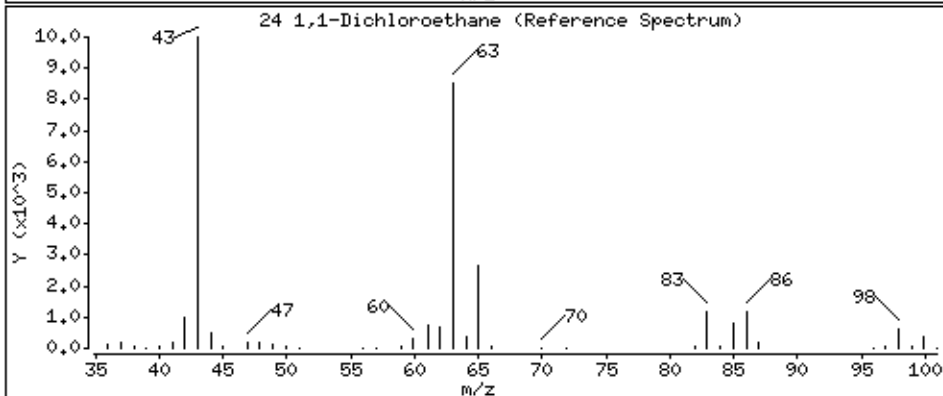
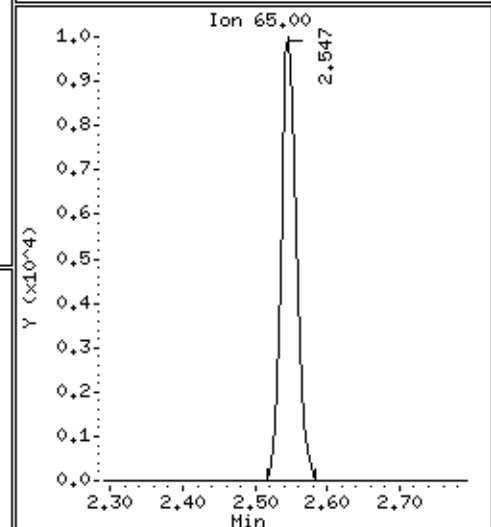
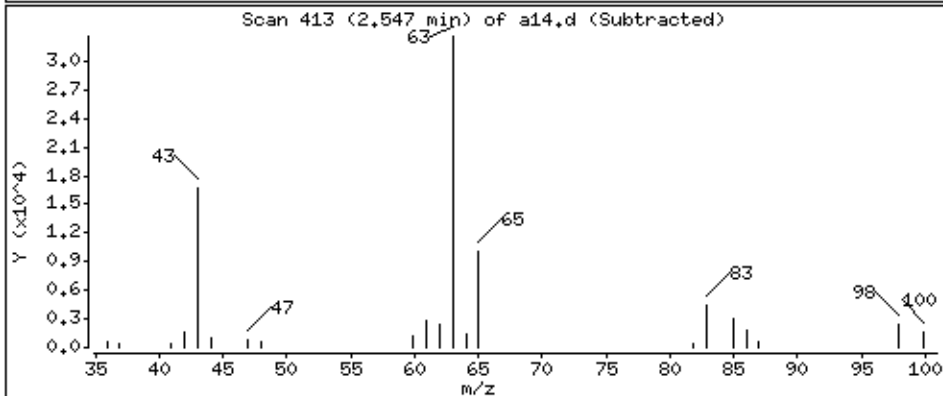
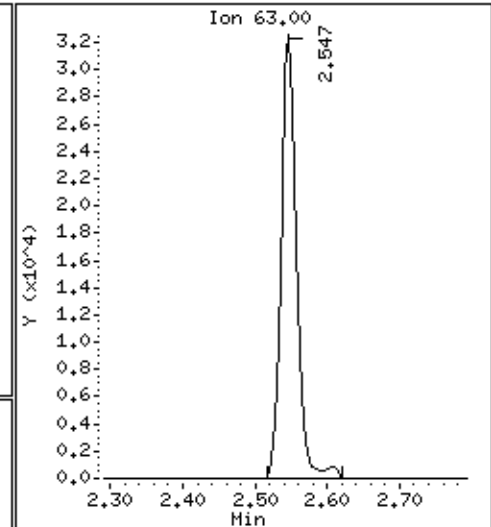
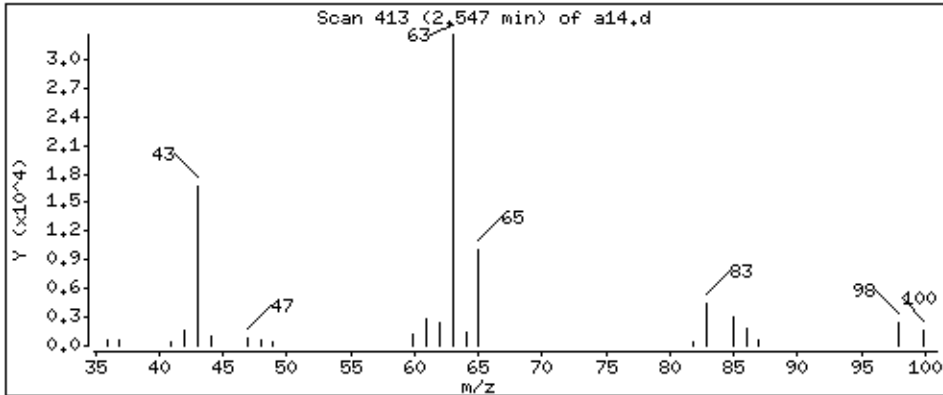
Column phase: DB-624

Column diameter: 0,18

24 1,1-Dichloroethane

Concentration: 46,8 ppb

Review Code:



Date : 03-JUL-2014 17:27

Client ID: THW-6(2-4)MSD

Instrument: 50mv3a.i

Sample Info: 1122067,71089;5

Operator: jlz

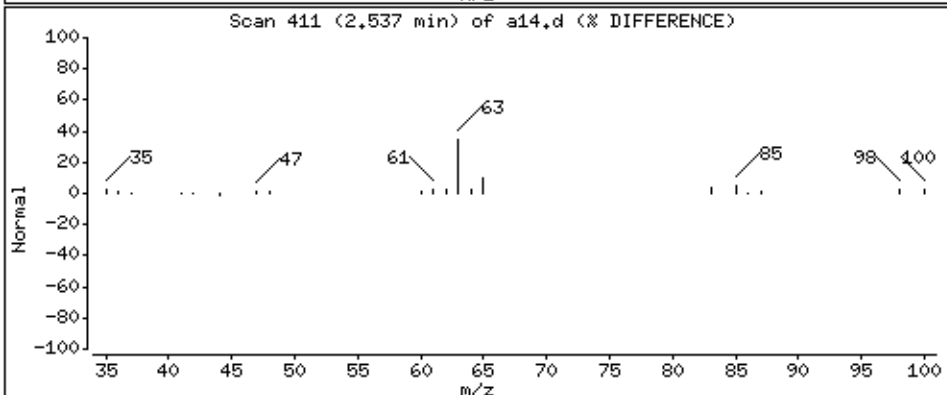
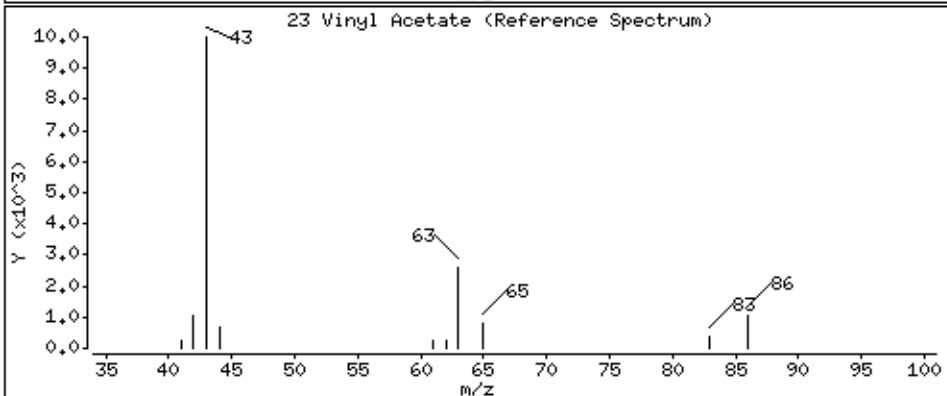
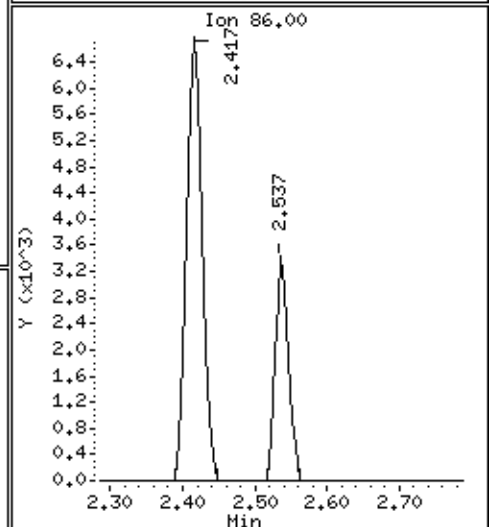
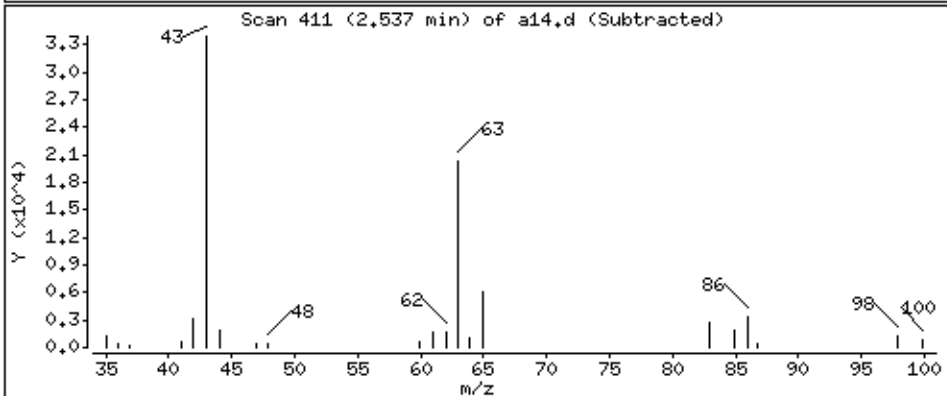
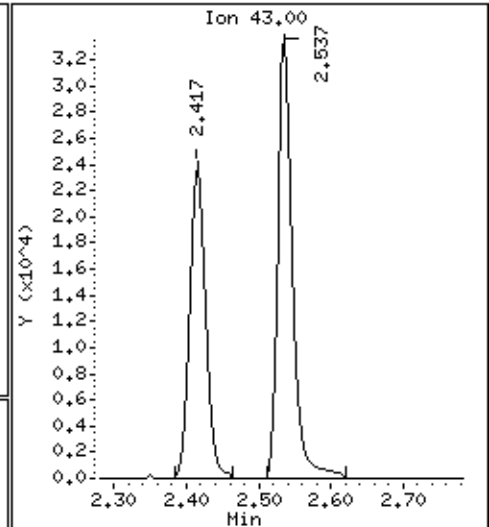
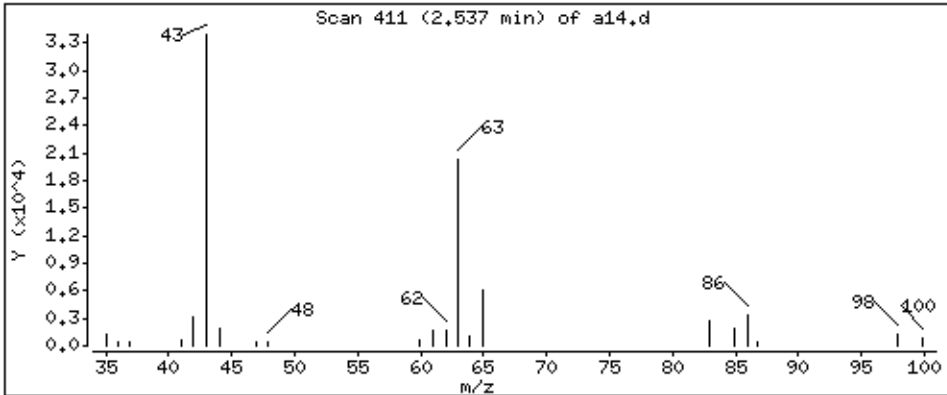
Column phase: DB-624

Column diameter: 0,18

23 Vinyl Acetate

Concentration: 81.6 ppb

Review Code:



Date : 03-JUL-2014 17:27

Client ID: THW-6(2-4)MSD

Instrument: 50mv3a.i

Sample Info: 1122067,71089;5

Operator: jlz

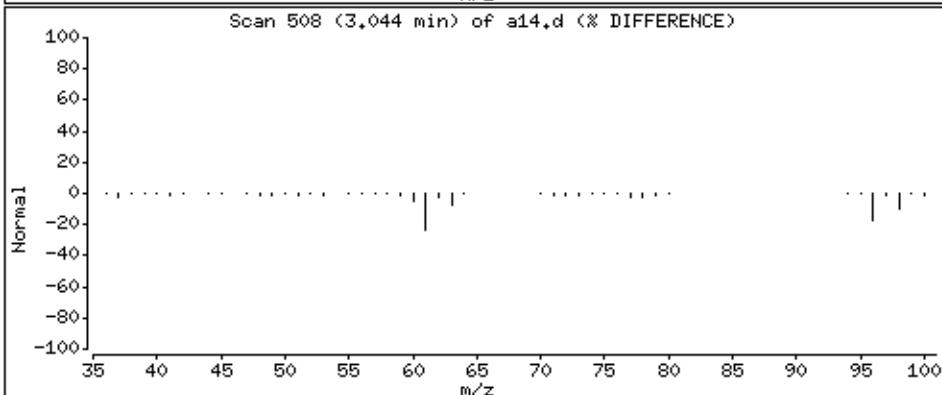
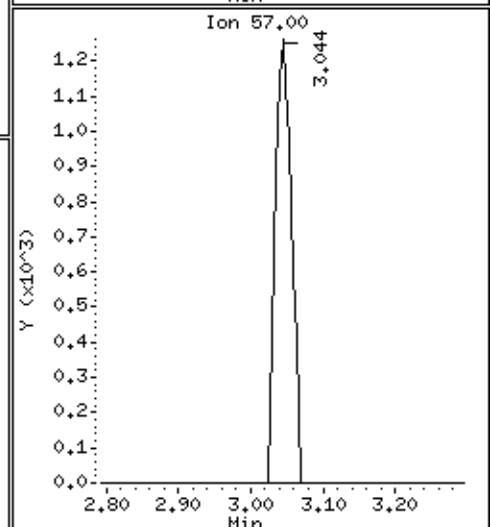
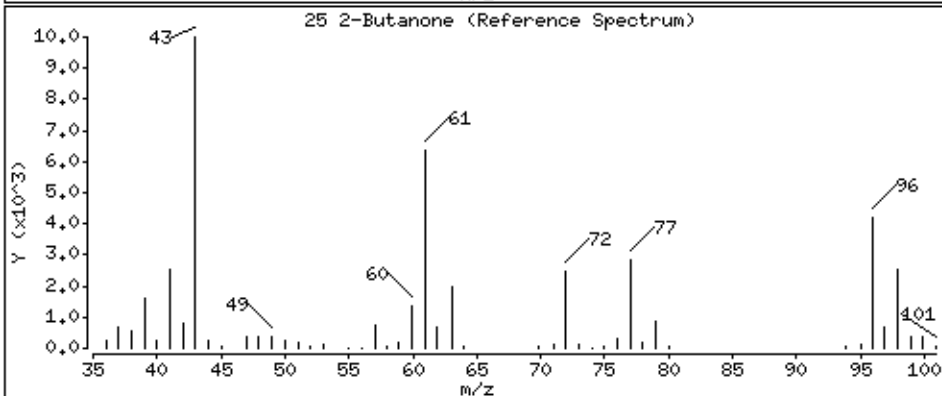
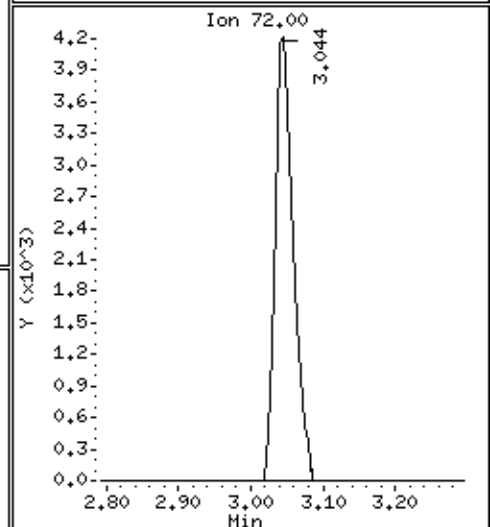
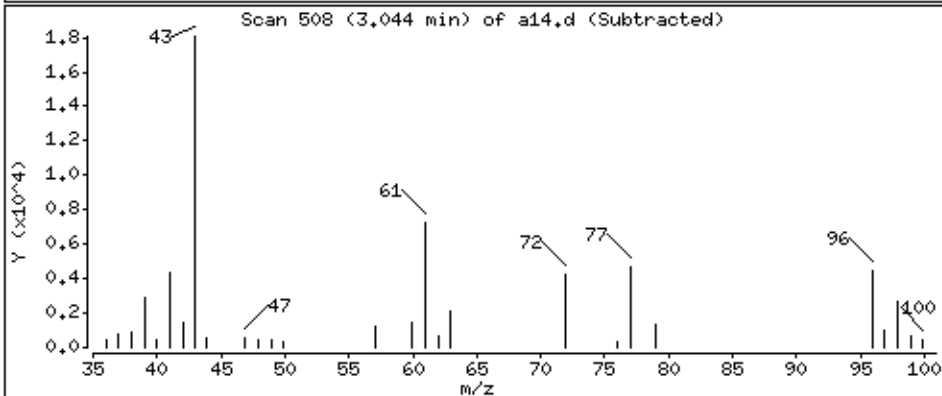
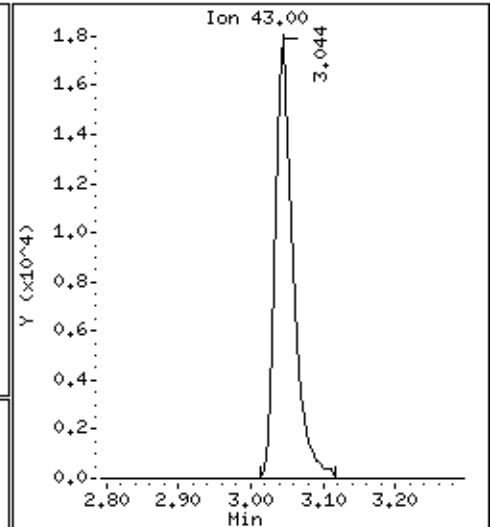
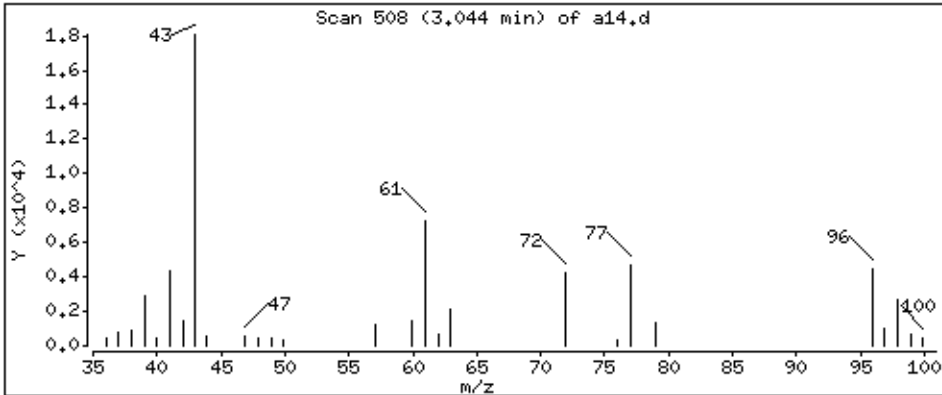
Column phase: DB-624

Column diameter: 0,18

25 2-Butanone

Concentration: 228 ppb

Review Code:



Date : 03-JUL-2014 17:27

Client ID: THW-6(2-4)MSD

Instrument: 50mv3a.i

Sample Info: 1122067,71089;5

Operator: jlz

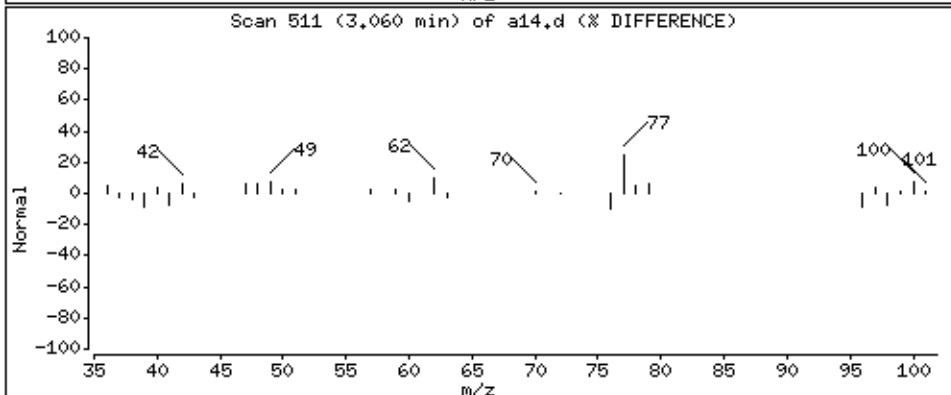
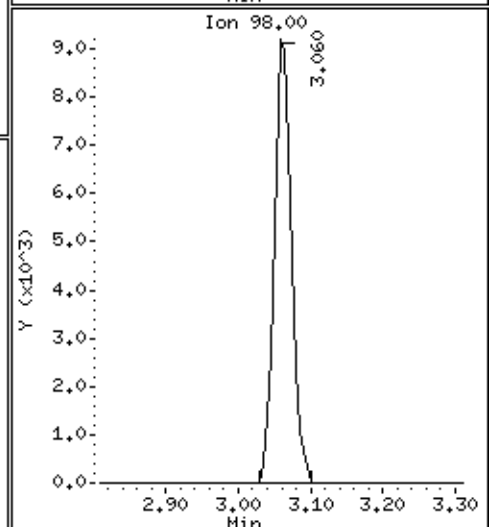
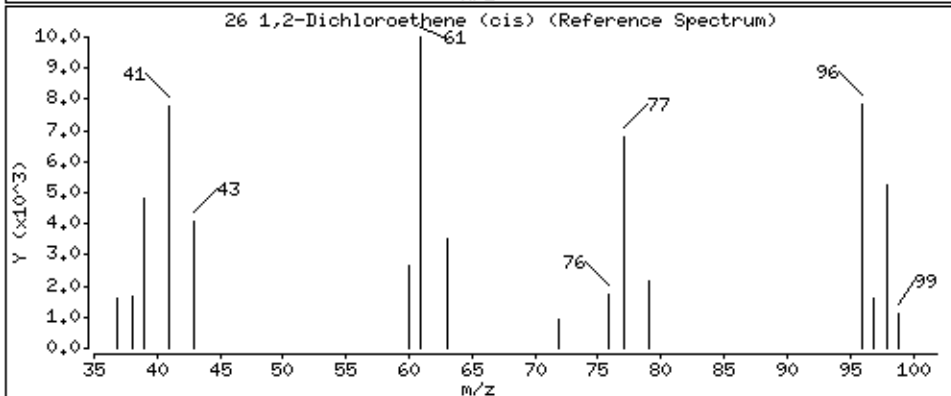
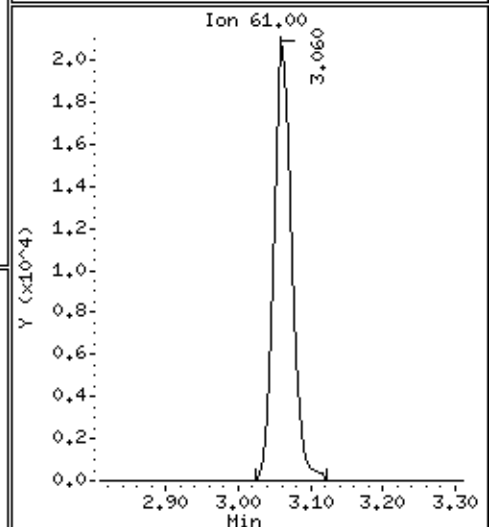
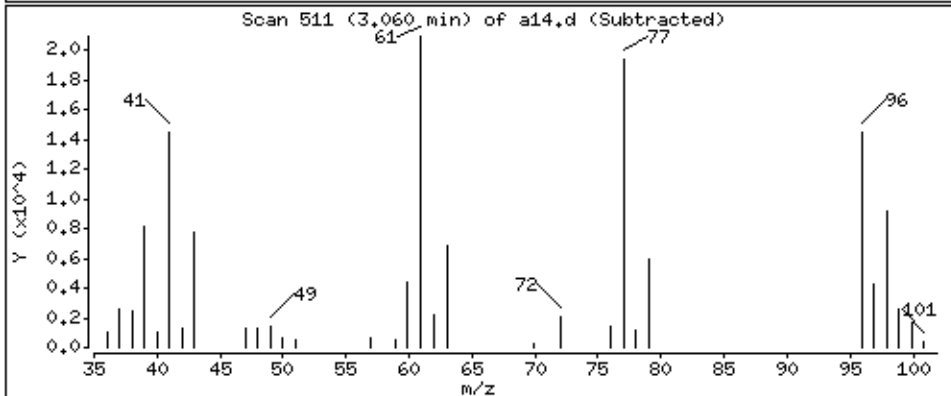
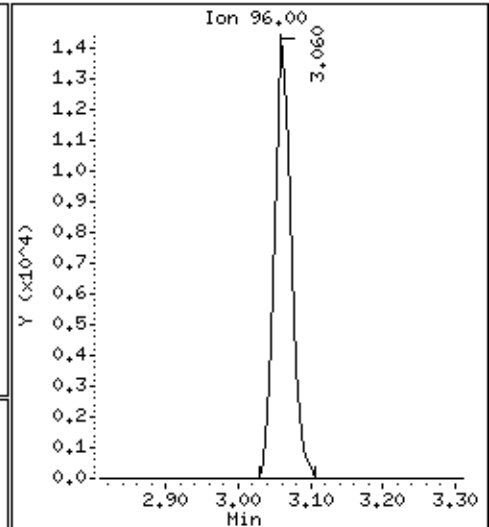
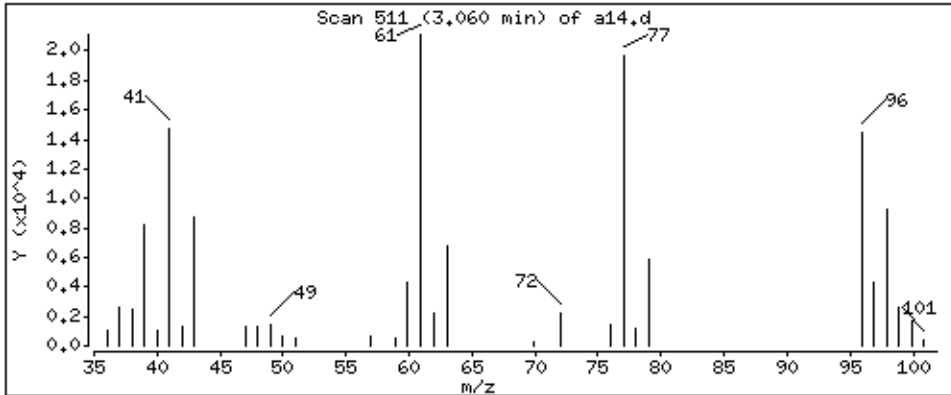
Column phase: DB-624

Column diameter: 0,18

26 1,2-Dichloroethene (cis)

Concentration: 38,4 ppb

Review Code:



Date : 03-JUL-2014 17:27

Client ID: THW-6(2-4)MSD

Instrument: 50mw3a.i

Sample Info: 1122067,71089;5

Operator: jlz

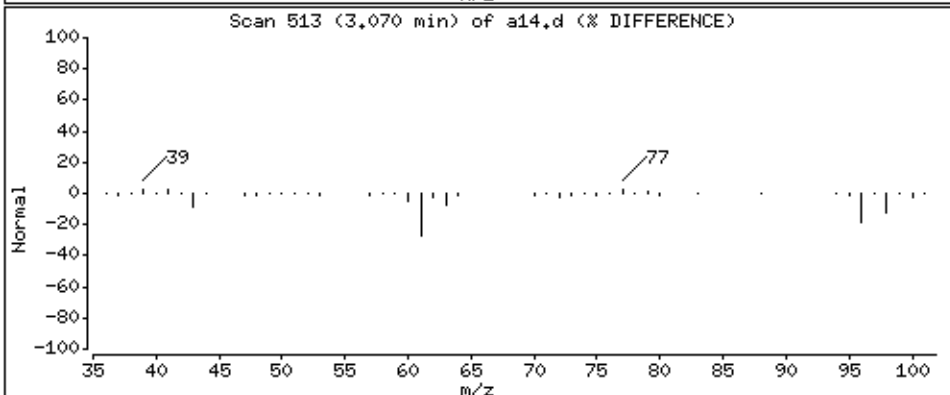
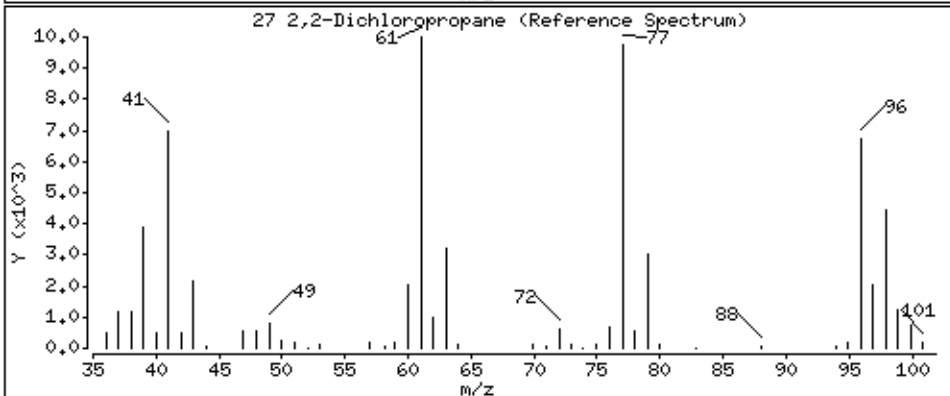
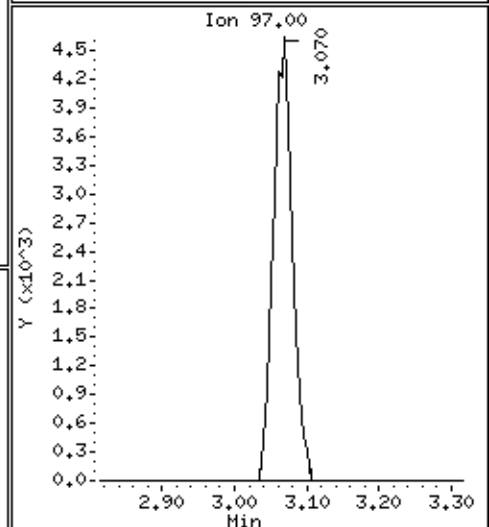
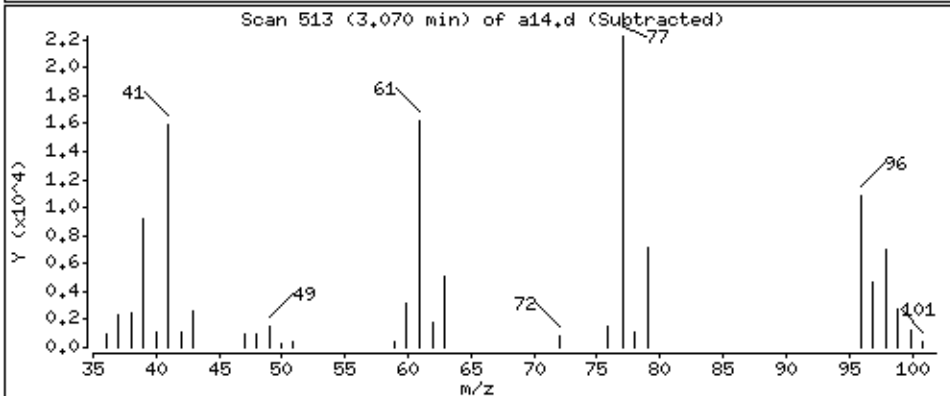
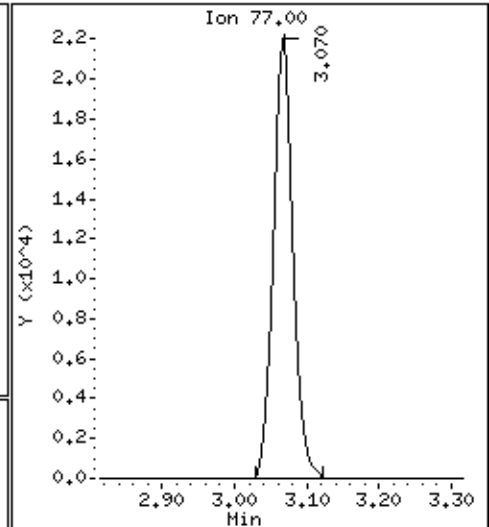
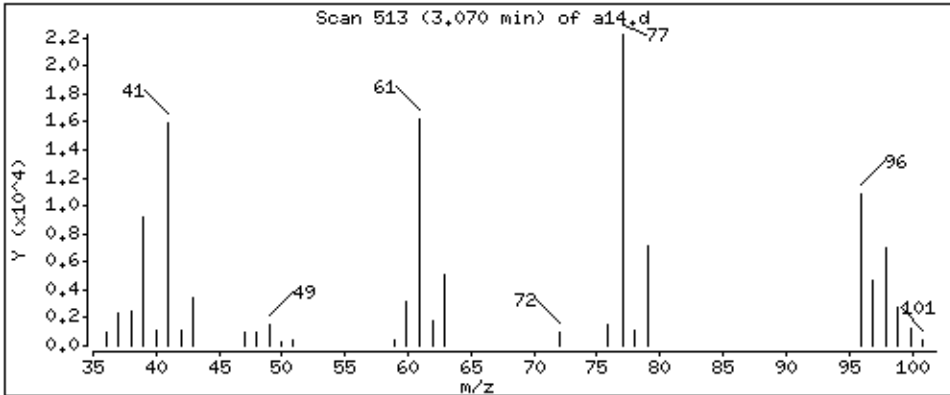
Column phase: DB-624

Column diameter: 0,18

27 2,2-Dichloropropane

Concentration: 54,3 ppb

Review Code:



Date : 03-JUL-2014 17:27

Client ID: THW-6(2-4)MSD

Instrument: 50mv3a.i

Sample Info: 1122067,71089;5

Operator: jlz

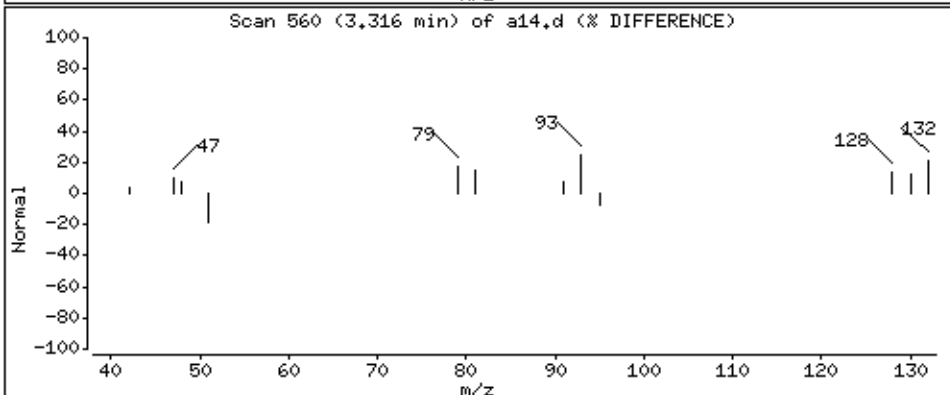
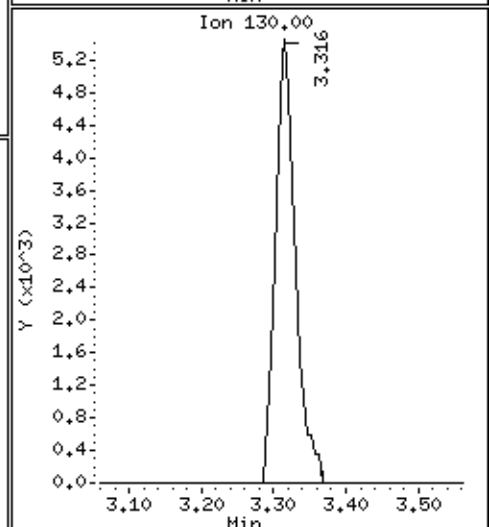
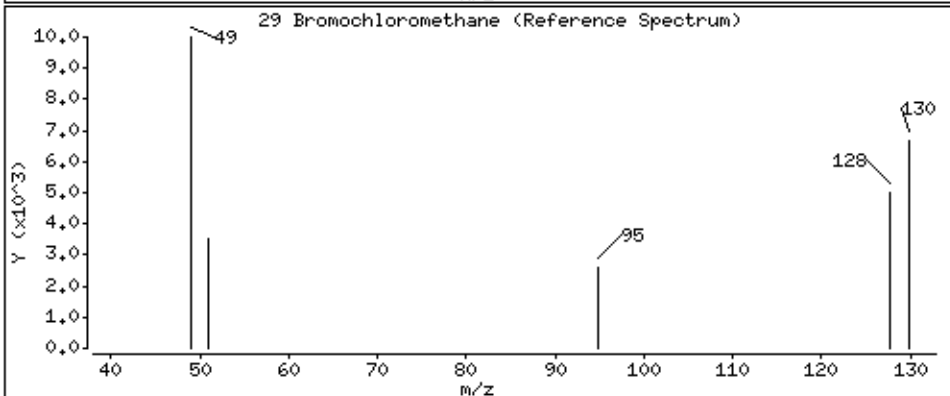
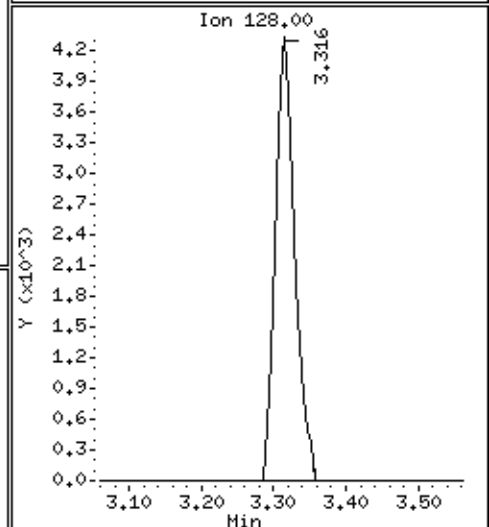
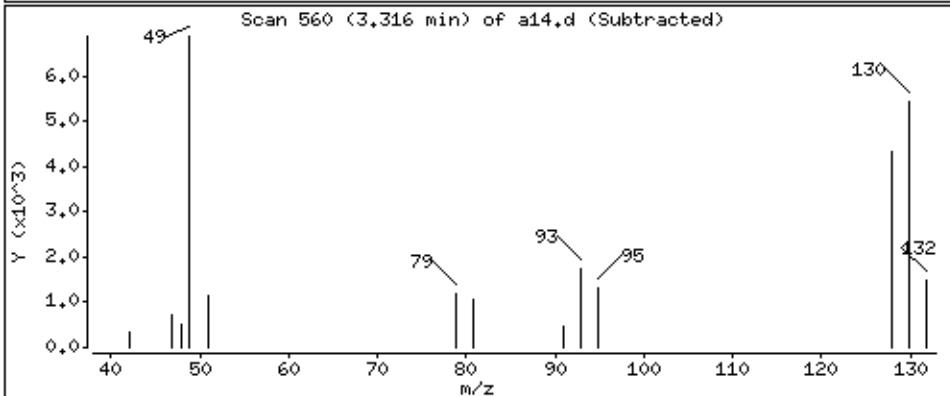
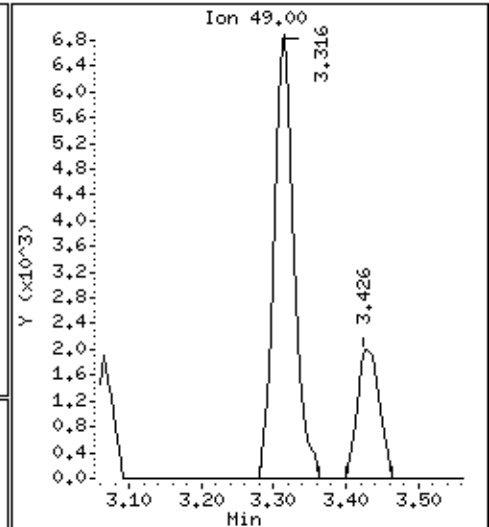
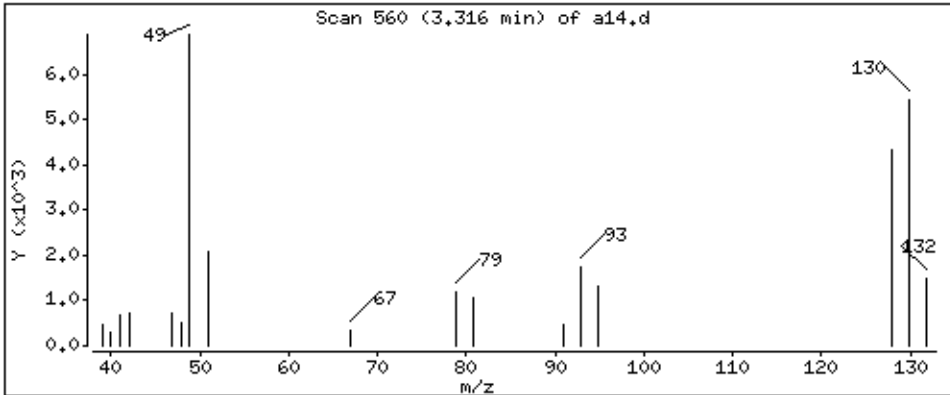
Column phase: DB-624

Column diameter: 0,18

29 Bromochloromethane

Concentration: 42,5 ppb

Review Code:



Date : 03-JUL-2014 17:27

Client ID: THW-6(2-4)MSD

Instrument: 50mv3a.i

Sample Info: 1122067,71089;5

Operator: jlz

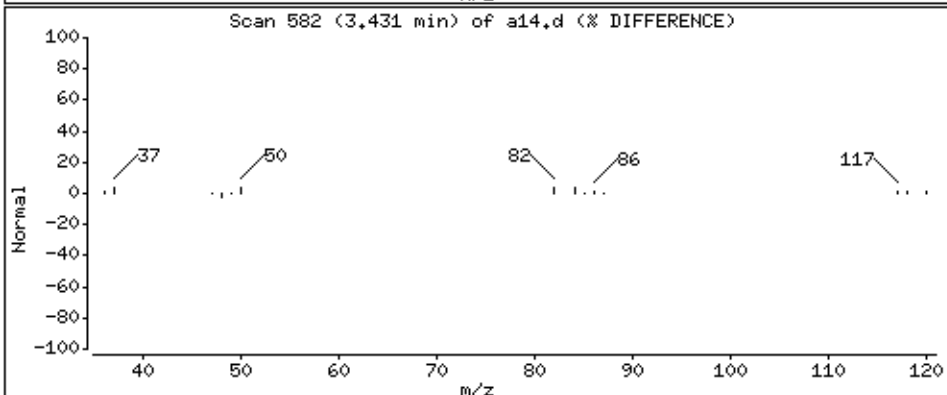
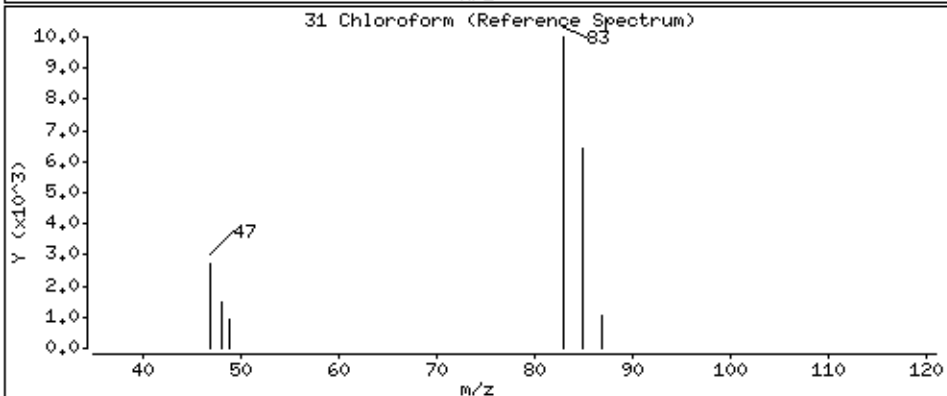
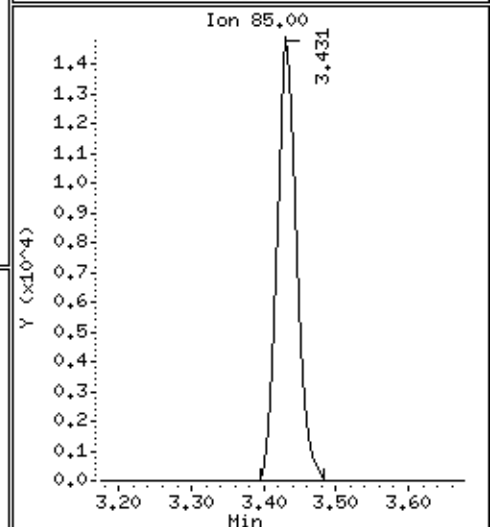
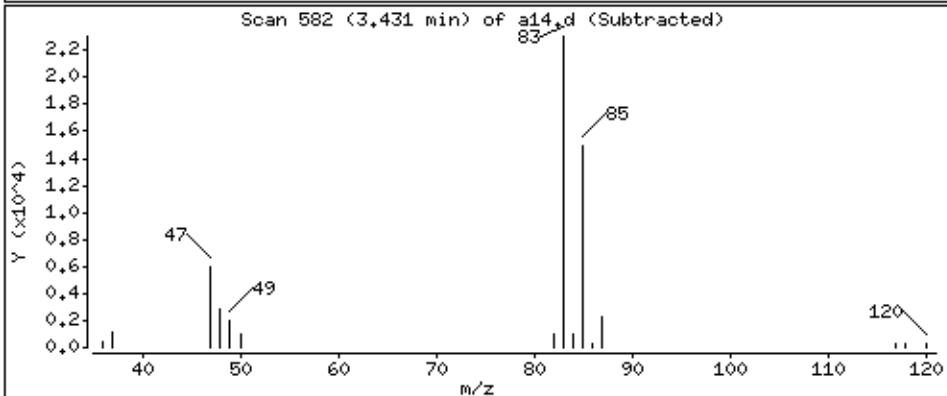
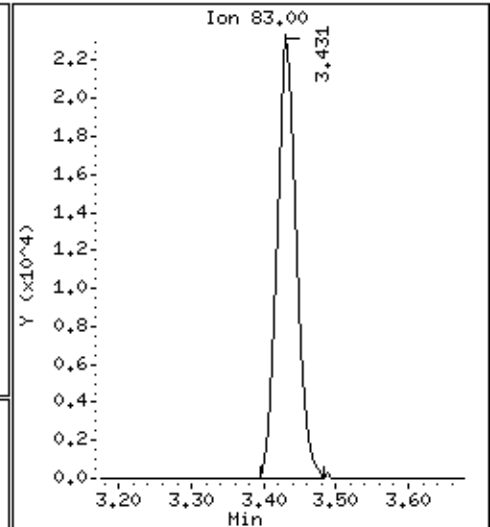
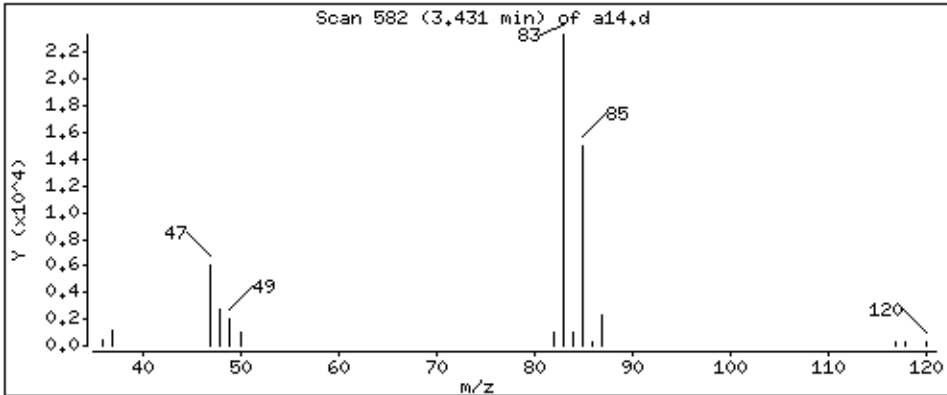
Column phase: DB-624

Column diameter: 0,18

31 Chloroform

Concentration: 43,3 ppb

Review Code:



Date : 03-JUL-2014 17:27

Client ID: THW-6(2-4)MSD

Instrument: 50mv3a.i

Sample Info: 1122067,71089;5

Operator: jlz

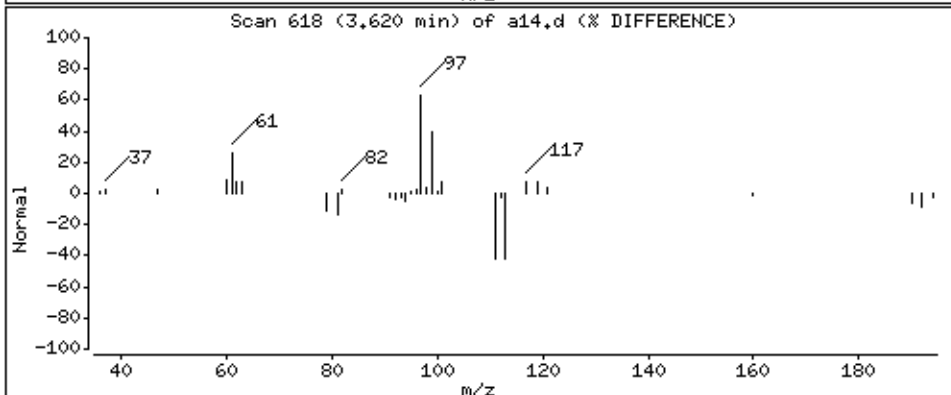
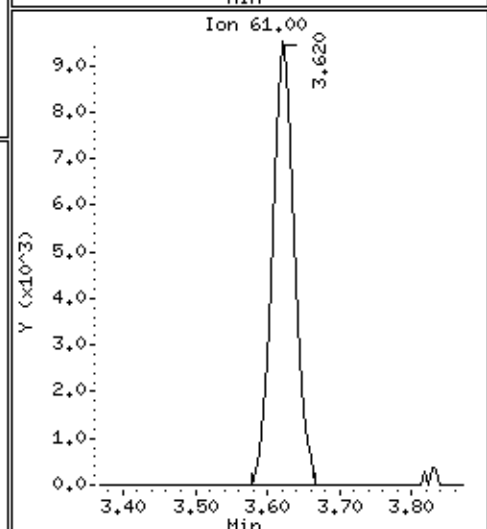
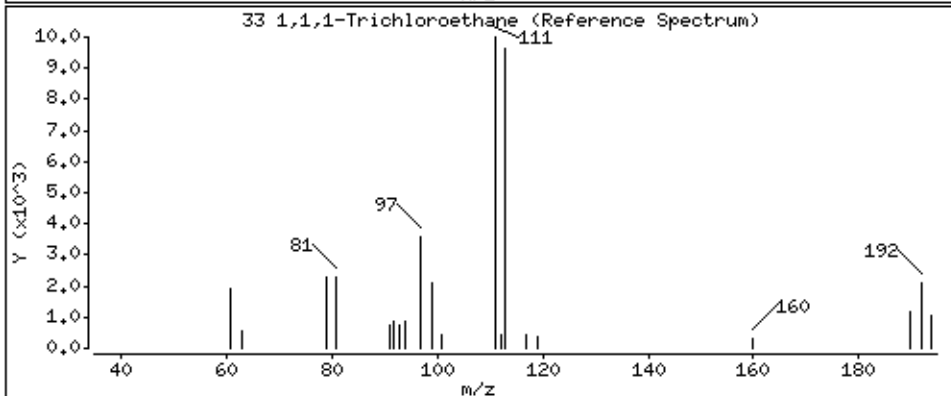
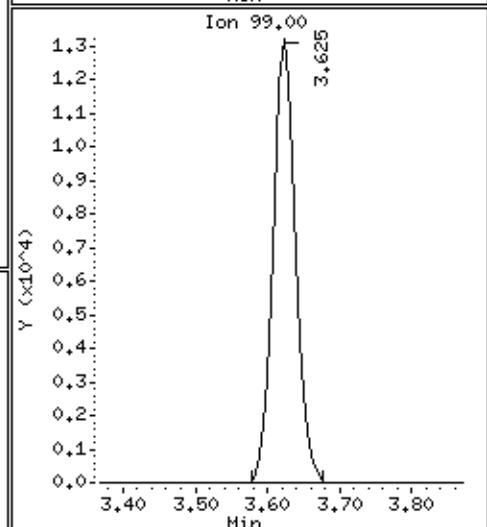
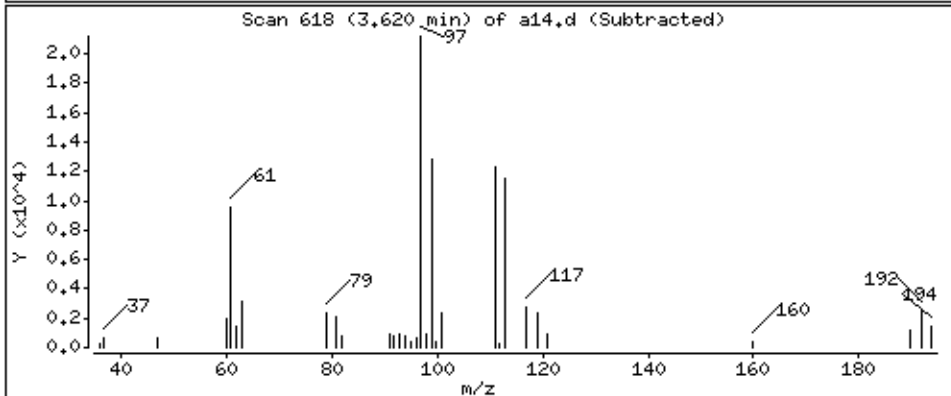
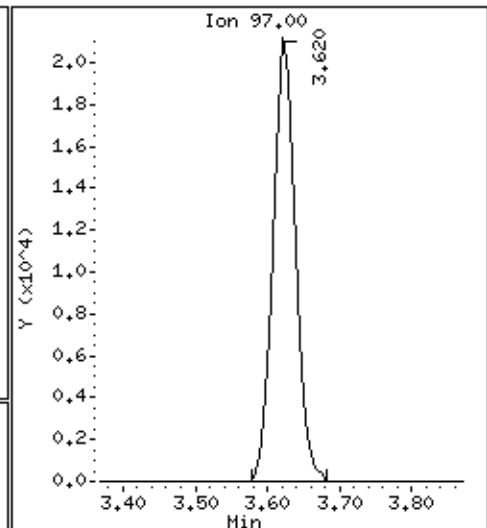
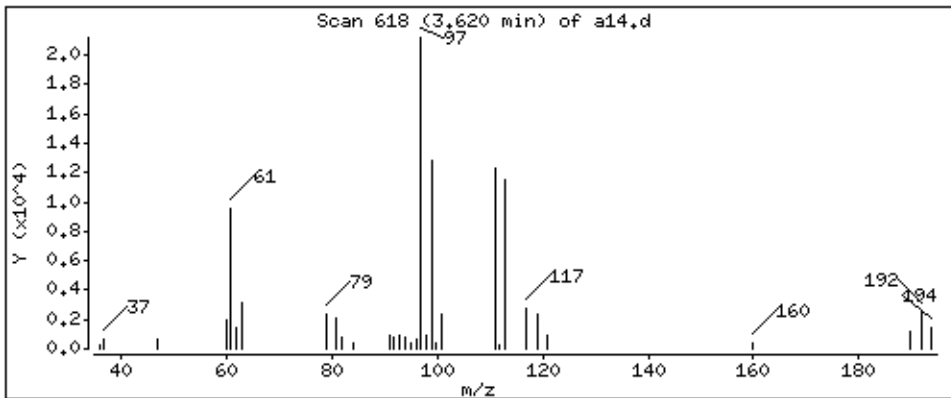
Column phase: DB-624

Column diameter: 0,18

33 1,1,1-Trichloroethane

Concentration: 51.1 ppb

Review Code:



Date : 03-JUL-2014 17:27

Client ID: THW-6(2-4)MSD

Instrument: 50mv3a.i

Sample Info: 1122067,71089;5

Operator: jlz

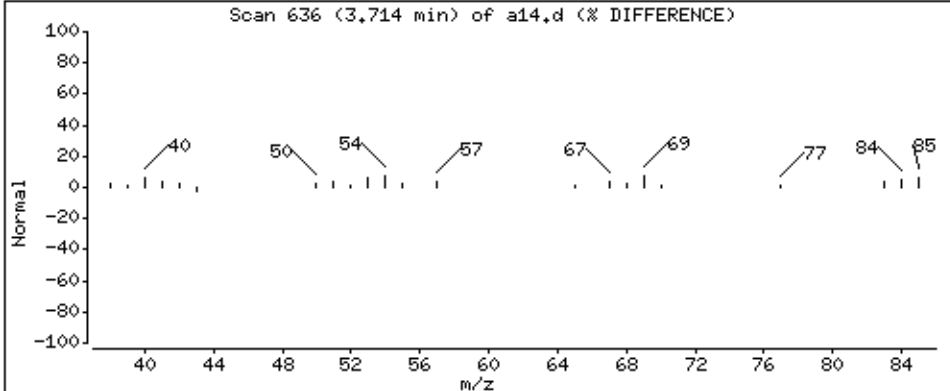
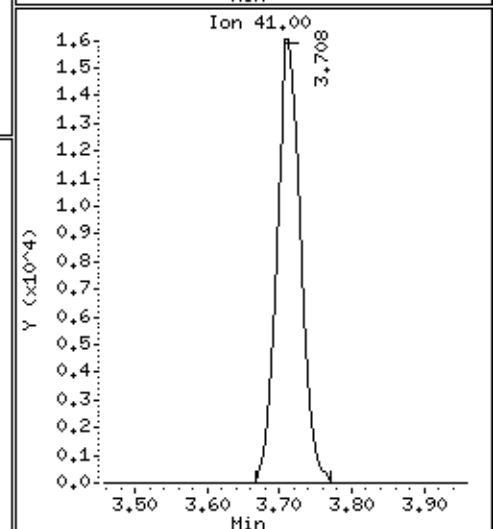
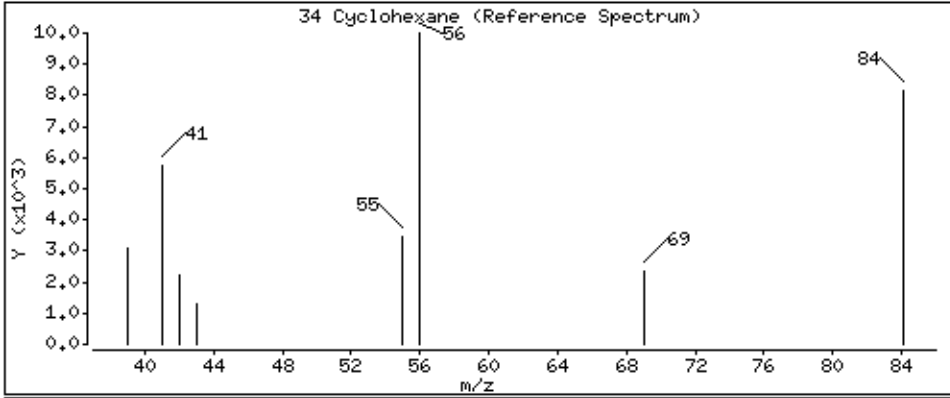
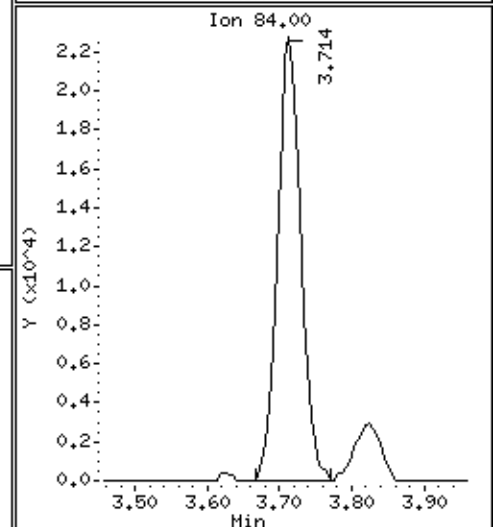
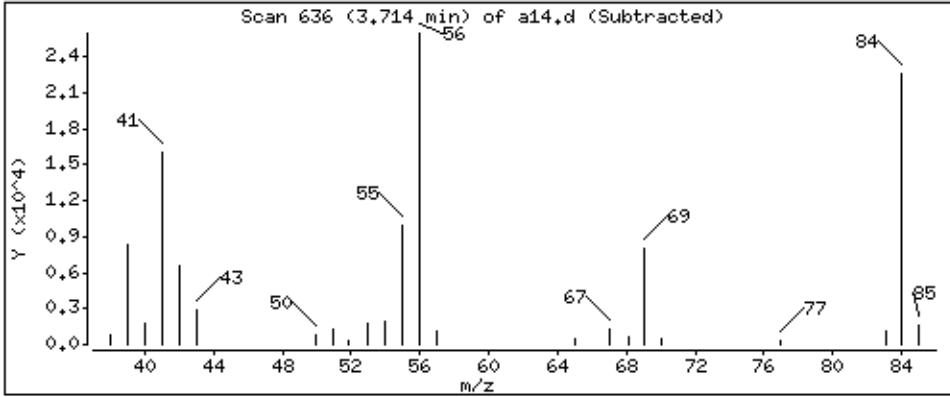
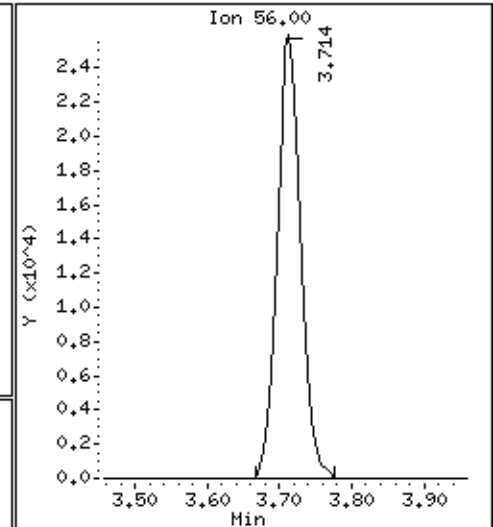
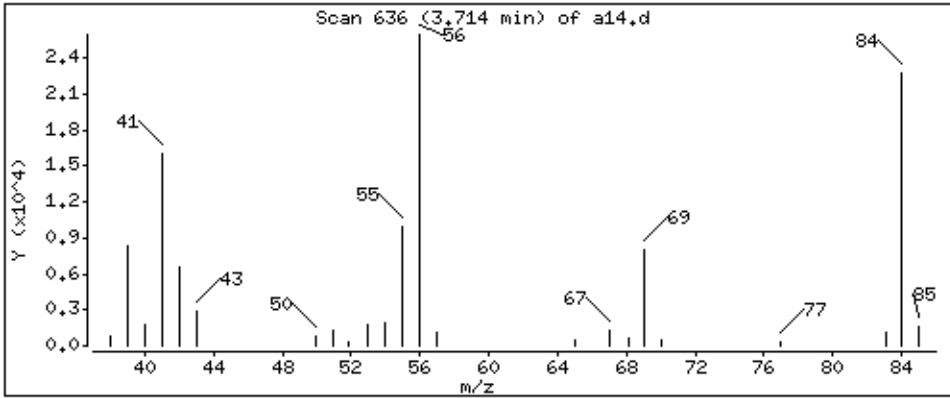
Column phase: DB-624

Column diameter: 0,18

34 Cyclohexane

Concentration: 55,1 ppb

Review Code:



Date : 03-JUL-2014 17:27

Client ID: THW-6(2-4)MSD

Instrument: 50mv3a.i

Sample Info: 1122067,71089;5

Operator: jlz

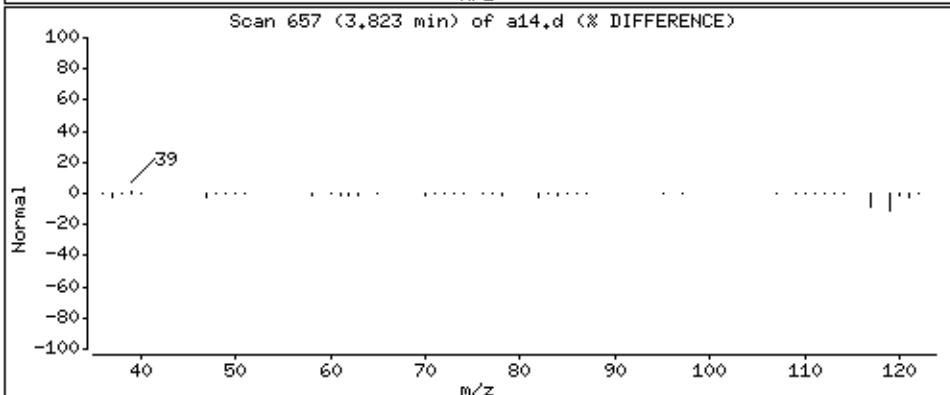
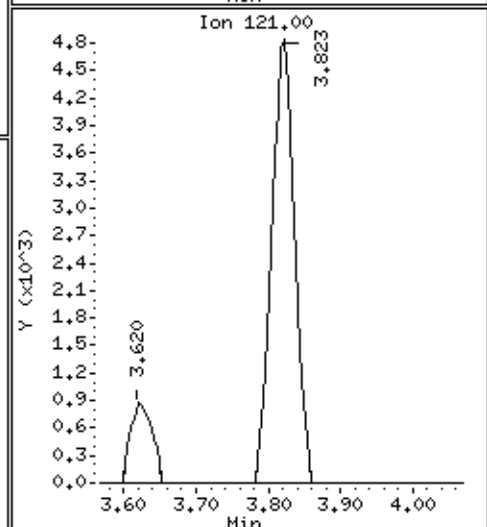
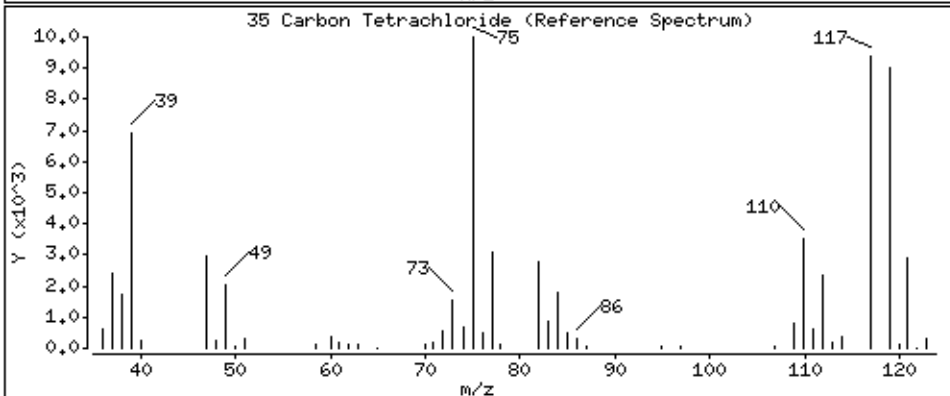
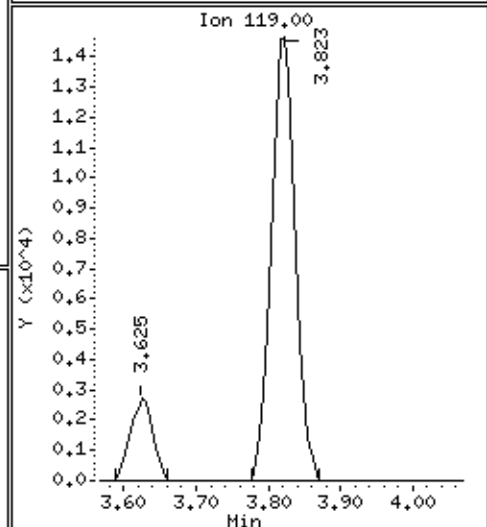
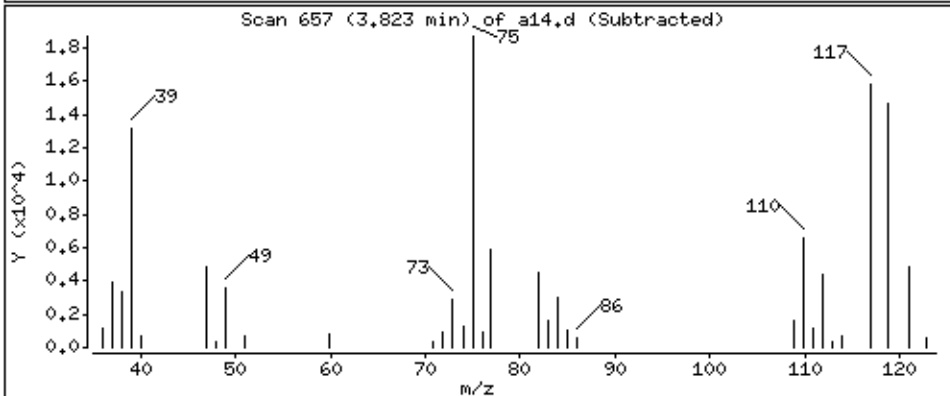
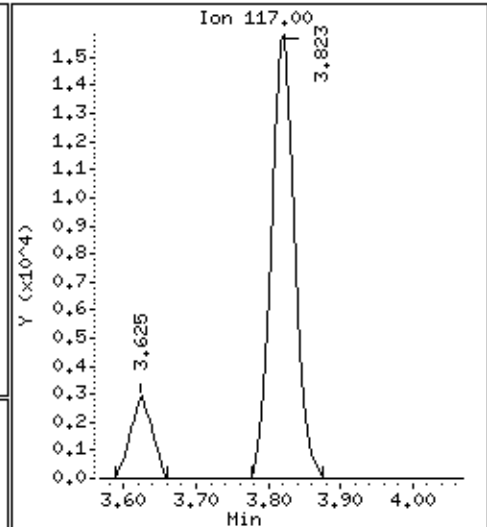
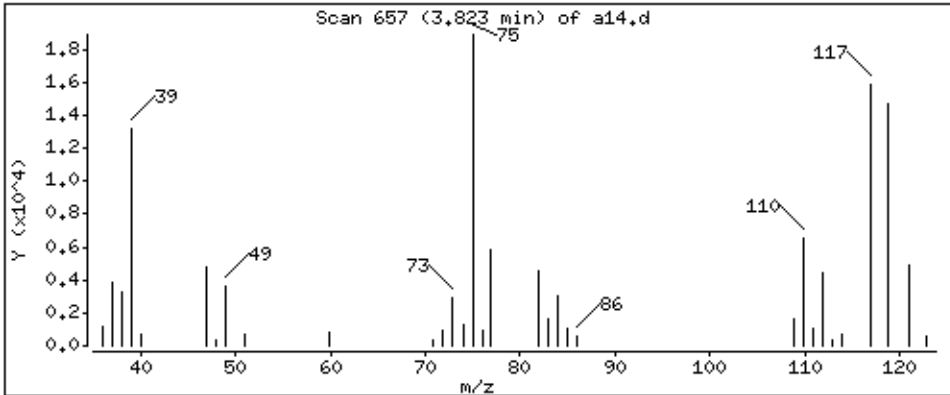
Column phase: DB-624

Column diameter: 0,18

35 Carbon Tetrachloride

Concentration: 47,3 ppb

Review Code:



Date : 03-JUL-2014 17:27

Client ID: THW-6(2-4)MSD

Instrument: 50mw3a.i

Sample Info: 1122067,71089;5

Operator: jlz

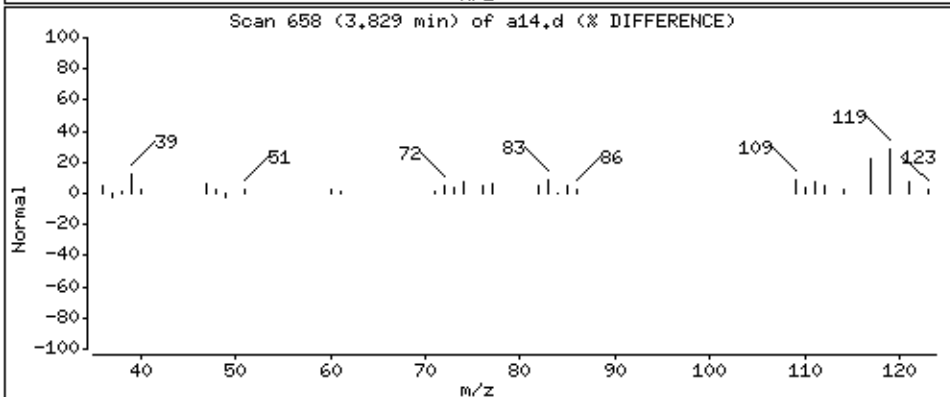
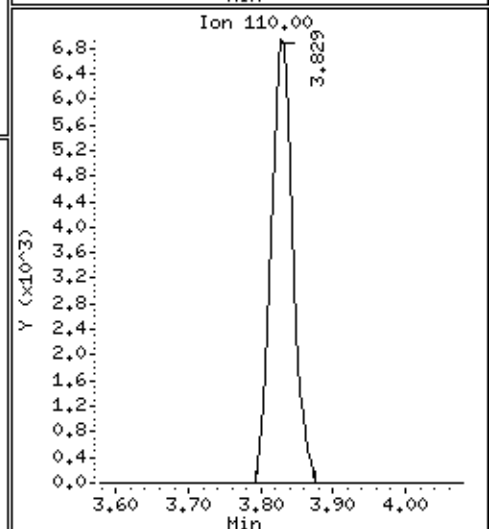
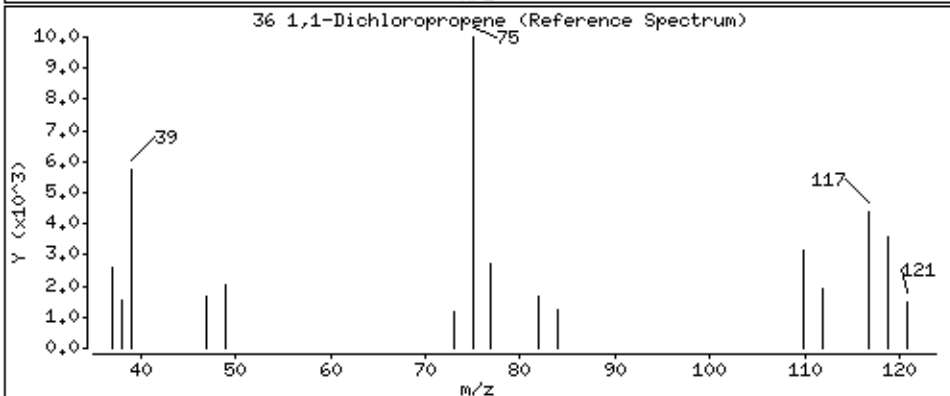
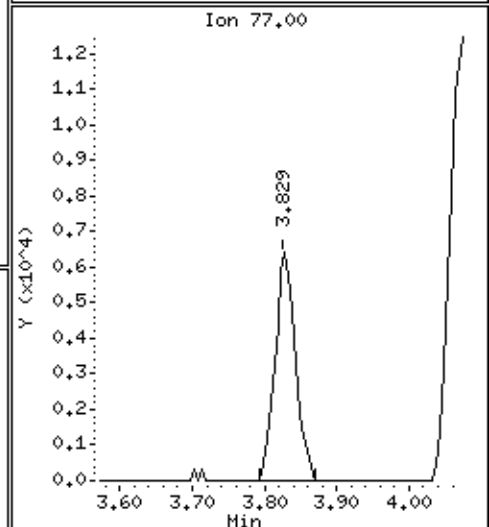
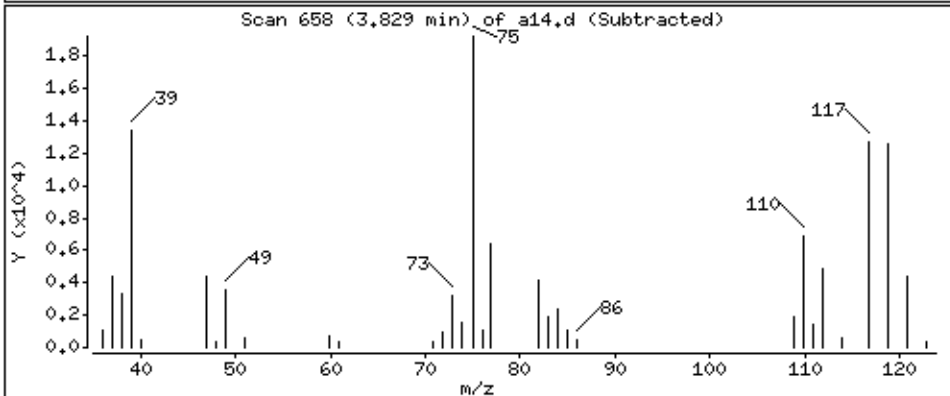
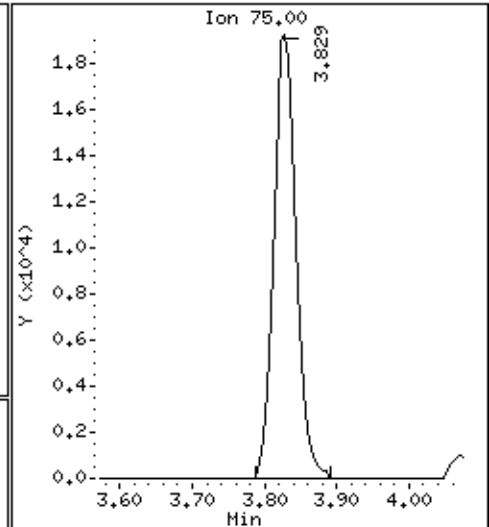
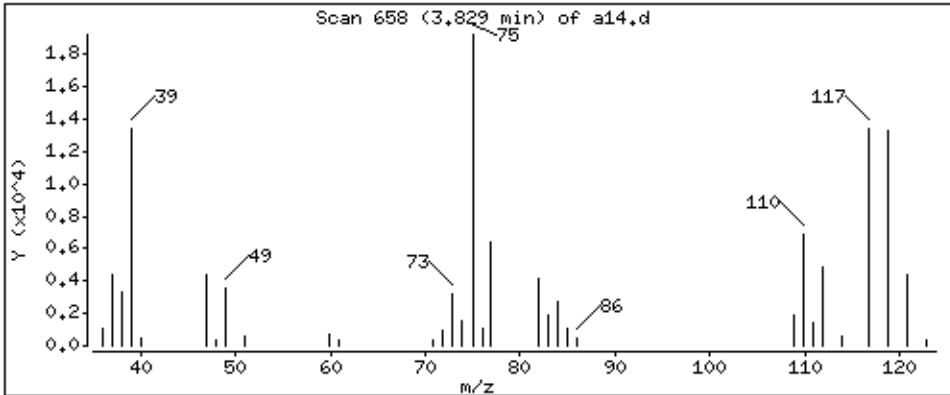
Column phase: DB-624

Column diameter: 0,18

36 1,1-Dichloropropene

Concentration: 45,6 ppb

Review Code:



Date : 03-JUL-2014 17:27

Client ID: THW-6(2-4)MSD

Instrument: 50mv3a.i

Sample Info: 1122067,71089;5

Operator: jlz

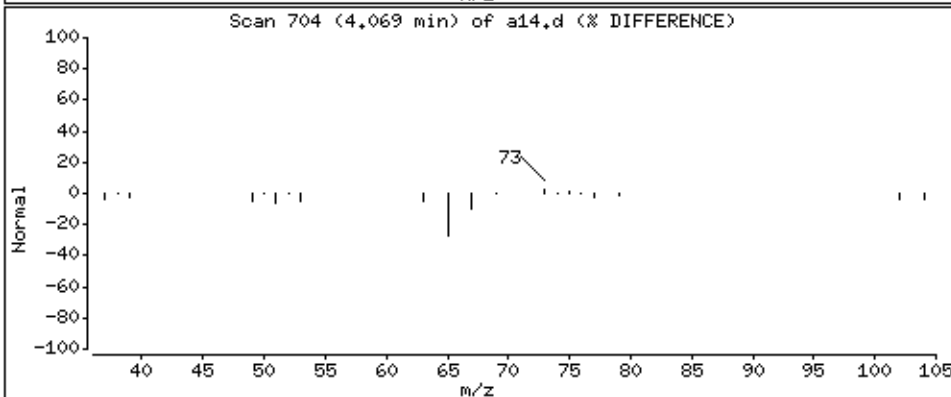
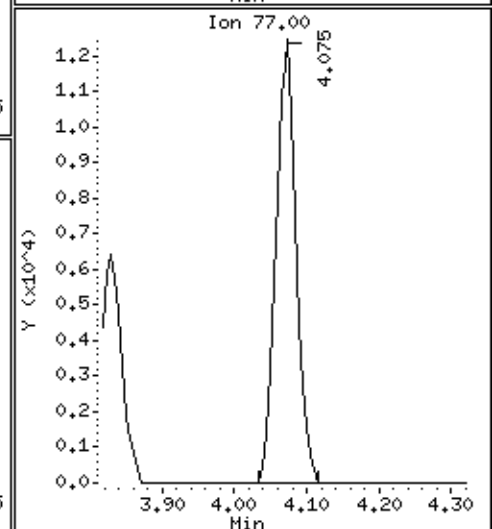
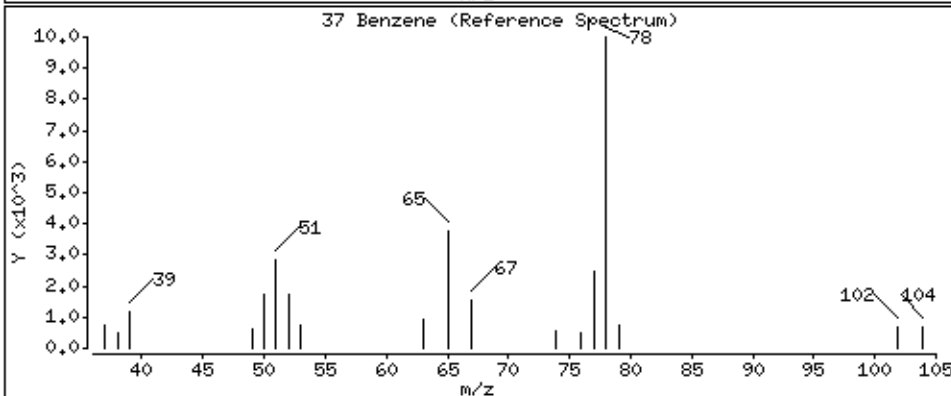
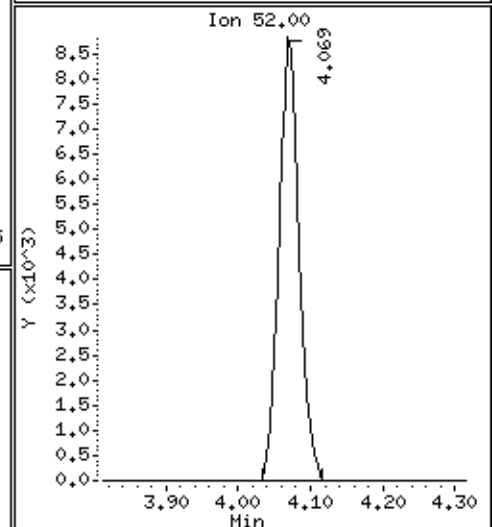
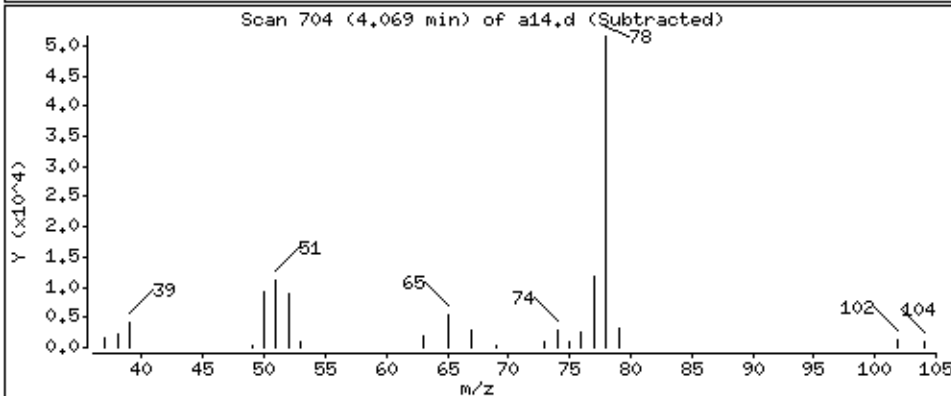
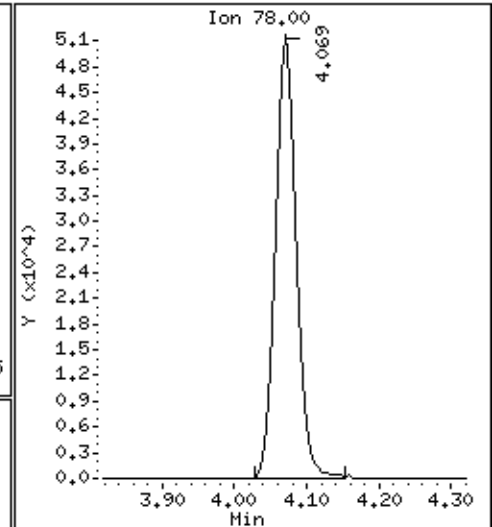
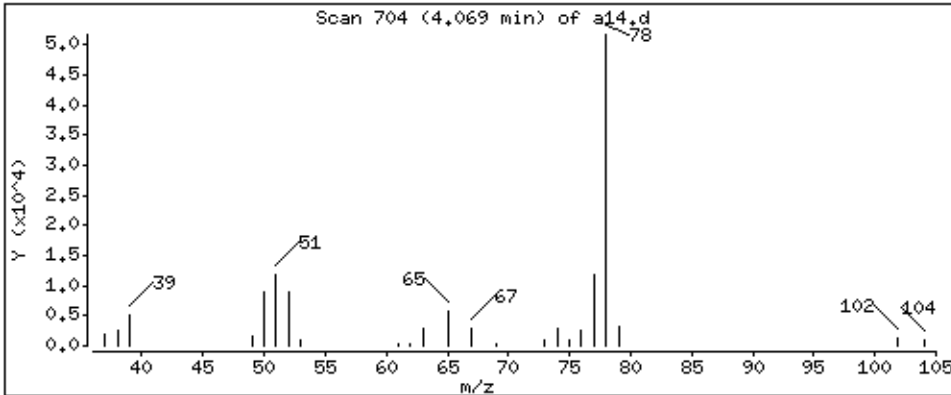
Column phase: DB-624

Column diameter: 0,18

37 Benzene

Concentration: 46,5 ppb

Review Code:



Date : 03-JUL-2014 17:27

Client ID: THW-6(2-4)MSD

Instrument: 50mv3a.i

Sample Info: 1122067,71089;5

Operator: jlz

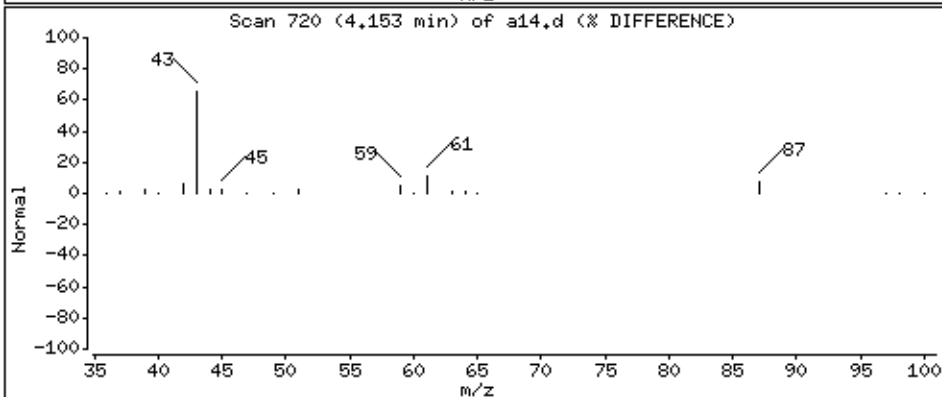
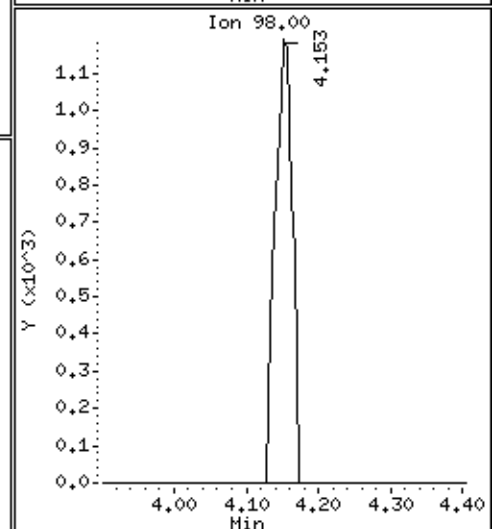
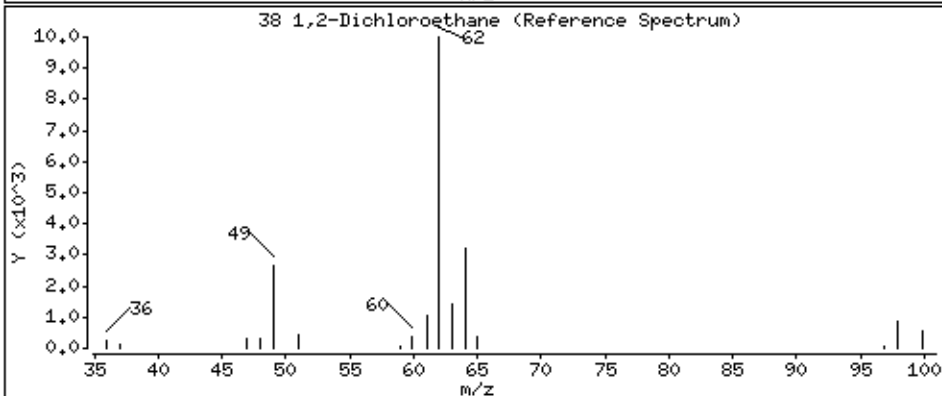
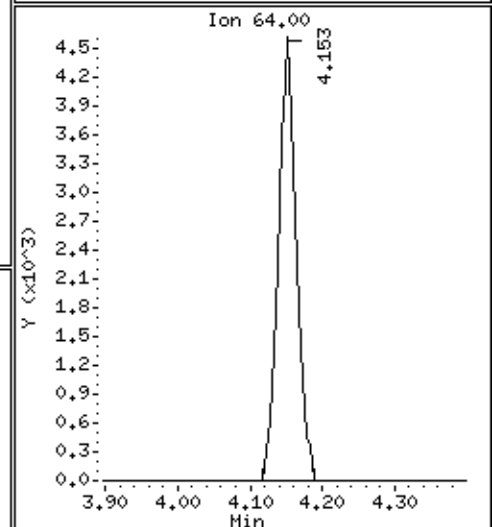
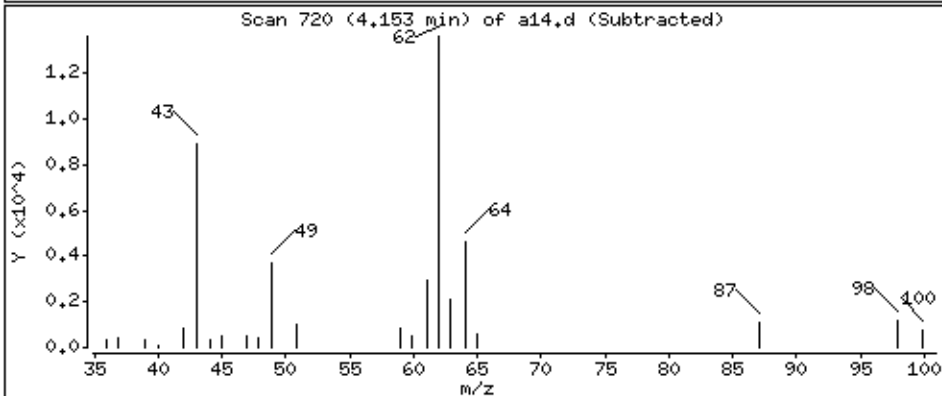
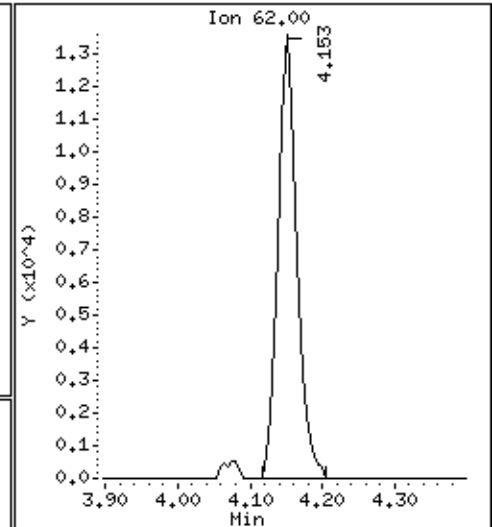
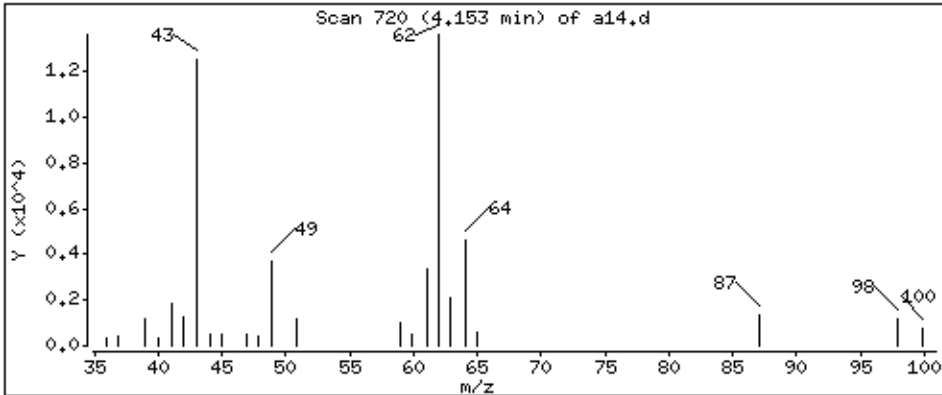
Column phase: DB-624

Column diameter: 0,18

38 1,2-Dichloroethane

Concentration: 39,3 ppb

Review Code:



Date : 03-JUL-2014 17:27

Client ID: THW-6(2-4)MSD

Instrument: 50mv3a.i

Sample Info: 1122067,71089;5

Operator: jlz

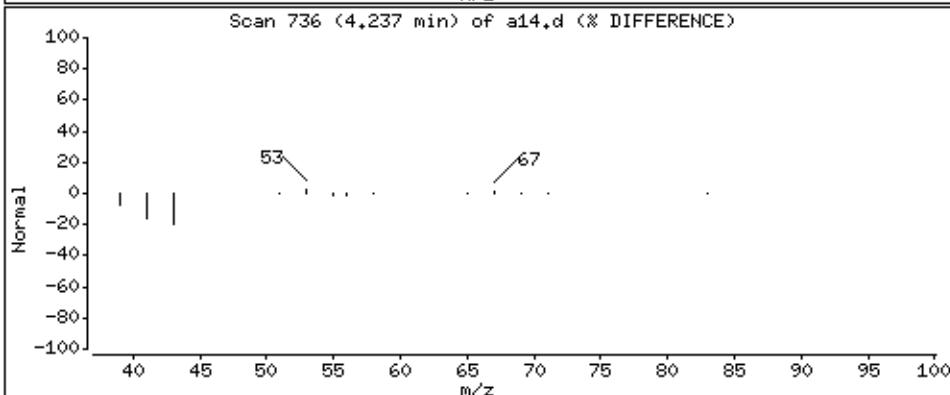
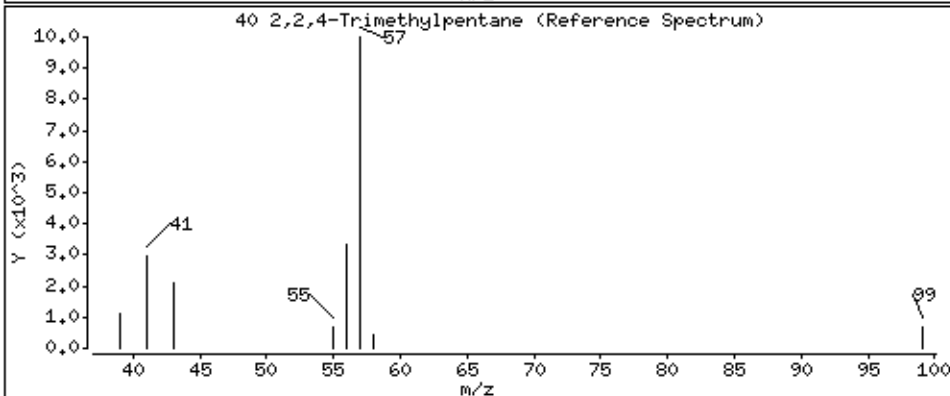
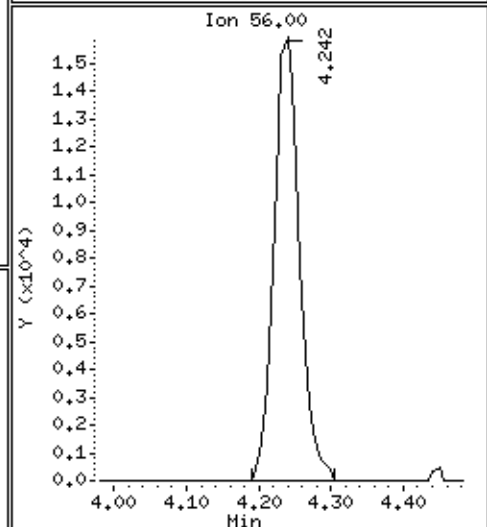
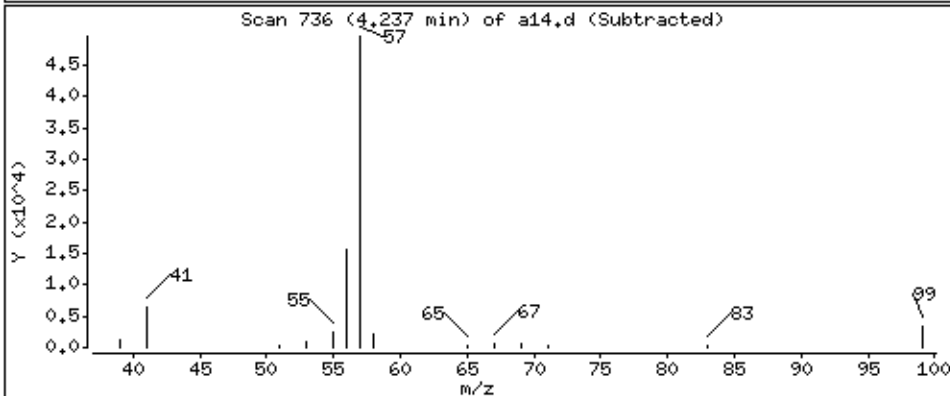
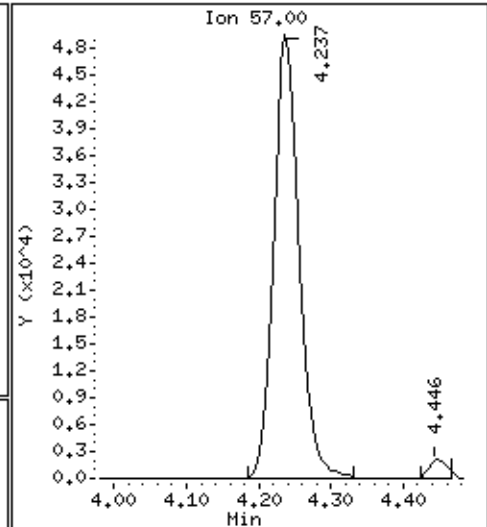
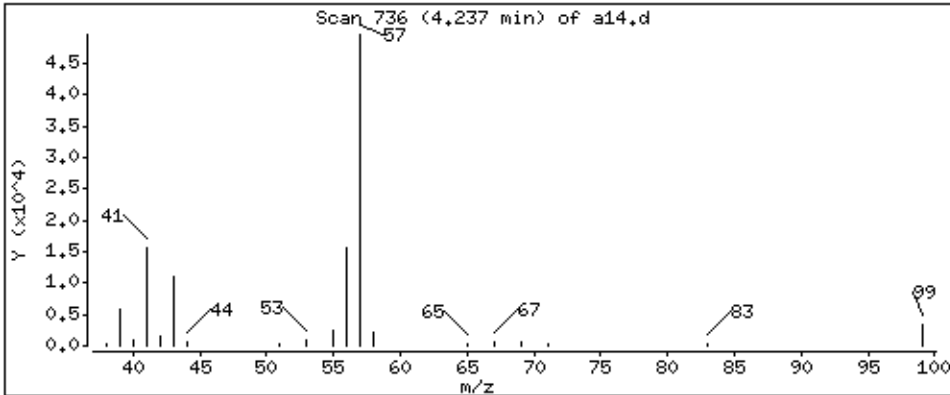
Column phase: DB-624

Column diameter: 0,18

40 2,2,4-Trimethylpentane

Concentration: 46,7 ppb

Review Code:



Date : 03-JUL-2014 17:27

Client ID: THW-6(2-4)MSD

Instrument: 50mv3a.i

Sample Info: 1122067,71089;5

Operator: jlz

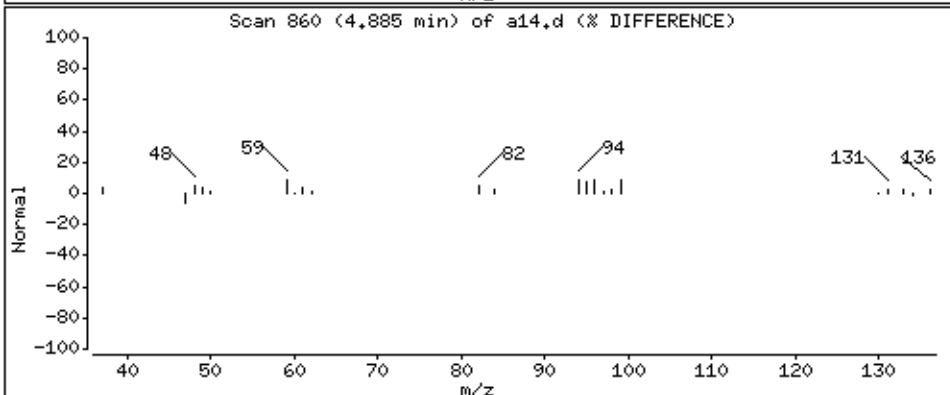
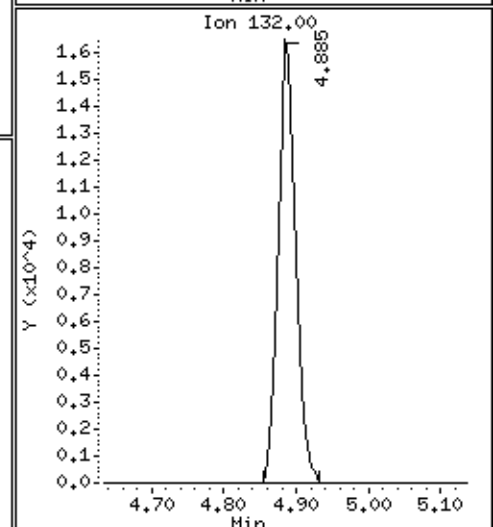
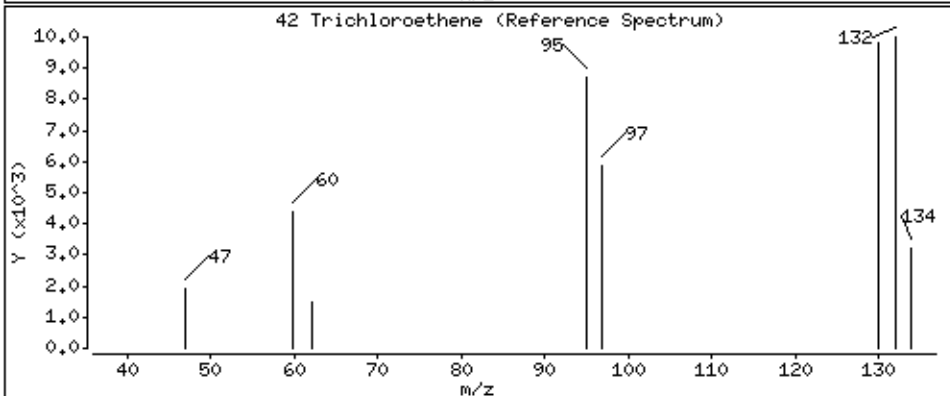
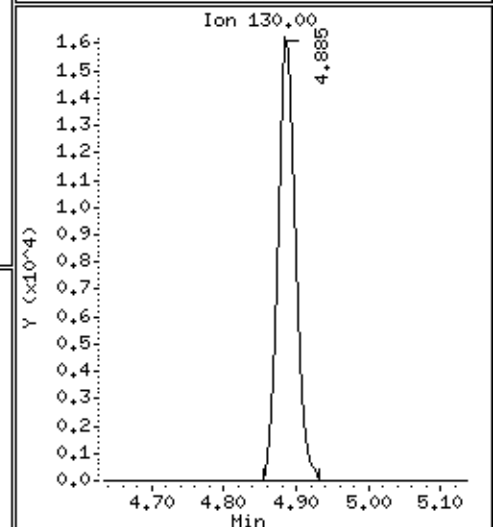
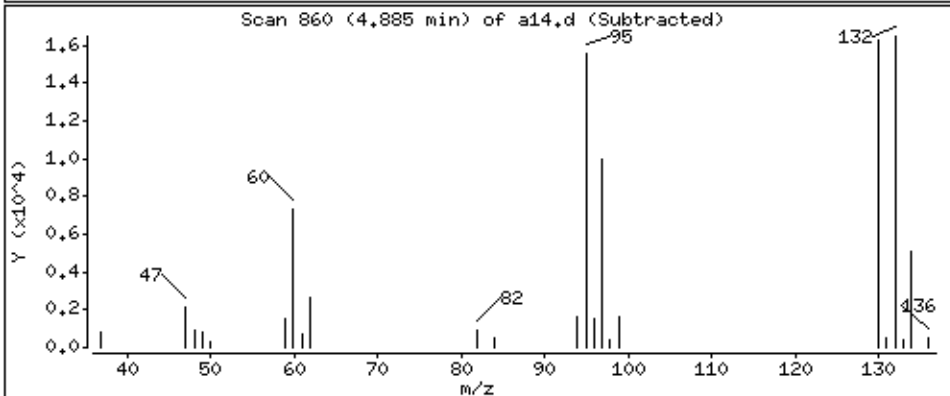
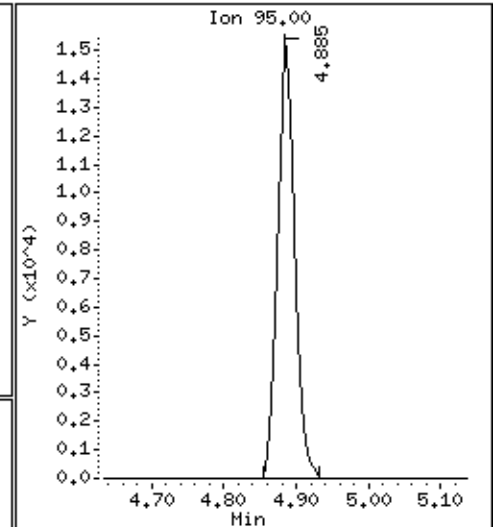
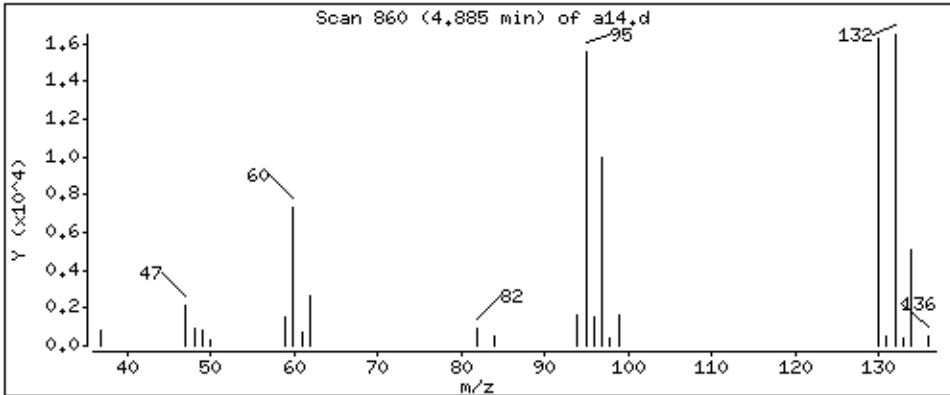
Column phase: DB-624

Column diameter: 0,18

42 Trichloroethene

Concentration: 41.9 ppb

Review Code:



Date : 03-JUL-2014 17:27

Client ID: THW-6(2-4)MSD

Instrument: 50mv3a.i

Sample Info: 1122067,71089;5

Operator: jlz

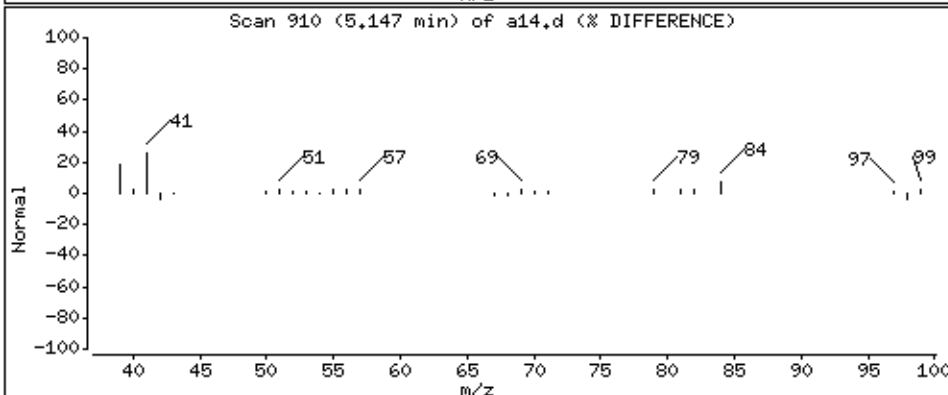
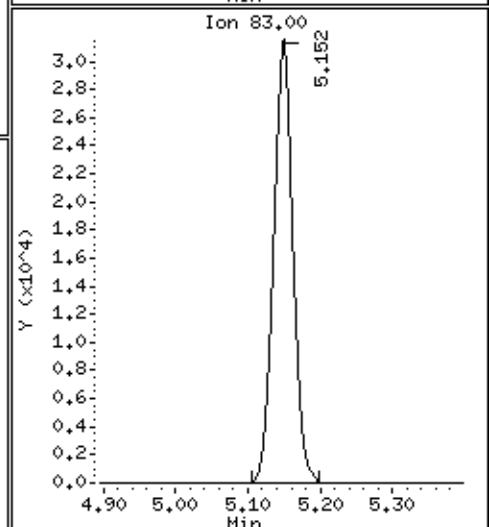
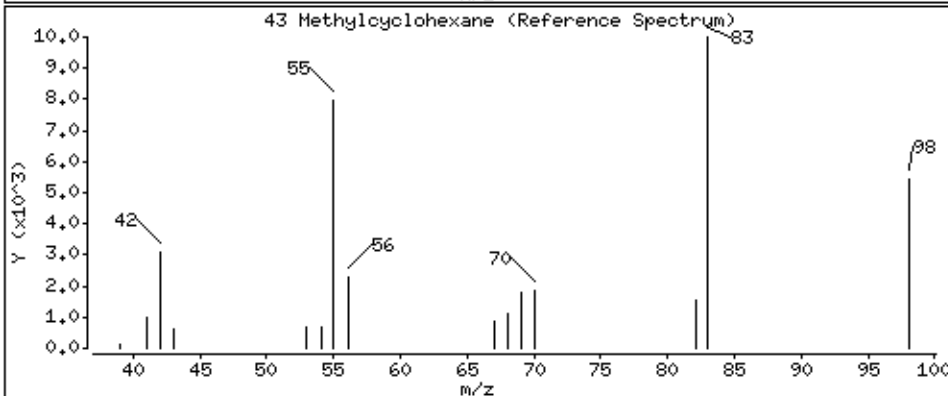
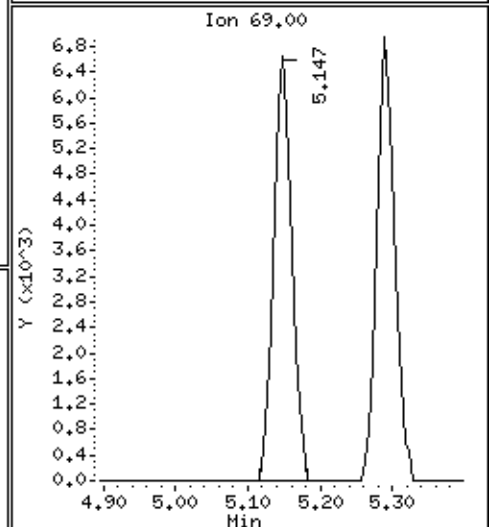
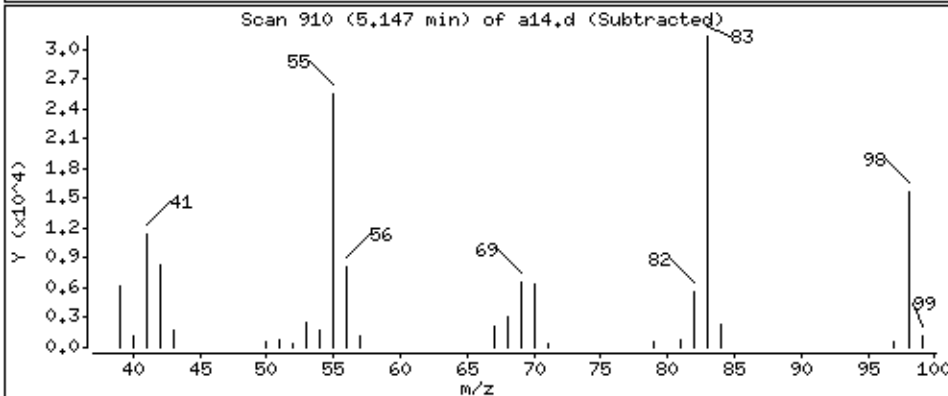
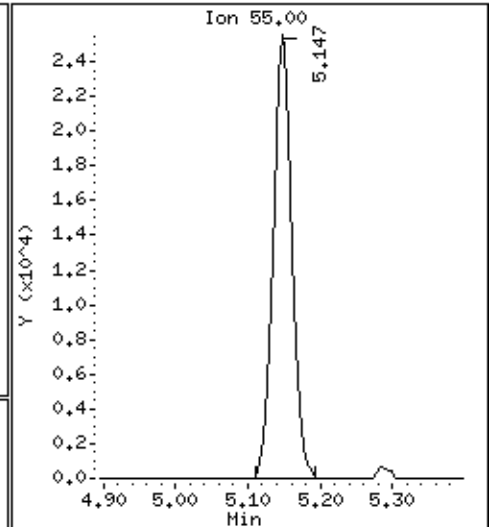
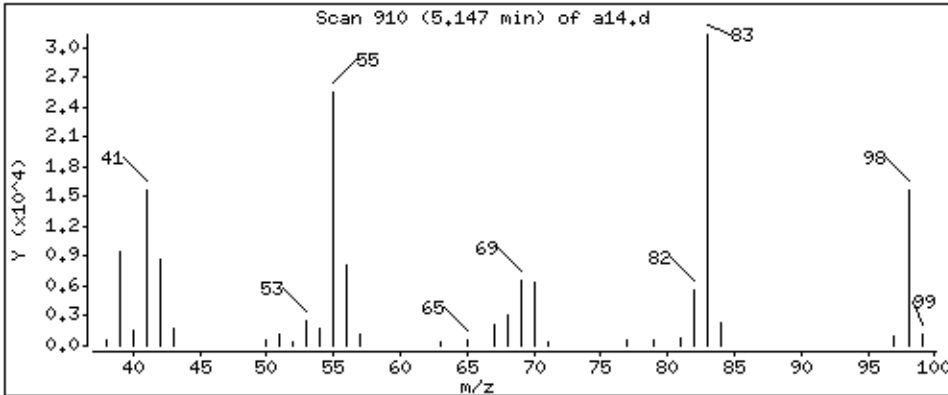
Column phase: DB-624

Column diameter: 0,18

43 Methylcyclohexane

Concentration: 52.4 ppb

Review Code:



Date : 03-JUL-2014 17:27

Client ID: THW-6(2-4)MSD

Instrument: 50mv3a.i

Sample Info: 1122067,71089;5

Operator: jlz

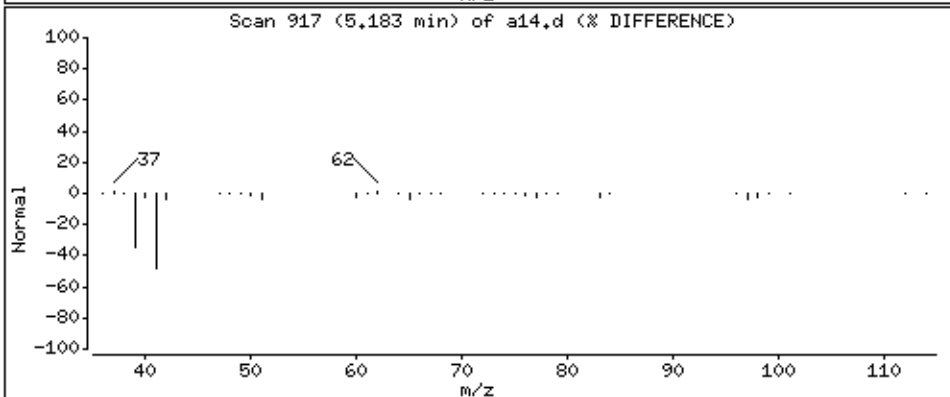
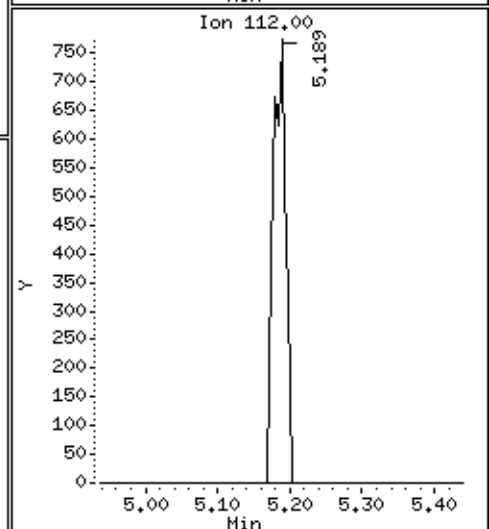
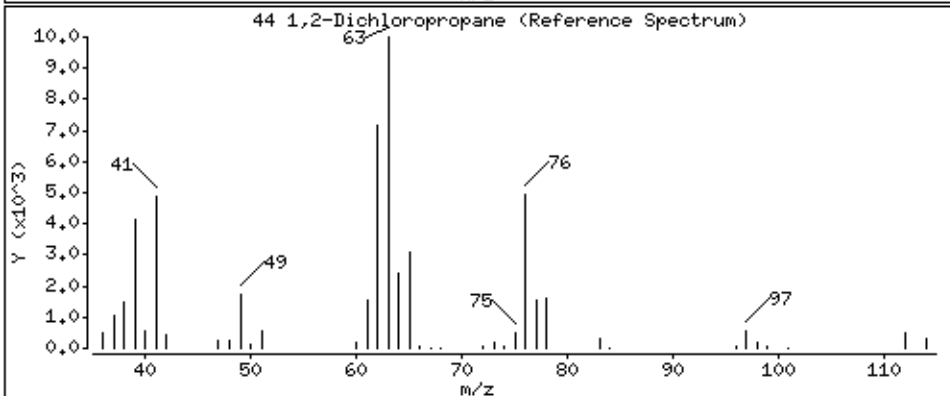
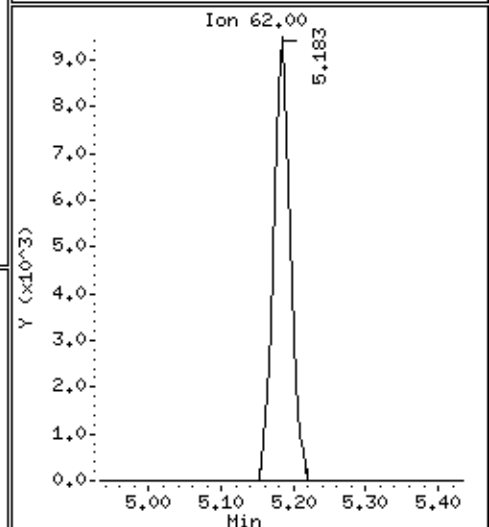
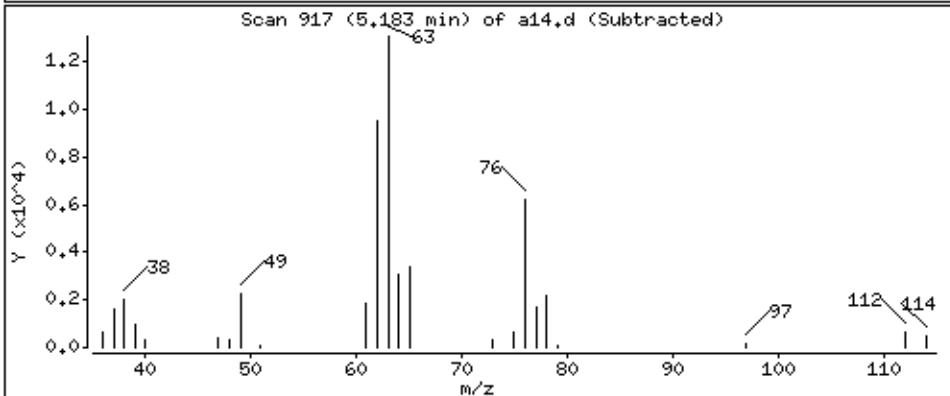
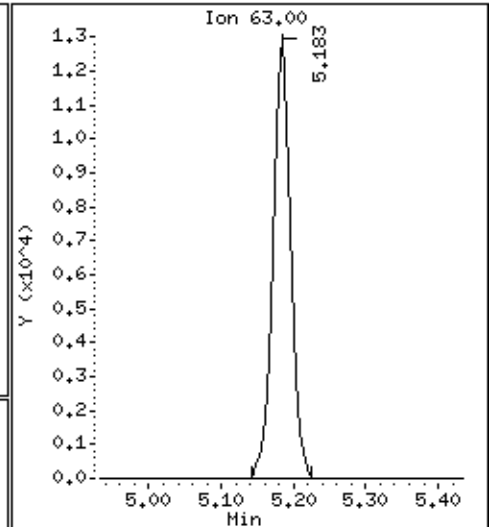
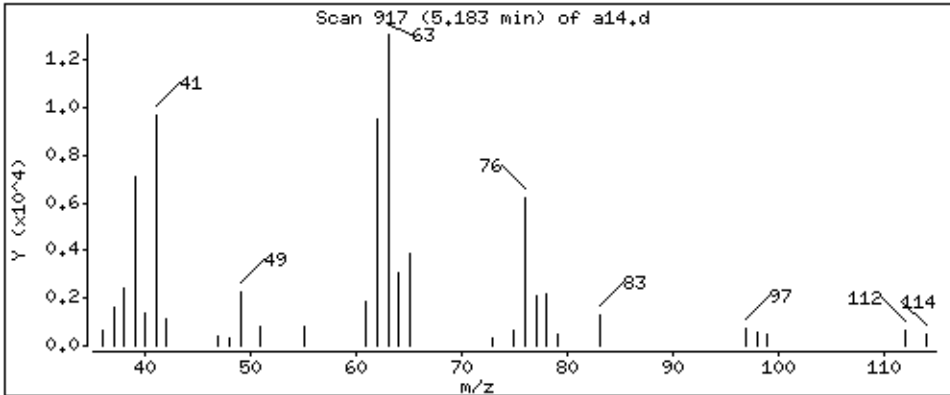
Column phase: DB-624

Column diameter: 0,18

44 1,2-Dichloropropane

Concentration: 43,6 ppb

Review Code:



Date : 03-JUL-2014 17:27

Client ID: THW-6(2-4)MSD

Instrument: 50mw3a.i

Sample Info: 1122067,71089;5

Operator: jlz

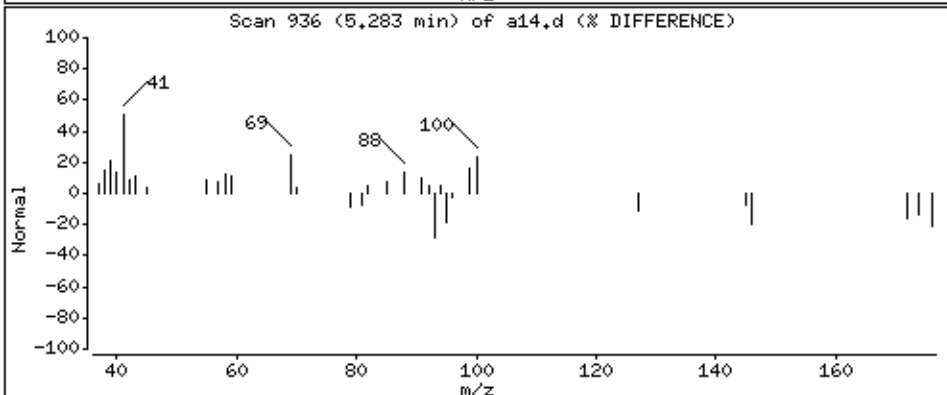
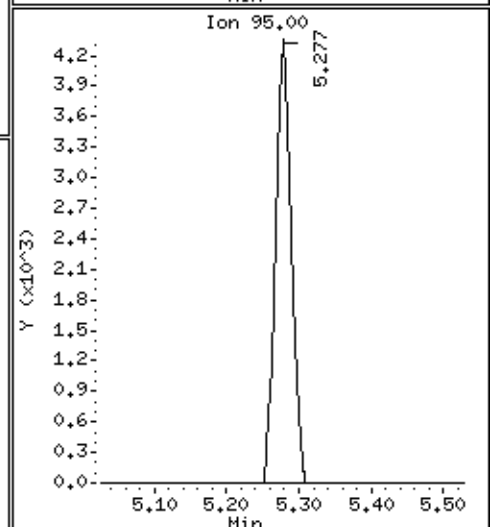
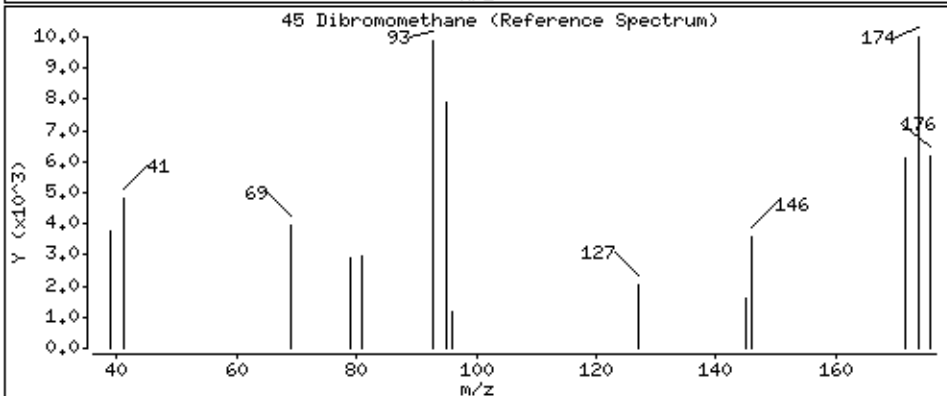
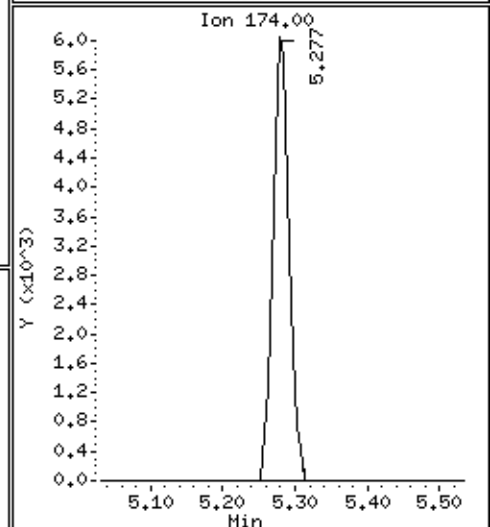
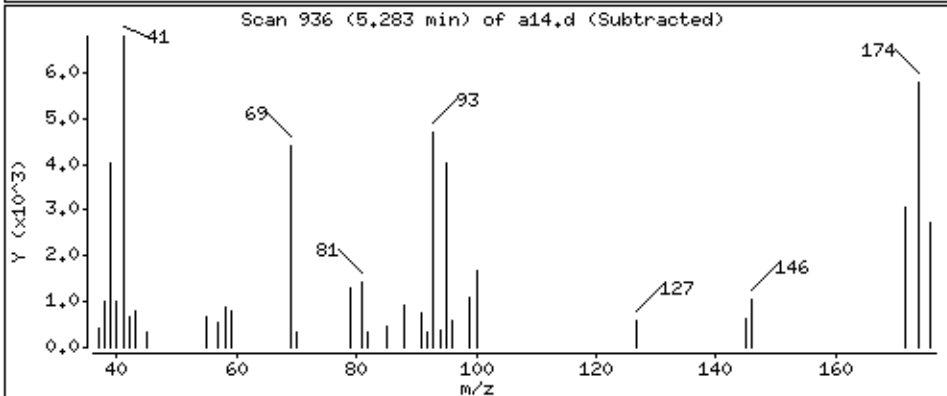
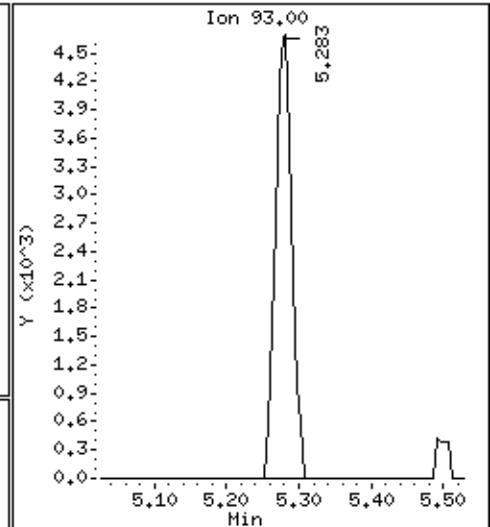
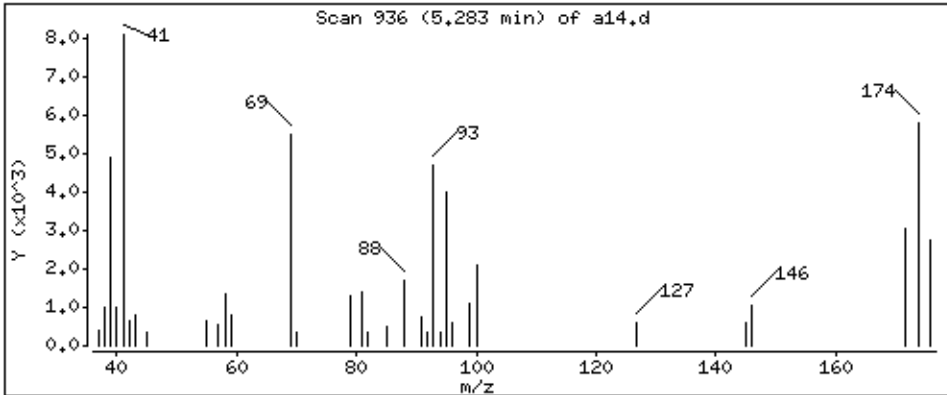
Column phase: DB-624

Column diameter: 0,18

45 Dibromomethane

Concentration: 34,0 ppb

Review Code:



Date : 03-JUL-2014 17:27

Client ID: THW-6(2-4)MSD

Instrument: 50mv3a.i

Sample Info: 1122067,71089;5

Operator: jlz

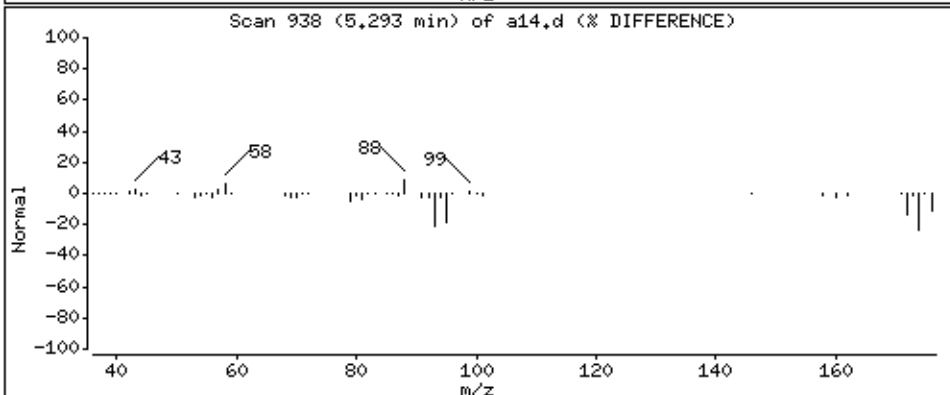
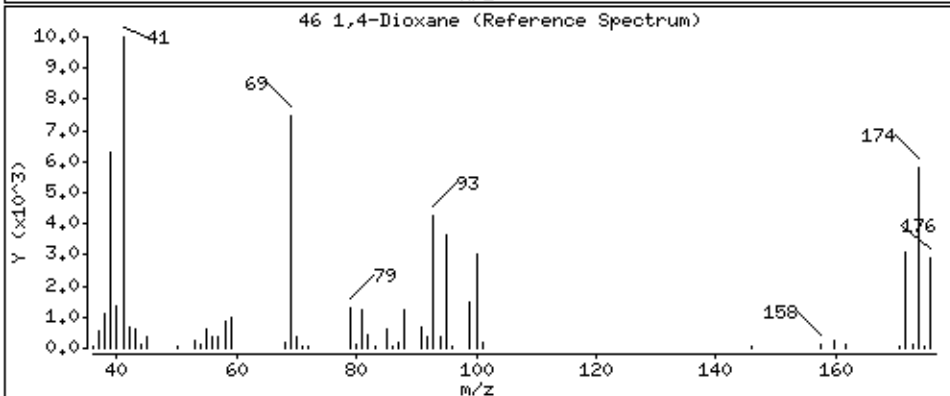
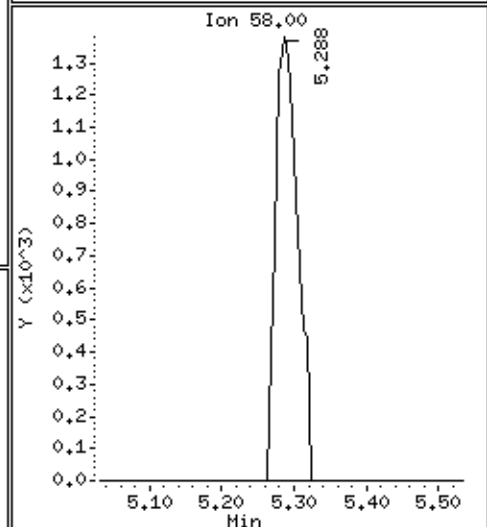
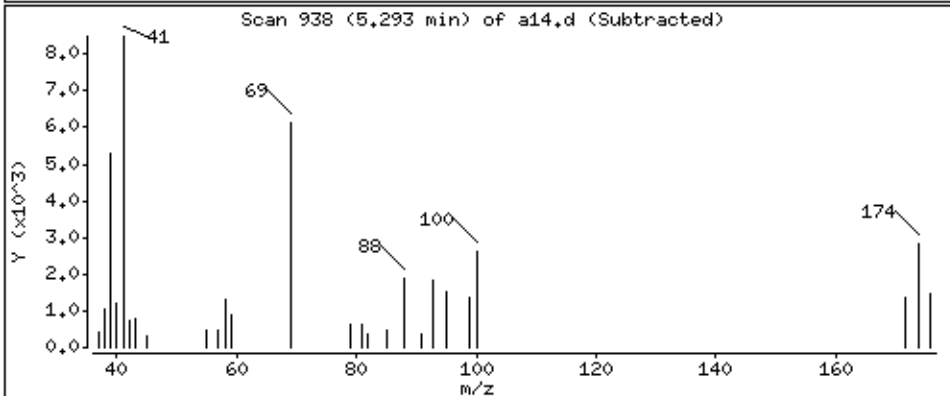
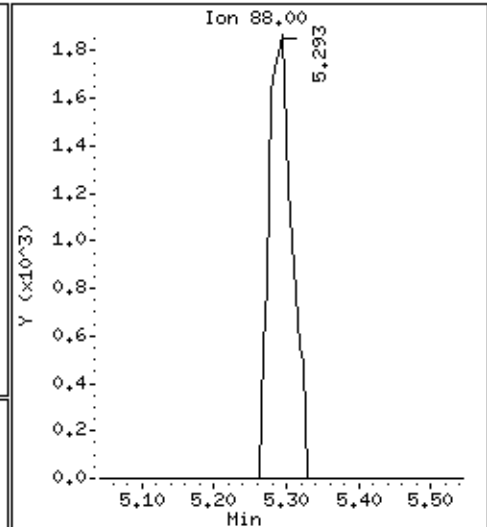
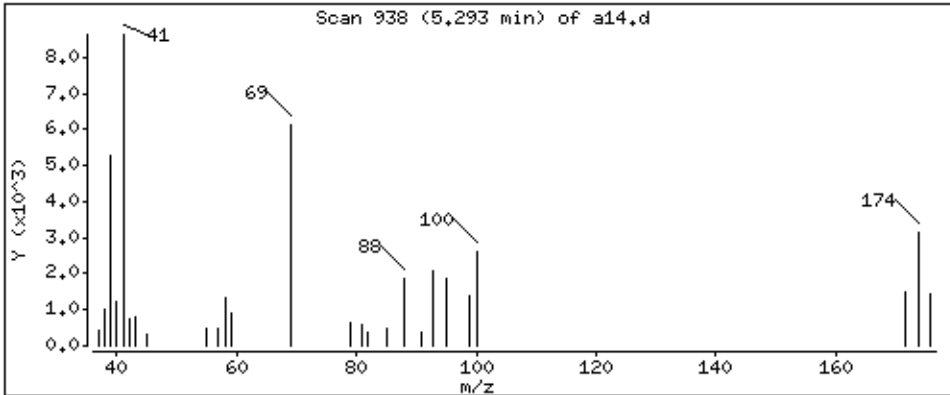
Column phase: DB-624

Column diameter: 0,18

46 1,4-Dioxane

Concentration: 1200 ppb

Review Code:



Date : 03-JUL-2014 17:27

Client ID: THW-6(2-4)MSD

Instrument: 50mv3a.i

Sample Info: 1122067,71089;5

Operator: jlz

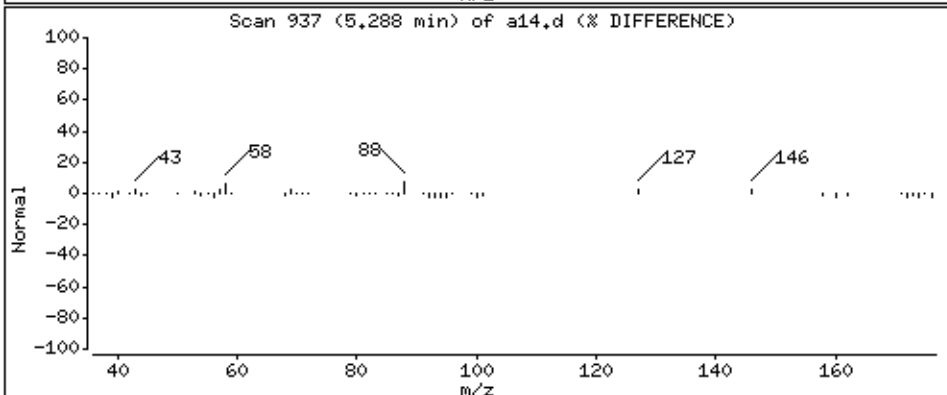
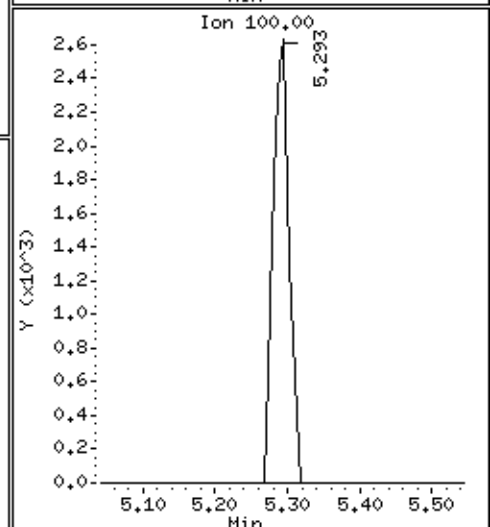
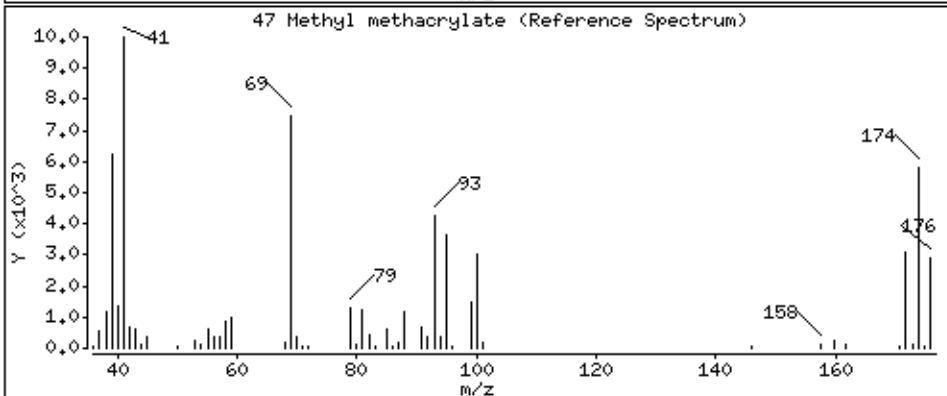
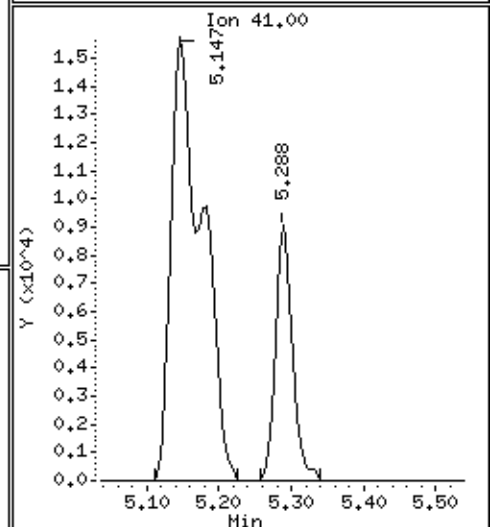
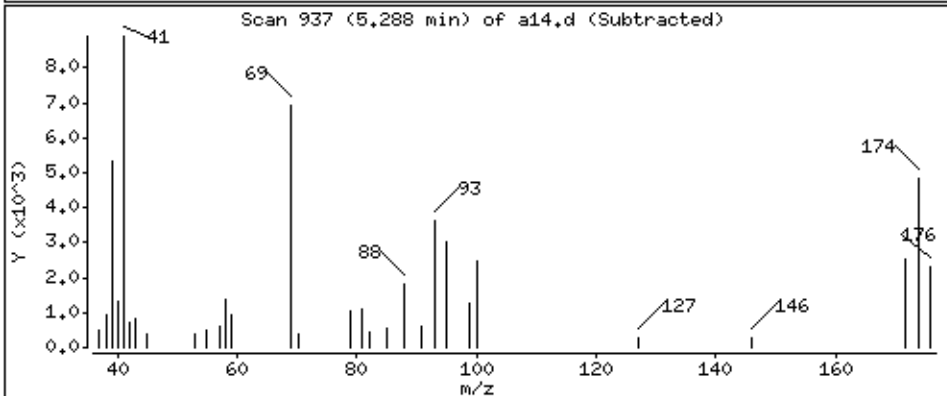
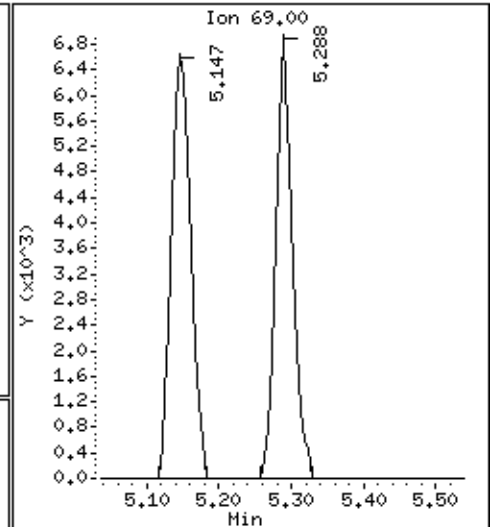
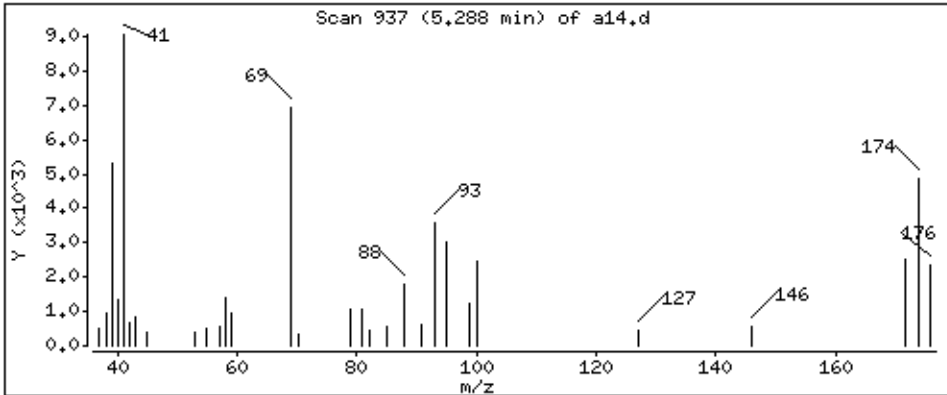
Column phase: DB-624

Column diameter: 0,18

47 Methyl methacrylate

Concentration: 46,0 ppb

Review Code:



Date : 03-JUL-2014 17:27

Client ID: THW-6(2-4)MSD

Instrument: 50mv3a.i

Sample Info: 1122067,71089;5

Operator: jlj

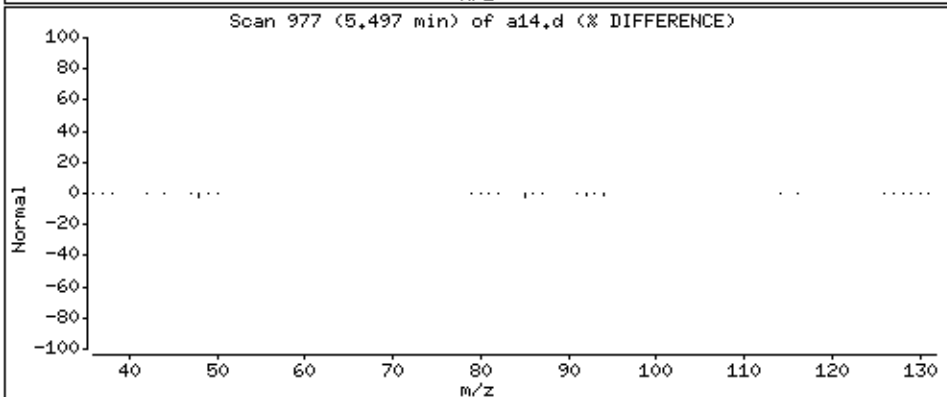
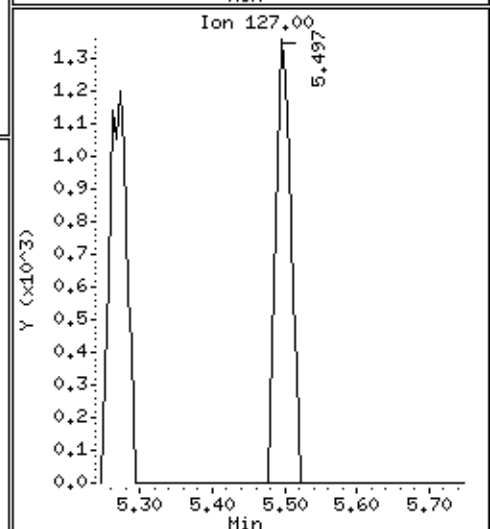
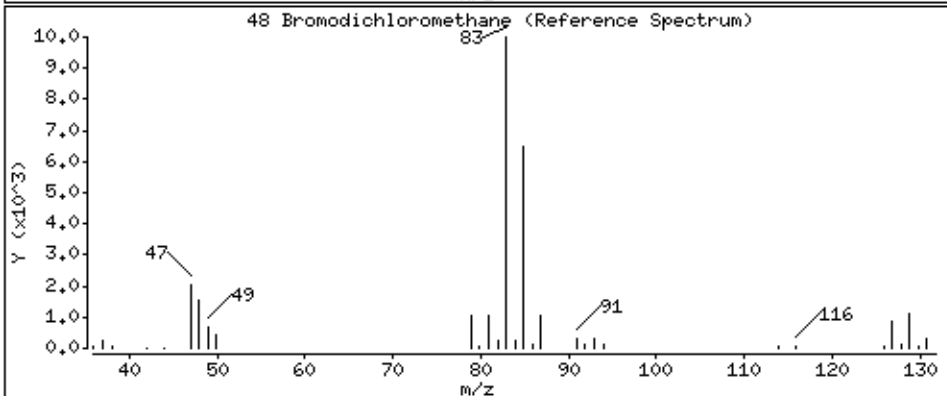
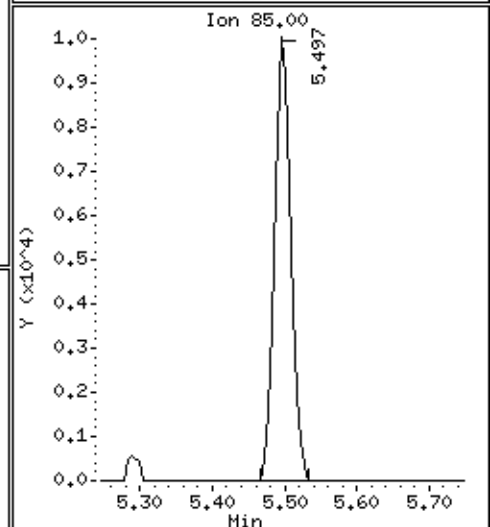
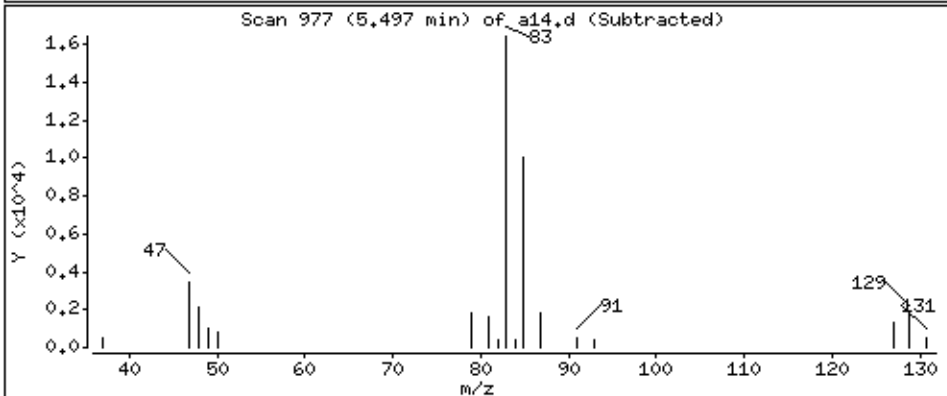
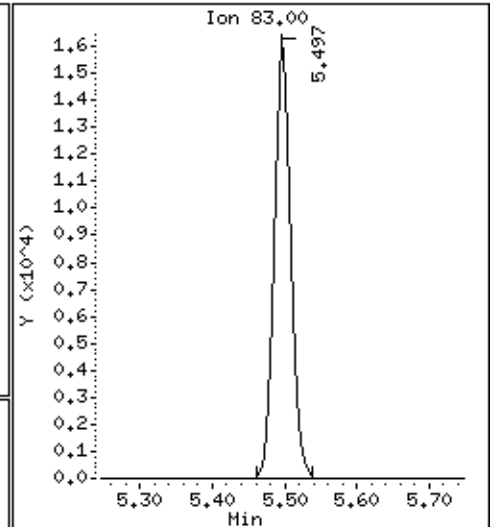
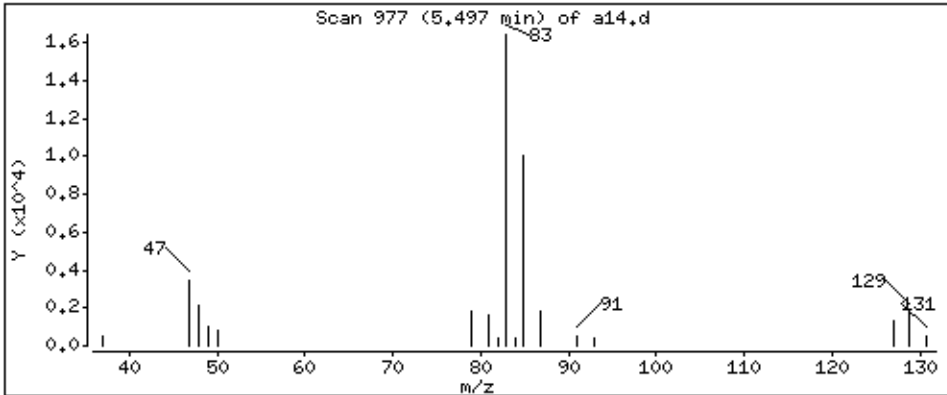
Column phase: DB-624

Column diameter: 0,18

48 Bromodichloromethane

Concentration: 40,4 ppb

Review Code:



Date : 03-JUL-2014 17:27

Client ID: THW-6(2-4)MSD

Instrument: 50mv3a.i

Sample Info: 1122067,71089;5

Operator: jlz

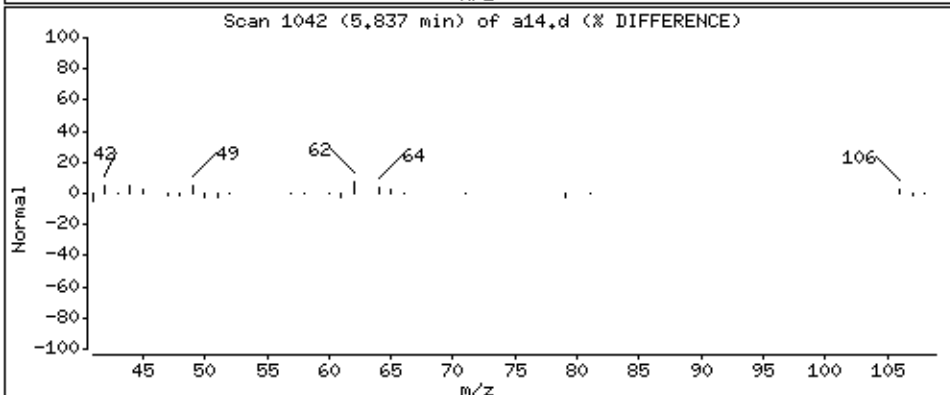
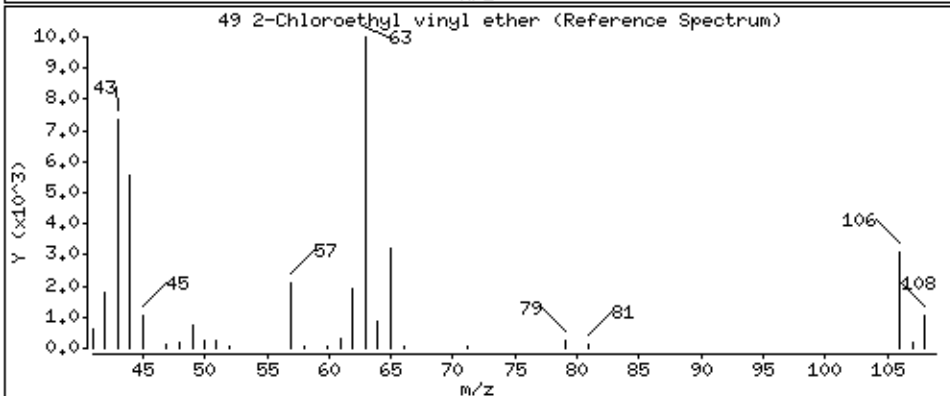
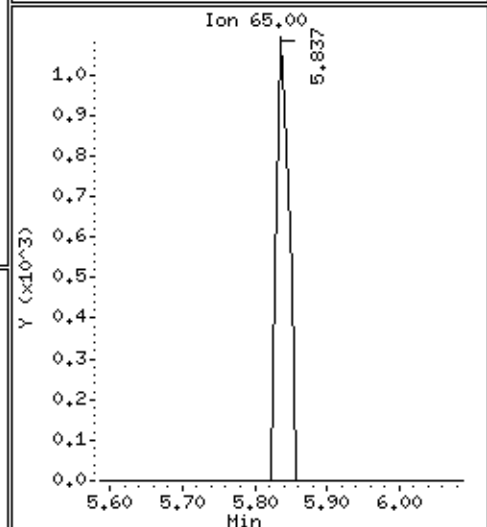
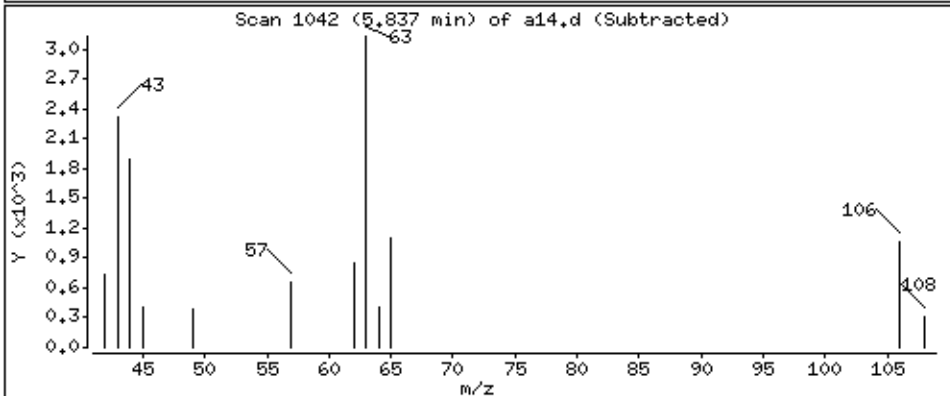
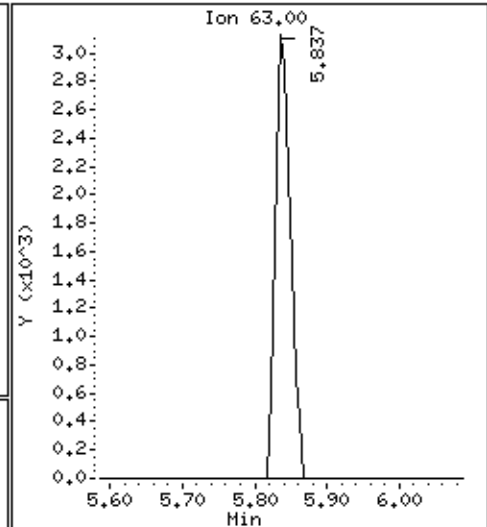
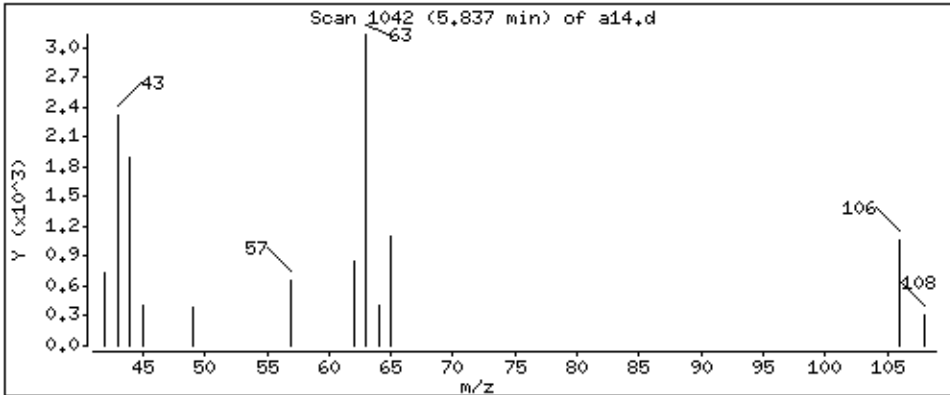
Column phase: DB-624

Column diameter: 0,18

49 2-Chloroethyl vinyl ether

Concentration: 33,6 ppb

Review Code:



Date : 03-JUL-2014 17:27

Client ID: THW-6(2-4)MSD

Instrument: 50mw3a.i

Sample Info: 1122067,71089;5

Operator: jlz

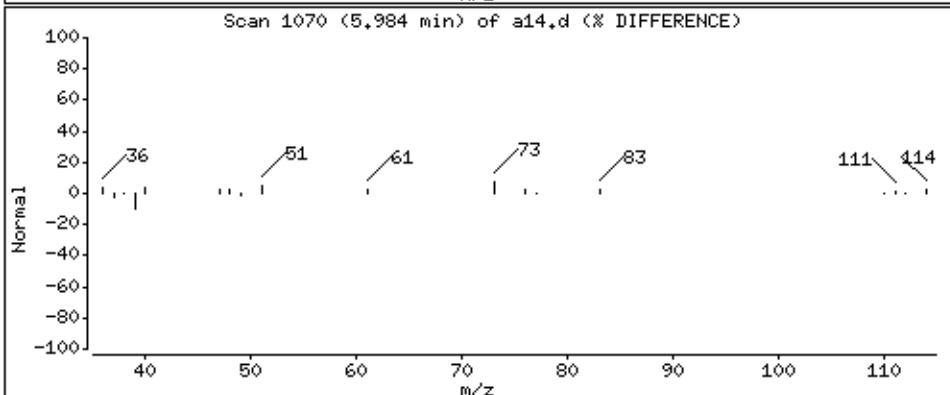
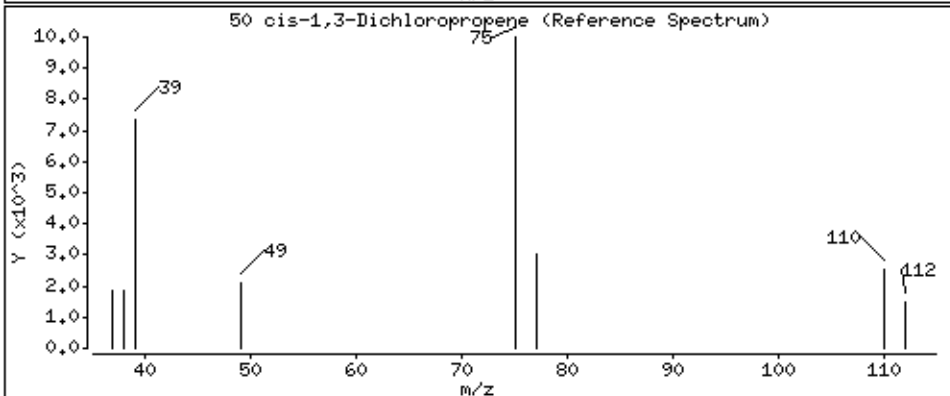
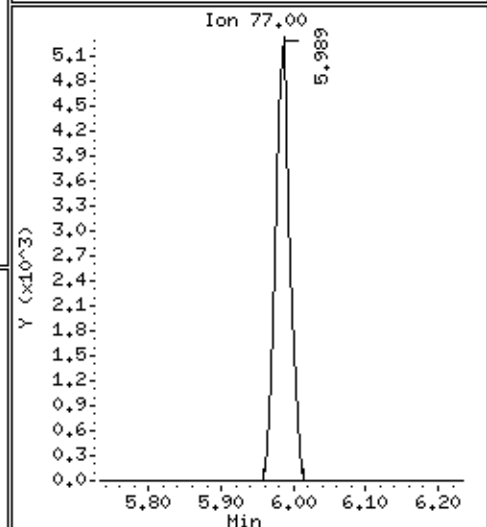
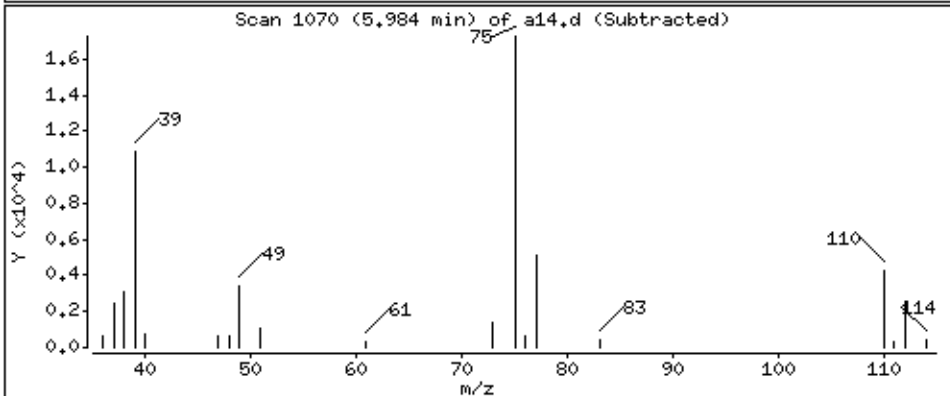
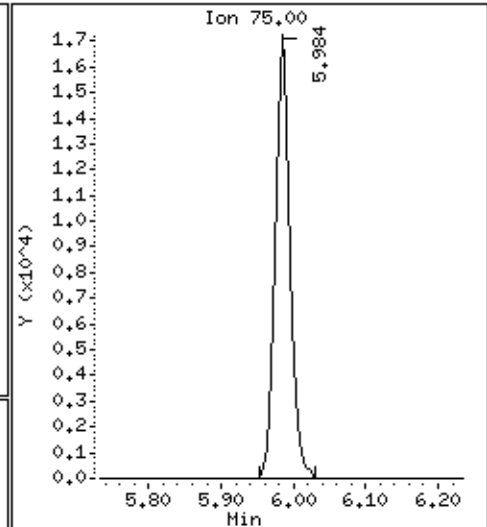
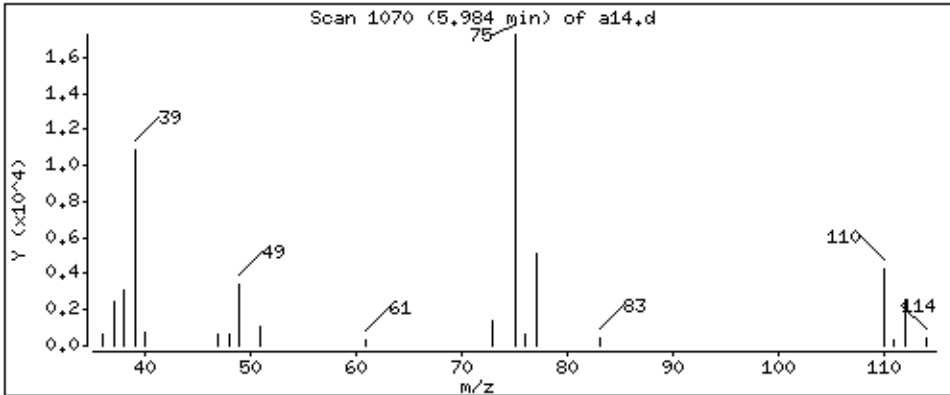
Column phase: DB-624

Column diameter: 0,18

50 cis-1,3-Dichloropropene

Concentration: 32,0 ppb

Review Code:



Date : 03-JUL-2014 17:27

Client ID: THW-6(2-4)MSD

Instrument: 50mw3a.i

Sample Info: 1122067,71089;5

Operator: jlz

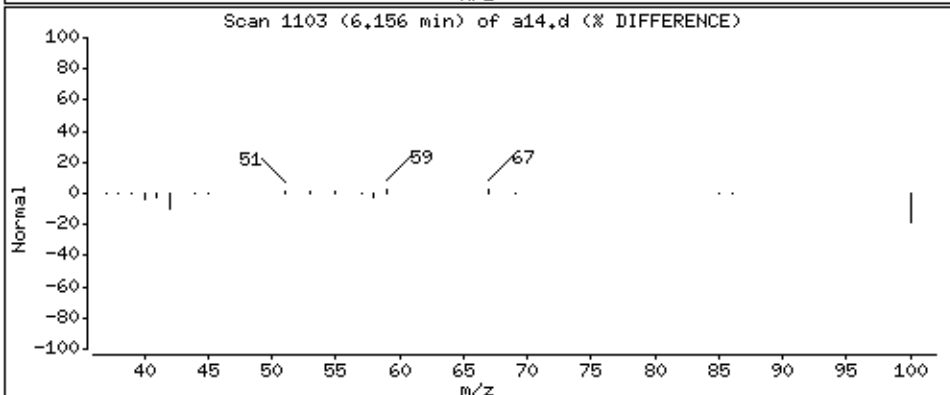
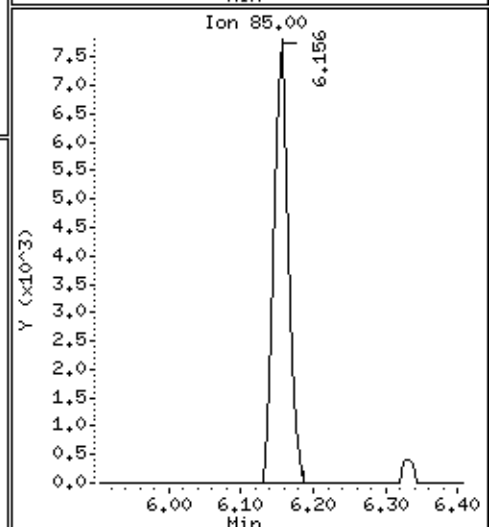
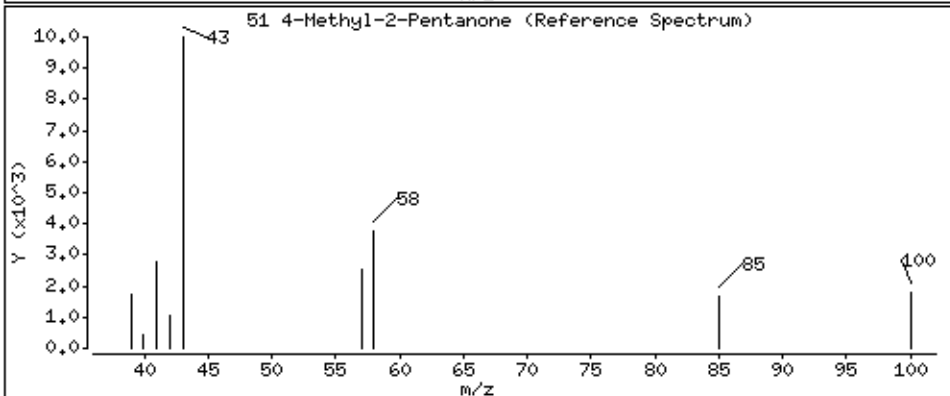
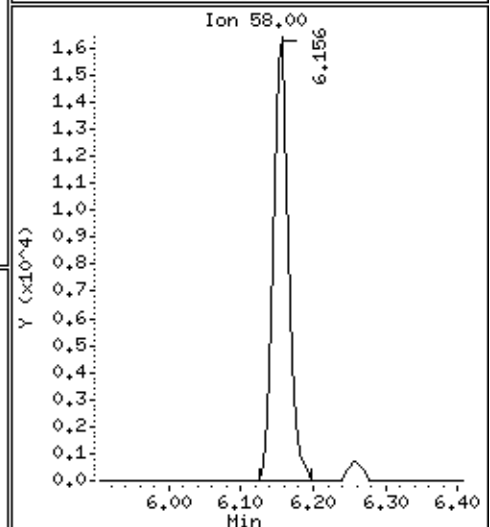
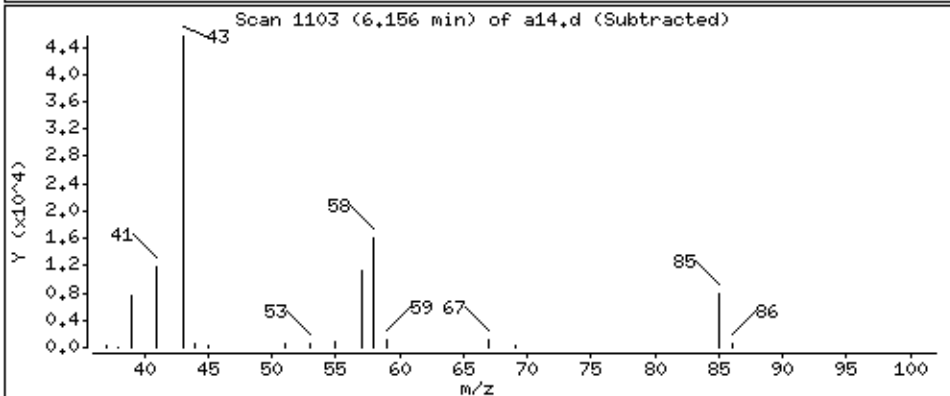
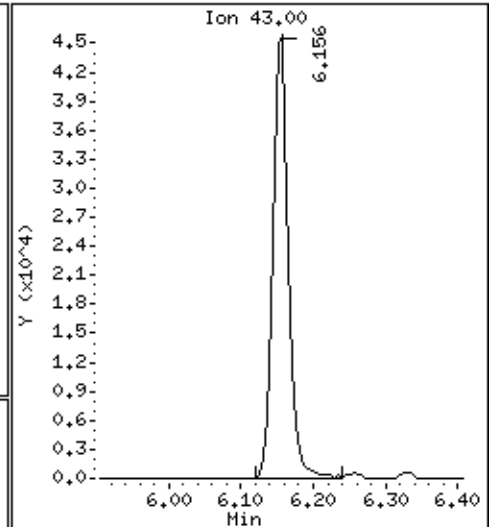
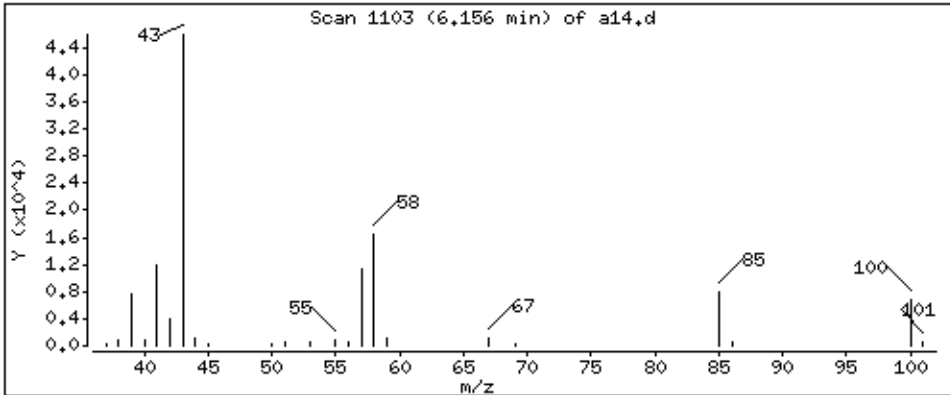
Column phase: DB-624

Column diameter: 0,18

51 4-Methyl-2-Pentanone

Concentration: 209 ppb

Review Code:



Date : 03-JUL-2014 17:27

Client ID: THW-6(2-4)MSD

Instrument: 50mv3a.i

Sample Info: 1122067,71089;5

Operator: jlz

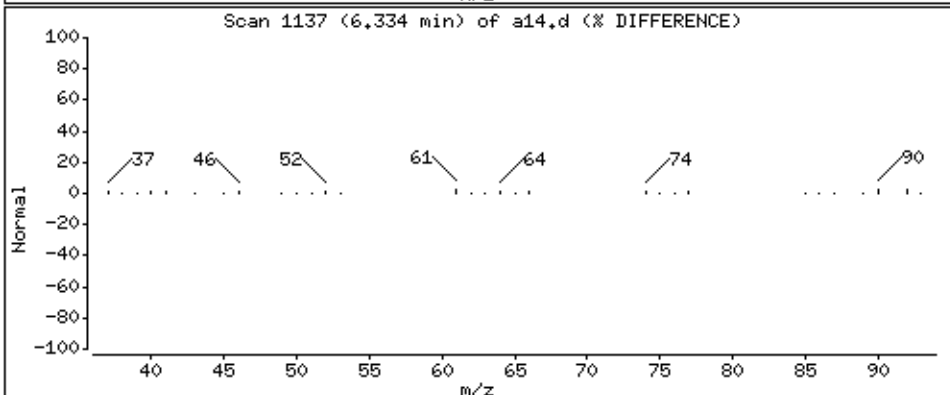
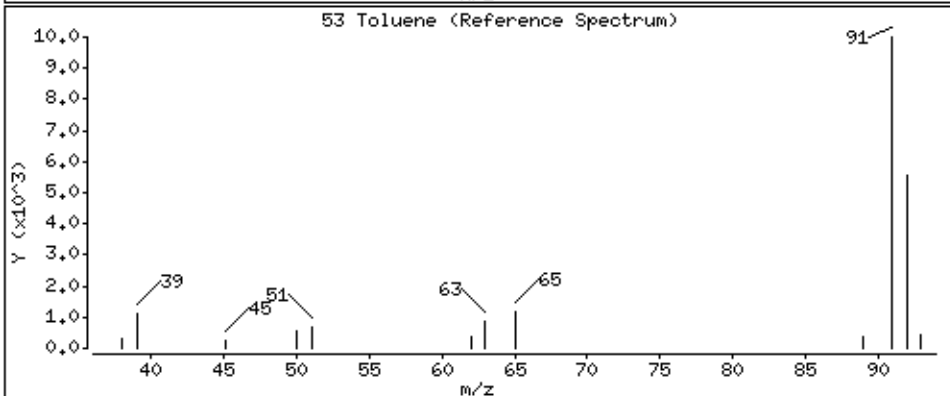
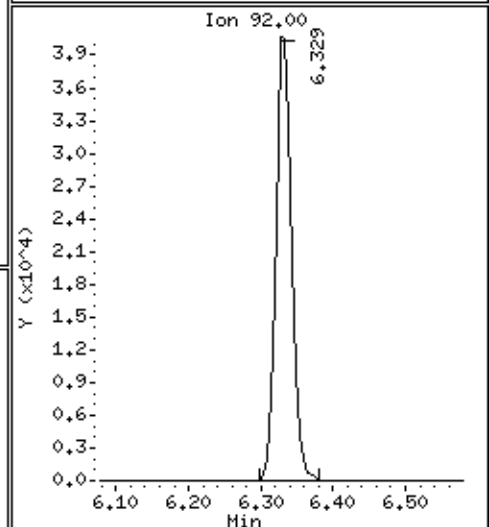
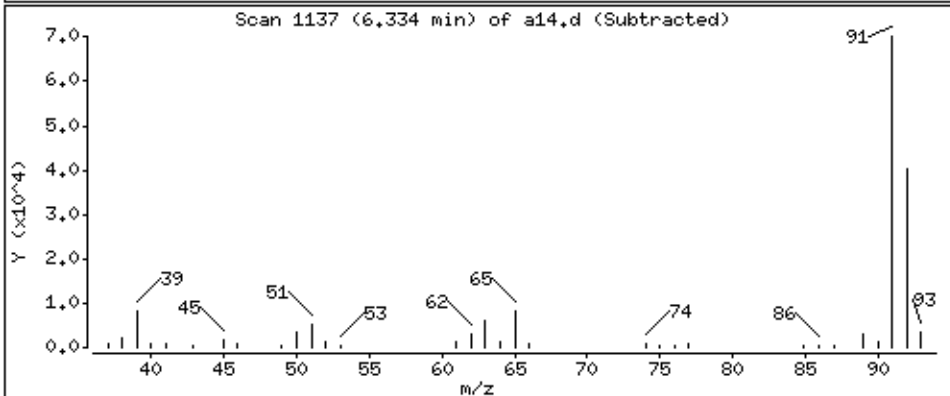
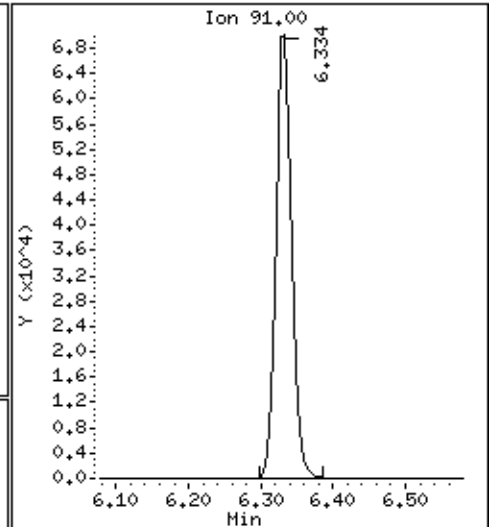
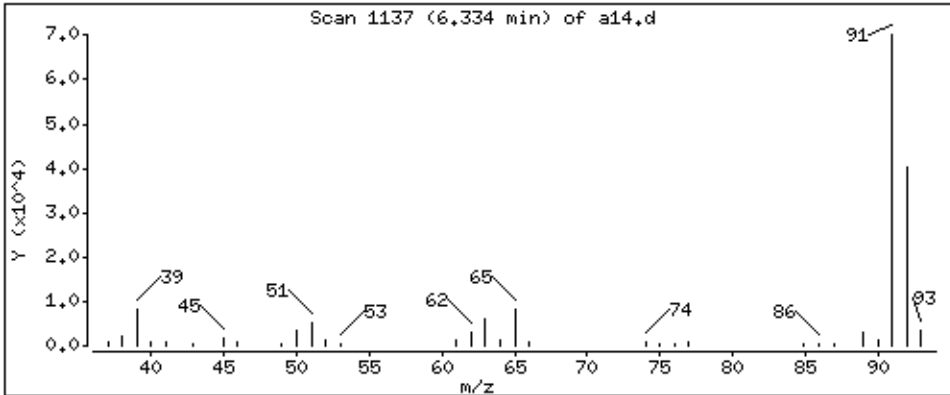
Column phase: DB-624

Column diameter: 0,18

53 Toluene

Concentration: 38,7 ppb

Review Code:



Date : 03-JUL-2014 17:27

Client ID: THW-6(2-4)MSD

Instrument: 50mv3a.i

Sample Info: 1122067,71089;5

Operator: jlz

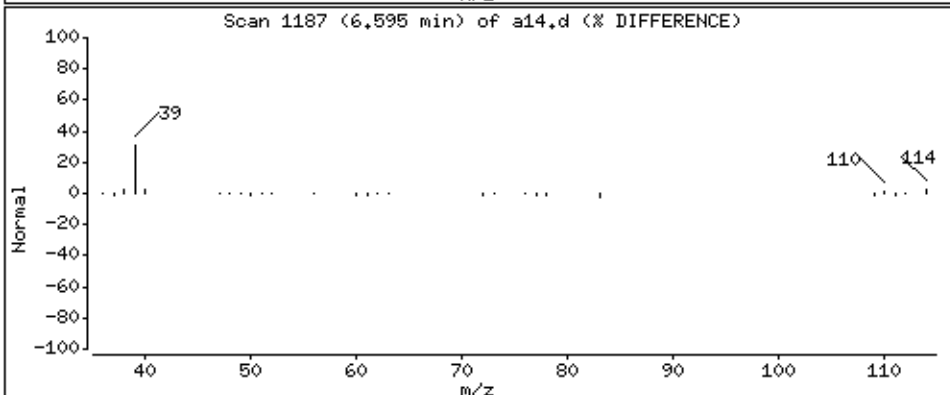
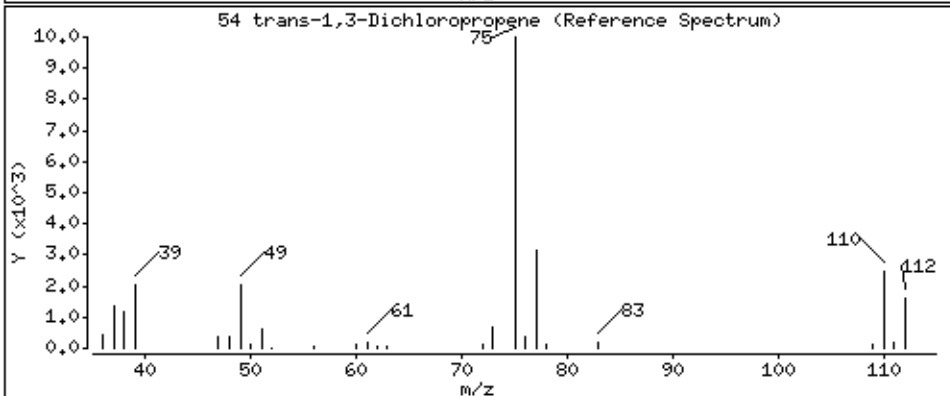
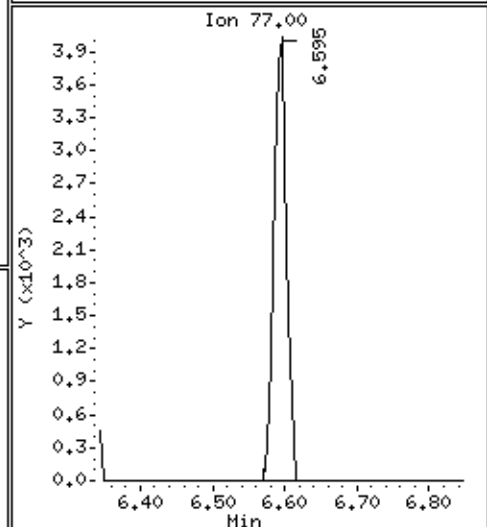
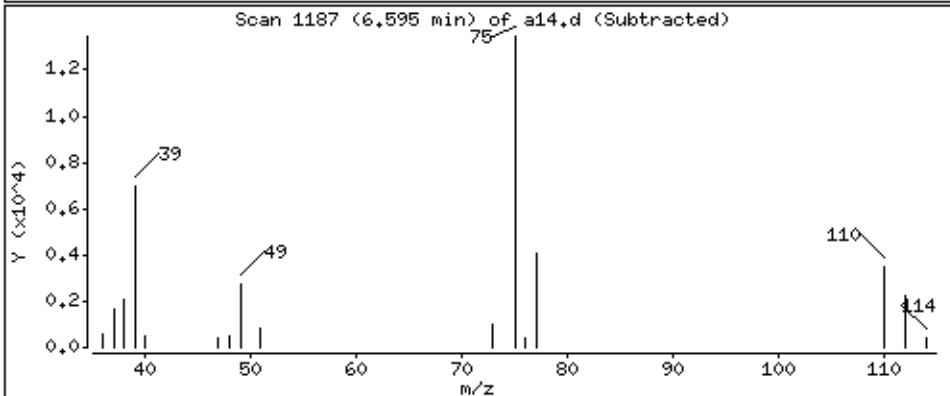
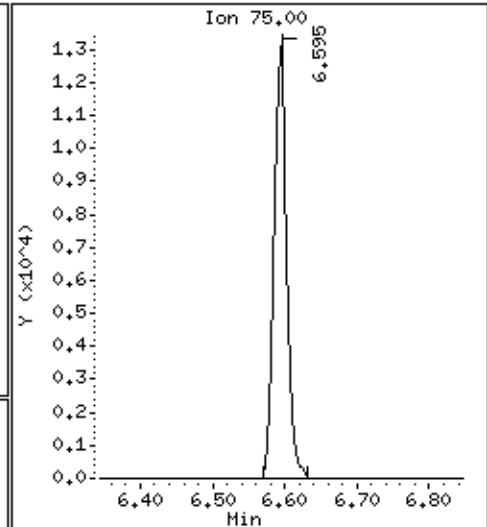
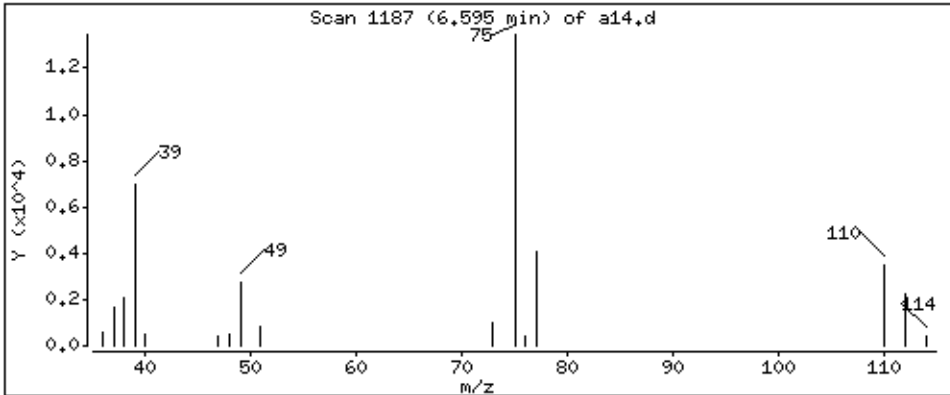
Column phase: DB-624

Column diameter: 0,18

54 trans-1,3-Dichloropropene

Concentration: 29,6 ppb

Review Code:



Date : 03-JUL-2014 17:27

Client ID: THW-6(2-4)MSD

Instrument: 50mv3a.i

Sample Info: 1122067,71089;5

Operator: jlz

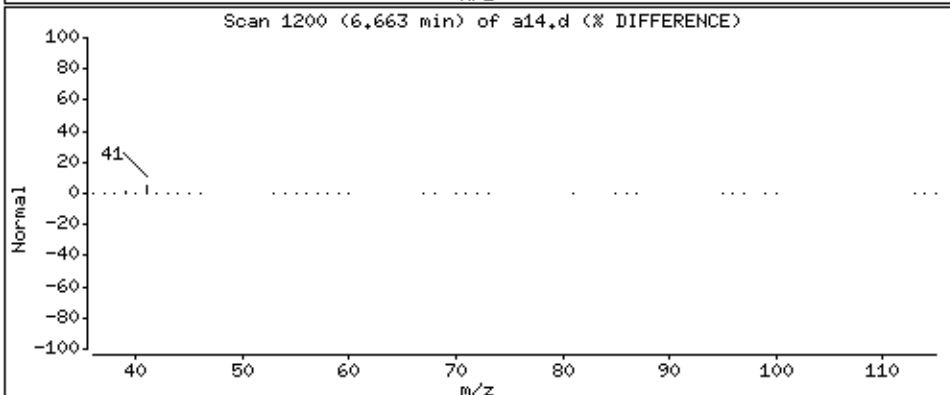
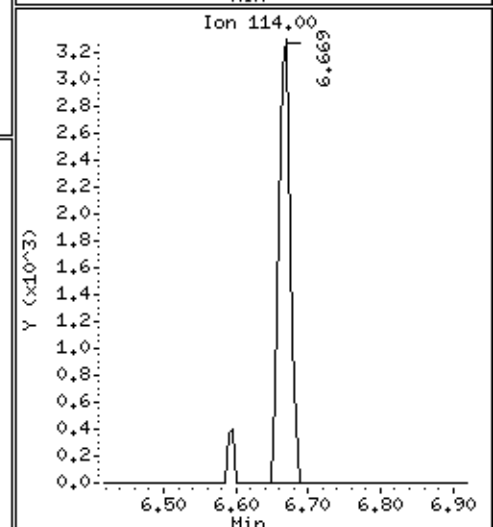
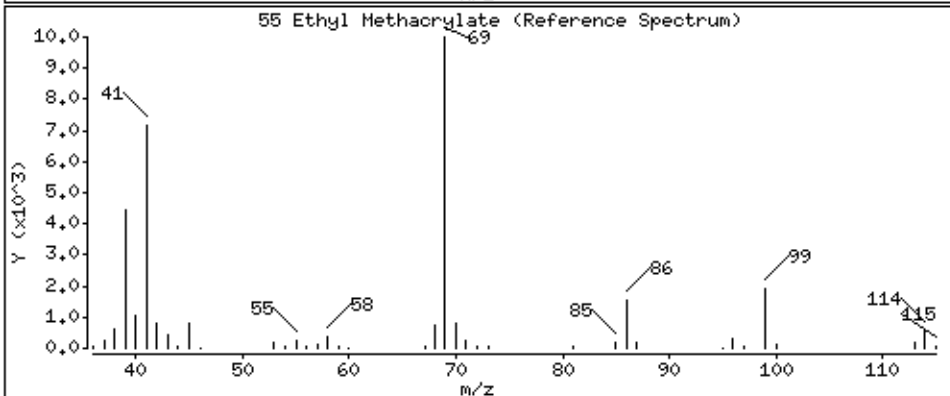
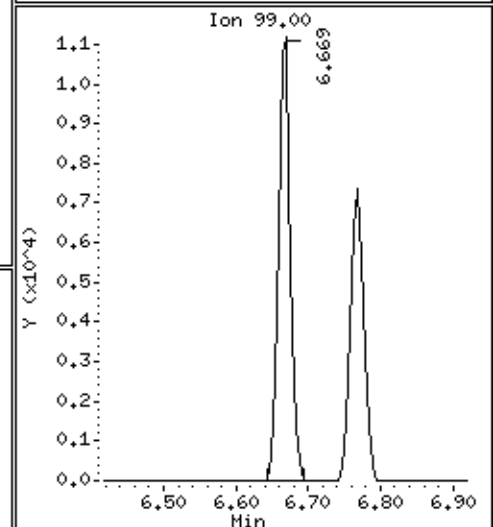
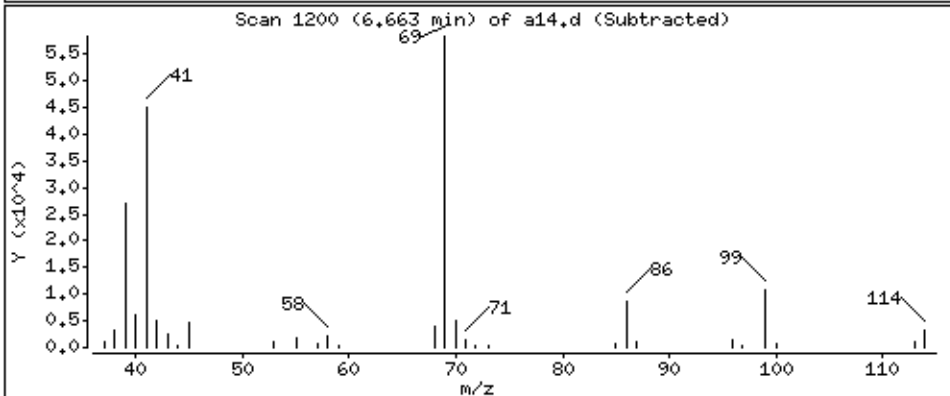
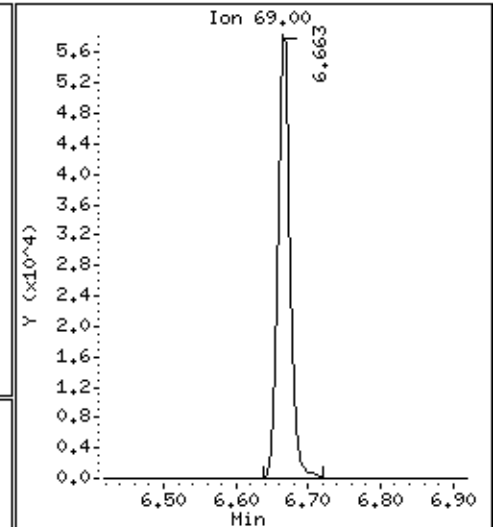
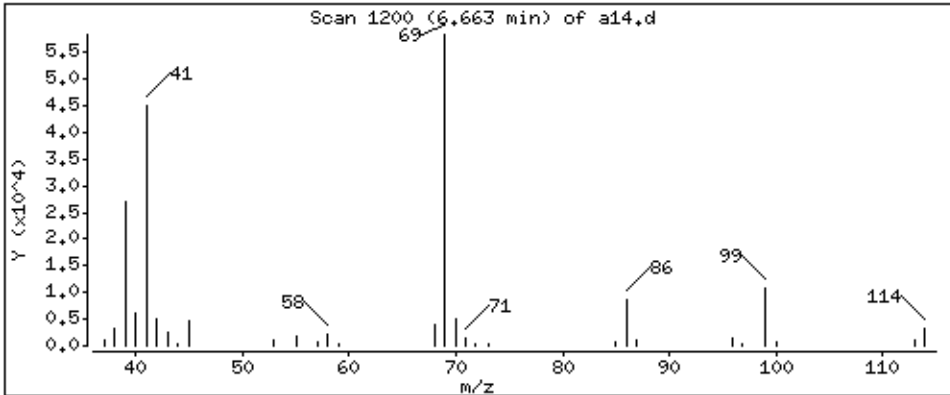
Column phase: DB-624

Column diameter: 0,18

55 Ethyl Methacrylate

Concentration: 124 ppb

Review Code:



Date : 03-JUL-2014 17:27

Client ID: THW-6(2-4)MSD

Instrument: 50mv3a.i

Sample Info: 1122067,71089;5

Operator: jlz

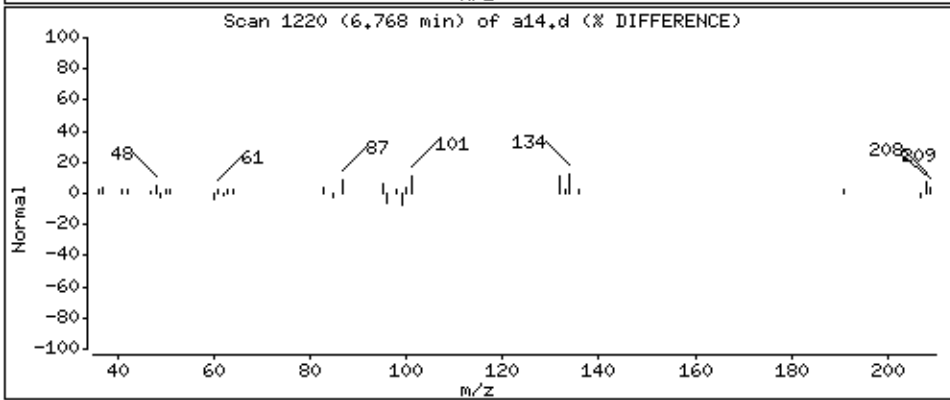
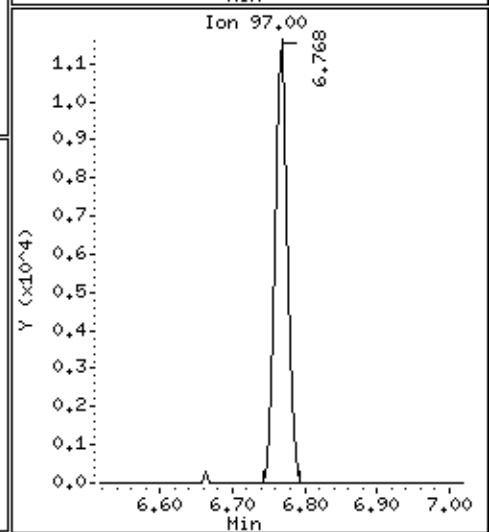
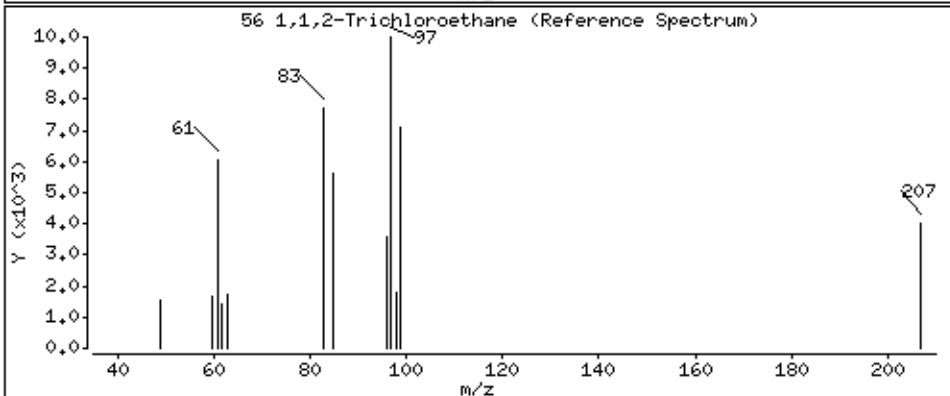
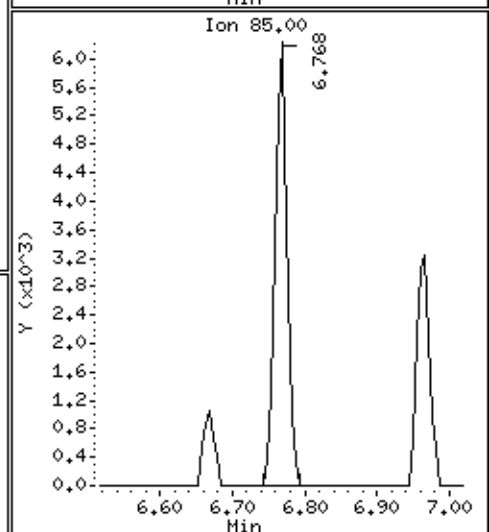
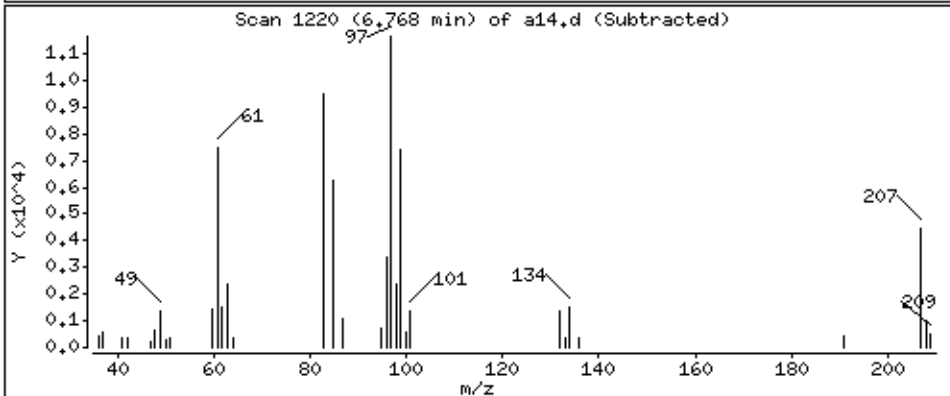
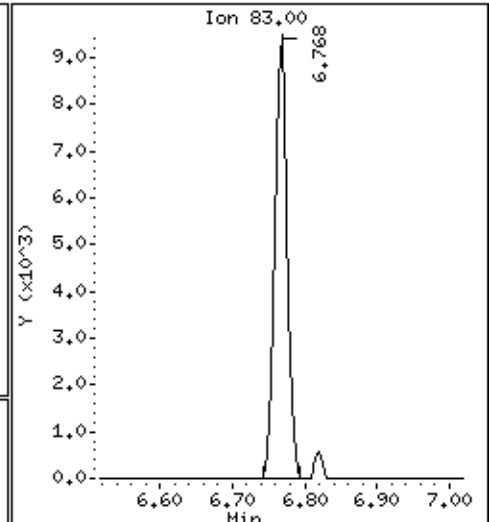
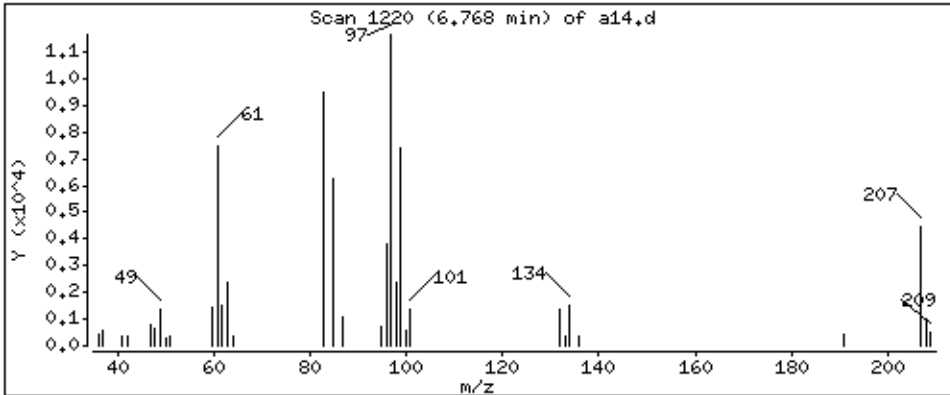
Column phase: DB-624

Column diameter: 0,18

56 1,1,2-Trichloroethane

Concentration: 37,9 ppb

Review Code:



Date : 03-JUL-2014 17:27

Client ID: THW-6(2-4)MSD

Instrument: 50mv3a.i

Sample Info: 1122067,71089;5

Operator: jlz

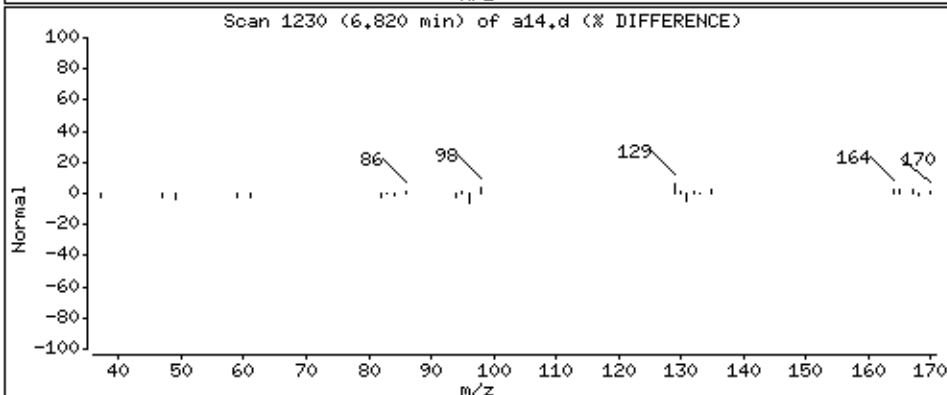
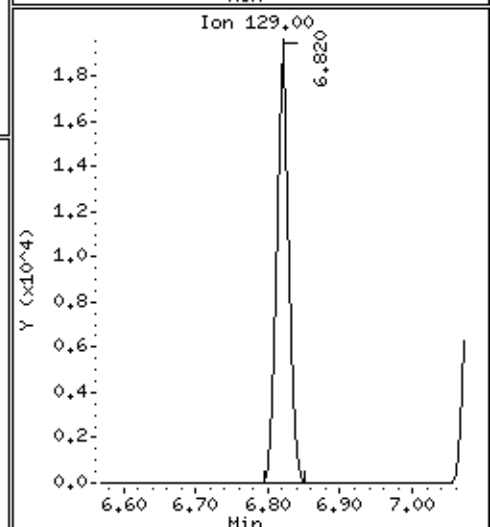
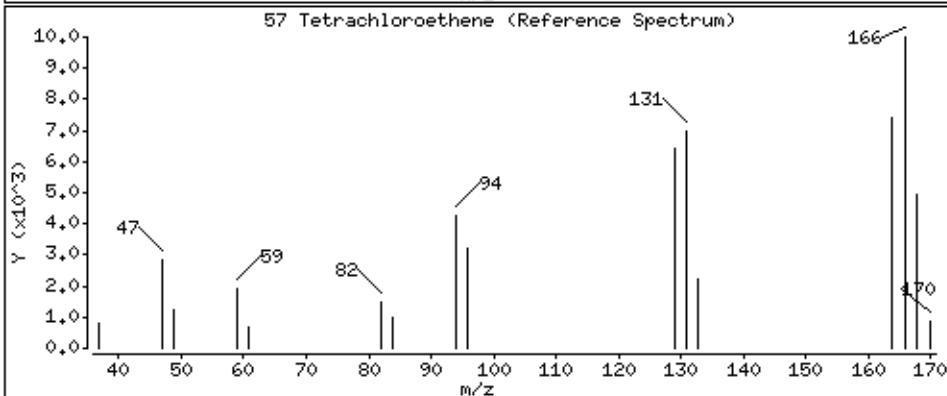
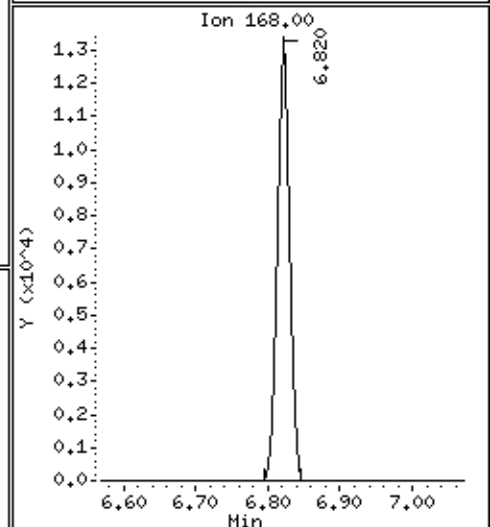
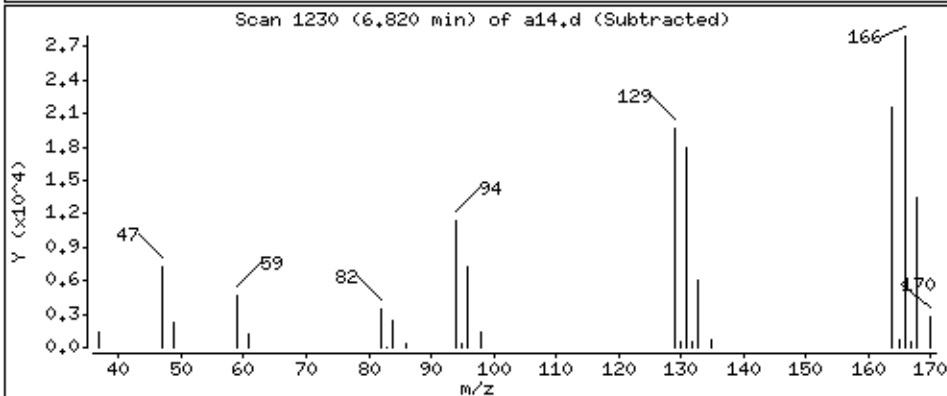
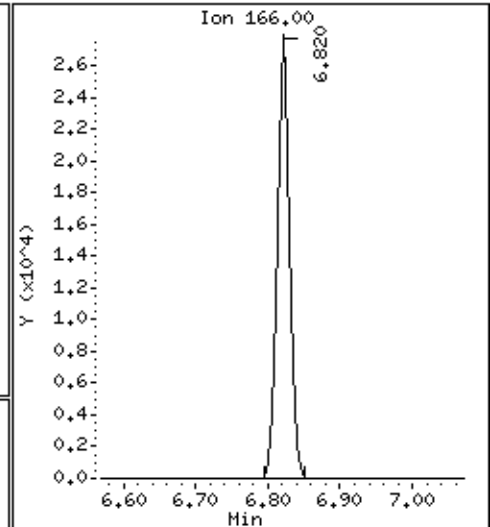
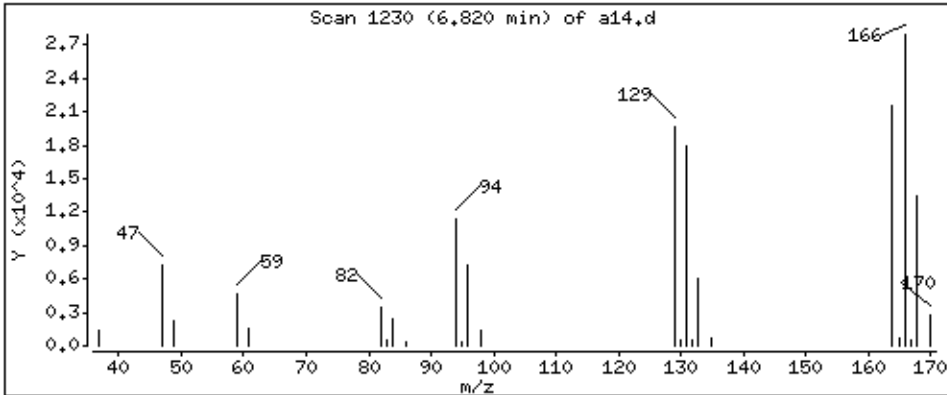
Column phase: DB-624

Column diameter: 0,18

57 Tetrachloroethene

Concentration: 43,0 ppb

Review Code:



Date : 03-JUL-2014 17:27

Client ID: THW-6(2-4)MSD

Instrument: 50mv3a.i

Sample Info: 1122067,71089;5

Operator: jlz

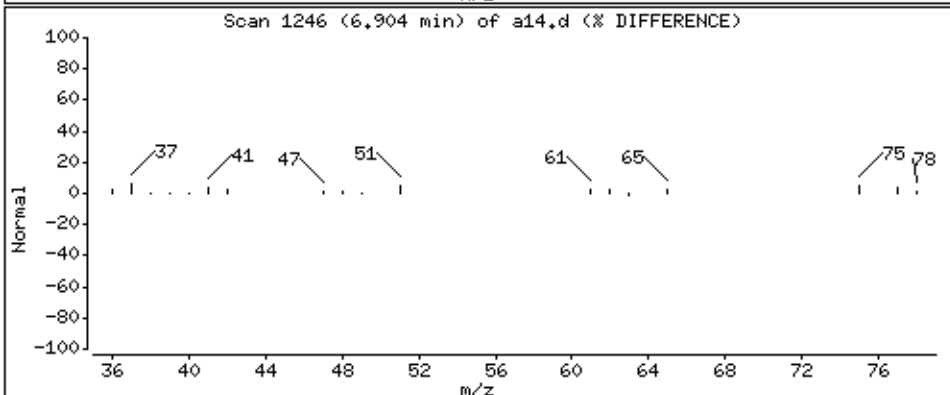
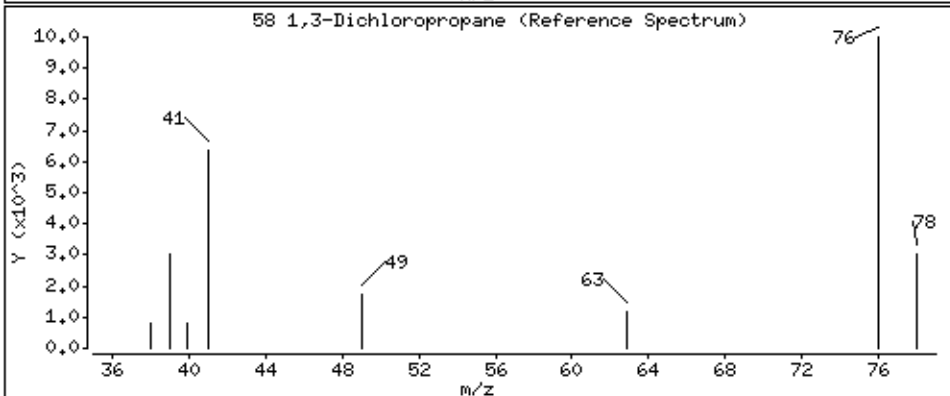
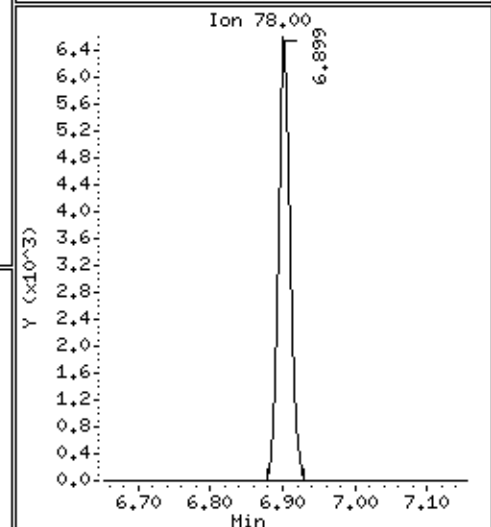
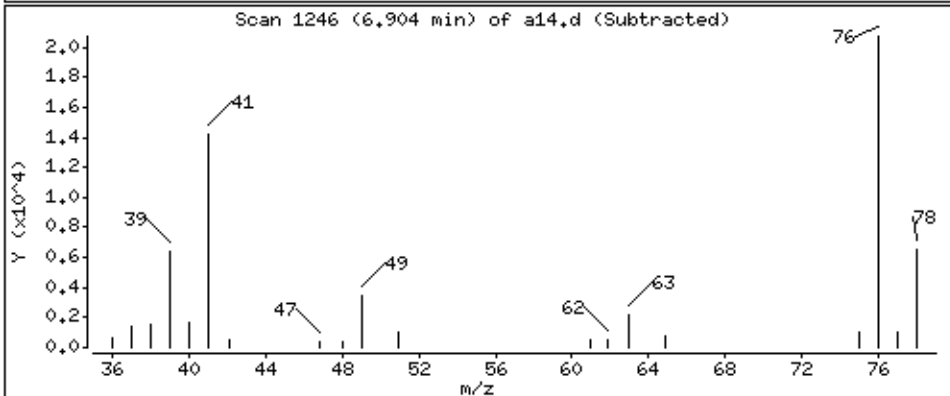
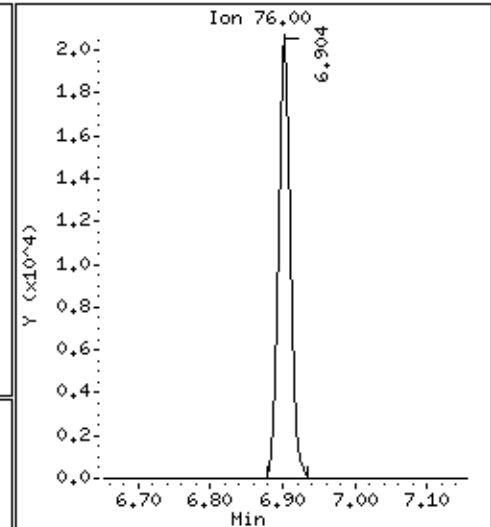
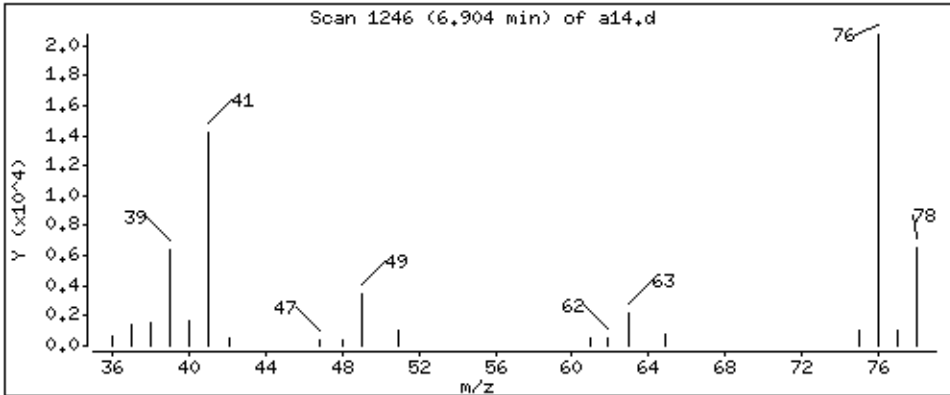
Column phase: DB-624

Column diameter: 0,18

58 1,3-Dichloropropane

Concentration: 35,5 ppb

Review Code:



Date : 03-JUL-2014 17:27

Client ID: THW-6(2-4)MSD

Instrument: 50mv3a.i

Sample Info: 1122067,71089;5

Operator: jlz

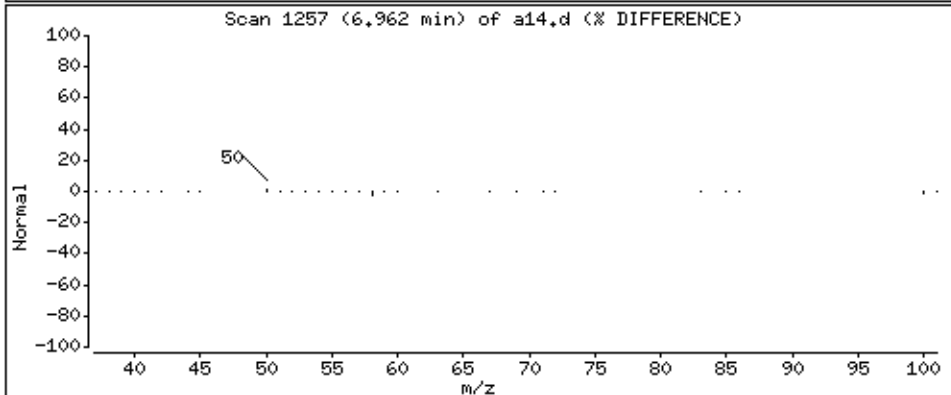
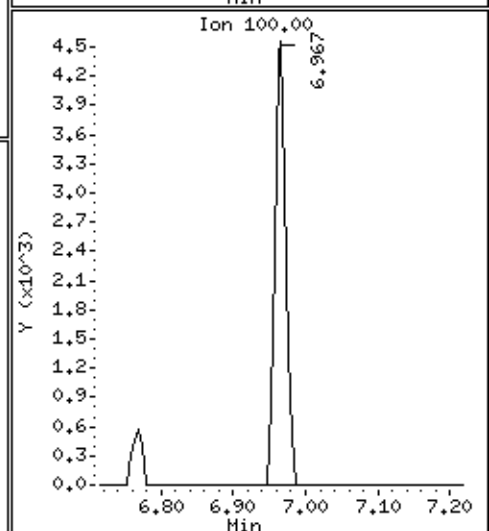
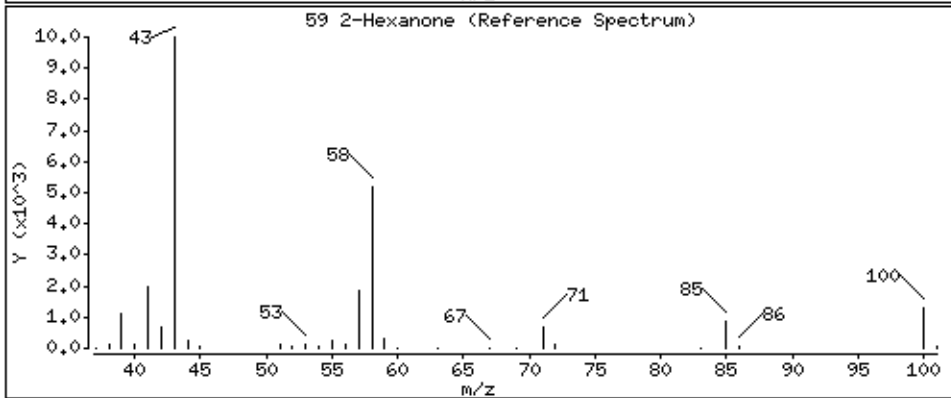
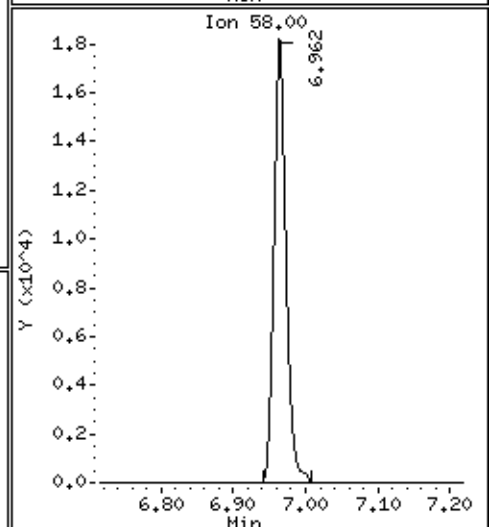
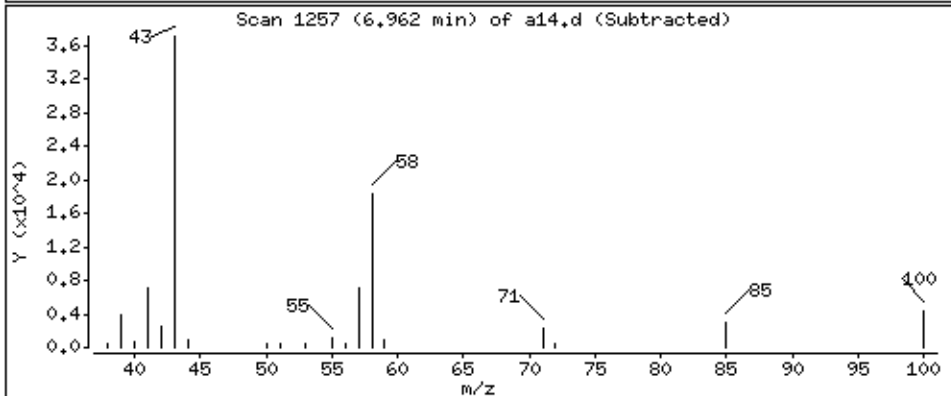
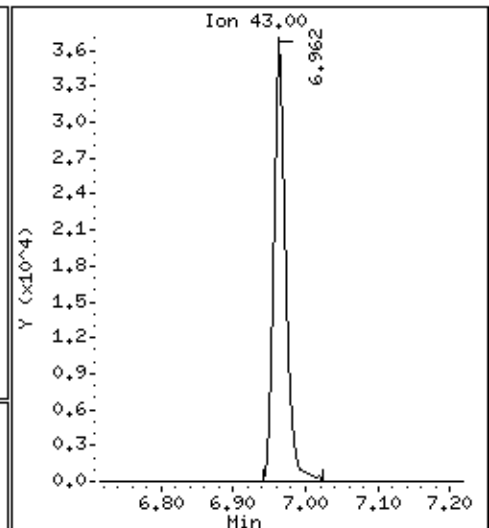
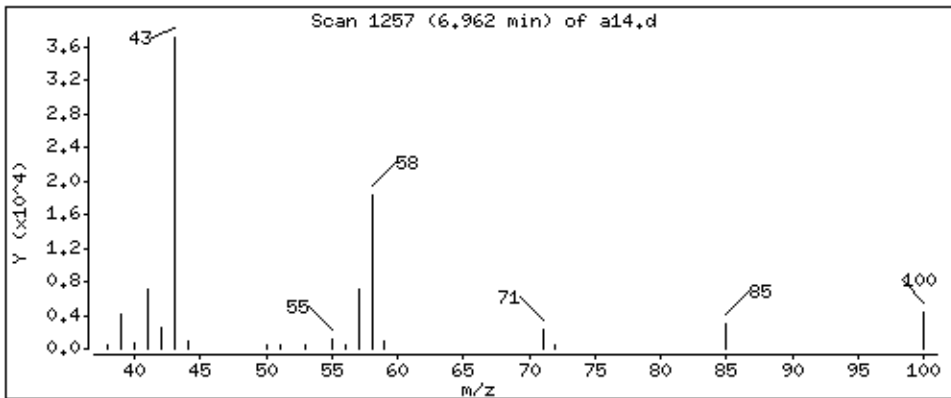
Column phase: DB-624

Column diameter: 0,18

59 2-Hexanone

Concentration: 196 ppb

Review Code:



Date : 03-JUL-2014 17:27

Client ID: THW-6(2-4)MSD

Instrument: 50mv3a.i

Sample Info: 1122067,71089;5

Operator: jlz

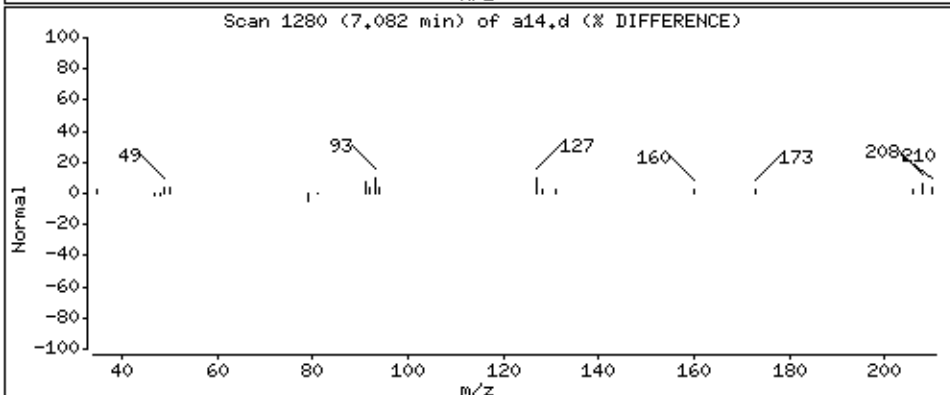
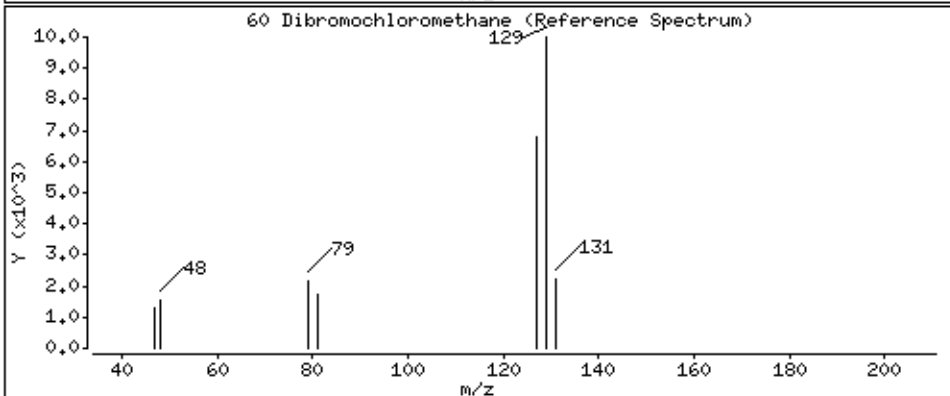
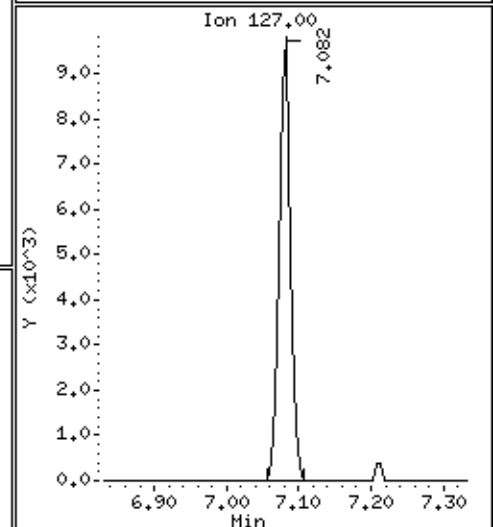
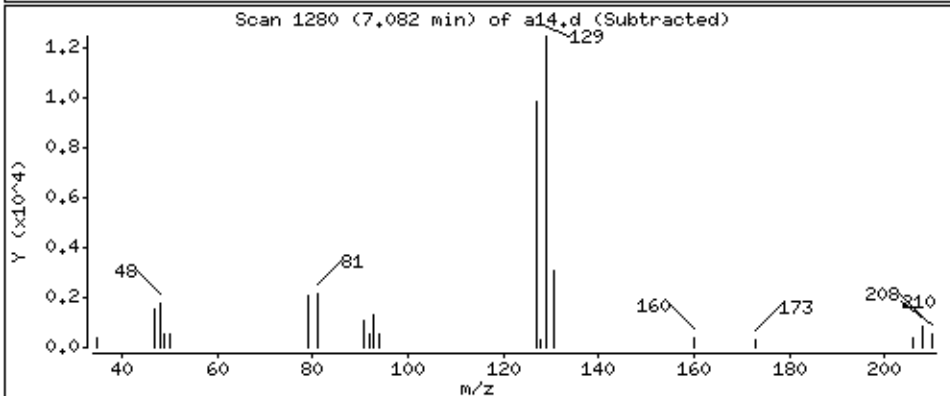
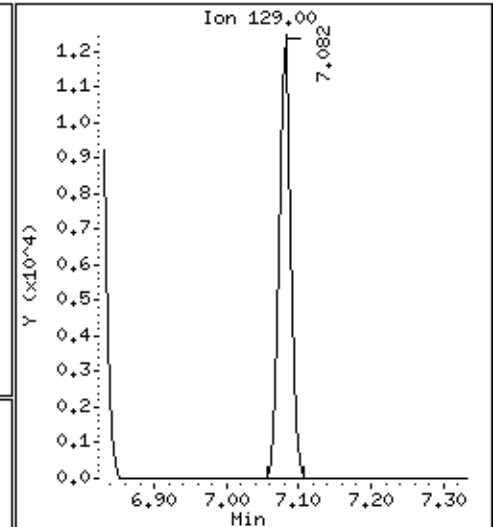
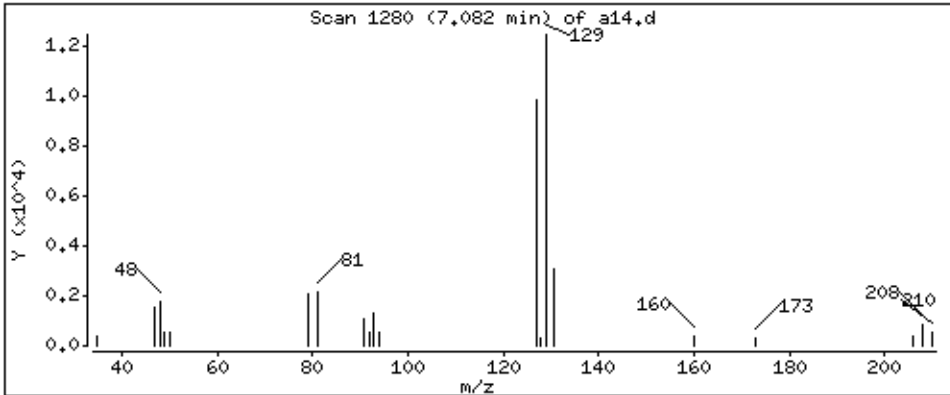
Column phase: DB-624

Column diameter: 0,18

60 Dibromochloromethane

Concentration: 32.2 ppb

Review Code:



Date : 03-JUL-2014 17:27

Client ID: THW-6(2-4)MSD

Instrument: 50mv3a.i

Sample Info: 1122067,71089;5

Operator: jlj

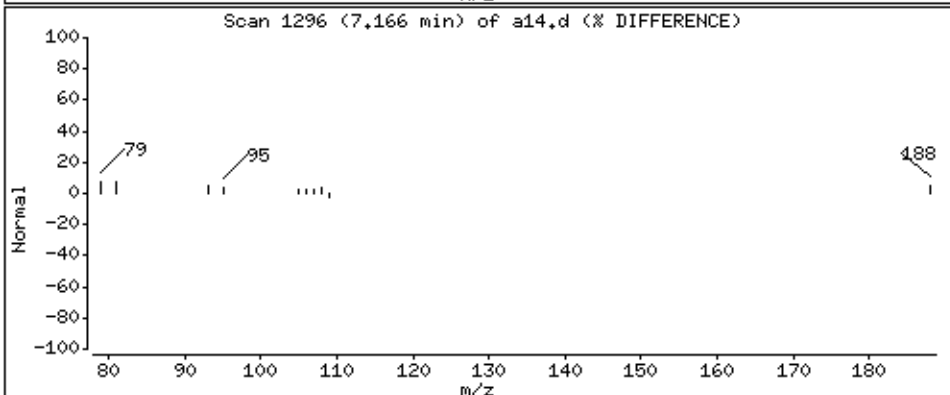
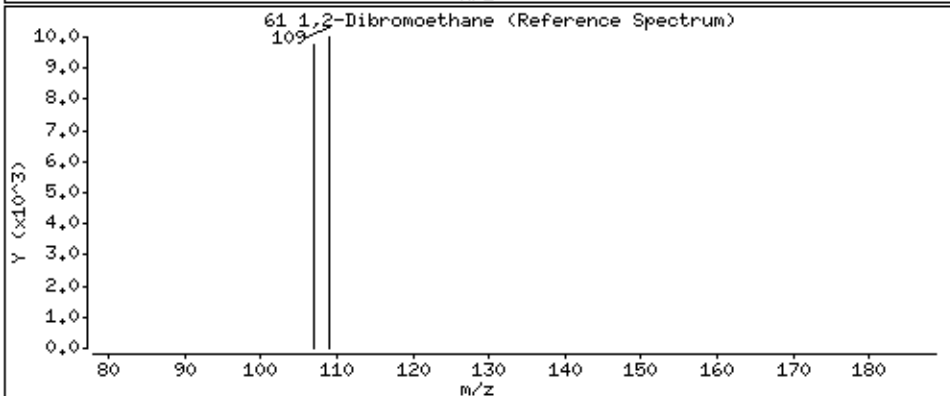
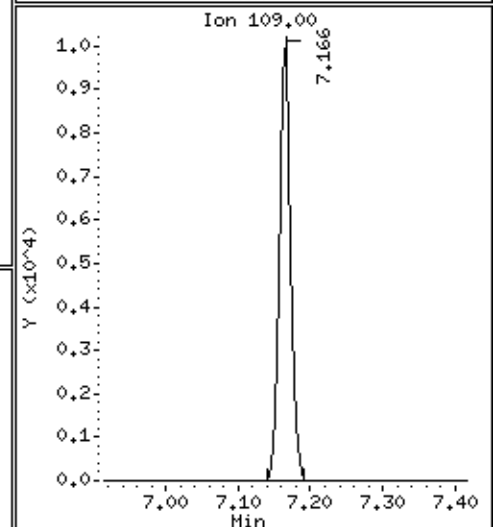
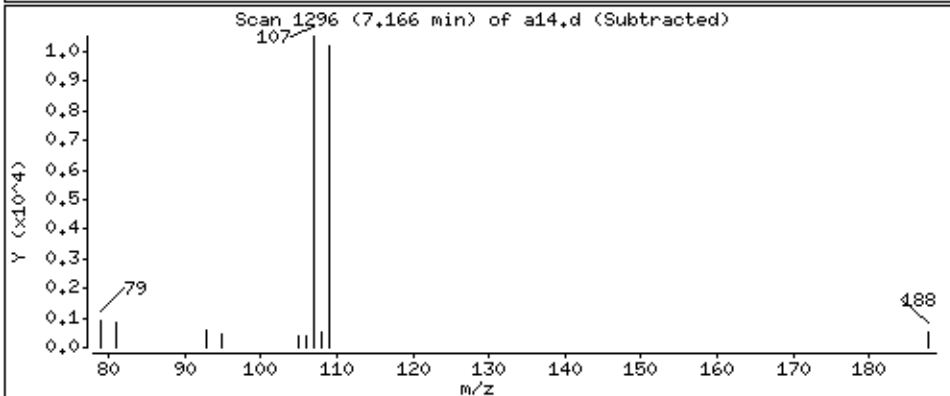
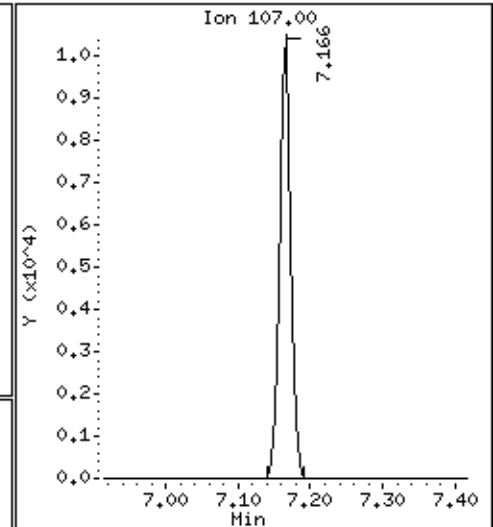
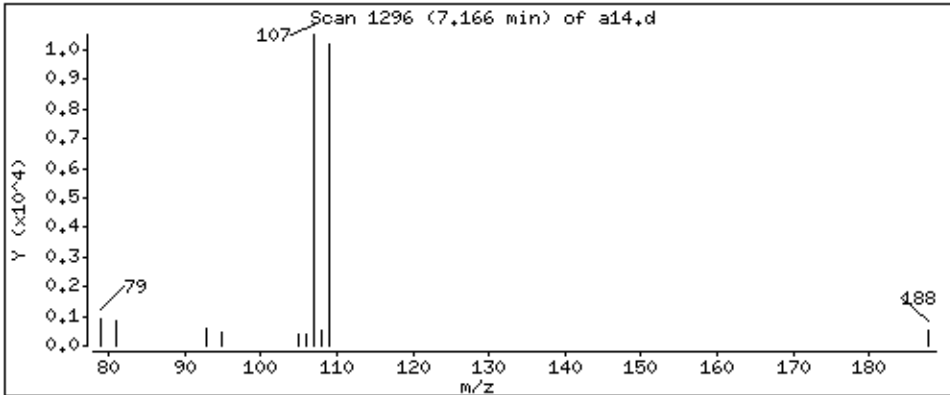
Column phase: DB-624

Column diameter: 0,18

61 1,2-Dibromoethane

Concentration: 35,4 ppb

Review Code:



Date : 03-JUL-2014 17:27

Client ID: THW-6(2-4)MSD

Instrument: 50mv3a.i

Sample Info: 1122067,71089;5

Operator: jlz

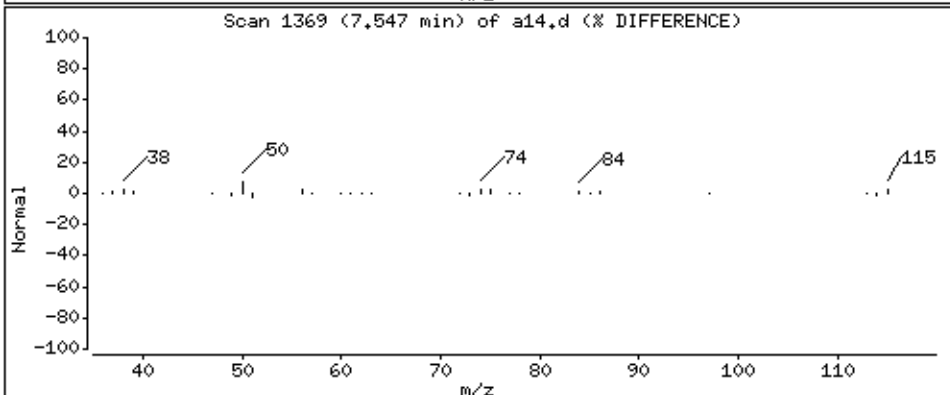
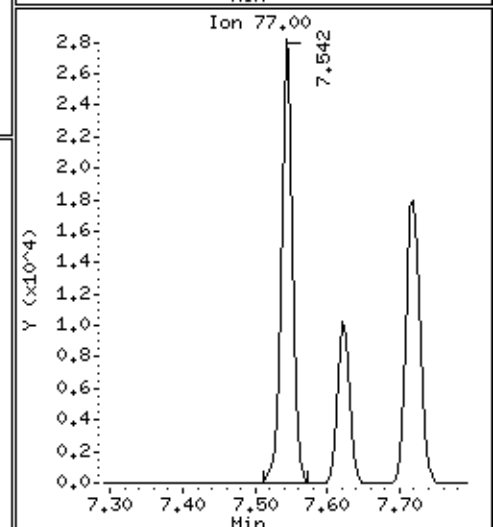
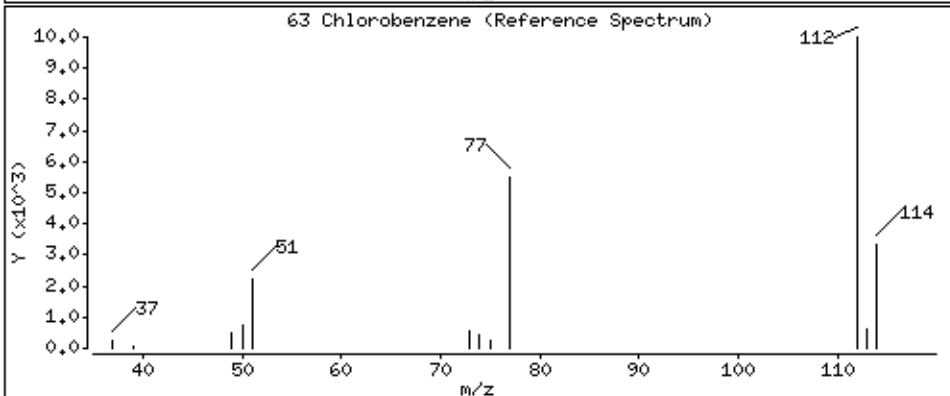
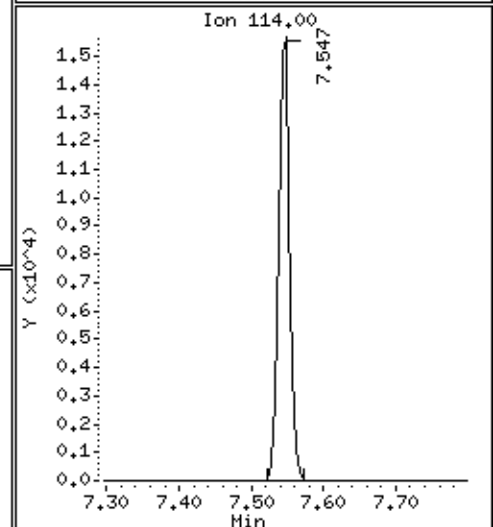
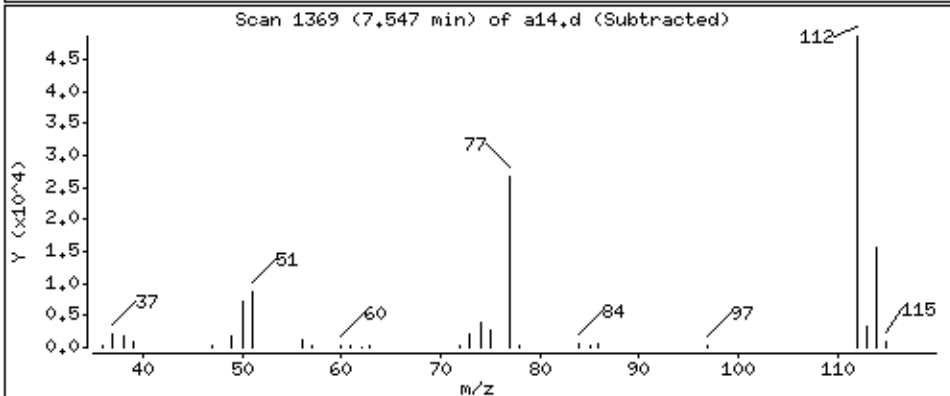
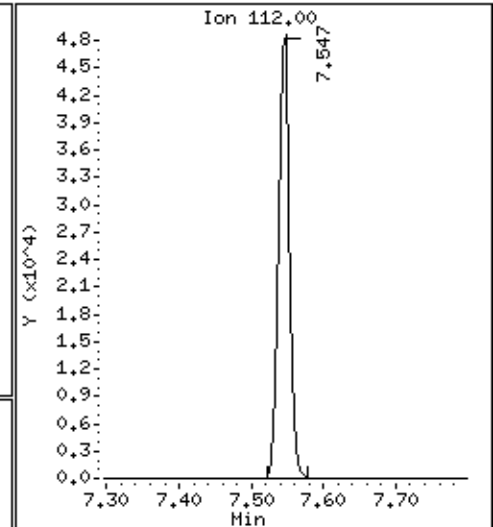
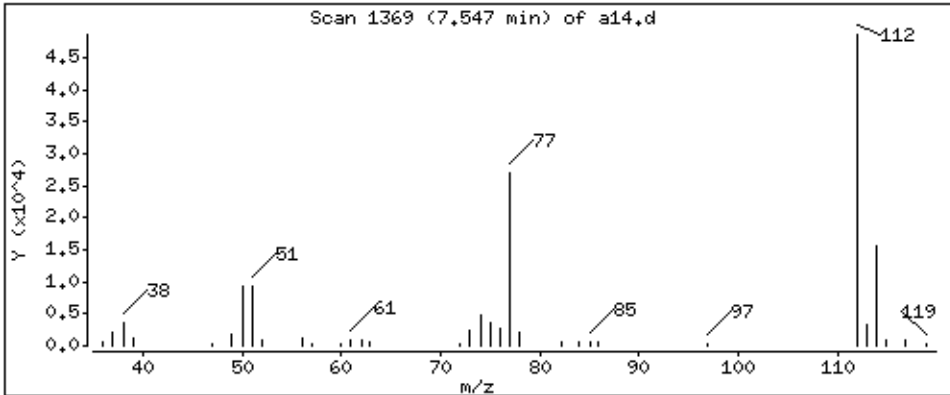
Column phase: DB-624

Column diameter: 0,18

63 Chlorobenzene

Concentration: 30,8 ppb

Review Code:



Date : 03-JUL-2014 17:27

Client ID: THW-6(2-4)MSD

Instrument: 50mv3a.i

Sample Info: 1122067,71089;5

Operator: jlz

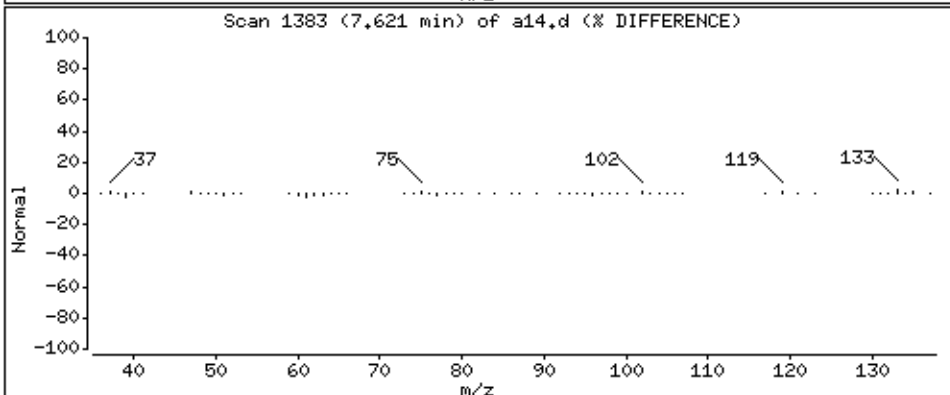
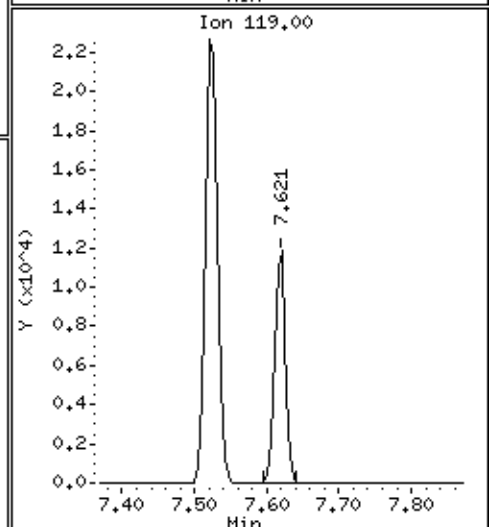
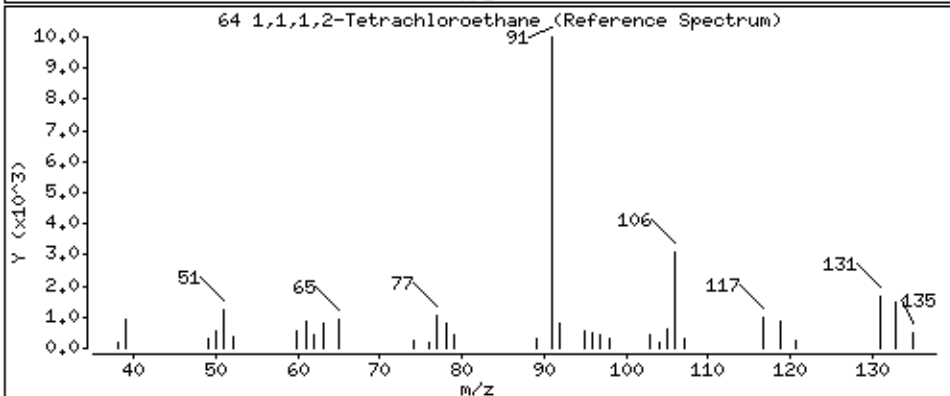
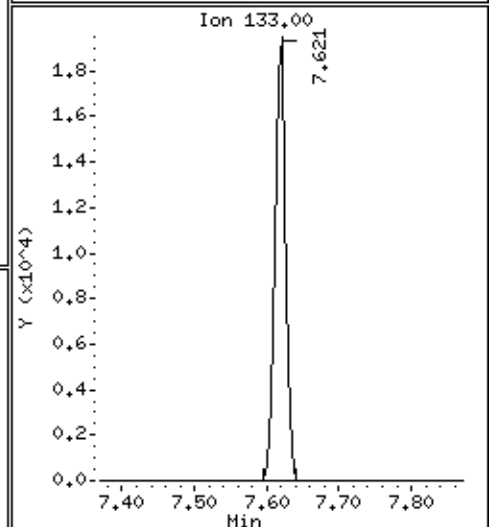
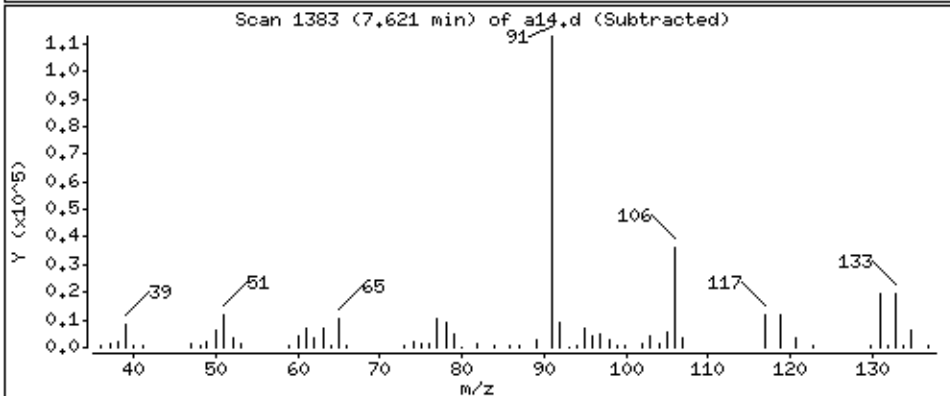
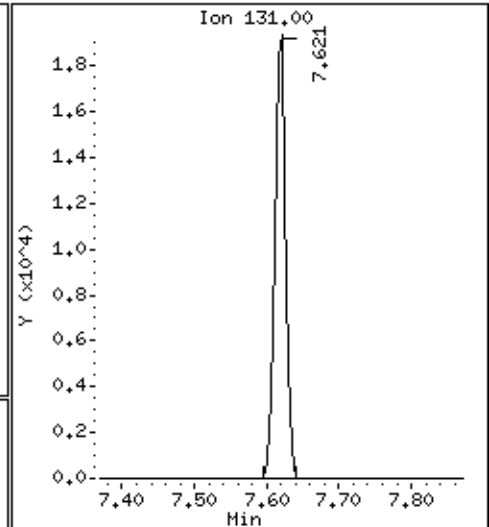
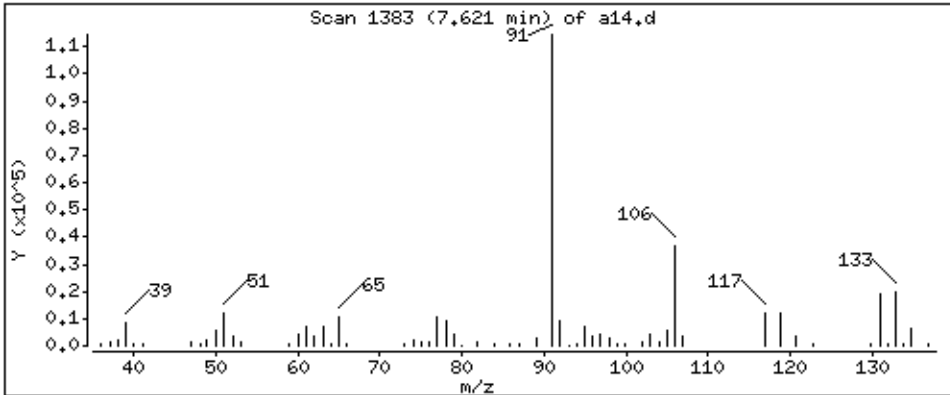
Column phase: DB-624

Column diameter: 0,18

64 1,1,1,2-Tetrachloroethane

Concentration: 40,3 ppb

Review Code:



Date : 03-JUL-2014 17:27

Client ID: THW-6(2-4)MSD

Instrument: 50mv3a.i

Sample Info: 1122067,71089;5

Operator: jlz

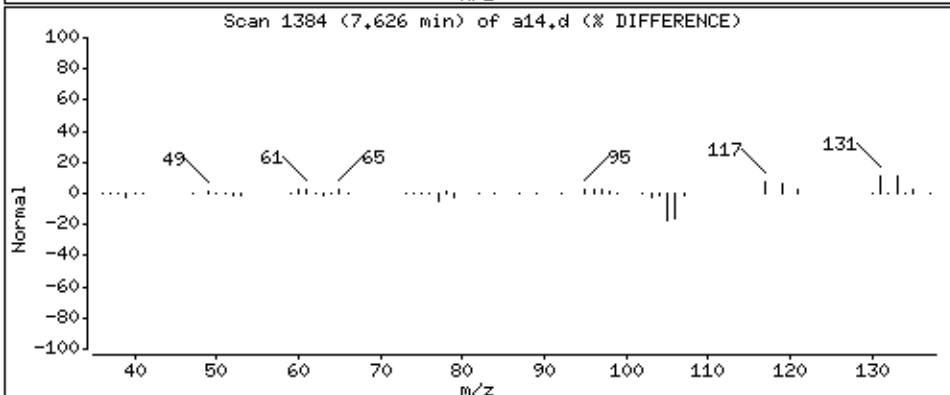
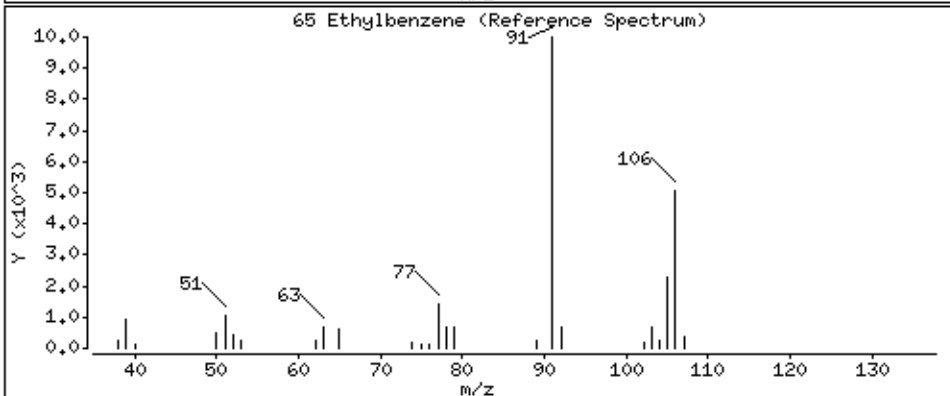
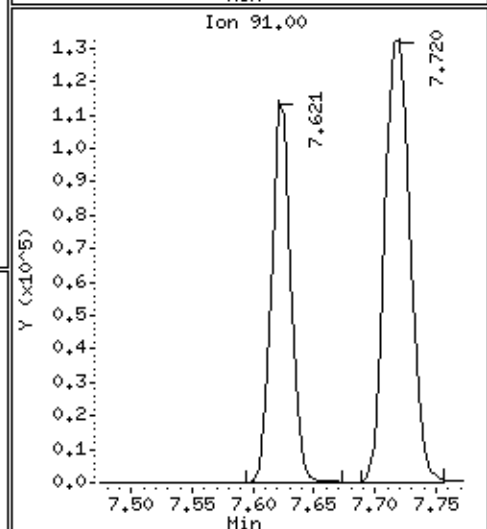
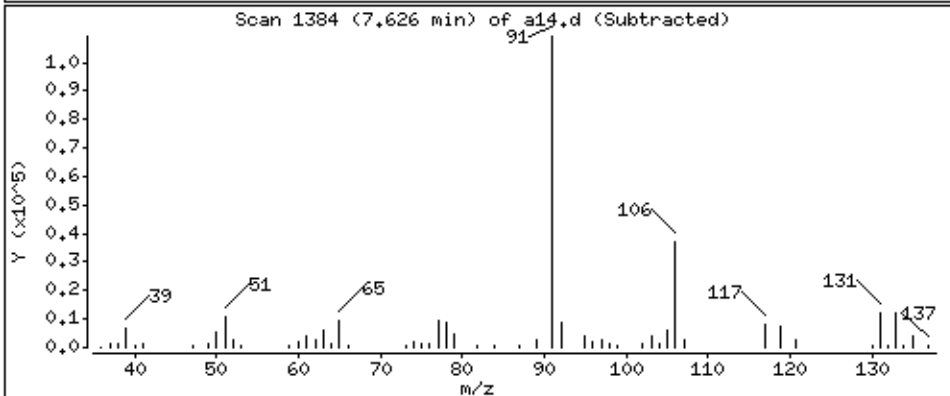
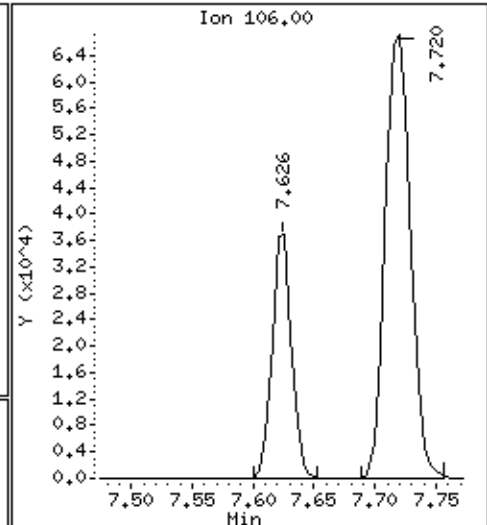
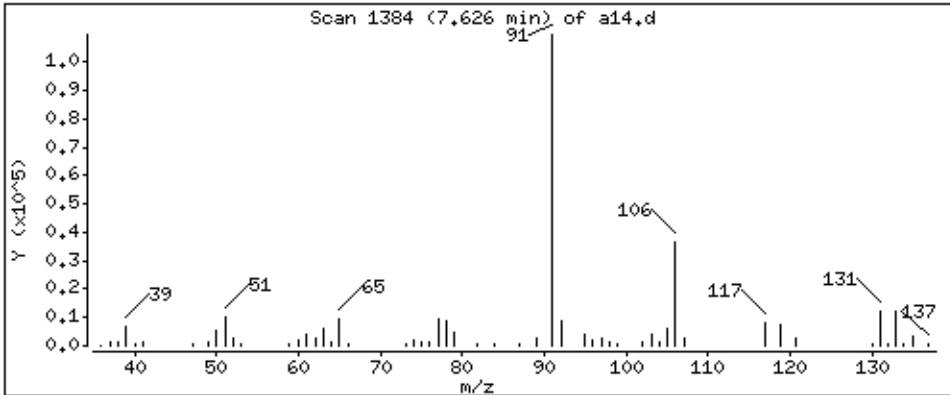
Column phase: DB-624

Column diameter: 0,18

65 Ethylbenzene

Concentration: 38,6 ppb

Review Code:



Date : 03-JUL-2014 17:27

Client ID: THW-6(2-4)MSD

Instrument: 50mv3a.i

Sample Info: 1122067,71089;5

Operator: jlz

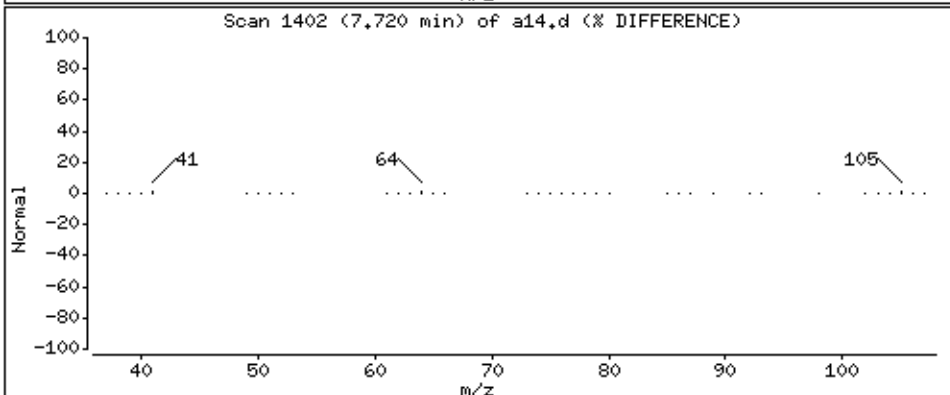
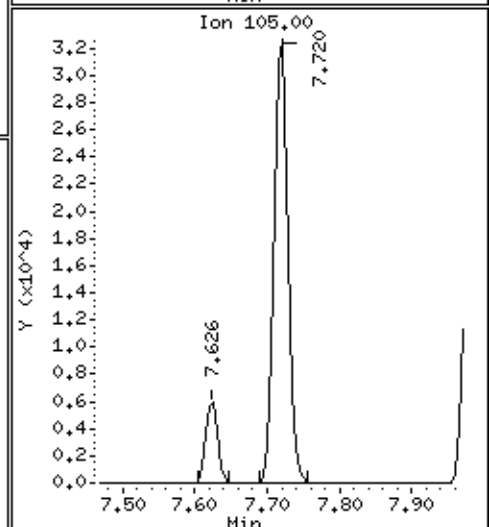
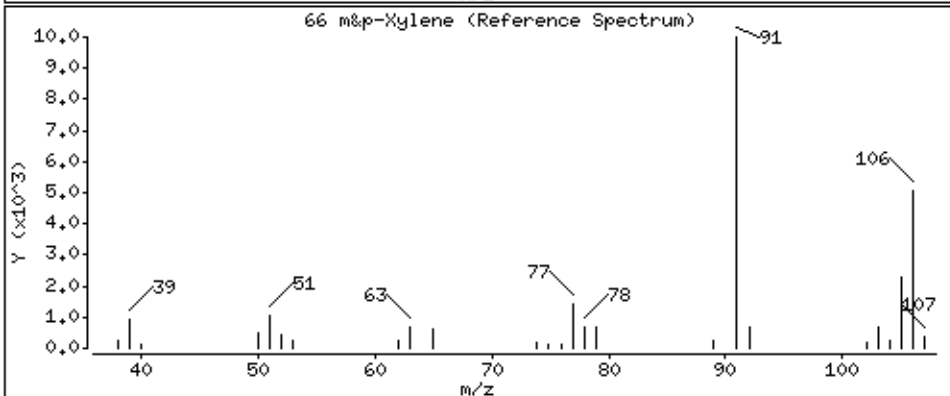
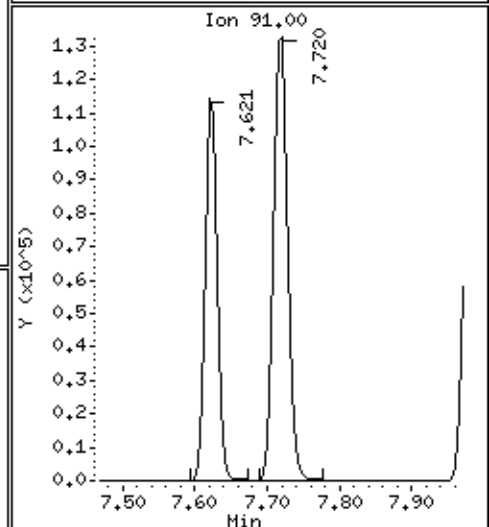
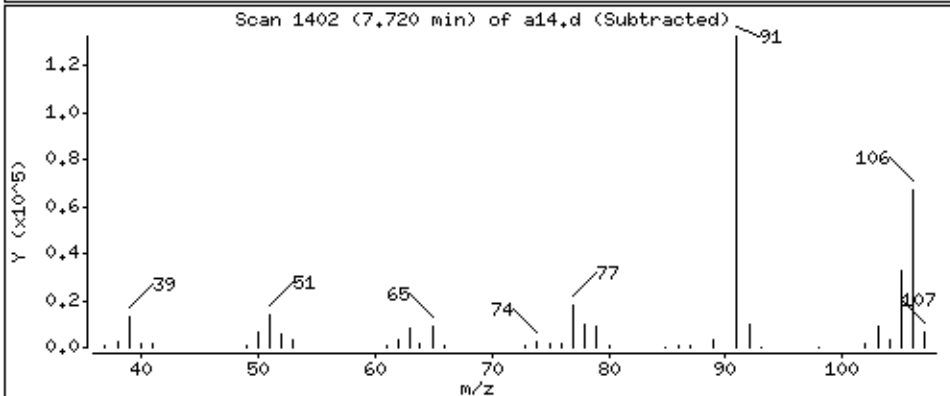
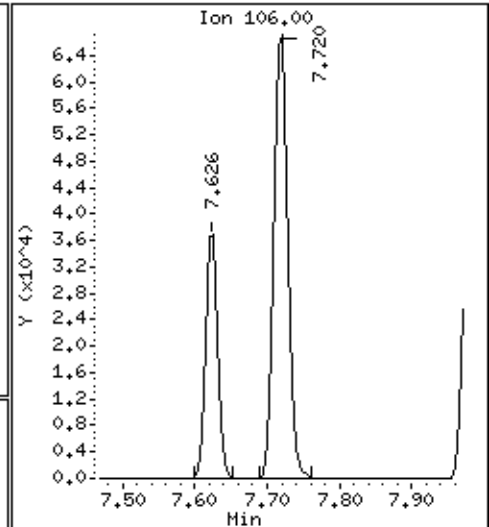
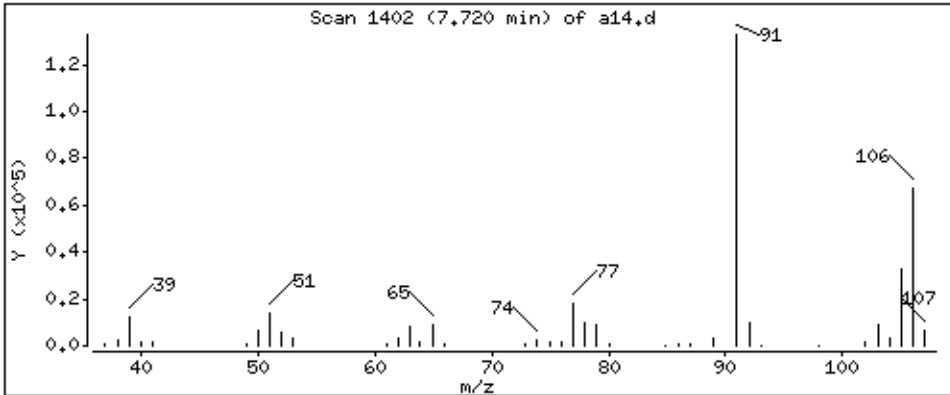
Column phase: DB-624

Column diameter: 0,18

66 m&p-Xylene

Concentration: 74,1 ppb

Review Code:



Date : 03-JUL-2014 17:27

Client ID: THW-6(2-4)MSD

Instrument: 50mv3a.i

Sample Info: 1122067,71089;5

Operator: jlz

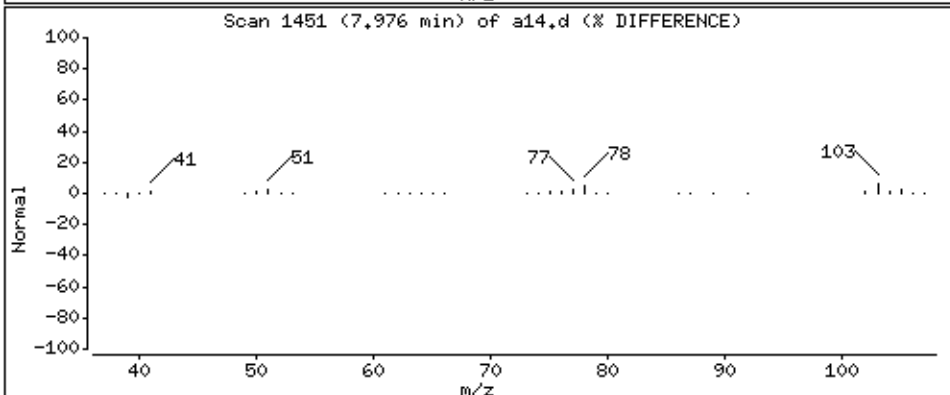
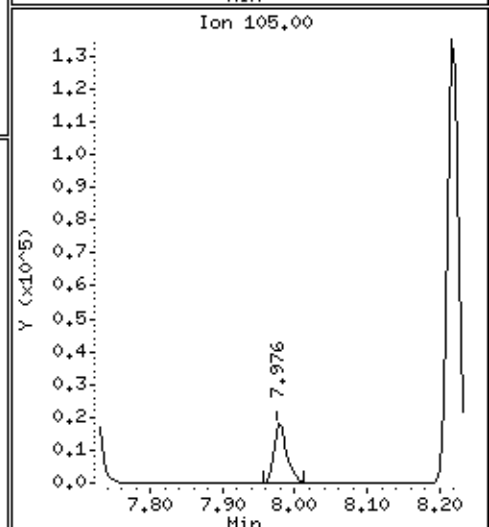
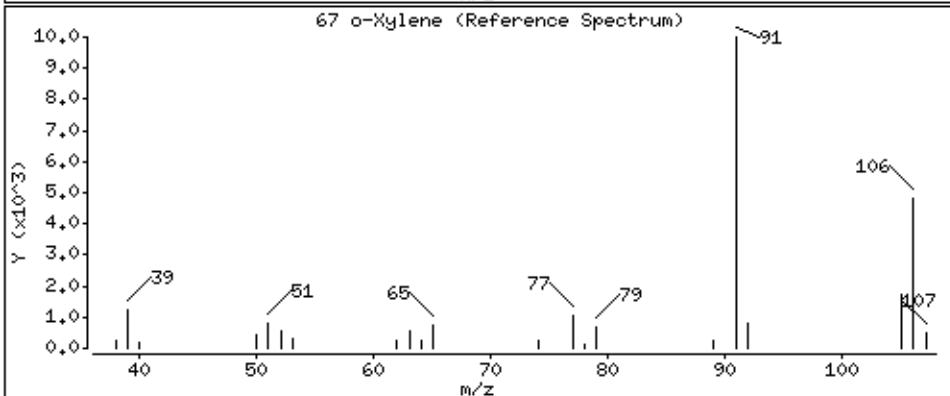
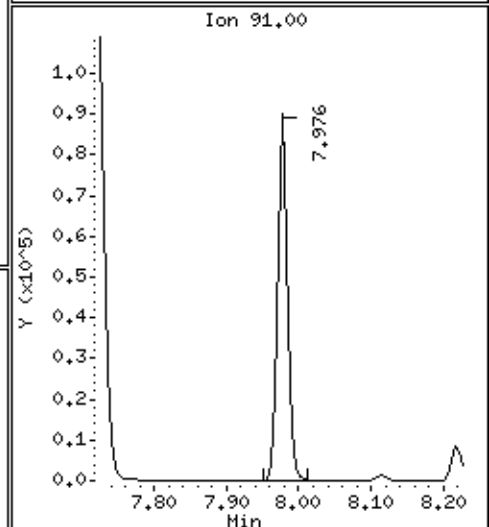
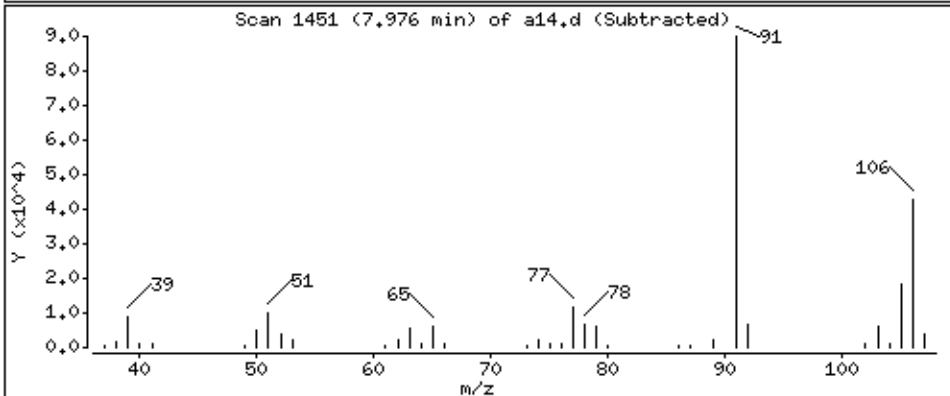
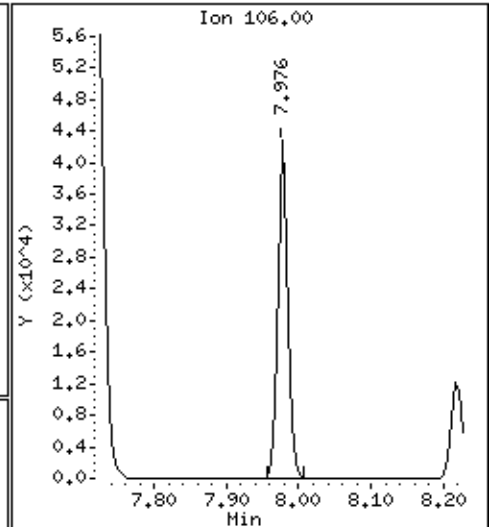
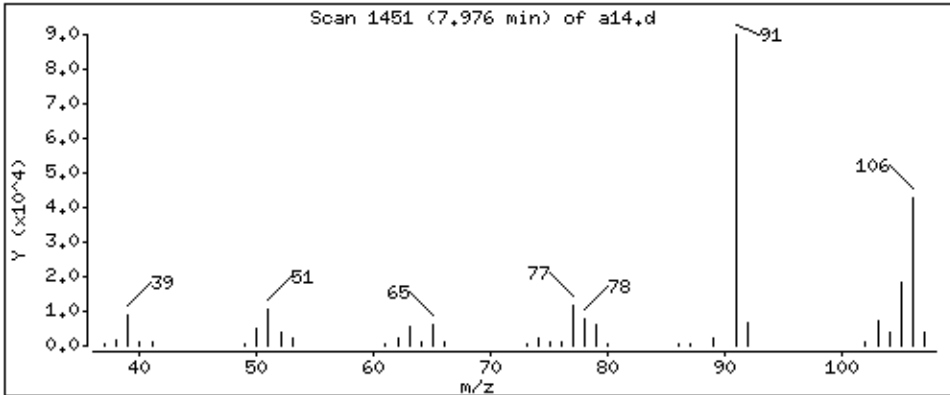
Column phase: DB-624

Column diameter: 0,18

67 o-Xylene

Concentration: 36,7 ppb

Review Code:



Date : 03-JUL-2014 17:27

Client ID: THW-6(2-4)MSD

Instrument: 50mv3a.i

Sample Info: 1122067,71089;5

Operator: jlz

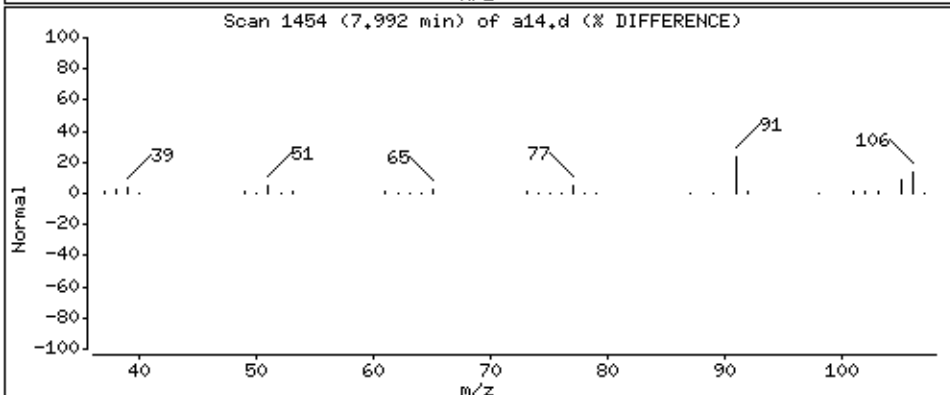
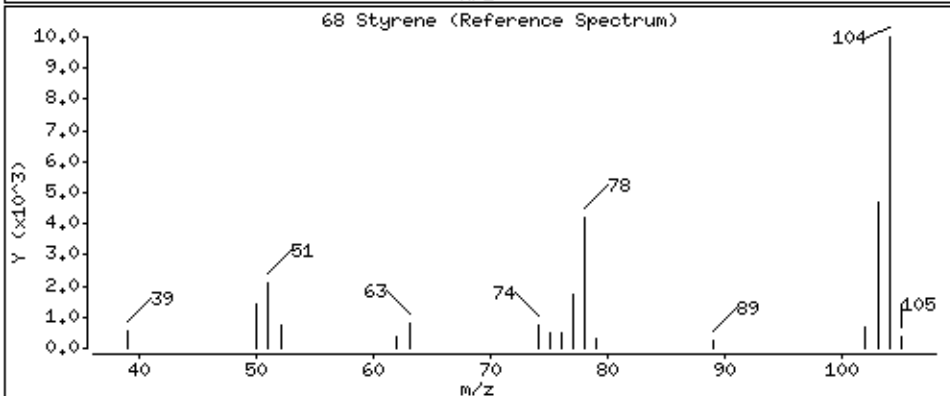
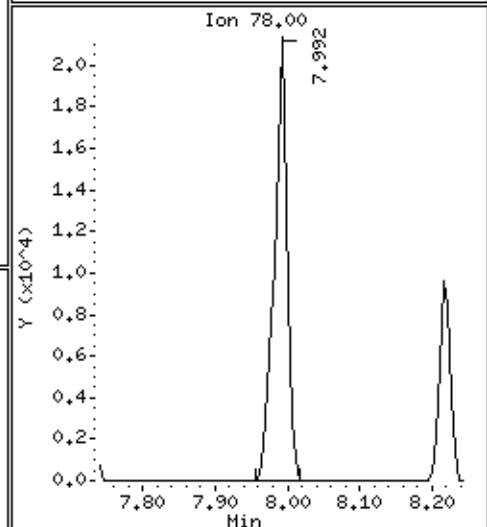
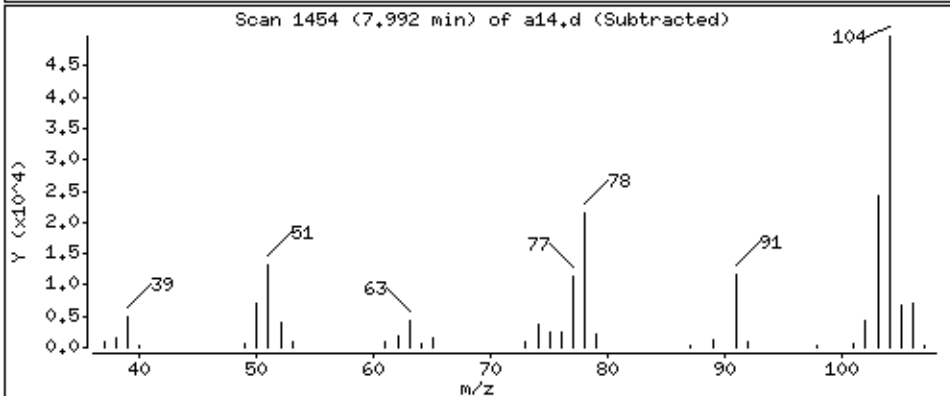
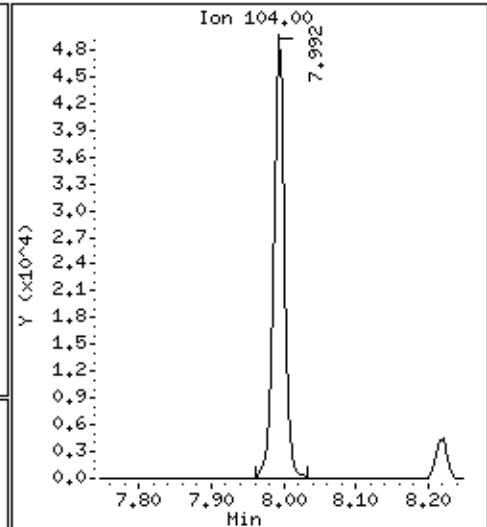
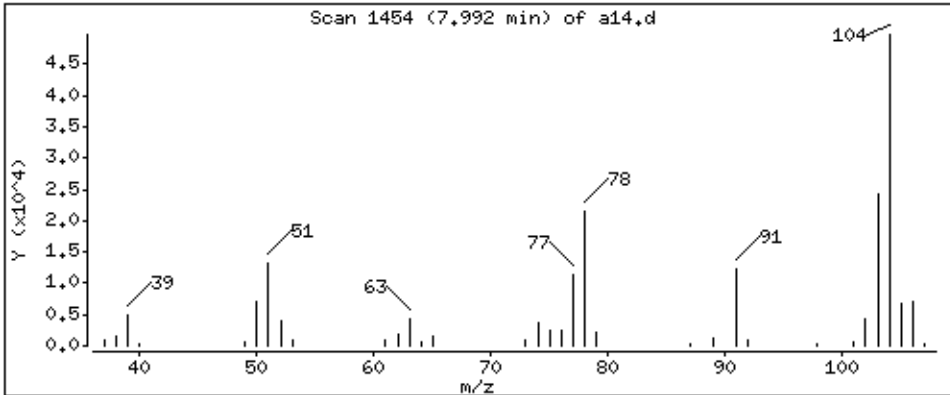
Column phase: DB-624

Column diameter: 0,18

68 Styrene

Concentration: 26,9 ppb

Review Code:



Date : 03-JUL-2014 17:27

Client ID: THW-6(2-4)MSD

Instrument: 50mv3a.i

Sample Info: 1122067,71089;5

Operator: jlz

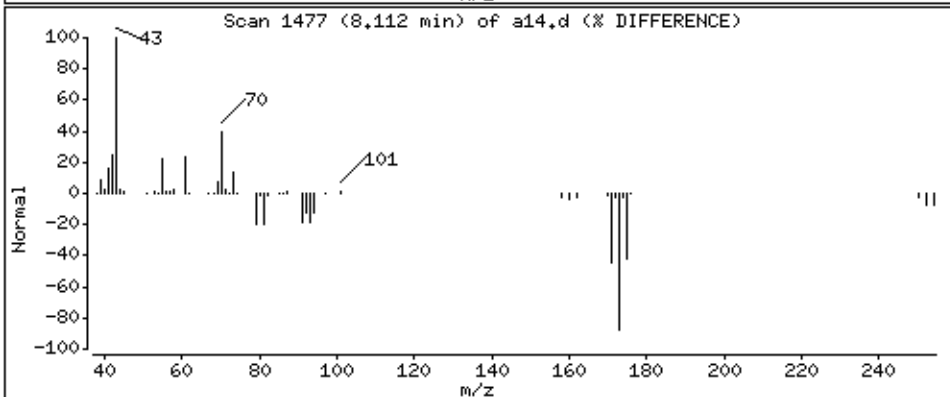
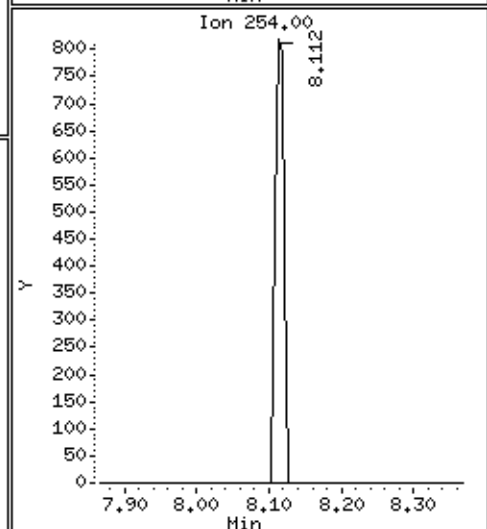
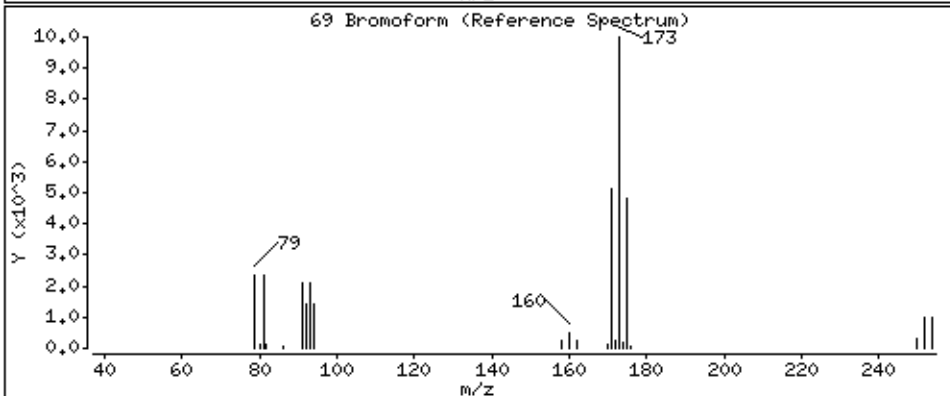
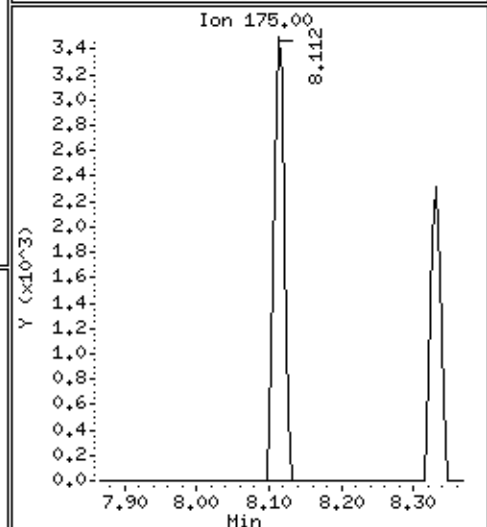
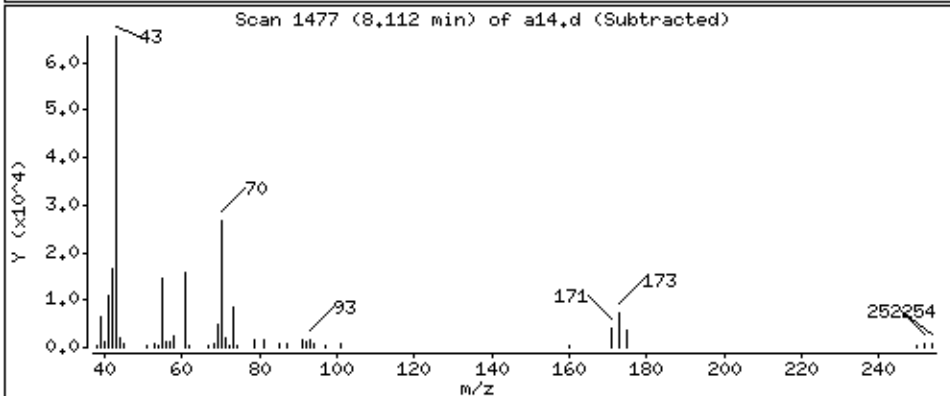
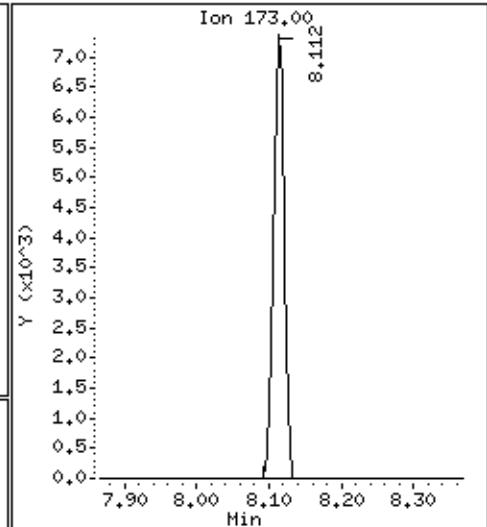
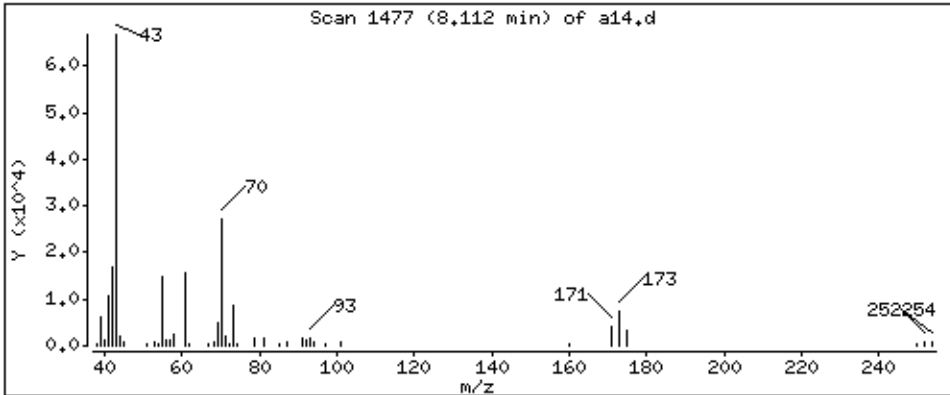
Column phase: DB-624

Column diameter: 0,18

69 Bromoform

Concentration: 32,4 ppb

Review Code:



Date : 03-JUL-2014 17:27

Client ID: THW-6(2-4)MSD

Instrument: 50mv3a.i

Sample Info: 1122067,71089;5

Operator: jlz

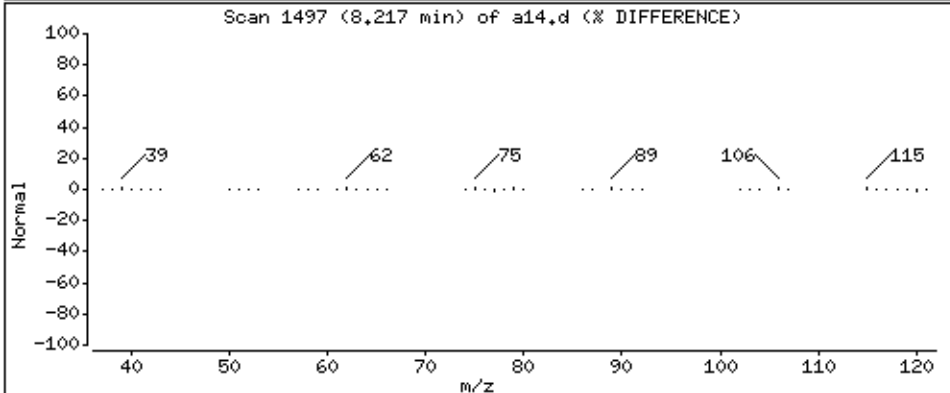
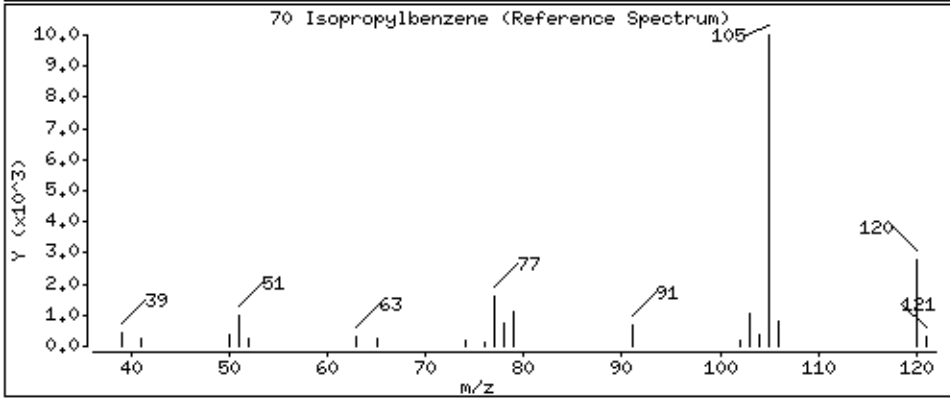
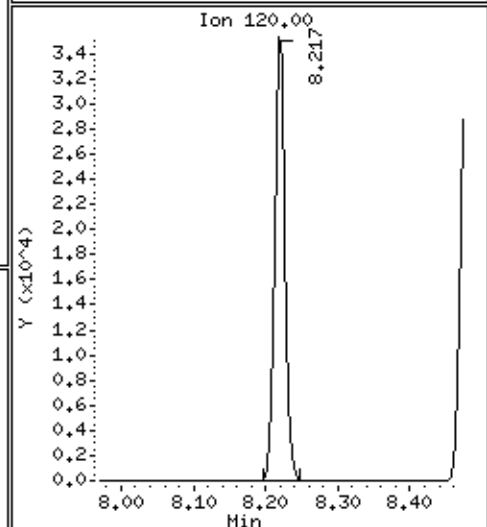
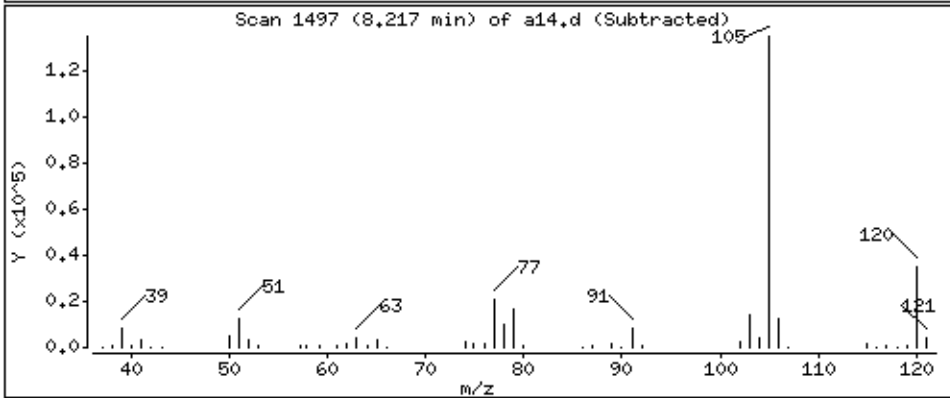
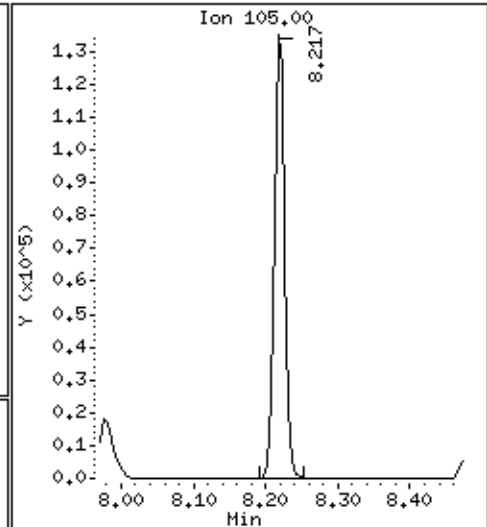
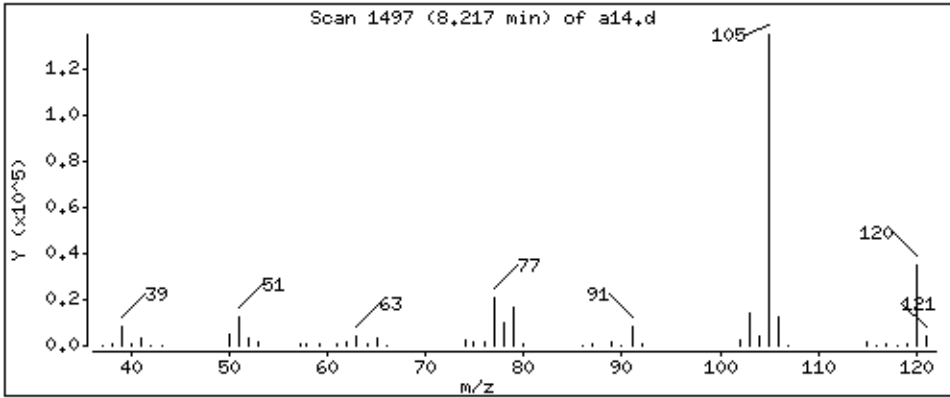
Column phase: DB-624

Column diameter: 0,18

70 Isopropylbenzene

Concentration: 41.4 ppb

Review Code:



Date : 03-JUL-2014 17:27

Client ID: THW-6(2-4)MSD

Instrument: 50mv3a.i

Sample Info: 1122067,71089;5

Operator: jlz

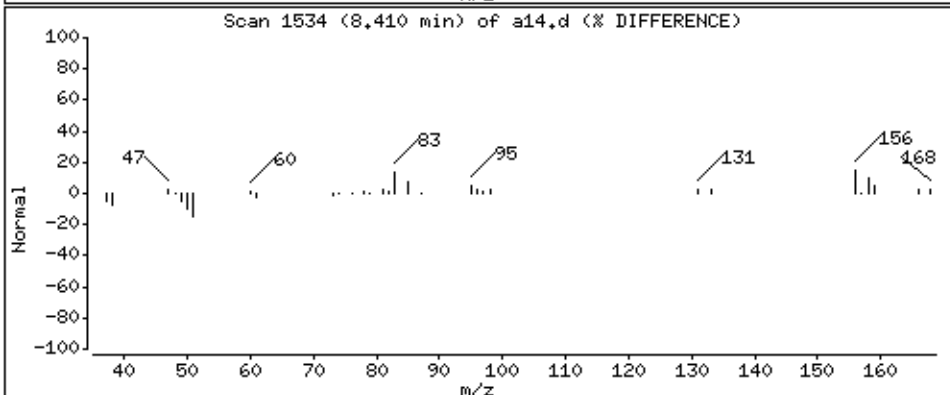
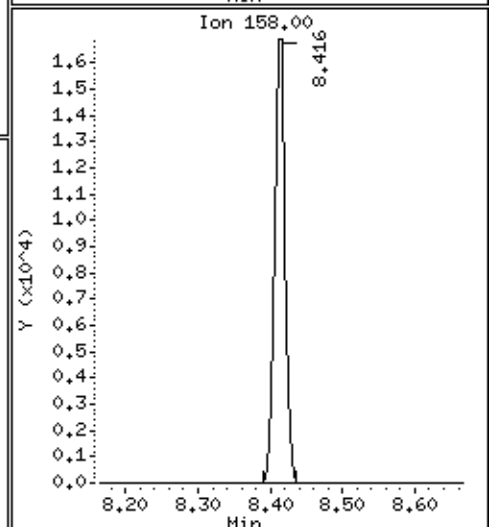
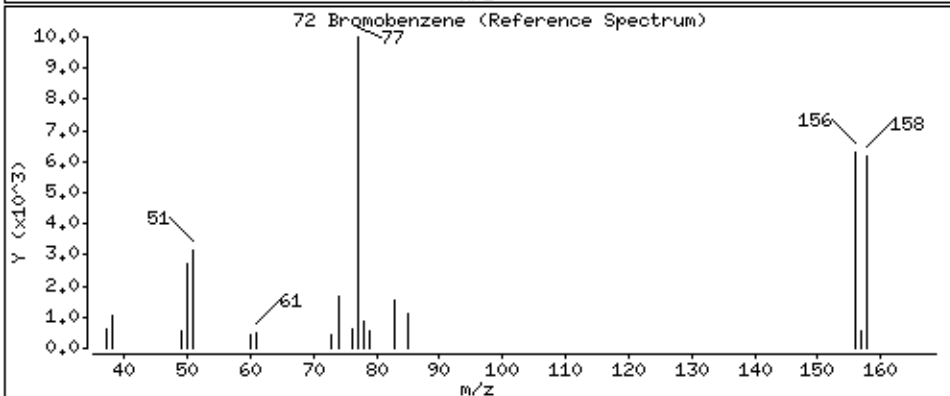
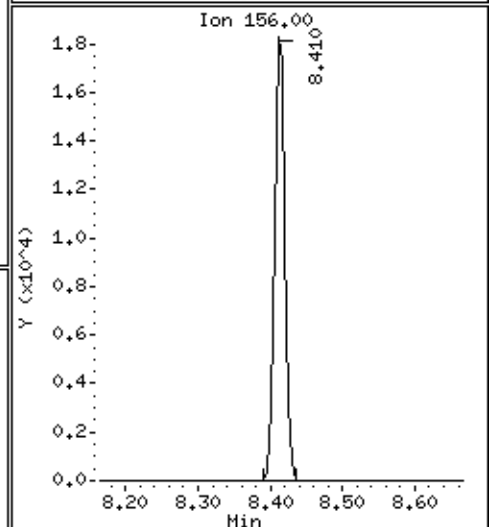
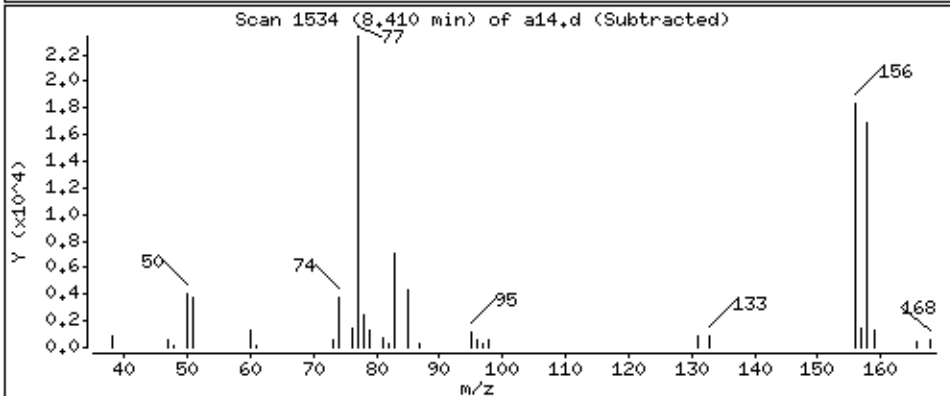
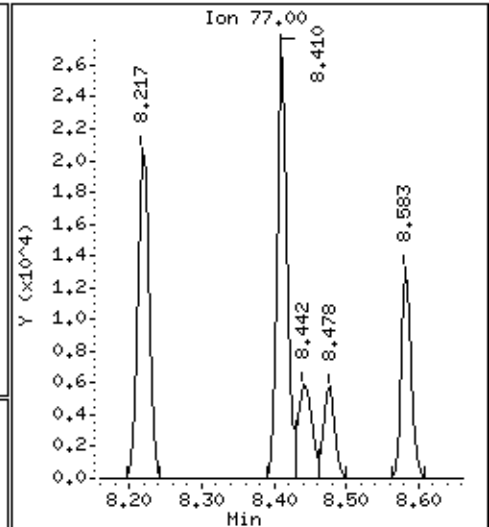
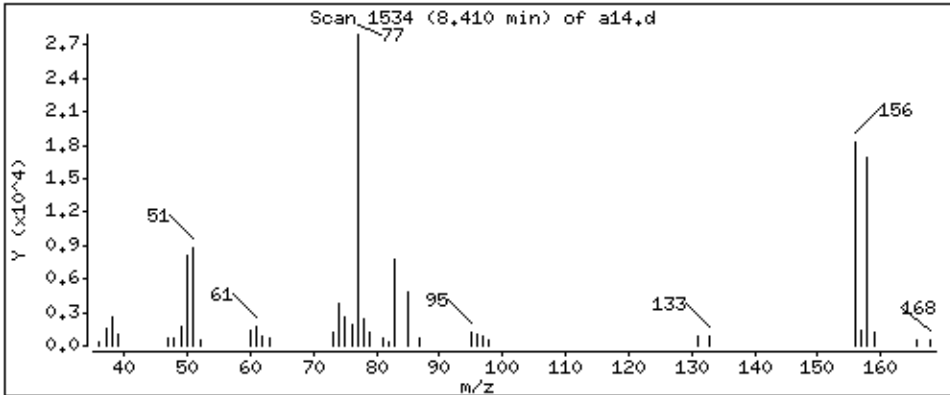
Column phase: DB-624

Column diameter: 0,18

72 Bromobenzene

Concentration: 24,7 ppb

Review Code:



Date : 03-JUL-2014 17:27

Client ID: THW-6(2-4)MSD

Instrument: 50mv3a.i

Sample Info: 1122067,71089;5

Operator: jlz

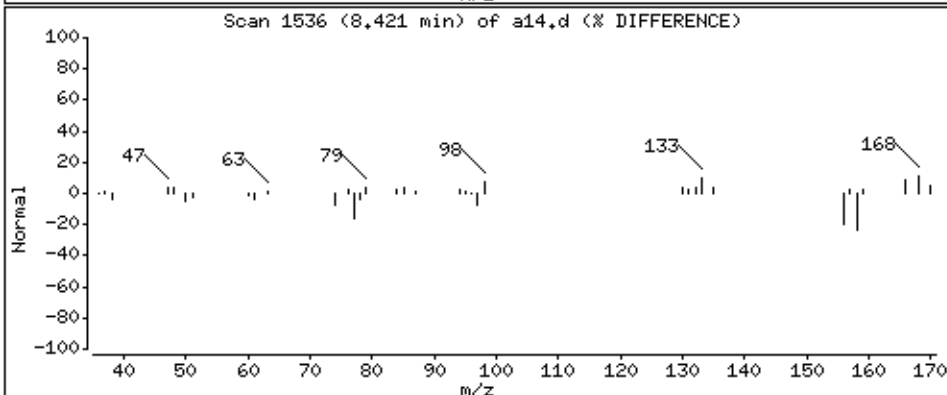
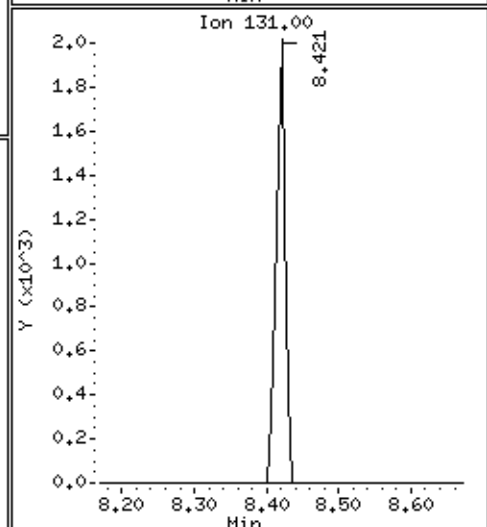
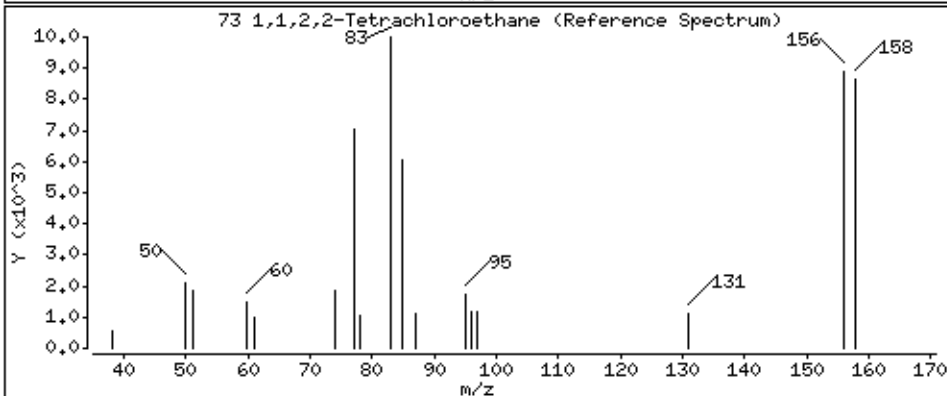
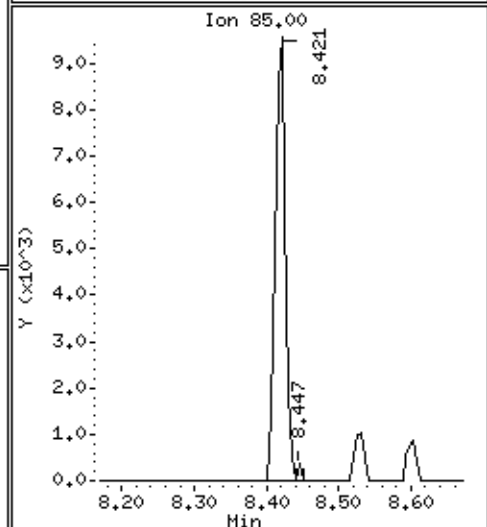
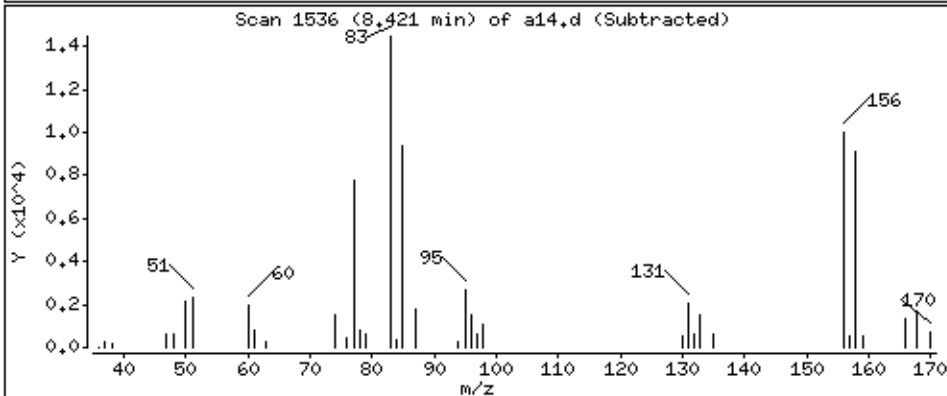
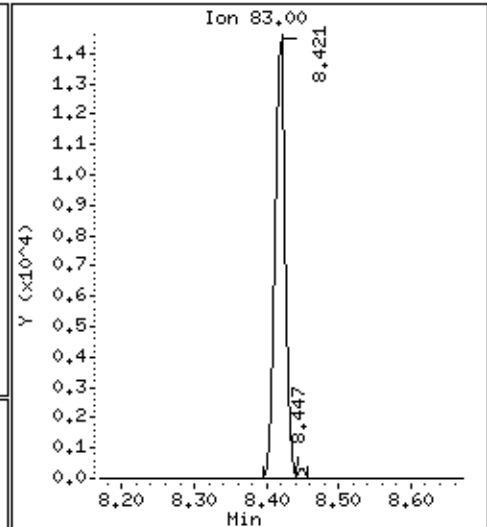
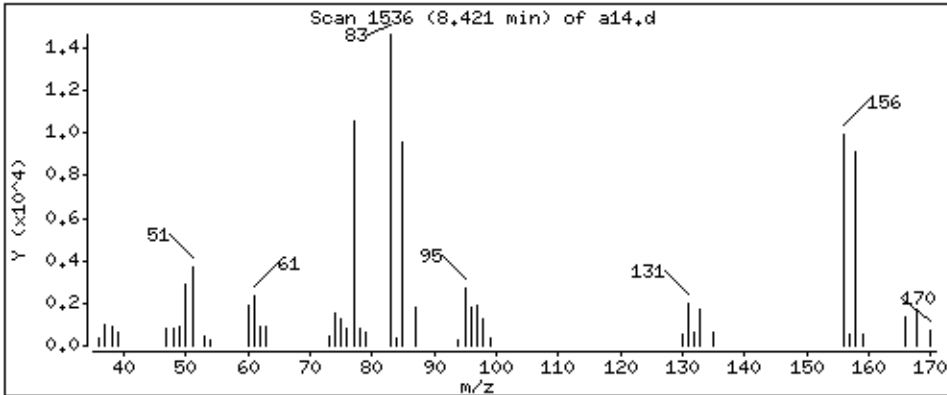
Column phase: DB-624

Column diameter: 0,18

73 1,1,2,2-Tetrachloroethane

Concentration: 34,0 ppb

Review Code:



Date : 03-JUL-2014 17:27

Client ID: THW-6(2-4)MSD

Instrument: 50mv3a.i

Sample Info: 1122067,71089;5

Operator: jlz

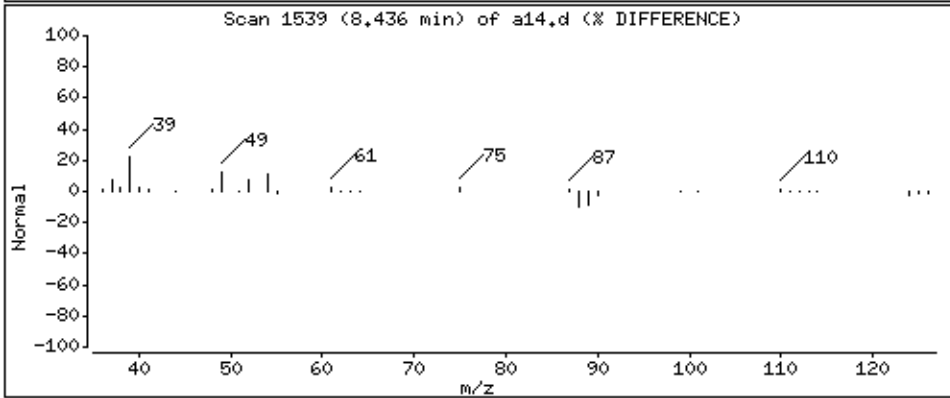
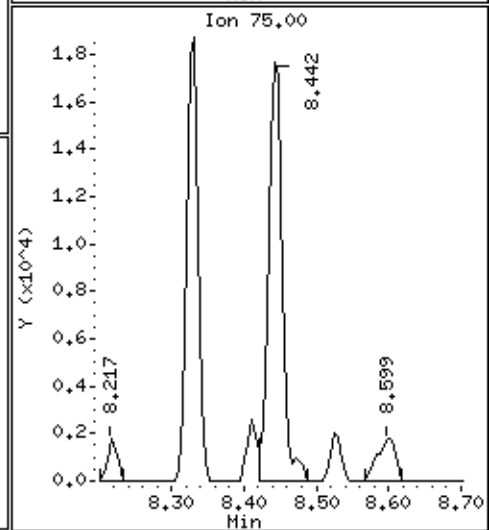
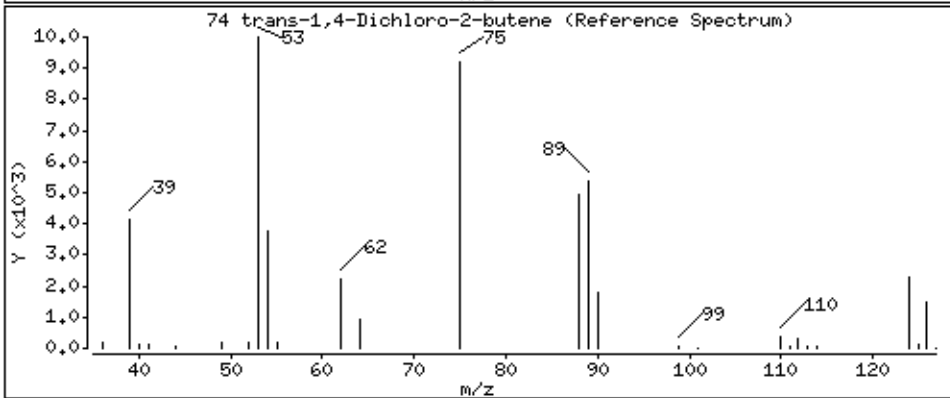
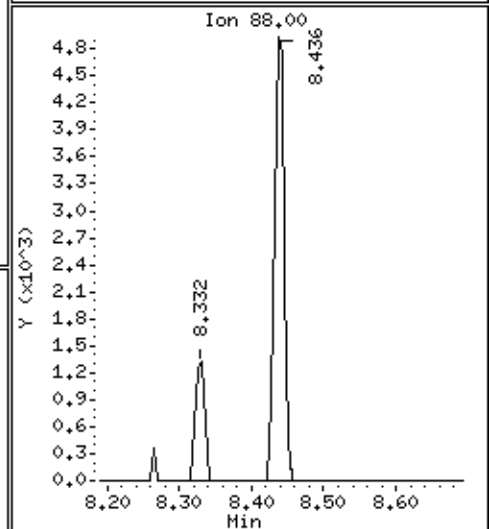
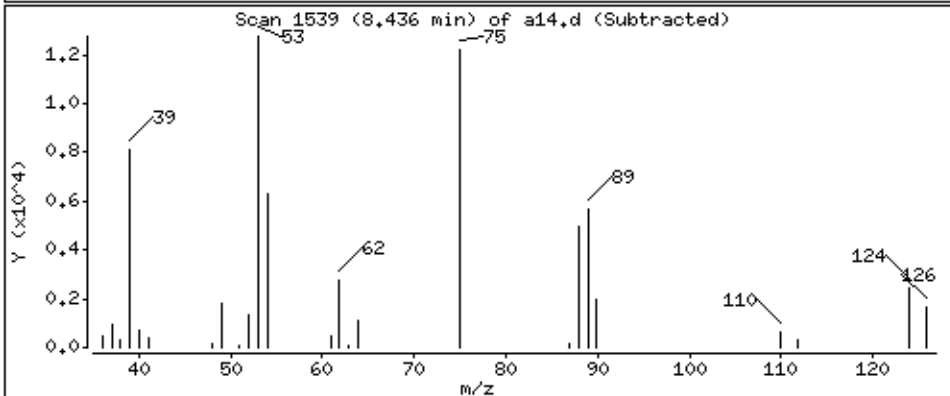
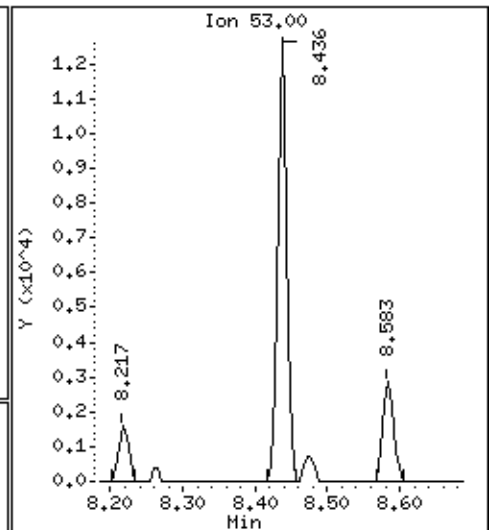
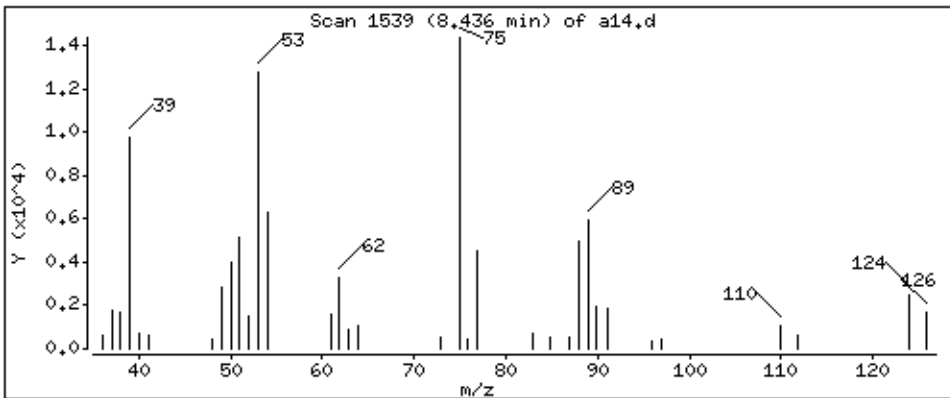
Column phase: DB-624

Column diameter: 0,18

74 trans-1,4-Dichloro-2-butene

Concentration: 102 ppb

Review Code:



Date : 03-JUL-2014 17:27

Client ID: THW-6(2-4)MSD

Instrument: 50mv3a.i

Sample Info: 1122067,71089;5

Operator: jlz

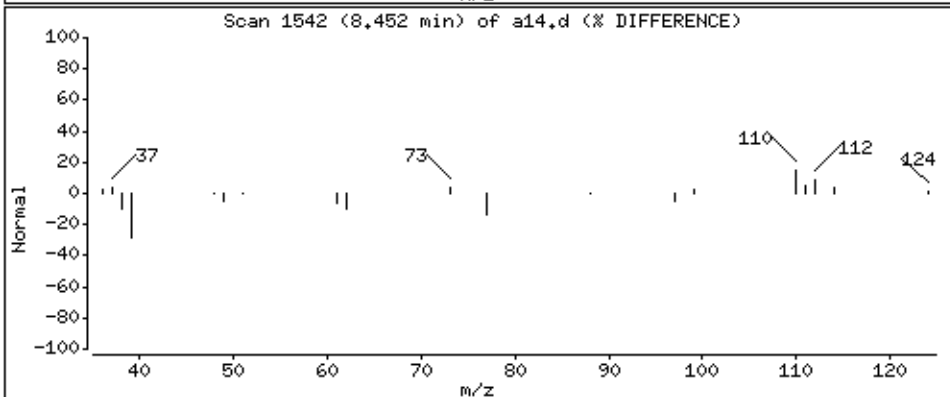
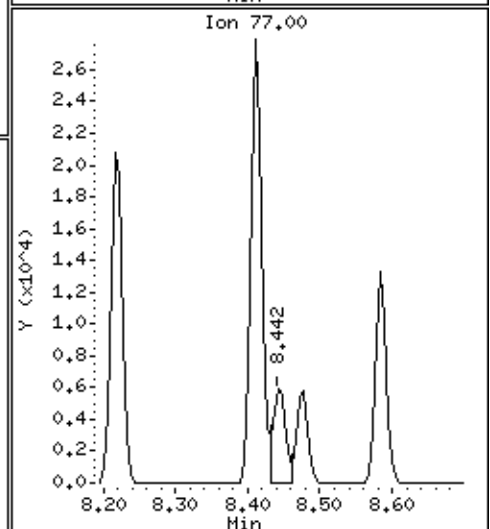
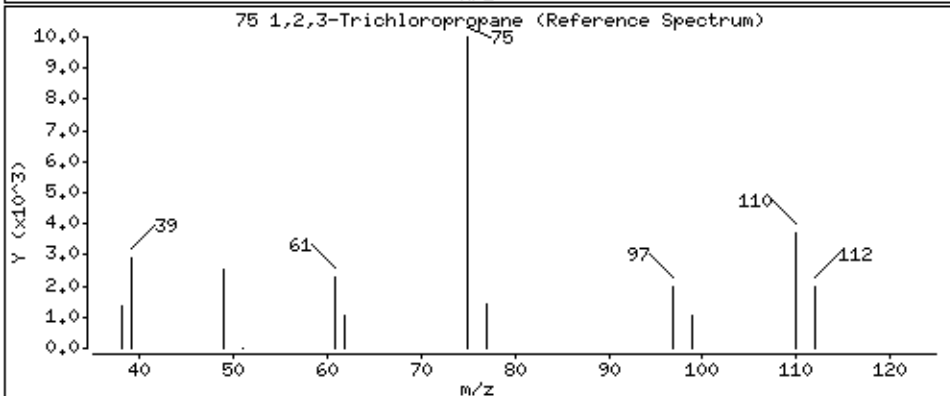
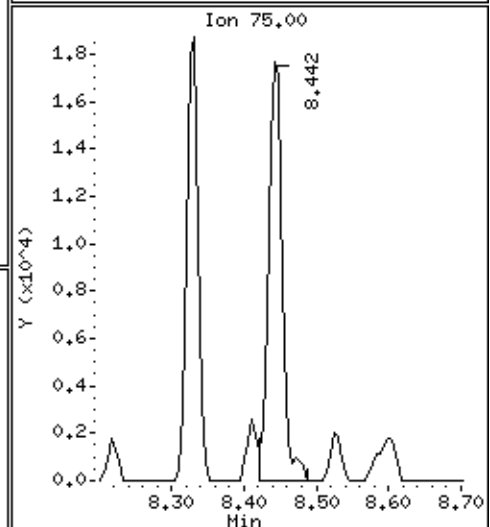
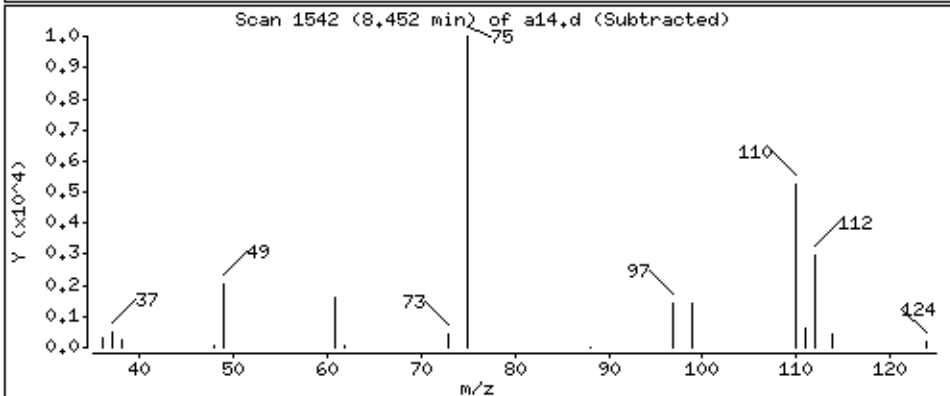
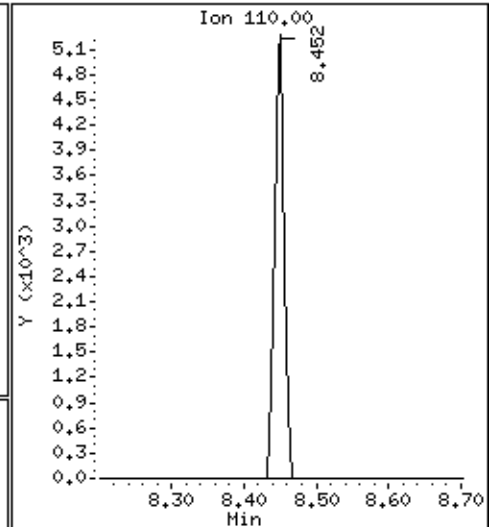
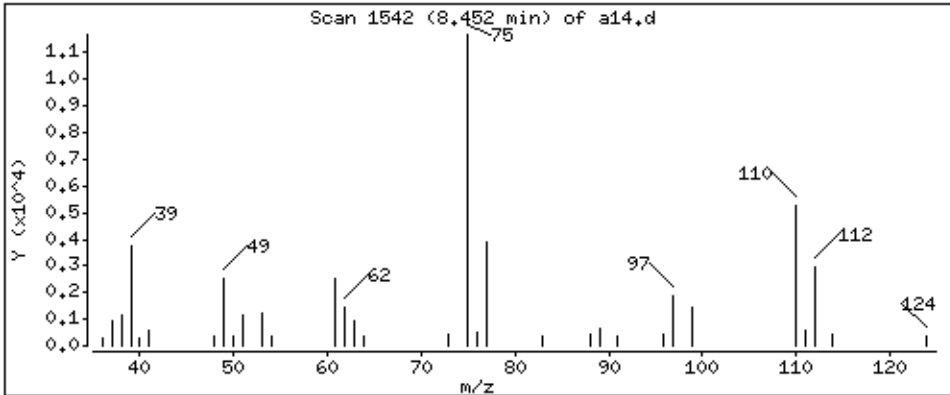
Column phase: DB-624

Column diameter: 0,18

75 1,2,3-Trichloropropane

Concentration: 35,8 ppb

Review Code:



Date : 03-JUL-2014 17:27

Client ID: THW-6(2-4)MSD

Instrument: 50mv3a.i

Sample Info: 1122067,71089;5

Operator: jlz

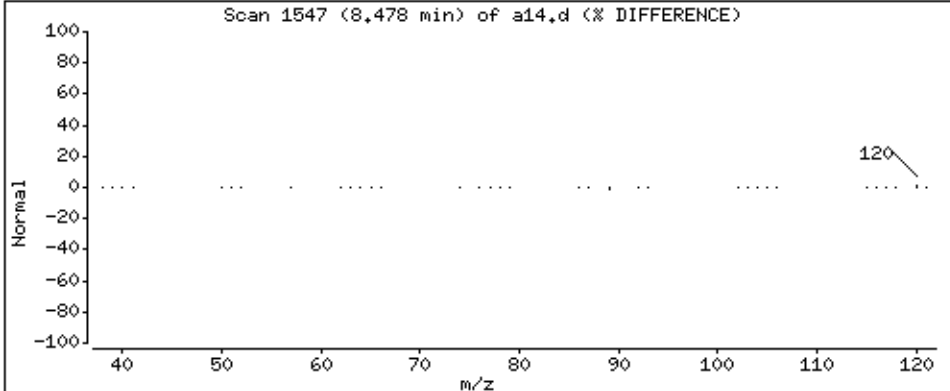
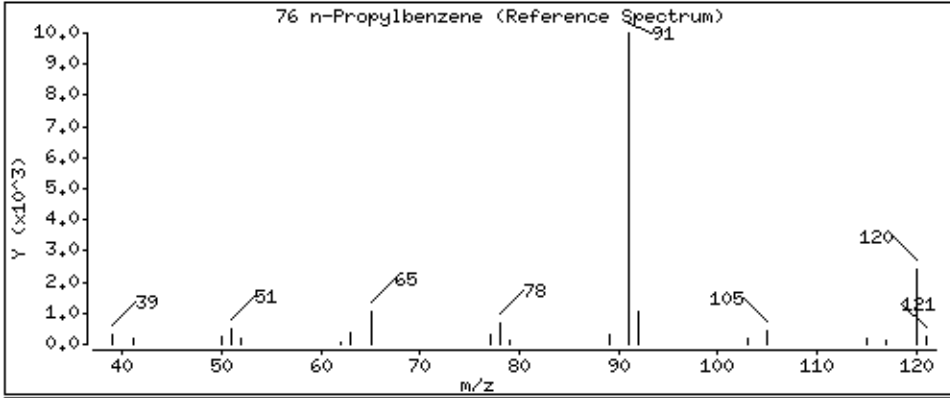
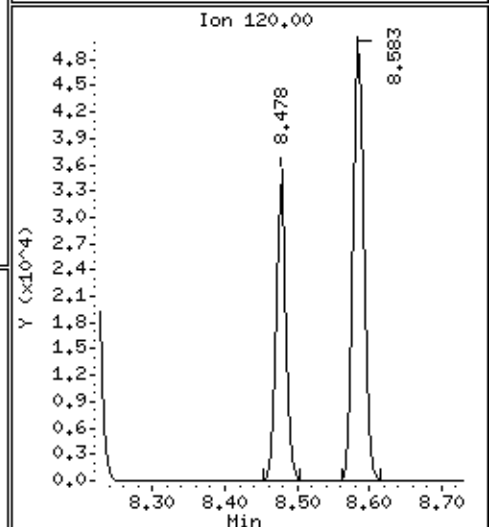
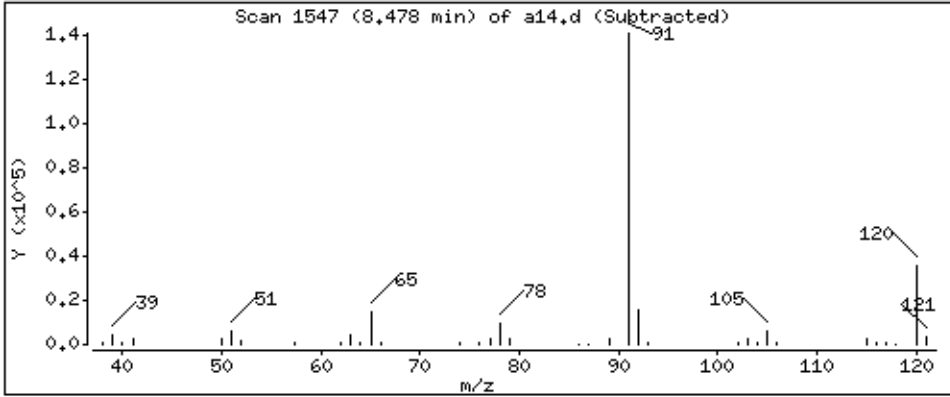
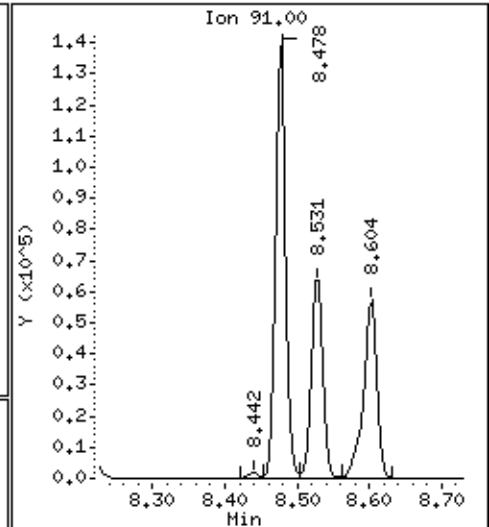
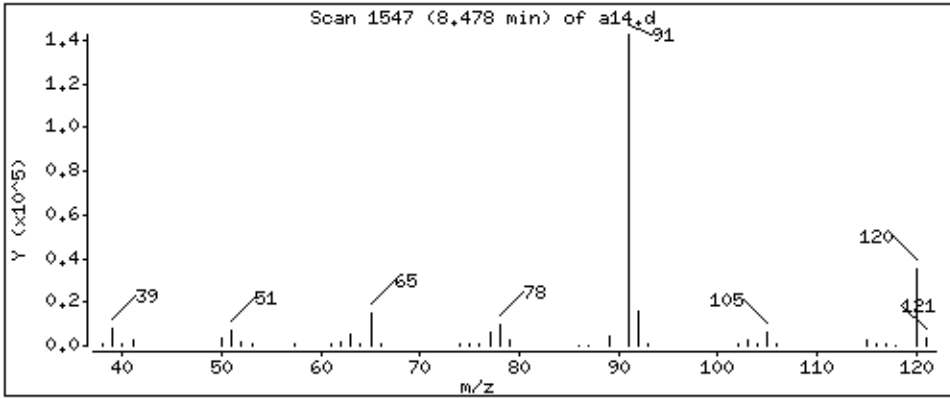
Column phase: DB-624

Column diameter: 0,18

76 n-Propylbenzene

Concentration: 36,5 ppb

Review Code:



Date : 03-JUL-2014 17:27

Client ID: THW-6(2-4)MSD

Instrument: 50mv3a.i

Sample Info: 1122067,71089;5

Operator: jlz

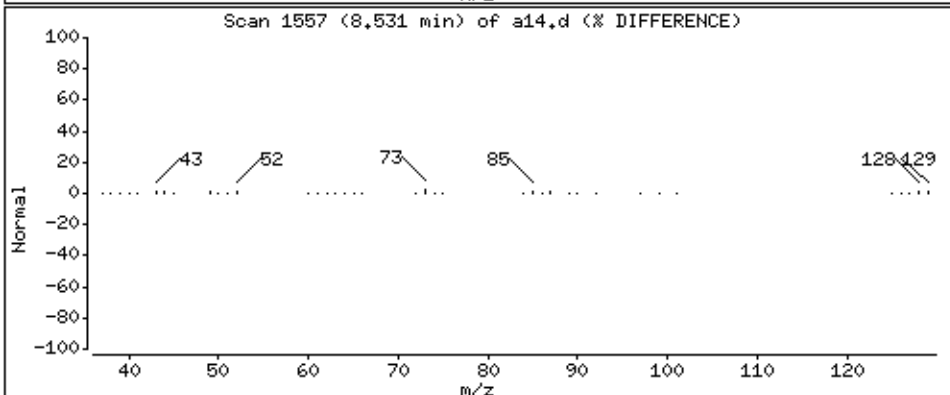
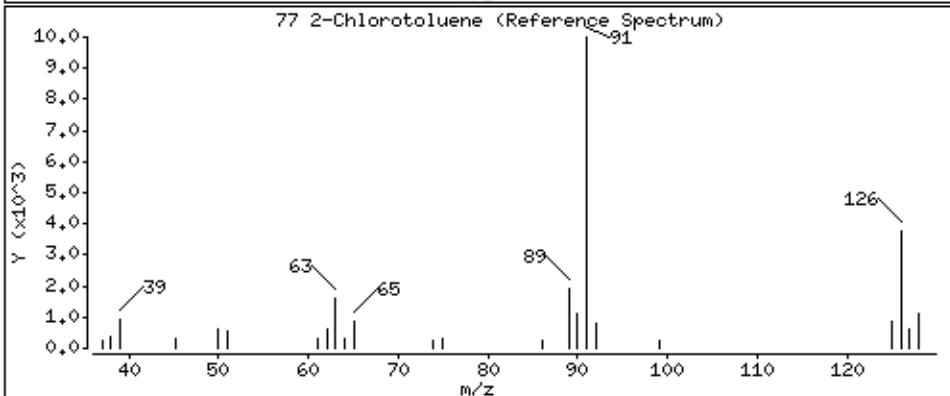
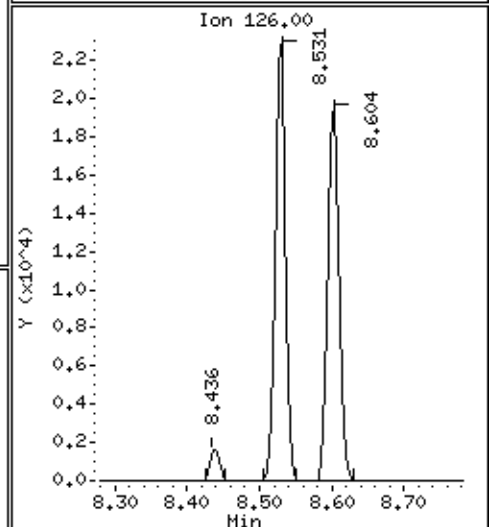
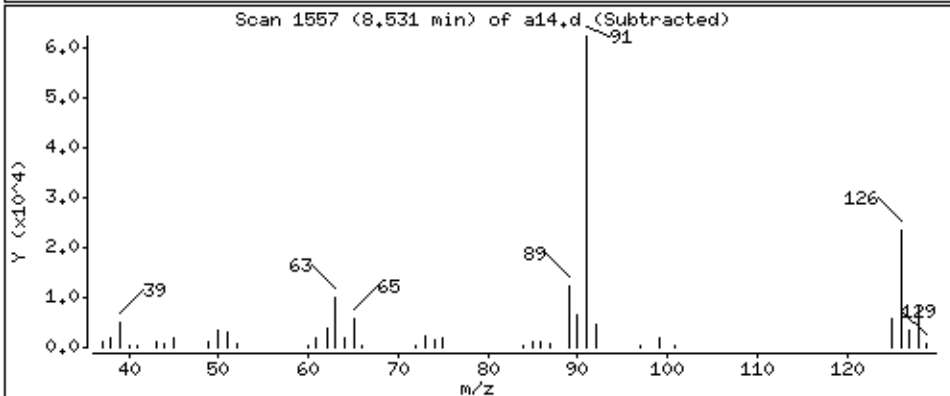
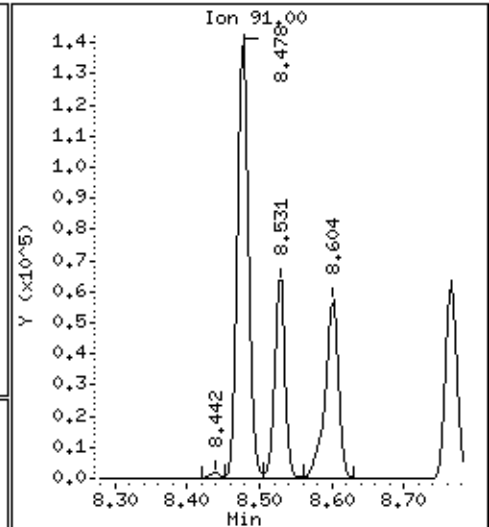
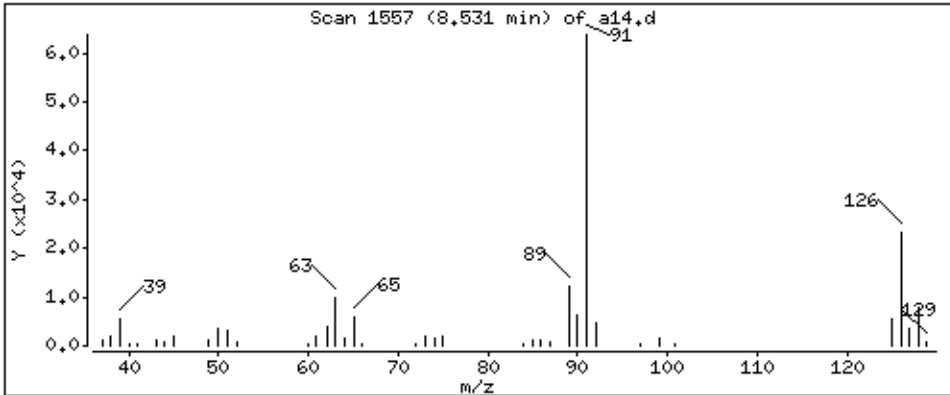
Column phase: DB-624

Column diameter: 0,18

77 2-Chlorotoluene

Concentration: 31,0 ppb

Review Code:



Date : 03-JUL-2014 17:27

Client ID: THW-6(2-4)MSD

Instrument: 50mv3a.i

Sample Info: 1122067,71089;5

Operator: jlz

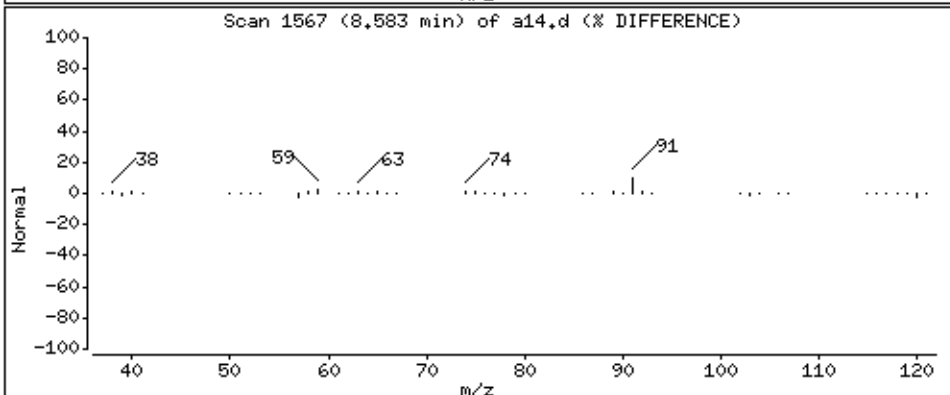
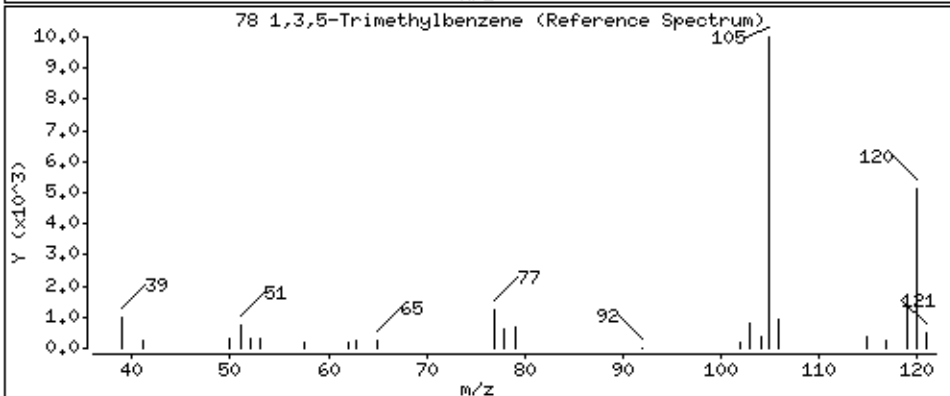
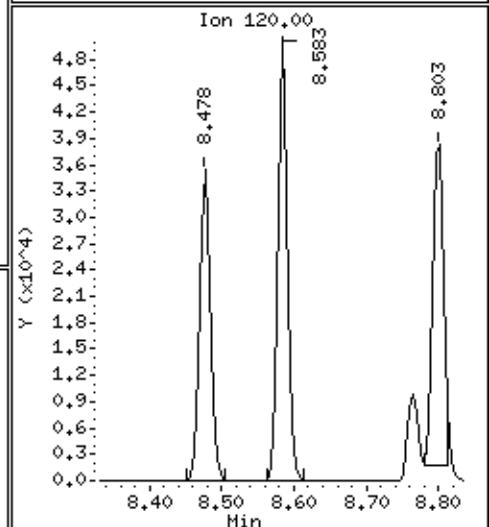
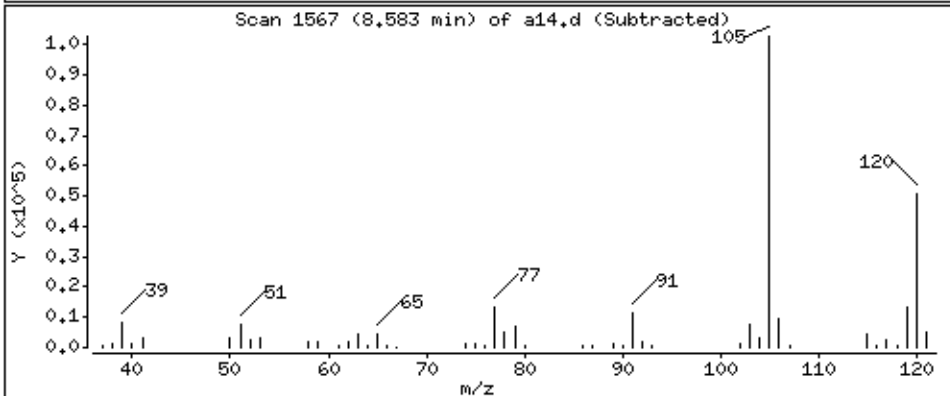
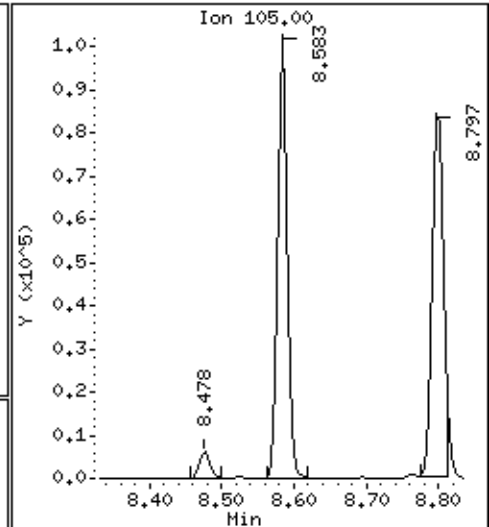
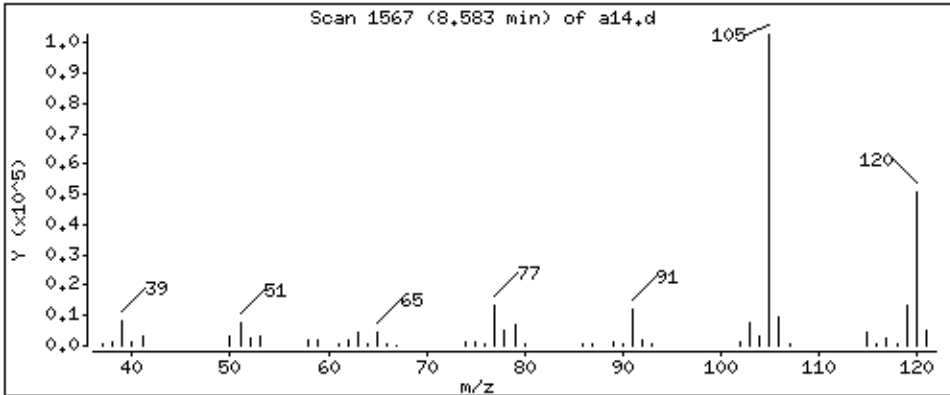
Column phase: DB-624

Column diameter: 0,18

78 1,3,5-Trimethylbenzene

Concentration: 35,0 ppb

Review Code:



Date : 03-JUL-2014 17:27

Client ID: THW-6(2-4)MSD

Instrument: 50mv3a.i

Sample Info: 1122067,71089;5

Operator: jlz

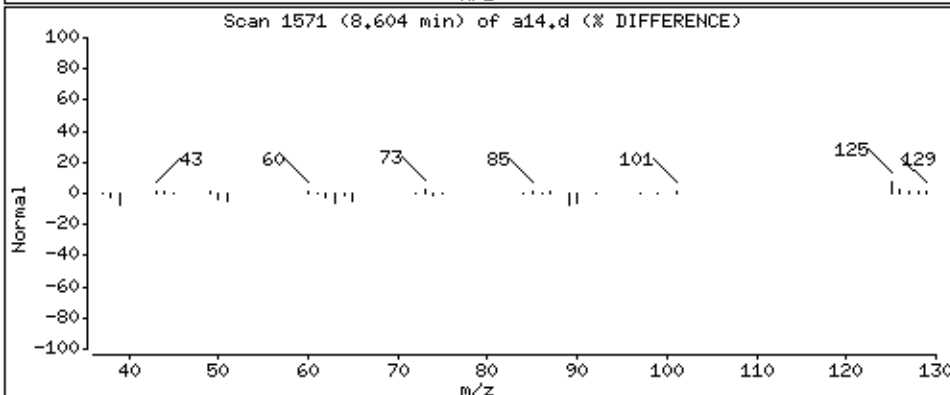
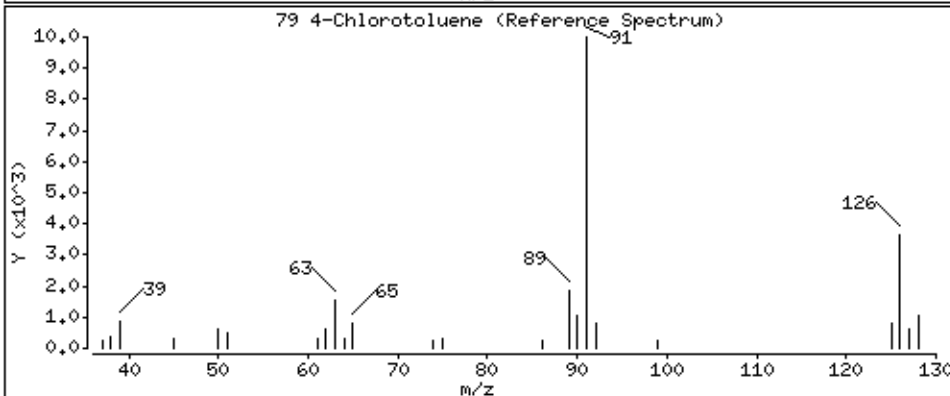
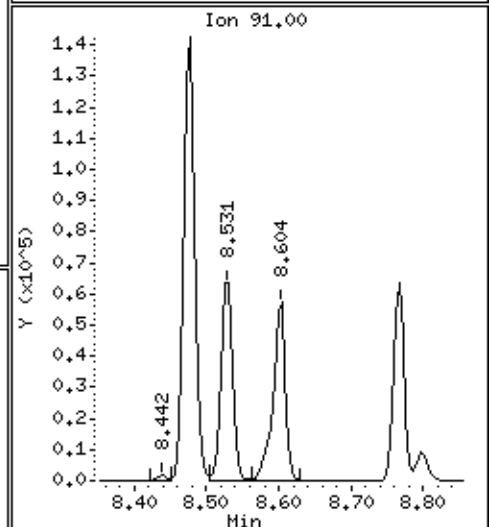
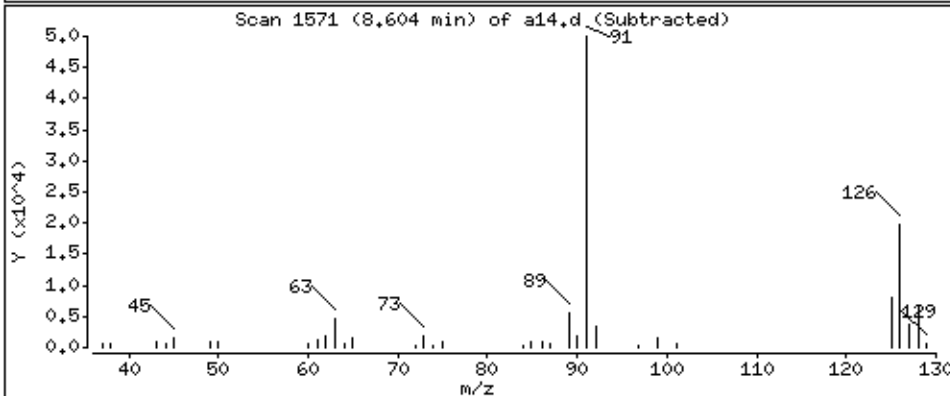
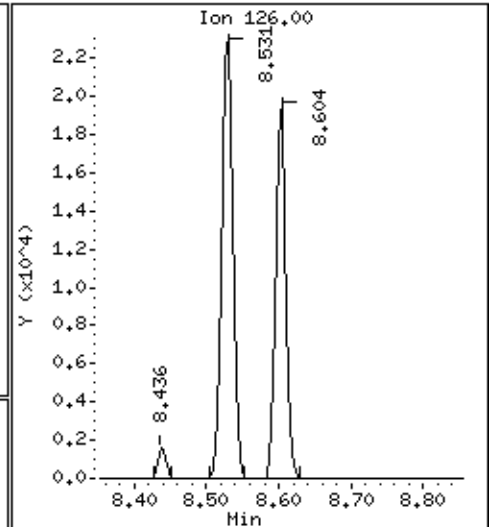
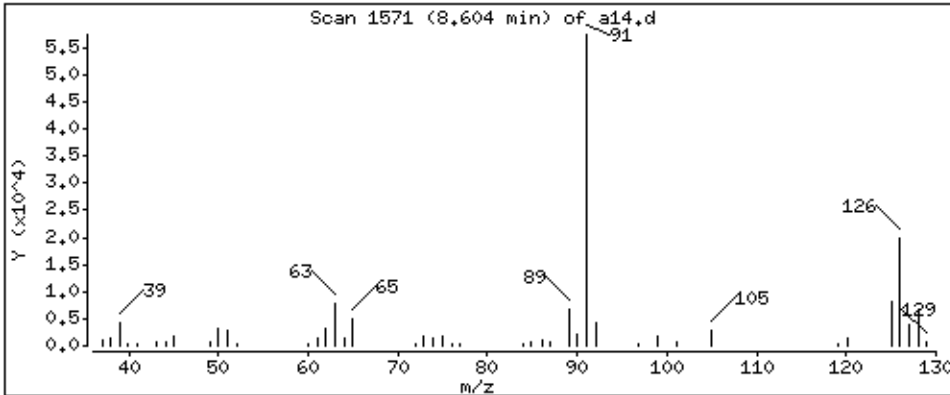
Column phase: DB-624

Column diameter: 0,18

79 4-Chlorotoluene

Concentration: 26,5 ppb

Review Code:



Date : 03-JUL-2014 17:27

Client ID: THW-6(2-4)MSD

Instrument: 50mv3a.i

Sample Info: 1122067,71089;5

Operator: jlz

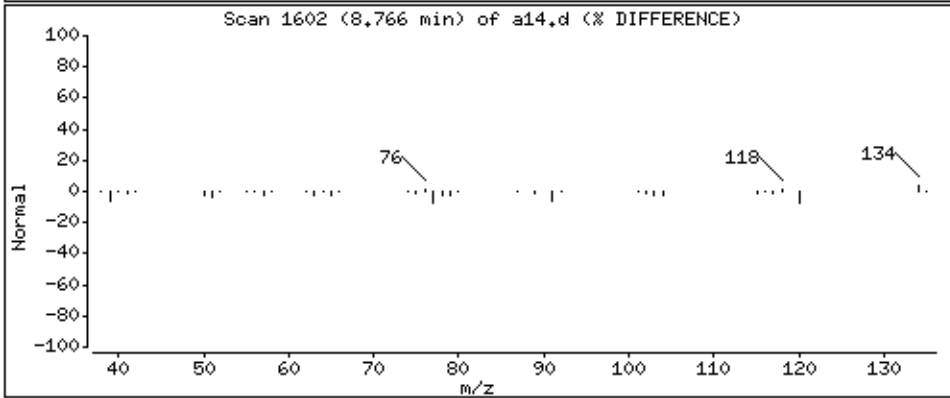
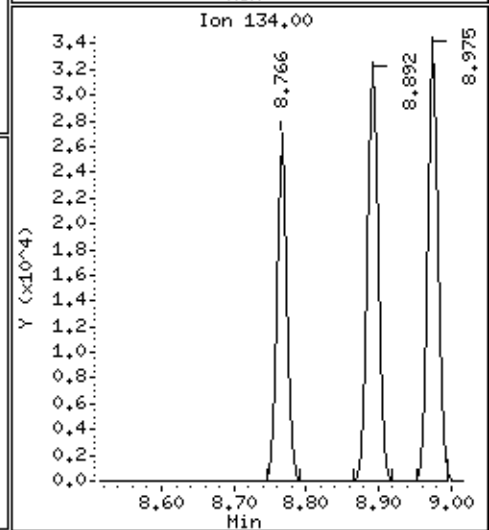
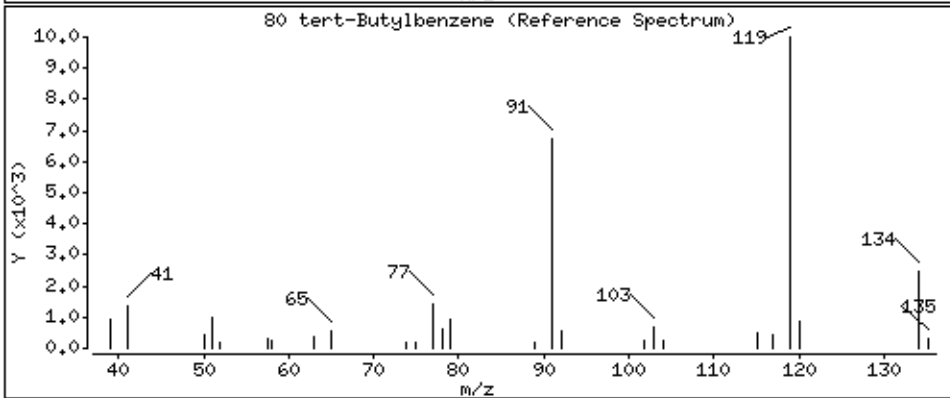
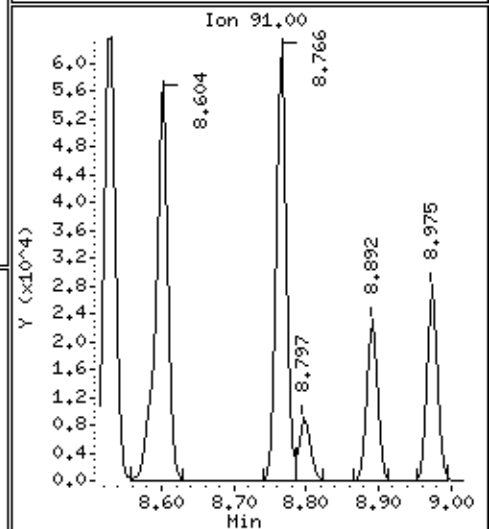
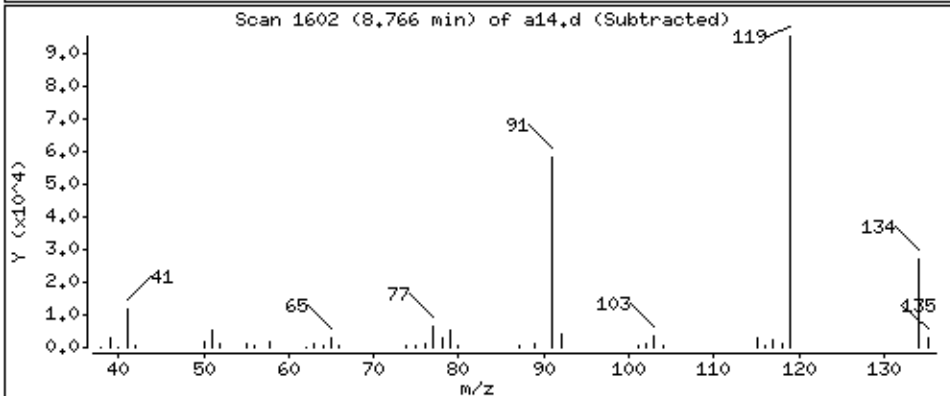
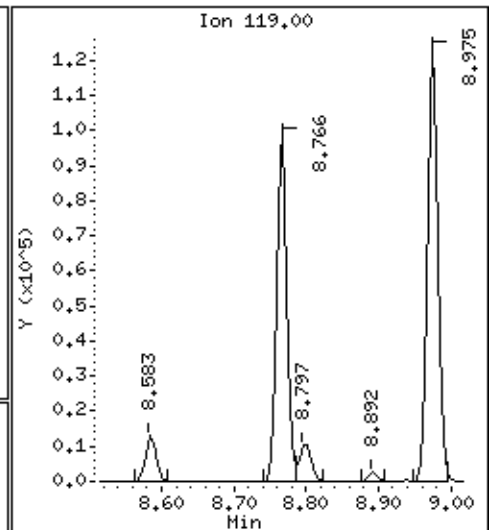
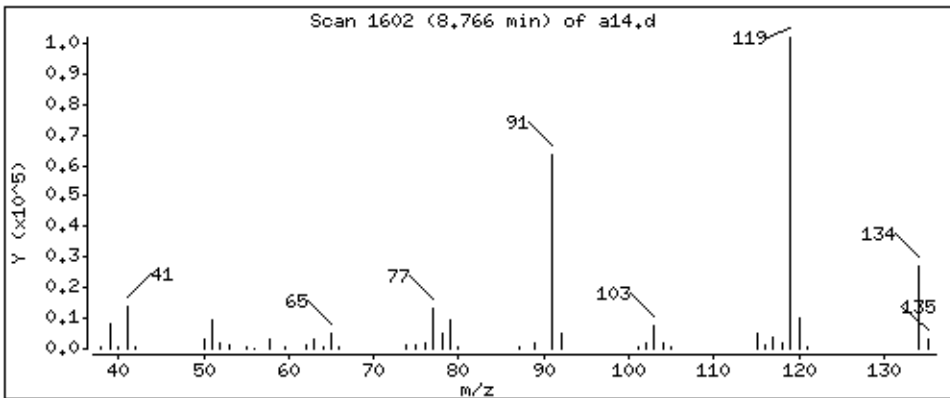
Column phase: DB-624

Column diameter: 0,18

80 tert-Butylbenzene

Concentration: 33,4 ppb

Review Code:



Date : 03-JUL-2014 17:27

Client ID: THW-6(2-4)MSD

Instrument: 50mv3a.i

Sample Info: 1122067,71089;5

Operator: jlz

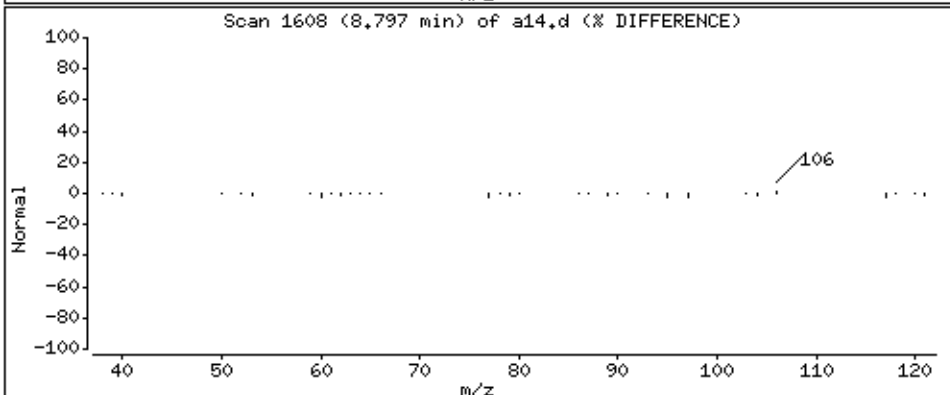
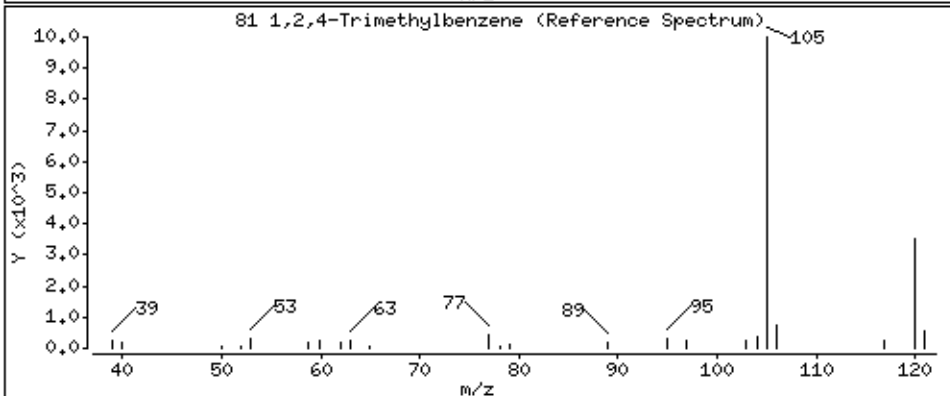
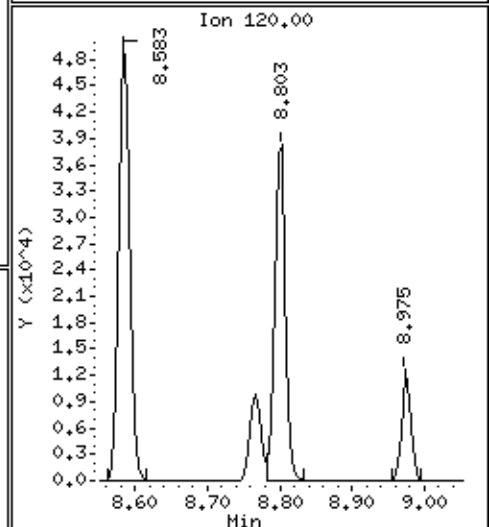
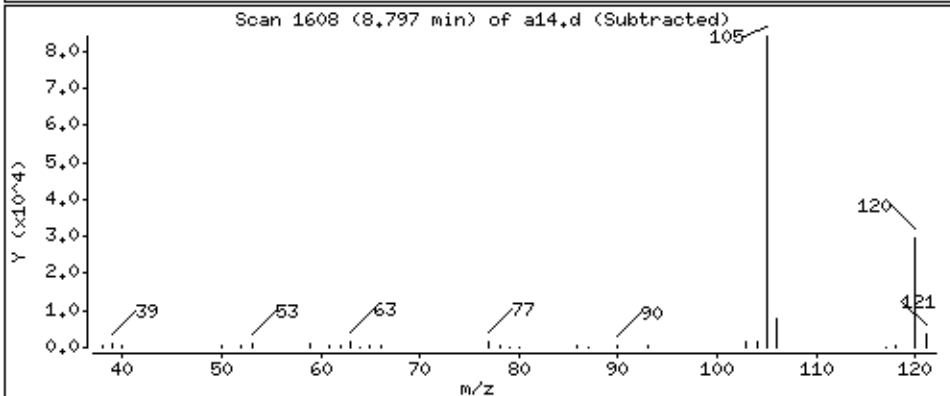
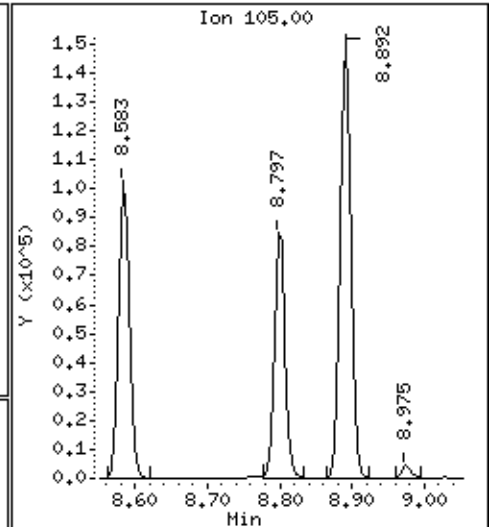
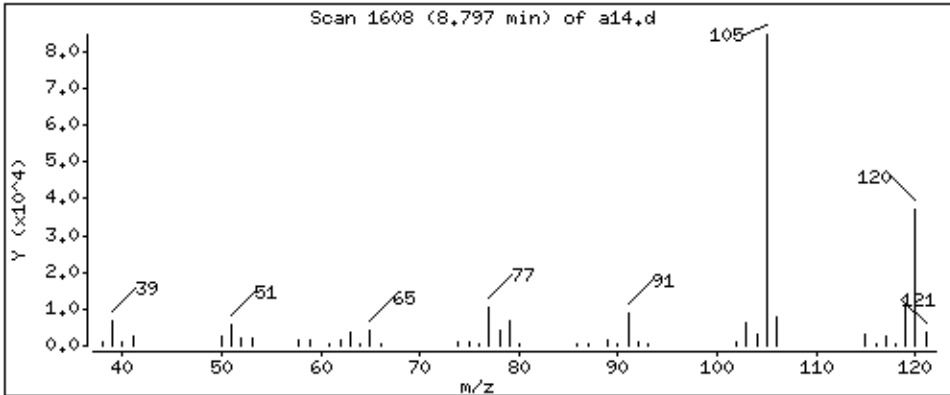
Column phase: DB-624

Column diameter: 0,18

81 1,2,4-Trimethylbenzene

Concentration: 31.4 ppb

Review Code:



Date : 03-JUL-2014 17:27

Client ID: THW-6(2-4)MSD

Instrument: 50mv3a.i

Sample Info: 1122067,71089;5

Operator: jlz

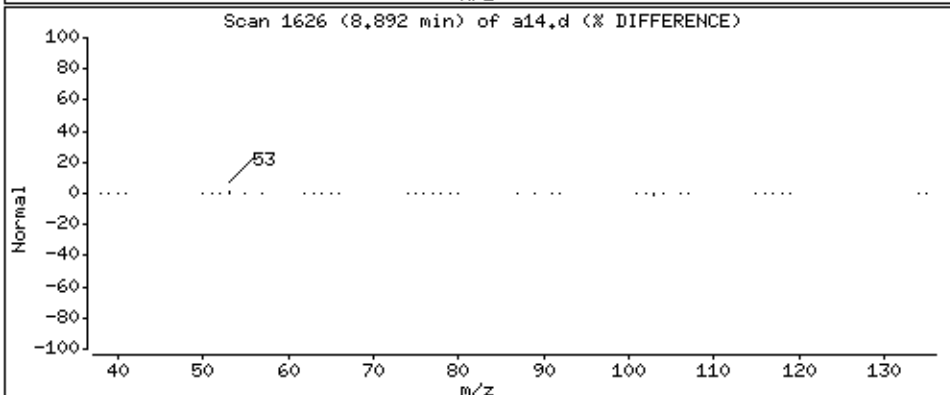
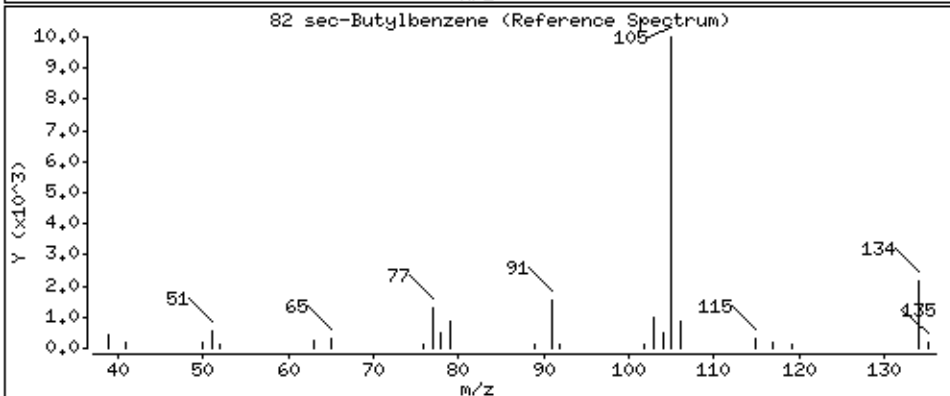
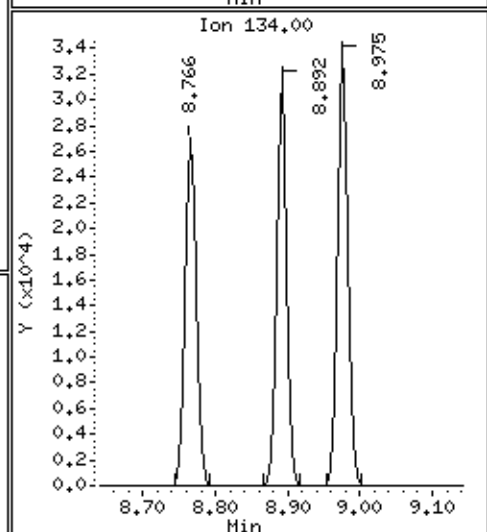
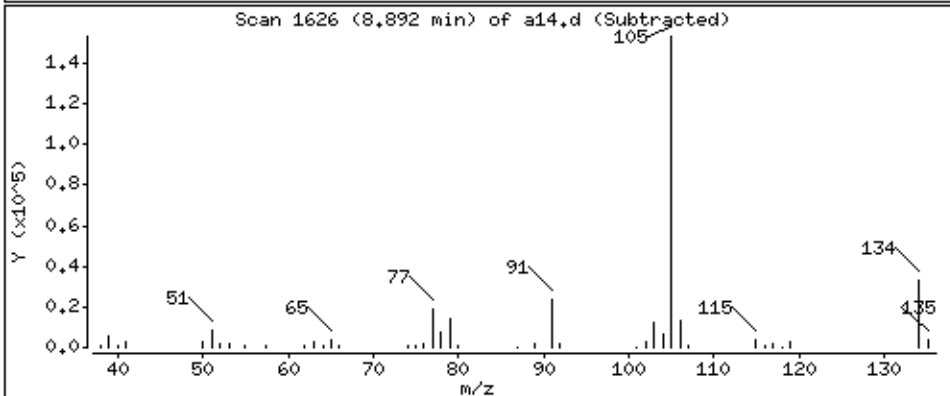
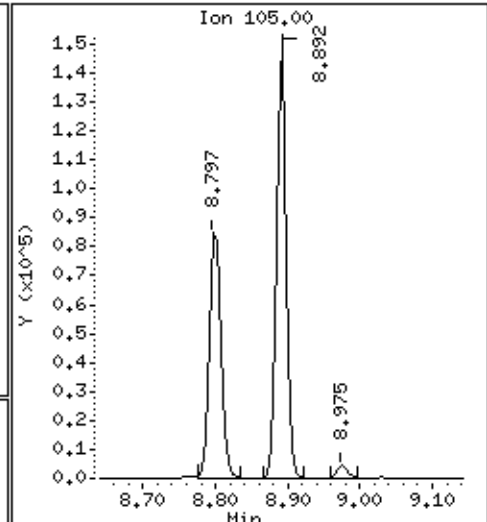
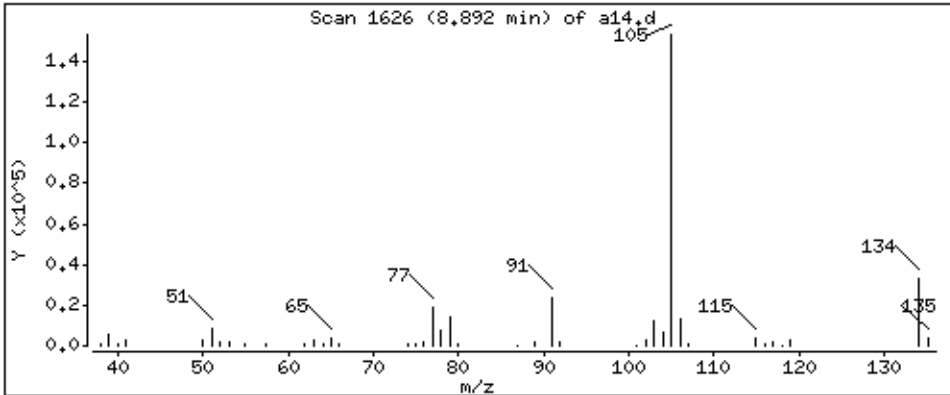
Column phase: DB-624

Column diameter: 0,18

82 sec-Butylbenzene

Concentration: 38,5 ppb

Review Code:



Date : 03-JUL-2014 17:27

Client ID: THW-6(2-4)MSD

Instrument: 50mv3a.i

Sample Info: 1122067,71089;5

Operator: jlz

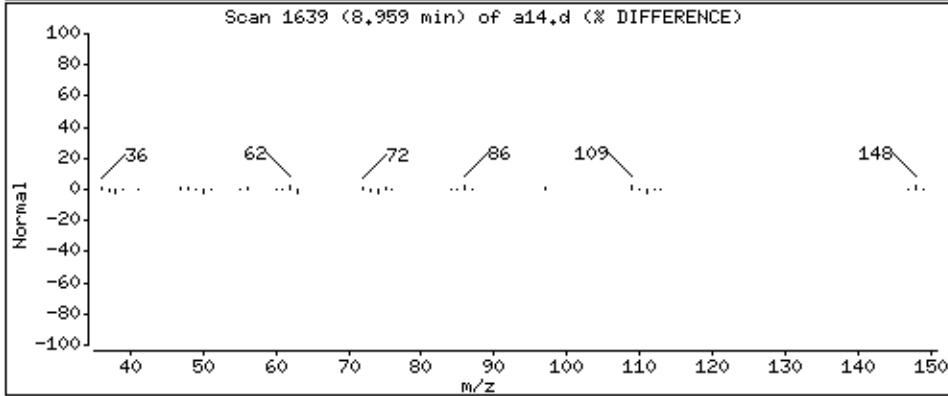
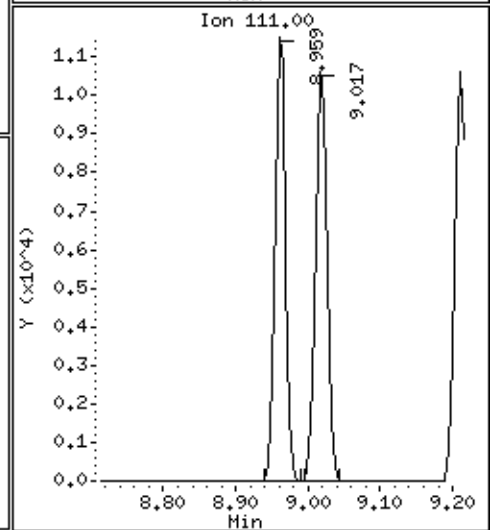
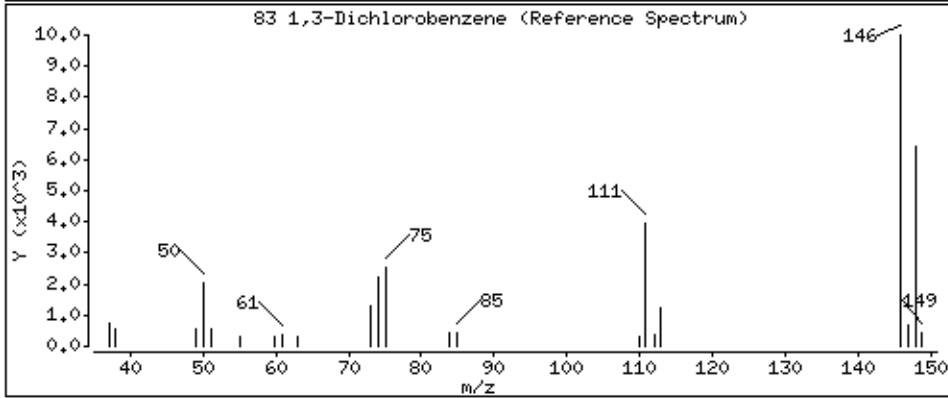
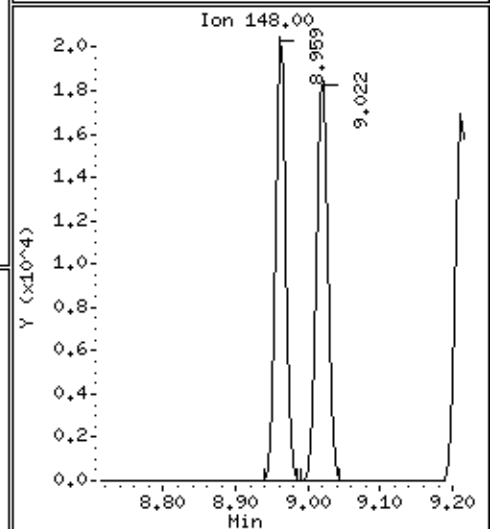
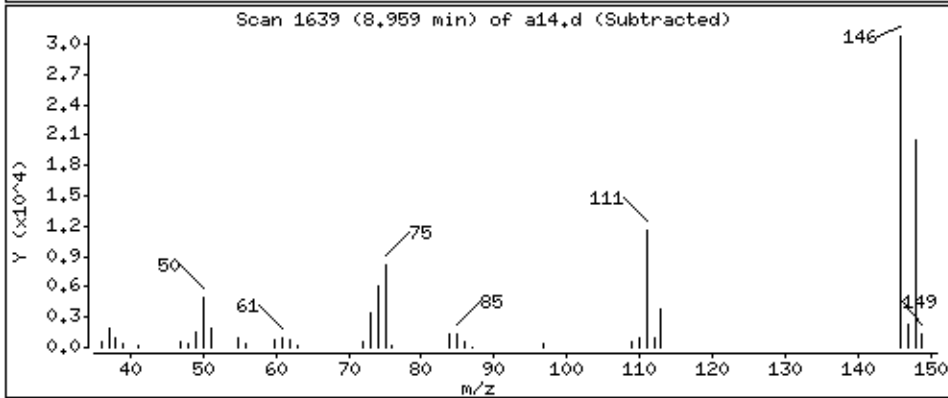
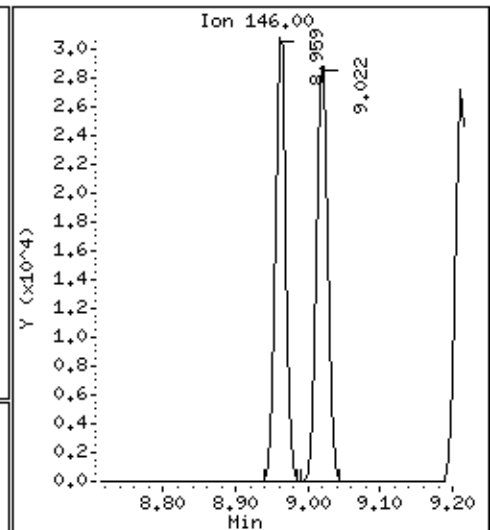
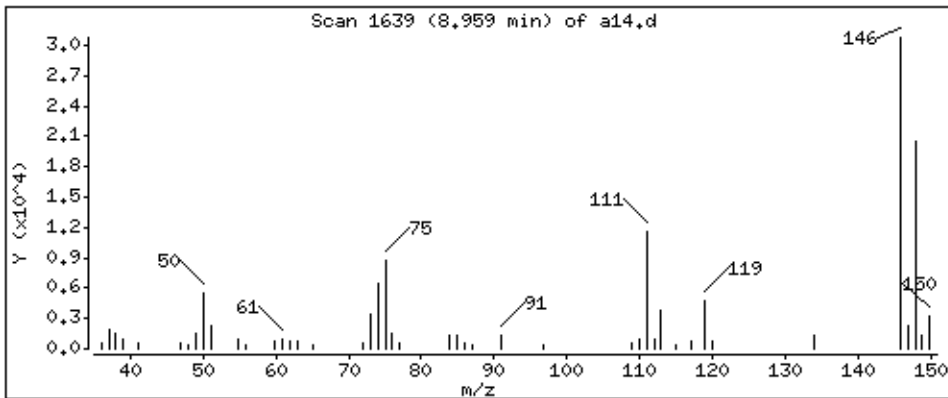
Column phase: DB-624

Column diameter: 0,18

83 1,3-Dichlorobenzene

Concentration: 20,6 ppb

Review Code:



Date : 03-JUL-2014 17:27

Client ID: THW-6(2-4)MSD

Instrument: 50mv3a.i

Sample Info: 1122067,71089;5

Operator: jlz

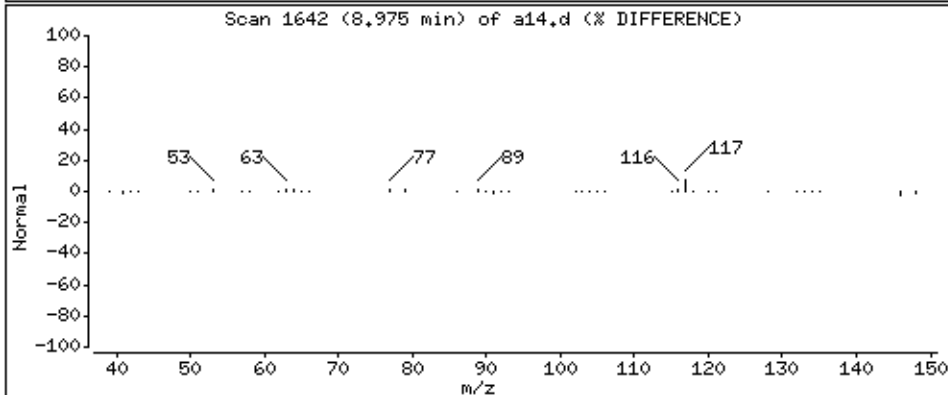
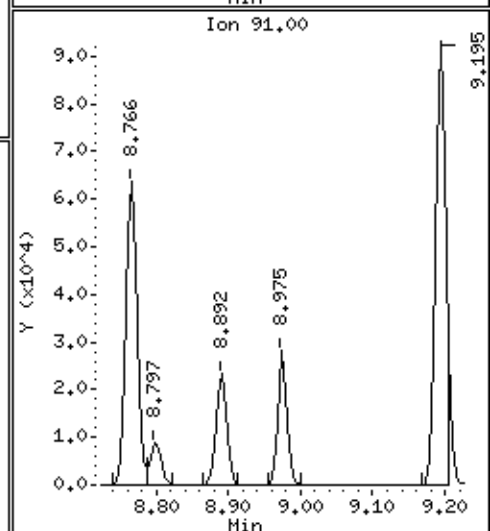
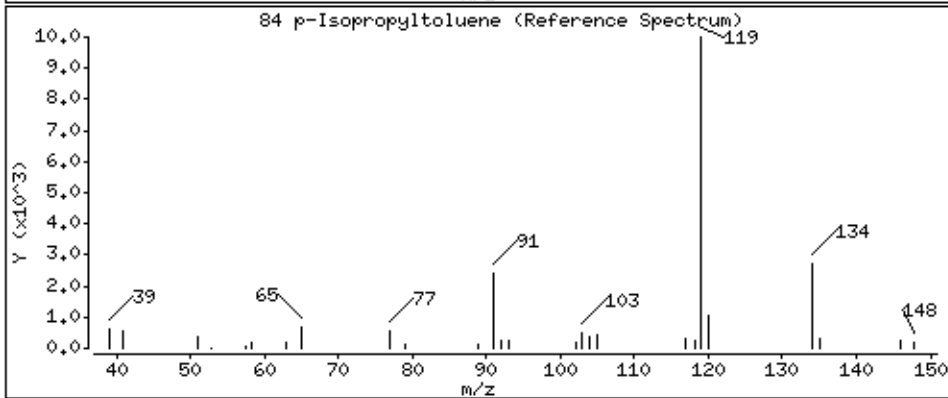
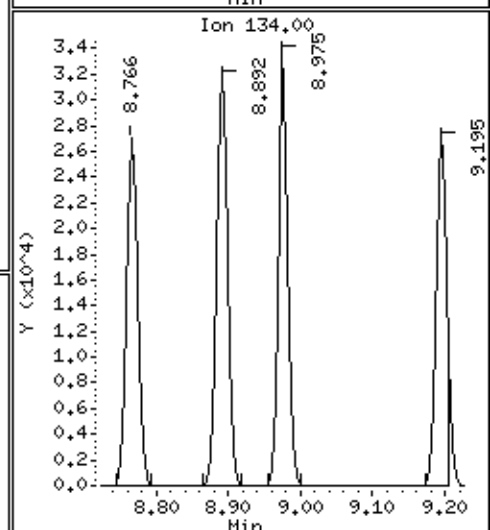
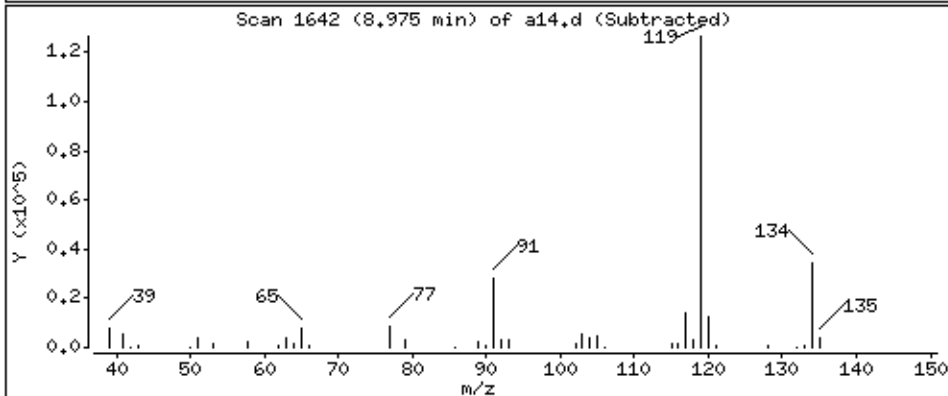
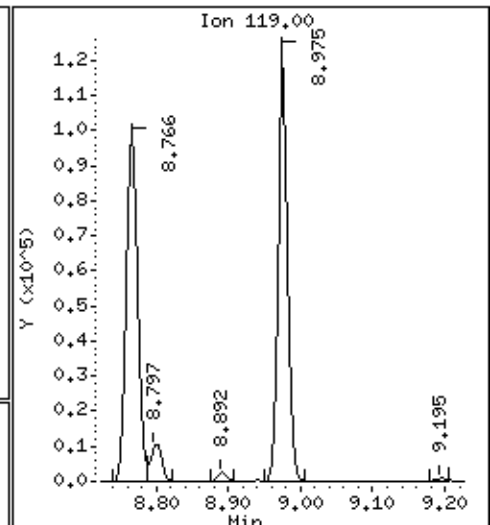
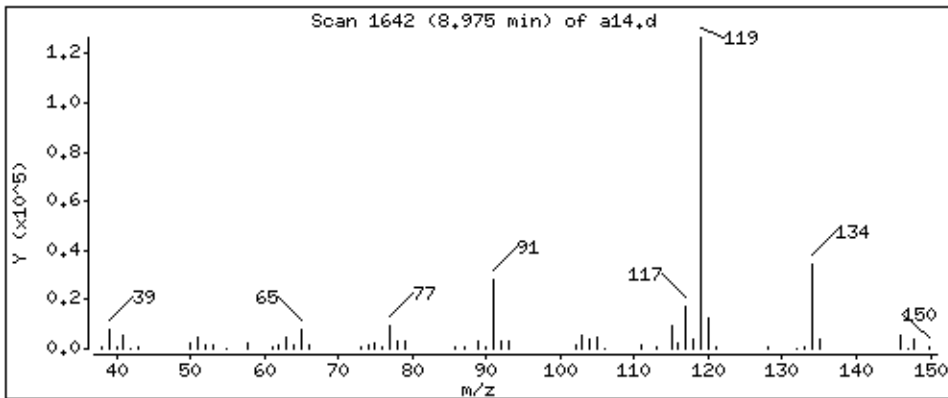
Column phase: DB-624

Column diameter: 0,18

84 p-Isopropyltoluene

Concentration: 34,7 ppb

Review Code:



Date : 03-JUL-2014 17:27

Client ID: THW-6(2-4)MSD

Instrument: 50mv3a.i

Sample Info: 1122067,71089;5

Operator: jlz

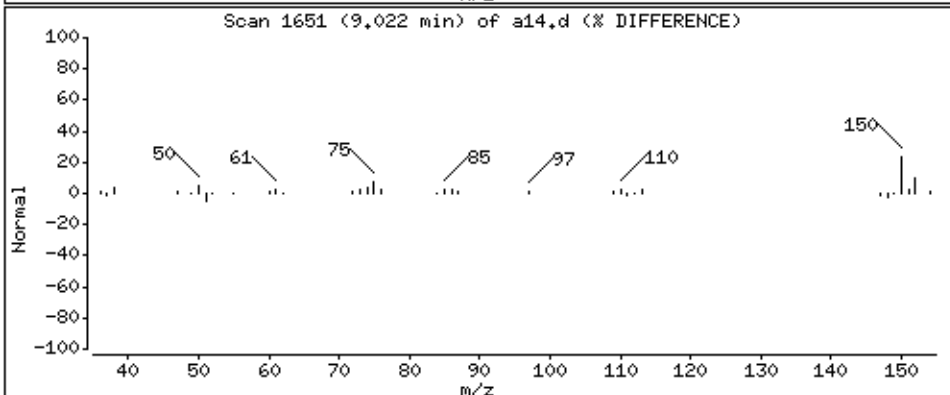
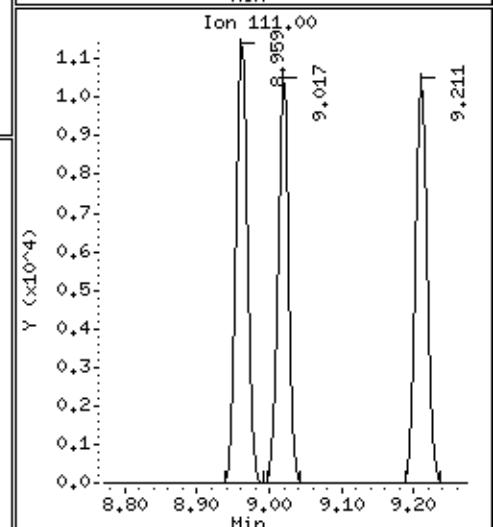
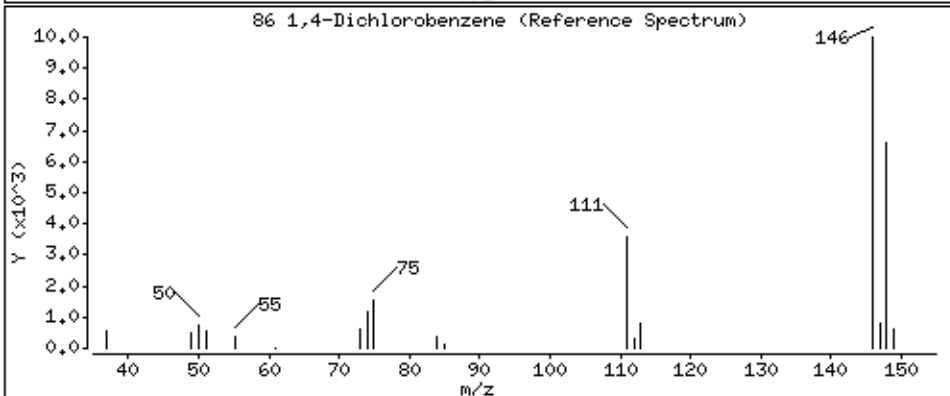
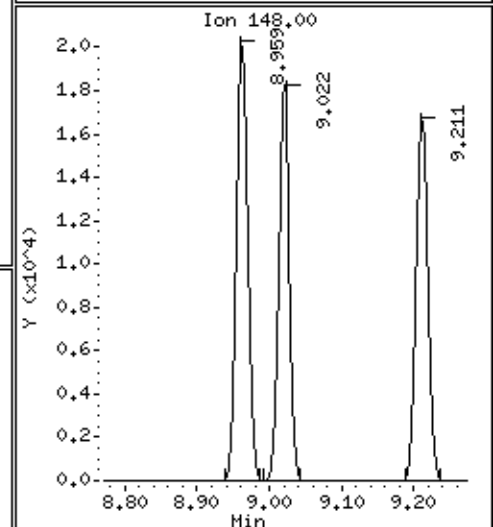
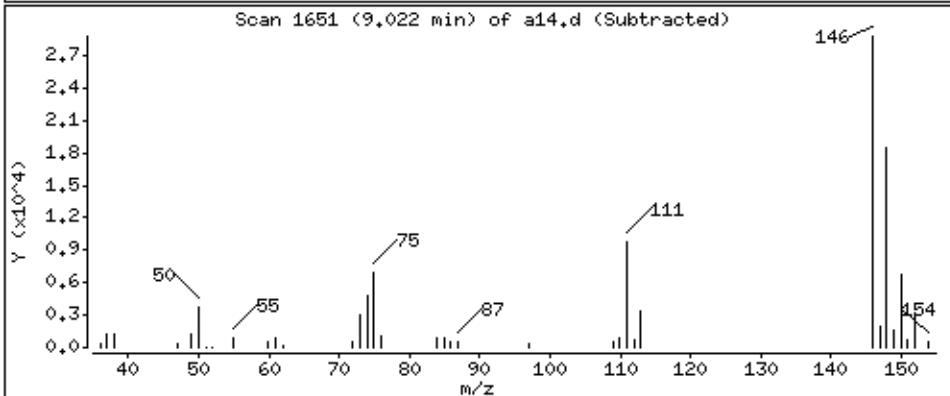
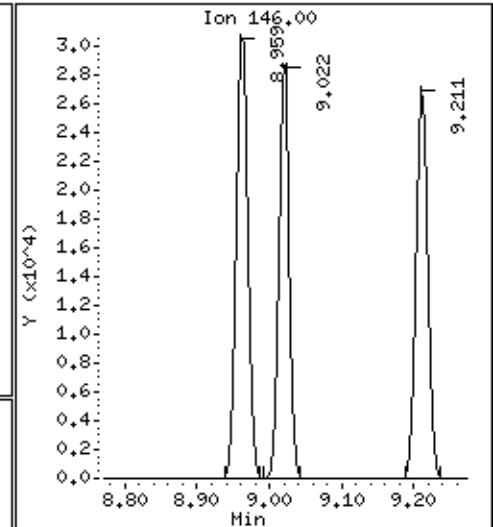
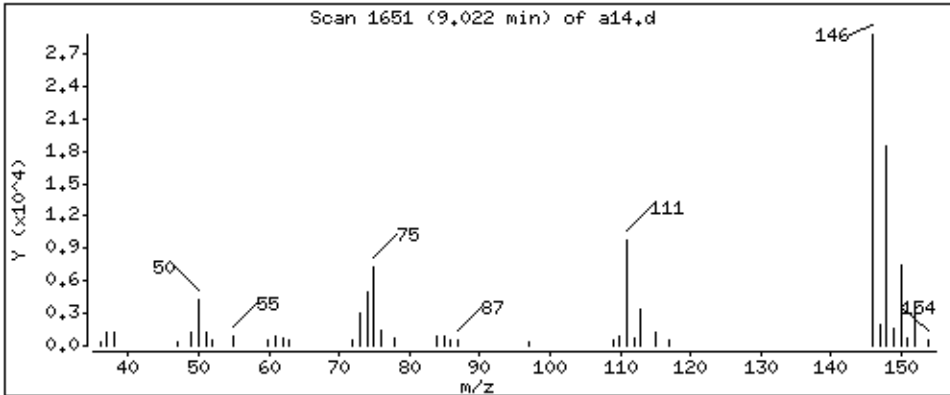
Column phase: DB-624

Column diameter: 0,18

86 1,4-Dichlorobenzene

Concentration: 19,0 ppb

Review Code:



Date : 03-JUL-2014 17:27

Client ID: THW-6(2-4)MSD

Instrument: 50mw3a.i

Sample Info: 1122067,71089;5

Operator: jlz

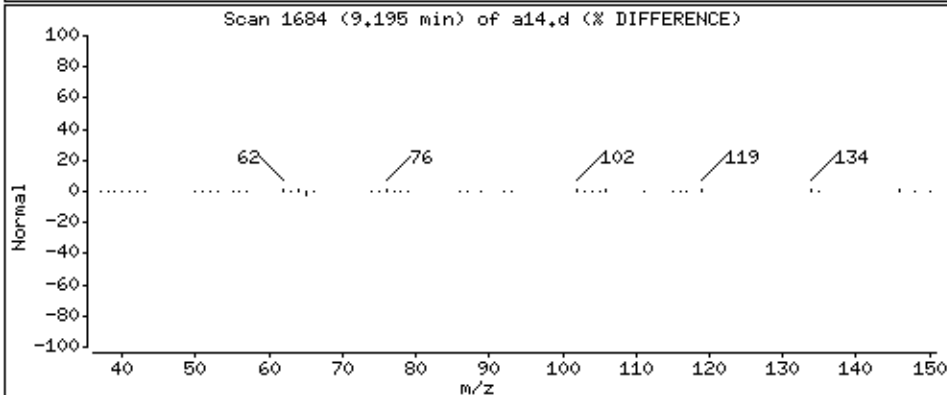
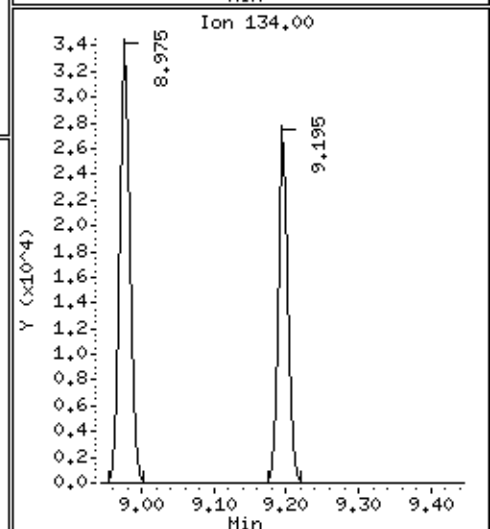
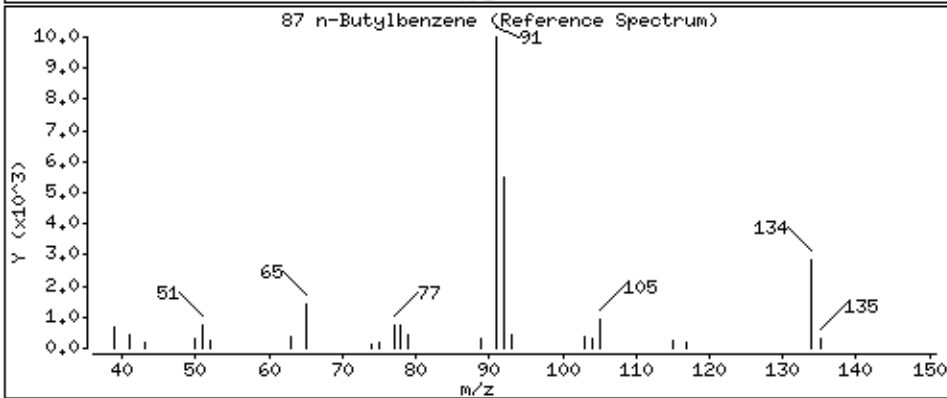
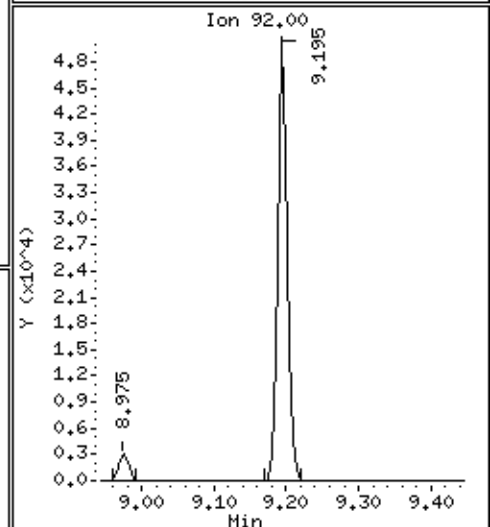
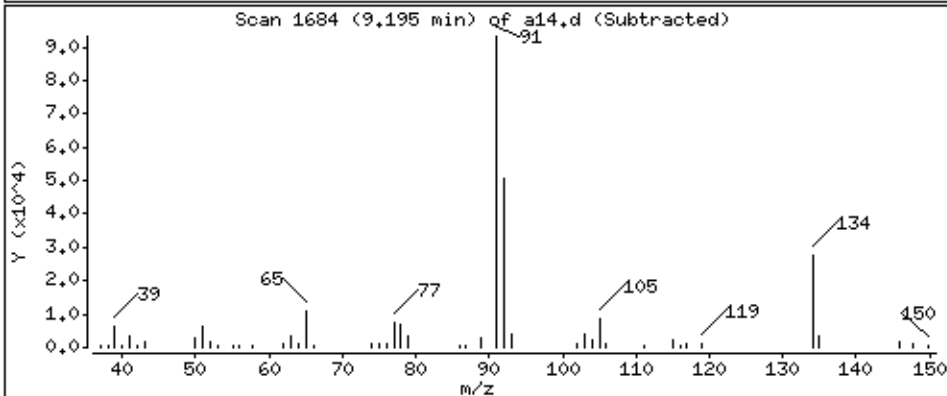
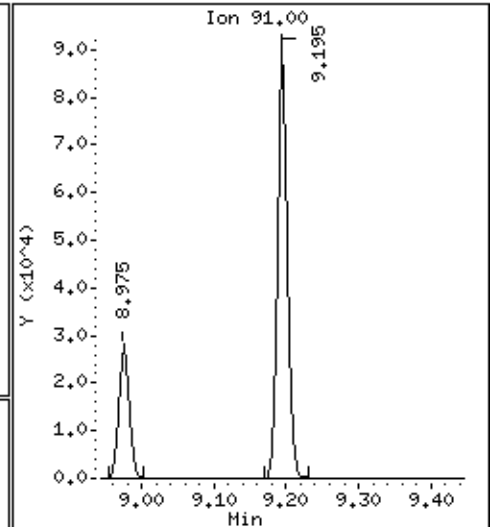
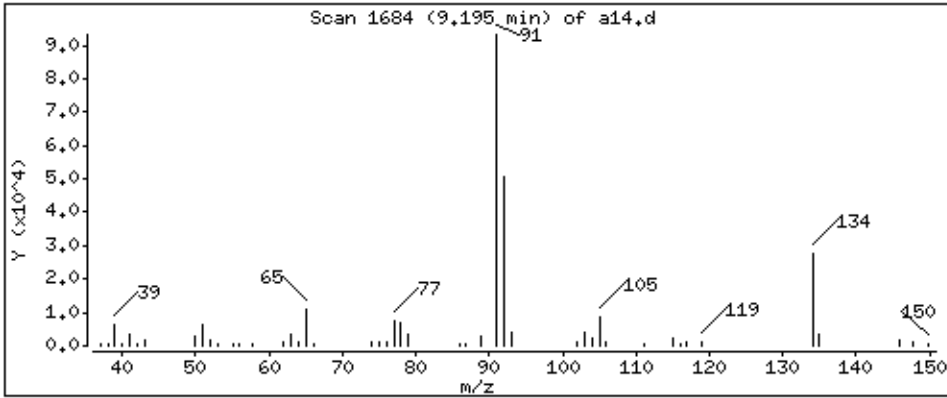
Column phase: DB-624

Column diameter: 0,18

87 n-Butylbenzene

Concentration: 30,2 ppb

Review Code:



Date : 03-JUL-2014 17:27

Client ID: THW-6(2-4)MSD

Instrument: 50mv3a.i

Sample Info: 1122067,71089;5

Operator: jlz

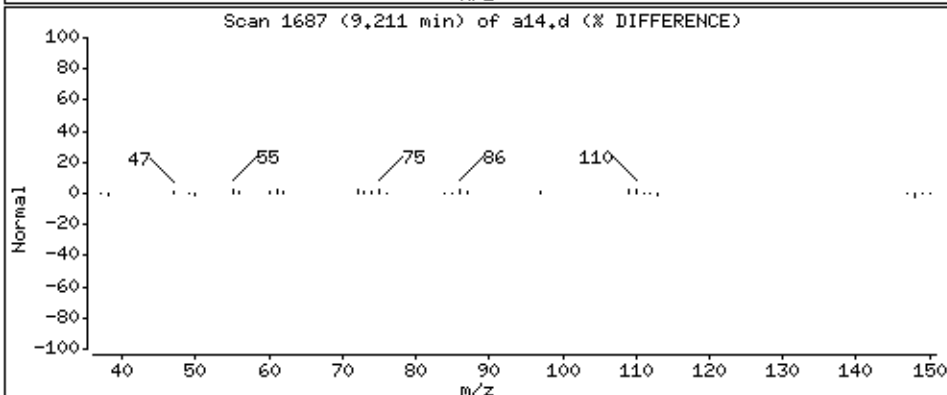
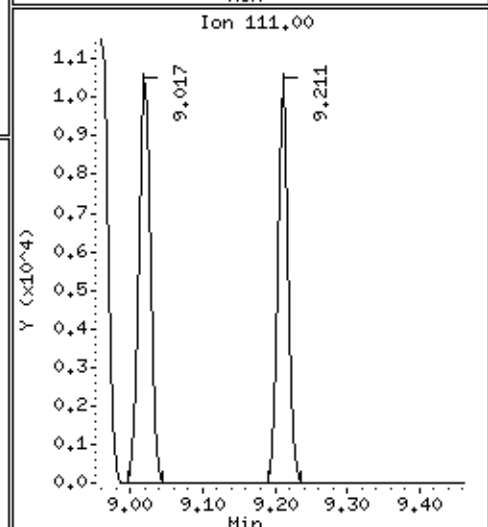
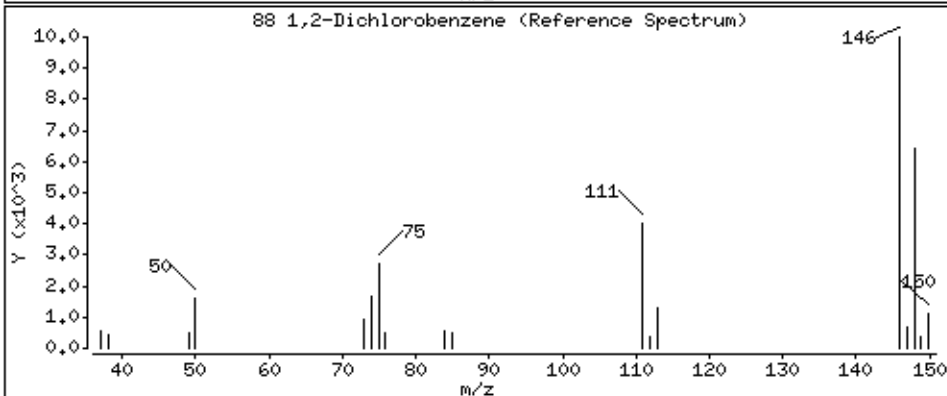
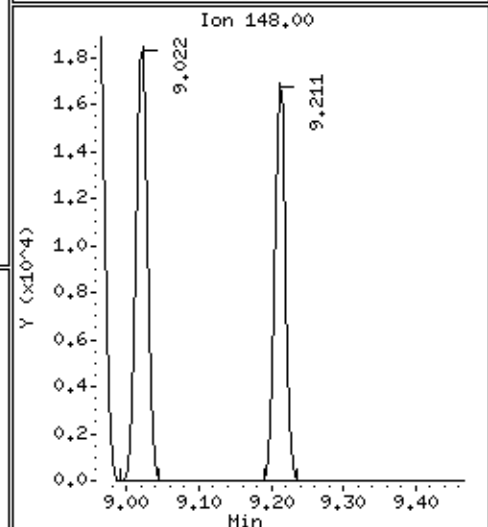
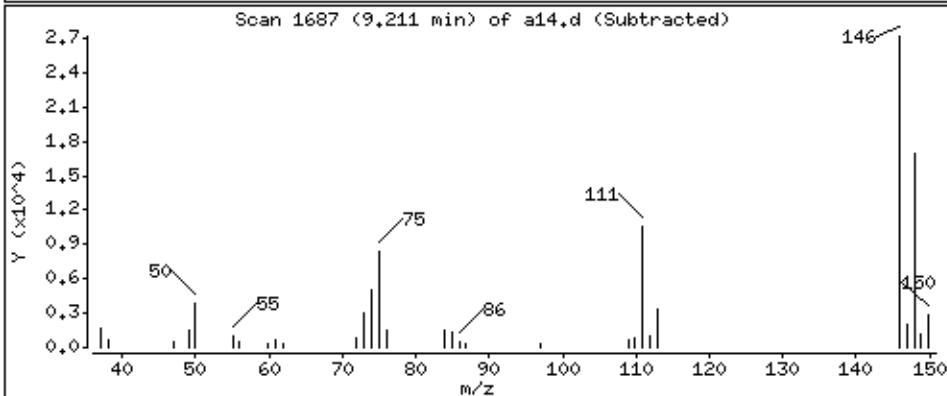
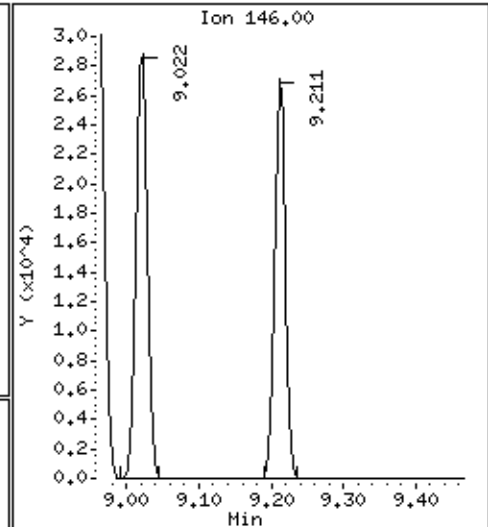
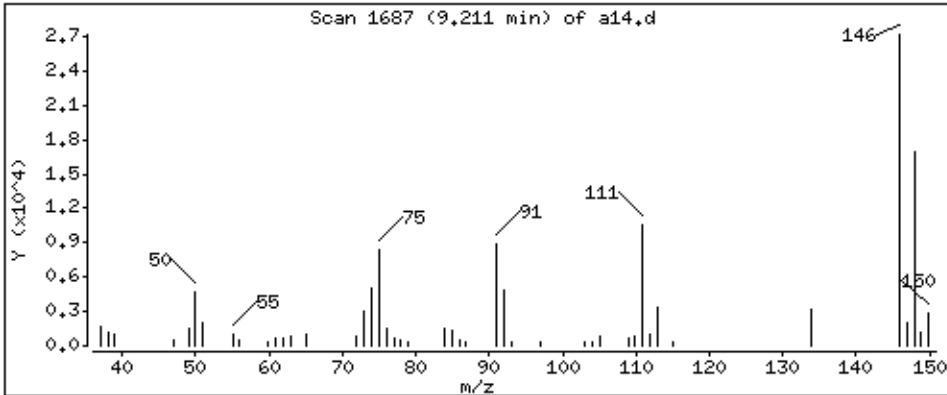
Column phase: DB-624

Column diameter: 0,18

88 1,2-Dichlorobenzene

Concentration: 20,8 ppb

Review Code:



Date : 03-JUL-2014 17:27

Client ID: THW-6(2-4)MSD

Instrument: 50mw3a.i

Sample Info: 1122067,71089;5

Operator: jlz

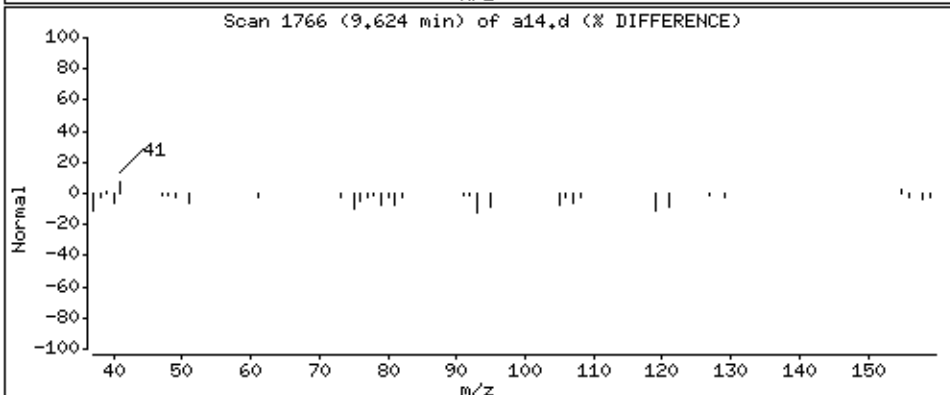
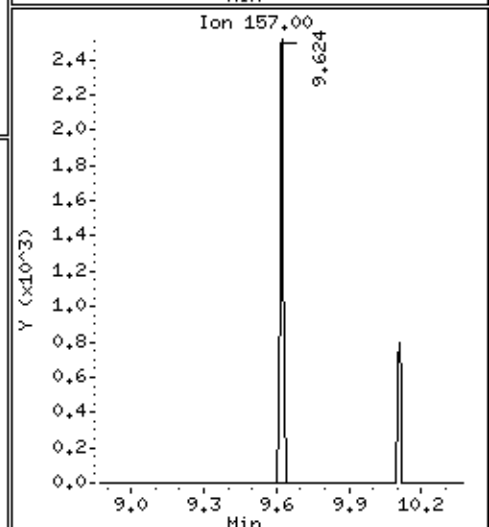
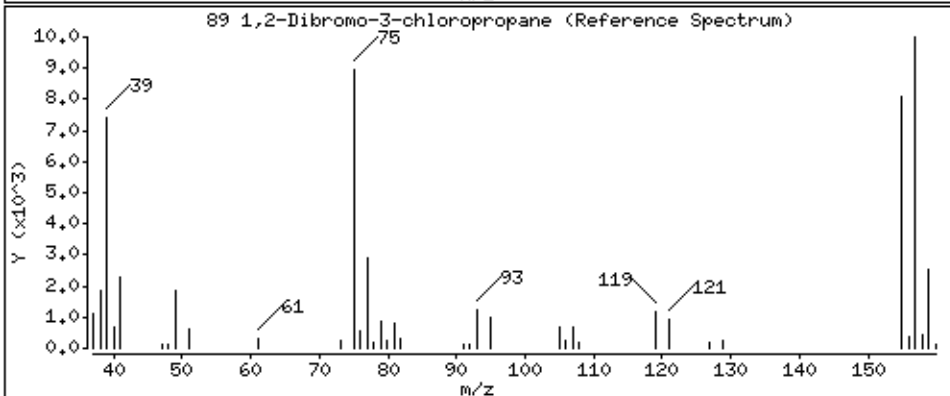
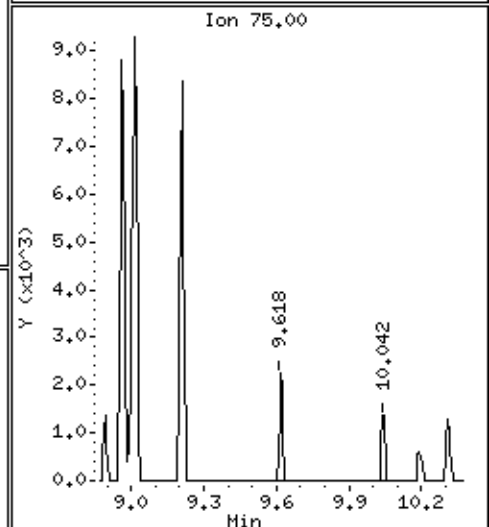
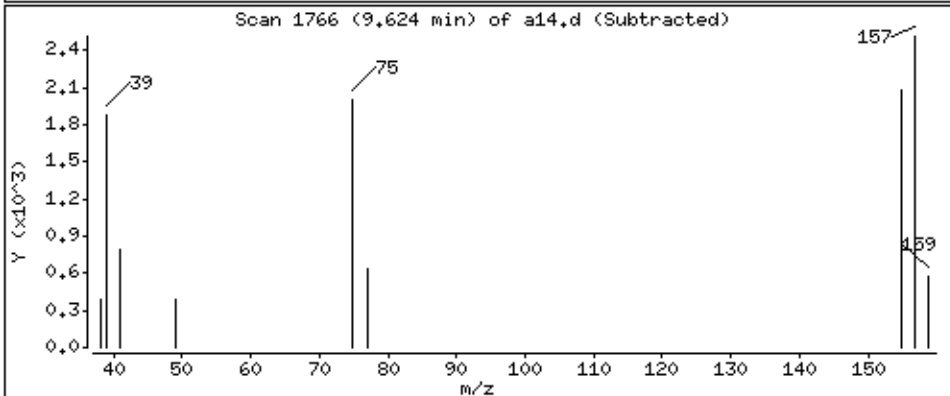
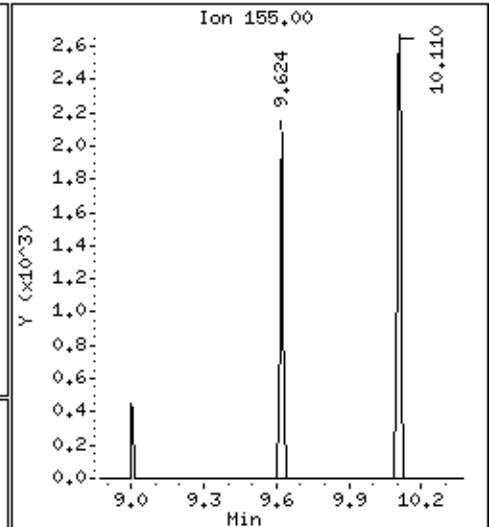
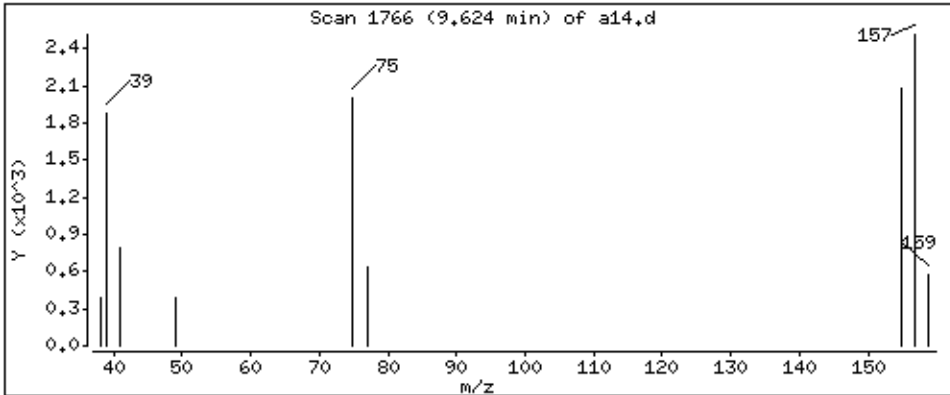
Column phase: DB-624

Column diameter: 0,18

89 1,2-Dibromo-3-chloropropane

Concentration: 20,9 ppb

Review Code:



Date : 03-JUL-2014 17:27

Client ID: THW-6(2-4)MSD

Instrument: 50mv3a.i

Sample Info: 1122067,71089;5

Operator: jlz

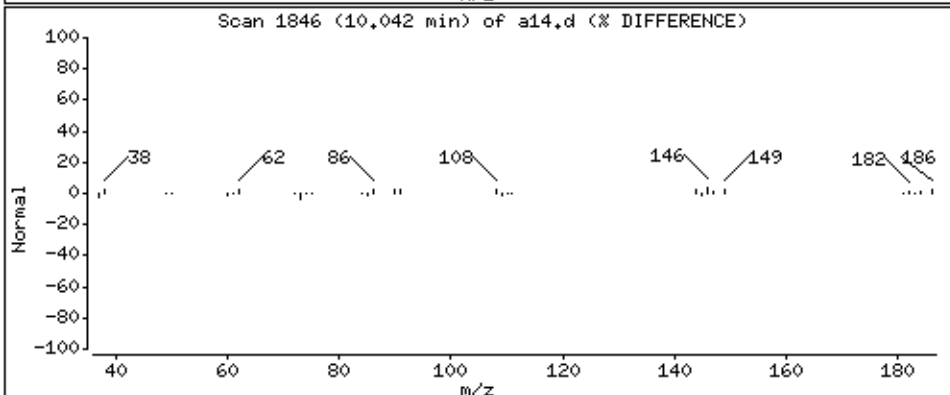
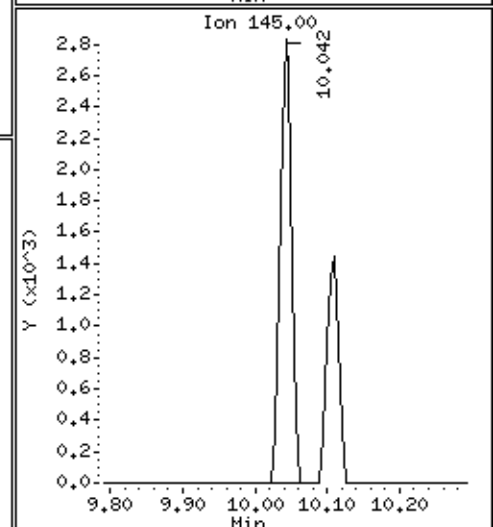
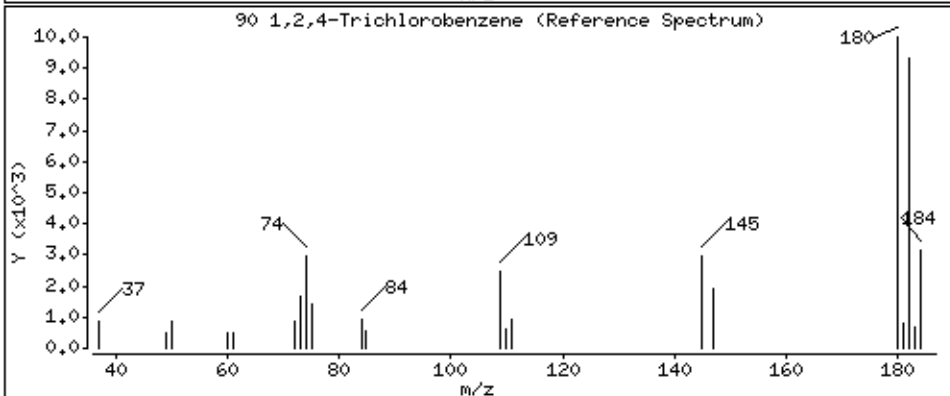
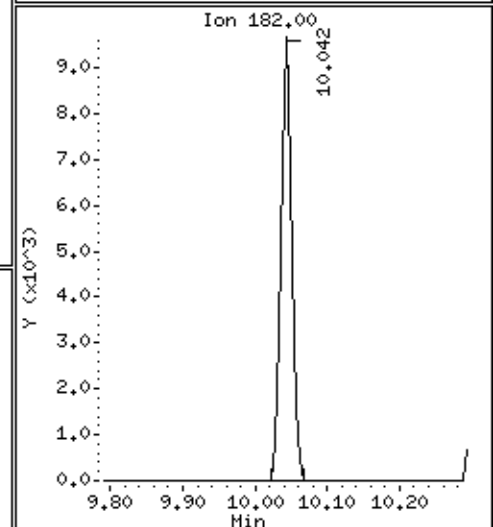
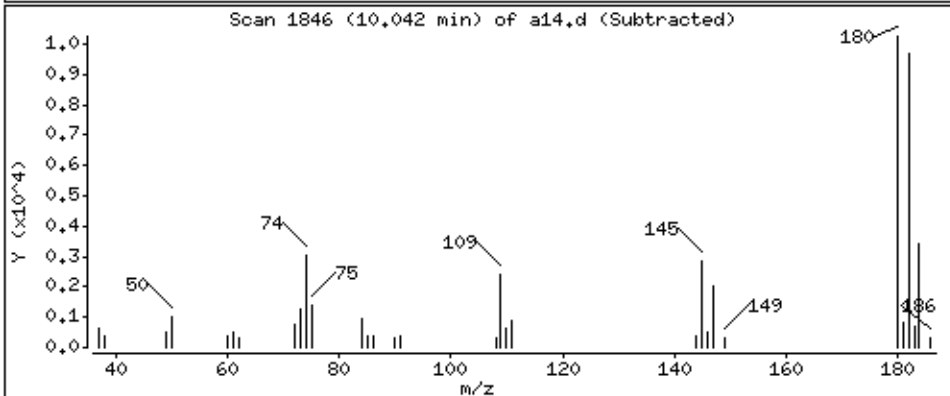
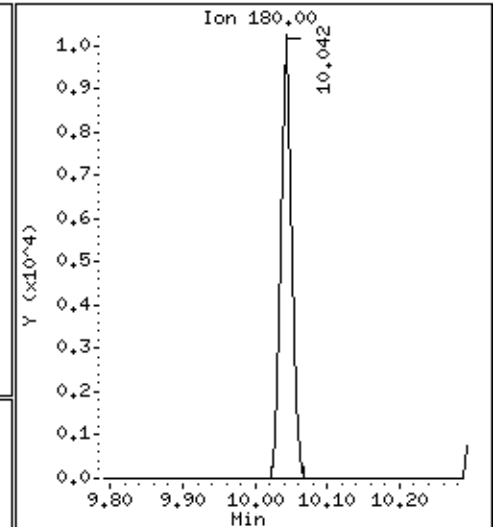
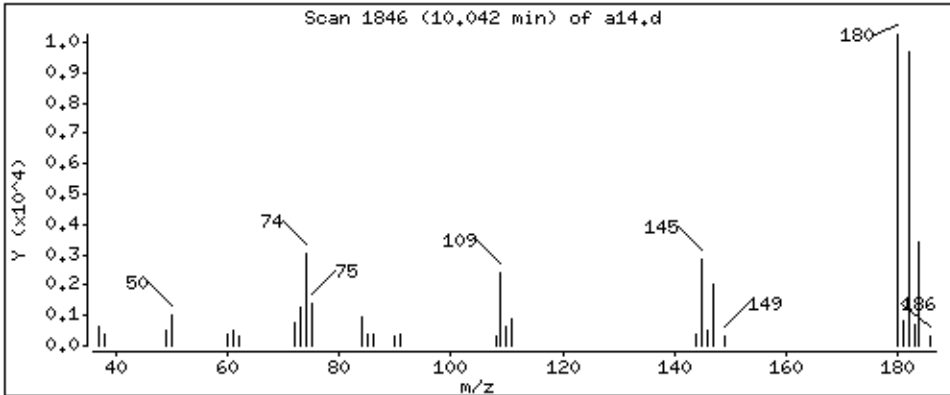
Column phase: DB-624

Column diameter: 0,18

90 1,2,4-Trichlorobenzene

Concentration: 11.4 ppb

Review Code:



Date : 03-JUL-2014 17:27

Client ID: THW-6(2-4)MSD

Instrument: 50mv3a.i

Sample Info: 1122067,71089;5

Operator: jlz

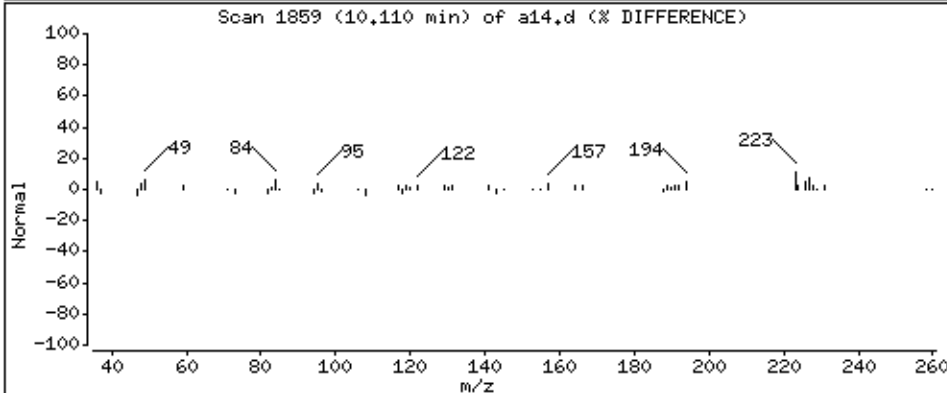
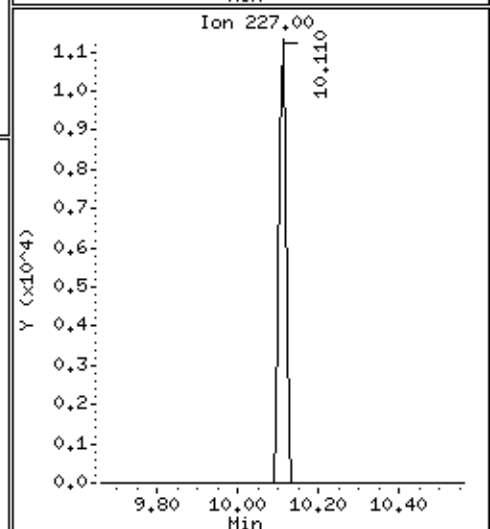
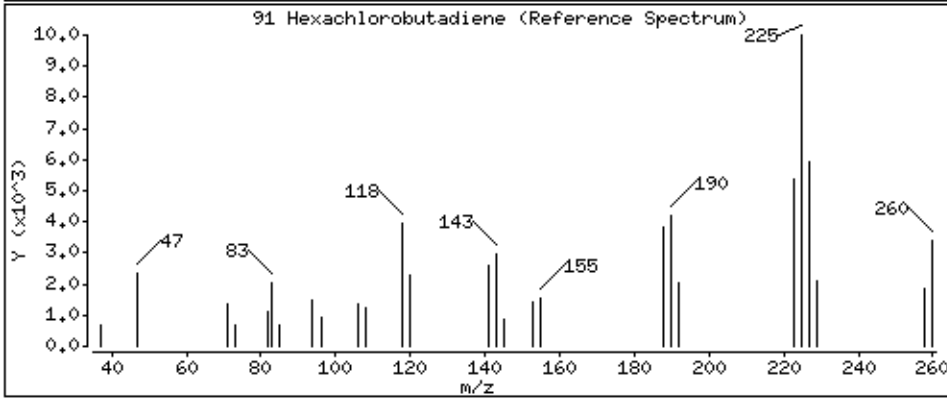
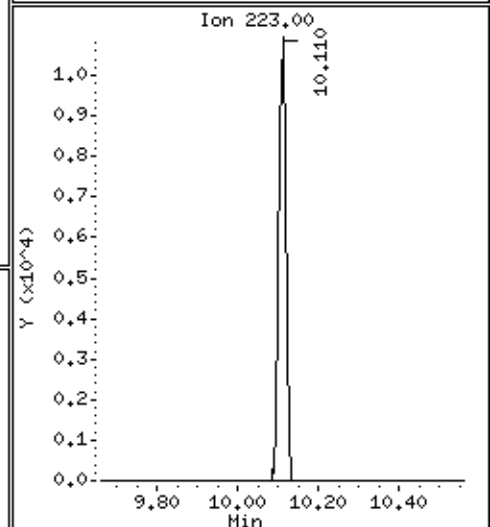
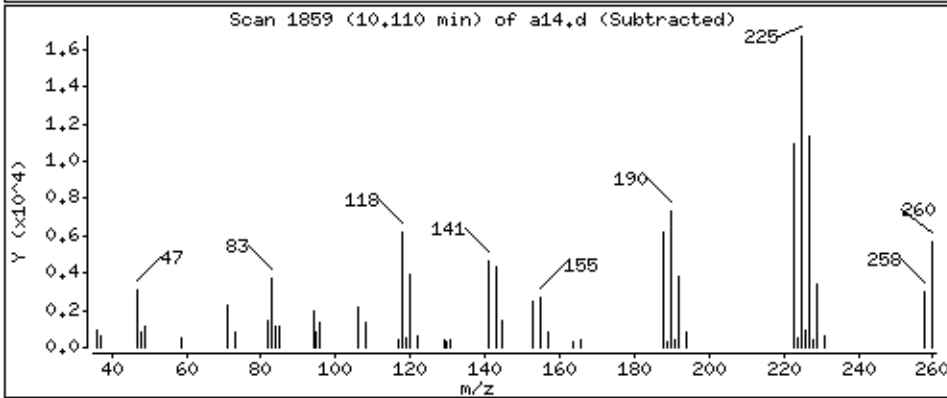
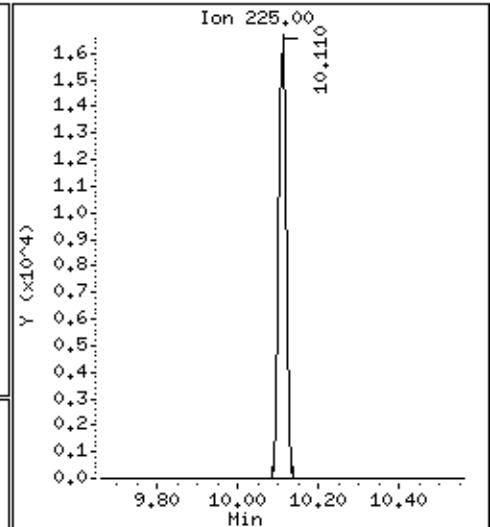
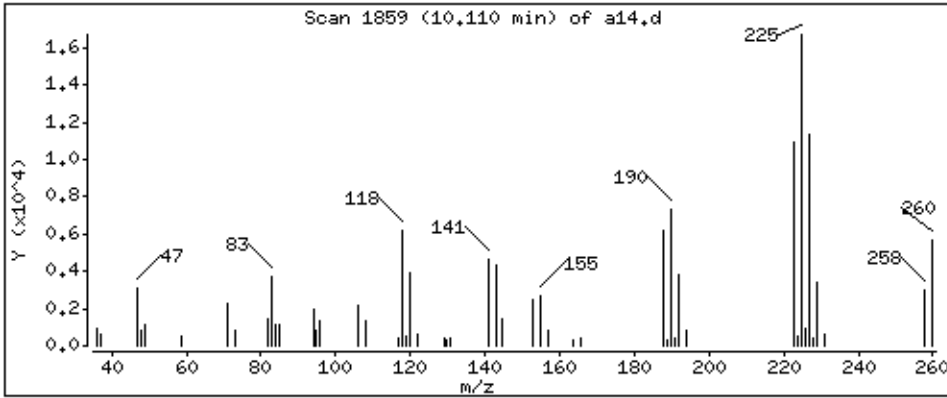
Column phase: DB-624

Column diameter: 0,18

91 Hexachlorobutadiene

Concentration: 29.2 ppb

Review Code:



Date : 03-JUL-2014 17:27

Client ID: THW-6(2-4)MSD

Instrument: 50mv3a.i

Sample Info: 1122067,71089;5

Operator: jlz

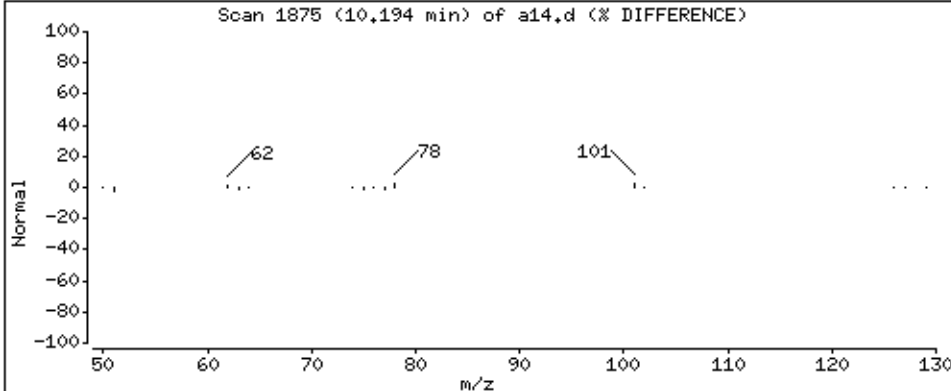
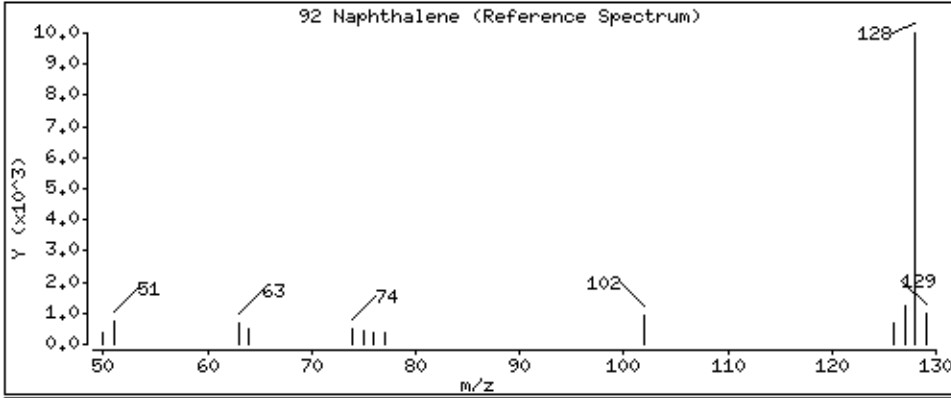
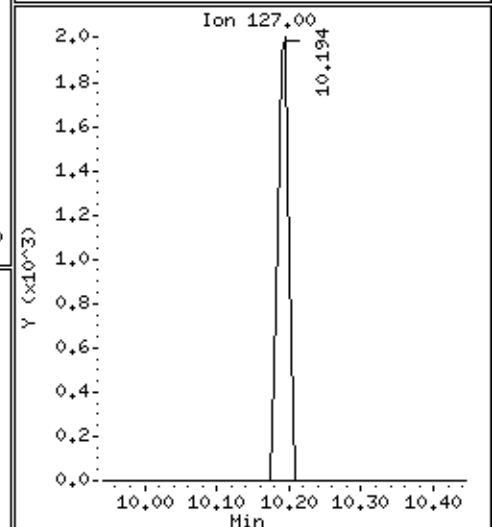
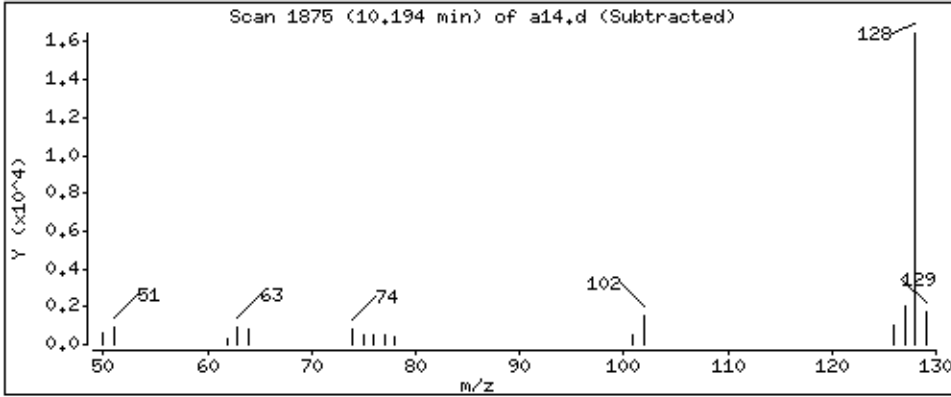
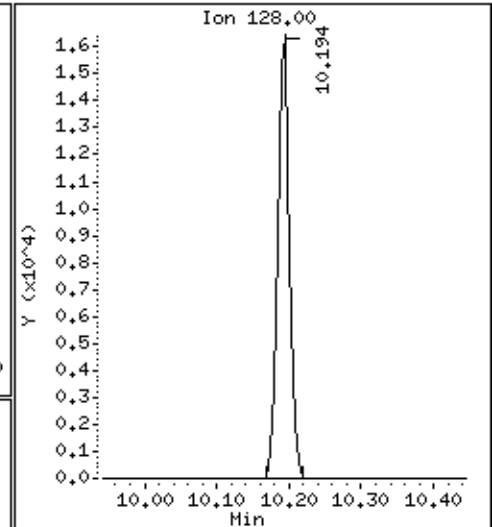
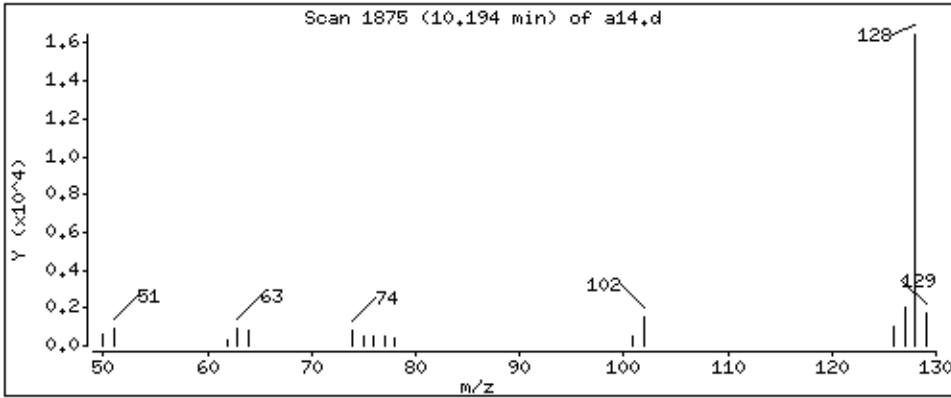
Column phase: DB-624

Column diameter: 0,18

92 Naphthalene

Concentration: 11.1 ppb

Review Code:



Date : 03-JUL-2014 17:27

Client ID: THW-6(2-4)MSD

Instrument: 50mv3a.i

Sample Info: 1122067,71089;5

Operator: jlz

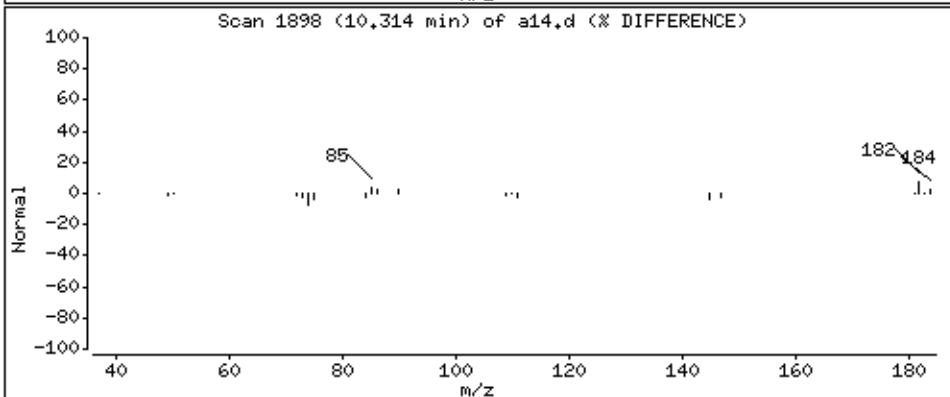
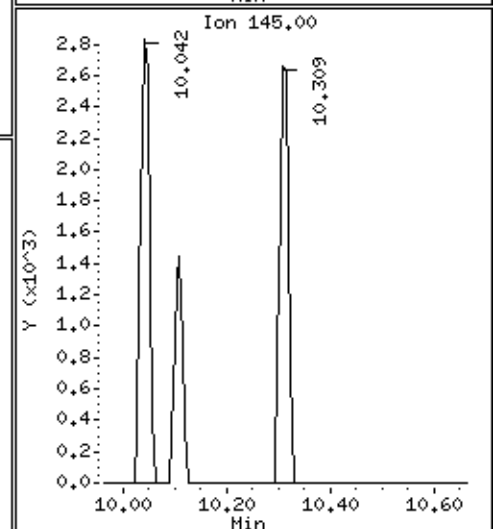
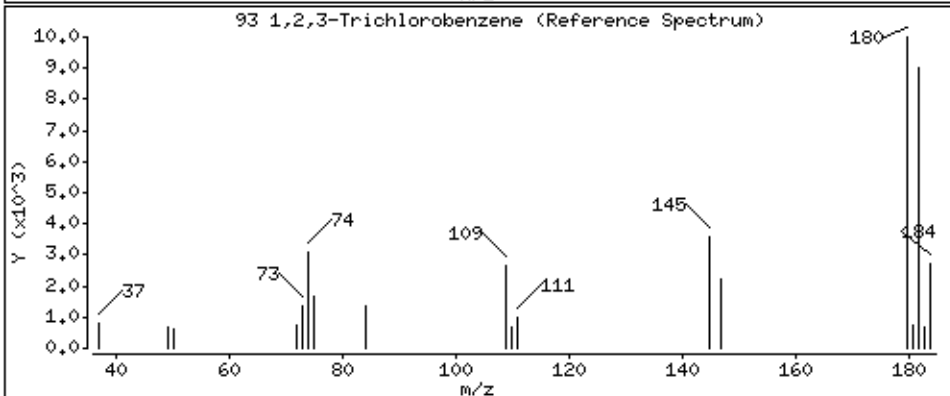
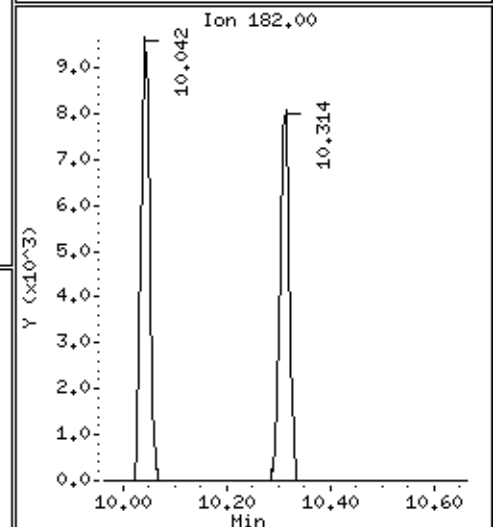
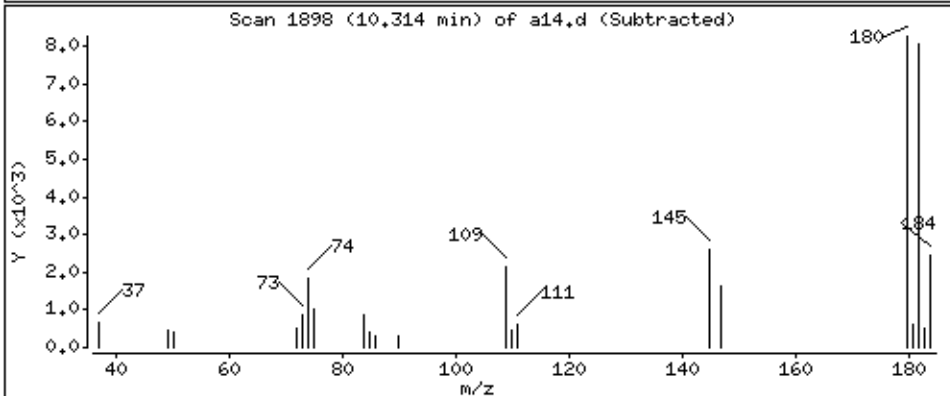
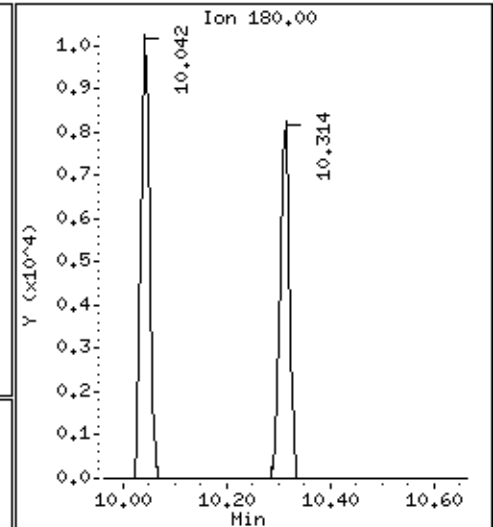
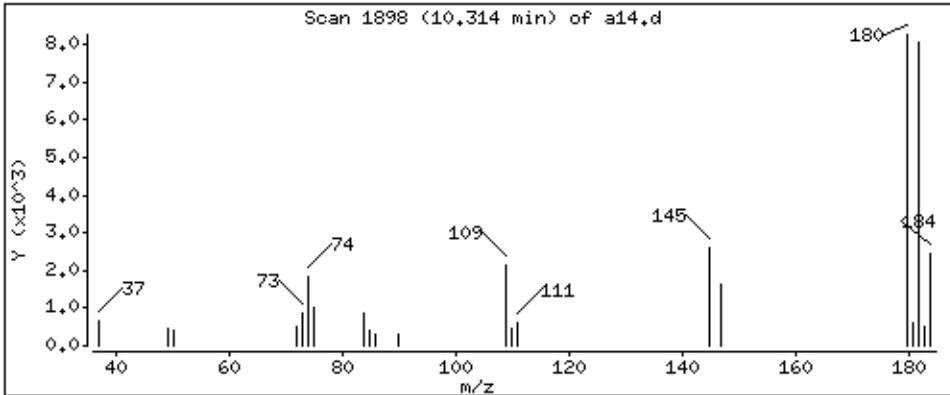
Column phase: DB-624

Column diameter: 0,18

93 1,2,3-Trichlorobenzene

Concentration: 11.0 ppb

Review Code:



Date : 03-JUL-2014 17:27

Client ID: THW-6(2-4)MSD

Instrument: 50mw3a.i

Sample Info: 1122067,71089;5

Operator: jlz

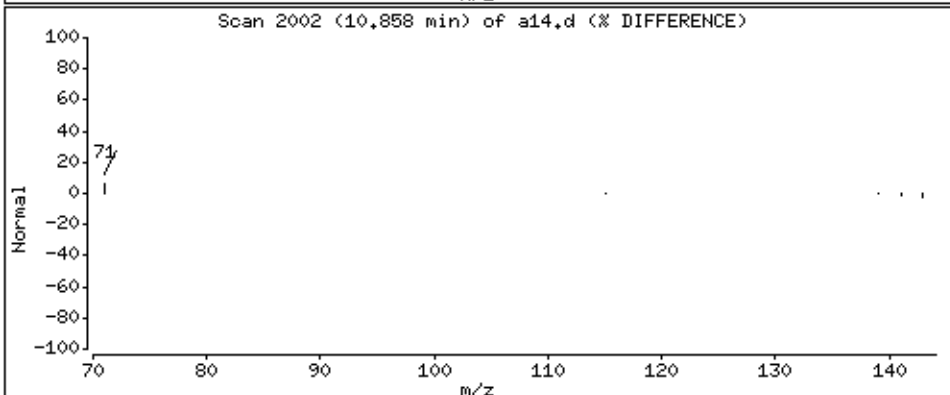
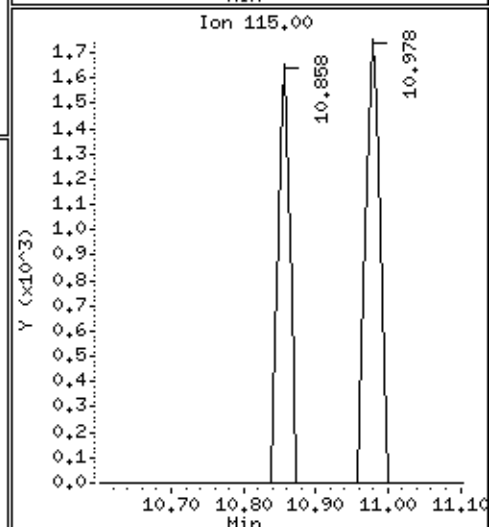
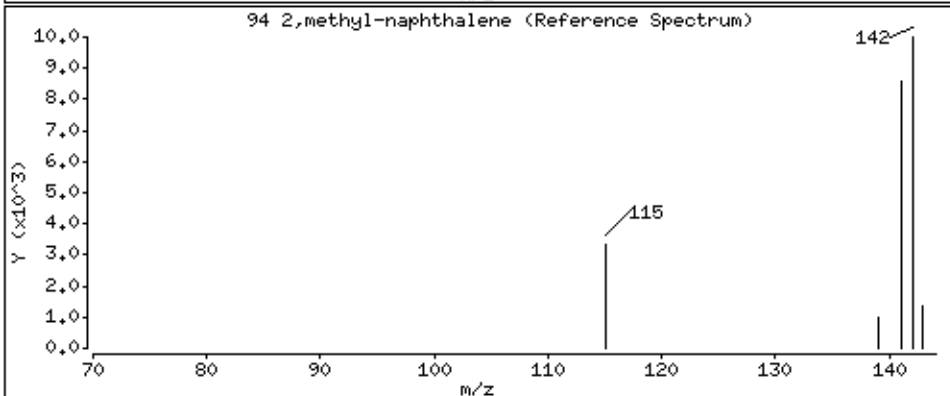
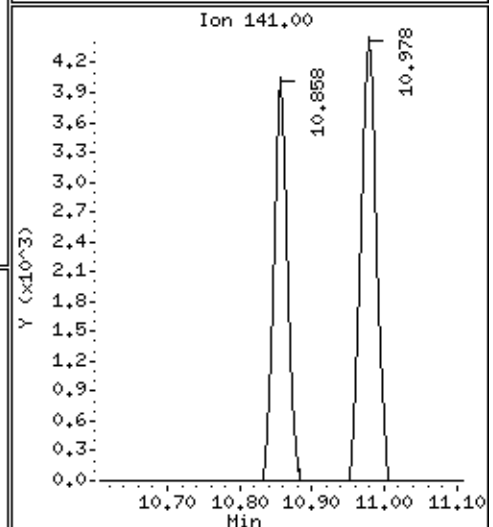
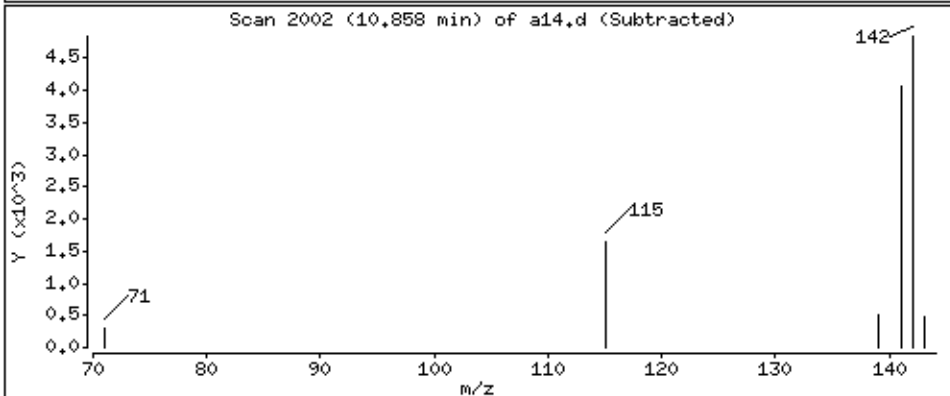
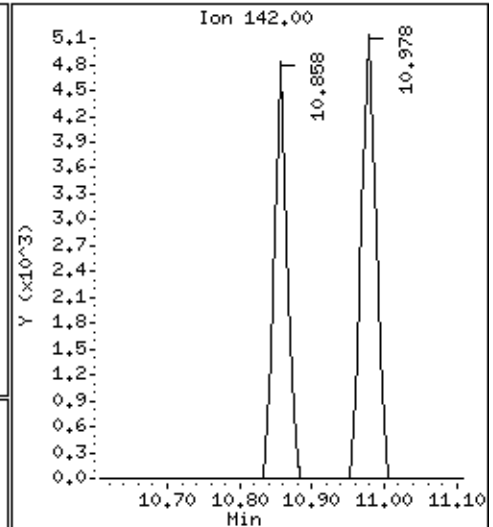
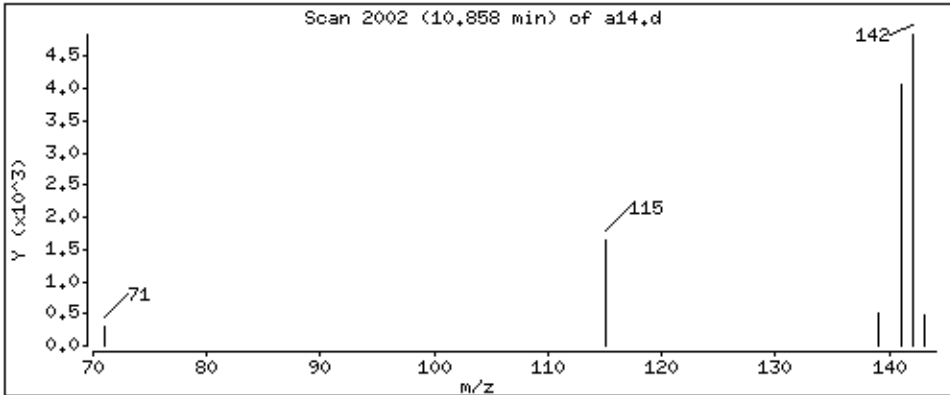
Column phase: DB-624

Column diameter: 0,18

94 2,methyl-naphthalene

Concentration: 5,79 ppb

Review Code:



Date : 03-JUL-2014 17:27

Client ID: THW-6(2-4)MSD

Instrument: 50mv3a.i

Sample Info: 1122067,71089;5

Operator: jlz

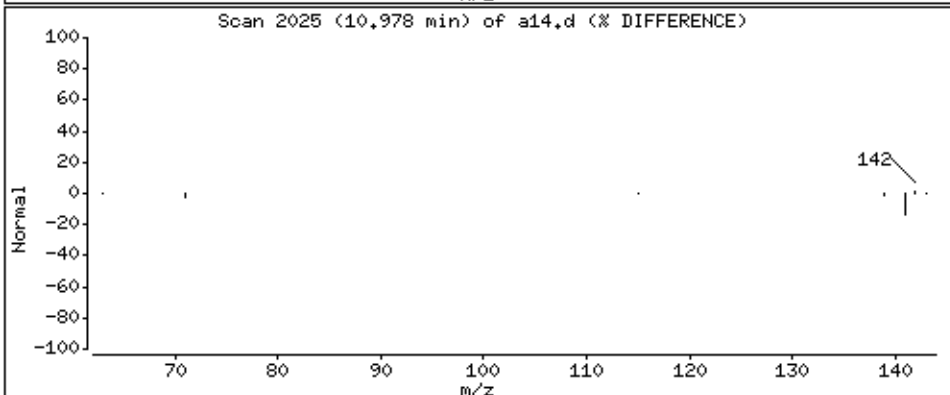
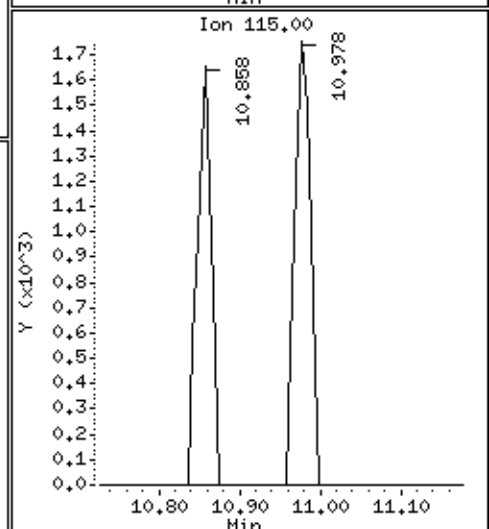
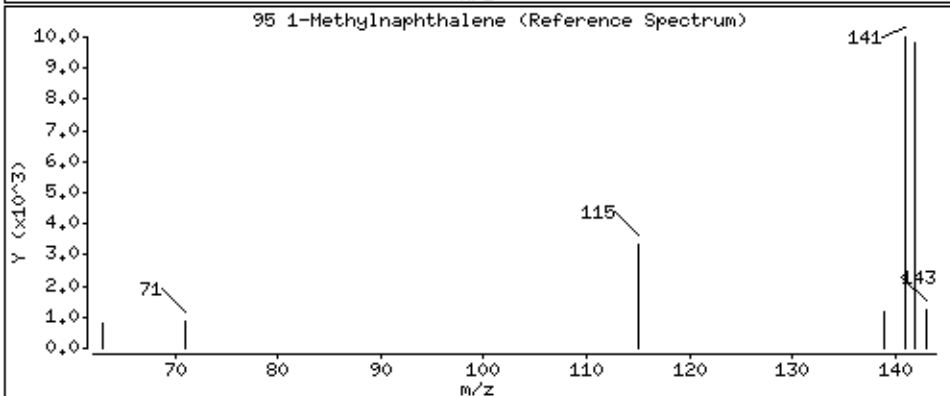
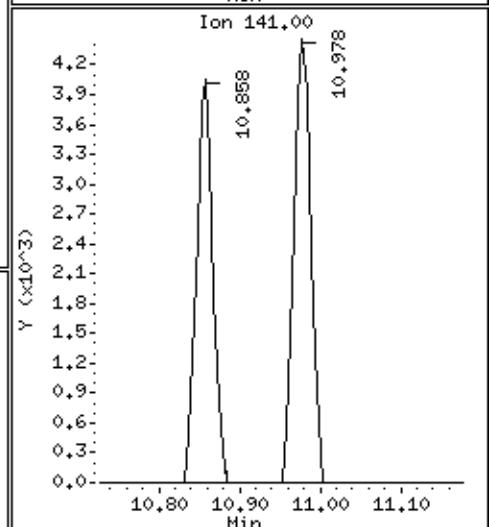
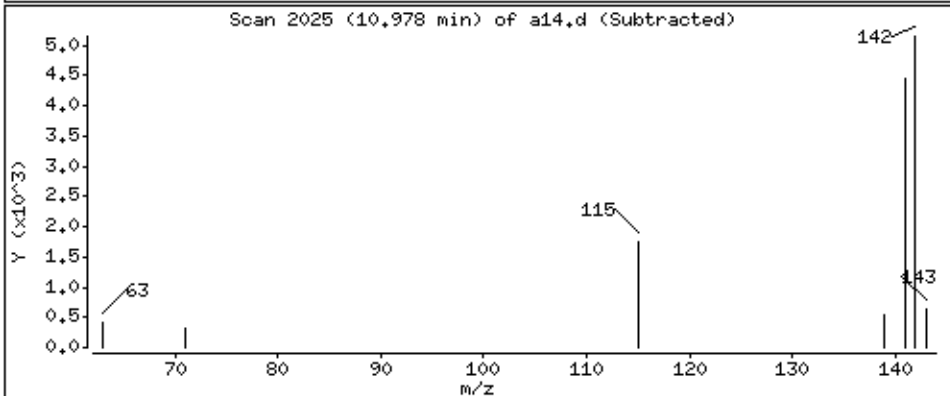
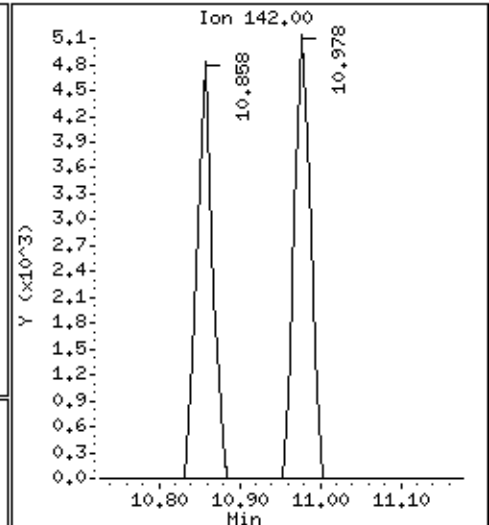
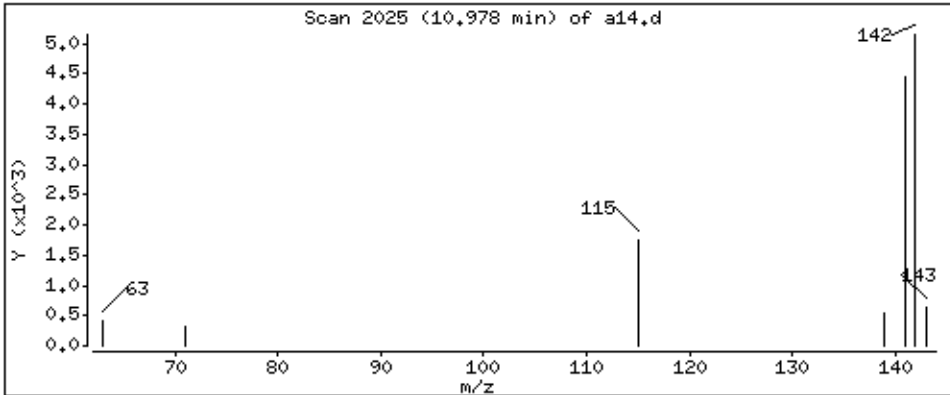
Column phase: DB-624

Column diameter: 0,18

95 1-Methylnaphthalene

Concentration: 7,50 ppb

Review Code:



Data File: \\192.168.50.6\chem\50mv3a.i\a070314.b/a14.d
Injection Date: 03-JUL-2014 17:27
Instrument: 50mv3a.i
Lab Sample ID: 1122067
NO SIGNAL MANUAL INTEGRATIONS DONE FOR THIS DATA FILE

INSTRUMENT RUN LOG
Pace Analytical Services, Inc.

Instrument: 50mv3a.i
 Column DB-624 20m X 0.18mm Helium
 Misc. Prep Info [L]:
 ISTD lot:
 Tune std: _____

Method:
 Surr. lot: 70929:1
 Cal. std: _____

Path/File	Smp Info	Mtrx/Batch	Type	DF	pH	Method/Sublist	Date	Time	Oper	Comments
1/a0000a.d	blank	L/	BFB	1	7	-bfb/all	6/19/14	10:35	j1z	ISV TUNE+CURVE
1/a0000b.d	8260-CCV, 71088:0	L/65925	CCALIB_6	1	7	-a8260_a_c/all	6/19/14	11:08	j1z	
1/a000bfb.d	8260-TUNE, 71096:	L/65925	BFB	1	7	-bfb/all	6/19/14	12:41	j1z	
1/a00bfb.d	8260-TUNE, 71096:	L/65925	BFB	1	7	-bfb/all	6/19/14	13:56	j1z	
1/a01cal.d	8260-CAL1, 71097:	L/65925	CALIB_1	1	<2	-a8260_a_c/all	6/19/14	14:46	j1z	
1/a02cal-mqc.d	8260-CAL2, 71098:	L/65925	mqc	1	<2	-a8260_a_c/all	6/19/14	15:18	j1z	
1/a02cal.d	8260-CAL2, 71098:	L/65925	CALIB_2	1	<2	-a8260_a_c/all	6/19/14	15:18	j1z	
1/a03cal-mqc.d	8260-CAL3, 71099:	L/65925	mqc	1	<2	-a8260_a_c/all	6/19/14	15:51	j1z	
1/a03cal.d	8260-CAL3, 71099:	L/65925	CALIB_3	1	<2	-a8260_a_c/all	6/19/14	15:51	j1z	
1/a04cal-mqc.d	8260-CAL4, 71100:	L/65925	mqc	1	<2	-a8260_a_c/all	6/19/14	16:23	j1z	
1/a04cal.d	8260-CAL4, 71100:	L/65925	CALIB_4	1	<2	-a8260_a_c/all	6/19/14	16:23	j1z	
1/a05cal.d	8260-CAL5, 71101:	L/65925	CALIB_5	1	<2	-a8260_a_c/all	6/19/14	16:55	j1z	
1/a06cal.d	8260-CAL6, 71102:	L/65925	CALIB_6	1	<2	-a8260_a_c/all	6/19/14	17:28	j1z	
1/a07cal.d	8260-CAL7, 71103:	L/65925	CALIB_7	1	<2	-a8260_a_c/all	6/19/14	18:00	j1z	
1/a08cal.d	8260-CAL8, 71104:	L/65925	CALIB_8	1	<2	-a8260_a_c/all	6/19/14	18:33	j1z	
1/a09.d	rinse	L/	SAMPLE	1	<2	-a8260_a_c/all	6/19/14	19:05	j1z	
1/a10icv.d	8260-ICV, 71105:0	L/65925	ICV	1	<2	-a8260_a_c/all	6/19/14	19:38	j1z	
1/c00bfb.d	8260-TUNE, 70930:	L/65925	BFB	1	7	-bfb/all	6/19/14	20:10	j1z	
1/c01ccv.d	8260-CCV, 71088:0	L/65925	CCALIB_6	1	7	-a8260_a_c/most	6/19/14	20:43	j1z	full test.
1/c02lcs.d	1113950, 71089:5	L/65939	LCS	1	7	-a8260_a_c/most	6/19/14	21:15	j1z	
1/c03mb.d	1113949	L/65939	BLANK	1	7	-a8260_a_c/all	6/19/14	21:47	j1z	
1/c04.d	USTW 5099032011,ust	L/65939	SAMPLE	1	7	-a8260_a_c/ust	6/19/14	22:20	j1z	
1/c05.d	5099221001,ust	L/65939	SAMPLE	1	<2	-a8260_a_c/ust	6/19/14	22:53	j1z	
1/c06.d	1113951,ust, 7019	L/65939	MS	1	<2	-a8260_a_c/ust	6/19/14	23:25	j1z	
1/c07.d	1113952,ust, 7019	L/65939	MSD	1	<2	-a8260_a_c/ust	6/19/14	23:58	j1z	
1/c08.d	5099221002,ust	L/65939	SAMPLE	1	<2	-a8260_a_c/ust	6/20/14	00:30	j1z	Relox
1/c09.d	5099221003,ust	L/65939	SAMPLE	1	<2	-a8260_a_c/ust	6/20/14	01:03	j1z	
1/c10.d	5099221004,ust	L/65939	SAMPLE	1	<2	-a8260_a_c/ust	6/20/14	01:35	j1z	
1/c11.d	5099221005,ust	L/65939	SAMPLE	1	<2	-a8260_a_c/ust	6/20/14	02:08	j1z	
1/c12.d	5099221006,ust	L/65939	SAMPLE	1	<2	-a8260_a_c/ust	6/20/14	02:41	j1z	
1/c13.d	5099221007,ust	L/65939	SAMPLE	1	<2	-a8260_a_c/ust	6/20/14	03:13	j1z	
1/c14.d	5099221008,ust	L/65939	SAMPLE	1	<2	-a8260_a_c/ust	6/20/14	03:46	j1z	
1/c15.d	5099221009,ust	L/65939	SAMPLE	1	<2	-a8260_a_c/ust	6/20/14	04:18	j1z	
1/c16.d	5099221010,ust	L/65939	SAMPLE	1	<2	-a8260_a_c/ust	6/20/14	04:51	j1z	

Comments: All water samples have a pH below 2 unless otherwise noted.

File Path 1: \\192.168.50.6\chem\50mv3a.i\A061914cal.b
 Matrix Codes: [G]as, [L]iquid, [S]olid, [N]one
 Report Date: 12:20 06/20/2014

6-20-14

INSTRUMENT RUN LOG
Pace Analytical Services, Inc.

Instrument: 50mv3a.i
Column DB-624 20m X 0.18mm Helium
Misc. Prep Info [L]:
ISTD lot:
Tune std: _____

Method:
Surr. lot: 70929:1
Cal. std: _____

Path/File	Smp Info	Mtrx/Batch	Type	DF	pH	Method/Sublist	Date	Time	Oper	Comments
1/c17.d	5099221011,ust	L/65939	SAMPLE	1	<2	-a8260_a_c/ust	6/20/14	05:23	jlz	_____
1/c18.d	5099221012,ust	L/65939	SAMPLE	1	<2	-a8260_a_c/ust	6/20/14	05:56	jlz	_____
1/c19.d	5099221013,ust	L/65939	SAMPLE	1	<2	-a8260_a_c/ust	6/20/14	06:28	jlz	_____
1/c20.d	5099221014,ust	L/65939	SAMPLE	1	<2	-a8260_a_c/ust	6/20/14	07:00	jlz	_____
1/c21.d	5099221015,ust	L/65939	SAMPLE	1	<2	-a8260_a_c/ust	6/20/14	07:33	jlz	_____

C
↓

Comments: All water samples have a pH below 2 unless otherwise noted.

File Path 1: \\192.168.50.6\chem\50mv3a.i\a061914cal.b
Matrix Codes: [G]as, [L]iquid, [S]olid, [N]one
Report Date: 12:20 06/20/2014

INSTRUMENT RUN LOG
Pace Analytical Services, Inc.

Instrument: 50mv4b.i
Column DB-624 20m X 0.18mm Helium
Misc. Prep Info [L]:
ISTD lot:
Tune std: _____

Method:
Surr. lot: 71234:5
Cal. std: _____

Path/File	Smp Info	Mtrx/Batch	Type	DF	pH	Method/Sublist	Date	Time	Oper	Comments
1/b00bfb.d	8260-TUNE,71408:	L/66151	BFB	1	7	-bfb/all	6/25/14	15:07	rsw	
1/b01.d	8260-CAL9,71409:	L/66151	CALIB_9	1	<2	-b8260_a_b/all	6/25/14	15:39	rsw	<i>Checked after falling opening etc</i>
1/b02.d	8260-CAL1,71410:	L/66151	CALIB_1	1	<2	-b8260_a_b/all	6/25/14	16:12	rsw	
1/b03.d	8260-CAL2,71411:	L/66151	CALIB_2	1	<2	-b8260_a_b/all	6/25/14	16:44	rsw	
1/b03mqc.d	8260-CAL2,71411:	L/66151	MQC	1	<2	-b8260_a_b/all	6/25/14	16:44	rsw	
1/b04.d	8260-CAL3,71412:	L/66151	CALIB_3	1	<2	-b8260_a_b/all	6/25/14	17:16	rsw	
1/b05.d	8260-CAL4,71413:	L/66151	CALIB_4	1	<2	-b8260_a_b/all	6/25/14	17:49	rsw	
1/b05mqc.d	8260-CAL4,71413:	L/66151	MQC	1	<2	-b8260_a_b/all	6/25/14	17:49	rsw	
1/b06.d	8260-CAL5,71414:	L/66151	CALIB_5	1	<2	-b8260_a_b/all	6/25/14	18:21	rsw	
1/b07.d	8260-CAL6,71415:	L/66151	CALIB_6	1	<2	-b8260_a_b/all	6/25/14	18:54	rsw	
1/b08.d	8260-CAL7,71416:	L/66151	CALIB_7	1	<2	-b8260_a_b/all	6/25/14	19:26	rsw	
1/b09.d	8260-CAL8,71417:	L/66151	CALIB_8	1	<2	-b8260_a_b/all	6/25/14	19:58	rsw	
1/b10.d	rinse	L/	SAMPLE	1	<2	-b8260_a_b/all	6/25/14	20:31	rsw	
1/b11icv.d	8260-ICV,71418:0	L/66151	ICV	1	<2	-b8260_a_b/all	6/25/14	21:03	rsw	<i>Curve passes full</i>
1/d00bfb.d	8260-TUNE,71408:	L/66151	BFB	1	7	-bfb/all	6/25/14	21:35	rsw	
1/d01ccv.d	8260-CCV,71402:0	L/66151	CCALIB_6	1	7	-b8260_a_b/all	6/25/14	22:08	rsw	<i>CC passes full</i>
1/d02lcs.d	8260-LCS,71262:5	L/	LCS	1	7	-b8260_a_b/all	6/25/14	22:40	rsw	
1/d03.d	rinse	L/	SAMPLE	1	<2	-b8260_a_b/all	6/25/14	23:12	rsw	
1/d04.d	rinse	L/	SAMPLE	1	<2	-b8260_a_b/all	6/25/14	23:44	rsw	
1/d05mb.d	BLANK	L/	BLANK	1	7	-b8260_a_b/all	6/26/14	00:16	rsw	
1/d06.d	5099232002	L/66087	SAMPLE	1	<2	-b8260_a_b/all	6/26/14	00:49	rsw	
1/d07.d	5099232001	L/66087	SAMPLE	1	<2	-b8260_a_b/all	6/26/14	01:21	rsw	
1/d08.d	5099319012	L/66149	SAMPLE	1	<2	-b8260_a_b/all	6/26/14	01:53	rsw	
1/d09.d	5099319013	L/66149	SAMPLE	1	<2	-b8260_a_b/all	6/26/14	02:25	rsw	
1/d10.d	1117601	L/66149	FIELDUP	1	<2	-b8260_a_b/all	6/26/14	02:57	rsw	
1/d11.d	5099319020	L/66149	SAMPLE	1	<2	-b8260_a_b/all	6/26/14	03:29	rsw	
1/d12.d	5099319021	L/66149	SAMPLE	1	<2	-b8260_a_b/all	6/26/14	04:01	rsw	
1/d13.d	5099319022	L/66149	SAMPLE	1	<2	-b8260_a_b/all	6/26/14	04:34	rsw	
1/d14.d	5099319023	L/66149	SAMPLE	1	<2	-b8260_a_b/all	6/26/14	05:06	rsw	
1/d15.d	5099319027	L/66149	SAMPLE	1	<2	-b8260_a_b/all	6/26/14	05:38	rsw	
1/d16.d	5099319031	L/66149	SAMPLE	1	<2	-b8260_a_b/all	6/26/14	06:10	rsw	
1/d17.d	5099319032	L/66149	SAMPLE	1	<2	-b8260_a_b/all	6/26/14	06:42	rsw	
1/d18.d	5099319038	L/66149	SAMPLE	1	<2	-b8260_a_b/all	6/26/14	07:14	rsw	
1/d19.d	5099319033	L/66149	SAMPLE	1	<2	-b8260_a_b/all	6/26/14	07:46	rsw	

Comments: All water samples have a pH below 2 unless otherwise noted.

File Path 1: \\192.168.50.6\chem\50mv4b.i\b062514cal.b
Matrix Codes: [G]as, [L]iquid, [S]olid, [N]one
Report Date: 12:53 06/26/2014

*RW
06/26/14*

INSTRUMENT RUN LOG
Pace Analytical Services, Inc.

Instrument: 50mv4b.i
Column DB-624 20m X 0.18mm Helium
Misc. Prep Info [L]:
ISTD lot:
Tune std: _____

Method:
Surr. lot: 71234:5
Cal. std: _____

Path/File	Smp Info	Mtrx/Batch	Type	DF	pH	Method/Sublist	Date	Time	Oper	Comments
1/d20.d	5099319017	L/66149	SAMPLE	1	<2	-b8260_a_b/all	6/26/14	08:18	rsw	_____
1/d21.d	1117602,71262:5	L/66149	MS	1	<2	-b8260_a_b/all	6/26/14	08:50	rsw	_____

Comments: All water samples have a pH below 2 unless otherwise noted.

File Path 1: \\192.168.50.6\chem\50mv4b.i\b062514cal.b
Matrix Codes: [G]as, [L]iquid, [S]olid, [N]one
Report Date: 12:53 06/26/2014

Page: 2

*RW
6/26/14*

INSTRUMENT RUN LOG
Pace Analytical Services, Inc.

Instrument: 50mv4b.i
Column DB-624 20m X 0.18mm Helium
Misc. Prep Info [L]:
ISTD lot:
Tune std: _____

Method:
Surr. lot: 71234:5
Cal. std: _____

Path/File	Smp Info	Mtrx/Batch	Type	DF	pH	Method/Sublist	Date	Time	Oper	Comments
1/b00bfb.d	8260-TUNE, 71408:	L/66334	BFB	1	7	-bfb/all	7/01/14	11:23	rsw	
1/b01ccv.d	8260-CCV, 71402:0	L/66334	CCALIB_6	1	7	-b8260_a_b/all	7/01/14	11:56	rsw	Several out
1/b02ccv.d	8260-CCV, 71402:0	L/66334	CCALIB_6	1	7	-b8260_a_b/all	7/01/14	12:28	rsw	ISASCV
1/b02lcs.d	1121183, 71262:5	L/66354	LCS	1	7	-b8260_a_b/all	7/01/14	12:28	rsw	OLPASSFULL
1/b03.d	rinse	L/	SAMPLE	1	<2	-b8260_a_b/all	7/01/14	13:01	rsw	
1/b04mb.d	1121182	L/66354	BLANK	1	7	-b8260_a_b/all	7/01/14	13:33	rsw	
1/b05.d	5099606014	L/66354	SAMPLE	1	<2	-b8260_a_b/all	7/01/14	14:05	rsw	
1/b06.d	5099606015	L/66354	SAMPLE	1	<2	-b8260_a_b/all	7/01/14	14:38	rsw	
1/b07.d	5099606016	L/66354	SAMPLE	1	<2	-b8260_a_b/all	7/01/14	15:10	rsw	
1/b08.d	5099606017	L/66354	SAMPLE	1	<2	-b8260_a_b/all	7/01/14	15:43	rsw	
1/b09.d	5099606007x10	L/66353	SAMPLE	10	<2	-b8260_a_b/all	7/01/14	16:15	rsw	
1/b10.d	5099486011	L/66354	SAMPLE	1	<2	-b8260_a_b/all	7/01/14	16:48	rsw	
1/b11.d	5099486009	L/66354	SAMPLE	1	<2	-b8260_a_b/all	7/01/14	17:20	rsw	
1/b12.d	5099486010	L/66354	SAMPLE	1	<2	-b8260_a_b/all	7/01/14	17:53	rsw	
1/b13.d	5099688013	L/66354	SAMPLE	1	<2	-b8260_a_b/all	7/01/14	18:25	rsw	
1/b14.d	5099572001, ust	L/66372	SAMPLE	1	<2	-b8260_a_b/ust	7/01/14	18:58	rsw	
1/b15.d	1121308, 71262:5,	L/66372	MS	1	<2	-b8260_a_b/all	7/01/14	19:30	rsw	
1/b16.d	5099572002, ust	L/66372	SAMPLE	1	<2	-b8260_a_b/ust	7/01/14	20:02	rsw	
1/b17.d	1121309, ust	L/66372	FIELDSDUP	1	<2	-b8260_a_b/ust	7/01/14	20:35	rsw	
1/b18.d	5099572003, ust	L/66372	SAMPLE	1	<2	-b8260_a_b/ust	7/01/14	21:07	rsw	
1/b19.d	5099572004, ust	L/66372	SAMPLE	1	<2	-b8260_a_b/ust	7/01/14	21:39	rsw	
1/b20.d	5099572005, ust	L/66372	SAMPLE	1	<2	-b8260_a_b/ust	7/01/14	22:12	rsw	
1/b21.d	5099598001, ust	L/66372	SAMPLE	1	<2	-b8260_a_b/ust	7/01/14	22:44	rsw	
1/d00bfb.d	8260-TUNE, 71408:	L/66334	BFB	1	7	-bfb/all	7/01/14	23:16	rsw	
1/d01bfb.d	8260-TUNE, 71408:	L/66334	BFB	1	7	-bfb/all	7/01/14	23:48	rsw	Several out
1/d01ccv.d	8260-CCV, 71402:0	L/66334	CCALIB_6	1	7	-b8260_a_b/all	7/01/14	23:48	rsw	ISASCV
1/d02ccv.d	8260-CCV, 71402:0	L/66334	CCALIB_6	1	7	-b8260_a_b/all	7/02/14	00:21	rsw	OLPASSFULL
1/d02lcs.d	8260-LCS, 71262:5	L/	LCS	1	7	-b8260_a_b/all	7/02/14	00:21	rsw	
1/d03.d	rinse	L/	SAMPLE	1	<2	-b8260_a_b/all	7/02/14	00:53	rsw	
1/d04mb.d	BLANK	L/	BLANK	1	7	-b8260_a_b/all	7/02/14	01:25	rsw	
1/d05.d	5099598002, ust	L/66373	SAMPLE	1	<2	-b8260_a_b/ust	7/02/14	01:57	rsw	
1/d06.d	1121312, 71262:5,	L/66373	MS	1	<2	-b8260_a_b/all	7/02/14	02:30	rsw	
1/d07.d	5099598003, ust	L/66373	SAMPLE	1	<2	-b8260_a_b/ust	7/02/14	03:02	rsw	
1/d08.d	1121313, ust	L/66373	FIELDSDUP	1	<2	-b8260_a_b/ust	7/02/14	03:34	rsw	

Comments: All water samples have a pH below 2 unless otherwise noted.

File Path 1: \\192.168.50.6\chem\50mv4b.i\b070114.b
Matrix Codes: [G]as, [L]iquid, [S]olid, [N]one
Report Date: 12:05 07/02/2014

Page: 1

*RW
07/02/14*

INSTRUMENT RUN LOG
Pace Analytical Services, Inc.

Instrument: 50mv4b.i
Column DB-624 20m X 0.18mm Helium
Misc. Prep Info [L]:
ISTD lot:
Tune std: _____

Method:
Surr. lot: 71234:5
Cal. std: _____

Path/File	Smp Info	Mtrx/Batch	Type	DF	pH	Method/Sublist	Date	Time	Oper	Comments
1/d09.d	5099598004,ust	L/66373	SAMPLE	1	<2	-b8260_a_b/ust	7/02/14	04:06	rsw	
1/d10.d	5099598005,ust	L/66373	SAMPLE	1	<2	-b8260_a_b/ust	7/02/14	04:38	rsw	
1/d11.d	5099598007,ust	L/66373	SAMPLE	1	<2	-b8260_a_b/ust	7/02/14	05:11	rsw	
1/d12.d	50100048001,ust	L/66373	SAMPLE	1	<2	-b8260_a_b/ust	7/02/14	05:43	rsw	
1/d13.d	50100048002,ust	L/66373	SAMPLE	1	<2	-b8260_a_b/ust	7/02/14	06:15	rsw	
1/d14.d	50100048003,ust	L/66373	SAMPLE	1	<2	-b8260_a_b/ust	7/02/14	06:47	rsw	
1/d15.d	50100048004,ust	L/66373	SAMPLE	1	<2	-b8260_a_b/ust	7/02/14	07:19	rsw	
1/d16.d	50100048005,ust	L/66373	SAMPLE	1	<2	-b8260_a_b/ust	7/02/14	07:51	rsw	
1/d17.d	50100048006,ust	L/66373	SAMPLE	1	<2	-b8260_a_b/ust	7/02/14	08:23	rsw	
1/d18.d	50100048007,ust	L/66373	SAMPLE	1	<2	-b8260_a_b/ust	7/02/14	08:55	rsw	
1/d19.d	50100048008,ust	L/66373	SAMPLE	1	<2	-b8260_a_b/ust	7/02/14	09:28	rsw	
1/d20.d	5099486001	L/	SAMPLE	1	<2	-b8260_a_b/all	7/02/14	10:00	rsw	
1/d21.d	5099486007	L/66388	SAMPLE	1	<2	-b8260_a_b/all	7/02/14	10:32	rsw	
1/d22.d	5099662011	L/66388	SAMPLE	1	<2	-b8260_a_b/all	7/02/14	11:05	rsw	
1/d23.d	5099662007	L/66388	SAMPLE	1	<2	-b8260_a_b/all	7/02/14	11:37	rsw	

Comments: All water samples have a pH below 2 unless otherwise noted.

File Path 1: \\192.168.50.6\chem\50mv4b.i\b070114.b
Matrix Codes: [G]as, [L]iquid, [S]olid, [N]one
Report Date: 12:06 07/02/2014

Page: 2

Rsw
07/02/14

INSTRUMENT RUN LOG
Pace Analytical Services, Inc.

Instrument: 50mv3a.i
 Column DB-624 20m X 0.18mm Helium
 Misc. Prep Info [L]:
 Misc. Prep Info [S]:
 ISTD lot:
 Tune std: _____

Method:
 Surr. lot: 70929:1
 Cal. std: _____

Path/File	Smp Info	Mtrx/Batch	Type	DF	pH	Method/Sublist	Date	Time	Oper	Comments
1/a00bfb.d	8260-TUNE, 70930:	L/65925	BFB	1	7	-bfb/all	7/02/14	09:31	j1z	
1/a01ccv.d	8260-CCV, 71692:0	L/65925	CCALIB_6	1	7	-a8260_a_c/most	7/02/14	10:03	j1z	full test
1/a02lcss.d	1121680, 71089:5	S/66387	LCS	1		-a8260_a_c/most	7/02/14	10:36	j1z	
1/a03mbs.d	1121679	S/66387	BLANK	1		-a8260_a_c/all	7/02/14	11:09	j1z	
1/a04.d <i>TUST-</i>	50100186011, ust	S/66387	SAMPLE	1		-a8260_a_c/ust	7/02/14	11:41	j1z	
1/a05.d	50100186012, ust	S/66387	SAMPLE	1		-a8260_a_c/ust	7/02/14	12:13	j1z	
1/a06.d	50100186013, ust	S/66387	SAMPLE	1		-a8260_a_c/ust	7/02/14	12:46	j1z	
1/a07.d	50100186015, ust	S/66387	SAMPLE	1		-a8260_a_c/ust	7/02/14	13:19	j1z	
1/a08.d	50100186001, ust	S/66387	SAMPLE	1		-a8260_a_c/ust	7/02/14	13:51	j1z	
1/a09.d	1121802, ust, 7108	S/66387	MS	1		-a8260_a_c/ust	7/02/14	14:24	j1z	
1/a10.d	1121803, ust, 7108	S/66387	MSD	1		-a8260_a_c/ust	7/02/14	14:56	j1z	
1/a11.d <i>TC-</i>	5099718001	S/66411	SAMPLE	1		-a8260_a_c/all	7/02/14	15:29	j1z	
1/a12.d	1122046, 71089:5	S/66411	MS	1		-a8260_a_c/all	7/02/14	16:01	j1z	
1/a13.d	1122047, 71089:5	S/66411	MSD	1		-a8260_a_c/all	7/02/14	16:33	j1z	
1/a14.d	5099718003	S/66411	SAMPLE	1		-a8260_a_c/all	7/02/14	17:06	j1z	
1/a15.d	5099718004	S/66411	SAMPLE	1		-a8260_a_c/all	7/02/14	17:38	j1z	
1/a16.d	5099688001	S/66411	SAMPLE	1		-a8260_a_c/all	7/02/14	18:11	j1z	
1/a17.d	1122048, 71089:5	S/66411	MS	1		-a8260_a_c/all	7/02/14	18:43	j1z	
1/a18.d	1122049, 71089:5	S/66411	MSD	1		-a8260_a_c/all	7/02/14	19:16	j1z	
1/a19.d	5099688002	S/66411	SAMPLE	1		-a8260_a_c/all	7/02/14	19:48	j1z	
1/a20.d	5099688003	S/66411	SAMPLE	1		-a8260_a_c/all	7/02/14	20:21	j1z	
1/a21.d	5099688004	S/66411	SAMPLE	1		-a8260_a_c/all	7/02/14	20:53	j1z	
1/c00bfb.d	8260-TUNE, 70930:	L/65925	BFB	1	7	-bfb/all	7/02/14	21:26	j1z	full test
1/c01ccv.d	8260-CCV, 71692:0	L/65925	CCALIB_6	1	7	-a8260_a_c/most	7/02/14	21:58	j1z	full test
1/c02lcss.d	1122065, 71089:5	S/66414	LCS	1		-a8260_a_c/most	7/02/14	22:31	j1z	
1/c03mbs.d	1122064	S/66414	BLANK	1		-a8260_a_c/all	7/02/14	23:03	j1z	
1/c04lcs.w.d	1122060, 71089:5	L/66413	LCS	1	7	-a8260_a_c/all	7/02/14	23:36	j1z	
1/c05mbw.d	1122059	L/66413	BLANK	1	7	-a8260_a_c/all	7/03/14	00:08	j1z	
1/c06.d <i>low-</i>	5099553001	L/66413	SAMPLE	1	<2	-a8260_a_c/all	7/03/14	00:41	j1z	
1/c07.d	5099553002	L/66413	SAMPLE	1	<2	-a8260_a_c/all	7/03/14	01:13	j1z	MB RL 250
1/c08.d	5099553003	L/66413	SAMPLE	1	7 (P)	-a8260_a_c/all	7/03/14	01:46	j1z	MB RL 250
1/c09.d	5099553004	L/66413	SAMPLE	1	<2	-a8260_a_c/all	7/03/14	02:18	j1z	
1/c10.d	5099903001	L/66413	SAMPLE	1	7 (P)	-a8260_a_c/all	7/03/14	02:51	j1z	

Comments: All water samples have a pH below 2 unless otherwise noted.

File Path 1: \\192.168.50.6\chem\50mv3a.i\A070214.b
 Matrix Codes: [G]as, [L]iquid, [S]olid, [N]one
 Report Date: 10:17 07/03/2014

27-3-14

INSTRUMENT RUN LOG
Pace Analytical Services, Inc.

Instrument: 50mv3a.i
 Column DB-624 20m X 0.18mm Helium
 Misc. Prep Info [L]:
 Misc. Prep Info [S]:
 ISTD lot:
 Tune std: _____

Method:

 Surr. lot: 70929:1
 Cal. std: _____

Path/File	Smp Info	Mtrx/Batch	Type	DF	pH	Method/Sublist	Date	Time	Oper	Comments
1/c11.d	WN- 5099903002	L/66413	SAMPLE	1	7.6	-a8260_a_c/all	7/03/14	03:23	jlz	
1/c12.d	5099903002x25	L/66413	SAMPLE	25	7.6	-a8260_a_c/all	7/03/14	03:55	jlz	OD.
1/c13.d	5099903003	L/66413	SAMPLE	1	7.6	-a8260_a_c/all	7/03/14	04:28	jlz	
1/c14.d	TC- 5099688005	S/66414	SAMPLE	1		-a8260_a_c/all	7/03/14	05:01	jlz	
1/c15.d	5099688006	S/66414	SAMPLE	1		-a8260_a_c/all	7/03/14	05:33	jlz	
1/c16.d	5099688007	S/66414	SAMPLE	1		-a8260_a_c/all	7/03/14	06:05	jlz	
1/c17.d	5099688009	S/66414	SAMPLE	1		-a8260_a_c/all	7/03/14	06:38	jlz	
1/c18.d	5099688010	S/66414	SAMPLE	1		-a8260_a_c/all	7/03/14	07:10	jlz	
1/c19.d	5099688008	S/66414	SAMPLE	1		-a8260_a_c/all	7/03/14	07:43	jlz	
1/c20.d	1122066,71089:5	S/66414	MS	1		-a8260_a_c/most	7/03/14	08:15	jlz	
1/c21.d	1122067,71089:5	S/66414	MSD	1		-a8260_a_c/most	7/03/14	08:48	jlz	ISoud.

Comments: All water samples have a pH below 2 unless otherwise noted.

File Path 1: \\192.168.50.6\chem\50mv3a.i\a070214.b
 Matrix Codes: [G]as, [L]iquid, [S]olid, [N]one
 Report Date: 10:17 07/03/2014

INSTRUMENT RUN LOG
Pace Analytical Services, Inc.

Instrument: 50mv3a.i
 Column DB-624 20m X 0.18mm Helium
 Misc. Prep Info [L]:
 Misc. Prep Info [S]:
 ISTD lot:
 Tune std: _____

Method:
 Surr. lot: 71863:1
 Cal. std: _____

Path/File	Smp Info	Mtrx/Batch	Type	DF	pH	Method/Sublist	Date	Time	Oper	Comments
1/a00bfb.d	8260-TUNE,71865:	L/65925	BFB	1	7	-bfb/all	7/03/14	09:52	j1z	✓
1/a01ccv.d	8260-CCV,71692:0	L/64841	CCALIB_6	1	7	-a8260_a_c/most	7/03/14	10:24	j1z	✓ F/L
1/a021csm.d	1122653,71089:5	S/66450	LCS	1		-a8260_a_c/all	7/03/14	10:56	j1z	✓
1/a021csmx.d	1122655,71089:5	S/66451	LCS	1		-a8260_a_c/all	7/03/14	10:56	j1z	✓
1/a03mbm.d	1122652	S/66450	BLANK	1		-a8260_a_c/all	7/03/14	11:29	j1z	✓
1/a03mbmx.d	1122654	S/66451	BLANK	1		-a8260_a_c/all	7/03/14	11:29	j1z	✓
1/a04.d	50100276001x25	S/66450	SAMPLE	25		-a8260_a_c/all	7/03/14	12:01	j1z	
1/a05.d	50100276002x25	S/66450	SAMPLE	25		-a8260_a_c/all	7/03/14	12:34	j1z	
1/a06.d	50100276003x25	S/66450	SAMPLE	25		-a8260_a_c/all	7/03/14	13:07	j1z	
1/a07.d	50100276004x25	S/66450	SAMPLE	25		-a8260_a_c/all	7/03/14	13:39	j1z	
1/a08.d	50100276005x25	S/66450	SAMPLE	25		-a8260_a_c/all	7/03/14	14:12	j1z	
1/a09.d	50100276006x25	S/66450	SAMPLE	25		-a8260_a_c/all	7/03/14	14:44	j1z	
1/a10.d	50100276008x25	S/66450	SAMPLE	25		-a8260_a_c/all	7/03/14	15:17	j1z	
1/a11.d	50100279006x25,u	S/66451	SAMPLE	25		-a8260_a_c/ust	7/03/14	15:49	j1z	
1/a12lcss.d	lcss,71089:5	L/	LCS	1	7	-a8260_a_c/most	7/03/14	16:22	j1z	
1/a13mbs.d	mbs	S/	BLANK	1		-a8260_a_c/all	7/03/14	16:54	j1z	
1/a14.d	1122067,71089:5	S/66414	MSD	1		-a8260_a_c/most	7/03/14	17:27	j1z	
1/c00bfb.d	8260-TUNE,71865:	L/65925	BFB	1	7	-bfb/all	7/03/14	17:59	j1z	✓
1/c01ccv.d	8260-CCV,71692:0	L/65925	CCALIB_6	1	7	-a8260_a_c/most	7/03/14	18:31	j1z	✓ F/L
1/c021csw.d	1122955,71089:5	L/66466	LCS	1	7	-a8260_a_c/most	7/03/14	19:04	j1z	✓
1/c03mbw.d	1122954	L/66466	BLANK	1	7	-a8260_a_c/all	7/03/14	19:36	j1z	✓
1/c04.d	5099833003	L/66466	SAMPLE	1	<2	-a8260_a_c/all	7/03/14	20:08	j1z	
1/c05.d	1122956,71787:0	L/66466	MS	1	<2	-a8260_a_c/most	7/03/14	20:41	j1z	
1/c06.d	1122957,71787:0	L/66466	MSD	1	<2	-a8260_a_c/most	7/03/14	21:13	j1z	
1/c07.d	5099833005	L/66466	SAMPLE	1	<2	-a8260_a_c/all	7/03/14	21:45	j1z	
1/c08.d	5099833006	L/66466	SAMPLE	1	<2	-a8260_a_c/all	7/03/14	22:18	j1z	
1/c09.d	5099833008	L/66466	SAMPLE	1	<2	-a8260_a_c/all	7/03/14	22:50	j1z	
1/c10.d	5099833009	L/66466	SAMPLE	1	<2	-a8260_a_c/all	7/03/14	23:22	j1z	
1/c11.d	5099833010	L/66466	SAMPLE	1	<2	-a8260_a_c/all	7/03/14	23:55	j1z	
1/c12.d	5099833010x25	L/66466	SAMPLE	25	<2	-a8260_a_c/all	7/04/14	00:27	j1z	
1/c13.d	5099833011	L/66466	SAMPLE	1	<2	-a8260_a_c/all	7/04/14	00:59	j1z	
1/c14.d	5099833011x25	L/66466	SAMPLE	25	<2	-a8260_a_c/all	7/04/14	01:32	j1z	
1/c15.d	5099833012	L/66466	SAMPLE	1	<2	-a8260_a_c/all	7/04/14	02:04	j1z	

Comments: All water samples have a pH below 2 unless otherwise noted.

File Path 1: \\192.168.50.6\chem\50mv3a.i\A070314.b
 Matrix Codes: [G]as, [L]iquid, [S]olid, [N]one
 Report Date: 10:48 07/07/2014

amv
7/7/14

INSTRUMENT RUN LOG
Pace Analytical Services, Inc.

Instrument: 50mv3a.i
 Column DB-624 20m X 0.18mm Helium
 Misc. Prep Info [L]:
 Misc. Prep Info [S]:
 ISTD lot:
 Tune std: _____

Method:
 Surr. lot: 71863:1
 Cal. std: _____

Path/File	Smp Info	Mtrx/Batch	Type	DF	pH	Method/Sublist	Date	Time	Oper	Comments
1/c16.d	5099833015	L/66466	SAMPLE	1	<2	-a8260_a_c/all	7/04/14	02:37	j1z	
1/c17.d	5099833016	L/66466	SAMPLE	1	<2	-a8260_a_c/all	7/04/14	03:09	j1z	
1/c18.d	5099833017	L/66466	SAMPLE	1	<2	-a8260_a_c/all	7/04/14	03:42	j1z	
1/c19.d	5099833018	L/66466	SAMPLE	1	<2	-a8260_a_c/all	7/04/14	04:14	j1z	
1/c20.d	5099833025	L/66466	SAMPLE	1	<2	-a8260_a_c/all	7/04/14	04:46	j1z	
1/c21.d	5099833025x25	L/66466	SAMPLE	25	<2	-a8260_a_c/all	7/04/14	05:19	j1z	
1/e00bfb.d	8260-TUNE, 71865:	L/65925	BFB	1	7	-bfb/all	7/04/14	05:52	j1z	✓
1/e01ccv.d	8260-CCV, 71692:0	L/65925	CCALIB_6	1	7	-a8260_a_c/most	7/04/14	06:24	j1z	✓ FIL
1/e02lcs.w.d	1122959, 71089:5	L/66467	LCS	1	7	-a8260_a_c/most	7/04/14	06:56	j1z	✓
1/e03mbw.d	1122958	L/66467	BLANK	1	7	-a8260_a_c/all	7/04/14	07:29	j1z	✓
1/e04.d	5099833019	L/66467	SAMPLE	1	<2	-a8260_a_c/all	7/04/14	08:01	amv	✓
1/e05.d	1122960, 71787:5	L/66467	MS	1	<2	-a8260_a_c/all	7/04/14	08:34	amv	✓
1/e06.d	1122961, 71787:5	L/66467	MSD	1	<2	-a8260_a_c/all	7/04/14	09:07	amv	✓
1/e07.d	5099833020	L/66467	SAMPLE	1	<2	-a8260_a_c/all	7/04/14	09:39	amv	✓
1/e08.d	5099833021	L/66467	SAMPLE	1	<2	-a8260_a_c/all	7/04/14	10:11	amv	✓
1/e09.d	5099833023	L/66467	SAMPLE	1	<2	-a8260_a_c/all	7/04/14	10:44	amv	✓
1/e10.d	5099833024	L/66467	SAMPLE	1	<2	-a8260_a_c/all	7/04/14	11:16	amv	✓
1/e11.d	5099833027	L/66467	SAMPLE	1	<2	-a8260_a_c/all	7/04/14	11:49	amv	✓
1/e12.d	5099833001	L/66467	SAMPLE	1	<2	-a8260_a_c/all	7/04/14	12:21	amv	B, 124MB T)
1/e13.d	5099833001x25	L/66467	SAMPLE	25	<2	-a8260_a_c/all	7/04/14	12:54	amv	✓
1/e14.d	5099833002x10	L/66467	SAMPLE	10	<2	-a8260_a_c/all	7/04/14	13:26	amv	not used
1/e15.d	5099833002x200	L/66467	SAMPLE	200	<2	-a8260_a_c/all	7/04/14	13:59	amv	not used
1/e16.d	5099833004x10	L/66467	SAMPLE	10	<2	-a8260_a_c/all	7/04/14	14:31	amv	B, T, x T)
1/e17.d	5099833004x200	L/66467	SAMPLE	200	<2	-a8260_a_c/all	7/04/14	15:03	amv	✓
1/e18.d	5099833007	L/66467	SAMPLE	1	<2	-a8260_a_c/all	7/04/14	15:36	amv	B, E, T)
1/e19.d	5099833007x25	L/66467	SAMPLE	25	<2	-a8260_a_c/all	7/04/14	16:08	amv	B, T, x, 100L
1/e20.d	5099833014x10	L/66467	SAMPLE	10	<2	-a8260_a_c/all	7/04/14	16:40	amv	B, T, x, 124MB T)
1/e21.d	5099833014x200	L/66467	SAMPLE	200	<2	-a8260_a_c/all	7/04/14	17:12	amv	✓
1/g00bfb.d	8260-TUNE, 71865:	L/65925	BFB	1	7	-bfb/all	7/04/14	17:45	amv	✓
1/g01ccv.d	8260-CCV, 71692:0	L/65925	CCALIB_6	1	7	-a8260_a_c/all	7/04/14	18:17	amv	✓ FIL
1/g02lcs.w.d	1122963, 71089:5	L/66468	LCS	1	7	-a8260_a_c/all	7/04/14	18:49	amv	✓
1/g03mbw.d	1122962	L/66468	BLANK	1	7	-a8260_a_c/all	7/04/14	19:22	amv	✓
1/g04.d	5099833013	L/66468	SAMPLE	1	<2	-a8260_a_c/all	7/04/14	19:54	amv	✓

Comments: All water samples have a pH below 2 unless otherwise noted.

File Path 1: \\192.168.50.6\chem\50mv3a.i\A070314.b
 Matrix Codes: [G]as, [L]iquid, [S]olid, [N]one
 Report Date: 10:48 07/07/2014

amv
7/7/14

INSTRUMENT RUN LOG
Pace Analytical Services, Inc.

Instrument: 50mv3a.i
 Column DB-624 20m X 0.18mm Helium
 Misc. Prep Info [L]:
 Misc. Prep Info [S]:
 ISTD lot:
 Tune std: _____

Method:

 Surr. lot: 71863:1
 Cal. std: _____

Path/File	Smp Info	Mtrx/Batch	Type	DF	pH	Method/Sublist	Date	Time	Oper	Comments
1/g05.d	1122964,71089:5	L/66468	MS	1	<2	-a8260_a_c/all	7/04/14	20:26	amv	✓
1/g06.d	1122965,71089:5	L/66468	MSD	1	<2	-a8260_a_c/all	7/04/14	20:59	amv	✓
1/g07.d	5099833022x25	L/66468	SAMPLE	25	<2	-a8260_a_c/all	7/04/14	21:31	amv	B, T ↑ ↓
1/g08.d	5099833022x500	L/66468	SAMPLE	500	<2	-a8260_a_c/all	7/04/14	22:03	amv	✓ ↓
1/g09.d	5099833026	L/66468	SAMPLE	1	<2	-a8260_a_c/all	7/04/14	22:35	amv	✓
1/g10.d	5099833028x5	L/66468	SAMPLE	5	<2	-a8260_a_c/all	7/04/14	23:08	amv	NR100
1/g11.d	5099833029x5	L/66468	SAMPLE	5	<2	-a8260_a_c/all	7/04/14	23:40	amv	↓
1/g12.d	5099833030x5	L/66468	SAMPLE	5	<2	-a8260_a_c/all	7/05/14	00:12	amv	↓
1/g13.d	5099833031x5	L/66468	SAMPLE	5	<2	-a8260_a_c/all	7/05/14	00:44	amv	↓
1/g14.d	5099917014,ust	L/66468	SAMPLE	1	<2	-a8260_a_c/ust	7/05/14	01:17	amv	B ↑ ↓
1/g15.d	5099917014x25,us	L/66468	SAMPLE	25	<2	-a8260_a_c/ust	7/05/14	01:49	amv	↓ ↓
1/g16.d	5099917015,ust	L/66468	SAMPLE	1	<2	-a8260_a_c/ust	7/05/14	02:21	amv	B ↑ ↓
1/g17.d	5099917015x25,us	L/66468	SAMPLE	25	<2	-a8260_a_c/ust	7/05/14	02:54	amv	↓ ↓
1/g18.d	5099917016,ust	L/66468	SAMPLE	1	<2	-a8260_a_c/ust	7/05/14	03:26	amv	✓
1/g19.d	5099917017,ust	L/66468	SAMPLE	1	<2	-a8260_a_c/ust	7/05/14	03:58	amv	✓
1/g20.d	5099833012x1.1	L/66466	SAMPLE	1.1	<2	-a8260_a_c/all	7/05/14	04:31	amv	✓

Comments: All water samples have a pH below 2 unless otherwise noted.

File Path 1: \\192.168.50.6\chem\50mv3a.i\A070314.b
 Matrix Codes: [G]as, [L]iquid, [S]olid, [N]one
 Report Date: 10:48 07/07/2014

amv
7/7/14

MSSV FULL SCAN - FORM II SVOA-1
SOLID SEMI-VOLATILE SURROGATE RECOVERY

Lab Name: Pace Analytical - Indiana SDG No.: 5099688 Contract: Sibley-Accucast/2339-356-

Instrument ID: 50MSS3

LAB SAMPLE ID	SAMPLE NAME	24B6	2FBP	2FPH	NIT5	PHD5	TD14
1117087	1117087BLANK	54	71	67	67	66	91
1117088	1117088LCS	73	72	70	71	71	97
1117089	1117089MS	85	76	75	73	78	99
1117090	1117090MSD	83	75	69	68	73	102
1117091	1117091MS	61	76	60	74	66	106
1117092	1117092MSD	64	72	58	68	63	93
5099688001	TMW-5(12-14)	84	75	78	76	81	101
5099688002	TMW-5(2-4)	78	74	73	74	76	103
5099688003	TMW-4(14-16)	85	78	78	79	80	102
5099688004	TMW-4(5-7)	80	78	75	75	78	103
5099688005	P-5(10-12)	79	77	77	76	79	108
5099688006	P-5(2-4)	79	75	73	71	76	103
5099688007	TMW-6(14-16)	79	72	76	75	76	93
5099688008	TMW-6(2-4)	52	74	60	73	66	95
5099688009	P-6(10-12)	84	80	78	79	79	95
5099688010	P-6(2-4)	69	68	62	67	66	85
5099688011	P-3 RE(2-4)	25	34	25	29	26*	42
5099688012	P-8 RE(0-2)	64	69	59	64	63	92

QC LIMITS

(24B6) = 2,4,6-Tribromophenol (S)
 (2FBP) = 2-Fluorobiphenyl (S)
 (2FPH) = 2-Fluorophenol (S)
 (NIT5) = Nitrobenzene-d5 (S)
 (NIT5) = Nitrobenzene-d5 (S)
 (PHD5) = Phenol-d5 (S)
 (TD14) = p-Terphenyl-d14 (S)

(16-122)
 (31-94)
 (24-104)
 (26-98)
 (28-101)
 (28-101)
 (26-110)

* Values outside of QC Limits

MSSV FULL SCAN - FORM II SVOA-1
WATER SEMI-VOLATILE SURROGATE RECOVERY

Lab Name: Pace Analytical - Indiana SDG No.: 5099688 Contract: Sibley-Accucast/2339-356-

Instrument ID: 50MSS2

LAB SAMPLE ID	SAMPLE NAME	24B6	2FBP	2FPH	NIT5	PHD5	TD14
1116331	1116331BLANK	97	85	33	90	19	85
1116332	1116332LCS	94	91	31	86	19	88
5099688013	SOIL EQ BLANK	89	77	25	75	14	58

QC LIMITS

(24B6) = 2,4,6-Tribromophenol (S)

(31-161)

(2FBP) = 2-Fluorobiphenyl (S)

(31-118)

(2FPH) = 2-Fluorophenol (S)

(10-67)

(NIT5) = Nitrobenzene-d5 (S)

(29-126)

(PHD5) = Phenol-d5 (S)

(10-47)

(TD14) = p-Terphenyl-d14 (S)

(28-129)

* Values outside of QC Limits

MSSV FULL SCAN - FORM III SVOA-1
WATER LABORATORY CONTROL SAMPLE RECOVERY

Lab Name: Pace Analytical - Indiana
Date Extracted: 06/24/2014
Instrument: 50MSS2
Lab File ID: 062414.B\1116332L.D

Lab Sample ID: 1116332LCS
Date Analyzed (1): 06/24/2014
LCS Lot No: 70722
SDG No.: 5099688

COMPOUND	AMOUNT ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS %REC	QC LIMITS REC.
Acenaphthene	100	85.9	86	45-119
Acenaphthylene	100	84.3	84	46-120
Anthracene	100	96.1	96	50-129
Benzo(a)anthracene	100	94.1	94	54-126
Benzo(a)pyrene	100	93.0	93	59-129
Benzo(b)fluoranthene	100	95.5	96	53-127
Benzo(g,h,i)perylene	100	92.3	92	53-125
Benzo(k)fluoranthene	100	91.9	92	54-125
4-Chloro-3-methylphenol	100	69.9	70	43-113
2-Chlorophenol	100	60.1	60	40-98
Chrysene	100	96.5	97	51-123
Dibenz(a,h)anthracene	100	94.7	95	52-125
2,4-Dinitrotoluene	100	101	101	36-126
Fluoranthene	100	94.3	94	51-127
Fluorene	100	91.2	91	46-124
Indeno(1,2,3-cd)pyrene	100	90.1	90	54-125
2-Methylnaphthalene	100	73.1	73	36-111
Naphthalene	100	74.0	74	39-108
4-Nitrophenol	100	ND	23	10-42
N-Nitroso-di-n-propylamine	100	87.4	87	43-120
Pentachlorophenol	100	97.6	98	31-125
Phenanthrene	100	94.5	95	49-124
Phenol	100	23.6	24	10-37
Pyrene	100	92.0	92	51-127

Spike Recovery: 0 out of 24 outside limits.

07/21/2014 8:53

MSSV FULL SCAN - FORM III SVOA-1
SOLID LABORATORY CONTROL SAMPLE RECOVERY

Lab Name: Pace Analytical - Indiana
 Date Extracted: 06/25/2014
 Instrument: 50MSS3
 Lab File ID: 062714.B\1117088L.D

Lab Sample ID: 1117088LCS
 Date Analyzed (1): 06/27/2014
 LCS Lot No: 70722
 SDG No.: 5099688

COMPOUND	AMOUNT ADDED (ug/kg)	LCS CONCENTRATION (ug/kg)	LCS %REC	QC LIMITS REC.
Acenaphthene	3330	2470	74	43-99
Acenaphthylene	3330	2520	75	42-101
Anthracene	3330	2660	80	46-107
Benzo(a)anthracene	3330	2520	76	45-108
Benzo(a)pyrene	3330	3710	111	47-113
Benzo(b)fluoranthene	3330	3410	102	41-110
Benzo(g,h,i)perylene	3330	3730	112	42-112
Benzo(k)fluoranthene	3330	3580	108	44-107
4-Chloro-3-methylphenol	3330	2400	72	38-104
2-Chlorophenol	3330	2320	70	38-96
Chrysene	3330	2640	79	43-103
Dibenz(a,h)anthracene	3330	3790	114	43-110
2,4-Dinitrotoluene	3330	2340	70	39-103
Fluoranthene	3330	2750	82	45-105
Fluorene	3330	2730	82	42-103
Indeno(1,2,3-cd)pyrene	3330	3660	110	43-111
2-Methylnaphthalene	3330	2420	73	36-94
Naphthalene	3330	2370	71	44-100
4-Nitrophenol	3330	2130	64	34-104
N-Nitroso-di-n-propylamine	3330	2400	72	37-96
Pentachlorophenol	3330	ND	37	21-103
Phenanthrene	3330	2540	76	44-104
Phenol	3330	2410	72	37-101
Pyrene	3330	2800	84	44-105

Spike Recovery: 2 out of 24 outside limits.

07/21/2014 8:53

MSSV FULL SCAN - FORM III SVOA-1
SOLID SEMI-VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Pace Analytical - Indiana

Matrix Spike - Sample No: 1117089MS

Date Extracted: 06/25/2014

Date Analyzed (1): 06/27/2014

Instrument: 50MSS3

Lab File ID: 062714.B\1117089M.D

Parent Sample ID: TMW-5(12-14)

SDG No.: 5099688

COMPOUND	SPIKE ADDED (ug/kg)	SAMPLE CONCENTRATION (ug/kg)	MS CONCENTRATION (ug/kg)	MS %REC	QC LIMITS REC.
2,4-Dinitrotoluene	3450	ND	2640	77	15-102
2-Chlorophenol	3450	ND	2610	76	22-96
2-Methylnaphthalene	3450	ND	2620	76	14-107
4-Chloro-3-methylphenol	3450	ND	2780	81	21-105
4-Nitrophenol	3450	ND	2730	79	12-107
Acenaphthene	3450	ND	2670	77	19-110
Acenaphthylene	3450	ND	2770	80	21-106
Anthracene	3450	ND	2840	82	22-112
Benzo(a)anthracene	3450	ND	2730	79	13-116
Benzo(a)pyrene	3450	ND	3950	114	11-119
Benzo(b)fluoranthene	3450	ND	3560	103	10-126
Benzo(g,h,i)perylene	3450	ND	3750	109	10-114
Benzo(k)fluoranthene	3450	ND	3960	115	10-117
Chrysene	3450	ND	2790	81	14-107
Dibenz(a,h)anthracene	3450	ND	3840	111	10-119
Fluoranthene	3450	ND	2880	83	17-110
Fluorene	3450	ND	2940	85	17-115
Indeno(1,2,3-cd)pyrene	3450	ND	3750	109	11-111
N-Nitroso-di-n-propylamine	3450	ND	2690	78	18-103
Naphthalene	3450	ND	2490	72	16-102
Pentachlorophenol	3450	ND	2490	72	10-100
Phenanthrene	3450	ND	2770	80	10-128
Phenol	3450	ND	2700	78	22-97
Pyrene	3450	ND	2920	85	10-123

Spike Recovery: 0 out of 24 outside limits.

07/21/2014 8:52

MSSV FULL SCAN - FORM III SVOA-2
SOLID SEMI-VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Instrument (2): 50MSS3 Matrix Spike Duplicate - Sample No: 1117090MSD
 Lab File ID (2): 062714.B\1117090D.D Date Analyzed (2): 06/27/2014

COMPOUND	SPIKE ADDED (ug/kg)	MSD CONCENTRATION (ug/kg)	MSD %REC	%RPD	QC LIMITS	
					RPD	REC.
2,4-Dinitrotoluene	3470	2720	78	3	0-20	15-102
2-Chlorophenol	3470	2440	70	7	0-20	22-96
2-Methylnaphthalene	3470	2580	74	2	0-20	14-107
4-Chloro-3-methylphenol	3470	2710	78	3	0-20	21-105
4-Nitrophenol	3470	2680	77	2	0-20	12-107
Acenaphthene	3470	2630	76	1	0-20	19-110
Acenaphthylene	3470	2780	80	0	0-20	21-106
Anthracene	3470	2850	82	0	0-20	22-112
Benzo(a)anthracene	3470	2750	79	1	0-20	13-116
Benzo(a)pyrene	3470	4040	116	2	0-20	11-119
Benzo(b)fluoranthene	3470	3830	110	7	0-20	10-126
Benzo(g,h,i)perylene	3470	3850	111	3	0-20	10-114
Benzo(k)fluoranthene	3470	3920	113	1	0-20	10-117
Chrysene	3470	2850	82	2	0-20	14-107
Dibenz(a,h)anthracene	3470	3950	114	3	0-20	10-119
Fluoranthene	3470	3060	88	6	0-20	17-110
Fluorene	3470	3000	86	2	0-20	17-115
Indeno(1,2,3-cd)pyrene	3470	3860	111	3	0-20	11-111
N-Nitroso-di-n-propylamine	3470	2530	73	6	0-20	18-103
Naphthalene	3470	2380	68	4	0-20	16-102
Pentachlorophenol	3470	2590	75	4	0-20	10-100
Phenanthrene	3470	2830	82	2	0-20	10-128
Phenol	3470	2550	73	6	0-20	22-97
Pyrene	3470	3120	90	6	0-20	10-123

RPD: 0 out of 24 outside limits.

Spike Recovery: 0 out of 24 outside limits.

MSSV FULL SCAN - FORM III SVOA-3
SOLID SEMI-VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Pace Analytical - Indiana

Matrix Spike - Sample No: 1117091MS

Date Extracted: 06/25/2014

Date Analyzed (1): 06/27/2014

Instrument: 50MSS3

Lab File ID: 062714.B\1117091M.D

Parent Sample ID: TMW-6(2-4)

SDG No.: 5099688

COMPOUND	SPIKE ADDED (ug/kg)	SAMPLE CONCENTRATION (ug/kg)	MS CONCENTRATION (ug/kg)	MS %REC	QC LIMITS REC.
2,4-Dinitrotoluene	3790	ND	2900	76	15-102
2-Chlorophenol	3790	ND	2220	59	22-96
2-Methylnaphthalene	3790	ND	2840	73	14-107
4-Chloro-3-methylphenol	3790	ND	2440	64	21-105
4-Nitrophenol	3790	ND	2790	74	12-107
Acenaphthene	3790	ND	2980	79	19-110
Acenaphthylene	3790	ND	2850	75	21-106
Anthracene	3790	ND	2880	76	22-112
Benzo(a)anthracene	3790	ND	2800	74	13-116
Benzo(a)pyrene	3790	ND	3380	89	11-119
Benzo(b)fluoranthene	3790	ND	3720	98	10-126
Benzo(g,h,i)perylene	3790	ND	2960	78	10-114
Benzo(k)fluoranthene	3790	ND	3660	97	10-117
Chrysene	3790	ND	2900	77	14-107
Dibenz(a,h)anthracene	3790	ND	3380	89	10-119
Fluoranthene	3790	ND	3430	91	17-110
Fluorene	3790	ND	3260	86	17-115
Indeno(1,2,3-cd)pyrene	3790	ND	3120	83	11-111
N-Nitroso-di-n-propylamine	3790	ND	2890	76	18-103
Naphthalene	3790	ND	2860	73	16-102
Pentachlorophenol	3790	ND	1950	52	10-100
Phenanthrene	3790	ND	3130	81	10-128
Phenol	3790	ND	2410	64	22-97
Pyrene	3790	ND	3420	90	10-123

Spike Recovery: 0 out of 24 outside limits.

07/21/2014 8:52

MSSV FULL SCAN - FORM III SVOA-4
SOLID SEMI-VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Instrument (2): 50MSS3 Matrix Spike Duplicate - Sample No: 1117092MSD
Lab File ID (2): 062714.B\1117092D.D Date Analyzed (2): 06/27/2014

COMPOUND	SPIKE ADDED (ug/kg)	MSD CONCENTRATION (ug/kg)	MSD %REC	%RPD	QC LIMITS	
					RPD	REC.
2,4-Dinitrotoluene	3810	2580	68	11	0-20	15-102
2-Chlorophenol	3810	2160	57	3	0-20	22-96
2-Methylnaphthalene	3810	2680	69	6	0-20	14-107
4-Chloro-3-methylphenol	3810	2480	65	2	0-20	21-105
4-Nitrophenol	3810	2400	63	15	0-20	12-107
Acenaphthene	3810	2750	72	8	0-20	19-110
Acenaphthylene	3810	2640	69	8	0-20	21-106
Anthracene	3810	2720	71	6	0-20	22-112
Benzo(a)anthracene	3810	2760	72	2	0-20	13-116
Benzo(a)pyrene	3810	3200	84	5	0-20	11-119
Benzo(b)fluoranthene	3810	3680	96	1	0-20	10-126
Benzo(g,h,i)perylene	3810	2790	73	6	0-20	10-114
Benzo(k)fluoranthene	3810	3630	95	1	0-20	10-117
Chrysene	3810	2880	76	1	0-20	14-107
Dibenz(a,h)anthracene	3810	3060	80	10	0-20	10-119
Fluoranthene	3810	3550	93	4	0-20	17-110
Fluorene	3810	2970	78	10	0-20	17-115
Indeno(1,2,3-cd)pyrene	3810	2880	76	8	0-20	11-111
N-Nitroso-di-n-propylamine	3810	2720	71	6	0-20	18-103
Naphthalene	3810	2740	69	4	0-20	16-102
Pentachlorophenol	3810	1940	51	1	0-20	10-100
Phenanthrene	3810	3310	85	6	0-20	10-128
Phenol	3810	2300	60	5	0-20	22-97
Pyrene	3810	3440	90	1	0-20	10-123

RPD: 0 out of 24 outside limits.

Spike Recovery: 0 out of 24 outside limits.

MSSV FULL SCAN - FORM IV SVOA-1
SEMI-VOLATILE METHOD BLANK SUMMARY

SAMPLE NO.

1116331BLANK

Lab Name: Pace Analytical - Indiana SDG No.: 5099688 Contract: Sibley-Accucast/2339-356-
Instrument ID: 50MSS2 Matrix: Water Lab Sample ID: 1116331
Lab File ID: 062414.B\1116331B.D Date Analyzed: 06/24/2014 Time: 16:29

SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	ANALYZED
1116332LCS	1116332	062414.B\1116332L.D	06/24/2014 16:52
SOIL EQ BLANK	5099688013	062414.B\5099688013.D	06/24/2014 21:06

MSSV FULL SCAN - FORM IV SVOA-1
SEMI-VOLATILE METHOD BLANK SUMMARY

SAMPLE NO.

1117087BLANK

Lab Name: Pace Analytical - Indiana SDG No.: 5099688 Contract: Sibley-Accucast/2339-356-
 Instrument ID: 50MSS3 Matrix: Solid Lab Sample ID: 1117087
 Lab File ID: 062714.B\1117087B.D Date Analyzed: 06/27/2014 Time: 15:01

SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	ANALYZED
1117088LCS	1117088	062714.B\1117088L.D	06/27/2014 15:24
TMW-5(12-14)	5099688001	062714.B\5099688001.D	06/27/2014 17:21
1117089MS	1117089	062714.B\1117089M.D	06/27/2014 17:44
1117090MSD	1117090	062714.B\1117090D.D	06/27/2014 18:08
TMW-5(2-4)	5099688002	062714.B\5099688002.D	06/27/2014 18:31
TMW-4(14-16)	5099688003	062714.B\5099688003.D	06/27/2014 18:54
TMW-4(5-7)	5099688004	062714.B\5099688004.D	06/27/2014 19:18
P-5(10-12)	5099688005	062714.B\5099688005.D	06/27/2014 19:41
P-5(2-4)	5099688006	062714.B\5099688006.D	06/27/2014 20:04
TMW-6(14-16)	5099688007	062714.B\5099688007.D	06/27/2014 20:28
TMW-6(2-4)	5099688008	062714.B\5099688008.D	06/27/2014 20:51
1117091MS	1117091	062714.B\1117091M.D	06/27/2014 21:14
1117092MSD	1117092	062714.B\1117092D.D	06/27/2014 21:38
P-6(10-12)	5099688009	062714.B\5099688009.D	06/27/2014 22:01
P-6(2-4)	5099688010	062714.B\5099688010.D	06/27/2014 22:24
P-3 RE(2-4)	5099688011	062714.B\5099688011.D	06/27/2014 22:48
P-8 RE(0-2)	5099688012	062714.B\5099688012.D	06/27/2014 23:11

MSSV Full Scan - FORM V SVOA-1
SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET
PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Pace Analytical - Indiana SDG No.: 5099688 Contract: Sibley-Accucast/2339-356-
 Lab File ID: 060914CAL.B\DFTPP-A.D DFTPP Injection Date: 06/09/2014
 Instrument ID: 50MSS2 DFTPP Injection Time: 12:56

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.00 - 60.00% of mass 198	38.56
68	Less than 2.00% of mass 69	0.67 (1.61) ¹
69	Mass 69 relative abundance	41.57
70	Less than 2.00% of mass 69	0.00 (0.00) ¹
127	40.00 - 60.00% of mass 198	52.43
197	Less than 1.00% of mass 198	0.47
198	Base Peak, 100.00% relative abundance	100.00
199	5.00 - 9.00% of mass 198	6.98
275	10.00 - 30.00% of mass 198	24.11
365	Greater than 1.00% of mass 198	2.59
441	Present, but less than mass 443	11.50
442	Greater than 40.00% of mass 198	77.85
443	17.00 - 23.00% of mass 442	15.49 (19.90) ²

1 - Value is % mass 69

2 - Value is % mass 442

SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
6978098CAL2	6978098CAL2	060914CAL.B\5PPM.D	06/09/2014	13:19
6978096CAL3	6978096CAL3	060914CAL.B\10PPM.D	06/09/2014	13:41
6978099CAL4	6978099CAL4	060914CAL.B\20PPM.D	06/09/2014	14:04
6978095CAL5	6978095CAL5	060914CAL.B\50PPM.D	06/09/2014	14:26
6978092CAL6	6978092CAL6	060914CAL.B\100PPM.D	06/09/2014	14:49
6978094CAL7	6978094CAL7	060914CAL.B\150PPM.D	06/09/2014	15:11
6978093CAL8	6978093CAL8	060914CAL.B\175PPM.D	06/09/2014	15:34
6978097CAL9	6978097CAL9	060914CAL.B\200PPM.D	06/09/2014	15:56
6849015ICV	6849015ICV	060914CAL.B\100PPM-ICV.D	06/09/2014	16:19

MSSV Full Scan - FORM V SVOA-1
SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET
PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Pace Analytical - Indiana SDG No.: 5099688 Contract: Sibley-Accucast/2339-356-
 Lab File ID: 062414.B\DFTPP-A.D DFTPP Injection Date: 06/24/2014
 Instrument ID: 50MSS2 DFTPP Injection Time: 14:36

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.00 - 60.00% of mass 198	39.44
68	Less than 2.00% of mass 69	0.00 (0.00) ¹
69	Mass 69 relative abundance	42.81
70	Less than 2.00% of mass 69	0.00 (0.00) ¹
127	40.00 - 60.00% of mass 198	55.81
197	Less than 1.00% of mass 198	0.00
198	Base Peak, 100.00% relative abundance	100.00
199	5.00 - 9.00% of mass 198	6.63
275	10.00 - 30.00% of mass 198	22.23
365	Greater than 1.00% of mass 198	2.22
441	Present, but less than mass 443	10.52
442	Greater than 40.00% of mass 198	68.44
443	17.00 - 23.00% of mass 442	14.09 (20.59) ²

1 - Value is % mass 69

2 - Value is % mass 442

SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
6978163CCV	6978163CCV	062414.B\100PPM-A.D	06/24/2014	14:59
1116331BLANK	1116331BLANK	062414.B\1116331B.D	06/24/2014	16:29
1116332LCS	1116332LCS	062414.B\1116332L.D	06/24/2014	16:52
SOIL EQ BLANK	5099688013	062414.B\5099688013.D	06/24/2014	21:06

MSSV Full Scan - FORM V SVOA-1
SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET
PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Pace Analytical - Indiana SDG No.: 5099688 Contract: Sibley-Accucast/2339-356-
 Lab File ID: 061014CAL8270.B\DFTPP-A.D DFTPP Injection Date: 06/10/2014
 Instrument ID: 50MSS3 DFTPP Injection Time: 10:13

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.00 - 60.00% of mass 198	39.68
68	Less than 2.00% of mass 69	0.74 (1.91) ¹
69	Mass 69 relative abundance	39.00
70	Less than 2.00% of mass 69	0.00 (0.00) ¹
127	40.00 - 60.00% of mass 198	50.82
197	Less than 1.00% of mass 198	0.00
198	Base Peak, 100.00% relative abundance	100.00
199	5.00 - 9.00% of mass 198	7.17
275	10.00 - 30.00% of mass 198	25.18
365	Greater than 1.00% of mass 198	2.48
441	Present, but less than mass 443	10.31
442	Greater than 40.00% of mass 198	72.80
443	17.00 - 23.00% of mass 442	14.54 (19.97) ²

1 - Value is % mass 69

2 - Value is % mass 442

SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
6854850CAL2	6854850CAL2	061014CAL8270.B\5PPM.D	06/10/2014	10:37
6854845CAL3	6854845CAL3	061014CAL8270.B\10PPM.D	06/10/2014	11:00
6854847CAL4	6854847CAL4	061014CAL8270.B\20PPM.D	06/10/2014	11:24
6854844CAL5	6854844CAL5	061014CAL8270.B\50PPM.D	06/10/2014	11:47
6854848CAL6	6854848CAL6	061014CAL8270.B\100PPM.D	06/10/2014	12:11
6854846CAL7	6854846CAL7	061014CAL8270.B\150PPM.D	06/10/2014	12:34
6854849CAL8	6854849CAL8	061014CAL8270.B\175PPM.D	06/10/2014	12:58
6854843CAL9	6854843CAL9	061014CAL8270.B\200PPM.D	06/10/2014	13:21
6854851ICV	6854851ICV	061014CAL8270.B\100PPMICV.D	06/10/2014	13:45

MSSV Full Scan - FORM V SVOA-1
SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET
PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Pace Analytical - Indiana SDG No.: 5099688 Contract: Sibley-Accucast/2339-356-
 Lab File ID: 062714.B\DFTPP-A.D DFTPP Injection Date: 06/27/2014
 Instrument ID: 50MSS3 DFTPP Injection Time: 13:04

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.00 - 60.00% of mass 198	31.58
68	Less than 2.00% of mass 69	0.55 (1.73) ¹
69	Mass 69 relative abundance	31.84
70	Less than 2.00% of mass 69	0.00 (0.00) ¹
127	40.00 - 60.00% of mass 198	45.07
197	Less than 1.00% of mass 198	0.49
198	Base Peak, 100.00% relative abundance	100.00
199	5.00 - 9.00% of mass 198	6.59
275	10.00 - 30.00% of mass 198	25.26
365	Greater than 1.00% of mass 198	2.63
441	Present, but less than mass 443	12.70
442	Greater than 40.00% of mass 198	89.60
443	17.00 - 23.00% of mass 442	17.48 (19.51) ²

1 - Value is % mass 69

2 - Value is % mass 442

SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
6984997CCV	6984997CCV	062714.B\100PPM-A.D	06/27/2014	13:28
1117087BLANK	1117087BLANK	062714.B\1117087B.D	06/27/2014	15:01
1117088LCS	1117088LCS	062714.B\1117088L.D	06/27/2014	15:24
TMW-5(12-14)	5099688001	062714.B\5099688001.D	06/27/2014	17:21
1117089MS	1117089MS	062714.B\1117089M.D	06/27/2014	17:44
1117090MSD	1117090MSD	062714.B\1117090D.D	06/27/2014	18:08
TMW-5(2-4)	5099688002	062714.B\5099688002.D	06/27/2014	18:31
TMW-4(14-16)	5099688003	062714.B\5099688003.D	06/27/2014	18:54
TMW-4(5-7)	5099688004	062714.B\5099688004.D	06/27/2014	19:18
P-5(10-12)	5099688005	062714.B\5099688005.D	06/27/2014	19:41
P-5(2-4)	5099688006	062714.B\5099688006.D	06/27/2014	20:04
TMW-6(14-16)	5099688007	062714.B\5099688007.D	06/27/2014	20:28
TMW-6(2-4)	5099688008	062714.B\5099688008.D	06/27/2014	20:51
1117091MS	1117091MS	062714.B\1117091M.D	06/27/2014	21:14
1117092MSD	1117092MSD	062714.B\1117092D.D	06/27/2014	21:38
P-6(10-12)	5099688009	062714.B\5099688009.D	06/27/2014	22:01
P-6(2-4)	5099688010	062714.B\5099688010.D	06/27/2014	22:24
P-3 RE(2-4)	5099688011	062714.B\5099688011.D	06/27/2014	22:48
P-8 RE(0-2)	5099688012	062714.B\5099688012.D	06/27/2014	23:11

07/21/2014 12:19

MSSV FULL SCAN - FORM VI SVOA-1
MSSV FULL SCAN INITIAL CALIBRATION DATA

Lab Name: Pace Analytical - Indiana Instrument ID: 50MSS2 GC Column: Col 1 SDG No.: 5099688
 Calibration Date(s): 06/09/2014 06/09/2014 Calibration Time(s): 13:19 15:56

LAB FILE ID

CAL2 = 060914CAL.B\5PPM.D CAL3 = 060914CAL.B\10PPM.D CAL4 = 060914CAL.B\20PPM.D
 CAL5 = 060914CAL.B\50PPM.D CAL6 = 060914CAL.B\100PPM.D CAL7 = 060914CAL.B\150PPM.D
 CAL8 = 060914CAL.B\175PPM.D CAL9 = 060914CAL.B\200PPM.D

COMPOUND	CURVE TYPE	CAL2	CAL3	CAL4	CAL5	CAL6	CAL7
Acenaphthene	Averaged	1.27918	1.33441	1.32604	1.20385	1.18344	1.10829
Acenaphthylene	Averaged	1.99075	2.09209	2.09120	1.91462	1.91390	1.84136
Anthracene	Averaged	1.16116	1.19221	1.19048	1.09102	1.07269	1.03099
Benzo(a)anthracene	Averaged	1.08186	1.13685	1.10713	1.03639	1.03053	0.98281
Benzo(a)pyrene	Averaged	1.10992	1.18078	1.13727	1.07602	1.11448	1.09619
Benzo(b)fluoranthene	Averaged	1.21509	1.19985	1.30056	1.25981	1.26061	1.19188
Benzo(g,h,i)perylene	Averaged	1.21478	1.28502	1.23381	1.16866	1.21618	1.21214
Benzo(k)fluoranthene	Averaged	1.32054	1.54543	1.31031	1.20785	1.23671	1.23167
Benzyl alcohol	Averaged	0.71425	0.81556	0.83024	0.79989	0.86005	0.84824
4-Bromophenylphenyl ether	Averaged	0.22946	0.24006	0.24217	0.23405	0.23936	0.24107
Butylbenzylphthalate	Averaged	0.41645	0.45154	0.44907	0.42286	0.43178	0.42007
4-Chloro-3-methylphenol	Averaged	0.27077	0.28559	0.29076	0.27142	0.28808	0.28050
4-Chloroaniline	Averaged	0.32825	0.45094	0.45093	0.41293	0.42755	0.40463
bis(2-Chloroethoxy)methane	Averaged	0.36091	0.39086	0.38124	0.35273	0.36683	0.35357
bis(2-Chloroethyl) ether	Averaged	1.12563	1.17492	1.14953	1.07643	1.09538	1.06970
bis(2chloro1methylethyl) ether	Averaged	1.54037	1.59636	1.53783	1.37905	1.33719	1.23749
2-Chloronaphthalene	Averaged	1.17050	1.22127	1.21365	1.11602	1.10849	1.06593
2-Chlorophenol	Averaged	1.37049	1.43922	1.40349	1.32049	1.37150	1.32501
4-Chlorophenylphenyl ether	Averaged	0.67644	0.69943	0.70831	0.63443	0.66259	0.65041
Chrysene	Averaged	1.03531	1.06519	1.03021	0.94705	0.95525	0.92836
Dibenz(a,h)anthracene	Averaged	1.16601	1.24330	1.21053	1.14038	1.18723	1.14559
Dibenzofuran	Averaged	1.76410	1.82850	1.80832	1.65693	1.67905	1.62716
3,3'-Dichlorobenzidine	Averaged	0.35099	0.37970	0.36779	0.32484	0.33570	0.32609
2,4-Dichlorophenol	Averaged	0.28409	0.31232	0.31565	0.29638	0.31200	0.30684
Diethylphthalate	Averaged	1.35686	1.40868	1.40735	1.26742	1.26319	1.19830
2,4-Dimethylphenol	Averaged	0.29163	0.31430	0.31072	0.28947	0.30014	0.29308
Dimethylphthalate	Averaged	1.37782	1.40794	1.39740	1.27279	1.29113	1.26962
Di-n-butylphthalate	Averaged	1.18713	1.25915	1.24416	1.15542	1.15035	1.10190
4,6-Dinitro-2-methylphenol	Linear	0.05902	0.08479	0.10595	0.11943	0.13410	0.13760
2,4-Dinitrophenol	Linear	0.03405	0.06456	0.10338	0.13600	0.17798	0.19176
2,4-Dinitrotoluene	Averaged	0.32152	0.37915	0.40346	0.38777	0.41245	0.41167
2,6-Dinitrotoluene	Averaged	0.23802	0.27222	0.29025	0.27745	0.29995	0.29715
Di-n-octylphthalate	Averaged	1.05606	1.18893	1.19407	1.13093	1.14976	1.11848
bis(2-Ethylhexyl)phthalate	Averaged	0.59998	0.65505	0.65307	0.61161	0.62307	0.61150
Fluoranthene	Averaged	1.31193	1.36753	1.33139	1.23384	1.21608	1.16786

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

MSSV FULL SCAN - FORM VI SVOA-2
MSSV FULL SCAN INITIAL CALIBRATION DATA

Lab Name: Pace Analytical - Indiana Instrument ID: 50MSS2 GC Column: Col 1 SDG No.: 5099688
 Calibration Date(s): 06/09/2014 06/09/2014 Calibration Time(s): 13:19 15:56

LAB FILE ID

CAL2 = 060914CAL.B\5PPM.D CAL3 = 060914CAL.B\10PPM.D CAL4 = 060914CAL.B\20PPM.D
 CAL5 = 060914CAL.B\50PPM.D CAL6 = 060914CAL.B\100PPM.D CAL7 = 060914CAL.B\150PPM.D
 CAL8 = 060914CAL.B\175PPM.D CAL9 = 060914CAL.B\200PPM.D

COMPOUND	CURVE TYPE	CAL2	CAL3	CAL4	CAL5	CAL6	CAL7
Fluorene	Averaged	1.46054	1.50963	1.49248	1.33820	1.34472	1.24587
Hexachloro-1,3-butadiene	Averaged	0.20033	0.21117	0.20573	0.19258	0.20365	0.20118
Hexachlorobenzene	Averaged	0.27683	0.28820	0.29018	0.27503	0.28355	0.28862
Hexachlorocyclopentadiene	Linear	0.00000	0.09838	0.15814	0.21757	0.28417	0.31420
Hexachloroethane	Averaged	0.54885	0.56559	0.55205	0.52120	0.54065	0.53278
Indeno(1,2,3-cd)pyrene	Averaged	1.42768	1.52056	1.48173	1.41678	1.46852	1.44031
Isophorone	Averaged	0.58903	0.62232	0.61491	0.56426	0.59052	0.57494
2-Methylnaphthalene	Averaged	0.73172	0.76728	0.76096	0.69574	0.71177	0.68636
2-Methylphenol(o-Cresol)	Averaged	1.16065	1.23736	1.21384	1.09385	1.12195	1.07451
3&4-Methylphenol(m&p Cresol)	Averaged	1.23186	1.31248	1.28908	1.20296	1.22170	1.17566
Naphthalene	Averaged	1.08016	1.12423	1.09328	1.00834	1.04057	0.99945
2-Nitroaniline	Averaged	0.24119	0.27123	0.28300	0.27107	0.28817	0.28254
3-Nitroaniline	Averaged	0.26235	0.30374	0.32229	0.31956	0.32915	0.31998
4-Nitroaniline	Averaged	0.27921	0.29126	0.33012	0.32100	0.34673	0.34275
Nitrobenzene	Averaged	0.30222	0.32496	0.31911	0.29900	0.31376	0.30523
2-Nitrophenol	Averaged	0.15996	0.18266	0.18872	0.18435	0.19803	0.19580
4-Nitrophenol	Averaged		0.13297	0.14816	0.14426	0.16280	0.16135
N-Nitroso-di-n-propylamine	Averaged	0.82999	0.87581	0.86082	0.78936	0.79848	0.76992
N-Nitrosodiphenylamine	Averaged	0.54204	0.56950	0.55539	0.51689	0.50669	0.49245
Pentachlorophenol	Linear	0.08941	0.10966	0.12897	0.14417	0.16487	0.17405
Phenanthrene	Averaged	1.18554	1.20054	1.17907	1.07657	1.05007	1.02186
Phenol	Averaged	1.56490	1.61674	1.60735	1.49791	1.52347	1.47294
Pyrene	Averaged	1.40795	1.43392	1.41544	1.30912	1.25827	1.20421
2,4,5-Trichlorophenol	Averaged	0.39153	0.42931	0.44189	0.40556	0.43498	0.43194
2,4,6-Trichlorophenol	Averaged	0.37030	0.40165	0.40971	0.39061	0.41015	0.40763
2-Fluorobiphenyl (S)	Averaged	1.39946	1.43946	1.44310	1.33216	1.35653	1.32310
2-Fluorophenol (S)	Averaged	1.15244	1.21085	1.17773	1.12385	1.14698	1.12831
Nitrobenzene-d5 (S)	Averaged	0.29598	0.31668	0.31877	0.29905	0.31543	0.30834
Phenol-d5 (S)	Averaged	1.44286	1.52738	1.51801	1.42230	1.45799	1.40801
p-Terphenyl-d14 (S)	Averaged	0.84388	0.89206	0.87318	0.83324	0.82671	0.80325
2,4,6-Tribromophenol (S)	Averaged	0.12765	0.14259	0.14573	0.14333	0.15557	0.16093

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

07/21/2014 8:54

MSSV FULL SCAN - FORM VI SVOA-3
MSSV FULL SCAN INITIAL CALIBRATION DATA

Lab Name: Pace Analytical - Indiana Instrument ID: 50MSS2 GC Column: Col 1 SDG No.: 5099688
 Calibration Date(s): 06/09/2014 06/09/2014 Calibration Time(s): 13:19 15:56

LAB FILE ID

CAL2 = 060914CAL.B\5PPM.D CAL3 = 060914CAL.B\10PPM.D CAL4 = 060914CAL.B\20PPM.D
 CAL5 = 060914CAL.B\50PPM.D CAL6 = 060914CAL.B\100PPM.D CAL7 = 060914CAL.B\150PPM.D
 CAL8 = 060914CAL.B\175PPM.D CAL9 = 060914CAL.B\200PPM.D

COMPOUND	CURVE TYPE	CAL8	CAL9
Acenaphthene	Averaged	1.09479	0.96644
Acenaphthylene	Averaged	1.81688	1.61070
Anthracene	Averaged	1.01260	0.88564
Benzo(a)anthracene	Averaged	0.95868	0.84543
Benzo(a)pyrene	Averaged	1.09450	0.94988
Benzo(b)fluoranthene	Averaged	1.16619	1.08716
Benzo(g,h,i)perylene	Averaged	1.22176	1.07182
Benzo(k)fluoranthene	Averaged	1.26484	0.96795
Benzyl alcohol	Averaged	0.84478	0.80775
4-Bromophenylphenyl ether	Averaged	0.24446	0.21727
Butylbenzylphthalate	Averaged	0.41598	0.37314
4-Chloro-3-methylphenol	Averaged	0.28089	0.26007
4-Chloroaniline	Averaged	0.39618	0.36000
bis(2-Chloroethoxy)methane	Averaged	0.35484	0.32134
bis(2-Chloroethyl) ether	Averaged	1.06573	1.01025
bis(2chloro1methylethyl) ether	Averaged	1.19824	1.11036
2-Chloronaphthalene	Averaged	1.06346	0.94477
2-Chlorophenol	Averaged	1.31590	1.25060
4-Chlorophenylphenyl ether	Averaged	0.64245	0.57864
Chrysene	Averaged	0.92044	0.80397
Dibenz(a,h)anthracene	Averaged	1.12864	0.95691
Dibenzofuran	Averaged	1.60357	1.41449
3,3'-Dichlorobenzidine	Averaged	0.31728	
2,4-Dichlorophenol	Averaged	0.30692	0.28215
Diethylphthalate	Averaged	1.18040	1.03172
2,4-Dimethylphenol	Averaged	0.28951	0.26619
Dimethylphthalate	Averaged	1.24313	1.11516
Di-n-butylphthalate	Averaged	1.09622	0.95980
4,6-Dinitro-2-methylphenol	Linear	0.14122	0.12641
2,4-Dinitrophenol	Linear	0.19951	0.18593
2,4-Dinitrotoluene	Averaged	0.41825	0.37604
2,6-Dinitrotoluene	Averaged	0.30147	0.26945
Di-n-octylphthalate	Averaged	1.11119	0.96596
bis(2-Ethylhexyl)phthalate	Averaged	0.60449	0.53246
Fluoranthene	Averaged	1.14410	1.00340

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

MSSV FULL SCAN - FORM VI SVOA-4
MSSV FULL SCAN INITIAL CALIBRATION DATA

Lab Name: Pace Analytical - Indiana Instrument ID: 50MSS2 GC Column: Col 1 SDG No.: 5099688
 Calibration Date(s): 06/09/2014 06/09/2014 Calibration Time(s): 13:19 15:56

LAB FILE ID

CAL2 = 060914CAL.B\5PPM.D CAL3 = 060914CAL.B\10PPM.D CAL4 = 060914CAL.B\20PPM.D
 CAL5 = 060914CAL.B\50PPM.D CAL6 = 060914CAL.B\100PPM.D CAL7 = 060914CAL.B\150PPM.D
 CAL8 = 060914CAL.B\175PPM.D CAL9 = 060914CAL.B\200PPM.D

COMPOUND	CURVE TYPE	CAL8	CAL9
Fluorene	Averaged	1.21208	1.05478
Hexachloro-1,3-butadiene	Averaged	0.20342	0.18930
Hexachlorobenzene	Averaged	0.29088	0.26211
Hexachlorocyclopentadiene	Linear	0.32811	0.30266
Hexachloroethane	Averaged	0.52686	0.50048
Indeno(1,2,3-cd)pyrene	Averaged	1.42655	1.23995
Isophorone	Averaged	0.57928	0.53130
2-Methylnaphthalene	Averaged	0.68683	0.62758
2-Methylphenol(o-Cresol)	Averaged	1.06556	1.01537
3&4-Methylphenol(m&p Cresol)	Averaged	1.15815	1.09615
Naphthalene	Averaged	0.99884	0.90541
2-Nitroaniline	Averaged	0.28258	0.25382
3-Nitroaniline	Averaged	0.31317	0.28002
4-Nitroaniline	Averaged	0.34405	0.31044
Nitrobenzene	Averaged	0.30753	0.28089
2-Nitrophenol	Averaged	0.19552	0.18152
4-Nitrophenol	Averaged	0.16613	0.14773
N-Nitroso-di-n-propylamine	Averaged	0.76158	0.71568
N-Nitrosodiphenylamine	Averaged	0.47915	0.42238
Pentachlorophenol	Linear	0.17669	0.16237
Phenanthrene	Averaged	0.99383	0.87824
Phenol	Averaged	1.45282	1.37079
Pyrene	Averaged	1.17355	1.03563
2,4,5-Trichlorophenol	Averaged	0.43793	0.39524
2,4,6-Trichlorophenol	Averaged	0.41055	0.37005
2-Fluorobiphenyl (S)	Averaged	1.32332	1.17594
2-Fluorophenol (S)	Averaged	1.10753	1.05514
Nitrobenzene-d5 (S)	Averaged	0.31109	0.28437
Phenol-d5 (S)	Averaged	1.38982	1.32634
p-Terphenyl-d14 (S)	Averaged	0.79714	0.70151
2,4,6-Tribromophenol (S)	Averaged	0.16192	0.14850

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

MSSV FULL SCAN - FORM VI SVOA-5
MSSV FULL SCAN INITIAL CALIBRATION DATA

Lab Name: Pace Analytical - Indiana Instrument ID: 50MSS2 GC Column: Col 1 SDG No.: 5099688
 Calibration Date(s): 06/09/2014 06/09/2014 Calibration Time(s): 13:19 15:56

LAB FILE ID

CAL2 = 060914CAL.B\5PPM.D CAL3 = 060914CAL.B\10PPM.D CAL4 = 060914CAL.B\20PPM.D
 CAL5 = 060914CAL.B\50PPM.D CAL6 = 060914CAL.B\100PPM.D CAL7 = 060914CAL.B\150PPM.D
 CAL8 = 060914CAL.B\175PPM.D CAL9 = 060914CAL.B\200PPM.D

COMPOUND	CURVE TYPE	%RSD	R2	A1	A2	A3
Acenaphthene	Averaged	10.71273			1.18706	
Acenaphthylene	Averaged	8.29464			1.90894	
Anthracene	Averaged	9.66919			1.07960	
Benzo(a)anthracene	Averaged	9.13159			1.02246	
Benzo(a)pyrene	Averaged	6.09446			1.09488	
Benzo(b)fluoranthene	Averaged	5.47342			1.21014	
Benzo(g,h,i)perylene	Averaged	5.14437			1.20302	
Benzo(k)fluoranthene	Averaged	12.61504			1.26066	
Benzyl alcohol	Averaged	5.61930			0.81510	
4-Bromophenylphenyl ether	Averaged	3.79133			0.23599	
Butylbenzylphthalate	Averaged	5.76610			0.42261	
4-Chloro-3-methylphenol	Averaged	3.72034			0.27851	
4-Chloroaniline	Averaged	10.57628			0.40392	
bis(2-Chloroethoxy)methane	Averaged	5.80859			0.36029	
bis(2-Chloroethyl) ether	Averaged	4.79300			1.09595	
bis(2chloro1methylethyl) ether	Averaged	13.08469			1.36711	
2-Chloronaphthalene	Averaged	8.18949			1.11301	
2-Chlorophenol	Averaged	4.36030			1.34959	
4-Chlorophenylphenyl ether	Averaged	6.23864			0.65659	
Chrysene	Averaged	8.68751			0.96072	
Dibenz(a,h)anthracene	Averaged	7.49802			1.14732	
Dibenzofuran	Averaged	7.98336			1.67276	
3,3'-Dichlorobenzidine	Averaged	6.89059			0.34320	
2,4-Dichlorophenol	Averaged	4.31087			0.30204	
Diethylphthalate	Averaged	10.15501			1.26424	
2,4-Dimethylphenol	Averaged	5.05234			0.29438	
Dimethylphthalate	Averaged	7.50190			1.29687	
Di-n-butylphthalate	Averaged	8.31098			1.14426	
4,6-Dinitro-2-methylphenol	Linear		0.99419	-0.01149	0.13656	
2,4-Dinitrophenol	Linear		0.99569	-0.04329	0.20028	
2,4-Dinitrotoluene	Averaged	8.10339			0.38879	
2,6-Dinitrotoluene	Averaged	7.60817			0.28075	
Di-n-octylphthalate	Averaged	6.68853			1.11442	
bis(2-Ethylhexyl)phthalate	Averaged	6.23974			0.61140	
Fluoranthene	Averaged	9.69219			1.22202	

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

MSSV FULL SCAN - FORM VI SVOA-6
MSSV FULL SCAN INITIAL CALIBRATION DATA

Lab Name: Pace Analytical - Indiana Instrument ID: 50MSS2 GC Column: Col 1 SDG No.: 5099688
 Calibration Date(s): 06/09/2014 06/09/2014 Calibration Time(s): 13:19 15:56

LAB FILE ID

CAL2 = 060914CAL.B\5PPM.D CAL3 = 060914CAL.B\10PPM.D CAL4 = 060914CAL.B\20PPM.D
 CAL5 = 060914CAL.B\50PPM.D CAL6 = 060914CAL.B\100PPM.D CAL7 = 060914CAL.B\150PPM.D
 CAL8 = 060914CAL.B\175PPM.D CAL9 = 060914CAL.B\200PPM.D

COMPOUND	CURVE TYPE	%RSD	R2	A1	A2	A3
Fluorene	Averaged	11.78893			1.33229	
Hexachloro-1,3-butadiene	Averaged	3.50402			0.20092	
Hexachlorobenzene	Averaged	3.55010			0.28193	
Hexachlorocyclopentadiene	Linear		0.99437	-0.06478	0.32518	
Hexachloroethane	Averaged	3.79341			0.53606	
Indeno(1,2,3-cd)pyrene	Averaged	5.84439			1.42776	
Isophorone	Averaged	4.91710			0.58332	
2-Methylnaphthalene	Averaged	6.40749			0.70853	
2-Methylphenol(o-Cresol)	Averaged	6.80162			1.12289	
3&4-Methylphenol(m&p Cresol)	Averaged	5.77534			1.21100	
Naphthalene	Averaged	6.69741			1.03129	
2-Nitroaniline	Averaged	6.04100			0.27170	
3-Nitroaniline	Averaged	7.62334			0.30628	
4-Nitroaniline	Averaged	7.89853			0.32069	
Nitrobenzene	Averaged	4.41996			0.30659	
2-Nitrophenol	Averaged	6.59269			0.18582	
4-Nitrophenol	Averaged	7.87451			0.15191	
N-Nitroso-di-n-propylamine	Averaged	6.67181			0.80021	
N-Nitrosodiphenylamine	Averaged	9.25202			0.51056	
Pentachlorophenol	Linear		0.99597	-0.01829	0.17348	
Phenanthrene	Averaged	10.41950			1.07321	
Phenol	Averaged	5.47993			1.51336	
Pyrene	Averaged	10.91242			1.27976	
2,4,5-Trichlorophenol	Averaged	4.81491			0.42105	
2,4,6-Trichlorophenol	Averaged	4.40044			0.39633	
2-Fluorobiphenyl (S)	Averaged	6.33931			1.34913	
2-Fluorophenol (S)	Averaged	4.10385			1.13786	
Nitrobenzene-d5 (S)	Averaged	3.92940			0.30621	
Phenol-d5 (S)	Averaged	4.61239			1.43659	
p-Terphenyl-d14 (S)	Averaged	7.07519			0.82137	
2,4,6-Tribromophenol (S)	Averaged	7.59646			0.14828	

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

MSSV FULL SCAN - FORM VI SVOA-1
MSSV FULL SCAN INITIAL CALIBRATION DATA

Lab Name: Pace Analytical - Indiana Instrument ID: 50MSS3 GC Column: Col 1 SDG No.: 5099688
 Calibration Date(s): 06/10/2014 06/10/2014 Calibration Time(s): 10:37 13:21

LAB FILE ID

CAL2 = 061014CAL8270.B\5PPM.D CAL3 = 061014CAL8270.B\10PPM.D CAL4 = 061014CAL8270.B\20PPM.D
 CAL5 = 061014CAL8270.B\50PPM.D CAL6 = 061014CAL8270.B\100PPM. CAL7 = 061014CAL8270.B\150PPM.
 CAL8 = 061014CAL8270.B\175PPM. CAL9 = 061014CAL8270.B\200PPM.

COMPOUND	CURVE TYPE	CAL2	CAL3	CAL4	CAL5	CAL6	CAL7
Acenaphthene	Averaged	1.21510	1.27933	1.26710	1.13569	1.15054	1.09937
Acenaphthylene	Averaged	1.86700	1.97380	2.00671	1.81209	1.81181	1.74515
Anthracene	Averaged	1.19363	1.21455	1.19728	1.12537	1.10003	1.04876
Benzo(a)anthracene	Averaged	1.09209	1.16003	1.12585	1.07063	1.09173	1.05820
Benzo(a)pyrene	Averaged	1.12983	1.18750	1.17055	1.10171	1.13893	1.10408
Benzo(b)fluoranthene	Averaged	1.21544	1.26463	1.24936	1.24574	1.28904	1.13737
Benzo(g,h,i)perylene	Averaged	1.21661	1.29909	1.23698	1.16538	1.19432	1.17655
Benzo(k)fluoranthene	Averaged	1.45256	1.50009	1.47354	1.30048	1.21721	1.31007
Benzyl alcohol	Averaged	0.71294	0.79408	0.82544	0.78460	0.80402	0.79856
4-Bromophenylphenyl ether	Averaged	0.23866	0.24682	0.24606	0.23519	0.23444	0.22873
Butylbenzylphthalate	Averaged	0.40944	0.43914	0.43754	0.42167	0.44200	0.43724
4-Chloro-3-methylphenol	Averaged	0.24574	0.27458	0.27681	0.26486	0.27518	0.27313
4-Chloroaniline	Averaged	0.30906	0.38882	0.41634	0.39446	0.39855	0.38604
bis(2-Chloroethoxy)methane	Averaged	0.35023	0.36436	0.36232	0.34030	0.34978	0.34437
bis(2-Chloroethyl) ether	Averaged	1.16582	1.21096	1.18541	1.10407	1.15090	1.12629
bis(2chloro1methylethyl) ether	Averaged	1.51909	1.56426	1.54447	1.42071	1.46882	1.41950
2-Chloronaphthalene	Averaged	1.12265	1.20192	1.19556	1.09376	1.09468	1.05954
2-Chlorophenol	Averaged	1.37324	1.43587	1.44334	1.34496	1.39205	1.37511
4-Chlorophenylphenyl ether	Averaged	0.68832	0.71560	0.71298	0.64997	0.64936	0.64386
Chrysene	Averaged	1.06784	1.11682	1.08105	1.00470	1.02198	1.00806
Dibenz(a,h)anthracene	Averaged	1.18081	1.22174	1.20552	1.12235	1.12510	1.08508
Dibenzofuran	Averaged	1.71385	1.78634	1.79153	1.60483	1.61505	1.57927
3,3'-Dichlorobenzidine	Averaged	0.30500	0.33761	0.33152	0.32179	0.33276	0.31651
2,4-Dichlorophenol	Averaged	0.27891	0.29839	0.30977	0.29364	0.30353	0.30267
Diethylphthalate	Averaged	1.29057	1.33689	1.30473	1.18115	1.14766	1.08628
2,4-Dimethylphenol	Averaged	0.27787	0.30009	0.29799	0.28413	0.29386	0.29110
Dimethylphthalate	Averaged	1.30801	1.37764	1.34654	1.22397	1.21857	1.17281
Di-n-butylphthalate	Averaged	1.17784	1.21970	1.21822	1.14016	1.14621	1.08886
4,6-Dinitro-2-methylphenol	Averaged			0.12459	0.14282	0.15329	0.15374
2,4-Dinitrophenol	Linear	0.00000	0.08063	0.12017	0.15944	0.20187	0.21839
2,4-Dinitrotoluene	Averaged	0.30795	0.36719	0.39349	0.39226	0.41471	0.40902
2,6-Dinitrotoluene	Averaged	0.22497	0.26411	0.28804	0.28186	0.30007	0.29982
Di-n-octylphthalate	Averaged	1.06545	1.13153	1.14761	1.11815	1.15265	1.11538
bis(2-Ethylhexyl)phthalate	Averaged	0.58167	0.61422	0.61993	0.60498	0.62935	0.62144
Fluoranthene	Averaged	1.28875	1.34537	1.32944	1.23688	1.21395	1.15993

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

MSSV FULL SCAN - FORM VI SVOA-2
MSSV FULL SCAN INITIAL CALIBRATION DATA

Lab Name: Pace Analytical - Indiana Instrument ID: 50MSS3 GC Column: Col 1 SDG No.: 5099688
 Calibration Date(s): 06/10/2014 06/10/2014 Calibration Time(s): 10:37 13:21

LAB FILE ID

CAL2 = 061014CAL8270.B\5PPM.D CAL3 = 061014CAL8270.B\10PPM.D CAL4 = 061014CAL8270.B\20PPM.D
 CAL5 = 061014CAL8270.B\50PPM.D CAL6 = 061014CAL8270.B\100PPM. CAL7 = 061014CAL8270.B\150PPM.
 CAL8 = 061014CAL8270.B\175PPM. CAL9 = 061014CAL8270.B\200PPM.

COMPOUND	CURVE TYPE	CAL2	CAL3	CAL4	CAL5	CAL6	CAL7
Fluorene	Averaged	1.41312	1.48193	1.43815	1.29786	1.25059	1.18157
Hexachloro-1,3-butadiene	Averaged	0.19209	0.20001	0.20148	0.18715	0.19266	0.19145
Hexachlorobenzene	Averaged	0.26355	0.27135	0.27003	0.25428	0.25124	0.24799
Hexachlorocyclopentadiene	Linear	0.09497	0.15677	0.21139	0.26214	0.31152	0.32905
Hexachloroethane	Averaged	0.48543	0.51459	0.50784	0.47972	0.50799	0.50533
Indeno(1,2,3-cd)pyrene	Averaged	1.41686	1.48372	1.46545	1.36126	1.37397	1.34603
Isophorone	Averaged	0.55971	0.59191	0.59028	0.55120	0.56712	0.55797
2-Methylnaphthalene	Averaged	0.95682	0.99319	0.99376	0.94016	0.95391	0.93722
2-Methylphenol(o-Cresol)	Averaged	1.12836	1.17156	1.17682	1.10659	1.15040	1.12667
3&4-Methylphenol(m&p Cresol)	Averaged	1.20266	1.26318	1.27484	1.19611	1.25150	1.25369
Naphthalene	Averaged	1.04720	1.08635	1.06975	0.99799	1.01080	0.99215
2-Nitroaniline	Averaged	0.22414	0.24288	0.26108	0.25271	0.26260	0.26405
3-Nitroaniline	Averaged	0.23563	0.27592	0.29225	0.29212	0.32210	0.31836
4-Nitroaniline	Averaged		0.30925	0.32364	0.30282	0.31669	0.30783
Nitrobenzene	Averaged	0.29192	0.30715	0.30837	0.28571	0.29928	0.29376
2-Nitrophenol	Averaged		0.18221	0.19114	0.18728	0.19845	0.19759
4-Nitrophenol	Averaged		0.10966	0.12468	0.13223	0.14666	0.14599
N-Nitroso-di-n-propylamine	Averaged	0.81474	0.84448	0.84482	0.78913	0.82885	0.82449
N-Nitrosodiphenylamine	Averaged	0.56231	0.58011	0.57853	0.52665	0.52545	0.48968
Pentachlorophenol	Averaged			0.13570	0.14875	0.16481	0.16310
Phenanthrene	Averaged	1.20389	1.23188	1.20843	1.09266	1.08786	1.02763
Phenol	Averaged	1.52405	1.60639	1.61794	1.50454	1.55339	1.49423
Pyrene	Averaged	1.35937	1.41439	1.38164	1.27415	1.24382	1.19157
2,4,5-Trichlorophenol	Averaged	0.35781	0.40409	0.41979	0.40147	0.41256	0.40728
2,4,6-Trichlorophenol	Averaged	0.35790	0.39019	0.39934	0.38352	0.40488	0.39346
2-Fluorobiphenyl (S)	Averaged	1.33201	1.42130	1.40444	1.29793	1.30790	1.26166
2-Fluorophenol (S)	Averaged	1.11850	1.19123	1.18879	1.11581	1.17680	1.15938
Nitrobenzene-d5 (S)	Averaged	0.28460	0.29682	0.29930	0.28910	0.29927	0.29582
Phenol-d5 (S)	Averaged	1.41295	1.49854	1.51788	1.39798	1.46052	1.41598
p-Terphenyl-d14 (S)	Averaged	0.87930	0.92493	0.90694	0.83975	0.83404	0.79023
2,4,6-Tribromophenol (S)	Averaged	0.11420	0.12362	0.12785	0.12792	0.13111	0.13149

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

07/21/2014 8:54

MSSV FULL SCAN - FORM VI SVOA-3
MSSV FULL SCAN INITIAL CALIBRATION DATA

Lab Name: Pace Analytical - Indiana Instrument ID: 50MSS3 GC Column: Col 1 SDG No.: 5099688
 Calibration Date(s): 06/10/2014 06/10/2014 Calibration Time(s): 10:37 13:21

LAB FILE ID

CAL2 = 061014CAL8270.B\5PPM.D CAL3 = 061014CAL8270.B\10PPM.D CAL4 = 061014CAL8270.B\20PPM.D
 CAL5 = 061014CAL8270.B\50PPM.D CAL6 = 061014CAL8270.B\100PPM. CAL7 = 061014CAL8270.B\150PPM.
 CAL8 = 061014CAL8270.B\175PPM. CAL9 = 061014CAL8270.B\200PPM.

COMPOUND	CURVE TYPE	CAL8	CAL9
Acenaphthene	Averaged	1.07868	0.96650
Acenaphthylene	Averaged	1.67001	1.50975
Anthracene	Averaged	1.04537	0.91432
Benzo(a)anthracene	Averaged	1.05316	0.92828
Benzo(a)pyrene	Averaged	1.06105	0.96074
Benzo(b)fluoranthene	Averaged	1.19019	1.03239
Benzo(g,h,i)perylene	Averaged	1.14825	1.03736
Benzo(k)fluoranthene	Averaged	1.17271	1.08239
Benzyl alcohol	Averaged	0.77267	0.75140
4-Bromophenylphenyl ether	Averaged	0.22810	0.20441
Butylbenzylphthalate	Averaged	0.43445	0.38342
4-Chloro-3-methylphenol	Averaged	0.27407	0.25136
4-Chloroaniline	Averaged	0.37989	0.33137
bis(2-Chloroethoxy)methane	Averaged	0.34345	0.31680
bis(2-Chloroethyl) ether	Averaged	1.10391	1.06396
bis(2chloro1methylethyl) ether	Averaged	1.39556	1.31260
2-Chloronaphthalene	Averaged	1.02323	0.93112
2-Chlorophenol	Averaged	1.35012	1.27620
4-Chlorophenylphenyl ether	Averaged	0.62306	0.57095
Chrysene	Averaged	0.99957	0.88334
Dibenz(a,h)anthracene	Averaged	1.04727	0.94538
Dibenzofuran	Averaged	1.52985	1.39281
3,3'-Dichlorobenzidine	Averaged	0.31078	0.28142
2,4-Dichlorophenol	Averaged	0.30129	0.27707
Diethylphthalate	Averaged	1.03894	0.93423
2,4-Dimethylphenol	Averaged	0.29019	0.26484
Dimethylphthalate	Averaged	1.13600	1.00975
Di-n-butylphthalate	Averaged	1.08604	0.96434
4,6-Dinitro-2-methylphenol	Averaged	0.15595	0.14145
2,4-Dinitrophenol	Linear	0.21974	0.20033
2,4-Dinitrotoluene	Averaged	0.40280	0.36927
2,6-Dinitrotoluene	Averaged	0.29228	0.27410
Di-n-octylphthalate	Averaged	1.08104	0.98047
bis(2-Ethylhexyl)phthalate	Averaged	0.62173	0.55081
Fluoranthene	Averaged	1.15141	1.01416

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

MSSV FULL SCAN - FORM VI SVOA-4
MSSV FULL SCAN INITIAL CALIBRATION DATA

Lab Name: Pace Analytical - Indiana Instrument ID: 50MSS3 GC Column: Col 1 SDG No.: 5099688
 Calibration Date(s): 06/10/2014 06/10/2014 Calibration Time(s): 10:37 13:21

LAB FILE ID

CAL2 = 061014CAL8270.B\5PPM.D CAL3 = 061014CAL8270.B\10PPM.D CAL4 = 061014CAL8270.B\20PPM.D
 CAL5 = 061014CAL8270.B\50PPM.D CAL6 = 061014CAL8270.B\100PPM. CAL7 = 061014CAL8270.B\150PPM.
 CAL8 = 061014CAL8270.B\175PPM. CAL9 = 061014CAL8270.B\200PPM.

COMPOUND	CURVE TYPE	CAL8	CAL9
Fluorene	Averaged	1.11691	1.00333
Hexachloro-1,3-butadiene	Averaged	0.19142	0.17546
Hexachlorobenzene	Averaged	0.24410	0.22071
Hexachlorocyclopentadiene	Linear	0.32967	0.30262
Hexachloroethane	Averaged	0.49953	0.47198
Indeno(1,2,3-cd)pyrene	Averaged	1.31242	1.18207
Isophorone	Averaged	0.55832	0.51219
2-Methylnaphthalene	Averaged	0.93446	0.85106
2-Methylphenol(o-Cresol)	Averaged	1.09786	1.04888
3&4-Methylphenol(m&p Cresol)	Averaged	1.23946	1.18770
Naphthalene	Averaged	0.99296	0.90335
2-Nitroaniline	Averaged	0.26084	0.23902
3-Nitroaniline	Averaged	0.31258	0.28230
4-Nitroaniline	Averaged	0.30841	0.28003
Nitrobenzene	Averaged	0.29505	0.27048
2-Nitrophenol	Averaged	0.19957	0.18307
4-Nitrophenol	Averaged	0.14752	0.13595
N-Nitroso-di-n-propylamine	Averaged	0.81089	0.77512
N-Nitrosodiphenylamine	Averaged	0.48373	0.42722
Pentachlorophenol	Averaged	0.16537	0.15007
Phenanthrene	Averaged	1.03626	0.91408
Phenol	Averaged	1.46693	1.41068
Pyrene	Averaged	1.18570	1.04766
2,4,5-Trichlorophenol	Averaged	0.40082	0.36881
2,4,6-Trichlorophenol	Averaged	0.38893	0.35862
2-Fluorobiphenyl (S)	Averaged	1.23227	1.11958
2-Fluorophenol (S)	Averaged	1.14916	1.09021
Nitrobenzene-d5 (S)	Averaged	0.29882	0.27165
Phenol-d5 (S)	Averaged	1.39549	1.32705
p-Terphenyl-d14 (S)	Averaged	0.78692	0.70594
2,4,6-Tribromophenol (S)	Averaged	0.13205	0.11735

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

MSSV FULL SCAN - FORM VI SVOA-5
MSSV FULL SCAN INITIAL CALIBRATION DATA

Lab Name: Pace Analytical - Indiana Instrument ID: 50MSS3 GC Column: Col 1 SDG No.: 5099688
 Calibration Date(s): 06/10/2014 06/10/2014 Calibration Time(s): 10:37 13:21

LAB FILE ID

CAL2 = 061014CAL8270.B\5PPM.D CAL3 = 061014CAL8270.B\10PPM.D CAL4 = 061014CAL8270.B\20PPM.D
 CAL5 = 061014CAL8270.B\50PPM.D CAL6 = 061014CAL8270.B\100PPM. CAL7 = 061014CAL8270.B\150PPM.
 CAL8 = 061014CAL8270.B\175PPM. CAL9 = 061014CAL8270.B\200PPM.

COMPOUND	CURVE TYPE	%RSD	R2	A1	A2	A3
Acenaphthene	Averaged	9.08005			1.14904	
Acenaphthylene	Averaged	8.95690			1.79954	
Anthracene	Averaged	9.17166			1.10491	
Benzo(a)anthracene	Averaged	6.36726			1.07250	
Benzo(a)pyrene	Averaged	6.44316			1.10680	
Benzo(b)fluoranthene	Averaged	6.94827			1.20302	
Benzo(g,h,i)perylene	Averaged	6.41519			1.18432	
Benzo(k)fluoranthene	Averaged	11.59696			1.31363	
Benzyl alcohol	Averaged	4.48382			0.78046	
4-Bromophenylphenyl ether	Averaged	5.76321			0.23280	
Butylbenzylphthalate	Averaged	4.75288			0.42561	
4-Chloro-3-methylphenol	Averaged	4.49820			0.26696	
4-Chloroaniline	Averaged	9.66748			0.37557	
bis(2-Chloroethoxy)methane	Averaged	4.26518			0.34645	
bis(2-Chloroethyl) ether	Averaged	4.25458			1.13891	
bis(2chloro1methylethyl) ether	Averaged	5.83429			1.45563	
2-Chloronaphthalene	Averaged	8.15922			1.09031	
2-Chlorophenol	Averaged	3.88505			1.37386	
4-Chlorophenylphenyl ether	Averaged	7.36641			0.65676	
Chrysene	Averaged	6.89248			1.02292	
Dibenz(a,h)anthracene	Averaged	8.17300			1.11666	
Dibenzofuran	Averaged	8.28669			1.62669	
3,3'-Dichlorobenzidine	Averaged	5.78402			0.31717	
2,4-Dichlorophenol	Averaged	4.00118			0.29566	
Diethylphthalate	Averaged	12.17080			1.16506	
2,4-Dimethylphenol	Averaged	4.04490			0.28751	
Dimethylphthalate	Averaged	9.85952			1.22416	
Di-n-butylphthalate	Averaged	7.44451			1.13017	
4,6-Dinitro-2-methylphenol	Averaged	8.13317			0.14531	
2,4-Dinitrophenol	Linear		0.99321	-0.03290	0.21727	
2,4-Dinitrotoluene	Averaged	9.03124			0.38209	
2,6-Dinitrotoluene	Averaged	8.91352			0.27816	
Di-n-octylphthalate	Averaged	5.15073			1.09904	
bis(2-Ethylhexyl)phthalate	Averaged	4.38284			0.60552	
Fluoranthene	Averaged	8.96423			1.21749	

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

MSSV FULL SCAN - FORM VI SVOA-6
MSSV FULL SCAN INITIAL CALIBRATION DATA

Lab Name: Pace Analytical - Indiana Instrument ID: 50MSS3 GC Column: Col 1 SDG No.: 5099688
 Calibration Date(s): 06/10/2014 06/10/2014 Calibration Time(s): 10:37 13:21

LAB FILE ID

CAL2 = 061014CAL8270.B\5PPM.D CAL3 = 061014CAL8270.B\10PPM.D CAL4 = 061014CAL8270.B\20PPM.D
 CAL5 = 061014CAL8270.B\50PPM.D CAL6 = 061014CAL8270.B\100PPM. CAL7 = 061014CAL8270.B\150PPM.
 CAL8 = 061014CAL8270.B\175PPM. CAL9 = 061014CAL8270.B\200PPM.

COMPOUND	CURVE TYPE	%RSD	R2	A1	A2	A3
Fluorene	Averaged	13.18317			1.27293	
Hexachloro-1,3-butadiene	Averaged	4.18721			0.19146	
Hexachlorobenzene	Averaged	6.49609			0.25291	
Hexachlorocyclopentadiene	Linear		0.99530	-0.04474	0.32735	
Hexachloroethane	Averaged	3.12009			0.49655	
Indeno(1,2,3-cd)pyrene	Averaged	6.96344			1.36772	
Isophorone	Averaged	4.44105			0.56109	
2-Methylnaphthalene	Averaged	4.72167			0.94507	
2-Methylphenol(o-Cresol)	Averaged	3.73436			1.12589	
3&4-Methylphenol(m&p Cresol)	Averaged	2.70644			1.23364	
Naphthalene	Averaged	5.64343			1.01257	
2-Nitroaniline	Averaged	5.70967			0.25092	
3-Nitroaniline	Averaged	9.66494			0.29141	
4-Nitroaniline	Averaged	4.45744			0.30695	
Nitrobenzene	Averaged	4.13567			0.29397	
2-Nitrophenol	Averaged	3.85009			0.19133	
4-Nitrophenol	Averaged	10.37037			0.13467	
N-Nitroso-di-n-propylamine	Averaged	3.03435			0.81656	
N-Nitrosodiphenylamine	Averaged	10.17442			0.52171	
Pentachlorophenol	Averaged	7.67620			0.15463	
Phenanthrene	Averaged	9.95605			1.10034	
Phenol	Averaged	4.56576			1.52227	
Pyrene	Averaged	9.66640			1.26229	
2,4,5-Trichlorophenol	Averaged	5.45919			0.39658	
2,4,6-Trichlorophenol	Averaged	4.55258			0.38460	
2-Fluorobiphenyl (S)	Averaged	7.44349			1.29714	
2-Fluorophenol (S)	Averaged	3.24650			1.14873	
Nitrobenzene-d5 (S)	Averaged	3.34640			0.29192	
Phenol-d5 (S)	Averaged	4.31842			1.42830	
p-Terphenyl-d14 (S)	Averaged	8.62818			0.83351	
2,4,6-Tribromophenol (S)	Averaged	5.36823			0.12570	

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

MSSV FULL SCAN - FORM VII SVOA-1
MSSV FULL SCAN INITIAL CALIBRATION DATA

SAMPLE NO.

6849015ICV

Lab Name: Pace Analytical - Indiana

Calibration Date: 06/09/2014 Time: 16:19

Instrument ID: 50MSS2 GC Column: Col 1

Init. Calib. Date(s): 06/06/2014 06/09/2014

Lab File ID: 060914CAL.B\100PPM-ICV.D

Init. Calib. Time(s): 08:58 15:56

SDG No.: 5099688

COMPOUND	CURVE	RRF or Amount	RRF or Amount	MIN RRF	%D	MAX %D
Acenaphthene	Averaged	1.18706	1.19673	0.0000	-0.3049	20.0000
Acenaphthylene	Averaged	1.90894	1.84774	0.0000	0.2599	20.0000
Anthracene	Averaged	1.07960	1.09692	0.0000	-0.6399	20.0000
Benzo(a)anthracene	Averaged	1.02246	1.03537	0.0000	0.7888	20.0000
Benzo(a)pyrene	Averaged	1.09488	1.12455	0.0000	1.7904	20.0000
Benzo(b)fluoranthene	Averaged	1.21014	1.30335	0.0000	4.1706	20.0000
Benzo(g,h,i)perylene	Averaged	1.20302	1.21979	0.0000	1.0938	20.0000
Benzo(k)fluoranthene	Averaged	1.26066	1.19321	0.0000	-1.8999	20.0000
Benzyl alcohol	Averaged	0.81510	0.88468	0.0000	5.5150	20.0000
4-Bromophenylphenyl ether	Averaged	0.23599	0.24843	0.0000	1.4270	20.0000
Butylbenzylphthalate	Averaged	0.42261	0.44405	0.0000	2.1685	20.0000
4-Chloro-3-methylphenol	Averaged	0.27851	0.28772	0.0000	3.4362	20.0000
4-Chloroaniline	Averaged	0.40392	0.44745	0.0000	5.8491	20.0000
bis(2-Chloroethoxy)methane	Averaged	0.36029	0.38726	0.0000	1.8148	20.0000
bis(2-Chloroethyl) ether	Averaged	1.09595	1.13973	0.0000	-0.0518	20.0000
bis(2chloro1methylethyl) ether	Averaged	1.36711	1.55289	0.0000	-2.1884	20.0000
2-Chloronaphthalene	Averaged	1.11301	1.16765	0.0000	-0.4064	20.0000
2-Chlorophenol	Averaged	1.34959	1.38327	0.0000	1.6237	20.0000
4-Chlorophenylphenyl ether	Averaged	0.65659	0.68123	0.0000	0.9143	20.0000
Chrysene	Averaged	0.96072	1.00999	0.0000	-0.5696	20.0000
Dibenz(a,h)anthracene	Averaged	1.14732	1.18945	0.0000	3.4783	20.0000
Dibenzofuran	Averaged	1.67276	1.69117	0.0000	0.3756	20.0000
3,3'-Dichlorobenzidine	Averaged	0.34320	0.41490	0.0000	-2.1863	20.0000
2,4-Dichlorophenol	Averaged	0.30204	0.31435	0.0000	3.2954	20.0000
Diethylphthalate	Averaged	1.26424	1.26829	0.0000	-0.0832	20.0000
2,4-Dimethylphenol	Averaged	0.29438	0.31218	0.0000	1.9562	20.0000
Dimethylphthalate	Averaged	1.29687	1.29192	0.0000	-0.4427	20.0000
Di-n-butylphthalate	Averaged	1.14426	1.13589	0.0000	0.5314	20.0000
4,6-Dinitro-2-methylphenol	Linear	100	107.9201	0.0000	7.9201	20.0000
2,4-Dinitrophenol	Linear	100	105.7596	0.0500	5.7597	20.0000
2,4-Dinitrotoluene	Averaged	0.38879	0.43137	0.0000	6.0865	20.0000
2,6-Dinitrotoluene	Averaged	0.28075	0.31605	0.0000	6.8387	20.0000
Di-n-octylphthalate	Averaged	1.11442	1.17722	0.0000	3.1710	20.0000
bis(2-Ethylhexyl)phthalate	Averaged	0.61140	0.64511	0.0000	1.9081	20.0000
Fluoranthene	Averaged	1.22202	1.20503	0.0000	-0.4855	20.0000
Fluorene	Averaged	1.33229	1.36121	0.0000	0.9329	20.0000

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

07/21/2014 12:19

MSSV FULL SCAN - FORM VII SVOA-2
MSSV FULL SCAN INITIAL CALIBRATION DATA

SAMPLE NO.

6849015ICV

Lab Name: Pace Analytical - Indiana

Calibration Date: 06/09/2014 Time: 16:19

Instrument ID: 50MSS2 GC Column: Col 1

Init. Calib. Date(s): 06/06/2014 06/09/2014

Lab File ID: 060914CAL.B\100PPM-ICV.D

Init. Calib. Time(s): 08:58 15:56

SDG No.: 5099688

COMPOUND	CURVE	RRF or Amount	RRF or Amount	MIN RRF	%D	MAX %D
Hexachloro-1,3-butadiene	Averaged	0.20092	0.22745	0.0000	1.3607	20.0000
Hexachlorobenzene	Averaged	0.28193	0.29507	0.0000	0.5758	20.0000
Hexachlorocyclopentadiene	Linear	100	97.05848	0.0500	-2.9415	20.0000
Hexachloroethane	Averaged	0.53606	0.55636	0.0000	0.8574	20.0000
Indeno(1,2,3-cd)pyrene	Averaged	1.42776	1.41757	0.0000	2.8548	20.0000
Isophorone	Averaged	0.58332	0.59433	0.0000	1.2345	20.0000
2-Methylnaphthalene	Averaged	0.70853	0.69651	0.0000	0.4574	20.0000
2-Methylphenol(o-Cresol)	Averaged	1.12289	1.19963	0.0000	-0.0830	20.0000
3&4-Methylphenol(m&p Cresol)	Averaged	1.21100	1.24683	0.0000	0.8836	20.0000
Naphthalene	Averaged	1.03129	1.03942	0.0000	0.9002	20.0000
2-Nitroaniline	Averaged	0.27170	0.29183	0.0000	6.0632	20.0000
3-Nitroaniline	Averaged	0.30628	0.34047	0.0000	7.4653	20.0000
4-Nitroaniline	Averaged	0.32069	0.35367	0.0000	8.1189	20.0000
Nitrobenzene	Averaged	0.30659	0.32089	0.0000	2.3393	20.0000
2-Nitrophenol	Averaged	0.18582	0.19658	0.0000	6.5716	20.0000
4-Nitrophenol	Averaged	0.15191	0.16050	0.0500	7.1641	20.0000
N-Nitroso-di-n-propylamine	Averaged	0.80021	0.81919	0.0000	-0.2154	20.0000
N-Nitrosodiphenylamine	Averaged	0.51056	0.60754	0.0000	-0.7582	20.0000
Pentachlorophenol	Linear	100	118.0440	0.0000	18.0440	20.0000
Phenanthrene	Averaged	1.07321	1.06117	0.0000	-2.1562	20.0000
Phenol	Averaged	1.51336	1.60868	0.0000	0.6676	20.0000
Pyrene	Averaged	1.27976	1.25932	0.0000	-1.6792	20.0000
2,4,5-Trichlorophenol	Averaged	0.42105	0.42872	0.0000	3.3086	20.0000
2,4,6-Trichlorophenol	Averaged	0.39633	0.41404	0.0000	3.4879	20.0000
2-Fluorobiphenyl (S)	Averaged	1.34913	1.41673	0.0000	0.5481	20.0000
2-Fluorophenol (S)	Averaged	1.13786	1.25843	0.0000	0.8022	20.0000
Nitrobenzene-d5 (S)	Averaged	0.30621	0.33048	0.0000	3.0091	20.0000
Phenol-d5 (S)	Averaged	1.43659	1.38999	0.0000	1.4896	20.0000
p-Terphenyl-d14 (S)	Averaged	0.82137	0.89803	0.0000	0.6497	20.0000
2,4,6-Tribromophenol (S)	Averaged	0.14828	0.15879	0.0000	4.9218	20.0000

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

07/21/2014 12:19

MSSV FULL SCAN - FORM VII SVOA-1
MSSV FULL SCAN CONTINUING CALIBRATION DATA

SAMPLE NO.

6978163CCV

Lab Name: Pace Analytical - Indiana

Calibration Date: 06/24/2014 Time: 14:59

Instrument ID: 50MSS2 GC Column: Col 1

Init. Calib. Date(s): 06/09/2014 06/09/2014

Lab File ID: 062414.B\100PPM-A.D

Init. Calib. Time(s): 13:19 15:56

SDG No.: 5099688

COMPOUND	CURVE	RRF or Amount	RRF or Amount	MIN RRF	%D	MAX %D
Acenaphthene	Averaged	1.18706	1.19130	0.0000	0.3576	20.0000
Acenaphthylene	Averaged	1.90894	1.94882	0.0000	2.0896	20.0000
Anthracene	Averaged	1.07960	1.10130	0.0000	2.0100	20.0000
Benzo(a)anthracene	Averaged	1.02246	1.05993	0.0000	3.6643	20.0000
Benzo(a)pyrene	Averaged	1.09488	1.15017	0.0000	5.0495	20.0000
Benzo(b)fluoranthene	Averaged	1.21014	1.27304	0.0000	5.1977	20.0000
Benzo(g,h,i)perylene	Averaged	1.20302	1.26281	0.0000	4.9698	20.0000
Benzo(k)fluoranthene	Averaged	1.26066	1.33082	0.0000	5.5655	20.0000
Benzyl alcohol	Averaged	0.81510	0.85394	0.0000	4.7660	20.0000
4-Bromophenylphenyl ether	Averaged	0.23599	0.24938	0.0000	5.6745	20.0000
Butylbenzylphthalate	Averaged	0.42261	0.44688	0.0000	5.7421	20.0000
4-Chloro-3-methylphenol	Averaged	0.27851	0.28127	0.0000	0.9904	20.0000
4-Chloroaniline	Averaged	0.40392	0.42192	0.0000	4.4542	20.0000
bis(2-Chloroethoxy)methane	Averaged	0.36029	0.36762	0.0000	2.0338	20.0000
bis(2-Chloroethyl) ether	Averaged	1.09595	1.11897	0.0000	2.1011	20.0000
bis(2chloro1methylethyl) ether	Averaged	1.36711	1.32123	0.0000	-3.3564	20.0000
2-Chloronaphthalene	Averaged	1.11301	1.13222	0.0000	1.7257	20.0000
2-Chlorophenol	Averaged	1.34959	1.39333	0.0000	3.2415	20.0000
4-Chlorophenylphenyl ether	Averaged	0.65659	0.66553	0.0000	1.3626	20.0000
Chrysene	Averaged	0.96072	0.99468	0.0000	3.5338	20.0000
Dibenz(a,h)anthracene	Averaged	1.14732	1.22582	0.0000	6.8412	20.0000
Dibenzofuran	Averaged	1.67276	1.68444	0.0000	0.6981	20.0000
3,3'-Dichlorobenzidine	Averaged	0.34320	0.35350	0.0000	2.9998	20.0000
2,4-Dichlorophenol	Averaged	0.30204	0.31568	0.0000	4.5144	20.0000
Diethylphthalate	Averaged	1.26424	1.26811	0.0000	0.3060	20.0000
2,4-Dimethylphenol	Averaged	0.29438	0.29940	0.0000	1.7065	20.0000
Dimethylphthalate	Averaged	1.29687	1.30330	0.0000	0.4958	20.0000
Di-n-butylphthalate	Averaged	1.14426	1.17820	0.0000	2.9655	20.0000
4,6-Dinitro-2-methylphenol	Linear	100	104.0997	0.0000	4.0997	20.0000
2,4-Dinitrophenol	Linear	100	95.04061	0.0500	-4.9594	20.0000
2,4-Dinitrotoluene	Averaged	0.38879	0.41390	0.0000	6.4587	20.0000
2,6-Dinitrotoluene	Averaged	0.28075	0.29850	0.0000	6.3238	20.0000
Di-n-octylphthalate	Averaged	1.11442	1.20773	0.0000	8.3727	20.0000
bis(2-Ethylhexyl)phthalate	Averaged	0.61140	0.65223	0.0000	6.6766	20.0000
Fluoranthene	Averaged	1.22202	1.25101	0.0000	2.3725	20.0000
Fluorene	Averaged	1.33229	1.33854	0.0000	0.4694	20.0000

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

07/21/2014 12:19

MSSV FULL SCAN - FORM VII SVOA-2
MSSV FULL SCAN CONTINUING CALIBRATION DATA

SAMPLE NO.

6978163CCV

Lab Name: Pace Analytical - Indiana

Calibration Date: 06/24/2014 Time: 14:59

Instrument ID: 50MSS2 GC Column: Col 1

Init. Calib. Date(s): 06/09/2014 06/09/2014

Lab File ID: 062414.B\100PPM-A.D

Init. Calib. Time(s): 13:19 15:56

SDG No.: 5099688

COMPOUND	CURVE	RRF or Amount	RRF or Amount	MIN RRF	%D	MAX %D
Hexachloro-1,3-butadiene	Averaged	0.20092	0.20941	0.0000	4.2260	20.0000
Hexachlorobenzene	Averaged	0.28193	0.29352	0.0000	4.1124	20.0000
Hexachlorocyclopentadiene	Linear	100	89.26939	0.0500	-10.7306	20.0000
Hexachloroethane	Averaged	0.53606	0.54950	0.0000	2.5082	20.0000
Indeno(1,2,3-cd)pyrene	Averaged	1.42776	1.51158	0.0000	5.8705	20.0000
Isophorone	Averaged	0.58332	0.57976	0.0000	-0.6107	20.0000
2-Methylnaphthalene	Averaged	0.70853	0.71477	0.0000	0.8806	20.0000
2-Methylphenol(o-Cresol)	Averaged	1.12289	1.12001	0.0000	-0.2562	20.0000
3&4-Methylphenol(m&p Cresol)	Averaged	1.21100	1.21675	0.0000	0.4748	20.0000
Naphthalene	Averaged	1.03129	1.04539	0.0000	1.3675	20.0000
2-Nitroaniline	Averaged	0.27170	0.28037	0.0000	3.1894	20.0000
3-Nitroaniline	Averaged	0.30628	0.32864	0.0000	7.2989	20.0000
4-Nitroaniline	Averaged	0.32069	0.33989	0.0000	5.9859	20.0000
Nitrobenzene	Averaged	0.30659	0.31115	0.0000	1.4865	20.0000
2-Nitrophenol	Averaged	0.18582	0.19873	0.0000	6.9502	20.0000
4-Nitrophenol	Averaged	0.15191	0.15477	0.0500	1.8819	20.0000
N-Nitroso-di-n-propylamine	Averaged	0.80021	0.77423	0.0000	-3.2467	20.0000
N-Nitrosodiphenylamine	Averaged	0.51056	0.52262	0.0000	2.3610	20.0000
Pentachlorophenol	Linear	100	93.26064	0.0000	-6.7394	20.0000
Phenanthrene	Averaged	1.07321	1.09359	0.0000	1.8990	20.0000
Phenol	Averaged	1.51336	1.53763	0.0000	1.6035	20.0000
Pyrene	Averaged	1.27976	1.28823	0.0000	0.6620	20.0000
2,4,5-Trichlorophenol	Averaged	0.42105	0.43218	0.0000	2.6435	20.0000
2,4,6-Trichlorophenol	Averaged	0.39633	0.41830	0.0000	5.5424	20.0000
2-Fluorobiphenyl (S)	Averaged	1.34913	1.38786	0.0000	2.8709	20.0000
2-Fluorophenol (S)	Averaged	1.13786	1.18395	0.0000	4.0510	20.0000
Nitrobenzene-d5 (S)	Averaged	0.30621	0.31108	0.0000	1.5903	20.0000
Phenol-d5 (S)	Averaged	1.43659	1.46255	0.0000	1.8071	20.0000
p-Terphenyl-d14 (S)	Averaged	0.82137	0.85113	0.0000	3.6228	20.0000
2,4,6-Tribromophenol (S)	Averaged	0.14828	0.15843	0.0000	6.8446	20.0000

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

07/21/2014 12:19

MSSV FULL SCAN - FORM VII SVOA-1
MSSV FULL SCAN INITIAL CALIBRATION DATA

SAMPLE NO.

6854851ICV

Lab Name: Pace Analytical - Indiana

Calibration Date: 06/10/2014 Time: 13:45

Instrument ID: 50MSS3 GC Column: Col 1

Init. Calib. Date(s): 06/10/2014 06/10/2014

Lab File ID: 061014CAL8270.B\100PPMICV.D

Init. Calib. Time(s): 10:37 13:21

SDG No.: 5099688

COMPOUND	CURVE	RRF or Amount	RRF or Amount	MIN RRF	%D	MAX %D
Acenaphthene	Averaged	1.14904	1.15554	0.0000	0.1304	20.0000
Acenaphthylene	Averaged	1.79954	1.72273	0.0000	0.6819	20.0000
Anthracene	Averaged	1.10491	1.12906	0.0000	-0.4421	20.0000
Benzo(a)anthracene	Averaged	1.07250	1.09687	0.0000	1.7936	20.0000
Benzo(a)pyrene	Averaged	1.10680	1.13589	0.0000	2.9028	20.0000
Benzo(b)fluoranthene	Averaged	1.20302	1.28746	0.0000	7.1504	20.0000
Benzo(g,h,i)perylene	Averaged	1.18432	1.20707	0.0000	0.8445	20.0000
Benzo(k)fluoranthene	Averaged	1.31363	1.24802	0.0000	-7.3403	20.0000
Benzyl alcohol	Averaged	0.78046	0.82561	0.0000	3.0177	20.0000
4-Bromophenylphenyl ether	Averaged	0.23280	0.24121	0.0000	0.7045	20.0000
Butylbenzylphthalate	Averaged	0.42561	0.44733	0.0000	3.8511	20.0000
4-Chloro-3-methylphenol	Averaged	0.26696	0.27145	0.0000	3.0762	20.0000
4-Chloroaniline	Averaged	0.37557	0.40853	0.0000	6.1187	20.0000
bis(2-Chloroethoxy)methane	Averaged	0.34645	0.36959	0.0000	0.9595	20.0000
bis(2-Chloroethyl) ether	Averaged	1.13891	1.19805	0.0000	1.0528	20.0000
bis(2chloro1methylethyl) ether	Averaged	1.45563	1.66052	0.0000	0.9062	20.0000
2-Chloronaphthalene	Averaged	1.09031	1.14575	0.0000	0.4012	20.0000
2-Chlorophenol	Averaged	1.37386	1.39624	0.0000	1.3239	20.0000
4-Chlorophenylphenyl ether	Averaged	0.65676	0.66833	0.0000	-1.1274	20.0000
Chrysene	Averaged	1.02292	1.06762	0.0000	-0.0922	20.0000
Dibenz(a,h)anthracene	Averaged	1.11666	1.13128	0.0000	0.7558	20.0000
Dibenzofuran	Averaged	1.62669	1.60156	0.0000	-0.7154	20.0000
3,3'-Dichlorobenzidine	Averaged	0.31717	0.39416	0.0000	4.9132	20.0000
2,4-Dichlorophenol	Averaged	0.29566	0.30776	0.0000	2.6609	20.0000
Diethylphthalate	Averaged	1.16506	1.13104	0.0000	-1.4929	20.0000
2,4-Dimethylphenol	Averaged	0.28751	0.30731	0.0000	2.2096	20.0000
Dimethylphthalate	Averaged	1.22416	1.18885	0.0000	-0.4566	20.0000
Di-n-butylphthalate	Averaged	1.13017	1.13903	0.0000	1.4191	20.0000
4,6-Dinitro-2-methylphenol	Averaged	0.14531	0.16442	0.0000	5.4920	20.0000
2,4-Dinitrophenol	Linear	100	106.5373	0.0500	6.5374	20.0000
2,4-Dinitrotoluene	Averaged	0.38209	0.42057	0.0000	8.5391	20.0000
2,6-Dinitrotoluene	Averaged	0.27816	0.31699	0.0000	7.8790	20.0000
Di-n-octylphthalate	Averaged	1.09904	1.17839	0.0000	4.8783	20.0000
bis(2-Ethylhexyl)phthalate	Averaged	0.60552	0.64589	0.0000	3.9366	20.0000
Fluoranthene	Averaged	1.21749	1.19857	0.0000	-0.2909	20.0000
Fluorene	Averaged	1.27293	1.26687	0.0000	-1.7550	20.0000

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

07/21/2014 12:19

MSSV FULL SCAN - FORM VII SVOA-2
MSSV FULL SCAN INITIAL CALIBRATION DATA

SAMPLE NO.

6854851CV

Lab Name: Pace Analytical - Indiana

Calibration Date: 06/10/2014 Time: 13:45

Instrument ID: 50MSS3 GC Column: Col 1

Init. Calib. Date(s): 06/10/2014 06/10/2014

Lab File ID: 061014CAL8270.B\100PPMICV.D

Init. Calib. Time(s): 10:37 13:21

SDG No.: 5099688

COMPOUND	CURVE	RRF or Amount	RRF or Amount	MIN RRF	%D	MAX %D
Hexachloro-1,3-butadiene	Averaged	0.19146	0.21496	0.0000	0.6266	20.0000
Hexachlorobenzene	Averaged	0.25291	0.26060	0.0000	-0.6594	20.0000
Hexachlorocyclopentadiene	Linear	100	98.92137	0.0500	-1.0786	20.0000
Hexachloroethane	Averaged	0.49655	0.51864	0.0000	2.3028	20.0000
Indeno(1,2,3-cd)pyrene	Averaged	1.36772	1.33322	0.0000	0.4569	20.0000
Isophorone	Averaged	0.56109	0.57018	0.0000	1.0760	20.0000
2-Methylnaphthalene	Averaged	0.94507	0.92275	0.0000	0.9354	20.0000
2-Methylphenol(o-Cresol)	Averaged	1.12589	1.20829	0.0000	2.1763	20.0000
3&4-Methylphenol(m&p Cresol)	Averaged	1.23364	1.28174	0.0000	1.4476	20.0000
Naphthalene	Averaged	1.01257	1.01865	0.0000	-0.1749	20.0000
2-Nitroaniline	Averaged	0.25092	0.26872	0.0000	4.6565	20.0000
3-Nitroaniline	Averaged	0.29141	0.32858	0.0000	10.5335	20.0000
4-Nitroaniline	Averaged	0.30695	0.32386	0.0000	3.1724	20.0000
Nitrobenzene	Averaged	0.29397	0.30013	0.0000	1.8091	20.0000
2-Nitrophenol	Averaged	0.19133	0.19639	0.0000	3.7196	20.0000
4-Nitrophenol	Averaged	0.13467	0.15295	0.0500	8.9050	20.0000
N-Nitroso-di-n-propylamine	Averaged	0.81656	0.84236	0.0500	1.5044	20.0000
N-Nitrosodiphenylamine	Averaged	0.52171	0.61720	0.0000	0.7171	20.0000
Pentachlorophenol	Averaged	0.15463	0.20130	0.0000	6.5803	20.0000
Phenanthrene	Averaged	1.10034	1.08890	0.0000	-1.1338	20.0000
Phenol	Averaged	1.52227	1.54073	0.0000	2.0443	20.0000
Pyrene	Averaged	1.26229	1.24325	0.0000	-1.4632	20.0000
2,4,5-Trichlorophenol	Averaged	0.39658	0.40223	0.0000	4.0307	20.0000
2,4,6-Trichlorophenol	Averaged	0.38460	0.40391	0.0000	5.2723	20.0000
2-Fluorobiphenyl (S)	Averaged	1.29714	1.34376	0.0000	0.8300	20.0000
2-Fluorophenol (S)	Averaged	1.14873	1.29466	0.0000	2.4428	20.0000
Nitrobenzene-d5 (S)	Averaged	0.29192	0.31049	0.0000	2.5186	20.0000
Phenol-d5 (S)	Averaged	1.42830	1.45381	0.0000	2.2561	20.0000
p-Terphenyl-d14 (S)	Averaged	0.83351	0.89905	0.0000	0.0644	20.0000
2,4,6-Tribromophenol (S)	Averaged	0.12570	0.13474	0.0000	4.3038	20.0000

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

07/21/2014 12:19

MSSV FULL SCAN - FORM VII SVOA-1
MSSV FULL SCAN CONTINUING CALIBRATION DATA

SAMPLE NO.

6984997CCV

Lab Name: Pace Analytical - Indiana

Calibration Date: 06/27/2014 Time: 13:28

Instrument ID: 50MSS3 GC Column: Col 1

Init. Calib. Date(s): 06/10/2014 06/10/2014

Lab File ID: 062714.B\100PPM-A.D

Init. Calib. Time(s): 10:37 13:21

SDG No.: 5099688

COMPOUND	CURVE	RRF or Amount	RRF or Amount	MIN RRF	%D	MAX %D
Acenaphthene	Averaged	1.14904	1.17137	0.0000	1.9438	20.0000
Acenaphthylene	Averaged	1.79954	1.88011	0.0000	4.4776	20.0000
Anthracene	Averaged	1.10491	1.13569	0.0000	2.7855	20.0000
Benzo(a)anthracene	Averaged	1.07250	1.11506	0.0000	3.9690	20.0000
Benzo(a)pyrene	Averaged	1.10680	1.12887	0.0000	1.9937	20.0000
Benzo(b)fluoranthene	Averaged	1.20302	1.20288	0.0000	-0.0117	20.0000
Benzo(g,h,i)perylene	Averaged	1.18432	1.23054	0.0000	3.9027	20.0000
Benzo(k)fluoranthene	Averaged	1.31363	1.36299	0.0000	3.7578	20.0000
Benzyl alcohol	Averaged	0.78046	0.89533	0.0000	14.7178	20.0000
4-Bromophenylphenyl ether	Averaged	0.23280	0.23473	0.0000	0.8300	20.0000
Butylbenzylphthalate	Averaged	0.42561	0.45082	0.0000	5.9229	20.0000
4-Chloro-3-methylphenol	Averaged	0.26696	0.30184	0.0000	13.0641	20.0000
4-Chloroaniline	Averaged	0.37557	0.41257	0.0000	9.8517	20.0000
bis(2-Chloroethoxy)methane	Averaged	0.34645	0.36146	0.0000	4.3327	20.0000
bis(2-Chloroethyl) ether	Averaged	1.13891	1.20177	0.0000	5.5187	20.0000
bis(2chloro1methylethyl) ether	Averaged	1.45563	1.51819	0.0000	4.2985	20.0000
2-Chloronaphthalene	Averaged	1.09031	1.09487	0.0000	0.4182	20.0000
2-Chlorophenol	Averaged	1.37386	1.44697	0.0000	5.3216	20.0000
4-Chlorophenylphenyl ether	Averaged	0.65676	0.67761	0.0000	3.1742	20.0000
Chrysene	Averaged	1.02292	1.05152	0.0000	2.7962	20.0000
Dibenz(a,h)anthracene	Averaged	1.11666	1.14680	0.0000	2.6995	20.0000
Dibenzofuran	Averaged	1.62669	1.67304	0.0000	2.8490	20.0000
3,3'-Dichlorobenzidine	Averaged	0.31717	0.33619	0.0000	5.9965	20.0000
2,4-Dichlorophenol	Averaged	0.29566	0.31710	0.0000	7.2513	20.0000
Diethylphthalate	Averaged	1.16506	1.21142	0.0000	3.9795	20.0000
2,4-Dimethylphenol	Averaged	0.28751	0.26574	0.0000	-7.5722	20.0000
Dimethylphthalate	Averaged	1.22416	1.28798	0.0000	5.2136	20.0000
Di-n-butylphthalate	Averaged	1.13017	1.19360	0.0000	5.6125	20.0000
4,6-Dinitro-2-methylphenol	Averaged	0.14531	0.13947	0.0000	-4.0167	20.0000
2,4-Dinitrophenol	Linear	100	82.53389	0.0500	-17.4661	20.0000
2,4-Dinitrotoluene	Averaged	0.38209	0.42850	0.0000	12.1481	20.0000
2,6-Dinitrotoluene	Averaged	0.27816	0.30903	0.0000	11.1000	20.0000
Di-n-octylphthalate	Averaged	1.09904	1.15605	0.0000	5.1881	20.0000
bis(2-Ethylhexyl)phthalate	Averaged	0.60552	0.63708	0.0000	5.2123	20.0000
Fluoranthene	Averaged	1.21749	1.29492	0.0000	6.3598	20.0000
Fluorene	Averaged	1.27293	1.30694	0.0000	2.6713	20.0000

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

07/21/2014 12:19

MSSV FULL SCAN - FORM VII SVOA-2
MSSV FULL SCAN CONTINUING CALIBRATION DATA

SAMPLE NO.

6984997CCV

Lab Name: Pace Analytical - Indiana

Calibration Date: 06/27/2014 Time: 13:28

Instrument ID: 50MSS3 GC Column: Col 1

Init. Calib. Date(s): 06/10/2014 06/10/2014

Lab File ID: 062714.B\100PPM-A.D

Init. Calib. Time(s): 10:37 13:21

SDG No.: 5099688

COMPOUND	CURVE	RRF or Amount	RRF or Amount	MIN RRF	%D	MAX %D
Hexachloro-1,3-butadiene	Averaged	0.19146	0.19052	0.0000	-0.4914	20.0000
Hexachlorobenzene	Averaged	0.25291	0.25773	0.0000	1.9067	20.0000
Hexachlorocyclopentadiene	Linear	100	58.85573	0.0500	-41.1443	20.0000
Hexachloroethane	Averaged	0.49655	0.50224	0.0000	1.1457	20.0000
Indeno(1,2,3-cd)pyrene	Averaged	1.36772	1.40481	0.0000	2.7120	20.0000
Isophorone	Averaged	0.56109	0.60698	0.0000	8.1788	20.0000
2-Methylnaphthalene	Averaged	0.94507	1.01173	0.0000	7.0537	20.0000
2-Methylphenol(o-Cresol)	Averaged	1.12589	1.20470	0.0000	6.9992	20.0000
3&4-Methylphenol(m&p Cresol)	Averaged	1.23364	1.35744	0.0000	10.0350	20.0000
Naphthalene	Averaged	1.01257	1.04893	0.0000	3.5907	20.0000
2-Nitroaniline	Averaged	0.25092	0.27627	0.0000	10.1037	20.0000
3-Nitroaniline	Averaged	0.29141	0.33587	0.0000	15.2581	20.0000
4-Nitroaniline	Averaged	0.30695	0.34655	0.0000	12.9010	20.0000
Nitrobenzene	Averaged	0.29397	0.30387	0.0000	3.3690	20.0000
2-Nitrophenol	Averaged	0.19133	0.20095	0.0000	5.0281	20.0000
4-Nitrophenol	Averaged	0.13467	0.15122	0.0500	12.2879	20.0000
N-Nitroso-di-n-propylamine	Averaged	0.81656	0.92242	0.0500	12.9635	20.0000
N-Nitrosodiphenylamine	Averaged	0.52171	0.53090	0.0000	1.7620	20.0000
Pentachlorophenol	Averaged	0.15463	0.15889	0.0000	2.7504	20.0000
Phenanthrene	Averaged	1.10034	1.11807	0.0000	1.6115	20.0000
Phenol	Averaged	1.52227	1.65610	0.0000	8.7919	20.0000
Pyrene	Averaged	1.26229	1.33206	0.0000	5.5273	20.0000
2,4,5-Trichlorophenol	Averaged	0.39658	0.40318	0.0000	1.6641	20.0000
2,4,6-Trichlorophenol	Averaged	0.38460	0.39571	0.0000	2.8883	20.0000
2-Fluorobiphenyl (S)	Averaged	1.29714	1.28739	0.0000	-0.7513	20.0000
2-Fluorophenol (S)	Averaged	1.14873	1.16570	0.0000	1.4767	20.0000
Nitrobenzene-d5 (S)	Averaged	0.29192	0.30276	0.0000	3.7108	20.0000
Phenol-d5 (S)	Averaged	1.42830	1.51697	0.0000	6.2083	20.0000
p-Terphenyl-d14 (S)	Averaged	0.83351	0.88258	0.0000	5.8877	20.0000
2,4,6-Tribromophenol (S)	Averaged	0.12570	0.13341	0.0000	6.1324	20.0000

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

07/21/2014 12:19

MSSV FULL SCAN - FORM VIII SVOA-1
MSSV FULL SCAN INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Pace Analytical - Indiana SDG No.: 5099688 Contract: Sibley-Accucast/2339-356-03-00
 Sample ID : 6978163CCV Init. Calib. Date: 06/06/2014 Time: 06/09/2014
 Instrument ID: 50MSS2 GC Column: Col 1 Date Analyzed: 06/24/2014
 Lab File ID: 062414.B\100PPM-A.D Time Analyzed: 14:59

		AREA ANT	RT	AREA CRY	RT	AREA DCB	RT	AREA NPT	RT
12 HOUR STD		376256	9.966	843765	14.501	170207	4.701	662155	6.625
UPPER LIMIT		752512	10.466	1687530	15.001	340414	5.201	1324310	7.125
LOWER LIMIT		188128	9.466	421882.5	14.001	85103.5	4.201	331077.5	6.125
LAB SAMPLE ID	SAMPLE NO.								
1116331	1116331BLANK	340080	9.966	744881	14.495	160384	4.707	605137	6.625
1116332	1116332LCS	358580	9.972	791408	14.501	164924	4.707	641568	6.625
5099688013	SOIL EQ BLANK	349708	9.966	750126	14.495	163109	4.707	618714	6.625

ANT = Acenaphthene-d10 (IS)
 CRY = Chrysene-d12 (IS)
 DCB = 1,4-Dichlorobenzene-d4 (IS)
 NPT = Naphthalene-d8 (IS)

AREA UPPER LIMIT = 200% of Internal Standard Area
 AREA LOWER LIMIT = 50% of Internal Standard Area
 RT UPPER LIMIT = +0.50 minutes of Internal Standard RT
 RT LOWER LIMIT = -0.50 minutes of Internal Standard RT

* Values outside of QC Limits

MSSV FULL SCAN - FORM VIII SVOA-1
MSSV FULL SCAN INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Pace Analytical - Indiana SDG No.: 5099688 Contract: Sibley-Accucast/2339-356-03-00
Sample ID : 6978163CCV Init. Calib. Date: 06/06/2014 Time: 06/09/2014
Instrument ID: 50MSS2 GC Column: Col 1 Date Analyzed: 06/24/2014
Lab File ID: 062414.B\100PPM-A.D Time Analyzed: 14:59

		AREA PHN	RT	AREA PYL	RT
12 HOUR STD		694179	11.683	768410	16.112
UPPER LIMIT		1388358	12.183	1536820	16.612
LOWER LIMIT		347089.5	11.183	384205	15.612
LAB SAMPLE ID	SAMPLE NO.				
1116331	1116331BLANK	618659	11.683	688845	16.112
1116332	1116332LCS	652710	11.683	739579	16.112
5099688013	SOIL EQ BLANK	628695	11.683	699578	16.107

PHN = Phenanthrene-d10 (IS)

PYL = Perylene-d12 (IS)

AREA UPPER LIMIT = 200% of Internal Standard Area

AREA LOWER LIMIT = 50% of Internal Standard Area

RT UPPER LIMIT = +0.50 minutes of Internal Standard RT

RT LOWER LIMIT = -0.50 minutes of Internal Standard RT

* Values outside of QC Limits

MSSV FULL SCAN - FORM VIII SVOA-1
MSSV FULL SCAN INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Pace Analytical - Indiana SDG No.: 5099688 Contract: Sibley-Accucast/2339-356-03-00
 Sample ID : 6984997CCV Init. Calib. Date: 06/10/2014 Time: 06/10/2014
 Instrument ID: 50MSS3 GC Column: Col 1 Date Analyzed: 06/27/2014
 Lab File ID: 062714.B\100PPM-A.D Time Analyzed: 13:28

		AREA ANT	RT	AREA CRY	RT	AREA DCB	RT	AREA NPT	RT
12 HOUR STD		408867	9.886	943429	14.368	150905	4.634	639635	6.516
UPPER LIMIT		817734	10.386	1886858	14.868	301810	5.134	1279270	7.016
LOWER LIMIT		204433.5	9.386	471714.5	13.868	75452.5	4.134	319817.5	6.016
LAB SAMPLE ID	SAMPLE NO.								
1117087	1117087BLANK	245257	9.886	599477	14.368	109384	4.64	418443	6.516
1117088	1117088LCS	258328	9.88	678838	14.362	109032	4.634	428953	6.516
1117089	1117089MS	280496	9.886	700594	14.368	114882	4.639	469948	6.516
1117090	1117090MSD	267224	9.88	702241	14.362	112490	4.634	451412	6.516
1117091	1117091MS	262933	9.886	724299	14.363	111576	4.64	440423	6.516
1117092	1117092MSD	318746	9.881	775276	14.363	136033	4.634	541729	6.51
5099688001	TMW-5(12-14)	283395	9.886	779918	14.363	107489	4.64	439693	6.516
5099688002	TMW-5(2-4)	294063	9.886	775754	14.363	123915	4.64	486879	6.516
5099688003	TMW-4(14-16)	279871	9.886	749766	14.363	118994	4.64	465254	6.516
5099688004	TMW-4(5-7)	267762	9.886	690897	14.363	116388	4.64	459157	6.516
5099688005	P-5(10-12)	256754	9.886	715674	14.368	105777	4.64	421738	6.516
5099688006	P-5(2-4)	275651	9.886	711533	14.363	111078	4.634	447842	6.516
5099688007	TMW-6(14-16)	263111	9.886	723442	14.363	108227	4.64	425315	6.516
5099688008	TMW-6(2-4)	274067	9.886	753366	14.363	113614	4.634	452342	6.516
5099688009	P-6(10-12)	306830	9.886	713229	14.363	131873	4.634	516944	6.51
5099688010	P-6(2-4)	329201	9.88	770397	14.363	139090	4.634	556304	6.51
5099688011	P-3 RE(2-4)	318150	9.88	863126	14.362	129405	4.634	517370	6.51
5099688012	P-8 RE(0-2)	296624	9.88	728975	14.363	126496	4.634	501994	6.51

ANT = Acenaphthene-d10 (IS)

CRY = Chrysene-d12 (IS)

DCB = 1,4-Dichlorobenzene-d4 (IS)

NPT = Naphthalene-d8 (IS)

AREA UPPER LIMIT = 200% of Internal Standard Area

AREA LOWER LIMIT = 50% of Internal Standard Area

RT UPPER LIMIT = +0.50 minutes of Internal Standard RT

RT LOWER LIMIT = -0.50 minutes of Internal Standard RT

* Values outside of QC Limits

MSSV FULL SCAN - FORM VIII SVOA-1
MSSV FULL SCAN INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Pace Analytical - Indiana SDG No.: 5099688 Contract: Sibley-Accucast/2339-356-03-00
 Sample ID : 6984997CCV Init. Calib. Date: 06/10/2014 Time: 06/10/2014
 Instrument ID: 50MSS3 GC Column: Col 1 Date Analyzed: 06/27/2014
 Lab File ID: 062714.B\100PPM-A.D Time Analyzed: 13:28

		AREA PHN	RT	AREA PYL	RT
12 HOUR STD		762482	11.598	905108	15.974
UPPER LIMIT		1524964	12.098	1810216	16.474
LOWER LIMIT		381241	11.098	452554	15.474
LAB SAMPLE ID	SAMPLE NO.				
1117087	1117087BLANK	453147	11.598	420270*	15.968
1117088	1117088LCS	485759	11.598	500041	15.968
1117089	1117089MS	517562	11.598	494620	15.968
1117090	1117090MSD	503355	11.598	481377	15.968
1117091	1117091MS	500660	11.598	507385	15.968
1117092	1117092MSD	567242	11.598	531894	15.968
5099688001	TMW-5(12-14)	553729	11.598	529595	15.968
5099688002	TMW-5(2-4)	545175	11.598	526028	15.968
5099688003	TMW-4(14-16)	524780	11.598	515121	15.974
5099688004	TMW-4(5-7)	484475	11.598	491370	15.968
5099688005	P-5(10-12)	498823	11.598	487138	15.974
5099688006	P-5(2-4)	504843	11.598	483800	15.974
5099688007	TMW-6(14-16)	506077	11.598	495948	15.968
5099688008	TMW-6(2-4)	515612	11.598	516115	15.968
5099688009	P-6(10-12)	530861	11.598	507546	15.968
5099688010	P-6(2-4)	578049	11.598	520783	15.968
5099688011	P-3 RE(2-4)	631464	11.598	569390	15.968
5099688012	P-8 RE(0-2)	536914	11.598	503366	15.974

PHN = Phenanthrene-d10 (IS)

PYL = Perylene-d12 (IS)

AREA UPPER LIMIT = 200% of Internal Standard Area

AREA LOWER LIMIT = 50% of Internal Standard Area

RT UPPER LIMIT = +0.50 minutes of Internal Standard RT

RT LOWER LIMIT = -0.50 minutes of Internal Standard RT

* Values outside of QC Limits

MSSV FULL SCAN - FORM I SVOA-1
SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TMW-5(12-14)

Lab Name: Pace Analytical - Indiana
Date Received: 06/21/2014 10:54
Date Extracted: 06/25/2014 12:30
Date Analyzed: 06/27/2014 17:21
Initial wt/vol: 30.2 g Final wt/vol: 1 mL Dilution: 1

Contract: Sibley-Accucast/2339-356-03-00
Matrix: Solid SDG No.: 5099688
Lab Sample ID: 5099688001
Lab File ID: 062714.B\5099688001.D
Instrument: 50MSS3 Percent Moisture: 4.7%

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
83-32-9	Acenaphthene	ND	U
208-96-8	Acenaphthylene	ND	U
120-12-7	Anthracene	ND	U
56-55-3	Benzo(a)anthracene	ND	U
50-32-8	Benzo(a)pyrene	ND	U
205-99-2	Benzo(b)fluoranthene	ND	U
191-24-2	Benzo(g,h,i)perylene	ND	U
207-08-9	Benzo(k)fluoranthene	ND	U
100-51-6	Benzyl alcohol	ND	U
101-55-3	4-Bromophenylphenyl ether	ND	U
85-68-7	Butylbenzylphthalate	ND	U
59-50-7	4-Chloro-3-methylphenol	ND	U
106-47-8	4-Chloroaniline	ND	U
111-91-1	bis(2-Chloroethoxy)methane	ND	U
111-44-4	bis(2-Chloroethyl) ether	ND	U
108-60-1	bis(2chloro1methylethyl) ether	ND	U
91-58-7	2-Chloronaphthalene	ND	U
95-57-8	2-Chlorophenol	ND	U
7005-72-3	4-Chlorophenylphenyl ether	ND	U
218-01-9	Chrysene	ND	U
53-70-3	Dibenz(a,h)anthracene	ND	U
132-64-9	Dibenzofuran	ND	U
91-94-1	3,3'-Dichlorobenzidine	ND	U
120-83-2	2,4-Dichlorophenol	ND	U
84-66-2	Diethylphthalate	ND	U
105-67-9	2,4-Dimethylphenol	ND	U
131-11-3	Dimethylphthalate	ND	U
84-74-2	Di-n-butylphthalate	ND	U
534-52-1	4,6-Dinitro-2-methylphenol	ND	U
51-28-5	2,4-Dinitrophenol	ND	U
121-14-2	2,4-Dinitrotoluene	ND	U
606-20-2	2,6-Dinitrotoluene	ND	U
117-84-0	Di-n-octylphthalate	ND	U
117-81-7	bis(2-Ethylhexyl)phthalate	ND	U
206-44-0	Fluoranthene	ND	U
86-73-7	Fluorene	ND	U
87-68-3	Hexachloro-1,3-butadiene	ND	U

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MSSV FULL SCAN - FORM I SVOA-2
SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TMW-5(12-14)

Lab Name: Pace Analytical - Indiana
Date Received: 06/21/2014 10:54
Date Extracted: 06/25/2014 12:30
Date Analyzed: 06/27/2014 17:21
Initial wt/vol: 30.2 g Final wt/vol: 1 mL Dilution: 1

Contract: Sibley-Accucast/2339-356-03-00
Matrix: Solid SDG No.: 5099688
Lab Sample ID: 5099688001
Lab File ID: 062714.B\5099688001.D
Instrument: 50MSS3 Percent Moisture: 4.7%

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
118-74-1	Hexachlorobenzene	ND	U
77-47-4	Hexachlorocyclopentadiene	ND	U
67-72-1	Hexachloroethane	ND	U
193-39-5	Indeno(1,2,3-cd)pyrene	ND	U
78-59-1	Isophorone	ND	U
91-57-6	2-Methylnaphthalene	ND	U
95-48-7	2-Methylphenol(o-Cresol)	ND	U
	3&4-Methylphenol(m&p Cresol)	ND	U
91-20-3	Naphthalene	ND	U
88-74-4	2-Nitroaniline	ND	U
99-09-2	3-Nitroaniline	ND	U
100-01-6	4-Nitroaniline	ND	U
98-95-3	Nitrobenzene	ND	U
88-75-5	2-Nitrophenol	ND	U
100-02-7	4-Nitrophenol	ND	U
621-64-7	N-Nitroso-di-n-propylamine	ND	U
86-30-6	N-Nitrosodiphenylamine	ND	U
87-86-5	Pentachlorophenol	ND	U
85-01-8	Phenanthrene	ND	U
108-95-2	Phenol	ND	U
129-00-0	Pyrene	ND	U
95-95-4	2,4,5-Trichlorophenol	ND	U
88-06-2	2,4,6-Trichlorophenol	ND	U

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Pace Analytical Services, Inc.

Semivolatile REPORT SW-846 Method 8270/EPA 625

Data file : \\192.168.50.6\chem\50MSS3.i\062714.b\5099688001.d
 Lab Smp Id: 5099688001 Client Smp ID: TMW-5(12-14)
 Inj Date : 27-JUN-2014 17:21
 Operator : CEM Inst ID: 50MSS3.i
 Smp Info : 5099688001
 Misc Info : 15583
 Comment :
 Method : \\192.168.50.6\chem\50MSS3.i\062714.b\8270c.m
 Meth Date : 30-Jun-2014 13:19 50MSS3.i Quant Type: ISTD
 Cal Date : 10-JUN-2014 12:11 Cal File: 100ppm.d
 Als bottle: 13
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: most.sub
 Target Version: 4.14
 Processing Host: 50-SVOA-SN

Concentration Formula: Amt * DF * Uf * Vt / (Vi * Ws * (100 - M) / 100) * CpndV

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vt	1000.000	Volume of final extract (uL)
Vi	1.000	Volume Injected (uL)
Ws	30.200	Weight of sample extracted (g)
M	4.708	% Moisture
Cpnd Variable		Local Compound Variable

Compounds	QUANT	SIG	CONCENTRATIONS				
			ON-COLUMN	FINAL			
	MASS	RT	EXP RT	REL RT	RESPONSE	(ug/ml)	(ug/Kg)
\$ 3 2-Fluorophenol (S)	112	3.386	3.380	(0.730)	241264	78.1572	2716
\$ 7 Phenol-d5 (S)	99	4.410	4.404	(0.951)	312204	81.3420	2826
* 11 1,4-Dichlorobenzene-d4 (IS)	152	4.639	4.633	(1.000)	107489	40.0000	(Q)
\$ 23 Nitrobenzene-d5 (S)	82	5.369	5.368	(0.824)	242636	75.6133	2627
* 32 Naphthalene-d8 (IS)	136	6.516	6.515	(1.000)	439693	40.0000	
\$ 44 2-Fluorobiphenyl (S)	172	8.921	8.927	(0.902)	689281	75.0030	2606
* 53 Acenaphthene-d10 (IS)	164	9.886	9.886	(1.000)	283395	40.0000	
\$ 67 2,4,6-Tribromophenol (S)	330	10.886	10.886	(0.939)	145396	83.5574	2903
* 72 Phenanthrene-d10 (IS)	188	11.598	11.597	(1.000)	553729	40.0000	
\$ 80 p-Terphenyl-d14 (S)	244	13.250	13.256	(1.143)	1164920	100.960	3508
* 84 Chrysene-d12 (IS)	240	14.362	14.368	(1.000)	779918	40.0000	
* 91 Perylene-d12 (IS)	264	15.968	15.974	(1.000)	529595	40.0000	

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Date: 27-JUN-2014 17:21

Client ID: TMM-5(12-14)

Sample Info: 5099688001

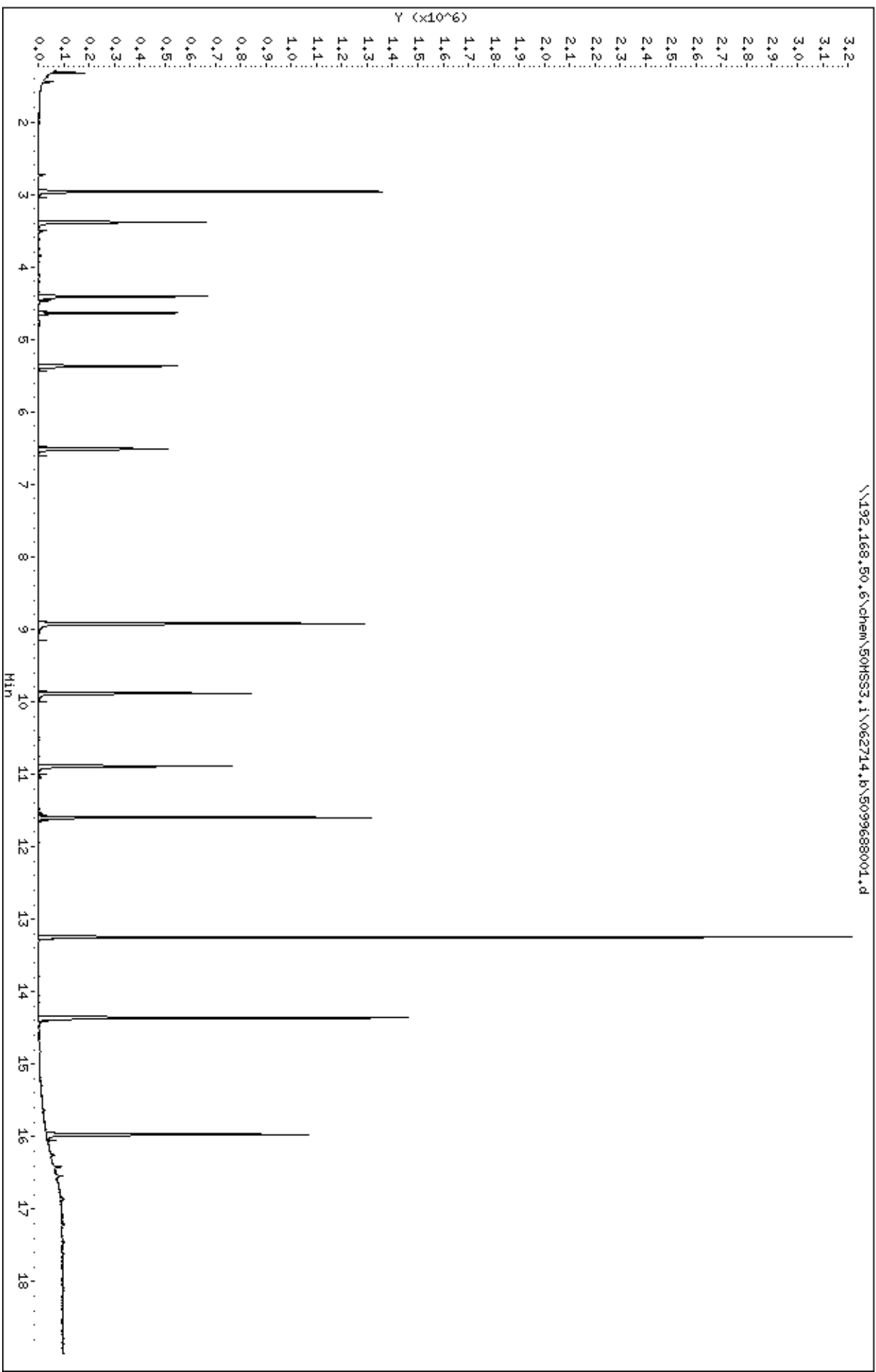
Volume Injected (uL): 1.0

Column phase: 50um DB-5ms

Instrument: 50HSS3.1

Operator: CEH

Column diameter: 0.25



MSSV FULL SCAN - FORM I SVOA-1
SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TMW-5(2-4)

Lab Name: Pace Analytical - Indiana
Date Received: 06/21/2014 10:54
Date Extracted: 06/25/2014 12:30
Date Analyzed: 06/27/2014 18:31
Initial wt/vol: 30.1 g Final wt/vol: 1 mL Dilution: 1

Contract: Sibley-Accucast/2339-356-03-00
Matrix: Solid SDG No.: 5099688
Lab Sample ID: 5099688002
Lab File ID: 062714.B\5099688002.D
Instrument: 50MSS3 Percent Moisture: 5.8%

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
83-32-9	Acenaphthene	ND	U
208-96-8	Acenaphthylene	ND	U
120-12-7	Anthracene	ND	U
56-55-3	Benzo(a)anthracene	ND	U
50-32-8	Benzo(a)pyrene	ND	U
205-99-2	Benzo(b)fluoranthene	ND	U
191-24-2	Benzo(g,h,i)perylene	ND	U
207-08-9	Benzo(k)fluoranthene	ND	U
100-51-6	Benzyl alcohol	ND	U
101-55-3	4-Bromophenylphenyl ether	ND	U
85-68-7	Butylbenzylphthalate	ND	U
59-50-7	4-Chloro-3-methylphenol	ND	U
106-47-8	4-Chloroaniline	ND	U
111-91-1	bis(2-Chloroethoxy)methane	ND	U
111-44-4	bis(2-Chloroethyl) ether	ND	U
108-60-1	bis(2chloro1methylethyl) ether	ND	U
91-58-7	2-Chloronaphthalene	ND	U
95-57-8	2-Chlorophenol	ND	U
7005-72-3	4-Chlorophenylphenyl ether	ND	U
218-01-9	Chrysene	ND	U
53-70-3	Dibenz(a,h)anthracene	ND	U
132-64-9	Dibenzofuran	ND	U
91-94-1	3,3'-Dichlorobenzidine	ND	U
120-83-2	2,4-Dichlorophenol	ND	U
84-66-2	Diethylphthalate	ND	U
105-67-9	2,4-Dimethylphenol	ND	U
131-11-3	Dimethylphthalate	ND	U
84-74-2	Di-n-butylphthalate	ND	U
534-52-1	4,6-Dinitro-2-methylphenol	ND	U
51-28-5	2,4-Dinitrophenol	ND	U
121-14-2	2,4-Dinitrotoluene	ND	U
606-20-2	2,6-Dinitrotoluene	ND	U
117-84-0	Di-n-octylphthalate	ND	U
117-81-7	bis(2-Ethylhexyl)phthalate	ND	U
206-44-0	Fluoranthene	ND	U
86-73-7	Fluorene	ND	U
87-68-3	Hexachloro-1,3-butadiene	ND	U

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MSSV FULL SCAN - FORM I SVOA-2
SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TMW-5(2-4)

Lab Name: Pace Analytical - Indiana
Date Received: 06/21/2014 10:54
Date Extracted: 06/25/2014 12:30
Date Analyzed: 06/27/2014 18:31
Initial wt/vol: 30.1 g Final wt/vol: 1 mL Dilution: 1

Contract: Sibley-Accucast/2339-356-03-00
Matrix: Solid SDG No.: 5099688
Lab Sample ID: 5099688002
Lab File ID: 062714.B\5099688002.D
Instrument: 50MSS3 Percent Moisture: 5.8%

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
118-74-1	Hexachlorobenzene	ND	U
77-47-4	Hexachlorocyclopentadiene	ND	U
67-72-1	Hexachloroethane	ND	U
193-39-5	Indeno(1,2,3-cd)pyrene	ND	U
78-59-1	Isophorone	ND	U
91-57-6	2-Methylnaphthalene	ND	U
95-48-7	2-Methylphenol(o-Cresol)	ND	U
	3&4-Methylphenol(m&p Cresol)	ND	U
91-20-3	Naphthalene	ND	U
88-74-4	2-Nitroaniline	ND	U
99-09-2	3-Nitroaniline	ND	U
100-01-6	4-Nitroaniline	ND	U
98-95-3	Nitrobenzene	ND	U
88-75-5	2-Nitrophenol	ND	U
100-02-7	4-Nitrophenol	ND	U
621-64-7	N-Nitroso-di-n-propylamine	ND	U
86-30-6	N-Nitrosodiphenylamine	ND	U
87-86-5	Pentachlorophenol	ND	U
85-01-8	Phenanthrene	ND	U
108-95-2	Phenol	ND	U
129-00-0	Pyrene	ND	U
95-95-4	2,4,5-Trichlorophenol	ND	U
88-06-2	2,4,6-Trichlorophenol	ND	U

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Pace Analytical Services, Inc.

Semivolatile REPORT SW-846 Method 8270/EPA 625

Data file : \\192.168.50.6\chem\50MSS3.i\062714.b\5099688002.d
 Lab Smp Id: 5099688002 Client Smp ID: TMW-5(2-4)
 Inj Date : 27-JUN-2014 18:31
 Operator : CEM Inst ID: 50MSS3.i
 Smp Info : 5099688002
 Misc Info : 15583
 Comment :
 Method : \\192.168.50.6\chem\50MSS3.i\062714.b\8270c.m
 Meth Date : 30-Jun-2014 13:19 50MSS3.i Quant Type: ISTD
 Cal Date : 10-JUN-2014 12:11 Cal File: 100ppm.d
 Als bottle: 16
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: most.sub
 Target Version: 4.14
 Processing Host: 50-SVOA-SN

Concentration Formula: Amt * DF * Uf * Vt / (Vi * Ws * (100 - M) / 100) * CpndV

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vt	1000.000	Volume of final extract (uL)
Vi	1.000	Volume Injected (uL)
Ws	30.100	Weight of sample extracted (g)
M	5.829	% Moisture
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG		CONCENTRATIONS				
	MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ug/ml)	FINAL (ug/Kg)
\$ 3 2-Fluorophenol (S)	112	3.386	3.380	(0.730)	260914	73.3185	2587
\$ 7 Phenol-d5 (S)	99	4.410	4.404	(0.951)	336706	76.0970	2685
* 11 1,4-Dichlorobenzene-d4 (IS)	152	4.639	4.633	(1.000)	123915	40.0000	(Q)
\$ 23 Nitrobenzene-d5 (S)	82	5.369	5.368	(0.824)	264002	74.2983	2621
* 32 Naphthalene-d8 (IS)	136	6.515	6.515	(1.000)	486879	40.0000	
\$ 44 2-Fluorobiphenyl (S)	172	8.927	8.927	(0.903)	709914	74.4457	2626
* 53 Acenaphthene-d10 (IS)	164	9.886	9.886	(1.000)	294063	40.0000	
\$ 67 2,4,6-Tribromophenol (S)	330	10.886	10.886	(0.939)	133537	77.9462	2750
* 72 Phenanthrene-d10 (IS)	188	11.598	11.597	(1.000)	545175	40.0000	
\$ 80 p-Terphenyl-d14 (S)	244	13.250	13.256	(1.143)	1168681	102.875	3629
* 84 Chrysene-d12 (IS)	240	14.362	14.368	(1.000)	775754	40.0000	
* 91 Perylene-d12 (IS)	264	15.968	15.974	(1.000)	526028	40.0000	

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Date: 27-JUN-2014 18:31

Client ID: TMM-5(2-4)

Sample Info: 5099688002

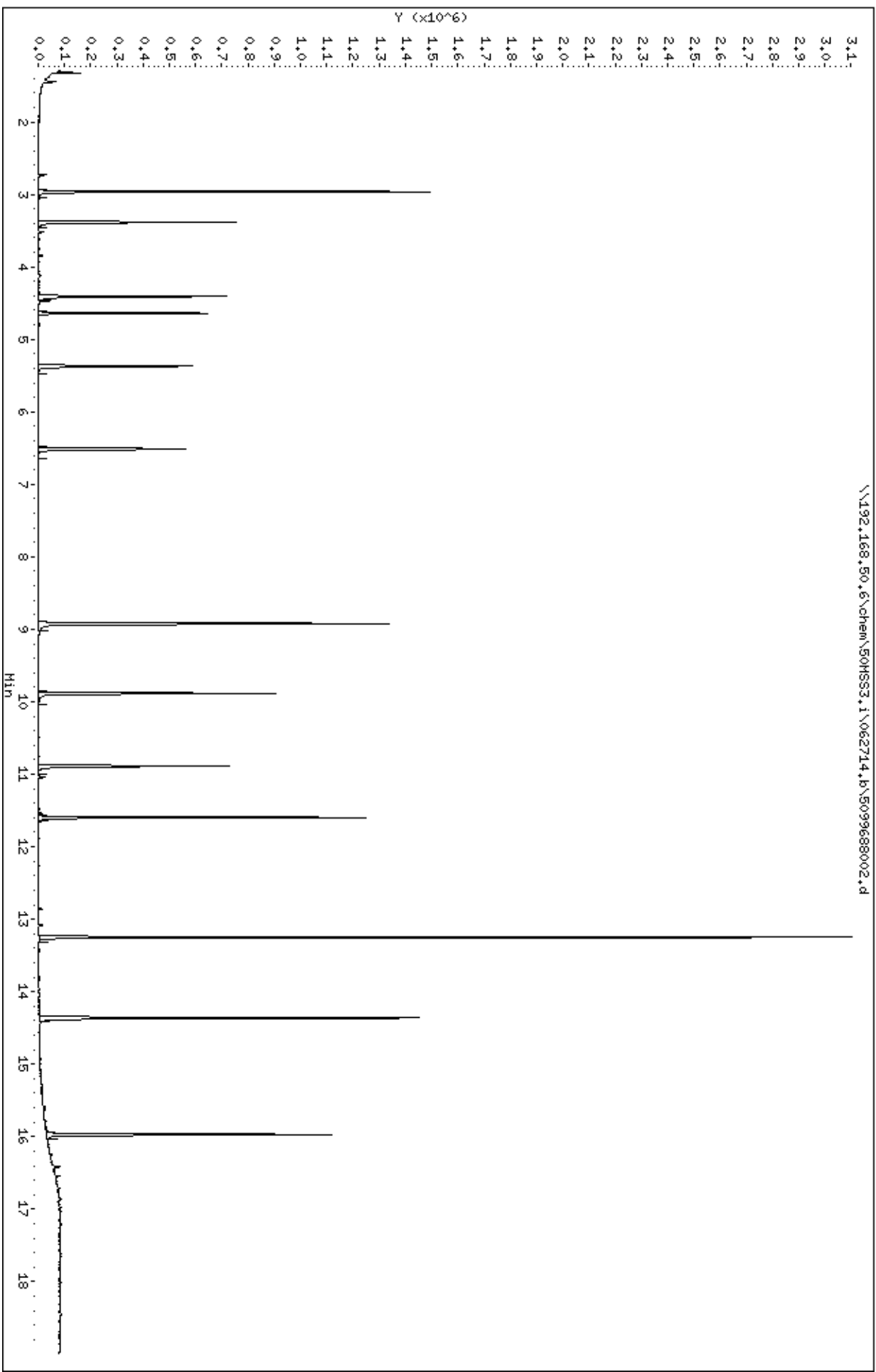
Volume Injected (uL): 1.0

Column phase: 50um DB-5ms

Instrument: 50HSS3.1

Operator: CEH

Column diameter: 0.25



MSSV FULL SCAN - FORM I SVOA-1
SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TMW-4(14-16)

Lab Name: Pace Analytical - Indiana
Date Received: 06/21/2014 10:54
Date Extracted: 06/25/2014 12:30
Date Analyzed: 06/27/2014 18:54
Initial wt/vol: 30.1 g Final wt/vol: 1 mL Dilution: 1

Contract: Sibley-Accucast/2339-356-03-00
Matrix: Solid SDG No.: 5099688
Lab Sample ID: 5099688003
Lab File ID: 062714.B\5099688003.D
Instrument: 50MSS3 Percent Moisture: 10.9%

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
83-32-9	Acenaphthene	ND	U
208-96-8	Acenaphthylene	ND	U
120-12-7	Anthracene	ND	U
56-55-3	Benzo(a)anthracene	ND	U
50-32-8	Benzo(a)pyrene	ND	U
205-99-2	Benzo(b)fluoranthene	ND	U
191-24-2	Benzo(g,h,i)perylene	ND	U
207-08-9	Benzo(k)fluoranthene	ND	U
100-51-6	Benzyl alcohol	ND	U
101-55-3	4-Bromophenylphenyl ether	ND	U
85-68-7	Butylbenzylphthalate	ND	U
59-50-7	4-Chloro-3-methylphenol	ND	U
106-47-8	4-Chloroaniline	ND	U
111-91-1	bis(2-Chloroethoxy)methane	ND	U
111-44-4	bis(2-Chloroethyl) ether	ND	U
108-60-1	bis(2chloro1methylethyl) ether	ND	U
91-58-7	2-Chloronaphthalene	ND	U
95-57-8	2-Chlorophenol	ND	U
7005-72-3	4-Chlorophenylphenyl ether	ND	U
218-01-9	Chrysene	ND	U
53-70-3	Dibenz(a,h)anthracene	ND	U
132-64-9	Dibenzofuran	ND	U
91-94-1	3,3'-Dichlorobenzidine	ND	U
120-83-2	2,4-Dichlorophenol	ND	U
84-66-2	Diethylphthalate	ND	U
105-67-9	2,4-Dimethylphenol	ND	U
131-11-3	Dimethylphthalate	ND	U
84-74-2	Di-n-butylphthalate	ND	U
534-52-1	4,6-Dinitro-2-methylphenol	ND	U
51-28-5	2,4-Dinitrophenol	ND	U
121-14-2	2,4-Dinitrotoluene	ND	U
606-20-2	2,6-Dinitrotoluene	ND	U
117-84-0	Di-n-octylphthalate	ND	U
117-81-7	bis(2-Ethylhexyl)phthalate	ND	U
206-44-0	Fluoranthene	ND	U
86-73-7	Fluorene	ND	U
87-68-3	Hexachloro-1,3-butadiene	ND	U

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MSSV FULL SCAN - FORM I SVOA-2
SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TMW-4(14-16)

Lab Name: Pace Analytical - Indiana
Date Received: 06/21/2014 10:54
Date Extracted: 06/25/2014 12:30
Date Analyzed: 06/27/2014 18:54
Initial wt/vol: 30.1 g Final wt/vol: 1 mL Dilution: 1

Contract: Sibley-Accucast/2339-356-03-00
Matrix: Solid SDG No.: 5099688
Lab Sample ID: 5099688003
Lab File ID: 062714.B\5099688003.D
Instrument: 50MSS3 Percent Moisture: 10.9%

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
118-74-1	Hexachlorobenzene	ND	U
77-47-4	Hexachlorocyclopentadiene	ND	U
67-72-1	Hexachloroethane	ND	U
193-39-5	Indeno(1,2,3-cd)pyrene	ND	U
78-59-1	Isophorone	ND	U
91-57-6	2-Methylnaphthalene	ND	U
95-48-7	2-Methylphenol(o-Cresol)	ND	U
	3&4-Methylphenol(m&p Cresol)	ND	U
91-20-3	Naphthalene	ND	U
88-74-4	2-Nitroaniline	ND	U
99-09-2	3-Nitroaniline	ND	U
100-01-6	4-Nitroaniline	ND	U
98-95-3	Nitrobenzene	ND	U
88-75-5	2-Nitrophenol	ND	U
100-02-7	4-Nitrophenol	ND	U
621-64-7	N-Nitroso-di-n-propylamine	ND	U
86-30-6	N-Nitrosodiphenylamine	ND	U
87-86-5	Pentachlorophenol	ND	U
85-01-8	Phenanthrene	ND	U
108-95-2	Phenol	ND	U
129-00-0	Pyrene	ND	U
95-95-4	2,4,5-Trichlorophenol	ND	U
88-06-2	2,4,6-Trichlorophenol	ND	U

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Pace Analytical Services, Inc.

Semivolatile REPORT SW-846 Method 8270/EPA 625

Data file : \\192.168.50.6\chem\50MSS3.i\062714.b\5099688003.d
 Lab Smp Id: 5099688003 Client Smp ID: TMW-4(14-16)
 Inj Date : 27-JUN-2014 18:54
 Operator : CEM Inst ID: 50MSS3.i
 Smp Info : 5099688003
 Misc Info : 15583
 Comment :
 Method : \\192.168.50.6\chem\50MSS3.i\062714.b\8270c.m
 Meth Date : 30-Jun-2014 13:19 50MSS3.i Quant Type: ISTD
 Cal Date : 10-JUN-2014 12:11 Cal File: 100ppm.d
 Als bottle: 17
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: most.sub
 Target Version: 4.14
 Processing Host: 50-SVOA-SN

Concentration Formula: Amt * DF * Uf * Vt / (Vi * Ws * (100 - M) / 100) * CpndV

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vt	1000.000	Volume of final extract (uL)
Vi	1.000	Volume Injected (uL)
Ws	30.100	Weight of sample extracted (g)
M	10.918	% Moisture
Cpnd Variable		Local Compound Variable

Compounds	QUANT	SIG	CONCENTRATIONS				
			ON-COLUMN	FINAL			
	MASS	RT	EXP RT	REL RT	RESPONSE	(ug/ml)	(ug/Kg)
\$ 3 2-Fluorophenol (S)	112	3.386	3.380	(0.730)	265255	77.6209	2895
\$ 7 Phenol-d5 (S)	99	4.410	4.404	(0.951)	338235	79.6038	2969
* 11 1,4-Dichlorobenzene-d4 (IS)	152	4.639	4.633	(1.000)	118994	40.0000	(Q)
\$ 23 Nitrobenzene-d5 (S)	82	5.369	5.368	(0.824)	268559	79.0938	2950
* 32 Naphthalene-d8 (IS)	136	6.516	6.515	(1.000)	465254	40.0000	
\$ 44 2-Fluorobiphenyl (S)	172	8.927	8.927	(0.903)	709968	78.2268	2917
* 53 Acenaphthene-d10 (IS)	164	9.886	9.886	(1.000)	279871	40.0000	
\$ 67 2,4,6-Tribromophenol (S)	330	10.892	10.886	(0.939)	139354	84.5029	3151
* 72 Phenanthrene-d10 (IS)	188	11.598	11.597	(1.000)	524780	40.0000	
\$ 80 p-Terphenyl-d14 (S)	244	13.250	13.256	(1.143)	1117930	102.232	3813
* 84 Chrysene-d12 (IS)	240	14.362	14.368	(1.000)	749766	40.0000	
* 91 Perylene-d12 (IS)	264	15.974	15.974	(1.000)	515121	40.0000	

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Date: 27-JUN-2014 18:54

Client ID: TMM-4(14-16)

Sample Info: 5099688003

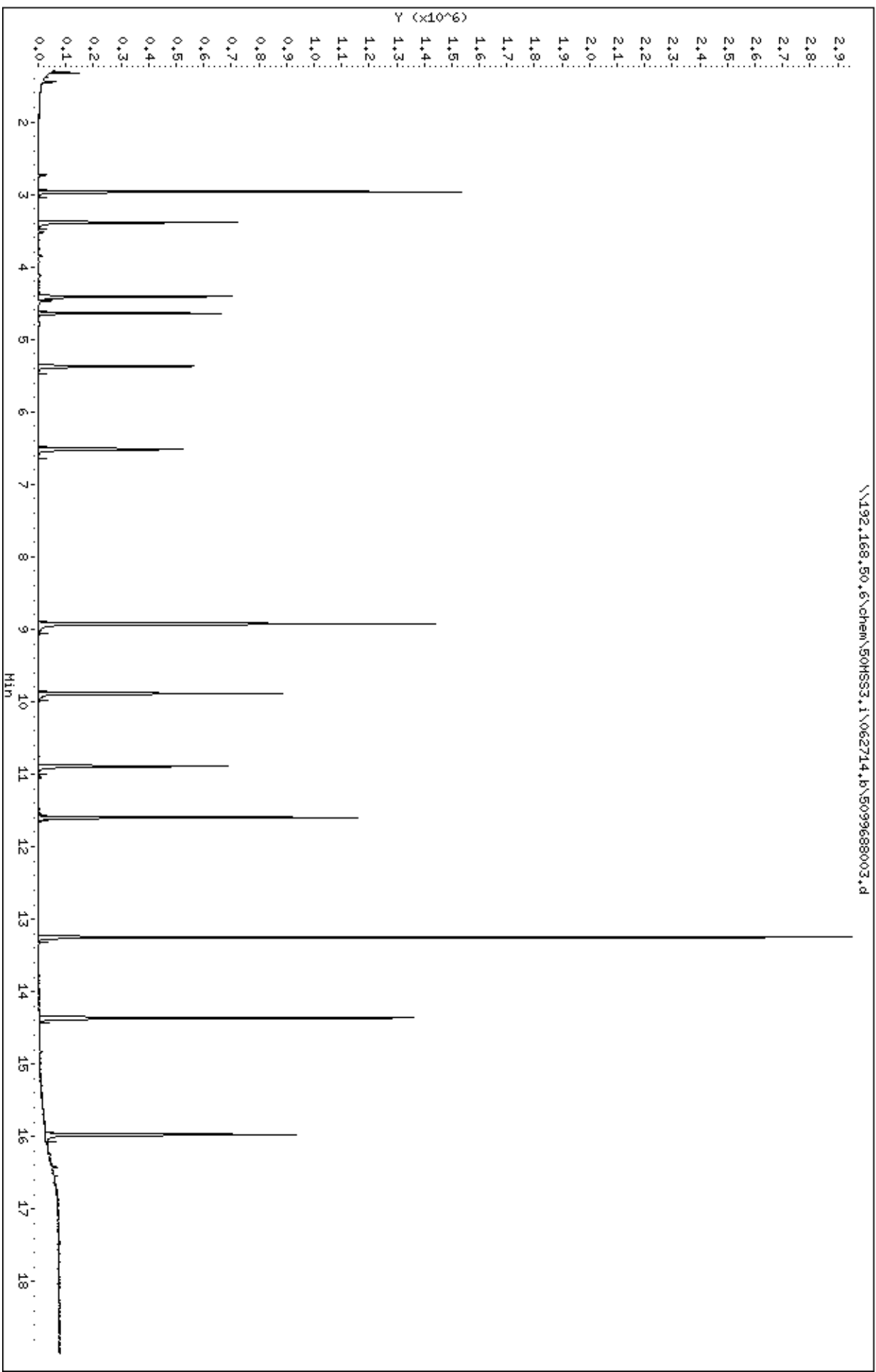
Volume Injected (uL): 1.0

Column phase: 50um DB-5ms

Instrument: 50HSS3.1

Operator: CEH

Column diameter: 0.25



MSSV FULL SCAN - FORM I SVOA-1
SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TMW-4(5-7)

Lab Name: Pace Analytical - Indiana
Date Received: 06/21/2014 10:54
Date Extracted: 06/25/2014 12:30
Date Analyzed: 06/27/2014 19:18
Initial wt/vol: 30.2 g Final wt/vol: 1 mL Dilution: 1

Contract: Sibley-Accucast/2339-356-03-00
Matrix: Solid SDG No.: 5099688
Lab Sample ID: 5099688004
Lab File ID: 062714.B\5099688004.D
Instrument: 50MSS3 Percent Moisture: 4.4%

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
83-32-9	Acenaphthene	ND	U
208-96-8	Acenaphthylene	ND	U
120-12-7	Anthracene	ND	U
56-55-3	Benzo(a)anthracene	ND	U
50-32-8	Benzo(a)pyrene	ND	U
205-99-2	Benzo(b)fluoranthene	ND	U
191-24-2	Benzo(g,h,i)perylene	ND	U
207-08-9	Benzo(k)fluoranthene	ND	U
100-51-6	Benzyl alcohol	ND	U
101-55-3	4-Bromophenylphenyl ether	ND	U
85-68-7	Butylbenzylphthalate	ND	U
59-50-7	4-Chloro-3-methylphenol	ND	U
106-47-8	4-Chloroaniline	ND	U
111-91-1	bis(2-Chloroethoxy)methane	ND	U
111-44-4	bis(2-Chloroethyl) ether	ND	U
108-60-1	bis(2chloro1methylethyl) ether	ND	U
91-58-7	2-Chloronaphthalene	ND	U
95-57-8	2-Chlorophenol	ND	U
7005-72-3	4-Chlorophenylphenyl ether	ND	U
218-01-9	Chrysene	ND	U
53-70-3	Dibenz(a,h)anthracene	ND	U
132-64-9	Dibenzofuran	ND	U
91-94-1	3,3'-Dichlorobenzidine	ND	U
120-83-2	2,4-Dichlorophenol	ND	U
84-66-2	Diethylphthalate	ND	U
105-67-9	2,4-Dimethylphenol	ND	U
131-11-3	Dimethylphthalate	ND	U
84-74-2	Di-n-butylphthalate	ND	U
534-52-1	4,6-Dinitro-2-methylphenol	ND	U
51-28-5	2,4-Dinitrophenol	ND	U
121-14-2	2,4-Dinitrotoluene	ND	U
606-20-2	2,6-Dinitrotoluene	ND	U
117-84-0	Di-n-octylphthalate	ND	U
117-81-7	bis(2-Ethylhexyl)phthalate	ND	U
206-44-0	Fluoranthene	ND	U
86-73-7	Fluorene	ND	U
87-68-3	Hexachloro-1,3-butadiene	ND	U

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MSSV FULL SCAN - FORM I SVOA-2
SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TMW-4(5-7)

Lab Name: Pace Analytical - Indiana
Date Received: 06/21/2014 10:54
Date Extracted: 06/25/2014 12:30
Date Analyzed: 06/27/2014 19:18
Initial wt/vol: 30.2 g Final wt/vol: 1 mL Dilution: 1

Contract: Sibley-Accucast/2339-356-03-00
Matrix: Solid SDG No.: 5099688
Lab Sample ID: 5099688004
Lab File ID: 062714.B\5099688004.D
Instrument: 50MSS3 Percent Moisture: 4.4%

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
118-74-1	Hexachlorobenzene	ND	U
77-47-4	Hexachlorocyclopentadiene	ND	U
67-72-1	Hexachloroethane	ND	U
193-39-5	Indeno(1,2,3-cd)pyrene	ND	U
78-59-1	Isophorone	ND	U
91-57-6	2-Methylnaphthalene	ND	U
95-48-7	2-Methylphenol(o-Cresol)	ND	U
	3&4-Methylphenol(m&p Cresol)	ND	U
91-20-3	Naphthalene	ND	U
88-74-4	2-Nitroaniline	ND	U
99-09-2	3-Nitroaniline	ND	U
100-01-6	4-Nitroaniline	ND	U
98-95-3	Nitrobenzene	ND	U
88-75-5	2-Nitrophenol	ND	U
100-02-7	4-Nitrophenol	ND	U
621-64-7	N-Nitroso-di-n-propylamine	ND	U
86-30-6	N-Nitrosodiphenylamine	ND	U
87-86-5	Pentachlorophenol	ND	U
85-01-8	Phenanthrene	ND	U
108-95-2	Phenol	ND	U
129-00-0	Pyrene	ND	U
95-95-4	2,4,5-Trichlorophenol	ND	U
88-06-2	2,4,6-Trichlorophenol	ND	U

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Pace Analytical Services, Inc.

Semivolatile REPORT SW-846 Method 8270/EPA 625

Data file : \\192.168.50.6\chem\50MSS3.i\062714.b\5099688004.d
 Lab Smp Id: 5099688004 Client Smp ID: TMW-4(5-7)
 Inj Date : 27-JUN-2014 19:18
 Operator : CEM Inst ID: 50MSS3.i
 Smp Info : 5099688004
 Misc Info : 15583
 Comment :
 Method : \\192.168.50.6\chem\50MSS3.i\062714.b\8270c.m
 Meth Date : 30-Jun-2014 13:19 50MSS3.i Quant Type: ISTD
 Cal Date : 10-JUN-2014 12:11 Cal File: 100ppm.d
 Als bottle: 18
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: most.sub
 Target Version: 4.14
 Processing Host: 50-SVOA-SN

Concentration Formula: Amt * DF * Uf * Vt / (Vi * Ws * (100 - M) / 100) * CpndV

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vt	1000.000	Volume of final extract (uL)
Vi	1.000	Volume Injected (uL)
Ws	30.200	Weight of sample extracted (g)
M	4.378	% Moisture
Cpnd Variable		Local Compound Variable

Compounds	QUANT	SIG	CONCENTRATIONS				
			ON-COLUMN	FINAL			
	MASS	RT	EXP RT	REL RT	RESPONSE	(ug/ml)	(ug/Kg)
\$ 3 2-Fluorophenol (S)	112	3.386	3.380	(0.730)	251214	75.1581	2603
\$ 7 Phenol-d5 (S)	99	4.410	4.404	(0.951)	322635	77.6325	2688
* 11 1,4-Dichlorobenzene-d4 (IS)	152	4.639	4.633	(1.000)	116388	40.0000	(Q)
\$ 23 Nitrobenzene-d5 (S)	82	5.369	5.368	(0.824)	252934	75.4812	2614
* 32 Naphthalene-d8 (IS)	136	6.516	6.515	(1.000)	459157	40.0000	
\$ 44 2-Fluorobiphenyl (S)	172	8.927	8.927	(0.903)	680680	78.3914	2714
* 53 Acenaphthene-d10 (IS)	164	9.886	9.886	(1.000)	267762	40.0000	
\$ 67 2,4,6-Tribromophenol (S)	330	10.892	10.886	(0.939)	121108	79.5483	2755
* 72 Phenanthrene-d10 (IS)	188	11.598	11.597	(1.000)	484475	40.0000	
\$ 80 p-Terphenyl-d14 (S)	244	13.250	13.256	(1.143)	1035869	102.609	3553
* 84 Chrysene-d12 (IS)	240	14.362	14.368	(1.000)	690897	40.0000	
* 91 Perylene-d12 (IS)	264	15.968	15.974	(1.000)	491370	40.0000	

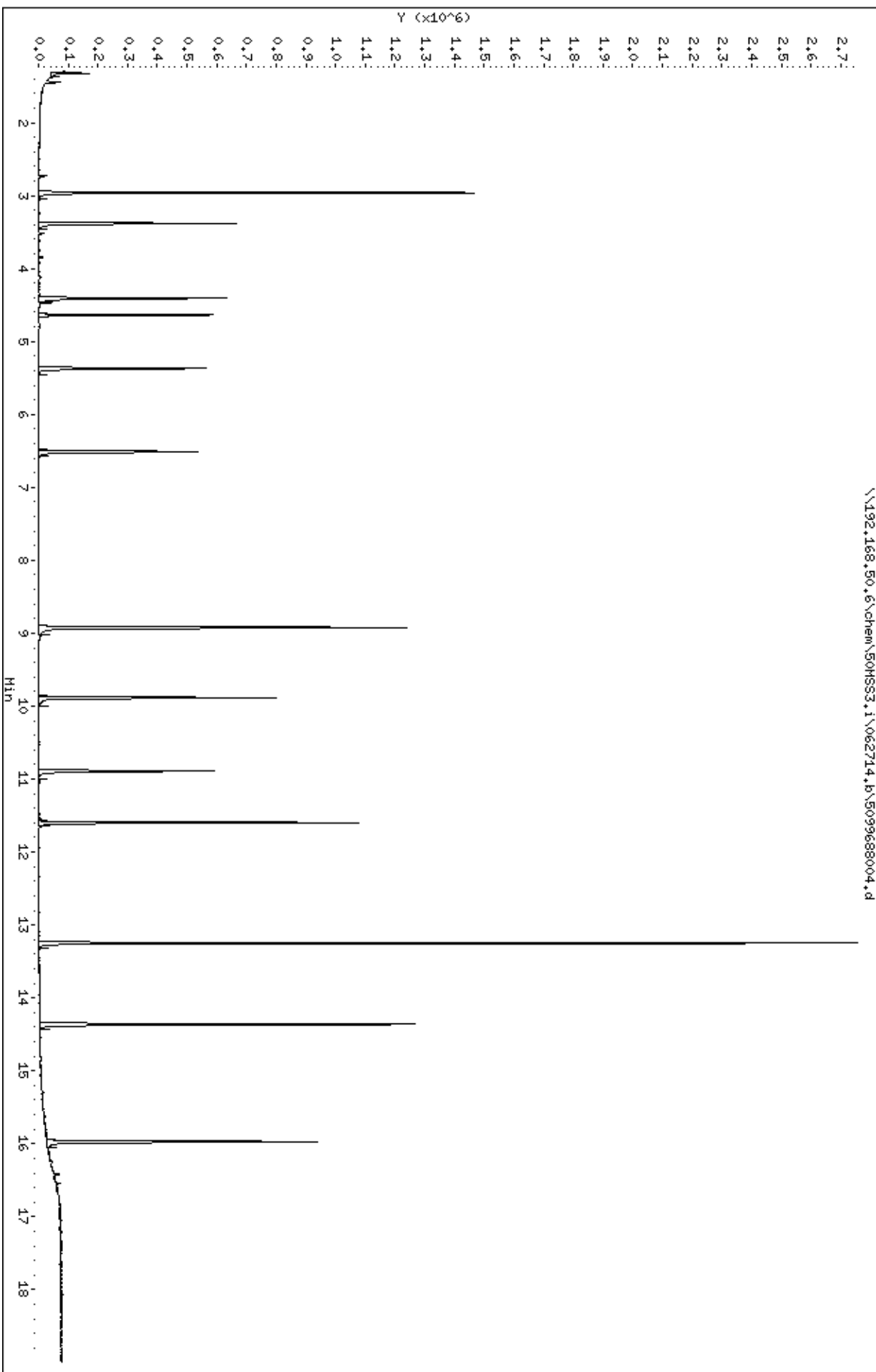
QC Flag Legend

Q - Qualifier signal failed the ratio test.

Data File: \\192.168.50.6\chem\50HSS3.1\062714.b\5099688004.d
Date: 27-JUN-2014 19:18
Client ID: TMM-4(5-7)
Sample Info: 5099688004
Volume Injected (uL): 1.0
Column phase: 50um DB-5ms

Instrument: 50HSS3.1
Operator: CEH
Column diameter: 0.25

\\192.168.50.6\chem\50HSS3.1\062714.b\5099688004.d



MSSV FULL SCAN - FORM I SVOA-1
SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

P-5(10-12)

Lab Name: Pace Analytical - Indiana
Date Received: 06/21/2014 10:54
Date Extracted: 06/25/2014 12:30
Date Analyzed: 06/27/2014 19:41
Initial wt/vol: 30.4 g Final wt/vol: 1 mL Dilution: 1

Contract: Sibley-Accucast/2339-356-03-00
Matrix: Solid SDG No.: 5099688
Lab Sample ID: 5099688005
Lab File ID: 062714.B\5099688005.D
Instrument: 50MSS3 Percent Moisture: 3.9%

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
83-32-9	Acenaphthene	ND	U
208-96-8	Acenaphthylene	ND	U
120-12-7	Anthracene	ND	U
56-55-3	Benzo(a)anthracene	ND	U
50-32-8	Benzo(a)pyrene	ND	U
205-99-2	Benzo(b)fluoranthene	ND	U
191-24-2	Benzo(g,h,i)perylene	ND	U
207-08-9	Benzo(k)fluoranthene	ND	U
100-51-6	Benzyl alcohol	ND	U
101-55-3	4-Bromophenylphenyl ether	ND	U
85-68-7	Butylbenzylphthalate	ND	U
59-50-7	4-Chloro-3-methylphenol	ND	U
106-47-8	4-Chloroaniline	ND	U
111-91-1	bis(2-Chloroethoxy)methane	ND	U
111-44-4	bis(2-Chloroethyl) ether	ND	U
108-60-1	bis(2chloro1methylethyl) ether	ND	U
91-58-7	2-Chloronaphthalene	ND	U
95-57-8	2-Chlorophenol	ND	U
7005-72-3	4-Chlorophenylphenyl ether	ND	U
218-01-9	Chrysene	ND	U
53-70-3	Dibenz(a,h)anthracene	ND	U
132-64-9	Dibenzofuran	ND	U
91-94-1	3,3'-Dichlorobenzidine	ND	U
120-83-2	2,4-Dichlorophenol	ND	U
84-66-2	Diethylphthalate	ND	U
105-67-9	2,4-Dimethylphenol	ND	U
131-11-3	Dimethylphthalate	ND	U
84-74-2	Di-n-butylphthalate	ND	U
534-52-1	4,6-Dinitro-2-methylphenol	ND	U
51-28-5	2,4-Dinitrophenol	ND	U
121-14-2	2,4-Dinitrotoluene	ND	U
606-20-2	2,6-Dinitrotoluene	ND	U
117-84-0	Di-n-octylphthalate	ND	U
117-81-7	bis(2-Ethylhexyl)phthalate	ND	U
206-44-0	Fluoranthene	ND	U
86-73-7	Fluorene	ND	U
87-68-3	Hexachloro-1,3-butadiene	ND	U

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MSSV FULL SCAN - FORM I SVOA-2
SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

P-5(10-12)

Lab Name: Pace Analytical - Indiana
Date Received: 06/21/2014 10:54
Date Extracted: 06/25/2014 12:30
Date Analyzed: 06/27/2014 19:41
Initial wt/vol: 30.4 g Final wt/vol: 1 mL Dilution: 1

Contract: Sibley-Accucast/2339-356-03-00
Matrix: Solid SDG No.: 5099688
Lab Sample ID: 5099688005
Lab File ID: 062714.B\5099688005.D
Instrument: 50MSS3 Percent Moisture: 3.9%

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
118-74-1	Hexachlorobenzene	ND	U
77-47-4	Hexachlorocyclopentadiene	ND	U
67-72-1	Hexachloroethane	ND	U
193-39-5	Indeno(1,2,3-cd)pyrene	ND	U
78-59-1	Isophorone	ND	U
91-57-6	2-Methylnaphthalene	ND	U
95-48-7	2-Methylphenol(o-Cresol)	ND	U
	3&4-Methylphenol(m&p Cresol)	ND	U
91-20-3	Naphthalene	ND	U
88-74-4	2-Nitroaniline	ND	U
99-09-2	3-Nitroaniline	ND	U
100-01-6	4-Nitroaniline	ND	U
98-95-3	Nitrobenzene	ND	U
88-75-5	2-Nitrophenol	ND	U
100-02-7	4-Nitrophenol	ND	U
621-64-7	N-Nitroso-di-n-propylamine	ND	U
86-30-6	N-Nitrosodiphenylamine	ND	U
87-86-5	Pentachlorophenol	ND	U
85-01-8	Phenanthrene	ND	U
108-95-2	Phenol	ND	U
129-00-0	Pyrene	ND	U
95-95-4	2,4,5-Trichlorophenol	ND	U
88-06-2	2,4,6-Trichlorophenol	ND	U

07/21/2014 8:54

Pace Analytical Services, Inc.

Semivolatile REPORT SW-846 Method 8270/EPA 625

Data file : \\192.168.50.6\chem\50MSS3.i\062714.b\5099688005.d
 Lab Smp Id: 5099688005 Client Smp ID: P-5(10-12)
 Inj Date : 27-JUN-2014 19:41
 Operator : CEM Inst ID: 50MSS3.i
 Smp Info : 5099688005
 Misc Info : 15583
 Comment :
 Method : \\192.168.50.6\chem\50MSS3.i\062714.b\8270c.m
 Meth Date : 30-Jun-2014 13:19 50MSS3.i Quant Type: ISTD
 Cal Date : 10-JUN-2014 12:11 Cal File: 100ppm.d
 Als bottle: 19
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: most.sub
 Target Version: 4.14
 Processing Host: 50-SVOA-SN

Concentration Formula: Amt * DF * Uf * Vt / (Vi * Ws * (100 - M) / 100) * CpndV

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vt	1000.000	Volume of final extract (uL)
Vi	1.000	Volume Injected (uL)
Ws	30.400	Weight of sample extracted (g)
M	3.853	% Moisture
Cpnd Variable		Local Compound Variable

Compounds	QUANT	SIG	CONCENTRATIONS				
			ON-COLUMN	FINAL			
	MASS	RT	EXP RT	REL RT	RESPONSE	(ug/ml)	(ug/Kg)
\$ 3 2-Fluorophenol (S)	112	3.386	3.380	(0.730)	233002	76.7023	2624
\$ 7 Phenol-d5 (S)	99	4.410	4.404	(0.951)	298440	79.0144	2703
* 11 1,4-Dichlorobenzene-d4 (IS)	152	4.639	4.633	(1.000)	105777	40.0000	(Q)
\$ 23 Nitrobenzene-d5 (S)	82	5.368	5.368	(0.824)	234785	76.2817	2610
* 32 Naphthalene-d8 (IS)	136	6.515	6.515	(1.000)	421738	40.0000	
\$ 44 2-Fluorobiphenyl (S)	172	8.927	8.927	(0.903)	645018	77.4692	2650
* 53 Acenaphthene-d10 (IS)	164	9.886	9.886	(1.000)	256754	40.0000	
\$ 67 2,4,6-Tribromophenol (S)	330	10.892	10.886	(0.939)	124551	79.4566	2718
* 72 Phenanthrene-d10 (IS)	188	11.597	11.597	(1.000)	498823	40.0000	
\$ 80 p-Terphenyl-d14 (S)	244	13.250	13.256	(1.143)	1124224	108.158	3700
* 84 Chrysene-d12 (IS)	240	14.368	14.368	(1.000)	715674	40.0000	
* 91 Perylene-d12 (IS)	264	15.974	15.974	(1.000)	487138	40.0000	

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Date: 27-JUN-2014 19:41

Client ID: P-5(10-12)

Sample Info: 5099688005

Volume Injected (uL): 1.0

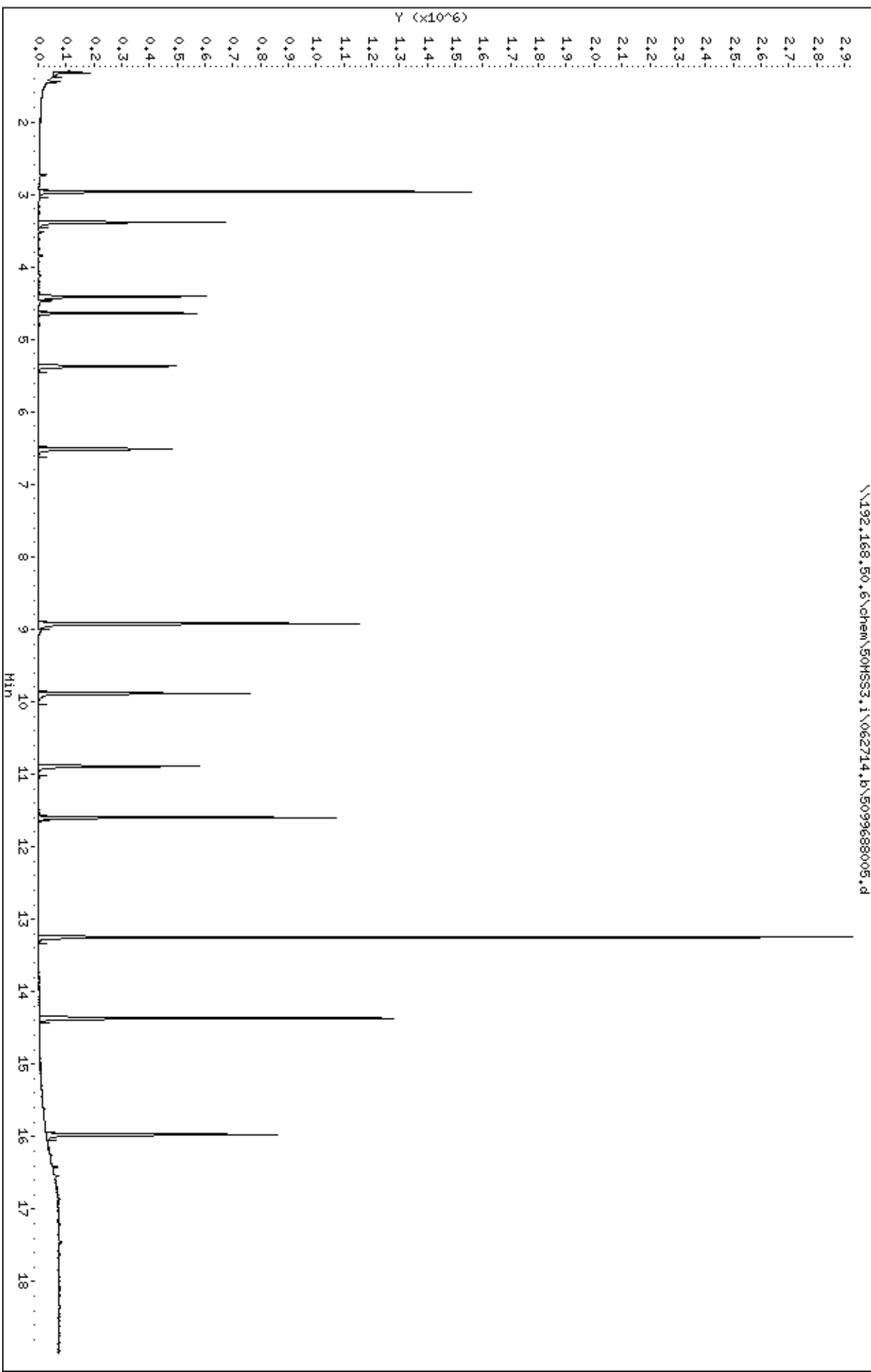
Column phase: 50um DB-5ms

Instrument: 50HSS3.1

Operator: CEH

Column diameter: 0.25

\\192.168.50.6\chem\50HSS3.1\062714.b\5099688005.d



MSSV FULL SCAN - FORM I SVOA-1
SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

P-5(2-4)

Lab Name: Pace Analytical - Indiana
Date Received: 06/21/2014 10:54
Date Extracted: 06/25/2014 12:30
Date Analyzed: 06/27/2014 20:04
Initial wt/vol: 30.1 g Final wt/vol: 1 mL Dilution: 1

Contract: Sibley-Accucast/2339-356-03-00
Matrix: Solid SDG No.: 5099688
Lab Sample ID: 5099688006
Lab File ID: 062714.B\5099688006.D
Instrument: 50MSS3 Percent Moisture: 4.3%

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
83-32-9	Acenaphthene	ND	U
208-96-8	Acenaphthylene	ND	U
120-12-7	Anthracene	ND	U
56-55-3	Benzo(a)anthracene	ND	U
50-32-8	Benzo(a)pyrene	ND	U
205-99-2	Benzo(b)fluoranthene	ND	U
191-24-2	Benzo(g,h,i)perylene	ND	U
207-08-9	Benzo(k)fluoranthene	ND	U
100-51-6	Benzyl alcohol	ND	U
101-55-3	4-Bromophenylphenyl ether	ND	U
85-68-7	Butylbenzylphthalate	ND	U
59-50-7	4-Chloro-3-methylphenol	ND	U
106-47-8	4-Chloroaniline	ND	U
111-91-1	bis(2-Chloroethoxy)methane	ND	U
111-44-4	bis(2-Chloroethyl) ether	ND	U
108-60-1	bis(2chloro1methylethyl) ether	ND	U
91-58-7	2-Chloronaphthalene	ND	U
95-57-8	2-Chlorophenol	ND	U
7005-72-3	4-Chlorophenylphenyl ether	ND	U
218-01-9	Chrysene	ND	U
53-70-3	Dibenz(a,h)anthracene	ND	U
132-64-9	Dibenzofuran	ND	U
91-94-1	3,3'-Dichlorobenzidine	ND	U
120-83-2	2,4-Dichlorophenol	ND	U
84-66-2	Diethylphthalate	ND	U
105-67-9	2,4-Dimethylphenol	ND	U
131-11-3	Dimethylphthalate	ND	U
84-74-2	Di-n-butylphthalate	ND	U
534-52-1	4,6-Dinitro-2-methylphenol	ND	U
51-28-5	2,4-Dinitrophenol	ND	U
121-14-2	2,4-Dinitrotoluene	ND	U
606-20-2	2,6-Dinitrotoluene	ND	U
117-84-0	Di-n-octylphthalate	ND	U
117-81-7	bis(2-Ethylhexyl)phthalate	ND	U
206-44-0	Fluoranthene	ND	U
86-73-7	Fluorene	ND	U
87-68-3	Hexachloro-1,3-butadiene	ND	U

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MSSV FULL SCAN - FORM I SVOA-2
SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

P-5(2-4)

Lab Name: Pace Analytical - Indiana
Date Received: 06/21/2014 10:54
Date Extracted: 06/25/2014 12:30
Date Analyzed: 06/27/2014 20:04
Initial wt/vol: 30.1 g Final wt/vol: 1 mL Dilution: 1

Contract: Sibley-Accucast/2339-356-03-00
Matrix: Solid SDG No.: 5099688
Lab Sample ID: 5099688006
Lab File ID: 062714.B\5099688006.D
Instrument: 50MSS3 Percent Moisture: 4.3%

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
118-74-1	Hexachlorobenzene	ND	U
77-47-4	Hexachlorocyclopentadiene	ND	U
67-72-1	Hexachloroethane	ND	U
193-39-5	Indeno(1,2,3-cd)pyrene	ND	U
78-59-1	Isophorone	ND	U
91-57-6	2-Methylnaphthalene	ND	U
95-48-7	2-Methylphenol(o-Cresol)	ND	U
	3&4-Methylphenol(m&p Cresol)	ND	U
91-20-3	Naphthalene	ND	U
88-74-4	2-Nitroaniline	ND	U
99-09-2	3-Nitroaniline	ND	U
100-01-6	4-Nitroaniline	ND	U
98-95-3	Nitrobenzene	ND	U
88-75-5	2-Nitrophenol	ND	U
100-02-7	4-Nitrophenol	ND	U
621-64-7	N-Nitroso-di-n-propylamine	ND	U
86-30-6	N-Nitrosodiphenylamine	ND	U
87-86-5	Pentachlorophenol	ND	U
85-01-8	Phenanthrene	ND	U
108-95-2	Phenol	ND	U
129-00-0	Pyrene	ND	U
95-95-4	2,4,5-Trichlorophenol	ND	U
88-06-2	2,4,6-Trichlorophenol	ND	U

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Pace Analytical Services, Inc.

Semivolatile REPORT SW-846 Method 8270/EPA 625

Data file : \\192.168.50.6\chem\50MSS3.i\062714.b\5099688006.d
 Lab Smp Id: 5099688006 Client Smp ID: P-5(2-4)
 Inj Date : 27-JUN-2014 20:04
 Operator : CEM Inst ID: 50MSS3.i
 Smp Info : 5099688006
 Misc Info : 15583
 Comment :
 Method : \\192.168.50.6\chem\50MSS3.i\062714.b\8270c.m
 Meth Date : 30-Jun-2014 13:19 50MSS3.i Quant Type: ISTD
 Cal Date : 10-JUN-2014 12:11 Cal File: 100ppm.d
 Als bottle: 20
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: most.sub
 Target Version: 4.14
 Processing Host: 50-SVOA-SN

Concentration Formula: Amt * DF * Uf * Vt / (Vi * Ws * (100 - M) / 100) * CpndV

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vt	1000.000	Volume of final extract (uL)
Vi	1.000	Volume Injected (uL)
Ws	30.100	Weight of sample extracted (g)
M	4.310	% Moisture
Cpnd Variable		Local Compound Variable

Compounds	QUANT	SIG	CONCENTRATIONS				
			ON-COLUMN	FINAL			
	MASS	RT	EXP RT	REL RT	RESPONSE	(ug/ml)	(ug/Kg)
\$ 3 2-Fluorophenol (S)	112	3.380	3.380	(0.730)	232640	72.9284	2532
\$ 7 Phenol-d5 (S)	99	4.404	4.404	(0.950)	300873	75.8570	2634
* 11 1,4-Dichlorobenzene-d4 (IS)	152	4.633	4.633	(1.000)	111078	40.0000	(Q)
\$ 23 Nitrobenzene-d5 (S)	82	5.369	5.368	(0.824)	231890	70.9496	2463
* 32 Naphthalene-d8 (IS)	136	6.516	6.515	(1.000)	447842	40.0000	
\$ 44 2-Fluorobiphenyl (S)	172	8.921	8.927	(0.902)	670119	74.9664	2603
* 53 Acenaphthene-d10 (IS)	164	9.886	9.886	(1.000)	275651	40.0000	
\$ 67 2,4,6-Tribromophenol (S)	330	10.886	10.886	(0.939)	124975	78.7764	2735
* 72 Phenanthrene-d10 (IS)	188	11.598	11.597	(1.000)	504843	40.0000	
\$ 80 p-Terphenyl-d14 (S)	244	13.250	13.256	(1.143)	1080421	102.704	3566
* 84 Chrysene-d12 (IS)	240	14.362	14.368	(1.000)	711533	40.0000	
* 91 Perylene-d12 (IS)	264	15.974	15.974	(1.000)	483800	40.0000	

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Date: 27-JUN-2014 20:04

Client ID: P-5(2-4)

Sample Info: 5099688006

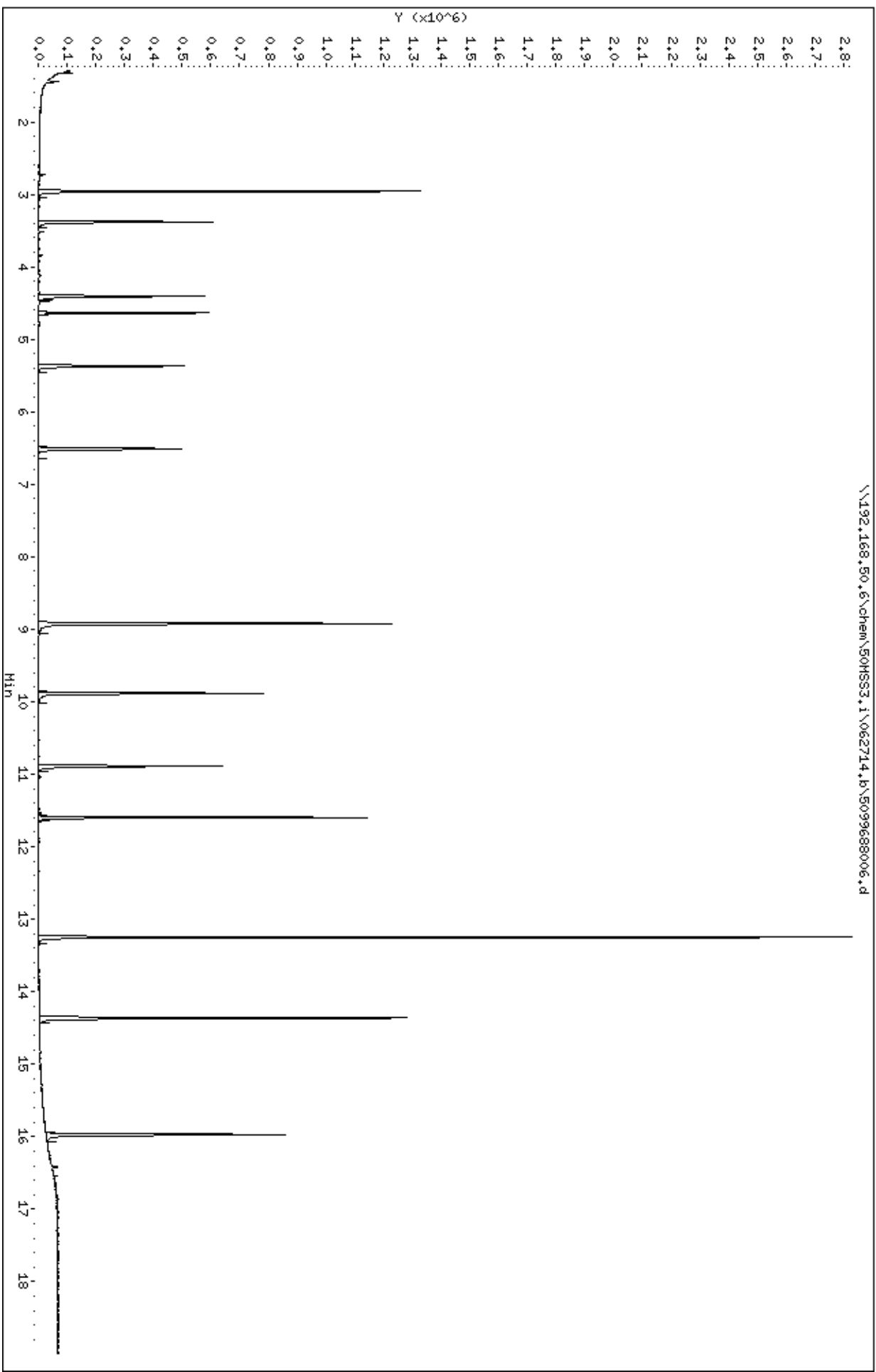
Volume Injected (uL): 1.0

Column phase: 50um DB-5ms

Instrument: 50HSS3.1

Operator: CEH

Column diameter: 0.25



MSSV FULL SCAN - FORM I SVOA-1
SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TMW-6(14-16)

Lab Name: Pace Analytical - Indiana
Date Received: 06/21/2014 10:54
Date Extracted: 06/25/2014 12:30
Date Analyzed: 06/27/2014 20:28
Initial wt/vol: 30.3 g Final wt/vol: 1 mL Dilution: 1

Contract: Sibley-Accucast/2339-356-03-00
Matrix: Solid SDG No.: 5099688
Lab Sample ID: 5099688007
Lab File ID: 062714.B\5099688007.D
Instrument: 50MSS3 Percent Moisture: 9.1%

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
83-32-9	Acenaphthene	ND	U
208-96-8	Acenaphthylene	ND	U
120-12-7	Anthracene	ND	U
56-55-3	Benzo(a)anthracene	ND	U
50-32-8	Benzo(a)pyrene	ND	U
205-99-2	Benzo(b)fluoranthene	ND	U
191-24-2	Benzo(g,h,i)perylene	ND	U
207-08-9	Benzo(k)fluoranthene	ND	U
100-51-6	Benzyl alcohol	ND	U
101-55-3	4-Bromophenylphenyl ether	ND	U
85-68-7	Butylbenzylphthalate	ND	U
59-50-7	4-Chloro-3-methylphenol	ND	U
106-47-8	4-Chloroaniline	ND	U
111-91-1	bis(2-Chloroethoxy)methane	ND	U
111-44-4	bis(2-Chloroethyl) ether	ND	U
108-60-1	bis(2chloro1methylethyl) ether	ND	U
91-58-7	2-Chloronaphthalene	ND	U
95-57-8	2-Chlorophenol	ND	U
7005-72-3	4-Chlorophenylphenyl ether	ND	U
218-01-9	Chrysene	ND	U
53-70-3	Dibenz(a,h)anthracene	ND	U
132-64-9	Dibenzofuran	ND	U
91-94-1	3,3'-Dichlorobenzidine	ND	U
120-83-2	2,4-Dichlorophenol	ND	U
84-66-2	Diethylphthalate	ND	U
105-67-9	2,4-Dimethylphenol	ND	U
131-11-3	Dimethylphthalate	ND	U
84-74-2	Di-n-butylphthalate	ND	U
534-52-1	4,6-Dinitro-2-methylphenol	ND	U
51-28-5	2,4-Dinitrophenol	ND	U
121-14-2	2,4-Dinitrotoluene	ND	U
606-20-2	2,6-Dinitrotoluene	ND	U
117-84-0	Di-n-octylphthalate	ND	U
117-81-7	bis(2-Ethylhexyl)phthalate	ND	U
206-44-0	Fluoranthene	ND	U
86-73-7	Fluorene	ND	U
87-68-3	Hexachloro-1,3-butadiene	ND	U

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MSSV FULL SCAN - FORM I SVOA-2
SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TMW-6(14-16)

Lab Name: Pace Analytical - Indiana
Date Received: 06/21/2014 10:54
Date Extracted: 06/25/2014 12:30
Date Analyzed: 06/27/2014 20:28
Initial wt/vol: 30.3 g Final wt/vol: 1 mL Dilution: 1

Contract: Sibley-Accucast/2339-356-03-00
Matrix: Solid SDG No.: 5099688
Lab Sample ID: 5099688007
Lab File ID: 062714.B\5099688007.D
Instrument: 50MSS3 Percent Moisture: 9.1%

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
118-74-1	Hexachlorobenzene	ND	U
77-47-4	Hexachlorocyclopentadiene	ND	U
67-72-1	Hexachloroethane	ND	U
193-39-5	Indeno(1,2,3-cd)pyrene	ND	U
78-59-1	Isophorone	ND	U
91-57-6	2-Methylnaphthalene	ND	U
95-48-7	2-Methylphenol(o-Cresol)	ND	U
	3&4-Methylphenol(m&p Cresol)	ND	U
91-20-3	Naphthalene	ND	U
88-74-4	2-Nitroaniline	ND	U
99-09-2	3-Nitroaniline	ND	U
100-01-6	4-Nitroaniline	ND	U
98-95-3	Nitrobenzene	ND	U
88-75-5	2-Nitrophenol	ND	U
100-02-7	4-Nitrophenol	ND	U
621-64-7	N-Nitroso-di-n-propylamine	ND	U
86-30-6	N-Nitrosodiphenylamine	ND	U
87-86-5	Pentachlorophenol	ND	U
85-01-8	Phenanthrene	ND	U
108-95-2	Phenol	ND	U
129-00-0	Pyrene	ND	U
95-95-4	2,4,5-Trichlorophenol	ND	U
88-06-2	2,4,6-Trichlorophenol	ND	U

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Pace Analytical Services, Inc.

Semivolatile REPORT SW-846 Method 8270/EPA 625

Data file : \\192.168.50.6\chem\50MSS3.i\062714.b\5099688007.d
 Lab Smp Id: 5099688007 Client Smp ID: TMW-6(14-16)
 Inj Date : 27-JUN-2014 20:28
 Operator : CEM Inst ID: 50MSS3.i
 Smp Info : 5099688007
 Misc Info : 15583
 Comment :
 Method : \\192.168.50.6\chem\50MSS3.i\062714.b\8270c.m
 Meth Date : 30-Jun-2014 13:19 50MSS3.i Quant Type: ISTD
 Cal Date : 10-JUN-2014 12:11 Cal File: 100ppm.d
 Als bottle: 21
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: most.sub
 Target Version: 4.14
 Processing Host: 50-SVOA-SN

Concentration Formula: Amt * DF * Uf * Vt / (Vi * Ws * (100 - M) / 100) * CpndV

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vt	1000.000	Volume of final extract (uL)
Vi	1.000	Volume Injected (uL)
Ws	30.300	Weight of sample extracted (g)
M	9.078	% Moisture
Cpnd Variable		Local Compound Variable

Compounds	QUANT	SIG	CONCENTRATIONS				
			ON-COLUMN	FINAL			
	MASS	RT	EXP RT	REL RT	RESPONSE	(ug/ml)	(ug/Kg)
\$ 3 2-Fluorophenol (S)	112	3.386	3.380	(0.730)	234791	75.5416	2742
\$ 7 Phenol-d5 (S)	99	4.410	4.404	(0.951)	293229	75.8773	2754
* 11 1,4-Dichlorobenzene-d4 (IS)	152	4.639	4.633	(1.000)	108227	40.0000	(Q)
\$ 23 Nitrobenzene-d5 (S)	82	5.369	5.368	(0.824)	231303	74.5183	2705
* 32 Naphthalene-d8 (IS)	136	6.516	6.515	(1.000)	425315	40.0000	
\$ 44 2-Fluorobiphenyl (S)	172	8.927	8.927	(0.903)	615775	72.1701	2620
* 53 Acenaphthene-d10 (IS)	164	9.886	9.886	(1.000)	263111	40.0000	
\$ 67 2,4,6-Tribromophenol (S)	330	10.886	10.886	(0.939)	125256	78.7610	2859
* 72 Phenanthrene-d10 (IS)	188	11.598	11.597	(1.000)	506077	40.0000	
\$ 80 p-Terphenyl-d14 (S)	244	13.250	13.256	(1.143)	980748	93.0018	3376
* 84 Chrysene-d12 (IS)	240	14.362	14.368	(1.000)	723442	40.0000	
* 91 Perylene-d12 (IS)	264	15.968	15.974	(1.000)	495948	40.0000	

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Date: 27-JUN-2014 20:28

Client ID: TMU-6(14-16)

Sample Info: 5099688007

Volume Injected (uL): 1.0

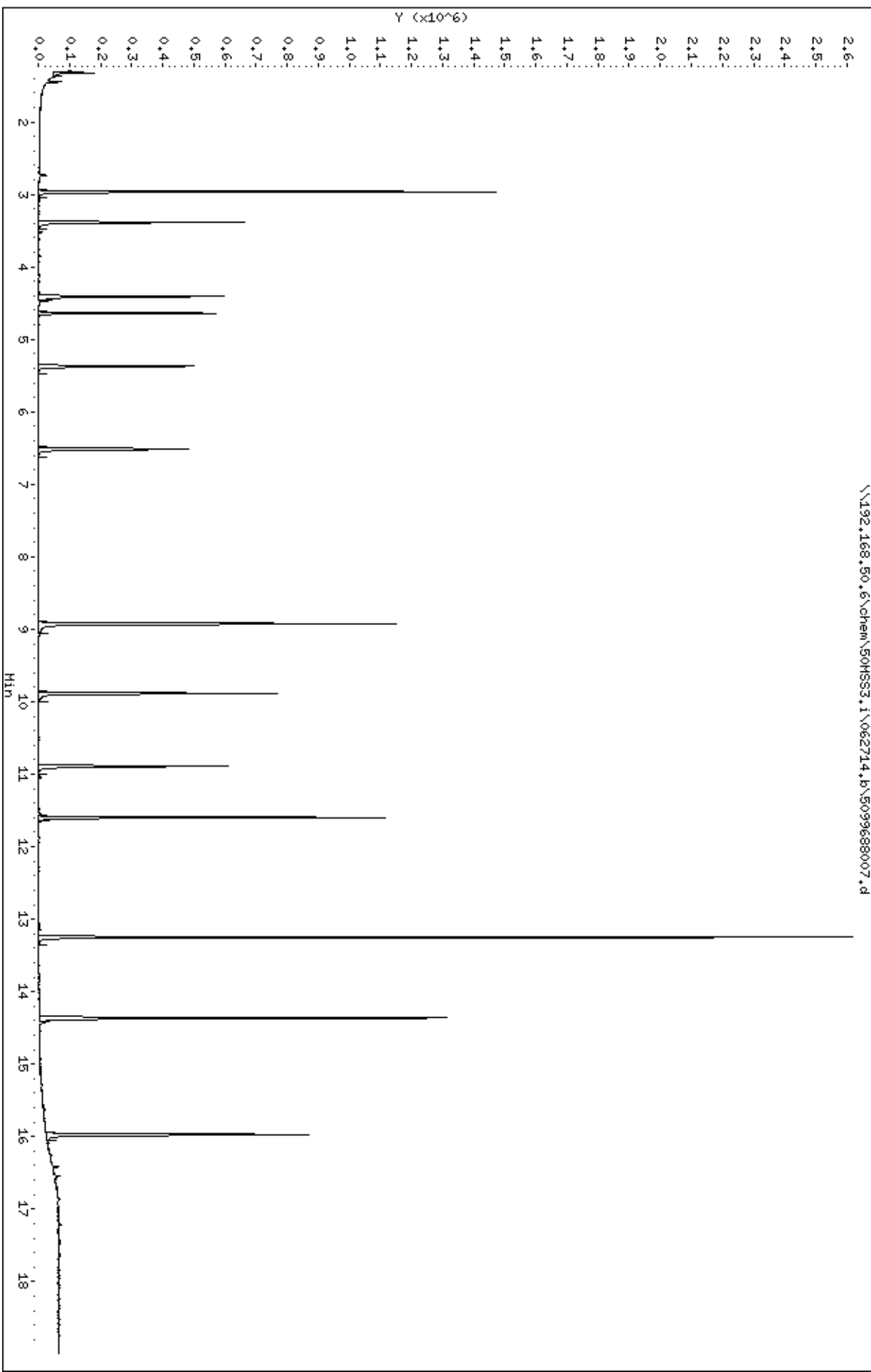
Column phase: 50um DB-5ms

Instrument: 50HSS3.1

Operator: CEH

Column diameter: 0.25

\\192.168.50.6\chem\50HSS3.1\062714.b\5099688007.d



MSSV FULL SCAN - FORM I SVOA-1
SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TMW-6(2-4)

Lab Name: Pace Analytical - Indiana
Date Received: 06/21/2014 10:54
Date Extracted: 06/25/2014 12:30
Date Analyzed: 06/27/2014 20:51
Initial wt/vol: 30.2 g Final wt/vol: 1 mL Dilution: 1

Contract: Sibley-Accucast/2339-356-03-00
Matrix: Solid SDG No.: 5099688
Lab Sample ID: 5099688008
Lab File ID: 062714.B\5099688008.D
Instrument: 50MSS3 Percent Moisture: 12.9%

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
83-32-9	Acenaphthene	ND	U
208-96-8	Acenaphthylene	ND	U
120-12-7	Anthracene	ND	U
56-55-3	Benzo(a)anthracene	ND	U
50-32-8	Benzo(a)pyrene	ND	U
205-99-2	Benzo(b)fluoranthene	ND	U
191-24-2	Benzo(g,h,i)perylene	ND	U
207-08-9	Benzo(k)fluoranthene	ND	U
100-51-6	Benzyl alcohol	ND	U
101-55-3	4-Bromophenylphenyl ether	ND	U
85-68-7	Butylbenzylphthalate	ND	U
59-50-7	4-Chloro-3-methylphenol	ND	U
106-47-8	4-Chloroaniline	ND	U
111-91-1	bis(2-Chloroethoxy)methane	ND	U
111-44-4	bis(2-Chloroethyl) ether	ND	U
108-60-1	bis(2chloro1methylethyl) ether	ND	U
91-58-7	2-Chloronaphthalene	ND	U
95-57-8	2-Chlorophenol	ND	U
7005-72-3	4-Chlorophenylphenyl ether	ND	U
218-01-9	Chrysene	ND	U
53-70-3	Dibenz(a,h)anthracene	ND	U
132-64-9	Dibenzofuran	ND	U
91-94-1	3,3'-Dichlorobenzidine	ND	U
120-83-2	2,4-Dichlorophenol	ND	U
84-66-2	Diethylphthalate	ND	U
105-67-9	2,4-Dimethylphenol	ND	U
131-11-3	Dimethylphthalate	ND	U
84-74-2	Di-n-butylphthalate	ND	U
534-52-1	4,6-Dinitro-2-methylphenol	ND	U
51-28-5	2,4-Dinitrophenol	ND	U
121-14-2	2,4-Dinitrotoluene	ND	U
606-20-2	2,6-Dinitrotoluene	ND	U
117-84-0	Di-n-octylphthalate	ND	U
117-81-7	bis(2-Ethylhexyl)phthalate	ND	U
206-44-0	Fluoranthene	ND	U
86-73-7	Fluorene	ND	U
87-68-3	Hexachloro-1,3-butadiene	ND	U

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MSSV FULL SCAN - FORM I SVOA-2
SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TMW-6(2-4)

Lab Name: Pace Analytical - Indiana
Date Received: 06/21/2014 10:54
Date Extracted: 06/25/2014 12:30
Date Analyzed: 06/27/2014 20:51
Initial wt/vol: 30.2 g Final wt/vol: 1 mL Dilution: 1

Contract: Sibley-Accucast/2339-356-03-00
Matrix: Solid SDG No.: 5099688
Lab Sample ID: 5099688008
Lab File ID: 062714.B\5099688008.D
Instrument: 50MSS3 Percent Moisture: 12.9%

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
118-74-1	Hexachlorobenzene	ND	U
77-47-4	Hexachlorocyclopentadiene	ND	U
67-72-1	Hexachloroethane	ND	U
193-39-5	Indeno(1,2,3-cd)pyrene	ND	U
78-59-1	Isophorone	ND	U
91-57-6	2-Methylnaphthalene	ND	U
95-48-7	2-Methylphenol(o-Cresol)	ND	U
	3&4-Methylphenol(m&p Cresol)	ND	U
91-20-3	Naphthalene	ND	U
88-74-4	2-Nitroaniline	ND	U
99-09-2	3-Nitroaniline	ND	U
100-01-6	4-Nitroaniline	ND	U
98-95-3	Nitrobenzene	ND	U
88-75-5	2-Nitrophenol	ND	U
100-02-7	4-Nitrophenol	ND	U
621-64-7	N-Nitroso-di-n-propylamine	ND	U
86-30-6	N-Nitrosodiphenylamine	ND	U
87-86-5	Pentachlorophenol	ND	U
85-01-8	Phenanthrene	ND	U
108-95-2	Phenol	ND	U
129-00-0	Pyrene	ND	U
95-95-4	2,4,5-Trichlorophenol	ND	U
88-06-2	2,4,6-Trichlorophenol	ND	U

07/21/2014 8:54

Pace Analytical Services, Inc.

Semivolatile REPORT SW-846 Method 8270/EPA 625

Data file : \\192.168.50.6\chem\50MSS3.i\062714.b\5099688008.d
 Lab Smp Id: 5099688008 Client Smp ID: TMW-6(2-4)
 Inj Date : 27-JUN-2014 20:51
 Operator : CEM Inst ID: 50MSS3.i
 Smp Info : 5099688008
 Misc Info : 15583
 Comment :
 Method : \\192.168.50.6\chem\50MSS3.i\062714.b\8270c.m
 Meth Date : 30-Jun-2014 13:19 50MSS3.i Quant Type: ISTD
 Cal Date : 10-JUN-2014 12:11 Cal File: 100ppm.d
 Als bottle: 22
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: most.sub
 Target Version: 4.14
 Processing Host: 50-SVOA-SN

Concentration Formula: Amt * DF * Uf * Vt / (Vi * Ws * (100 - M) / 100) * CpndV

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vt	1000.000	Volume of final extract (uL)
Vi	1.000	Volume Injected (uL)
Ws	30.200	Weight of sample extracted (g)
M	12.856	% Moisture
Cpnd Variable		Local Compound Variable

Compounds	QUANT	SIG	CONCENTRATIONS				
			ON-COLUMN	FINAL			
	MASS	RT	EXP RT	REL RT	RESPONSE	(ug/ml)	(ug/Kg)
\$ 3 2-Fluorophenol (S)	112	3.380	3.380	(0.730)	196842	60.3290	2292
5 Benzaldehyde	77	4.186	4.174	(0.904)	830	7.26981	276.2 (QM)
\$ 7 Phenol-d5 (S)	99	4.404	4.404	(0.950)	267372	65.9059	2504
* 11 1,4-Dichlorobenzene-d4 (IS)	152	4.633	4.633	(1.000)	113614	40.0000	(Q)
\$ 23 Nitrobenzene-d5 (S)	82	5.369	5.368	(0.824)	239851	72.6553	2761
* 32 Naphthalene-d8 (IS)	136	6.516	6.515	(1.000)	452342	40.0000	
33 Naphthalene	128	6.551	6.557	(1.005)	30801	2.68989	102.2
38 2-Methylnaphthalene	142	8.151	8.145	(1.251)	17311	1.61976	61.55
\$ 44 2-Fluorobiphenyl (S)	172	8.927	8.927	(0.903)	661169	74.3927	2827
* 53 Acenaphthene-d10 (IS)	164	9.886	9.886	(1.000)	274067	40.0000	
\$ 67 2,4,6-Tribromophenol (S)	330	10.886	10.886	(0.939)	84456	52.1239	1980
* 72 Phenanthrene-d10 (IS)	188	11.598	11.597	(1.000)	515612	40.0000	
73 Phenanthrene	178	11.621	11.627	(1.002)	22301	1.57230	59.74
\$ 80 p-Terphenyl-d14 (S)	244	13.250	13.256	(1.143)	1025140	95.4137	3625
* 84 Chrysene-d12 (IS)	240	14.362	14.368	(1.000)	753366	40.0000	
* 91 Perylene-d12 (IS)	264	15.968	15.974	(1.000)	516115	40.0000	

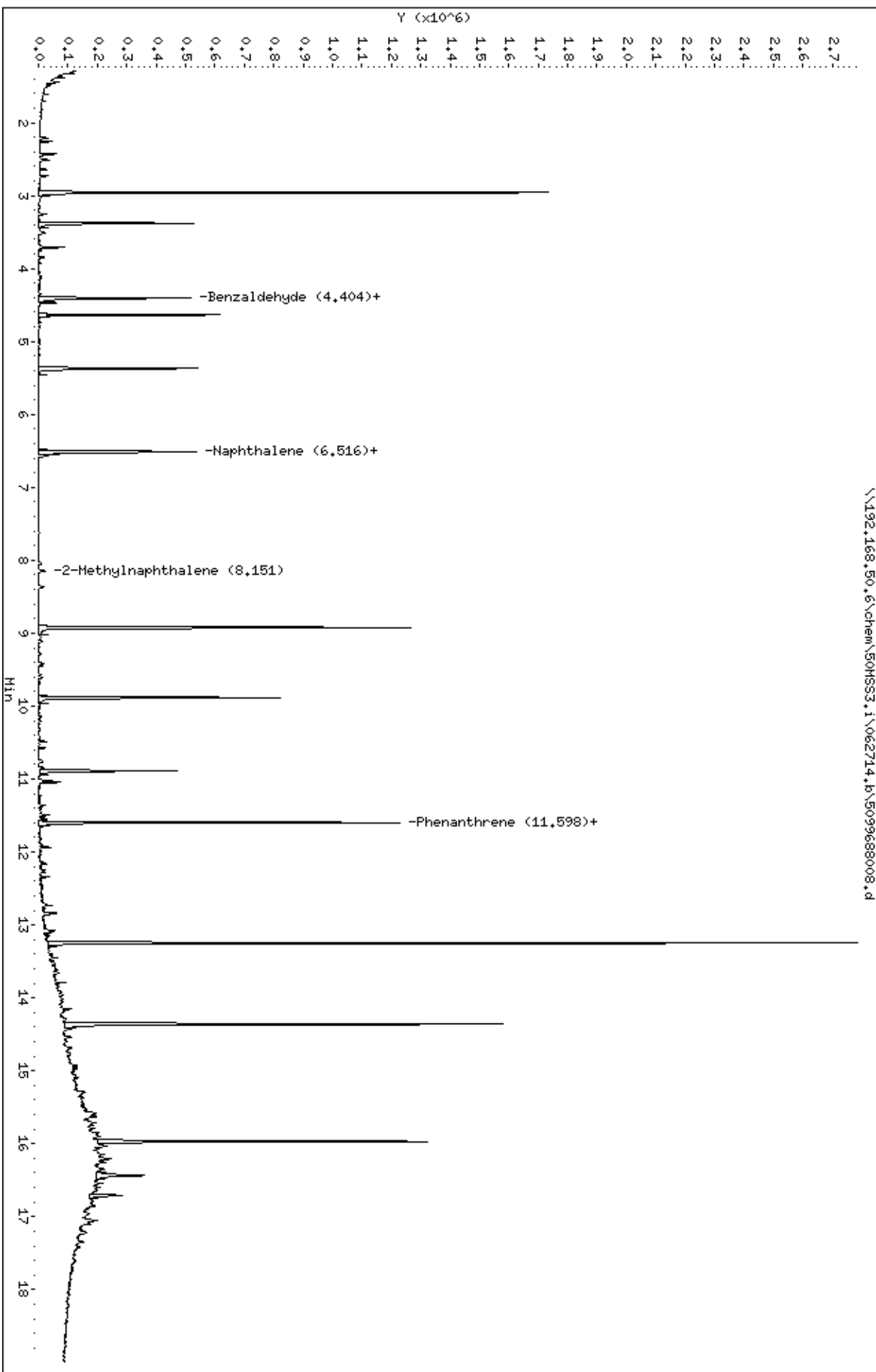
QC Flag Legend

Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.

Data File: \\192.168.50.6\chem\50HSS3.1\062714.b\5099688808.d
Date: 27-JUN-2014 20:51
Client ID: TMM-6(2-4)
Sample Info: 5099688808
Volume Injected (uL): 1.0
Column phase: 50um DB-5ms

Instrument: 50HSS3.1
Operator: CEH
Column diameter: 0.25

\\192.168.50.6\chem\50HSS3.1\062714.b\5099688808.d



Date : 27-JUN-2014 20:51

Client ID: THW-6(2-4)

Instrument: 50MSS3.i

Sample Info: 5099688008

Volume Injected (uL): 1.0

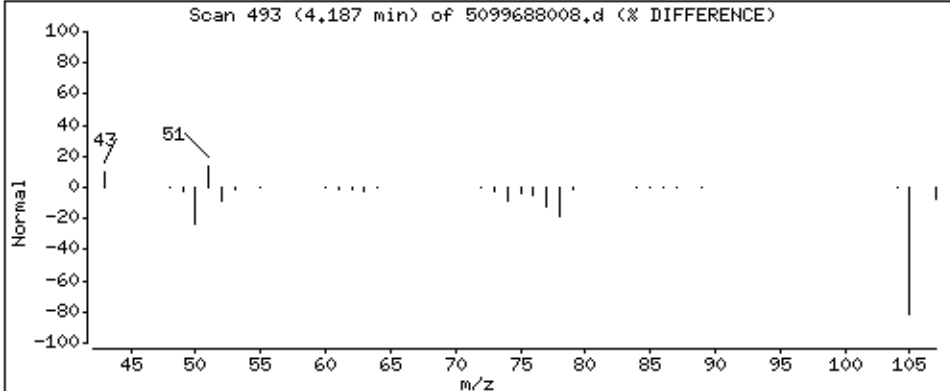
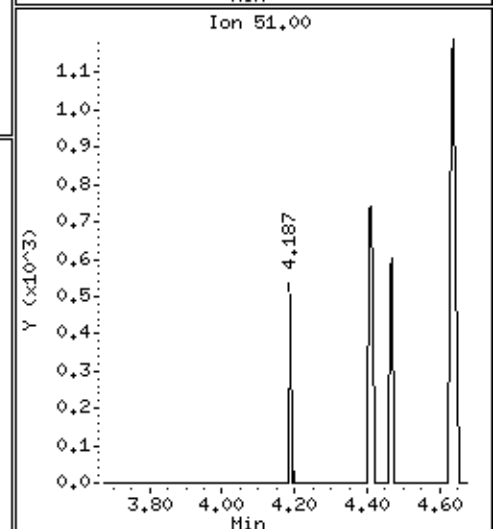
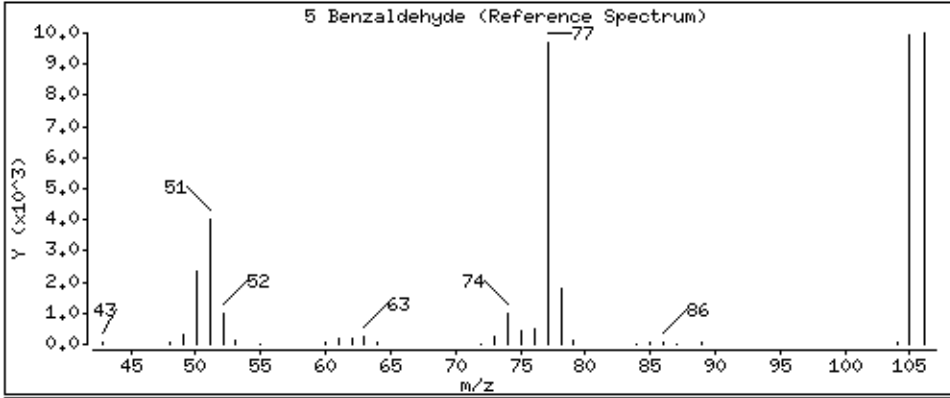
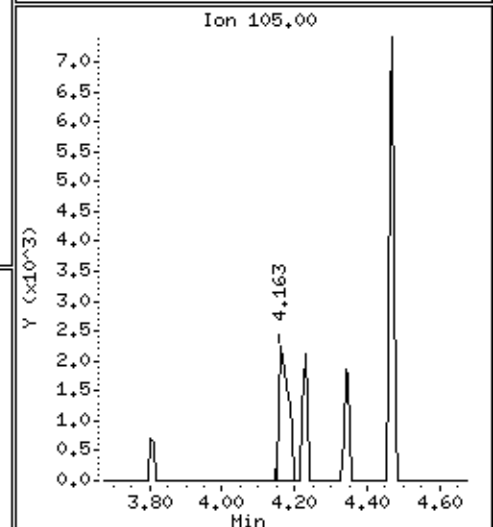
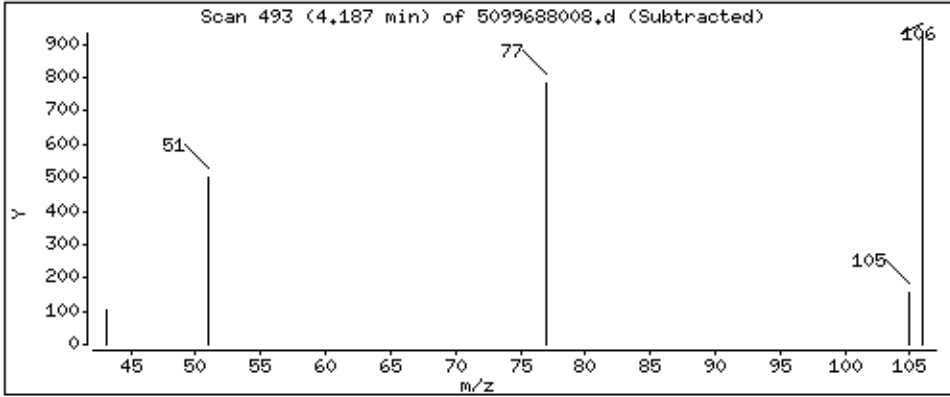
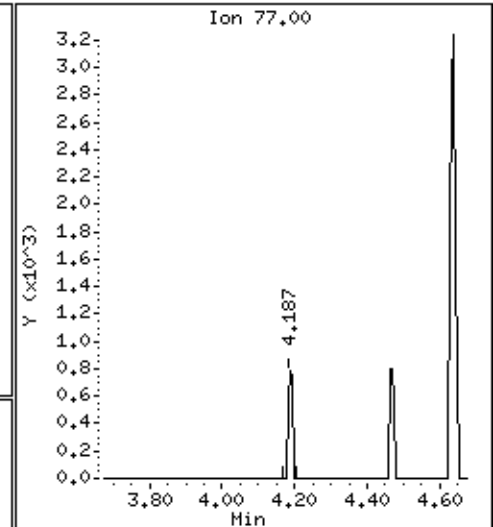
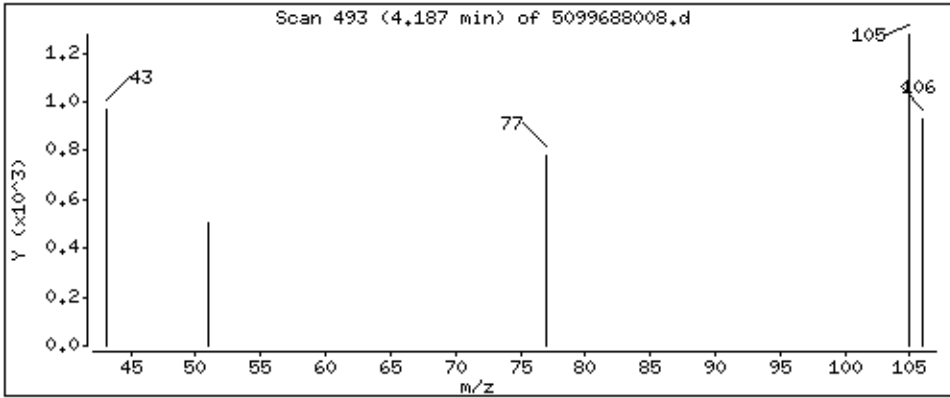
Operator: CEM

Column phase: .50um DB-5ms

Column diameter: 0,25

5 Benzaldehyde

Concentration: 276.2 ug/Kg



Date : 27-JUN-2014 20:51

Client ID: THW-6(2-4)

Instrument: 50MSS3.i

Sample Info: 5099688008

Volume Injected (uL): 1.0

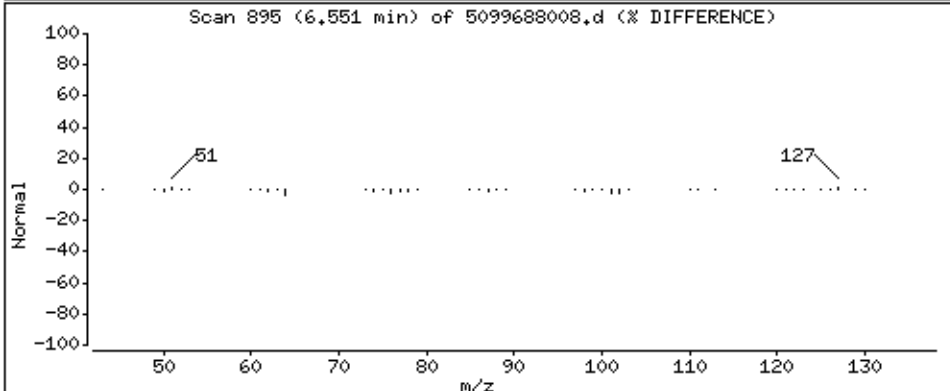
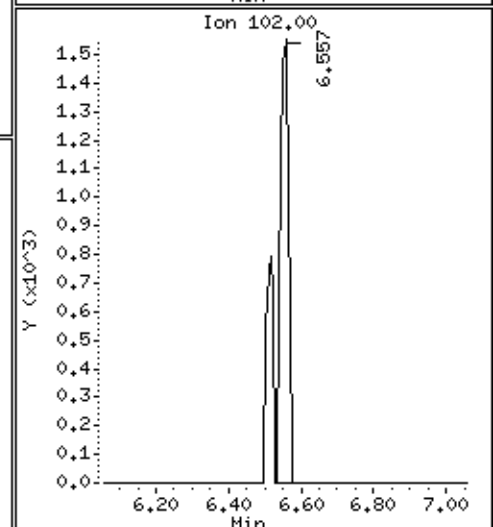
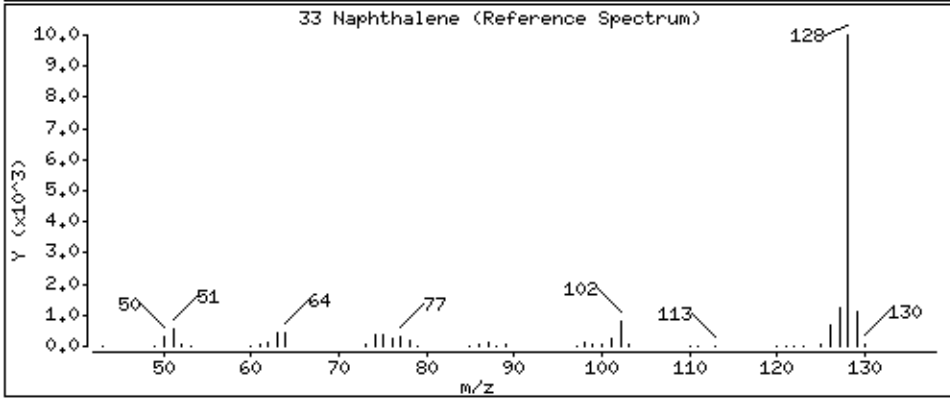
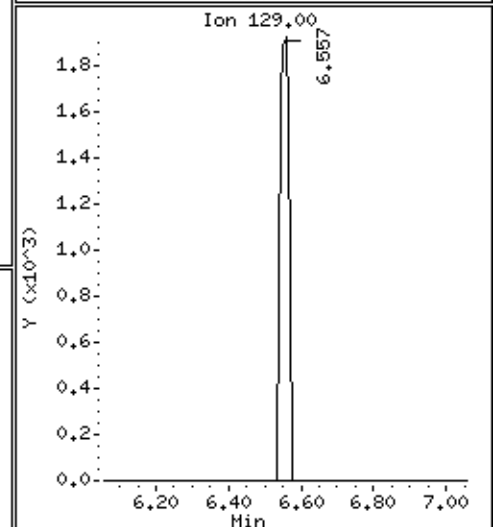
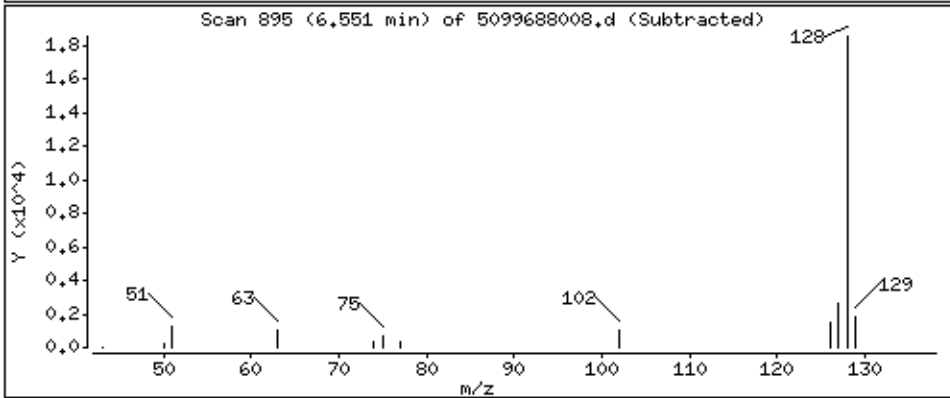
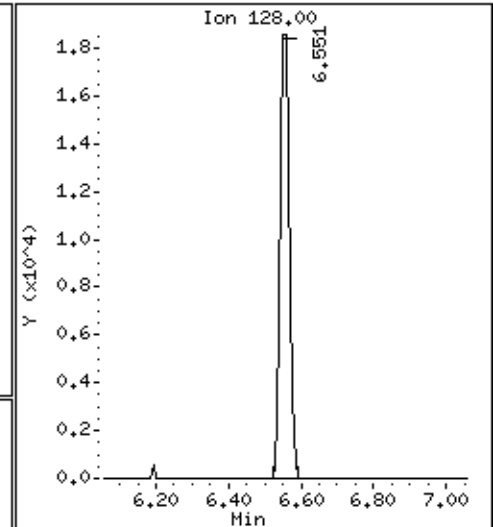
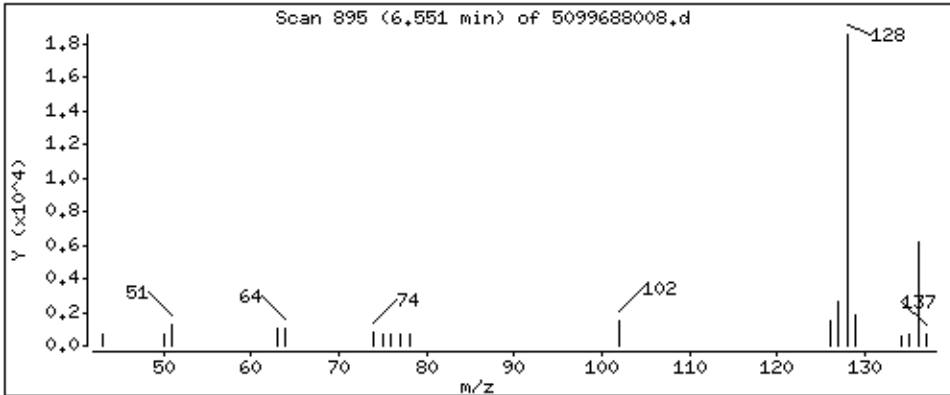
Operator: CEM

Column phase: .50um DB-5ms

Column diameter: 0,25

33 Naphthalene

Concentration: 102.2 ug/Kg



Date : 27-JUN-2014 20:51

Client ID: THW-6(2-4)

Instrument: 50MSS3.i

Sample Info: 5099688008

Volume Injected (uL): 1.0

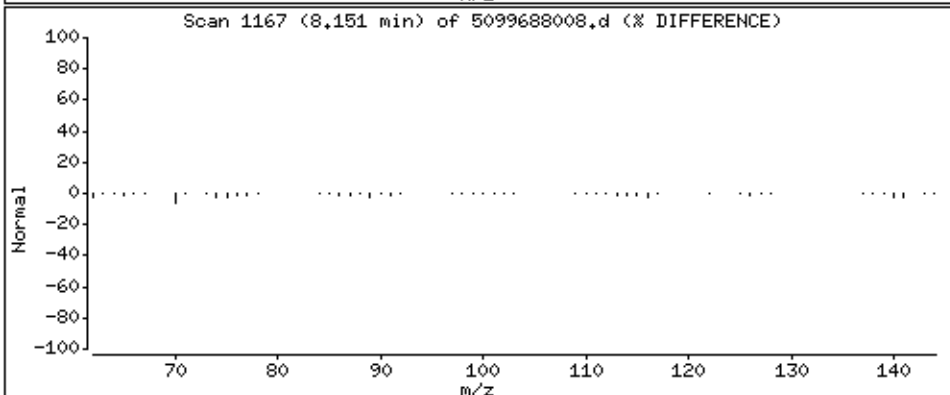
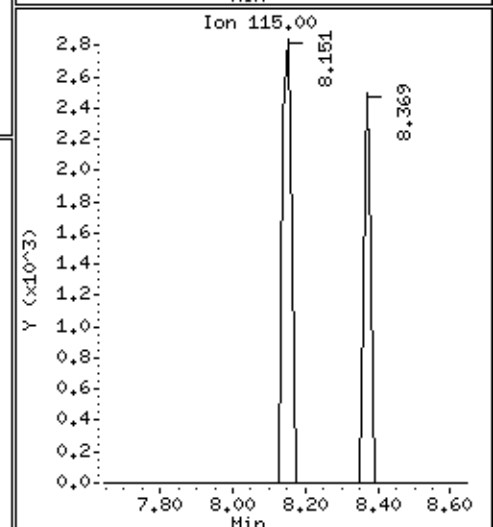
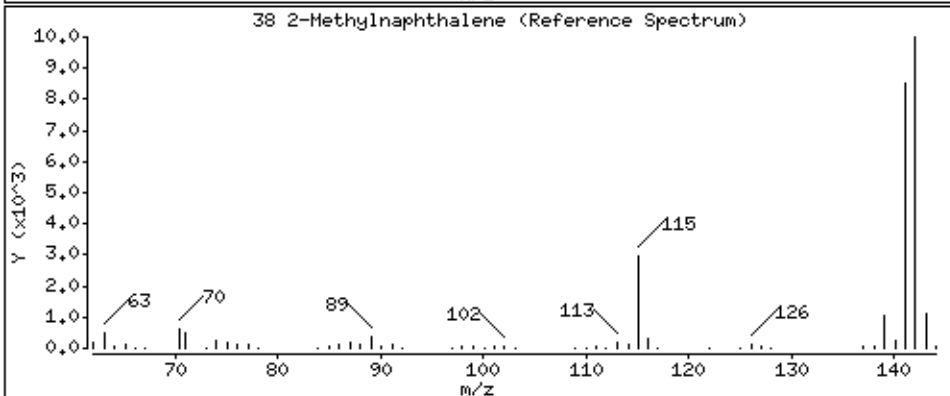
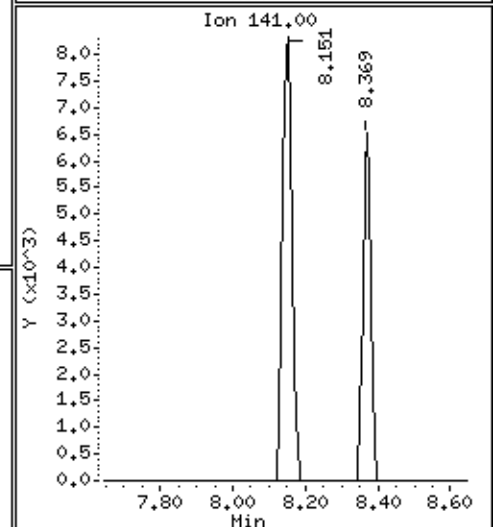
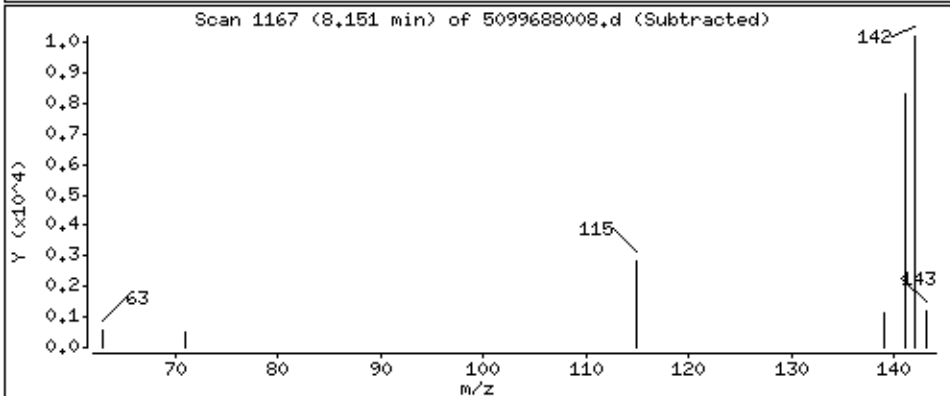
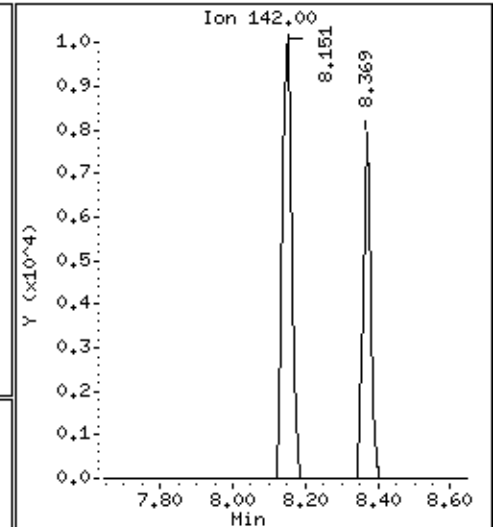
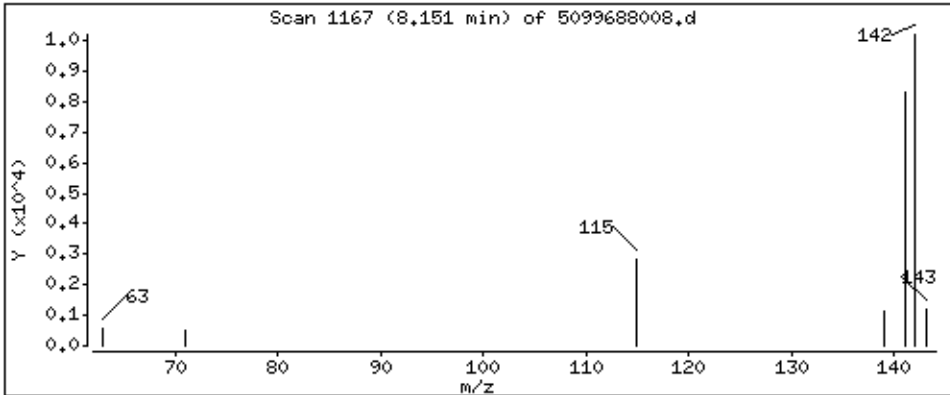
Operator: CEM

Column phase: .50um DB-5ms

Column diameter: 0,25

38 2-Methylnaphthalene

Concentration: 61.55 ug/Kg



Date : 27-JUN-2014 20:51

Client ID: THW-6(2-4)

Instrument: 50MSS3.i

Sample Info: 5099688008

Volume Injected (uL): 1.0

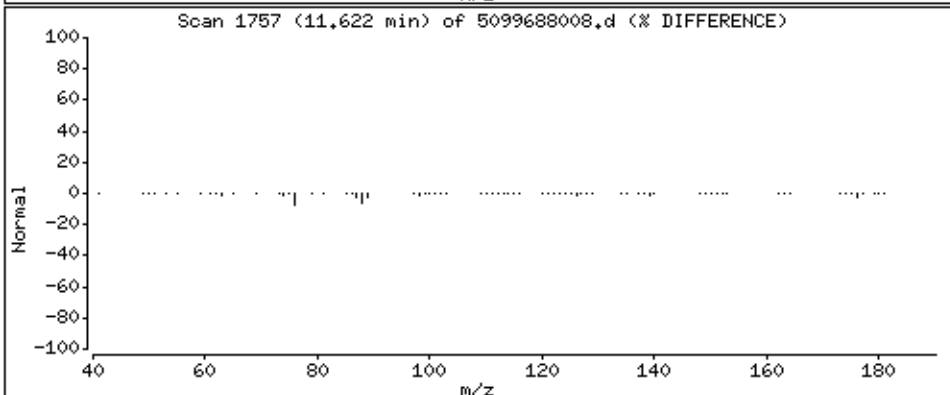
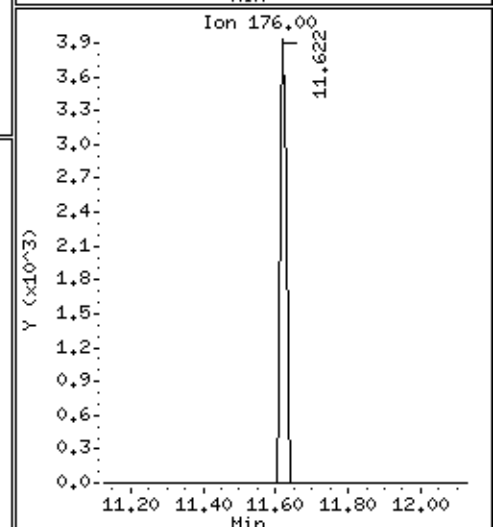
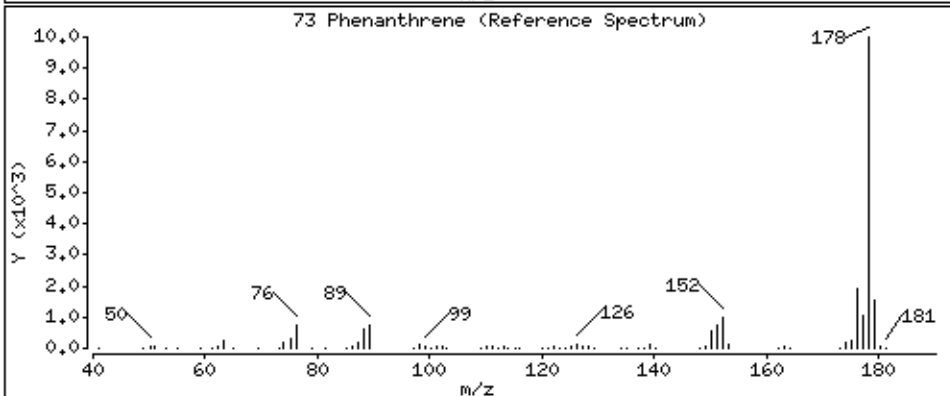
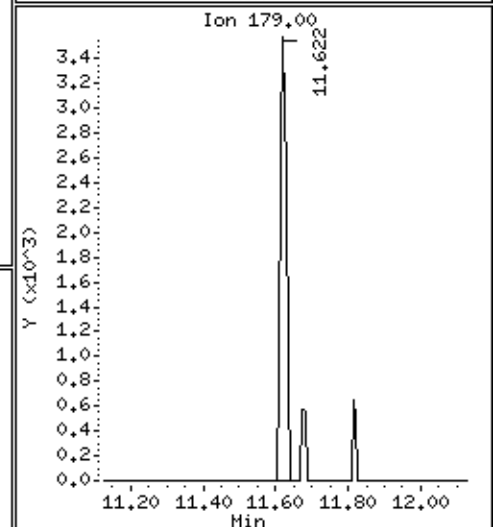
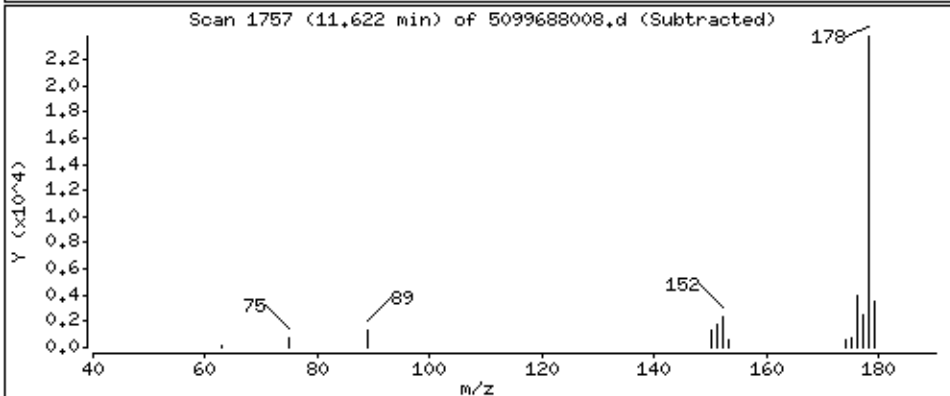
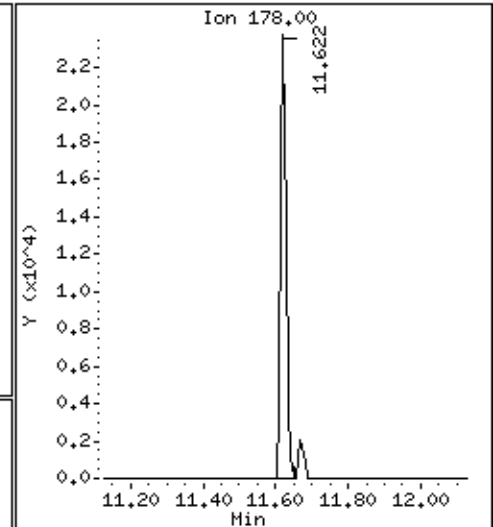
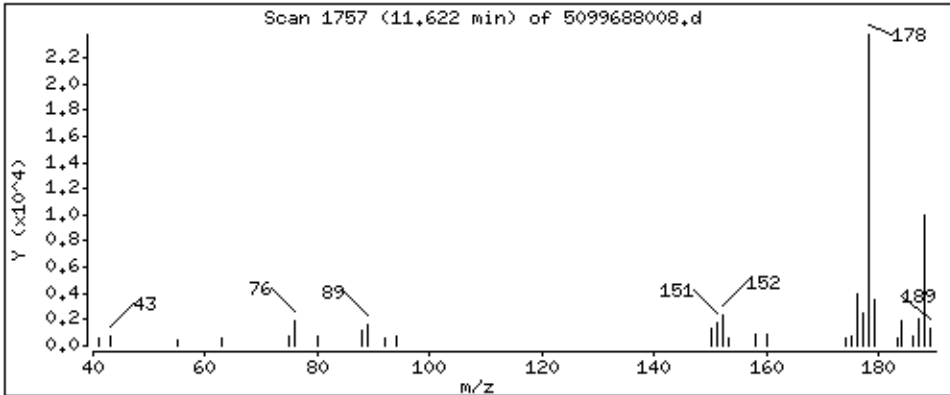
Operator: CEM

Column phase: .50um DB-5ms

Column diameter: 0,25

73 Phenanthrene

Concentration: 59,74 ug/Kg



MSSV FULL SCAN - FORM I SVOA-1
SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

P-6(10-12)

Lab Name: Pace Analytical - Indiana
Date Received: 06/21/2014 10:54
Date Extracted: 06/25/2014 12:30
Date Analyzed: 06/27/2014 22:01
Initial wt/vol: 30.1 g Final wt/vol: 1 mL Dilution: 1

Contract: Sibley-Accucast/2339-356-03-00
Matrix: Solid SDG No.: 5099688
Lab Sample ID: 5099688009
Lab File ID: 062714.B\5099688009.D
Instrument: 50MSS3 Percent Moisture: 2.9%

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
83-32-9	Acenaphthene	ND	U
208-96-8	Acenaphthylene	ND	U
120-12-7	Anthracene	ND	U
56-55-3	Benzo(a)anthracene	ND	U
50-32-8	Benzo(a)pyrene	ND	U
205-99-2	Benzo(b)fluoranthene	ND	U
191-24-2	Benzo(g,h,i)perylene	ND	U
207-08-9	Benzo(k)fluoranthene	ND	U
100-51-6	Benzyl alcohol	ND	U
101-55-3	4-Bromophenylphenyl ether	ND	U
85-68-7	Butylbenzylphthalate	ND	U
59-50-7	4-Chloro-3-methylphenol	ND	U
106-47-8	4-Chloroaniline	ND	U
111-91-1	bis(2-Chloroethoxy)methane	ND	U
111-44-4	bis(2-Chloroethyl) ether	ND	U
108-60-1	bis(2chloro1methylethyl) ether	ND	U
91-58-7	2-Chloronaphthalene	ND	U
95-57-8	2-Chlorophenol	ND	U
7005-72-3	4-Chlorophenylphenyl ether	ND	U
218-01-9	Chrysene	ND	U
53-70-3	Dibenz(a,h)anthracene	ND	U
132-64-9	Dibenzofuran	ND	U
91-94-1	3,3'-Dichlorobenzidine	ND	U
120-83-2	2,4-Dichlorophenol	ND	U
84-66-2	Diethylphthalate	ND	U
105-67-9	2,4-Dimethylphenol	ND	U
131-11-3	Dimethylphthalate	ND	U
84-74-2	Di-n-butylphthalate	ND	U
534-52-1	4,6-Dinitro-2-methylphenol	ND	U
51-28-5	2,4-Dinitrophenol	ND	U
121-14-2	2,4-Dinitrotoluene	ND	U
606-20-2	2,6-Dinitrotoluene	ND	U
117-84-0	Di-n-octylphthalate	ND	U
117-81-7	bis(2-Ethylhexyl)phthalate	ND	U
206-44-0	Fluoranthene	ND	U
86-73-7	Fluorene	ND	U
87-68-3	Hexachloro-1,3-butadiene	ND	U

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MSSV FULL SCAN - FORM I SVOA-2
SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

P-6(10-12)

Lab Name: Pace Analytical - Indiana
Date Received: 06/21/2014 10:54
Date Extracted: 06/25/2014 12:30
Date Analyzed: 06/27/2014 22:01
Initial wt/vol: 30.1 g Final wt/vol: 1 mL Dilution: 1

Contract: Sibley-Accucast/2339-356-03-00
Matrix: Solid SDG No.: 5099688
Lab Sample ID: 5099688009
Lab File ID: 062714.B\5099688009.D
Instrument: 50MSS3 Percent Moisture: 2.9%

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
118-74-1	Hexachlorobenzene	ND	U
77-47-4	Hexachlorocyclopentadiene	ND	U
67-72-1	Hexachloroethane	ND	U
193-39-5	Indeno(1,2,3-cd)pyrene	ND	U
78-59-1	Isophorone	ND	U
91-57-6	2-Methylnaphthalene	ND	U
95-48-7	2-Methylphenol(o-Cresol)	ND	U
	3&4-Methylphenol(m&p Cresol)	ND	U
91-20-3	Naphthalene	ND	U
88-74-4	2-Nitroaniline	ND	U
99-09-2	3-Nitroaniline	ND	U
100-01-6	4-Nitroaniline	ND	U
98-95-3	Nitrobenzene	ND	U
88-75-5	2-Nitrophenol	ND	U
100-02-7	4-Nitrophenol	ND	U
621-64-7	N-Nitroso-di-n-propylamine	ND	U
86-30-6	N-Nitrosodiphenylamine	ND	U
87-86-5	Pentachlorophenol	ND	U
85-01-8	Phenanthrene	ND	U
108-95-2	Phenol	ND	U
129-00-0	Pyrene	ND	U
95-95-4	2,4,5-Trichlorophenol	ND	U
88-06-2	2,4,6-Trichlorophenol	ND	U

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Pace Analytical Services, Inc.

Semivolatile REPORT SW-846 Method 8270/EPA 625

Data file : \\192.168.50.6\chem\50MSS3.i\062714.b\5099688009.d
 Lab Smp Id: 5099688009 Client Smp ID: P-6(10-12)
 Inj Date : 27-JUN-2014 22:01
 Operator : CEM Inst ID: 50MSS3.i
 Smp Info : 5099688009
 Misc Info : 15583
 Comment :
 Method : \\192.168.50.6\chem\50MSS3.i\062714.b\8270c.m
 Meth Date : 30-Jun-2014 13:19 50MSS3.i Quant Type: ISTD
 Cal Date : 10-JUN-2014 12:11 Cal File: 100ppm.d
 Als bottle: 25
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: most.sub
 Target Version: 4.14
 Processing Host: 50-SVOA-SN

Concentration Formula: Amt * DF * Uf * Vt / (Vi * Ws * (100 - M) / 100) * CpndV

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vt	1000.000	Volume of final extract (uL)
Vi	1.000	Volume Injected (uL)
Ws	30.100	Weight of sample extracted (g)
M	2.910	% Moisture
Cpnd Variable		Local Compound Variable

Compounds	QUANT	SIG	CONCENTRATIONS				
			ON-COLUMN	FINAL			
	MASS	RT	EXP RT	REL RT	RESPONSE	(ug/ml)	(ug/Kg)
\$ 3 2-Fluorophenol (S)	112	3.380	3.380	(0.730)	293519	77.5034	2652
\$ 7 Phenol-d5 (S)	99	4.404	4.404	(0.950)	371693	78.9349	2701
* 11 1,4-Dichlorobenzene-d4 (IS)	152	4.633	4.633	(1.000)	131873	40.0000	(Q)
\$ 23 Nitrobenzene-d5 (S)	82	5.369	5.368	(0.825)	299745	79.4513	2719
* 32 Naphthalene-d8 (IS)	136	6.510	6.515	(1.000)	516944	40.0000	
\$ 44 2-Fluorobiphenyl (S)	172	8.921	8.927	(0.902)	800936	80.4960	2754
* 53 Acenaphthene-d10 (IS)	164	9.886	9.886	(1.000)	306830	40.0000	
\$ 67 2,4,6-Tribromophenol (S)	330	10.886	10.886	(0.939)	140722	84.3550	2886
* 72 Phenanthrene-d10 (IS)	188	11.598	11.597	(1.000)	530861	40.0000	
\$ 80 p-Terphenyl-d14 (S)	244	13.250	13.256	(1.143)	1053179	95.2077	3258
* 84 Chrysene-d12 (IS)	240	14.362	14.368	(1.000)	713229	40.0000	
* 91 Perylene-d12 (IS)	264	15.968	15.974	(1.000)	507546	40.0000	

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Date: 27-JUN-2014 22:01

Client ID: P-6(10-12)

Sample Info: 5099688009

Volume Injected (uL): 1.0

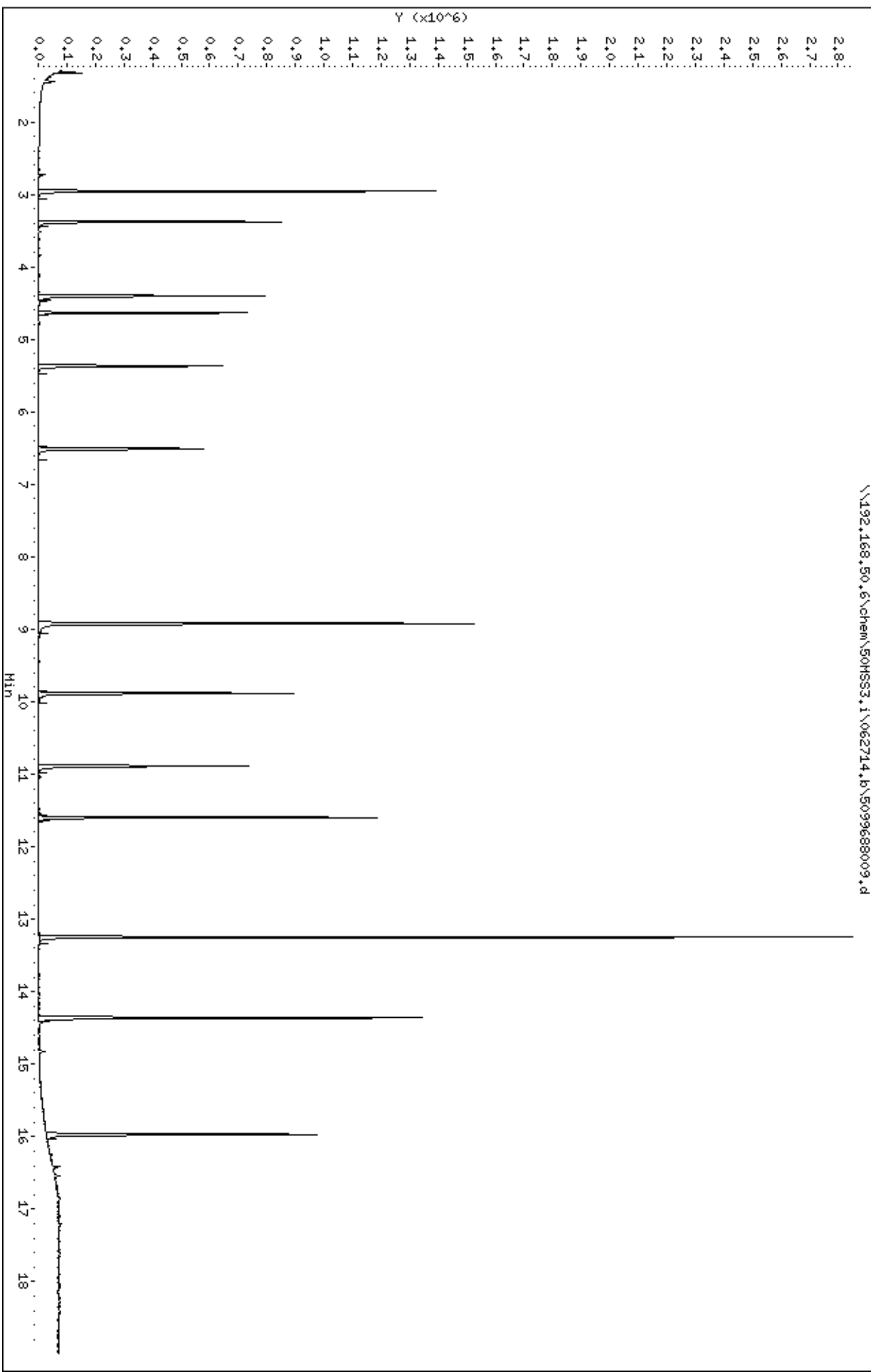
Column phase: 50um DB-5ms

Instrument: 50HSS3.1

Operator: CEH

Column diameter: 0.25

\\192.168.50.6\chem\50HSS3.1\062714.b\5099688009.d



MSSV FULL SCAN - FORM I SVOA-1
SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

P-6(2-4)

Lab Name: Pace Analytical - Indiana
Date Received: 06/21/2014 10:54
Date Extracted: 06/25/2014 12:30
Date Analyzed: 06/27/2014 22:24
Initial wt/vol: 30.3 g Final wt/vol: 1 mL Dilution: 1

Contract: Sibley-Accucast/2339-356-03-00
Matrix: Solid SDG No.: 5099688
Lab Sample ID: 5099688010
Lab File ID: 062714.B\5099688010.D
Instrument: 50MSS3 Percent Moisture: 6.3%

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
83-32-9	Acenaphthene	ND	U
208-96-8	Acenaphthylene	ND	U
120-12-7	Anthracene	ND	U
56-55-3	Benzo(a)anthracene	ND	U
50-32-8	Benzo(a)pyrene	ND	U
205-99-2	Benzo(b)fluoranthene	ND	U
191-24-2	Benzo(g,h,i)perylene	ND	U
207-08-9	Benzo(k)fluoranthene	ND	U
100-51-6	Benzyl alcohol	ND	U
101-55-3	4-Bromophenylphenyl ether	ND	U
85-68-7	Butylbenzylphthalate	ND	U
59-50-7	4-Chloro-3-methylphenol	ND	U
106-47-8	4-Chloroaniline	ND	U
111-91-1	bis(2-Chloroethoxy)methane	ND	U
111-44-4	bis(2-Chloroethyl) ether	ND	U
108-60-1	bis(2chloro1methylethyl) ether	ND	U
91-58-7	2-Chloronaphthalene	ND	U
95-57-8	2-Chlorophenol	ND	U
7005-72-3	4-Chlorophenylphenyl ether	ND	U
218-01-9	Chrysene	ND	U
53-70-3	Dibenz(a,h)anthracene	ND	U
132-64-9	Dibenzofuran	ND	U
91-94-1	3,3'-Dichlorobenzidine	ND	U
120-83-2	2,4-Dichlorophenol	ND	U
84-66-2	Diethylphthalate	ND	U
105-67-9	2,4-Dimethylphenol	ND	U
131-11-3	Dimethylphthalate	ND	U
84-74-2	Di-n-butylphthalate	ND	U
534-52-1	4,6-Dinitro-2-methylphenol	ND	U
51-28-5	2,4-Dinitrophenol	ND	U
121-14-2	2,4-Dinitrotoluene	ND	U
606-20-2	2,6-Dinitrotoluene	ND	U
117-84-0	Di-n-octylphthalate	ND	U
117-81-7	bis(2-Ethylhexyl)phthalate	ND	U
206-44-0	Fluoranthene	ND	U
86-73-7	Fluorene	ND	U
87-68-3	Hexachloro-1,3-butadiene	ND	U

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MSSV FULL SCAN - FORM I SVOA-2
SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

P-6(2-4)

Lab Name: Pace Analytical - Indiana
Date Received: 06/21/2014 10:54
Date Extracted: 06/25/2014 12:30
Date Analyzed: 06/27/2014 22:24
Initial wt/vol: 30.3 g Final wt/vol: 1 mL Dilution: 1

Contract: Sibley-Accucast/2339-356-03-00
Matrix: Solid SDG No.: 5099688
Lab Sample ID: 5099688010
Lab File ID: 062714.B\5099688010.D
Instrument: 50MSS3 Percent Moisture: 6.3%

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
118-74-1	Hexachlorobenzene	ND	U
77-47-4	Hexachlorocyclopentadiene	ND	U
67-72-1	Hexachloroethane	ND	U
193-39-5	Indeno(1,2,3-cd)pyrene	ND	U
78-59-1	Isophorone	ND	U
91-57-6	2-Methylnaphthalene	ND	U
95-48-7	2-Methylphenol(o-Cresol)	ND	U
	3&4-Methylphenol(m&p Cresol)	ND	U
91-20-3	Naphthalene	ND	U
88-74-4	2-Nitroaniline	ND	U
99-09-2	3-Nitroaniline	ND	U
100-01-6	4-Nitroaniline	ND	U
98-95-3	Nitrobenzene	ND	U
88-75-5	2-Nitrophenol	ND	U
100-02-7	4-Nitrophenol	ND	U
621-64-7	N-Nitroso-di-n-propylamine	ND	U
86-30-6	N-Nitrosodiphenylamine	ND	U
87-86-5	Pentachlorophenol	ND	U
85-01-8	Phenanthrene	ND	U
108-95-2	Phenol	ND	U
129-00-0	Pyrene	ND	U
95-95-4	2,4,5-Trichlorophenol	ND	U
88-06-2	2,4,6-Trichlorophenol	ND	U

07/21/2014 8:54

Pace Analytical Services, Inc.

Semivolatile REPORT SW-846 Method 8270/EPA 625

Data file : \\192.168.50.6\chem\50MSS3.i\062714.b\5099688010.d
 Lab Smp Id: 5099688010 Client Smp ID: P-6(2-4)
 Inj Date : 27-JUN-2014 22:24
 Operator : CEM Inst ID: 50MSS3.i
 Smp Info : 5099688010
 Misc Info : 15583
 Comment :
 Method : \\192.168.50.6\chem\50MSS3.i\062714.b\8270c.m
 Meth Date : 30-Jun-2014 13:19 50MSS3.i Quant Type: ISTD
 Cal Date : 10-JUN-2014 12:11 Cal File: 100ppm.d
 Als bottle: 26
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: most.sub
 Target Version: 4.14
 Processing Host: 50-SVOA-SN

Concentration Formula: Amt * DF * Uf * Vt / (Vi * Ws * (100 - M) / 100) * CpndV

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vt	1000.000	Volume of final extract (uL)
Vi	1.000	Volume Injected (uL)
Ws	30.300	Weight of sample extracted (g)
M	6.259	% Moisture
Cpnd Variable		Local Compound Variable

Compounds	QUANT	SIG	CONCENTRATIONS				
			ON-COLUMN	FINAL			
	MASS	RT	EXP RT	REL RT	RESPONSE	(ug/ml)	(ug/Kg)
\$ 3 2-Fluorophenol (S)	112	3.380	3.380	(0.730)	249481	62.4571	2199
\$ 7 Phenol-d5 (S)	99	4.404	4.404	(0.950)	325552	65.5488	2308
* 11 1,4-Dichlorobenzene-d4 (IS)	152	4.633	4.633	(1.000)	139090	40.0000	(Q)
\$ 23 Nitrobenzene-d5 (S)	82	5.369	5.368	(0.825)	270383	66.5978	2345
* 32 Naphthalene-d8 (IS)	136	6.510	6.515	(1.000)	556304	40.0000	
\$ 44 2-Fluorobiphenyl (S)	172	8.921	8.927	(0.903)	726016	68.0079	2394
* 53 Acenaphthene-d10 (IS)	164	9.880	9.886	(1.000)	329201	40.0000	
\$ 67 2,4,6-Tribromophenol (S)	330	10.886	10.886	(0.939)	125143	68.8924	2425
* 72 Phenanthrene-d10 (IS)	188	11.598	11.597	(1.000)	578049	40.0000	
\$ 80 p-Terphenyl-d14 (S)	244	13.250	13.256	(1.143)	1026240	85.1991	3000
* 84 Chrysene-d12 (IS)	240	14.362	14.368	(1.000)	770397	40.0000	
* 91 Perylene-d12 (IS)	264	15.968	15.974	(1.000)	520783	40.0000	

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Date: 27-JUN-2014 22:24

Client ID: P-6(2-4)

Sample Info: 5099688010

Volume Injected (uL): 1.0

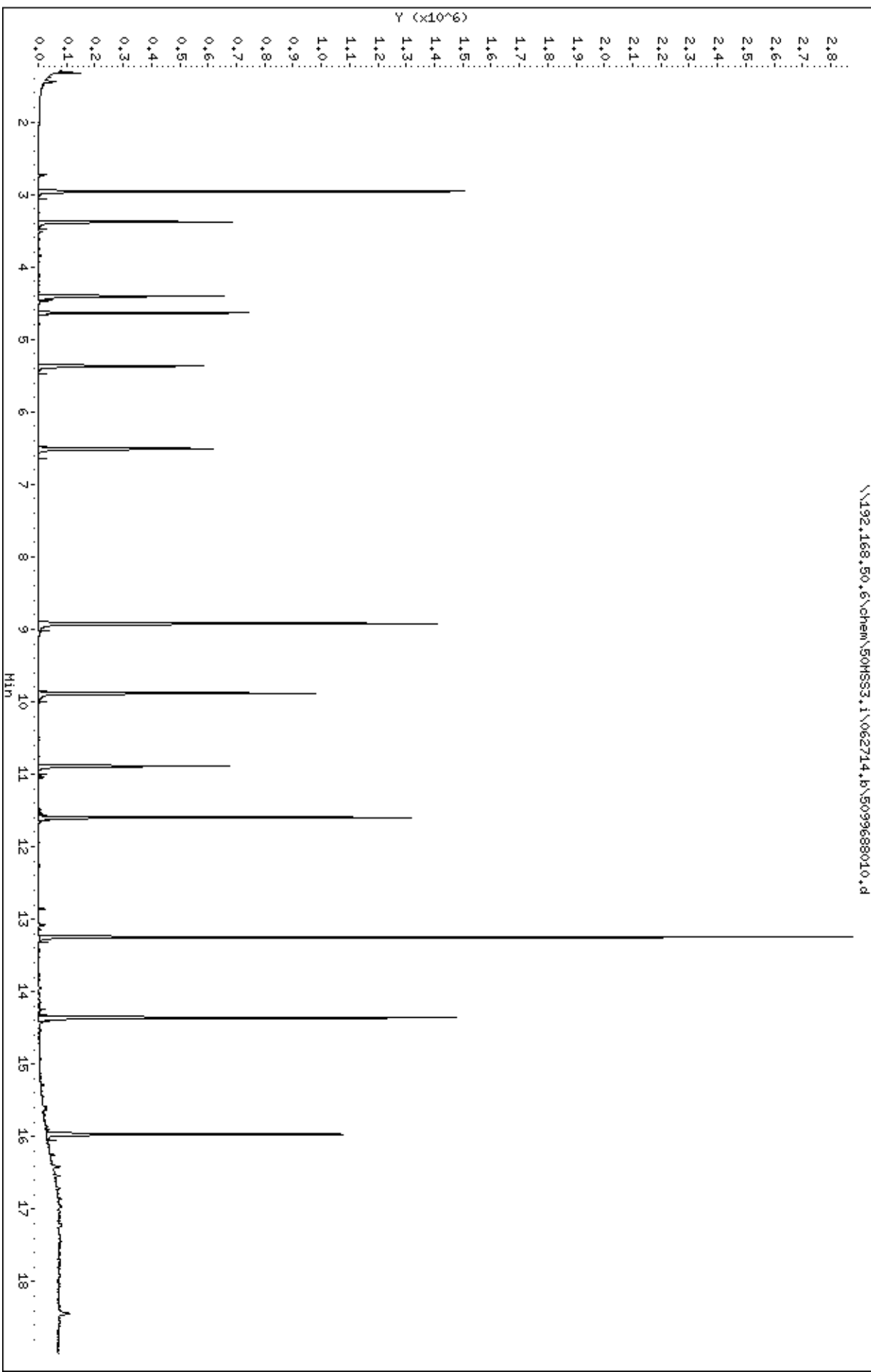
Column phase: 50um DB-5ms

Instrument: 50HSS3.1

Operator: CEH

Column diameter: 0.25

\\192.168.50.6\chem\50HSS3.1\062714.b\5099688010.d



MSSV FULL SCAN - FORM I SVOA-1
SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

P-3 RE(2-4)

Lab Name: Pace Analytical - Indiana
Date Received: 06/21/2014 10:54
Date Extracted: 06/25/2014 12:30
Date Analyzed: 06/27/2014 22:48
Initial wt/vol: 30.4 g Final wt/vol: 1 mL Dilution: 1

Contract: Sibley-Accucast/2339-356-03-00
Matrix: Solid SDG No.: 5099688
Lab Sample ID: 5099688011
Lab File ID: 062714.B\5099688011.D
Instrument: 50MSS3 Percent Moisture: 12.2%

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
83-32-9	Acenaphthene	ND	U
208-96-8	Acenaphthylene	ND	U
120-12-7	Anthracene	ND	U
56-55-3	Benzo(a)anthracene	ND	U
50-32-8	Benzo(a)pyrene	ND	U
205-99-2	Benzo(b)fluoranthene	ND	U
191-24-2	Benzo(g,h,i)perylene	ND	U
207-08-9	Benzo(k)fluoranthene	ND	U
100-51-6	Benzyl alcohol	ND	U
101-55-3	4-Bromophenylphenyl ether	ND	U
85-68-7	Butylbenzylphthalate	ND	U
59-50-7	4-Chloro-3-methylphenol	ND	U
106-47-8	4-Chloroaniline	ND	U
111-91-1	bis(2-Chloroethoxy)methane	ND	U
111-44-4	bis(2-Chloroethyl) ether	ND	U
108-60-1	bis(2chloro1methylethyl) ether	ND	U
91-58-7	2-Chloronaphthalene	ND	U
95-57-8	2-Chlorophenol	ND	U
7005-72-3	4-Chlorophenylphenyl ether	ND	U
218-01-9	Chrysene	ND	U
53-70-3	Dibenz(a,h)anthracene	ND	U
132-64-9	Dibenzofuran	ND	U
91-94-1	3,3'-Dichlorobenzidine	ND	U
120-83-2	2,4-Dichlorophenol	ND	U
84-66-2	Diethylphthalate	ND	U
105-67-9	2,4-Dimethylphenol	ND	U
131-11-3	Dimethylphthalate	ND	U
84-74-2	Di-n-butylphthalate	ND	U
534-52-1	4,6-Dinitro-2-methylphenol	ND	U
51-28-5	2,4-Dinitrophenol	ND	U
121-14-2	2,4-Dinitrotoluene	ND	U
606-20-2	2,6-Dinitrotoluene	ND	U
117-84-0	Di-n-octylphthalate	ND	U
117-81-7	bis(2-Ethylhexyl)phthalate	ND	U
206-44-0	Fluoranthene	ND	U
86-73-7	Fluorene	ND	U
87-68-3	Hexachloro-1,3-butadiene	ND	U

07/21/2014 8:54

MSSV FULL SCAN - FORM I SVOA-2
SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

P-3 RE(2-4)

Lab Name: Pace Analytical - Indiana
Date Received: 06/21/2014 10:54
Date Extracted: 06/25/2014 12:30
Date Analyzed: 06/27/2014 22:48
Initial wt/vol: 30.4 g Final wt/vol: 1 mL Dilution: 1

Contract: Sibley-Accucast/2339-356-03-00
Matrix: Solid SDG No.: 5099688
Lab Sample ID: 5099688011
Lab File ID: 062714.B\5099688011.D
Instrument: 50MSS3 Percent Moisture: 12.2%

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
118-74-1	Hexachlorobenzene	ND	U
77-47-4	Hexachlorocyclopentadiene	ND	U
67-72-1	Hexachloroethane	ND	U
193-39-5	Indeno(1,2,3-cd)pyrene	ND	U
78-59-1	Isophorone	ND	U
91-57-6	2-Methylnaphthalene	ND	U
95-48-7	2-Methylphenol(o-Cresol)	ND	U
	3&4-Methylphenol(m&p Cresol)	ND	U
91-20-3	Naphthalene	ND	U
88-74-4	2-Nitroaniline	ND	U
99-09-2	3-Nitroaniline	ND	U
100-01-6	4-Nitroaniline	ND	U
98-95-3	Nitrobenzene	ND	U
88-75-5	2-Nitrophenol	ND	U
100-02-7	4-Nitrophenol	ND	U
621-64-7	N-Nitroso-di-n-propylamine	ND	U
86-30-6	N-Nitrosodiphenylamine	ND	U
87-86-5	Pentachlorophenol	ND	U
85-01-8	Phenanthrene	572	
108-95-2	Phenol	ND	U
129-00-0	Pyrene	ND	U
95-95-4	2,4,5-Trichlorophenol	ND	U
88-06-2	2,4,6-Trichlorophenol	ND	U

07/21/2014 8:54

Pace Analytical Services, Inc.

Semivolatile REPORT SW-846 Method 8270/EPA 625

Data file : \\192.168.50.6\chem\50MSS3.i\062714.b\5099688011.d
 Lab Smp Id: 5099688011 Client Smp ID: P-3 RE(2-4)
 Inj Date : 27-JUN-2014 22:48
 Operator : CEM Inst ID: 50MSS3.i
 Smp Info : 5099688011
 Misc Info : 15583
 Comment :
 Method : \\192.168.50.6\chem\50MSS3.i\062714.b\8270c.m
 Meth Date : 30-Jun-2014 13:19 50MSS3.i Quant Type: ISTD
 Cal Date : 10-JUN-2014 12:11 Cal File: 100ppm.d
 Als bottle: 27
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: most.sub
 Target Version: 4.14
 Processing Host: 50-SVOA-SN

Concentration Formula: Amt * DF * Uf * Vt / (Vi * Ws * (100 - M) / 100) * CpndV

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vt	1000.000	Volume of final extract (uL)
Vi	1.000	Volume Injected (uL)
Ws	30.400	Weight of sample extracted (g)
M	12.226	% Moisture
Cpnd Variable		Local Compound Variable

Compounds	QUANT	SIG	CONCENTRATIONS				
			ON-COLUMN	FINAL			
	MASS	RT	EXP RT	REL RT	RESPONSE	(ug/ml)	(ug/Kg)
\$ 3 2-Fluorophenol (S)	112	3.380	3.380	(0.730)	92277	24.8303	930.6 (R)
5 Benzaldehyde	77	4.180	4.174	(0.902)	5363	9.75489	365.6 (Q)
\$ 7 Phenol-d5 (S)	99	4.410	4.404	(0.952)	119547	25.8719	969.6 (R)
* 11 1,4-Dichlorobenzene-d4 (IS)	152	4.633	4.633	(1.000)	129405	40.0000	(Q)
\$ 23 Nitrobenzene-d5 (S)	82	5.368	5.368	(0.825)	110432	29.2473	1096
31 Benzoic Acid	122	6.315	6.415	(0.970)	8512	4.00472	150.1 (H)
* 32 Naphthalene-d8 (IS)	136	6.510	6.515	(1.000)	517370	40.0000	
33 Naphthalene	128	6.551	6.557	(1.006)	22873	1.74646	65.45
38 2-Methylnaphthalene	142	8.139	8.145	(1.250)	19829	1.62217	60.79
40 1-Methylnaphthalene	142	8.362	8.362	(1.285)	19296	2.15271	80.68
\$ 44 2-Fluorobiphenyl (S)	172	8.921	8.927	(0.903)	348564	33.7851	1266 (R)
* 53 Acenaphthene-d10 (IS)	164	9.880	9.886	(1.000)	318150	40.0000	
57 Dibenzofuran	168	10.133	10.139	(1.026)	32970	2.54825	95.50
\$ 67 2,4,6-Tribromophenol (S)	330	10.886	10.886	(0.939)	48870	24.6277	923.0
* 72 Phenanthrene-d10 (IS)	188	11.597	11.597	(1.000)	631464	40.0000	
73 Phenanthrene	178	11.621	11.627	(1.002)	264904	15.2502	571.5
74 Anthracene	178	11.668	11.674	(1.006)	19718	1.13044	42.36
77 Fluoranthene	202	12.850	12.856	(1.108)	72178	3.75536	140.7
79 Pyrene	202	13.080	13.080	(1.128)	67943	3.40956	127.8

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN (ug/ml)	FINAL (ug/Kg)
\$ 80 p-Terphenyl-d14 (S)	244	13.250	13.256	(1.143)	553298	42.0495	1576
82 Benzo(a)anthracene	228	14.338	14.350	(0.998)	33209	1.43498	53.78
* 84 Chrysene-d12 (IS)	240	14.362	14.368	(1.000)	863126	40.0000	
85 Chrysene	228	14.391	14.403	(1.002)	45306	2.05258	76.92
88 Benzo(b)fluoranthene	252	15.585	15.591	(0.976)	29914	1.74684	65.46
90 Benzo(a)pyrene	252	15.909	15.921	(0.996)	18558	1.17791	44.14
* 91 Perylene-d12 (IS)	264	15.968	15.974	(1.000)	569390	40.0000	

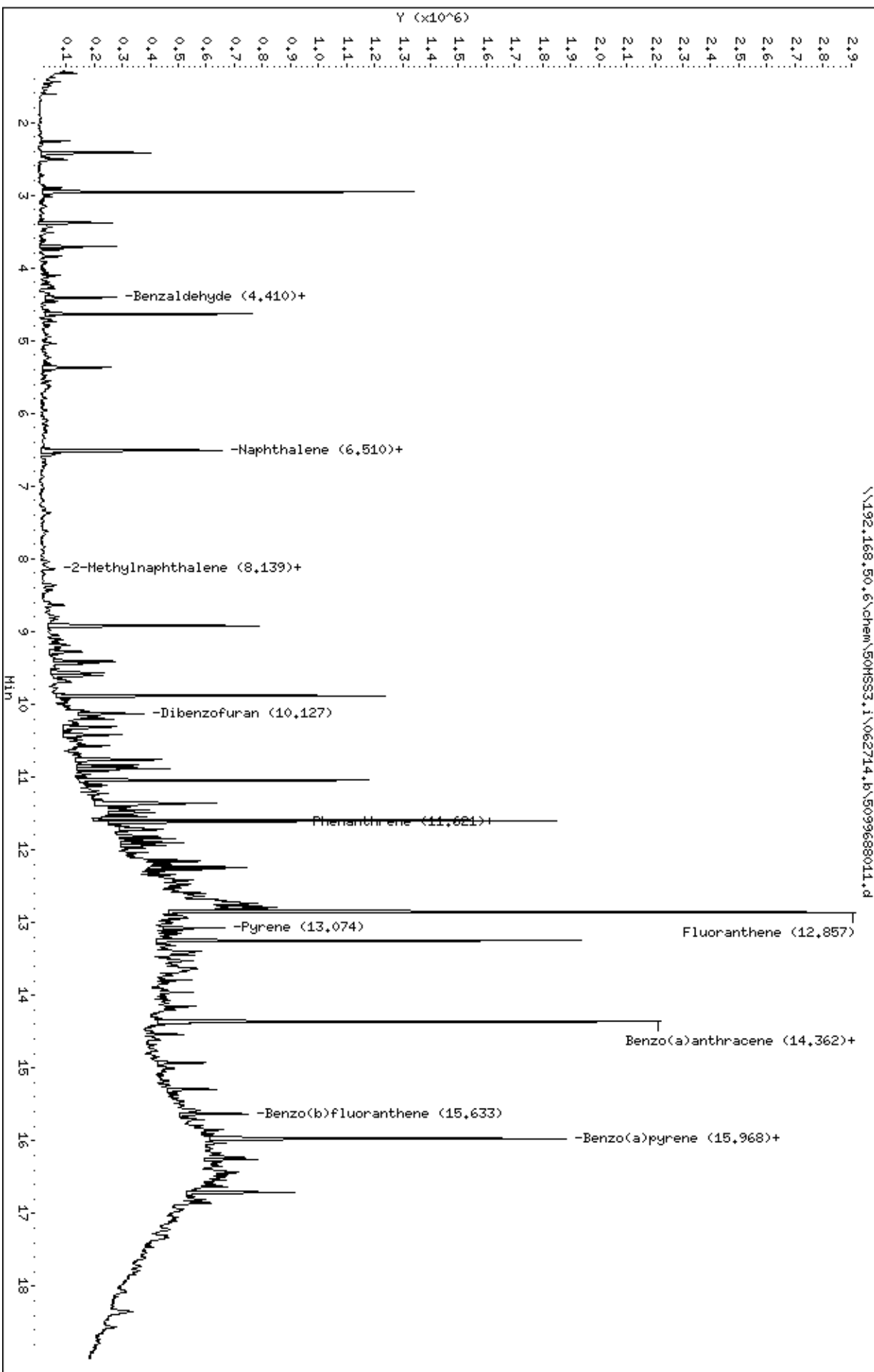
QC Flag Legend

- Q - Qualifier signal failed the ratio test.
- R - Spike/Surrogate failed recovery limits.
- H - Operator selected an alternate compound hit.

Data File: \\192.168.50.6\chem\50HSS3.1\062714.B\5099688011.d
 Date: 27-JUN-2014 22:48
 Client ID: P-3 RE(2-4)
 Sample Info: 5099688011
 Volume Injected (uL): 1.0
 Column phase: 50um DB-5ms

Instrument: 50HSS3.1
 Operator: CEH
 Column diameter: 0.25

\\192.168.50.6\chem\50HSS3.1\062714.B\5099688011.d



Date : 27-JUN-2014 22:48

Client ID: P-3 RE(2-4)

Instrument: 50MSS3.i

Sample Info: 5099688011

Volume Injected (uL): 1.0

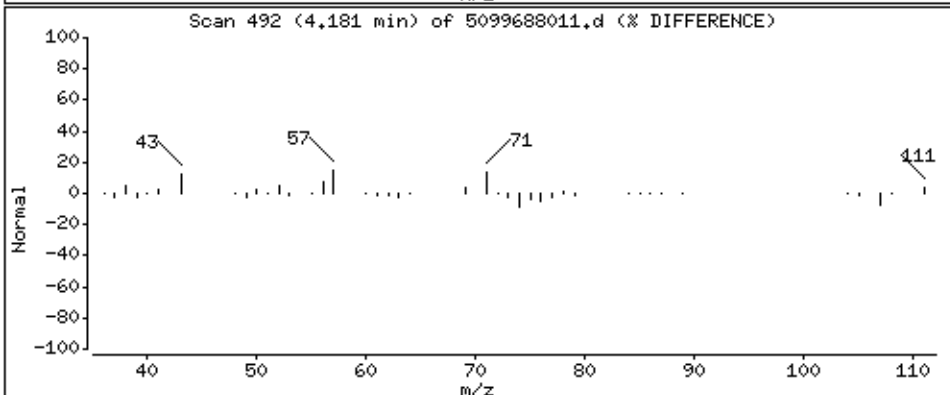
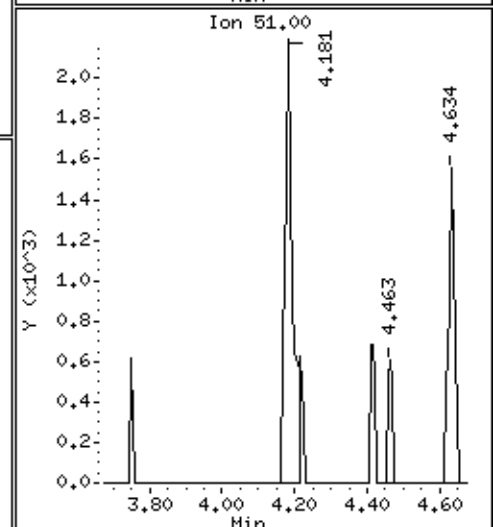
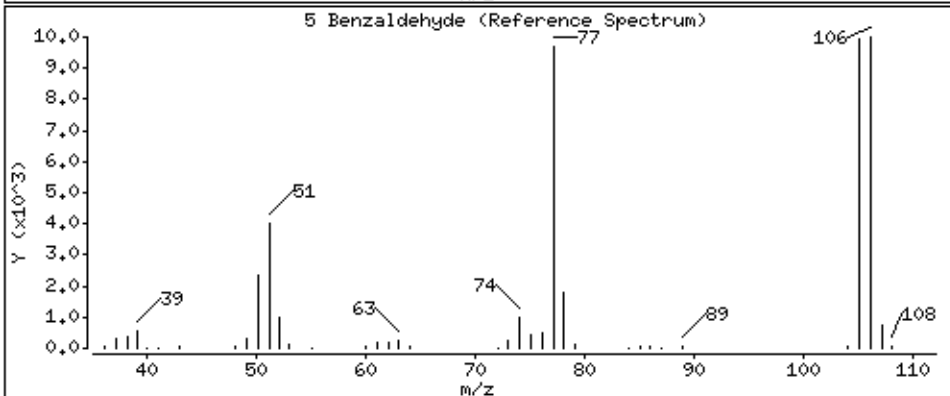
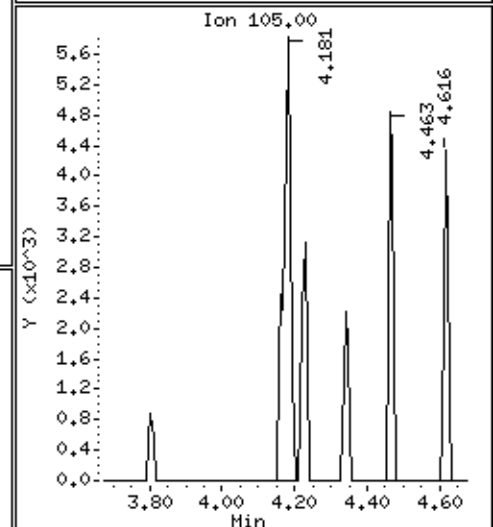
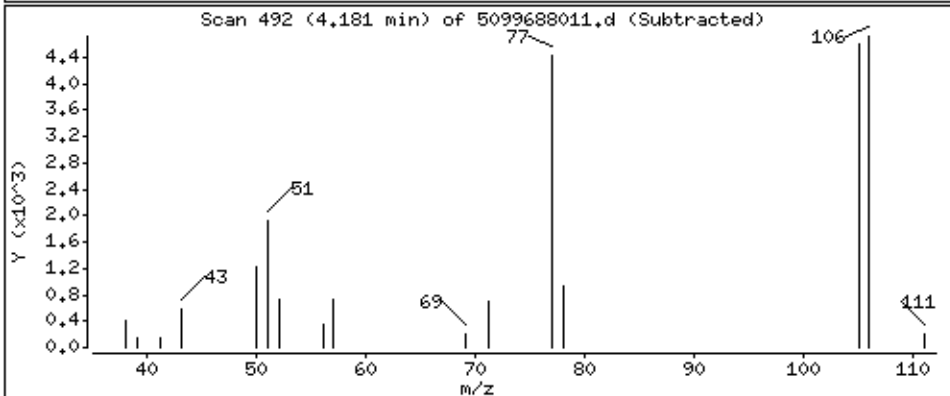
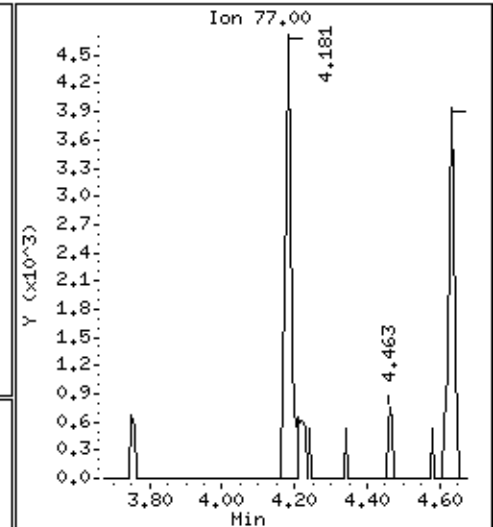
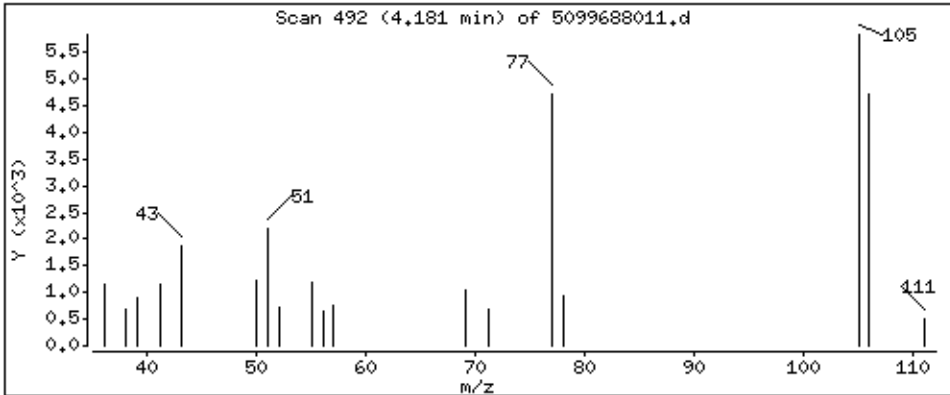
Operator: CEM

Column phase: .50um DB-5ms

Column diameter: 0,25

5 Benzaldehyde

Concentration: 365,6 ug/Kg



Date : 27-JUN-2014 22:48

Client ID: P-3 RE(2-4)

Instrument: 50MSS3.i

Sample Info: 5099688011

Volume Injected (uL): 1.0

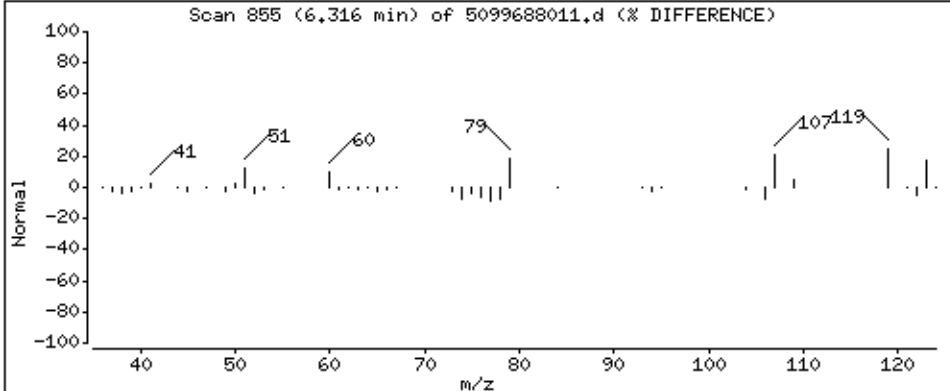
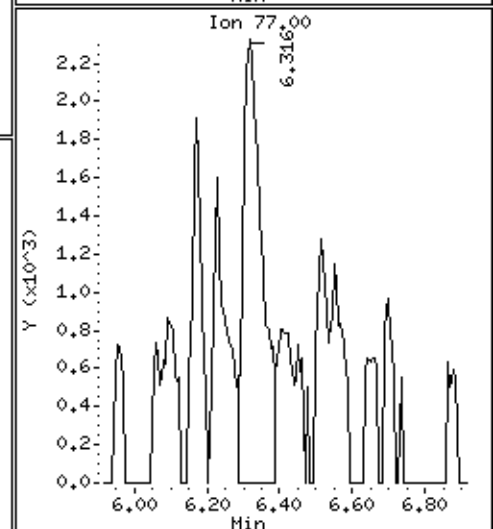
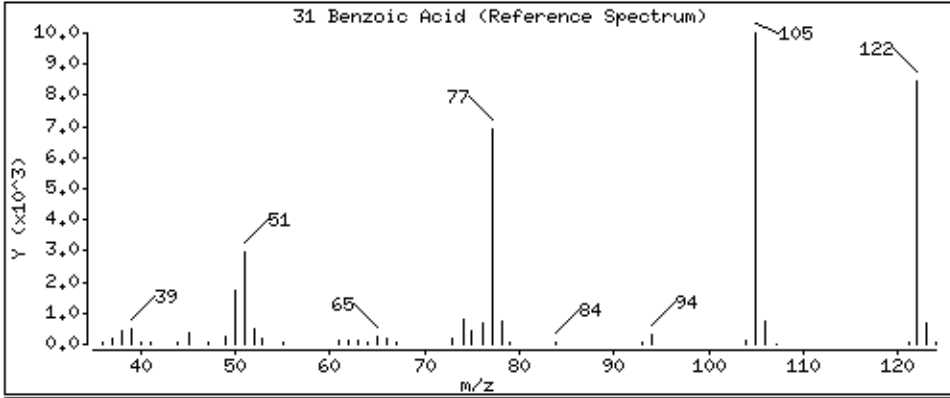
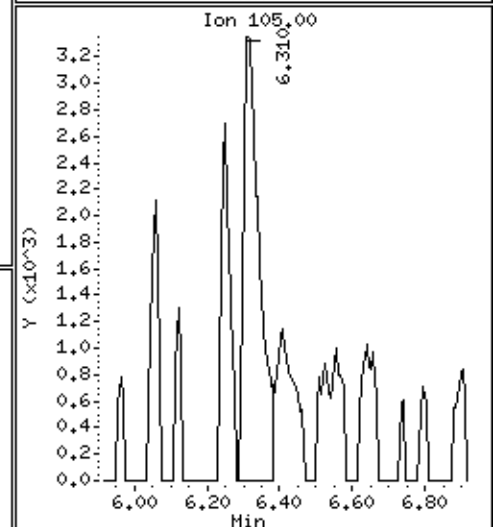
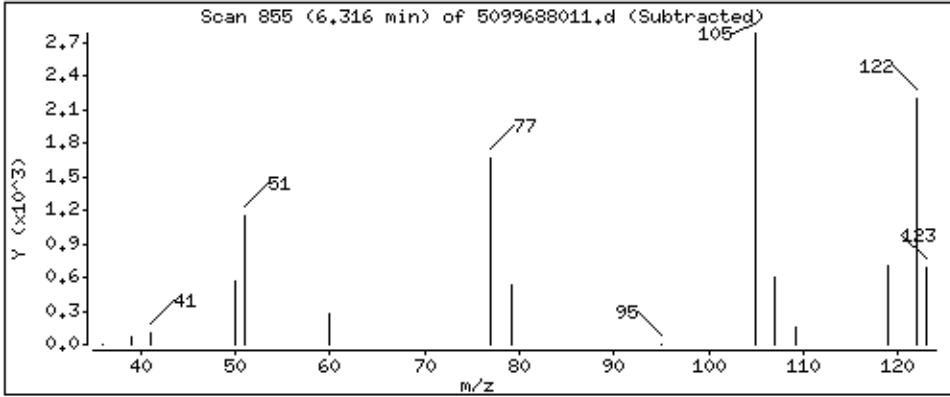
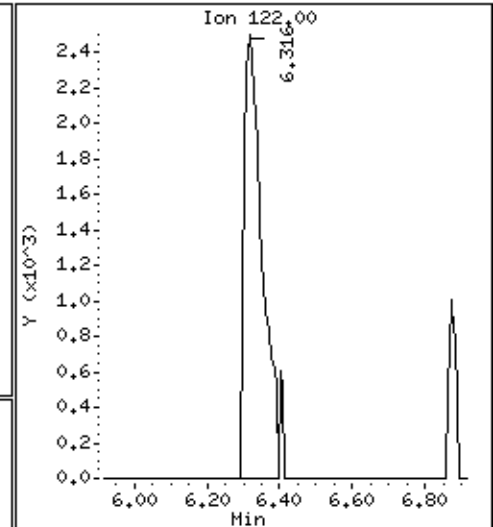
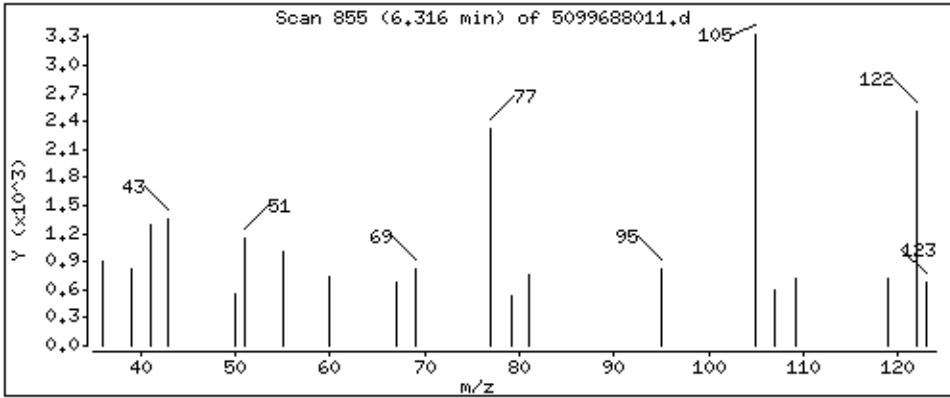
Operator: CEM

Column phase: .50um DB-5ms

Column diameter: 0,25

31 Benzoic Acid

Concentration: 150.1 ug/Kg



Date : 27-JUN-2014 22:48

Client ID: P-3 RE(2-4)

Instrument: 50MSS3.i

Sample Info: 5099688011

Volume Injected (uL): 1.0

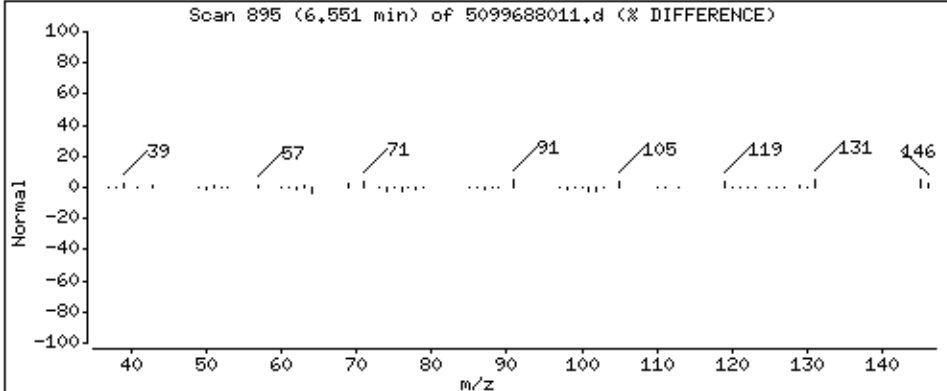
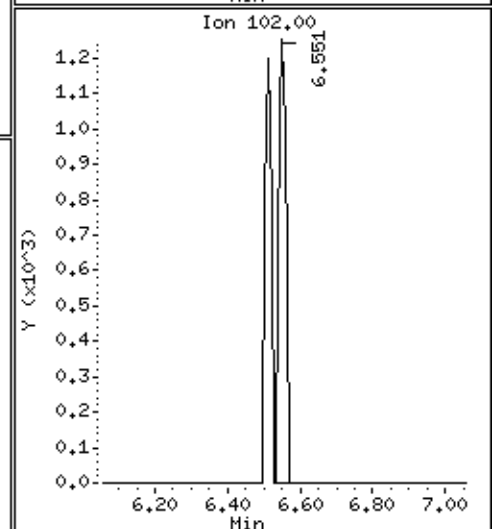
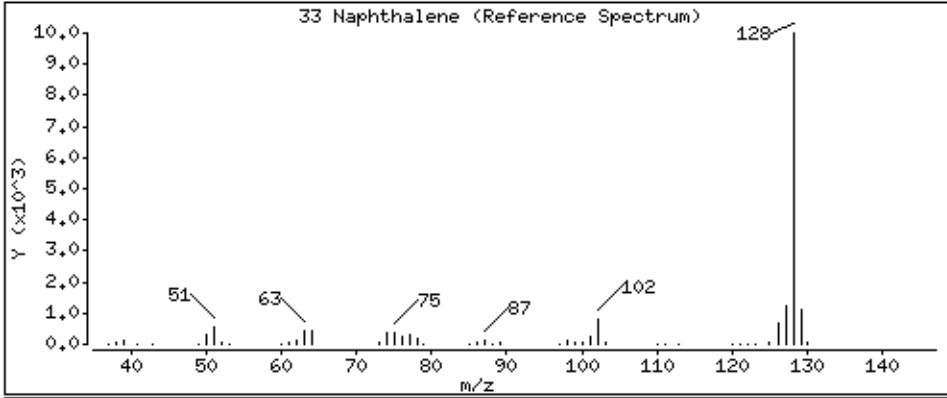
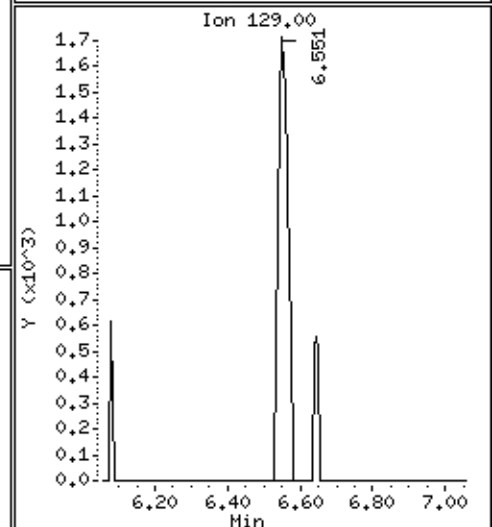
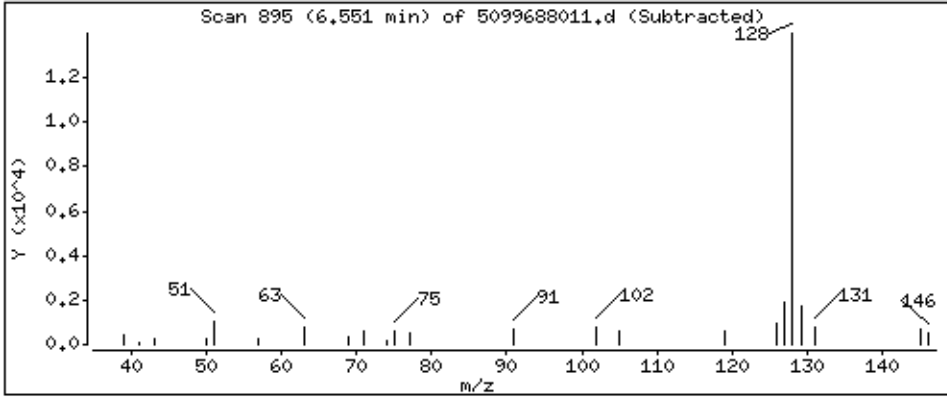
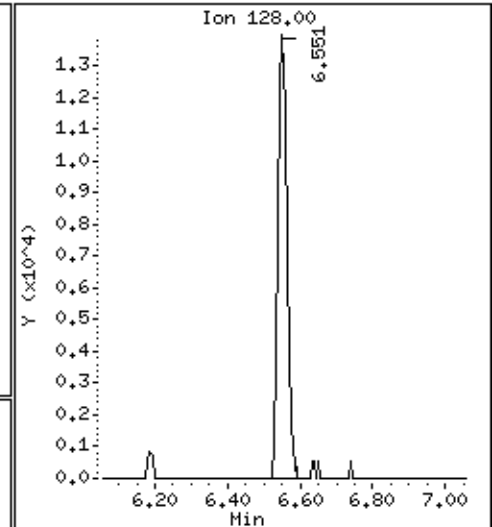
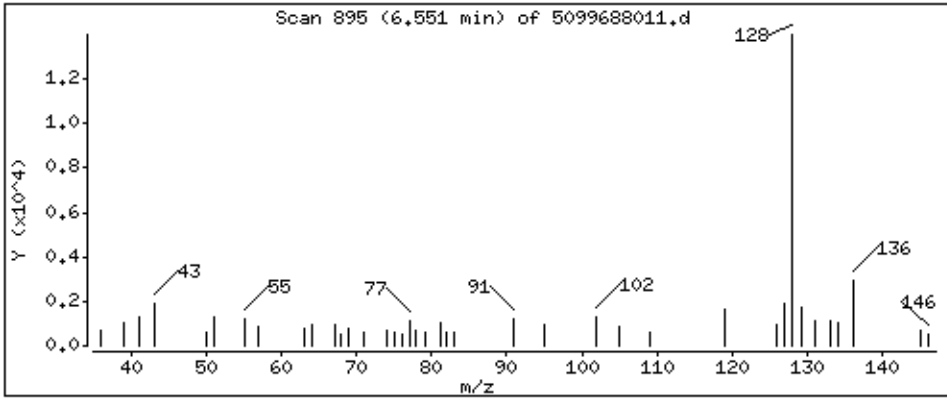
Operator: CEM

Column phase: .50um DB-5ms

Column diameter: 0,25

33 Naphthalene

Concentration: 65,45 ug/Kg



Date : 27-JUN-2014 22:48

Client ID: P-3 RE(2-4)

Instrument: 50MSS3.i

Sample Info: 5099688011

Volume Injected (uL): 1.0

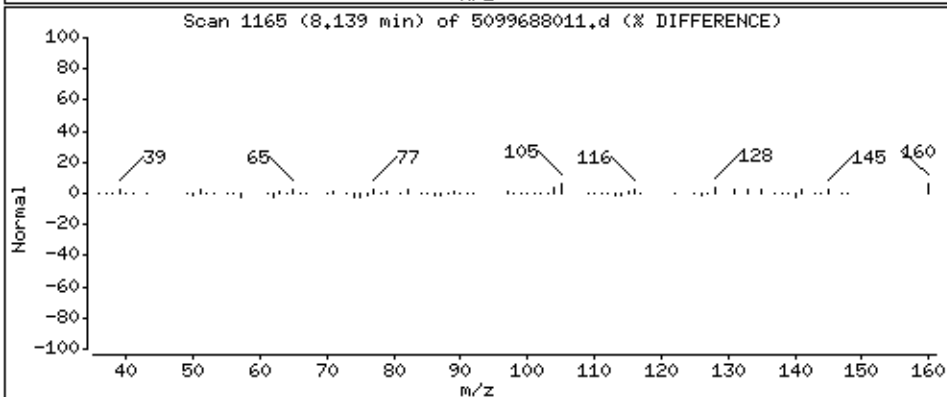
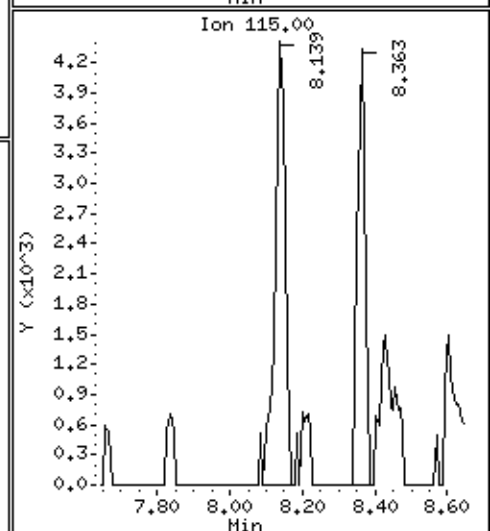
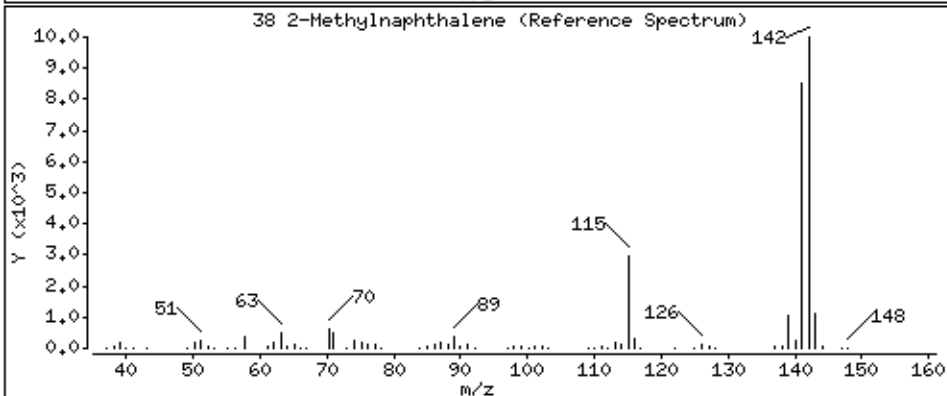
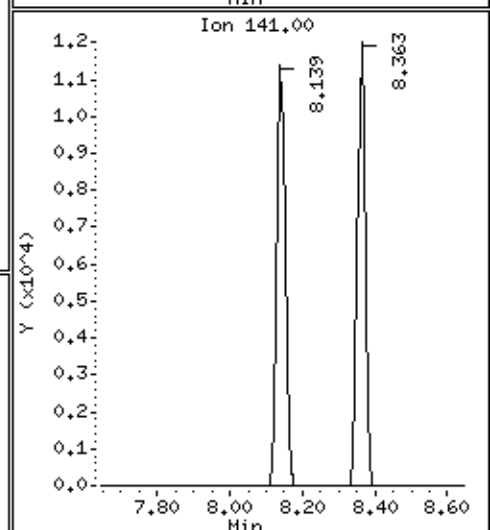
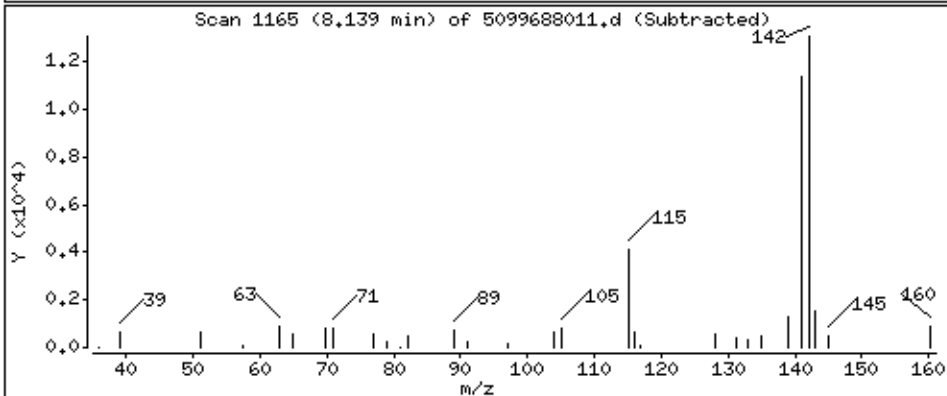
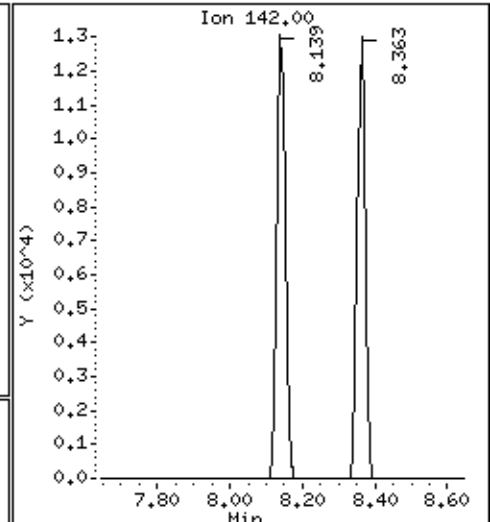
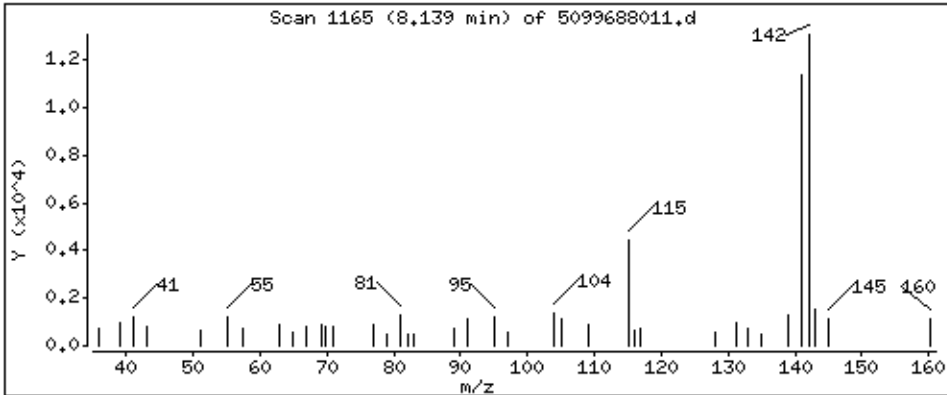
Operator: CEM

Column phase: .50um DB-5ms

Column diameter: 0,25

38 2-Methylnaphthalene

Concentration: 60,79 ug/Kg



Date : 27-JUN-2014 22:48

Client ID: P-3 RE(2-4)

Instrument: 50MSS3.i

Sample Info: 5099688011

Volume Injected (uL): 1.0

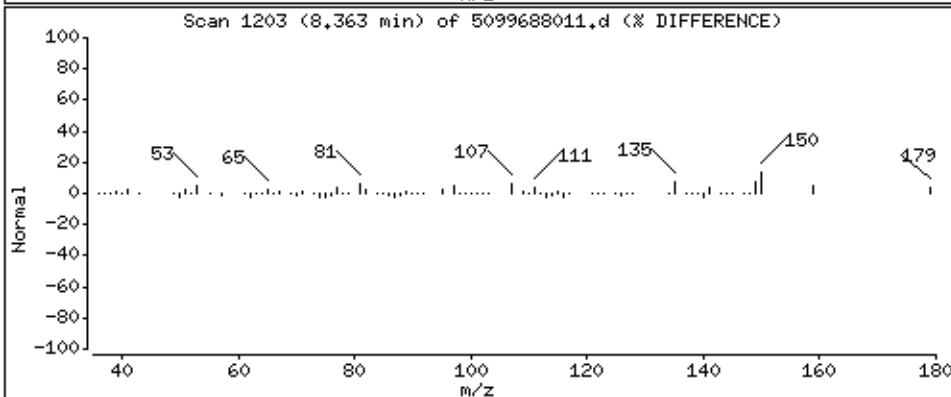
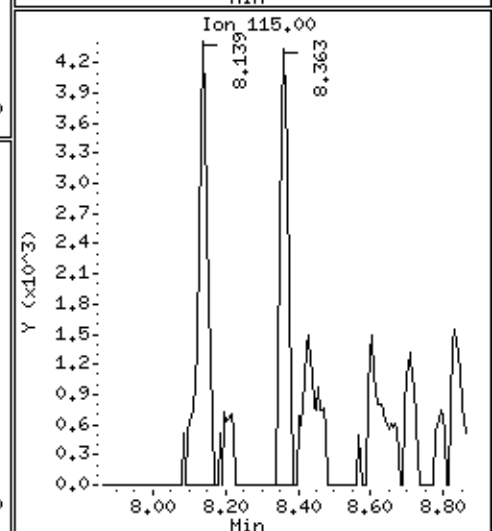
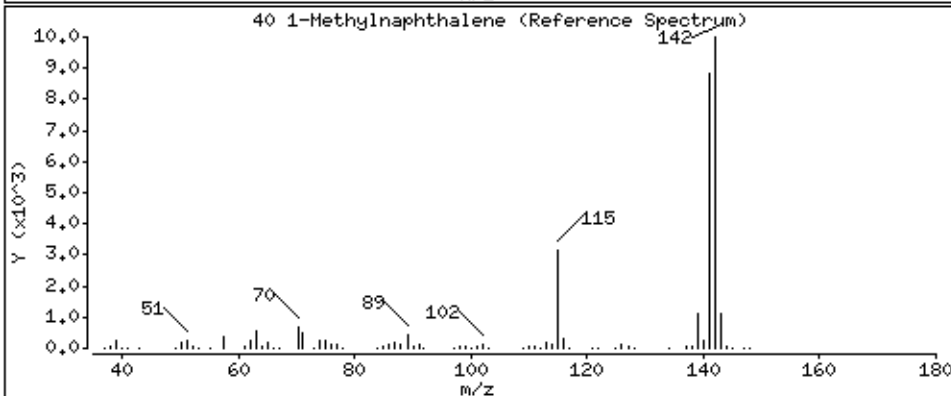
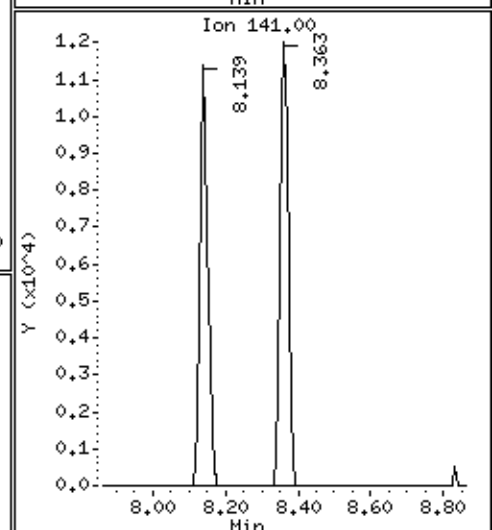
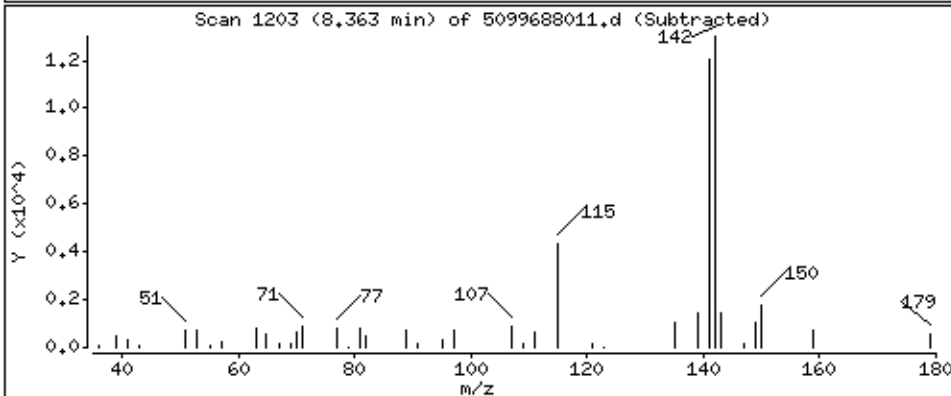
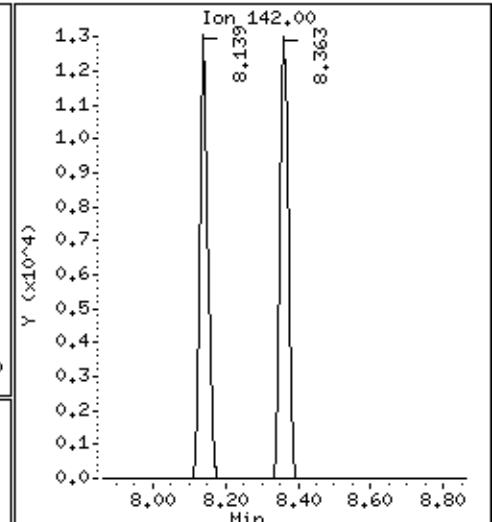
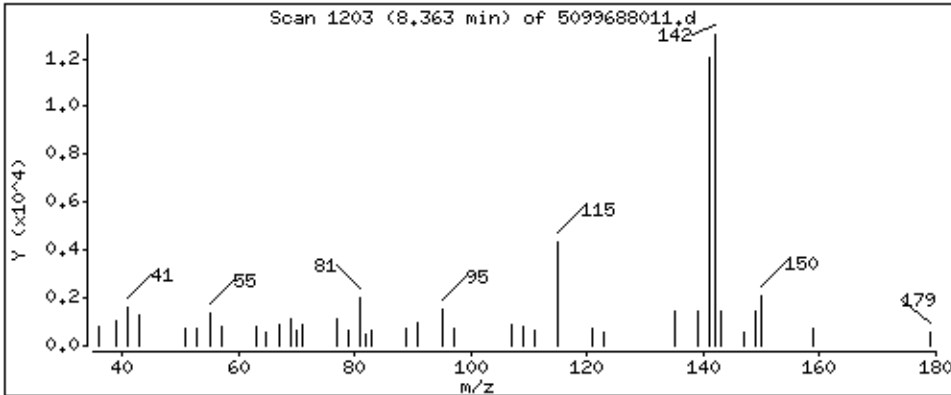
Operator: CEM

Column phase: .50um DB-5ms

Column diameter: 0,25

40 1-Methylnaphthalene

Concentration: 80,68 ug/Kg



Date : 27-JUN-2014 22:48

Client ID: P-3 RE(2-4)

Instrument: 50MSS3.i

Sample Info: 5099688011

Volume Injected (uL): 1.0

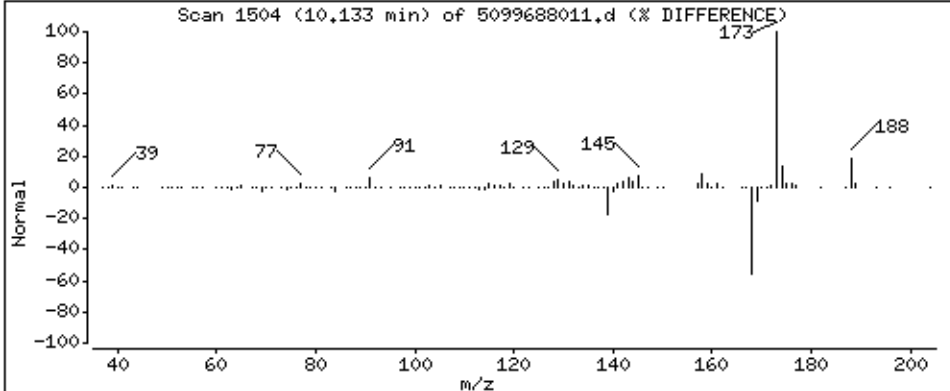
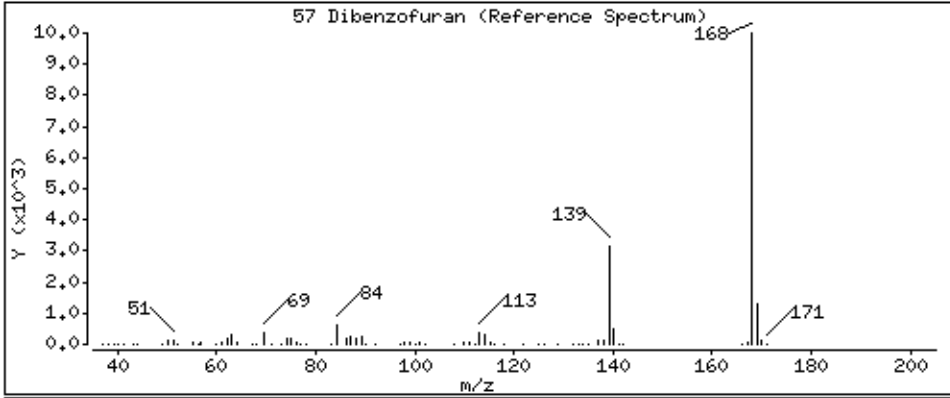
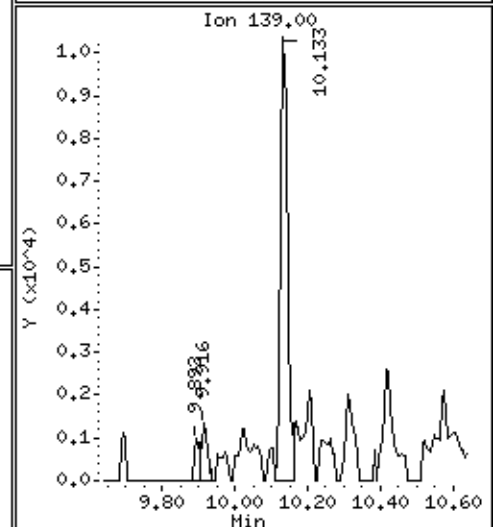
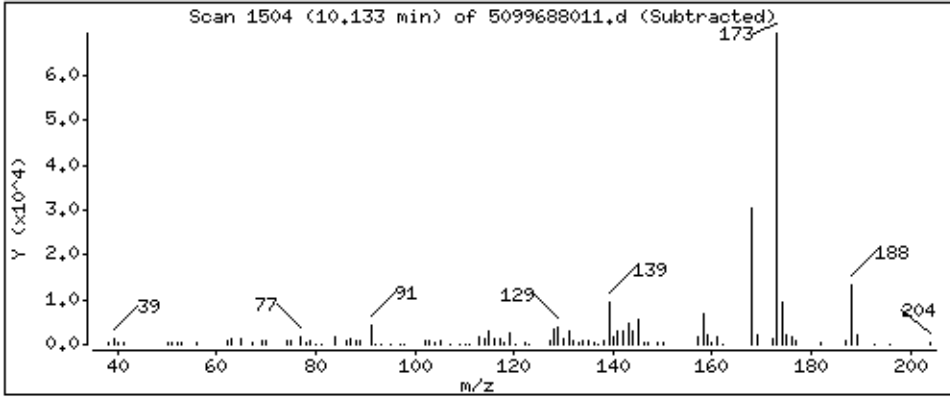
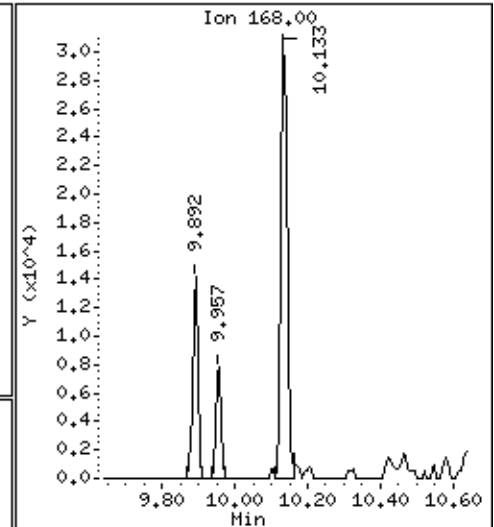
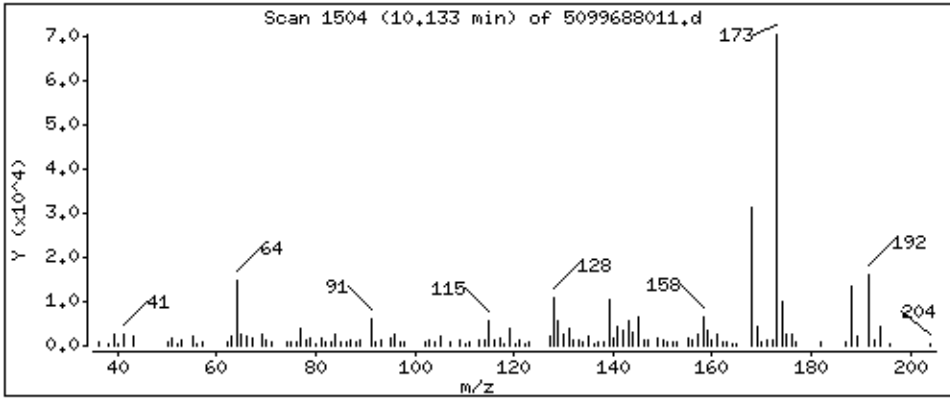
Operator: CEM

Column phase: .50um DB-5ms

Column diameter: 0,25

57 Dibenzofuran

Concentration: 95,50 ug/Kg



Date : 27-JUN-2014 22:48

Client ID: P-3 RE(2-4)

Instrument: 50MSS3.i

Sample Info: 5099688011

Volume Injected (uL): 1.0

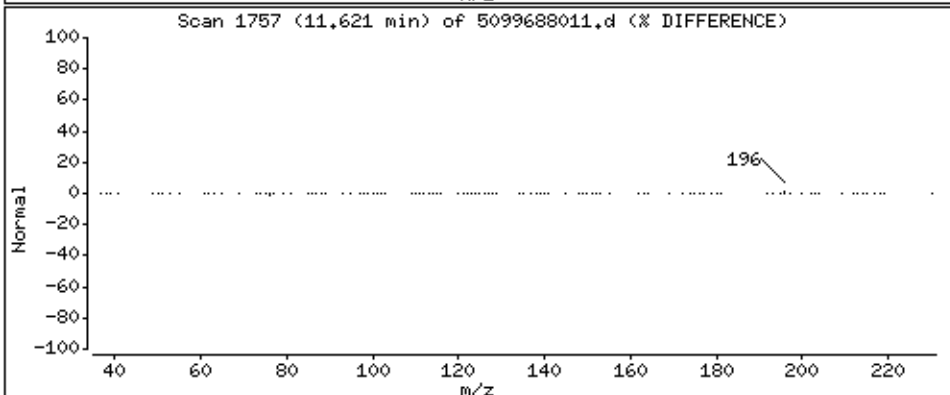
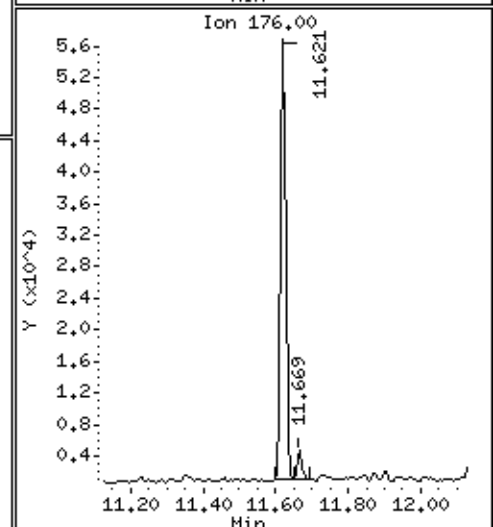
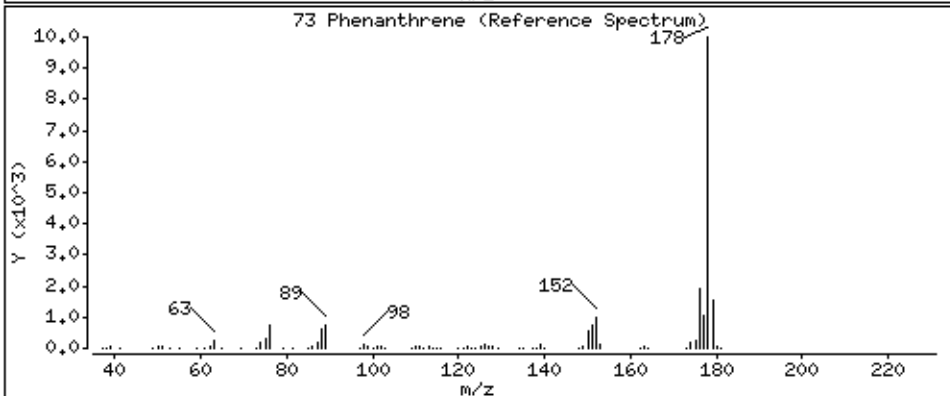
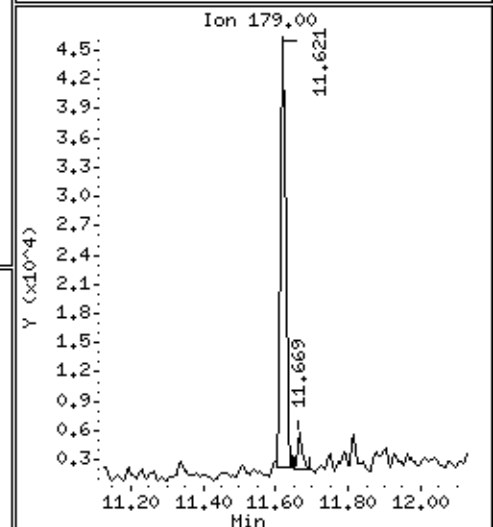
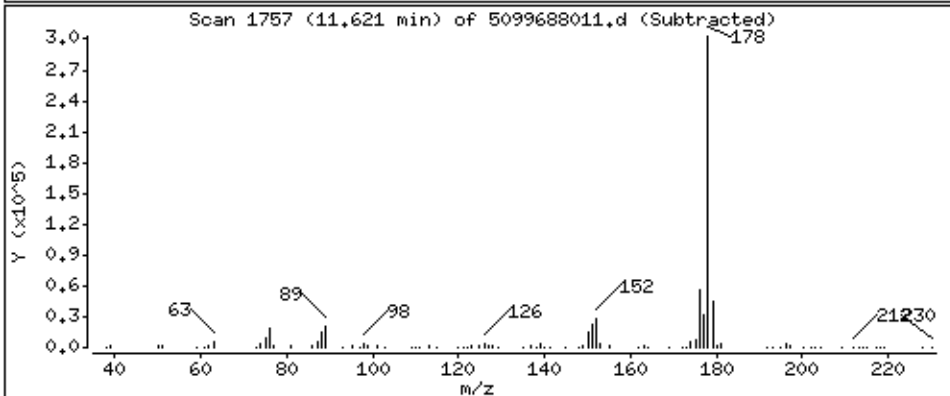
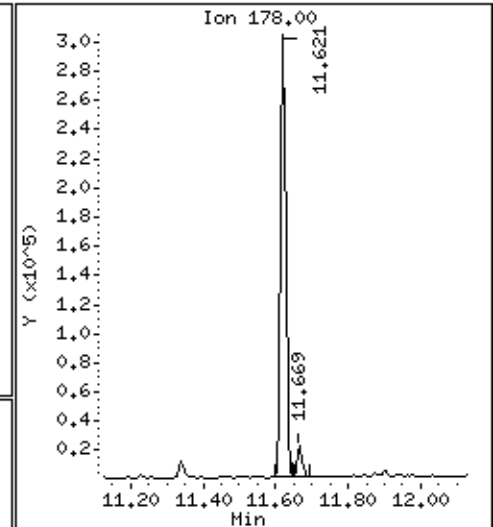
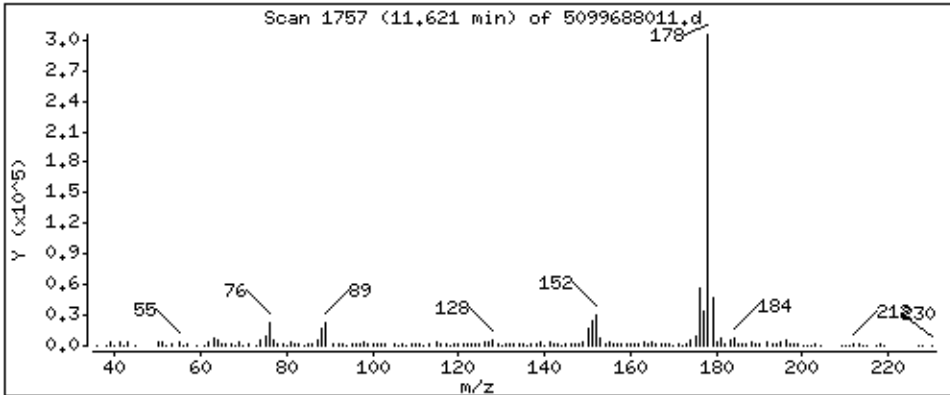
Operator: CEM

Column phase: .50um DB-5ms

Column diameter: 0,25

73 Phenanthrene

Concentration: 571.5 ug/Kg



Date : 27-JUN-2014 22:48

Client ID: P-3 RE(2-4)

Instrument: 50MSS3.i

Sample Info: 5099688011

Volume Injected (uL): 1.0

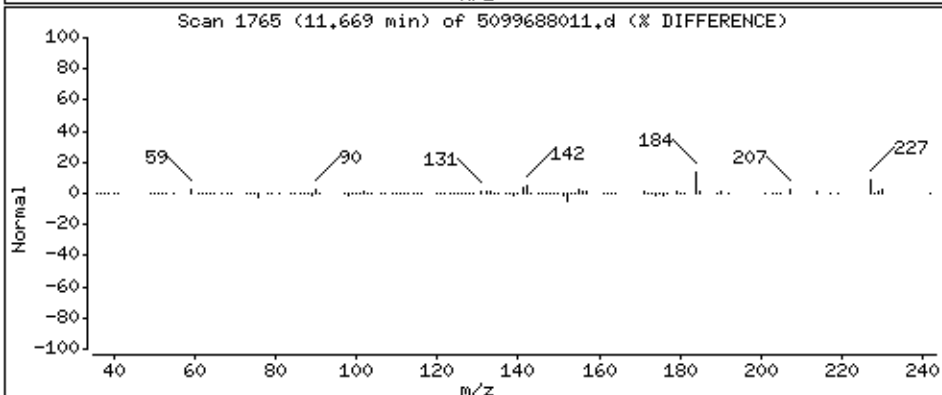
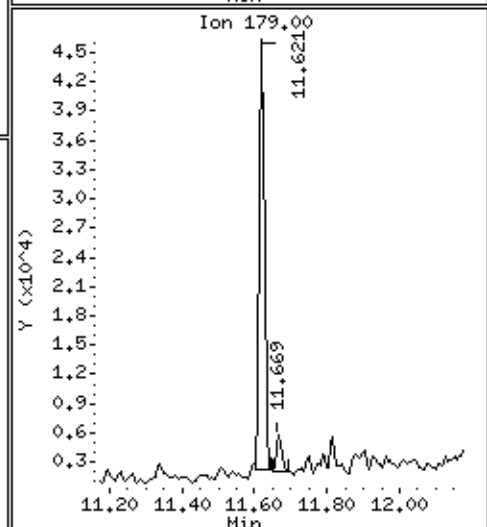
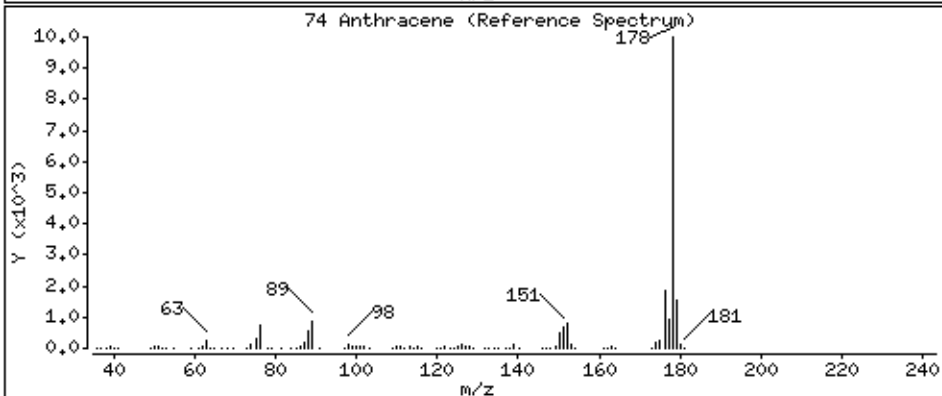
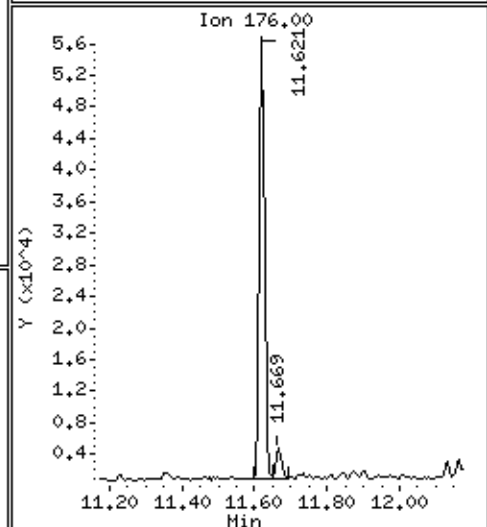
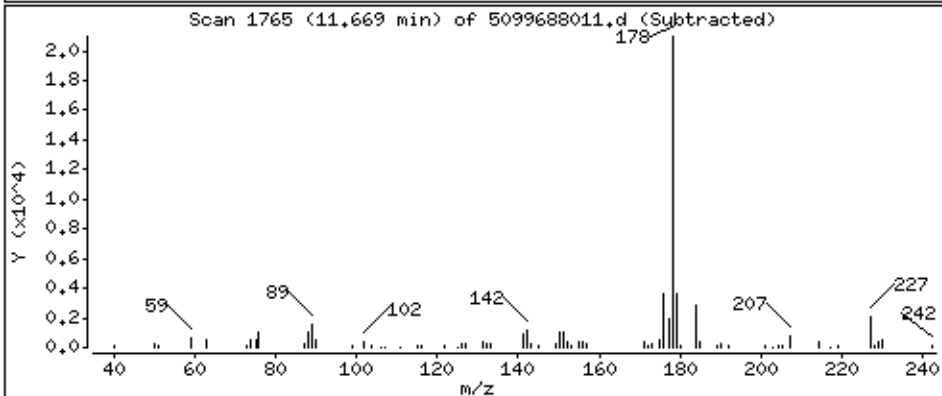
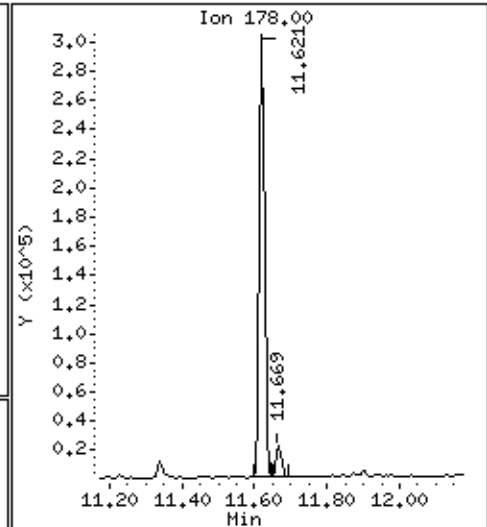
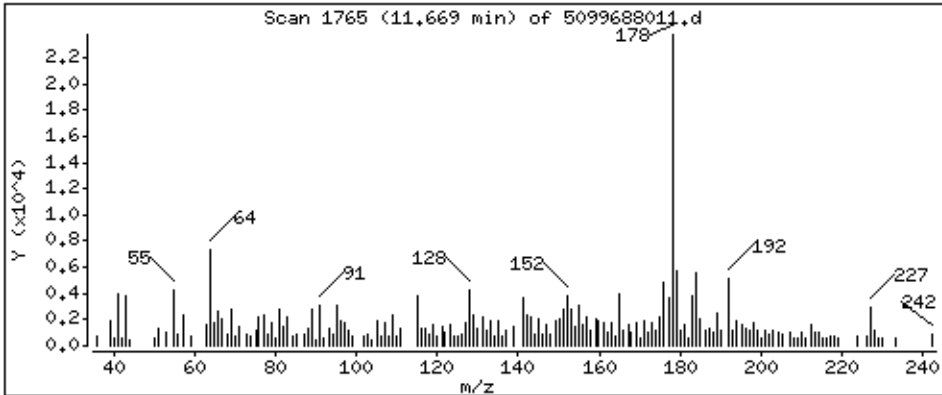
Operator: CEM

Column phase: .50um DB-5ms

Column diameter: 0,25

74 Anthracene

Concentration: 42,36 ug/Kg



Date : 27-JUN-2014 22:48

Client ID: P-3 RE(2-4)

Instrument: 50MSS3.i

Sample Info: 5099688011

Volume Injected (uL): 1.0

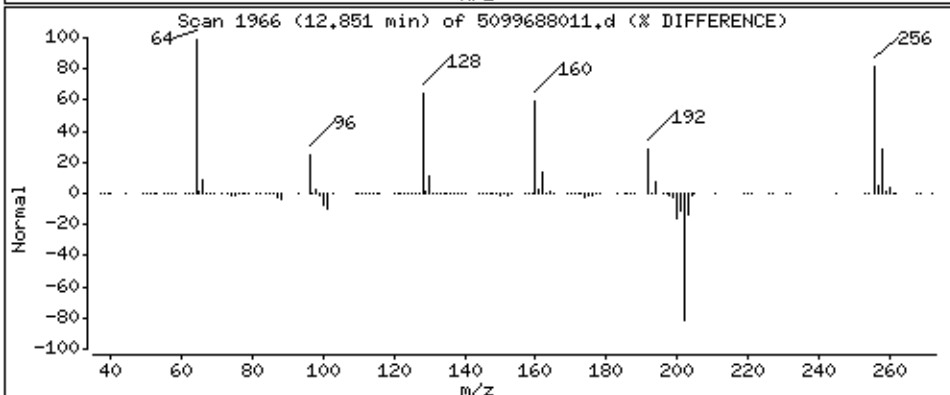
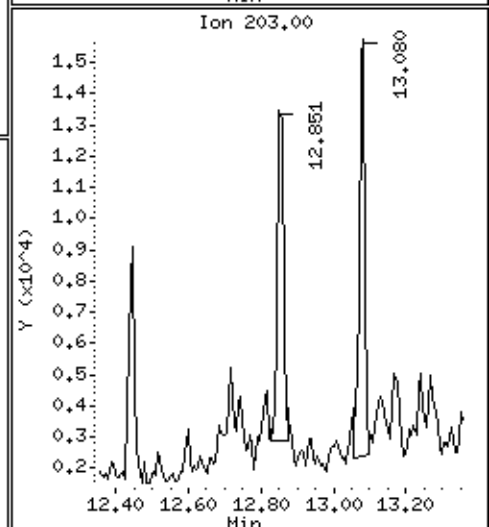
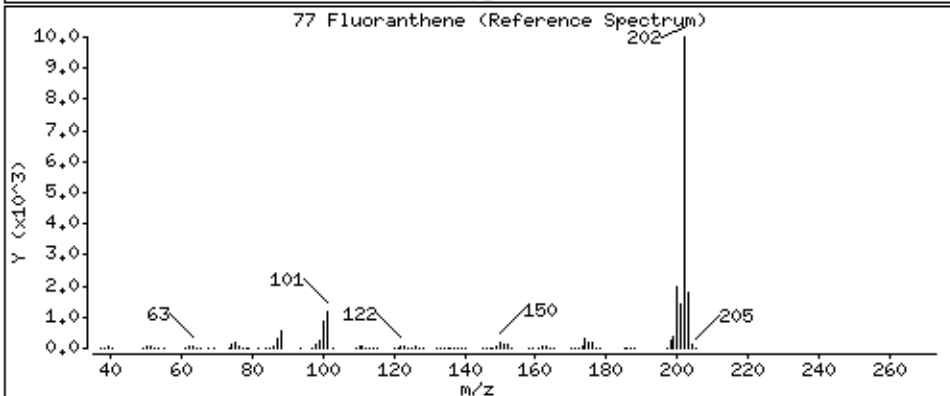
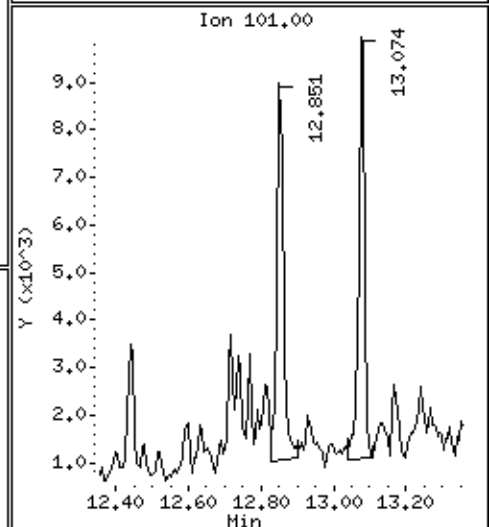
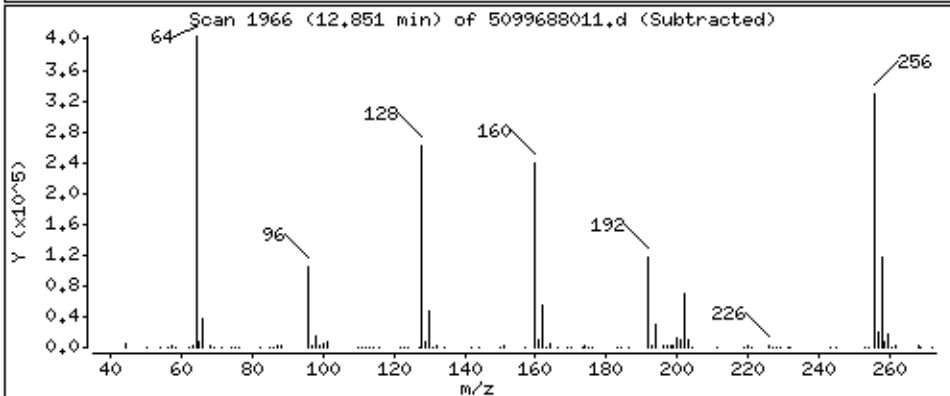
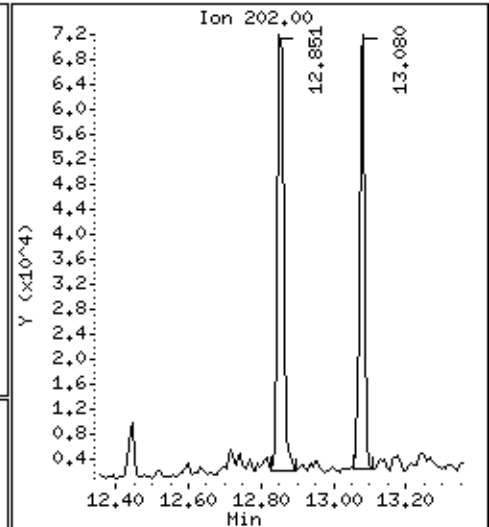
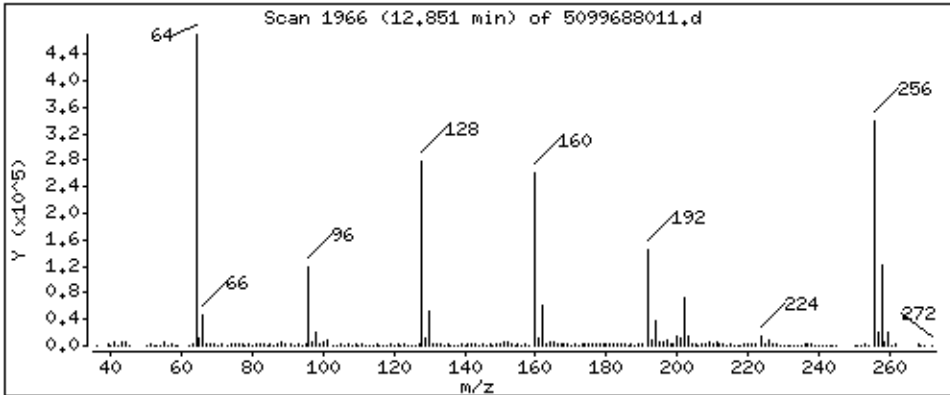
Operator: CEM

Column phase: .50um DB-5ms

Column diameter: 0,25

77 Fluoranthene

Concentration: 140.7 ug/Kg



Date : 27-JUN-2014 22:48

Client ID: P-3 RE(2-4)

Instrument: 50MSS3.i

Sample Info: 5099688011

Volume Injected (uL): 1.0

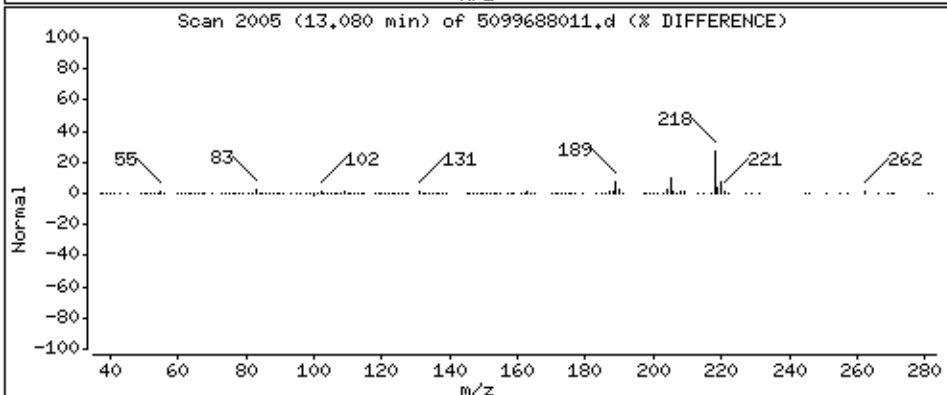
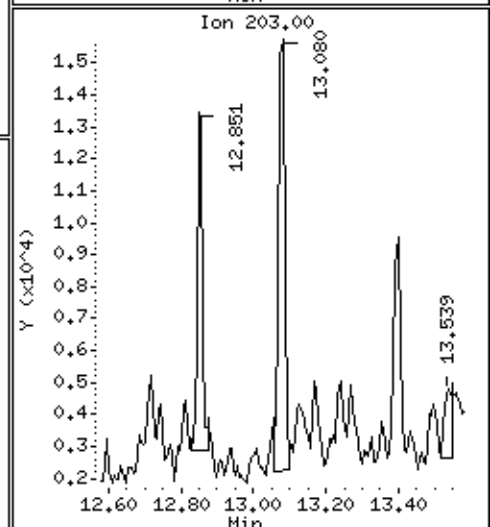
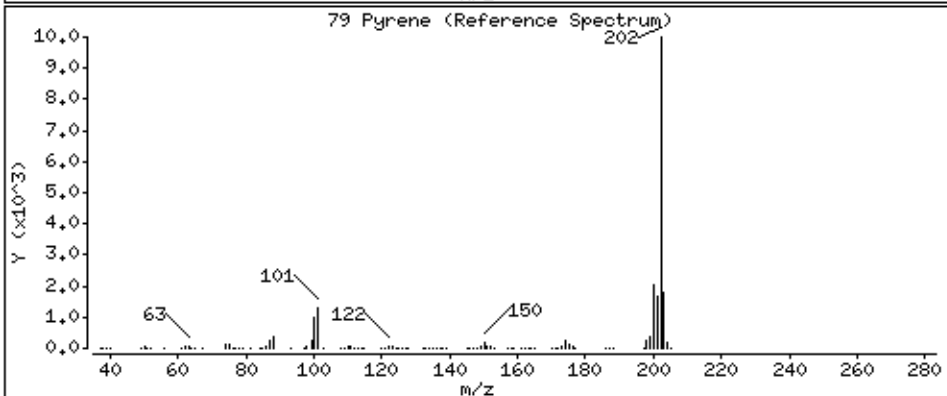
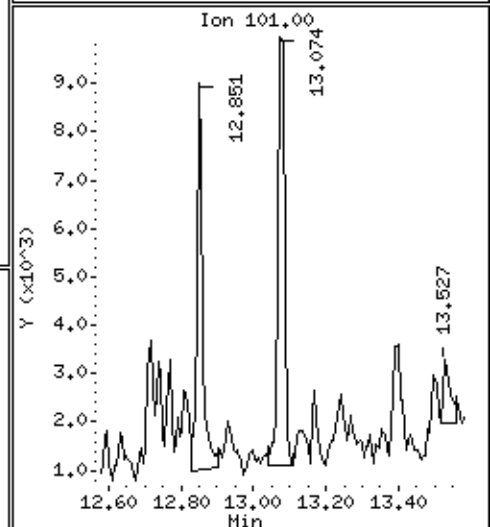
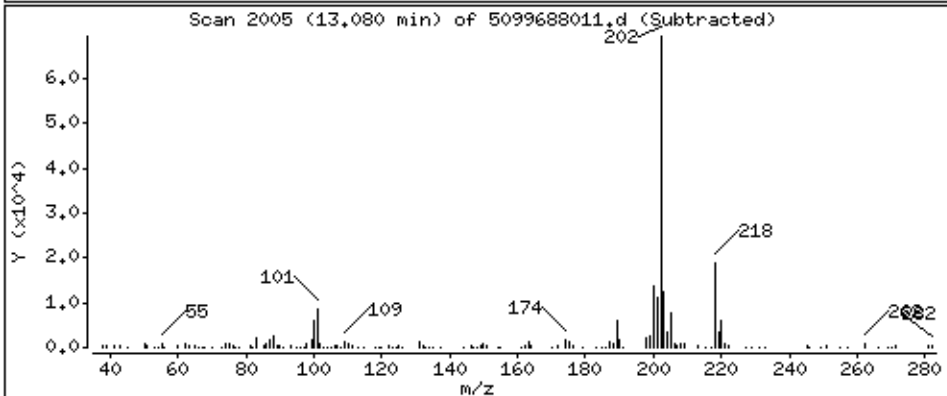
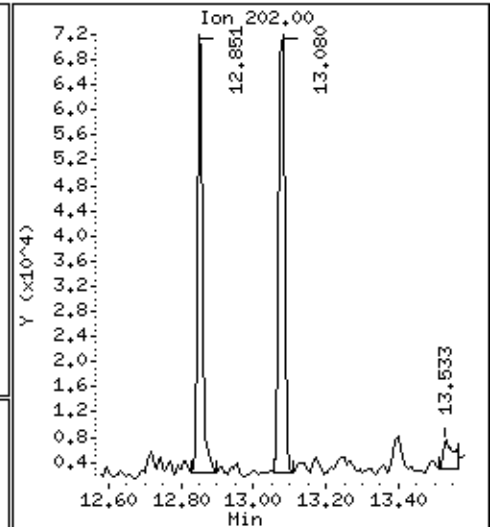
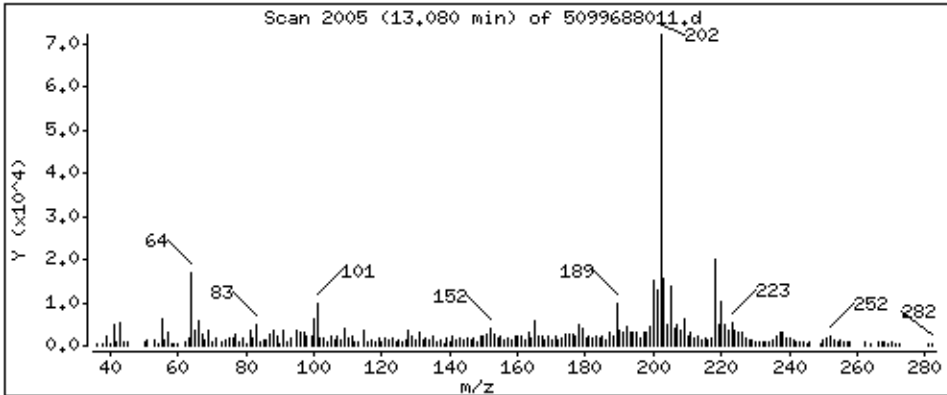
Operator: CEM

Column phase: .50um DB-5ms

Column diameter: 0,25

79 Pyrene

Concentration: 127.8 ug/Kg



Date : 27-JUN-2014 22:48

Client ID: P-3 RE(2-4)

Instrument: 50MSS3.i

Sample Info: 5099688011

Volume Injected (uL): 1.0

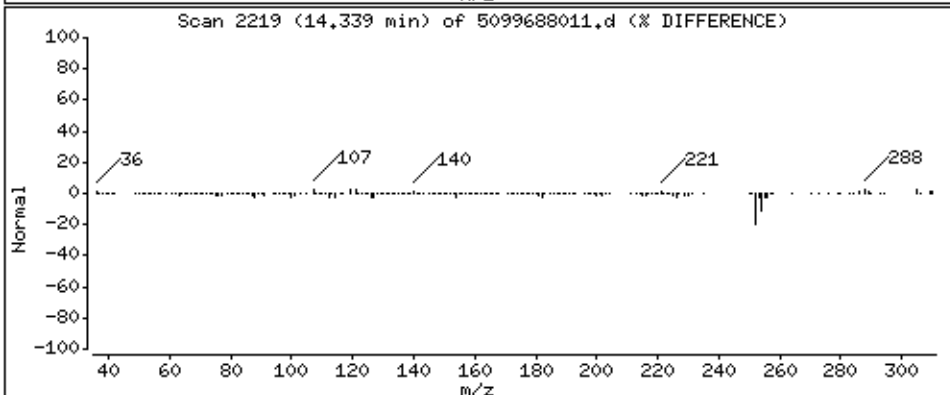
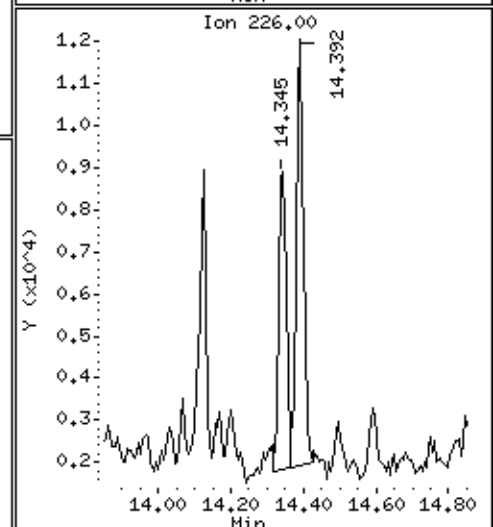
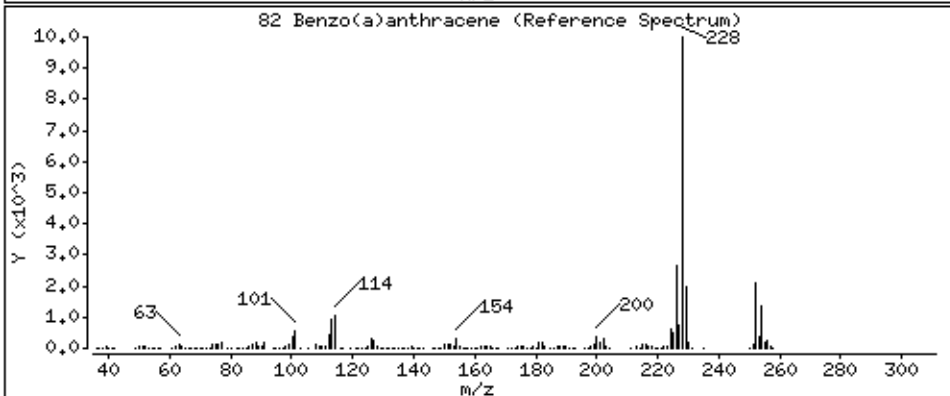
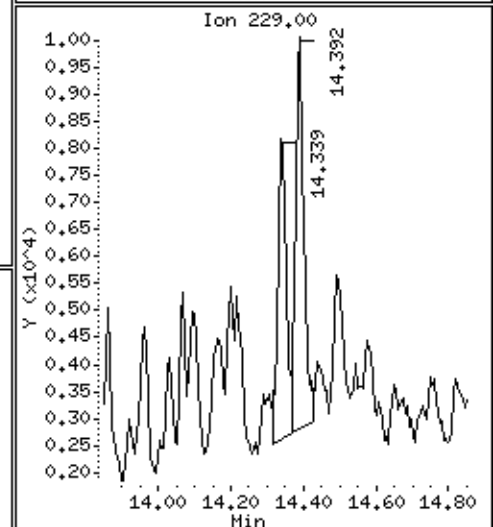
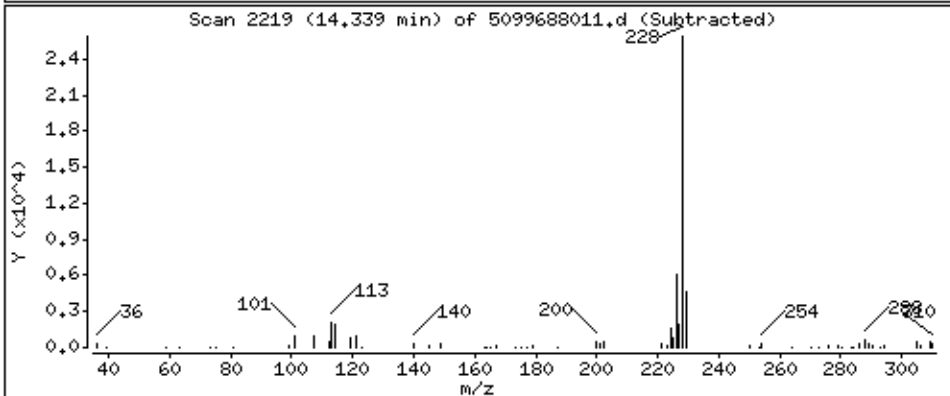
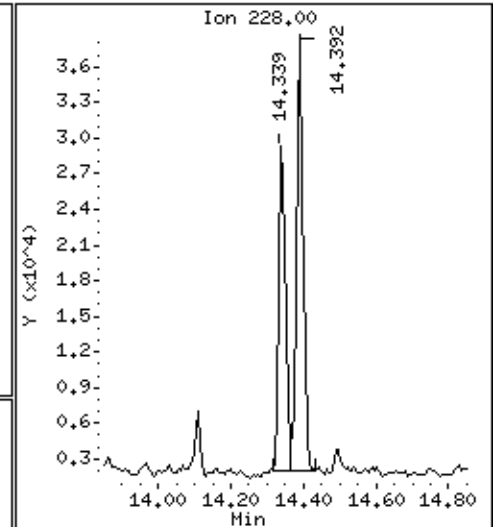
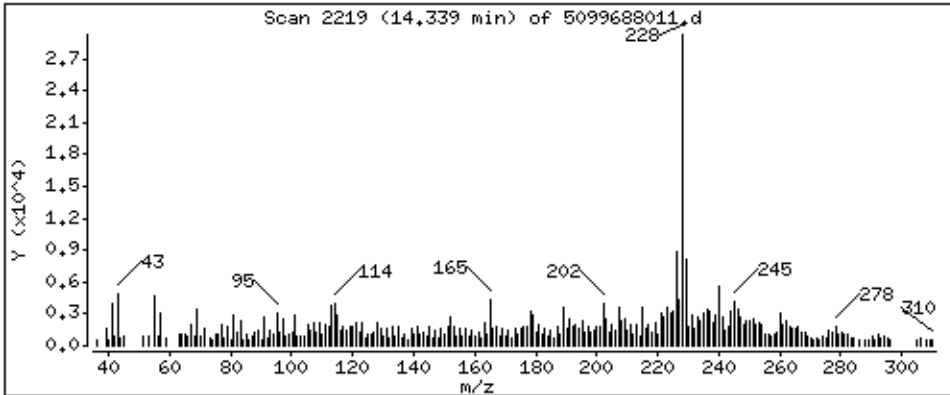
Operator: CEM

Column phase: .50um DB-5ms

Column diameter: 0,25

82 Benzo(a)anthracene

Concentration: 53,78 ug/Kg



Date : 27-JUN-2014 22:48

Client ID: P-3 RE(2-4)

Instrument: 50MSS3.i

Sample Info: 5099688011

Volume Injected (uL): 1.0

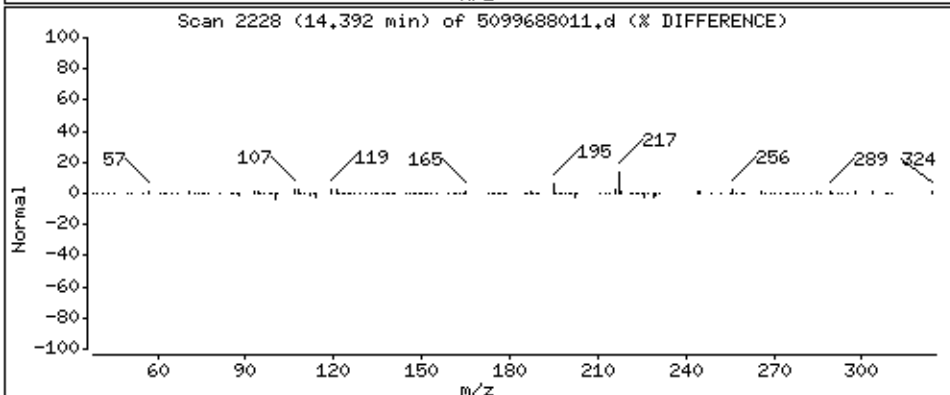
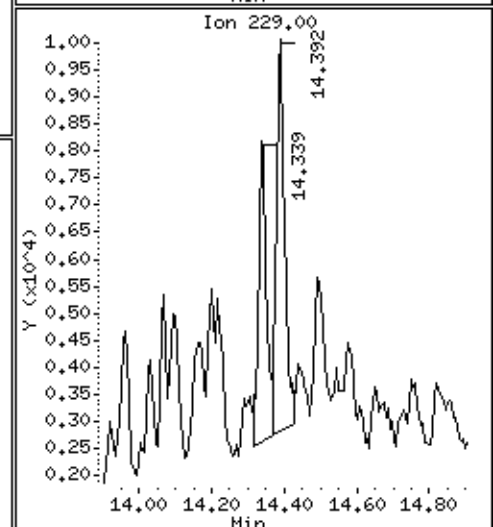
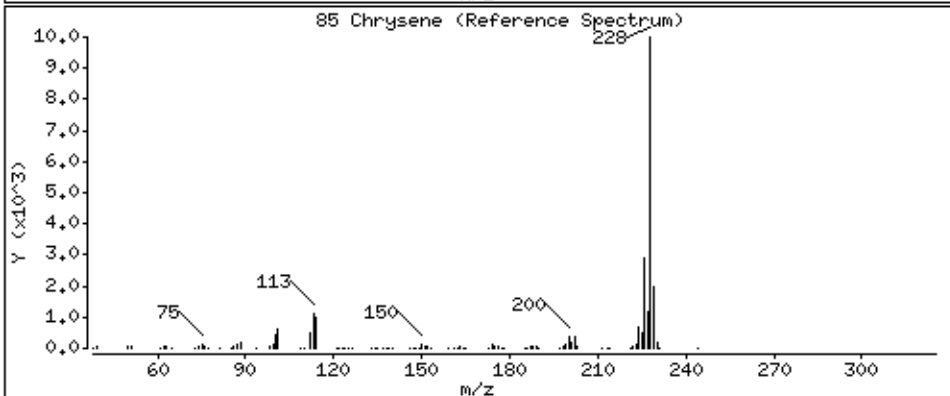
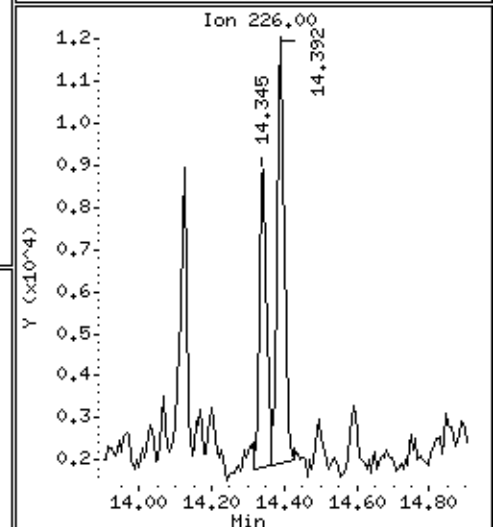
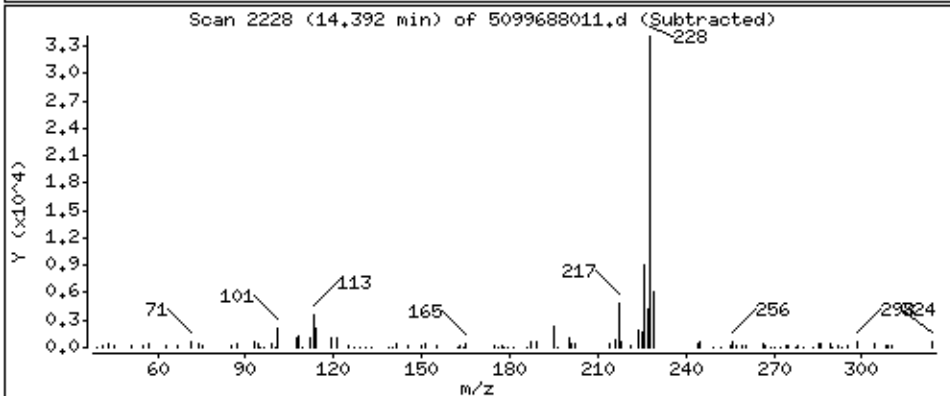
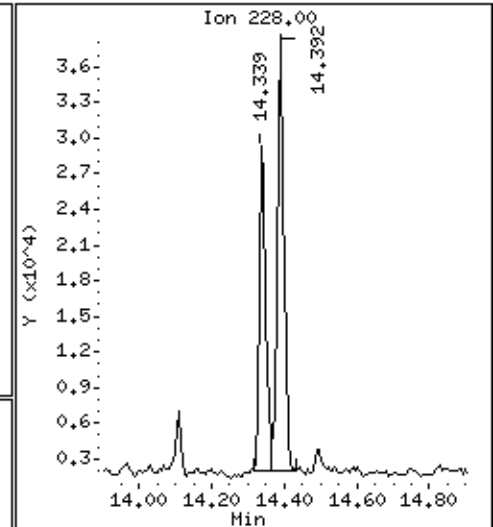
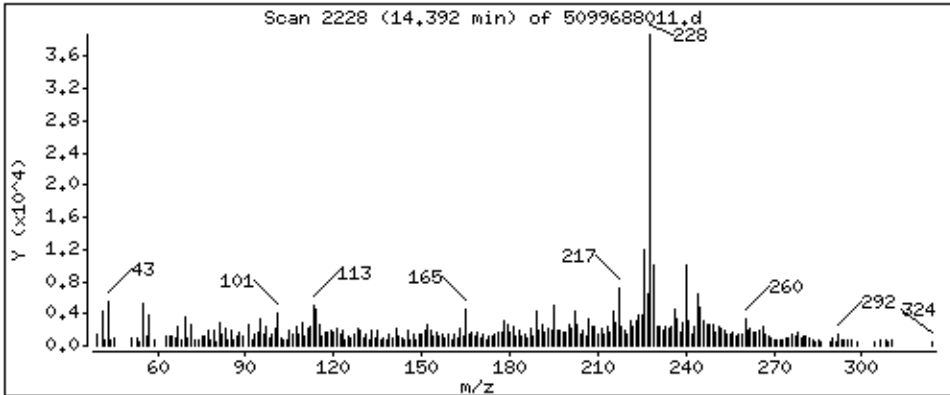
Operator: CEM

Column phase: .50um DB-5ms

Column diameter: 0,25

85 Chrysene

Concentration: 76,92 ug/Kg



Date : 27-JUN-2014 22:48

Client ID: P-3 RE(2-4)

Instrument: 50MSS3.i

Sample Info: 5099688011

Volume Injected (uL): 1.0

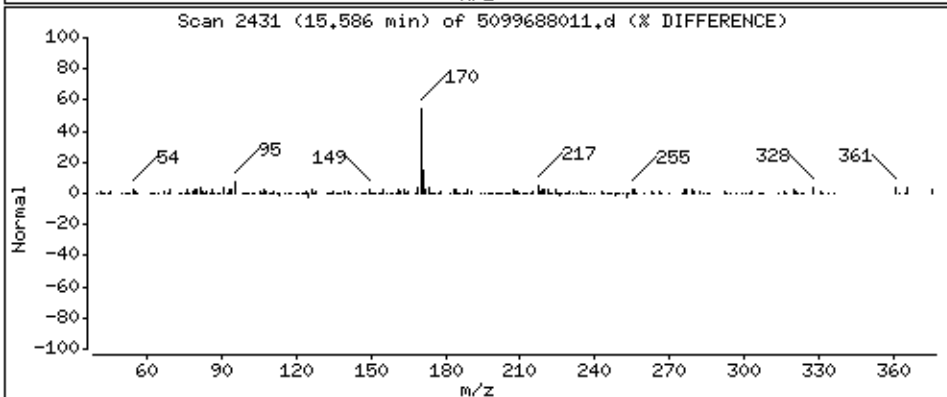
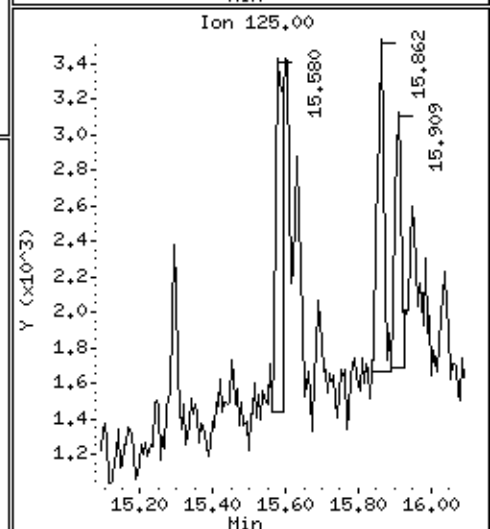
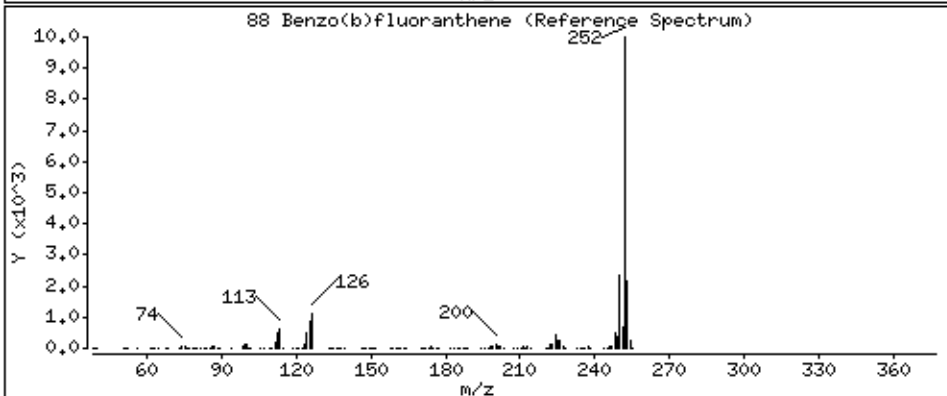
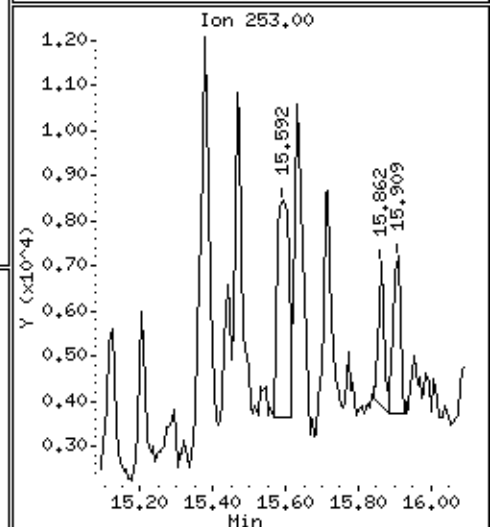
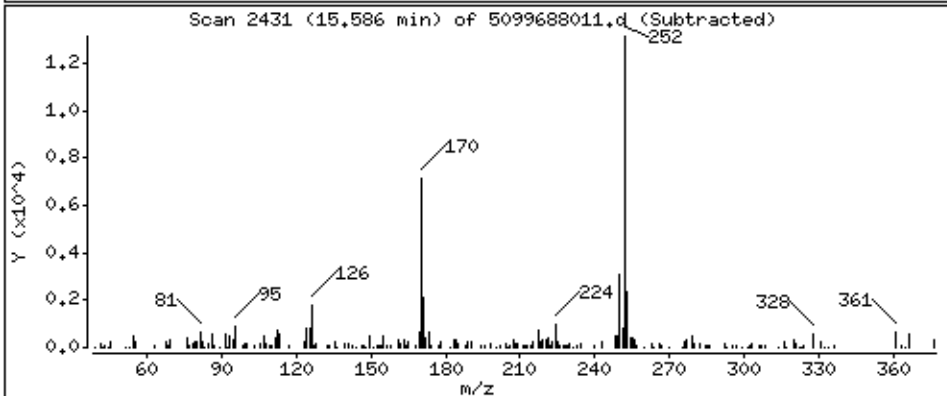
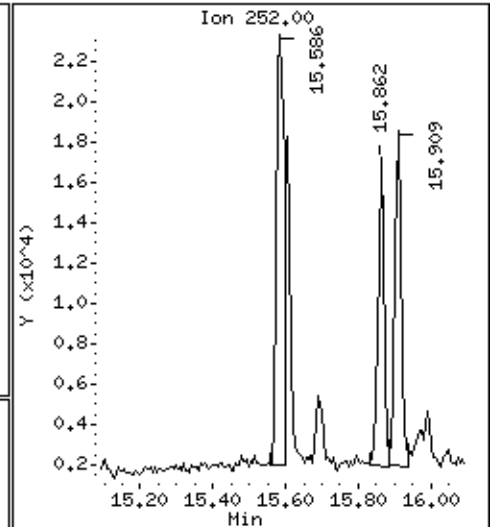
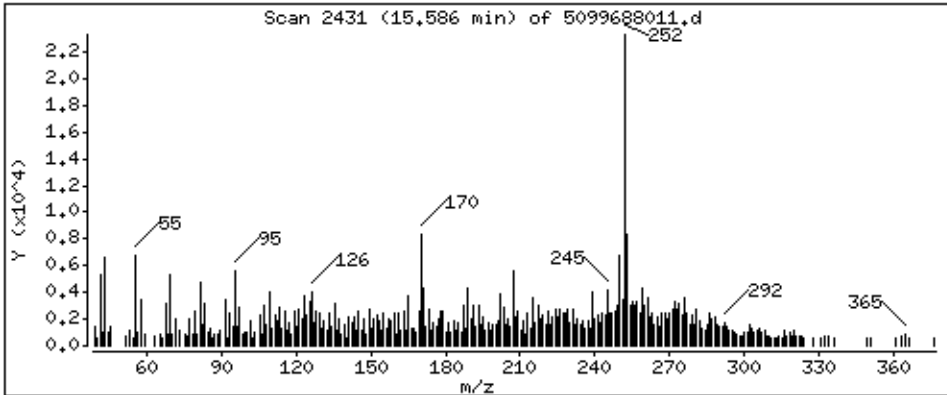
Operator: CEM

Column phase: .50um DB-5ms

Column diameter: 0,25

88 Benzo(b)fluoranthene

Concentration: 65,46 ug/Kg



Date : 27-JUN-2014 22:48

Client ID: P-3 RE(2-4)

Instrument: 50MSS3.i

Sample Info: 5099688011

Volume Injected (uL): 1.0

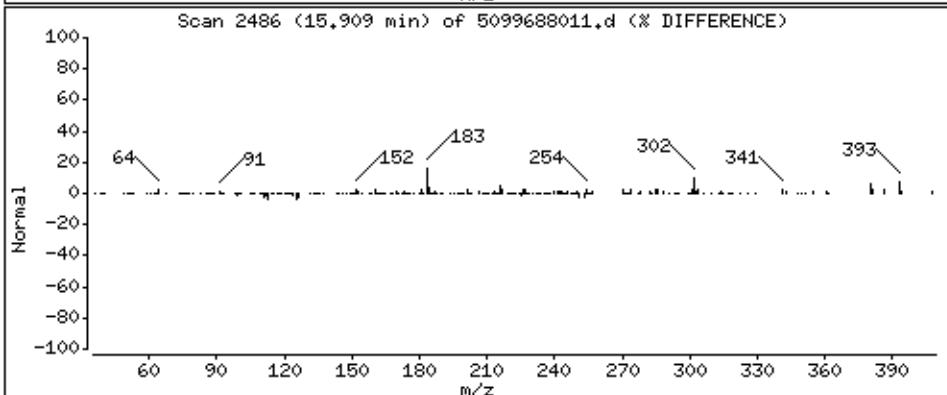
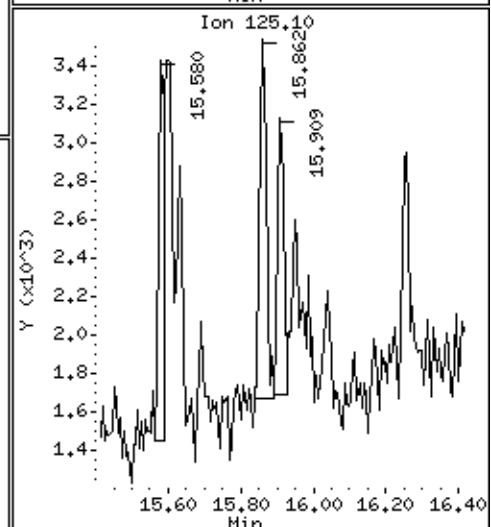
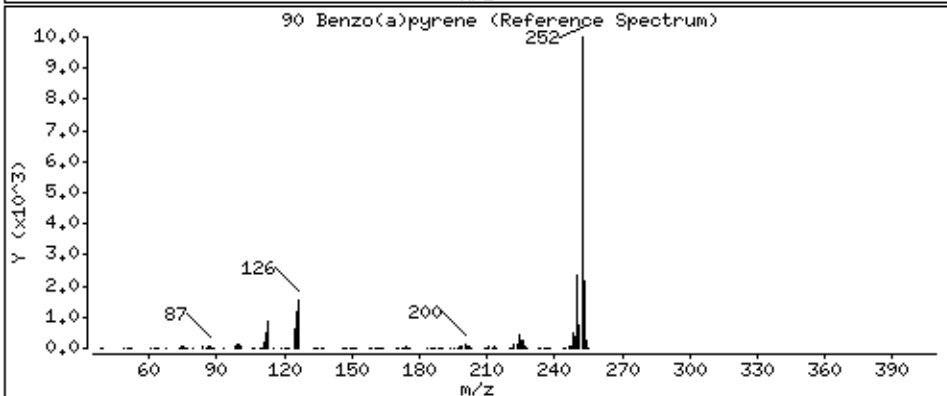
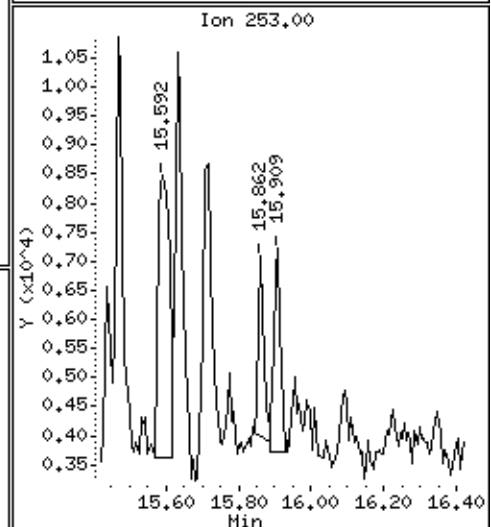
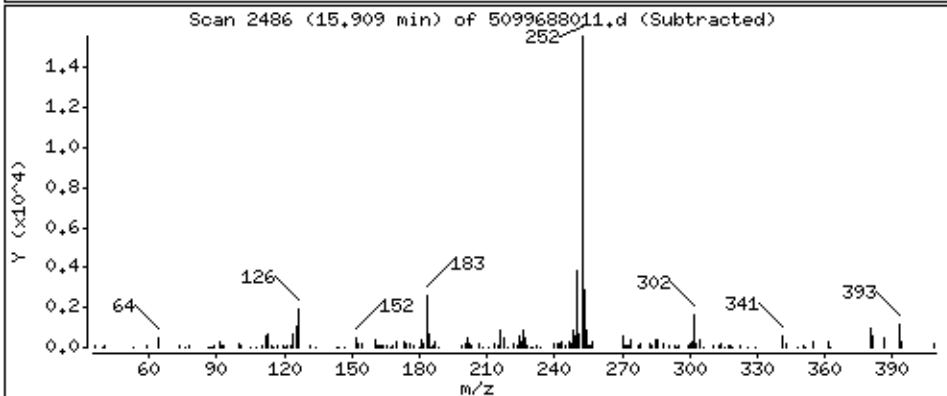
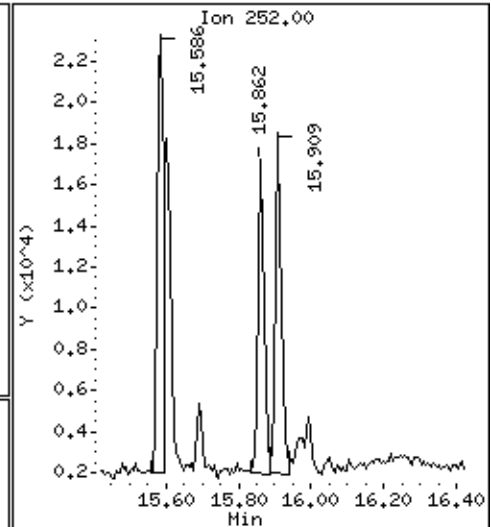
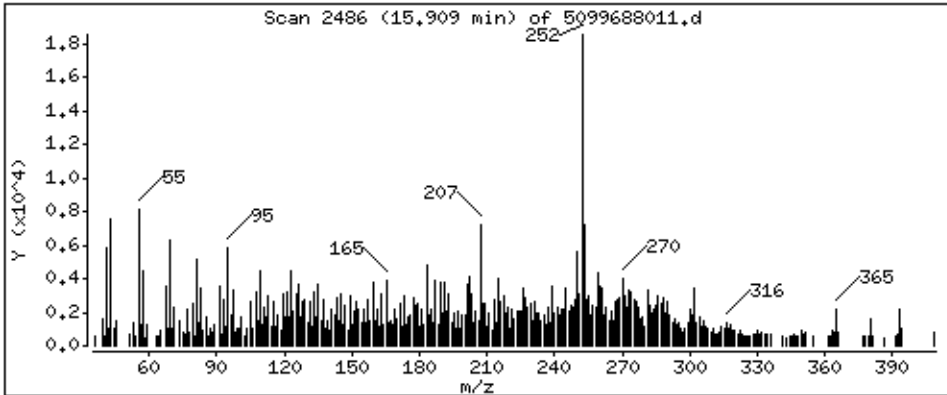
Operator: CEM

Column phase: .50um DB-5ms

Column diameter: 0,25

90 Benzo(a)pyrene

Concentration: 44,14 ug/Kg



MSSV FULL SCAN - FORM I SVOA-1
SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

P-8 RE(0-2)

Lab Name: Pace Analytical - Indiana
Date Received: 06/21/2014 10:54
Date Extracted: 06/25/2014 12:30
Date Analyzed: 06/27/2014 23:11
Initial wt/vol: 30.3 g Final wt/vol: 1 mL Dilution: 1

Contract: Sibley-Accucast/2339-356-03-00
Matrix: Solid SDG No.: 5099688
Lab Sample ID: 5099688012
Lab File ID: 062714.B\5099688012.D
Instrument: 50MSS3 Percent Moisture: 12.7%

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
83-32-9	Acenaphthene	ND	U
208-96-8	Acenaphthylene	ND	U
120-12-7	Anthracene	ND	U
56-55-3	Benzo(a)anthracene	ND	U
50-32-8	Benzo(a)pyrene	ND	U
205-99-2	Benzo(b)fluoranthene	ND	U
191-24-2	Benzo(g,h,i)perylene	ND	U
207-08-9	Benzo(k)fluoranthene	ND	U
100-51-6	Benzyl alcohol	ND	U
101-55-3	4-Bromophenylphenyl ether	ND	U
85-68-7	Butylbenzylphthalate	ND	U
59-50-7	4-Chloro-3-methylphenol	ND	U
106-47-8	4-Chloroaniline	ND	U
111-91-1	bis(2-Chloroethoxy)methane	ND	U
111-44-4	bis(2-Chloroethyl) ether	ND	U
108-60-1	bis(2chloro1methylethyl) ether	ND	U
91-58-7	2-Chloronaphthalene	ND	U
95-57-8	2-Chlorophenol	ND	U
7005-72-3	4-Chlorophenylphenyl ether	ND	U
218-01-9	Chrysene	ND	U
53-70-3	Dibenz(a,h)anthracene	ND	U
132-64-9	Dibenzofuran	ND	U
91-94-1	3,3'-Dichlorobenzidine	ND	U
120-83-2	2,4-Dichlorophenol	ND	U
84-66-2	Diethylphthalate	ND	U
105-67-9	2,4-Dimethylphenol	ND	U
131-11-3	Dimethylphthalate	ND	U
84-74-2	Di-n-butylphthalate	ND	U
534-52-1	4,6-Dinitro-2-methylphenol	ND	U
51-28-5	2,4-Dinitrophenol	ND	U
121-14-2	2,4-Dinitrotoluene	ND	U
606-20-2	2,6-Dinitrotoluene	ND	U
117-84-0	Di-n-octylphthalate	ND	U
117-81-7	bis(2-Ethylhexyl)phthalate	ND	U
206-44-0	Fluoranthene	ND	U
86-73-7	Fluorene	ND	U
87-68-3	Hexachloro-1,3-butadiene	ND	U

07/21/2014 8:54

MSSV FULL SCAN - FORM I SVOA-2
SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

P-8 RE(0-2)

Lab Name: Pace Analytical - Indiana
Date Received: 06/21/2014 10:54
Date Extracted: 06/25/2014 12:30
Date Analyzed: 06/27/2014 23:11
Initial wt/vol: 30.3 g Final wt/vol: 1 mL Dilution: 1

Contract: Sibley-Accucast/2339-356-03-00
Matrix: Solid SDG No.: 5099688
Lab Sample ID: 5099688012
Lab File ID: 062714.B\5099688012.D
Instrument: 50MSS3 Percent Moisture: 12.7%

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
118-74-1	Hexachlorobenzene	ND	U
77-47-4	Hexachlorocyclopentadiene	ND	U
67-72-1	Hexachloroethane	ND	U
193-39-5	Indeno(1,2,3-cd)pyrene	ND	U
78-59-1	Isophorone	ND	U
91-57-6	2-Methylnaphthalene	1220	
95-48-7	2-Methylphenol(o-Cresol)	504	
	3&4-Methylphenol(m&p Cresol)	ND	U
91-20-3	Naphthalene	3120	
88-74-4	2-Nitroaniline	ND	U
99-09-2	3-Nitroaniline	ND	U
100-01-6	4-Nitroaniline	ND	U
98-95-3	Nitrobenzene	ND	U
88-75-5	2-Nitrophenol	ND	U
100-02-7	4-Nitrophenol	ND	U
621-64-7	N-Nitroso-di-n-propylamine	ND	U
86-30-6	N-Nitrosodiphenylamine	ND	U
87-86-5	Pentachlorophenol	ND	U
85-01-8	Phenanthrene	710	
108-95-2	Phenol	1960	
129-00-0	Pyrene	ND	U
95-95-4	2,4,5-Trichlorophenol	ND	U
88-06-2	2,4,6-Trichlorophenol	ND	U

07/21/2014 8:54

Pace Analytical Services, Inc.

Semivolatile REPORT SW-846 Method 8270/EPA 625

Data file : \\192.168.50.6\chem\50MSS3.i\062714.b\5099688012.d
 Lab Smp Id: 5099688012 Client Smp ID: P-8 RE(0-2)
 Inj Date : 27-JUN-2014 23:11
 Operator : CEM Inst ID: 50MSS3.i
 Smp Info : 5099688012
 Misc Info : 15583
 Comment :
 Method : \\192.168.50.6\chem\50MSS3.i\062714.b\8270c.m
 Meth Date : 30-Jun-2014 13:19 50MSS3.i Quant Type: ISTD
 Cal Date : 10-JUN-2014 12:11 Cal File: 100ppm.d
 Als bottle: 28
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: most.sub
 Target Version: 4.14
 Processing Host: 50-SVOA-SN

Concentration Formula: Amt * DF * Uf * Vt / (Vi * Ws * (100 - M) / 100) * CpndV

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vt	1000.000	Volume of final extract (uL)
Vi	1.000	Volume Injected (uL)
Ws	30.300	Weight of sample extracted (g)
M	12.657	% Moisture
Cpnd Variable		Local Compound Variable

Compounds	QUANT	SIG	CONCENTRATIONS				
			ON-COLUMN	FINAL			
	MASS	RT	EXP RT	REL RT	RESPONSE	(ug/ml)	(ug/Kg)
\$ 3 2-Fluorophenol (S)	112	3.380	3.380	(0.730)	212980	58.6276	2215
5 Benzaldehyde	77	4.163	4.174	(0.898)	10375	12.7085	480.2 (Q)
\$ 7 Phenol-d5 (S)	99	4.404	4.404	(0.950)	285566	63.2223	2389
8 Phenol	94	4.416	4.415	(0.953)	249818	51.8938	1961
* 11 1,4-Dichlorobenzene-d4 (IS)	152	4.633	4.633	(1.000)	126496	40.0000	(Q)
18 2-Methylphenol	108	5.063	5.062	(1.093)	47535	13.3506	504.5
22 3&4-Methylphenol	108	5.274	5.268	(1.138)	36895	9.45717	357.3
19 Acetophenone	105	5.163	5.162	(1.114)	9074	1.64482	62.15 (Q)
\$ 23 Nitrobenzene-d5 (S)	82	5.363	5.368	(0.824)	235982	64.4129	2434
* 32 Naphthalene-d8 (IS)	136	6.510	6.515	(1.000)	501994	40.0000	
33 Naphthalene	128	6.551	6.557	(1.006)	1050262	82.6486	3123
38 2-Methylnaphthalene	142	8.139	8.145	(1.250)	381994	32.2072	1217
40 1-Methylnaphthalene	142	8.357	8.362	(1.284)	241049	27.7157	1047
\$ 44 2-Fluorobiphenyl (S)	172	8.921	8.927	(0.903)	667017	69.3434	2620
47 Biphenyl (Diphenyl)	154	9.051	9.056	(0.916)	60066	5.51375	208.3
* 53 Acenaphthene-d10 (IS)	164	9.880	9.886	(1.000)	296624	40.0000	
57 Dibenzofuran	168	10.133	10.139	(1.026)	111750	9.26394	350.0
\$ 67 2,4,6-Tribromophenol (S)	330	10.886	10.886	(0.939)	107246	63.5632	2402
* 72 Phenanthrene-d10 (IS)	188	11.598	11.597	(1.000)	536914	40.0000	

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN (ug/ml)	FINAL (ug/Kg)
73 Phenanthrene	178	11.621	11.627	(1.002)	277610	18.7960	710.2
74 Anthracene	178	11.668	11.674	(1.006)	32389	2.18386	82.52
77 Fluoranthene	202	12.850	12.856	(1.108)	63557	3.88915	147.0
79 Pyrene	202	13.080	13.080	(1.128)	64190	3.78848	143.2
\$ 80 p-Terphenyl-d14 (S)	244	13.250	13.256	(1.143)	1024202	91.5443	3459
* 84 Chrysene-d12 (IS)	240	14.362	14.368	(1.000)	728975	40.0000	
86 bis(2-Ethylhexyl)phthalate	149	14.433	14.438	(1.005)	29479	2.67137	100.9
* 91 Perylene-d12 (IS)	264	15.974	15.974	(1.000)	503366	40.0000	
94 Benzo(g,h,i)perylene	276	17.232	17.244	(1.079)	17329	1.16274	43.94

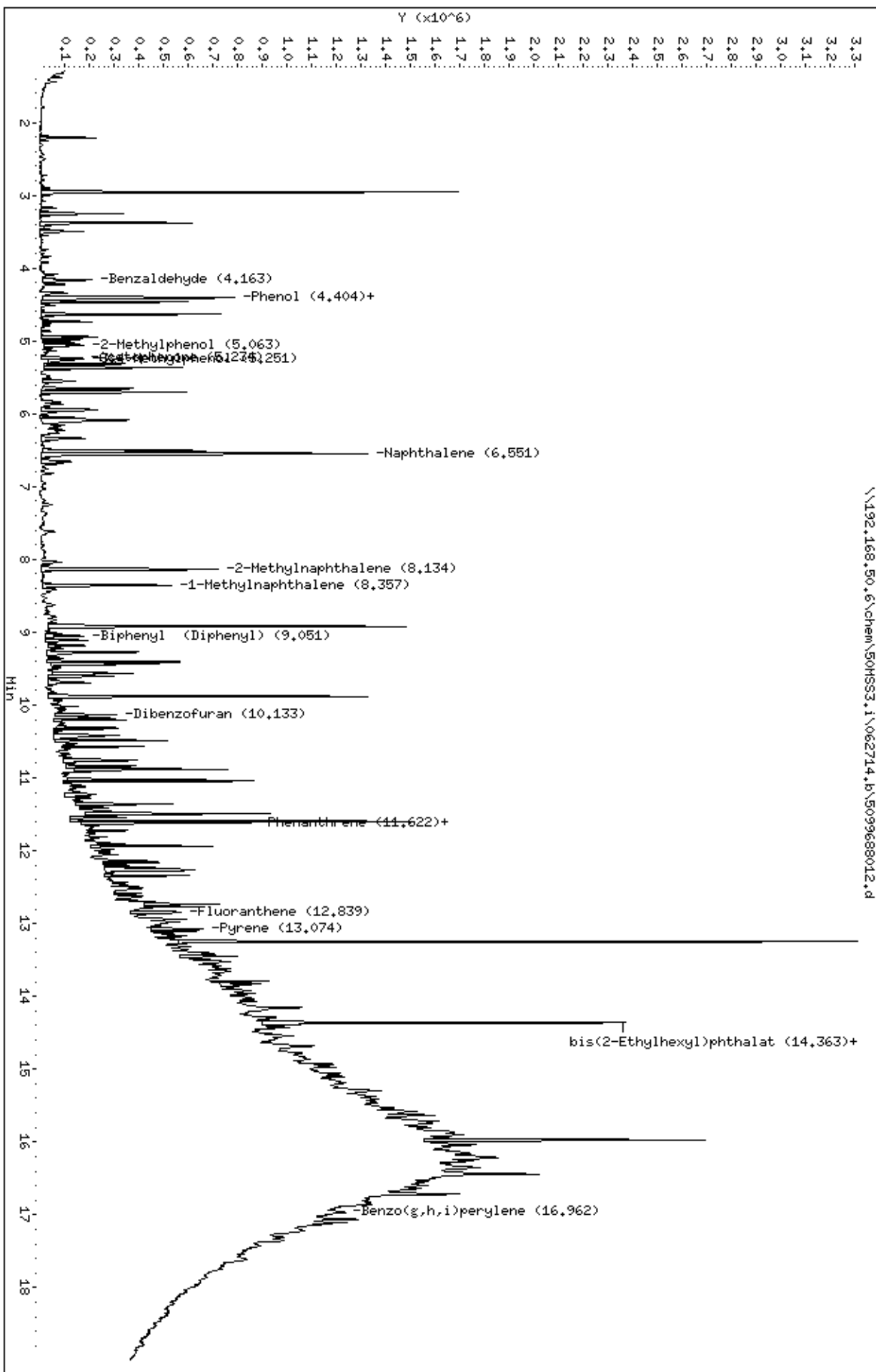
QC Flag Legend

Q - Qualifier signal failed the ratio test.

Data File: \\192.168.50.6\chem\50HSS3.1\062714.B\5099688012.d
 Date: 27-JUN-2014 23:11
 Client ID: P-8 RE(0-2)
 Sample Info: 5099688012
 Volume Injected (uL): 1.0
 Column phase: 50um DB-5ms

Instrument: 50HSS3.1
 Operator: CEH
 Column diameter: 0.25

\\192.168.50.6\chem\50HSS3.1\062714.B\5099688012.d



Date : 27-JUN-2014 23:11

Client ID: P-8 RE(0-2)

Instrument: 50MSS3.i

Sample Info: 5099688012

Volume Injected (uL): 1.0

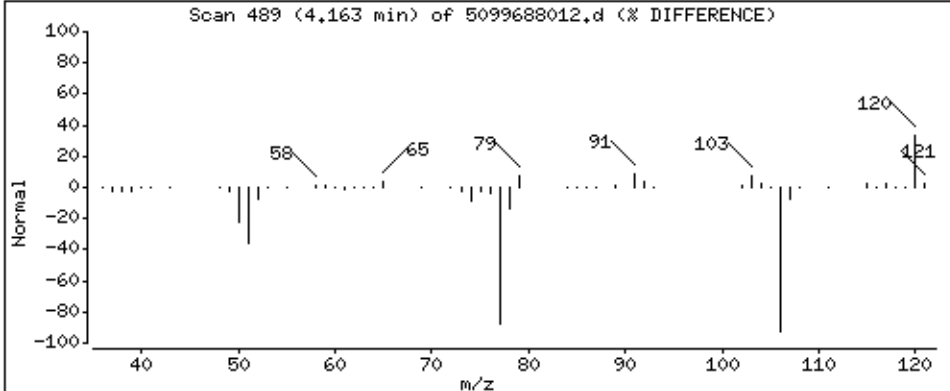
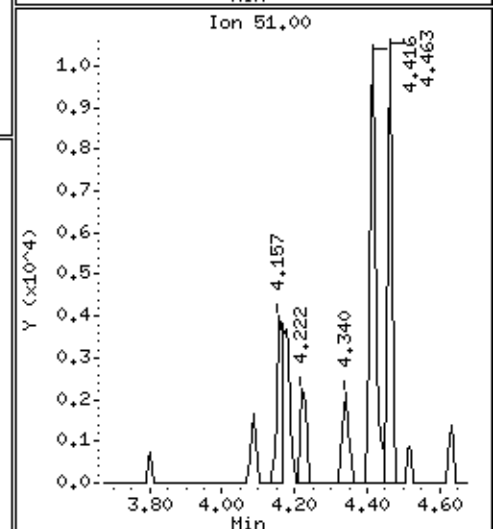
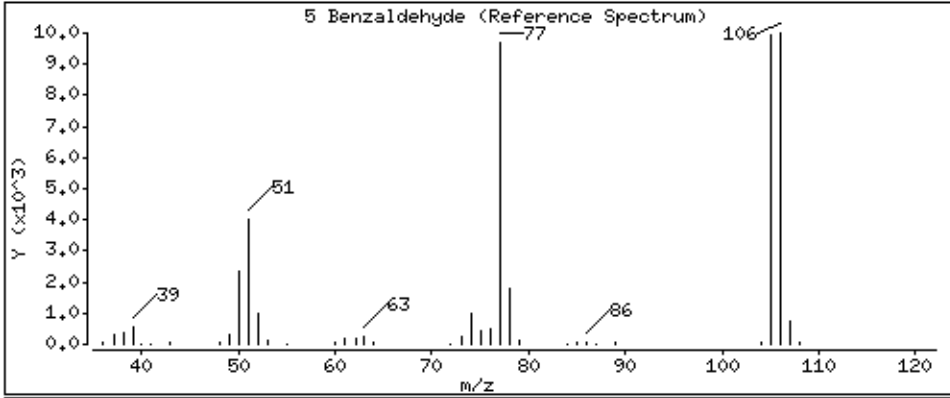
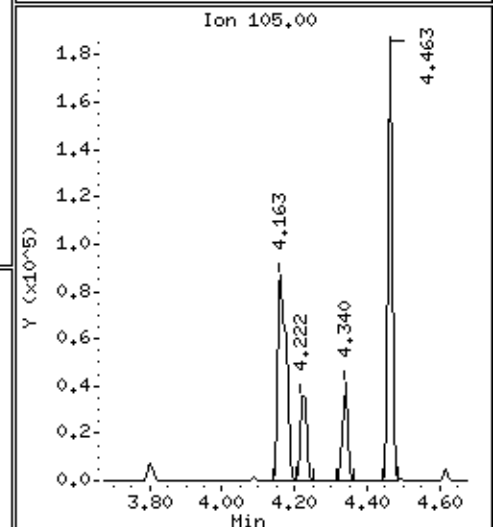
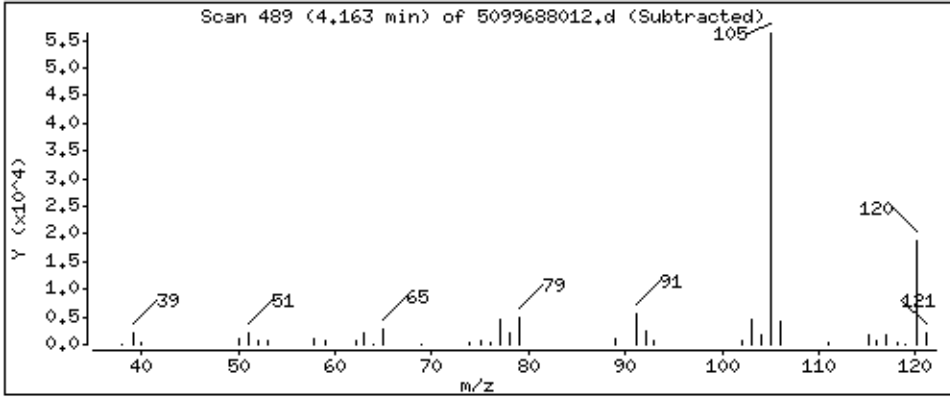
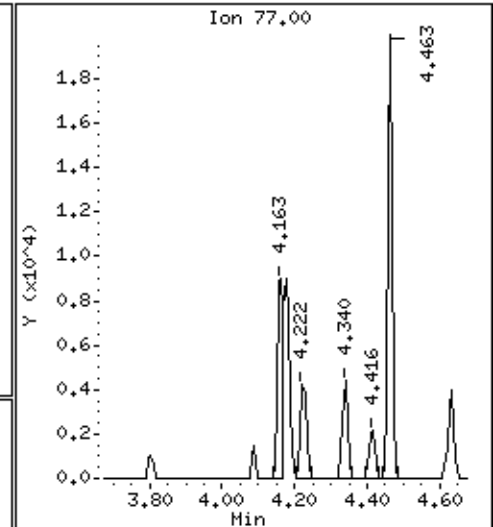
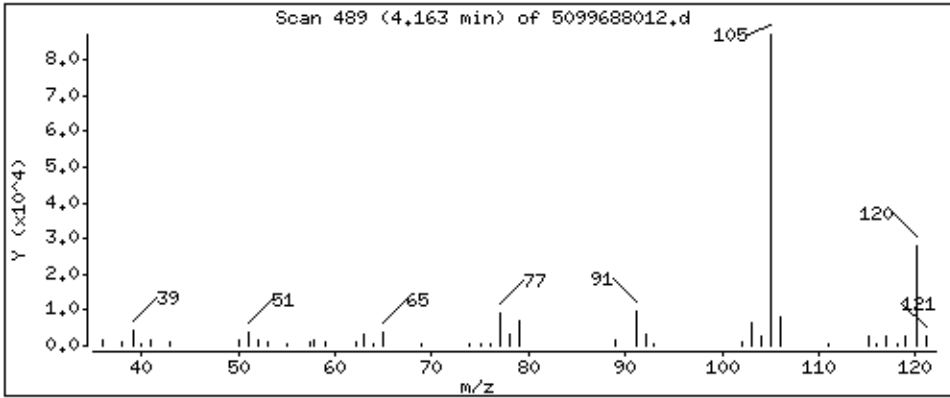
Operator: CEM

Column phase: .50um DB-5ms

Column diameter: 0,25

5 Benzaldehyde

Concentration: 480,2 ug/Kg



Date : 27-JUN-2014 23:11

Client ID: P-8 RE(0-2)

Instrument: 50MSS3.i

Sample Info: 5099688012

Volume Injected (uL): 1.0

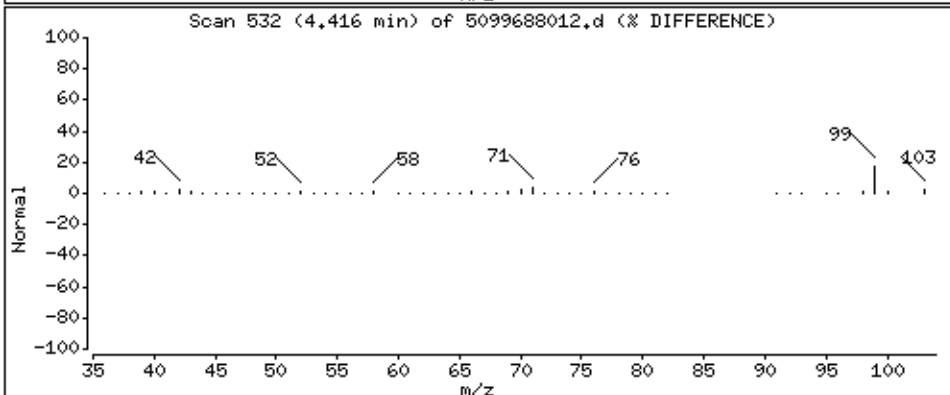
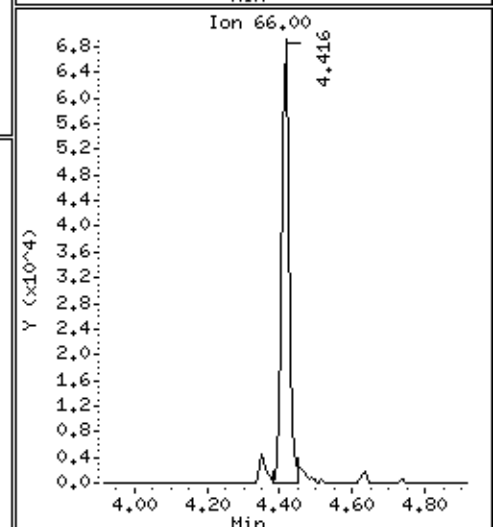
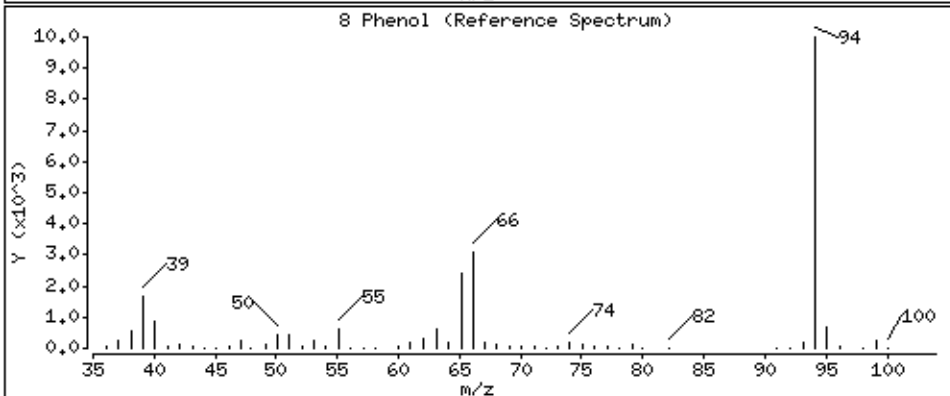
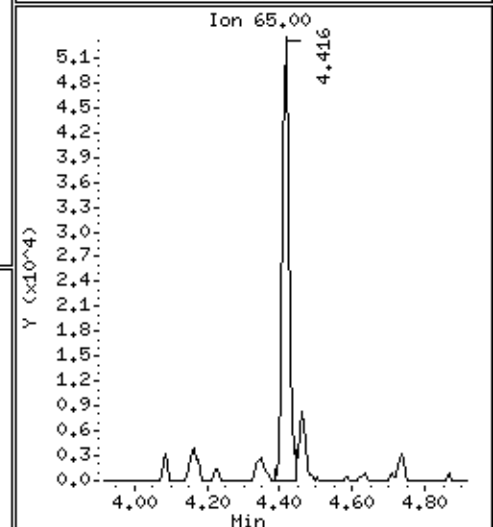
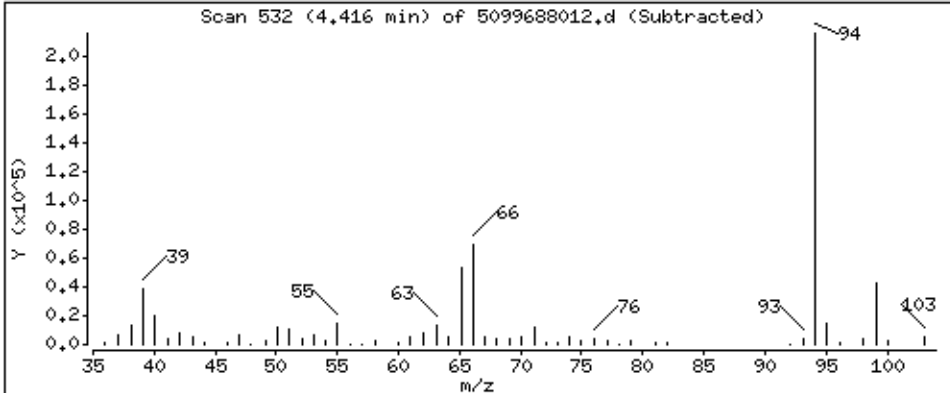
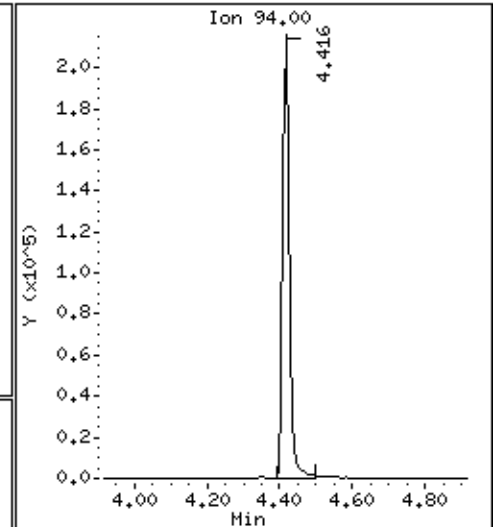
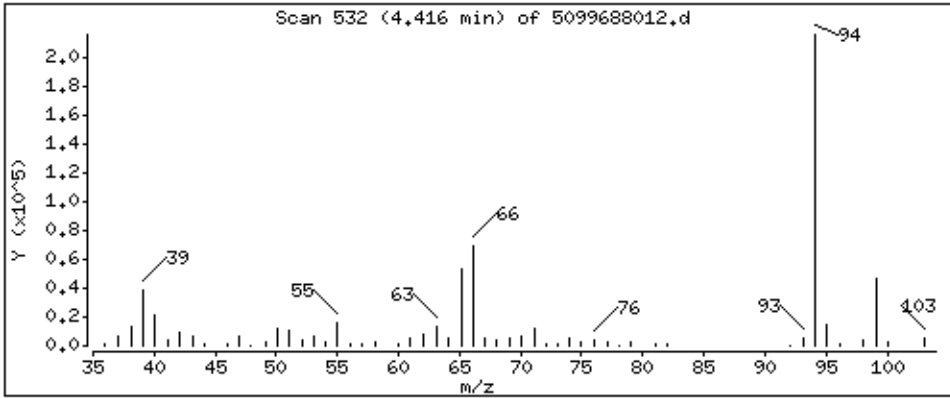
Operator: CEM

Column phase: .50um DB-5ms

Column diameter: 0,25

8 Phenol

Concentration: 1961 ug/Kg



Date : 27-JUN-2014 23:11

Client ID: P-8 RE(0-2)

Instrument: 50MSS3.i

Sample Info: 5099688012

Volume Injected (uL): 1.0

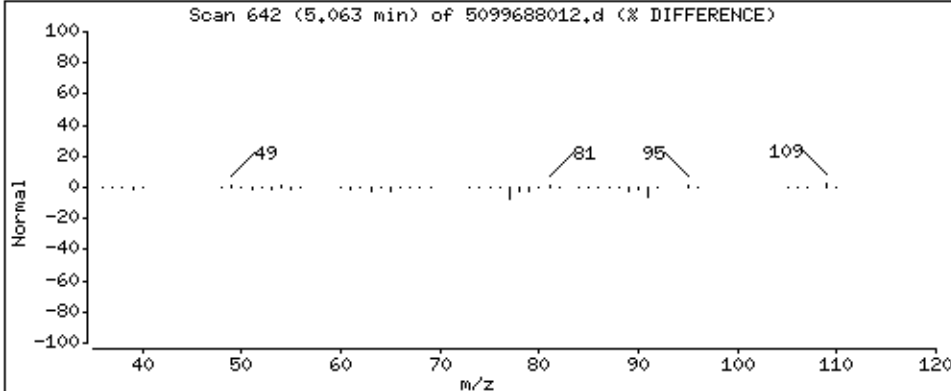
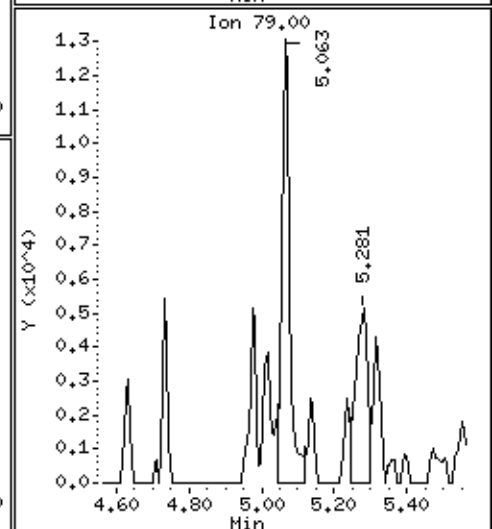
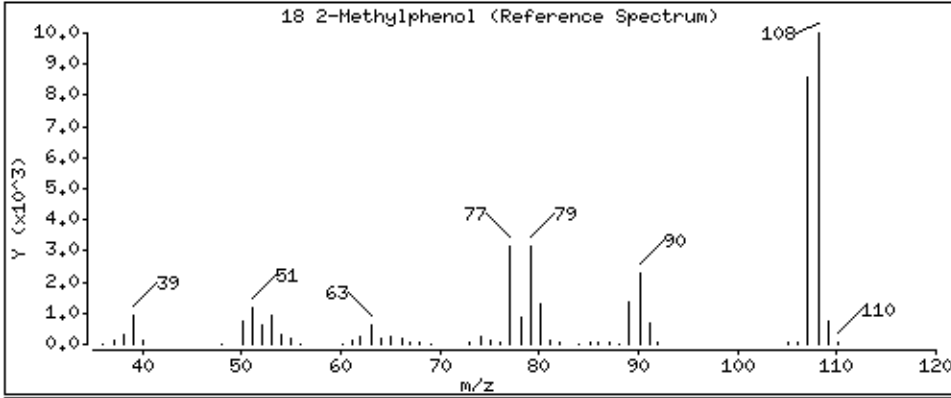
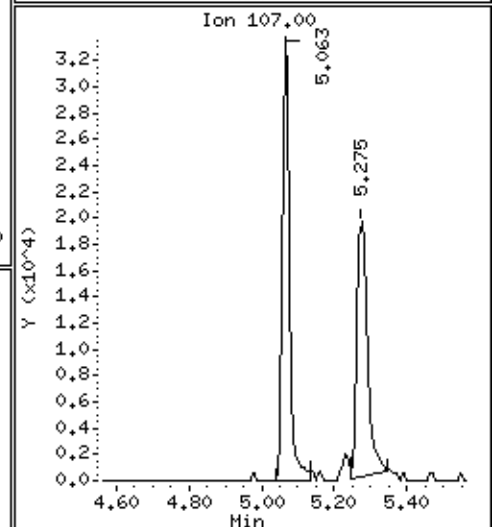
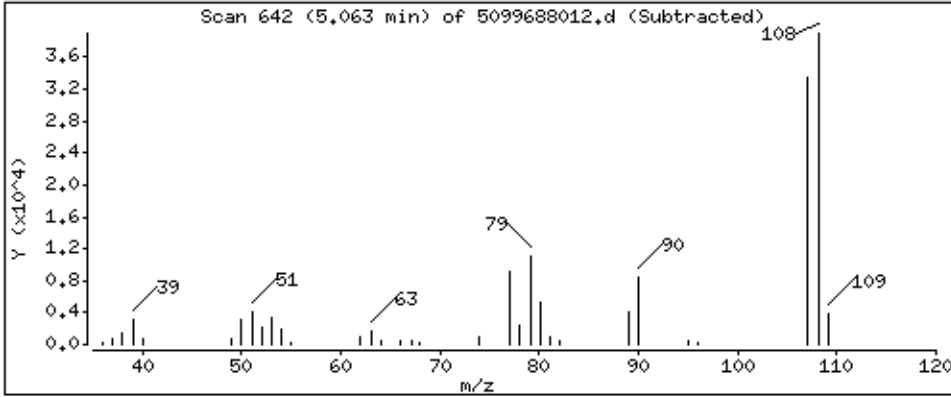
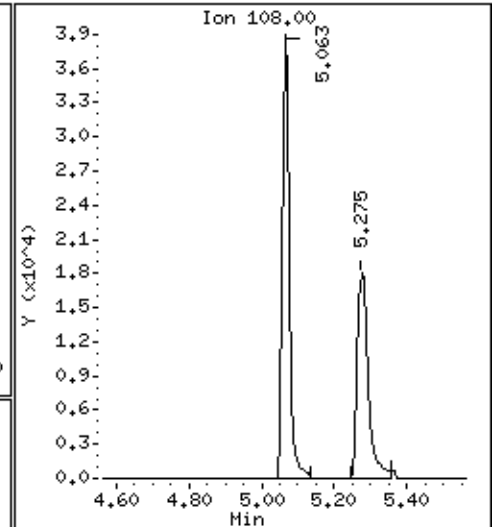
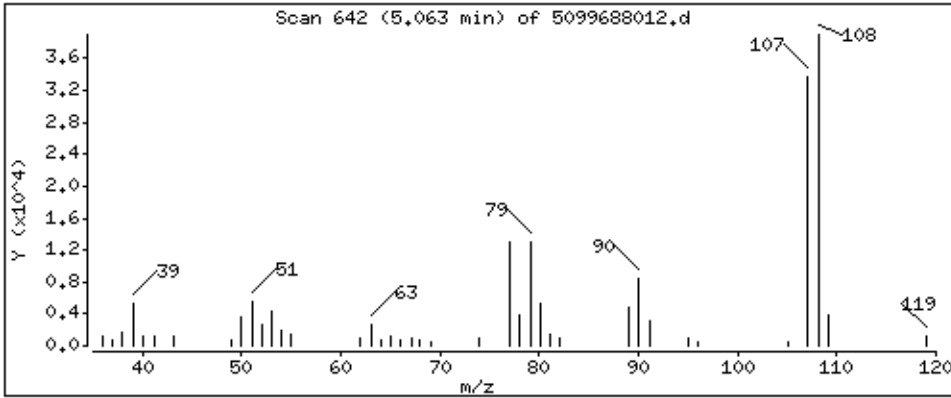
Operator: CEM

Column phase: .50um DB-5ms

Column diameter: 0,25

18 2-Methylphenol

Concentration: 504,5 ug/Kg



Date : 27-JUN-2014 23:11

Client ID: P-8 RE(0-2)

Instrument: 50MSS3.i

Sample Info: 5099688012

Volume Injected (uL): 1.0

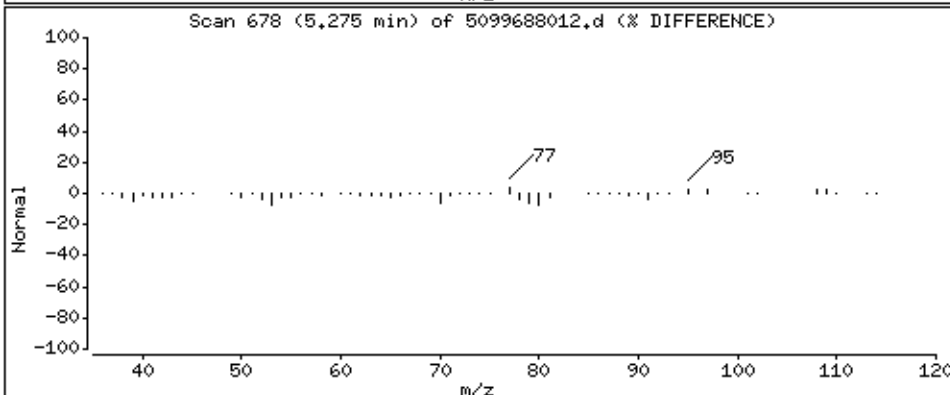
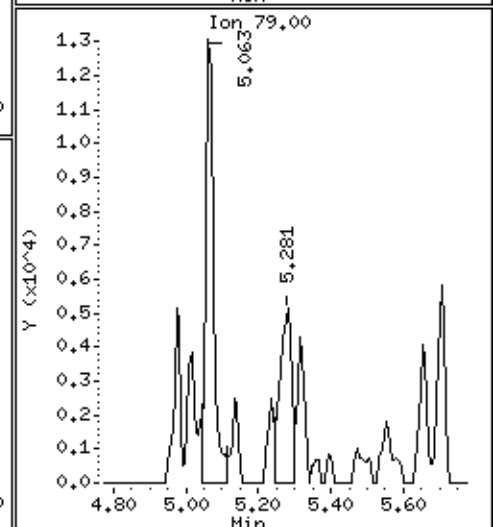
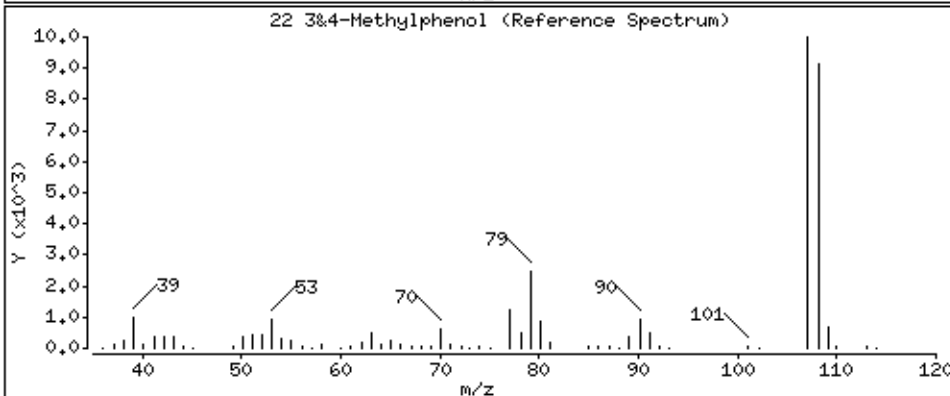
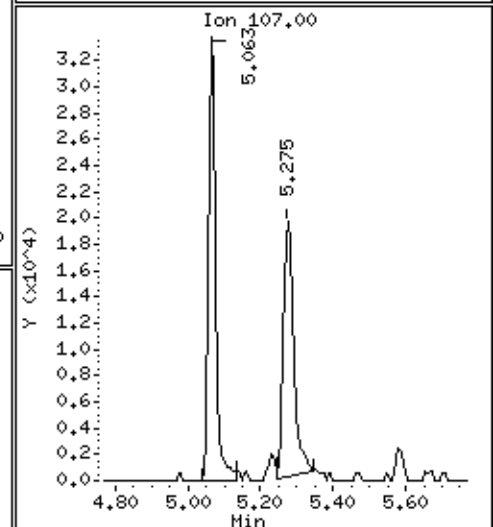
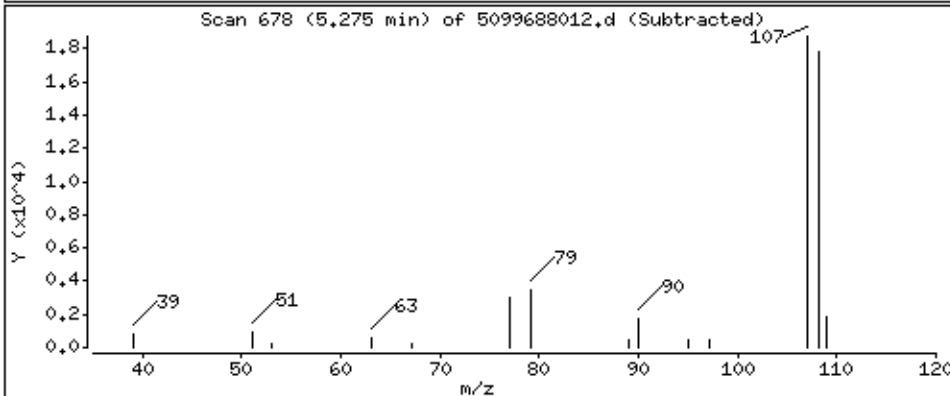
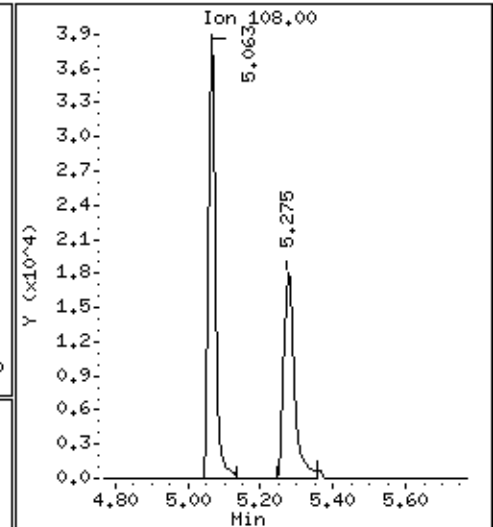
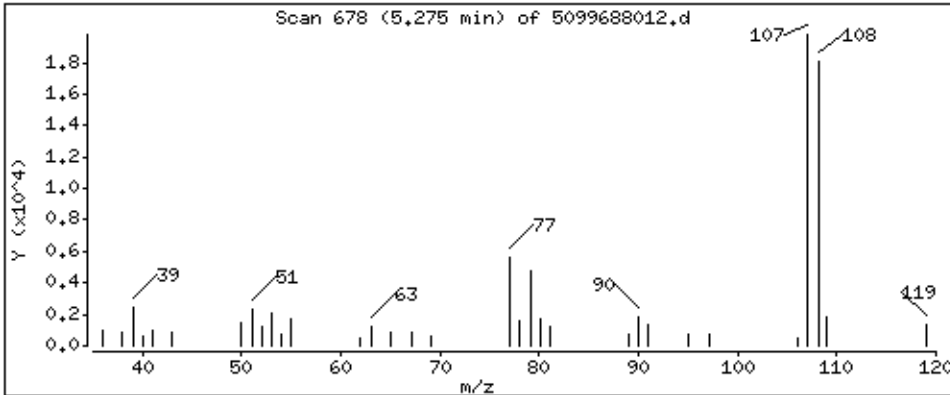
Operator: CEM

Column phase: .50um DB-5ms

Column diameter: 0,25

22 3&4-Methylphenol

Concentration: 357.3 ug/Kg



Date : 27-JUN-2014 23:11

Client ID: P-8 RE(0-2)

Instrument: 50MSS3.i

Sample Info: 5099688012

Volume Injected (uL): 1.0

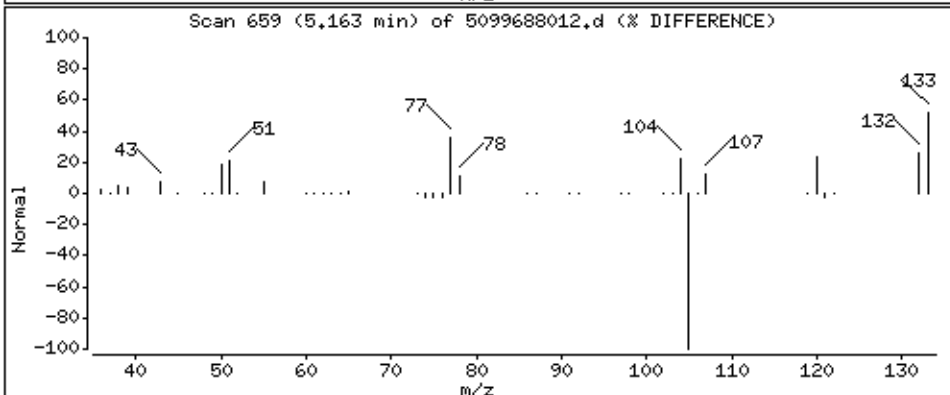
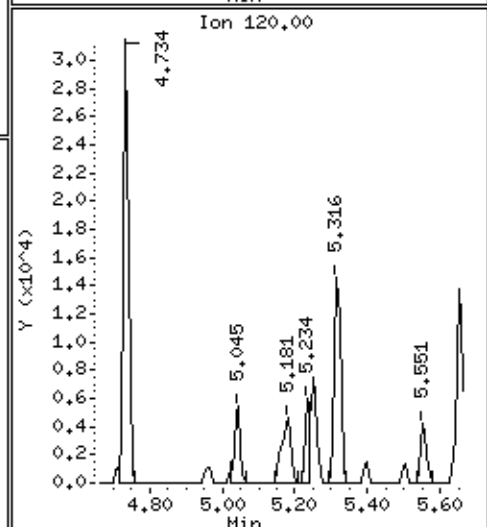
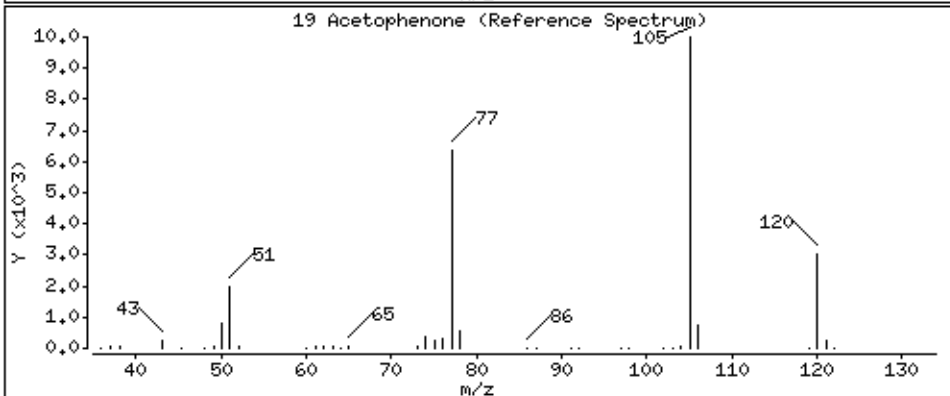
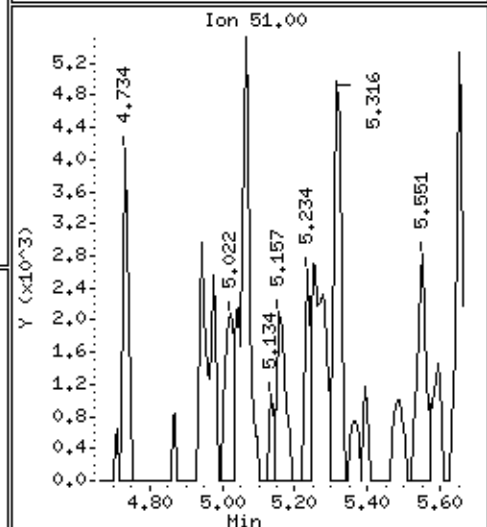
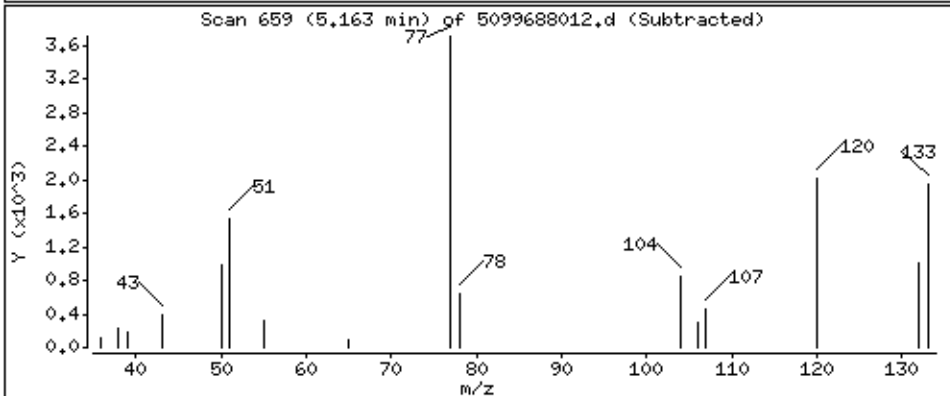
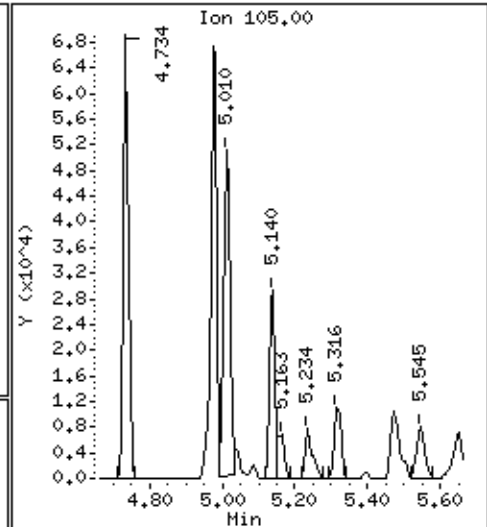
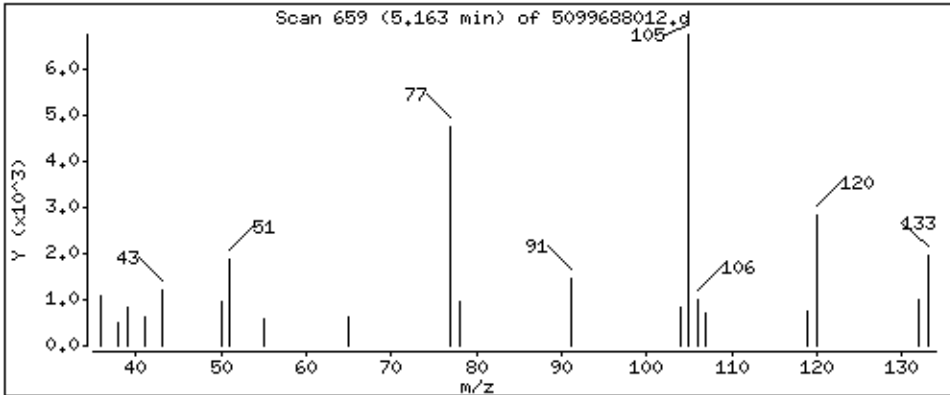
Operator: CEM

Column phase: .50um DB-5ms

Column diameter: 0,25

19 Acetophenone

Concentration: 62,15 ug/Kg



Date : 27-JUN-2014 23:11

Client ID: P-8 RE(0-2)

Instrument: 50MSS3.i

Sample Info: 5099688012

Volume Injected (uL): 1.0

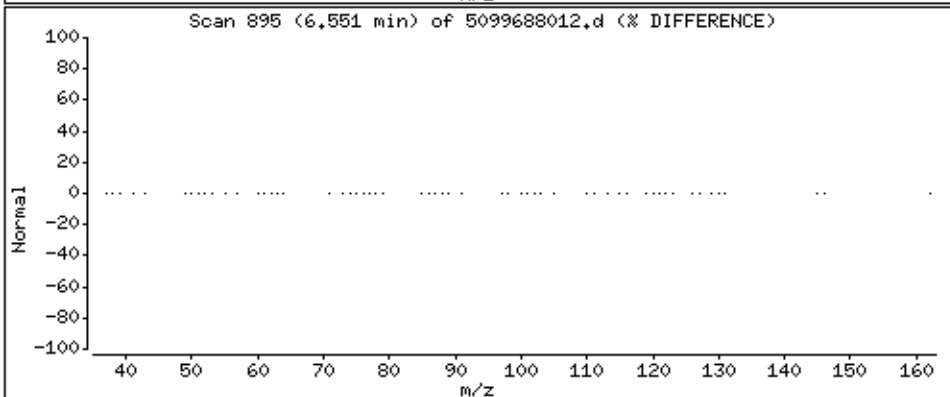
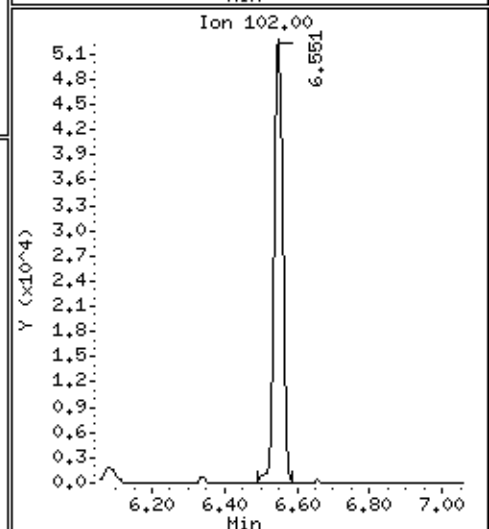
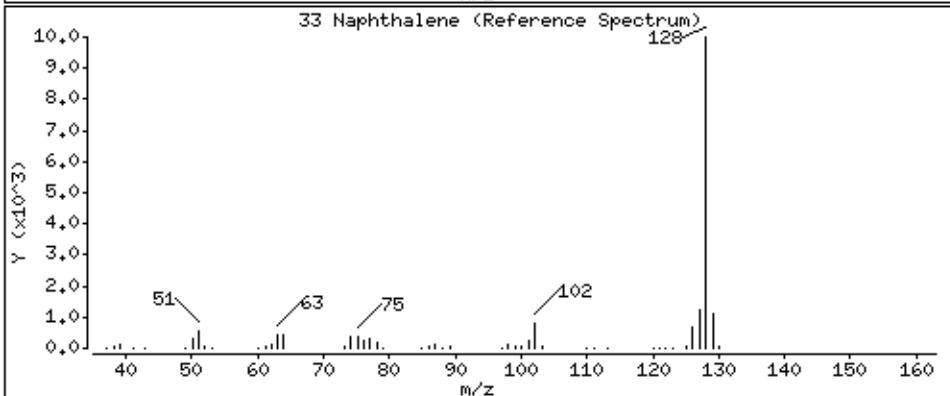
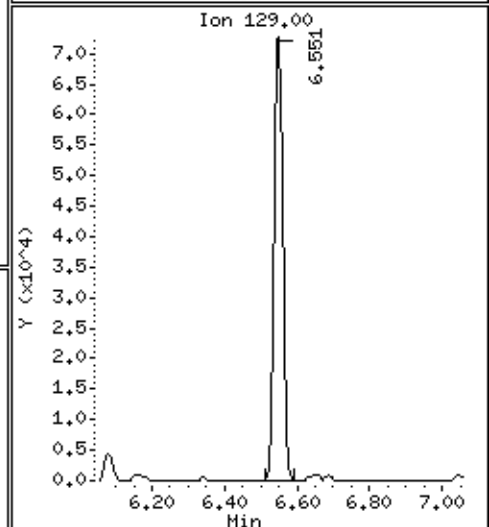
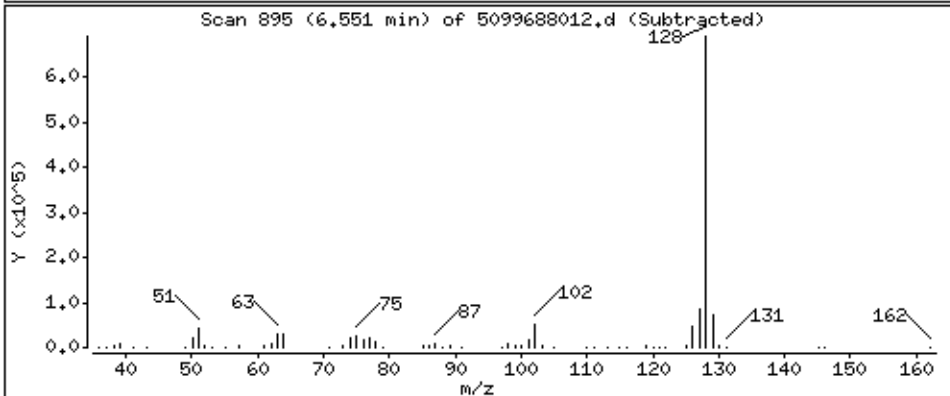
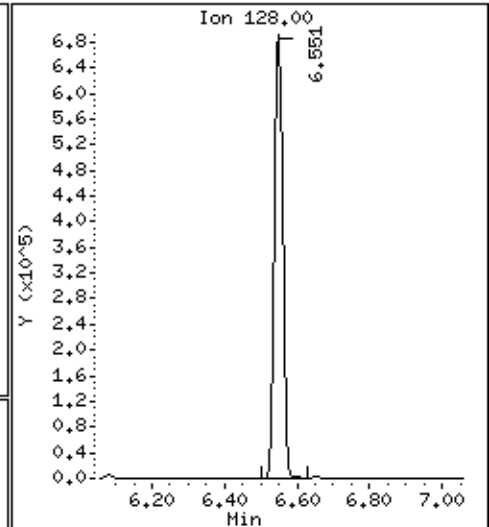
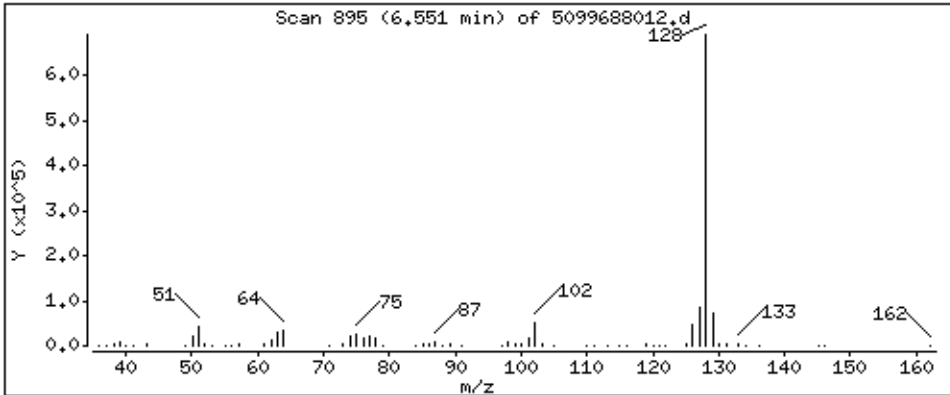
Operator: CEM

Column phase: .50um DB-5ms

Column diameter: 0,25

33 Naphthalene

Concentration: 3123 ug/Kg



Date : 27-JUN-2014 23:11

Client ID: P-8 RE(0-2)

Instrument: 50MSS3.i

Sample Info: 5099688012

Volume Injected (uL): 1.0

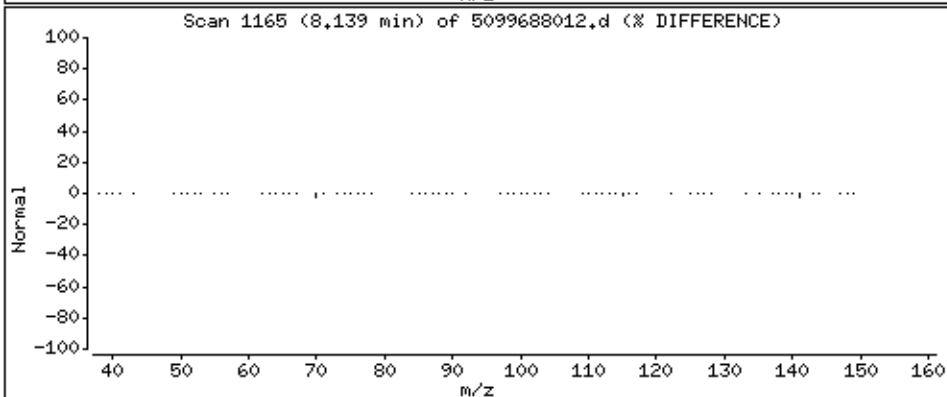
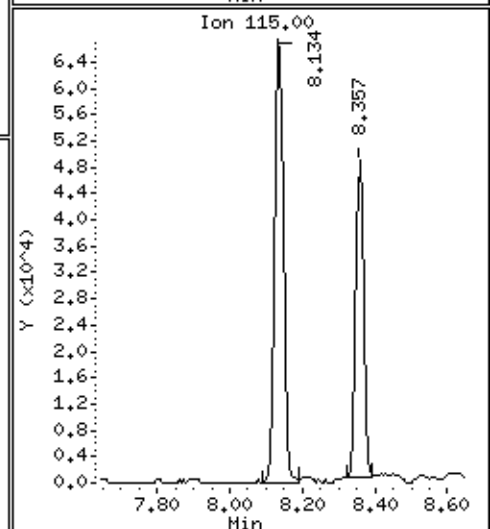
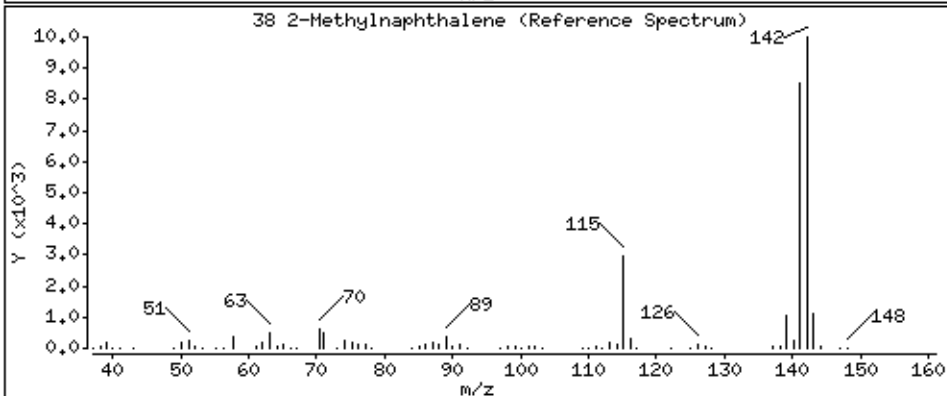
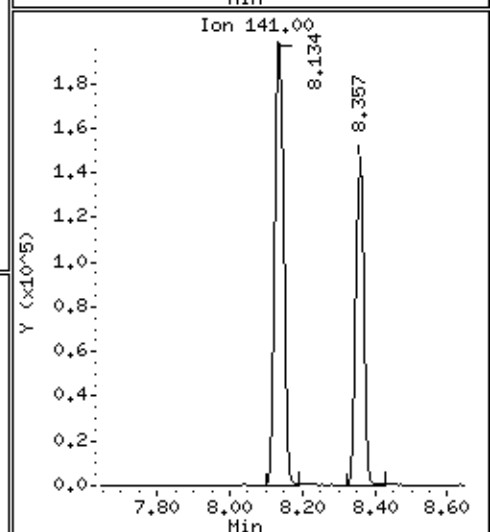
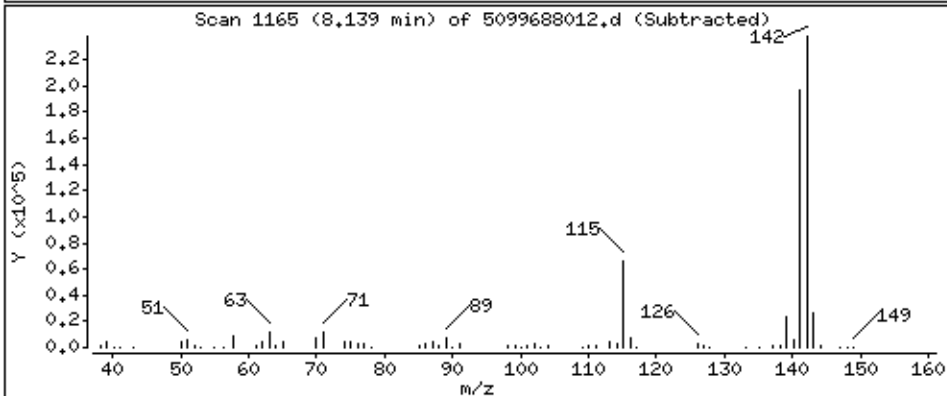
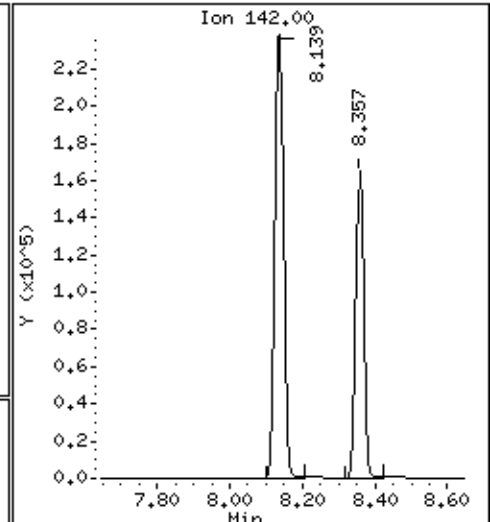
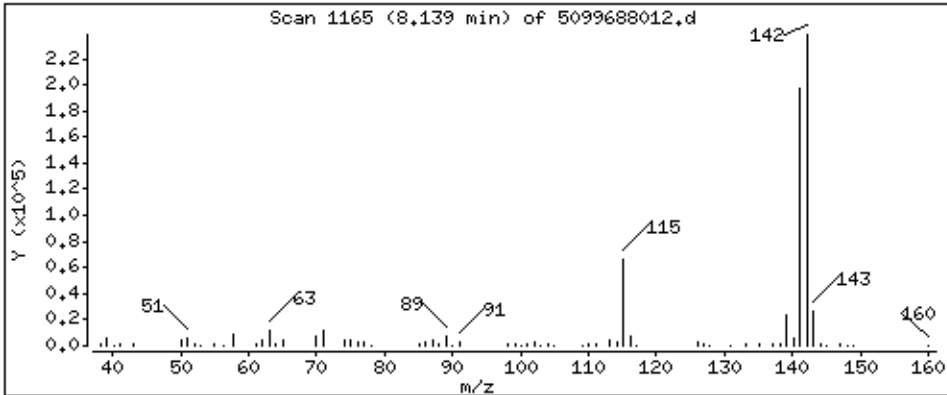
Operator: CEM

Column phase: .50um DB-5ms

Column diameter: 0,25

38 2-Methylnaphthalene

Concentration: 1217 ug/Kg



Date : 27-JUN-2014 23:11

Client ID: P-8 RE(0-2)

Instrument: 50MSS3.i

Sample Info: 5099688012

Volume Injected (uL): 1.0

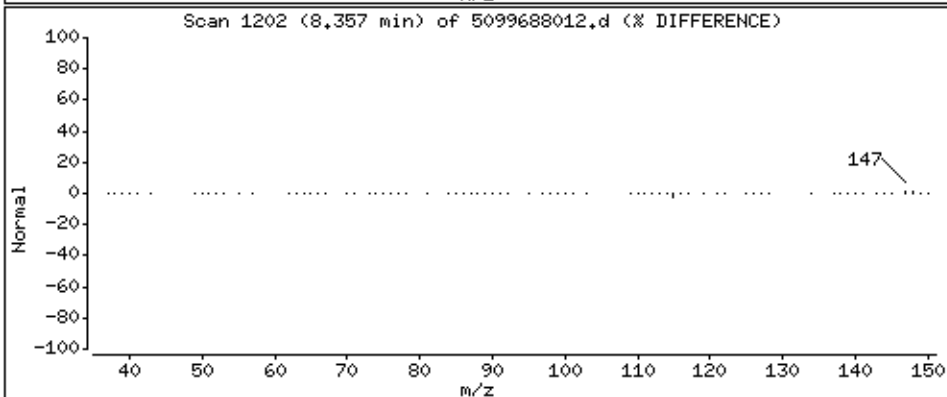
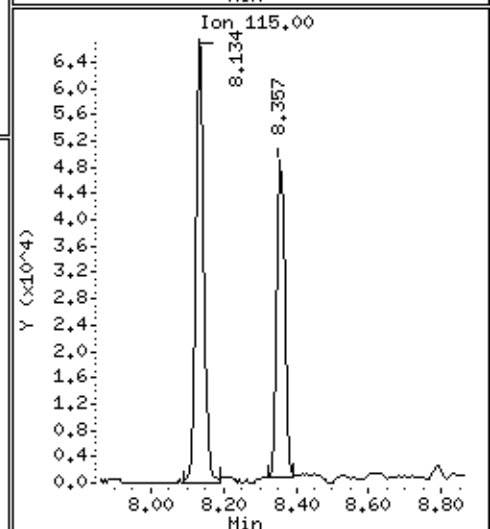
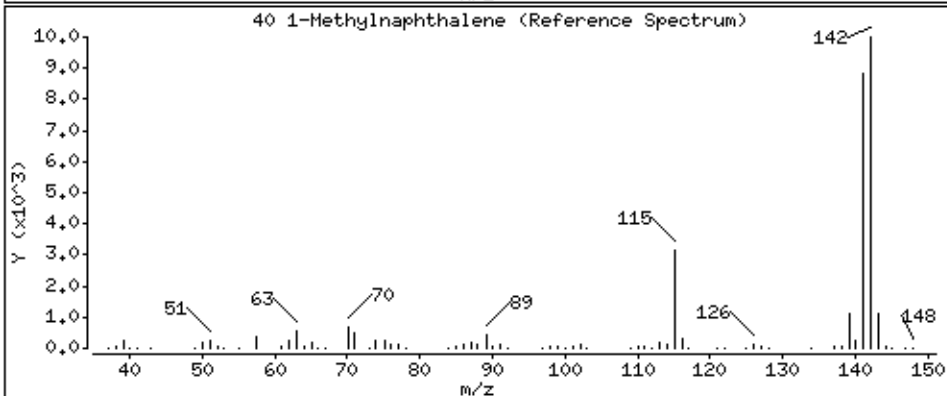
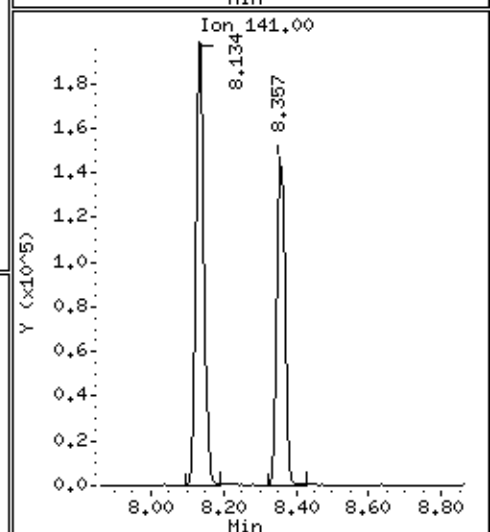
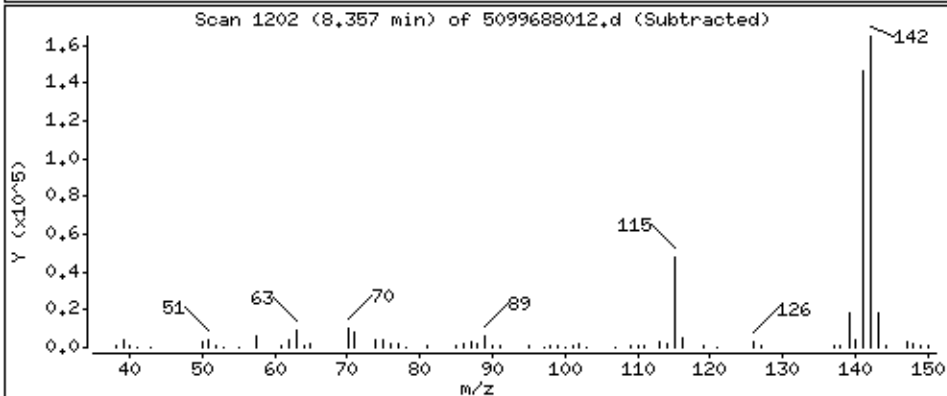
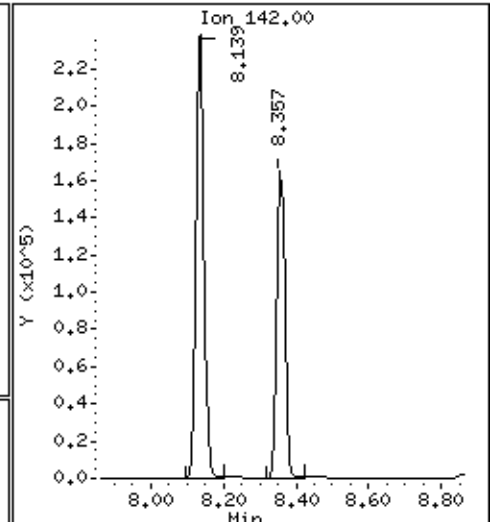
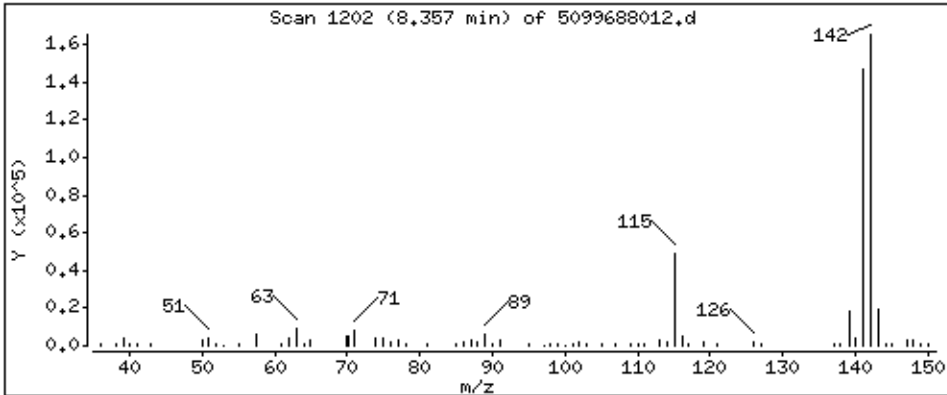
Operator: CEM

Column phase: .50um DB-5ms

Column diameter: 0,25

40 1-Methylnaphthalene

Concentration: 1047 ug/Kg



Date : 27-JUN-2014 23:11

Client ID: P-8 RE(0-2)

Instrument: 50MSS3.i

Sample Info: 5099688012

Volume Injected (uL): 1.0

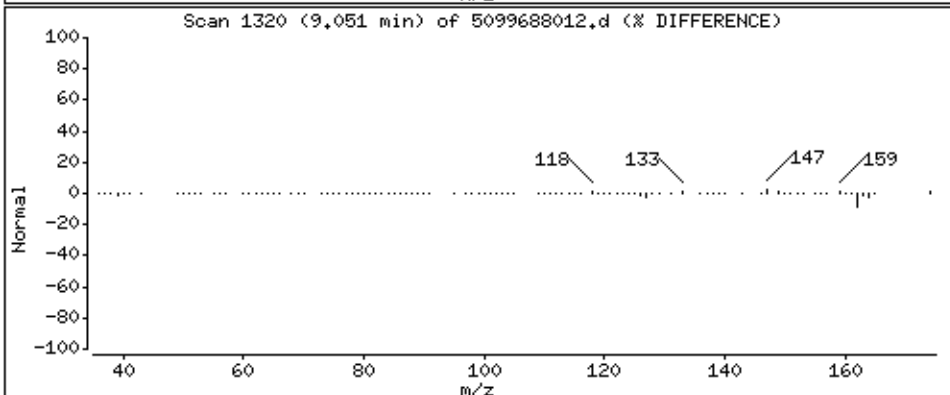
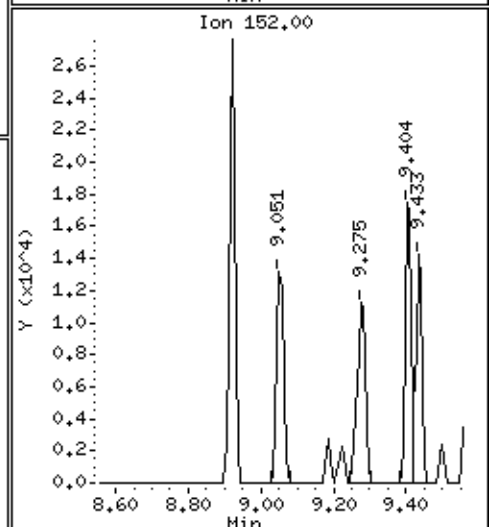
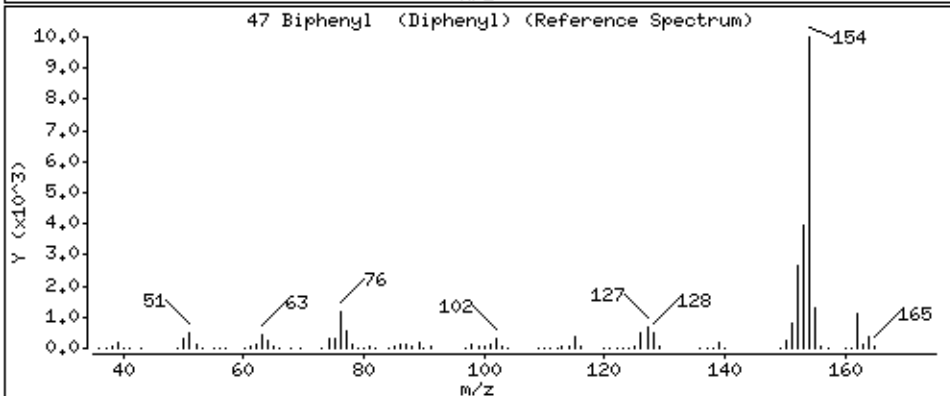
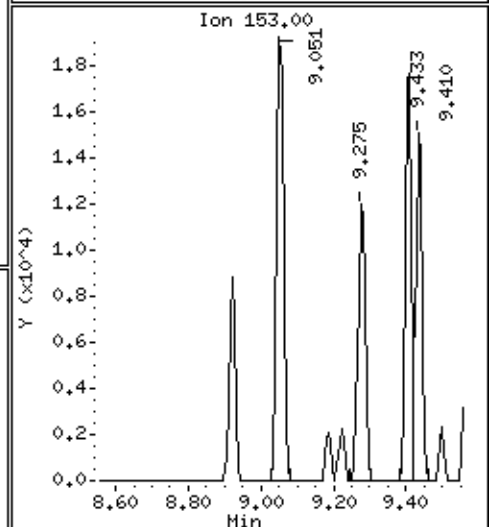
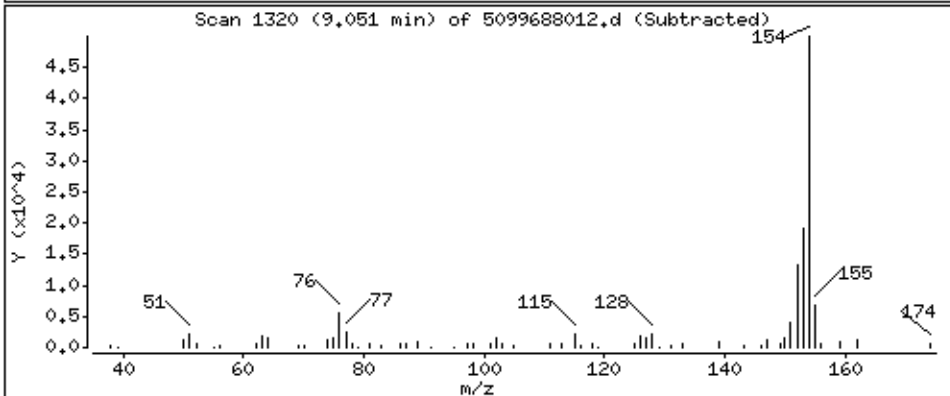
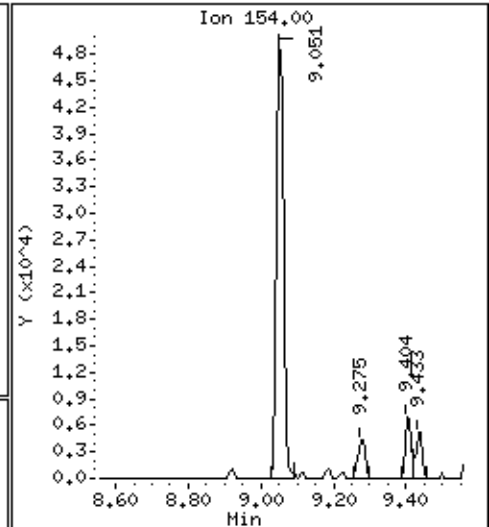
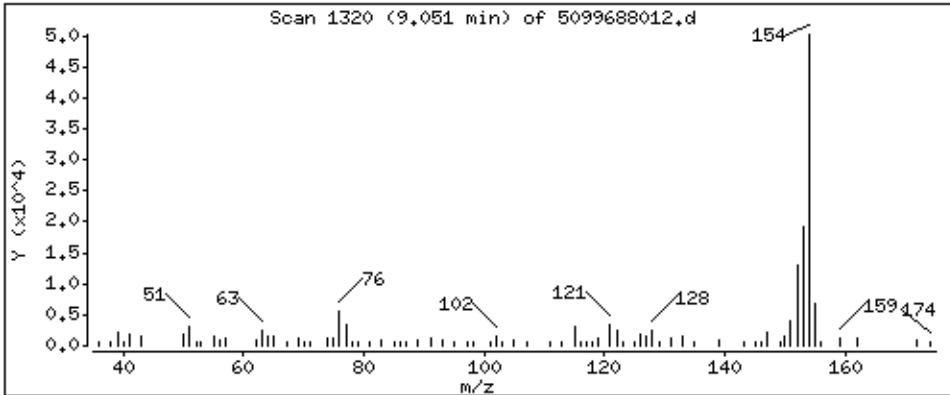
Operator: CEM

Column phase: .50um DB-5ms

Column diameter: 0,25

47 Biphenyl (Diphenyl)

Concentration: 208.3 ug/Kg



Date : 27-JUN-2014 23:11

Client ID: P-8 RE(0-2)

Instrument: 50MSS3.i

Sample Info: 5099688012

Volume Injected (uL): 1.0

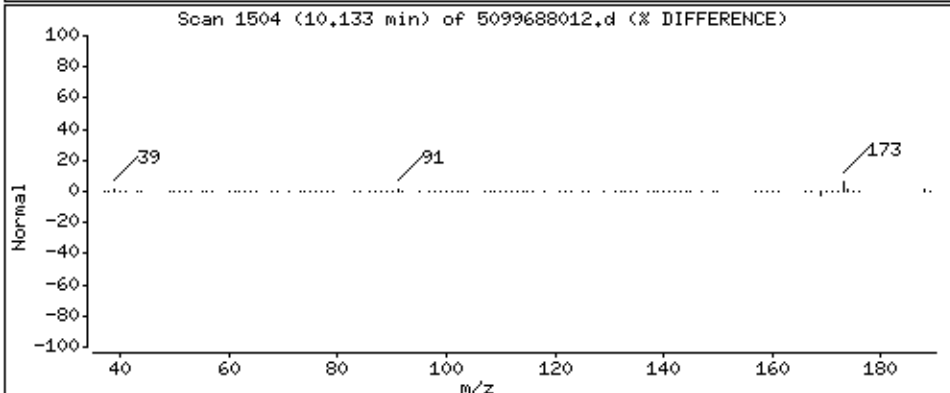
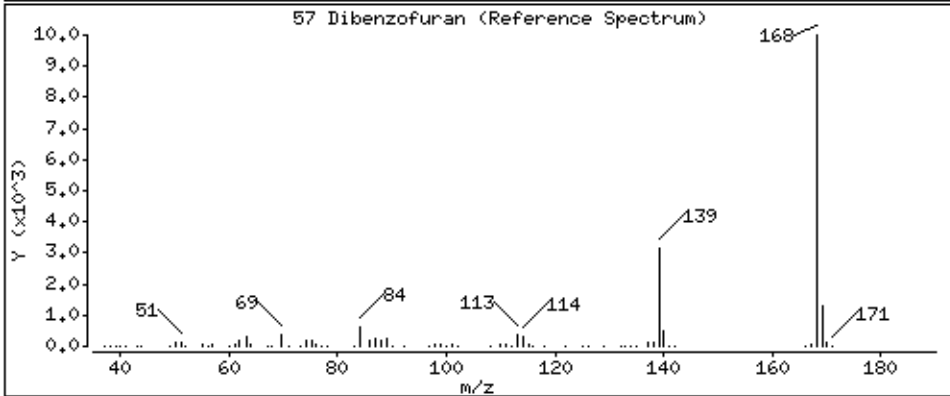
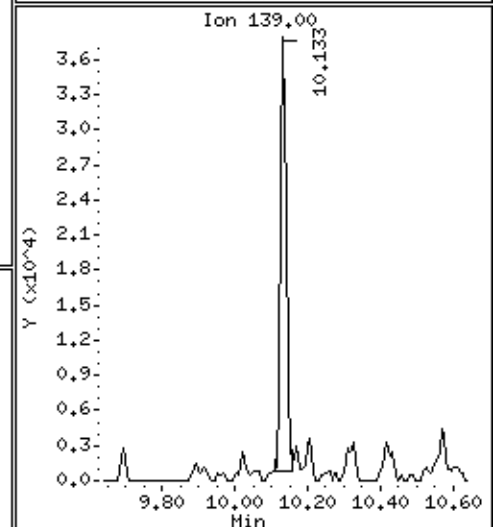
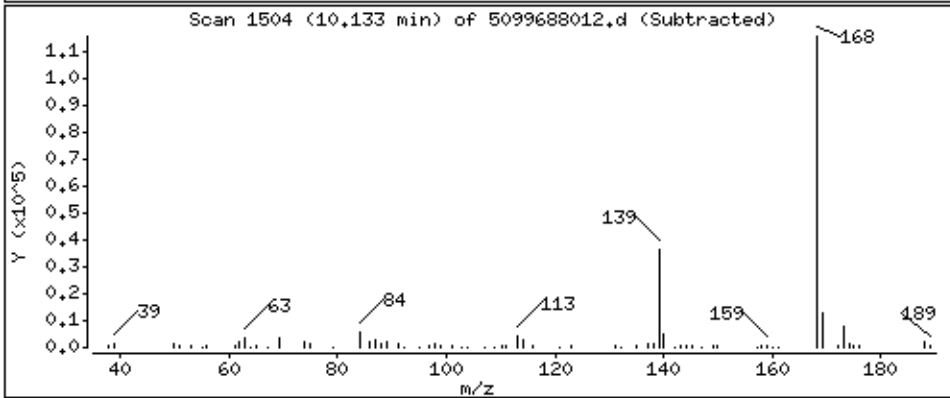
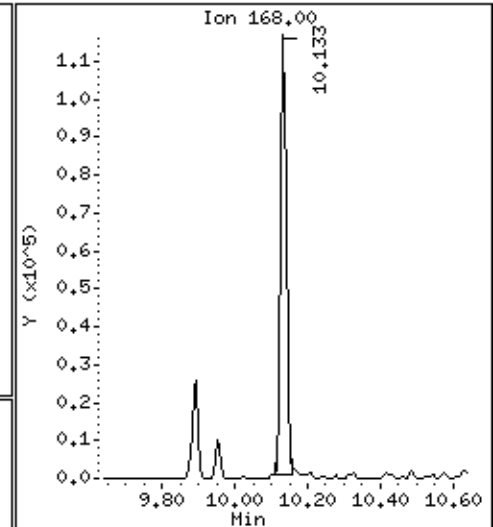
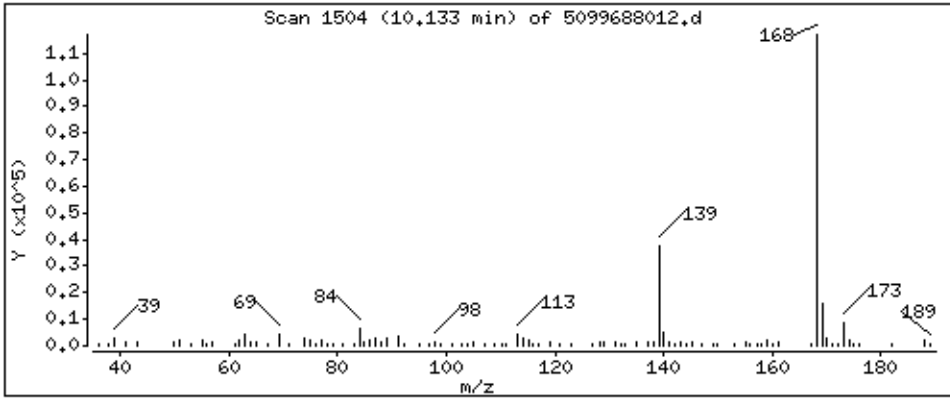
Operator: CEM

Column phase: .50um DB-5ms

Column diameter: 0,25

57 Dibenzofuran

Concentration: 350.0 ug/Kg



Date : 27-JUN-2014 23:11

Client ID: P-8 RE(0-2)

Instrument: 50MSS3.i

Sample Info: 5099688012

Volume Injected (uL): 1.0

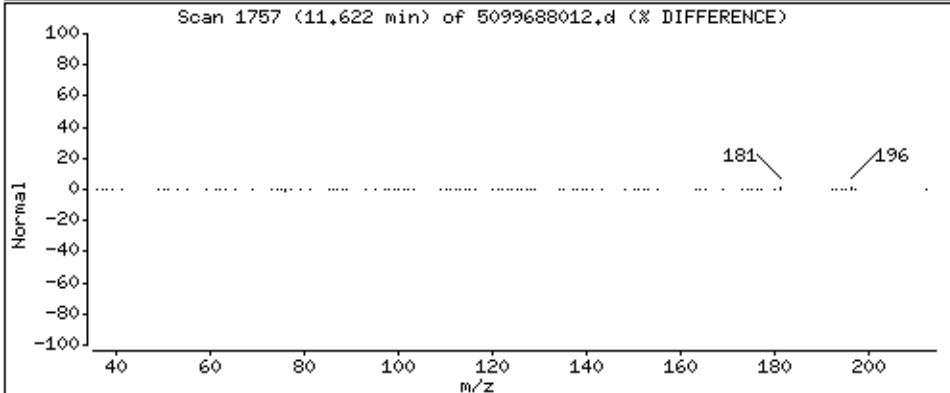
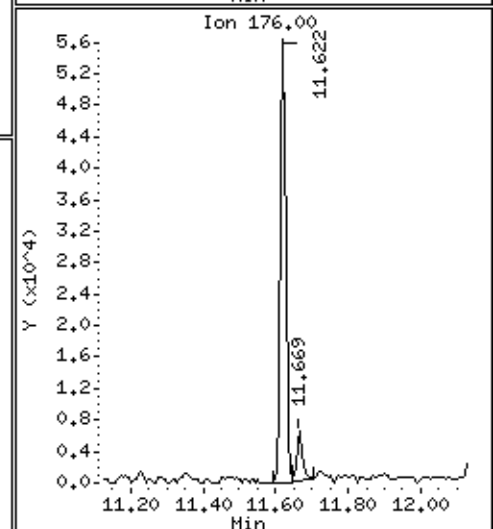
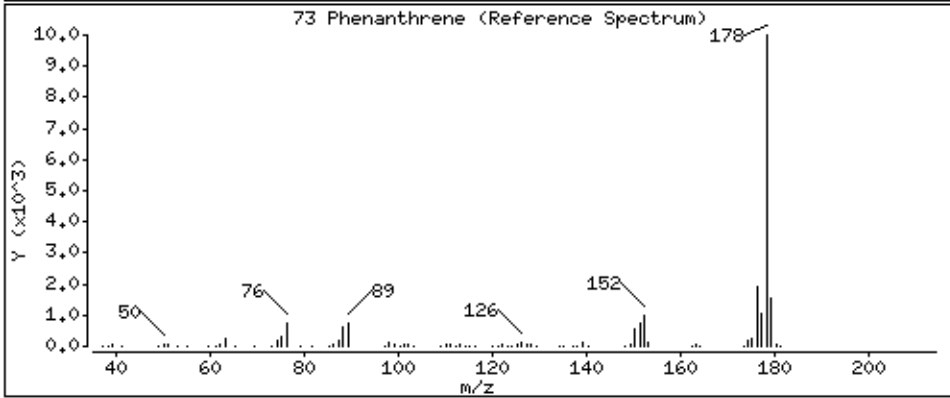
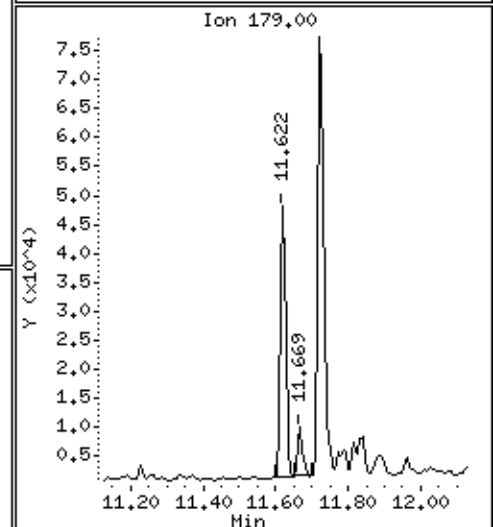
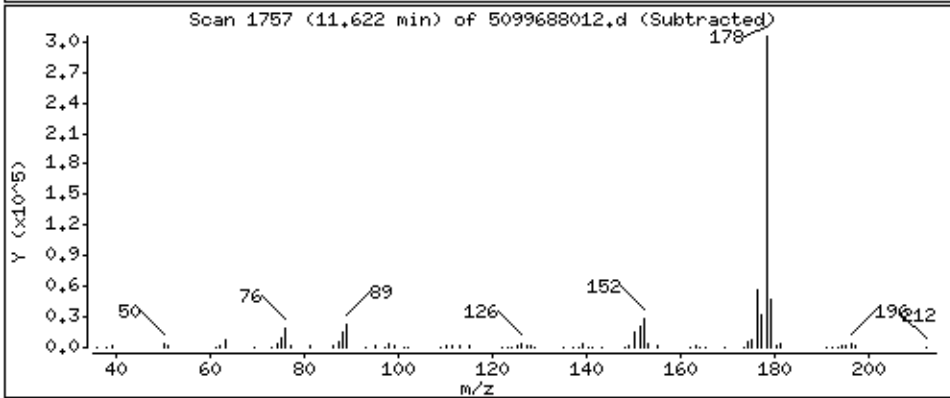
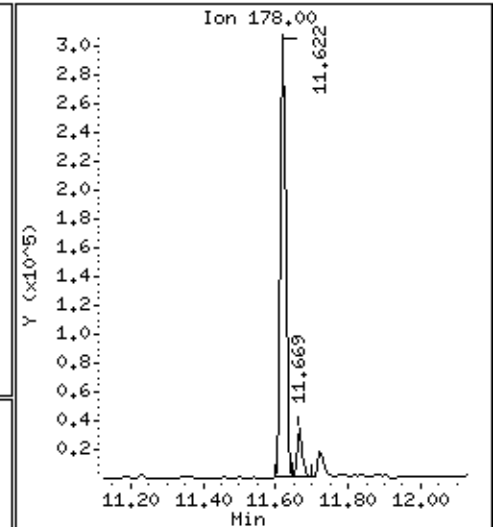
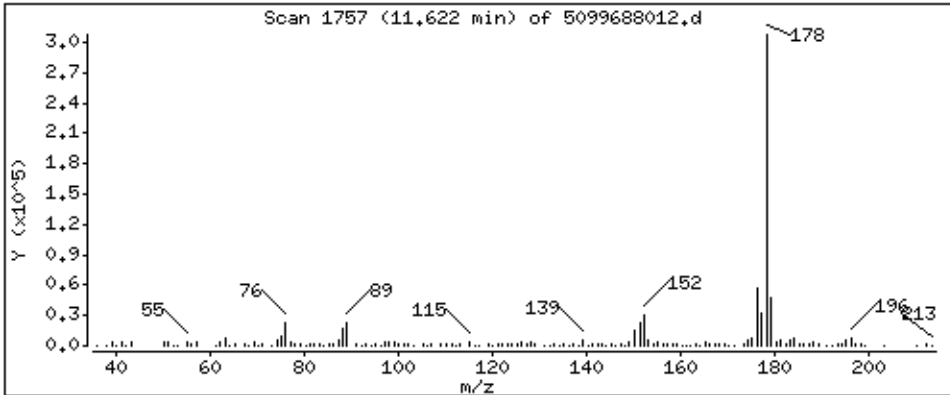
Operator: CEM

Column phase: .50um DB-5ms

Column diameter: 0,25

73 Phenanthrene

Concentration: 710.2 ug/Kg



Date : 27-JUN-2014 23:11

Client ID: P-8 RE(0-2)

Instrument: 50MSS3.i

Sample Info: 5099688012

Volume Injected (uL): 1.0

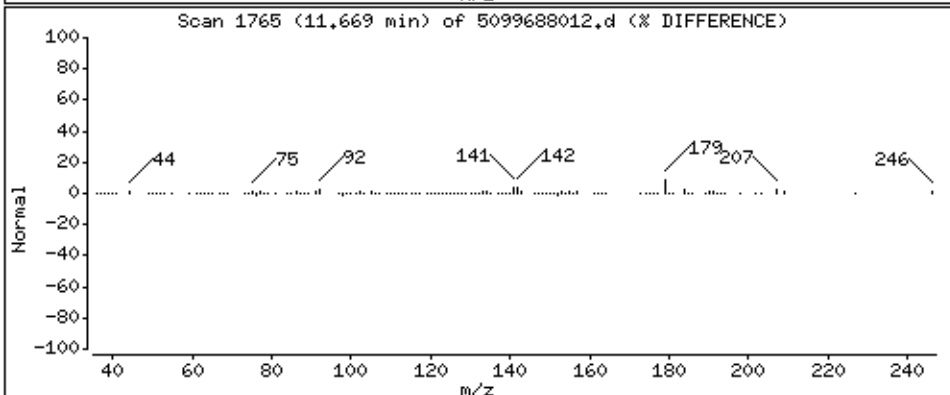
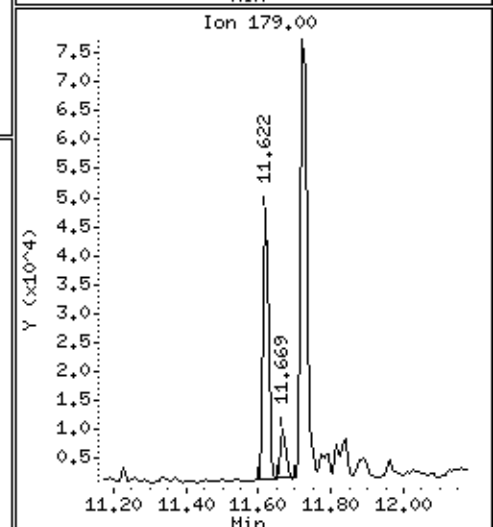
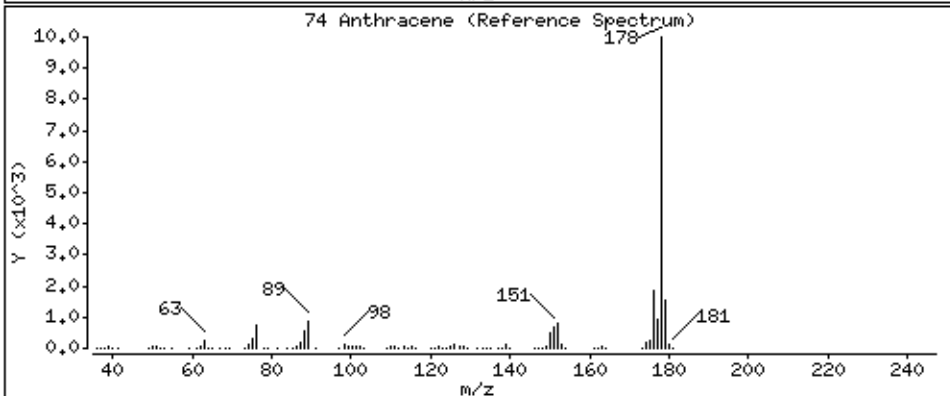
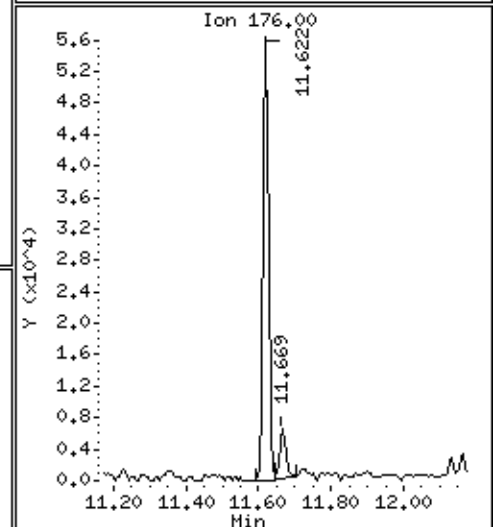
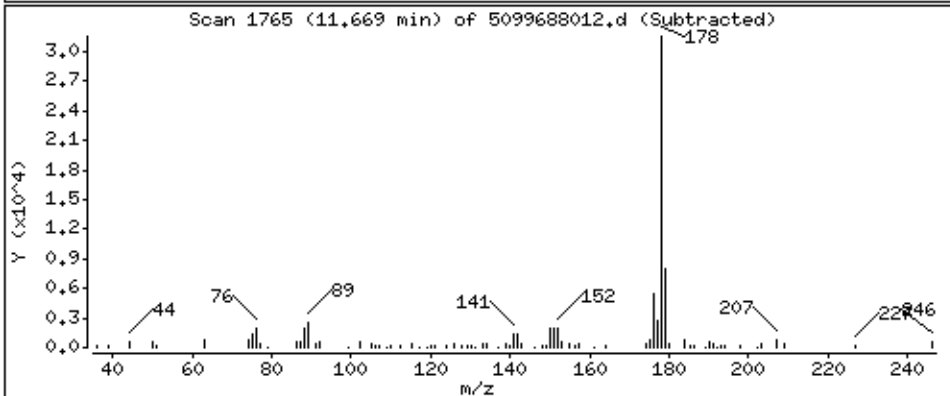
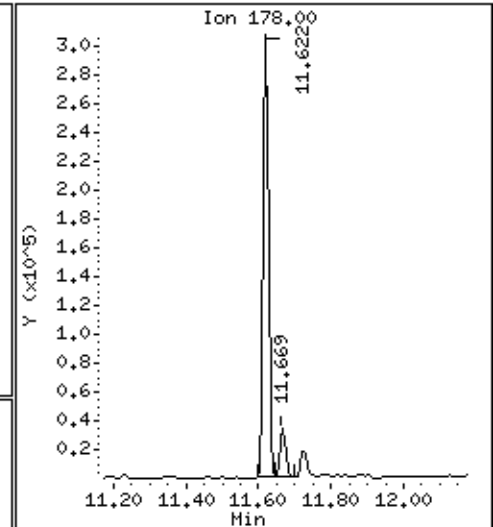
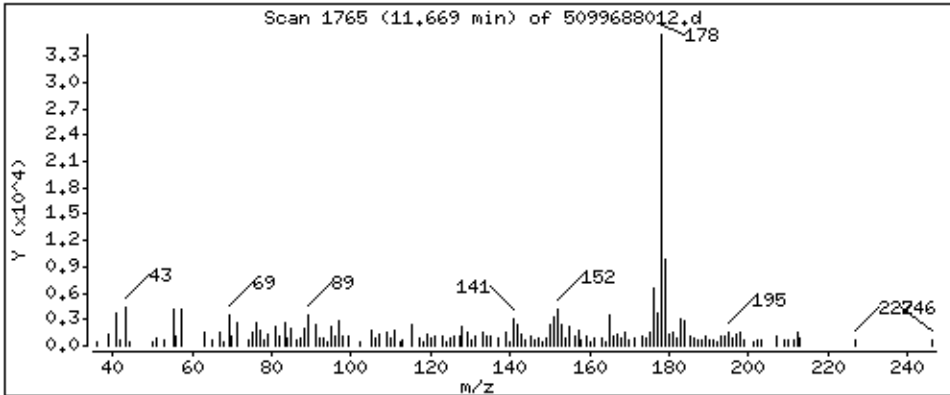
Operator: CEM

Column phase: .50um DB-5ms

Column diameter: 0,25

74 Anthracene

Concentration: 82,52 ug/Kg



Date : 27-JUN-2014 23:11

Client ID: P-8 RE(0-2)

Instrument: 50MSS3.i

Sample Info: 5099688012

Volume Injected (uL): 1.0

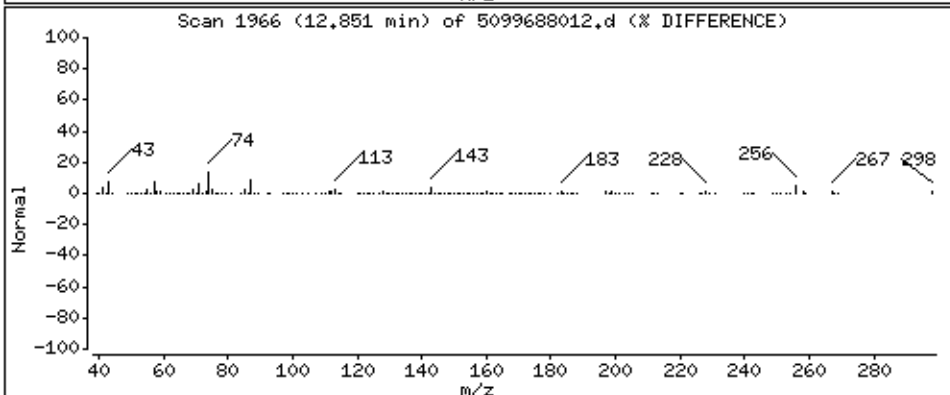
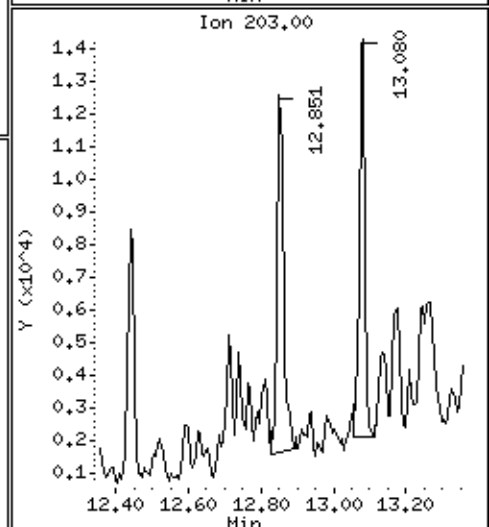
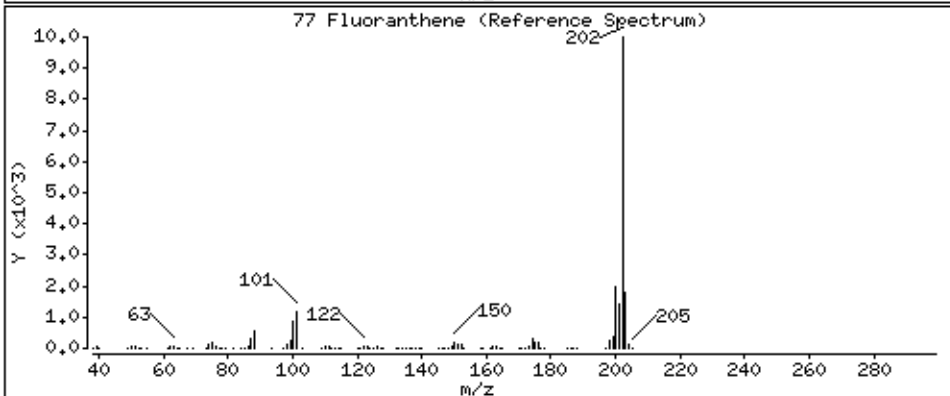
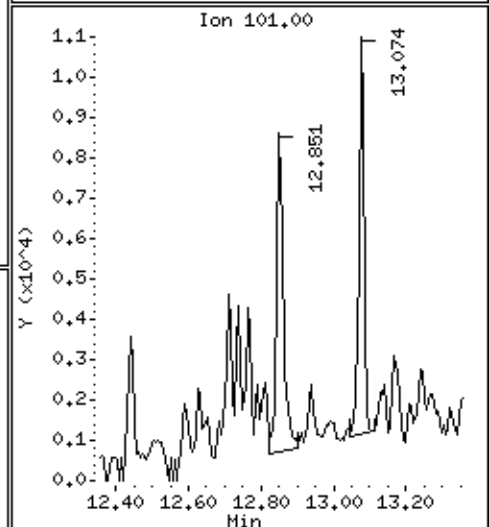
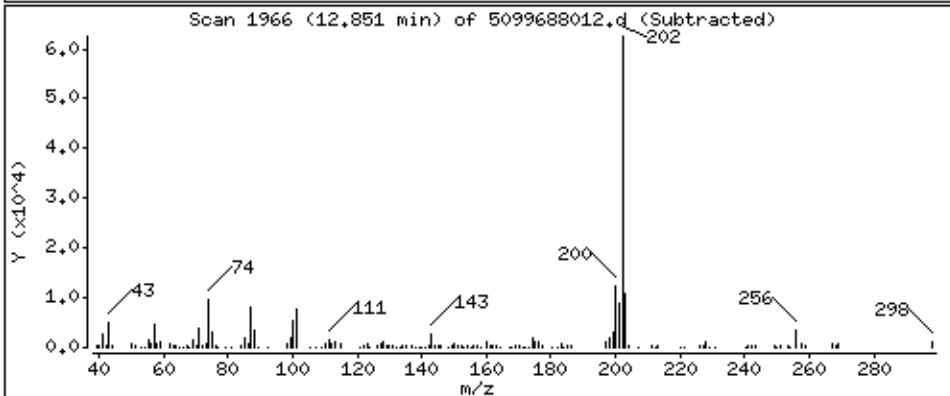
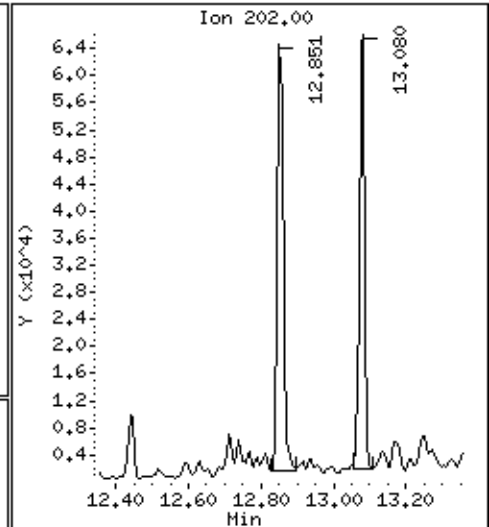
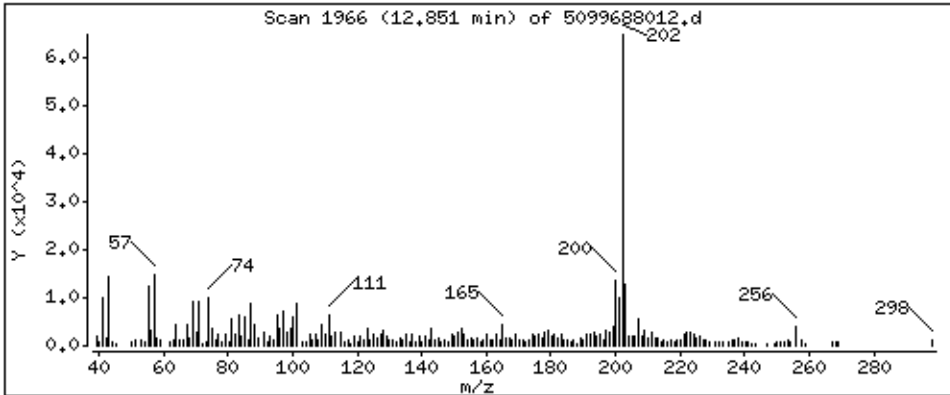
Operator: CEM

Column phase: .50um DB-5ms

Column diameter: 0,25

77 Fluoranthene

Concentration: 147.0 ug/Kg



Date : 27-JUN-2014 23:11

Client ID: P-8 RE(0-2)

Instrument: 50MSS3.i

Sample Info: 5099688012

Volume Injected (uL): 1.0

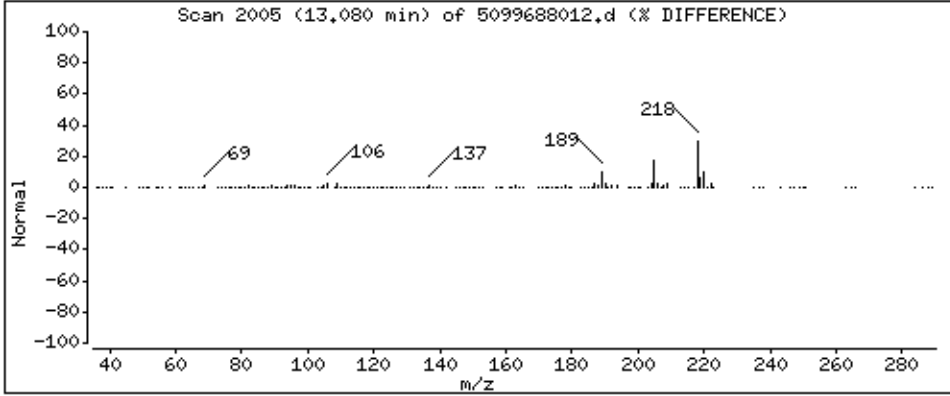
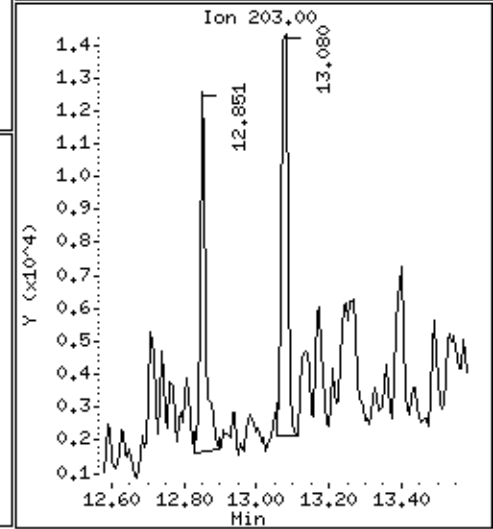
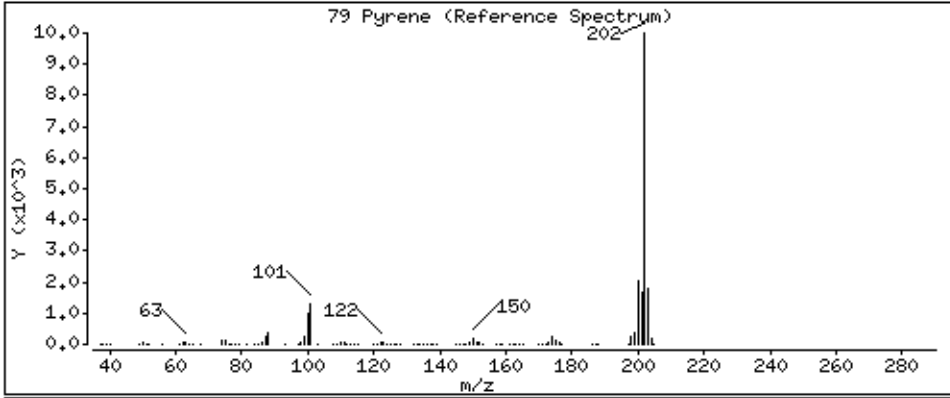
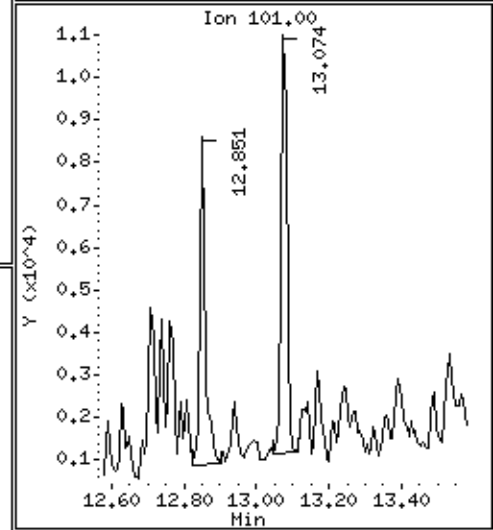
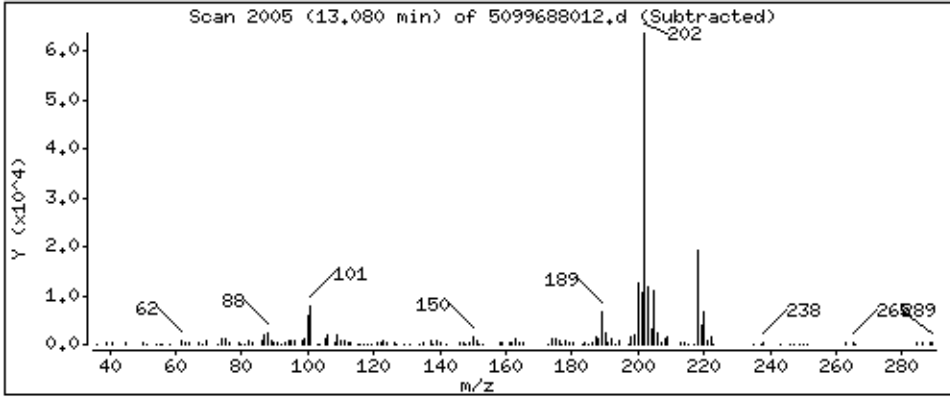
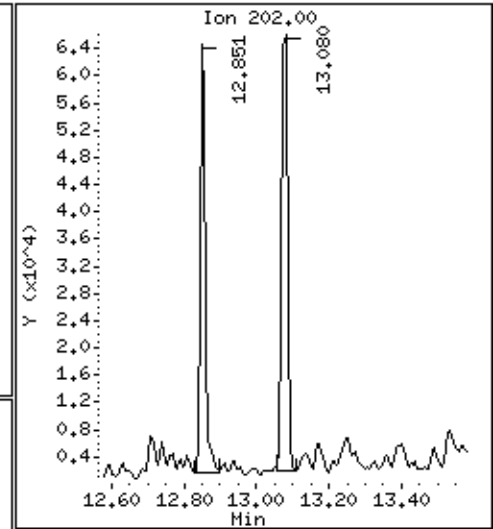
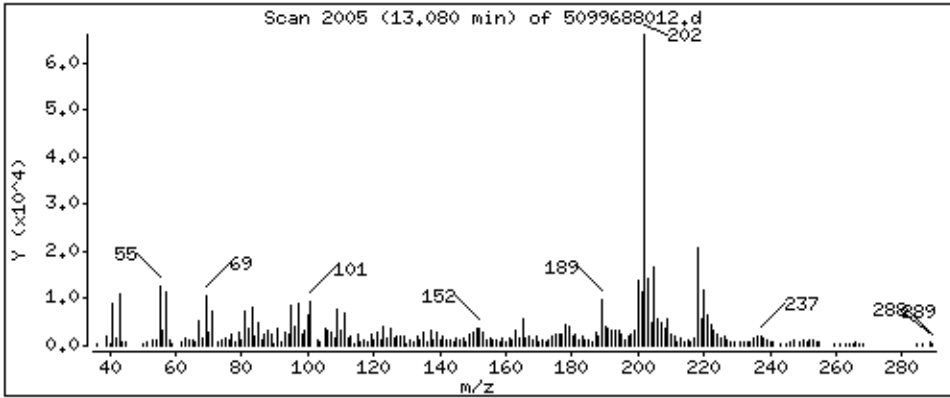
Operator: CEM

Column phase: .50um DB-5ms

Column diameter: 0,25

79 Pyrene

Concentration: 143.2 ug/Kg



Date : 27-JUN-2014 23:11

Client ID: P-8 RE(0-2)

Instrument: 50MSS3.i

Sample Info: 5099688012

Volume Injected (uL): 1.0

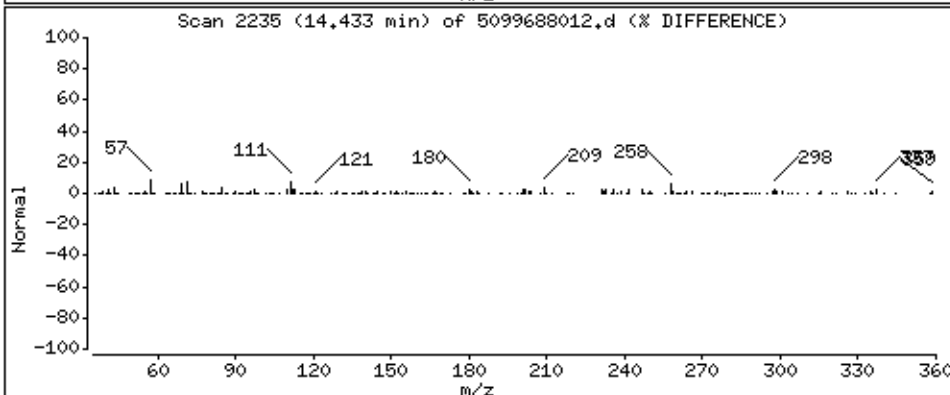
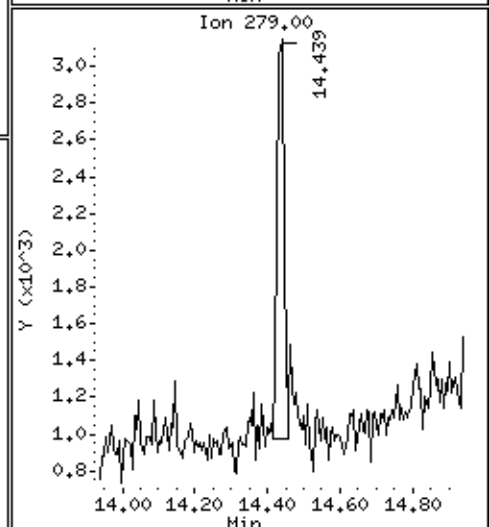
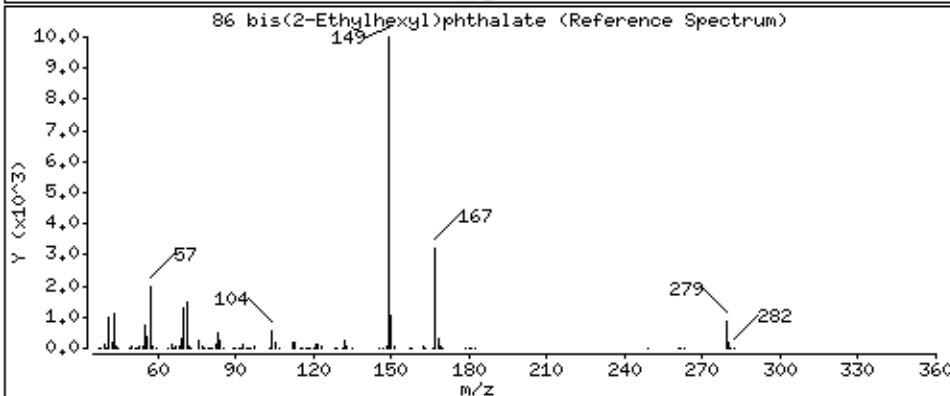
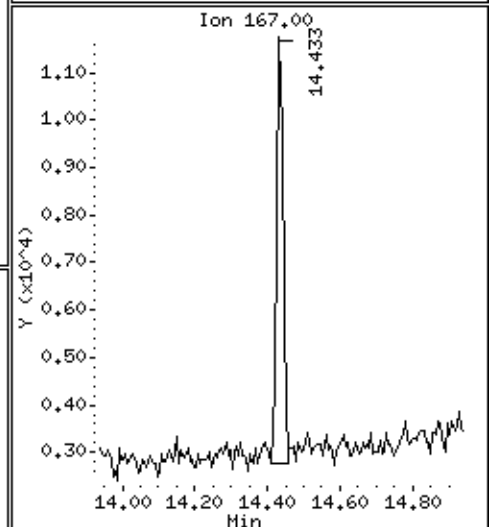
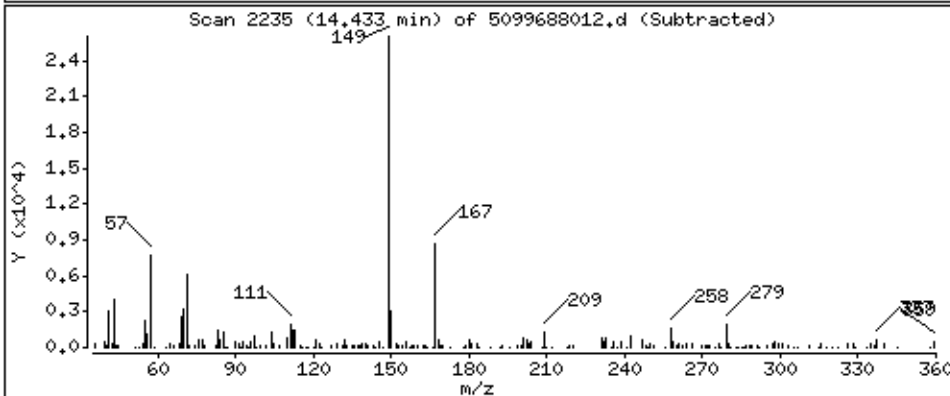
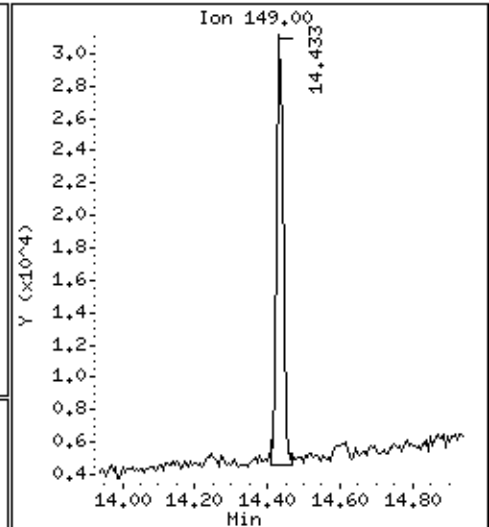
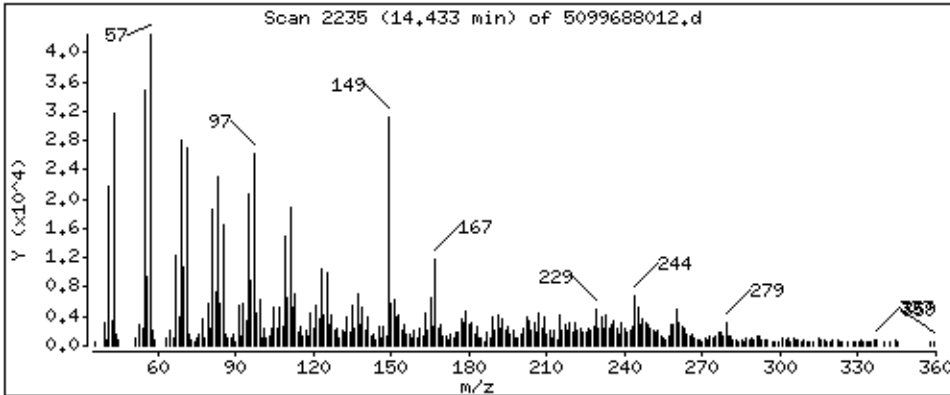
Operator: CEM

Column phase: .50um DB-5ms

Column diameter: 0,25

86 bis(2-Ethylhexyl)phthalate

Concentration: 100.9 ug/Kg



Date : 27-JUN-2014 23:11

Client ID: P-8 RE(0-2)

Instrument: 50MSS3.i

Sample Info: 5099688012

Volume Injected (uL): 1.0

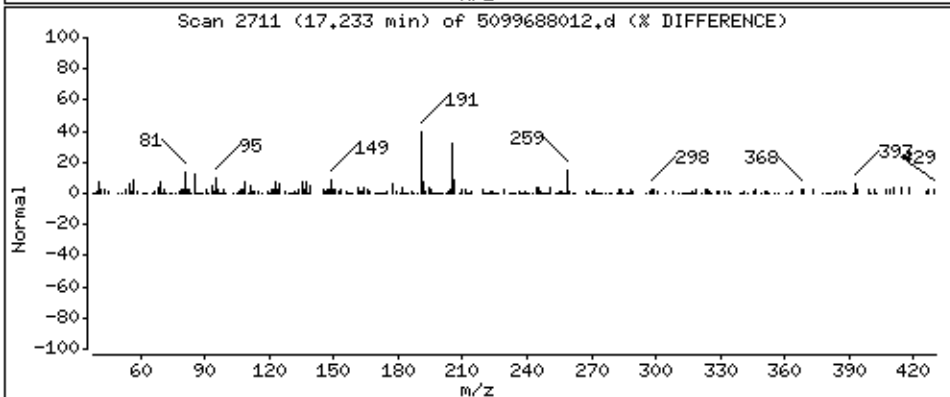
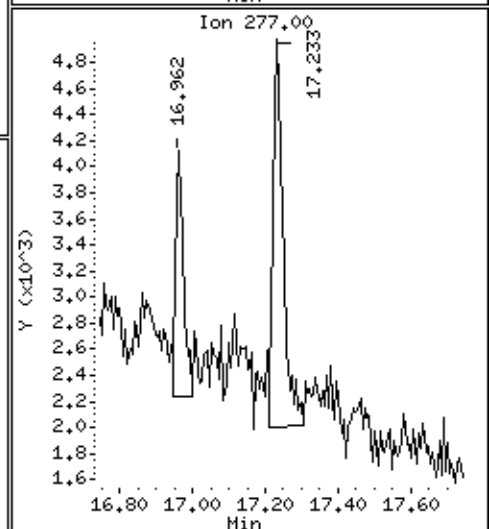
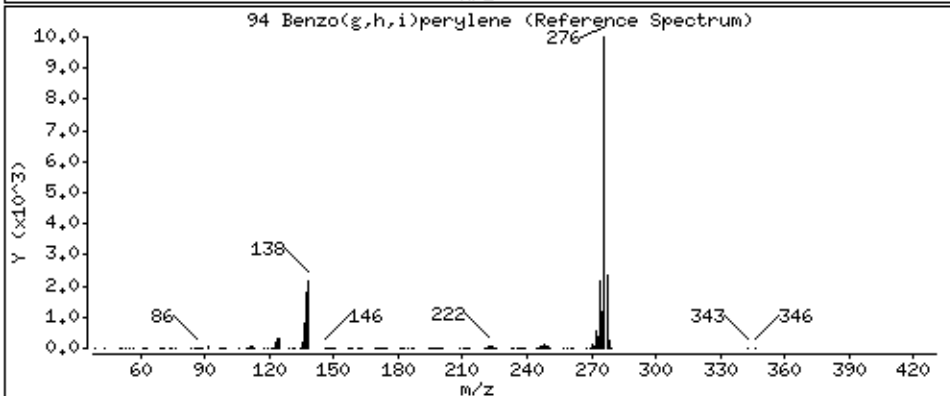
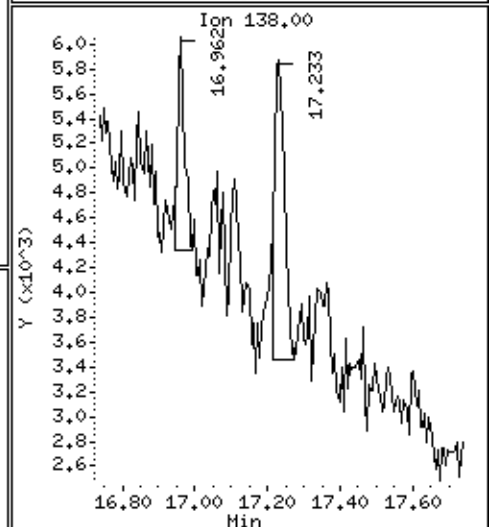
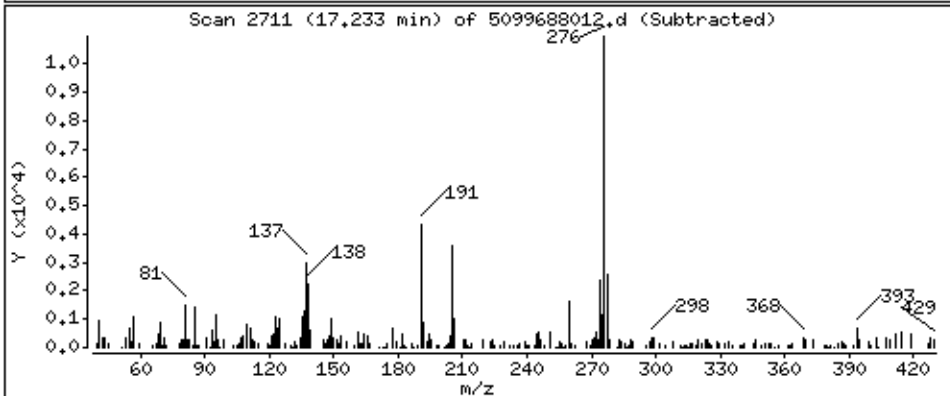
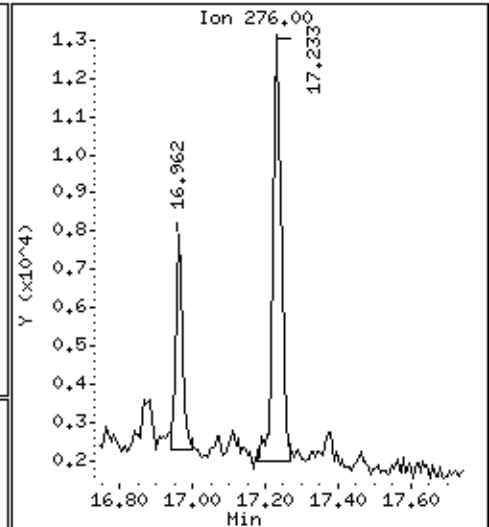
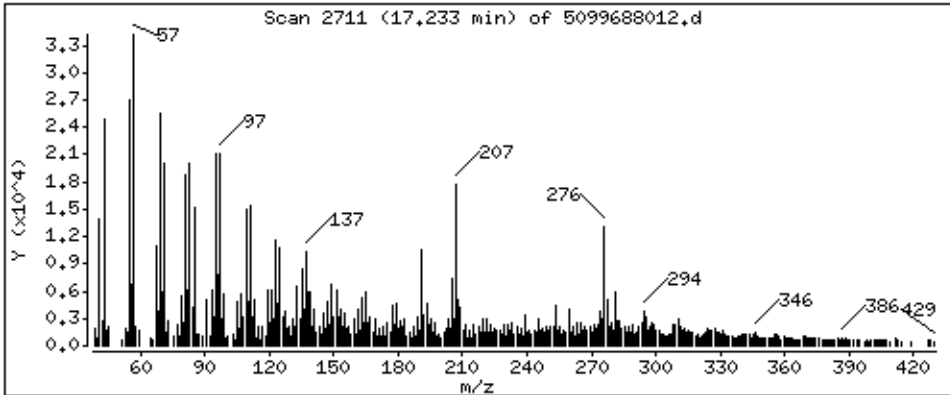
Operator: CEM

Column phase: .50um DB-5ms

Column diameter: 0,25

94 Benzo(g,h,i)perylene

Concentration: 43.94 ug/Kg



MSSV FULL SCAN - FORM I SVOA-1
SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SOIL EQ BLANK

Lab Name: Pace Analytical - Indiana
Date Received: 06/21/2014 10:54
Date Extracted: 06/24/2014 10:38
Date Analyzed: 06/24/2014 21:06
Initial wt/vol: 970 mL Final wt/vol: 1 mL Dilution: 1

Contract: Sibley-Accucast/2339-356-03-00
Matrix: Water SDG No.: 5099688
Lab Sample ID: 5099688013
Lab File ID: 062414.B\5099688013.D
Instrument: 50MSS2 Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
83-32-9	Acenaphthene	ND	U
208-96-8	Acenaphthylene	ND	U
120-12-7	Anthracene	ND	U
56-55-3	Benzo(a)anthracene	ND	U
50-32-8	Benzo(a)pyrene	ND	U
205-99-2	Benzo(b)fluoranthene	ND	U
191-24-2	Benzo(g,h,i)perylene	ND	U
207-08-9	Benzo(k)fluoranthene	ND	U
100-51-6	Benzyl alcohol	ND	U
101-55-3	4-Bromophenylphenyl ether	ND	U
85-68-7	Butylbenzylphthalate	ND	U
59-50-7	4-Chloro-3-methylphenol	ND	U
106-47-8	4-Chloroaniline	ND	U
111-91-1	bis(2-Chloroethoxy)methane	ND	U
111-44-4	bis(2-Chloroethyl) ether	ND	U
108-60-1	bis(2chloro1methylethyl) ether	ND	U
91-58-7	2-Chloronaphthalene	ND	U
95-57-8	2-Chlorophenol	ND	U
7005-72-3	4-Chlorophenylphenyl ether	ND	U
218-01-9	Chrysene	ND	U
53-70-3	Dibenz(a,h)anthracene	ND	U
132-64-9	Dibenzofuran	ND	U
91-94-1	3,3'-Dichlorobenzidine	ND	U
120-83-2	2,4-Dichlorophenol	ND	U
84-66-2	Diethylphthalate	ND	U
105-67-9	2,4-Dimethylphenol	ND	U
131-11-3	Dimethylphthalate	ND	U
84-74-2	Di-n-butylphthalate	ND	U
534-52-1	4,6-Dinitro-2-methylphenol	ND	U
51-28-5	2,4-Dinitrophenol	ND	U
121-14-2	2,4-Dinitrotoluene	ND	U
606-20-2	2,6-Dinitrotoluene	ND	U
117-84-0	Di-n-octylphthalate	ND	U
117-81-7	bis(2-Ethylhexyl)phthalate	ND	U
206-44-0	Fluoranthene	ND	U
86-73-7	Fluorene	ND	U
87-68-3	Hexachloro-1,3-butadiene	ND	U

07/21/2014 8:54

MSSV FULL SCAN - FORM I SVOA-2
SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SOIL EQ BLANK

Lab Name: Pace Analytical - Indiana
Date Received: 06/21/2014 10:54
Date Extracted: 06/24/2014 10:38
Date Analyzed: 06/24/2014 21:06
Initial wt/vol: 970 mL Final wt/vol: 1 mL Dilution: 1

Contract: Sibley-Accucast/2339-356-03-00
Matrix: Water SDG No.: 5099688
Lab Sample ID: 5099688013
Lab File ID: 062414.B\5099688013.D
Instrument: 50MSS2 Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
118-74-1	Hexachlorobenzene	ND	U
77-47-4	Hexachlorocyclopentadiene	ND	U
67-72-1	Hexachloroethane	ND	U
193-39-5	Indeno(1,2,3-cd)pyrene	ND	U
78-59-1	Isophorone	ND	U
91-57-6	2-Methylnaphthalene	ND	U
95-48-7	2-Methylphenol(o-Cresol)	ND	U
	3&4-Methylphenol(m&p Cresol)	ND	U
91-20-3	Naphthalene	ND	U
88-74-4	2-Nitroaniline	ND	U
99-09-2	3-Nitroaniline	ND	U
100-01-6	4-Nitroaniline	ND	U
98-95-3	Nitrobenzene	ND	U
88-75-5	2-Nitrophenol	ND	U
100-02-7	4-Nitrophenol	ND	U
621-64-7	N-Nitroso-di-n-propylamine	ND	U
86-30-6	N-Nitrosodiphenylamine	ND	U
87-86-5	Pentachlorophenol	ND	U
85-01-8	Phenanthrene	ND	U
108-95-2	Phenol	ND	U
129-00-0	Pyrene	ND	U
95-95-4	2,4,5-Trichlorophenol	ND	U
88-06-2	2,4,6-Trichlorophenol	ND	U

07/21/2014 8:54

Pace Analytical Services, Inc.

Semivolatile REPORT SW-846 Method 8270/EPA 625

Data file : \\192.168.50.6\chem\50MSS2.i\062414.b\5099688013.d
 Lab Smp Id: 5099688013 Client Smp ID: SOIL EQ BLANK
 Inj Date : 24-JUN-2014 21:06
 Operator : SN Inst ID: 50MSS2.i
 Smp Info : 5099688013
 Misc Info : 15566
 Comment :
 Method : \\192.168.50.6\chem\50MSS2.i\062414.b\8270c.m
 Meth Date : 25-Jun-2014 09:37 50MSS2.i Quant Type: ISTD
 Cal Date : 09-JUN-2014 14:49 Cal File: 100ppm.d
 Als bottle: 19
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: most.sub
 Target Version: 4.14
 Processing Host: 50-SVOA-SN

Concentration Formula: Amt * DF * Uf * Vt / (Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vt	1000.000	Volume of final extract (uL)
Vo	970.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)
Cpnd Variable		Local Compound Variable

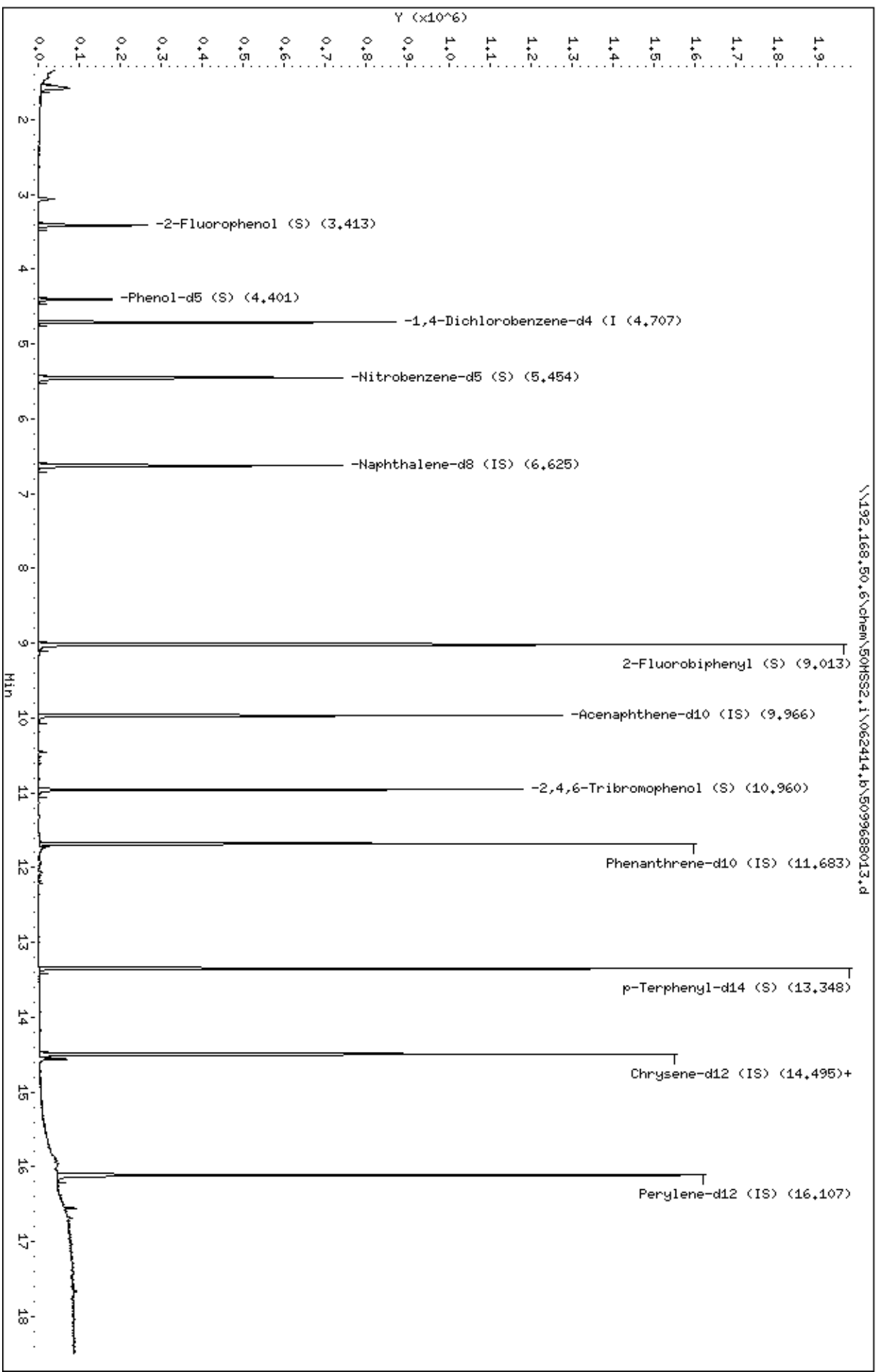
Compounds	QUANT	SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
							ON-COLUMN	FINAL
	MASS						(ug/ml)	(ug/L)
\$ 3 2-Fluorophenol (S)	112		3.413	3.401	(0.725)	114278	24.6296	25.39
\$ 6 Phenol-d5 (S)	99		4.407	4.395	(0.936)	83895	14.3214	14.76
* 11 1,4-Dichlorobenzene-d4 (IS)	152		4.707	4.701	(1.000)	163109	40.0000	(Q)
\$ 23 Nitrobenzene-d5 (S)	82		5.454	5.448	(0.823)	355092	74.9699	77.29
* 32 Naphthalene-d8 (IS)	136		6.624	6.624	(1.000)	618714	40.0000	
\$ 46 2-Fluorobiphenyl (S)	172		9.012	9.012	(0.904)	907077	76.9031	79.28
* 53 Acenaphthene-d10 (IS)	164		9.965	9.965	(1.000)	349708	40.0000	
\$ 67 2,4,6-Tribromophenol (S)	330		10.959	10.959	(0.938)	206556	88.6307	91.37
* 72 Phenanthrene-d10 (IS)	188		11.683	11.683	(1.000)	628695	40.0000	
\$ 80 p-Terphenyl-d14 (S)	244		13.347	13.347	(1.142)	750842	58.1607	59.96
* 84 Chrysene-d12 (IS)	240		14.494	14.500	(1.000)	750126	40.0000	
86 bis(2-Ethylhexyl)phthalate	149		14.559	14.559	(1.004)	28173	2.45714	2.53
* 91 Perylene-d12 (IS)	264		16.106	16.112	(1.000)	699578	40.0000	

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Data File: \\192.168.50.6\chem\50HSS2.1\062414.b\5099688013.d
 Date: 24-JUN-2014 21:06
 Client ID: SOIL EQ BLANK
 Sample Info: 5099688013
 Volume Injected (uL): 1.0
 Column phase: 50um DB-5ms

Instrument: 50HSS2.1
 Operator: SN
 Column diameter: 0.25



Date : 24-JUN-2014 21:06

Client ID: SOIL EQ BLANK

Instrument: 50MSS2.i

Sample Info: 5099688013

Volume Injected (uL): 1.0

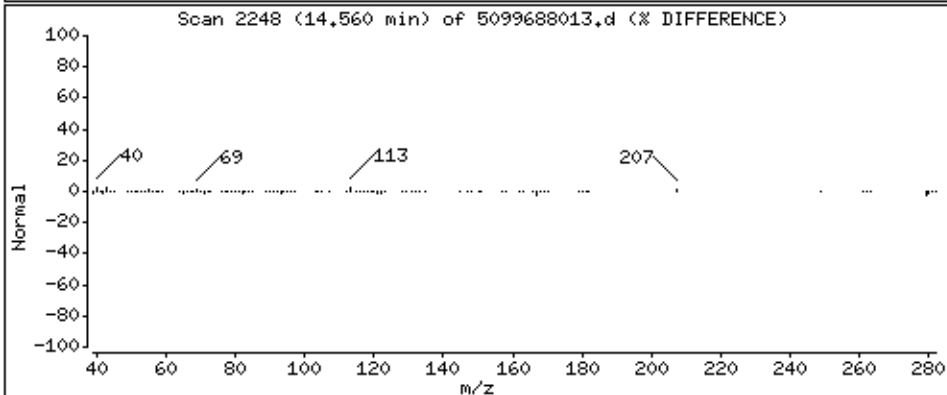
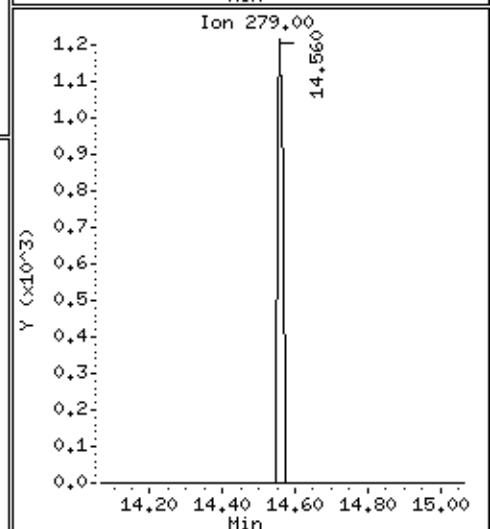
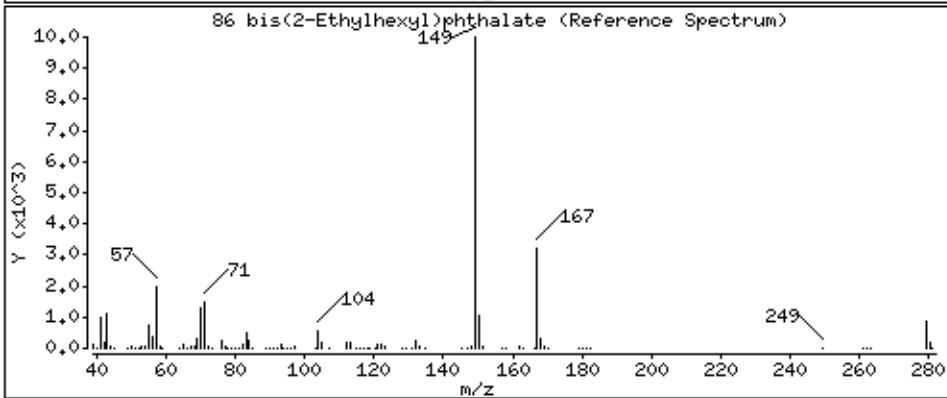
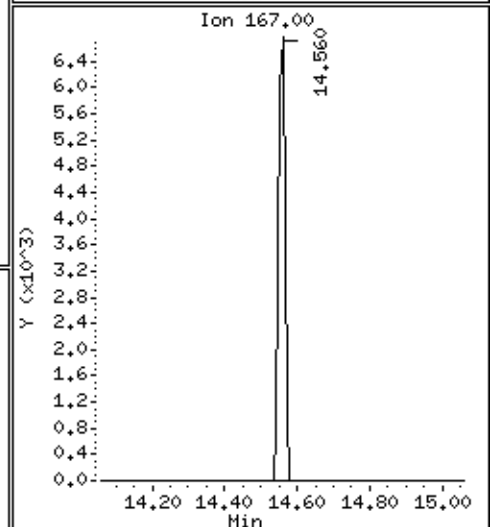
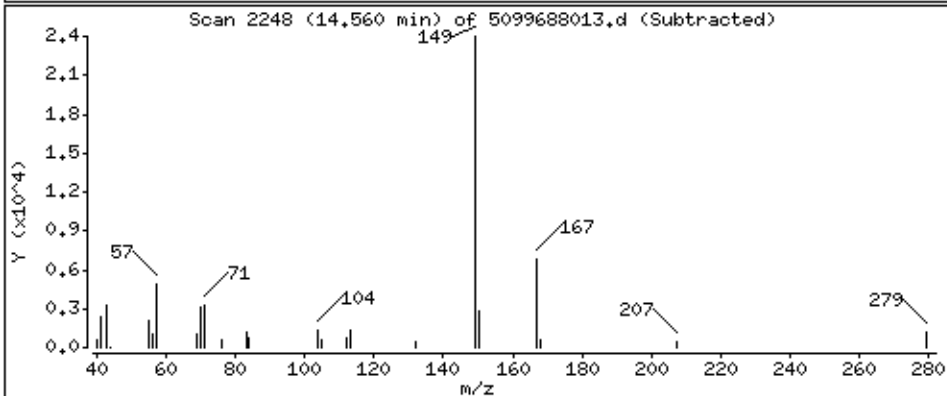
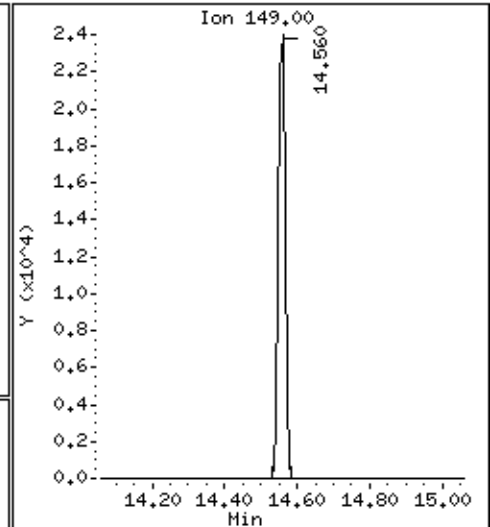
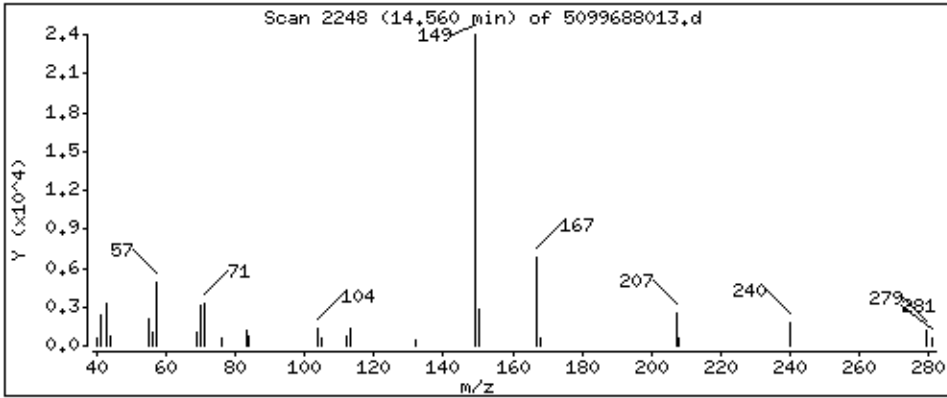
Operator: SN

Column phase: .50um DB-5ms

Column diameter: 0,25

86 bis(2-Ethylhexyl)phthalate

Concentration: 2,53 ug/L



Pace Analytical Services, Inc.

Semivolatile REPORT SW-846 Method 8270/EPA 625

Data file : \\192.168.50.6\chem\50MSS2.i\060914cal.b\5ppm.d
 Lab Smp Id: CAL2,70285:1 Client Smp ID: DFTPP
 Inj Date : 09-JUN-2014 13:19
 Operator : CEM Inst ID: 50MSS2.i
 Smp Info : cal2,70285:1
 Misc Info : 15468
 Comment :
 Method : \\192.168.50.6\chem\50MSS2.i\060914cal.b\8270c.m
 Meth Date : 07-Jul-2014 15:09 cmanuputy Quant Type: ISTD
 Cal Date : 09-JUN-2014 13:19 Cal File: 5ppm.d
 Als bottle: 3 Calibration Sample, Level: 2
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: all.sub
 Target Version: 4.14

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vt	1000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT	SIG	AMOUNTS				CAL-AMT (ug/ml)	ON-COL (ug/ml)
			MASS	RT	EXP RT	REL RT		
1 N-Nitrosodimethylamine	42		2.095	2.083	(0.446)	10236	5.00000	5.08
2 Pyridine	79		2.124	2.089	(0.452)	23686	5.00000	4.53
\$ 3 2-Fluorophenol (S)	112		3.401	3.395	(0.723)	24714	5.00000	5.06
5 Benzaldehyde	77		4.248	4.242	(0.904)	8529	5.00000	10.50
\$ 6 Phenol-d5 (S)	99		4.395	4.395	(0.935)	30942	5.00000	5.02
7 Phenol	94		4.407	4.407	(0.937)	33559	5.00000	5.17
8 bis(2-Chloroethyl)ether	93		4.465	4.465	(0.950)	24139	5.00000	5.14
9 2-Chlorophenol	128		4.518	4.513	(0.961)	29390	5.00000	5.08
10 1,3-Dichlorobenzene	146		4.660	4.660	(0.991)	34703	5.00000	5.34
* 11 1,4-Dichlorobenzene-d4 (IS)	152		4.701	4.701	(1.000)	171559	40.00000	(Q)
12 1,4-Dichlorobenzene	146		4.718	4.718	(1.004)	33669	5.00000	5.19
13 Benzyl Alcohol	108		4.907	4.907	(1.044)	15317	5.00000	4.38
14 1,2-Dichlorobenzene	146		4.936	4.936	(1.050)	32476	5.00000	5.19
15 2-Methylphenol	108		5.083	5.083	(1.081)	24890	5.00000	5.17
16 bis(2chlorolmethylethyl) ether	45		5.089	5.089	(1.083)	33033	5.00000	5.63
17 2,2'-Oxybis(1-chloropropane)	45		5.089	5.089	(1.083)	33033	5.00000	5.63
18 bis(2-Chloroisopropyl)ether	45		5.089	5.089	(1.083)	33033	5.00000	5.63
19 Acetophenone	105		5.236	5.236	(1.114)	38521	5.00000	5.12
20 3&4-Methylphenol	108		5.283	5.283	(1.124)	26417	5.00000	5.09
21 N-Nitroso-di-n-propylamine	70		5.277	5.277	(1.123)	17799	5.00000	5.19
22 Hexachloroethane	117		5.318	5.318	(1.131)	11770	5.00000	5.12

Compounds	QUANT SIG		AMOUNTS				
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/ml)	ON-COL (ug/ml)
§ 23 Nitrobenzene-d5 (S)	82	5.454	5.448	(0.823)	25015	5.00000	4.83
24 Nitrobenzene	77	5.477	5.477	(0.827)	25542	5.00000	4.93
25 Isophorone	82	5.830	5.830	(0.880)	49782	5.00000	5.05
26 2-Nitrophenol	139	5.989	5.983	(0.904)	13519	5.00000	4.30
27 2,4-Dimethylphenol	122	6.101	6.101	(0.921)	24647	5.00000	4.95
28 Benzoic Acid	122	6.301	6.395	(0.951)	7847	5.00000	2.78
29 bis(2-Chloroethoxy)methane	93	6.259	6.259	(0.945)	30502	5.00000	5.01
30 2,4-Dichlorophenol	162	6.430	6.418	(0.971)	24010	5.00000	4.70
31 1,2,4-Trichlorobenzene	180	6.559	6.559	(0.990)	28209	5.00000	5.06
* 32 Naphthalene-d8 (IS)	136	6.624	6.624	(1.000)	676119	40.00000	
33 Naphthalene	128	6.665	6.665	(1.006)	91290	5.00000	5.24
34 2,6-Dichlorophenol	162	6.895	6.889	(1.041)	24085	5.00000	4.85
35 4-Chloroaniline	127	6.901	6.895	(1.042)	27742	5.00000	4.06
36 Hexachlorobutadiene	225	7.077	7.077	(1.068)	16931	5.00000	4.98
37 Caprolactam	113	7.630	7.701	(1.152)	6778	5.00000	4.69
38 4-Chloro-3-methylphenol	107	8.159	8.159	(1.232)	22884	5.00000	4.86
39 2-Methylnaphthalene	142	8.259	8.259	(1.247)	61841	5.00000	5.16
41 1-Methylnaphthalene	142	8.471	8.477	(1.279)	61970	5.00000	5.26
44 2,4,6-Trichlorophenol	196	8.900	8.906	(0.893)	18586	5.00000	4.67
45 2,4,5-Trichlorophenol	196	8.977	8.977	(0.900)	19652	5.00000	4.65
§ 46 2-Fluorobiphenyl (S)	172	9.018	9.018	(0.904)	70242	5.00000	5.19
47 2-Chloronaphthalene	162	9.136	9.136	(0.916)	58750	5.00000	5.26
48 Biphenyl (Diphenyl)	154	9.148	9.147	(0.917)	79961	5.00000	5.34
49 2-Nitroaniline	65	9.412	9.412	(0.944)	12106	5.00000	4.44
50 Dimethylphthalate	163	9.736	9.742	(0.976)	69156	5.00000	5.31 (M)
51 Acenaphthylene	152	9.753	9.759	(0.978)	99920	5.00000	5.21
52 2,6-Dinitrotoluene	165	9.824	9.830	(0.985)	11947	5.00000	4.24
* 53 Acenaphthene-d10 (IS)	164	9.971	9.971	(1.000)	401538	40.00000	
54 3-Nitroaniline	138	10.006	10.006	(1.004)	13168	5.00000	4.28
55 Acenaphthene	153	10.012	10.012	(1.004)	64205	5.00000	5.39
56 2,4-Dinitrophenol	184	10.147	10.147	(1.018)	1709	5.00000	9.50 (M)
57 Dibenzofuran	168	10.218	10.224	(1.025)	88544	5.00000	5.27
58 4-Nitrophenol	109	10.300	10.294	(1.033)	5504	5.00000	3.61
59 2,4-Dinitrotoluene	165	10.330	10.336	(1.036)	16138	5.00000	4.13
60 Diethylphthalate	149	10.624	10.630	(1.065)	68104	5.00000	5.37
61 Fluorene	166	10.642	10.647	(1.067)	73308	5.00000	5.48
62 4-Chlorophenyl-phenylether	204	10.659	10.665	(1.069)	33952	5.00000	5.15
63 4-Nitroaniline	138	10.759	10.777	(1.079)	14014	5.00000	4.35
64 4,6-Dinitro-2-methylphenol	198	10.812	10.812	(0.925)	5652	5.00000	5.52 (Q)
65 N-Nitrosodiphenylamine	169	10.824	10.830	(0.926)	51907	5.00000	5.31
66 1,2-Diphenylhydrazine	77	10.842	10.847	(0.928)	65550	5.00000	5.24
§ 67 2,4,6-Tribromophenol (S)	330	10.959	10.959	(0.938)	12224	5.00000	4.30
68 4-Bromophenyl-phenylether	248	11.212	11.212	(0.960)	21974	5.00000	4.86
69 Hexachlorobenzene	284	11.365	11.365	(0.973)	26510	5.00000	4.91
70 Atrazine	200	11.459	11.471	(0.981)	18485	5.00000	5.07
71 Pentachlorophenol	266	11.577	11.577	(0.991)	8562	5.00000	6.79
* 72 Phenanthrene-d10 (IS)	188	11.683	11.683	(1.000)	766099	40.00000	
73 Phenanthrene	178	11.706	11.712	(1.002)	113530	5.00000	5.52
74 Anthracene	178	11.753	11.759	(1.006)	111195	5.00000	5.38
75 Carbazole	167	11.953	11.959	(1.023)	104154	5.00000	5.34
76 Di-n-butylphthalate	149	12.365	12.371	(1.058)	113682	5.00000	5.19
77 Fluoranthene	202	12.947	12.953	(1.108)	125634	5.00000	5.37
78 Benzidine	184	13.112	13.112	(1.122)	20527	5.00000	3.81
79 Pyrene	202	13.177	13.183	(1.128)	134829	5.00000	5.50

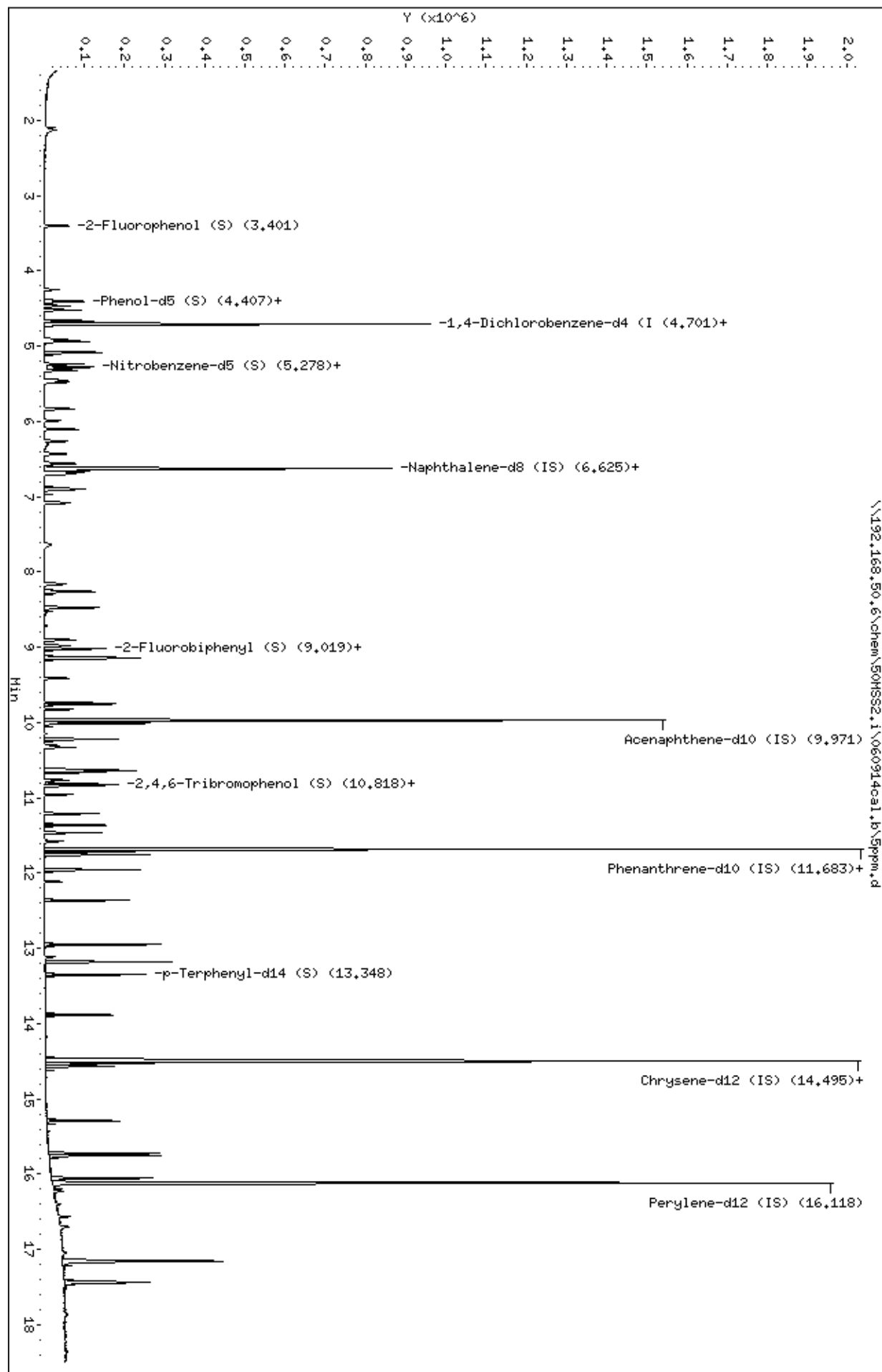
Compounds	QUANT SIG		AMOUNTS					
	MASS		RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/ml)	ON-COL (ug/ml)
\$ 80 p-Terphenyl-d14 (S)	244		13.347	13.353	(1.142)	80812	5.00000	5.14
81 Butylbenzylphthalate	149		13.882	13.888	(0.958)	49099	5.00000	4.93
82 Benzo(a)anthracene	228		14.471	14.482	(0.998)	127550	5.00000	5.29
83 3,3'-Dichlorobenzidine	252		14.477	14.482	(0.999)	41381	5.00000	5.11
* 84 Chrysene-d12 (IS)	240		14.494	14.506	(1.000)	943188	40.00000	
85 Chrysene	228		14.524	14.535	(1.002)	122061	5.00000	5.39
86 bis(2-Ethylhexyl)phthalate	149		14.565	14.571	(1.005)	70737	5.00000	4.91
87 Di-n-octylphthalate	149		15.288	15.294	(0.949)	117196	5.00000	4.74
88 Benzo(b)fluoranthene	252		15.724	15.735	(0.976)	134845	5.00000	5.02
89 Benzo(k)fluoranthene	252		15.747	15.759	(0.977)	146547	5.00000	5.24
90 Benzo(a)pyrene	252		16.053	16.065	(0.996)	123174	5.00000	5.07
* 91 Perylene-d12 (IS)	264		16.118	16.118	(1.000)	887802	40.00000	
92 Indeno(1,2,3-cd)pyrene	276		17.153	17.165	(1.064)	158437	5.00000	5.00
93 Dibenz(a,h)anthracene	278		17.153	17.171	(1.064)	129398	5.00000	5.08
94 Benzo(g,h,i)perylene	276		17.435	17.459	(1.082)	134811	5.00000	5.05

QC Flag Legend

- Q - Qualifier signal failed the ratio test.
- M - Compound response manually integrated.

Data File: \\192.168.50.6\chem\50HSS2.1\060914ca1.b\5ppm.d
 Date: 09-JUN-2014 13:19
 Client ID: DFTPP
 Sample Info: CAL2,70285;1
 Volume Injected (uL): 1.0
 Column phase: 50um DB-5ms

Instrument: 50HSS2.1
 Operator: CEH
 Column diameter: 0.25



Pace Analytical Services, Inc.

Semivolatile REPORT SW-846 Method 8270/EPA 625

Data file : \\192.168.50.6\chem\50MSS2.i\060914cal.b\10ppm.d
 Lab Smp Id: CAL3,70286:1 Client Smp ID: DFTPP
 Inj Date : 09-JUN-2014 13:41
 Operator : CEM Inst ID: 50MSS2.i
 Smp Info : cal3,70286:1
 Misc Info : 15468
 Comment :
 Method : \\192.168.50.6\chem\50MSS2.i\060914cal.b\8270c.m
 Meth Date : 07-Jul-2014 15:09 cmanuputy Quant Type: ISTD
 Cal Date : 09-JUN-2014 13:41 Cal File: 10ppm.d
 Als bottle: 4 Calibration Sample, Level: 3
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: all.sub
 Target Version: 4.14

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vt	1000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT	SIG	AMOUNTS				CAL-AMT (ug/ml)	ON-COL (ug/ml)
			MASS	RT	EXP RT	REL RT		
1 N-Nitrosodimethylamine	42		2.089	2.083	(0.445)	23162	10.0000	10.98
2 Pyridine	79		2.107	2.089	(0.448)	56269	10.0000	10.27
\$ 3 2-Fluorophenol (S)	112		3.395	3.395	(0.722)	54417	10.0000	10.64
5 Benzaldehyde	77		4.248	4.242	(0.904)	16063	10.0000	13.46
\$ 6 Phenol-d5 (S)	99		4.395	4.395	(0.935)	68642	10.0000	10.63
7 Phenol	94		4.407	4.407	(0.937)	72658	10.0000	10.68
8 bis(2-Chloroethyl)ether	93		4.466	4.465	(0.950)	52802	10.0000	10.72
9 2-Chlorophenol	128		4.519	4.513	(0.961)	64680	10.0000	10.66
10 1,3-Dichlorobenzene	146		4.660	4.660	(0.991)	73291	10.0000	10.76
* 11 1,4-Dichlorobenzene-d4 (IS)	152		4.701	4.701	(1.000)	179764	40.0000	
12 1,4-Dichlorobenzene	146		4.719	4.718	(1.004)	73845	10.0000	10.87
13 Benzyl Alcohol	108		4.907	4.907	(1.044)	36652	10.0000	10.00
14 1,2-Dichlorobenzene	146		4.936	4.936	(1.050)	70295	10.0000	10.73
15 2-Methylphenol	108		5.077	5.083	(1.080)	55608	10.0000	11.02
16 bis(2chlorolmethylethyl) ether	45		5.089	5.089	(1.083)	71742	10.0000	11.68
17 2,2'-Oxybis(1-chloropropane)	45		5.089	5.089	(1.083)	71742	10.0000	11.68
18 bis(2-Chloroisopropyl)ether	45		5.089	5.089	(1.083)	71742	10.0000	11.68
19 Acetophenone	105		5.236	5.236	(1.114)	83726	10.0000	10.63
20 3&4-Methylphenol	108		5.283	5.283	(1.124)	58984	10.0000	10.84
21 N-Nitroso-di-n-propylamine	70		5.272	5.277	(1.121)	39360	10.0000	10.94
22 Hexachloroethane	117		5.319	5.318	(1.131)	25418	10.0000	10.55

Compounds	QUANT	SIG						AMOUNTS	
			MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/ml)	ON-COL (ug/ml)
§ 23 Nitrobenzene-d5 (S)	82		5.448	5.448	(0.822)	55933	10.0000	10.34	
24 Nitrobenzene	77		5.477	5.477	(0.827)	57396	10.0000	10.60	
25 Isophorone	82		5.824	5.830	(0.879)	109918	10.0000	10.67	
26 2-Nitrophenol	139		5.989	5.983	(0.904)	32263	10.0000	9.83	
27 2,4-Dimethylphenol	122		6.101	6.101	(0.921)	55513	10.0000	10.68	
28 Benzoic Acid	122		6.301	6.395	(0.951)	24406	10.0000	8.26	
29 bis(2-Chloroethoxy)methane	93		6.260	6.259	(0.945)	69036	10.0000	10.85	
30 2,4-Dichlorophenol	162		6.424	6.418	(0.970)	55164	10.0000	10.34	
31 1,2,4-Trichlorobenzene	180		6.560	6.559	(0.990)	61590	10.0000	10.57	
* 32 Naphthalene-d8 (IS)	136		6.624	6.624	(1.000)	706503	40.0000		
33 Naphthalene	128		6.666	6.665	(1.006)	198568	10.0000	10.90	
34 2,6-Dichlorophenol	162		6.889	6.889	(1.040)	55345	10.0000	10.66	
35 4-Chloroaniline	127		6.895	6.895	(1.041)	79647	10.0000	11.16	
36 Hexachlorobutadiene	225		7.077	7.077	(1.068)	37298	10.0000	10.51	
37 Caprolactam	113		7.613	7.701	(1.149)	15582	10.0000	10.32	
38 4-Chloro-3-methylphenol	107		8.154	8.159	(1.231)	50443	10.0000	10.25	
39 2-Methylnaphthalene	142		8.254	8.259	(1.246)	135521	10.0000	10.83	
41 1-Methylnaphthalene	142		8.471	8.477	(1.279)	134155	10.0000	10.90	
43 Hexachlorocyclopentadiene	237		8.712	8.712	(0.874)	10293	10.0000	14.11	
44 2,4,6-Trichlorophenol	196		8.901	8.906	(0.893)	42022	10.0000	10.13	
45 2,4,5-Trichlorophenol	196		8.971	8.977	(0.900)	44916	10.0000	10.20	
§ 46 2-Fluorobiphenyl (S)	172		9.018	9.018	(0.904)	150602	10.0000	10.67	
47 2-Chloronaphthalene	162		9.130	9.136	(0.916)	127774	10.0000	10.97	
48 Biphenyl (Diphenyl)	154		9.148	9.147	(0.917)	175347	10.0000	11.24	
49 2-Nitroaniline	65		9.407	9.412	(0.943)	28377	10.0000	9.98	
50 Dimethylphthalate	163		9.736	9.742	(0.976)	147305	10.0000	10.86 (M)	
51 Acenaphthylene	152		9.754	9.759	(0.978)	218883	10.0000	10.96	
52 2,6-Dinitrotoluene	165		9.824	9.830	(0.985)	28481	10.0000	9.70	
* 53 Acenaphthene-d10 (IS)	164		9.971	9.971	(1.000)	418497	40.0000		
54 3-Nitroaniline	138		10.001	10.006	(1.003)	31779	10.0000	9.92	
55 Acenaphthene	153		10.007	10.012	(1.004)	139612	10.0000	11.24	
56 2,4-Dinitrophenol	184		10.148	10.147	(1.018)	6755	10.0000	11.87 (M)	
57 Dibenzofuran	168		10.218	10.224	(1.025)	191305	10.0000	10.93	
58 4-Nitrophenol	109		10.301	10.294	(1.033)	13912	10.0000	8.75	
59 2,4-Dinitrotoluene	165		10.330	10.336	(1.036)	39668	10.0000	9.75	
60 Diethylphthalate	149		10.624	10.630	(1.065)	147382	10.0000	11.14	
61 Fluorene	166		10.642	10.647	(1.067)	157944	10.0000	11.33	
62 4-Chlorophenyl-phenylether	204		10.665	10.665	(1.070)	73177	10.0000	10.65	
63 4-Nitroaniline	138		10.759	10.777	(1.079)	30473	10.0000	9.08	
64 4,6-Dinitro-2-methylphenol	198		10.806	10.812	(0.925)	16835	10.0000	9.57	
65 N-Nitrosodiphenylamine	169		10.824	10.830	(0.926)	113069	10.0000	11.15	
66 1,2-Diphenylhydrazine	77		10.842	10.847	(0.928)	142169	10.0000	10.96	
§ 67 2,4,6-Tribromophenol (S)	330		10.959	10.959	(0.938)	28310	10.0000	9.62	
68 4-Bromophenyl-phenylether	248		11.212	11.212	(0.960)	47662	10.0000	10.17	
69 Hexachlorobenzene	284		11.365	11.365	(0.973)	57220	10.0000	10.22	
70 Atrazine	200		11.465	11.471	(0.981)	39732	10.0000	10.52	
71 Pentachlorophenol	266		11.577	11.577	(0.991)	21772	10.0000	10.54	
* 72 Phenanthrene-d10 (IS)	188		11.683	11.683	(1.000)	794162	40.0000		
73 Phenanthrene	178		11.706	11.712	(1.002)	238355	10.0000	11.19	
74 Anthracene	178		11.753	11.759	(1.006)	236702	10.0000	11.04	
75 Carbazole	167		11.953	11.959	(1.023)	222519	10.0000	11.02	
76 Di-n-butylphthalate	149		12.365	12.371	(1.058)	249993	10.0000	11.00	
77 Fluoranthene	202		12.953	12.953	(1.109)	271511	10.0000	11.19	
78 Benzidine	184		13.112	13.112	(1.122)	47864	10.0000	8.58	

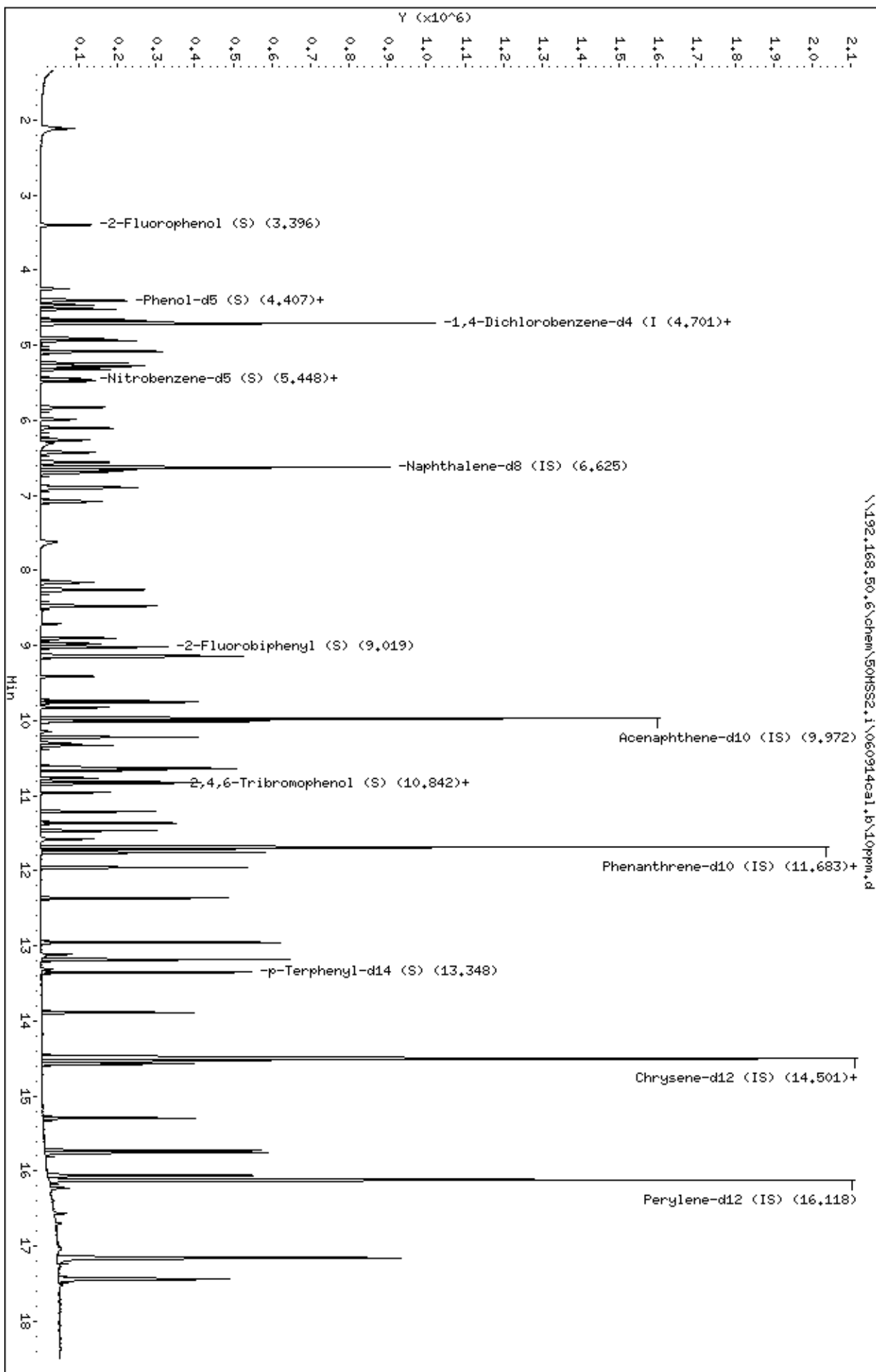
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS	
						CAL-AMT (ug/ml)	ON-COL (ug/ml)
79 Pyrene	202	13.177	13.183	(1.128)	284692	10.0000	11.20
\$ 80 p-Terphenyl-d14 (S)	244	13.347	13.353	(1.142)	177111	10.0000	10.86
81 Butylbenzylphthalate	149	13.883	13.888	(0.957)	109107	10.0000	10.68
82 Benzo(a)anthracene	228	14.477	14.482	(0.998)	274701	10.0000	11.12
83 3,3'-Dichlorobenzidine	252	14.483	14.482	(0.999)	91749	10.0000	11.06
* 84 Chrysene-d12 (IS)	240	14.500	14.506	(1.000)	966533	40.0000	
85 Chrysene	228	14.530	14.535	(1.002)	257386	10.0000	11.09
86 bis(2-Ethylhexyl)phthalate	149	14.565	14.571	(1.004)	158283	10.0000	10.71
87 Di-n-octylphthalate	149	15.289	15.294	(0.949)	266791	10.0000	10.67
88 Benzo(b)fluoranthene	252	15.724	15.735	(0.976)	269242	10.0000	9.91
89 Benzo(k)fluoranthene	252	15.753	15.759	(0.977)	346789	10.0000	12.26
90 Benzo(a)pyrene	252	16.059	16.065	(0.996)	264962	10.0000	10.78
* 91 Perylene-d12 (IS)	264	16.118	16.118	(1.000)	897586	40.0000	
92 Indeno(1,2,3-cd)pyrene	276	17.153	17.165	(1.064)	341209	10.0000	10.65
93 Dibenz(a,h)anthracene	278	17.159	17.171	(1.065)	278992	10.0000	10.84
94 Benzo(g,h,i)perylene	276	17.441	17.459	(1.082)	288353	10.0000	10.68

QC Flag Legend

M - Compound response manually integrated.

Data File: \\192.168.50.6\chem\50HSS2.1\060914ca1.b\10ppm.d
 Date: 09-JUN-2014 13:41
 Client ID: DFTPP
 Sample Info: CAL3,70286;1
 Volume Injected (uL): 1.0
 Column phase: 50um DB-5ms

Instrument: 50HSS2.1
 Operator: CEH
 Column diameter: 0.25



Pace Analytical Services, Inc.

Semivolatile REPORT SW-846 Method 8270/EPA 625

Data file : \\192.168.50.6\chem\50MSS2.i\060914cal.b\20ppm.d
 Lab Smp Id: CAL4,70287:1 Client Smp ID: DFTPP
 Inj Date : 09-JUN-2014 14:04
 Operator : CEM Inst ID: 50MSS2.i
 Smp Info : cal4,70287:1
 Misc Info : 15468
 Comment :
 Method : \\192.168.50.6\chem\50MSS2.i\060914cal.b\8270c.m
 Meth Date : 07-Jul-2014 15:09 cmanuputy Quant Type: ISTD
 Cal Date : 09-JUN-2014 14:04 Cal File: 20ppm.d
 Als bottle: 5 Calibration Sample, Level: 4
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: all.sub
 Target Version: 4.14

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vt	1000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT	SIG					AMOUNTS	
			MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/ml)
1 N-Nitrosodimethylamine	42		2.089	2.083	(0.445)	47193	20.0000	21.04
2 Pyridine	79		2.101	2.089	(0.447)	124056	20.0000	21.30
\$ 3 2-Fluorophenol (S)	112		3.401	3.395	(0.724)	112533	20.0000	20.70
5 Benzaldehyde	77		4.248	4.242	(0.904)	34385	20.0000	20.21
\$ 6 Phenol-d5 (S)	99		4.395	4.395	(0.935)	145047	20.0000	21.13
7 Phenol	94		4.407	4.407	(0.937)	153583	20.0000	21.24
8 bis(2-Chloroethyl)ether	93		4.466	4.465	(0.950)	109838	20.0000	20.98
9 2-Chlorophenol	128		4.513	4.513	(0.960)	134104	20.0000	20.80
10 1,3-Dichlorobenzene	146		4.660	4.660	(0.991)	152493	20.0000	21.07
* 11 1,4-Dichlorobenzene-d4 (IS)	152		4.701	4.701	(1.000)	191101	40.0000	
12 1,4-Dichlorobenzene	146		4.719	4.718	(1.004)	151473	20.0000	20.97
13 Benzyl Alcohol	108		4.907	4.907	(1.044)	79330	20.0000	20.37
14 1,2-Dichlorobenzene	146		4.936	4.936	(1.050)	146032	20.0000	20.96
15 2-Methylphenol	108		5.077	5.083	(1.080)	115983	20.0000	21.62
16 bis(2chlorolmethylethyl) ether	45		5.089	5.089	(1.083)	146940	20.0000	22.50
17 2,2'-Oxybis(1-chloropropane)	45		5.089	5.089	(1.083)	146940	20.0000	22.50
18 bis(2-Chloroisopropyl)ether	45		5.089	5.089	(1.083)	146940	20.0000	22.50
19 Acetophenone	105		5.236	5.236	(1.114)	174421	20.0000	20.83
20 3&4-Methylphenol	108		5.283	5.283	(1.124)	123172	20.0000	21.29
21 N-Nitroso-di-n-propylamine	70		5.271	5.277	(1.121)	82252	20.0000	21.51
22 Hexachloroethane	117		5.319	5.318	(1.131)	52749	20.0000	20.60

Compounds	QUANT	SIG						AMOUNTS	
			MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/ml)	ON-COL (ug/ml)
§ 23 Nitrobenzene-d5 (S)	82		5.448	5.448	(0.822)	118853	20.0000	20.82	
24 Nitrobenzene	77		5.477	5.477	(0.827)	118980	20.0000	20.82	
25 Isophorone	82		5.824	5.830	(0.879)	229268	20.0000	21.08	
26 2-Nitrophenol	139		5.983	5.983	(0.903)	70364	20.0000	20.31	
27 2,4-Dimethylphenol	122		6.101	6.101	(0.921)	115853	20.0000	21.11	
28 Benzoic Acid	122		6.318	6.395	(0.954)	61777	20.0000	19.82	
29 bis(2-Chloroethoxy)methane	93		6.260	6.259	(0.945)	142146	20.0000	21.16	
30 2,4-Dichlorophenol	162		6.418	6.418	(0.969)	117690	20.0000	20.90	
31 1,2,4-Trichlorobenzene	180		6.560	6.559	(0.990)	128669	20.0000	20.92	
* 32 Naphthalene-d8 (IS)	136		6.624	6.624	(1.000)	745702	40.0000		
33 Naphthalene	128		6.665	6.665	(1.006)	407630	20.0000	21.20	
34 2,6-Dichlorophenol	162		6.889	6.889	(1.040)	115980	20.0000	21.16	
35 4-Chloroaniline	127		6.895	6.895	(1.041)	168128	20.0000	22.33	
36 Hexachlorobutadiene	225		7.077	7.077	(1.068)	76706	20.0000	20.48	
37 Caprolactam	113		7.624	7.701	(1.151)	36501	20.0000	22.92	
38 4-Chloro-3-methylphenol	107		8.154	8.159	(1.231)	108410	20.0000	20.88	
39 2-Methylnaphthalene	142		8.259	8.259	(1.247)	283726	20.0000	21.48	
41 1-Methylnaphthalene	142		8.471	8.477	(1.279)	279136	20.0000	21.49	
43 Hexachlorocyclopentadiene	237		8.712	8.712	(0.874)	34485	20.0000	20.66	
44 2,4,6-Trichlorophenol	196		8.901	8.906	(0.893)	89344	20.0000	20.67	
45 2,4,5-Trichlorophenol	196		8.971	8.977	(0.900)	96362	20.0000	20.99	
§ 46 2-Fluorobiphenyl (S)	172		9.018	9.018	(0.904)	314695	20.0000	21.39	
47 2-Chloronaphthalene	162		9.130	9.136	(0.916)	264660	20.0000	21.81	
48 Biphenyl (Diphenyl)	154		9.148	9.147	(0.917)	356409	20.0000	21.92	
49 2-Nitroaniline	65		9.406	9.412	(0.943)	61713	20.0000	20.83	
50 Dimethylphthalate	163		9.736	9.742	(0.976)	304729	20.0000	21.55	
51 Acenaphthylene	152		9.754	9.759	(0.978)	456025	20.0000	21.91	
52 2,6-Dinitrotoluene	165		9.824	9.830	(0.985)	63295	20.0000	20.68	
* 53 Acenaphthene-d10 (IS)	164		9.971	9.971	(1.000)	436138	40.0000		
54 3-Nitroaniline	138		10.001	10.006	(1.003)	70281	20.0000	21.04	
55 Acenaphthene	153		10.012	10.012	(1.004)	289168	20.0000	22.34	
56 2,4-Dinitrophenol	184		10.142	10.147	(1.017)	22544	20.0000	18.97 (M)	
57 Dibenzofuran	168		10.218	10.224	(1.025)	394339	20.0000	21.62	
58 4-Nitrophenol	109		10.295	10.294	(1.032)	32309	20.0000	19.50	
59 2,4-Dinitrotoluene	165		10.330	10.336	(1.036)	87982	20.0000	20.75	
60 Diethylphthalate	149		10.624	10.630	(1.065)	306900	20.0000	22.26	
61 Fluorene	166		10.642	10.647	(1.067)	325463	20.0000	22.40	
62 4-Chlorophenyl-phenylether	204		10.665	10.665	(1.070)	154461	20.0000	21.58	
63 4-Nitroaniline	138		10.759	10.777	(1.079)	71988	20.0000	20.59	
64 4,6-Dinitro-2-methylphenol	198		10.806	10.812	(0.925)	44088	20.0000	18.88	
65 N-Nitrosodiphenylamine	169		10.824	10.830	(0.926)	231119	20.0000	21.76	
66 1,2-Diphenylhydrazine	77		10.842	10.847	(0.928)	295965	20.0000	21.76	
§ 67 2,4,6-Tribromophenol (S)	330		10.959	10.959	(0.938)	60643	20.0000	19.66	
68 4-Bromophenyl-phenylether	248		11.212	11.212	(0.960)	100776	20.0000	20.52	
69 Hexachlorobenzene	284		11.365	11.365	(0.973)	120755	20.0000	20.58	
70 Atrazine	200		11.465	11.471	(0.981)	84732	20.0000	21.41	
71 Pentachlorophenol	266		11.577	11.577	(0.991)	53669	20.0000	19.08	
* 72 Phenanthrene-d10 (IS)	188		11.683	11.683	(1.000)	832270	40.0000		
73 Phenanthrene	178		11.706	11.712	(1.002)	490651	20.0000	21.97	
74 Anthracene	178		11.753	11.759	(1.006)	495401	20.0000	22.05	
75 Carbazole	167		11.953	11.959	(1.023)	459556	20.0000	21.71	
76 Di-n-butylphthalate	149		12.365	12.371	(1.058)	517737	20.0000	21.74	
77 Fluoranthene	202		12.953	12.953	(1.109)	554039	20.0000	21.79	
78 Benzidine	184		13.112	13.112	(1.122)	109127	20.0000	18.67	

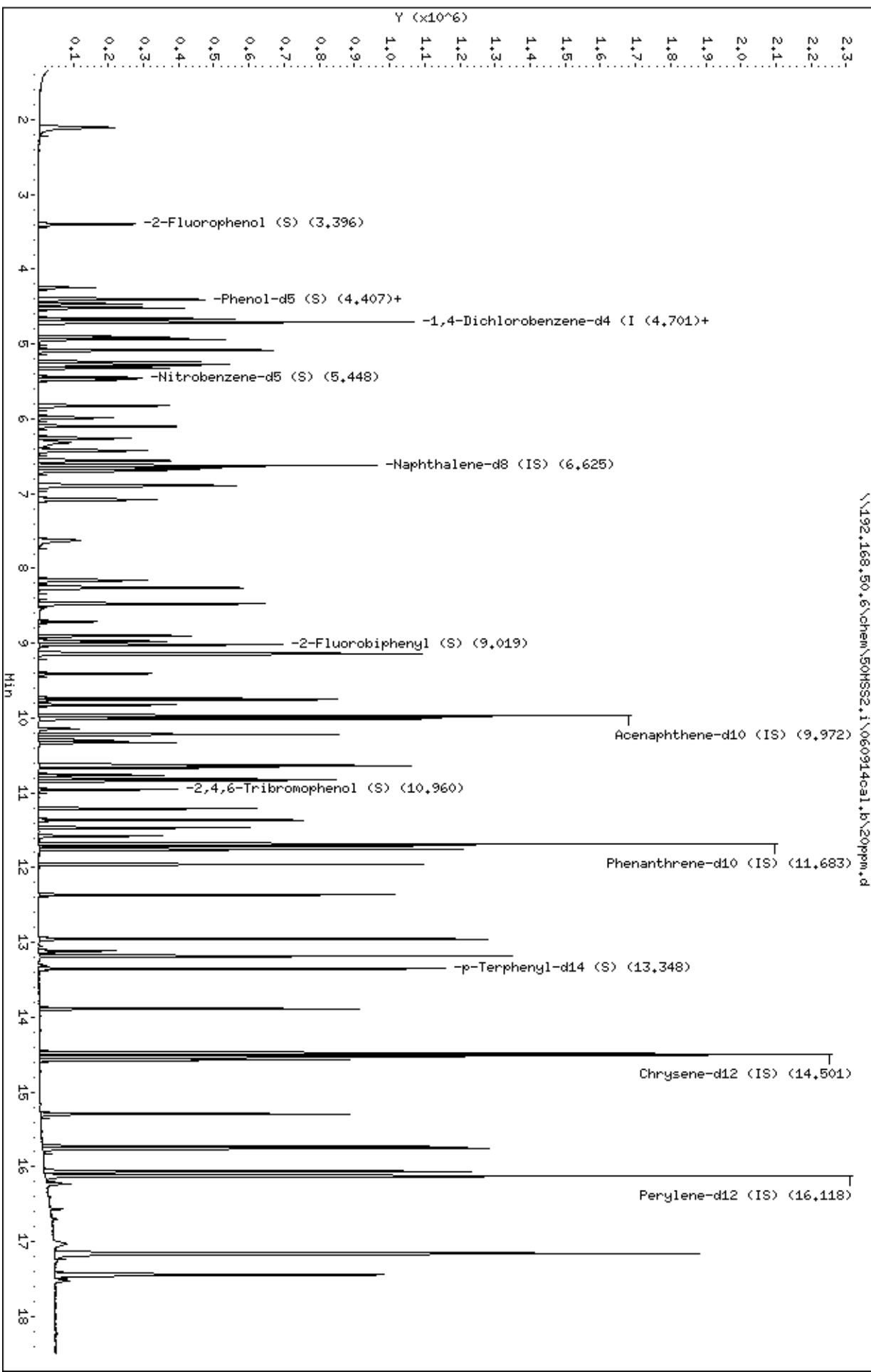
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS	
						CAL-AMT (ug/ml)	ON-COL (ug/ml)
79 Pyrene	202	13.177	13.183	(1.128)	589013	20.0000	22.12
\$ 80 p-Terphenyl-d14 (S)	244	13.347	13.353	(1.142)	363359	20.0000	21.26
81 Butylbenzylphthalate	149	13.883	13.888	(0.957)	231199	20.0000	21.25
82 Benzo(a)anthracene	228	14.477	14.482	(0.998)	569994	20.0000	21.66
83 3,3'-Dichlorobenzidine	252	14.483	14.482	(0.999)	189353	20.0000	21.43
* 84 Chrysene-d12 (IS)	240	14.500	14.506	(1.000)	1029675	40.0000	
85 Chrysene	228	14.530	14.535	(1.002)	530393	20.0000	21.45
86 bis(2-Ethylhexyl)phthalate	149	14.565	14.571	(1.004)	336224	20.0000	21.36
87 Di-n-octylphthalate	149	15.288	15.294	(0.949)	577795	20.0000	21.43
88 Benzo(b)fluoranthene	252	15.730	15.735	(0.976)	629323	20.0000	21.49
89 Benzo(k)fluoranthene	252	15.753	15.759	(0.977)	634039	20.0000	20.79
90 Benzo(a)pyrene	252	16.059	16.065	(0.996)	550309	20.0000	20.77
* 91 Perylene-d12 (IS)	264	16.118	16.118	(1.000)	967771	40.0000	
92 Indeno(1,2,3-cd)pyrene	276	17.153	17.165	(1.064)	716987	20.0000	20.76
93 Dibenz(a,h)anthracene	278	17.159	17.171	(1.065)	585757	20.0000	21.10
94 Benzo(g,h,i)perylene	276	17.441	17.459	(1.082)	597024	20.0000	20.51

QC Flag Legend

M - Compound response manually integrated.

Data File: \\192.168.50.6\chem\50HSS2.1\060914ca1.b\20ppm.d
 Date: 09-JUN-2014 14:04
 Client ID: DFTPP
 Sample Info: CAL4,70287;1
 Volume Injected (uL): 1.0
 Column phase: 50um DB-5ms

Instrument: 50HSS2.1
 Operator: CEH
 Column diameter: 0.25



Pace Analytical Services, Inc.

Semivolatile REPORT SW-846 Method 8270/EPA 625

Data file : \\192.168.50.6\chem\50MSS2.i\060914cal.b\50ppm.d
 Lab Smp Id: CAL5,70288:1 Client Smp ID: DFTPP
 Inj Date : 09-JUN-2014 14:26
 Operator : CEM Inst ID: 50MSS2.i
 Smp Info : cal5,70288:1
 Misc Info : 15468
 Comment :
 Method : \\192.168.50.6\chem\50MSS2.i\060914cal.b\8270c.m
 Meth Date : 07-Jul-2014 15:09 cmanuputy Quant Type: ISTD
 Cal Date : 09-JUN-2014 14:26 Cal File: 50ppm.d
 Als bottle: 6 Calibration Sample, Level: 5
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: all.sub
 Target Version: 4.14

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vt	1000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT	SIG	MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS	
								CAL-AMT	ON-COL
								(ug/ml)	(ug/ml)
1 N-Nitrosodimethylamine	42			2.083	2.083	(0.443)	110429	50.0000	48.20 (H)
2 Pyridine	79			2.095	2.089	(0.446)	294854	50.0000	49.56
\$ 3 2-Fluorophenol (S)	112			3.395	3.395	(0.722)	274244	50.0000	49.38
5 Benzaldehyde	77			4.242	4.242	(0.902)	94127	50.0000	42.76
\$ 6 Phenol-d5 (S)	99			4.395	4.395	(0.935)	347074	50.0000	49.50
7 Phenol	94			4.407	4.407	(0.937)	365523	50.0000	49.49
8 bis(2-Chloroethyl)ether	93			4.465	4.465	(0.950)	262673	50.0000	49.11
9 2-Chlorophenol	128			4.513	4.513	(0.960)	322229	50.0000	48.92
10 1,3-Dichlorobenzene	146			4.660	4.660	(0.991)	358191	50.0000	48.44
* 11 1,4-Dichlorobenzene-d4 (IS)	152			4.701	4.701	(1.000)	195218	40.0000	
12 1,4-Dichlorobenzene	146			4.718	4.718	(1.004)	359666	50.0000	48.75
13 Benzyl Alcohol	108			4.907	4.907	(1.044)	195192	50.0000	49.07
14 1,2-Dichlorobenzene	146			4.936	4.936	(1.050)	345695	50.0000	48.58
15 2-Methylphenol	108			5.083	5.083	(1.081)	266925	50.0000	48.71
16 bis(2chlorolmethylethyl) ether	45			5.089	5.089	(1.083)	336520	50.0000	50.44
17 2,2'-Oxybis(1-chloropropane)	45			5.089	5.089	(1.083)	336520	50.0000	50.44
18 bis(2-Chloroisopropyl)ether	45			5.089	5.089	(1.083)	336520	50.0000	50.44
19 Acetophenone	105			5.236	5.236	(1.114)	413904	50.0000	48.38
20 3&4-Methylphenol	108			5.283	5.283	(1.124)	293549	50.0000	49.67
21 N-Nitroso-di-n-propylamine	70			5.271	5.277	(1.121)	192622	50.0000	49.32
22 Hexachloroethane	117			5.318	5.318	(1.131)	127184	50.0000	48.61

Compounds	QUANT	SIG						AMOUNTS	
			MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/ml)	ON-COL (ug/ml)
§ 23 Nitrobenzene-d5 (S)	82		5.448	5.448	(0.822)	286987	50.0000	48.83	
24 Nitrobenzene	77		5.471	5.477	(0.826)	286947	50.0000	48.76	
25 Isophorone	82		5.824	5.830	(0.879)	541511	50.0000	48.37	
26 2-Nitrophenol	139		5.983	5.983	(0.903)	176918	50.0000	49.60	
27 2,4-Dimethylphenol	122		6.101	6.101	(0.921)	277799	50.0000	49.17	
28 Benzoic Acid	122		6.354	6.395	(0.959)	170101	50.0000	53.01	
29 bis(2-Chloroethoxy)methane	93		6.259	6.259	(0.945)	338503	50.0000	48.95	
30 2,4-Dichlorophenol	162		6.418	6.418	(0.969)	284430	50.0000	49.06	
31 1,2,4-Trichlorobenzene	180		6.559	6.559	(0.990)	307775	50.0000	48.60	
* 32 Naphthalene-d8 (IS)	136		6.624	6.624	(1.000)	767741	40.0000		
33 Naphthalene	128		6.665	6.665	(1.006)	967680	50.0000	48.89	
34 2,6-Dichlorophenol	162		6.889	6.889	(1.040)	276047	50.0000	48.92	
35 4-Chloroaniline	127		6.895	6.895	(1.041)	396278	50.0000	51.11	
36 Hexachlorobutadiene	225		7.077	7.077	(1.068)	184814	50.0000	47.92	
37 Caprolactam	113		7.653	7.701	(1.155)	82636	50.0000	50.39	
38 4-Chloro-3-methylphenol	107		8.159	8.159	(1.232)	260479	50.0000	48.73	
39 2-Methylnaphthalene	142		8.259	8.259	(1.247)	667686	50.0000	49.10	
41 1-Methylnaphthalene	142		8.471	8.477	(1.279)	657567	50.0000	49.17	
43 Hexachlorocyclopentadiene	237		8.712	8.712	(0.874)	120199	50.0000	43.86	
44 2,4,6-Trichlorophenol	196		8.900	8.906	(0.893)	215796	50.0000	49.28	
45 2,4,5-Trichlorophenol	196		8.971	8.977	(0.900)	224057	50.0000	48.16	
§ 46 2-Fluorobiphenyl (S)	172		9.018	9.018	(0.904)	735972	50.0000	49.37	
47 2-Chloronaphthalene	162		9.136	9.136	(0.916)	616561	50.0000	50.14	
48 Biphenyl (Diphenyl)	154		9.148	9.147	(0.917)	823712	50.0000	49.99	
49 2-Nitroaniline	65		9.412	9.412	(0.944)	149756	50.0000	49.88	
50 Dimethylphthalate	163		9.736	9.742	(0.976)	703172	50.0000	49.07	
51 Acenaphthylene	152		9.759	9.759	(0.979)	1057761	50.0000	50.15	
52 2,6-Dinitrotoluene	165		9.824	9.830	(0.985)	153283	50.0000	49.41	
* 53 Acenaphthene-d10 (IS)	164		9.971	9.971	(1.000)	441972	40.0000		
54 3-Nitroaniline	138		10.000	10.006	(1.003)	176543	50.0000	52.17	
55 Acenaphthene	153		10.012	10.012	(1.004)	665085	50.0000	50.71	
56 2,4-Dinitrophenol	184		10.142	10.147	(1.017)	75134	50.0000	42.60	
57 Dibenzofuran	168		10.218	10.224	(1.025)	915395	50.0000	49.53	
58 4-Nitrophenol	109		10.294	10.294	(1.032)	79699	50.0000	47.48	
59 2,4-Dinitrotoluene	165		10.330	10.336	(1.036)	214229	50.0000	49.87	
60 Diethylphthalate	149		10.630	10.630	(1.066)	700204	50.0000	50.12	
61 Fluorene	166		10.642	10.647	(1.067)	739308	50.0000	50.22	
62 4-Chlorophenyl-phenylether	204		10.665	10.665	(1.070)	350500	50.0000	48.31	
63 4-Nitroaniline	138		10.765	10.777	(1.080)	177342	50.0000	50.05	
64 4,6-Dinitro-2-methylphenol	198		10.812	10.812	(0.925)	123183	50.0000	47.09	
65 N-Nitrosodiphenylamine	169		10.824	10.830	(0.926)	533141	50.0000	50.62	
66 1,2-Diphenylhydrazine	77		10.842	10.847	(0.928)	686972	50.0000	50.96	
§ 67 2,4,6-Tribromophenol (S)	330		10.959	10.959	(0.938)	147840	50.0000	48.33	
68 4-Bromophenyl-phenylether	248		11.212	11.212	(0.960)	241404	50.0000	49.59	
69 Hexachlorobenzene	284		11.365	11.365	(0.973)	283674	50.0000	48.78	
70 Atrazine	200		11.465	11.471	(0.981)	198517	50.0000	50.60	
71 Pentachlorophenol	266		11.577	11.577	(0.991)	148704	50.0000	45.77	
* 72 Phenanthrene-d10 (IS)	188		11.683	11.683	(1.000)	825151	40.0000		
73 Phenanthrene	178		11.712	11.712	(1.003)	1110412	50.0000	50.16	
74 Anthracene	178		11.759	11.759	(1.007)	1125318	50.0000	50.53	
75 Carbazole	167		11.959	11.959	(1.024)	1070614	50.0000	51.01	
76 Di-n-butylphthalate	149		12.365	12.371	(1.058)	1191746	50.0000	50.49	
77 Fluoranthene	202		12.953	12.953	(1.109)	1272631	50.0000	50.48	
78 Benzidine	184		13.112	13.112	(1.122)	283983	50.0000	48.99	

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS	
						CAL-AMT (ug/ml)	ON-COL (ug/ml)
79 Pyrene	202	13.183	13.183	(1.128)	1350276	50.0000	51.15
\$ 80 p-Terphenyl-d14 (S)	244	13.347	13.353	(1.142)	859433	50.0000	50.72
81 Butylbenzylphthalate	149	13.882	13.888	(0.957)	549699	50.0000	50.03
82 Benzo(a)anthracene	228	14.477	14.482	(0.998)	1347244	50.0000	50.68
83 3,3'-Dichlorobenzidine	252	14.482	14.482	(0.999)	422273	50.0000	47.32
* 84 Chrysene-d12 (IS)	240	14.500	14.506	(1.000)	1039954	40.0000	
85 Chrysene	228	14.530	14.535	(1.002)	1231116	50.0000	49.29
86 bis(2-Ethylhexyl)phthalate	149	14.565	14.571	(1.004)	795055	50.0000	50.02
87 Di-n-octylphthalate	149	15.288	15.294	(0.949)	1360906	50.0000	50.74
88 Benzo(b)fluoranthene	252	15.729	15.735	(0.976)	1515988	50.0000	52.05
89 Benzo(k)fluoranthene	252	15.753	15.759	(0.978)	1453468	50.0000	47.90
90 Benzo(a)pyrene	252	16.059	16.065	(0.997)	1294823	50.0000	49.14
* 91 Perylene-d12 (IS)	264	16.112	16.118	(1.000)	962680	40.0000	
92 Indeno(1,2,3-cd)pyrene	276	17.153	17.165	(1.065)	1704883	50.0000	49.62
93 Dibenz(a,h)anthracene	278	17.159	17.171	(1.065)	1372280	50.0000	49.70
94 Benzo(g,h,i)perylene	276	17.441	17.459	(1.083)	1406312	50.0000	48.57

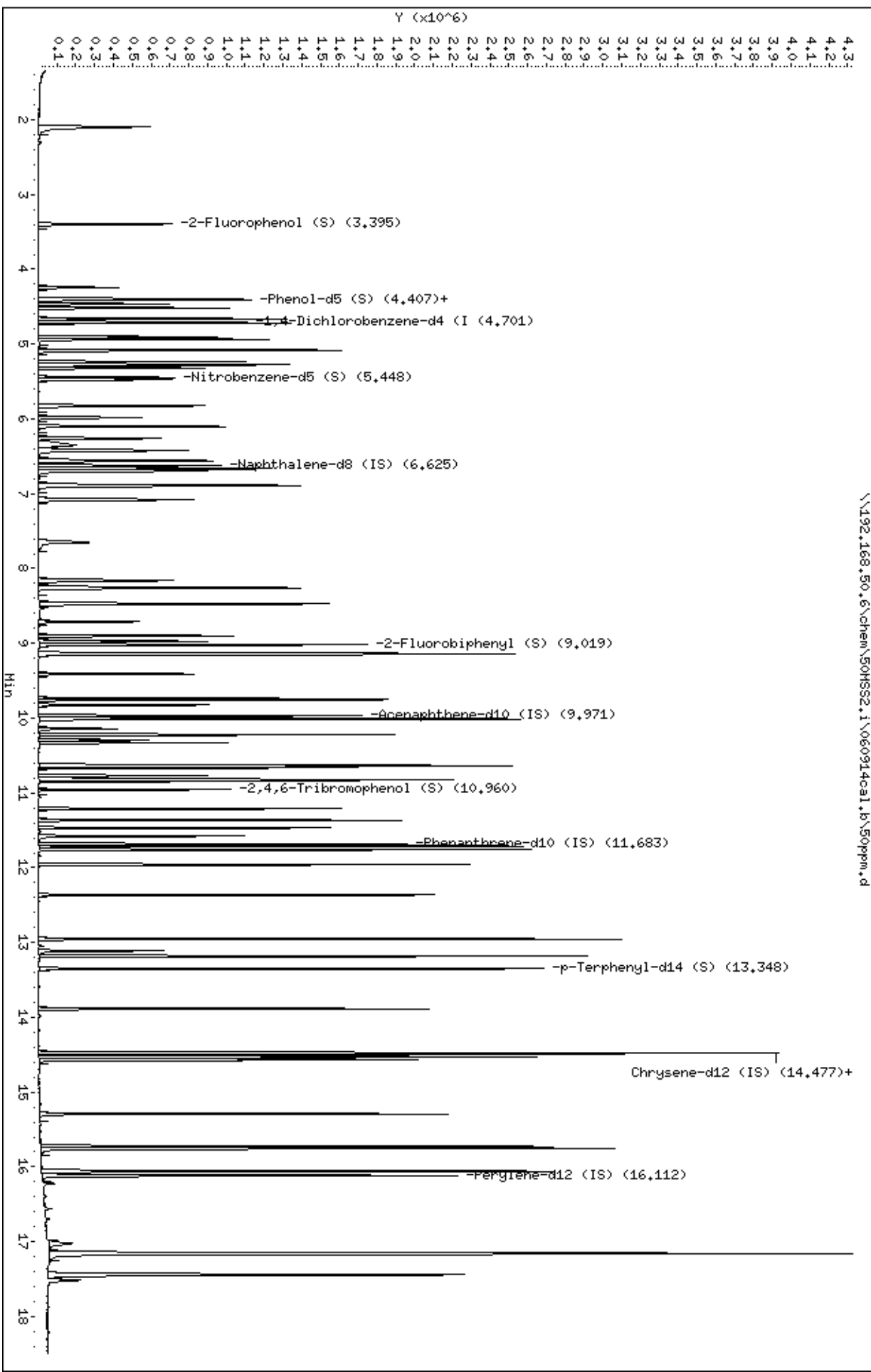
QC Flag Legend

H - Operator selected an alternate compound hit.

Data File: \\192.168.50.6\chem\50HSS2.1\060914cal.1.b\50ppm.d
 Date: 09-JUN-2014 14:26
 Client ID: DFTPP
 Sample Info: CAL5,70288;1
 Volume Injected (uL): 1.0
 Column phase: 50um DB-5ms

Instrument: 50HSS2.1
 Operator: CEH
 Column diameter: 0.25

\\192.168.50.6\chem\50HSS2.1\060914cal.1.b\50ppm.d



Pace Analytical Services, Inc.

Semivolatile REPORT SW-846 Method 8270/EPA 625

Data file : \\192.168.50.6\chem\50MSS2.i\060914cal.b\100ppm.d
 Lab Smp Id: CAL6,70289:1 Client Smp ID: DFTPP
 Inj Date : 09-JUN-2014 14:49
 Operator : CEM Inst ID: 50MSS2.i
 Smp Info : cal6,70289:1
 Misc Info : 15468
 Comment :
 Method : \\192.168.50.6\chem\50MSS2.i\060914cal.b\8270c.m
 Meth Date : 07-Jul-2014 15:09 cmanuputy Quant Type: ISTD
 Cal Date : 09-JUN-2014 14:49 Cal File: 100ppm.d
 Als bottle: 7 Calibration Sample, Level: 6
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: all.sub
 Target Version: 4.14

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vt	1000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)
Cpnd Variable		Local Compound Variable

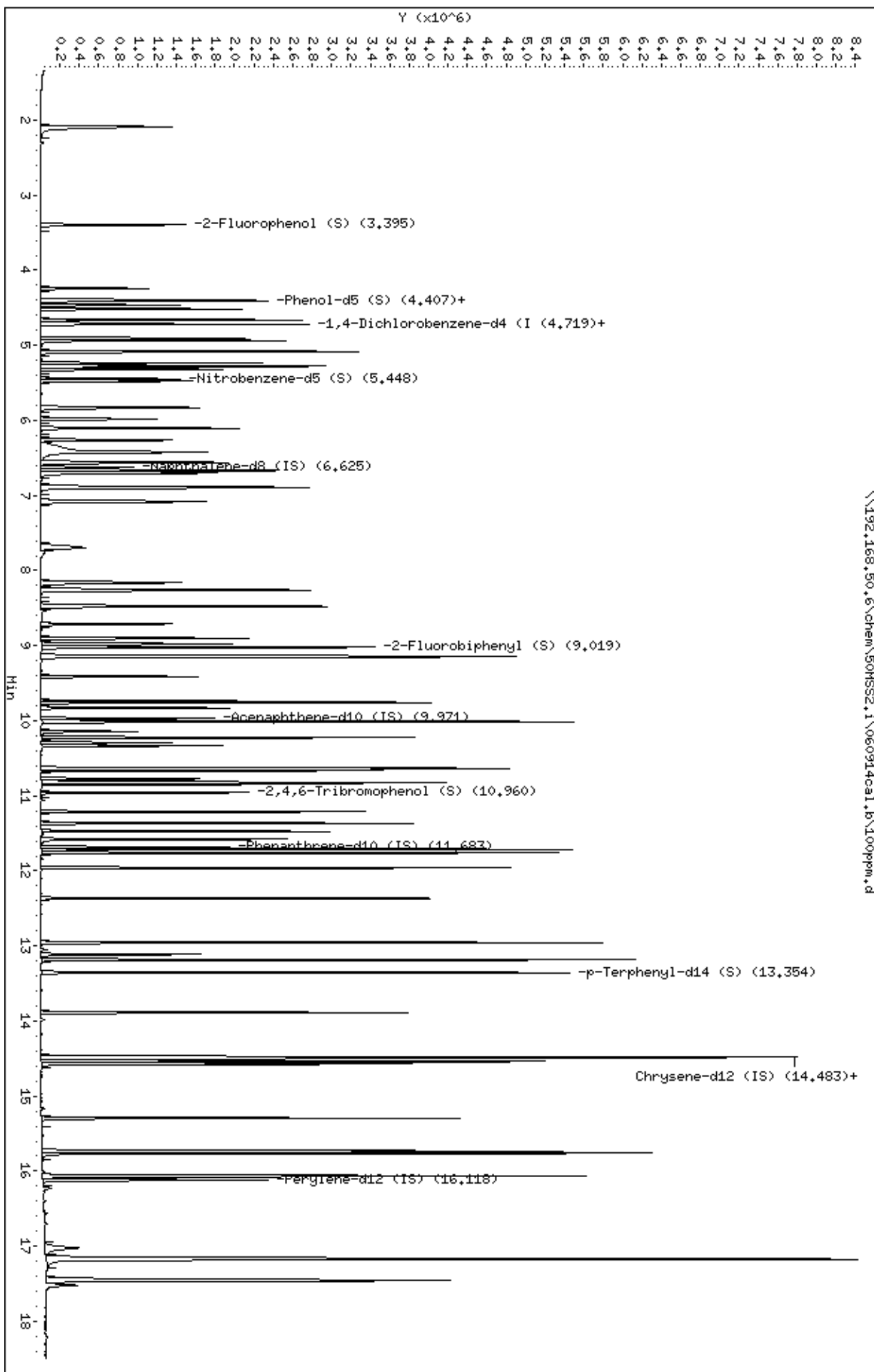
Compounds	QUANT	SIG	MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS	
								CAL-AMT	ON-COL
								(ug/ml)	(ug/ml)
1 N-Nitrosodimethylamine	42			2.083	2.083	(0.443)	227167	100.000	99.56 (H)
2 Pyridine	79			2.089	2.089	(0.444)	613247	100.000	103.5
\$ 3 2-Fluorophenol (S)	112			3.395	3.395	(0.722)	557480	100.000	100.8
5 Benzaldehyde	77			4.242	4.242	(0.902)	231219	100.000	95.50
\$ 6 Phenol-d5 (S)	99			4.395	4.395	(0.935)	708641	100.000	101.5
7 Phenol	94			4.407	4.407	(0.937)	740466	100.000	100.7
8 bis(2-Chloroethyl)ether	93			4.465	4.465	(0.950)	532398	100.000	99.95
9 2-Chlorophenol	128			4.513	4.513	(0.960)	666604	100.000	101.6
10 1,3-Dichlorobenzene	146			4.660	4.660	(0.991)	729779	100.000	99.10
* 11 1,4-Dichlorobenzene-d4 (IS)	152			4.701	4.701	(1.000)	194416	40.0000	
12 1,4-Dichlorobenzene	146			4.718	4.718	(1.004)	735876	100.000	100.2
13 Benzyl Alcohol	108			4.907	4.907	(1.044)	418018	100.000	105.5
14 1,2-Dichlorobenzene	146			4.936	4.936	(1.050)	715261	100.000	100.9
15 2-Methylphenol	108			5.083	5.083	(1.081)	545315	100.000	99.92
16 bis(2chlorolmethylethyl) ether	45			5.089	5.089	(1.083)	649930	100.000	97.81
17 2,2'-Oxybis(1-chloropropane)	45			5.089	5.089	(1.083)	649930	100.000	97.81
18 bis(2-Chloroisopropyl)ether	45			5.089	5.089	(1.083)	649930	100.000	97.81
19 Acetophenone	105			5.236	5.236	(1.114)	852992	100.000	100.1
20 3&4-Methylphenol	108			5.283	5.283	(1.124)	593797	100.000	100.9
21 N-Nitroso-di-n-propylamine	70			5.277	5.277	(1.123)	388095	100.000	99.78
22 Hexachloroethane	117			5.318	5.318	(1.131)	262779	100.000	100.8

Compounds	QUANT	SIG						AMOUNTS	
			MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/ml)	ON-COL (ug/ml)
§ 23 Nitrobenzene-d5 (S)	82		5.448	5.448	(0.822)	601851	100.000	103.0	
24 Nitrobenzene	77		5.477	5.477	(0.827)	598669	100.000	102.3	
25 Isophorone	82		5.830	5.830	(0.880)	1126743	100.000	101.2	
26 2-Nitrophenol	139		5.983	5.983	(0.903)	377853	100.000	106.6	
27 2,4-Dimethylphenol	122		6.101	6.101	(0.921)	572679	100.000	102.0	
28 Benzoic Acid	122		6.395	6.395	(0.965)	400037	100.000	125.4	
29 bis(2-Chloroethoxy)methane	93		6.259	6.259	(0.945)	699926	100.000	101.8	
30 2,4-Dichlorophenol	162		6.418	6.418	(0.969)	595304	100.000	103.3	
31 1,2,4-Trichlorobenzene	180		6.559	6.559	(0.990)	639306	100.000	101.5	
* 32 Naphthalene-d8 (IS)	136		6.624	6.624	(1.000)	763219	40.0000		
33 Naphthalene	128		6.665	6.665	(1.006)	1985455	100.000	100.9	
34 2,6-Dichlorophenol	162		6.889	6.889	(1.040)	574640	100.000	102.4	
35 4-Chloroaniline	127		6.895	6.895	(1.041)	815787	100.000	105.8	
36 Hexachlorobutadiene	225		7.077	7.077	(1.068)	388581	100.000	101.4	
37 Caprolactam	113		7.701	7.701	(1.162)	166056	100.000	101.9	
38 4-Chloro-3-methylphenol	107		8.159	8.159	(1.232)	549674	100.000	103.4	
39 2-Methylnaphthalene	142		8.259	8.259	(1.247)	1358092	100.000	100.4	
41 1-Methylnaphthalene	142		8.477	8.477	(1.280)	1339572	100.000	100.8	
43 Hexachlorocyclopentadiene	237		8.712	8.712	(0.874)	313485	100.000	96.59	
44 2,4,6-Trichlorophenol	196		8.906	8.906	(0.893)	452465	100.000	103.5	
45 2,4,5-Trichlorophenol	196		8.977	8.977	(0.900)	479851	100.000	103.3	
§ 46 2-Fluorobiphenyl (S)	172		9.018	9.018	(0.904)	1496466	100.000	100.5	
47 2-Chloronaphthalene	162		9.136	9.136	(0.916)	1222840	100.000	99.59	
48 Biphenyl (Diphenyl)	154		9.147	9.147	(0.917)	1643541	100.000	99.91	
49 2-Nitroaniline	65		9.412	9.412	(0.944)	317903	100.000	106.1	
50 Dimethylphthalate	163		9.742	9.742	(0.977)	1424326	100.000	99.56	
51 Acenaphthylene	152		9.759	9.759	(0.979)	2111334	100.000	100.2	
52 2,6-Dinitrotoluene	165		9.830	9.830	(0.986)	330888	100.000	106.8	
* 53 Acenaphthene-d10 (IS)	164		9.971	9.971	(1.000)	441264	40.0000		
54 3-Nitroaniline	138		10.006	10.006	(1.004)	363100	100.000	107.5	
55 Acenaphthene	153		10.012	10.012	(1.004)	1305520	100.000	99.70	
56 2,4-Dinitrophenol	184		10.147	10.147	(1.018)	196338	100.000	97.51	
57 Dibenzofuran	168		10.224	10.224	(1.025)	1852256	100.000	100.4	
58 4-Nitrophenol	109		10.294	10.294	(1.032)	179592	100.000	107.2	
59 2,4-Dinitrotoluene	165		10.336	10.336	(1.037)	455003	100.000	106.1	
60 Diethylphthalate	149		10.630	10.630	(1.066)	1393498	100.000	99.92	
61 Fluorene	166		10.647	10.647	(1.068)	1483436	100.000	100.9	
62 4-Chlorophenyl-phenylether	204		10.665	10.665	(1.070)	730943	100.000	100.9	
63 4-Nitroaniline	138		10.777	10.777	(1.081)	382500	100.000	108.1	
64 4,6-Dinitro-2-methylphenol	198		10.812	10.812	(0.925)	281782	100.000	101.6 (QM)	
65 N-Nitrosodiphenylamine	169		10.830	10.830	(0.927)	1064694	100.000	99.24	
66 1,2-Diphenylhydrazine	77		10.847	10.847	(0.928)	1374739	100.000	100.1	
§ 67 2,4,6-Tribromophenol (S)	330		10.959	10.959	(0.938)	326904	100.000	104.9	
68 4-Bromophenyl-phenylether	248		11.212	11.212	(0.960)	502949	100.000	101.4	
69 Hexachlorobenzene	284		11.365	11.365	(0.973)	595811	100.000	100.6	
70 Atrazine	200		11.471	11.471	(0.982)	408634	100.000	102.2	
71 Pentachlorophenol	266		11.577	11.577	(0.991)	346444	100.000	99.25	
* 72 Phenanthrene-d10 (IS)	188		11.683	11.683	(1.000)	840506	40.0000		
73 Phenanthrene	178		11.712	11.712	(1.003)	2206482	100.000	97.84	
74 Anthracene	178		11.759	11.759	(1.007)	2254007	100.000	99.36	
75 Carbazole	167		11.959	11.959	(1.024)	2119211	100.000	99.12	
76 Di-n-butylphthalate	149		12.371	12.371	(1.059)	2417180	100.000	100.5	
77 Fluoranthene	202		12.953	12.953	(1.109)	2555316	100.000	99.51	
78 Benzidine	184		13.112	13.112	(1.122)	666503	100.000	112.9	

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS	
						CAL-AMT (ug/ml)	ON-COL (ug/ml)
79 Pyrene	202	13.183	13.183	(1.128)	2643961	100.000	98.32
\$ 80 p-Terphenyl-d14 (S)	244	13.353	13.353	(1.143)	1737130	100.000	100.6
81 Butylbenzylphthalate	149	13.888	13.888	(0.957)	1124036	100.000	102.2
82 Benzo(a)anthracene	228	14.482	14.482	(0.998)	2682753	100.000	100.8
83 3,3'-Dichlorobenzidine	252	14.482	14.482	(0.998)	873914	100.000	97.81
* 84 Chrysene-d12 (IS)	240	14.506	14.506	(1.000)	1041314	40.0000	
85 Chrysene	228	14.535	14.535	(1.002)	2486794	100.000	99.43
86 bis(2-Ethylhexyl)phthalate	149	14.571	14.571	(1.004)	1622029	100.000	101.9
87 Di-n-octylphthalate	149	15.294	15.294	(0.949)	2763710	100.000	103.2
88 Benzo(b)fluoranthene	252	15.735	15.735	(0.976)	3030173	100.000	104.2
89 Benzo(k)fluoranthene	252	15.759	15.759	(0.978)	2972718	100.000	98.10
90 Benzo(a)pyrene	252	16.065	16.065	(0.997)	2678911	100.000	101.8
* 91 Perylene-d12 (IS)	264	16.118	16.118	(1.000)	961491	40.0000	
92 Indeno(1,2,3-cd)pyrene	276	17.165	17.165	(1.065)	3529921	100.000	102.8
93 Dibenz(a,h)anthracene	278	17.171	17.171	(1.065)	2853782	100.000	103.5
94 Benzo(g,h,i)perylene	276	17.459	17.459	(1.083)	2923367	100.000	101.1

QC Flag Legend

- Q - Qualifier signal failed the ratio test.
- M - Compound response manually integrated.
- H - Operator selected an alternate compound hit.



Pace Analytical Services, Inc.

Semivolatile REPORT SW-846 Method 8270/EPA 625

Data file : \\192.168.50.6\chem\50MSS2.i\060914cal.b\150ppm.d
 Lab Smp Id: CAL7,70290:1 Client Smp ID: DFTPP
 Inj Date : 09-JUN-2014 15:11
 Operator : CEM Inst ID: 50MSS2.i
 Smp Info : cal7,70290:1
 Misc Info : 15468
 Comment :
 Method : \\192.168.50.6\chem\50MSS2.i\060914cal.b\8270c.m
 Meth Date : 07-Jul-2014 15:09 cmanuputy Quant Type: ISTD
 Cal Date : 09-JUN-2014 15:11 Cal File: 150ppm.d
 Als bottle: 8 Calibration Sample, Level: 7
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: all.sub
 Target Version: 4.14

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vt	1000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT	SIG	AMOUNTS				CAL-AMT (ug/ml)	ON-COL (ug/ml)
			MASS	RT	EXP RT	REL RT		
1 N-Nitrosodimethylamine	42		2.083	2.083	(0.443)	332678	150.000	146.6
2 Pyridine	79		2.083	2.089	(0.443)	896182	150.000	152.1
\$ 3 2-Fluorophenol (S)	112		3.395	3.395	(0.722)	817828	150.000	148.7
5 Benzaldehyde	77		4.242	4.242	(0.902)	367357	150.000	148.6
\$ 6 Phenol-d5 (S)	99		4.395	4.395	(0.935)	1020559	150.000	147.0
7 Phenol	94		4.413	4.407	(0.939)	1067620	150.000	146.0
8 bis(2-Chloroethyl)ether	93		4.466	4.465	(0.950)	775346	150.000	146.4
9 2-Chlorophenol	128		4.519	4.513	(0.961)	960398	150.000	147.3
10 1,3-Dichlorobenzene	146		4.660	4.660	(0.991)	1068952	150.000	146.0
* 11 1,4-Dichlorobenzene-d4 (IS)	152		4.701	4.701	(1.000)	193286	40.0000	
12 1,4-Dichlorobenzene	146		4.719	4.718	(1.004)	1064115	150.000	145.7
13 Benzyl Alcohol	108		4.913	4.907	(1.045)	614825	150.000	156.1
14 1,2-Dichlorobenzene	146		4.936	4.936	(1.050)	1027464	150.000	145.8
15 2-Methylphenol	108		5.083	5.083	(1.081)	778826	150.000	143.5
16 bis(2chlorolmethylethyl) ether	45		5.089	5.089	(1.083)	896960	150.000	135.8
17 2,2'-Oxybis(1-chloropropane)	45		5.089	5.089	(1.083)	896960	150.000	135.8
18 bis(2-Chloroisopropyl)ether	45		5.089	5.089	(1.083)	896960	150.000	135.8
19 Acetophenone	105		5.242	5.236	(1.115)	1254533	150.000	148.1
20 3&4-Methylphenol	108		5.283	5.283	(1.124)	852146	150.000	145.6
21 N-Nitroso-di-n-propylamine	70		5.283	5.277	(1.124)	558057	150.000	144.3
22 Hexachloroethane	117		5.319	5.318	(1.131)	386171	150.000	149.1

Compounds	QUANT	SIG						AMOUNTS	
			MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/ml)	ON-COL (ug/ml)
§ 23 Nitrobenzene-d5 (S)	82		5.454	5.448	(0.823)	882353	150.000	151.0	
24 Nitrobenzene	77		5.477	5.477	(0.826)	873452	150.000	149.3	
25 Isophorone	82		5.836	5.830	(0.880)	1645265	150.000	147.8	
26 2-Nitrophenol	139		5.983	5.983	(0.902)	560308	150.000	158.0	
27 2,4-Dimethylphenol	122		6.107	6.101	(0.921)	838675	150.000	149.3	
28 Benzoic Acid	122		6.424	6.395	(0.969)	467721	150.000	146.6	
29 bis(2-Chloroethoxy)methane	93		6.266	6.259	(0.945)	1011792	150.000	147.2	
30 2,4-Dichlorophenol	162		6.424	6.418	(0.969)	878051	150.000	152.4	
31 1,2,4-Trichlorobenzene	180		6.560	6.559	(0.989)	931926	150.000	148.0	
* 32 Naphthalene-d8 (IS)	136		6.630	6.624	(1.000)	763098	40.0000		
33 Naphthalene	128		6.671	6.665	(1.006)	2860052	150.000	145.4	
34 2,6-Dichlorophenol	162		6.895	6.889	(1.040)	834969	150.000	148.9	
35 4-Chloroaniline	127		6.901	6.895	(1.041)	1157895	150.000	150.3	
36 Hexachlorobutadiene	225		7.083	7.077	(1.068)	575688	150.000	150.2	
37 Caprolactam	113		7.742	7.701	(1.168)	240588	150.000	147.6	
38 4-Chloro-3-methylphenol	107		8.165	8.159	(1.232)	802693	150.000	151.1	
39 2-Methylnaphthalene	142		8.265	8.259	(1.247)	1964087	150.000	145.3	
41 1-Methylnaphthalene	142		8.477	8.477	(1.279)	1924021	150.000	144.7	
43 Hexachlorocyclopentadiene	237		8.718	8.712	(0.874)	515607	150.000	152.8	
44 2,4,6-Trichlorophenol	196		8.907	8.906	(0.893)	668916	150.000	154.3	
45 2,4,5-Trichlorophenol	196		8.983	8.977	(0.901)	708823	150.000	153.9	
§ 46 2-Fluorobiphenyl (S)	172		9.024	9.018	(0.905)	2171206	150.000	147.1	
47 2-Chloronaphthalene	162		9.142	9.136	(0.917)	1749200	150.000	143.6	
48 Biphenyl (Diphenyl)	154		9.154	9.147	(0.918)	2308030	150.000	141.5	
49 2-Nitroaniline	65		9.418	9.412	(0.945)	463648	150.000	156.0	
50 Dimethylphthalate	163		9.742	9.742	(0.977)	2083457	150.000	146.8	
51 Acenaphthylene	152		9.759	9.759	(0.979)	3021683	150.000	144.7	
52 2,6-Dinitrotoluene	165		9.836	9.830	(0.986)	487617	150.000	158.8	
* 53 Acenaphthene-d10 (IS)	164		9.971	9.971	(1.000)	437601	40.0000		
54 3-Nitroaniline	138		10.012	10.006	(1.004)	525081	150.000	156.7	
55 Acenaphthene	153		10.018	10.012	(1.005)	1818714	150.000	140.0	
56 2,4-Dinitrophenol	184		10.148	10.147	(1.018)	314680	150.000	152.3	
57 Dibenzofuran	168		10.224	10.224	(1.025)	2670170	150.000	145.9	
58 4-Nitrophenol	109		10.301	10.294	(1.033)	264776	150.000	159.3	
59 2,4-Dinitrotoluene	165		10.336	10.336	(1.037)	675555	150.000	158.8	
60 Diethylphthalate	149		10.636	10.630	(1.067)	1966417	150.000	142.2	
61 Fluorene	166		10.648	10.647	(1.068)	2044479	150.000	140.3	
62 4-Chlorophenyl-phenylether	204		10.665	10.665	(1.070)	1067320	150.000	148.6	
63 4-Nitroaniline	138		10.783	10.777	(1.081)	562447	150.000	160.3	
64 4,6-Dinitro-2-methylphenol	198		10.818	10.812	(0.926)	424474	150.000	154.5 (Q)	
65 N-Nitrosodiphenylamine	169		10.830	10.830	(0.927)	1519110	150.000	144.7	
66 1,2-Diphenylhydrazine	77		10.848	10.847	(0.928)	1961974	150.000	146.0	
§ 67 2,4,6-Tribromophenol (S)	330		10.965	10.959	(0.938)	496424	150.000	162.8	
68 4-Bromophenyl-phenylether	248		11.212	11.212	(0.959)	743644	150.000	153.2	
69 Hexachlorobenzene	284		11.371	11.365	(0.973)	890324	150.000	153.6	
70 Atrazine	200		11.477	11.471	(0.982)	583319	150.000	149.1	
71 Pentachlorophenol	266		11.583	11.577	(0.991)	536904	150.000	154.7	
* 72 Phenanthrene-d10 (IS)	188		11.689	11.683	(1.000)	822608	40.0000		
73 Phenanthrene	178		11.718	11.712	(1.002)	3152198	150.000	142.8	
74 Anthracene	178		11.765	11.759	(1.007)	3180381	150.000	143.2	
75 Carbazole	167		11.959	11.959	(1.023)	3047070	150.000	145.6	
76 Di-n-butylphthalate	149		12.371	12.371	(1.058)	3399130	150.000	144.4	
77 Fluoranthene	202		12.959	12.953	(1.109)	3602584	150.000	143.4	
78 Benzidine	184		13.118	13.112	(1.122)	1009670	150.000	174.7	

Compounds	QUANT SIG		AMOUNTS				
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/ml)	ON-COL (ug/ml)
79 Pyrene	202	13.189	13.183	(1.128)	3714712	150.000	141.1
\$ 80 p-Terphenyl-d14 (S)	244	13.359	13.353	(1.143)	2477848	150.000	146.7
81 Butylbenzylphthalate	149	13.889	13.888	(0.957)	1605903	150.000	149.1
82 Benzo(a)anthracene	228	14.488	14.482	(0.998)	3757222	150.000	144.2
83 3,3'-Dichlorobenzidine	252	14.494	14.482	(0.999)	1246642	150.000	142.5
* 84 Chrysene-d12 (IS)	240	14.512	14.506	(1.000)	1019451	40.0000	
85 Chrysene	228	14.547	14.535	(1.002)	3549081	150.000	144.9
86 bis(2-Ethylhexyl)phthalate	149	14.571	14.571	(1.004)	2337716	150.000	150.0
87 Di-n-octylphthalate	149	15.300	15.294	(0.949)	3969817	150.000	150.5
88 Benzo(b)fluoranthene	252	15.741	15.735	(0.976)	4230359	150.000	147.7
89 Benzo(k)fluoranthene	252	15.771	15.759	(0.978)	4371565	150.000	146.6
90 Benzo(a)pyrene	252	16.071	16.065	(0.997)	3890694	150.000	150.2
* 91 Perylene-d12 (IS)	264	16.124	16.118	(1.000)	946481	40.0000	
92 Indeno(1,2,3-cd)pyrene	276	17.177	17.165	(1.065)	5112096	150.000	151.3
93 Dibenz(a,h)anthracene	278	17.182	17.171	(1.066)	4066062	150.000	149.8(H)
94 Benzo(g,h,i)perylene	276	17.465	17.459	(1.083)	4302261	150.000	151.1

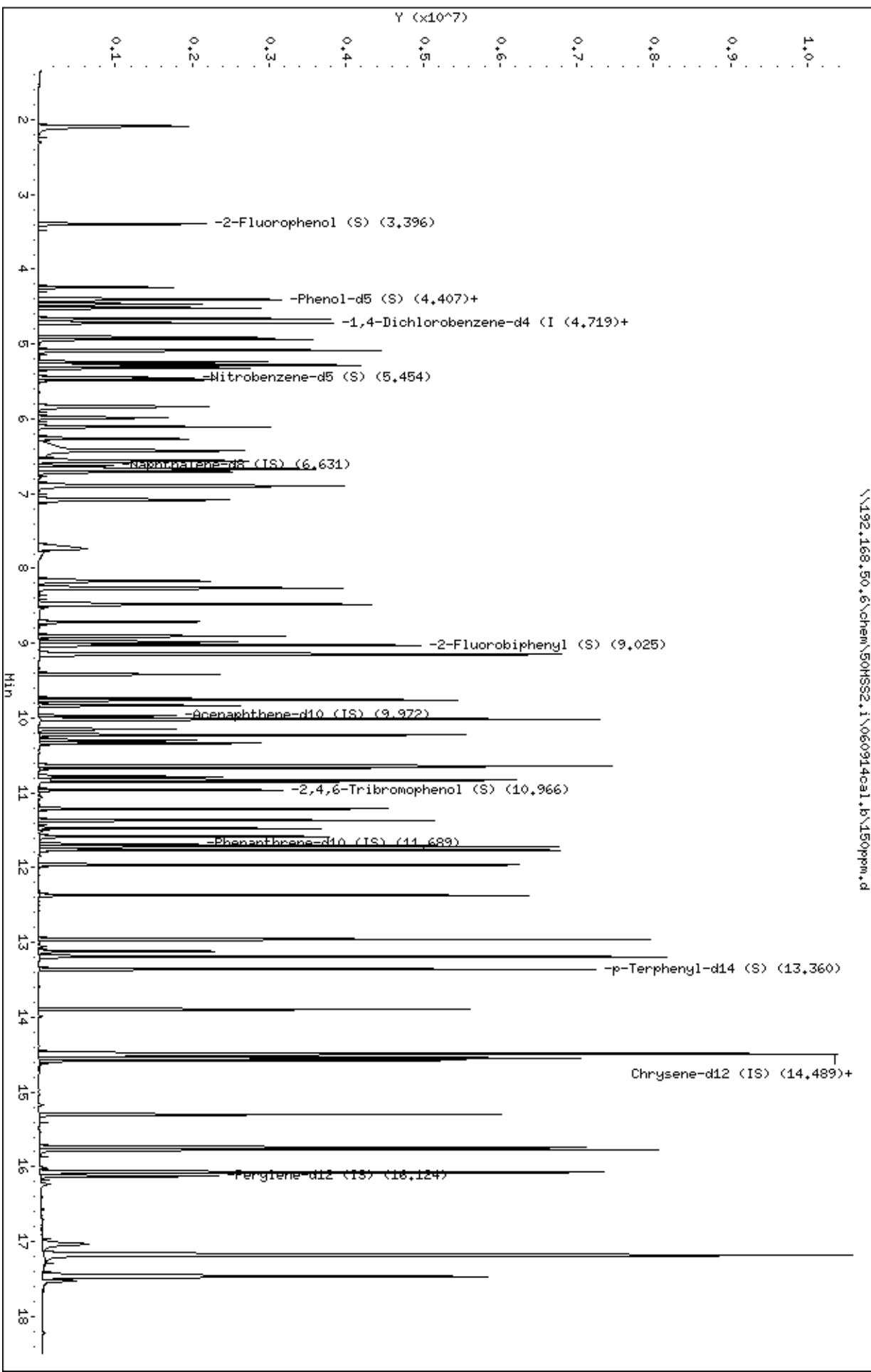
QC Flag Legend

- Q - Qualifier signal failed the ratio test.
- H - Operator selected an alternate compound hit.

Data File: \\192.168.50.6\chem\50HSS2.1\060914ca1.b\150ppm.d
 Date: 09-JUN-2014 15:11
 Client ID: DFTPP
 Sample Info: CAL7.70290:1
 Volume Injected (uL): 1.0
 Column phase: 50um DB-5ms

Instrument: 50HSS2.1
 Operator: CEH
 Column diameter: 0.25

\\192.168.50.6\chem\50HSS2.1\060914ca1.b\150ppm.d



Pace Analytical Services, Inc.

Semivolatile REPORT SW-846 Method 8270/EPA 625

Data file : \\192.168.50.6\chem\50MSS2.i\060914cal.b\175ppm.d
 Lab Smp Id: CAL8,70291:1 Client Smp ID: DFTPP
 Inj Date : 09-JUN-2014 15:34
 Operator : CEM Inst ID: 50MSS2.i
 Smp Info : cal8,70291:1
 Misc Info : 15468
 Comment :
 Method : \\192.168.50.6\chem\50MSS2.i\060914cal.b\8270c.m
 Meth Date : 07-Jul-2014 15:09 cmanuputy Quant Type: ISTD
 Cal Date : 09-JUN-2014 15:34 Cal File: 175ppm.d
 Als bottle: 9 Calibration Sample, Level: 8
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: all.sub
 Target Version: 4.14

Concentration Formula: Amt * DF * Uf * Vt / (Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vt	1000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT	SIG	AMOUNTS				CAL-AMT (ug/ml)	ON-COL (ug/ml)
			MASS	RT	EXP RT	REL RT		
1 N-Nitrosodimethylamine	42		2.089	2.083	(0.444)	388815	175.000	171.0
2 Pyridine	79		2.095	2.089	(0.446)	1042433	175.000	176.6
\$ 3 2-Fluorophenol (S)	112		3.395	3.395	(0.722)	938583	175.000	170.3
5 Benzaldehyde	77		4.242	4.242	(0.902)	420170	175.000	168.6
\$ 6 Phenol-d5 (S)	99		4.401	4.395	(0.936)	1177814	175.000	169.3
7 Phenol	94		4.413	4.407	(0.939)	1231197	175.000	168.0
8 bis(2-Chloroethyl)ether	93		4.465	4.465	(0.950)	903156	175.000	170.2
9 2-Chlorophenol	128		4.518	4.513	(0.961)	1115165	175.000	170.6
10 1,3-Dichlorobenzene	146		4.660	4.660	(0.991)	1231809	175.000	167.9
* 11 1,4-Dichlorobenzene-d4 (IS)	152		4.701	4.701	(1.000)	193704	40.0000	
12 1,4-Dichlorobenzene	146		4.724	4.718	(1.005)	1235531	175.000	168.8
13 Benzyl Alcohol	108		4.913	4.907	(1.045)	715914	175.000	181.4
14 1,2-Dichlorobenzene	146		4.936	4.936	(1.050)	1192135	175.000	168.8
15 2-Methylphenol	108		5.089	5.083	(1.083)	903015	175.000	166.1
16 bis(2chlorolmethylethyl) ether	45		5.089	5.089	(1.083)	1015454	175.000	153.4
17 2,2'-Oxybis(1-chloropropane)	45		5.089	5.089	(1.083)	1015454	175.000	153.4
18 bis(2-Chloroisopropyl)ether	45		5.089	5.089	(1.083)	1015454	175.000	153.4
19 Acetophenone	105		5.242	5.236	(1.115)	1456282	175.000	171.6
20 3&4-Methylphenol	108		5.289	5.283	(1.125)	981480	175.000	167.4
21 N-Nitroso-di-n-propylamine	70		5.283	5.277	(1.124)	645408	175.000	166.6
22 Hexachloroethane	117		5.318	5.318	(1.131)	446488	175.000	172.0

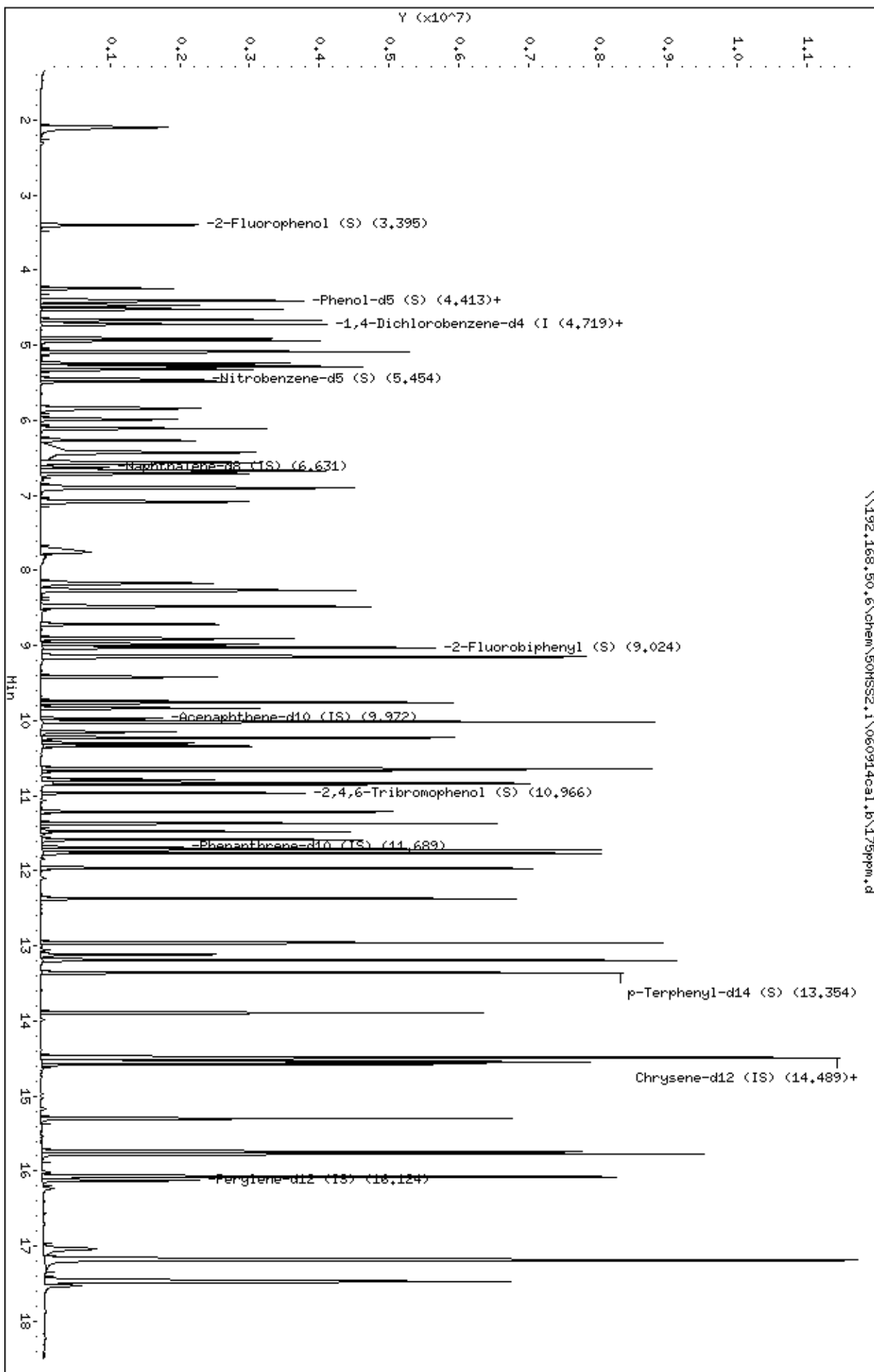
Compounds	QUANT	SIG						AMOUNTS	
			MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/ml)	ON-COL (ug/ml)
§ 23 Nitrobenzene-d5 (S)	82		5.454	5.448	(0.823)	1036218	175.000	177.8	
24 Nitrobenzene	77		5.483	5.477	(0.827)	1024356	175.000	175.5	
25 Isophorone	82		5.836	5.830	(0.880)	1929495	175.000	173.8	
26 2-Nitrophenol	139		5.989	5.983	(0.903)	651239	175.000	184.1	
27 2,4-Dimethylphenol	122		6.107	6.101	(0.921)	964326	175.000	172.1	
28 Benzoic Acid	122		6.442	6.395	(0.972)	542914	175.000	170.6	
29 bis(2-Chloroethoxy)methane	93		6.265	6.259	(0.945)	1181941	175.000	172.4	
30 2,4-Dichlorophenol	162		6.424	6.418	(0.969)	1022310	175.000	177.8	
31 1,2,4-Trichlorobenzene	180		6.565	6.559	(0.990)	1097768	175.000	174.8	
* 32 Naphthalene-d8 (IS)	136		6.630	6.624	(1.000)	761343	40.0000		
33 Naphthalene	128		6.671	6.665	(1.006)	3327001	175.000	169.5	
34 2,6-Dichlorophenol	162		6.895	6.889	(1.040)	974002	175.000	174.0	
35 4-Chloroaniline	127		6.901	6.895	(1.041)	1319616	175.000	171.6	
36 Hexachlorobutadiene	225		7.083	7.077	(1.068)	677575	175.000	177.2	
37 Caprolactam	113		7.759	7.701	(1.170)	279542	175.000	171.9	
38 4-Chloro-3-methylphenol	107		8.165	8.159	(1.232)	935609	175.000	176.5	
39 2-Methylnaphthalene	142		8.265	8.259	(1.247)	2287756	175.000	169.6	
41 1-Methylnaphthalene	142		8.477	8.477	(1.279)	2209025	175.000	166.6	
43 Hexachlorocyclopentadiene	237		8.718	8.712	(0.874)	624618	175.000	183.8	
44 2,4,6-Trichlorophenol	196		8.906	8.906	(0.893)	781574	175.000	181.3	
45 2,4,5-Trichlorophenol	196		8.983	8.977	(0.901)	833684	175.000	182.0	
§ 46 2-Fluorobiphenyl (S)	172		9.024	9.018	(0.905)	2519216	175.000	171.6	
47 2-Chloronaphthalene	162		9.142	9.136	(0.917)	2024521	175.000	167.2	
48 Biphenyl (Diphenyl)	154		9.153	9.147	(0.918)	2673961	175.000	164.8	
49 2-Nitroaniline	65		9.418	9.412	(0.945)	537955	175.000	182.0	
50 Dimethylphthalate	163		9.742	9.742	(0.977)	2366552	175.000	167.7	
51 Acenaphthylene	152		9.765	9.759	(0.979)	3458817	175.000	166.6	
52 2,6-Dinitrotoluene	165		9.836	9.830	(0.986)	573917	175.000	187.9	
* 53 Acenaphthene-d10 (IS)	164		9.971	9.971	(1.000)	435134	40.0000		
54 3-Nitroaniline	138		10.012	10.006	(1.004)	596182	175.000	178.9	
55 Acenaphthene	153		10.018	10.012	(1.005)	2084171	175.000	161.4	
56 2,4-Dinitrophenol	184		10.153	10.147	(1.018)	379816	175.000	183.0	
57 Dibenzofuran	168		10.224	10.224	(1.025)	3052728	175.000	167.8	
58 4-Nitrophenol	109		10.300	10.294	(1.033)	316265	175.000	191.4	
59 2,4-Dinitrotoluene	165		10.342	10.336	(1.037)	796233	175.000	188.3	
60 Diethylphthalate	149		10.636	10.630	(1.067)	2247134	175.000	163.4	
61 Fluorene	166		10.647	10.647	(1.068)	2307441	175.000	159.2	
62 4-Chlorophenyl-phenylether	204		10.671	10.665	(1.070)	1223039	175.000	171.2	
63 4-Nitroaniline	138		10.789	10.777	(1.082)	654976	175.000	187.7	
64 4,6-Dinitro-2-methylphenol	198		10.824	10.812	(0.926)	505728	175.000	184.3	
65 N-Nitrosodiphenylamine	169		10.836	10.830	(0.927)	1715942	175.000	164.2	
66 1,2-Diphenylhydrazine	77		10.847	10.847	(0.928)	2205688	175.000	164.9	
§ 67 2,4,6-Tribromophenol (S)	330		10.965	10.959	(0.938)	579860	175.000	191.1	
68 4-Bromophenyl-phenylether	248		11.218	11.212	(0.960)	875474	175.000	181.3	
69 Hexachlorobenzene	284		11.371	11.365	(0.973)	1041704	175.000	180.6	
70 Atrazine	200		11.477	11.471	(0.982)	671154	175.000	172.4	
71 Pentachlorophenol	266		11.583	11.577	(0.991)	632762	175.000	182.4	
* 72 Phenanthrene-d10 (IS)	188		11.689	11.683	(1.000)	818569	40.0000		
73 Phenanthrene	178		11.718	11.712	(1.002)	3559160	175.000	162.0	
74 Anthracene	178		11.765	11.759	(1.007)	3626380	175.000	164.1	
75 Carbazole	167		11.965	11.959	(1.024)	3419404	175.000	164.2	
76 Di-n-butylphthalate	149		12.371	12.371	(1.058)	3925811	175.000	167.6	
77 Fluoranthene	202		12.959	12.953	(1.109)	4097294	175.000	163.8	
78 Benzidine	184		13.118	13.112	(1.122)	1134143	175.000	197.2	

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS	
						CAL-AMT (ug/ml)	ON-COL (ug/ml)
79 Pyrene	202	13.188	13.183	(1.128)	4202755	175.000	160.5
\$ 80 p-Terphenyl-d14 (S)	244	13.353	13.353	(1.142)	2854744	175.000	169.8
81 Butylbenzylphthalate	149	13.888	13.888	(0.957)	1842217	175.000	172.2
82 Benzo(a)anthracene	228	14.488	14.482	(0.999)	4245667	175.000	164.1
83 3,3'-Dichlorobenzidine	252	14.488	14.482	(0.999)	1405141	175.000	161.8
* 84 Chrysene-d12 (IS)	240	14.506	14.506	(1.000)	1012262	40.0000	
85 Chrysene	228	14.547	14.535	(1.003)	4076317	175.000	167.7
86 bis(2-Ethylhexyl)phthalate	149	14.571	14.571	(1.004)	2677090	175.000	173.0
87 Di-n-octylphthalate	149	15.300	15.294	(0.949)	4510672	175.000	174.5
88 Benzo(b)fluoranthene	252	15.741	15.735	(0.976)	4733934	175.000	168.6
89 Benzo(k)fluoranthene	252	15.771	15.759	(0.978)	5134387	175.000	175.6
90 Benzo(a)pyrene	252	16.076	16.065	(0.997)	4442923	175.000	174.9
* 91 Perylene-d12 (IS)	264	16.124	16.118	(1.000)	927842	40.0000	
92 Indeno(1,2,3-cd)pyrene	276	17.176	17.165	(1.065)	5790815	175.000	174.8
93 Dibenz(a,h)anthracene	278	17.188	17.171	(1.066)	4581504	175.000	172.2
94 Benzo(g,h,i)perylene	276	17.471	17.459	(1.084)	4959489	175.000	177.7

Data File: \\192.168.50.6\chem\50HSS2.1\060914ca1.b\175ppm.d
Date: 09-JUN-2014 15:34
Client ID: DFTPP
Sample Info: CAL8,70291:1
Volume Injected (uL): 1.0
Column phase: 50um DB-5ms

Instrument: 50HSS2.1
Operator: CEH
Column diameter: 0.25

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Pace Analytical Services, Inc.

Semivolatile REPORT SW-846 Method 8270/EPA 625

Data file : \\192.168.50.6\chem\50MSS2.i\060914cal.b\200ppm.d
 Lab Smp Id: CAL9,70292:1 Client Smp ID: DFTPP
 Inj Date : 09-JUN-2014 15:56
 Operator : CEM Inst ID: 50MSS2.i
 Smp Info : cal9,70292:1
 Misc Info : 15468
 Comment :
 Method : \\192.168.50.6\chem\50MSS2.i\060914cal.b\8270c.m
 Meth Date : 07-Jul-2014 15:09 cmanuputy Quant Type: ISTD
 Cal Date : 09-JUN-2014 15:56 Cal File: 200ppm.d
 Als bottle: 10 Calibration Sample, Level: 9
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: all.sub
 Target Version: 4.14

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vt	1000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT	SIG	AMOUNTS					CAL-AMT (ug/ml)	ON-COL (ug/ml)
			MASS	RT	EXP RT	REL RT	RESPONSE		
1 N-Nitrosodimethylamine	42		2.089	2.083	(0.444)	436256	200.000	183.7	
2 Pyridine	79		2.089	2.089	(0.444)	1174877	200.000	190.5	
\$ 3 2-Fluorophenol (S)	112		3.395	3.395	(0.722)	1067318	200.000	185.5	
5 Benzaldehyde	77		4.242	4.242	(0.902)	552243	200.000	210.4	
\$ 6 Phenol-d5 (S)	99		4.401	4.395	(0.936)	1341642	200.000	184.6	
7 Phenol	94		4.413	4.407	(0.939)	1386612	200.000	181.2	
8 bis(2-Chloroethyl)ether	93		4.466	4.465	(0.950)	1021913	200.000	184.4	
9 2-Chlorophenol	128		4.518	4.513	(0.961)	1265035	200.000	185.3	
10 1,3-Dichlorobenzene	146		4.660	4.660	(0.991)	1394015	200.000	181.9	
* 11 1,4-Dichlorobenzene-d4 (IS)	152		4.701	4.701	(1.000)	202308	40.0000		
12 1,4-Dichlorobenzene	146		4.724	4.718	(1.005)	1396529	200.000	182.7	
13 Benzyl Alcohol	108		4.913	4.907	(1.045)	817074	200.000	198.2	
14 1,2-Dichlorobenzene	146		4.936	4.936	(1.050)	1361460	200.000	184.6	
15 2-Methylphenol	108		5.089	5.083	(1.083)	1027091	200.000	180.8	
16 bis(2chlorolmethylethyl) ether	45		5.089	5.089	(1.083)	1123178	200.000	162.4	
17 2,2'-Oxybis(1-chloropropane)	45		5.089	5.089	(1.083)	1123178	200.000	162.4	
18 bis(2-Chloroisopropyl)ether	45		5.089	5.089	(1.083)	1123178	200.000	162.4	
19 Acetophenone	105		5.242	5.236	(1.115)	1656220	200.000	186.8	
20 3&4-Methylphenol	108		5.289	5.283	(1.125)	1108797	200.000	181.0	
21 N-Nitroso-di-n-propylamine	70		5.289	5.277	(1.125)	723938	200.000	178.9	
22 Hexachloroethane	117		5.318	5.318	(1.131)	506255	200.000	186.7	

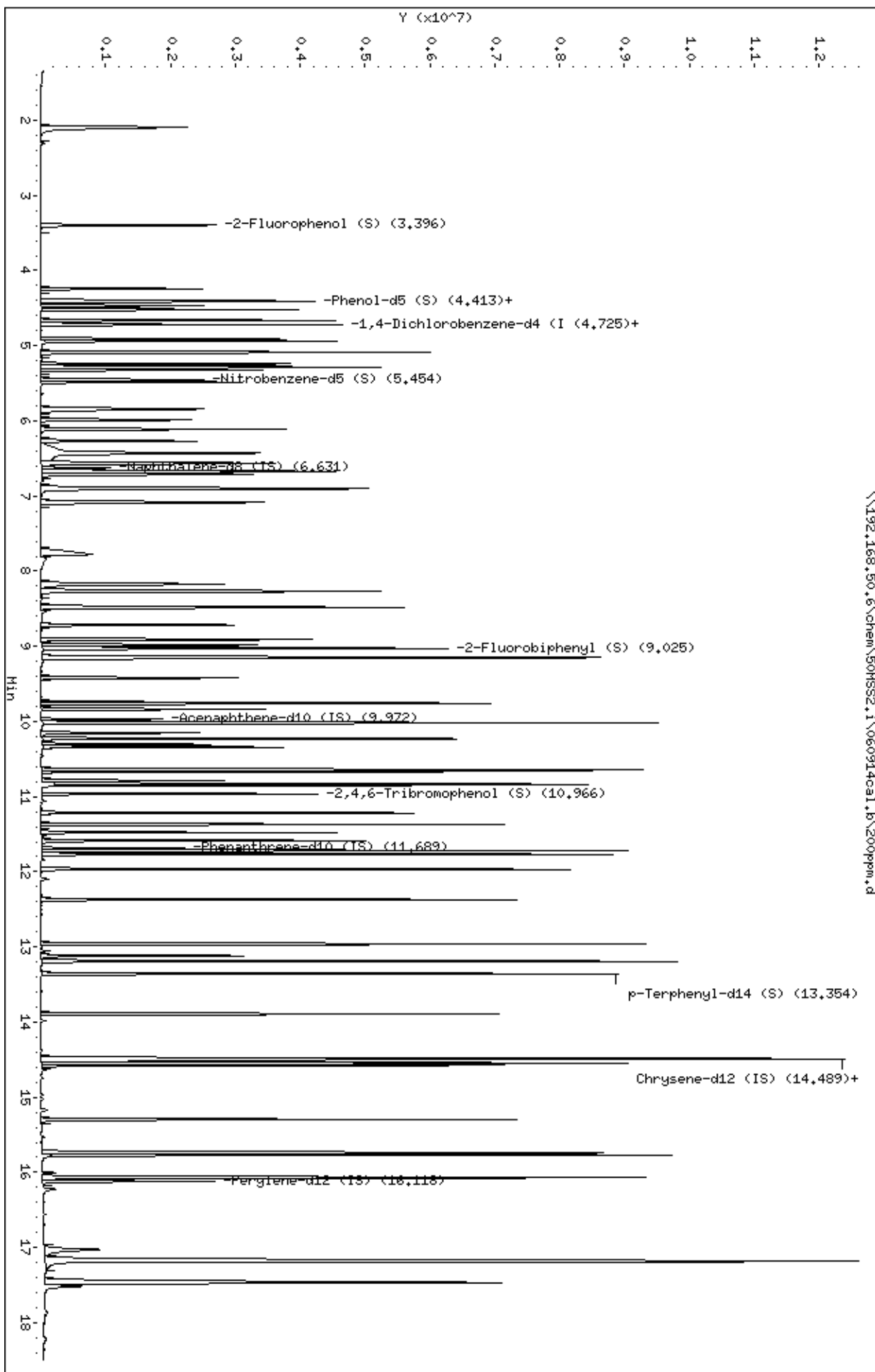
Compounds	QUANT	SIG	MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS	
								CAL-AMT	ON-COL
								(ug/ml)	(ug/ml)
\$ 23 Nitrobenzene-d5 (S)	82			5.454	5.448	(0.823)	1182442	200.000	185.7
24 Nitrobenzene	77			5.483	5.477	(0.827)	1167966	200.000	183.2
25 Isophorone	82			5.842	5.830	(0.881)	2209204	200.000	182.2
26 2-Nitrophenol	139			5.989	5.983	(0.903)	754765	200.000	195.4
27 2,4-Dimethylphenol	122			6.112	6.101	(0.922)	1106858	200.000	180.8
28 Benzoic Acid	122			6.460	6.395	(0.974)	636326	200.000	183.1
29 bis(2-Chloroethoxy)methane	93			6.271	6.259	(0.946)	1336157	200.000	178.4
30 2,4-Dichlorophenol	162			6.424	6.418	(0.969)	1173192	200.000	186.8
31 1,2,4-Trichlorobenzene	180			6.565	6.559	(0.990)	1251607	200.000	182.4
* 32 Naphthalene-d8 (IS)	136			6.630	6.624	(1.000)	831619	40.0000	
33 Naphthalene	128			6.677	6.665	(1.007)	3764789	200.000	175.6
34 2,6-Dichlorophenol	162			6.895	6.889	(1.040)	1121097	200.000	183.4
35 4-Chloroaniline	127			6.901	6.895	(1.041)	1496910	200.000	178.2
36 Hexachlorobutadiene	225			7.083	7.077	(1.068)	787119	200.000	188.4
37 Caprolactam	113			7.777	7.701	(1.173)	316216	200.000	178.0
38 4-Chloro-3-methylphenol	107			8.171	8.159	(1.232)	1081408	200.000	186.8
39 2-Methylnaphthalene	142			8.265	8.259	(1.247)	2609541	200.000	177.2
41 1-Methylnaphthalene	142			8.483	8.477	(1.279)	2536591	200.000	175.1
42 Quinoline	129			8.706	8.706	(1.313)	195	200.000	200.0
43 Hexachlorocyclopentadiene	237			8.718	8.712	(0.874)	733955	200.000	193.1
44 2,4,6-Trichlorophenol	196			8.912	8.906	(0.894)	897370	200.000	186.7
45 2,4,5-Trichlorophenol	196			8.983	8.977	(0.901)	958457	200.000	187.7
\$ 46 2-Fluorobiphenyl (S)	172			9.024	9.018	(0.905)	2851631	200.000	174.3
47 2-Chloronaphthalene	162			9.142	9.136	(0.917)	2291049	200.000	169.8
48 Biphenyl (Diphenyl)	154			9.153	9.147	(0.918)	2993499	200.000	165.6
49 2-Nitroaniline	65			9.424	9.412	(0.945)	615519	200.000	186.8
50 Dimethylphthalate	163			9.748	9.742	(0.978)	2704239	200.000	172.0
51 Acenaphthylene	152			9.765	9.759	(0.979)	3905900	200.000	168.8
52 2,6-Dinitrotoluene	165			9.836	9.830	(0.986)	653420	200.000	192.0
* 53 Acenaphthene-d10 (IS)	164			9.971	9.971	(1.000)	484995	40.0000	
54 3-Nitroaniline	138			10.018	10.006	(1.005)	679037	200.000	182.8
55 Acenaphthene	153			10.018	10.012	(1.005)	2343600	200.000	162.8
56 2,4-Dinitrophenol	184			10.153	10.147	(1.018)	450881	200.000	194.3
57 Dibenzofuran	168			10.230	10.224	(1.026)	3430097	200.000	169.1
58 4-Nitrophenol	109			10.306	10.294	(1.034)	358244	200.000	194.5
59 2,4-Dinitrotoluene	165			10.342	10.336	(1.037)	911899	200.000	193.4
60 Diethylphthalate	149			10.642	10.630	(1.067)	2501899	200.000	163.2
61 Fluorene	166			10.653	10.647	(1.068)	2557814	200.000	158.3
62 4-Chlorophenyl-phenylether	204			10.671	10.665	(1.070)	1403194	200.000	176.2
63 4-Nitroaniline	138			10.789	10.777	(1.082)	752811	200.000	193.6
64 4,6-Dinitro-2-methylphenol	198			10.824	10.812	(0.926)	578350	200.000	188.5
65 N-Nitrosodiphenylamine	169			10.836	10.830	(0.927)	1932483	200.000	165.4
66 1,2-Diphenylhydrazine	77			10.853	10.847	(0.929)	2490509	200.000	166.6
\$ 67 2,4,6-Tribromophenol (S)	330			10.965	10.959	(0.938)	679392	200.000	200.3
68 4-Bromophenyl-phenylether	248			11.218	11.212	(0.960)	994063	200.000	184.1
69 Hexachlorobenzene	284			11.371	11.365	(0.973)	1199214	200.000	185.9
70 Atrazine	200			11.477	11.471	(0.982)	737730	200.000	169.6
71 Pentachlorophenol	266			11.583	11.577	(0.991)	742865	200.000	191.4
* 72 Phenanthrene-d10 (IS)	188			11.689	11.683	(1.000)	915034	40.0000	
73 Phenanthrene	178			11.718	11.712	(1.002)	4018114	200.000	163.7
74 Anthracene	178			11.765	11.759	(1.007)	4051933	200.000	164.1
75 Carbazole	167			11.965	11.959	(1.024)	3833394	200.000	164.7
76 Di-n-butylphthalate	149			12.371	12.371	(1.058)	4391237	200.000	167.8
77 Fluoranthene	202			12.959	12.953	(1.109)	4590722	200.000	164.2

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS	
						CAL-AMT (ug/ml)	ON-COL (ug/ml)
78 Benzidine	184	13.118	13.112	(1.122)	1343388	200.000	209.0
79 Pyrene	202	13.188	13.183	(1.128)	4738188	200.000	161.8
\$ 80 p-Terphenyl-d14 (S)	244	13.353	13.353	(1.142)	3209515	200.000	170.8
81 Butylbenzylphthalate	149	13.888	13.888	(0.957)	2094643	200.000	176.6
82 Benzo(a)anthracene	228	14.488	14.482	(0.999)	4745849	200.000	165.4
83 3,3'-Dichlorobenzidine	252	14.494	14.482	(0.999)	1596499	200.000	165.7
* 84 Chrysene-d12 (IS)	240	14.506	14.506	(1.000)	1122705	40.0000	
85 Chrysene	228	14.547	14.535	(1.003)	4513120	200.000	167.4
86 bis(2-Ethylhexyl)phthalate	149	14.571	14.571	(1.004)	2988972	200.000	174.2
87 Di-n-octylphthalate	149	15.294	15.294	(0.949)	5107574	200.000	173.4
88 Benzo(b)fluoranthene	252	15.741	15.735	(0.977)	5748417	200.000	179.7
89 Benzo(k)fluoranthene	252	15.771	15.759	(0.978)	5118133	200.000	153.6
90 Benzo(a)pyrene	252	16.071	16.065	(0.997)	5022579	200.000	173.5
* 91 Perylene-d12 (IS)	264	16.118	16.118	(1.000)	1057515	40.0000	
92 Indeno(1,2,3-cd)pyrene	276	17.171	17.165	(1.065)	6556304	200.000	173.7
93 Dibenz(a,h)anthracene	278	17.182	17.171	(1.066)	5059752	200.000	166.8
94 Benzo(g,h,i)perylene	276	17.471	17.459	(1.084)	5667336	200.000	178.2

Data File: \\192.168.50.6\chem\50HSS2.1\060914ca1.b\200ppm.d
Date: 09-JUN-2014 15:56
Client ID: DFTPP
Sample Info: CAL9,702922;1
Volume Injected (uL): 1.0
Column phase: 50um DB-5ms

Instrument: 50HSS2.1
Operator: CEH
Column diameter: 0.25

\\192.168.50.6\chem\50HSS2.1\060914ca1.b\200ppm.d



Pace Analytical Services, Inc.

Semivolatile REPORT SW-846 Method 8270/EPA 625

Data file : \\192.168.50.6\chem\50MSS3.i\061014cal8270.b\5ppm.d
 Lab Smp Id: CAL2,70285:1
 Inj Date : 10-JUN-2014 10:37
 Operator : CEM Inst ID: 50MSS3.i
 Smp Info : cal2,70285:1
 Misc Info : 15492
 Comment :
 Method : \\192.168.50.6\chem\50MSS3.i\061014cal8270.b\8270c.m
 Meth Date : 13-Jun-2014 09:19 cmanuputy Quant Type: ISTD
 Cal Date : 10-JUN-2014 10:37 Cal File: 5ppm.d
 Als bottle: 3 Calibration Sample, Level: 2
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: most.sub
 Target Version: 4.14
 Processing Host: 50-SVOA-CEM

Concentration Formula: Amt * DF * Uf * Vt / (Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vt	1000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT	SIG	RT	EXP RT	REL RT	RESPONSE	AMOUNTS	
							CAL-AMT	ON-COL
	MASS						(ug/ml)	(ug/ml)
1 N-Nitrosodimethylamine	42		2.028	2.021	(0.437)	9850	5.00000	5.21
2 Pyridine	79		2.057	2.028	(0.443)	19466	5.00000	4.11
\$ 3 2-Fluorophenol (S)	112		3.416	3.410	(0.735)	21887	5.00000	4.87
5 Benzaldehyde	77		4.192	4.187	(0.902)	7460	5.00000	10.21
\$ 7 Phenol-d5 (S)	99		4.433	4.428	(0.954)	27649	5.00000	4.95
8 Phenol	94		4.451	4.446	(0.958)	29823	5.00000	5.00
6 bis(2-Chloroethyl)ether	93		4.410	4.410	(0.949)	22813	5.00000	5.12
9 2-Chlorophenol	128		4.498	4.493	(0.968)	26872	5.00000	5.00
10 1,3-Dichlorobenzene	146		4.604	4.604	(0.991)	30933	5.00000	5.15
* 11 1,4-Dichlorobenzene-d4 (IS)	152		4.645	4.646	(1.000)	156546	40.00000	
12 1,4-Dichlorobenzene	146		4.663	4.663	(1.004)	31478	5.00000	5.21
14 Benzyl Alcohol	108		4.874	4.875	(1.049)	13951	5.00000	4.57
13 1,2-Dichlorobenzene	146		4.874	4.875	(1.049)	29971	5.00000	5.36
18 2-Methylphenol	108		5.086	5.087	(1.095)	22080	5.00000	5.01
15 bis(2chlorolmethylethyl) ether	45		5.027	5.028	(1.082)	29726	5.00000	5.22
16 2,2'-Oxybis(1-chloropropane)	45		5.027	5.028	(1.082)	29726	5.00000	5.22
17 bis(2-Chloroisopropyl)ether	45		5.027	5.028	(1.082)	29726	5.00000	5.22
22 3&4-Methylphenol	108		5.298	5.298	(1.141)	23534	5.00000	4.87
19 Acetophenone	105		5.169	5.169	(1.113)	34614	5.00000	5.07
20 N-Nitroso-di-n-propylamine	70		5.204	5.204	(1.120)	15943	5.00000	4.99

Compounds	QUANT	SIG						AMOUNTS	
			MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/ml)	ON-COL (ug/ml)
21 Hexachloroethane	117		5.245	5.246	(1.129)	9499	5.00000	4.89	
\$ 23 Nitrobenzene-d5 (S)	82		5.380	5.381	(0.825)	22371	5.00000	4.87	
24 Nitrobenzene	77		5.404	5.404	(0.829)	22946	5.00000	4.96	
25 Isophorone	82		5.745	5.751	(0.881)	43996	5.00000	4.99	
26 2-Nitrophenol	139		5.904	5.898	(0.905)	13086	5.00000	4.35	
27 2,4-Dimethylphenol	122		6.086	6.081	(0.933)	21842	5.00000	4.83	
31 Benzoic Acid	122		6.357	6.434	(0.975)	5099	5.00000	2.13	
28 bis(2-Chloroethoxy)methane	93		6.174	6.175	(0.947)	27530	5.00000	5.05	
29 2,4-Dichlorophenol	162		6.410	6.387	(0.983)	21924	5.00000	4.72	
30 1,2,4-Trichlorobenzene	180		6.457	6.457	(0.990)	25748	5.00000	5.10	
* 32 Naphthalene-d8 (IS)	136		6.521	6.522	(1.000)	628840	40.00000		
33 Naphthalene	128		6.557	6.563	(1.005)	82315	5.00000	5.17	
35 4-Chloroaniline	127		6.827	6.822	(1.047)	24294	5.00000	4.11	
34 2,6-Dichlorophenol	162		6.821	6.822	(1.046)	21994	5.00000	4.90	
36 Hexachlorobutadiene	225		6.963	6.969	(1.068)	15099	5.00000	5.02	
37 Caprolactam	113		7.539	7.592	(1.156)	6223	5.00000	4.01	
39 4-Chloro-3-methylphenol	107		8.180	8.175	(1.254)	19316	5.00000	4.60	
38 2-Methylnaphthalene	142		8.151	8.151	(1.250)	75211	5.00000	5.06	
40 1-Methylnaphthalene	142		8.368	8.375	(1.283)	55587	5.00000	5.10	
42 Hexachlorocyclopentadiene	237		8.615	8.616	(0.871)	4483	5.00000	6.92 (M)	
43 2,4,6-Trichlorophenol	196		8.851	8.845	(0.895)	16895	5.00000	4.65	
45 2,4,5-Trichlorophenol	196		8.968	8.951	(0.907)	16891	5.00000	4.51	
\$ 44 2-Fluorobiphenyl (S)	172		8.927	8.934	(0.903)	62879	5.00000	5.13	
47 Biphenyl (Diphenyl)	154		9.062	9.063	(0.917)	74019	5.00000	5.34	
46 2-Chloronaphthalene	162		9.045	9.045	(0.915)	52996	5.00000	5.15	
49 2-Nitroaniline	65		9.357	9.357	(0.946)	10581	5.00000	4.47	
50 Dimethylphthalate	163		9.662	9.669	(0.977)	61746	5.00000	5.44 (M)	
51 Acenaphthylene	152		9.674	9.675	(0.979)	88134	5.00000	5.19	
52 2,6-Dinitrotoluene	165		9.756	9.757	(0.987)	10620	5.00000	4.04	
55 3-Nitroaniline	138		9.956	9.957	(1.007)	11123	5.00000	4.04	
* 53 Acenaphthene-d10 (IS)	164		9.886	9.886	(1.000)	377649	40.00000		
54 Acenaphthene	153		9.927	9.933	(1.004)	57360	5.00000	5.29	
59 4-Nitrophenol	109		10.362	10.328	(1.048)	3968	5.00000	3.12	
57 Dibenzofuran	168		10.139	10.139	(1.026)	80904	5.00000	5.27	
58 2,4-Dinitrotoluene	165		10.251	10.257	(1.037)	14537	5.00000	4.03	
60 Diethylphthalate	149		10.551	10.557	(1.067)	60923	5.00000	5.54	
61 Fluorene	166		10.562	10.563	(1.068)	66708	5.00000	5.55	
62 4-Chlorophenyl-phenylether	204		10.586	10.586	(1.071)	32493	5.00000	5.24	
64 4-Nitroaniline	138		10.721	10.728	(1.084)	13124	5.00000	4.53	
63 4,6-Dinitro-2-methylphenol	198		10.733	10.728	(0.925)	6437	5.00000	2.61	
65 N-Nitrosodiphenylamine	169		10.756	10.757	(0.927)	47722	5.00000	5.39	
66 1,2-Diphenylhydrazine	77		10.762	10.769	(0.927)	55024	5.00000	5.39	
\$ 67 2,4,6-Tribromophenol (S)	330		10.892	10.892	(0.939)	9692	5.00000	4.54	
68 4-Bromophenyl-phenylether	248		11.133	11.133	(0.959)	20254	5.00000	5.12	
69 Hexachlorobenzene	284		11.274	11.280	(0.972)	22367	5.00000	5.21	
70 Atrazine	200		11.398	11.404	(0.982)	15999	5.00000	4.95	
71 Pentachlorophenol	266		11.515	11.510	(0.992)	7533	5.00000	2.87	
* 72 Phenanthrene-d10 (IS)	188		11.603	11.604	(1.000)	678938	40.00000		
73 Phenanthrene	178		11.621	11.627	(1.002)	102171	5.00000	5.47	
74 Anthracene	178		11.668	11.675	(1.006)	101300	5.00000	5.40	
75 Carbazole	167		11.892	11.892	(1.025)	90947	5.00000	5.26	
76 Di-n-butylphthalate	149		12.286	12.286	(1.059)	99960	5.00000	5.21	
77 Fluoranthene	202		12.856	12.863	(1.108)	109373	5.00000	5.29	
79 Pyrene	202		13.080	13.086	(1.127)	115366	5.00000	5.38	

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS	
						CAL-AMT (ug/ml)	ON-COL (ug/ml)
\$ 80 p-Terphenyl-d14 (S)	244	13.256	13.257	(1.142)	74624	5.00000	5.27
81 Butylbenzylphthalate	149	13.780	13.780	(0.959)	42753	5.00000	4.81
82 Benzo(a)anthracene	228	14.344	14.351	(0.998)	114035	5.00000	5.09
83 3,3'-Dichlorobenzidine	252	14.368	14.368	(1.000)	31848	5.00000	4.81
* 84 Chrysene-d12 (IS)	240	14.368	14.374	(1.000)	835352	40.00000	
85 Chrysene	228	14.397	14.404	(1.002)	111503	5.00000	5.22
86 bis(2-Ethylhexyl)phthalate	149	14.439	14.439	(1.005)	60737	5.00000	4.80
87 Di-n-octylphthalate	149	15.162	15.168	(0.949)	100230	5.00000	4.85
88 Benzo(b)fluoranthene	252	15.586	15.598	(0.976)	114340	5.00000	5.05
89 Benzo(k)fluoranthene	252	15.609	15.621	(0.977)	136646	5.00000	5.53
90 Benzo(a)pyrene	252	15.915	15.921	(0.996)	106286	5.00000	5.10
* 91 Perylene-d12 (IS)	264	15.974	15.974	(1.000)	752582	40.00000	
92 Indeno(1,2,3-cd)pyrene	276	16.962	16.974	(1.062)	133288	5.00000	5.18
93 Dibenz(a,h)anthracene	278	16.974	16.986	(1.063)	111082	5.00000	5.29
94 Benzo(g,h,i)perylene	276	17.232	17.245	(1.079)	114450	5.00000	5.14

QC Flag Legend

M - Compound response manually integrated.

Client ID:

Sample Info: CAL2,70285;1

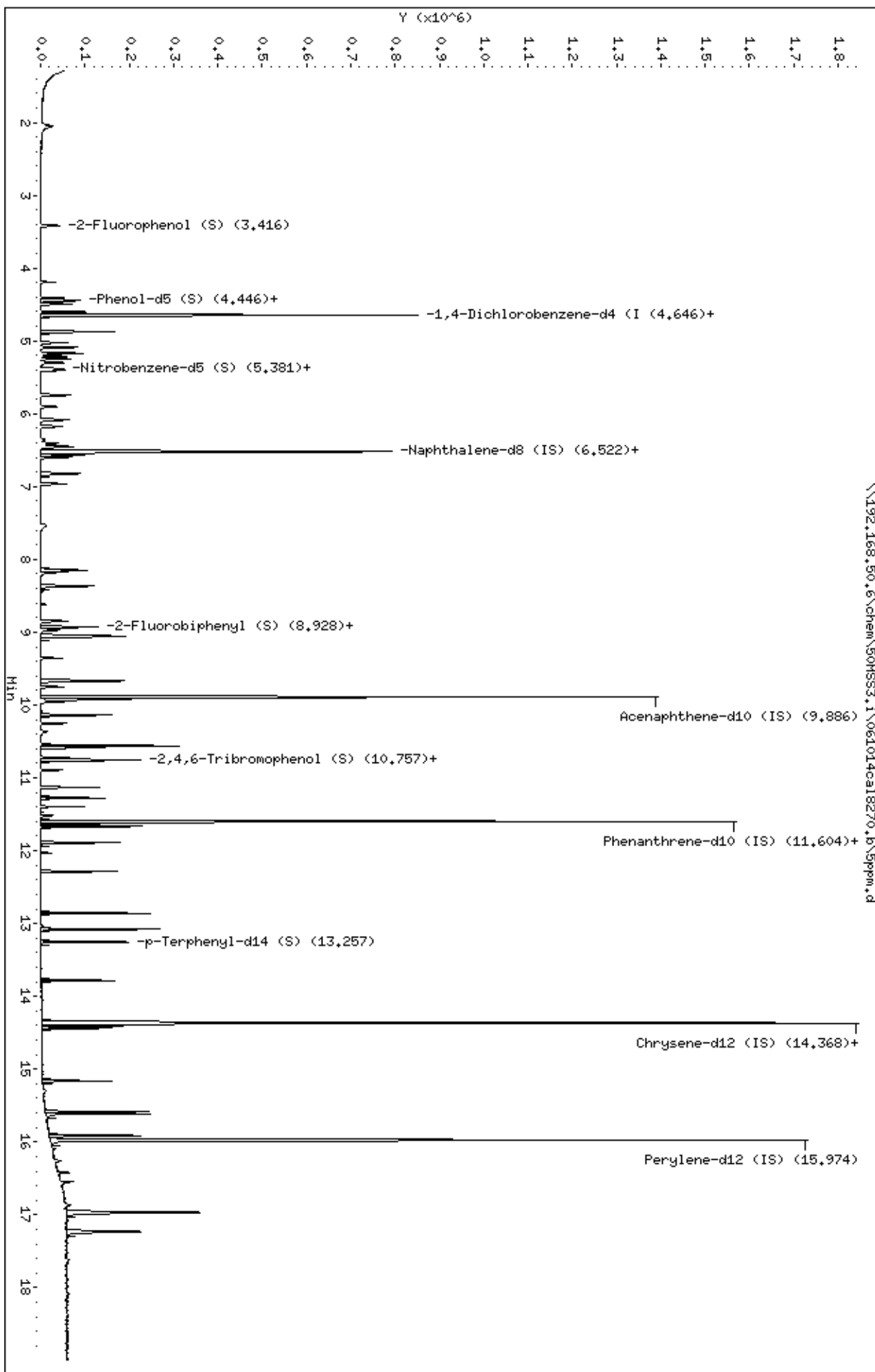
Volume Injected (uL): 1.0

Column phase: 50um DB-5ms

Instrument: 50HSS3.1

Operator: CEH

Column diameter: 0.25



Pace Analytical Services, Inc.

Semivolatile REPORT SW-846 Method 8270/EPA 625

Data file : \\192.168.50.6\chem\50MSS3.i\061014cal8270.b\10ppm.d
 Lab Smp Id: CAL3,70286:1
 Inj Date : 10-JUN-2014 11:00
 Operator : CEM Inst ID: 50MSS3.i
 Smp Info : cal3,70286:1
 Misc Info : 15492
 Comment :
 Method : \\192.168.50.6\chem\50MSS3.i\061014cal8270.b\8270c.m
 Meth Date : 13-Jun-2014 09:19 cmanuputy Quant Type: ISTD
 Cal Date : 10-JUN-2014 11:00 Cal File: 10ppm.d
 Als bottle: 4 Calibration Sample, Level: 3
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: most.sub
 Target Version: 4.14
 Processing Host: 50-SVOA-CEM

Concentration Formula: Amt * DF * Uf * Vt / (Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vt	1000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT	SIG	AMOUNTS				CAL-AMT (ug/ml)	ON-COL (ug/ml)
			MASS	RT	EXP RT	REL RT		
1 N-Nitrosodimethylamine	42		2.033	2.021	(0.437)	21097	10.0000	10.47
2 Pyridine	79		2.045	2.028	(0.440)	51939	10.0000	10.30
\$ 3 2-Fluorophenol (S)	112		3.421	3.410	(0.736)	49706	10.0000	10.37
5 Benzaldehyde	77		4.198	4.187	(0.903)	14236	10.0000	12.95
\$ 7 Phenol-d5 (S)	99		4.439	4.428	(0.954)	62529	10.0000	10.49
8 Phenol	94		4.451	4.446	(0.957)	67029	10.0000	10.55
6 bis(2-Chloroethyl)ether	93		4.421	4.410	(0.951)	50529	10.0000	10.63
9 2-Chlorophenol	128		4.498	4.493	(0.967)	59914	10.0000	10.45
10 1,3-Dichlorobenzene	146		4.610	4.604	(0.991)	68162	10.0000	10.64
* 11 1,4-Dichlorobenzene-d4 (IS)	152		4.651	4.646	(1.000)	166906	40.0000	
12 1,4-Dichlorobenzene	146		4.668	4.663	(1.004)	68804	10.0000	10.69
14 Benzyl Alcohol	108		4.880	4.875	(1.049)	33134	10.0000	10.17
13 1,2-Dichlorobenzene	146		4.880	4.875	(1.049)	64890	10.0000	10.90
18 2-Methylphenol	108		5.092	5.087	(1.095)	48885	10.0000	10.40
15 bis(2chlorolmethylethyl) ether	45		5.033	5.028	(1.082)	65271	10.0000	10.75
16 2,2'-Oxybis(1-chloropropane)	45		5.033	5.028	(1.082)	65271	10.0000	10.75
17 bis(2-Chloroisopropyl)ether	45		5.033	5.028	(1.082)	65271	10.0000	10.75
22 3&4-Methylphenol	108		5.304	5.298	(1.140)	52708	10.0000	10.24
19 Acetophenone	105		5.174	5.169	(1.113)	75520	10.0000	10.37
20 N-Nitroso-di-n-propylamine	70		5.210	5.204	(1.120)	35237	10.0000	10.34

Compounds	QUANT	SIG						AMOUNTS	
			MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/ml)	ON-COL (ug/ml)
21 Hexachloroethane	117		5.251	5.246	(1.129)	21472	10.0000	10.36	
\$ 23 Nitrobenzene-d5 (S)	82		5.386	5.381	(0.825)	49152	10.0000	10.17	
24 Nitrobenzene	77		5.410	5.404	(0.829)	50862	10.0000	10.45	
25 Isophorone	82		5.745	5.751	(0.880)	98017	10.0000	10.55	
26 2-Nitrophenol	139		5.910	5.898	(0.905)	30173	10.0000	9.52	
27 2,4-Dimethylphenol	122		6.086	6.081	(0.932)	49693	10.0000	10.44	
31 Benzoic Acid	122		6.374	6.434	(0.977)	20494	10.0000	8.14	
28 bis(2-Chloroethoxy)methane	93		6.180	6.175	(0.947)	60337	10.0000	10.52	
29 2,4-Dichlorophenol	162		6.404	6.387	(0.981)	49412	10.0000	10.09	
30 1,2,4-Trichlorobenzene	180		6.457	6.457	(0.989)	56716	10.0000	10.66	
* 32 Naphthalene-d8 (IS)	136		6.527	6.522	(1.000)	662381	40.0000		
33 Naphthalene	128		6.562	6.563	(1.005)	179894	10.0000	10.73	
35 4-Chloroaniline	127		6.827	6.822	(1.046)	64387	10.0000	10.35	
34 2,6-Dichlorophenol	162		6.827	6.822	(1.046)	50167	10.0000	10.61	
36 Hexachlorobutadiene	225		6.968	6.969	(1.068)	33120	10.0000	10.45	
37 Caprolactam	113		7.527	7.592	(1.153)	15611	10.0000	9.55	
39 4-Chloro-3-methylphenol	107		8.174	8.175	(1.252)	45469	10.0000	10.28	
38 2-Methylnaphthalene	142		8.151	8.151	(1.249)	164467	10.0000	10.51	
40 1-Methylnaphthalene	142		8.368	8.375	(1.282)	123527	10.0000	10.76	
42 Hexachlorocyclopentadiene	237		8.621	8.616	(0.872)	15513	10.0000	10.26	
43 2,4,6-Trichlorophenol	196		8.845	8.845	(0.895)	38610	10.0000	10.14	
45 2,4,5-Trichlorophenol	196		8.962	8.951	(0.907)	39986	10.0000	10.19	
\$ 44 2-Fluorobiphenyl (S)	172		8.927	8.934	(0.903)	140641	10.0000	10.96	
47 Biphenyl (Diphenyl)	154		9.062	9.063	(0.917)	159794	10.0000	10.99	
46 2-Chloronaphthalene	162		9.045	9.045	(0.915)	118933	10.0000	11.02	
49 2-Nitroaniline	65		9.350	9.357	(0.946)	24034	10.0000	9.68	
50 Dimethylphthalate	163		9.662	9.669	(0.977)	136321	10.0000	11.25 (M)	
51 Acenaphthylene	152		9.674	9.675	(0.979)	195312	10.0000	10.97	
52 2,6-Dinitrotoluene	165		9.750	9.757	(0.986)	26134	10.0000	9.49	
55 3-Nitroaniline	138		9.956	9.957	(1.007)	27303	10.0000	9.47	
* 53 Acenaphthene-d10 (IS)	164		9.886	9.886	(1.000)	395810	40.0000		
54 Acenaphthene	153		9.927	9.933	(1.004)	126593	10.0000	11.13	
56 2,4-Dinitrophenol	184		10.080	10.069	(1.020)	7979	10.0000	11.86 (M)	
59 4-Nitrophenol	109		10.350	10.328	(1.047)	10851	10.0000	8.14	
57 Dibenzofuran	168		10.139	10.139	(1.026)	176763	10.0000	10.98	
58 2,4-Dinitrotoluene	165		10.250	10.257	(1.037)	36334	10.0000	9.61	
60 Diethylphthalate	149		10.550	10.557	(1.067)	132289	10.0000	11.47	
61 Fluorene	166		10.562	10.563	(1.068)	146641	10.0000	11.64	
62 4-Chlorophenyl-phenylether	204		10.586	10.586	(1.071)	70810	10.0000	10.90	
64 4-Nitroaniline	138		10.715	10.728	(1.084)	30601	10.0000	10.07	
63 4,6-Dinitro-2-methylphenol	198		10.727	10.728	(0.925)	18425	10.0000	7.04	
65 N-Nitrosodiphenylamine	169		10.750	10.757	(0.927)	104551	10.0000	11.12	
66 1,2-Diphenylhydrazine	77		10.762	10.769	(0.928)	120285	10.0000	11.10	
\$ 67 2,4,6-Tribromophenol (S)	330		10.892	10.892	(0.939)	22280	10.0000	9.83	
68 4-Bromophenyl-phenylether	248		11.133	11.133	(0.960)	44484	10.0000	10.60	
69 Hexachlorobenzene	284		11.274	11.280	(0.972)	48904	10.0000	10.73	
70 Atrazine	200		11.397	11.404	(0.983)	37098	10.0000	10.80	
71 Pentachlorophenol	266		11.515	11.510	(0.993)	20623	10.0000	7.40	
* 72 Phenanthrene-d10 (IS)	188		11.597	11.604	(1.000)	720907	40.0000		
73 Phenanthrene	178		11.621	11.627	(1.002)	222018	10.0000	11.20	
74 Anthracene	178		11.668	11.675	(1.006)	218894	10.0000	10.99	
75 Carbazole	167		11.886	11.892	(1.025)	201196	10.0000	10.96	
76 Di-n-butylphthalate	149		12.286	12.286	(1.059)	219822	10.0000	10.79	
77 Fluoranthene	202		12.856	12.863	(1.109)	242472	10.0000	11.05	

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS	
						CAL-AMT (ug/ml)	ON-COL (ug/ml)
78 Benzidine	184	13.033	13.033	(1.124)	27101	10.0000	5.86
79 Pyrene	202	13.080	13.086	(1.128)	254911	10.0000	11.20
\$ 80 p-Terphenyl-d14 (S)	244	13.250	13.257	(1.143)	166697	10.0000	11.10
81 Butylbenzylphthalate	149	13.780	13.780	(0.959)	95315	10.0000	10.32
82 Benzo(a)anthracene	228	14.344	14.351	(0.998)	251786	10.0000	10.82
83 3,3'-Dichlorobenzidine	252	14.362	14.368	(1.000)	73279	10.0000	10.64
* 84 Chrysene-d12 (IS)	240	14.368	14.374	(1.000)	868204	40.0000	
85 Chrysene	228	14.397	14.404	(1.002)	242407	10.0000	10.92
86 bis(2-Ethylhexyl)phthalate	149	14.438	14.439	(1.005)	133318	10.0000	10.14
87 Di-n-octylphthalate	149	15.162	15.168	(0.949)	223963	10.0000	10.30
88 Benzo(b)fluoranthene	252	15.585	15.598	(0.976)	250307	10.0000	10.51
89 Benzo(k)fluoranthene	252	15.609	15.621	(0.977)	296913	10.0000	11.42
90 Benzo(a)pyrene	252	15.915	15.921	(0.996)	235042	10.0000	10.73
* 91 Perylene-d12 (IS)	264	15.974	15.974	(1.000)	791718	40.0000	
92 Indeno(1,2,3-cd)pyrene	276	16.962	16.974	(1.062)	293671	10.0000	10.85
93 Dibenz(a,h)anthracene	278	16.974	16.986	(1.063)	241818	10.0000	10.94
94 Benzo(g,h,i)perylene	276	17.232	17.245	(1.079)	257129	10.0000	10.97

QC Flag Legend

M - Compound response manually integrated.

Client ID:

Sample Info: CQL3,70286;1

Volume Injected (uL): 1.0

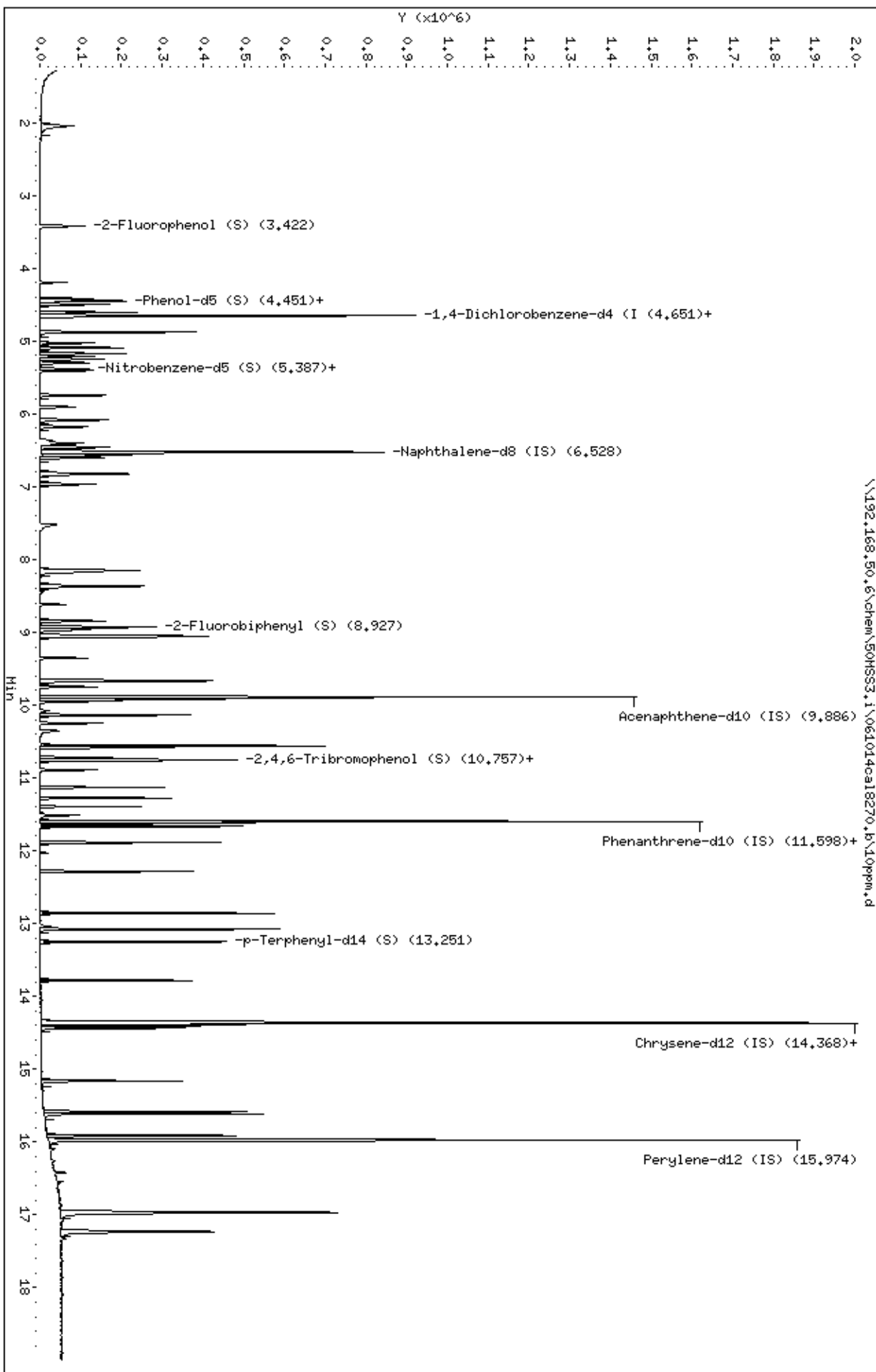
Column phase: 50um DB-5ms

Instrument: 50HSS3.1

Operator: CEH

Column diameter: 0.25

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Pace Analytical Services, Inc.

Semivolatile REPORT SW-846 Method 8270/EPA 625

Data file : \\192.168.50.6\chem\50MSS3.i\061014cal8270.b\20ppm.d
 Lab Smp Id: CAL4,70287:1
 Inj Date : 10-JUN-2014 11:24
 Operator : CEM Inst ID: 50MSS3.i
 Smp Info : cal4,70287:1
 Misc Info : 15492
 Comment :
 Method : \\192.168.50.6\chem\50MSS3.i\061014cal8270.b\8270c.m
 Meth Date : 13-Jun-2014 09:19 cmanuputy Quant Type: ISTD
 Cal Date : 10-JUN-2014 11:24 Cal File: 20ppm.d
 Als bottle: 5 Calibration Sample, Level: 4
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: most.sub
 Target Version: 4.14
 Processing Host: 50-SVOA-CEM

Concentration Formula: Amt * DF * Uf * Vt / (Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vt	1000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT	SIG	MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS	
								CAL-AMT	ON-COL
								(ug/ml)	(ug/ml)
1 N-Nitrosodimethylamine	42			2.022	2.021	(0.435)	41641	20.0000	20.43
2 Pyridine	79			2.033	2.028	(0.438)	107198	20.0000	21.00
\$ 3 2-Fluorophenol (S)	112			3.410	3.410	(0.734)	100393	20.0000	20.70
5 Benzaldehyde	77			4.192	4.187	(0.902)	30175	20.0000	19.74
\$ 7 Phenol-d5 (S)	99			4.433	4.428	(0.954)	128184	20.0000	21.25
8 Phenol	94			4.445	4.446	(0.957)	136634	20.0000	21.26
6 bis(2-Chloroethyl)ether	93			4.410	4.410	(0.949)	100107	20.0000	20.82
9 2-Chlorophenol	128			4.492	4.493	(0.967)	121889	20.0000	21.01
10 1,3-Dichlorobenzene	146			4.598	4.604	(0.990)	137128	20.0000	21.16
* 11 1,4-Dichlorobenzene-d4 (IS)	152			4.645	4.646	(1.000)	168899	40.0000	
12 1,4-Dichlorobenzene	146			4.663	4.663	(1.004)	137040	20.0000	21.04
14 Benzyl Alcohol	108			4.868	4.875	(1.048)	69708	20.0000	21.15
13 1,2-Dichlorobenzene	146			4.874	4.875	(1.049)	129294	20.0000	21.45
18 2-Methylphenol	108			5.086	5.087	(1.095)	99382	20.0000	20.90
15 bis(2chlorolmethylethyl) ether	45			5.021	5.028	(1.081)	130430	20.0000	21.22
16 2,2'-Oxybis(1-chloropropane)	45			5.021	5.028	(1.081)	130430	20.0000	21.22
17 bis(2-Chloroisopropyl)ether	45			5.021	5.028	(1.081)	130430	20.0000	21.22
22 3&4-Methylphenol	108			5.292	5.298	(1.139)	107660	20.0000	20.67
19 Acetophenone	105			5.162	5.169	(1.111)	154540	20.0000	20.98
20 N-Nitroso-di-n-propylamine	70			5.204	5.204	(1.120)	71345	20.0000	20.69

Compounds	QUANT	SIG						AMOUNTS	
			MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/ml)	ON-COL (ug/ml)
21 Hexachloroethane	117		5.245	5.246	(1.129)	42887	20.0000	20.45	
\$ 23 Nitrobenzene-d5 (S)	82		5.374	5.381	(0.824)	101303	20.0000	20.50	
24 Nitrobenzene	77		5.398	5.404	(0.828)	104373	20.0000	20.98	
25 Isophorone	82		5.739	5.751	(0.880)	199788	20.0000	21.04	
26 2-Nitrophenol	139		5.898	5.898	(0.904)	64694	20.0000	19.98	
27 2,4-Dimethylphenol	122		6.074	6.081	(0.931)	100859	20.0000	20.73	
31 Benzoic Acid	122		6.357	6.434	(0.975)	50701	20.0000	18.23 (M)	
28 bis(2-Chloroethoxy)methane	93		6.174	6.175	(0.947)	122633	20.0000	20.92	
29 2,4-Dichlorophenol	162		6.392	6.387	(0.980)	104847	20.0000	20.95	
30 1,2,4-Trichlorobenzene	180		6.451	6.457	(0.989)	113637	20.0000	20.91	
* 32 Naphthalene-d8 (IS)	136		6.521	6.522	(1.000)	676930	40.0000		
33 Naphthalene	128		6.557	6.563	(1.005)	362072	20.0000	21.13	
35 4-Chloroaniline	127		6.815	6.822	(1.045)	140918	20.0000	22.17	
34 2,6-Dichlorophenol	162		6.815	6.822	(1.045)	102284	20.0000	21.16	
36 Hexachlorobutadiene	225		6.962	6.969	(1.068)	68194	20.0000	21.05	
37 Caprolactam	113		7.521	7.592	(1.153)	34268	20.0000	20.51	
39 4-Chloro-3-methylphenol	107		8.168	8.175	(1.253)	93690	20.0000	20.74	
38 2-Methylnaphthalene	142		8.145	8.151	(1.249)	336352	20.0000	21.03	
40 1-Methylnaphthalene	142		8.368	8.375	(1.283)	249467	20.0000	21.27	
42 Hexachlorocyclopentadiene	237		8.615	8.616	(0.871)	42242	20.0000	18.38	
43 2,4,6-Trichlorophenol	196		8.845	8.845	(0.895)	79801	20.0000	20.77	
45 2,4,5-Trichlorophenol	196		8.956	8.951	(0.906)	83888	20.0000	21.17	
\$ 44 2-Fluorobiphenyl (S)	172		8.927	8.934	(0.903)	280655	20.0000	21.65	
47 Biphenyl (Diphenyl)	154		9.056	9.063	(0.916)	320863	20.0000	21.86	
46 2-Chloronaphthalene	162		9.045	9.045	(0.915)	238913	20.0000	21.93	
49 2-Nitroaniline	65		9.350	9.357	(0.946)	52172	20.0000	20.81	
50 Dimethylphthalate	163		9.662	9.669	(0.977)	269084	20.0000	22.00	
51 Acenaphthylene	152		9.674	9.675	(0.979)	401008	20.0000	22.30	
52 2,6-Dinitrotoluene	165		9.750	9.757	(0.986)	57560	20.0000	20.71	
55 3-Nitroaniline	138		9.950	9.957	(1.007)	58402	20.0000	20.06	
* 53 Acenaphthene-d10 (IS)	164		9.886	9.886	(1.000)	399668	40.0000		
54 Acenaphthene	153		9.927	9.933	(1.004)	253210	20.0000	22.06	
56 2,4-Dinitrophenol	184		10.068	10.069	(1.018)	24015	20.0000	19.40 (M)	
59 4-Nitrophenol	109		10.339	10.328	(1.046)	24915	20.0000	18.52	
57 Dibenzofuran	168		10.139	10.139	(1.026)	358008	20.0000	22.03	
58 2,4-Dinitrotoluene	165		10.250	10.257	(1.037)	78633	20.0000	20.60	
60 Diethylphthalate	149		10.550	10.557	(1.067)	260730	20.0000	22.40	
61 Fluorene	166		10.556	10.563	(1.068)	287392	20.0000	22.60	
62 4-Chlorophenyl-phenylether	204		10.586	10.586	(1.071)	142477	20.0000	21.71	
64 4-Nitroaniline	138		10.715	10.728	(1.084)	64674	20.0000	21.09	
63 4,6-Dinitro-2-methylphenol	198		10.727	10.728	(0.925)	45454	20.0000	17.15	
65 N-Nitrosodiphenylamine	169		10.750	10.757	(0.927)	211066	20.0000	22.18	
66 1,2-Diphenylhydrazine	77		10.762	10.769	(0.928)	237845	20.0000	21.69	
\$ 67 2,4,6-Tribromophenol (S)	330		10.892	10.892	(0.939)	46644	20.0000	20.34	
68 4-Bromophenyl-phenylether	248		11.133	11.133	(0.960)	89770	20.0000	21.14	
69 Hexachlorobenzene	284		11.274	11.280	(0.972)	98515	20.0000	21.35	
70 Atrazine	200		11.397	11.404	(0.983)	75746	20.0000	21.79	
71 Pentachlorophenol	266		11.509	11.510	(0.992)	49507	20.0000	17.55	
* 72 Phenanthrene-d10 (IS)	188		11.597	11.604	(1.000)	729659	40.0000		
73 Phenanthrene	178		11.621	11.627	(1.002)	440870	20.0000	21.96	
74 Anthracene	178		11.668	11.675	(1.006)	436802	20.0000	21.67	
75 Carbazole	167		11.886	11.892	(1.025)	402833	20.0000	21.69	
76 Di-n-butylphthalate	149		12.280	12.286	(1.059)	444441	20.0000	21.56	
77 Fluoranthene	202		12.856	12.863	(1.109)	485020	20.0000	21.84	

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS	
						CAL-AMT (ug/ml)	ON-COL (ug/ml)
78 Benzidine	184	13.033	13.033	(1.124)	71282	20.0000	15.23
79 Pyrene	202	13.080	13.086	(1.128)	504064	20.0000	21.89
\$ 80 p-Terphenyl-d14 (S)	244	13.250	13.257	(1.143)	330879	20.0000	21.76
81 Butylbenzylphthalate	149	13.780	13.780	(0.959)	196376	20.0000	20.56
82 Benzo(a)anthracene	228	14.344	14.351	(0.998)	505299	20.0000	20.99
83 3,3'-Dichlorobenzidine	252	14.362	14.368	(1.000)	148793	20.0000	20.90
* 84 Chrysene-d12 (IS)	240	14.368	14.374	(1.000)	897630	40.0000	
85 Chrysene	228	14.397	14.404	(1.002)	485193	20.0000	21.14
86 bis(2-Ethylhexyl)phthalate	149	14.438	14.439	(1.005)	278232	20.0000	20.48
87 Di-n-octylphthalate	149	15.162	15.168	(0.949)	464492	20.0000	20.88
88 Benzo(b)fluoranthene	252	15.585	15.598	(0.976)	505672	20.0000	20.77
89 Benzo(k)fluoranthene	252	15.609	15.621	(0.977)	596409	20.0000	22.43
90 Benzo(a)pyrene	252	15.915	15.921	(0.996)	473776	20.0000	21.15
* 91 Perylene-d12 (IS)	264	15.974	15.974	(1.000)	809491	40.0000	
92 Indeno(1,2,3-cd)pyrene	276	16.962	16.974	(1.062)	593133	20.0000	21.43
93 Dibenz(a,h)anthracene	278	16.968	16.986	(1.062)	487928	20.0000	21.59
94 Benzo(g,h,i)perylene	276	17.232	17.245	(1.079)	500661	20.0000	20.89

QC Flag Legend

M - Compound response manually integrated.

Client ID:

Sample Info: CQL4,70287;1

Volume Injected (uL): 1.0

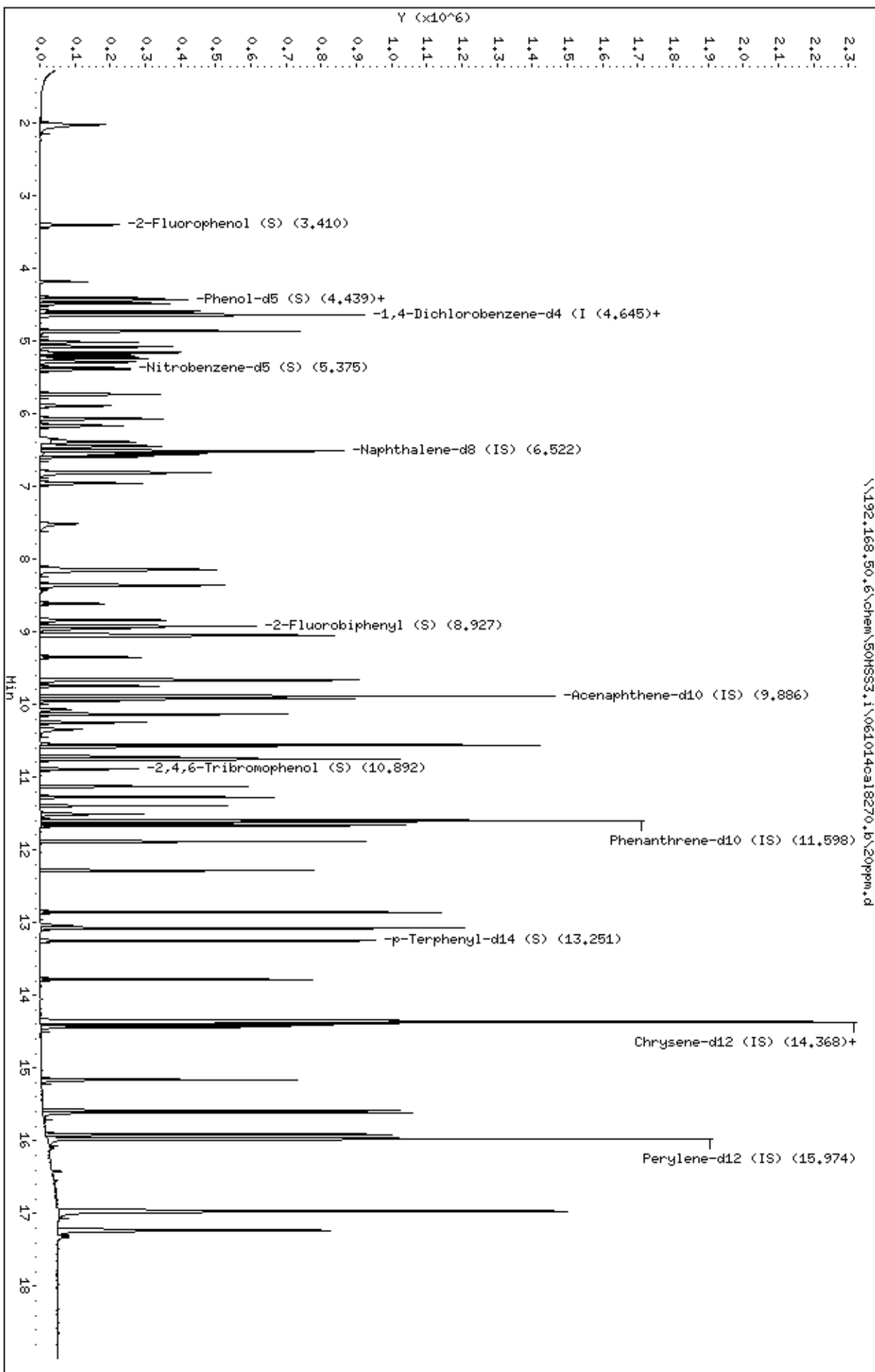
Column phase: 50um DB-5ms

Instrument: 50HSS3.1

Operator: CEH

Column diameter: 0.25

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Pace Analytical Services, Inc.

Semivolatile REPORT SW-846 Method 8270/EPA 625

Data file : \\192.168.50.6\chem\50MSS3.i\061014cal8270.b\50ppm.d
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 Inj Date : 10-JUN-2014 11:47
 Operator : CEM Inst ID: 50MSS3.i
 Smp Info : cal5.70288:1
 Misc Info : 15492
 Comment :
 Method : \\192.168.50.6\chem\50MSS3.i\061014cal8270.b\8270c.m
 Meth Date : 13-Jun-2014 09:19 cmanuputy Quant Type: ISTD
 Cal Date : 10-JUN-2014 11:47 Cal File: 50ppm.d
 Als bottle: 6 Calibration Sample, Level: 5
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: most.sub
 Target Version: 4.14
 Processing Host: 50-SVOA-CEM

Concentration Formula: Amt * DF * Uf * Vt / (Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vt	1000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT	SIG	MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS	
								CAL-AMT	ON-COL
								(ug/ml)	(ug/ml)
1 N-Nitrosodimethylamine	42			2.022	2.021	(0.435)	102564	50.0000	47.48
2 Pyridine	79			2.028	2.028	(0.437)	266957	50.0000	50.56
\$ 3 2-Fluorophenol (S)	112			3.410	3.410	(0.734)	245770	50.0000	48.17
5 Benzaldehyde	77			4.186	4.187	(0.901)	87646	50.0000	44.23
\$ 7 Phenol-d5 (S)	99			4.427	4.428	(0.953)	307923	50.0000	47.96
8 Phenol	94			4.439	4.446	(0.956)	331393	50.0000	48.18
6 bis(2-Chloroethyl)ether	93			4.410	4.410	(0.949)	243186	50.0000	47.45
9 2-Chlorophenol	128			4.492	4.493	(0.967)	296245	50.0000	48.11
10 1,3-Dichlorobenzene	146			4.598	4.604	(0.990)	326918	50.0000	47.14
* 11 1,4-Dichlorobenzene-d4 (IS)	152			4.645	4.646	(1.000)	176210	40.0000	
12 1,4-Dichlorobenzene	146			4.663	4.663	(1.004)	329923	50.0000	47.22
14 Benzyl Alcohol	108			4.869	4.875	(1.048)	172819	50.0000	50.02
13 1,2-Dichlorobenzene	146			4.874	4.875	(1.049)	308174	50.0000	47.05
18 2-Methylphenol	108			5.080	5.087	(1.094)	243741	50.0000	48.25
15 bis(2chlorolmethylethyl) ether	45			5.021	5.028	(1.081)	312929	50.0000	47.25
16 2,2'-Oxybis(1-chloropropane)	45			5.021	5.028	(1.081)	312929	50.0000	47.25
17 bis(2-Chloroisopropyl)ether	45			5.021	5.028	(1.081)	312929	50.0000	47.25
22 3&4-Methylphenol	108			5.292	5.298	(1.139)	263459	50.0000	48.32
19 Acetophenone	105			5.163	5.169	(1.111)	373779	50.0000	47.79
20 N-Nitroso-di-n-propylamine	70			5.204	5.204	(1.120)	173815	50.0000	47.86

Compounds	QUANT	SIG						AMOUNTS	
			MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/ml)	ON-COL (ug/ml)
21 Hexachloroethane	117		5.245	5.246	(1.129)	105664	50.0000	48.06	
\$ 23 Nitrobenzene-d5 (S)	82		5.374	5.381	(0.824)	251895	50.0000	49.20	
24 Nitrobenzene	77		5.398	5.404	(0.828)	248946	50.0000	47.86	
25 Isophorone	82		5.739	5.751	(0.880)	480272	50.0000	48.18	
26 2-Nitrophenol	139		5.898	5.898	(0.904)	163185	50.0000	49.34	
27 2,4-Dimethylphenol	122		6.074	6.081	(0.931)	247568	50.0000	48.86	
31 Benzoic Acid	122		6.392	6.434	(0.980)	155492	50.0000	66.46	
28 bis(2-Chloroethoxy)methane	93		6.174	6.175	(0.947)	296506	50.0000	48.15	
29 2,4-Dichlorophenol	162		6.386	6.387	(0.979)	255852	50.0000	49.46	
30 1,2,4-Trichlorobenzene	180		6.457	6.457	(0.990)	277688	50.0000	48.36	
* 32 Naphthalene-d8 (IS)	136		6.521	6.522	(1.000)	697056	40.0000		
33 Naphthalene	128		6.563	6.563	(1.006)	869568	50.0000	47.87	
35 4-Chloroaniline	127		6.815	6.822	(1.045)	343705	50.0000	51.71	
34 2,6-Dichlorophenol	162		6.815	6.822	(1.045)	246691	50.0000	48.59	
36 Hexachlorobutadiene	225		6.963	6.969	(1.068)	163068	50.0000	48.07	
37 Caprolactam	113		7.545	7.592	(1.157)	87799	50.0000	52.25	
39 4-Chloro-3-methylphenol	107		8.168	8.175	(1.253)	230774	50.0000	49.52	
38 2-Methylnaphthalene	142		8.145	8.151	(1.249)	819176	50.0000	48.58	
40 1-Methylnaphthalene	142		8.368	8.375	(1.283)	597780	50.0000	48.00	
42 Hexachlorocyclopentadiene	237		8.615	8.616	(0.871)	135529	50.0000	46.80	
43 2,4,6-Trichlorophenol	196		8.845	8.845	(0.895)	198285	50.0000	49.53	
45 2,4,5-Trichlorophenol	196		8.951	8.951	(0.905)	207562	50.0000	50.29	
\$ 44 2-Fluorobiphenyl (S)	172		8.927	8.934	(0.903)	671044	50.0000	47.97	
47 Biphenyl (Diphenyl)	154		9.057	9.063	(0.916)	755828	50.0000	47.35	
46 2-Chloronaphthalene	162		9.045	9.045	(0.915)	565486	50.0000	47.90	
49 2-Nitroaniline	65		9.351	9.357	(0.946)	130656	50.0000	50.81	
50 Dimethylphthalate	163		9.662	9.669	(0.977)	632808	50.0000	48.45	
51 Acenaphthylene	152		9.674	9.675	(0.979)	936869	50.0000	47.83	
52 2,6-Dinitrotoluene	165		9.751	9.757	(0.986)	145724	50.0000	51.85	
55 3-Nitroaniline	138		9.951	9.957	(1.007)	151029	50.0000	51.50	
* 53 Acenaphthene-d10 (IS)	164		9.886	9.886	(1.000)	413609	40.0000		
54 Acenaphthene	153		9.927	9.933	(1.004)	587164	50.0000	46.95	
56 2,4-Dinitrophenol	184		10.068	10.069	(1.018)	82431	50.0000	50.00	
59 4-Nitrophenol	109		10.333	10.328	(1.045)	68362	50.0000	51.53	
57 Dibenzofuran	168		10.139	10.139	(1.026)	829717	50.0000	47.14	
58 2,4-Dinitrotoluene	165		10.251	10.257	(1.037)	202804	50.0000	52.28	
60 Diethylphthalate	149		10.556	10.557	(1.068)	610669	50.0000	47.16	
61 Fluorene	166		10.562	10.563	(1.068)	671009	50.0000	47.15	
62 4-Chlorophenyl-phenylether	204		10.586	10.586	(1.071)	336041	50.0000	47.56	
64 4-Nitroaniline	138		10.715	10.728	(1.084)	156559	50.0000	48.36	
63 4,6-Dinitro-2-methylphenol	198		10.727	10.728	(0.924)	131839	50.0000	50.92	
65 N-Nitrosodiphenylamine	169		10.756	10.757	(0.927)	486146	50.0000	47.48	
66 1,2-Diphenylhydrazine	77		10.762	10.769	(0.927)	557355	50.0000	47.64	
\$ 67 2,4,6-Tribromophenol (S)	330		10.892	10.892	(0.939)	118079	50.0000	51.19	
68 4-Bromophenyl-phenylether	248		11.133	11.133	(0.959)	217099	50.0000	48.95	
69 Hexachlorobenzene	284		11.274	11.280	(0.972)	234725	50.0000	48.51	
70 Atrazine	200		11.398	11.404	(0.982)	180745	50.0000	49.23	
71 Pentachlorophenol	266		11.509	11.510	(0.992)	137308	50.0000	49.66	
* 72 Phenanthrene-d10 (IS)	188		11.603	11.604	(1.000)	738474	40.0000		
73 Phenanthrene	178		11.627	11.627	(1.002)	1008623	50.0000	46.90	
74 Anthracene	178		11.668	11.675	(1.006)	1038822	50.0000	48.25	
75 Carbazole	167		11.892	11.892	(1.025)	951265	50.0000	48.29	
76 Di-n-butylphthalate	149		12.286	12.286	(1.059)	1052469	50.0000	48.29	
77 Fluoranthene	202		12.856	12.863	(1.108)	1141754	50.0000	48.21	

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS	
						CAL-AMT (ug/ml)	ON-COL (ug/ml)
78 Benzidine	184	13.033	13.033	(1.123)	215754	50.0000	49.53
79 Pyrene	202	13.080	13.086	(1.127)	1176156	50.0000	47.73
\$ 80 p-Terphenyl-d14 (S)	244	13.256	13.257	(1.142)	775167	50.0000	47.88
81 Butylbenzylphthalate	149	13.780	13.780	(0.959)	471632	50.0000	49.04
82 Benzo(a)anthracene	228	14.350	14.351	(0.999)	1197479	50.0000	48.31
83 3,3'-Dichlorobenzidine	252	14.362	14.368	(1.000)	359915	50.0000	49.39
* 84 Chrysene-d12 (IS)	240	14.368	14.374	(1.000)	894786	40.0000	
85 Chrysene	228	14.397	14.404	(1.002)	1123743	50.0000	47.46
86 bis(2-Ethylhexyl)phthalate	149	14.439	14.439	(1.005)	676656	50.0000	49.58
87 Di-n-octylphthalate	149	15.162	15.168	(0.949)	1157239	50.0000	49.78
88 Benzo(b)fluoranthene	252	15.591	15.598	(0.976)	1289290	50.0000	49.72
89 Benzo(k)fluoranthene	252	15.615	15.621	(0.978)	1345941	50.0000	46.82
90 Benzo(a)pyrene	252	15.915	15.921	(0.996)	1140228	50.0000	48.08
* 91 Perylene-d12 (IS)	264	15.974	15.974	(1.000)	827967	40.0000	
92 Indeno(1,2,3-cd)pyrene	276	16.968	16.974	(1.062)	1408843	50.0000	47.92
93 Dibenz(a,h)anthracene	278	16.974	16.986	(1.063)	1161591	50.0000	47.92
94 Benzo(g,h,i)perylene	276	17.238	17.245	(1.079)	1206116	50.0000	47.66

Client ID:

Sample Info: CAL5.70288;1

Volume Injected (uL): 1.0

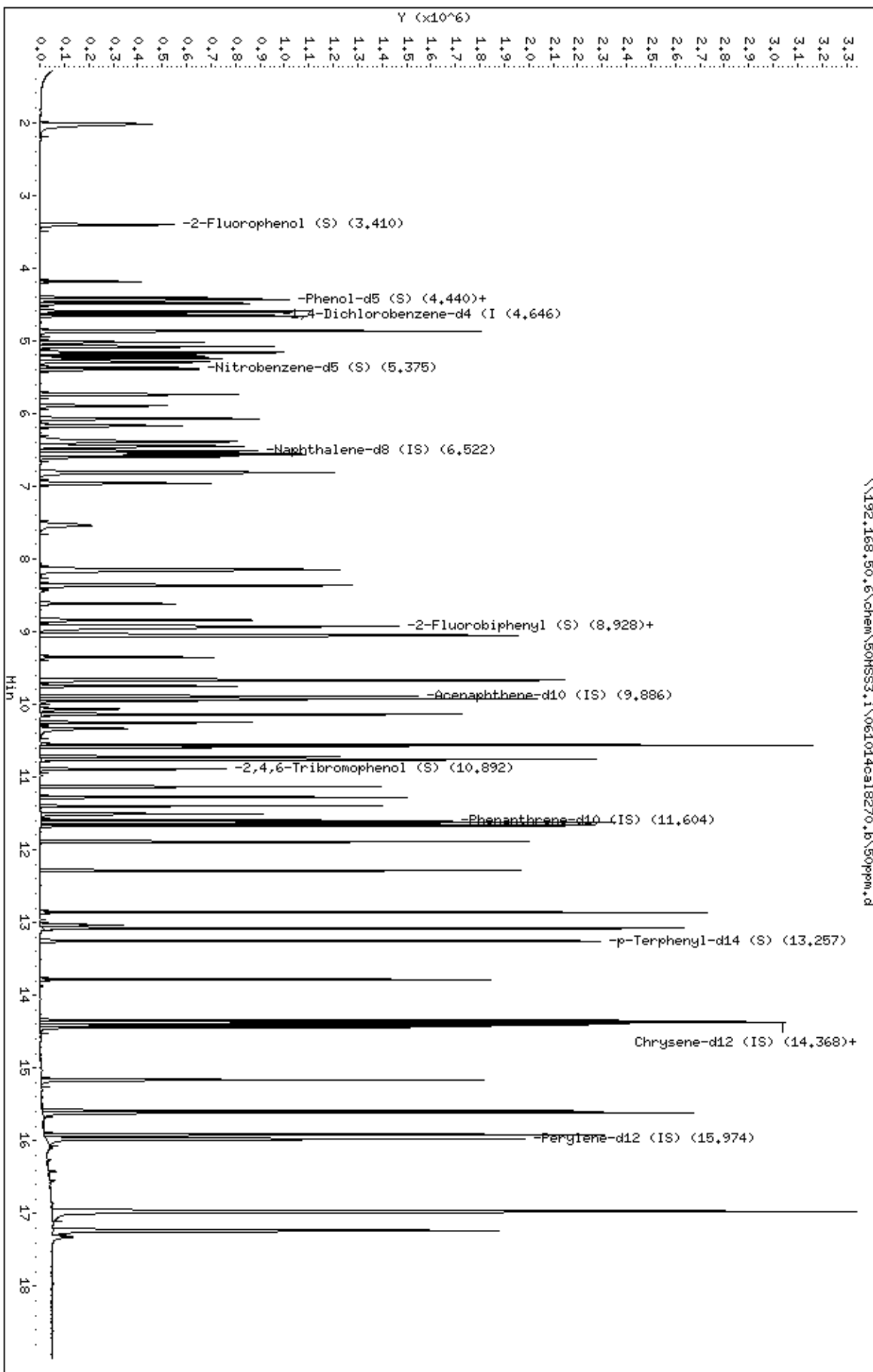
Column phase: 50um DB-5ms

Instrument: 50HSS3.1

Operator: CEH

Column diameter: 0.25

\\192.168.50.6\chem\50HSS3.1\061014ca18270.b\50ppm.d



Pace Analytical Services, Inc.

Semivolatile REPORT SW-846 Method 8270/EPA 625

Data file : \\192.168.50.6\chem\50MSS3.i\061014cal8270.b\100ppm.d
 Lab Smp Id: CAL6,70289:1
 Inj Date : 10-JUN-2014 12:11
 Operator : CEM Inst ID: 50MSS3.i
 Smp Info : cal6,70289:1
 Misc Info : 15492
 Comment :
 Method : \\192.168.50.6\chem\50MSS3.i\061014cal8270.b\8270c.m
 Meth Date : 13-Jun-2014 09:19 cmanuputy Quant Type: ISTD
 Cal Date : 10-JUN-2014 11:24 Cal File: 20ppm.d
 Als bottle: 7 Calibration Sample, Level: 6
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: most.sub
 Target Version: 4.14
 Processing Host: 50-SVOA-CEM

Concentration Formula: Amt * DF * Uf * Vt / (Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vt	1000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT	SIG	MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS	
								CAL-AMT	ON-COL
								(ug/ml)	(ug/ml)
1 N-Nitrosodimethylamine	42			2.022	2.021	(0.435)	211252	100.000	100.3 (H)
2 Pyridine	79			2.028	2.028	(0.437)	554887	100.000	105.2
\$ 3 2-Fluorophenol (S)	112			3.410	3.410	(0.734)	513383	100.000	102.4
5 Benzaldehyde	77			4.186	4.187	(0.901)	214237	100.000	96.11
\$ 7 Phenol-d5 (S)	99			4.427	4.428	(0.953)	637161	100.000	102.2
8 Phenol	94			4.445	4.446	(0.957)	677673	100.000	102.0
6 bis(2-Chloroethyl)ether	93			4.410	4.410	(0.949)	502088	100.000	101.0
9 2-Chlorophenol	128			4.492	4.493	(0.967)	607289	100.000	101.3
10 1,3-Dichlorobenzene	146			4.604	4.604	(0.991)	675839	100.000	100.9
* 11 1,4-Dichlorobenzene-d4 (IS)	152			4.645	4.646	(1.000)	174502	40.0000	
12 1,4-Dichlorobenzene	146			4.663	4.663	(1.004)	677128	100.000	100.6
14 Benzyl Alcohol	108			4.874	4.875	(1.049)	350756	100.000	103.0
13 1,2-Dichlorobenzene	146			4.874	4.875	(1.049)	618045	100.000	99.26
18 2-Methylphenol	108			5.086	5.087	(1.095)	501866	100.000	102.2
15 bis(2chlorolmethylethyl) ether	45			5.027	5.028	(1.082)	640778	100.000	100.9
16 2,2'-Oxybis(1-chloropropane)	45			5.027	5.028	(1.082)	640778	100.000	100.9
17 bis(2-Chloroisopropyl)ether	45			5.027	5.028	(1.082)	640778	100.000	100.9
22 3&4-Methylphenol	108			5.298	5.298	(1.141)	545974	100.000	101.4
19 Acetophenone	105			5.169	5.169	(1.113)	773074	100.000	101.6
20 N-Nitroso-di-n-propylamine	70			5.204	5.204	(1.120)	361589	100.000	101.5

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS	
						CAL-AMT (ug/ml)	ON-COL (ug/ml)
21 Hexachloroethane	117	5.245	5.246	(1.129)	221611	100.000	102.3
\$ 23 Nitrobenzene-d5 (S)	82	5.380	5.381	(0.825)	528081	100.000	102.5
24 Nitrobenzene	77	5.404	5.404	(0.829)	528097	100.000	101.8
25 Isophorone	82	5.751	5.751	(0.882)	1000710	100.000	101.1 (H)
26 2-Nitrophenol	139	5.898	5.898	(0.904)	350167	100.000	103.7
27 2,4-Dimethylphenol	122	6.080	6.081	(0.932)	518529	100.000	102.2
31 Benzoic Acid	122	6.433	6.434	(0.986)	300935	100.000	103.8
28 bis(2-Chloroethoxy)methane	93	6.174	6.175	(0.947)	617192	100.000	101.0
29 2,4-Dichlorophenol	162	6.386	6.387	(0.979)	535583	100.000	102.7
30 1,2,4-Trichlorobenzene	180	6.457	6.457	(0.990)	570120	100.000	100.6
* 32 Naphthalene-d8 (IS)	136	6.521	6.522	(1.000)	705814	40.0000	
33 Naphthalene	128	6.563	6.563	(1.006)	1783585	100.000	99.82
35 4-Chloroaniline	127	6.821	6.822	(1.046)	703251	100.000	106.1
34 2,6-Dichlorophenol	162	6.821	6.822	(1.046)	509175	100.000	101.0
36 Hexachlorobutadiene	225	6.968	6.969	(1.069)	339963	100.000	100.6
37 Caprolactam	113	7.592	7.592	(1.164)	188183	100.000	108.0
39 4-Chloro-3-methylphenol	107	8.174	8.175	(1.253)	485560	100.000	103.1
38 2-Methylnaphthalene	142	8.151	8.151	(1.250)	1683209	100.000	100.9
40 1-Methylnaphthalene	142	8.374	8.375	(1.284)	1230530	100.000	100.6
42 Hexachlorocyclopentadiene	237	8.615	8.616	(0.871)	322750	100.000	100.6
43 2,4,6-Trichlorophenol	196	8.845	8.845	(0.895)	419480	100.000	105.3
45 2,4,5-Trichlorophenol	196	8.951	8.951	(0.905)	427439	100.000	104.0
\$ 44 2-Fluorobiphenyl (S)	172	8.933	8.934	(0.904)	1355059	100.000	100.8
47 Biphenyl (Diphenyl)	154	9.062	9.063	(0.917)	1521505	100.000	99.97
46 2-Chloronaphthalene	162	9.045	9.045	(0.915)	1134151	100.000	100.4
49 2-Nitroaniline	65	9.357	9.357	(0.946)	272068	100.000	104.6
50 Dimethylphthalate	163	9.668	9.669	(0.978)	1262508	100.000	99.54
51 Acenaphthylene	152	9.674	9.675	(0.979)	1877134	100.000	100.7
52 2,6-Dinitrotoluene	165	9.757	9.757	(0.987)	310891	100.000	107.9
55 3-Nitroaniline	138	9.957	9.957	(1.007)	333716	100.000	110.5
* 53 Acenaphthene-d10 (IS)	164	9.886	9.886	(1.000)	414422	40.0000	
54 Acenaphthene	153	9.933	9.933	(1.005)	1192018	100.000	100.1
56 2,4-Dinitrophenol	184	10.068	10.069	(1.018)	209148	100.000	99.85
59 4-Nitrophenol	109	10.327	10.328	(1.045)	151951	100.000	108.9
57 Dibenzofuran	168	10.139	10.139	(1.026)	1673285	100.000	99.28
58 2,4-Dinitrotoluene	165	10.256	10.257	(1.037)	429665	100.000	108.5
60 Diethylphthalate	149	10.556	10.557	(1.068)	1189044	100.000	98.51
61 Fluorene	166	10.562	10.563	(1.068)	1295685	100.000	98.24
62 4-Chlorophenyl-phenylether	204	10.586	10.586	(1.071)	672769	100.000	98.87
64 4-Nitroaniline	138	10.727	10.728	(1.085)	328108	100.000	103.2
63 4,6-Dinitro-2-methylphenol	198	10.727	10.728	(0.924)	285498	100.000	105.5
65 N-Nitrosodiphenylamine	169	10.756	10.757	(0.927)	978662	100.000	100.7
66 1,2-Diphenylhydrazine	77	10.768	10.769	(0.928)	1111230	100.000	99.23
\$ 67 2,4,6-Tribromophenol (S)	330	10.892	10.892	(0.939)	244191	100.000	104.3
68 4-Bromophenyl-phenylether	248	11.133	11.133	(0.959)	436646	100.000	100.7
69 Hexachlorobenzene	284	11.280	11.280	(0.972)	467936	100.000	99.34
70 Atrazine	200	11.403	11.404	(0.983)	366010	100.000	103.1
71 Pentachlorophenol	266	11.509	11.510	(0.992)	306956	100.000	106.6
* 72 Phenanthrene-d10 (IS)	188	11.603	11.604	(1.000)	745005	40.0000	
73 Phenanthrene	178	11.627	11.627	(1.002)	2026155	100.000	98.87
74 Anthracene	178	11.674	11.675	(1.006)	2048817	100.000	99.56
75 Carbazole	167	11.892	11.892	(1.025)	1884618	100.000	99.39
76 Di-n-butylphthalate	149	12.286	12.286	(1.059)	2134824	100.000	101.4
77 Fluoranthene	202	12.862	12.863	(1.108)	2260989	100.000	99.71

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS	
						CAL-AMT (ug/ml)	ON-COL (ug/ml)
78 Benzidine	184	13.033	13.033	(1.123)	519237	100.000	108.7
79 Pyrene	202	13.086	13.086	(1.128)	2316625	100.000	98.54
\$ 80 p-Terphenyl-d14 (S)	244	13.256	13.257	(1.142)	1553418	100.000	100.1
81 Butylbenzylphthalate	149	13.780	13.780	(0.959)	964131	100.000	103.8
82 Benzo(a)anthracene	228	14.350	14.351	(0.998)	2381363	100.000	101.8
83 3,3'-Dichlorobenzidine	252	14.368	14.368	(1.000)	725832	100.000	104.9
* 84 Chrysene-d12 (IS)	240	14.374	14.374	(1.000)	872507	40.0000	
85 Chrysene	228	14.403	14.404	(1.002)	2229206	100.000	99.91
86 bis(2-Ethylhexyl)phthalate	149	14.439	14.439	(1.004)	1372786	100.000	103.9
87 Di-n-octylphthalate	149	15.168	15.168	(0.950)	2385523	100.000	104.9
88 Benzo(b)fluoranthene	252	15.597	15.598	(0.976)	2667797	100.000	107.2
89 Benzo(k)fluoranthene	252	15.621	15.621	(0.978)	2519129	100.000	92.66
90 Benzo(a)pyrene	252	15.921	15.921	(0.997)	2357125	100.000	102.9
* 91 Perylene-d12 (IS)	264	15.974	15.974	(1.000)	827840	40.0000	
92 Indeno(1,2,3-cd)pyrene	276	16.974	16.974	(1.063)	2843569	100.000	100.4
93 Dibenz(a,h)anthracene	278	16.985	16.986	(1.063)	2328498	100.000	100.8
94 Benzo(g,h,i)perylene	276	17.244	17.245	(1.080)	2471762	100.000	100.8

QC Flag Legend

H - Operator selected an alternate compound hit.

Client ID:

Sample Info: C06,70289;1

Volume Injected (uL): 1.0

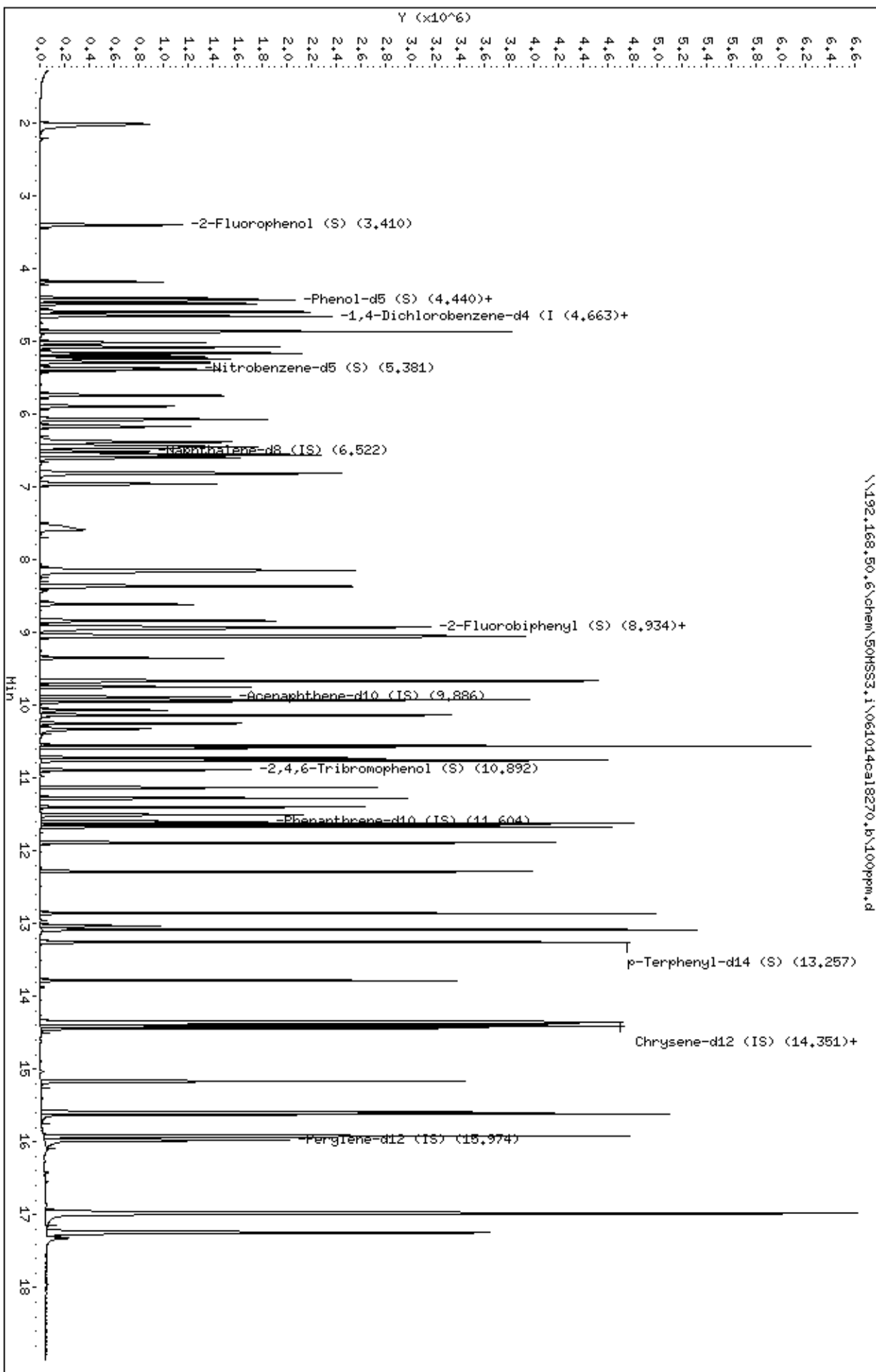
Column phase: 50um DB-5ms

Instrument: 50HSS3.1

Operator: CEH

Column diameter: 0.25

\\192.168.50.6\chem\50HSS3.1\061014ca18270.b\100ppm.d



Pace Analytical Services, Inc.

Semivolatile REPORT SW-846 Method 8270/EPA 625

Data file : \\192.168.50.6\chem\50MSS3.i\061014cal8270.b\150ppm.d
 Lab Smp Id: CAL7,70290:1
 Inj Date : 10-JUN-2014 12:34
 Operator : CEM Inst ID: 50MSS3.i
 Smp Info : cal7,70290:1
 Misc Info : 15492
 Comment :
 Method : \\192.168.50.6\chem\50MSS3.i\061014cal8270.b\8270c.m
 Meth Date : 13-Jun-2014 09:19 cmanuputy Quant Type: ISTD
 Cal Date : 10-JUN-2014 12:34 Cal File: 150ppm.d
 Als bottle: 8 Calibration Sample, Level: 7
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: most.sub
 Target Version: 4.14
 Processing Host: 50-SVOA-CEM

Concentration Formula: Amt * DF * Uf * Vt / (Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vt	1000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT	SIG	MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS	
								CAL-AMT	ON-COL
								(ug/ml)	(ug/ml)
1 N-Nitrosodimethylamine	42			2.022	2.021	(0.436)	314033	150.000	147.9
2 Pyridine	79			2.027	2.028	(0.437)	818102	150.000	155.9
\$ 3 2-Fluorophenol (S)	112			3.404	3.410	(0.734)	755297	150.000	150.1
5 Benzaldehyde	77			4.186	4.187	(0.902)	342153	150.000	153.6
\$ 7 Phenol-d5 (S)	99			4.427	4.428	(0.954)	922464	150.000	146.4
8 Phenol	94			4.439	4.446	(0.957)	973441	150.000	144.6
6 bis(2-Chloroethyl)ether	93			4.410	4.410	(0.951)	733736	150.000	146.0
9 2-Chlorophenol	128			4.486	4.493	(0.967)	895839	150.000	148.0
10 1,3-Dichlorobenzene	146			4.598	4.604	(0.991)	983156	150.000	144.8
* 11 1,4-Dichlorobenzene-d4 (IS)	152			4.639	4.646	(1.000)	173724	40.0000	
12 1,4-Dichlorobenzene	146			4.663	4.663	(1.005)	986597	150.000	144.3
14 Benzyl Alcohol	108			4.874	4.875	(1.051)	520235	150.000	152.3
13 1,2-Dichlorobenzene	146			4.868	4.875	(1.049)	890667	150.000	139.8
18 2-Methylphenol	108			5.080	5.087	(1.095)	733988	150.000	147.8
15 bis(2chlorolmethylethyl) ether	45			5.021	5.028	(1.082)	924752	150.000	143.0
16 2,2'-Oxybis(1-chloropropane)	45			5.021	5.028	(1.082)	924752	150.000	143.0
17 bis(2-Chloroisopropyl)ether	45			5.021	5.028	(1.082)	924752	150.000	143.0
22 3&4-Methylphenol	108			5.298	5.298	(1.142)	816733	150.000	151.6
19 Acetophenone	105			5.168	5.169	(1.114)	1130909	150.000	147.2
20 N-Nitroso-di-n-propylamine	70			5.210	5.204	(1.123)	537127	150.000	150.0

Compounds	QUANT	SIG						AMOUNTS	
			MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/ml)	ON-COL (ug/ml)
21 Hexachloroethane	117		5.245	5.246	(1.131)	329204	150.000	151.6	
\$ 23 Nitrobenzene-d5 (S)	82		5.380	5.381	(0.825)	780805	150.000	150.8	
24 Nitrobenzene	77		5.404	5.404	(0.829)	775380	150.000	148.0	
25 Isophorone	82		5.757	5.751	(0.883)	1472744	150.000	146.9	
26 2-Nitrophenol	139		5.898	5.898	(0.904)	521537	150.000	154.9	
27 2,4-Dimethylphenol	122		6.080	6.081	(0.932)	768344	150.000	150.1	
31 Benzoic Acid	122		6.462	6.434	(0.991)	472549	150.000	187.5	
28 bis(2-Chloroethoxy)methane	93		6.174	6.175	(0.947)	908967	150.000	146.8	
29 2,4-Dichlorophenol	162		6.386	6.387	(0.979)	798897	150.000	152.4	
30 1,2,4-Trichlorobenzene	180		6.457	6.457	(0.990)	834969	150.000	145.0	
* 32 Naphthalene-d8 (IS)	136		6.521	6.522	(1.000)	703861	40.0000		
33 Naphthalene	128		6.562	6.563	(1.006)	2618763	150.000	143.9	
35 4-Chloroaniline	127		6.821	6.822	(1.046)	1018942	150.000	151.5	
34 2,6-Dichlorophenol	162		6.815	6.822	(1.045)	754647	150.000	147.7	
36 Hexachlorobutadiene	225		6.962	6.969	(1.068)	505323	150.000	147.9	
37 Caprolactam	113		7.633	7.592	(1.170)	280666	150.000	162.6	
39 4-Chloro-3-methylphenol	107		8.174	8.175	(1.253)	720917	150.000	152.6	
38 2-Methylnaphthalene	142		8.151	8.151	(1.250)	2473779	150.000	146.0	
40 1-Methylnaphthalene	142		8.374	8.375	(1.284)	1791979	150.000	143.7	
42 Hexachlorocyclopentadiene	237		8.615	8.616	(0.871)	508797	150.000	151.8	
43 2,4,6-Trichlorophenol	196		8.845	8.845	(0.895)	608384	150.000	152.0	
45 2,4,5-Trichlorophenol	196		8.951	8.951	(0.905)	629750	150.000	152.5	
\$ 44 2-Fluorobiphenyl (S)	172		8.933	8.934	(0.904)	1950836	150.000	141.5	
47 Biphenyl (Diphenyl)	154		9.062	9.063	(0.917)	2208887	150.000	140.6	
46 2-Chloronaphthalene	162		9.051	9.045	(0.915)	1638307	150.000	140.9	
49 2-Nitroaniline	65		9.356	9.357	(0.946)	408291	150.000	157.6	
50 Dimethylphthalate	163		9.668	9.669	(0.978)	1813450	150.000	141.8	
51 Acenaphthylene	152		9.674	9.675	(0.979)	2698417	150.000	140.0	
52 2,6-Dinitrotoluene	165		9.756	9.757	(0.987)	463599	150.000	162.7	
55 3-Nitroaniline	138		9.962	9.957	(1.008)	492266	150.000	165.0	
* 53 Acenaphthene-d10 (IS)	164		9.886	9.886	(1.000)	412331	40.0000		
54 Acenaphthene	153		9.933	9.933	(1.005)	1699896	150.000	138.4	
56 2,4-Dinitrophenol	184		10.074	10.069	(1.019)	337690	150.000	150.2	
59 4-Nitrophenol	109		10.327	10.328	(1.045)	225741	150.000	166.1	
57 Dibenzofuran	168		10.145	10.139	(1.026)	2441934	150.000	140.8	
58 2,4-Dinitrotoluene	165		10.256	10.257	(1.037)	632438	150.000	161.1	
60 Diethylphthalate	149		10.562	10.557	(1.068)	1679652	150.000	133.1	
61 Fluorene	166		10.568	10.563	(1.069)	1826998	150.000	131.9	
62 4-Chlorophenyl-phenylether	204		10.592	10.586	(1.071)	995563	150.000	142.7	
64 4-Nitroaniline	138		10.733	10.728	(1.086)	475974	150.000	148.0	
63 4,6-Dinitro-2-methylphenol	198		10.733	10.728	(0.925)	429422	150.000	160.6	
65 N-Nitrosodiphenylamine	169		10.762	10.757	(0.927)	1367748	150.000	135.1	
66 1,2-Diphenylhydrazine	77		10.768	10.769	(0.928)	1593417	150.000	137.3	
\$ 67 2,4,6-Tribromophenol (S)	330		10.892	10.892	(0.939)	367256	150.000	156.5	
68 4-Bromophenyl-phenylether	248		11.139	11.133	(0.960)	638866	150.000	144.0	
69 Hexachlorobenzene	284		11.280	11.280	(0.972)	692664	150.000	143.2	
70 Atrazine	200		11.409	11.404	(0.983)	525075	150.000	143.1	
71 Pentachlorophenol	266		11.515	11.510	(0.992)	455565	150.000	159.8	
* 72 Phenanthrene-d10 (IS)	188		11.603	11.604	(1.000)	744837	40.0000		
73 Phenanthrene	178		11.633	11.627	(1.003)	2870307	150.000	135.0	
74 Anthracene	178		11.680	11.675	(1.007)	2929344	150.000	137.2	
75 Carbazole	167		11.892	11.892	(1.025)	2716500	150.000	138.8	
76 Di-n-butylphthalate	149		12.286	12.286	(1.059)	3041333	150.000	140.2	
77 Fluoranthene	202		12.862	12.863	(1.108)	3239854	150.000	137.8	

Compounds	QUANT SIG		AMOUNTS				
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/ml)	ON-COL (ug/ml)
78 Benzidine	184	13.033	13.033	(1.123)	820199	150.000	175.9
79 Pyrene	202	13.086	13.086	(1.128)	3328214	150.000	136.4
\$ 80 p-Terphenyl-d14 (S)	244	13.256	13.257	(1.142)	2207232	150.000	137.4
81 Butylbenzylphthalate	149	13.786	13.780	(0.959)	1393530	150.000	152.1
82 Benzo(a)anthracene	228	14.356	14.351	(0.999)	3372582	150.000	144.3
83 3,3'-Dichlorobenzidine	252	14.368	14.368	(1.000)	1008749	150.000	146.4
* 84 Chrysene-d12 (IS)	240	14.374	14.374	(1.000)	849893	40.0000	
85 Chrysene	228	14.409	14.404	(1.002)	3212774	150.000	144.0
86 bis(2-Ethylhexyl)phthalate	149	14.444	14.439	(1.005)	1980578	150.000	152.3
87 Di-n-octylphthalate	149	15.168	15.168	(0.949)	3404776	150.000	149.1
88 Benzo(b)fluoranthene	252	15.597	15.598	(0.976)	3471892	150.000	138.3
89 Benzo(k)fluoranthene	252	15.627	15.621	(0.978)	3999086	150.000	142.8
90 Benzo(a)pyrene	252	15.927	15.921	(0.997)	3370281	150.000	145.4
* 91 Perylene-d12 (IS)	264	15.979	15.974	(1.000)	814020	40.0000	
92 Indeno(1,2,3-cd)pyrene	276	16.979	16.974	(1.063)	4108862	150.000	143.4
93 Dibenz(a,h)anthracene	278	16.991	16.986	(1.063)	3312283	150.000	140.7
94 Benzo(g,h,i)perylene	276	17.256	17.245	(1.080)	3591517	150.000	145.3

Client ID:

Sample Info: CAL7,70290:1

Volume Injected (uL): 1.0

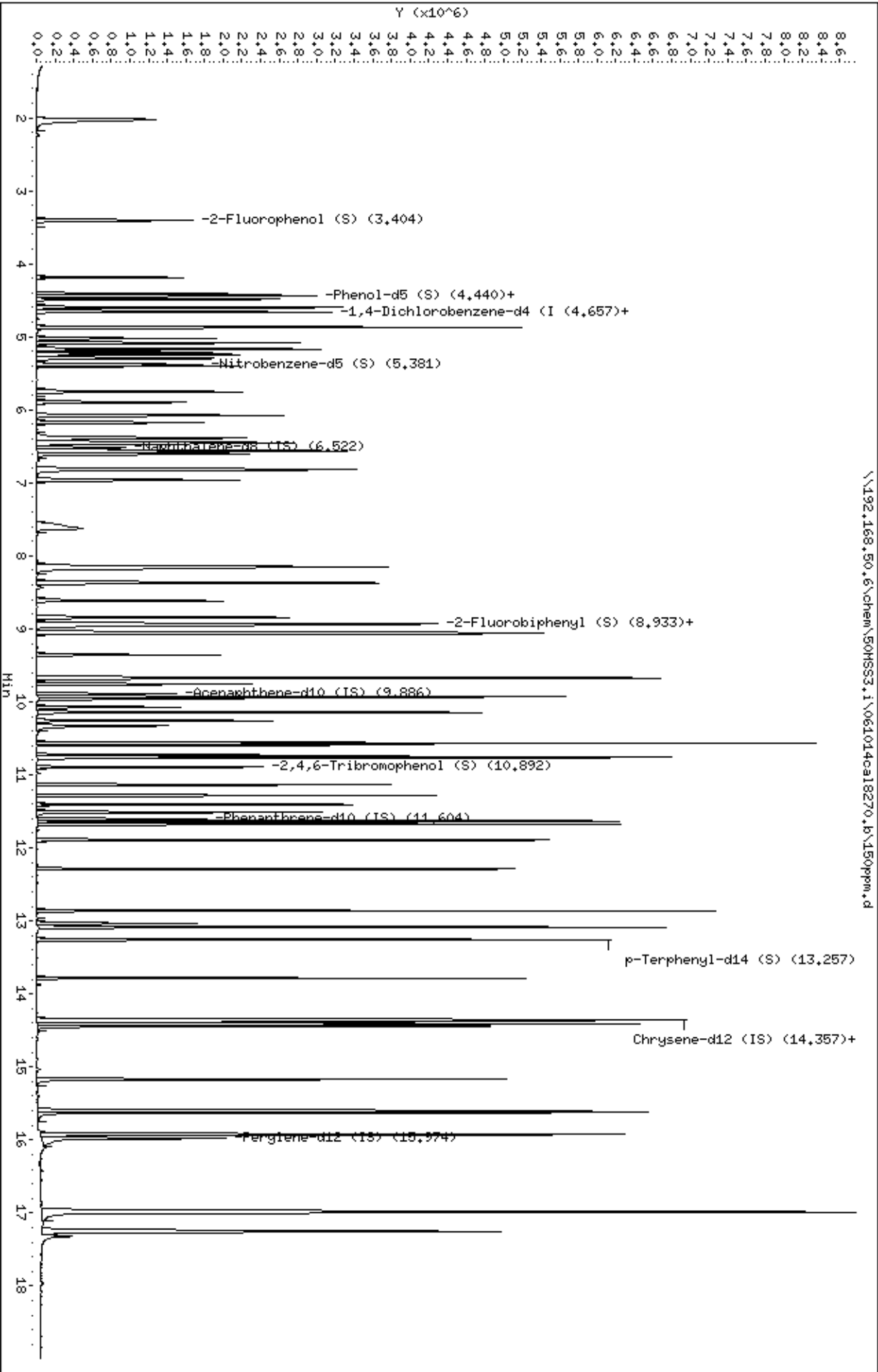
Column phase: 50um DB-5ms

Instrument: 50HSS3.1

Operator: CEH

Column diameter: 0.25

\\192.168.50.6\chem\50HSS3.1\061014ca18270.b\150ppm.d



Pace Analytical Services, Inc.

Semivolatile REPORT SW-846 Method 8270/EPA 625

Data file : \\192.168.50.6\chem\50MSS3.i\061014cal8270.b\175ppm.d
 Lab Smp Id: CAL8,70291:1
 Inj Date : 10-JUN-2014 12:58
 Operator : CEM Inst ID: 50MSS3.i
 Smp Info : cal8,70291:1
 Misc Info : 15492
 Comment :
 Method : \\192.168.50.6\chem\50MSS3.i\061014cal8270.b\8270c.m
 Meth Date : 13-Jun-2014 09:19 cmanuputy Quant Type: ISTD
 Cal Date : 10-JUN-2014 12:58 Cal File: 175ppm.d
 Als bottle: 9 Calibration Sample, Level: 8
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: most.sub
 Target Version: 4.14
 Processing Host: 50-SVOA-CEM

Concentration Formula: Amt * DF * Uf * Vt / (Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vt	1000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)
Cpnd Variable		Local Compound Variable

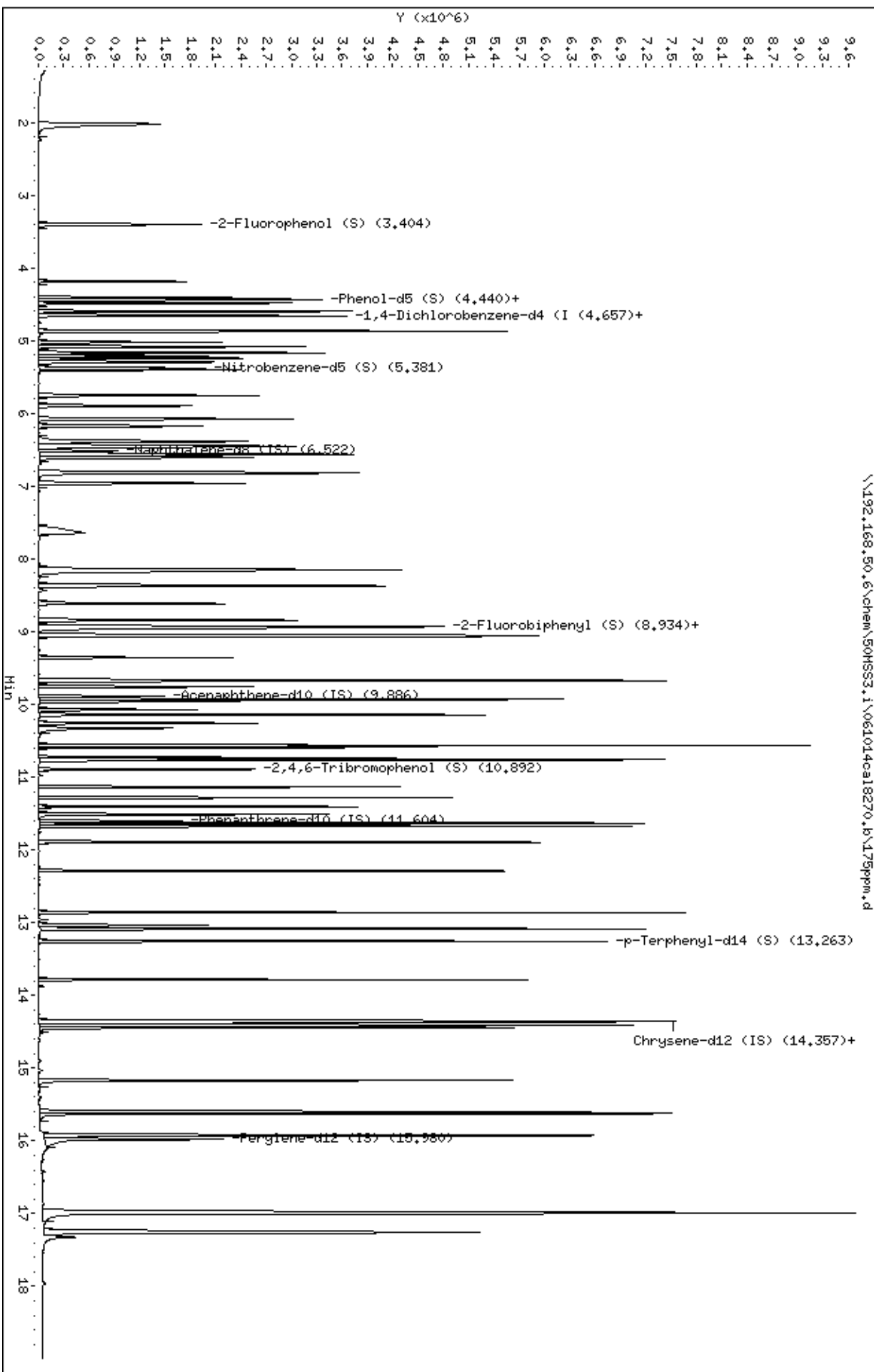
Compounds	QUANT	SIG	MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS	
								CAL-AMT (ug/ml)	ON-COL (ug/ml)
1 N-Nitrosodimethylamine	42			2.022	2.021	(0.436)	355853	175.000	171.0
2 Pyridine	79			2.028	2.028	(0.437)	928091	175.000	179.2
\$ 3 2-Fluorophenol (S)	112			3.404	3.410	(0.734)	858762	175.000	173.8
5 Benzaldehyde	77			4.186	4.187	(0.902)	386625	175.000	175.3
\$ 7 Phenol-d5 (S)	99			4.427	4.428	(0.954)	1042838	175.000	169.3
8 Phenol	94			4.439	4.446	(0.957)	1096228	175.000	166.9
6 bis(2-Chloroethyl)ether	93			4.410	4.410	(0.951)	824942	175.000	168.0
9 2-Chlorophenol	128			4.486	4.493	(0.967)	1008933	175.000	170.2
10 1,3-Dichlorobenzene	146			4.598	4.604	(0.991)	1114705	175.000	168.1
* 11 1,4-Dichlorobenzene-d4 (IS)	152			4.639	4.646	(1.000)	170810	40.0000	
12 1,4-Dichlorobenzene	146			4.657	4.663	(1.004)	1113873	175.000	167.0
14 Benzyl Alcohol	108			4.874	4.875	(1.051)	577415	175.000	172.3
13 1,2-Dichlorobenzene	146			4.869	4.875	(1.049)	1011610	175.000	163.3
18 2-Methylphenol	108			5.086	5.087	(1.096)	820427	175.000	169.0
15 bis(2chlorolmethylethyl) ether	45			5.022	5.028	(1.082)	1042890	175.000	165.4
16 2,2'-Oxybis(1-chloropropane)	45			5.022	5.028	(1.082)	1042890	175.000	165.4
17 bis(2-Chloroisopropyl)ether	45			5.022	5.028	(1.082)	1042890	175.000	165.4
22 3&4-Methylphenol	108			5.298	5.298	(1.142)	926238	175.000	174.9
19 Acetophenone	105			5.169	5.169	(1.114)	1275766	175.000	169.7
20 N-Nitroso-di-n-propylamine	70			5.210	5.204	(1.123)	605971	175.000	172.5

Compounds	QUANT	SIG						AMOUNTS	
			MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/ml)	ON-COL (ug/ml)
21 Hexachloroethane	117		5.245	5.246	(1.131)	373295	175.000	174.8	
\$ 23 Nitrobenzene-d5 (S)	82		5.380	5.381	(0.825)	892988	175.000	177.4	
24 Nitrobenzene	77		5.404	5.404	(0.829)	881723	175.000	173.7	
25 Isophorone	82		5.757	5.751	(0.883)	1668457	175.000	172.0	
26 2-Nitrophenol	139		5.898	5.898	(0.904)	596390	175.000	181.2	
27 2,4-Dimethylphenol	122		6.080	6.081	(0.932)	867203	175.000	174.7	
31 Benzoic Acid	122		6.474	6.434	(0.993)	540254	175.000	211.7	
28 bis(2-Chloroethoxy)methane	93		6.174	6.175	(0.947)	1026352	175.000	171.4	
29 2,4-Dichlorophenol	162		6.386	6.387	(0.979)	900374	175.000	176.7	
30 1,2,4-Trichlorobenzene	180		6.457	6.457	(0.990)	945228	175.000	169.9	
* 32 Naphthalene-d8 (IS)	136		6.521	6.522	(1.000)	683052	40.0000		
33 Naphthalene	128		6.563	6.563	(1.006)	2967302	175.000	169.0	
35 4-Chloroaniline	127		6.821	6.822	(1.046)	1135235	175.000	174.1	
34 2,6-Dichlorophenol	162		6.816	6.822	(1.045)	843053	175.000	170.7	
36 Hexachlorobutadiene	225		6.963	6.969	(1.068)	572038	175.000	172.9	
37 Caprolactam	113		7.645	7.592	(1.172)	314605	175.000	185.9	
39 4-Chloro-3-methylphenol	107		8.174	8.175	(1.253)	819029	175.000	178.2	
38 2-Methylnaphthalene	142		8.151	8.151	(1.250)	2792483	175.000	170.6	
40 1-Methylnaphthalene	142		8.374	8.375	(1.284)	2026552	175.000	168.5	
42 Hexachlorocyclopentadiene	237		8.615	8.616	(0.871)	586231	175.000	175.5	
43 2,4,6-Trichlorophenol	196		8.845	8.845	(0.895)	691603	175.000	175.3	
45 2,4,5-Trichlorophenol	196		8.951	8.951	(0.905)	712751	175.000	175.1	
\$ 44 2-Fluorobiphenyl (S)	172		8.933	8.934	(0.904)	2191238	175.000	163.0	
47 Biphenyl (Diphenyl)	154		9.062	9.063	(0.917)	2418010	175.000	158.5	
46 2-Chloronaphthalene	162		9.051	9.045	(0.916)	1819525	175.000	160.9	
49 2-Nitroaniline	65		9.362	9.357	(0.947)	463823	175.000	180.7	
50 Dimethylphthalate	163		9.668	9.669	(0.978)	2020049	175.000	163.0	
51 Acenaphthylene	152		9.680	9.675	(0.979)	2969638	175.000	158.8	
52 2,6-Dinitrotoluene	165		9.762	9.757	(0.988)	519731	175.000	183.5	
55 3-Nitroaniline	138		9.962	9.957	(1.008)	555832	175.000	186.9	
* 53 Acenaphthene-d10 (IS)	164		9.886	9.886	(1.000)	406450	40.0000		
54 Acenaphthene	153		9.933	9.933	(1.005)	1918121	175.000	160.6	
56 2,4-Dinitrophenol	184		10.074	10.069	(1.019)	390754	175.000	174.3	
59 4-Nitrophenol	109		10.327	10.328	(1.045)	262328	175.000	192.0	
57 Dibenzofuran	168		10.145	10.139	(1.026)	2720410	175.000	161.3	
58 2,4-Dinitrotoluene	165		10.262	10.257	(1.038)	716265	175.000	183.6	
60 Diethylphthalate	149		10.562	10.557	(1.068)	1847454	175.000	151.8	
61 Fluorene	166		10.568	10.563	(1.069)	1986103	175.000	149.0	
62 4-Chlorophenyl-phenylether	204		10.592	10.586	(1.071)	1107929	175.000	163.0	
64 4-Nitroaniline	138		10.733	10.728	(1.086)	548424	175.000	173.3	
63 4,6-Dinitro-2-methylphenol	198		10.739	10.728	(0.925)	490363	175.000	186.8	
65 N-Nitrosodiphenylamine	169		10.762	10.757	(0.927)	1521051	175.000	158.2	
66 1,2-Diphenylhydrazine	77		10.768	10.769	(0.928)	1775099	175.000	160.7	
\$ 67 2,4,6-Tribromophenol (S)	330		10.898	10.892	(0.939)	415212	175.000	182.1	
68 4-Bromophenyl-phenylether	248		11.139	11.133	(0.960)	717224	175.000	168.5	
69 Hexachlorobenzene	284		11.280	11.280	(0.972)	767554	175.000	165.9	
70 Atrazine	200		11.409	11.404	(0.983)	583793	175.000	166.3	
71 Pentachlorophenol	266		11.515	11.510	(0.992)	519986	175.000	186.0	
* 72 Phenanthrene-d10 (IS)	188		11.603	11.604	(1.000)	718718	40.0000		
73 Phenanthrene	178		11.633	11.627	(1.003)	3258420	175.000	160.9	
74 Anthracene	178		11.680	11.675	(1.007)	3287061	175.000	161.6	
75 Carbazole	167		11.898	11.892	(1.025)	3044584	175.000	163.0	
76 Di-n-butylphthalate	149		12.292	12.286	(1.059)	3414920	175.000	164.7	
77 Fluoranthene	202		12.862	12.863	(1.108)	3620490	175.000	161.6	

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS	
						CAL-AMT (ug/ml)	ON-COL (ug/ml)
78 Benzidine	184	13.033	13.033	(1.123)	893973	175.000	193.5
79 Pyrene	202	13.092	13.086	(1.128)	3728301	175.000	160.5
\$ 80 p-Terphenyl-d14 (S)	244	13.262	13.257	(1.143)	2474381	175.000	161.7
81 Butylbenzylphthalate	149	13.786	13.780	(0.959)	1564899	175.000	176.1
82 Benzo(a)anthracene	228	14.356	14.351	(0.999)	3793475	175.000	168.6
83 3,3'-Dichlorobenzidine	252	14.374	14.368	(1.000)	1119419	175.000	168.8
* 84 Chrysene-d12 (IS)	240	14.374	14.374	(1.000)	823311	40.0000	
85 Chrysene	228	14.409	14.404	(1.002)	3600439	175.000	167.7
86 bis(2-Ethylhexyl)phthalate	149	14.444	14.439	(1.005)	2239478	175.000	177.4
87 Di-n-octylphthalate	149	15.168	15.168	(0.949)	3827342	175.000	169.5
88 Benzo(b)fluoranthene	252	15.603	15.598	(0.976)	4213783	175.000	169.7
89 Benzo(k)fluoranthene	252	15.627	15.621	(0.978)	4151903	175.000	152.4
90 Benzo(a)pyrene	252	15.933	15.921	(0.997)	3756567	175.000	164.7
* 91 Perylene-d12 (IS)	264	15.980	15.974	(1.000)	809242	40.0000	
92 Indeno(1,2,3-cd)pyrene	276	16.985	16.974	(1.063)	4646524	175.000	164.7
93 Dibenz(a,h)anthracene	278	16.997	16.986	(1.064)	3707803	175.000	160.6
94 Benzo(g,h,i)perylene	276	17.262	17.245	(1.080)	4065311	175.000	166.7

Client ID:
Sample Info: CQL8,70291:1
Volume Injected (uL): 1.0
Column phase: 50um DB-5ms

Operator: CEH
Column diameter: 0.25



Pace Analytical Services, Inc.

Semivolatile REPORT SW-846 Method 8270/EPA 625

Data file : \\192.168.50.6\chem\50MSS3.i\061014cal8270.b\200ppm.d
 Lab Smp Id: CAL9,70292:1
 Inj Date : 10-JUN-2014 13:21
 Operator : CEM Inst ID: 50MSS3.i
 Smp Info : cal9,70292:1
 Misc Info : 15492
 Comment :
 Method : \\192.168.50.6\chem\50MSS3.i\061014cal8270.b\8270c.m
 Meth Date : 13-Jun-2014 09:19 cmanuputy Quant Type: ISTD
 Cal Date : 10-JUN-2014 13:21 Cal File: 200ppm.d
 Als bottle: 10 Calibration Sample, Level: 9
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: most.sub
 Target Version: 4.14
 Processing Host: 50-SVOA-CEM

Concentration Formula: Amt * DF * Uf * Vt / (Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vt	1000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT	SIG	MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS	
								CAL-AMT	ON-COL
								(ug/ml)	(ug/ml)
1 N-Nitrosodimethylamine	42			2.028	2.021	(0.437)	403035	200.000	187.1
2 Pyridine	79			2.028	2.028	(0.437)	1053097	200.000	195.2
\$ 3 2-Fluorophenol (S)	112			3.404	3.410	(0.734)	973018	200.000	189.8
5 Benzaldehyde	77			4.186	4.187	(0.902)	489668	200.000	206.4
\$ 7 Phenol-d5 (S)	99			4.427	4.428	(0.954)	1184401	200.000	185.8
8 Phenol	94			4.445	4.446	(0.958)	1259040	200.000	185.3
6 bis(2-Chloroethyl)ether	93			4.410	4.410	(0.951)	949592	200.000	186.8
9 2-Chlorophenol	128			4.486	4.493	(0.967)	1139012	200.000	185.8
10 1,3-Dichlorobenzene	146			4.598	4.604	(0.991)	1254400	200.000	183.2
* 11 1,4-Dichlorobenzene-d4 (IS)	152			4.639	4.646	(1.000)	178501	40.0000	
12 1,4-Dichlorobenzene	146			4.663	4.663	(1.005)	1256527	200.000	182.5
14 Benzyl Alcohol	108			4.880	4.875	(1.052)	670627	200.000	192.6
13 1,2-Dichlorobenzene	146			4.874	4.875	(1.051)	1127821	200.000	177.1
18 2-Methylphenol	108			5.086	5.087	(1.096)	936135	200.000	186.3
15 bis(2chlorolmethylethyl) ether	45			5.027	5.028	(1.084)	1171502	200.000	180.3
16 2,2'-Oxybis(1-chloropropane)	45			5.027	5.028	(1.084)	1171502	200.000	180.3
17 bis(2-Chloroisopropyl)ether	45			5.027	5.028	(1.084)	1171502	200.000	180.3
22 3&4-Methylphenol	108			5.298	5.298	(1.142)	1060030	200.000	192.6
19 Acetophenone	105			5.168	5.169	(1.114)	1459138	200.000	187.4
20 N-Nitroso-di-n-propylamine	70			5.216	5.204	(1.124)	691798	200.000	189.8

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS	
						CAL-AMT (ug/ml)	ON-COL (ug/ml)
21 Hexachloroethane	117	5.245	5.246	(1.131)	421246	200.000	190.1
\$ 23 Nitrobenzene-d5 (S)	82	5.380	5.381	(0.824)	1013893	200.000	186.1
24 Nitrobenzene	77	5.410	5.404	(0.829)	1009546	200.000	184.0
25 Isophorone	82	5.763	5.751	(0.883)	1911697	200.000	182.6
26 2-Nitrophenol	139	5.904	5.898	(0.904)	683293	200.000	191.4
27 2,4-Dimethylphenol	122	6.080	6.081	(0.932)	988489	200.000	184.2
31 Benzoic Acid	122	6.486	6.434	(0.994)	626814	200.000	220.8
28 bis(2-Chloroethoxy)methane	93	6.180	6.175	(0.947)	1182427	200.000	182.9
29 2,4-Dichlorophenol	162	6.386	6.387	(0.978)	1034128	200.000	187.4
30 1,2,4-Trichlorobenzene	180	6.457	6.457	(0.989)	1078750	200.000	180.0
* 32 Naphthalene-d8 (IS)	136	6.527	6.522	(1.000)	746481	40.0000	
33 Naphthalene	128	6.568	6.563	(1.006)	3371671	200.000	178.4
35 4-Chloroaniline	127	6.827	6.822	(1.046)	1236814	200.000	176.5
34 2,6-Dichlorophenol	162	6.821	6.822	(1.045)	970215	200.000	182.0
36 Hexachlorobutadiene	225	6.963	6.969	(1.067)	654881	200.000	183.3
37 Caprolactam	113	7.668	7.592	(1.175)	358464	200.000	194.6
39 4-Chloro-3-methylphenol	107	8.174	8.175	(1.252)	938185	200.000	188.3
38 2-Methylnaphthalene	142	8.157	8.151	(1.250)	3176493	200.000	180.1
40 1-Methylnaphthalene	142	8.374	8.375	(1.283)	2289545	200.000	177.0
42 Hexachlorocyclopentadiene	237	8.615	8.616	(0.871)	671206	200.000	190.2
43 2,4,6-Trichlorophenol	196	8.845	8.845	(0.894)	795402	200.000	186.5
45 2,4,5-Trichlorophenol	196	8.956	8.951	(0.905)	817995	200.000	186.0
\$ 44 2-Fluorobiphenyl (S)	172	8.933	8.934	(0.903)	2483170	200.000	172.6
47 Biphenyl (Diphenyl)	154	9.068	9.063	(0.917)	2761440	200.000	169.5
46 2-Chloronaphthalene	162	9.051	9.045	(0.915)	2065183	200.000	170.8
49 2-Nitroaniline	65	9.362	9.357	(0.946)	530133	200.000	190.5
50 Dimethylphthalate	163	9.674	9.669	(0.978)	2239586	200.000	170.5
51 Acenaphthylene	152	9.680	9.675	(0.979)	3348544	200.000	167.8
52 2,6-Dinitrotoluene	165	9.762	9.757	(0.987)	607946	200.000	197.1
55 3-Nitroaniline	138	9.968	9.957	(1.008)	626120	200.000	193.7
* 53 Acenaphthene-d10 (IS)	164	9.892	9.886	(1.000)	443590	40.0000	
54 Acenaphthene	153	9.933	9.933	(1.004)	2143644	200.000	168.2
56 2,4-Dinitrophenol	184	10.074	10.069	(1.018)	444329	200.000	189.3
59 4-Nitrophenol	109	10.327	10.328	(1.044)	301536	200.000	201.9
57 Dibenzofuran	168	10.145	10.139	(1.026)	3089184	200.000	171.2
58 2,4-Dinitrotoluene	165	10.262	10.257	(1.037)	819026	200.000	193.3
60 Diethylphthalate	149	10.568	10.557	(1.068)	2072086	200.000	160.4
61 Fluorene	166	10.568	10.563	(1.068)	2225337	200.000	157.6
62 4-Chlorophenyl-phenylether	204	10.592	10.586	(1.071)	1266347	200.000	173.9
64 4-Nitroaniline	138	10.739	10.728	(1.086)	621098	200.000	182.5
63 4,6-Dinitro-2-methylphenol	198	10.739	10.728	(0.925)	560872	200.000	194.7
65 N-Nitrosodiphenylamine	169	10.762	10.757	(0.927)	1694008	200.000	163.8
66 1,2-Diphenylhydrazine	77	10.774	10.769	(0.929)	2009671	200.000	168.6
\$ 67 2,4,6-Tribromophenol (S)	330	10.898	10.892	(0.939)	465338	200.000	186.7
68 4-Bromophenyl-phenylether	248	11.139	11.133	(0.960)	810515	200.000	175.6
69 Hexachlorobenzene	284	11.280	11.280	(0.972)	875177	200.000	174.5
70 Atrazine	200	11.409	11.404	(0.983)	619459	200.000	164.0
71 Pentachlorophenol	266	11.515	11.510	(0.992)	595055	200.000	194.1
* 72 Phenanthrene-d10 (IS)	188	11.603	11.604	(1.000)	793044	40.0000	
73 Phenanthrene	178	11.633	11.627	(1.003)	3624537	200.000	166.1
74 Anthracene	178	11.680	11.675	(1.007)	3625481	200.000	165.5
75 Carbazole	167	11.897	11.892	(1.025)	3445571	200.000	170.7
76 Di-n-butylphthalate	149	12.292	12.286	(1.059)	3823808	200.000	170.6
77 Fluoranthene	202	12.862	12.863	(1.108)	4021351	200.000	166.6

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS	
						CAL-AMT (ug/ml)	ON-COL (ug/ml)
78 Benzidine	184	13.033	13.033	(1.123)	1004997	200.000	197.6
79 Pyrene	202	13.092	13.086	(1.128)	4154218	200.000	166.0
\$ 80 p-Terphenyl-d14 (S)	244	13.262	13.257	(1.143)	2799202	200.000	169.4
81 Butylbenzylphthalate	149	13.786	13.780	(0.959)	1759700	200.000	180.2
82 Benzo(a)anthracene	228	14.356	14.351	(0.998)	4260288	200.000	173.1
83 3,3'-Dichlorobenzidine	252	14.374	14.368	(1.000)	1291545	200.000	177.4
* 84 Chrysene-d12 (IS)	240	14.380	14.374	(1.000)	917889	40.0000	
85 Chrysene	228	14.415	14.404	(1.002)	4054040	200.000	172.7
86 bis(2-Ethylhexyl)phthalate	149	14.444	14.439	(1.004)	2527905	200.000	181.9
87 Di-n-octylphthalate	149	15.168	15.168	(0.949)	4334342	200.000	178.4
88 Benzo(b)fluoranthene	252	15.603	15.598	(0.976)	4563868	200.000	171.6
89 Benzo(k)fluoranthene	252	15.633	15.621	(0.978)	4784883	200.000	164.8
90 Benzo(a)pyrene	252	15.933	15.921	(0.997)	4247131	200.000	173.6
* 91 Perylene-d12 (IS)	264	15.980	15.974	(1.000)	884133	40.0000	
92 Indeno(1,2,3-cd)pyrene	276	16.985	16.974	(1.063)	5225543	200.000	172.8
93 Dibenz(a,h)anthracene	278	16.997	16.986	(1.064)	4179214	200.000	169.3
94 Benzo(g,h,i)perylene	276	17.262	17.245	(1.080)	4585809	200.000	175.2

Client ID:

Sample Info: CAL9,702922;1

Volume Injected (uL): 1.0

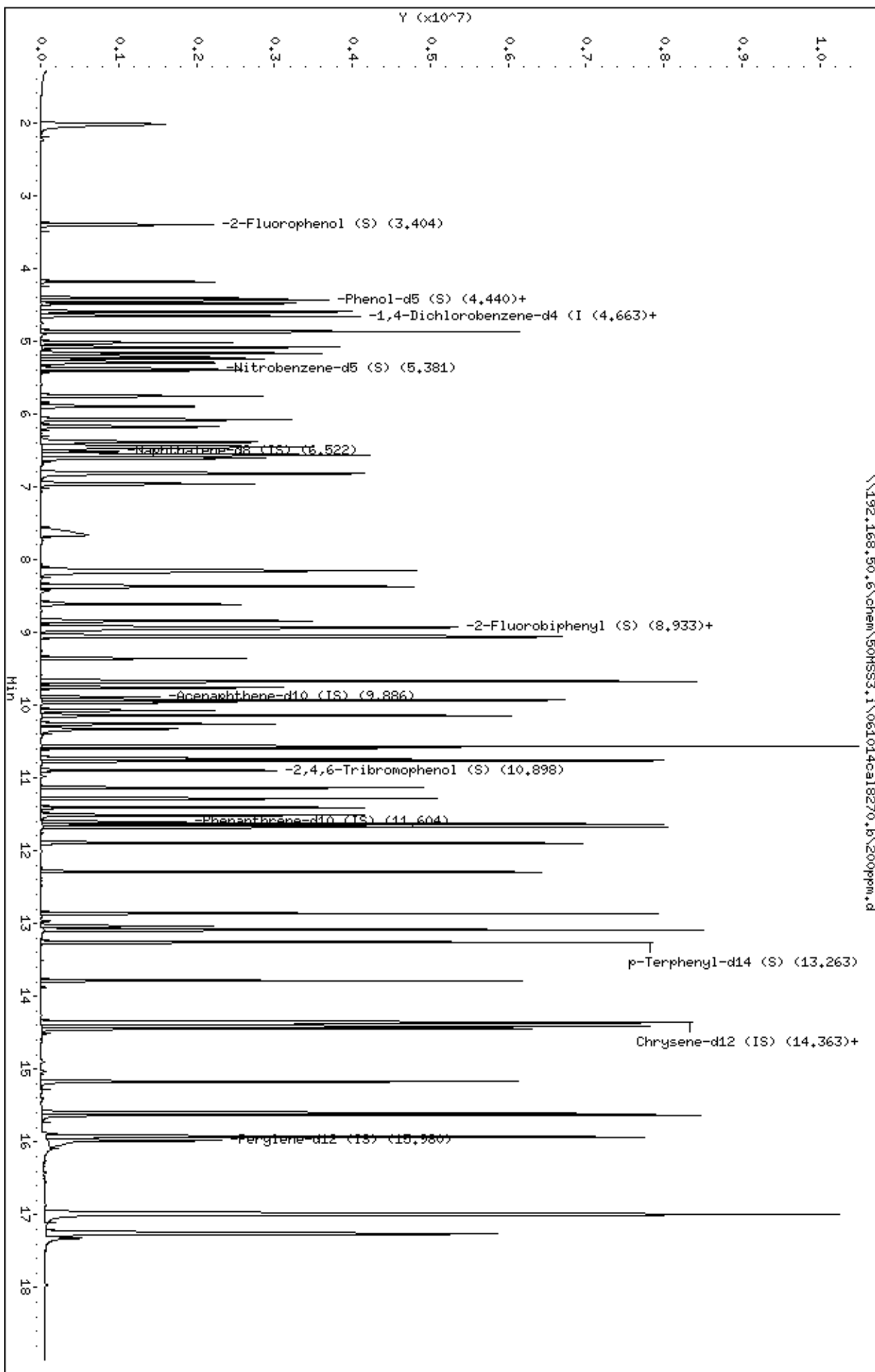
Column phase: 50um DB-5ms

Instrument: 50HSS3.1

Operator: CEH

Column diameter: 0.25

\\192.168.50.6\chem\50HSS3.1\061014ca18270.b\200ppm.d



Pace Analytical Services, Inc.

Semivolatile REPORT SW-846 Method 8270/EPA 625

Data file : \\192.168.50.6\chem\50MSS2.i\060914cal.b\100ppm-icv.d

Lab Smp Id: ICV,70293:1

Inj Date : 09-JUN-2014 16:19

Operator : CEM

Inst ID: 50MSS2.i

Smp Info : icv,70293:1

Misc Info : 15468

Comment :

Method : \\192.168.50.6\chem\50MSS2.i\060914cal.b\8270c.m

Meth Date : 07-Jul-2014 15:09 cmanuputy Quant Type: ISTD

Cal Date : 09-JUN-2014 15:11 Cal File: 150ppm.d

Als bottle: 11

QC Sample: LCS

Dil Factor: 1.00000

Integrator: HP RTE

Compound Sublist: most.sub

Target Version: 4.14

Processing Host: 50-SVOA-SN

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vt	1000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT	SIG	MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
								ON-COLUMN (ug/ml)	FINAL (ug/L)
1 N-Nitrosodimethylamine	42			2.083	2.083	(0.443)	222257	100.306	100.3
2 Pyridine	79			2.089	2.089	(0.445)	610622	106.118	106.1
\$ 3 2-Fluorophenol (S)	112			3.395	3.395	(0.722)	593974	110.596	110.6 (R)
\$ 6 Phenol-d5 (S)	99			4.395	4.395	(0.935)	656071	96.7561	96.76 (R)
7 Phenol	94			4.407	4.407	(0.937)	759291	106.298	106.3 (QM)
8 bis(2-Chloroethyl)ether	93			4.466	4.465	(0.950)	537948	103.995	104.0
9 2-Chlorophenol	128			4.519	4.513	(0.961)	652898	102.495	102.5
10 1,3-Dichlorobenzene	146			4.660	4.660	(0.991)	712901	99.6894	99.69
* 11 1,4-Dichlorobenzene-d4 (IS)	152			4.701	4.701	(1.000)	188799	40.0000	
12 1,4-Dichlorobenzene	146			4.719	4.718	(1.004)	732028	102.599	102.6
13 Benzyl Alcohol	108			4.907	4.907	(1.044)	417567	108.537	108.5
14 1,2-Dichlorobenzene	146			4.936	4.936	(1.050)	702766	102.109	102.1
15 2-Methylphenol	108			5.077	5.083	(1.080)	566222	106.834	106.8
16 bis(2chlorolmethylethyl) ether	45			5.089	5.089	(1.083)	732961	113.589	113.6
17 2,2'-Oxybis(1-chloropropane)	45			5.089	5.089	(1.083)	732961	113.589	113.6
18 bis(2-Chloroisopropyl)ether	45			5.089	5.089	(1.083)	732961	113.589	113.6
20 3&4-Methylphenol	108			5.283	5.283	(1.124)	588503	102.959	103.0
19 Acetophenone	105			5.283	5.236	(1.124)	5187	0.62696	0.627 (Q)
21 N-Nitroso-di-n-propylamine	70			5.277	5.277	(1.123)	386654	102.372	102.4
22 Hexachloroethane	117			5.319	5.318	(1.131)	262601	103.788	103.8

Compounds	QUANT	SIG						CONCENTRATIONS	
			MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ug/ml)	FINAL (ug/L)
§ 23 Nitrobenzene-d5 (S)	82		5.448	5.448	(0.822)	618620	107.926	107.9	
24 Nitrobenzene	77		5.477	5.477	(0.826)	600656	104.664	104.7	
25 Isophorone	82		5.830	5.830	(0.879)	1112508	101.888	101.9	
26 2-Nitrophenol	139		5.983	5.983	(0.902)	367975	105.792	105.8	
27 2,4-Dimethylphenol	122		6.101	6.101	(0.920)	584360	106.047	106.0	
28 Benzoic Acid	122		6.413	6.395	(0.967)	362911	115.970	116.0	
29 bis(2-Chloroethoxy)methane	93		6.260	6.259	(0.944)	724897	107.486	107.5	
30 2,4-Dichlorophenol	162		6.418	6.418	(0.968)	588418	104.074	104.1	
31 1,2,4-Trichlorobenzene	180		6.560	6.559	(0.989)	637741	103.258	103.2	
* 32 Naphthalene-d8 (IS)	136		6.630	6.624	(1.000)	748745	40.0000		
33 Naphthalene	128		6.665	6.665	(1.005)	1945656	100.789	100.8	
35 4-Chloroaniline	127		6.889	6.895	(1.039)	837565	110.776	110.8	
36 Hexachlorobutadiene	225		7.077	7.077	(1.067)	425762	113.206	113.2	
38 4-Chloro-3-methylphenol	107		8.148	8.159	(1.229)	538570	103.306	103.3	
39 2-Methylnaphthalene	142		8.260	8.259	(1.246)	1303762	98.3029	98.30	
41 1-Methylnaphthalene	142		8.471	8.477	(1.278)	1245003	95.4546	95.45	
43 Hexachlorocyclopentadiene	237		8.712	8.712	(0.874)	310308	97.0585	97.06	
44 2,4,6-Trichlorophenol	196		8.901	8.906	(0.893)	449657	104.470	104.5	
45 2,4,5-Trichlorophenol	196		8.965	8.977	(0.899)	465594	101.822	101.8	
§ 46 2-Fluorobiphenyl (S)	172		9.018	9.018	(0.904)	1538590	105.011	105.0	
47 2-Chloronaphthalene	162		9.136	9.136	(0.916)	1268080	104.909	104.9	
49 2-Nitroaniline	65		9.412	9.412	(0.944)	316929	107.408	107.4	
50 Dimethylphthalate	163		9.748	9.742	(0.978)	1403040	99.6179	99.62	
51 Acenaphthylene	152		9.759	9.759	(0.979)	2006665	96.7941	96.79	
52 2,6-Dinitrotoluene	165		9.830	9.830	(0.986)	343233	112.575	112.6	
54 3-Nitroaniline	138		10.012	10.006	(1.004)	369752	111.162	111.2	
* 53 Acenaphthene-d10 (IS)	164		9.971	9.971	(1.000)	434405	40.0000		
55 Acenaphthene	153		10.012	10.012	(1.004)	1299659	100.815	100.8	
56 2,4-Dinitrophenol	184		10.148	10.147	(1.018)	211230	105.760	105.8	
58 4-Nitrophenol	109		10.295	10.294	(1.032)	174300	105.649	105.6	
57 Dibenzofuran	168		10.224	10.224	(1.025)	1836627	101.100	101.1	
59 2,4-Dinitrotoluene	165		10.336	10.336	(1.037)	468473	110.952	111.0	
60 Diethylphthalate	149		10.636	10.630	(1.067)	1377382	100.321	100.3	
61 Fluorene	166		10.648	10.647	(1.068)	1478292	102.171	102.2	
62 4-Chlorophenyl-phenylether	204		10.665	10.665	(1.070)	739821	103.753	103.8	
63 4-Nitroaniline	138		10.777	10.777	(1.081)	384091	110.283	110.3	
64 4,6-Dinitro-2-methylphenol	198		10.818	10.812	(0.926)	291909	107.920	107.9 (QM)	
65 N-Nitrosodiphenylamine	169		10.830	10.830	(0.927)	1242129	118.994	119.0	
66 1,2-Diphenylhydrazine	77		10.848	10.847	(0.928)	1379137	103.215	103.2	
§ 67 2,4,6-Tribromophenol (S)	330		10.959	10.959	(0.938)	324655	107.092	107.1	
68 4-Bromophenyl-phenylether	248		11.212	11.212	(0.960)	507924	105.273	105.3	
69 Hexachlorobenzene	284		11.365	11.365	(0.973)	603286	104.664	104.7	
71 Pentachlorophenol	266		11.577	11.577	(0.991)	403734	118.044	118.0	
* 72 Phenanthrene-d10 (IS)	188		11.683	11.683	(1.000)	817808	40.0000		
73 Phenanthrene	178		11.712	11.712	(1.003)	2169593	98.8782	98.88	
74 Anthracene	178		11.759	11.759	(1.007)	2242676	101.605	101.6	
75 Carbazole	167		11.959	11.959	(1.024)	2088841	100.414	100.4	
76 Di-n-butylphthalate	149		12.365	12.371	(1.058)	2322340	99.2677	99.27	
77 Fluoranthene	202		12.953	12.953	(1.109)	2463699	98.6095	98.61	
78 Benzidine	184		13.112	13.112	(1.122)	1335697	232.513	232.5 (R)	
79 Pyrene	202		13.183	13.183	(1.128)	2574715	98.4031	98.40	
§ 80 p-Terphenyl-d14 (S)	244		13.347	13.353	(1.142)	1836031	109.333	109.3	
81 Butylbenzylphthalate	149		13.883	13.888	(0.957)	1110123	105.072	105.1	
82 Benzo(a)anthracene	228		14.483	14.482	(0.998)	2588449	101.263	101.3	

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN (ug/ml)	FINAL (ug/L)
83 3,3'-Dichlorobenzidine	252	14.483	14.482	(0.998)	1037244	120.890	120.9
* 84 Chrysene-d12 (IS)	240	14.506	14.506	(1.000)	1000006	40.0000	
85 Chrysene	228	14.536	14.535	(1.002)	2524979	105.127	105.1
86 bis(2-Ethylhexyl)phthalate	149	14.565	14.571	(1.004)	1612789	105.513	105.5
87 Di-n-octylphthalate	149	15.294	15.294	(0.949)	2774262	105.635	105.6
88 Benzo(b)fluoranthene	252	15.735	15.735	(0.976)	3071522	107.702	107.7
89 Benzo(k)fluoranthene	252	15.759	15.759	(0.978)	2811951	94.6493	94.65
90 Benzo(a)pyrene	252	16.065	16.065	(0.997)	2650147	102.710	102.7
* 91 Perylene-d12 (IS)	264	16.118	16.118	(1.000)	942652	40.0000	
92 Indeno(1,2,3-cd)pyrene	276	17.165	17.165	(1.065)	3340691	99.2864	99.29
93 Dibenz(a,h)anthracene	278	17.171	17.171	(1.065)	2803090	103.671	103.7
94 Benzo(g,h,i)perylene	276	17.453	17.459	(1.083)	2874605	101.394	101.4

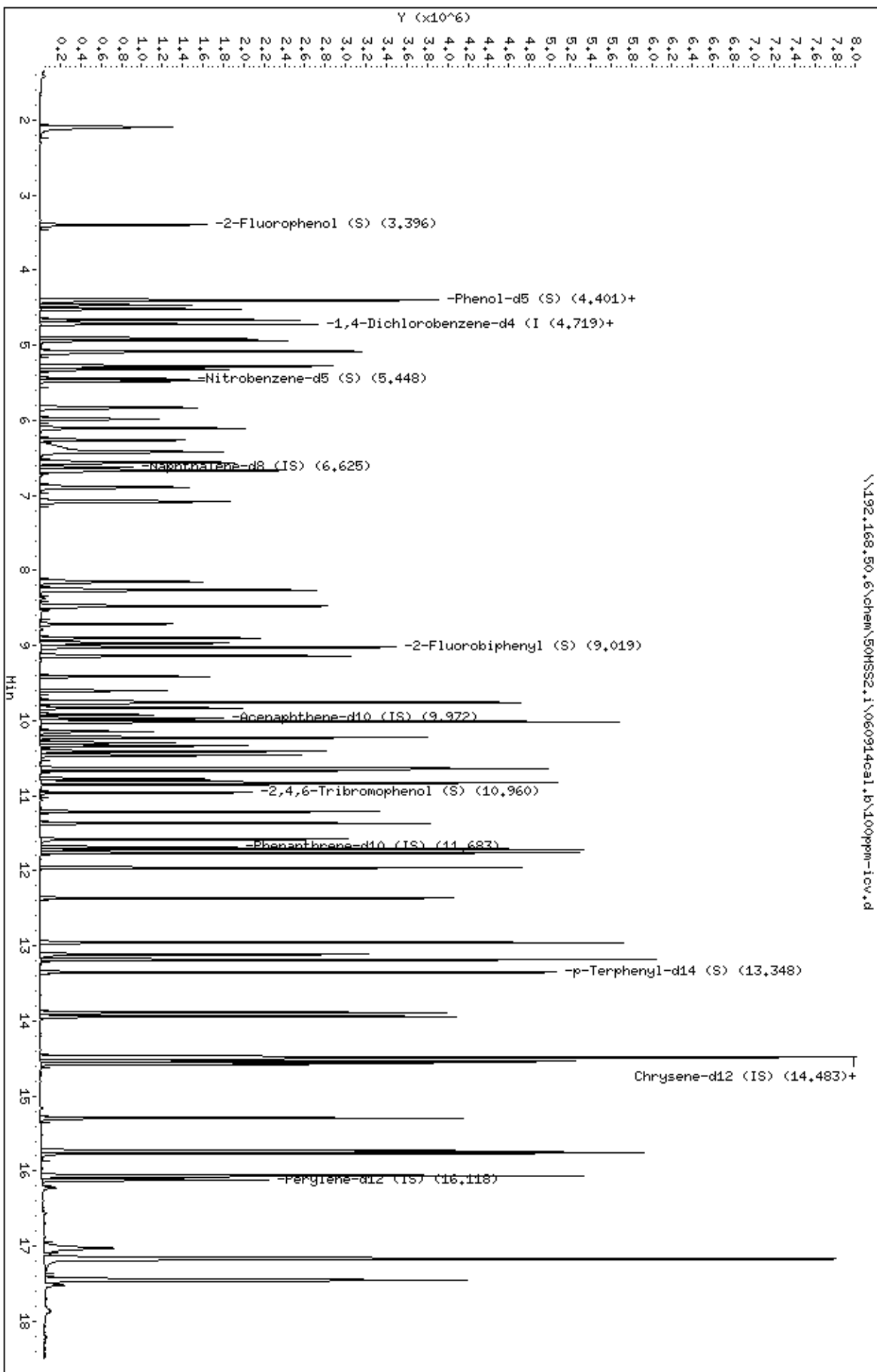
QC Flag Legend

- Q - Qualifier signal failed the ratio test.
- R - Spike/Surrogate failed recovery limits.
- M - Compound response manually integrated.

Data File: \\192.168.50.6\chem\50HSS2.1\060914cal.b\100ppm-icv.d
 Date : 09-JUN-2014 16:19
 Client ID:
 Sample Info: ICV,70293:1
 Volume Injected (uL): 1.0
 Column phase: 50um DB-5ms

Instrument: 50HSS2.1
 Operator: CEH
 Column diameter: 0.25

\\192.168.50.6\chem\50HSS2.1\060914cal.b\100ppm-icv.d



Date : 09-JUN-2014 16:19

Client ID:

Instrument: 50MSS2.i

Sample Info: ICV,70293:1

Volume Injected (uL): 1.0

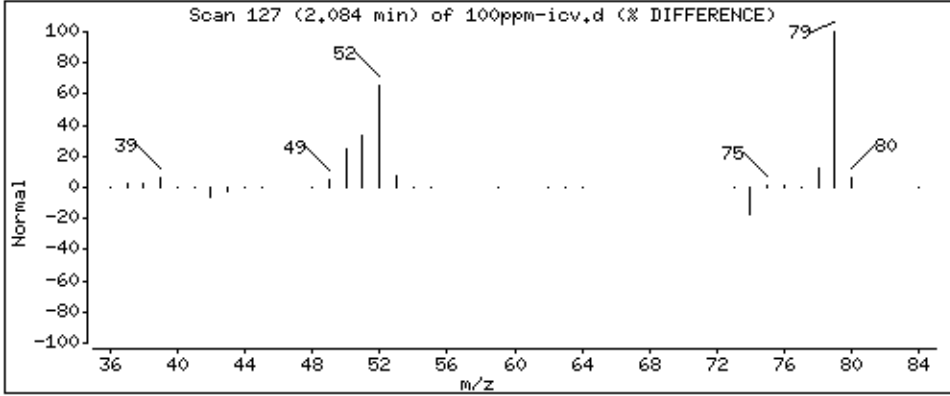
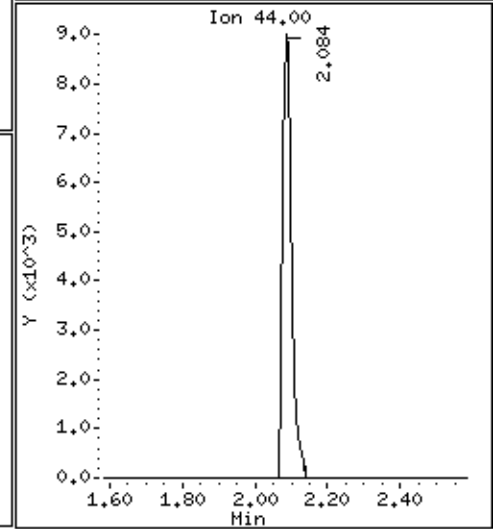
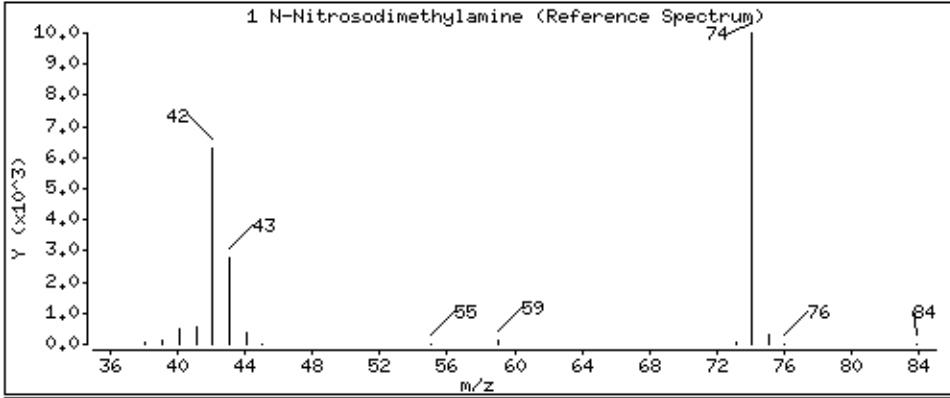
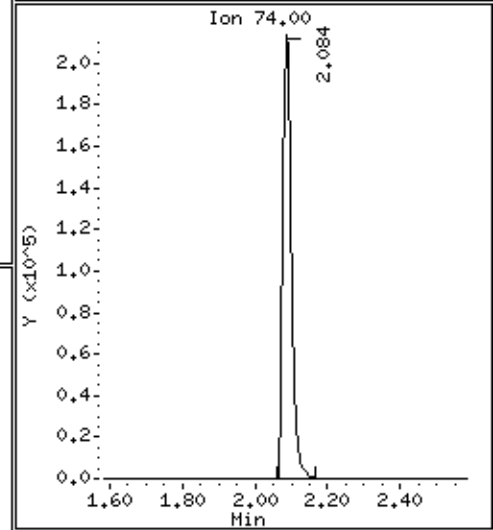
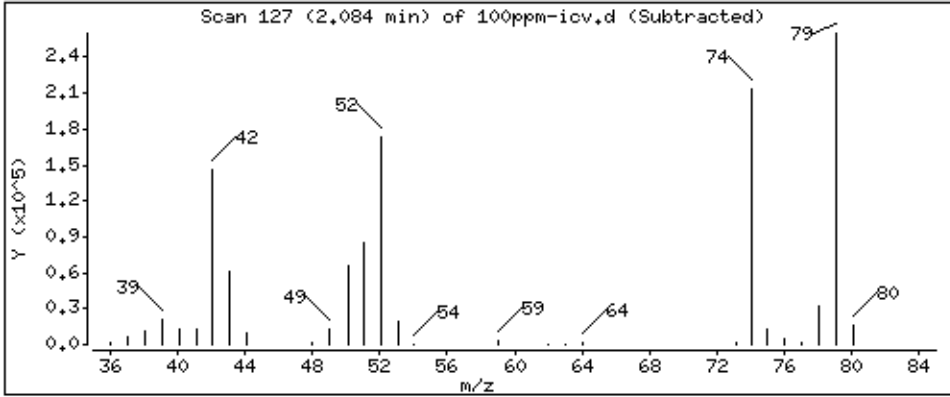
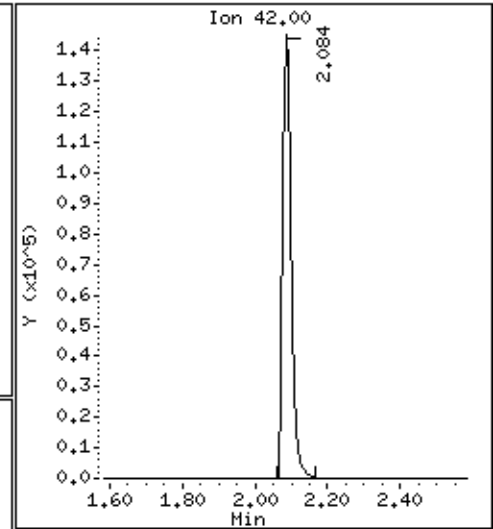
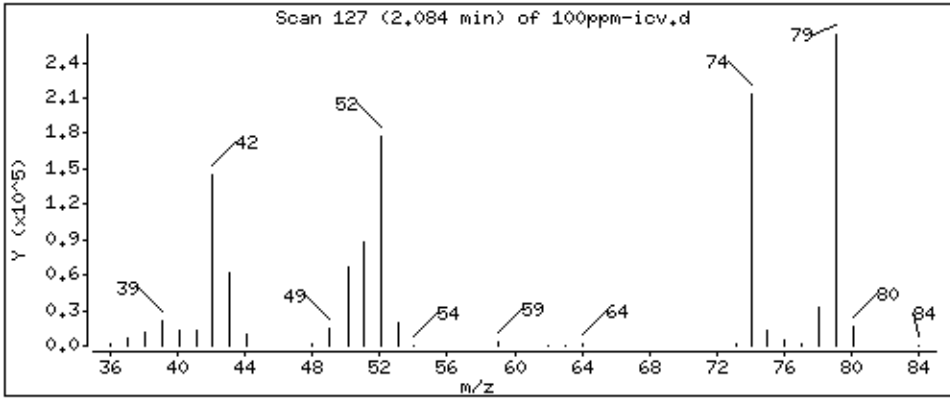
Operator: CEM

Column phase: .50um DB-5ms

Column diameter: 0,25

1 N-Nitrosodimethylamine

Concentration: 100.3 ug/L



Date : 09-JUN-2014 16:19

Client ID:

Instrument: 50MSS2.i

Sample Info: ICV,70293:1

Volume Injected (uL): 1.0

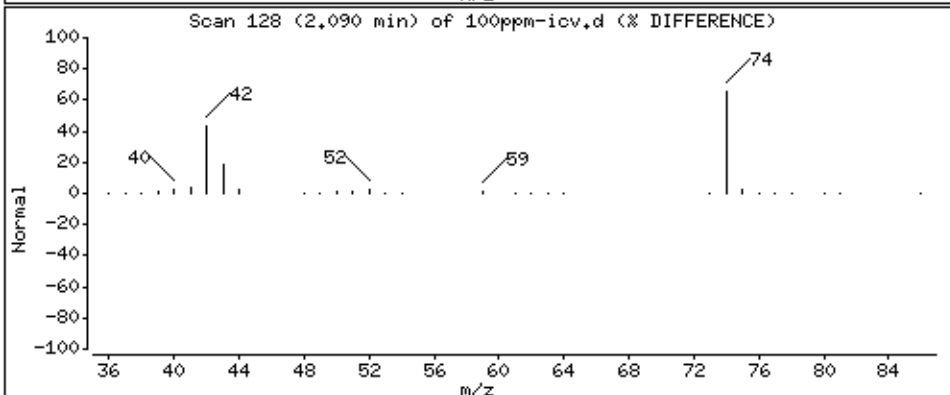
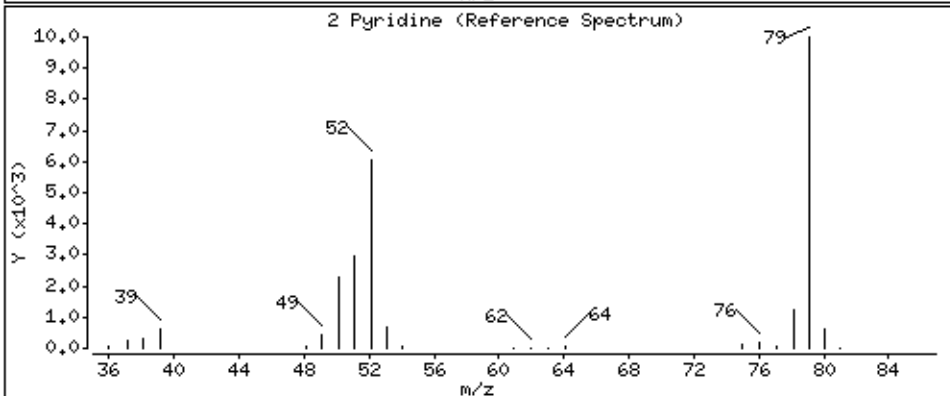
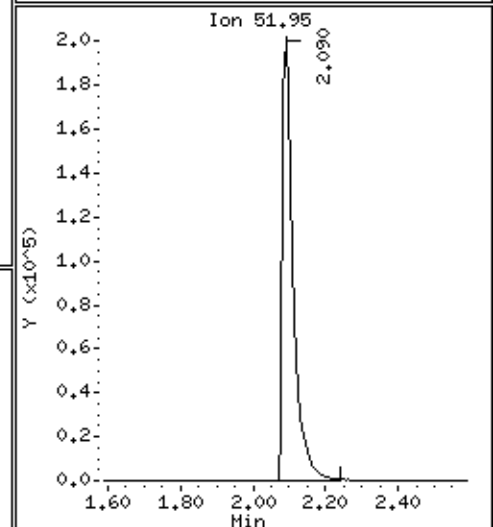
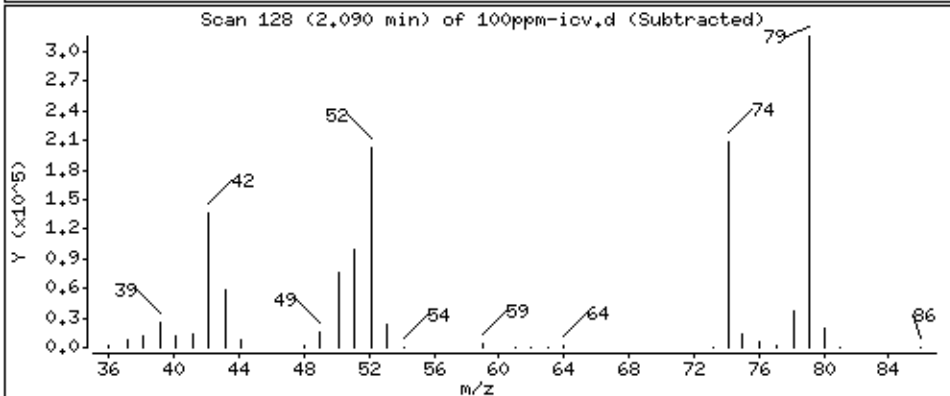
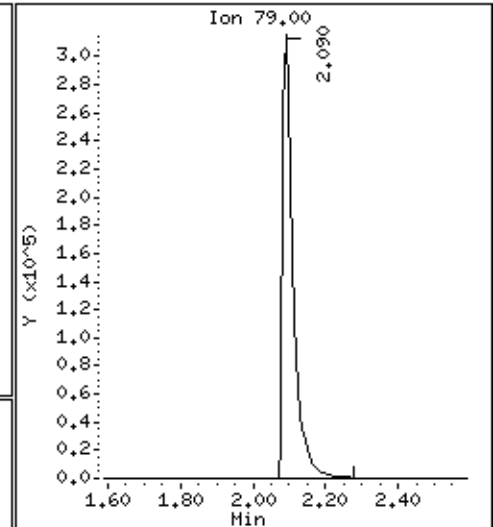
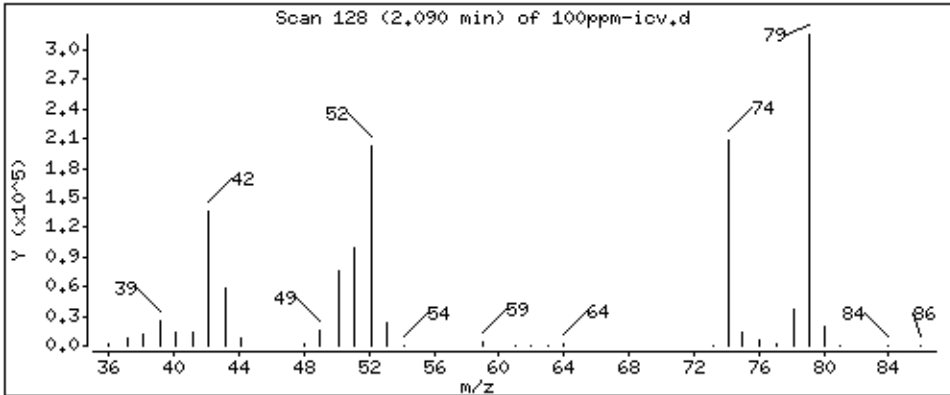
Operator: CEM

Column phase: .50um DB-5ms

Column diameter: 0,25

2 Pyridine

Concentration: 106.1 ug/L



Date : 09-JUN-2014 16:19

Client ID:

Instrument: 50MSS2.i

Sample Info: ICV,70293:1

Volume Injected (uL): 1.0

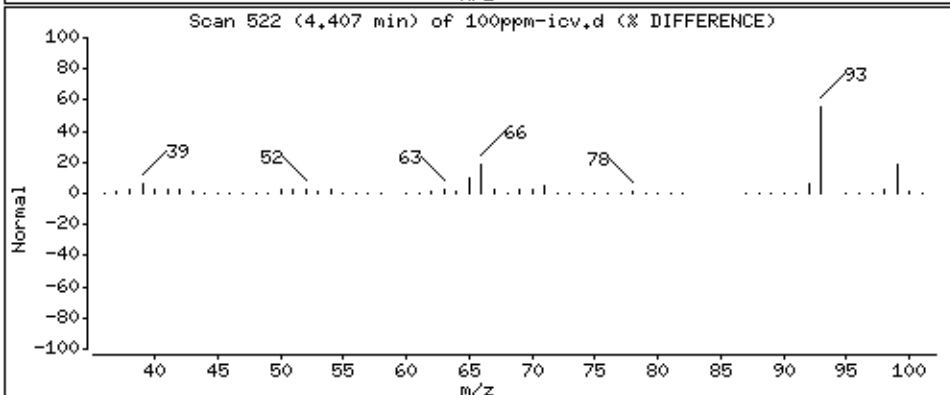
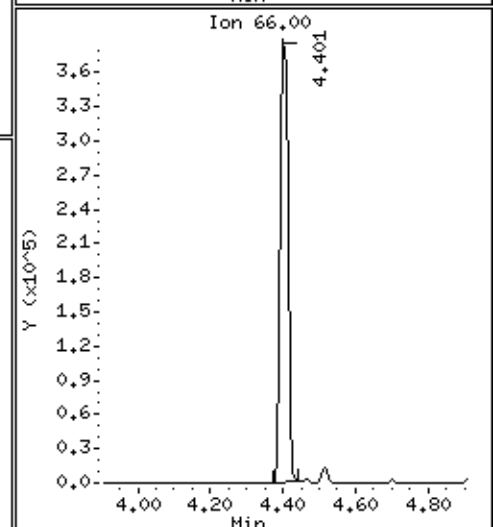
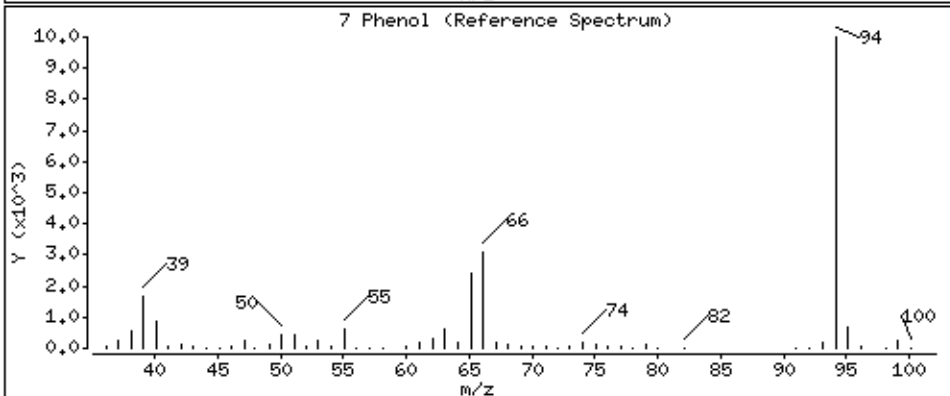
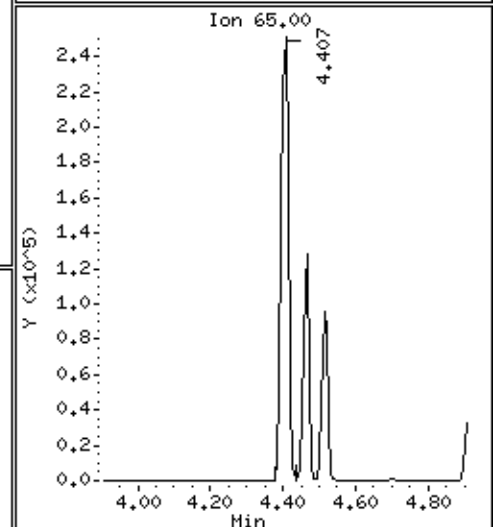
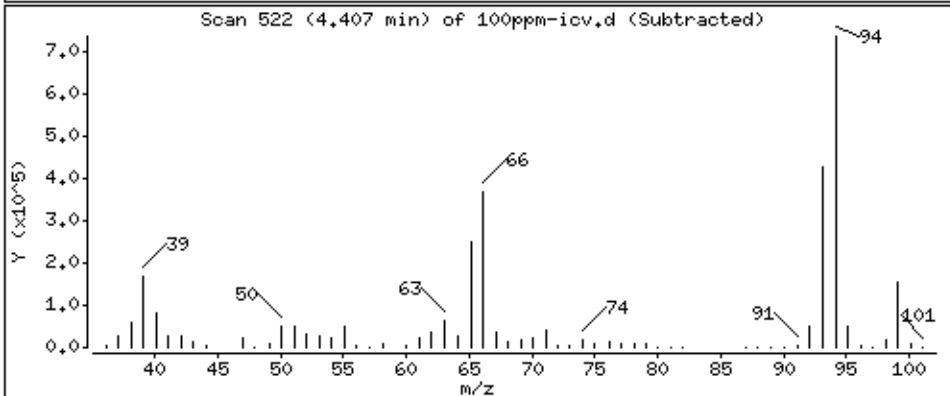
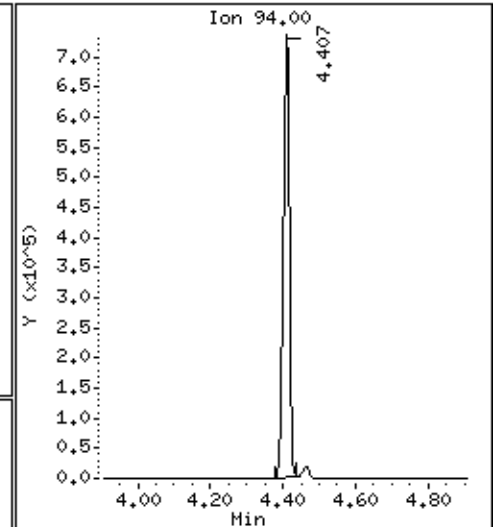
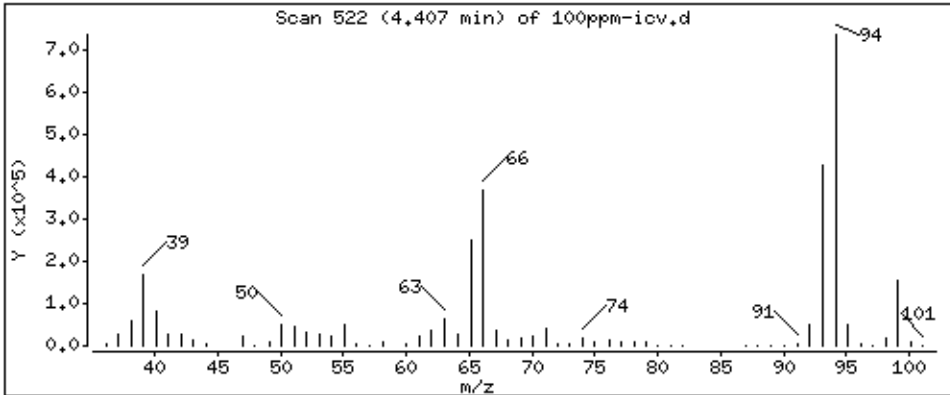
Operator: CEM

Column phase: .50um DB-5ms

Column diameter: 0,25

7 Phenol

Concentration: 106.3 ug/L



Date : 09-JUN-2014 16:19

Client ID:

Instrument: 50MSS2.i

Sample Info: ICV,70293:1

Volume Injected (uL): 1.0

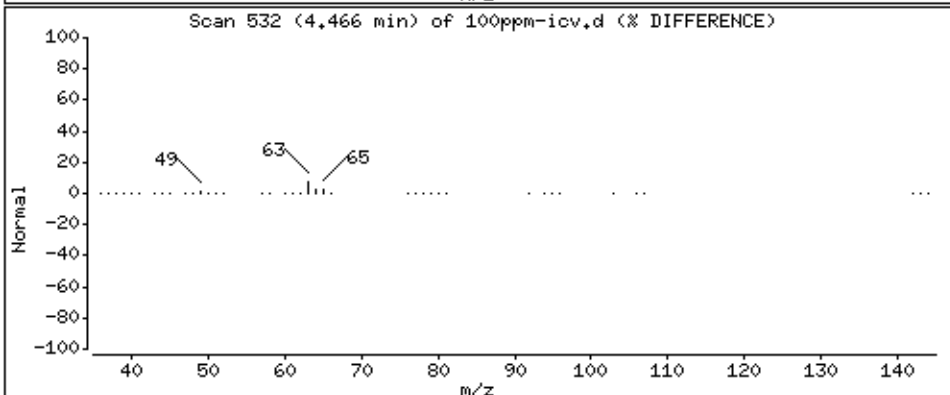
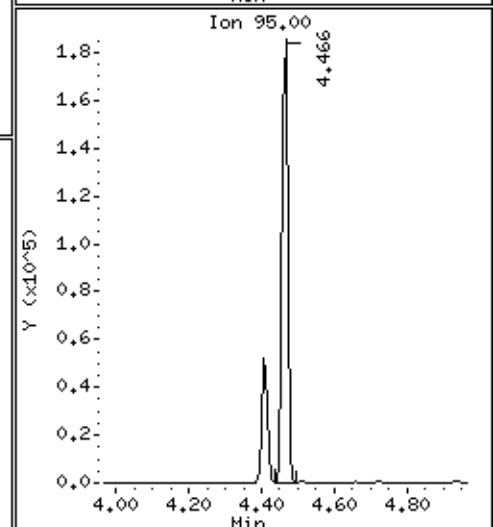
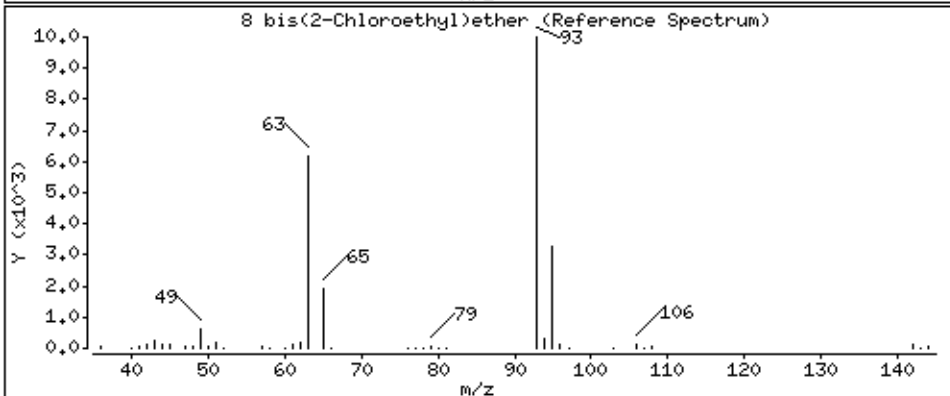
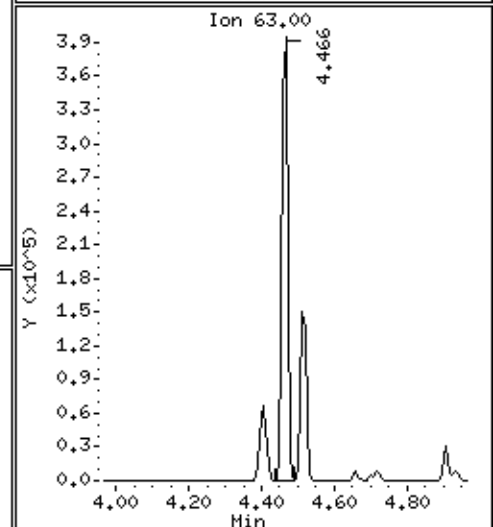
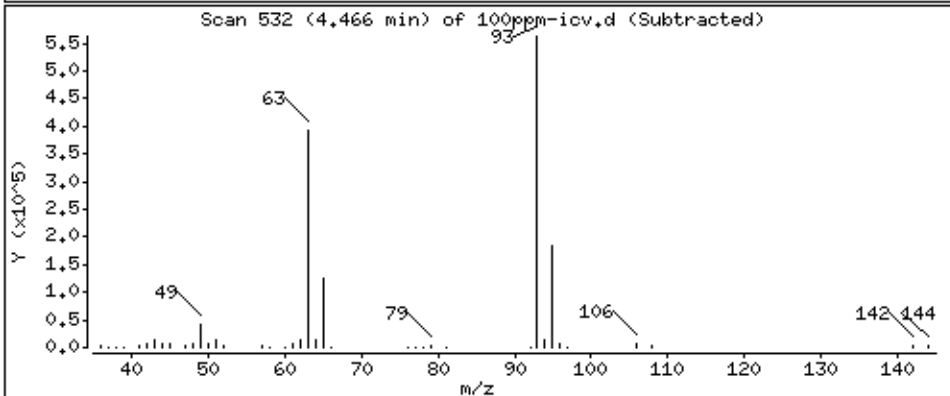
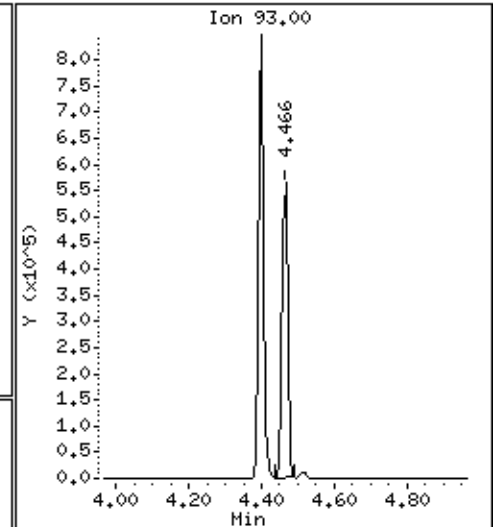
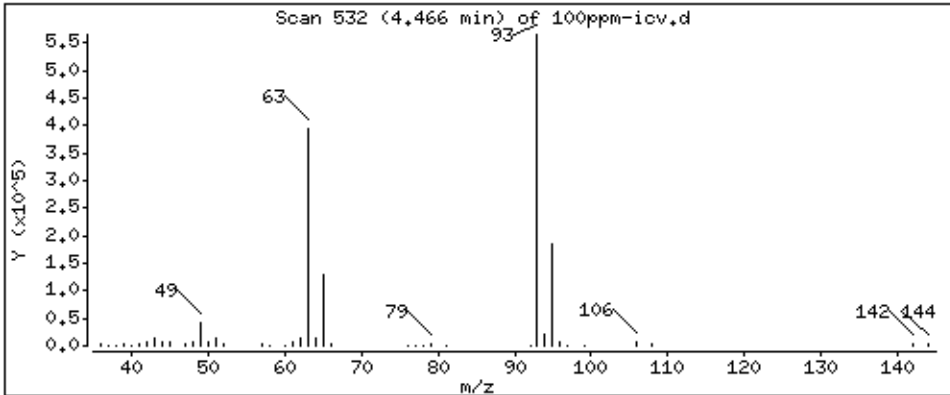
Operator: CEM

Column phase: .50um DB-5ms

Column diameter: 0,25

8 bis(2-Chloroethyl)ether

Concentration: 104.0 ug/L



Date : 09-JUN-2014 16:19

Client ID:

Instrument: 50MSS2.i

Sample Info: ICV,70293:1

Volume Injected (uL): 1.0

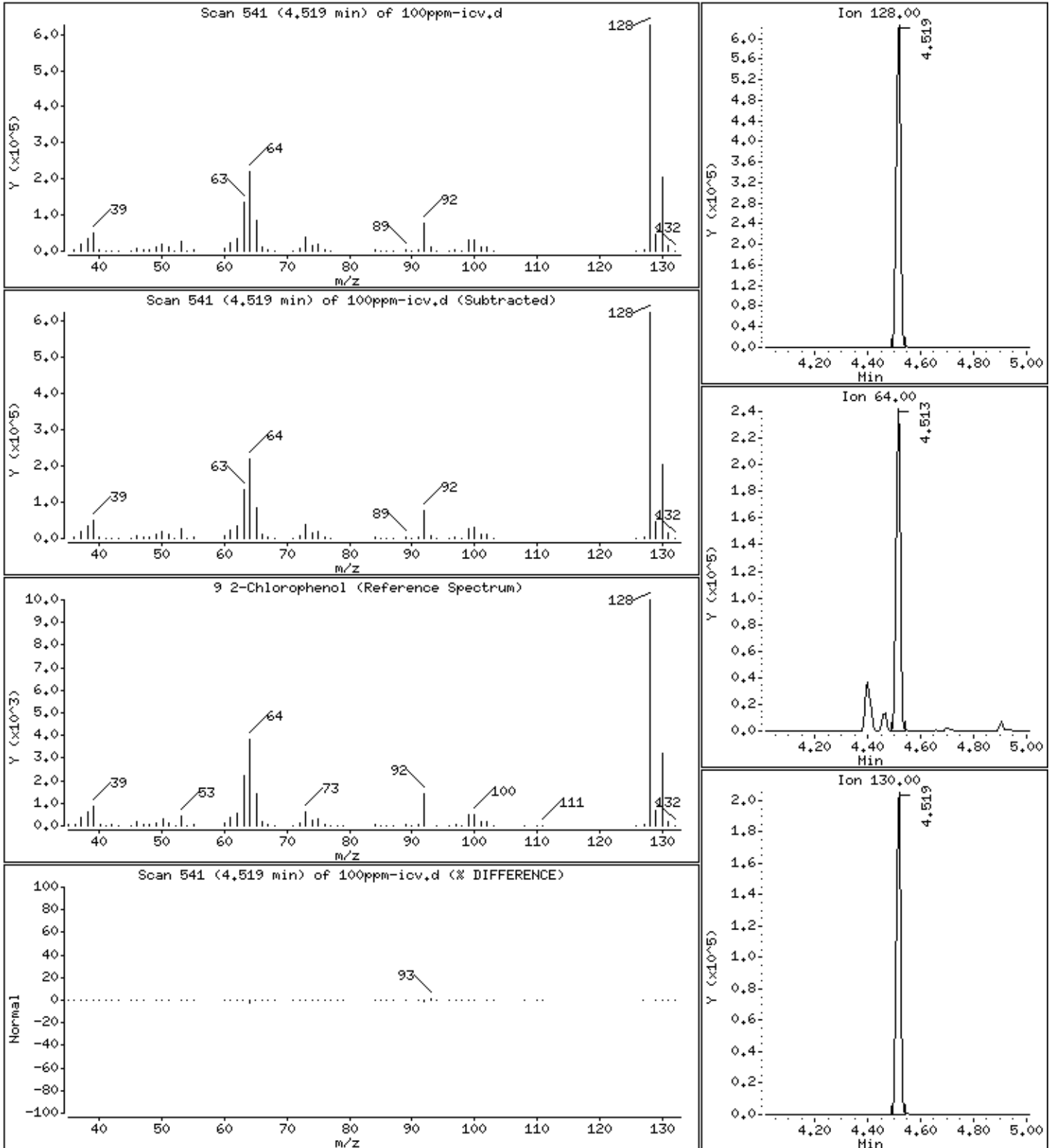
Operator: CEM

Column phase: .50um DB-5ms

Column diameter: 0,25

9 2-Chlorophenol

Concentration: 102,5 ug/L



Date : 09-JUN-2014 16:19

Client ID:

Instrument: 50MSS2.i

Sample Info: ICV,70293:1

Volume Injected (uL): 1.0

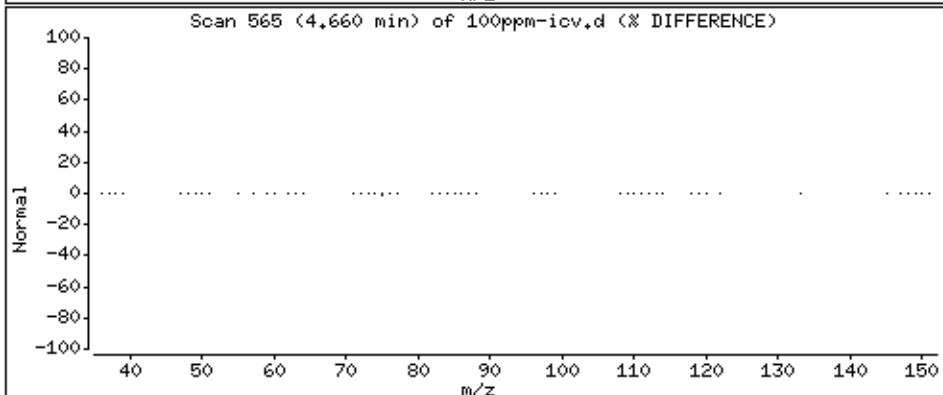
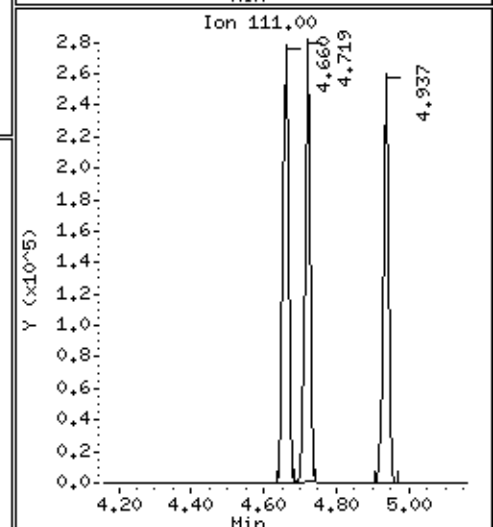
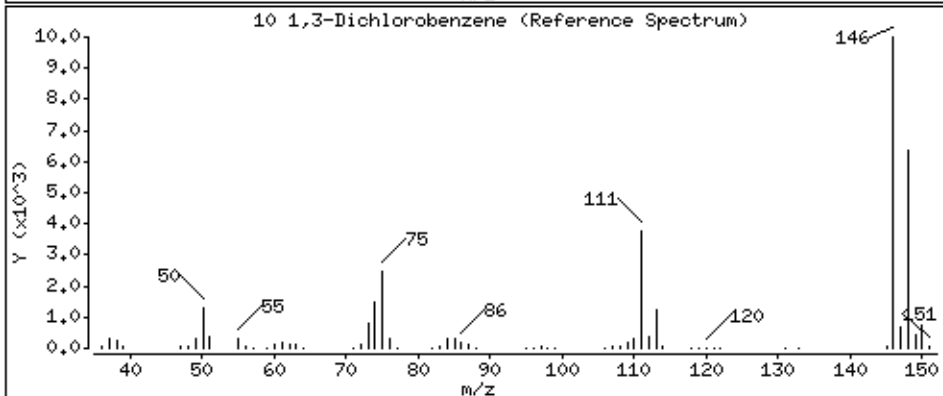
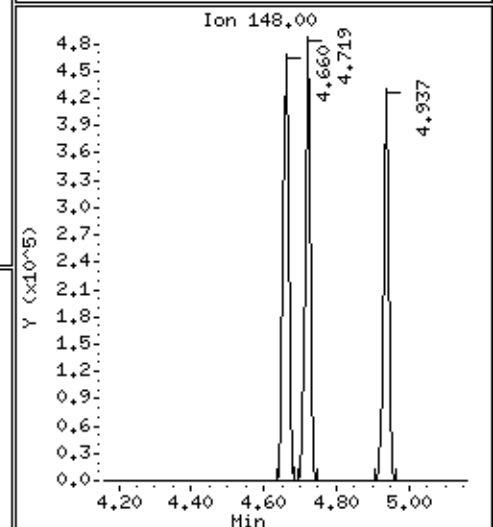
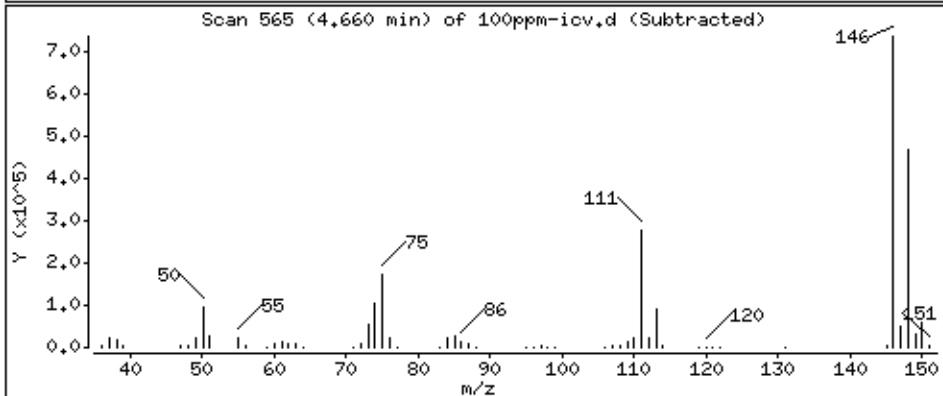
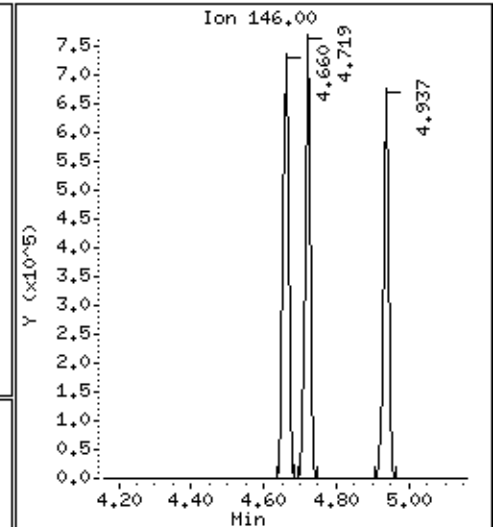
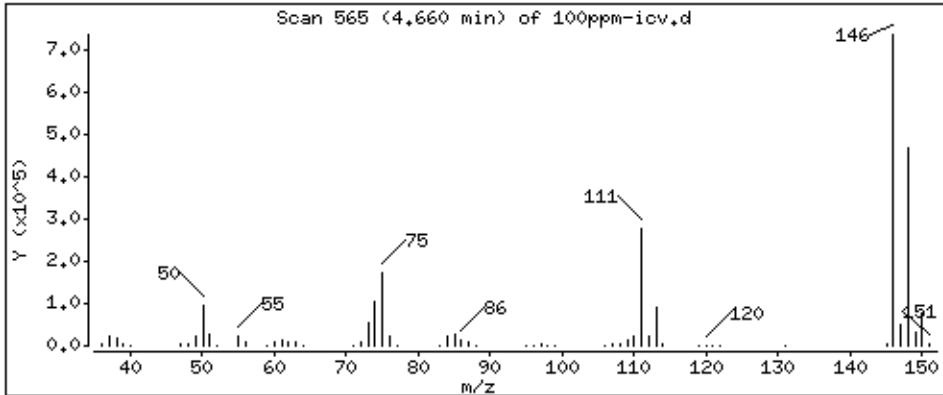
Operator: CEM

Column phase: .50um DB-5ms

Column diameter: 0,25

10 1,3-Dichlorobenzene

Concentration: 99,69 ug/L



Date : 09-JUN-2014 16:19

Client ID:

Instrument: 50MSS2.i

Sample Info: ICV,70293:1

Volume Injected (uL): 1.0

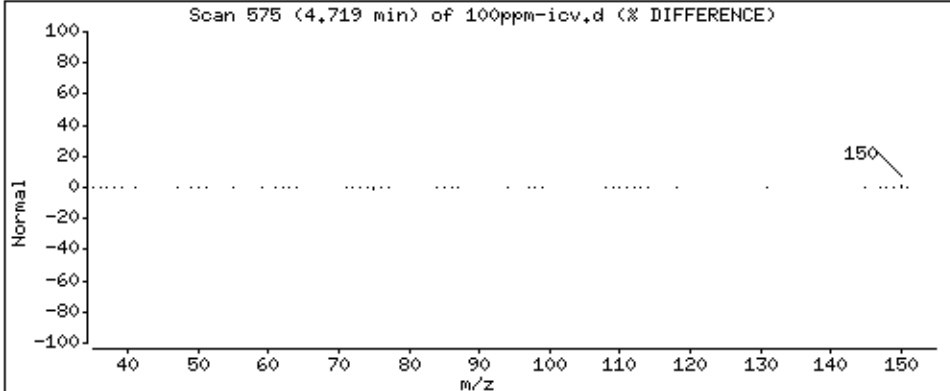
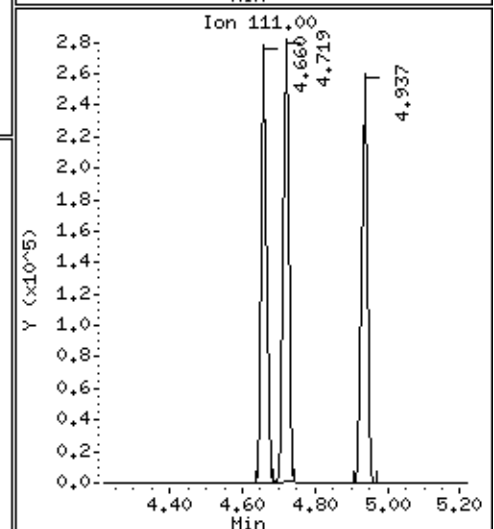
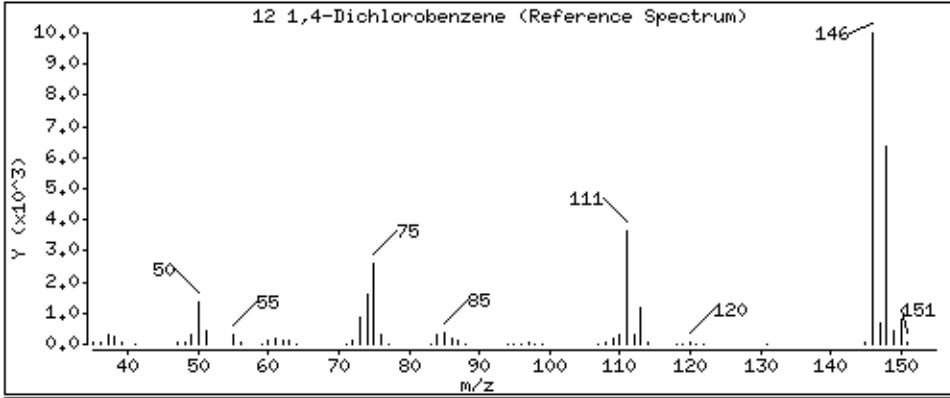
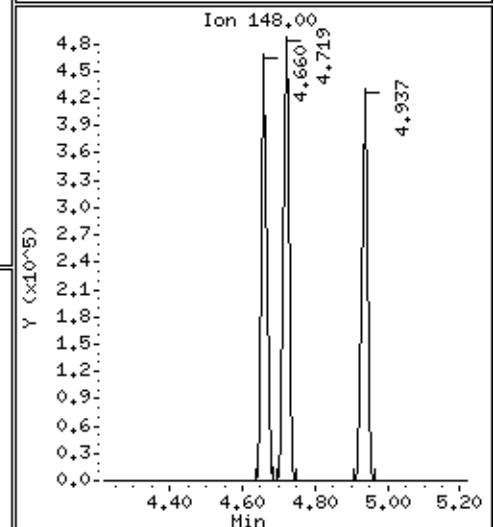
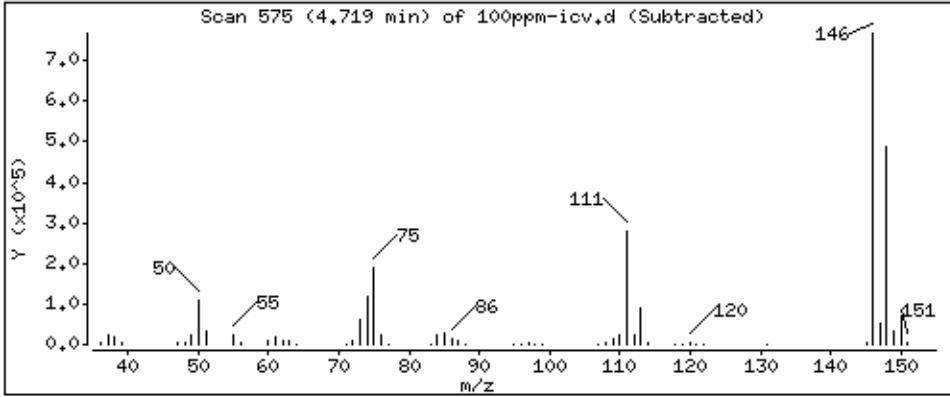
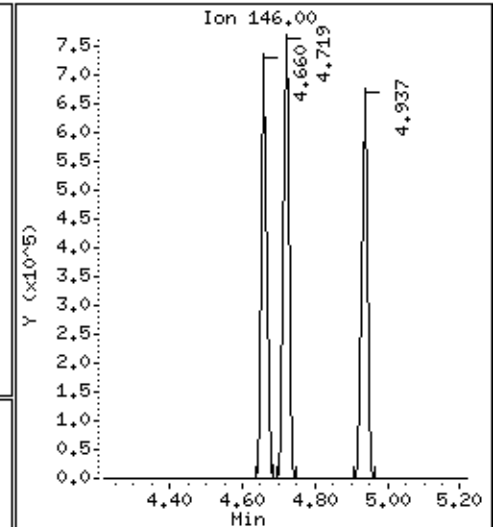
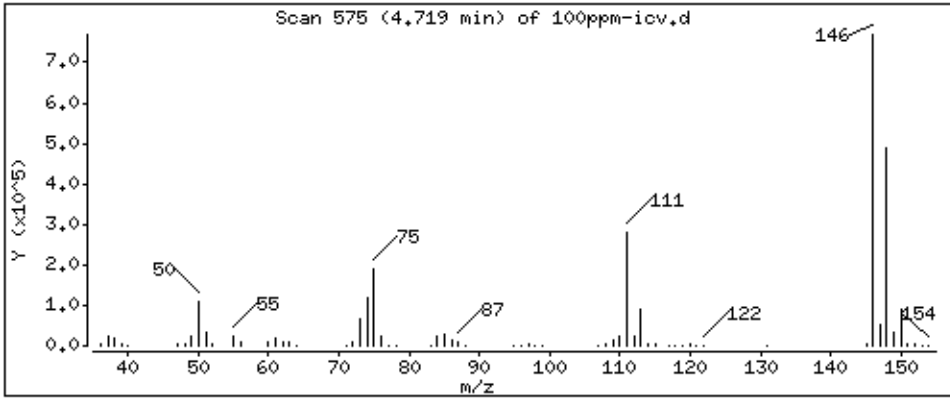
Operator: CEM

Column phase: .50um DB-5ms

Column diameter: 0,25

12 1,4-Dichlorobenzene

Concentration: 102.6 ug/L



Date : 09-JUN-2014 16:19

Client ID:

Instrument: 50MSS2.i

Sample Info: ICV,70293:1

Volume Injected (uL): 1.0

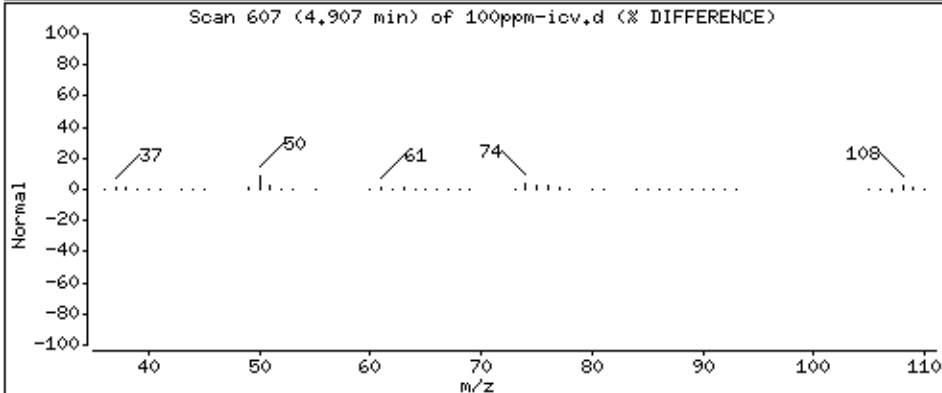
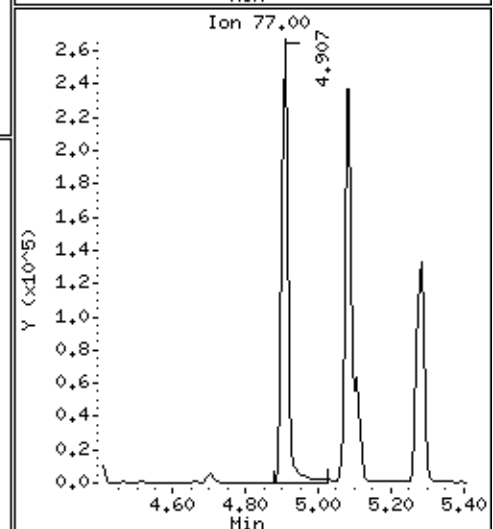
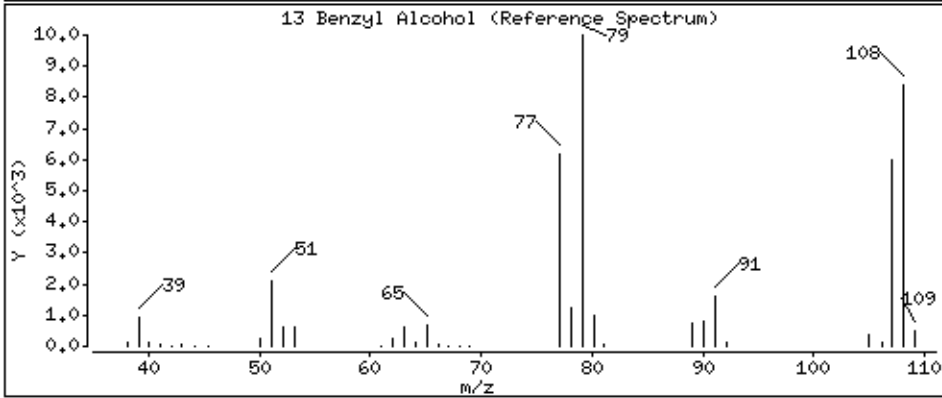
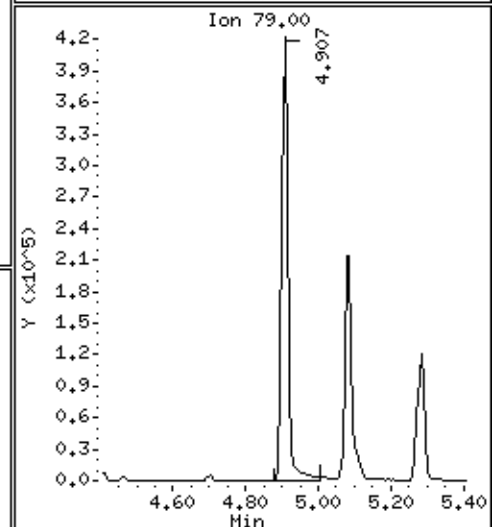
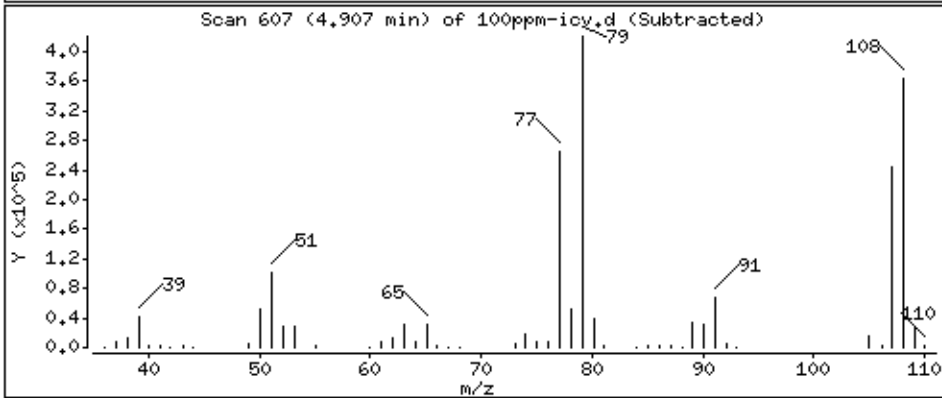
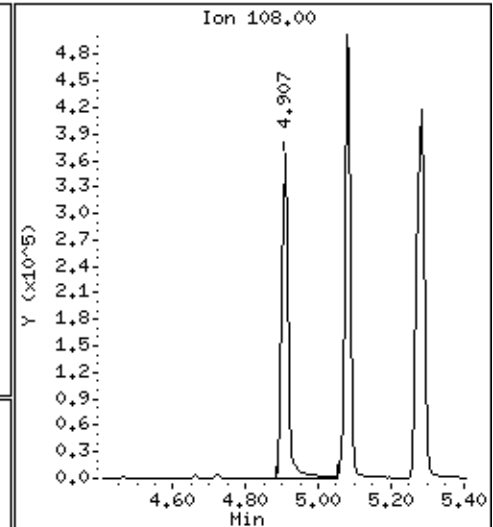
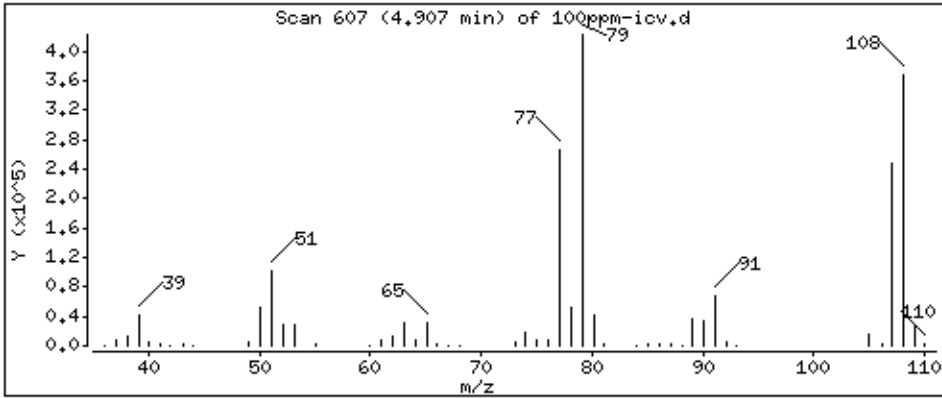
Operator: CEM

Column phase: .50um DB-5ms

Column diameter: 0,25

13 Benzyl Alcohol

Concentration: 108,5 ug/L



Date : 09-JUN-2014 16:19

Client ID:

Instrument: 50MSS2.i

Sample Info: ICV,70293:1

Volume Injected (uL): 1.0

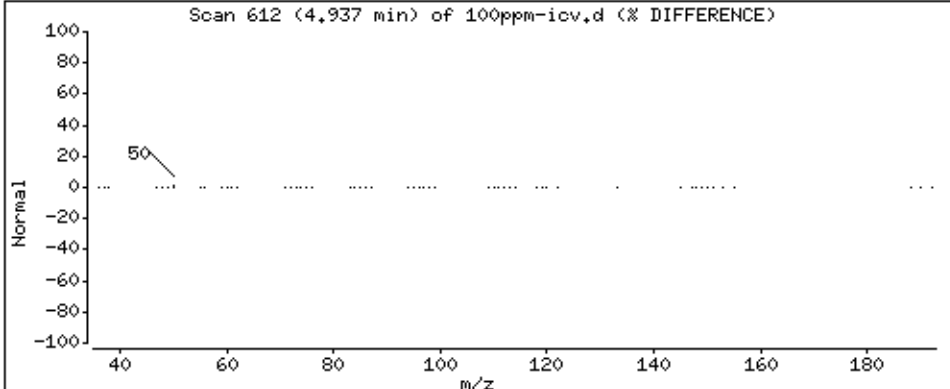
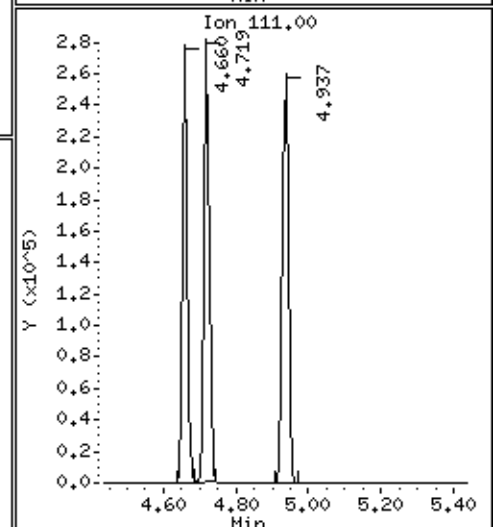
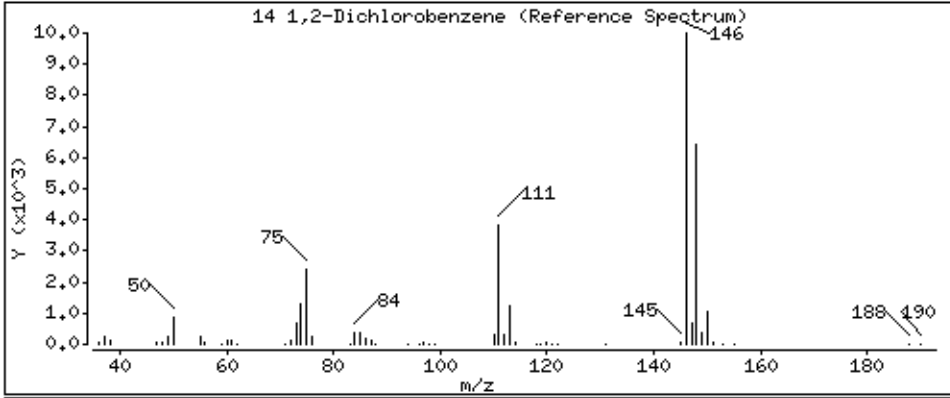
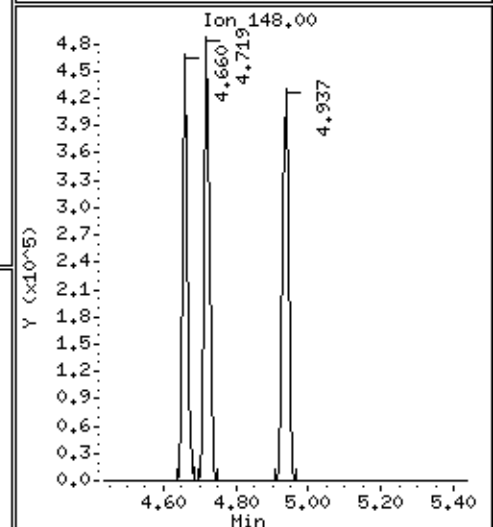
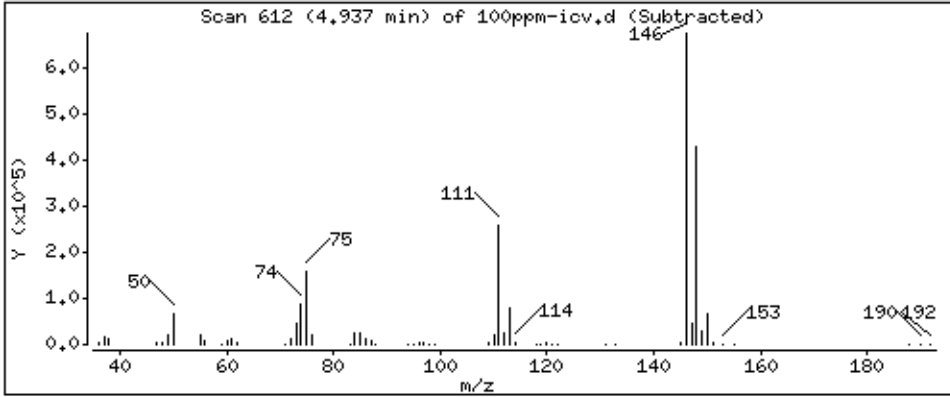
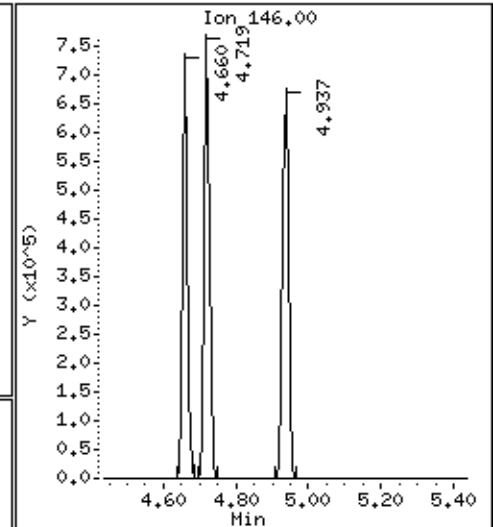
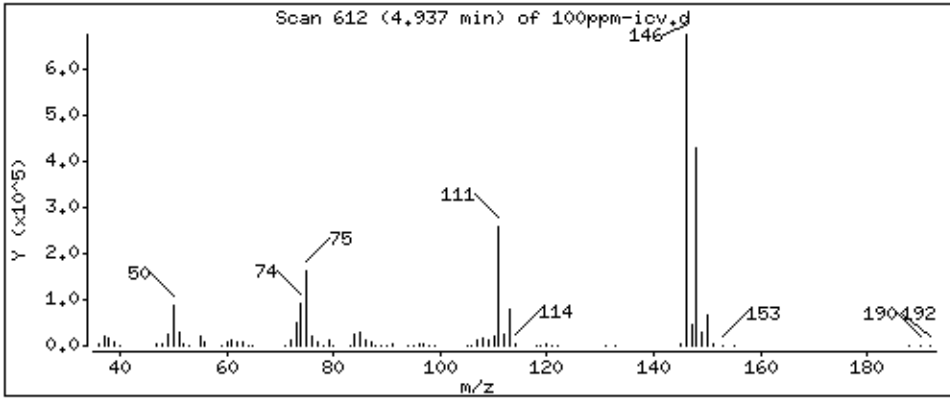
Operator: CEM

Column phase: .50um DB-5ms

Column diameter: 0,25

14 1,2-Dichlorobenzene

Concentration: 102.1 ug/L



Date : 09-JUN-2014 16:19

Client ID:

Instrument: 50MSS2.i

Sample Info: ICV,70293:1

Volume Injected (uL): 1.0

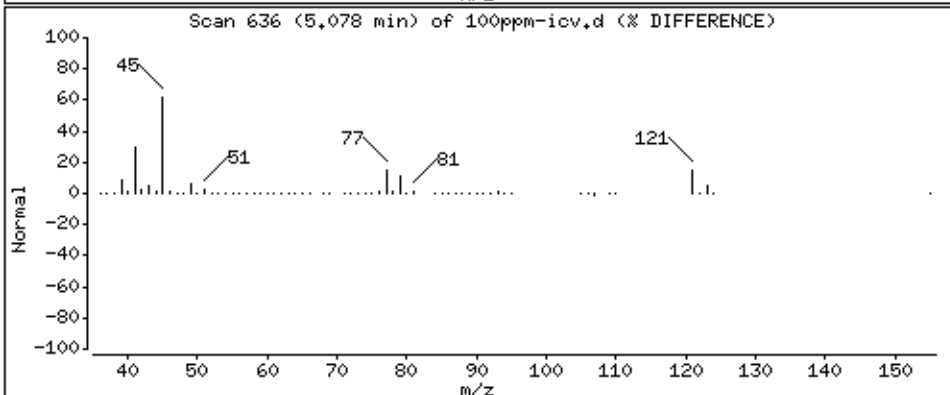
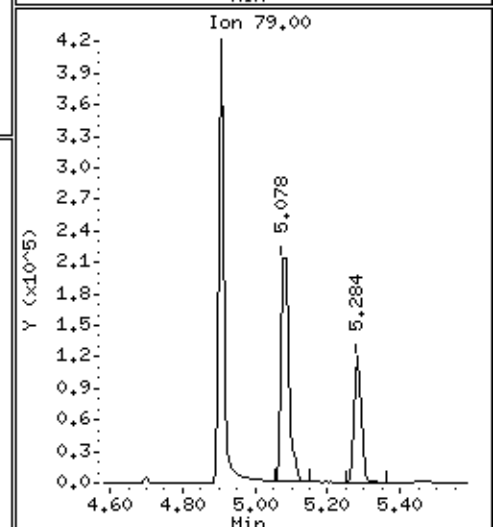
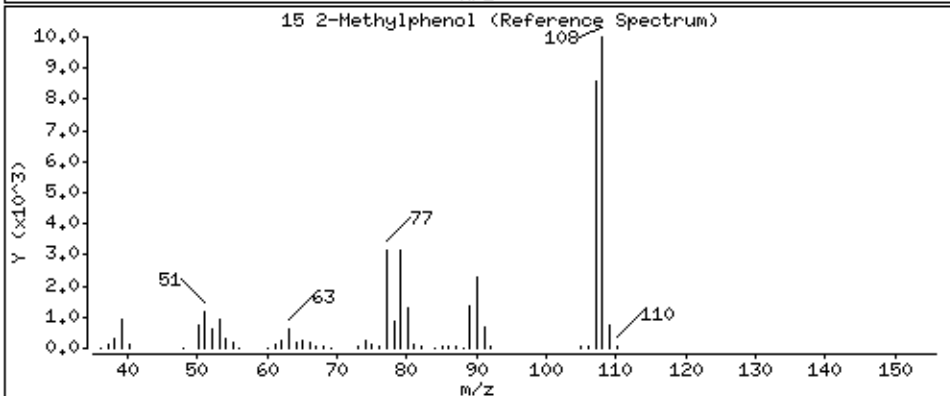
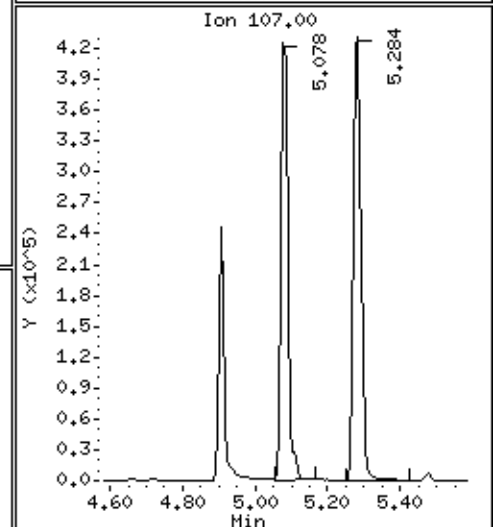
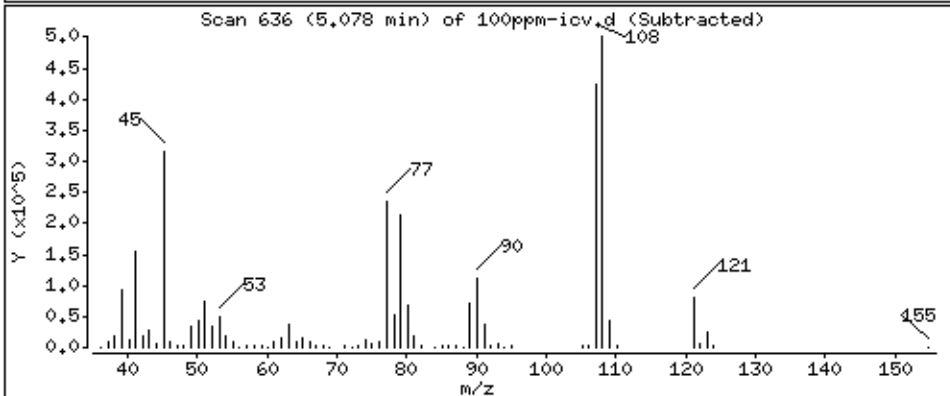
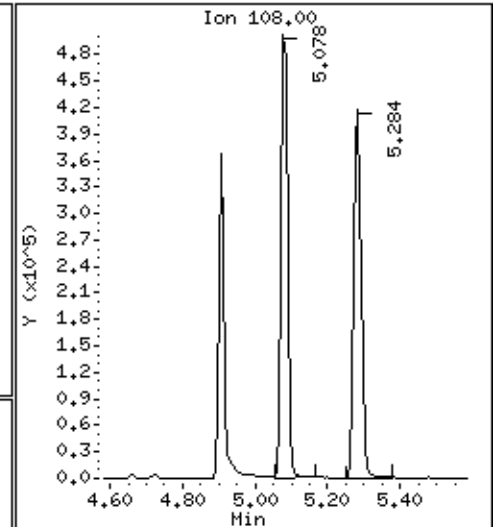
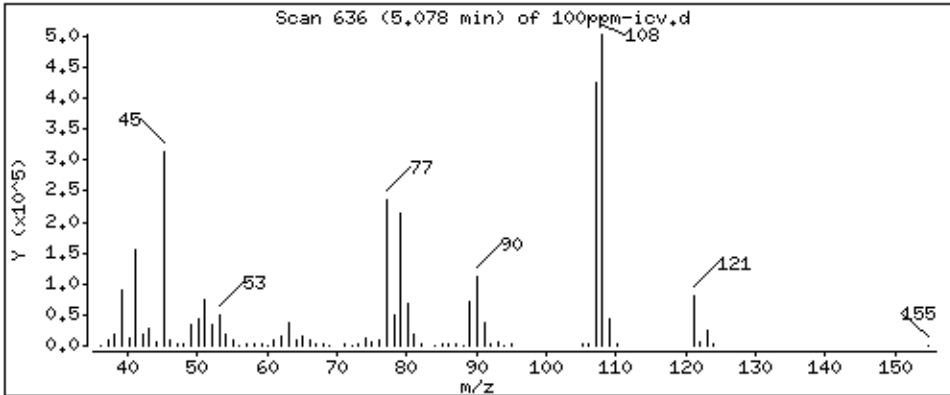
Operator: CEM

Column phase: .50um DB-5ms

Column diameter: 0,25

15 2-Methylphenol

Concentration: 106.8 ug/L



Date : 09-JUN-2014 16:19

Client ID:

Instrument: 50MSS2.i

Sample Info: ICV,70293:1

Volume Injected (uL): 1.0

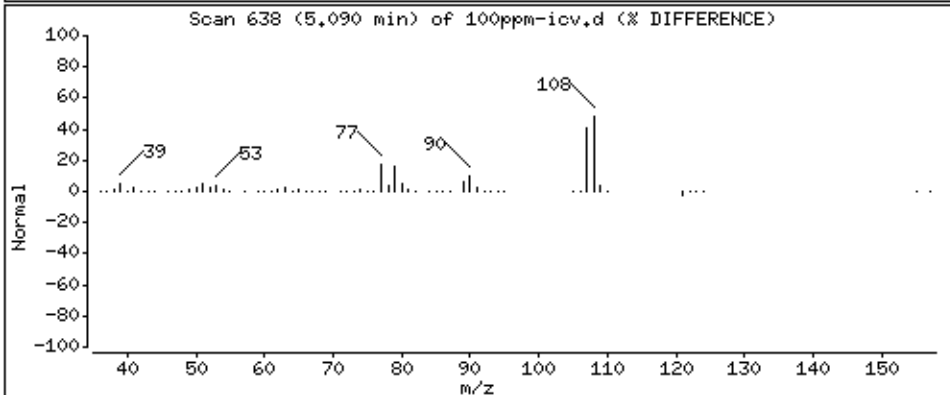
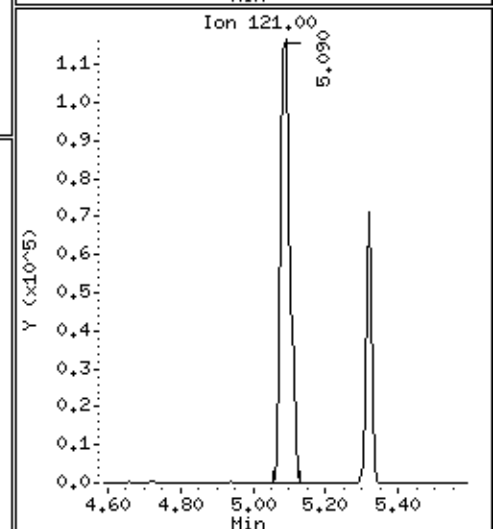
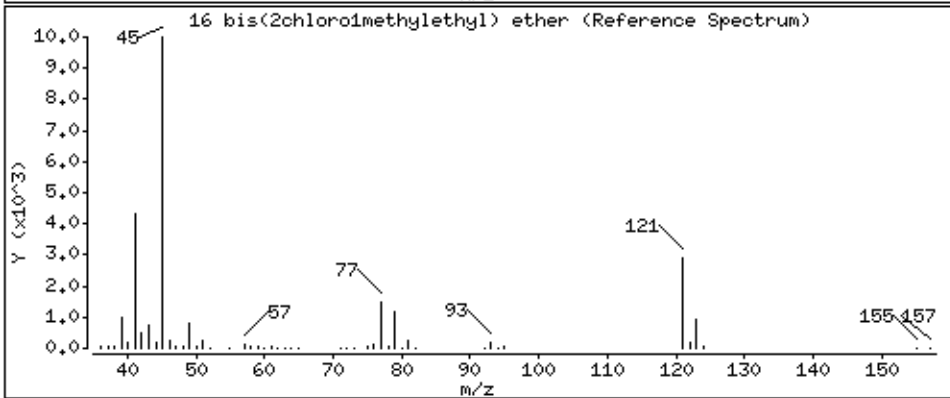
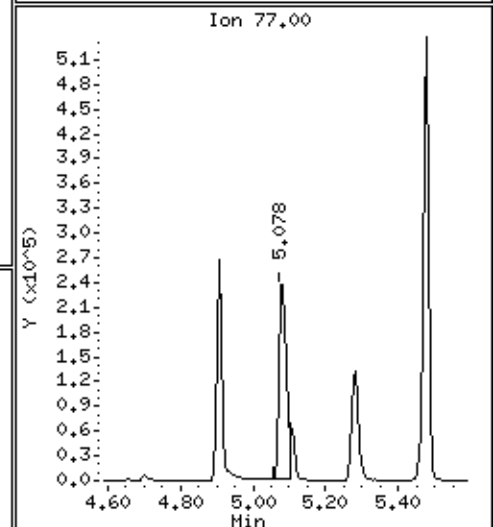
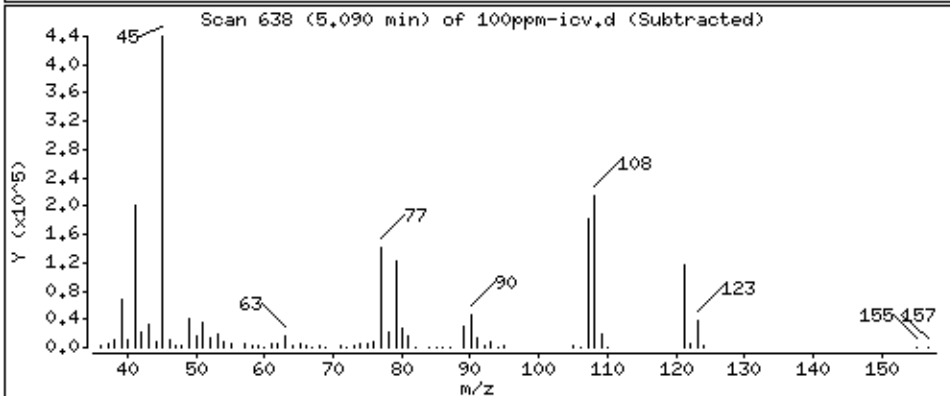
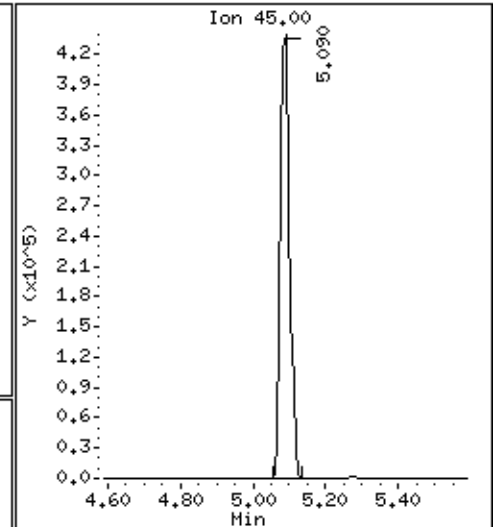
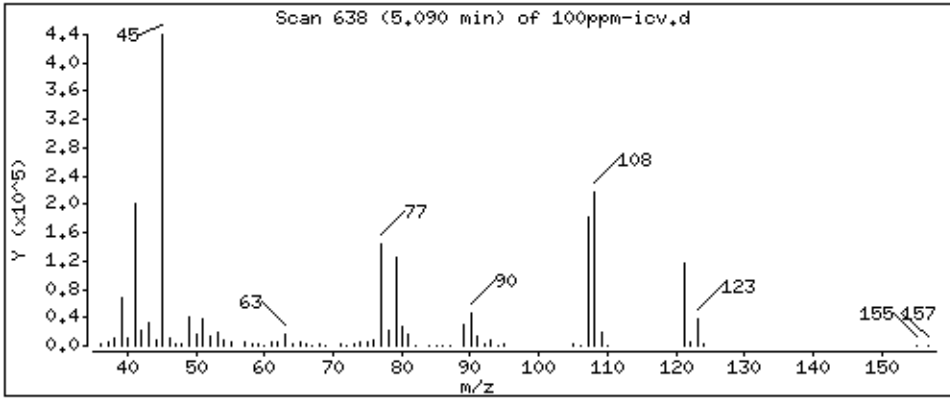
Operator: CEM

Column phase: .50um DB-5ms

Column diameter: 0,25

16 bis(2chloromethylethyl) ether

Concentration: 113,6 ug/L



Date : 09-JUN-2014 16:19

Client ID:

Instrument: 50MSS2.i

Sample Info: ICV,70293:1

Volume Injected (uL): 1.0

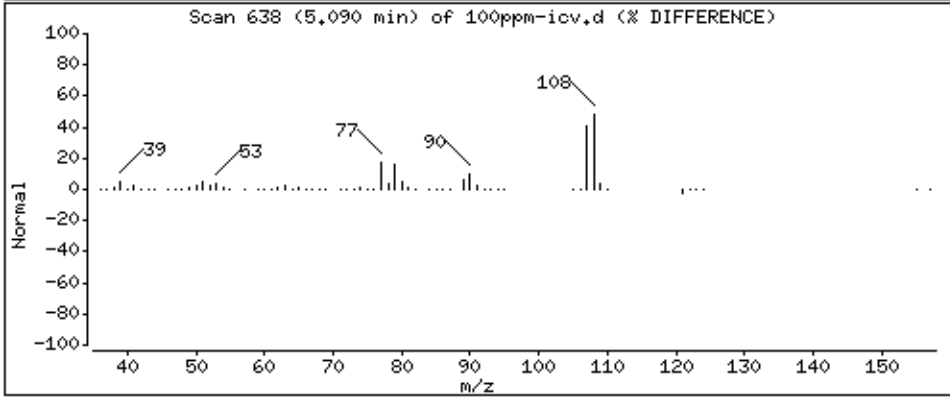
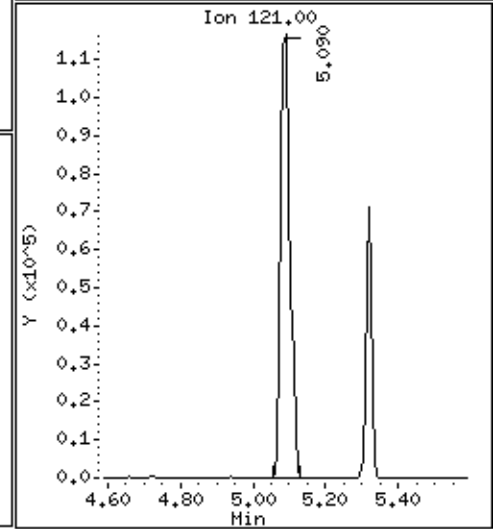
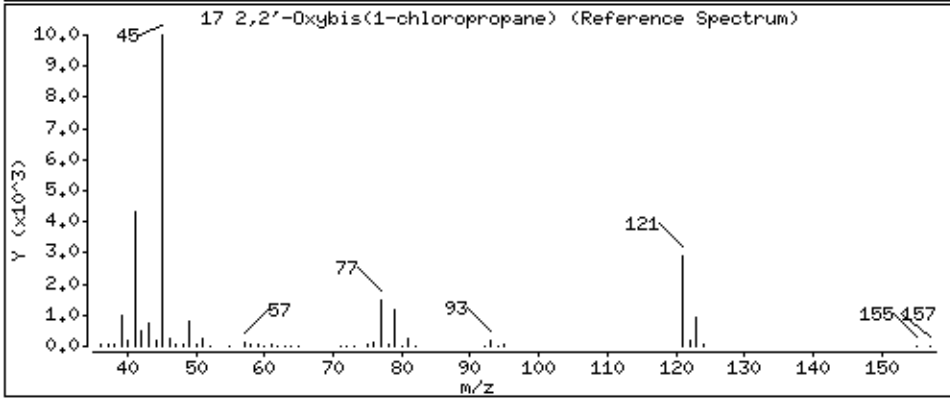
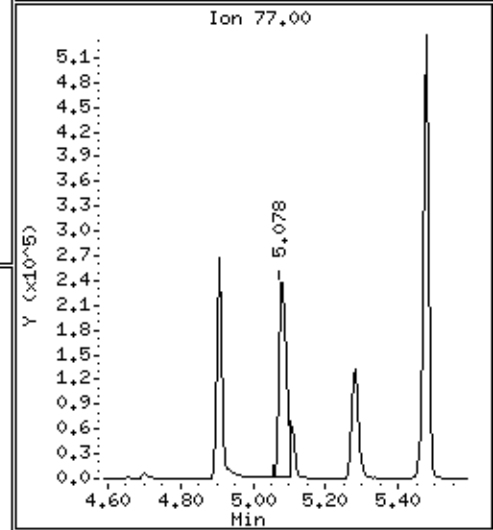
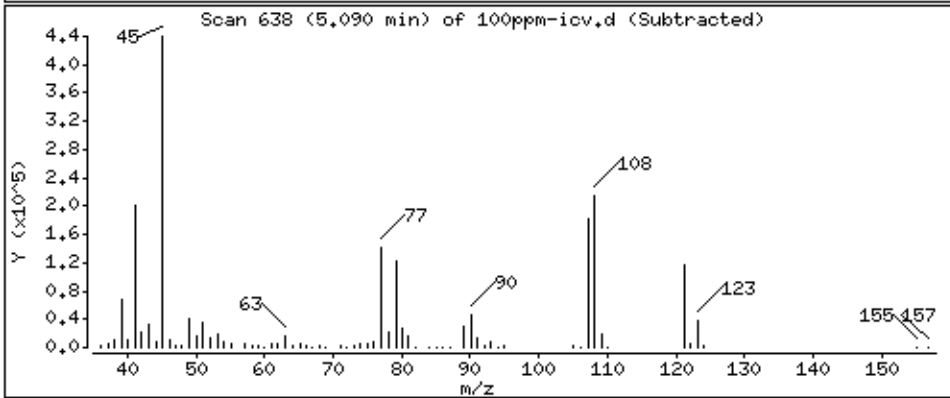
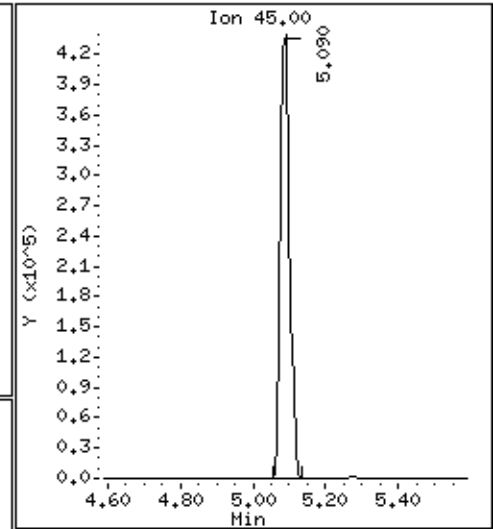
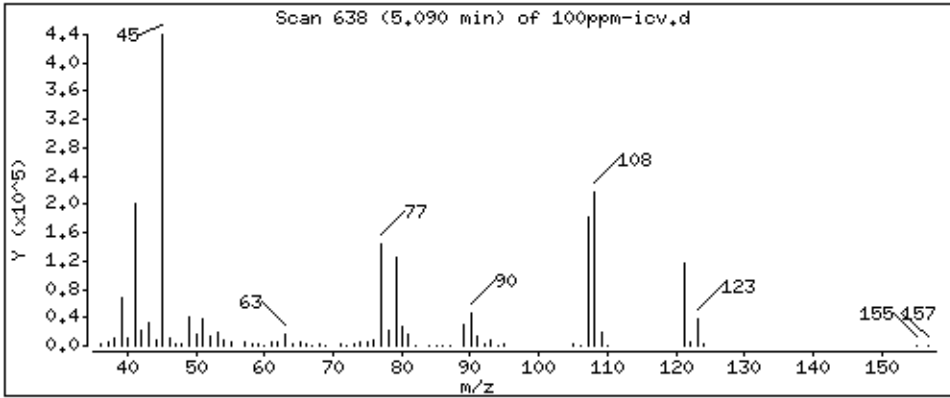
Operator: CEM

Column phase: .50um DB-5ms

Column diameter: 0,25

17 2,2'-Oxybis(1-chloropropane)

Concentration: 113,6 ug/L



Date : 09-JUN-2014 16:19

Client ID:

Instrument: 50MSS2.i

Sample Info: ICV,70293:1

Volume Injected (uL): 1.0

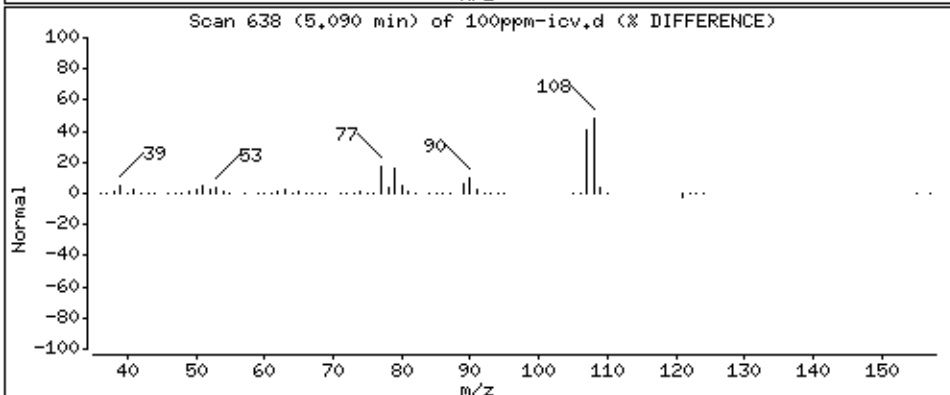
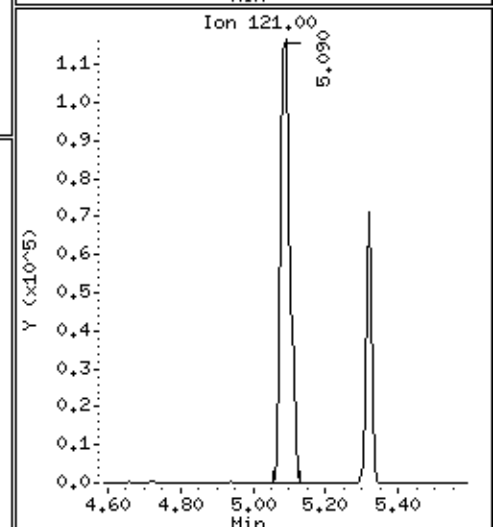
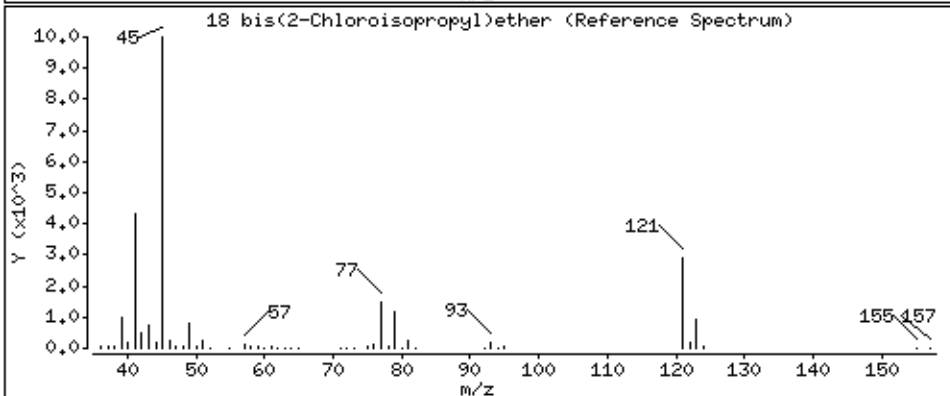
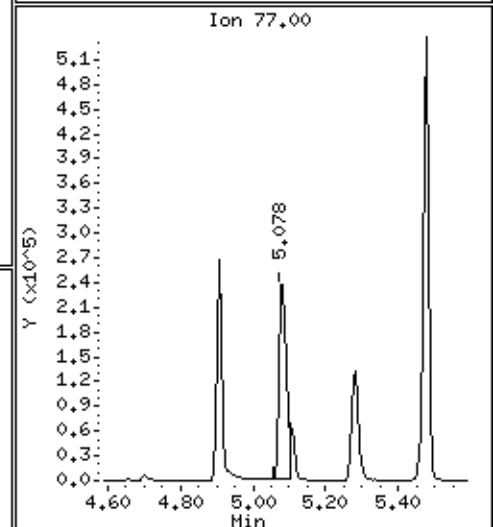
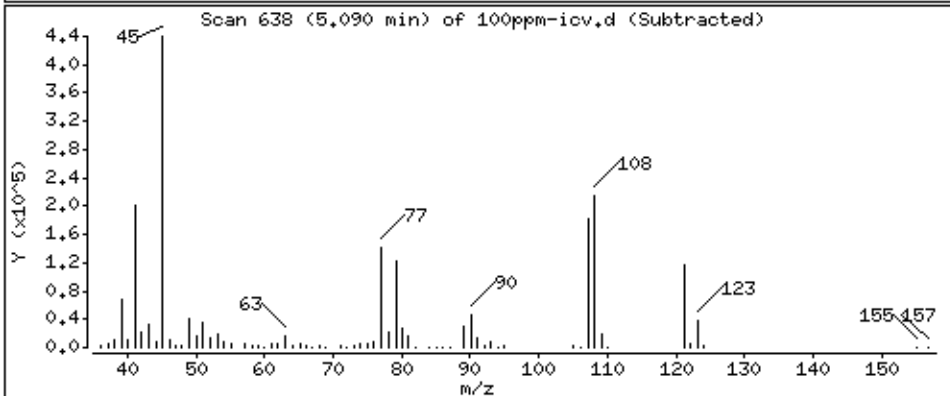
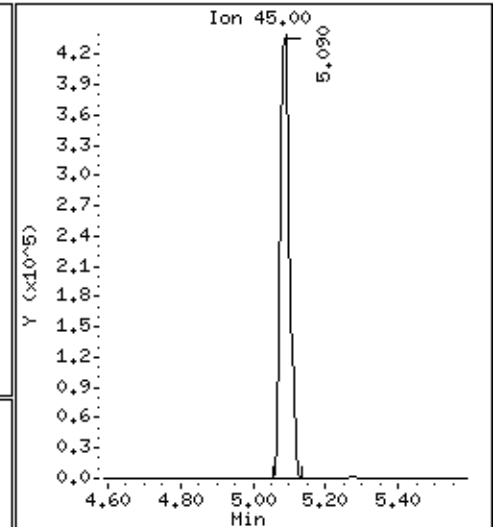
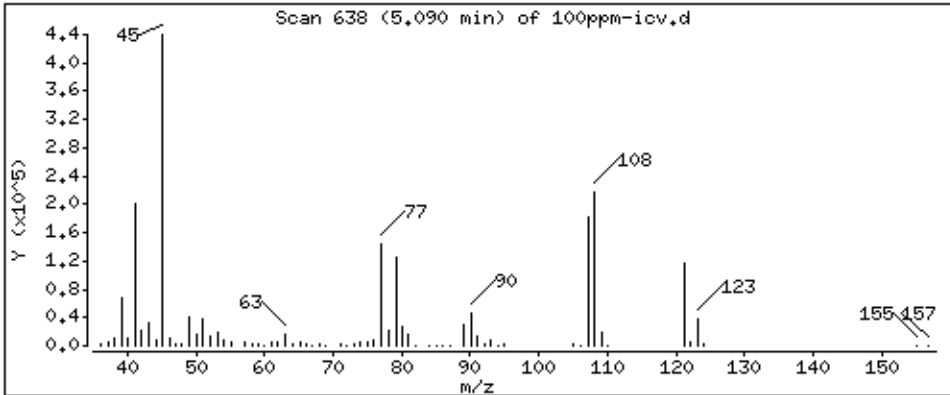
Operator: CEM

Column phase: .50um DB-5ms

Column diameter: 0,25

18 bis(2-Chloroisopropyl)ether

Concentration: 113,6 ug/L



Date : 09-JUN-2014 16:19

Client ID:

Instrument: 50MSS2.i

Sample Info: ICV,70293:1

Volume Injected (uL): 1.0

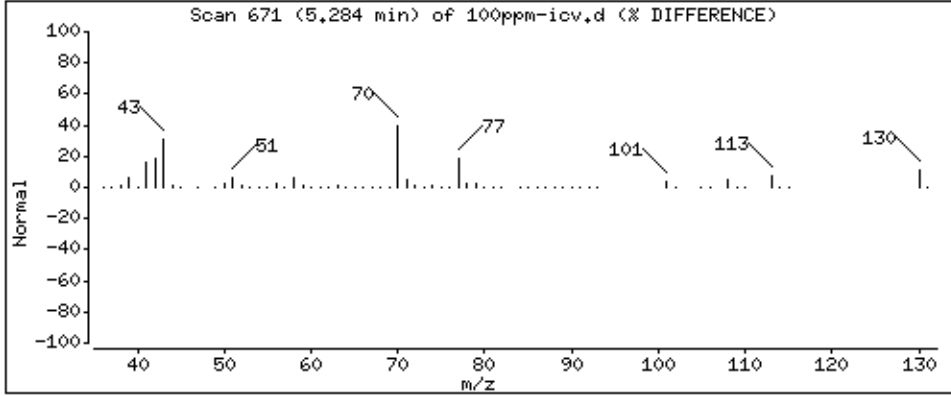
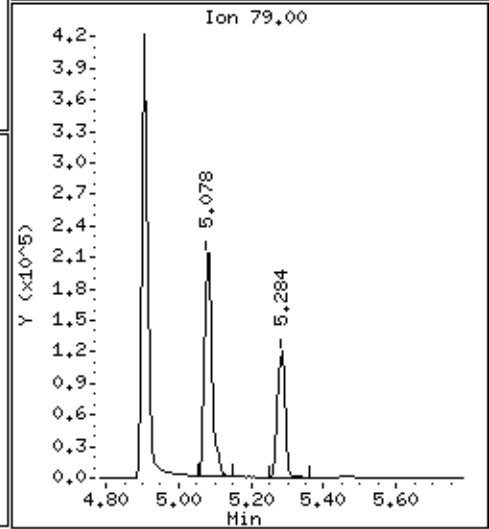
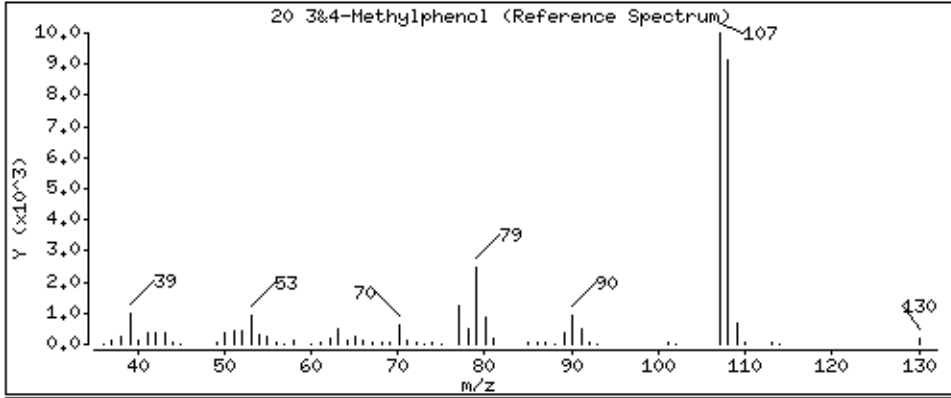
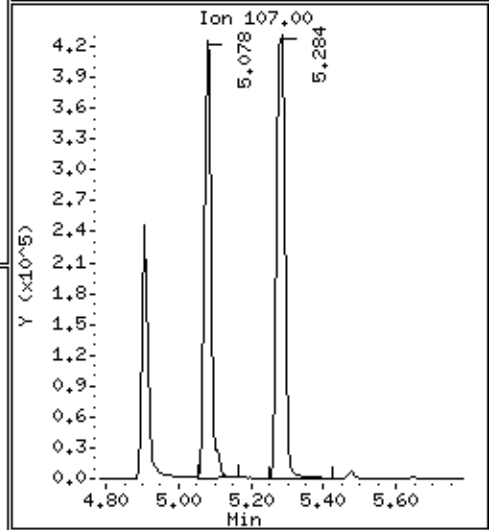
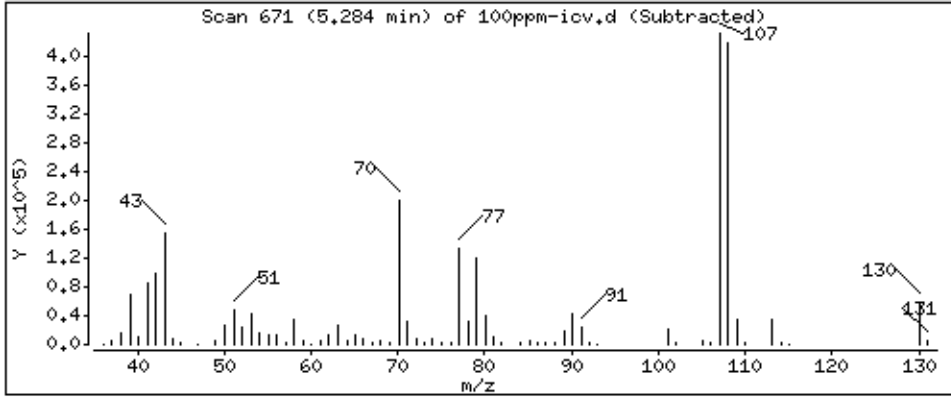
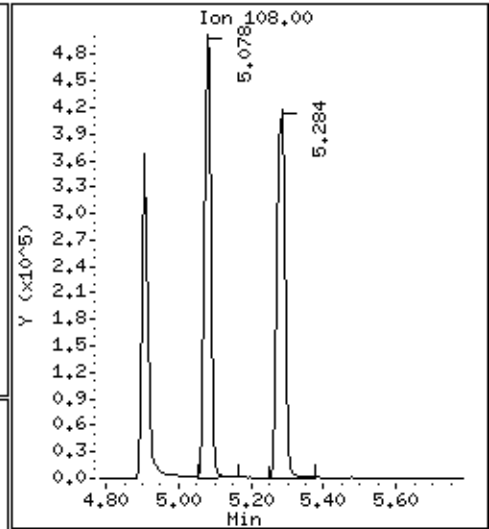
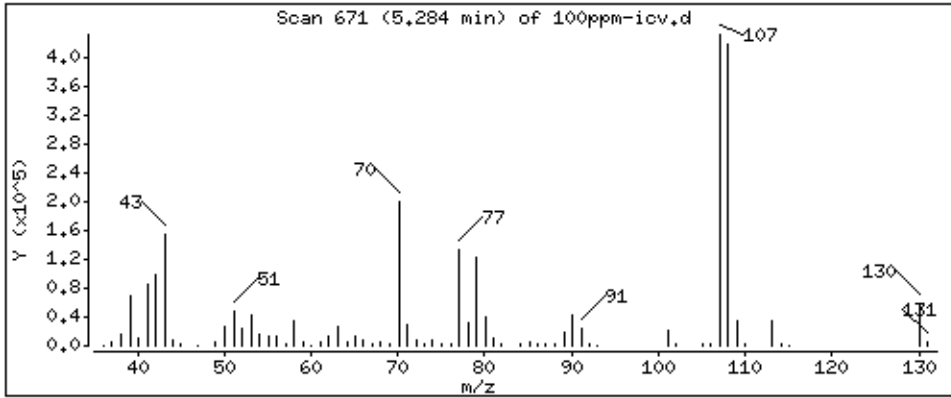
Operator: CEM

Column phase: .50um DB-5ms

Column diameter: 0,25

20 3&4-Methylphenol

Concentration: 103.0 ug/L



Date : 09-JUN-2014 16:19

Client ID:

Instrument: 50MSS2.i

Sample Info: ICV,70293:1

Volume Injected (uL): 1.0

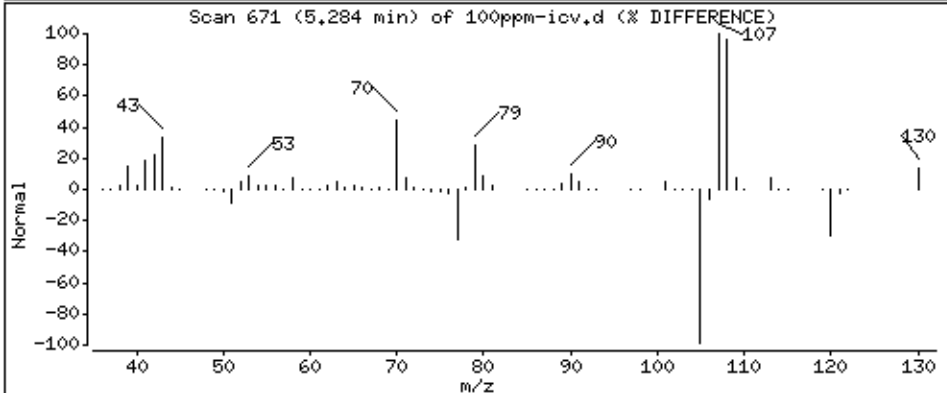
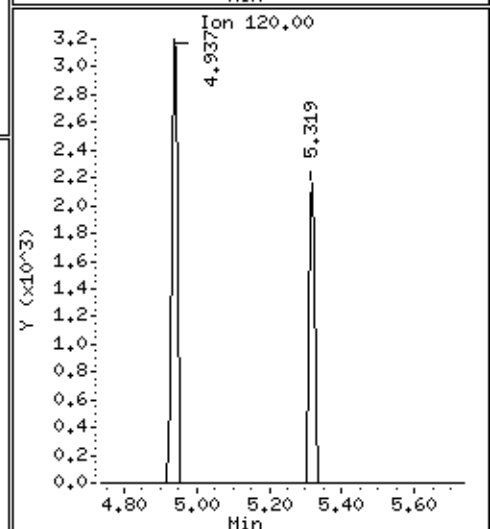
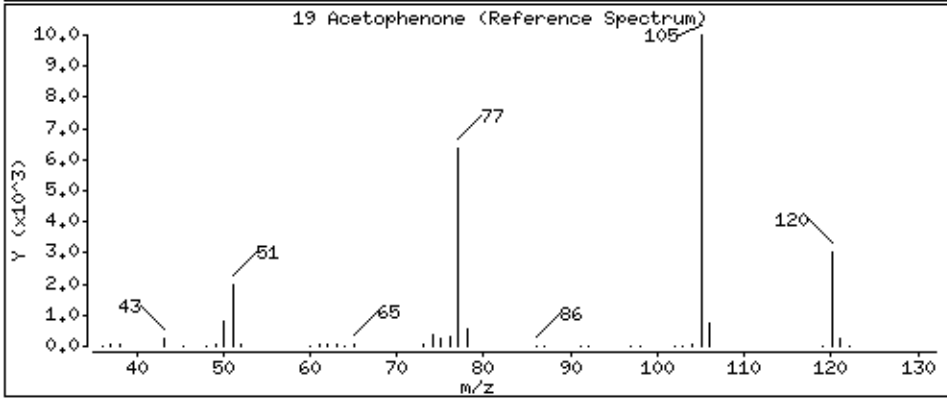
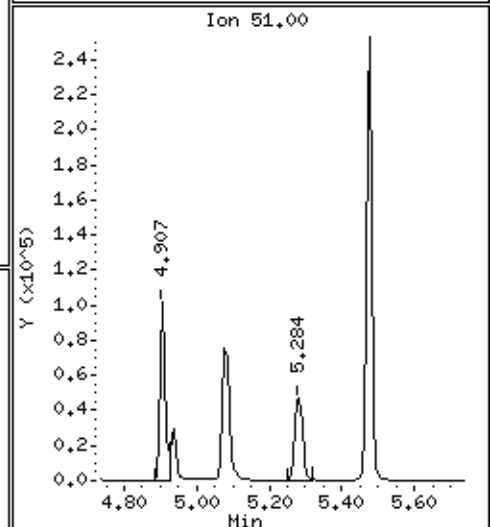
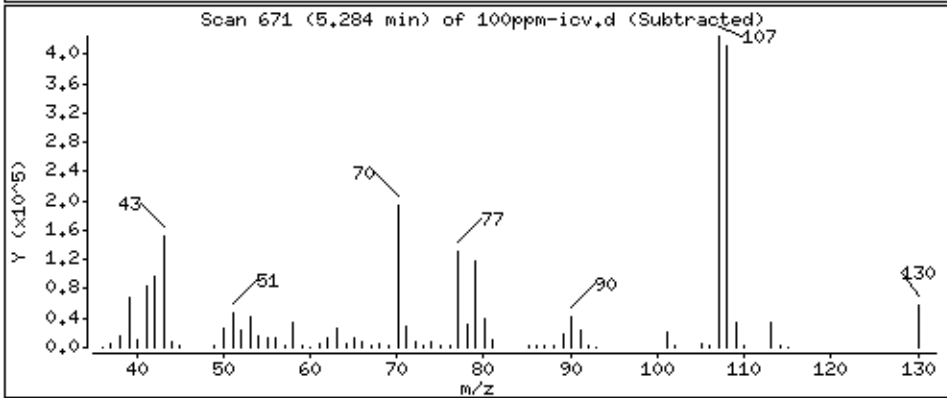
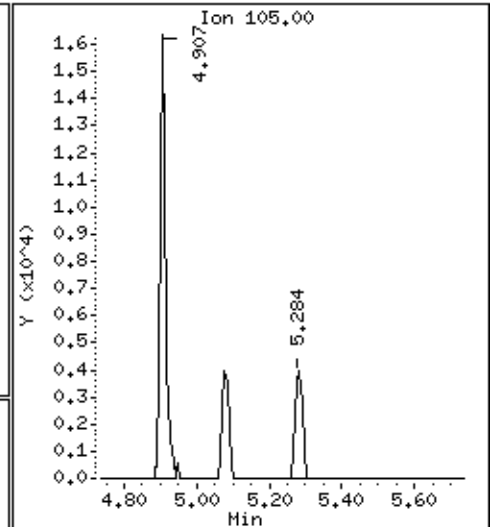
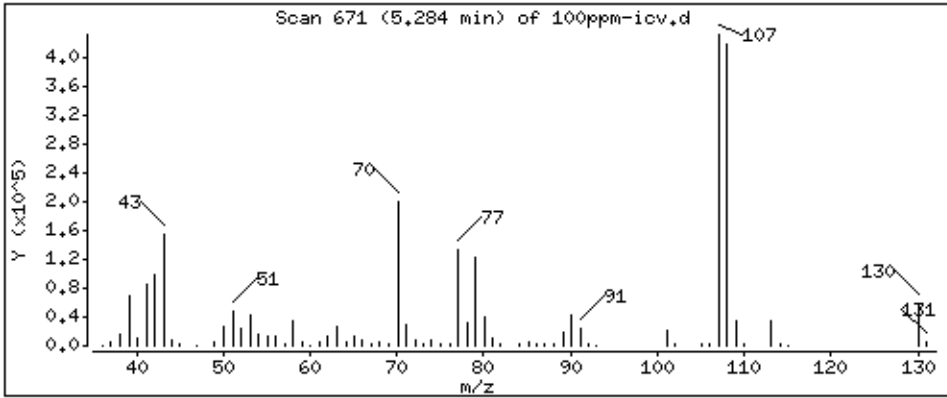
Operator: CEM

Column phase: .50um DB-5ms

Column diameter: 0,25

19 Acetophenone

Concentration: 0,627 ug/L



Date : 09-JUN-2014 16:19

Client ID:

Instrument: 50MSS2.i

Sample Info: ICV,70293:1

Volume Injected (uL): 1.0

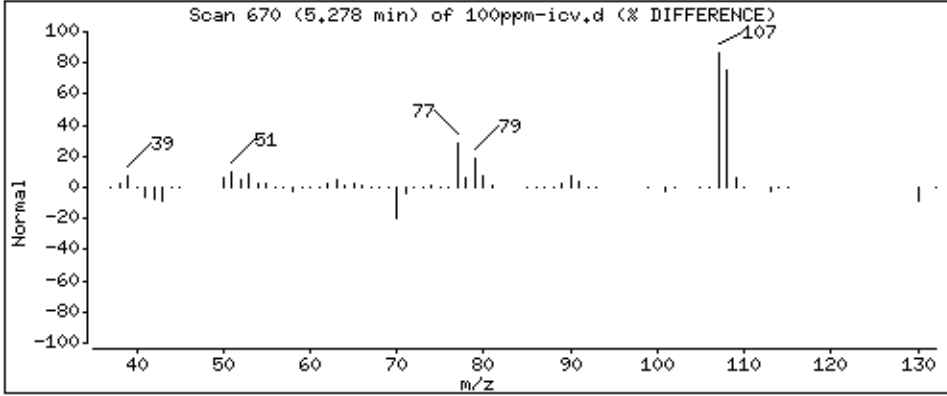
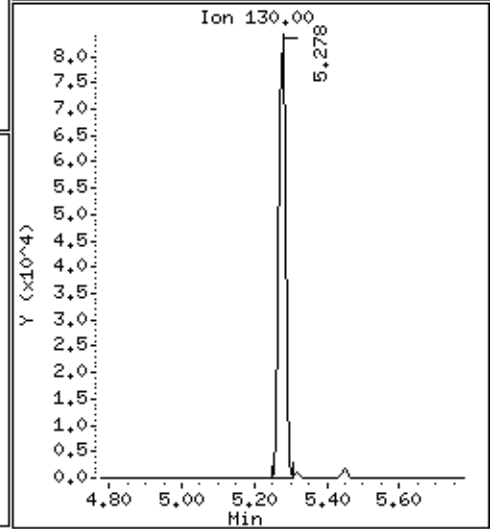
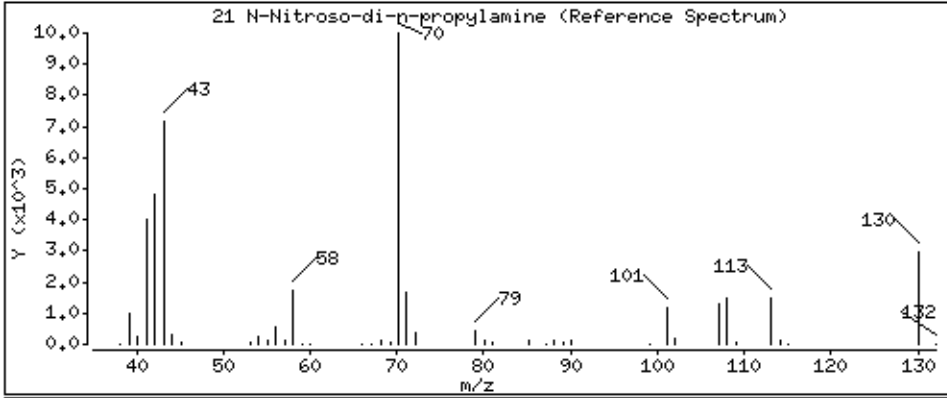
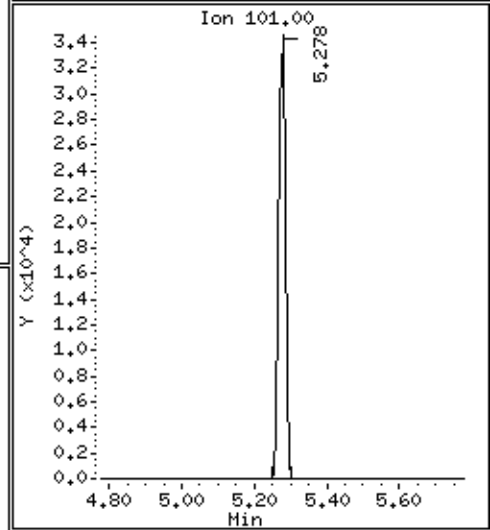
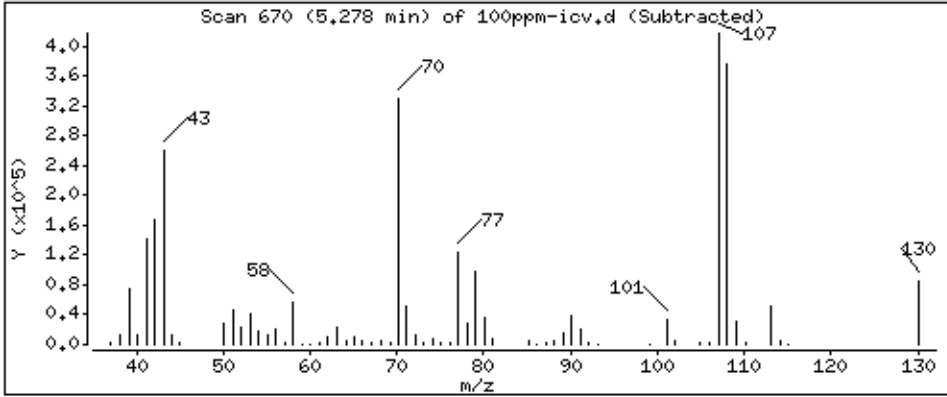
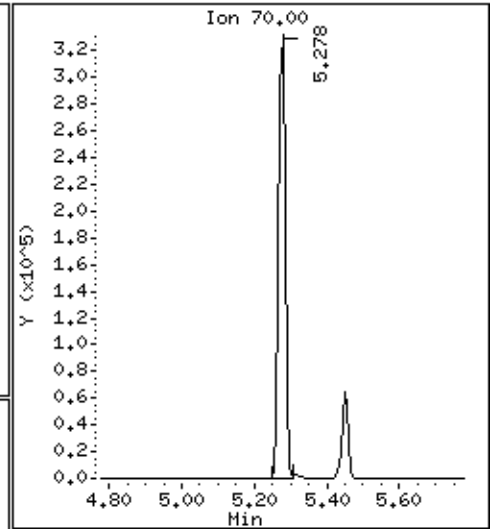
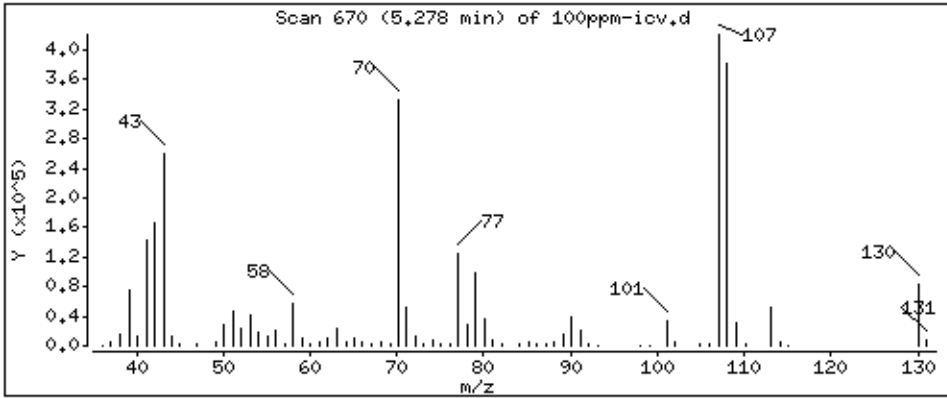
Operator: CEM

Column phase: .50um DB-5ms

Column diameter: 0,25

21 N-Nitroso-di-n-propylamine

Concentration: 102.4 ug/L



Date : 09-JUN-2014 16:19

Client ID:

Instrument: 50MSS2.i

Sample Info: ICV,70293:1

Volume Injected (uL): 1.0

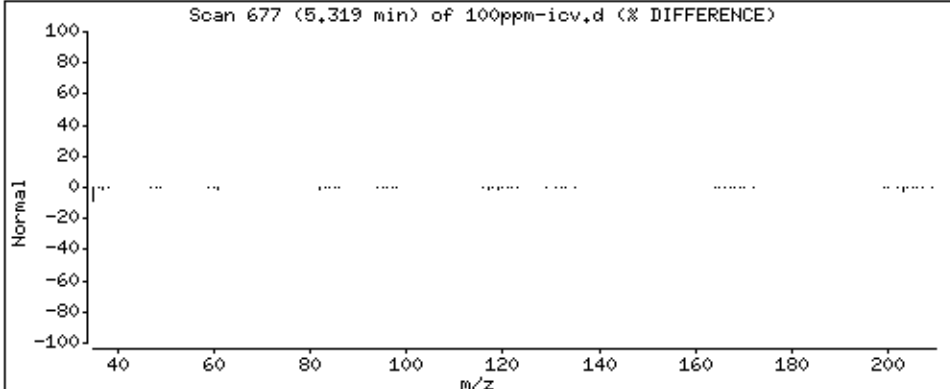
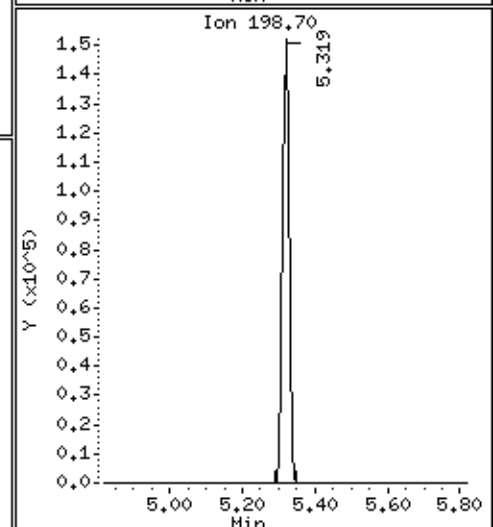
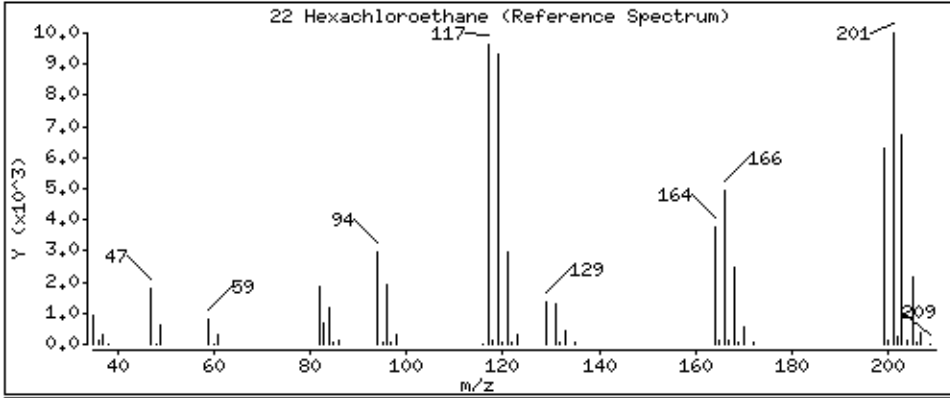
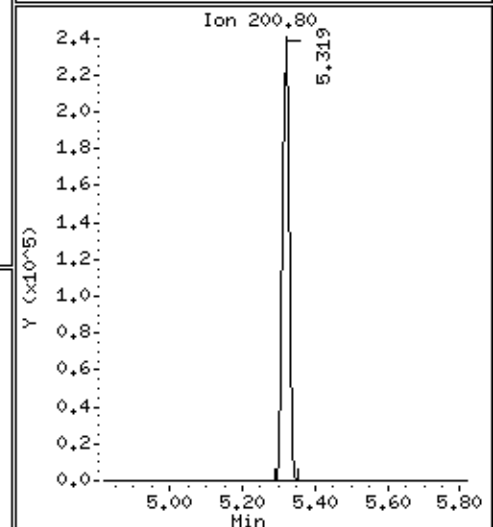
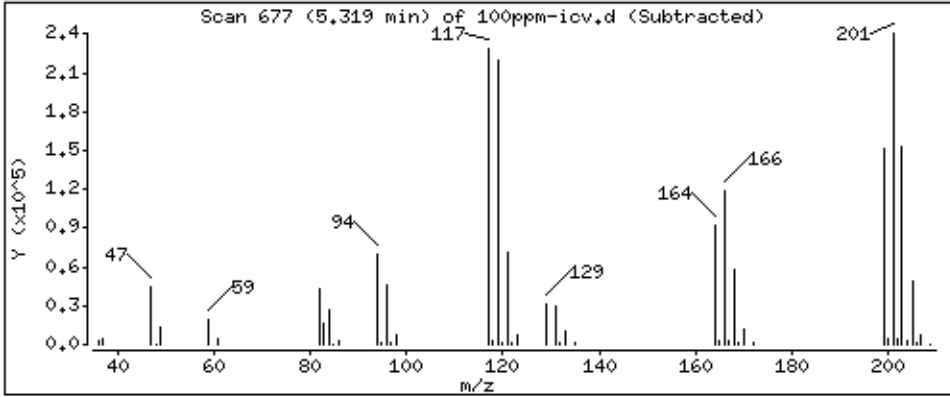
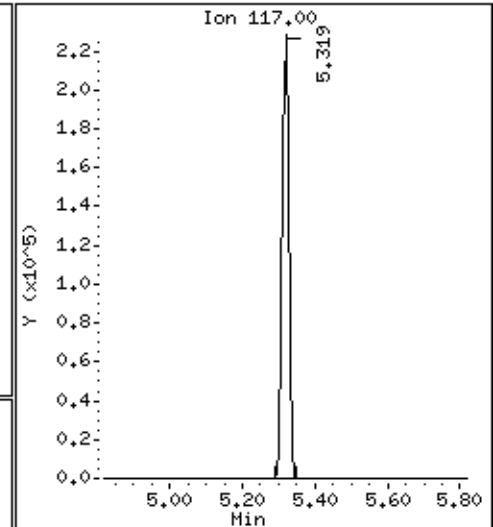
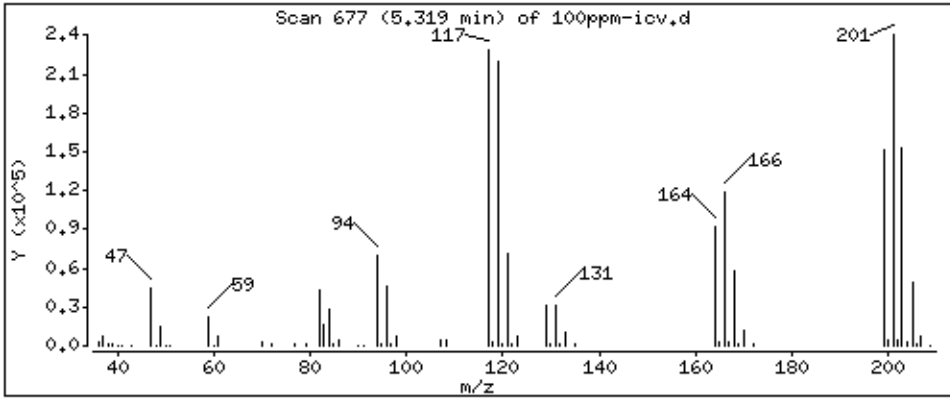
Operator: CEM

Column phase: .50um DB-5ms

Column diameter: 0,25

22 Hexachloroethane

Concentration: 103.8 ug/L



Date : 09-JUN-2014 16:19

Client ID:

Instrument: 50MSS2.i

Sample Info: ICV,70293:1

Volume Injected (uL): 1.0

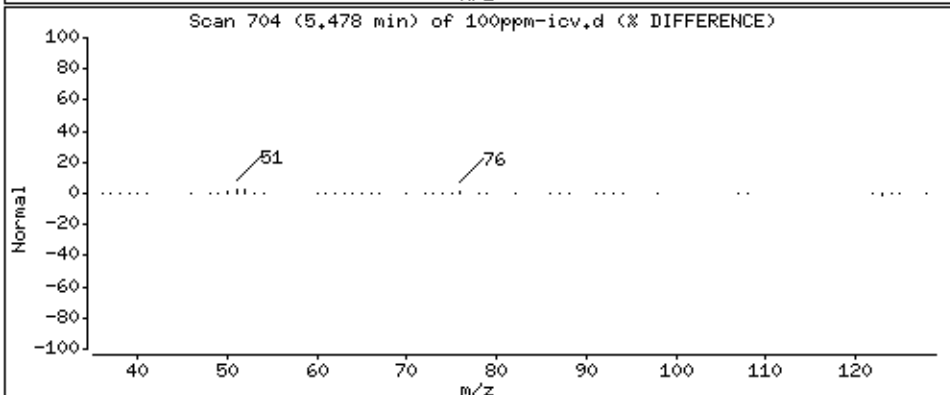
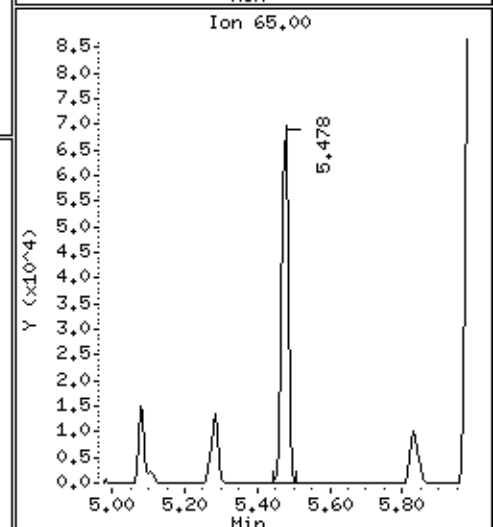
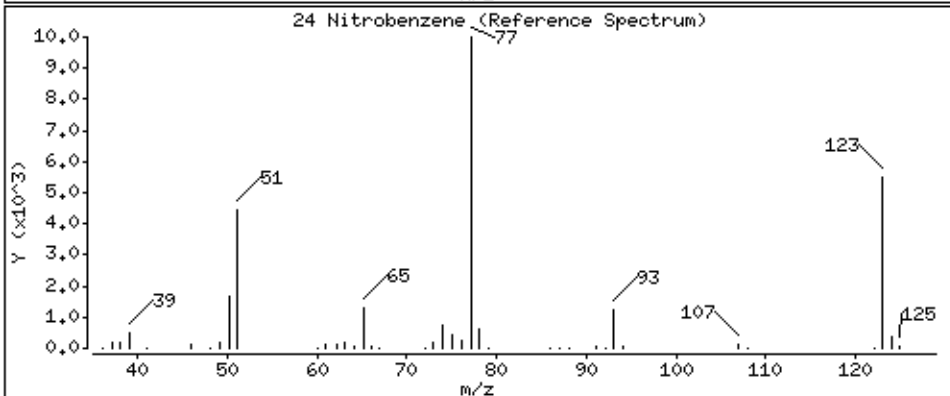
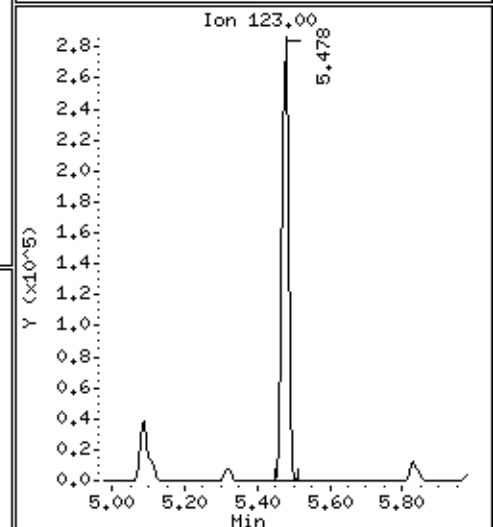
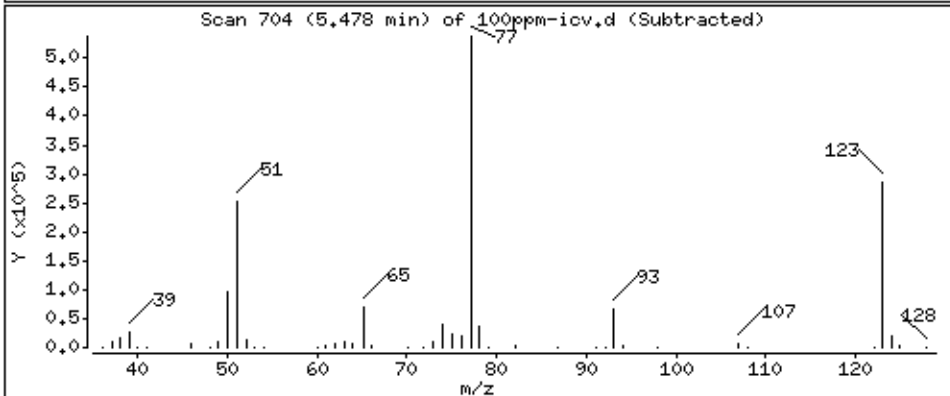
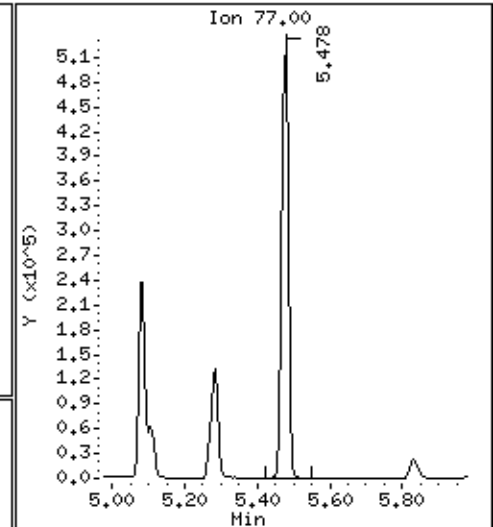
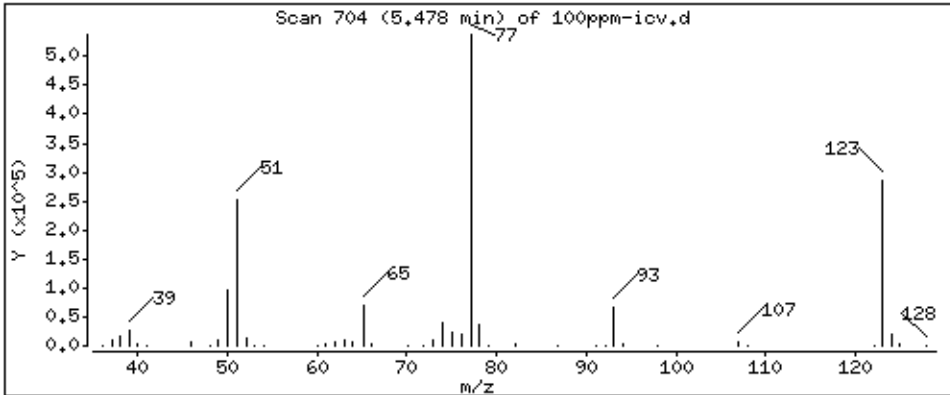
Operator: CEM

Column phase: .50um DB-5ms

Column diameter: 0,25

24 Nitrobenzene

Concentration: 104.7 ug/L



Date : 09-JUN-2014 16:19

Client ID:

Instrument: 50MSS2.i

Sample Info: ICV,70293:1

Volume Injected (uL): 1.0

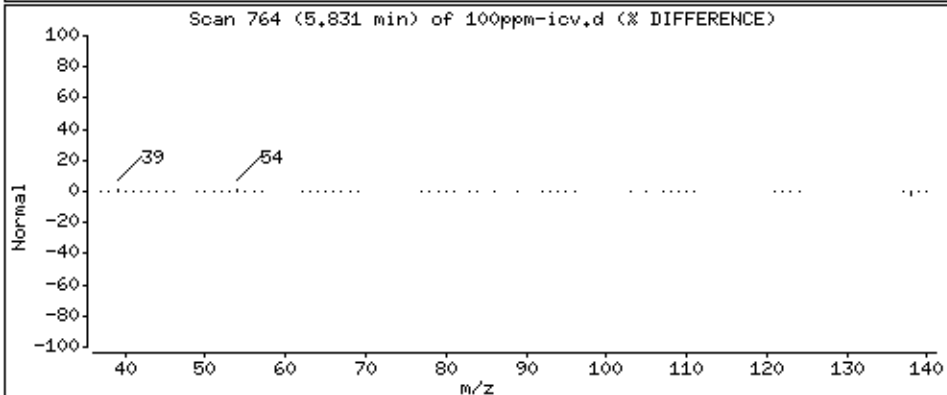
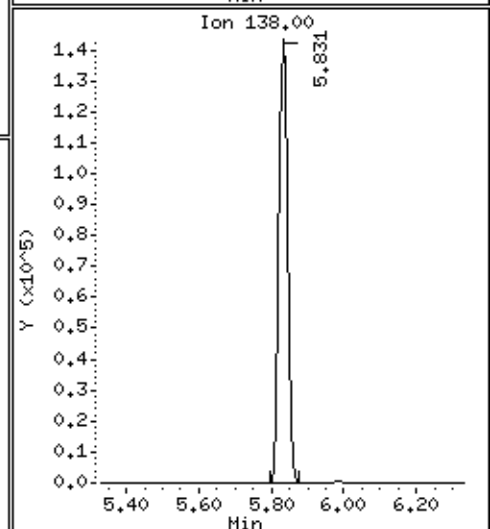
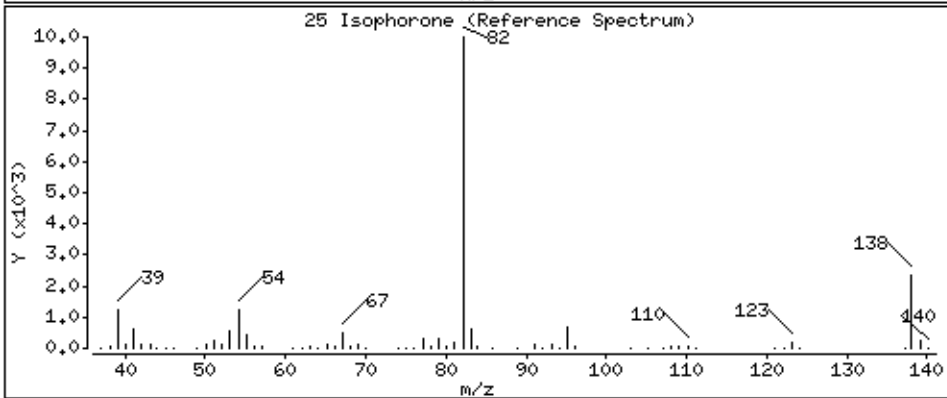
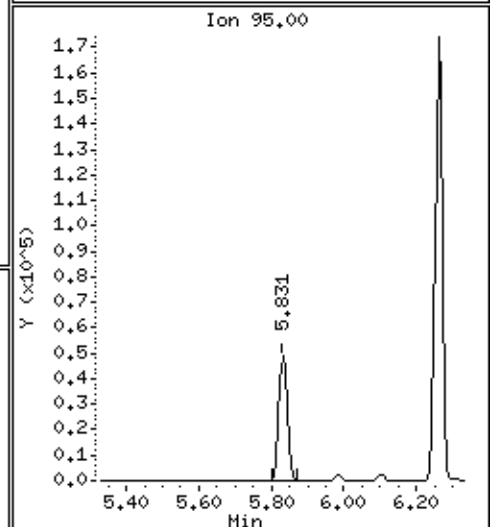
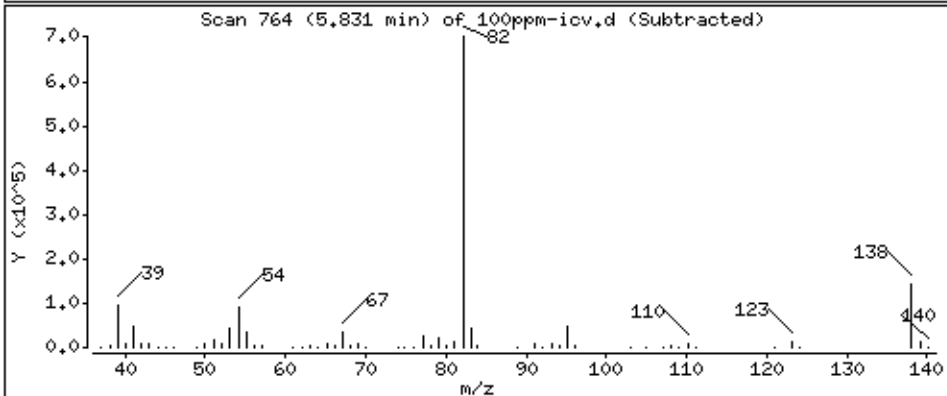
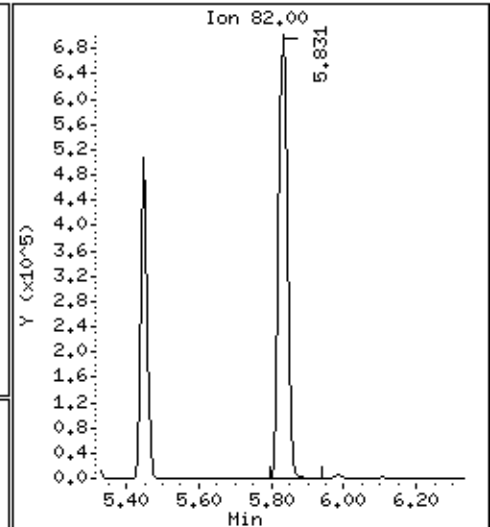
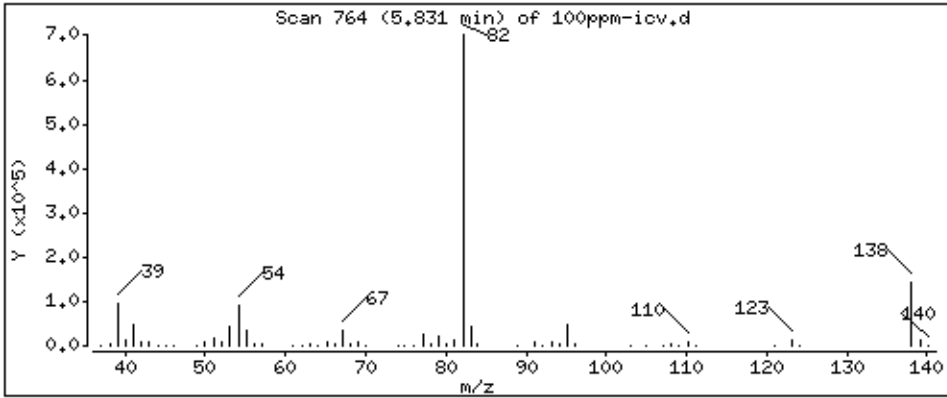
Operator: CEM

Column phase: .50um DB-5ms

Column diameter: 0,25

25 Isophorone

Concentration: 101.9 ug/L



Date : 09-JUN-2014 16:19

Client ID:

Instrument: 50MSS2.i

Sample Info: ICV,70293:1

Volume Injected (uL): 1.0

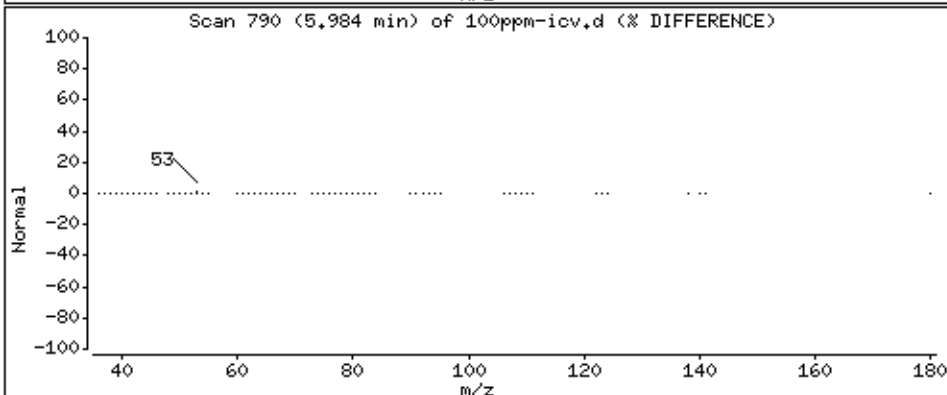
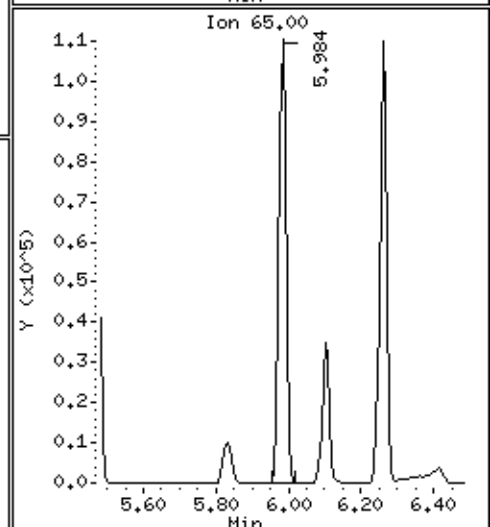
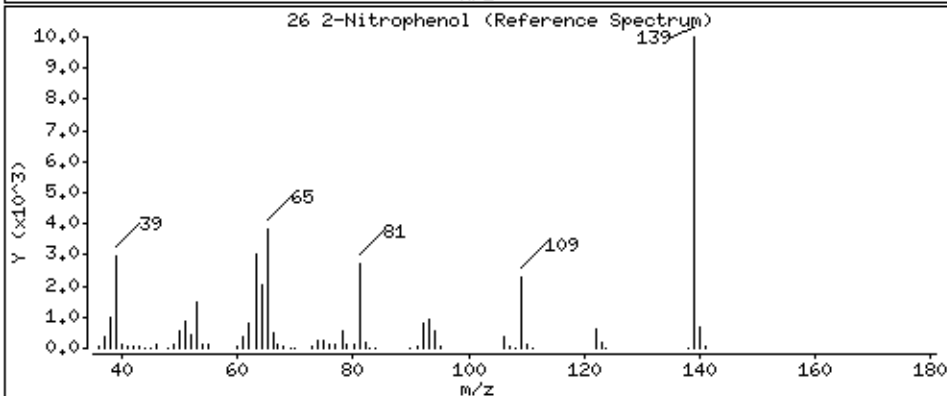
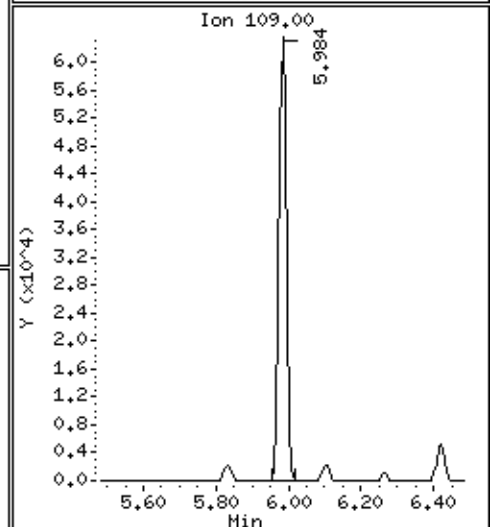
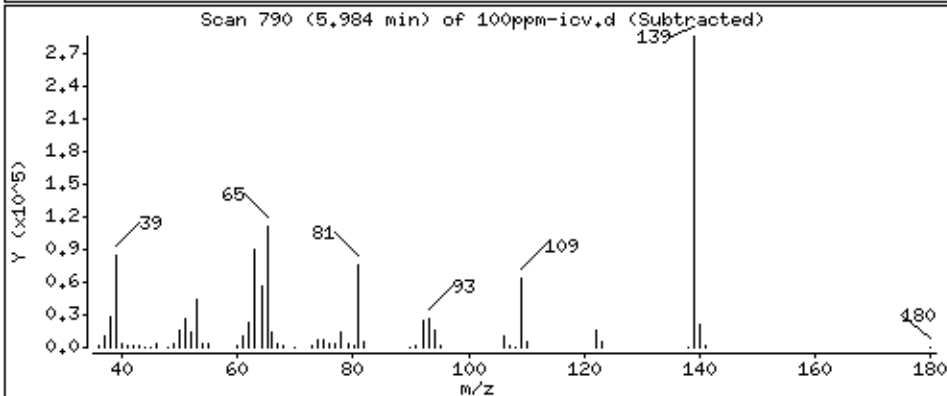
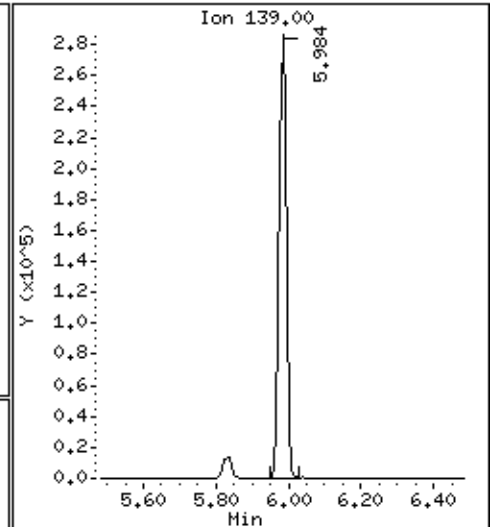
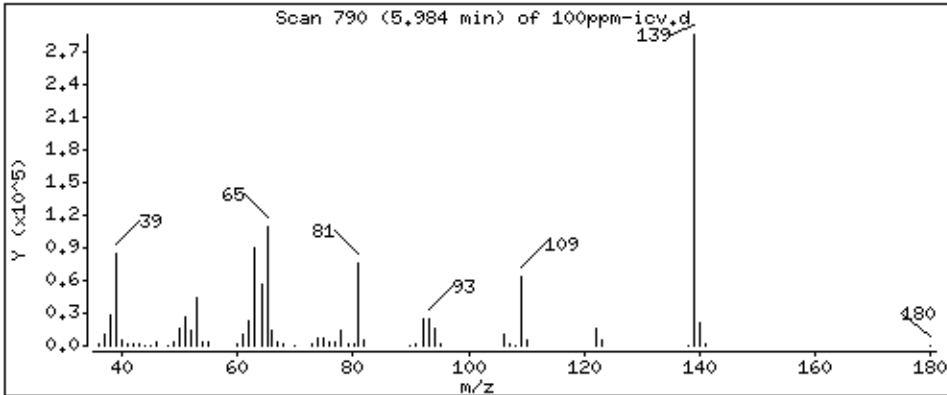
Operator: CEM

Column phase: .50um DB-5ms

Column diameter: 0,25

26 2-Nitrophenol

Concentration: 105.8 ug/L



Date : 09-JUN-2014 16:19

Client ID:

Instrument: 50MSS2.i

Sample Info: ICV,70293:1

Volume Injected (uL): 1.0

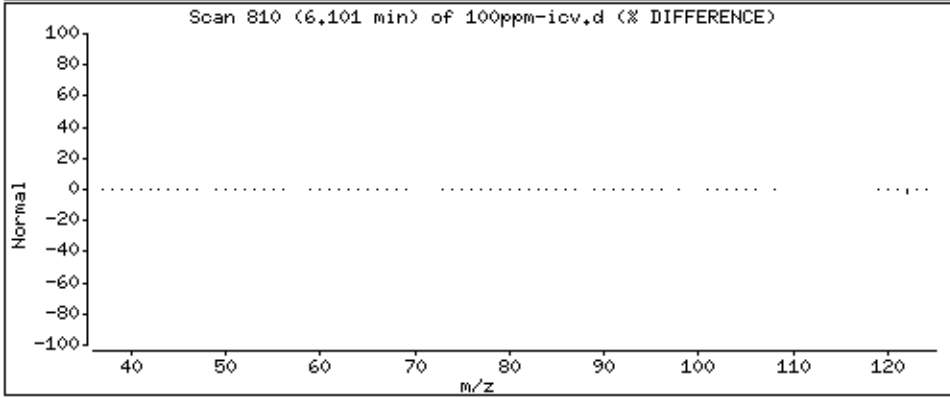
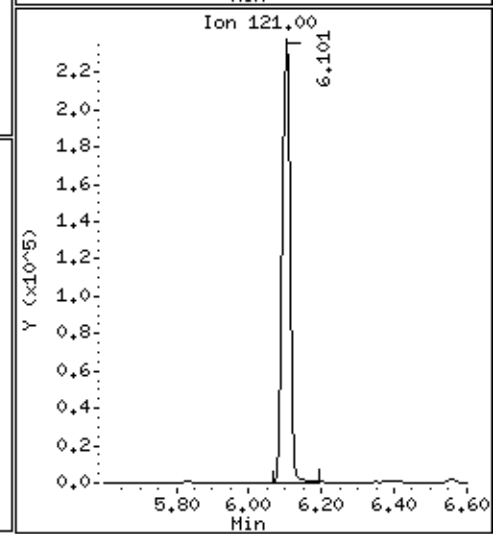
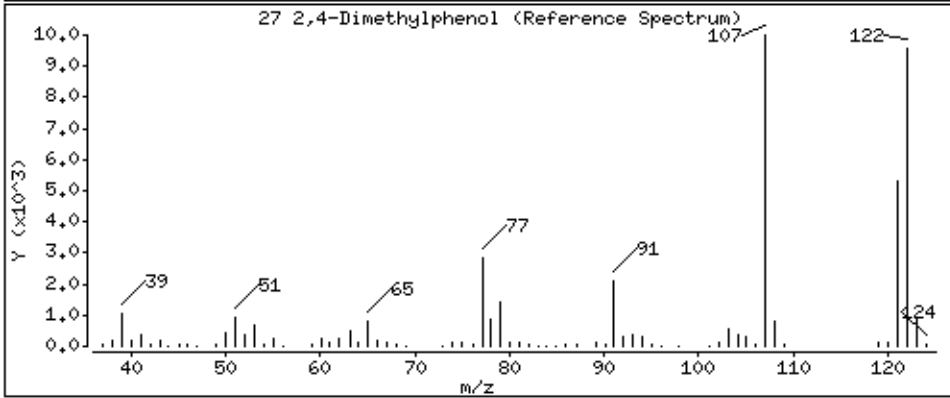
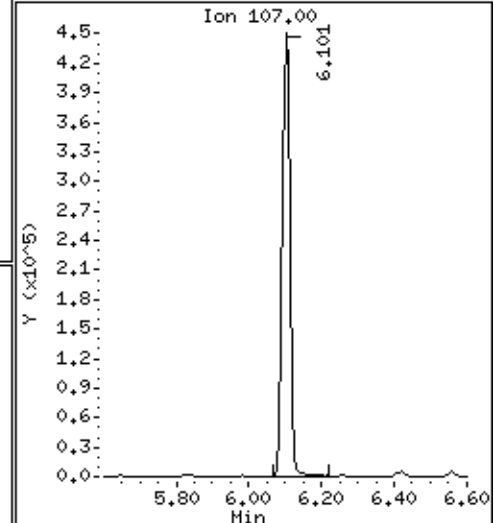
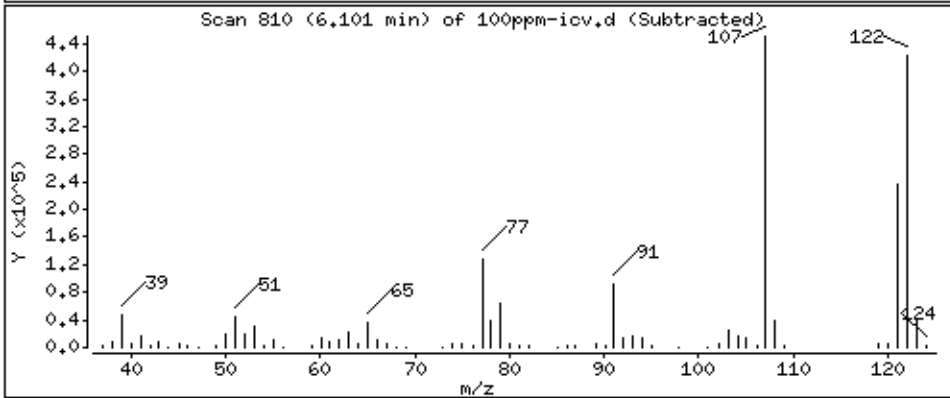
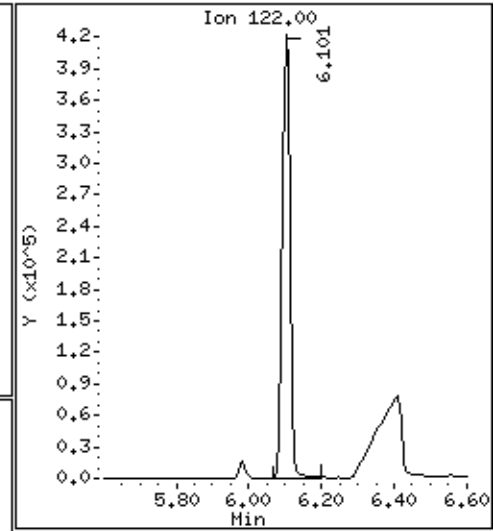
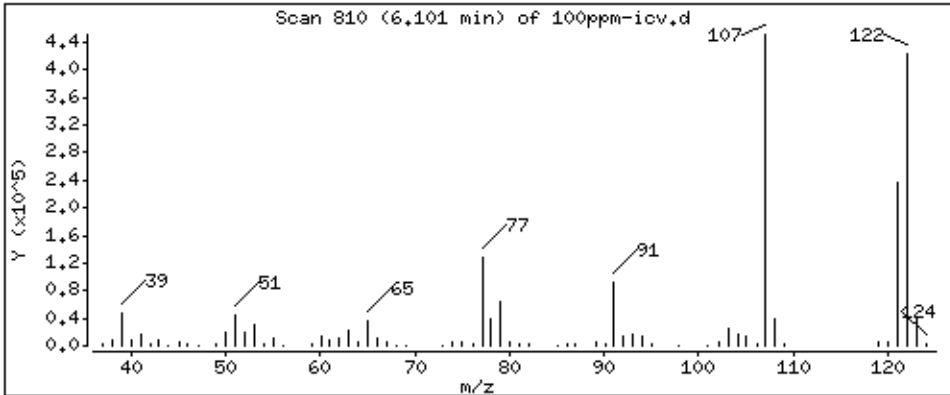
Operator: CEM

Column phase: .50um DB-5ms

Column diameter: 0,25

27 2,4-Dimethylphenol

Concentration: 106.0 ug/L



Date : 09-JUN-2014 16:19

Client ID:

Instrument: 50MSS2.i

Sample Info: ICV,70293:1

Volume Injected (uL): 1.0

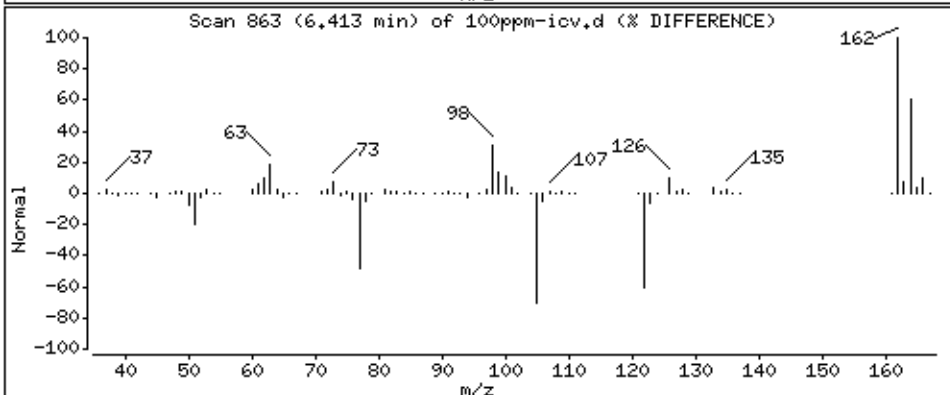
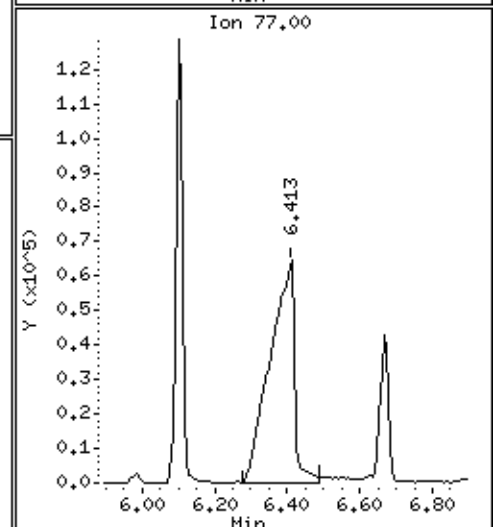
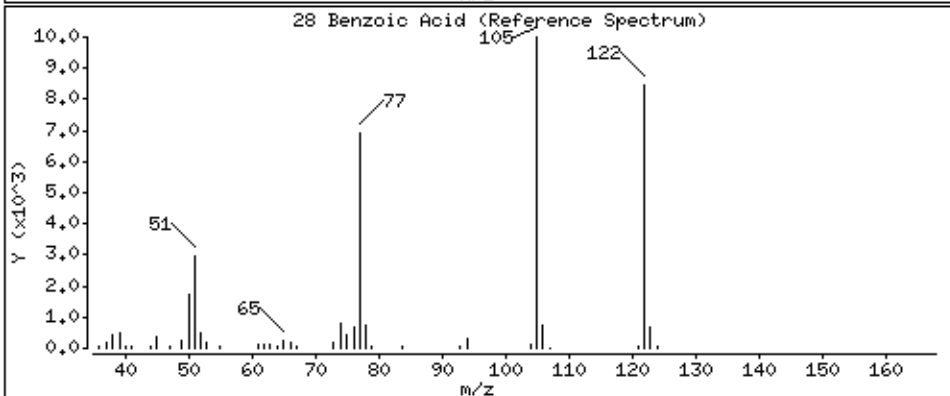
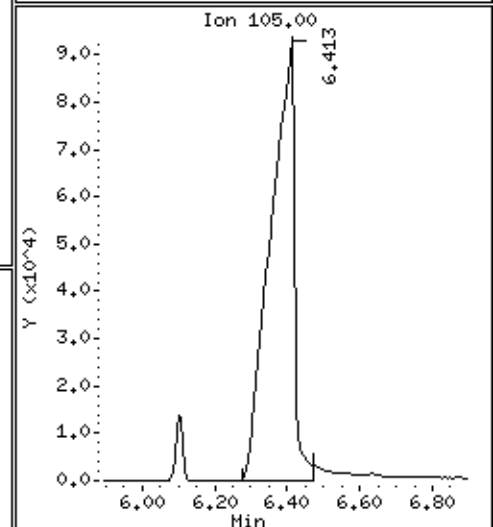
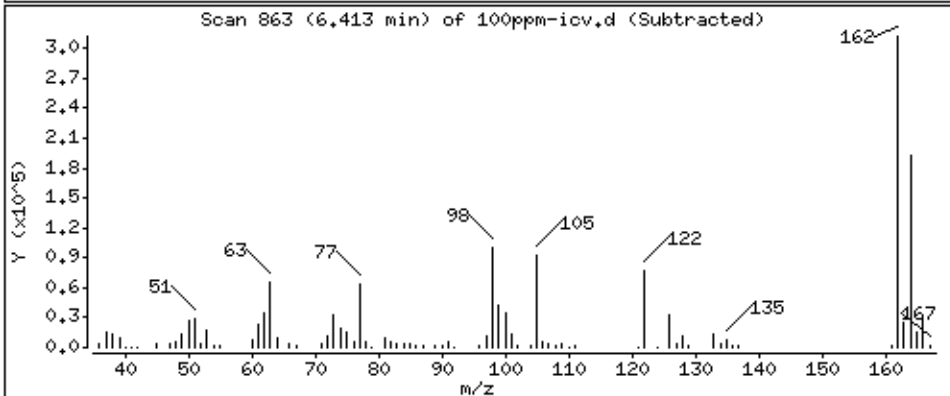
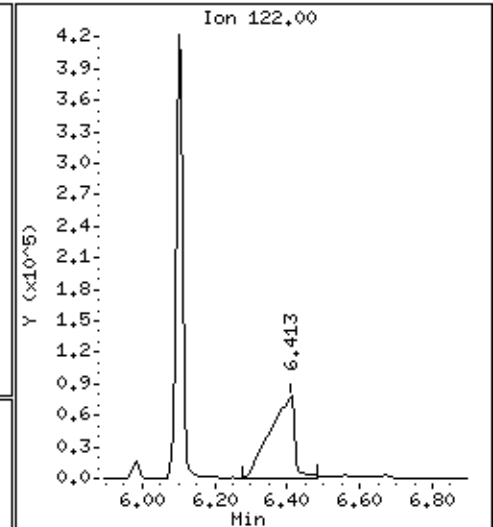
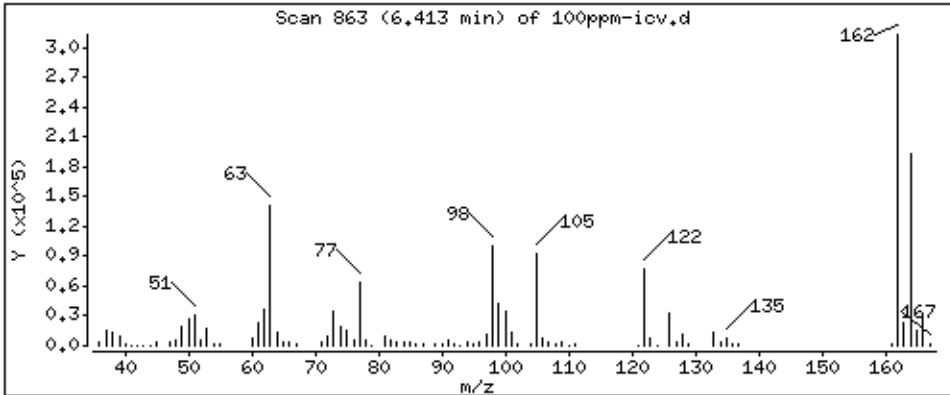
Operator: CEM

Column phase: .50um DB-5ms

Column diameter: 0,25

28 Benzoic Acid

Concentration: 116.0 ug/L



Date : 09-JUN-2014 16:19

Client ID:

Instrument: 50MSS2.i

Sample Info: ICV,70293:1

Volume Injected (uL): 1.0

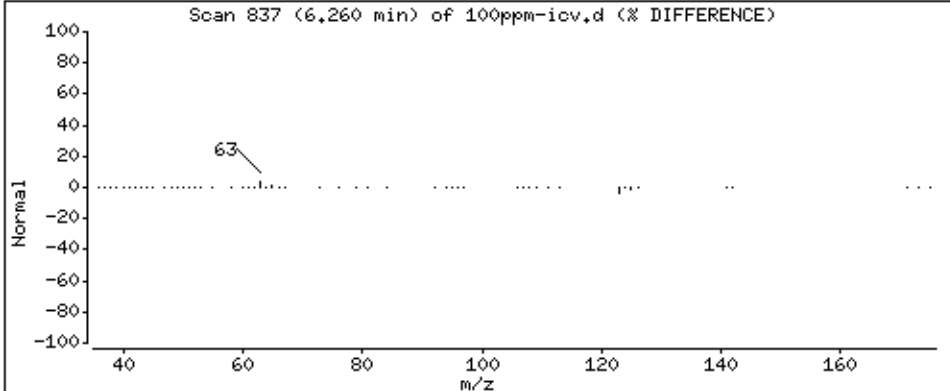
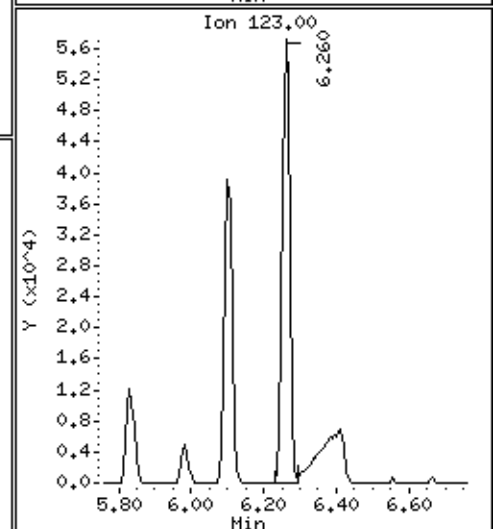
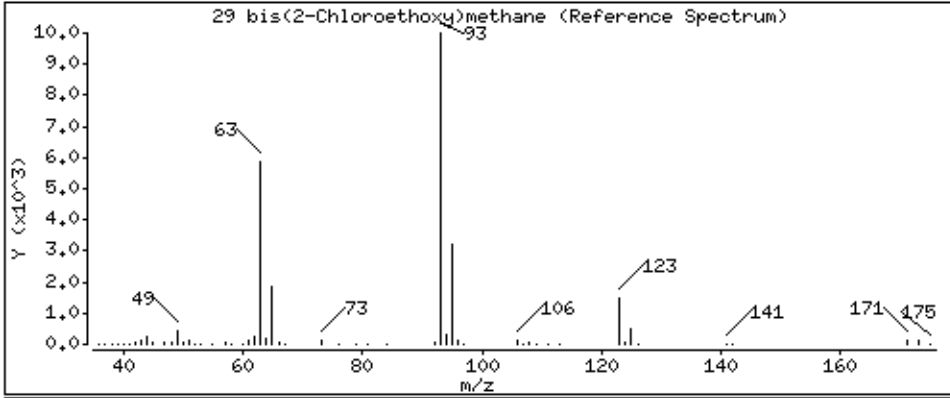
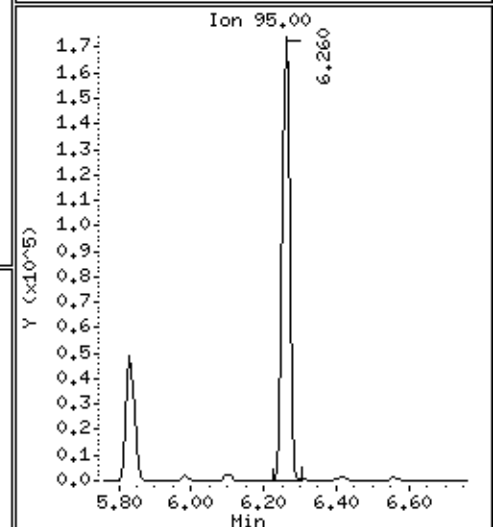
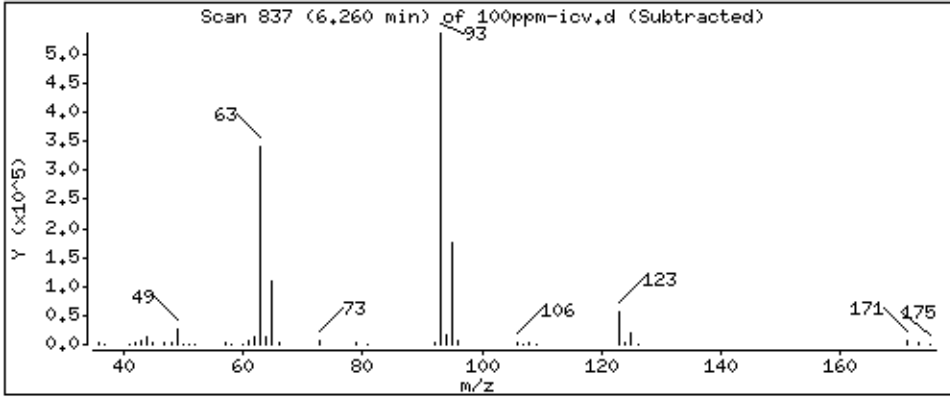
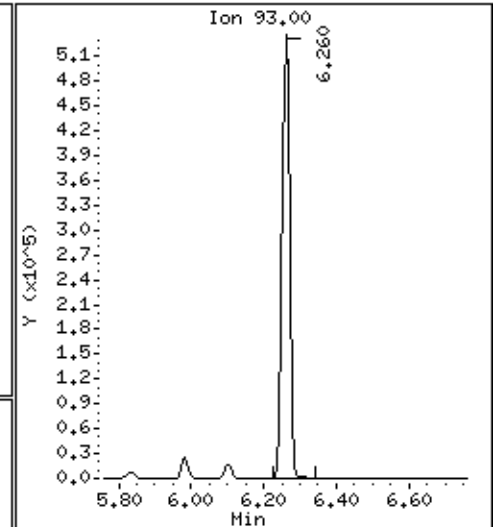
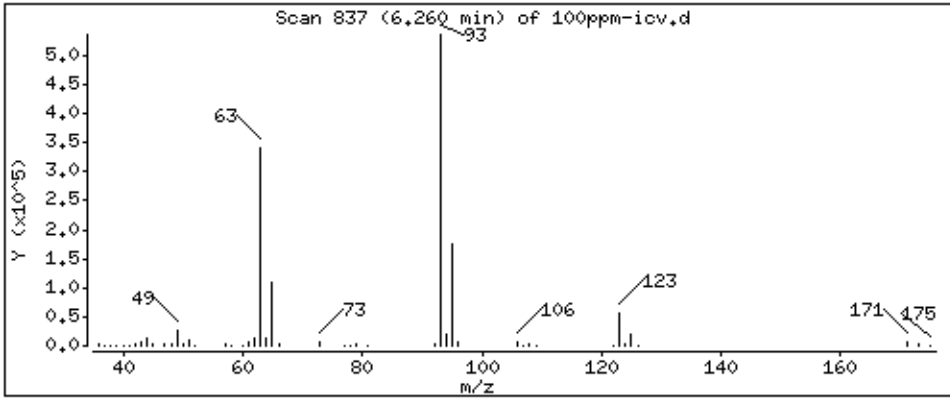
Operator: CEM

Column phase: .50um DB-5ms

Column diameter: 0,25

29 bis(2-Chloroethoxy)methane

Concentration: 107,5 ug/L



Date : 09-JUN-2014 16:19

Client ID:

Instrument: 50MSS2.i

Sample Info: ICV,70293:1

Volume Injected (uL): 1.0

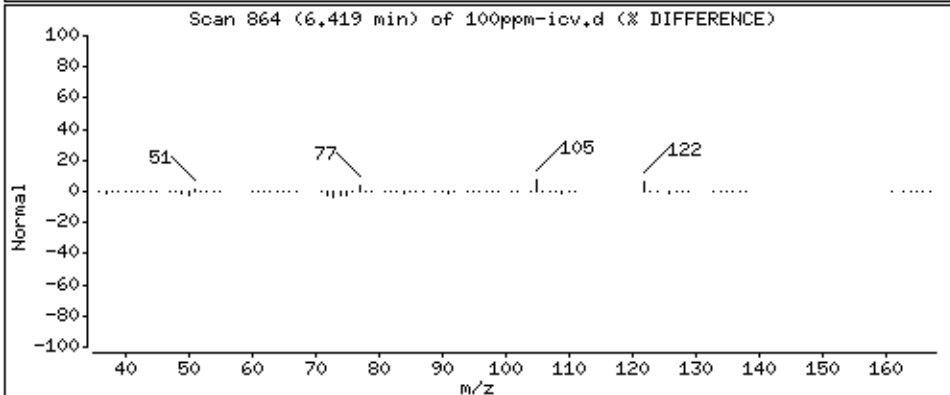
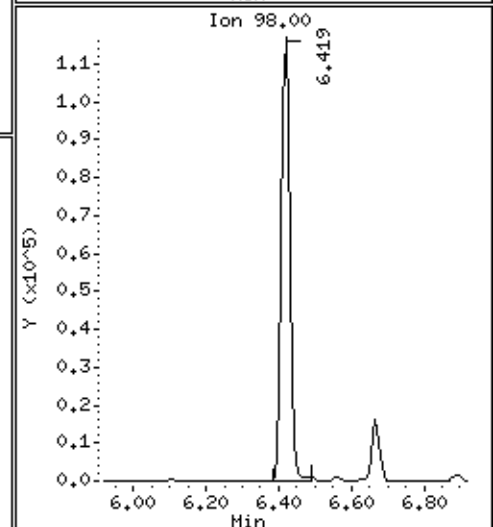
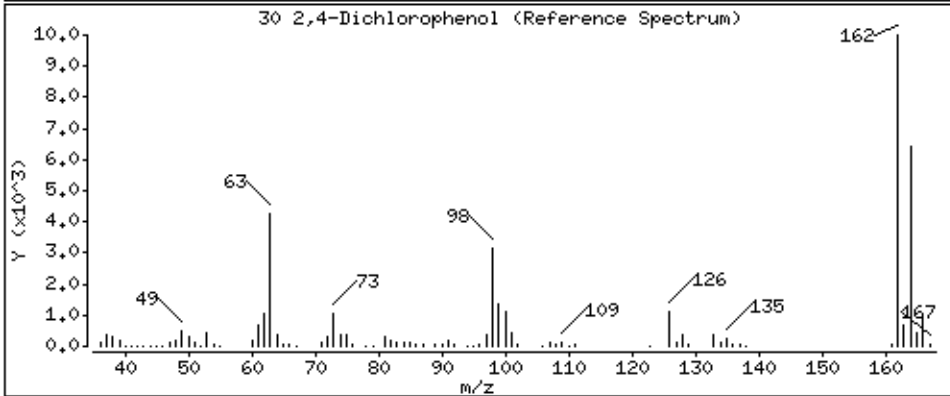
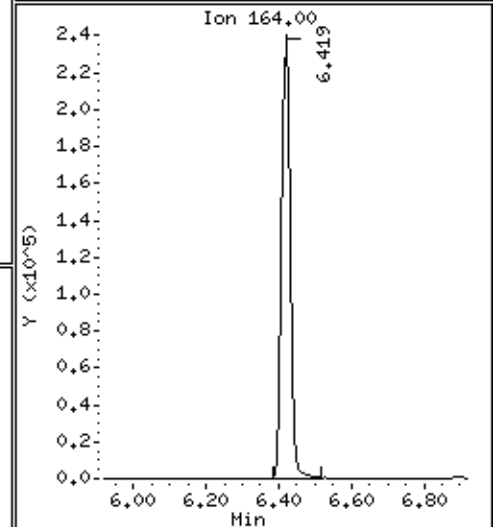
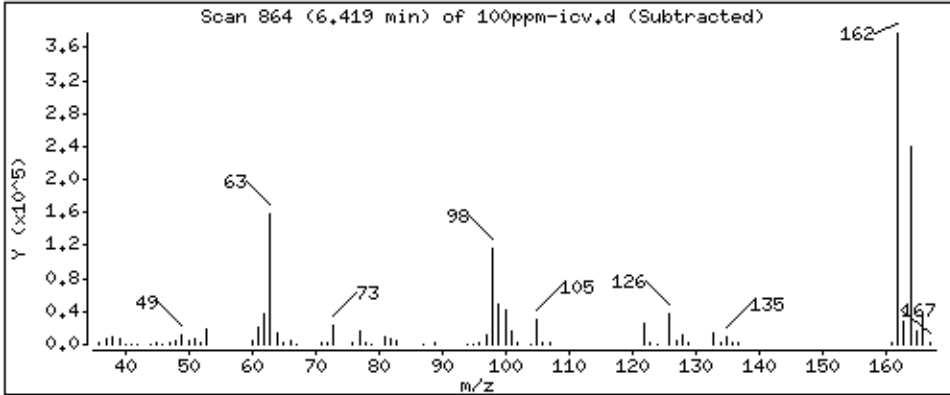
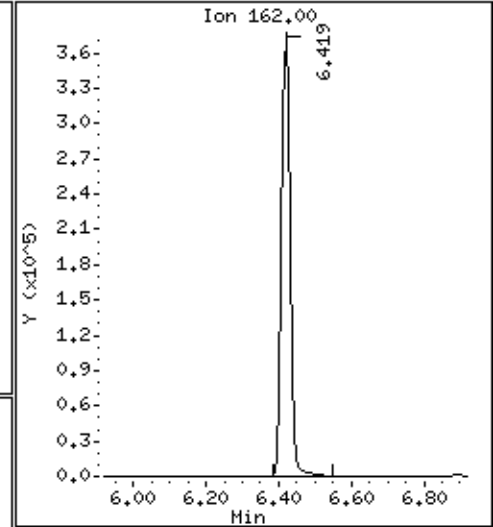
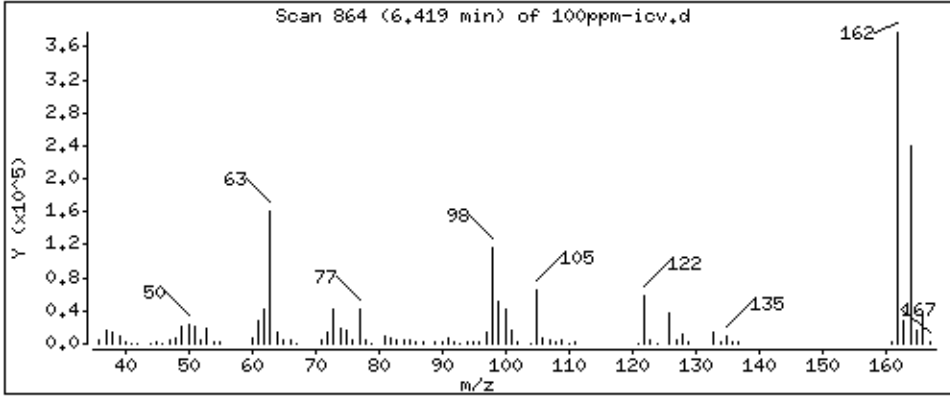
Operator: CEM

Column phase: .50um DB-5ms

Column diameter: 0,25

30 2,4-Dichlorophenol

Concentration: 104.1 ug/L



Date : 09-JUN-2014 16:19

Client ID:

Instrument: 50MSS2.i

Sample Info: ICV,70293:1

Volume Injected (uL): 1.0

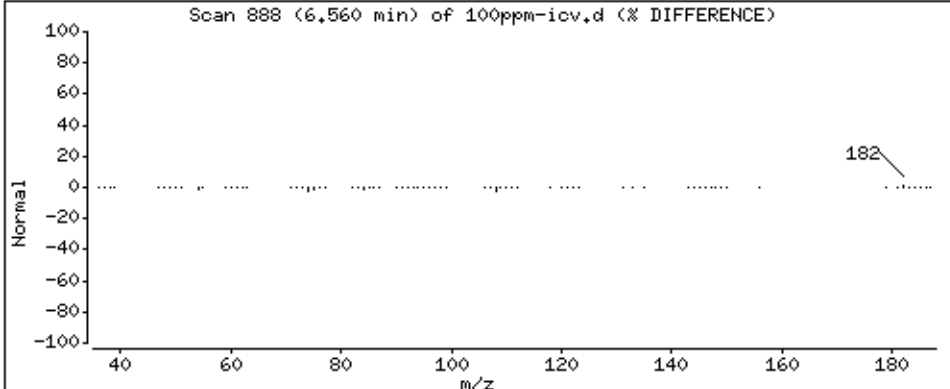
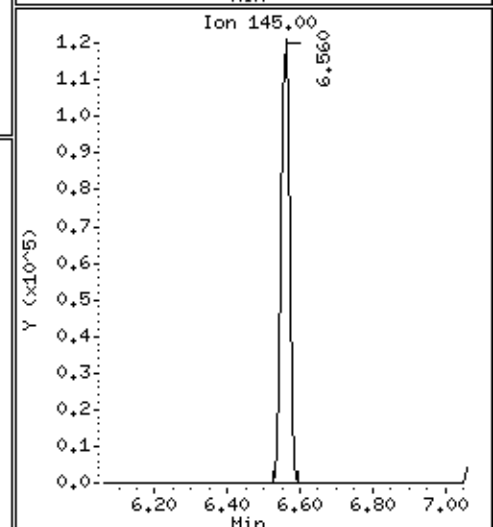
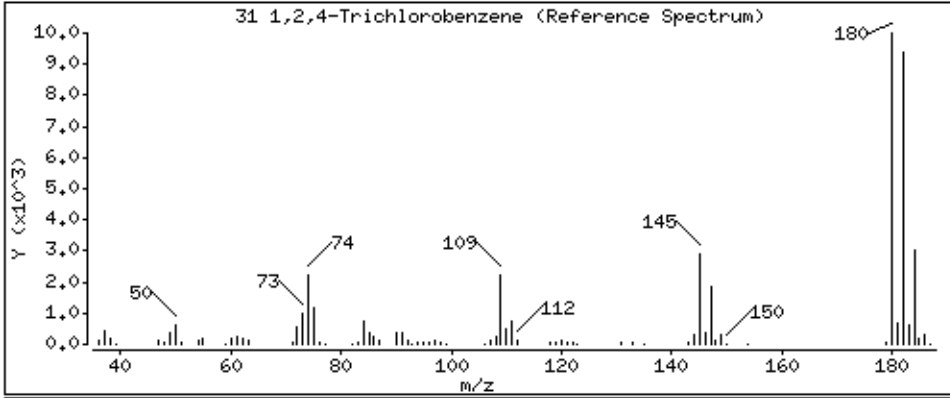
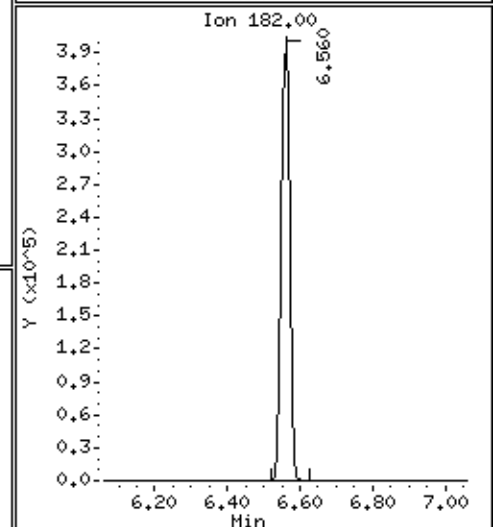
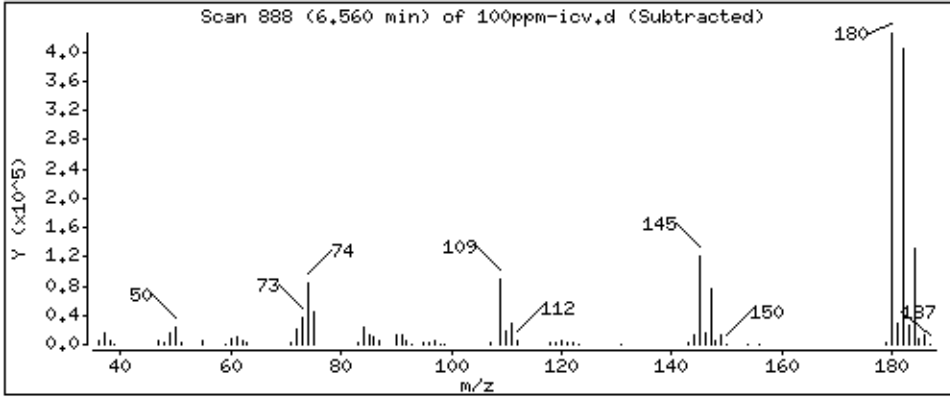
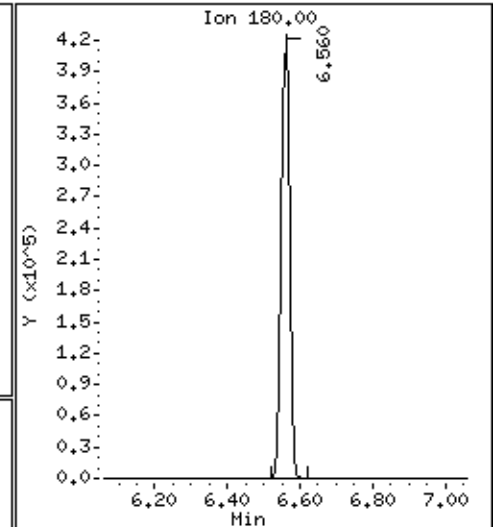
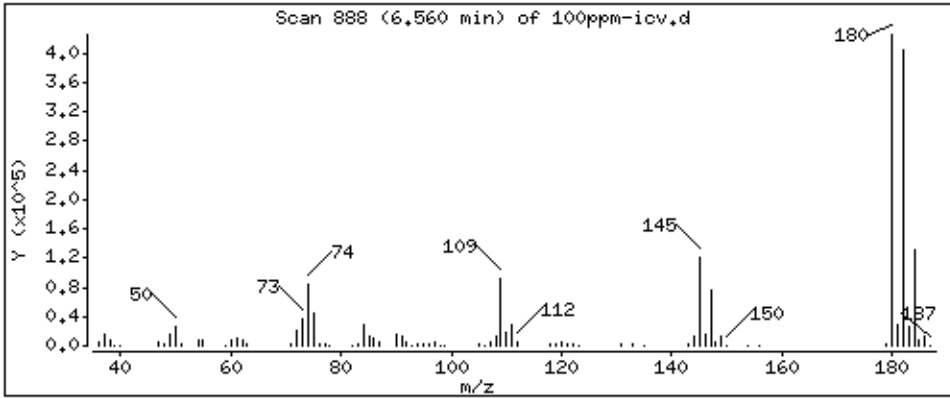
Operator: CEM

Column phase: .50um DB-5ms

Column diameter: 0,25

31 1,2,4-Trichlorobenzene

Concentration: 103,2 ug/L



Date : 09-JUN-2014 16:19

Client ID:

Instrument: 50MSS2.i

Sample Info: ICV,70293:1

Volume Injected (uL): 1.0

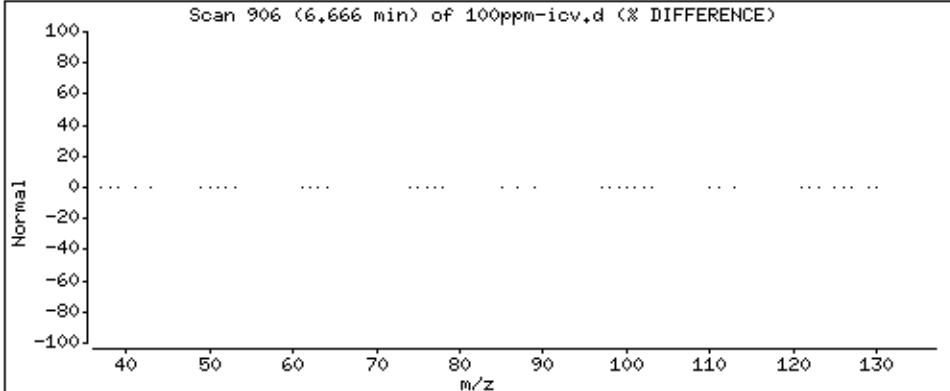
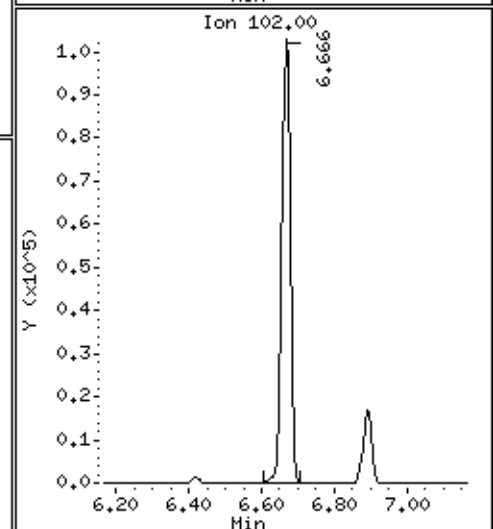
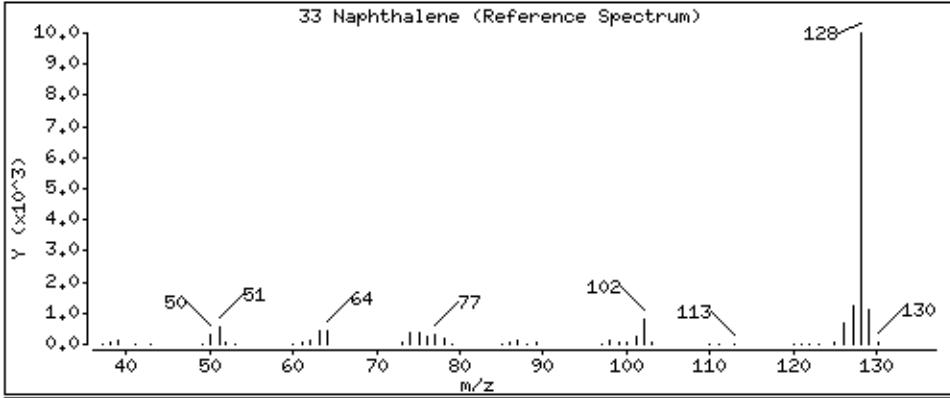
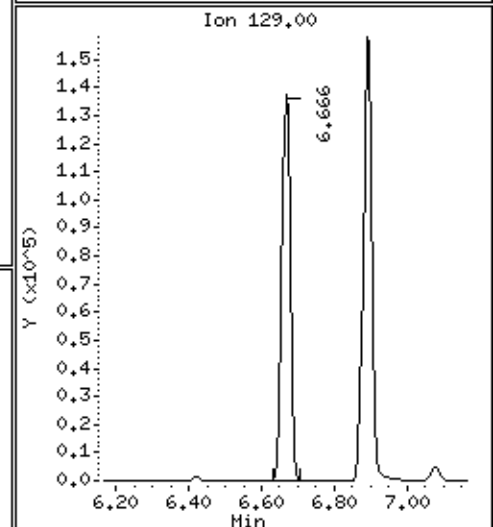
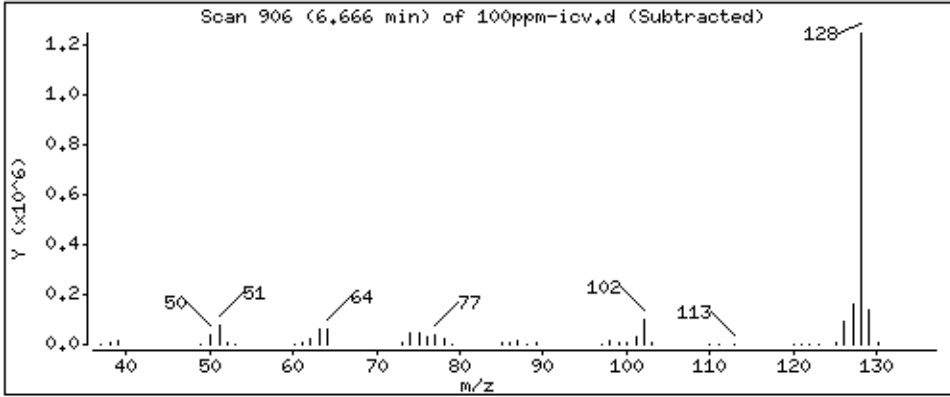
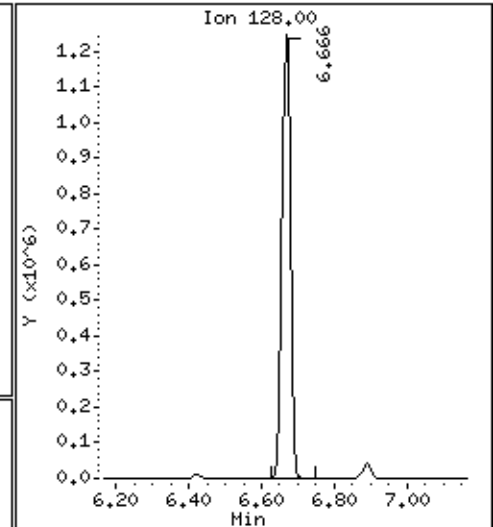
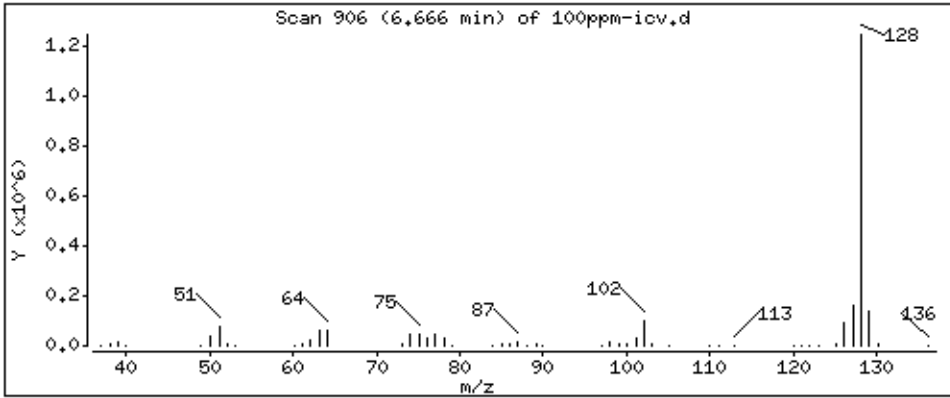
Operator: CEM

Column phase: .50um DB-5ms

Column diameter: 0,25

33 Naphthalene

Concentration: 100.8 ug/L



Date : 09-JUN-2014 16:19

Client ID:

Instrument: 50MSS2.i

Sample Info: ICV,70293:1

Volume Injected (uL): 1.0

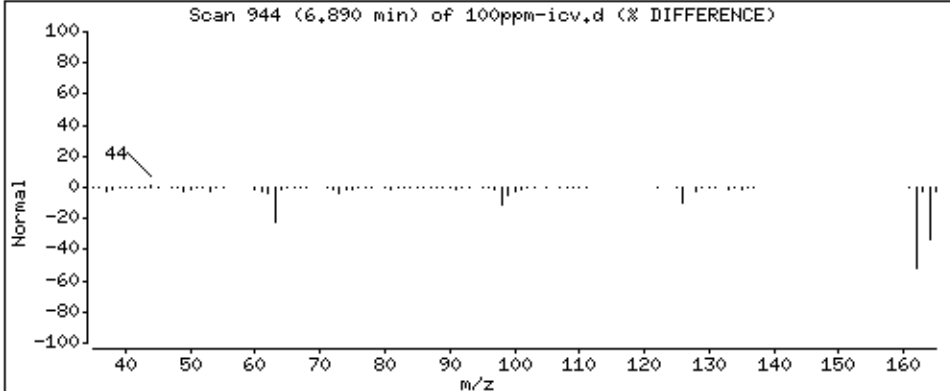
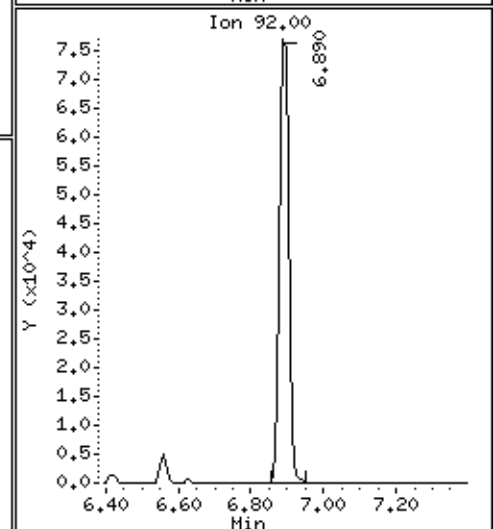
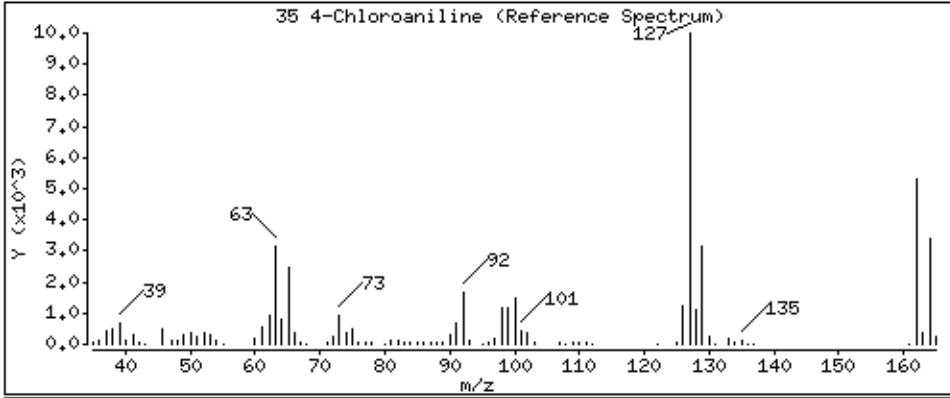
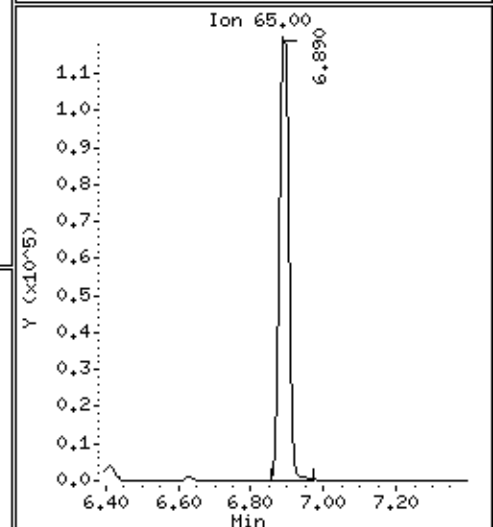
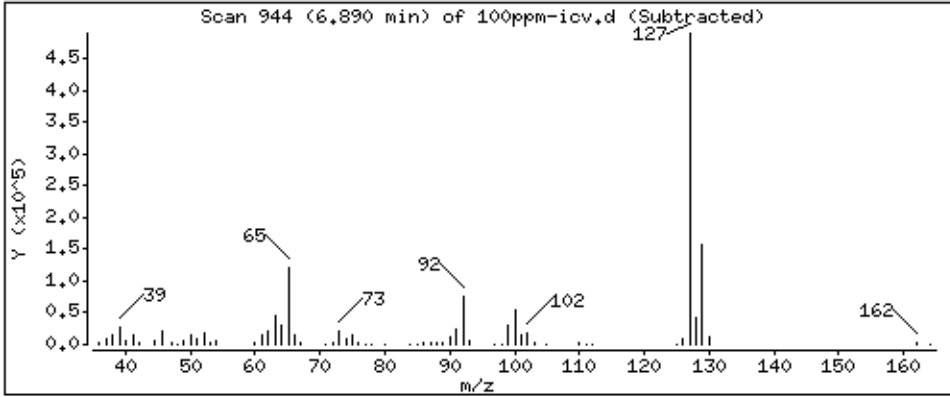
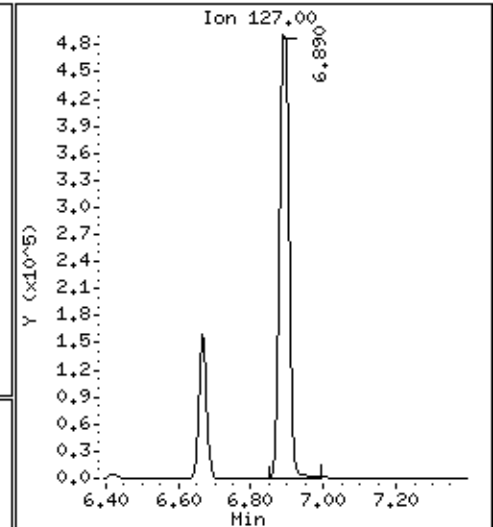
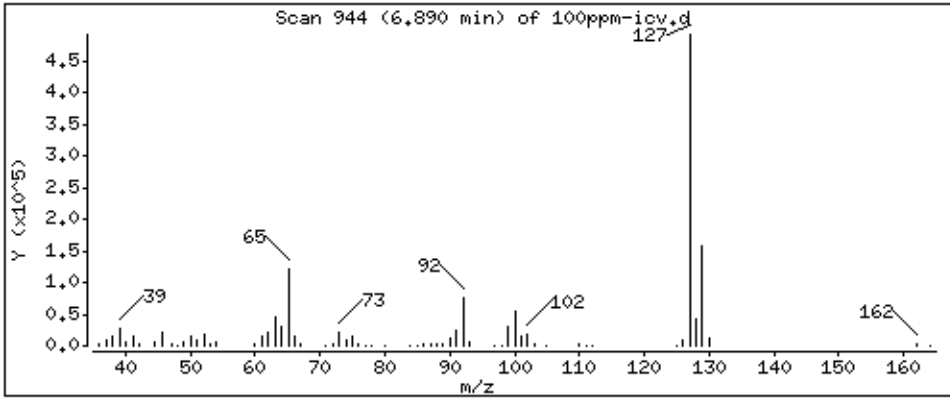
Operator: CEM

Column phase: .50um DB-5ms

Column diameter: 0,25

35 4-Chloroaniline

Concentration: 110.8 ug/L



Date : 09-JUN-2014 16:19

Client ID:

Instrument: 50MSS2.i

Sample Info: ICV,70293:1

Volume Injected (uL): 1.0

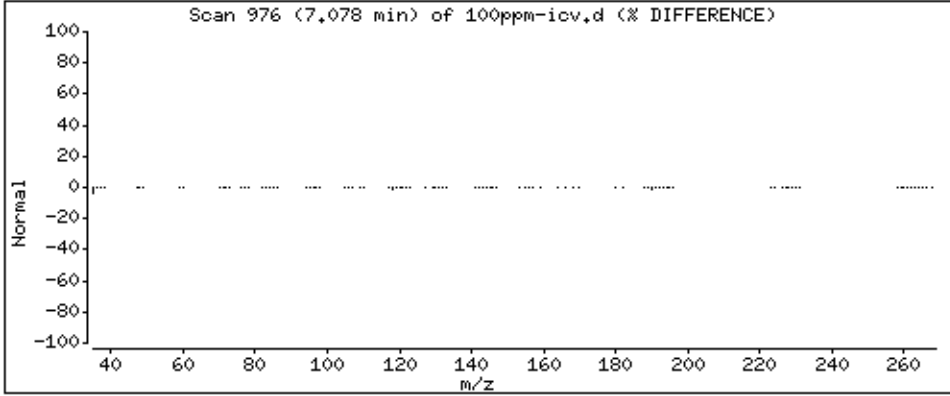
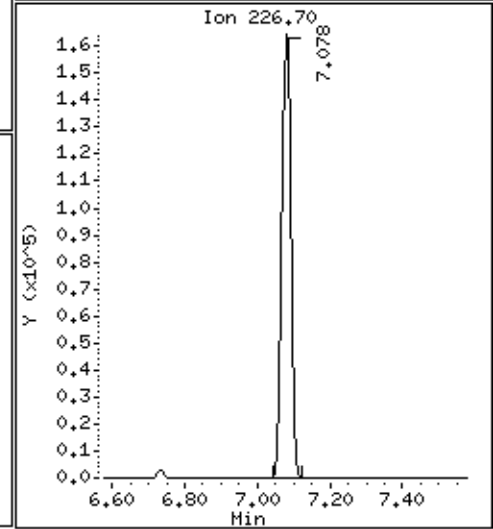
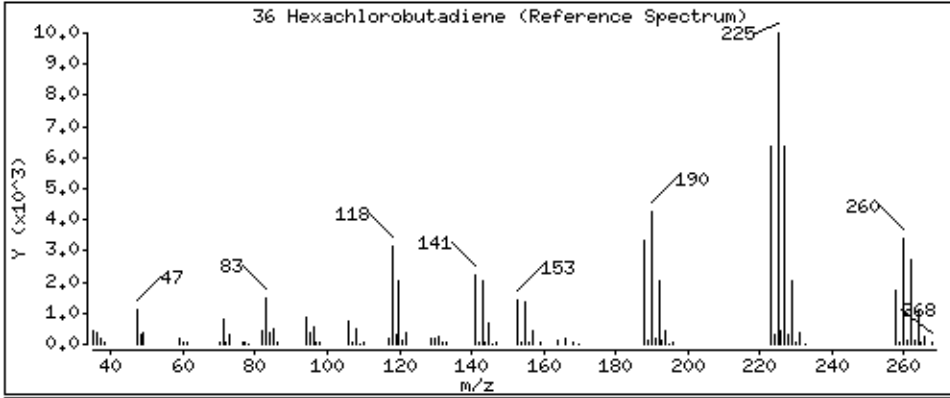
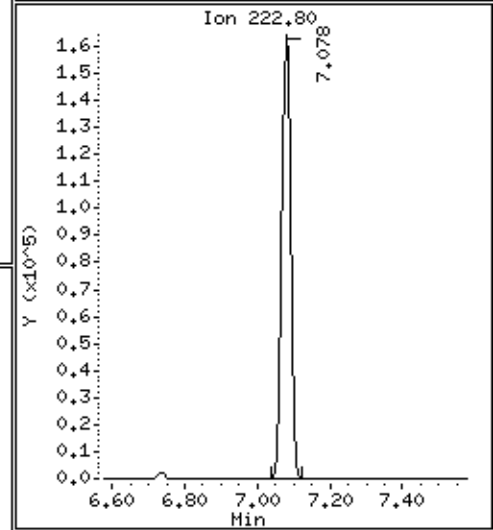
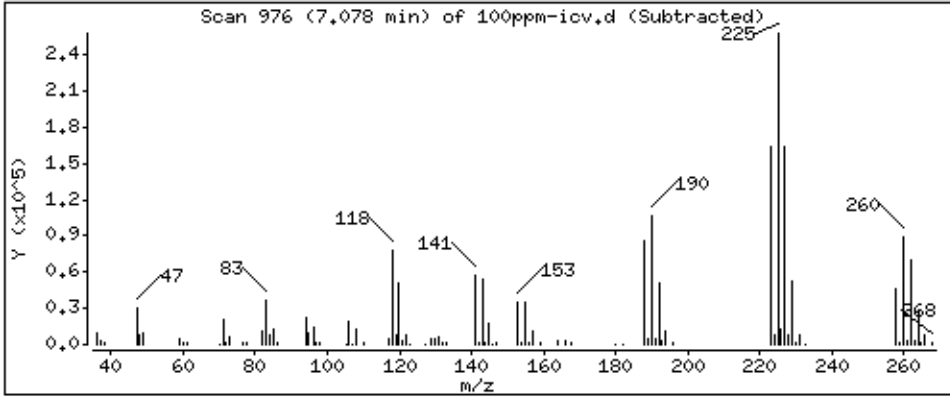
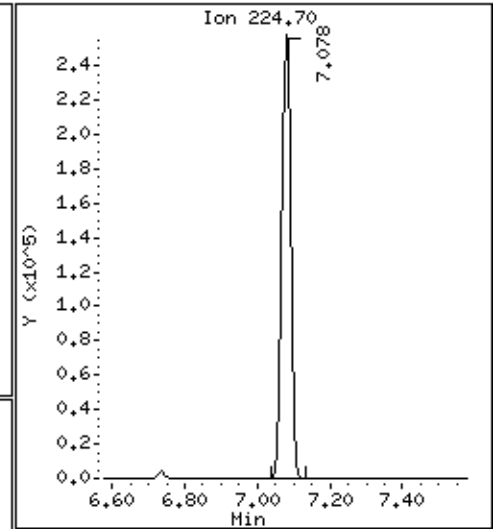
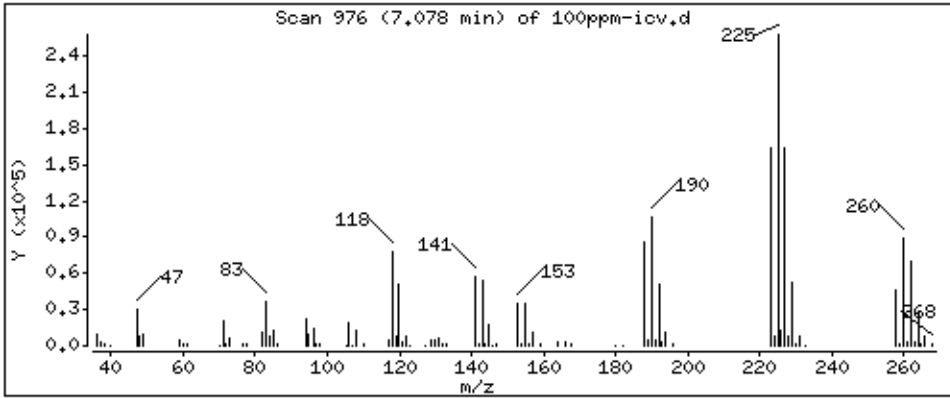
Operator: CEM

Column phase: .50um DB-5ms

Column diameter: 0,25

36 Hexachlorobutadiene

Concentration: 113.2 ug/L



Date : 09-JUN-2014 16:19

Client ID:

Instrument: 50MSS2.i

Sample Info: ICV,70293:1

Volume Injected (uL): 1.0

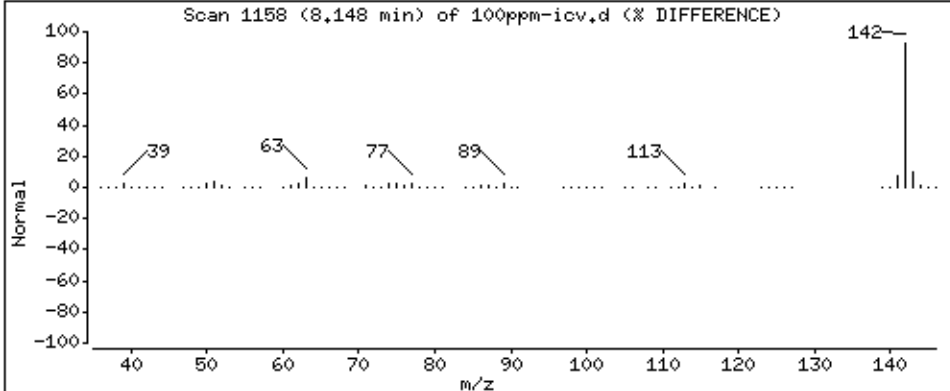
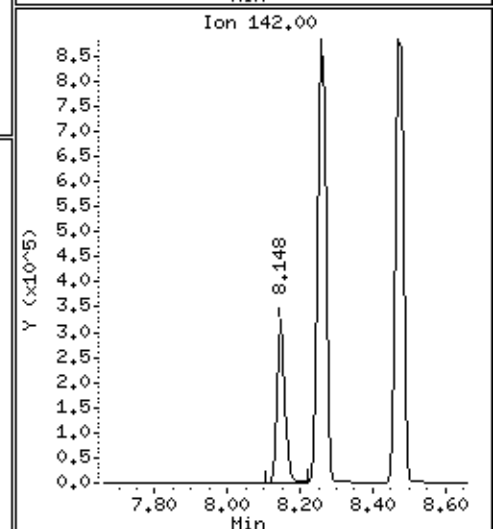
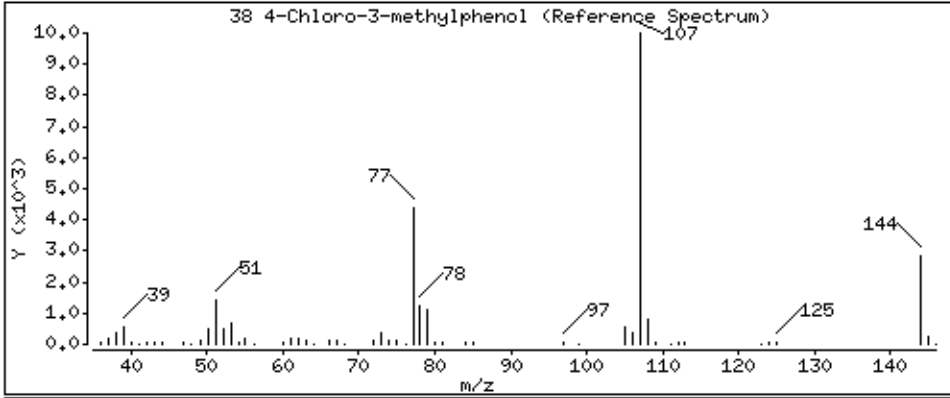
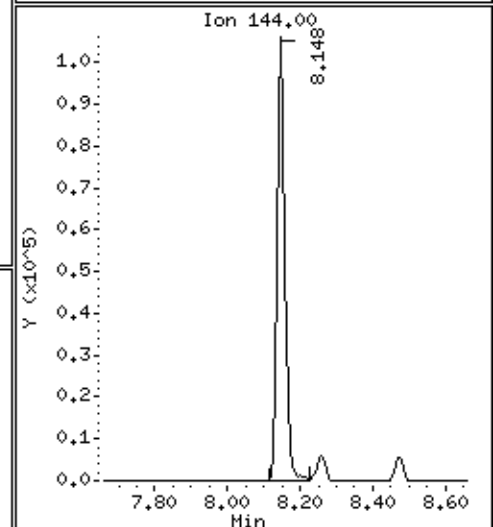
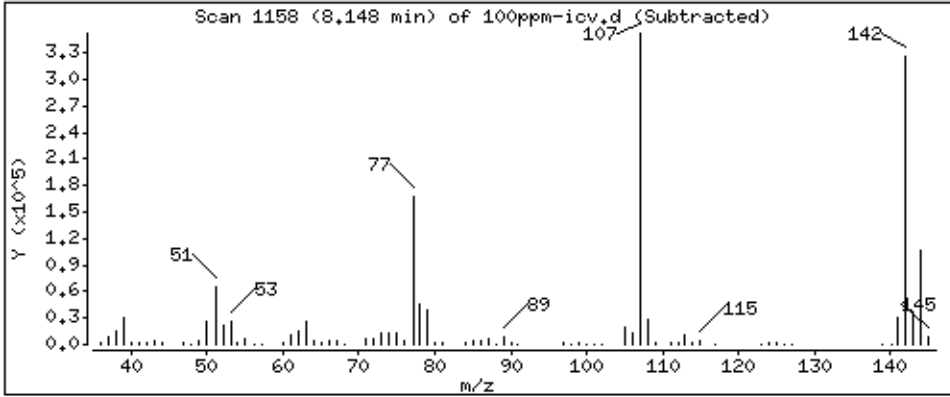
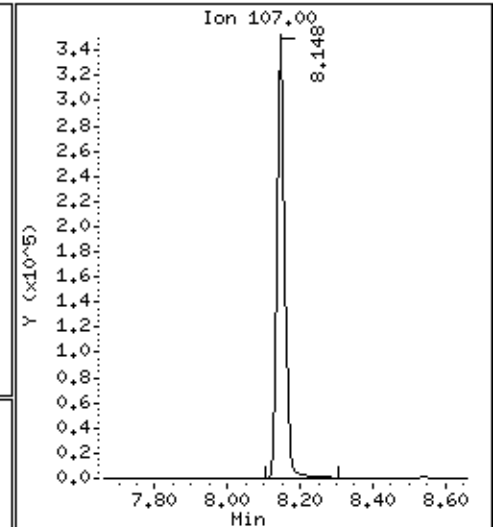
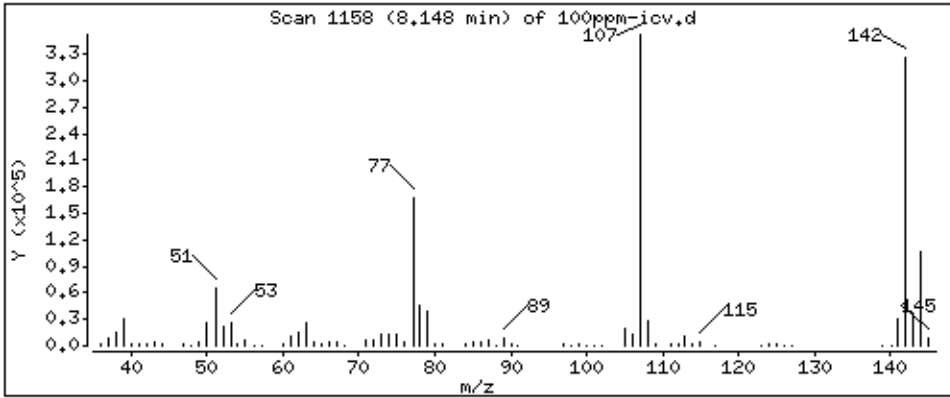
Operator: CEM

Column phase: .50um DB-5ms

Column diameter: 0,25

38 4-Chloro-3-methylphenol

Concentration: 103.3 ug/L



Date : 09-JUN-2014 16:19

Client ID:

Instrument: 50MSS2.i

Sample Info: ICV,70293:1

Volume Injected (uL): 1.0

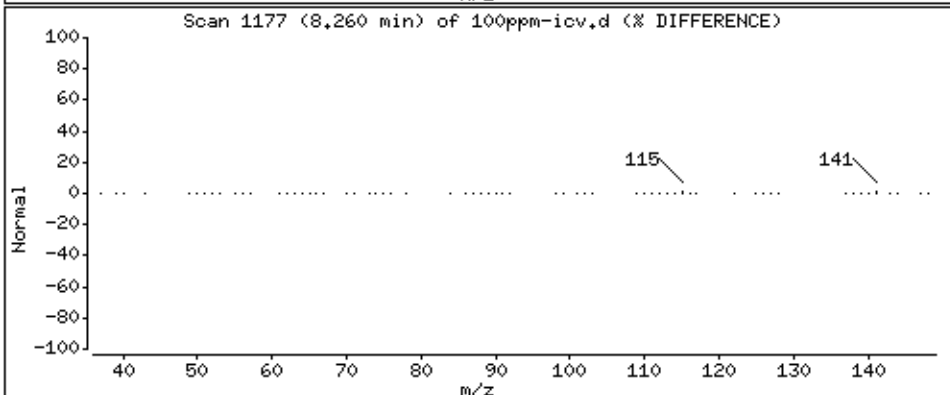
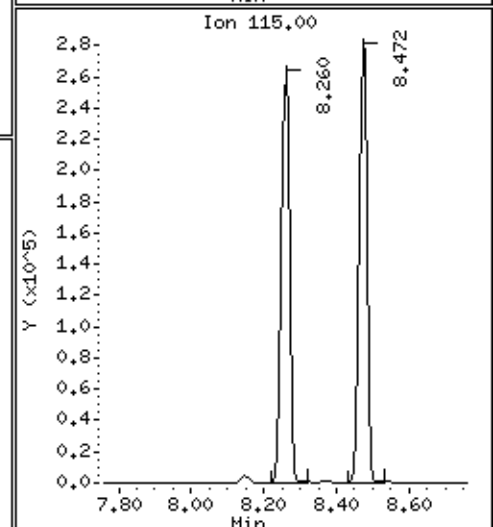
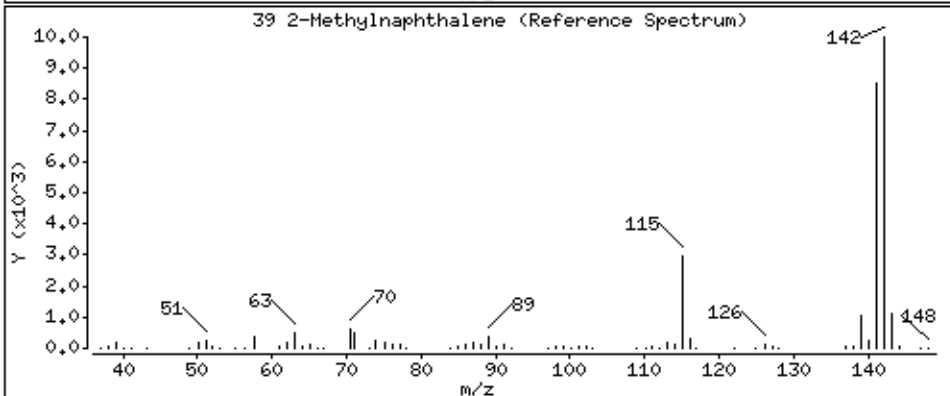
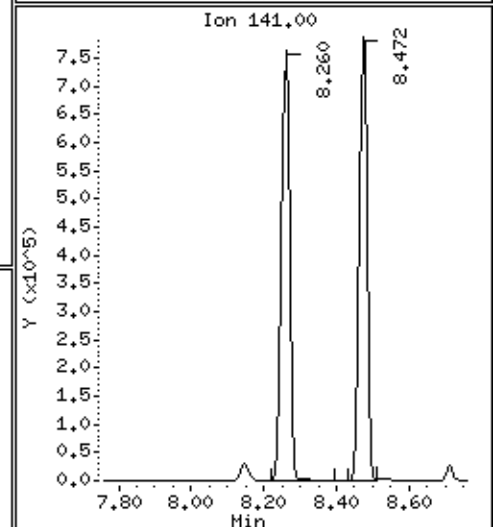
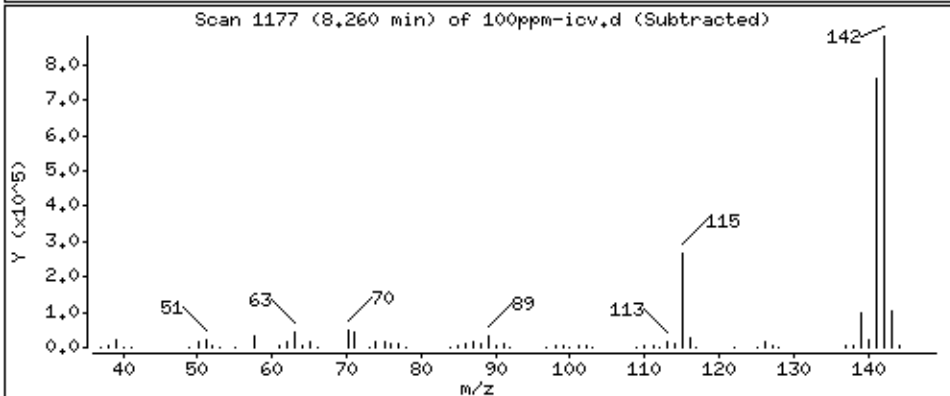
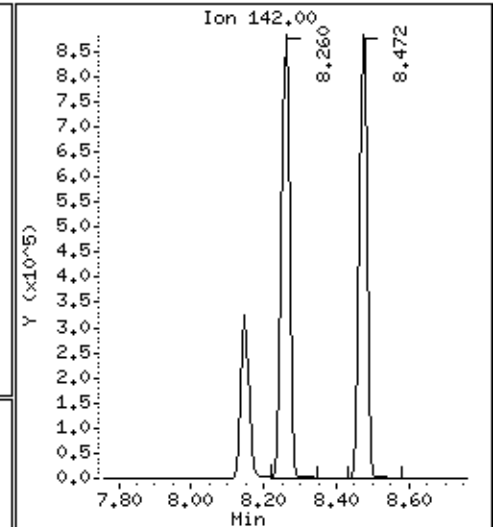
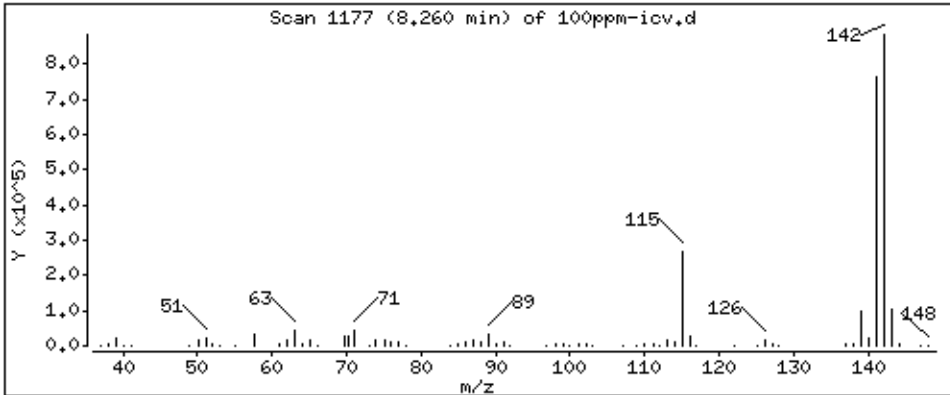
Operator: CEM

Column phase: .50um DB-5ms

Column diameter: 0,25

39 2-Methylnaphthalene

Concentration: 98,30 ug/L



Date : 09-JUN-2014 16:19

Client ID:

Instrument: 50MSS2.i

Sample Info: ICV,70293:1

Volume Injected (uL): 1.0

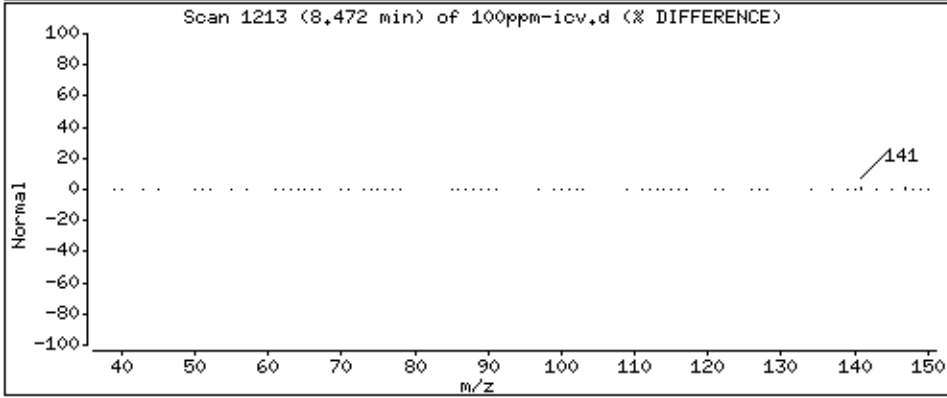
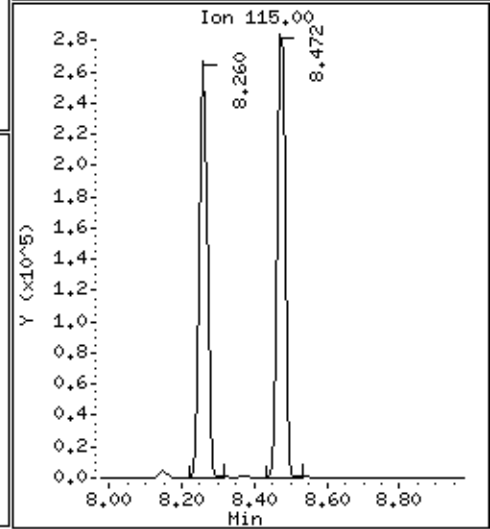
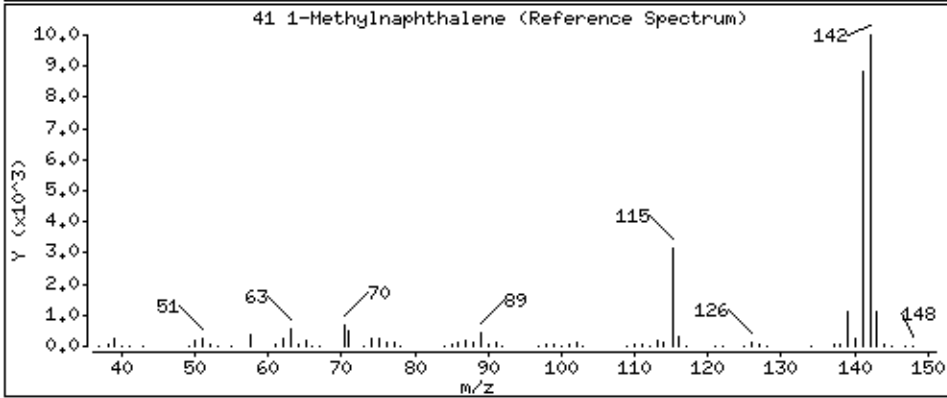
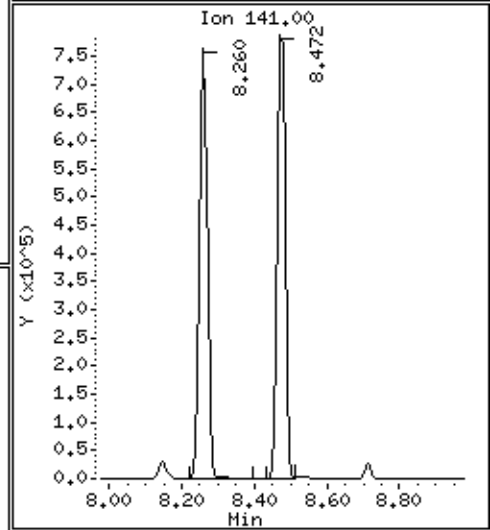
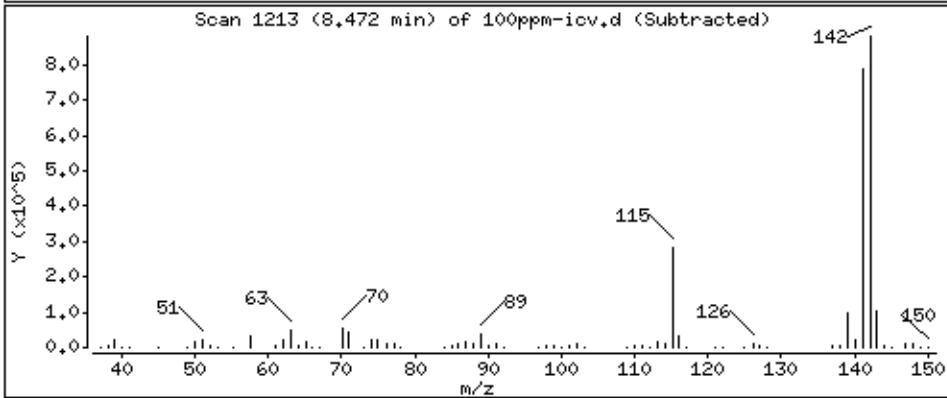
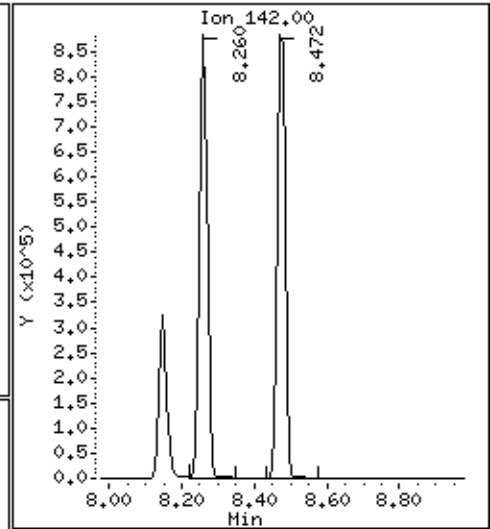
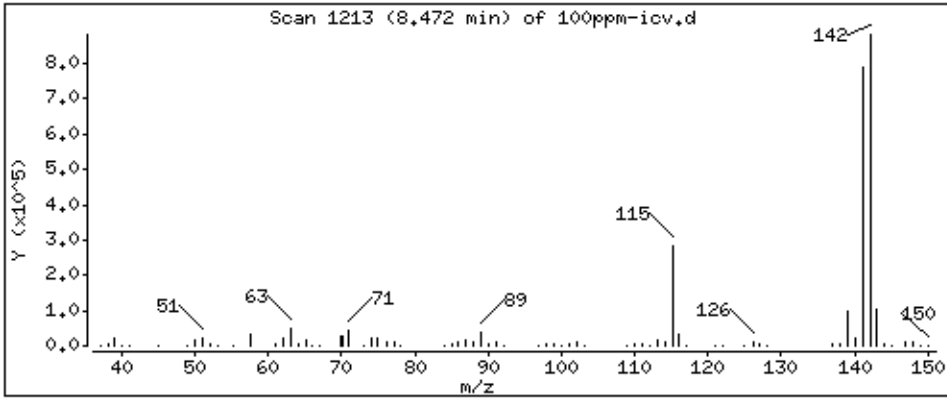
Operator: CEM

Column phase: .50um DB-5ms

Column diameter: 0,25

41 1-Methylnaphthalene

Concentration: 95,45 ug/L



Date : 09-JUN-2014 16:19

Client ID:

Instrument: 50MSS2.i

Sample Info: ICV,70293:1

Volume Injected (uL): 1.0

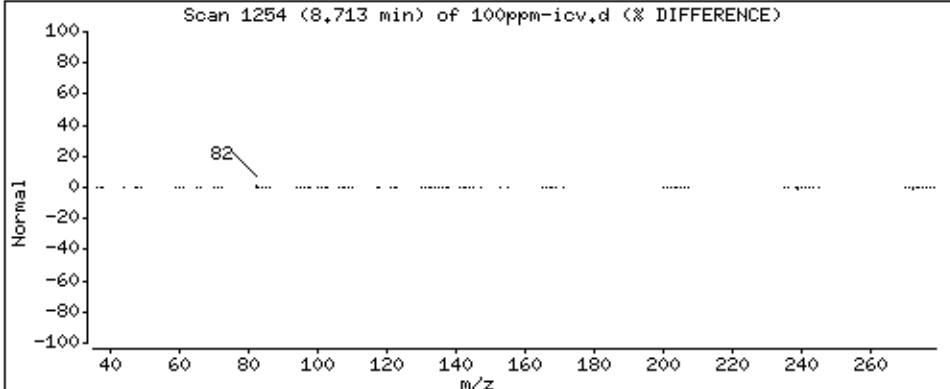
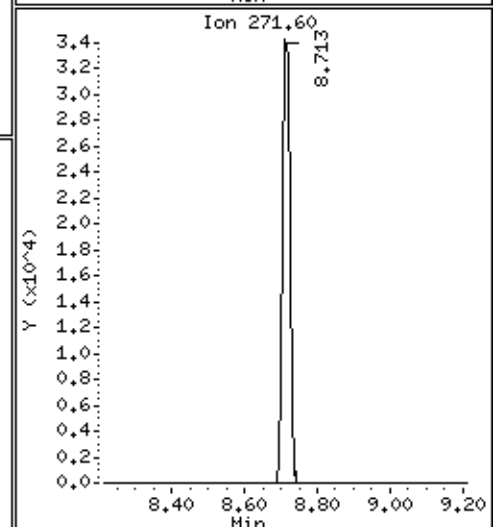
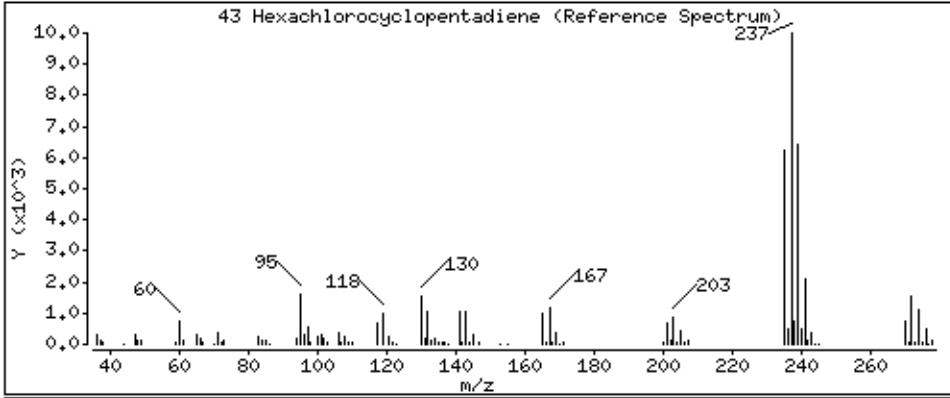
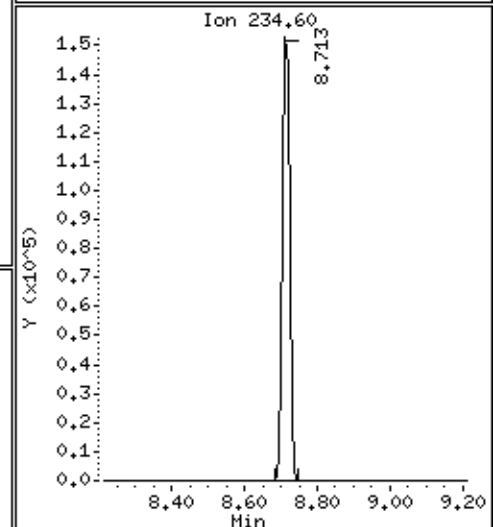
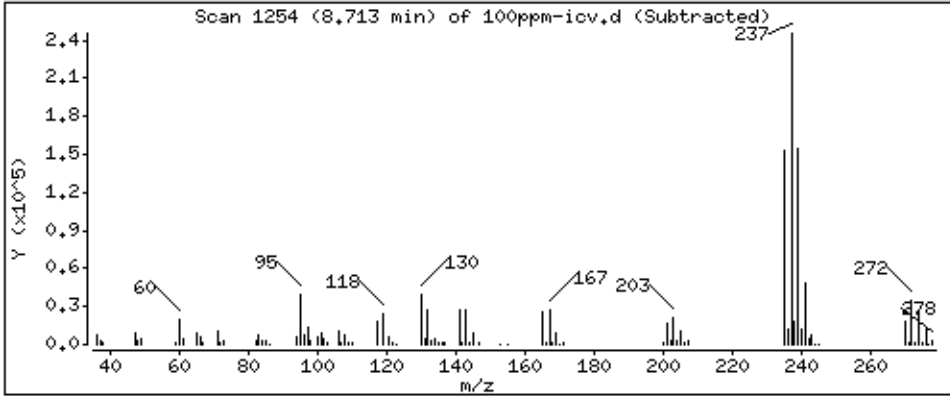
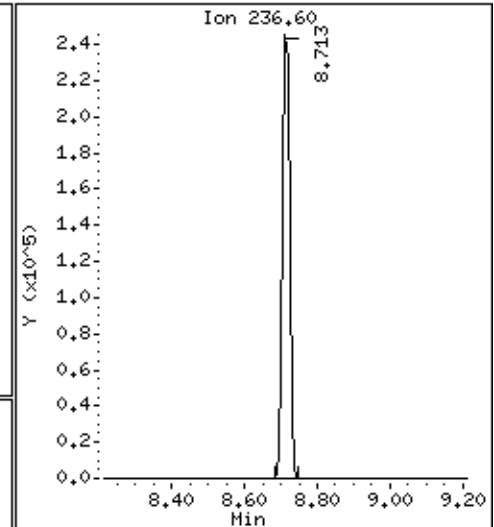
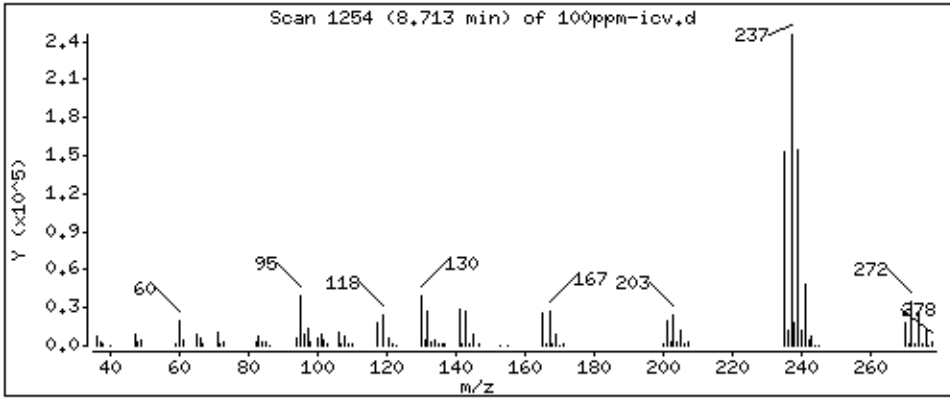
Operator: CEM

Column phase: .50um DB-5ms

Column diameter: 0,25

43 Hexachlorocyclopentadiene

Concentration: 97.06 ug/L



Date : 09-JUN-2014 16:19

Client ID:

Instrument: 50MSS2.i

Sample Info: ICV,70293:1

Volume Injected (uL): 1.0

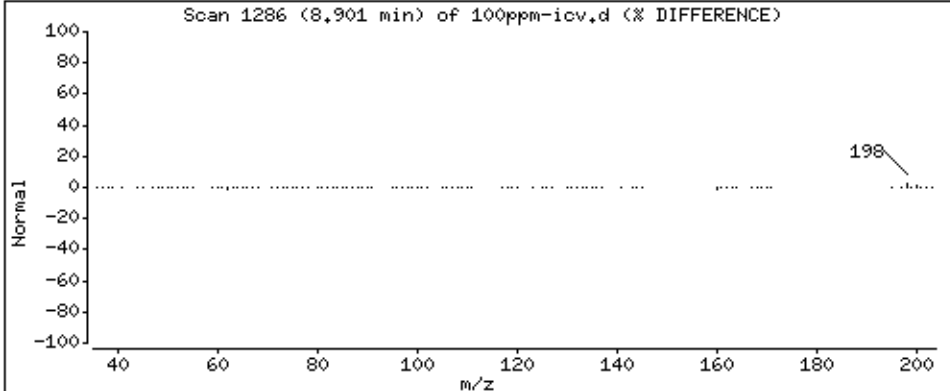
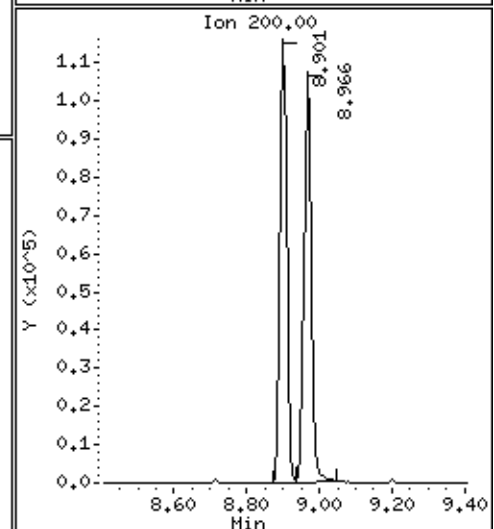
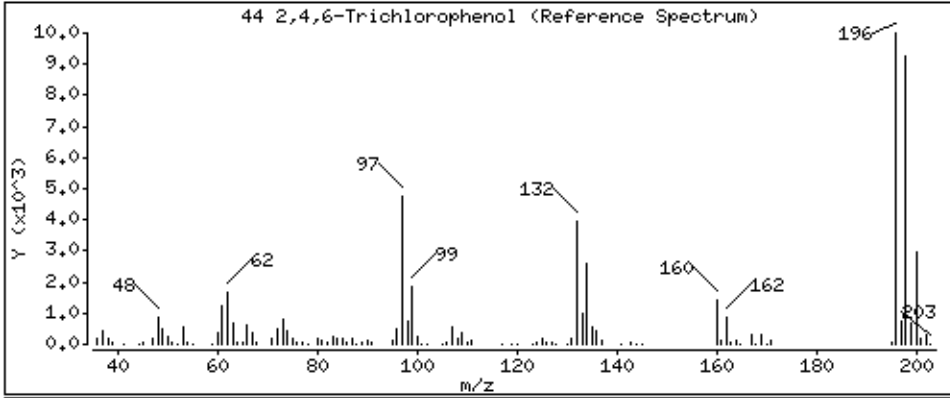
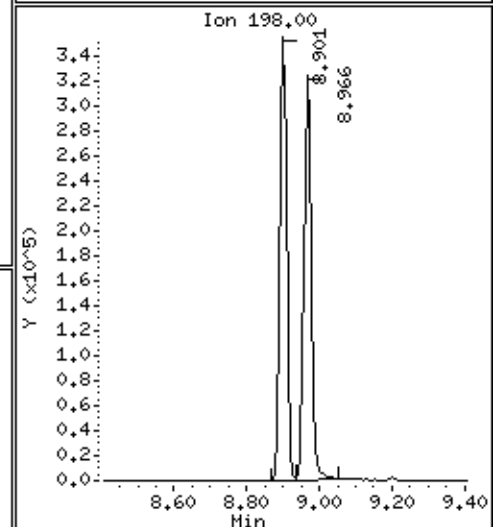
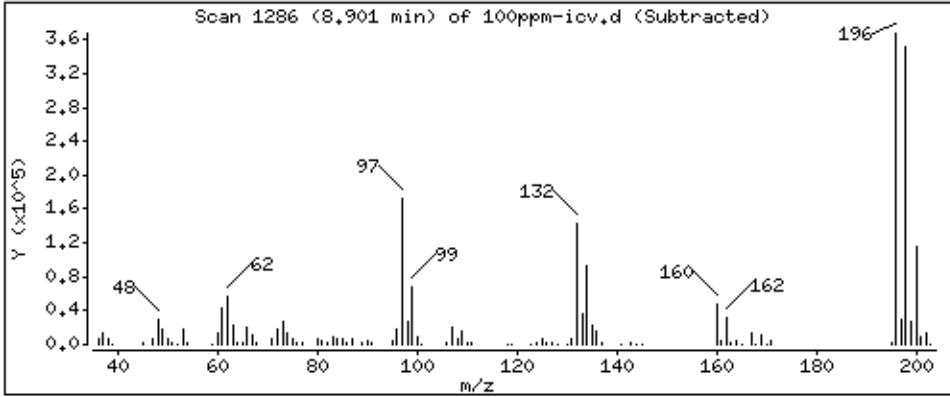
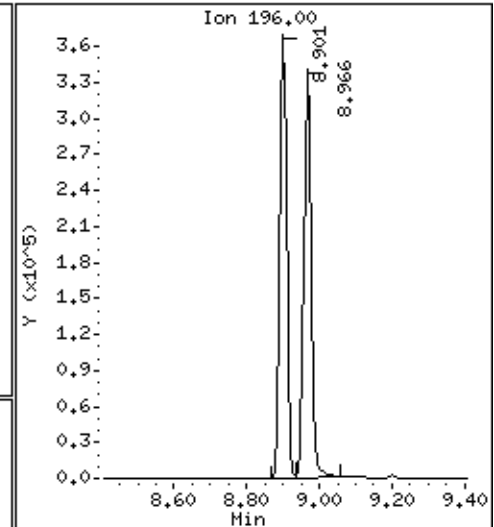
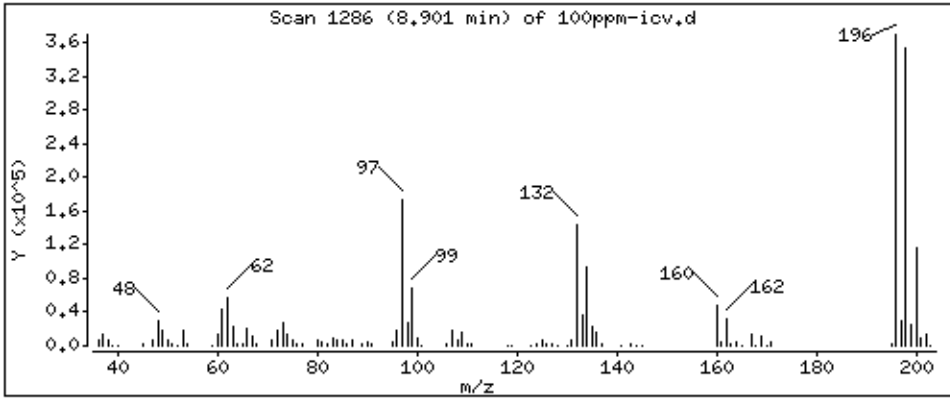
Operator: CEM

Column phase: .50um DB-5ms

Column diameter: 0,25

44 2,4,6-Trichlorophenol

Concentration: 104,5 ug/L



Date : 09-JUN-2014 16:19

Client ID:

Instrument: 50MSS2.i

Sample Info: ICV,70293:1

Volume Injected (uL): 1.0

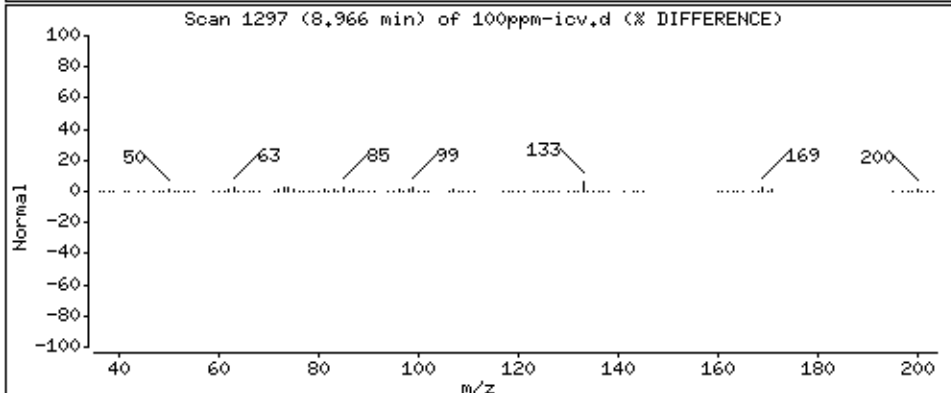
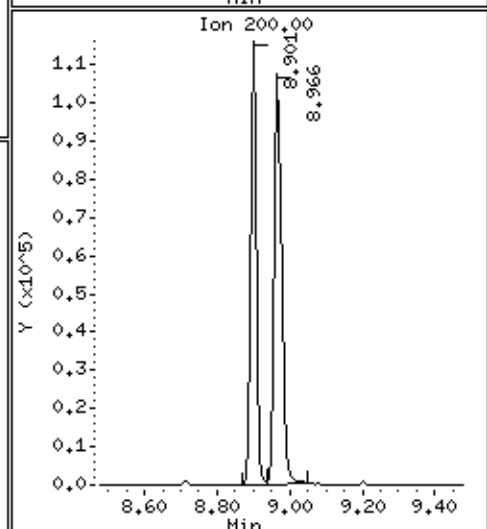
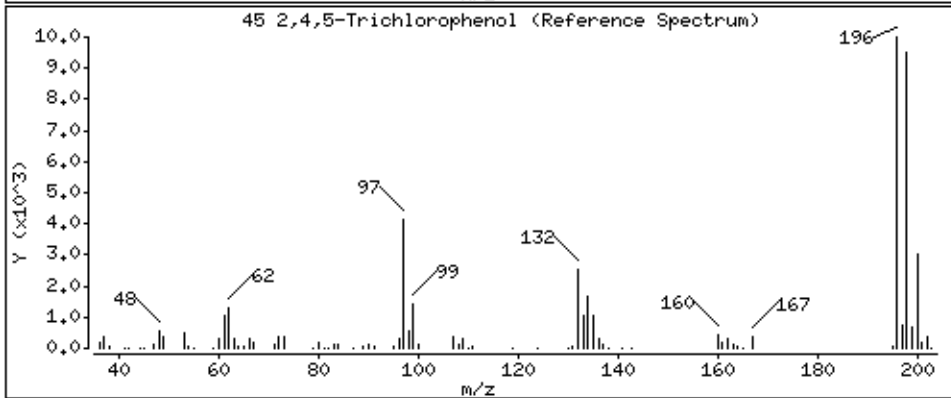
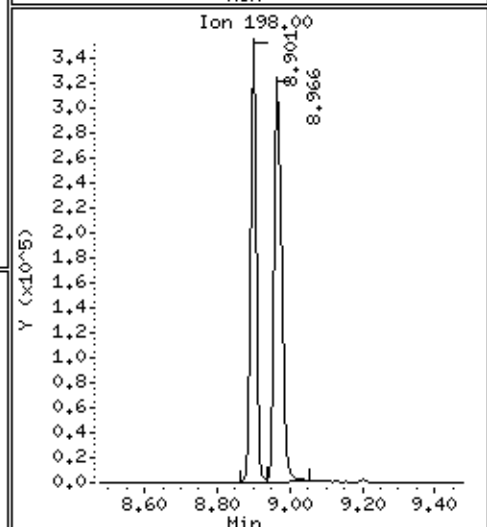
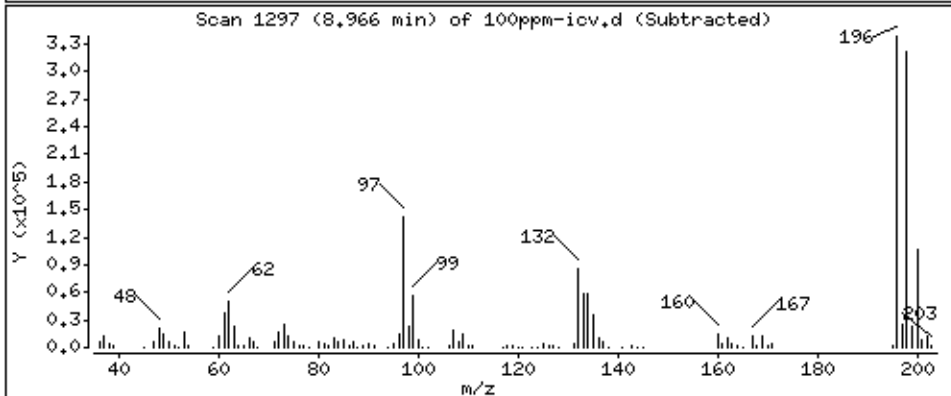
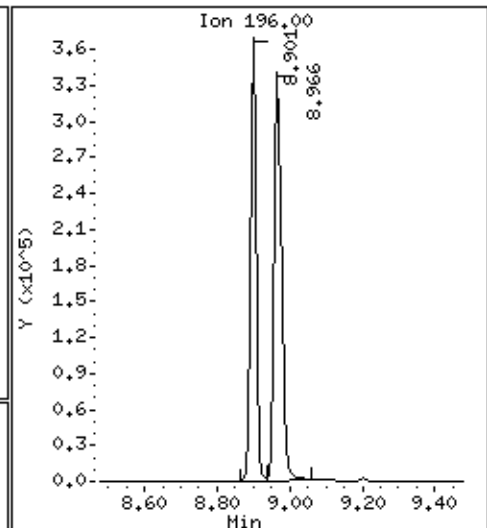
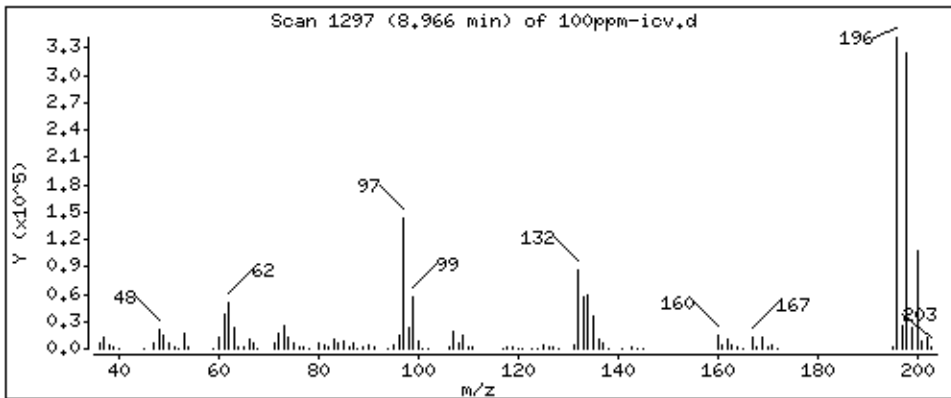
Operator: CEM

Column phase: .50um DB-5ms

Column diameter: 0,25

45 2,4,5-Trichlorophenol

Concentration: 101.8 ug/L



Date : 09-JUN-2014 16:19

Client ID:

Instrument: 50MSS2.i

Sample Info: ICV,70293:1

Volume Injected (uL): 1.0

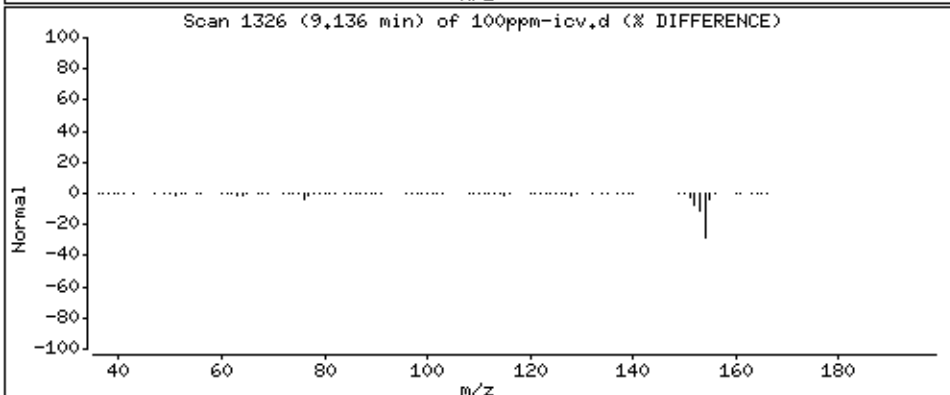
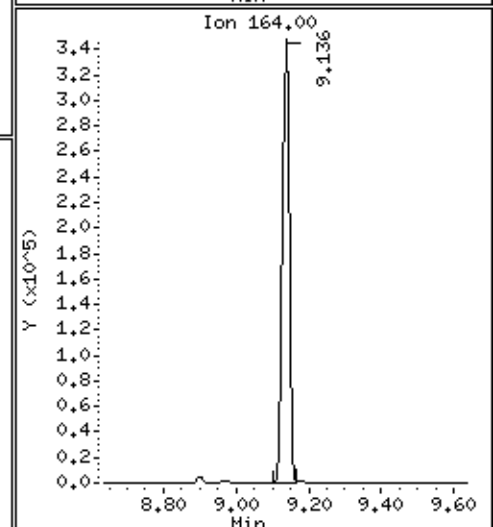
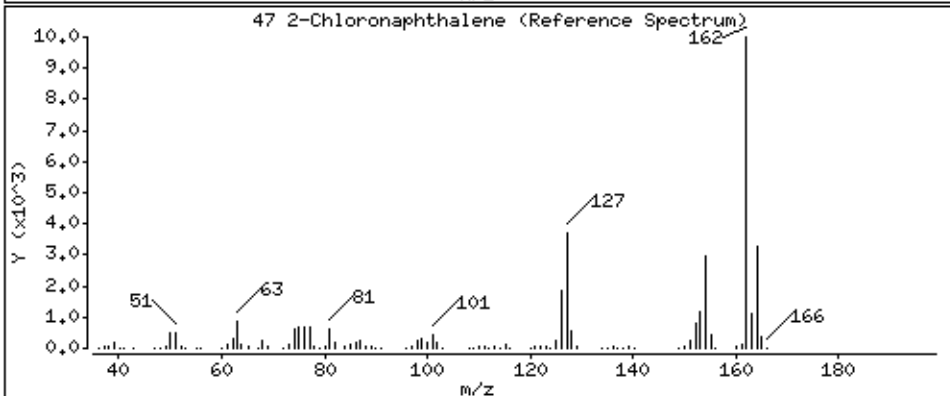
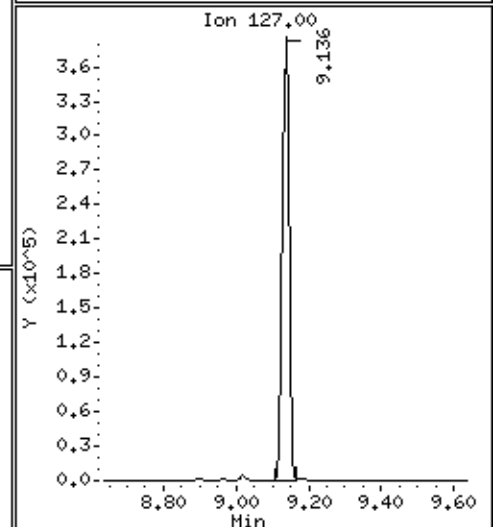
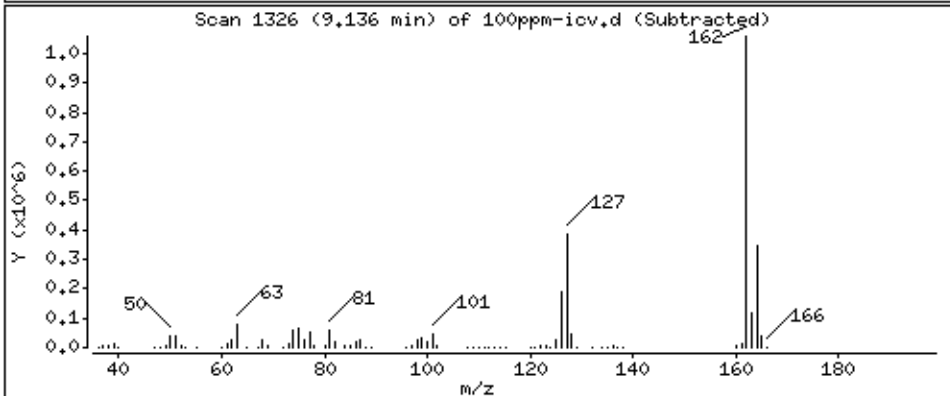
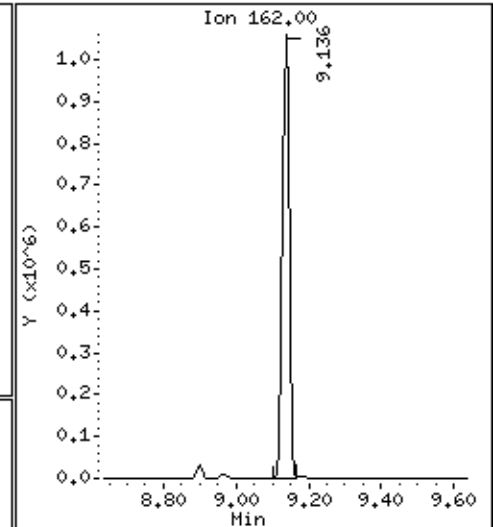
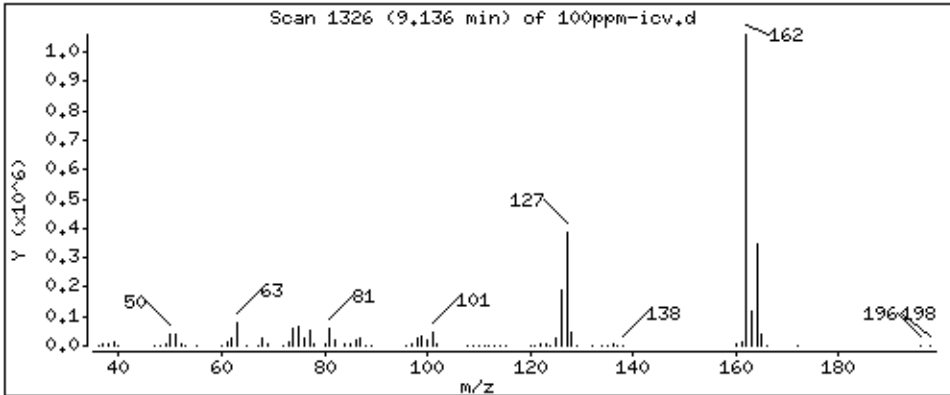
Operator: CEM

Column phase: .50um DB-5ms

Column diameter: 0,25

47 2-Chloronaphthalene

Concentration: 104.9 ug/L



Date : 09-JUN-2014 16:19

Client ID:

Instrument: 50MSS2.i

Sample Info: ICV,70293:1

Volume Injected (uL): 1.0

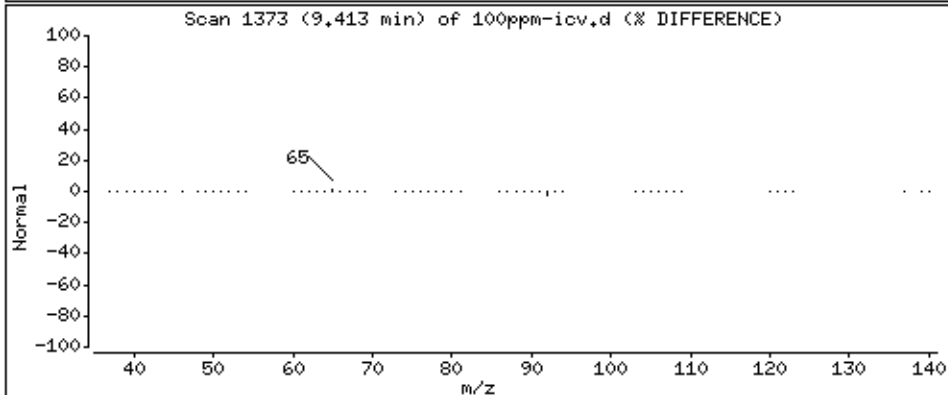
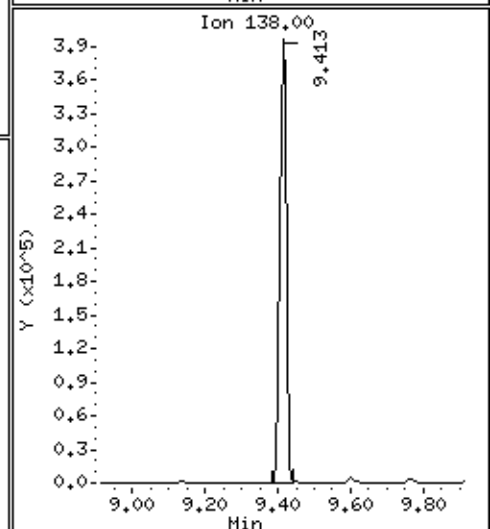
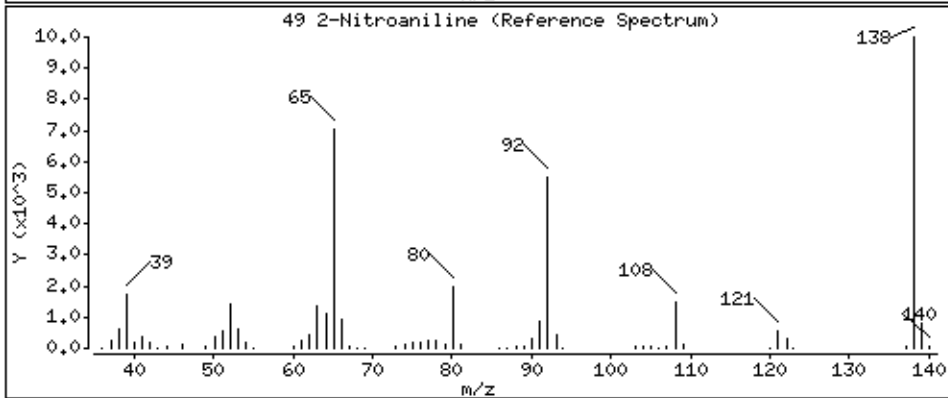
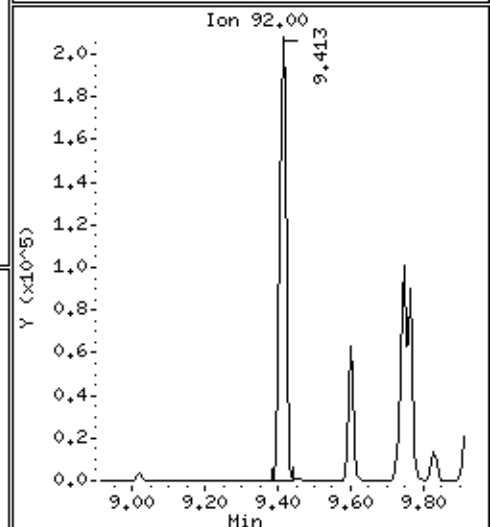
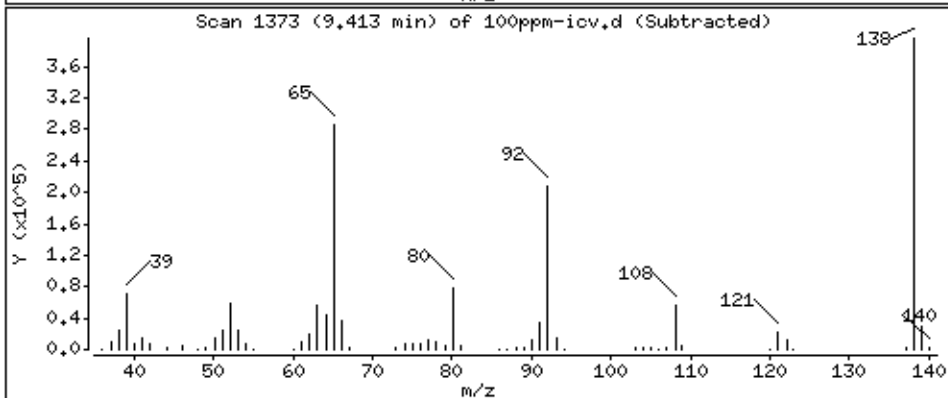
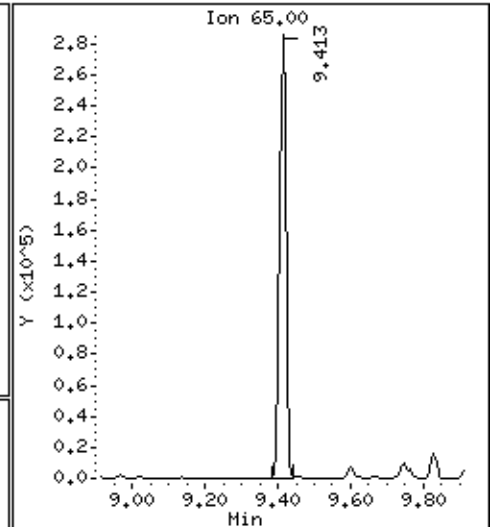
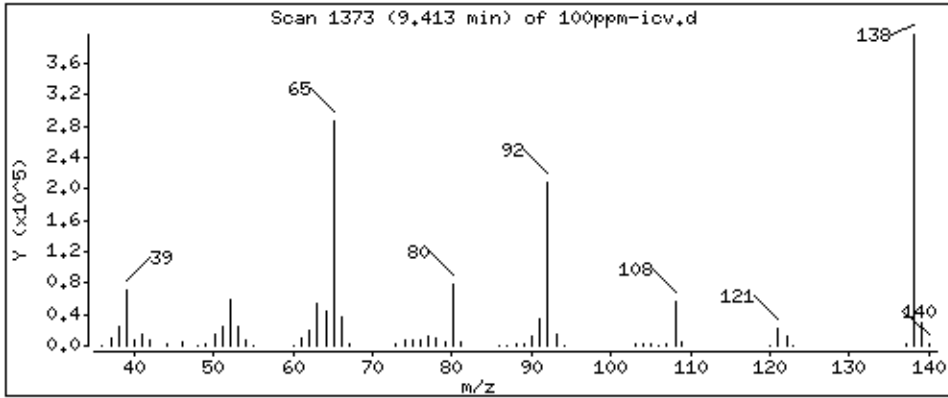
Operator: CEM

Column phase: .50um DB-5ms

Column diameter: 0,25

49 2-Nitroaniline

Concentration: 107.4 ug/L



Date : 09-JUN-2014 16:19

Client ID:

Instrument: 50MSS2.i

Sample Info: ICV,70293:1

Volume Injected (uL): 1.0

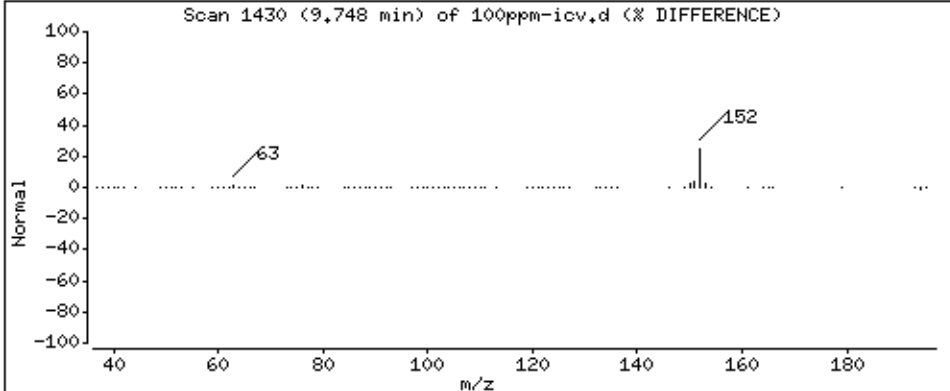
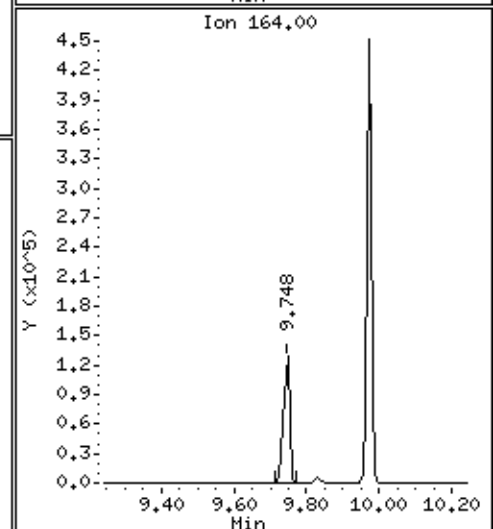
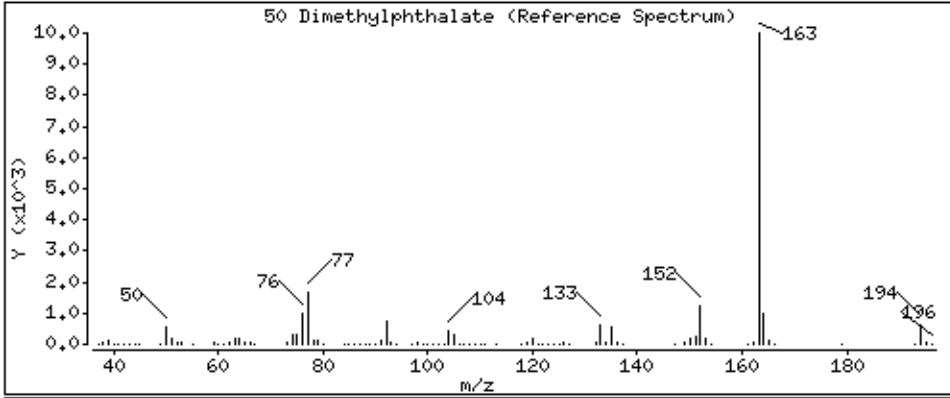
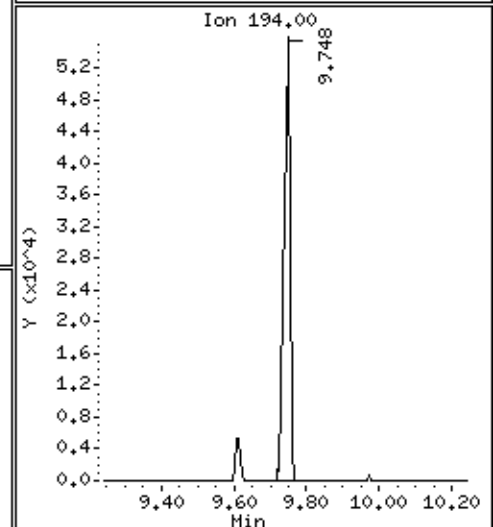
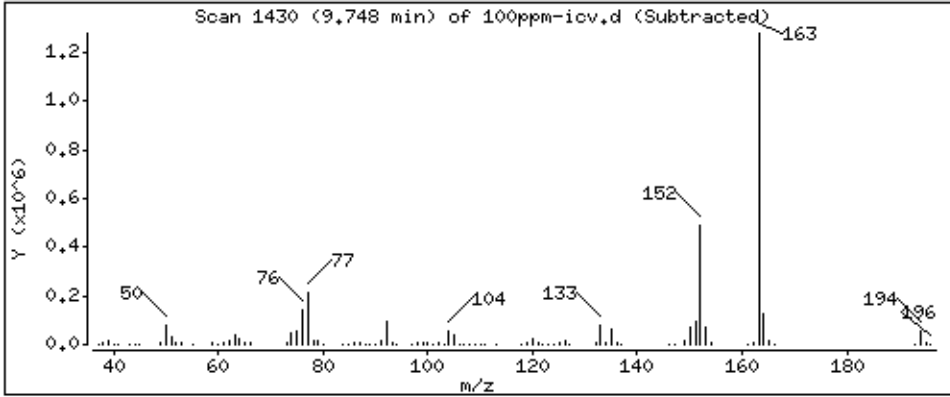
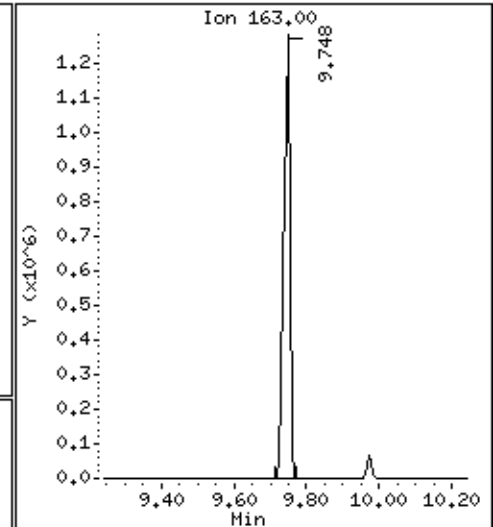
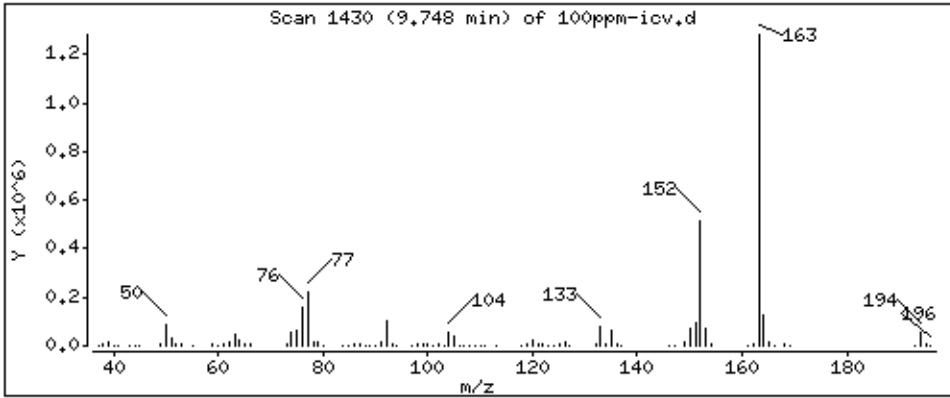
Operator: CEM

Column phase: .50um DB-5ms

Column diameter: 0,25

50 Dimethylphthalate

Concentration: 99,62 ug/L



Date : 09-JUN-2014 16:19

Client ID:

Instrument: 50MSS2.i

Sample Info: ICV,70293:1

Volume Injected (uL): 1.0

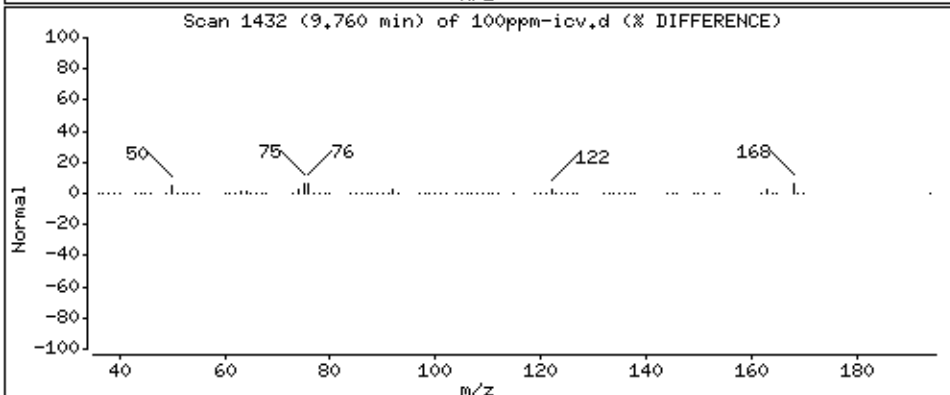
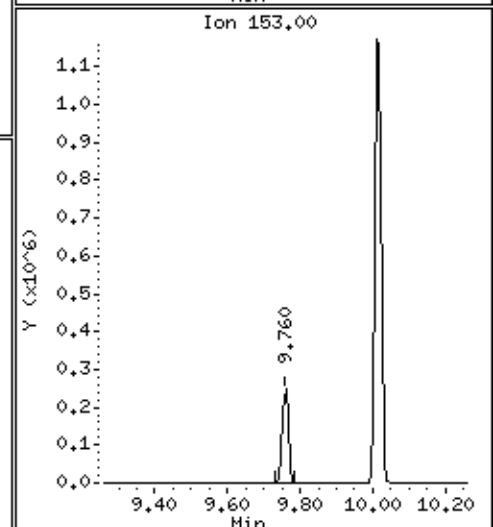
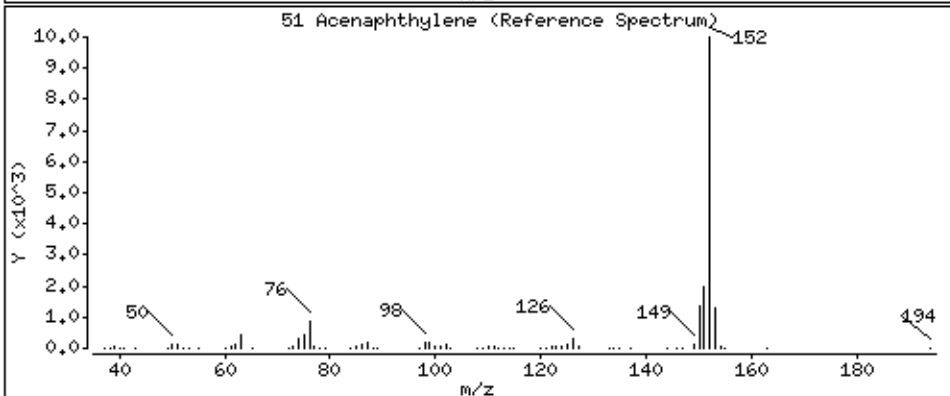
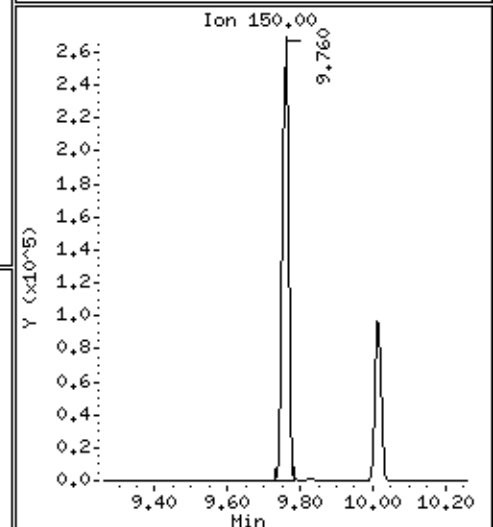
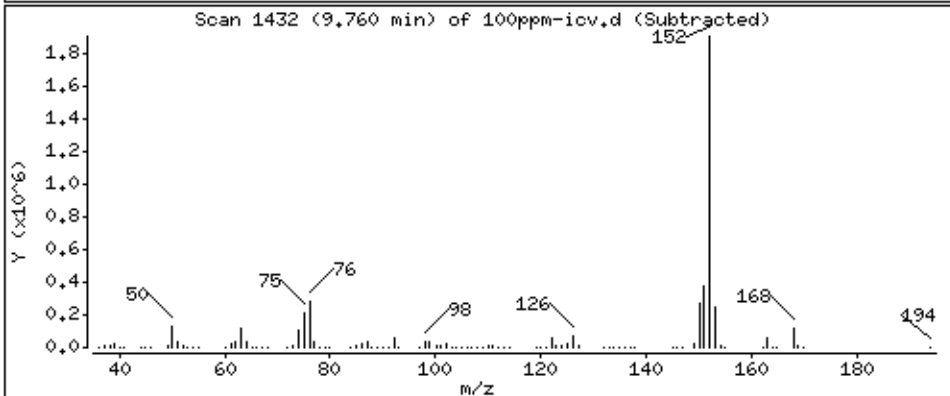
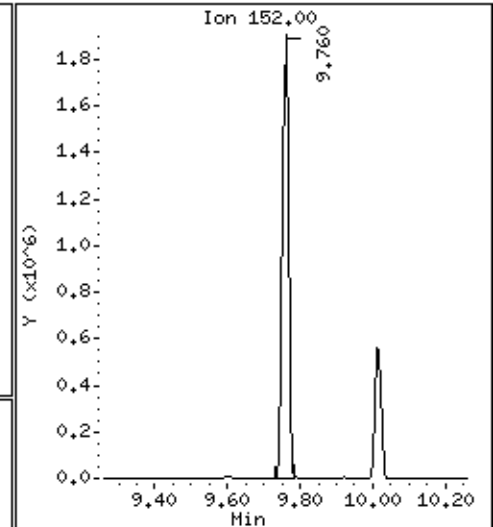
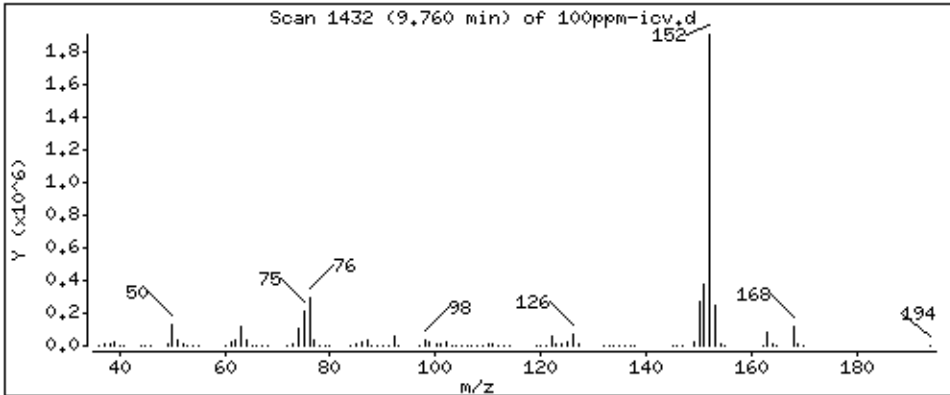
Operator: CEM

Column phase: .50um DB-5ms

Column diameter: 0,25

51 Acenaphthylene

Concentration: 96,79 ug/L



Date : 09-JUN-2014 16:19

Client ID:

Instrument: 50MSS2.i

Sample Info: ICV,70293:1

Volume Injected (uL): 1.0

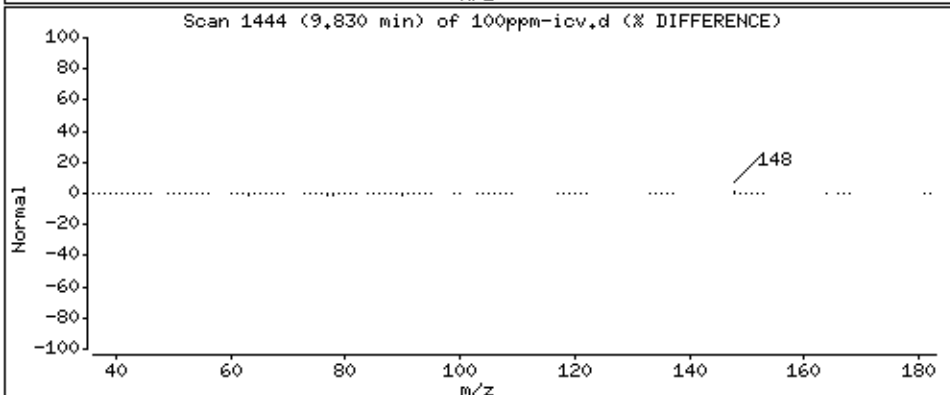
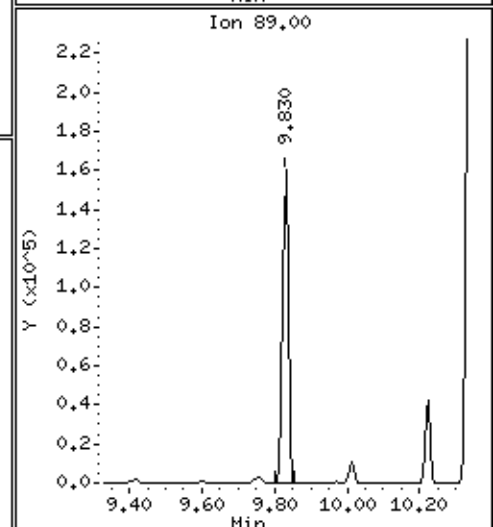
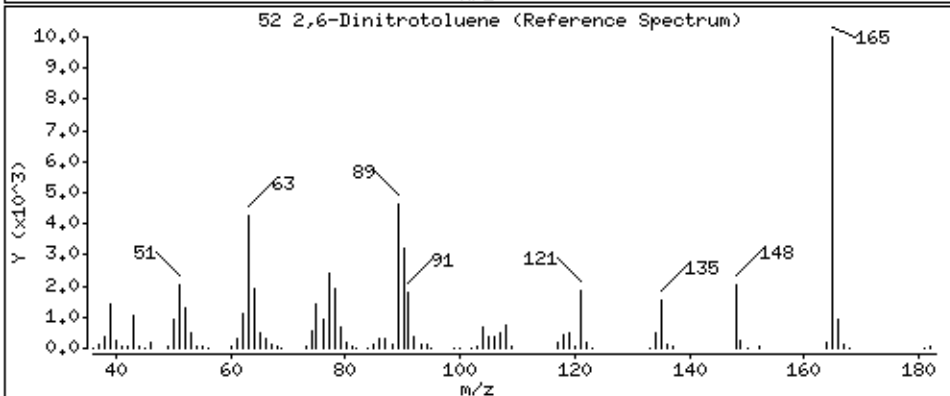
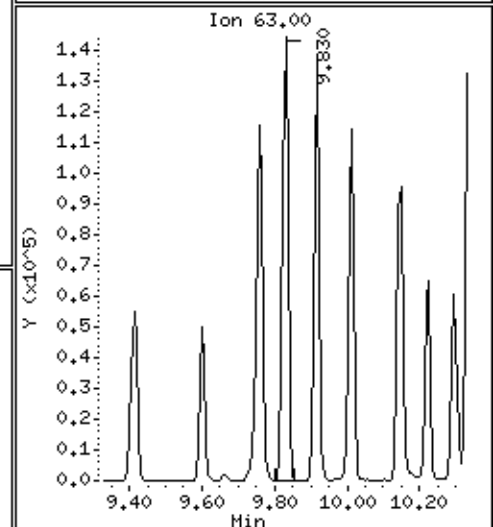
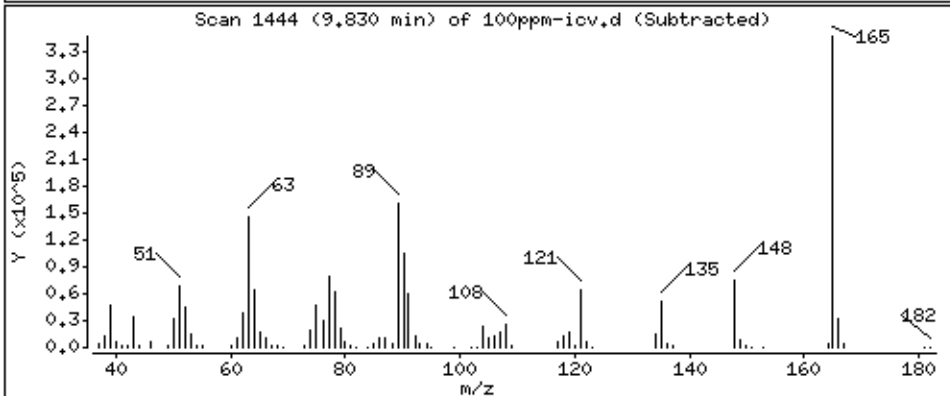
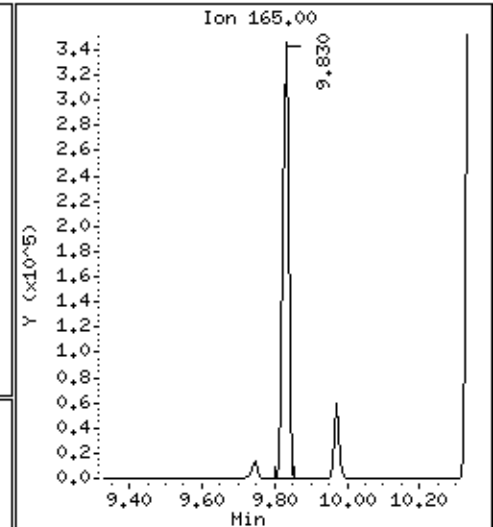
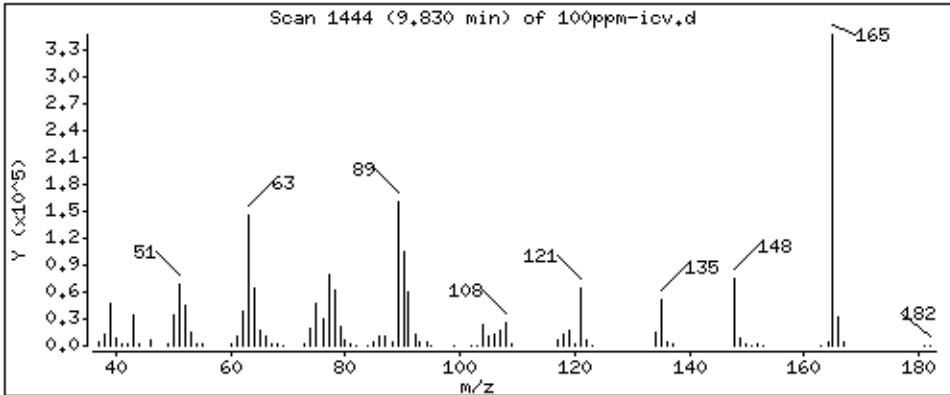
Operator: CEM

Column phase: .50um DB-5ms

Column diameter: 0,25

52 2,6-Dinitrotoluene

Concentration: 112.6 ug/L



Date : 09-JUN-2014 16:19

Client ID:

Instrument: 50MSS2.i

Sample Info: ICV,70293:1

Volume Injected (uL): 1.0

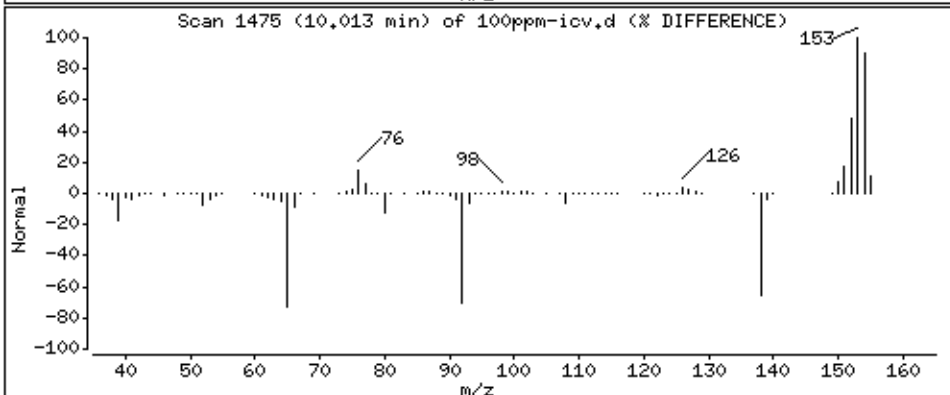
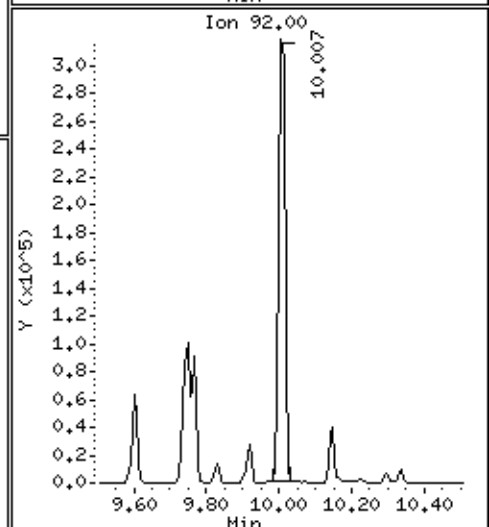
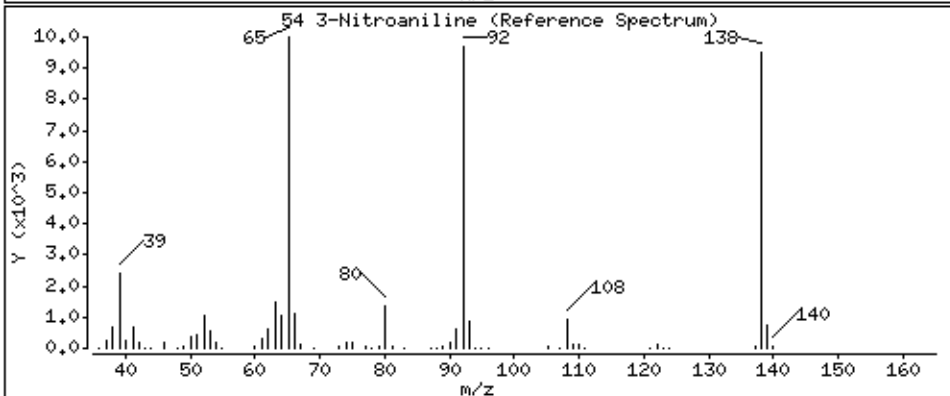
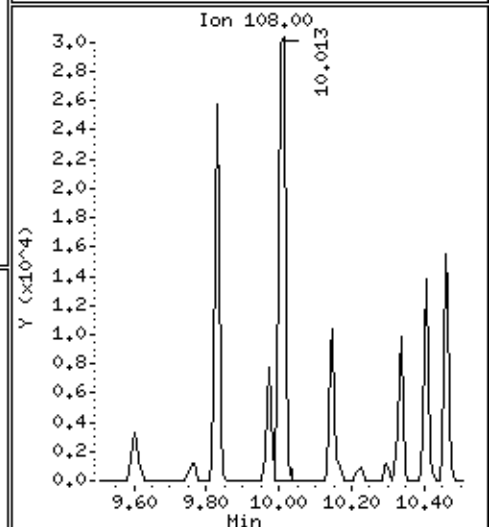
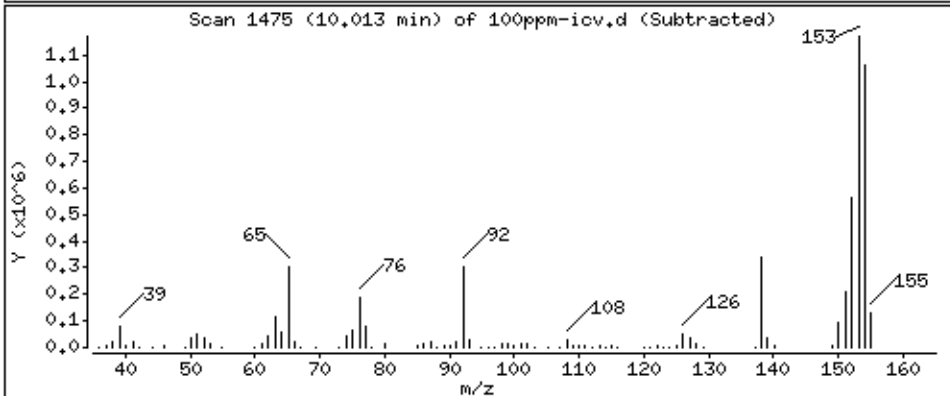
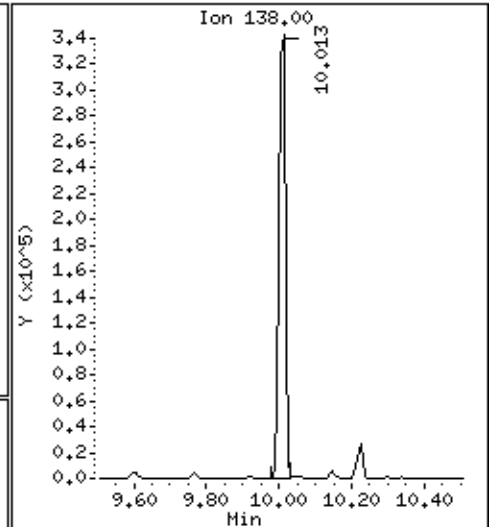
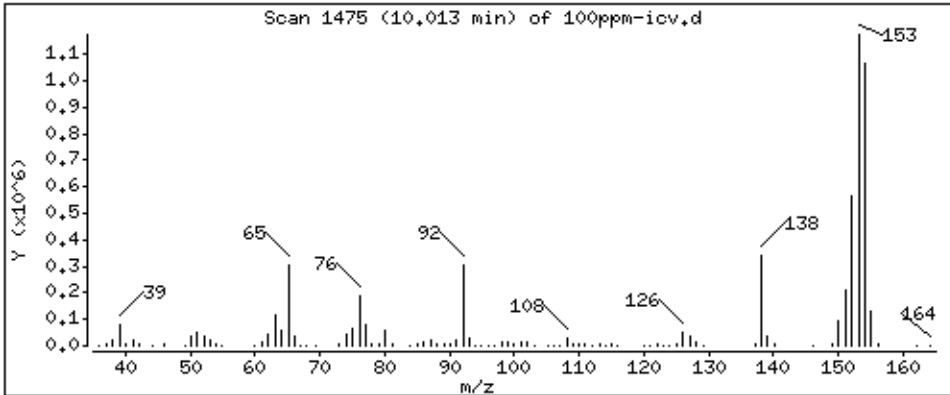
Operator: CEM

Column phase: .50um DB-5ms

Column diameter: 0,25

54 3-Nitroaniline

Concentration: 111.2 ug/L



Date : 09-JUN-2014 16:19

Client ID:

Instrument: 50MSS2.i

Sample Info: ICV,70293:1

Volume Injected (uL): 1.0

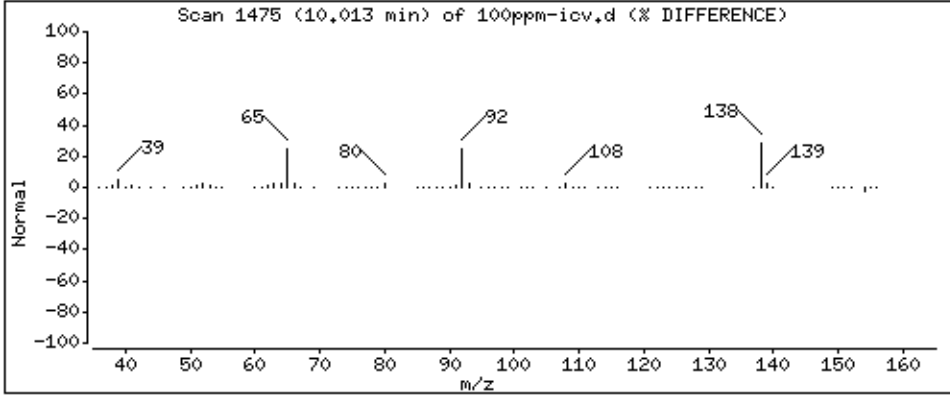
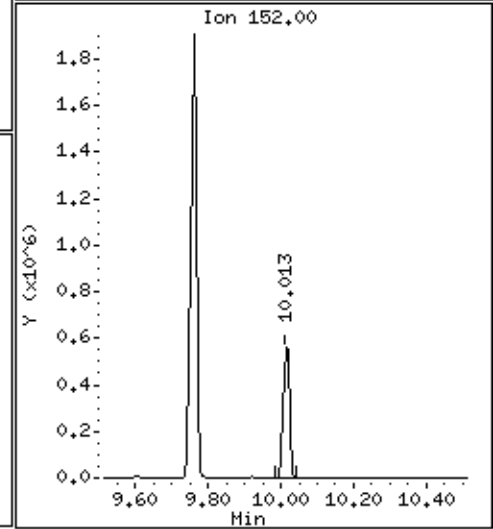
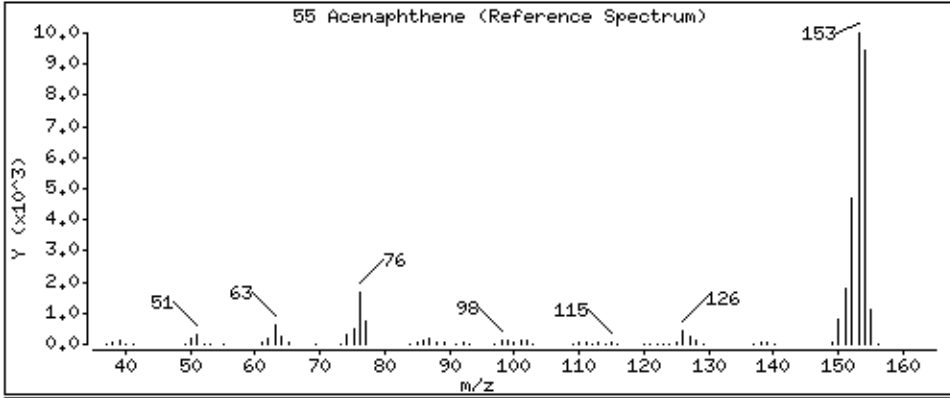
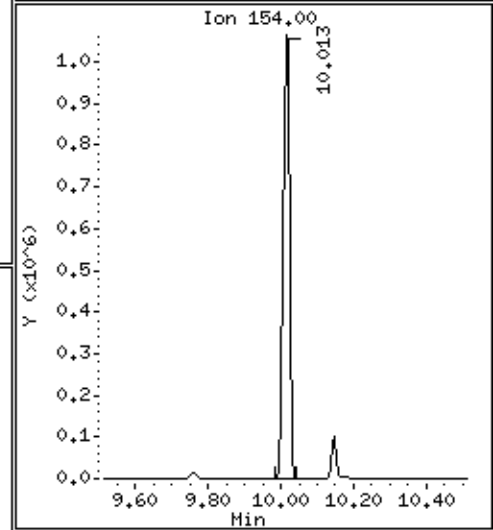
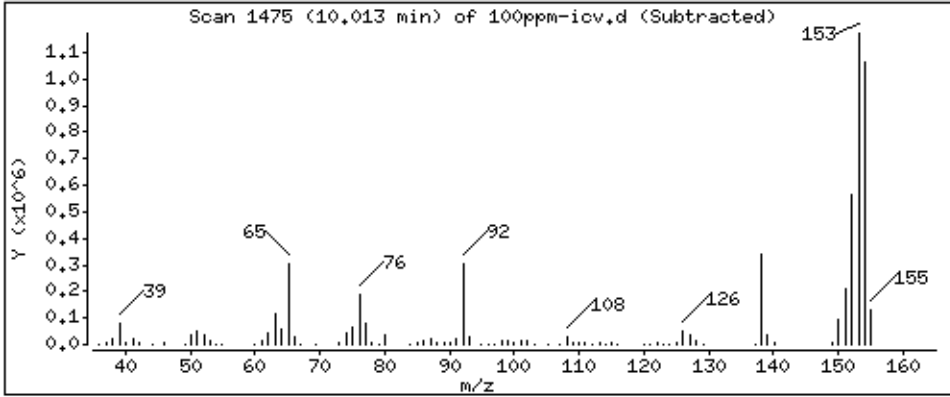
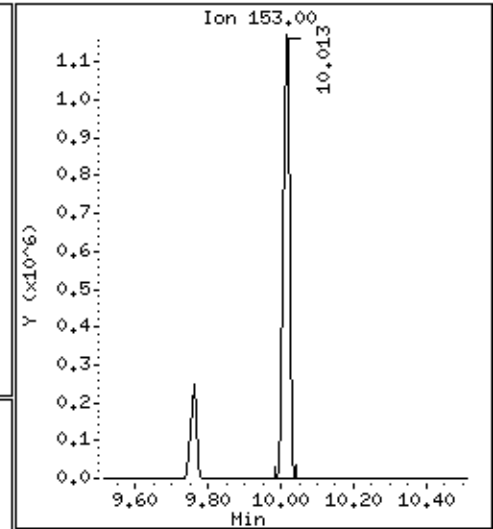
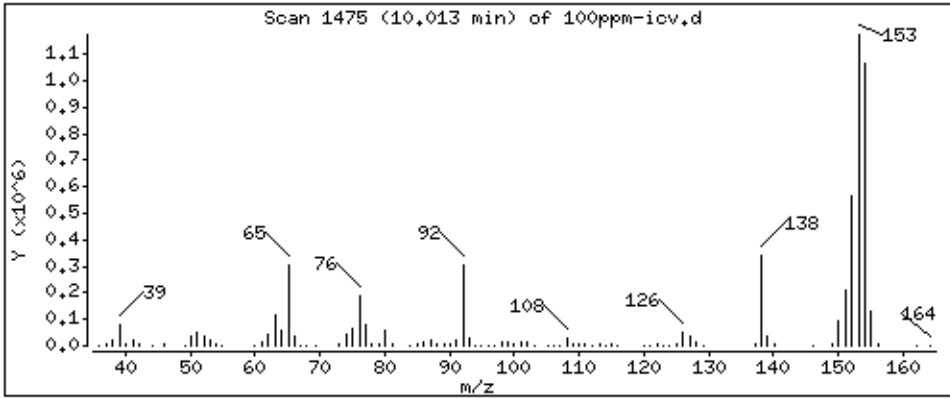
Operator: CEM

Column phase: .50um DB-5ms

Column diameter: 0,25

55 Acenaphthene

Concentration: 100.8 ug/L



Date : 09-JUN-2014 16:19

Client ID:

Instrument: 50MSS2.i

Sample Info: ICV,70293:1

Volume Injected (uL): 1.0

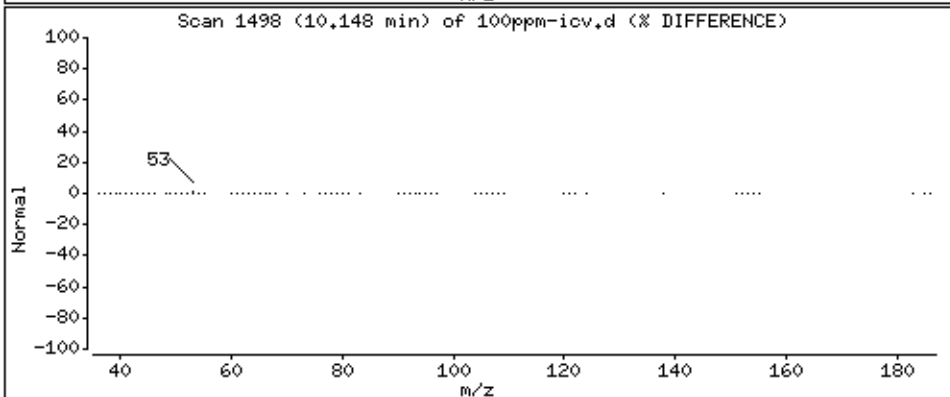
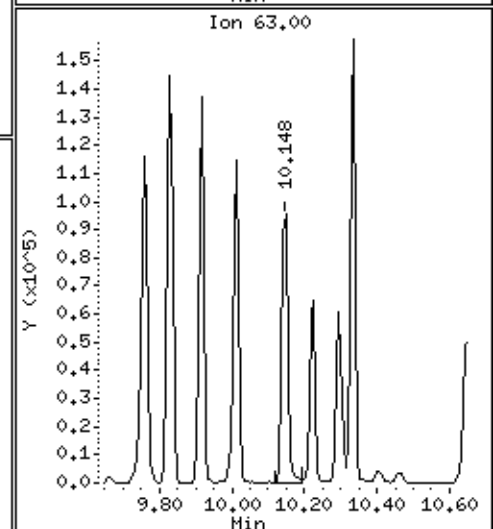
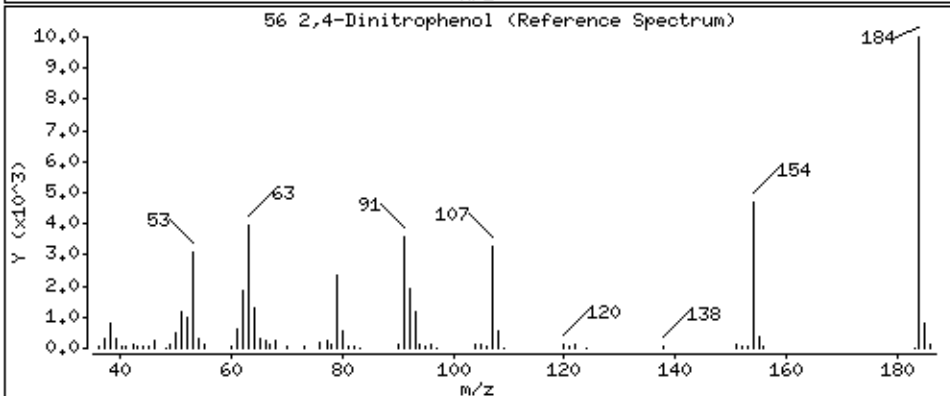
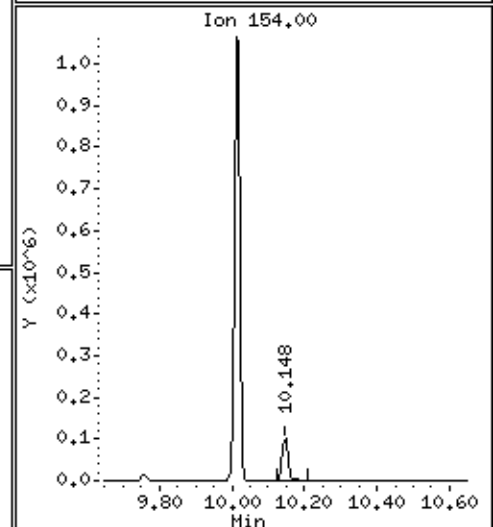
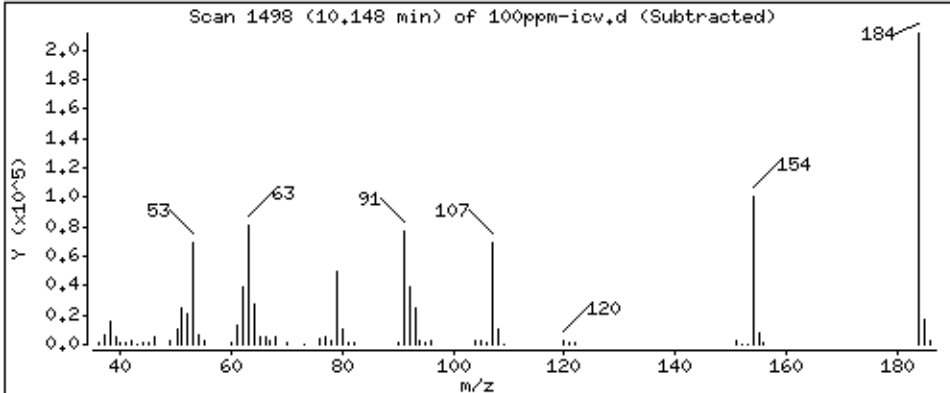
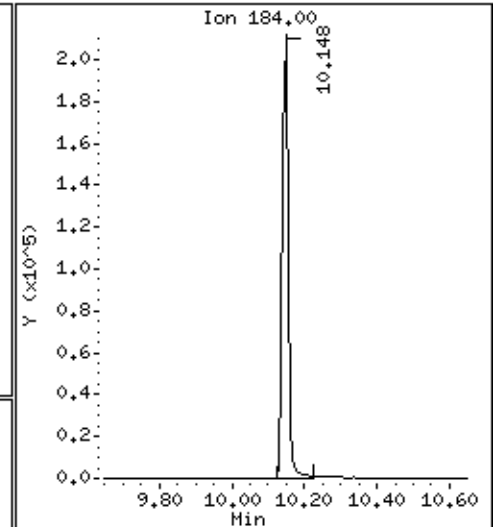
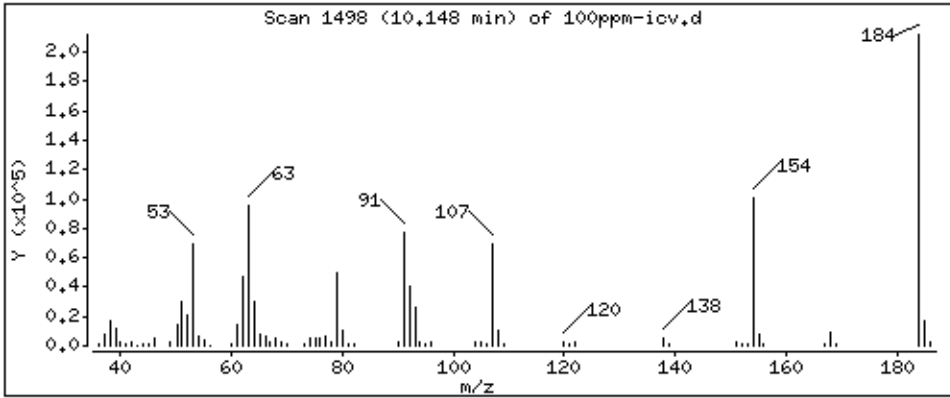
Operator: CEM

Column phase: .50um DB-5ms

Column diameter: 0,25

56 2,4-Dinitrophenol

Concentration: 105.8 ug/L



Date : 09-JUN-2014 16:19

Client ID:

Instrument: 50MSS2.i

Sample Info: ICV,70293:1

Volume Injected (uL): 1.0

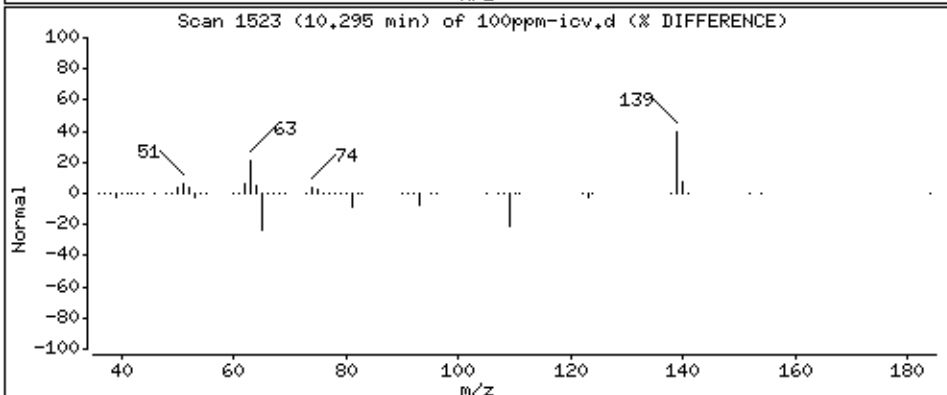
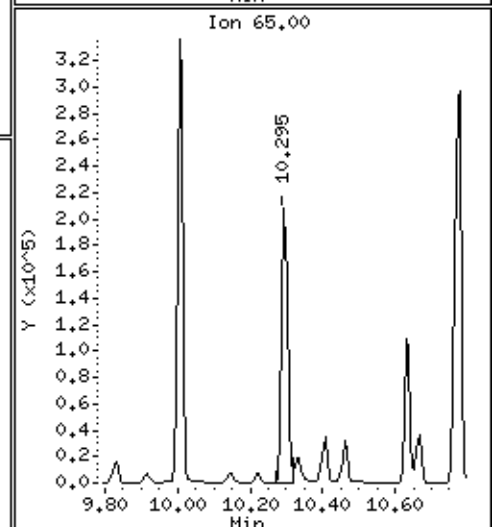
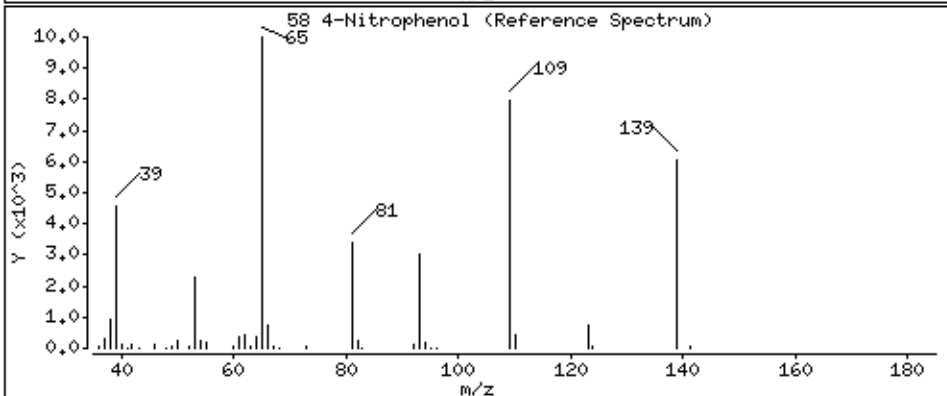
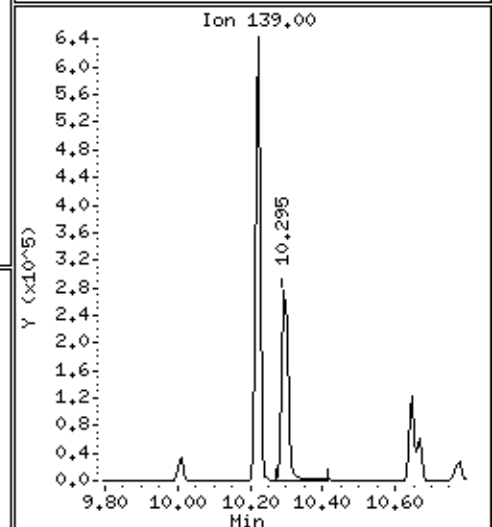
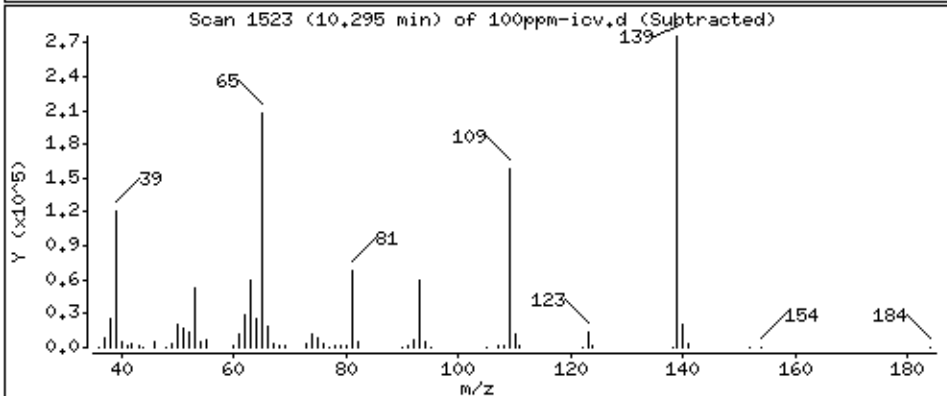
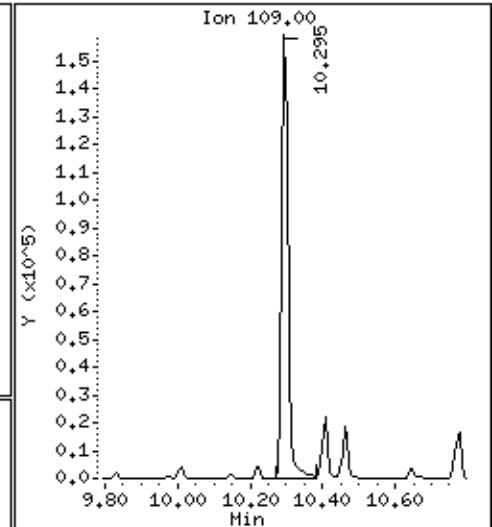
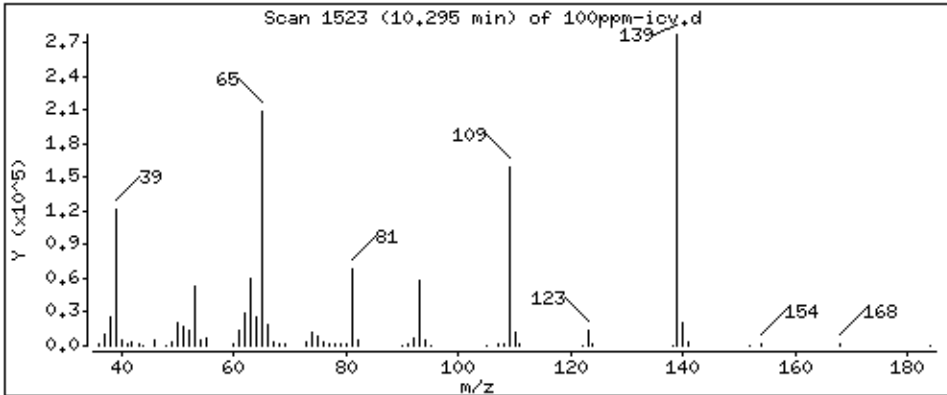
Operator: CEM

Column phase: .50um DB-5ms

Column diameter: 0,25

58 4-Nitrophenol

Concentration: 105,6 ug/L



Date : 09-JUN-2014 16:19

Client ID:

Instrument: 50MSS2.i

Sample Info: ICV,70293:1

Volume Injected (uL): 1.0

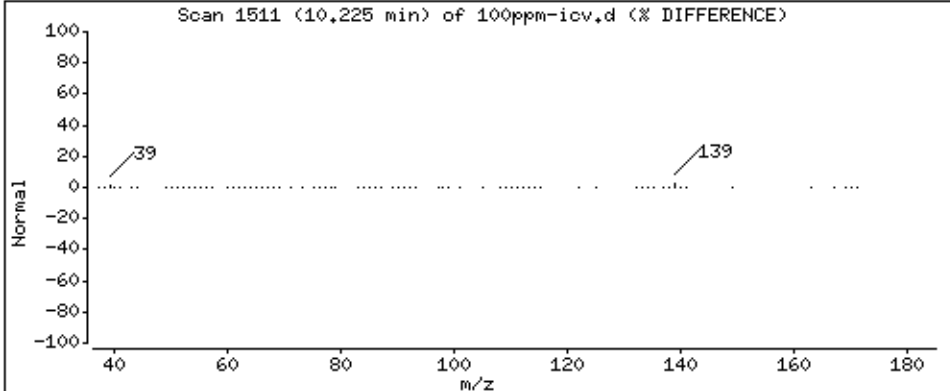
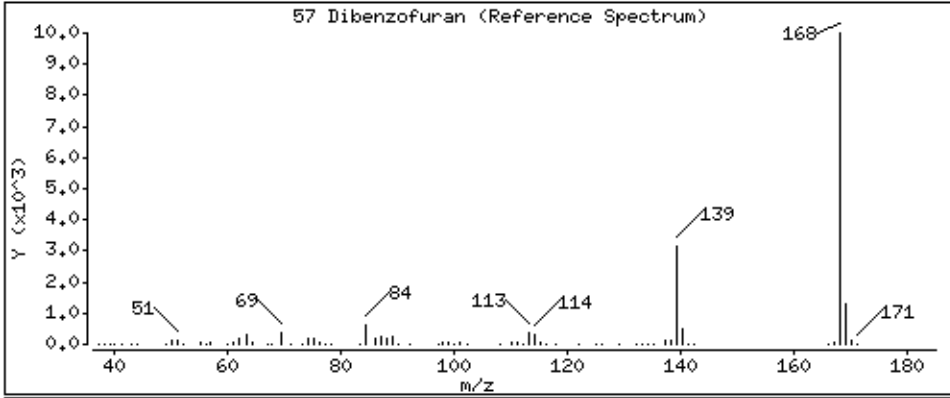
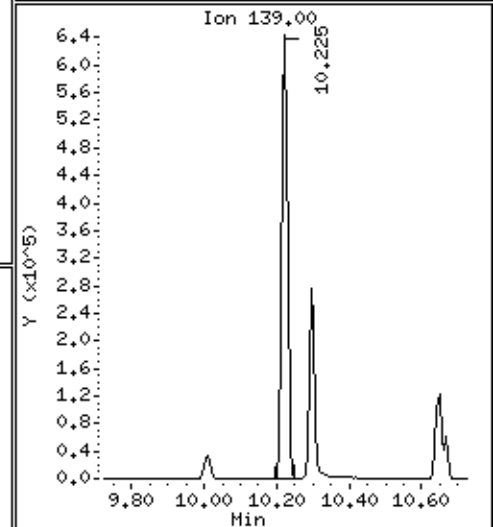
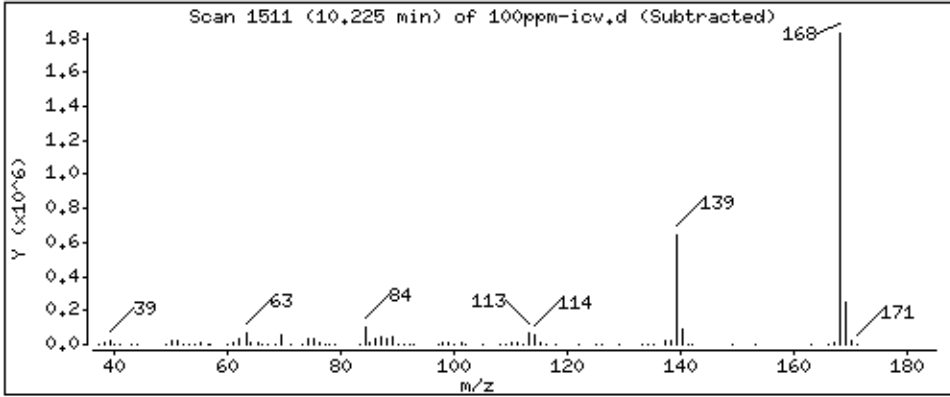
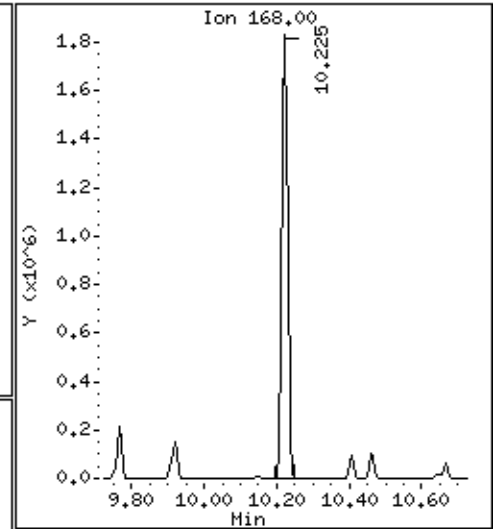
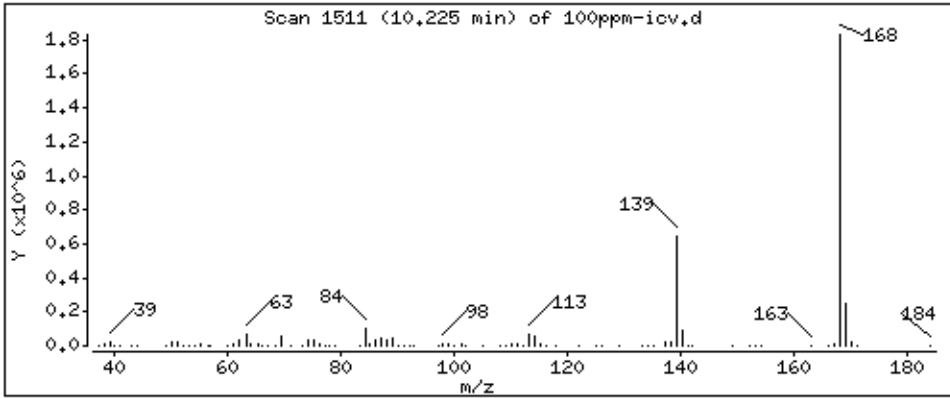
Operator: CEM

Column phase: .50um DB-5ms

Column diameter: 0,25

57 Dibenzofuran

Concentration: 101.1 ug/L



Date : 09-JUN-2014 16:19

Client ID:

Instrument: 50MSS2.i

Sample Info: ICV,70293:1

Volume Injected (uL): 1.0

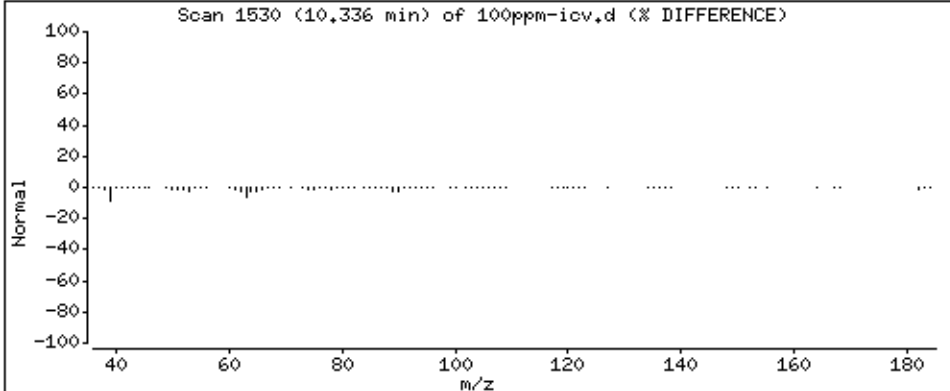
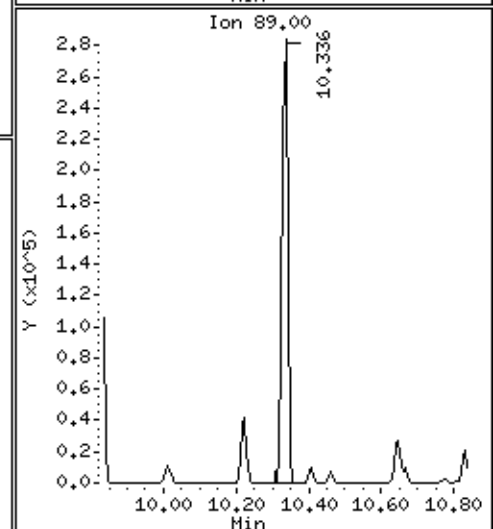
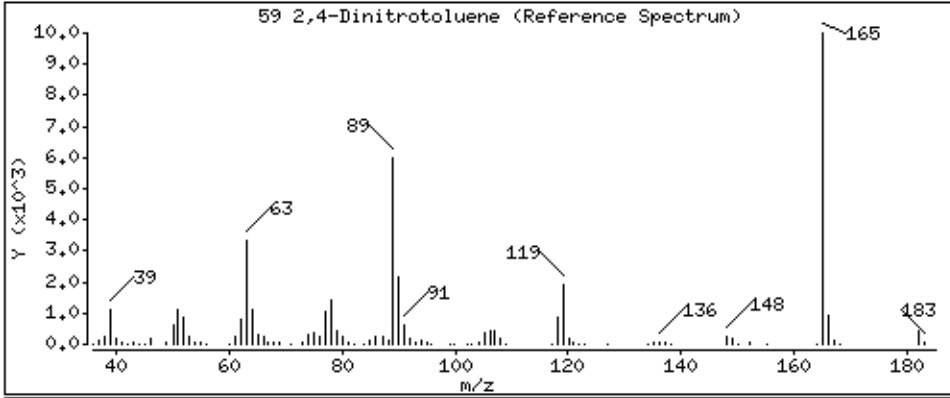
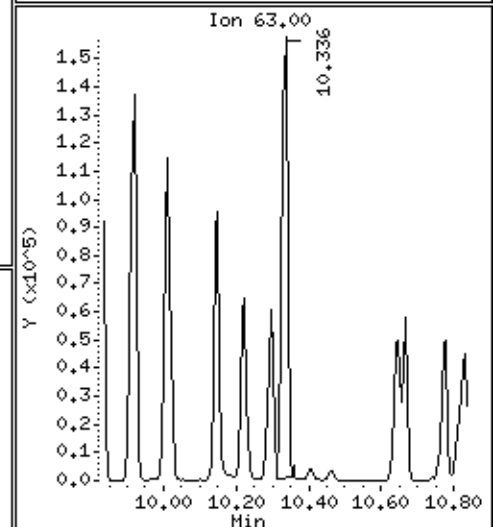
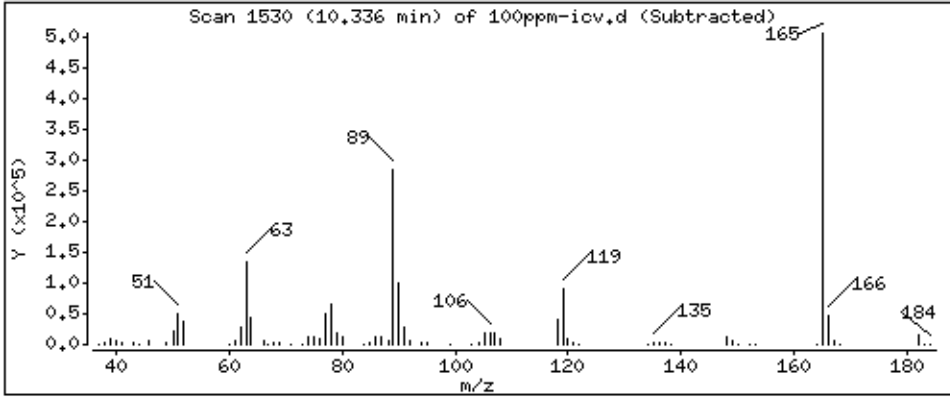
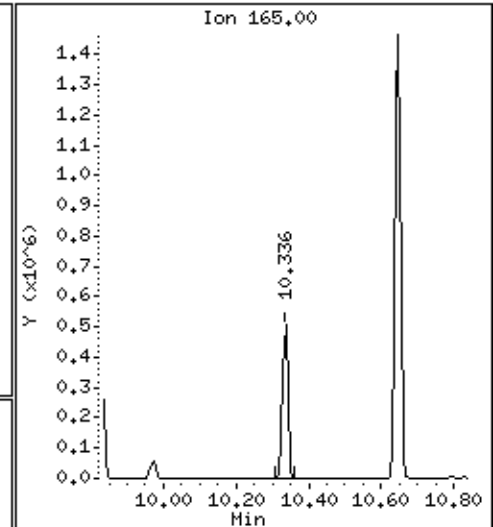
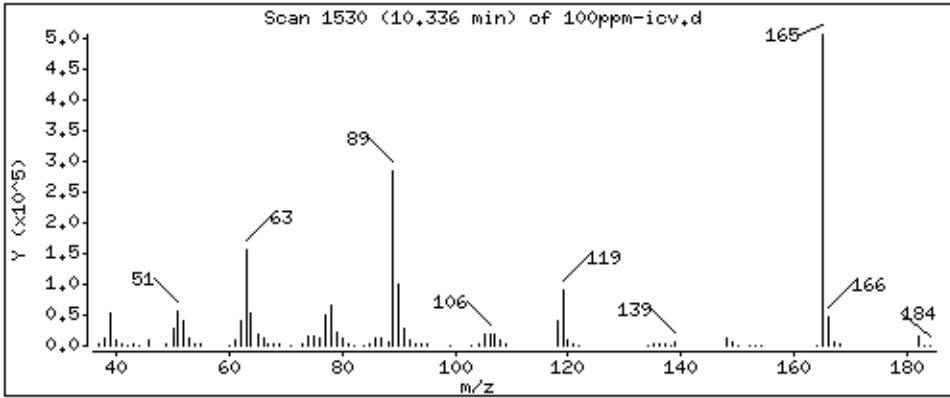
Operator: CEM

Column phase: .50um DB-5ms

Column diameter: 0,25

59 2,4-Dinitrotoluene

Concentration: 111.0 ug/L



Date : 09-JUN-2014 16:19

Client ID:

Instrument: 50MSS2.i

Sample Info: ICV,70293:1

Volume Injected (uL): 1.0

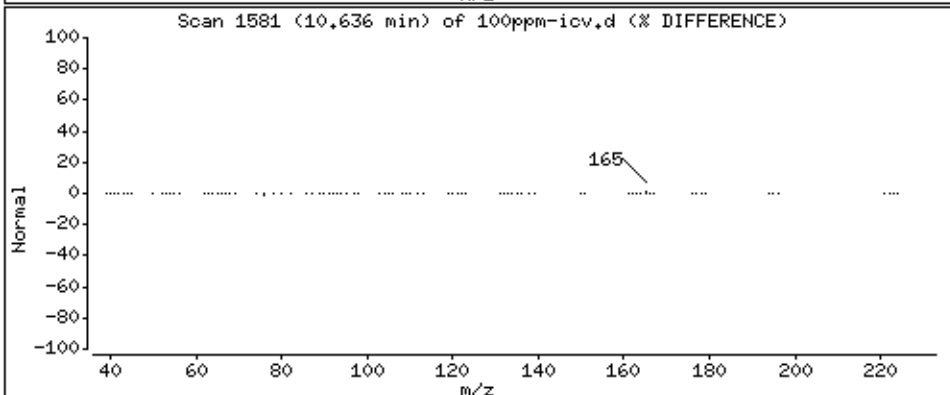
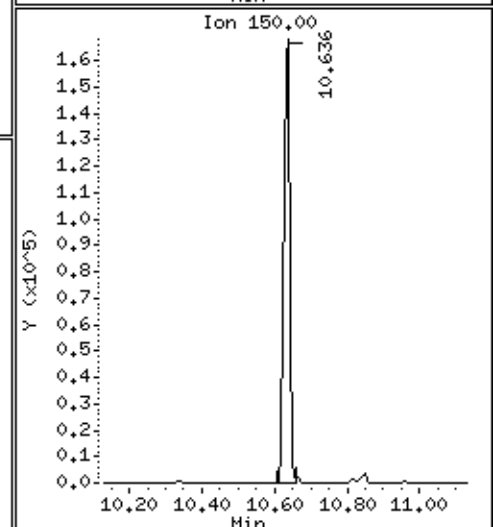
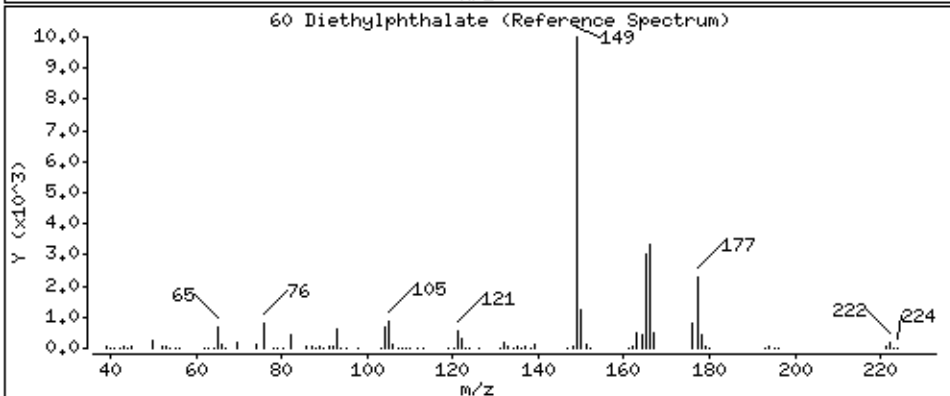
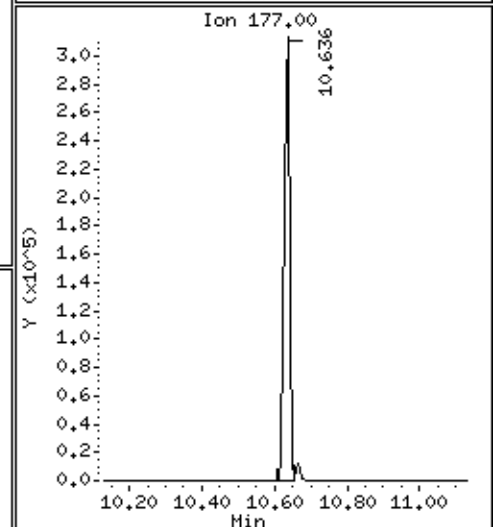
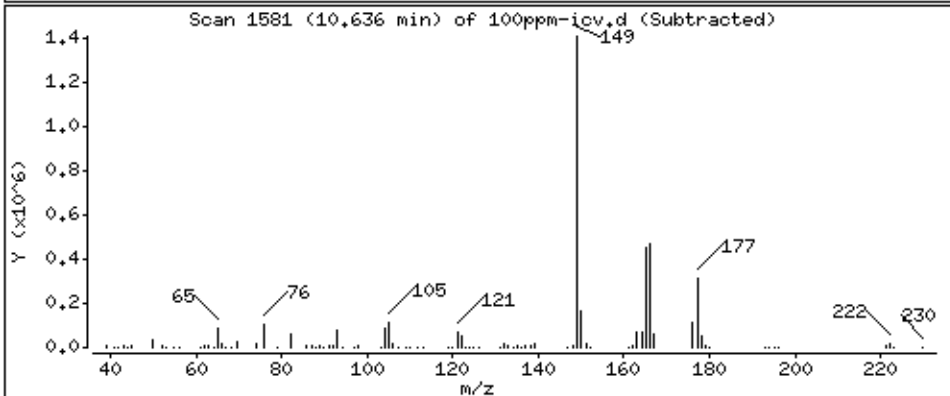
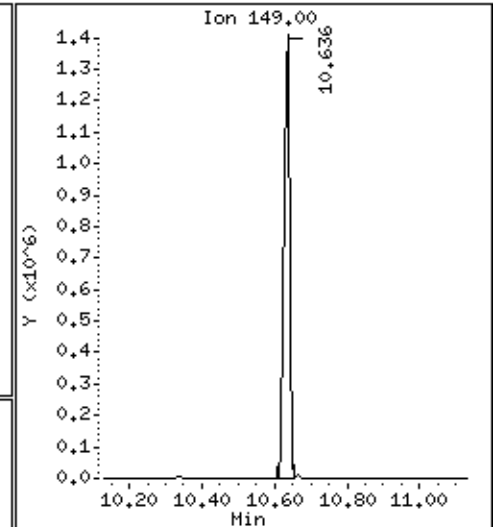
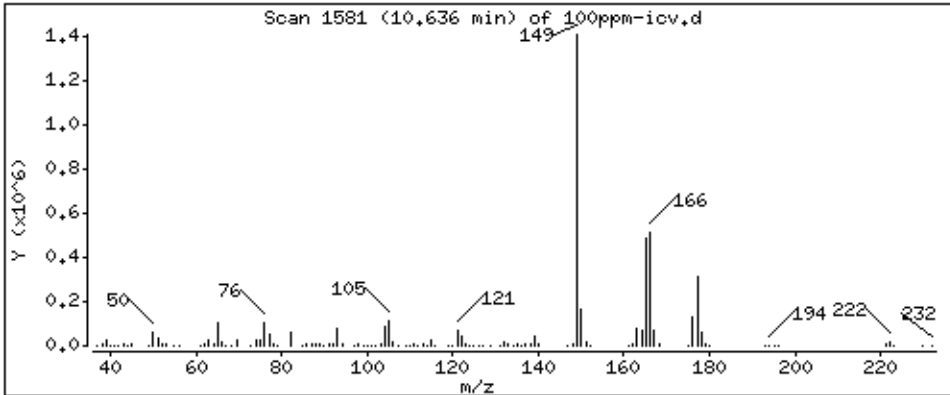
Operator: CEM

Column phase: .50um DB-5ms

Column diameter: 0,25

60 Diethylphthalate

Concentration: 100,3 ug/L



Date : 09-JUN-2014 16:19

Client ID:

Instrument: 50MSS2.i

Sample Info: ICV,70293:1

Volume Injected (uL): 1.0

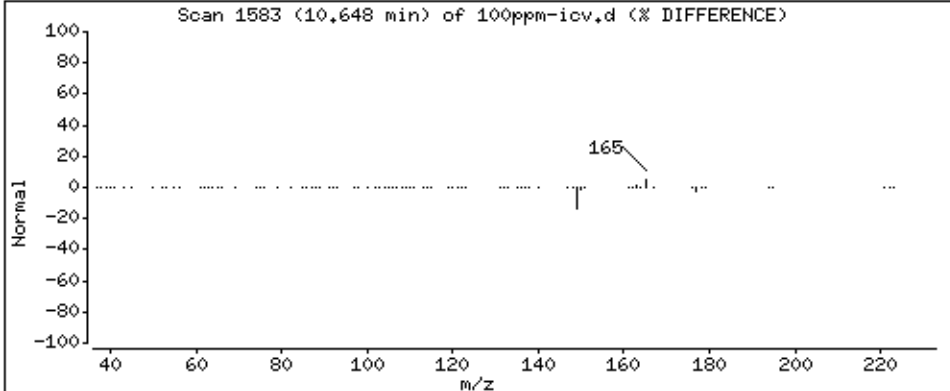
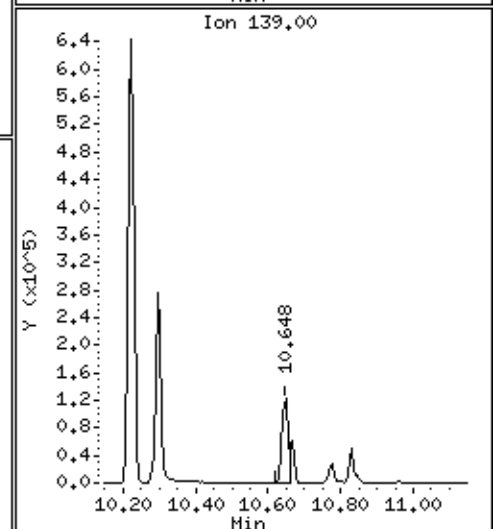
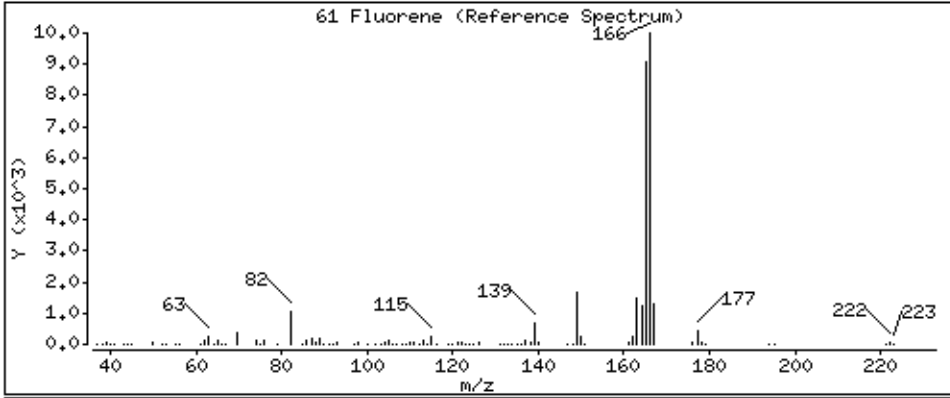
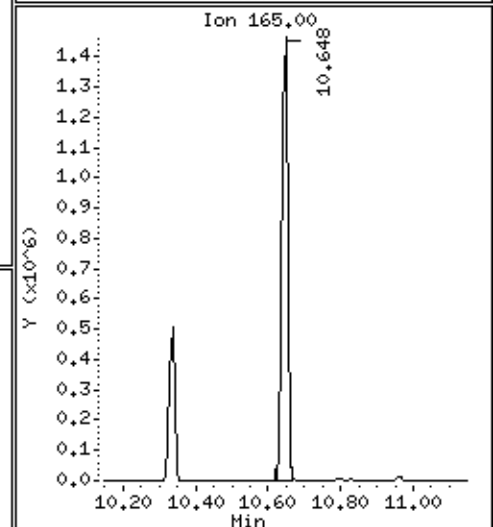
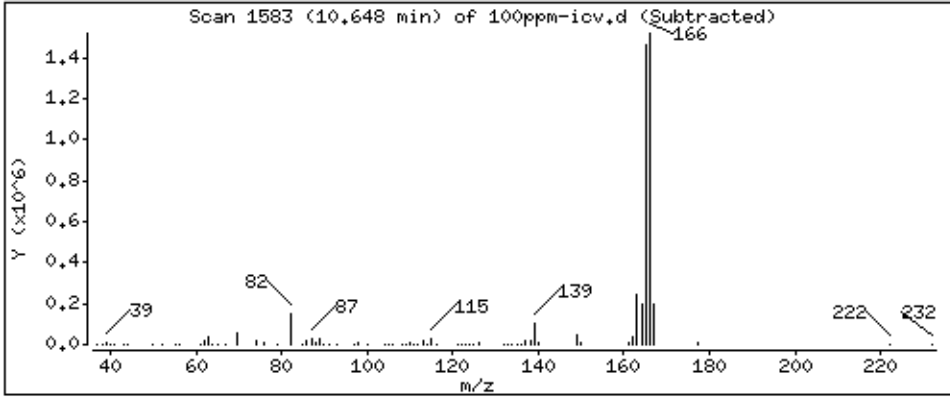
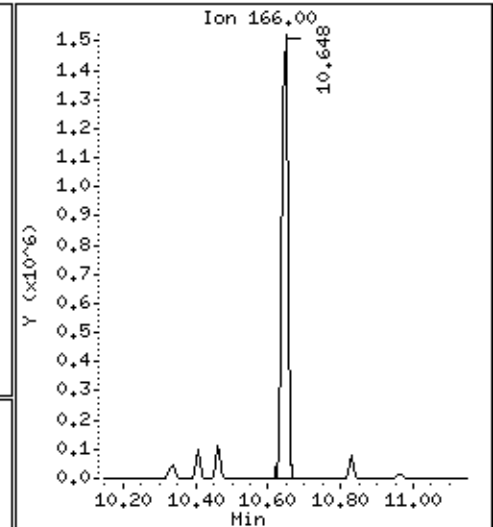
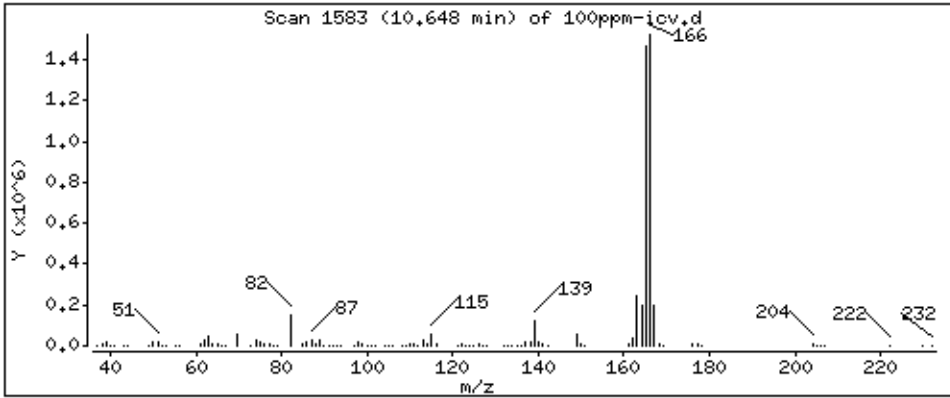
Operator: CEM

Column phase: .50um DB-5ms

Column diameter: 0,25

61 Fluorene

Concentration: 102.2 ug/L



Date : 09-JUN-2014 16:19

Client ID:

Instrument: 50MSS2.i

Sample Info: ICV,70293:1

Volume Injected (uL): 1.0

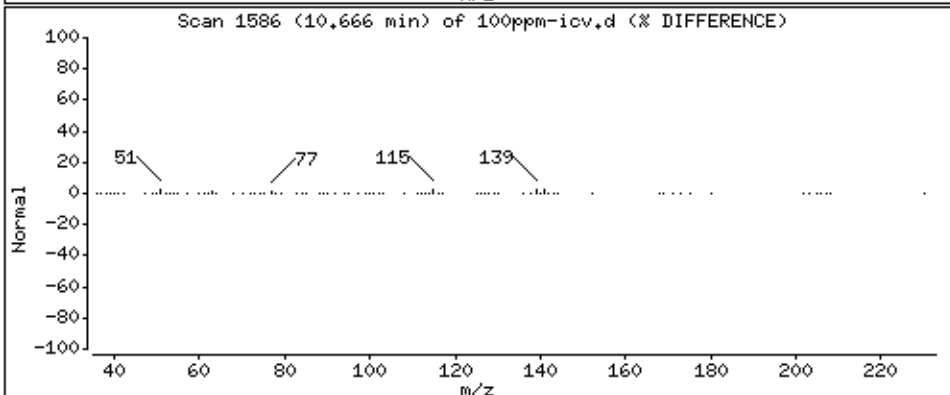
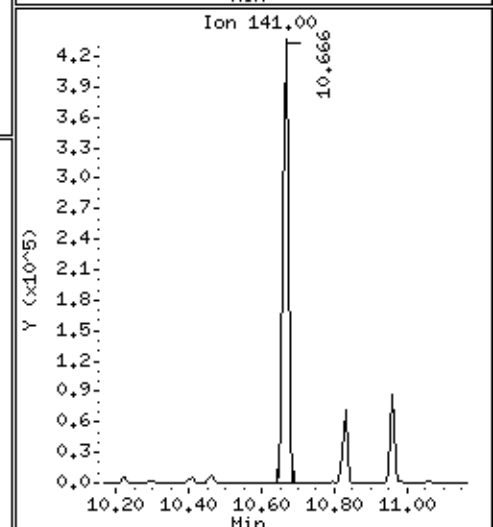
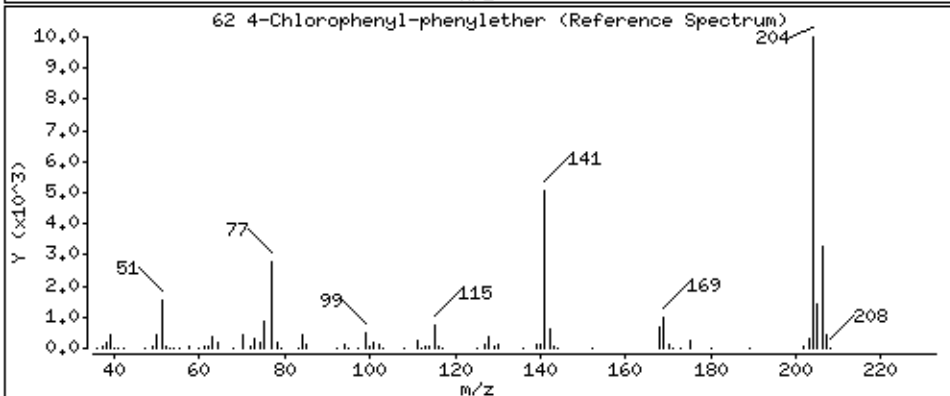
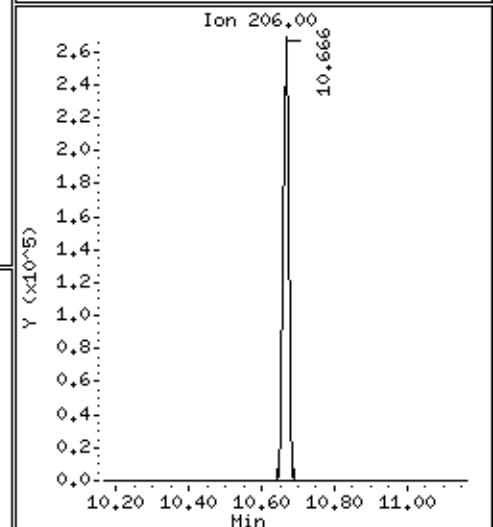
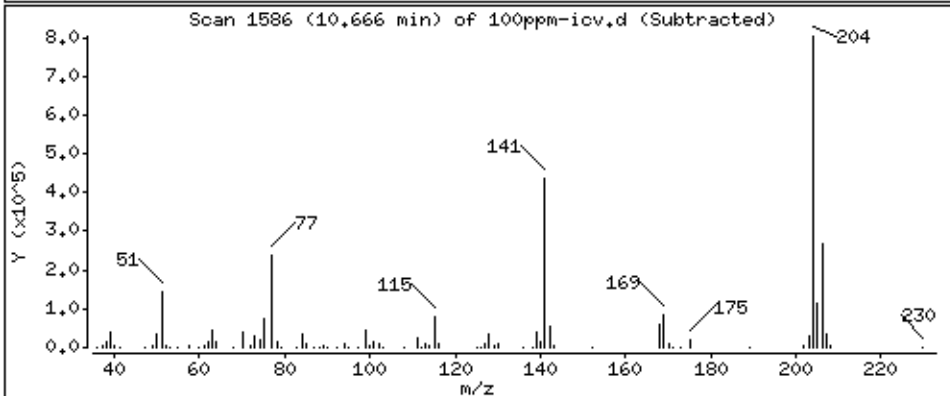
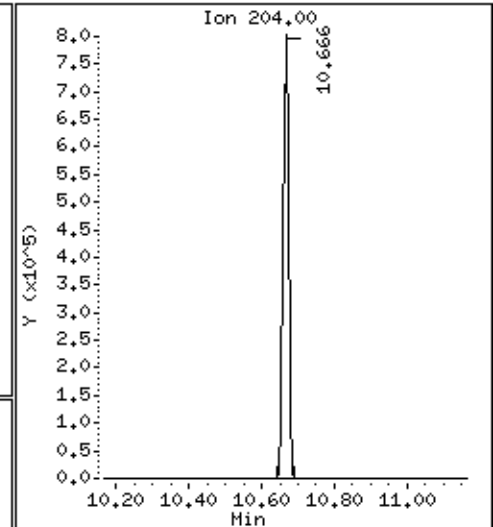
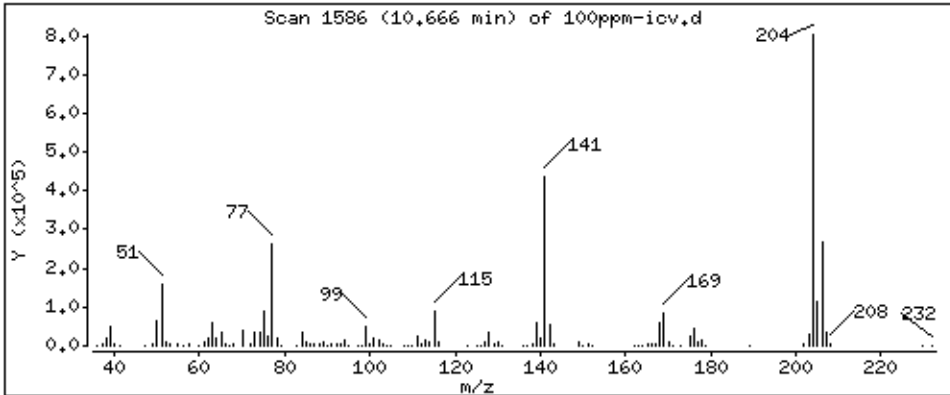
Operator: CEM

Column phase: .50um DB-5ms

Column diameter: 0,25

62 4-Chlorophenyl-phenylether

Concentration: 103,8 ug/L



Date : 09-JUN-2014 16:19

Client ID:

Instrument: 50MSS2.i

Sample Info: ICV,70293:1

Volume Injected (uL): 1.0

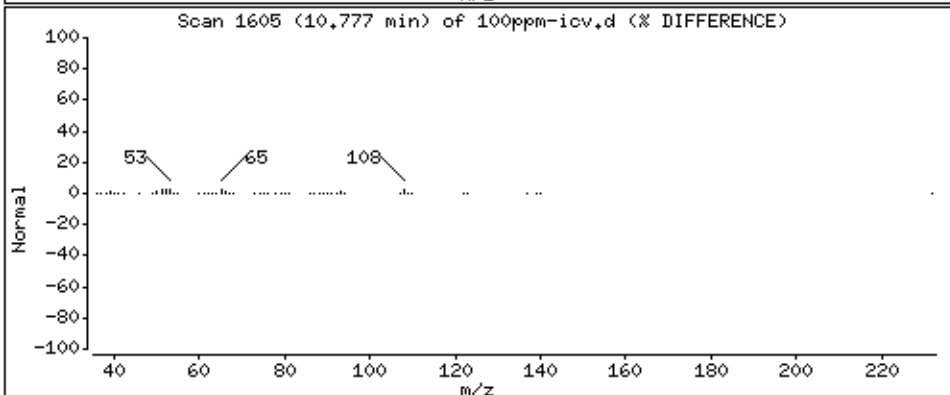
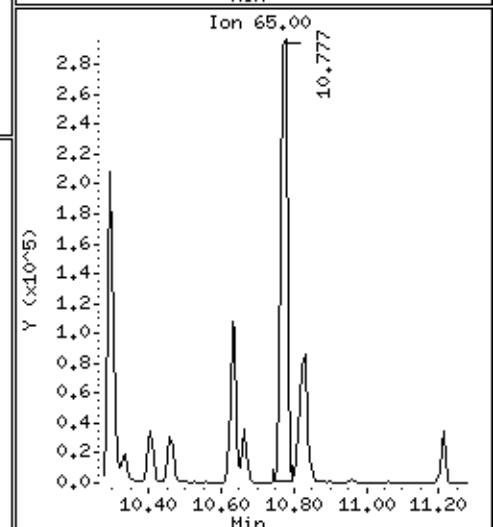
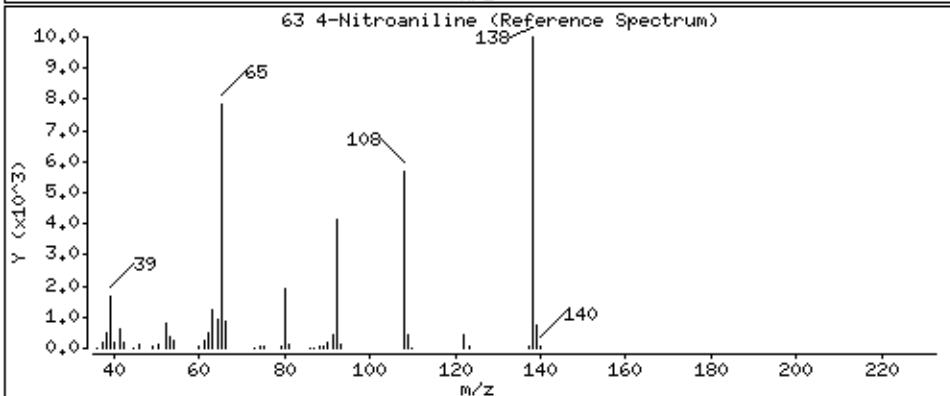
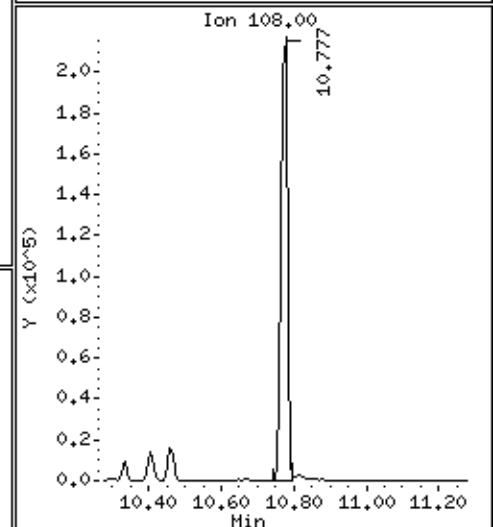
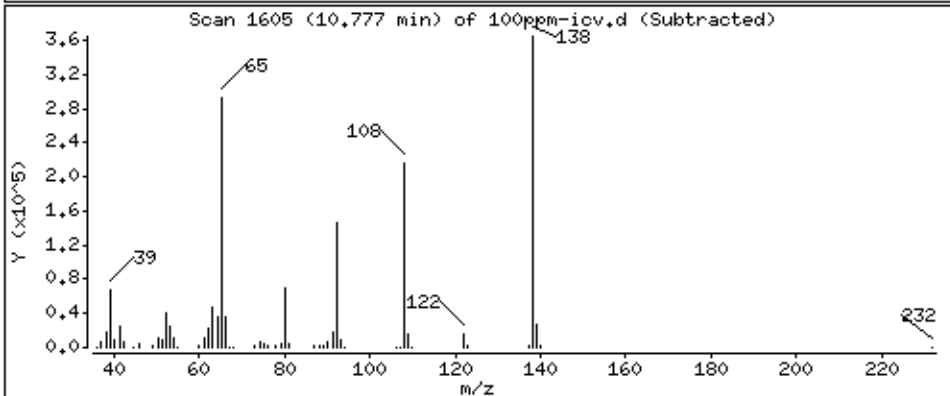
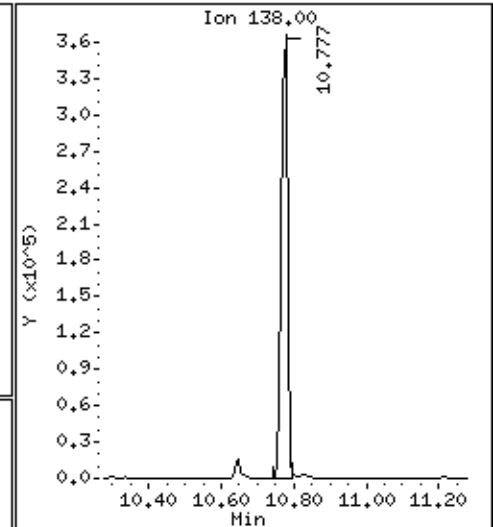
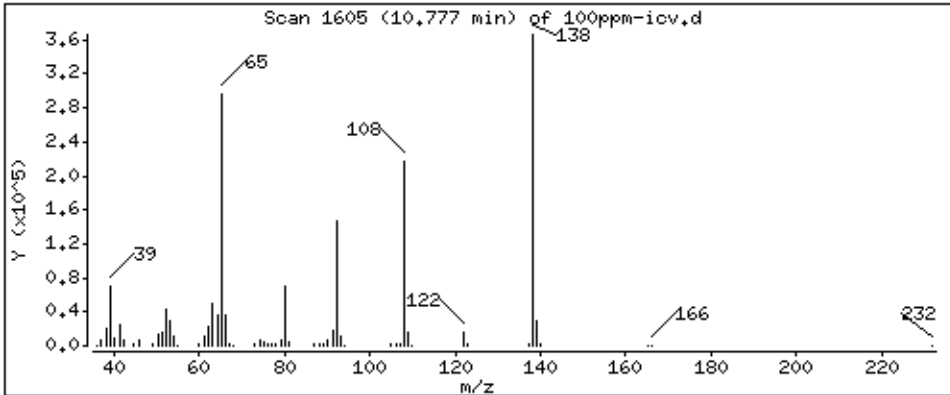
Operator: CEM

Column phase: .50um DB-5ms

Column diameter: 0,25

63 4-Nitroaniline

Concentration: 110.3 ug/L



Date : 09-JUN-2014 16:19

Client ID:

Instrument: 50MSS2.i

Sample Info: ICV,70293:1

Volume Injected (uL): 1.0

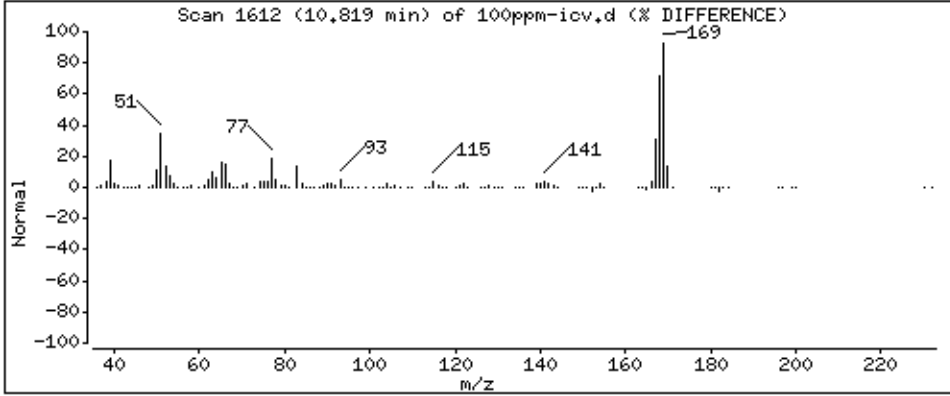
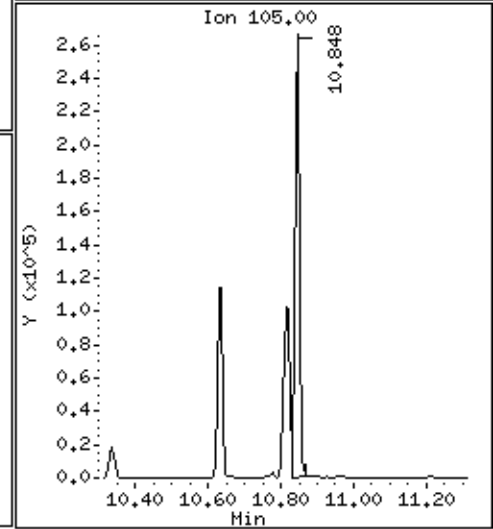
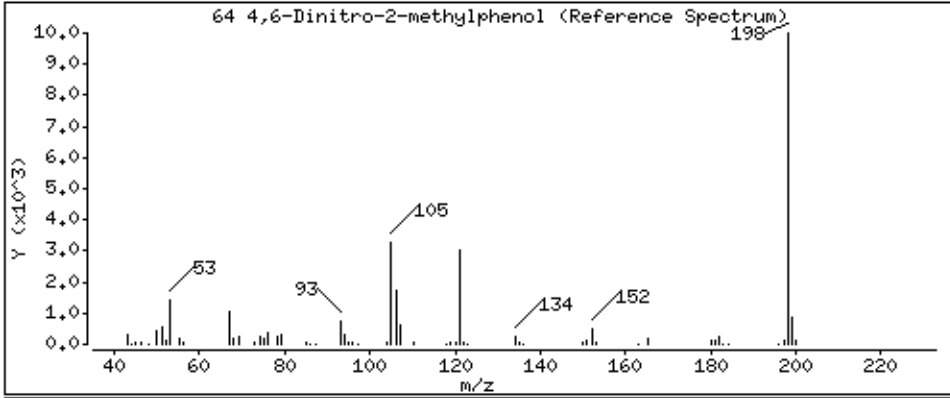
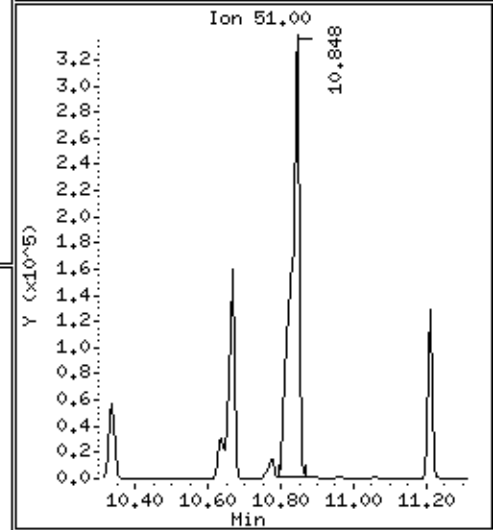
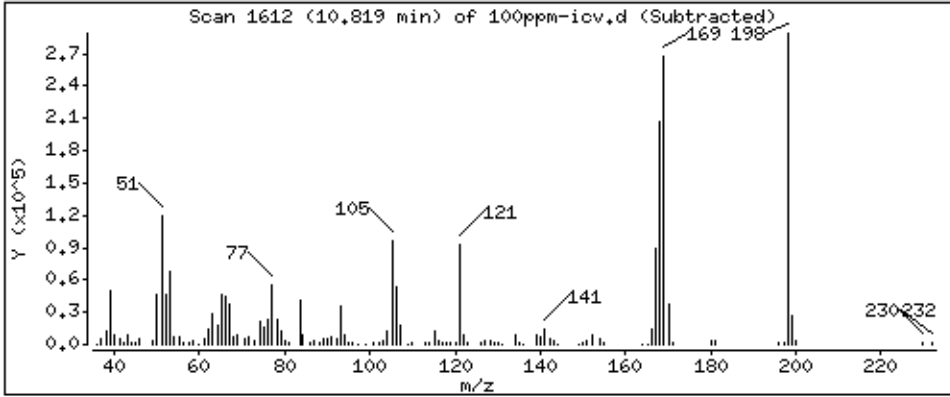
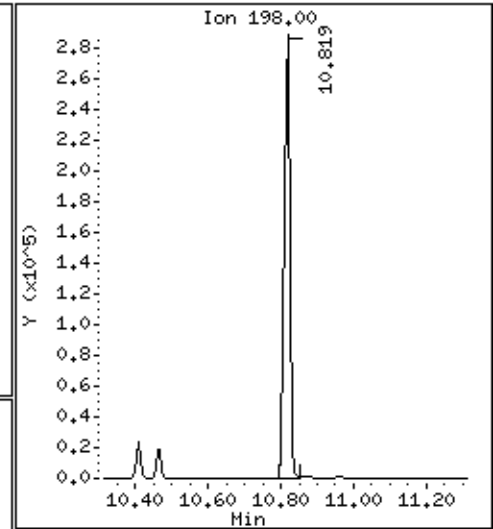
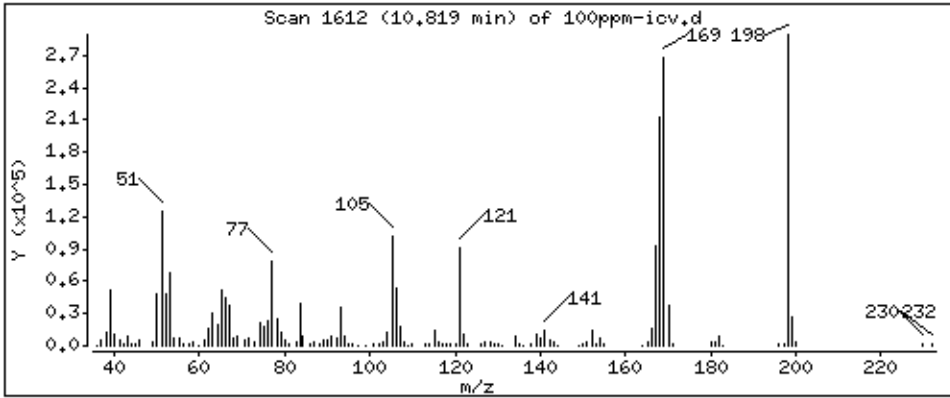
Operator: CEM

Column phase: .50um DB-5ms

Column diameter: 0,25

64 4,6-Dinitro-2-methylphenol

Concentration: 107.9 ug/L



Date : 09-JUN-2014 16:19

Client ID:

Instrument: 50MSS2.i

Sample Info: ICV,70293:1

Volume Injected (uL): 1.0

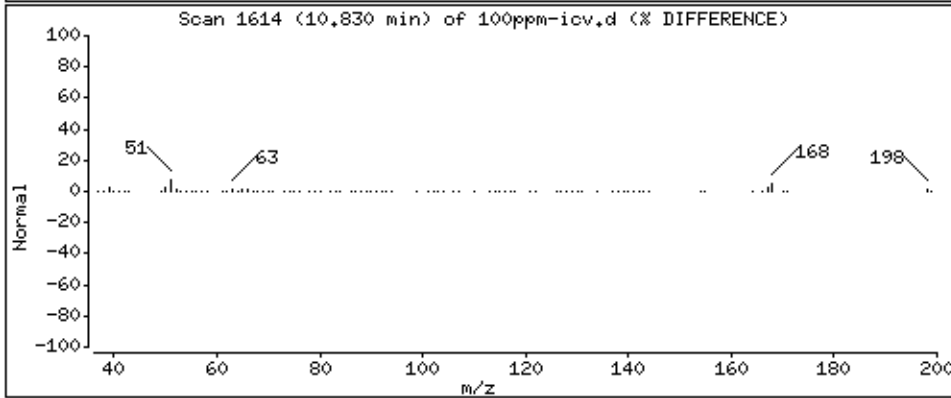
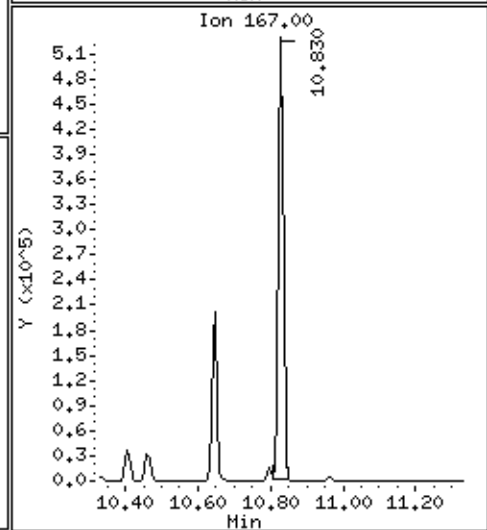
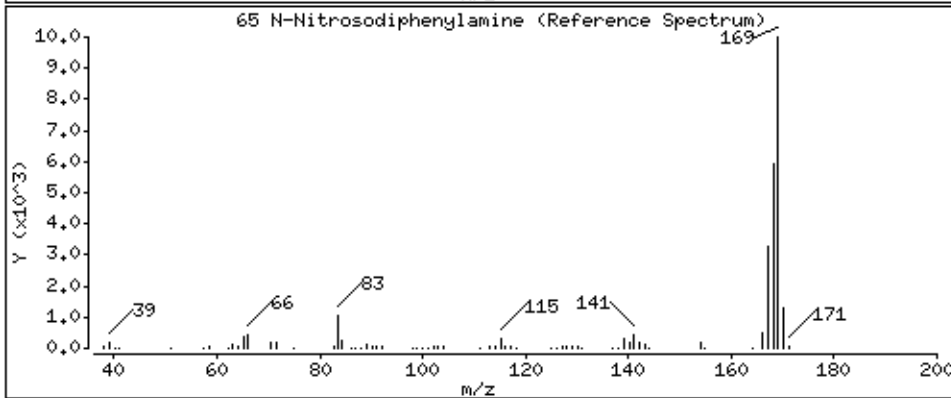
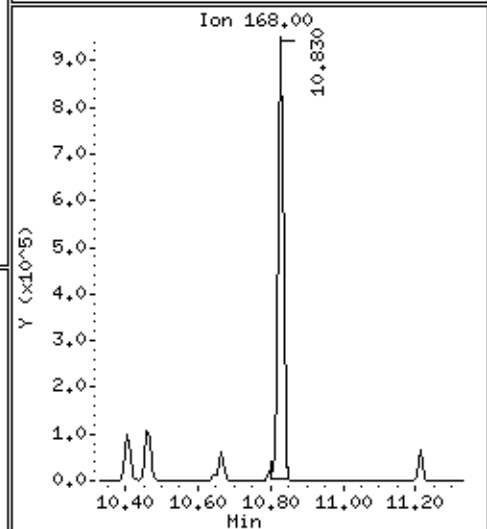
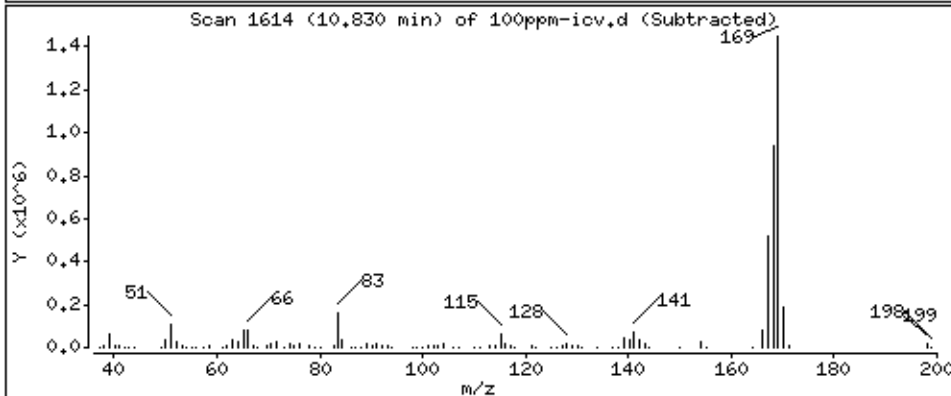
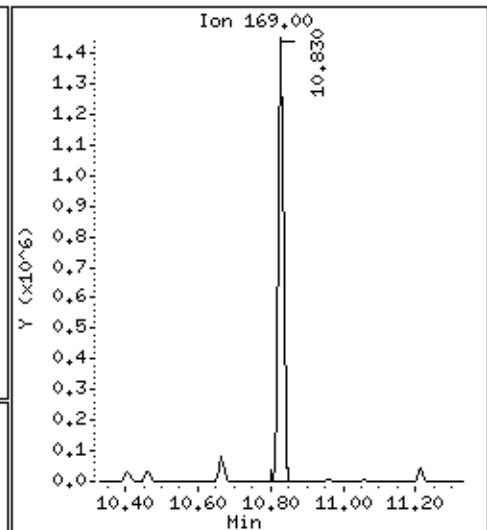
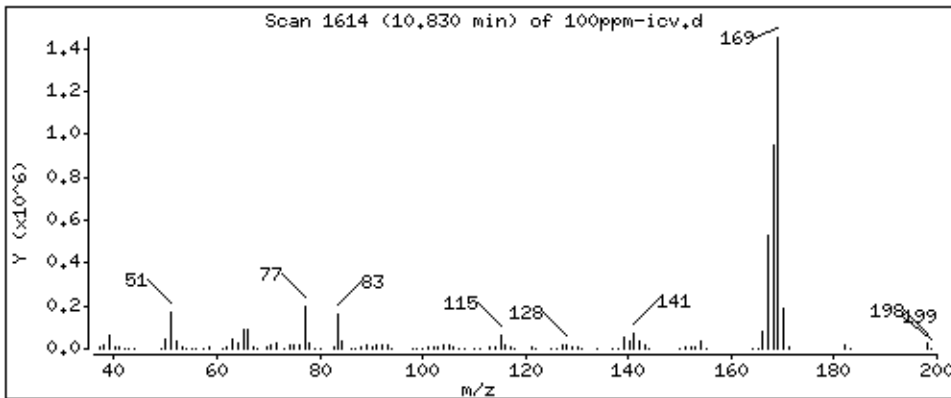
Operator: CEM

Column phase: .50um DB-5ms

Column diameter: 0,25

65 N-Nitrosodiphenylamine

Concentration: 119.0 ug/L



Date : 09-JUN-2014 16:19

Client ID:

Instrument: 50MSS2.i

Sample Info: ICV,70293:1

Volume Injected (uL): 1.0

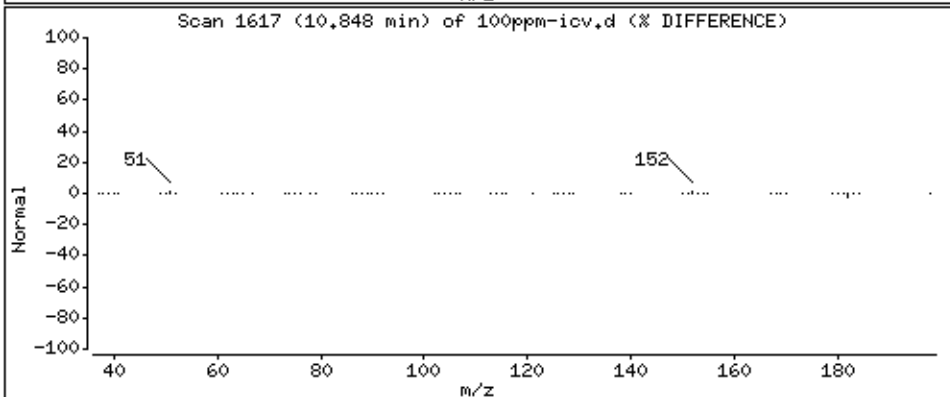
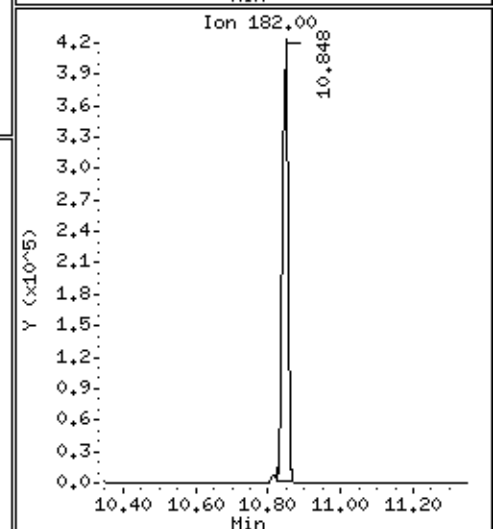
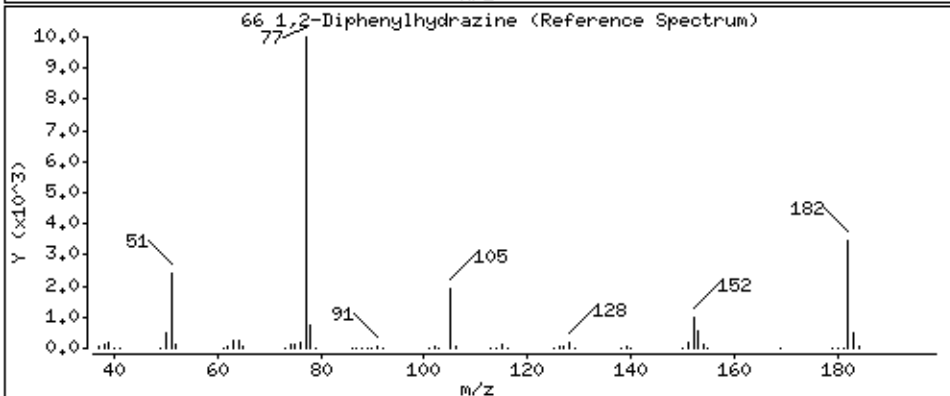
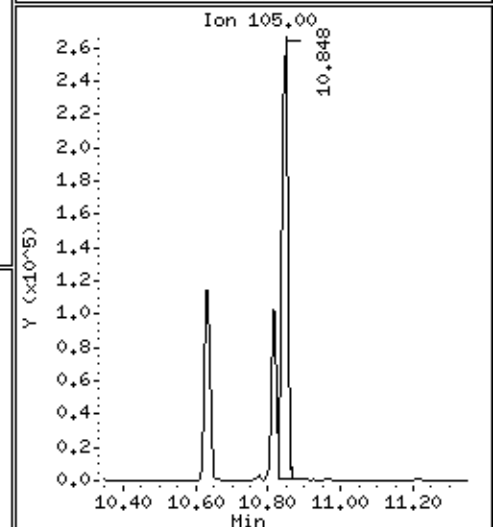
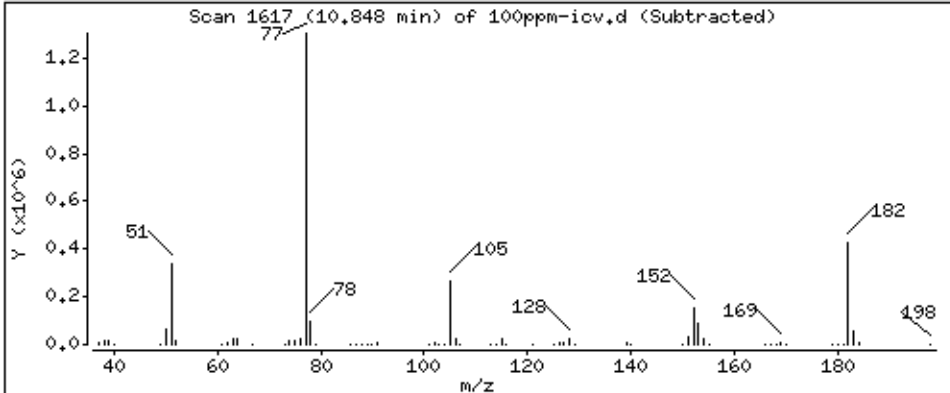
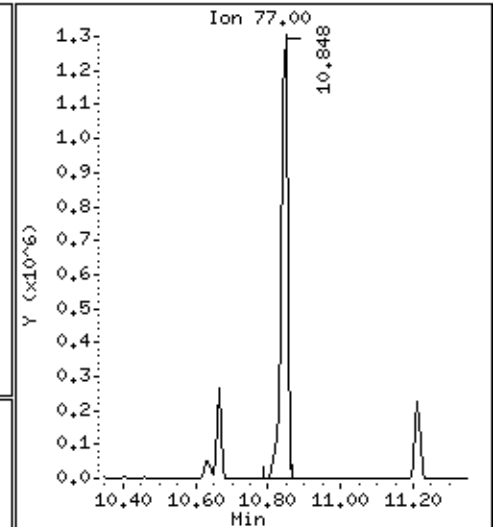
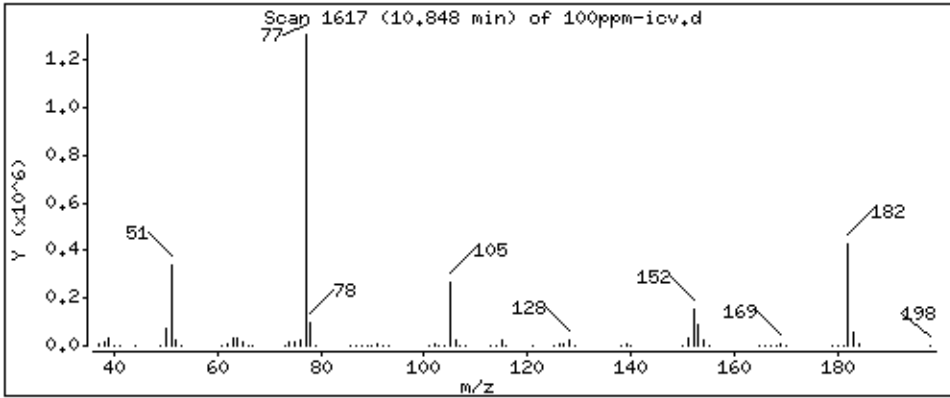
Operator: CEM

Column phase: .50um DB-5ms

Column diameter: 0,25

66 1,2-Diphenylhydrazine

Concentration: 103,2 ug/L



Date : 09-JUN-2014 16:19

Client ID:

Instrument: 50MSS2.i

Sample Info: ICV,70293:1

Volume Injected (uL): 1.0

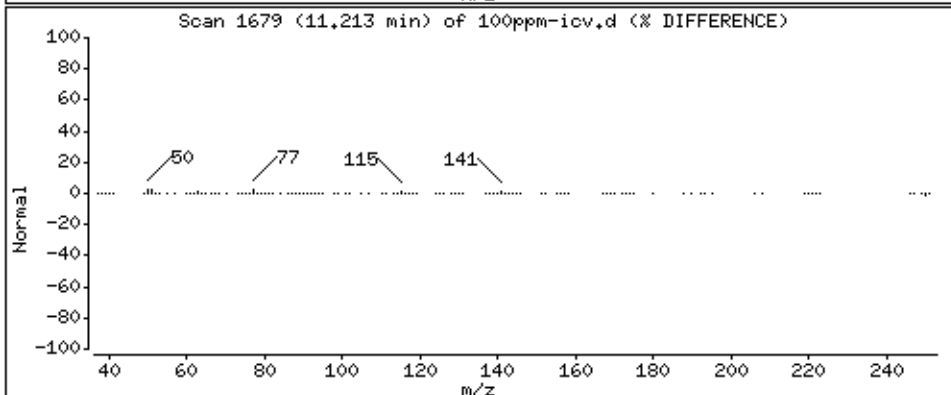
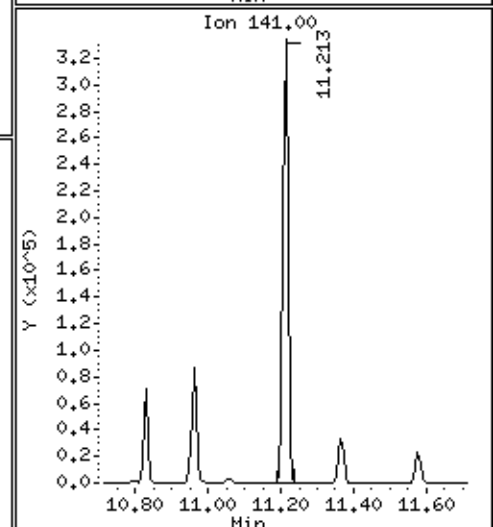
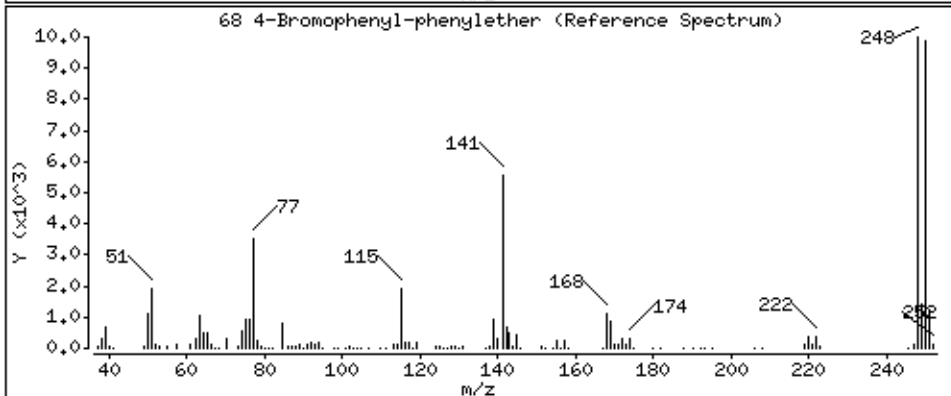
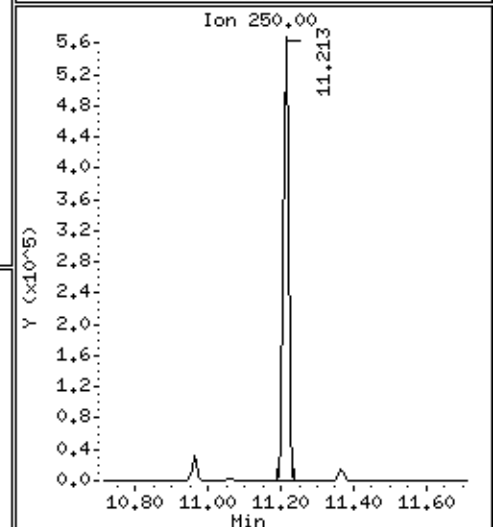
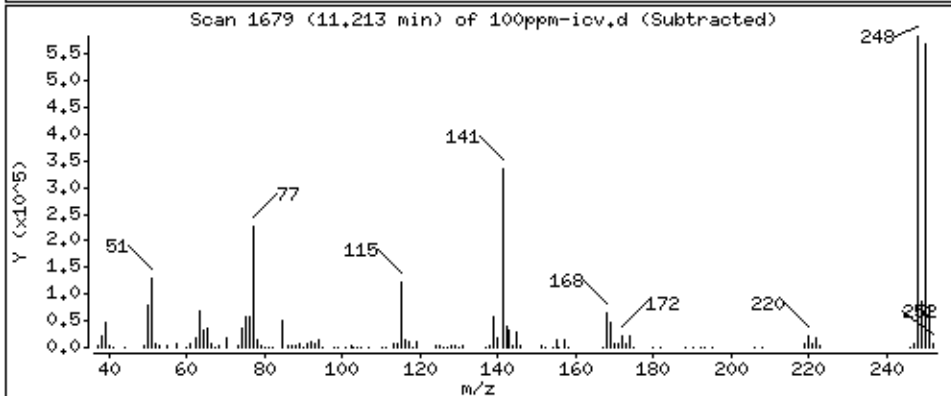
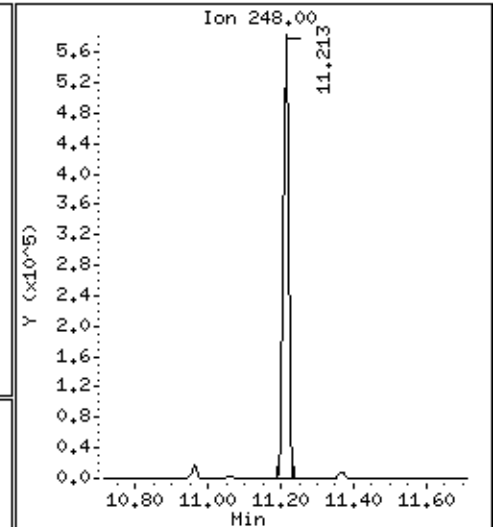
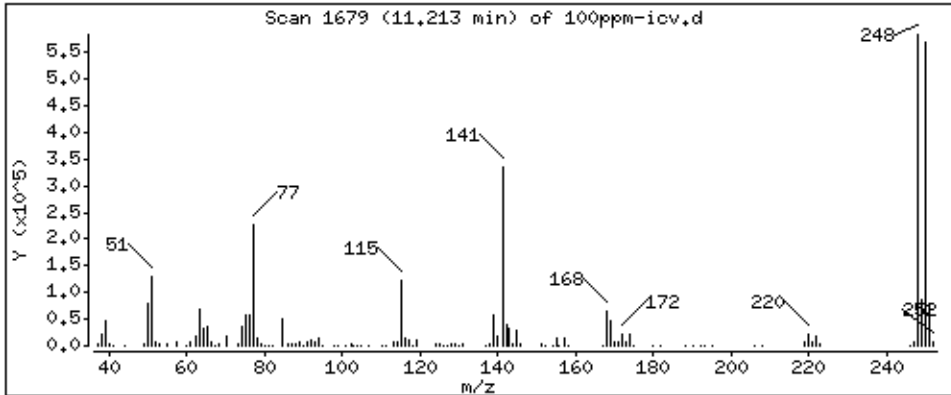
Operator: CEM

Column phase: .50um DB-5ms

Column diameter: 0,25

68 4-Bromophenyl-phenylether

Concentration: 105,3 ug/L



Date : 09-JUN-2014 16:19

Client ID:

Instrument: 50MSS2.i

Sample Info: ICV,70293:1

Volume Injected (uL): 1.0

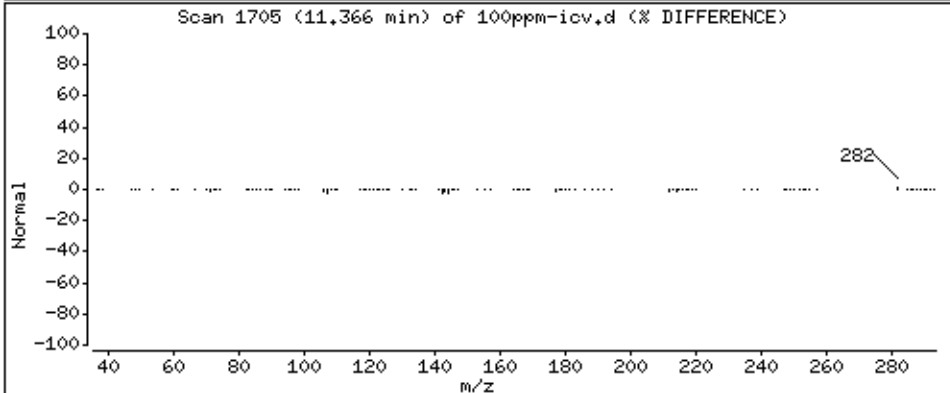
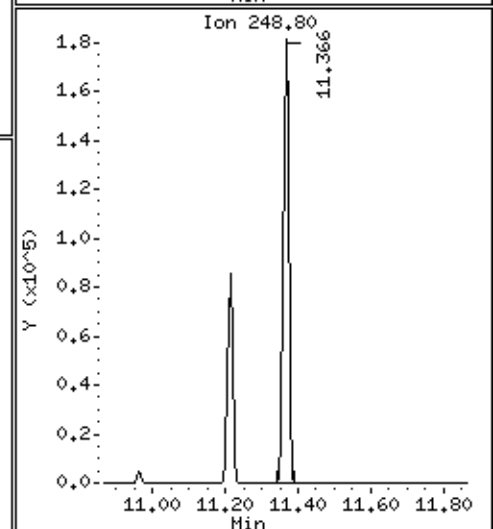
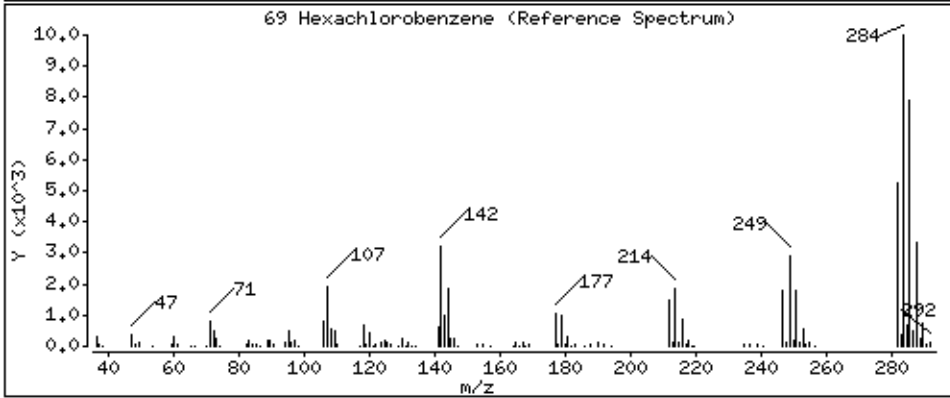
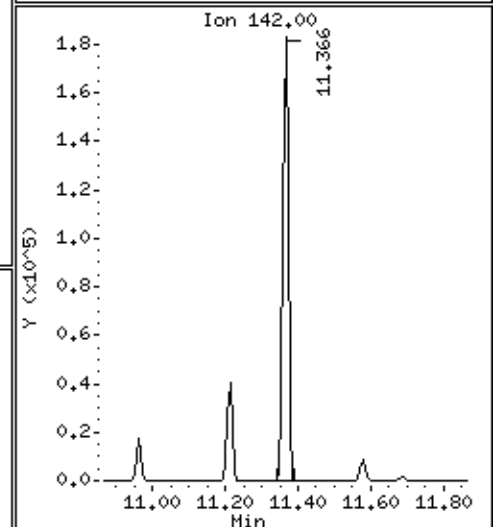
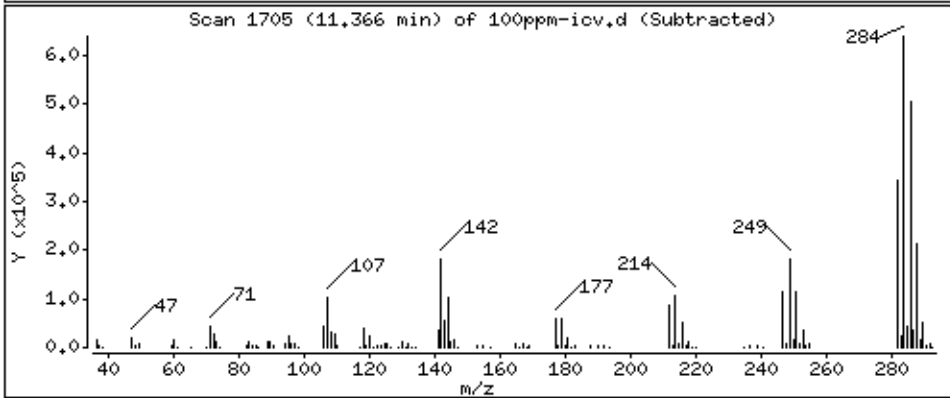
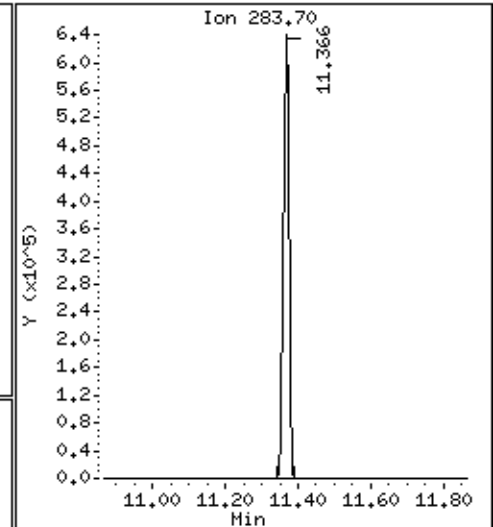
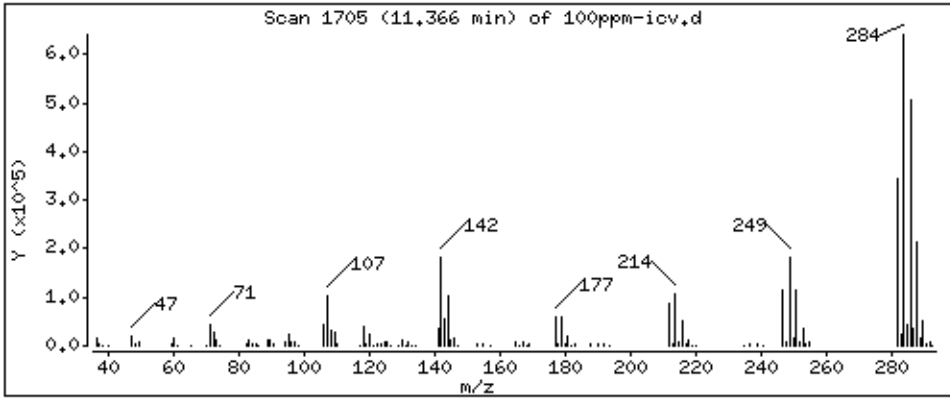
Operator: CEM

Column phase: .50um DB-5ms

Column diameter: 0,25

69 Hexachlorobenzene

Concentration: 104.7 ug/L



Date : 09-JUN-2014 16:19

Client ID:

Instrument: 50MSS2.i

Sample Info: ICV,70293:1

Volume Injected (uL): 1.0

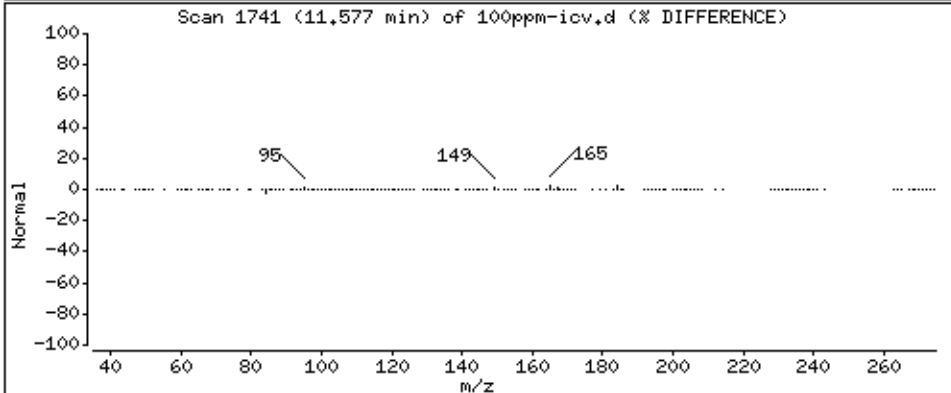
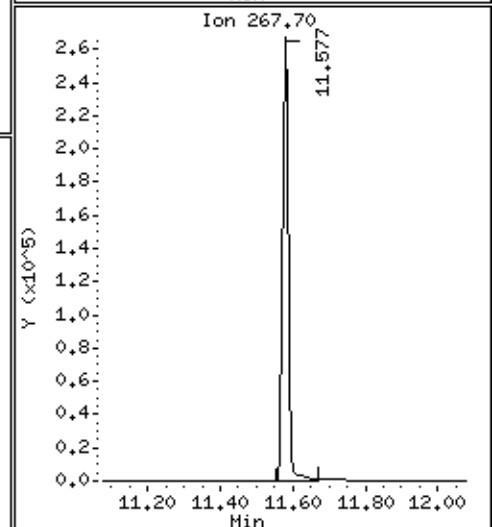
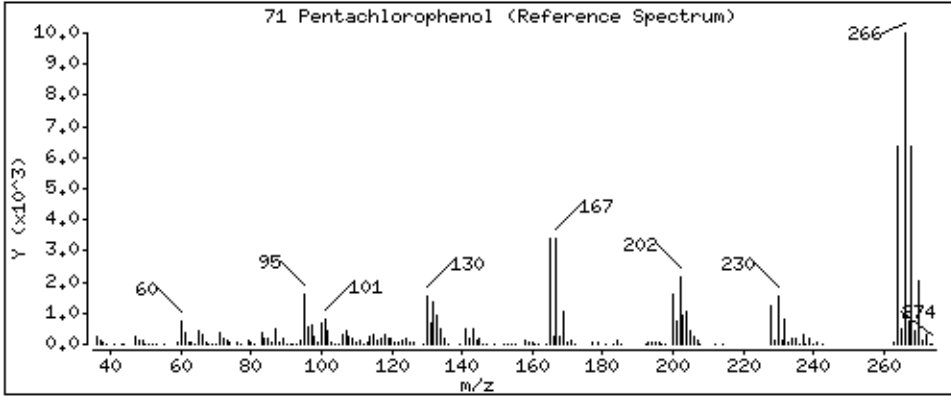
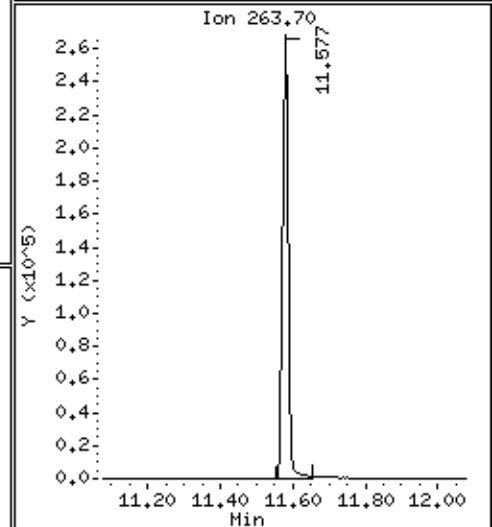
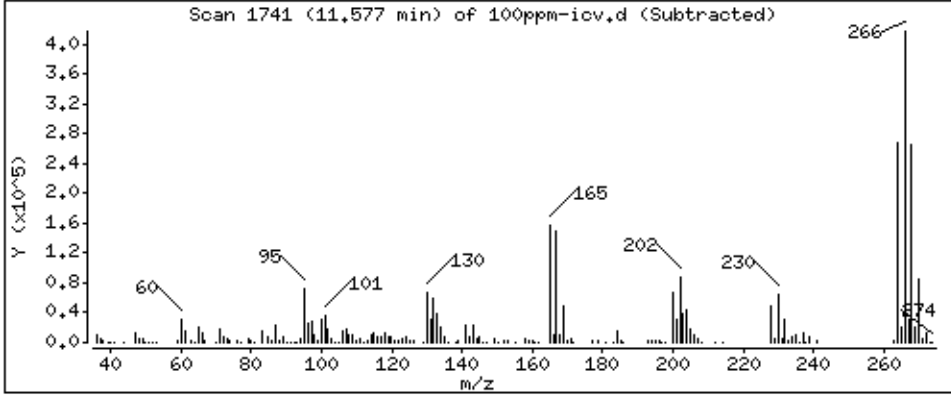
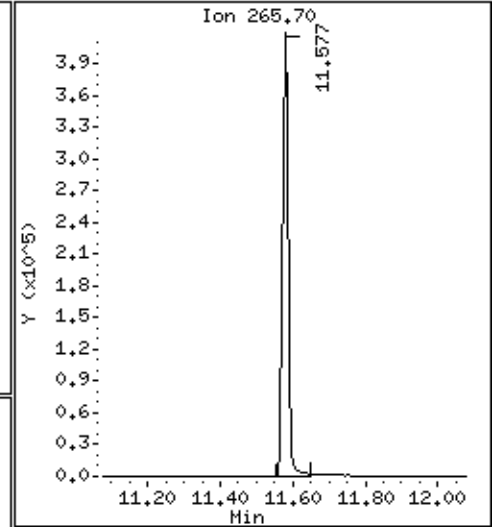
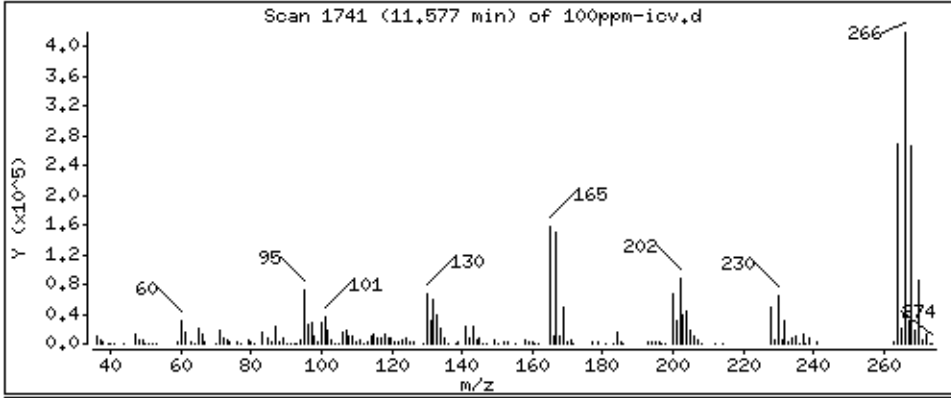
Operator: CEM

Column phase: .50um DB-5ms

Column diameter: 0,25

71 Pentachlorophenol

Concentration: 118,0 ug/L



Date : 09-JUN-2014 16:19

Client ID:

Instrument: 50MSS2.i

Sample Info: ICV,70293:1

Volume Injected (uL): 1.0

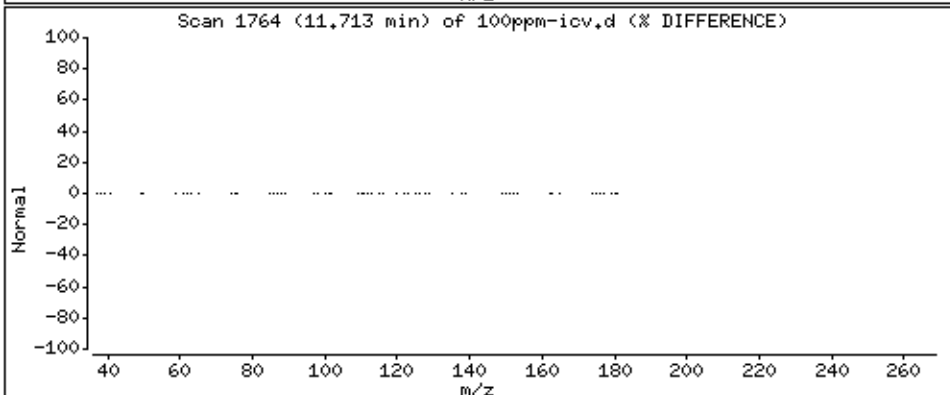
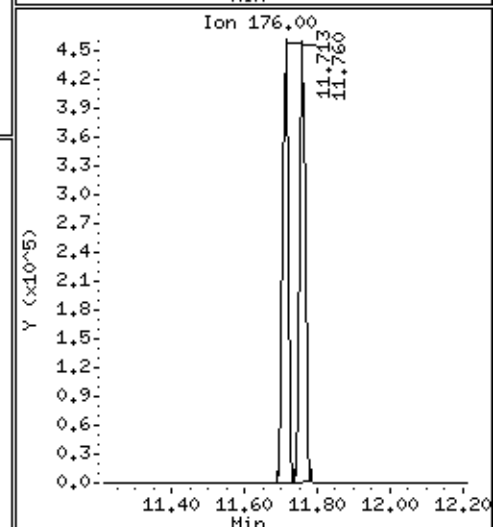
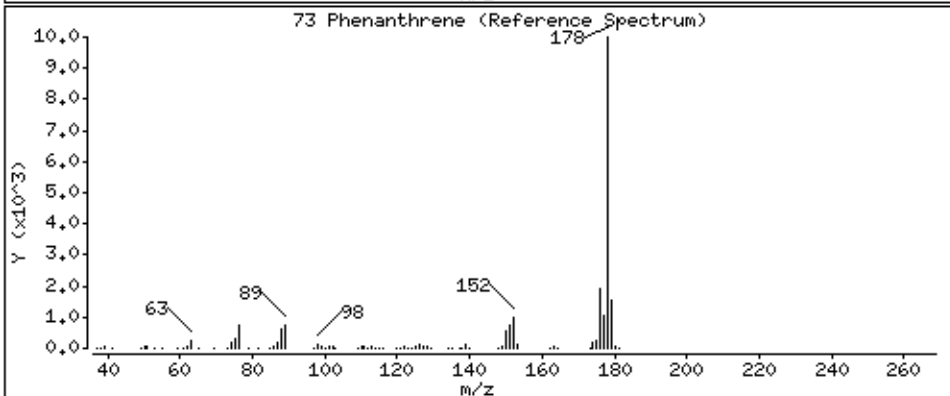
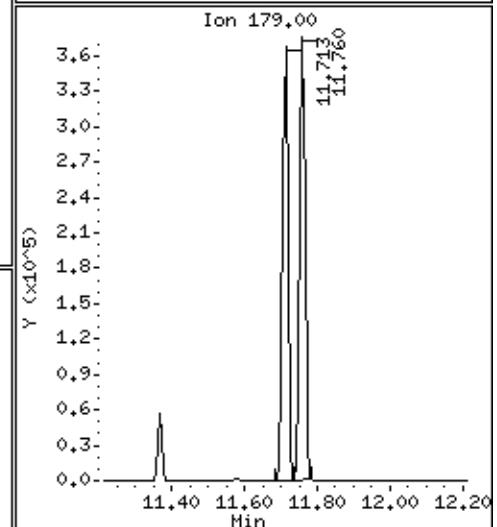
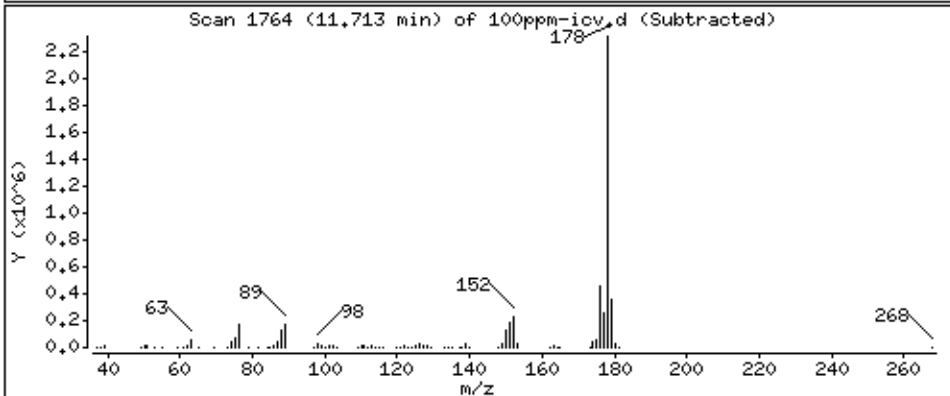
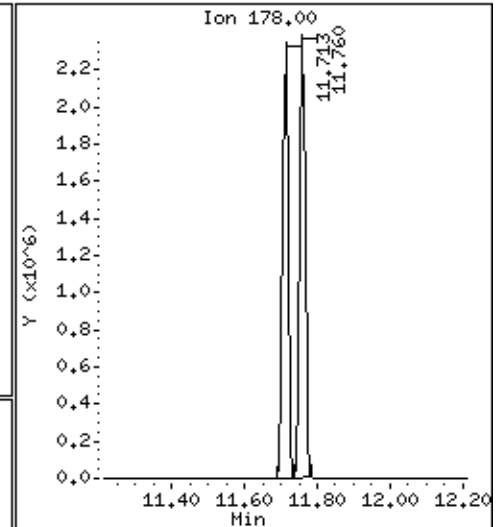
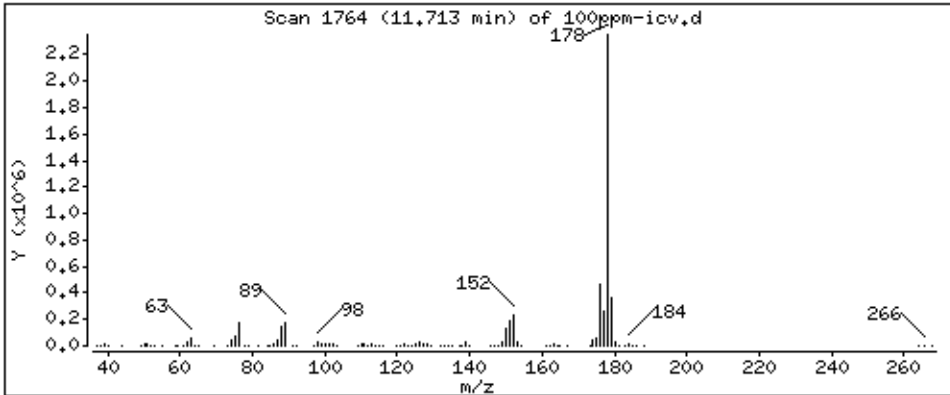
Operator: CEM

Column phase: .50um DB-5ms

Column diameter: 0,25

73 Phenanthrene

Concentration: 98,88 ug/L



Date : 09-JUN-2014 16:19

Client ID:

Instrument: 50MSS2.i

Sample Info: ICV,70293:1

Volume Injected (uL): 1.0

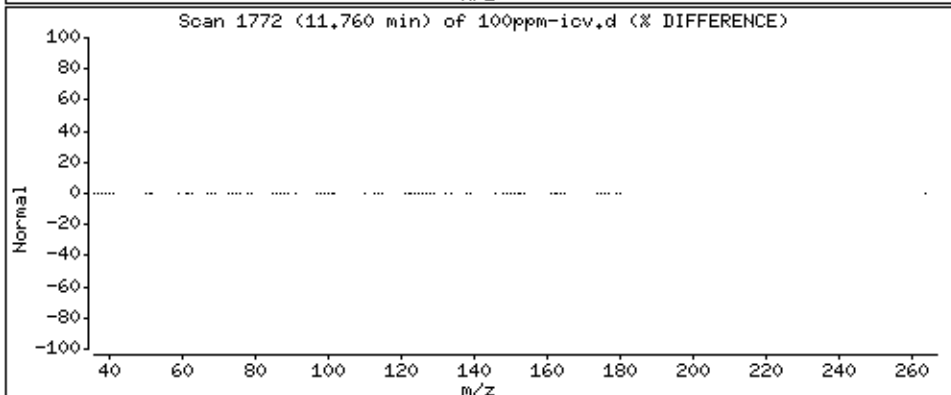
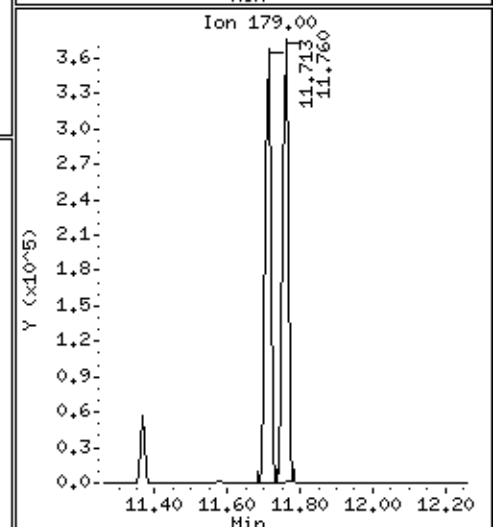
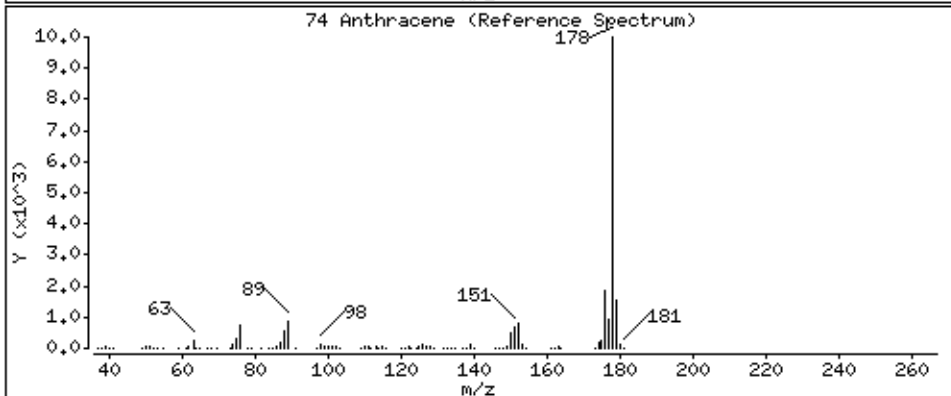
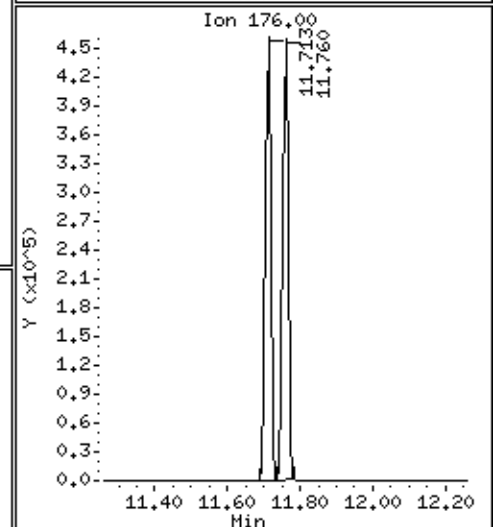
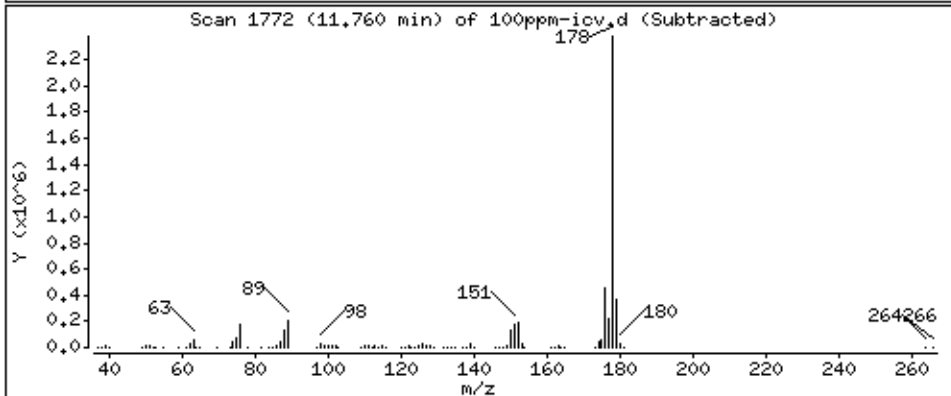
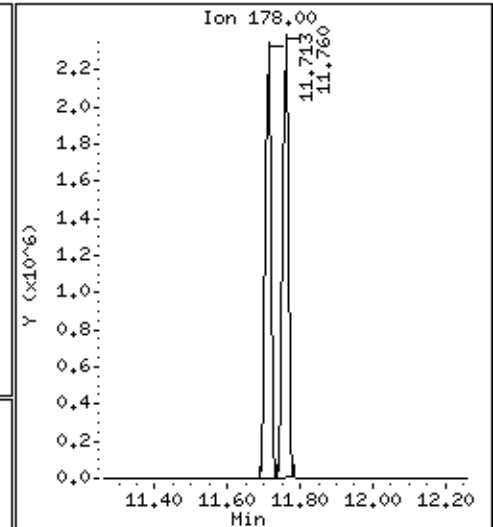
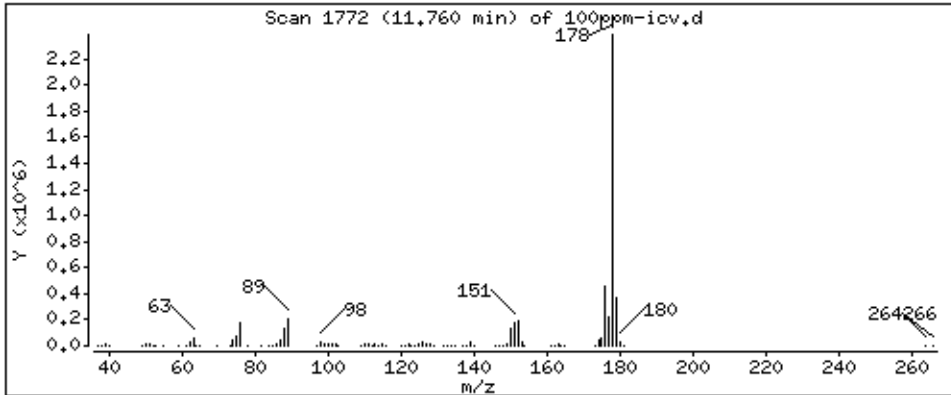
Operator: CEM

Column phase: .50um DB-5ms

Column diameter: 0,25

74 Anthracene

Concentration: 101.6 ug/L



Date : 09-JUN-2014 16:19

Client ID:

Instrument: 50MSS2.i

Sample Info: ICV,70293:1

Volume Injected (uL): 1.0

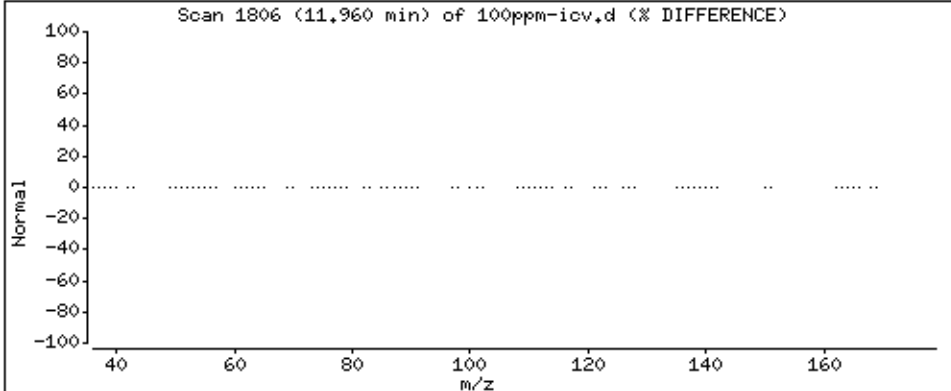
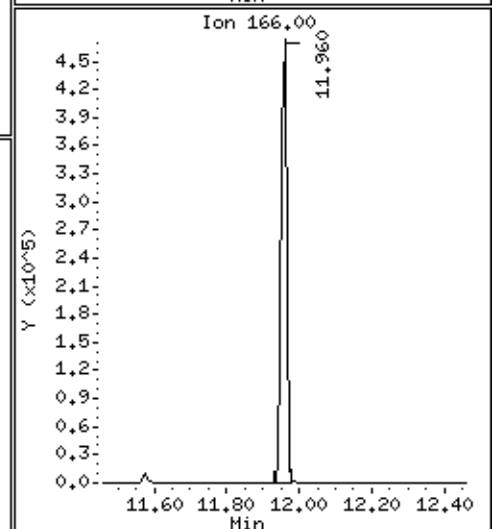
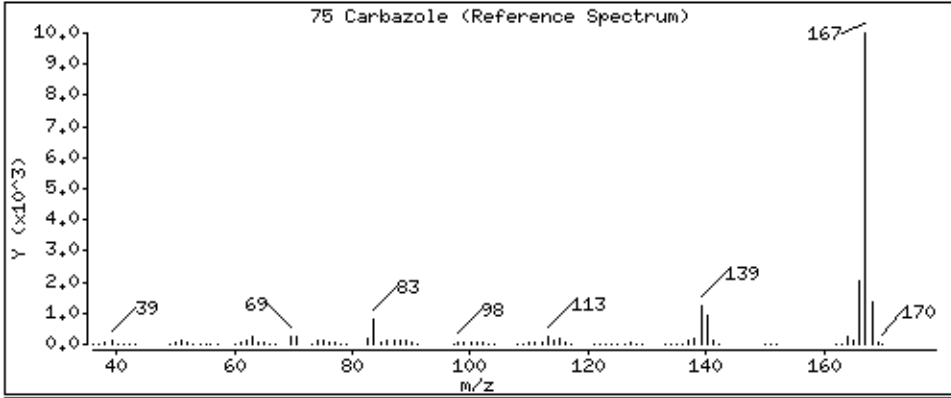
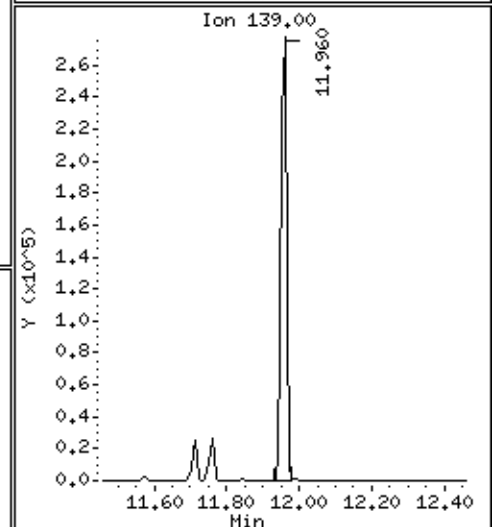
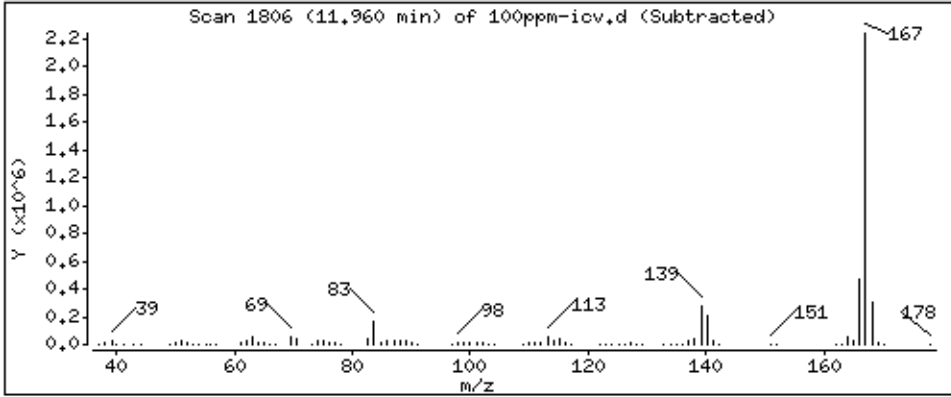
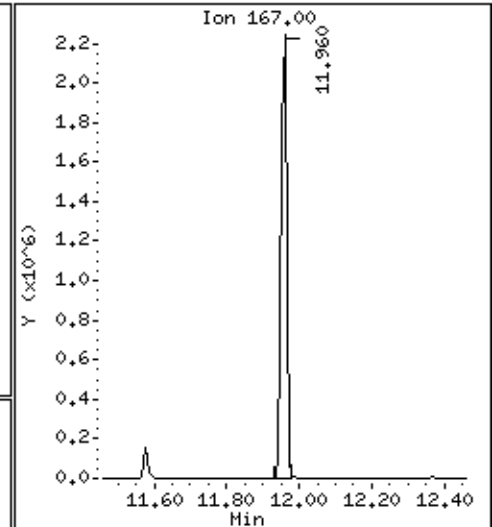
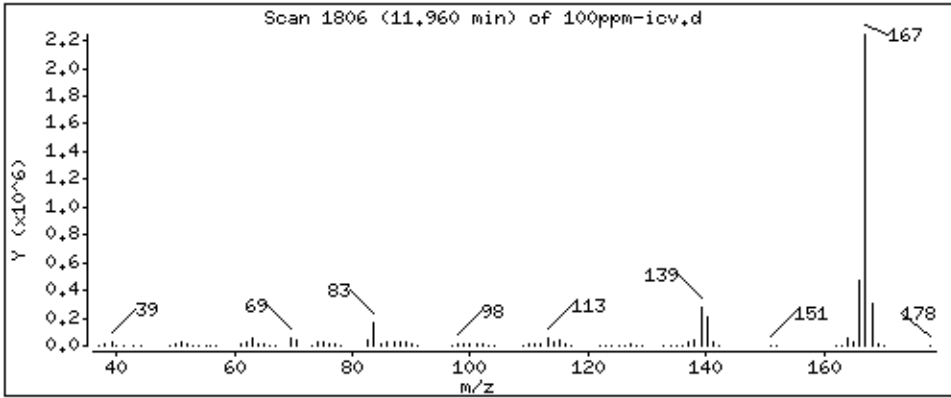
Operator: CEM

Column phase: .50um DB-5ms

Column diameter: 0,25

75 Carbazole

Concentration: 100.4 ug/L



Date : 09-JUN-2014 16:19

Client ID:

Instrument: 50MSS2.i

Sample Info: ICV,70293:1

Volume Injected (uL): 1.0

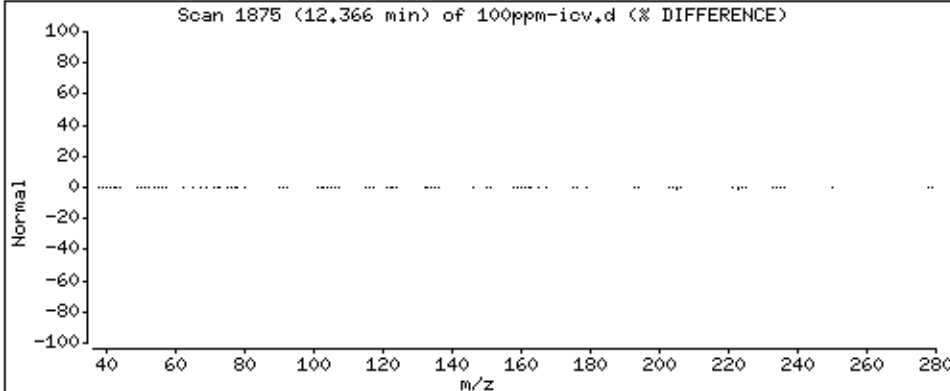
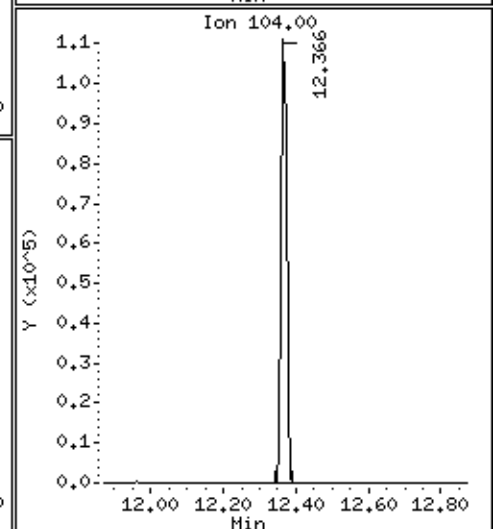
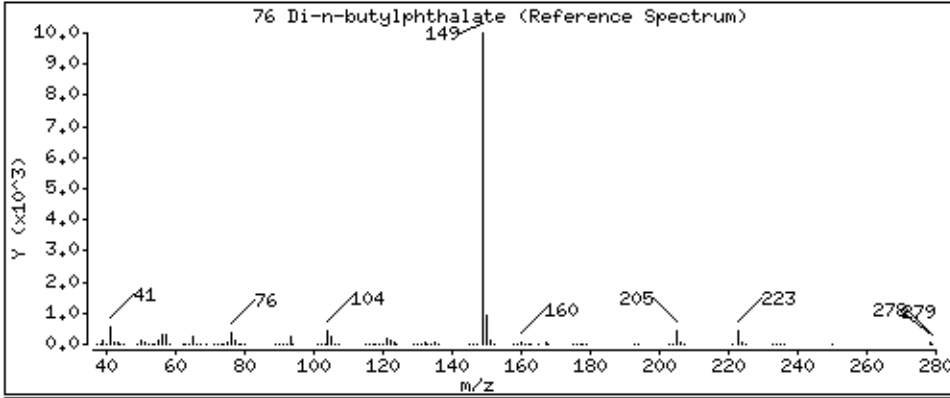
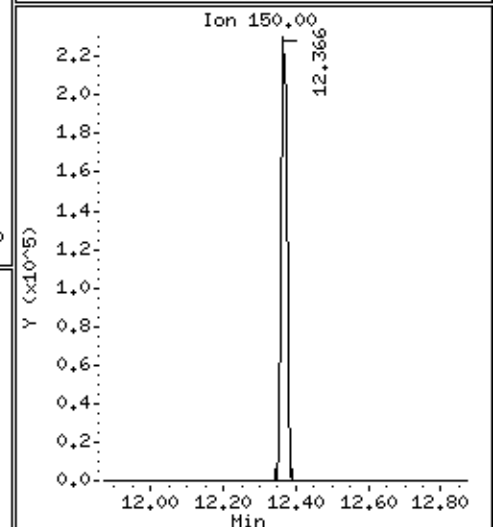
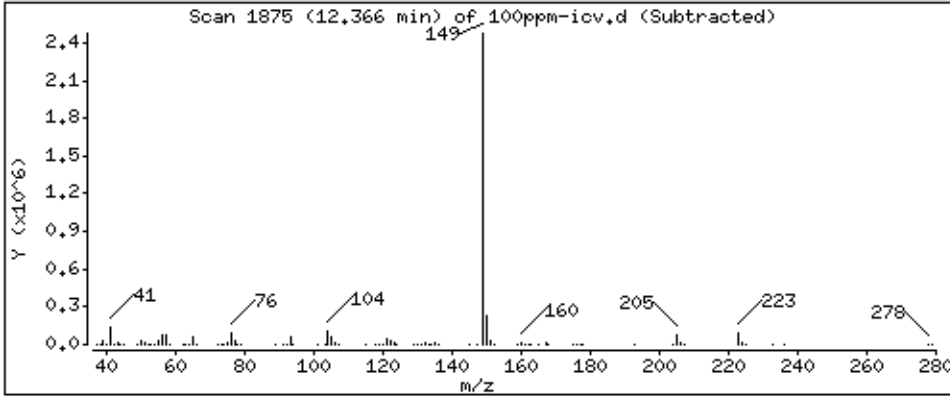
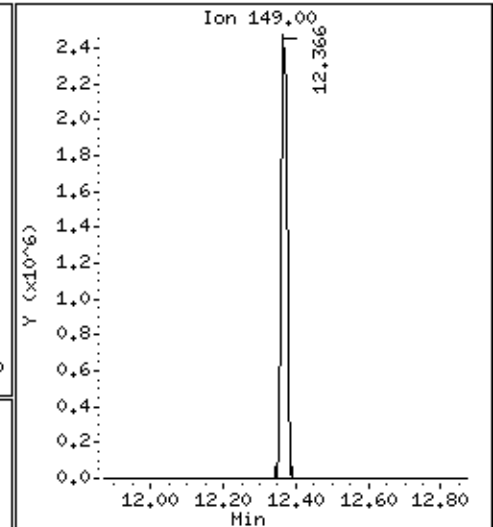
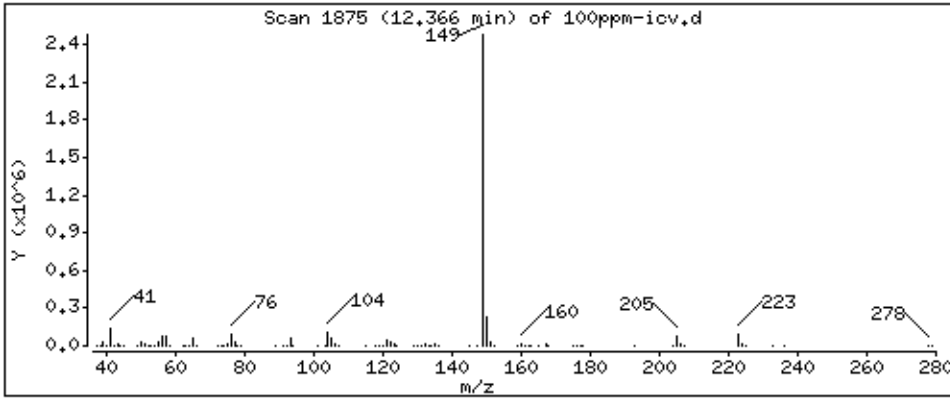
Operator: CEM

Column phase: .50um DB-5ms

Column diameter: 0,25

76 Di-n-butylphthalate

Concentration: 99,27 ug/L



Date : 09-JUN-2014 16:19

Client ID:

Instrument: 50MSS2.i

Sample Info: ICV,70293:1

Volume Injected (uL): 1.0

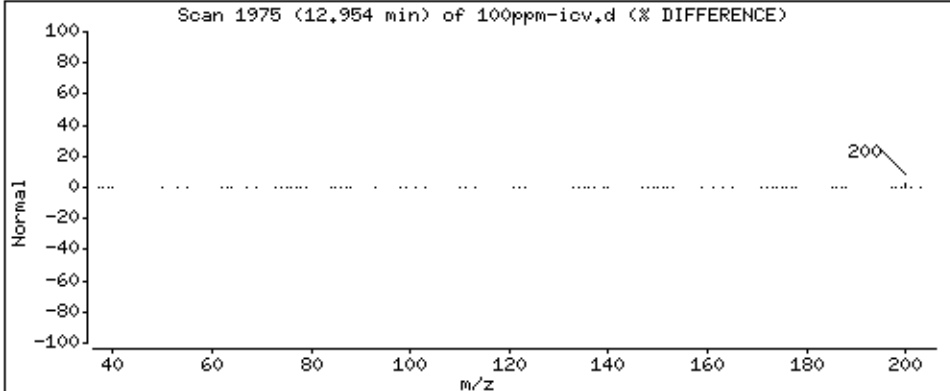
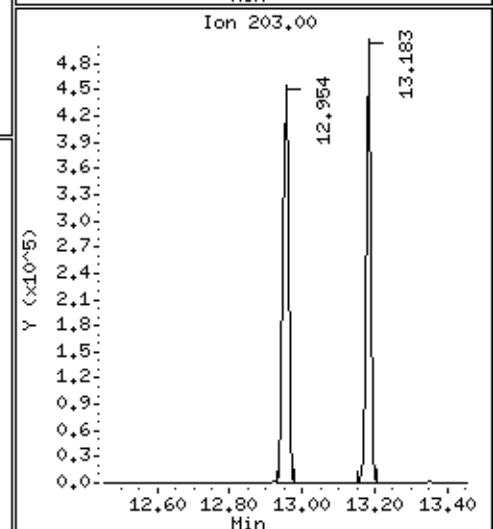
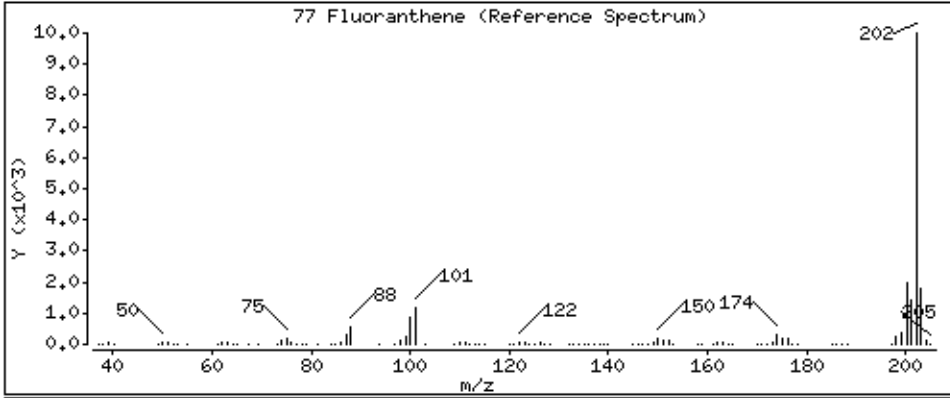
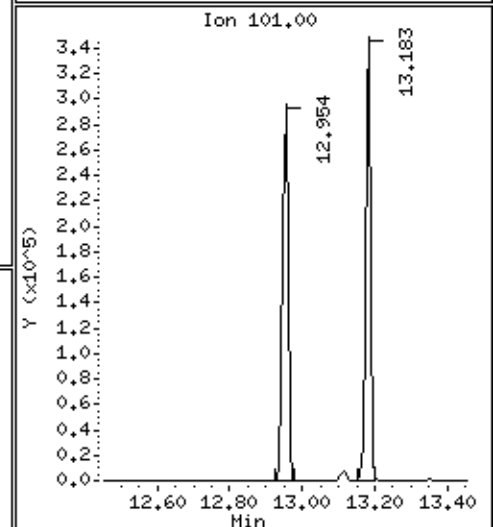
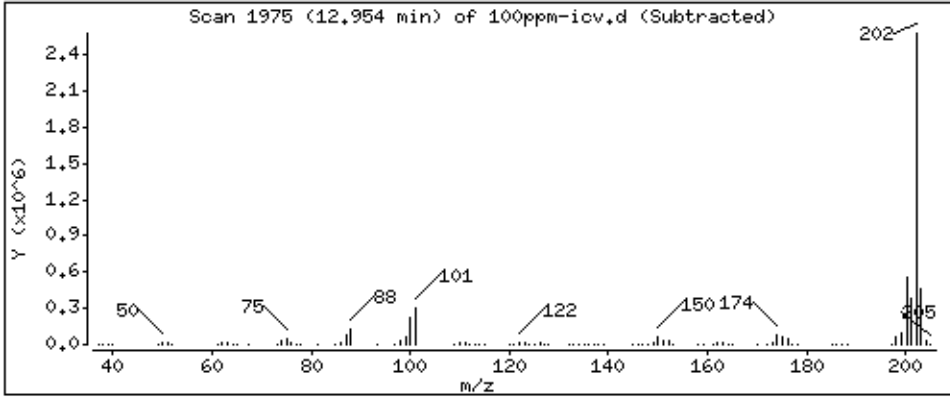
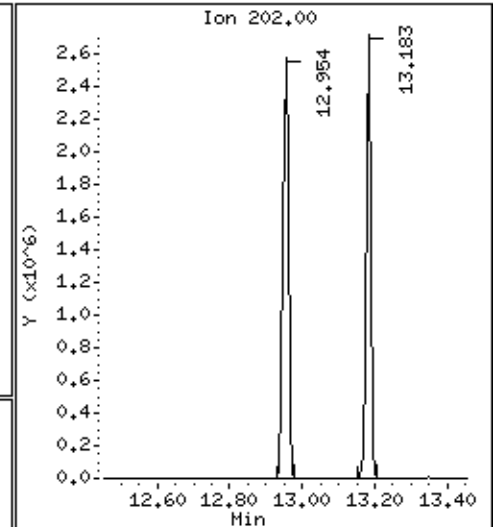
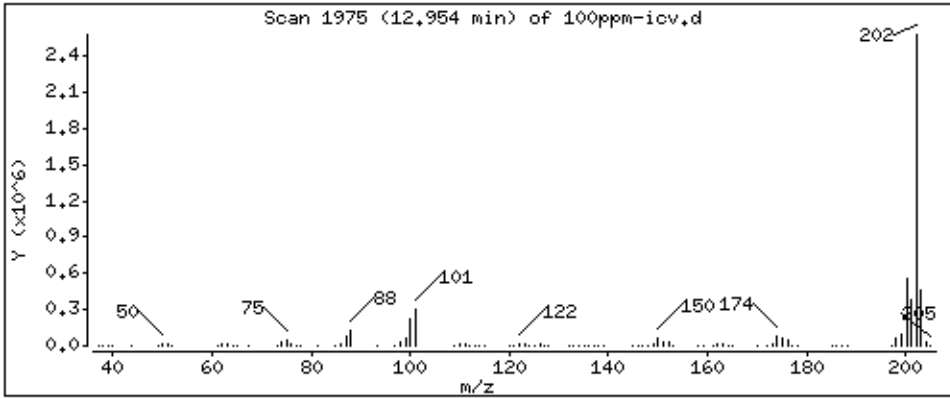
Operator: CEM

Column phase: .50um DB-5ms

Column diameter: 0,25

77 Fluoranthene

Concentration: 98,61 ug/L



Date : 09-JUN-2014 16:19

Client ID:

Instrument: 50MSS2.i

Sample Info: ICV,70293:1

Volume Injected (uL): 1.0

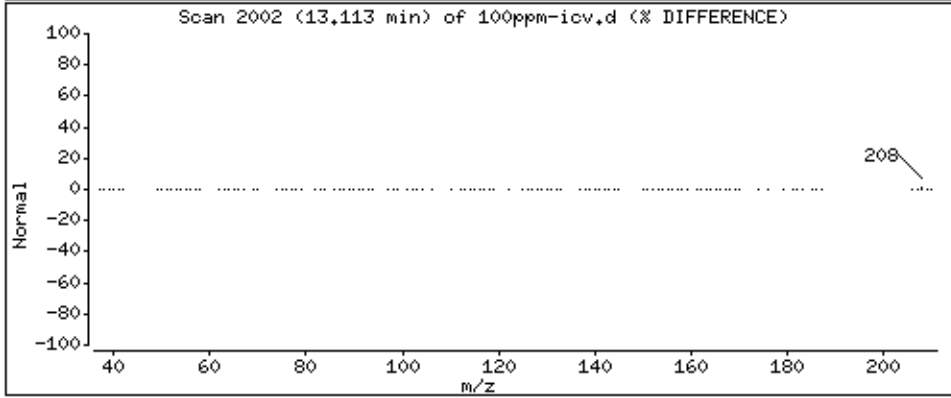
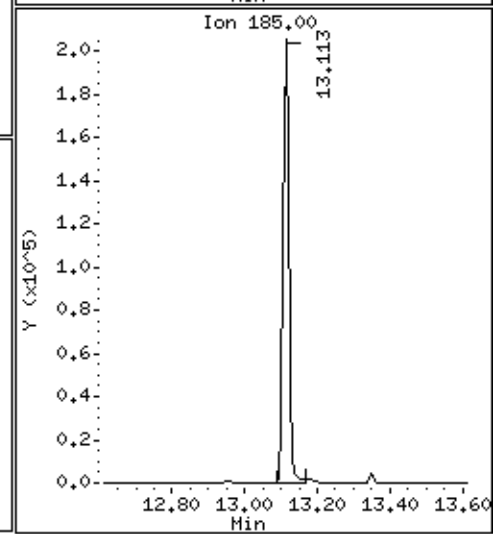
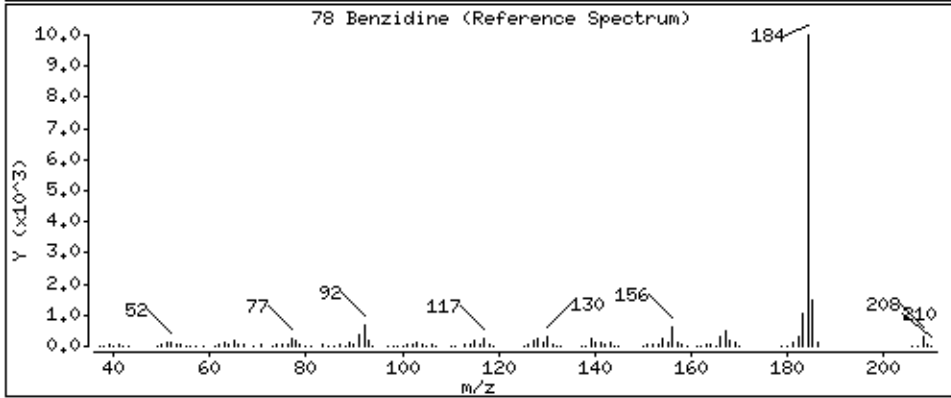
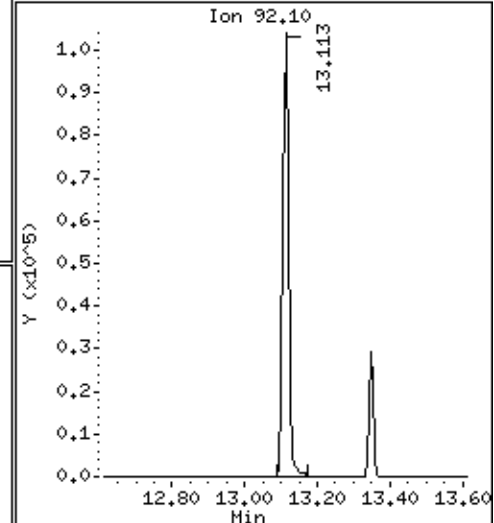
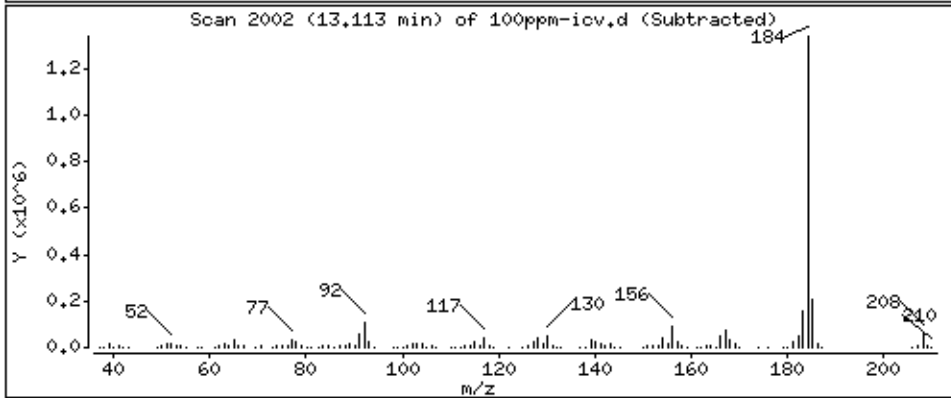
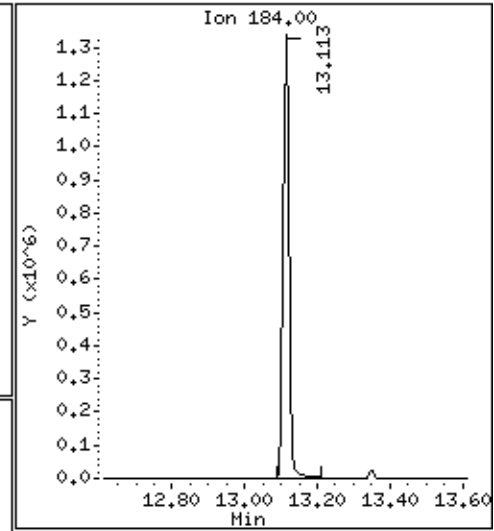
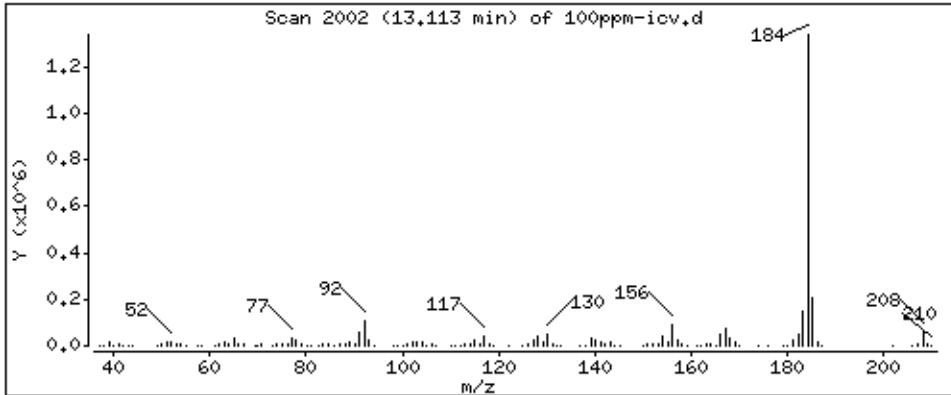
Operator: CEM

Column phase: .50um DB-5ms

Column diameter: 0,25

78 Benzidine

Concentration: 232,5 ug/L



Date : 09-JUN-2014 16:19

Client ID:

Instrument: 50MSS2.i

Sample Info: ICV,70293:1

Volume Injected (uL): 1.0

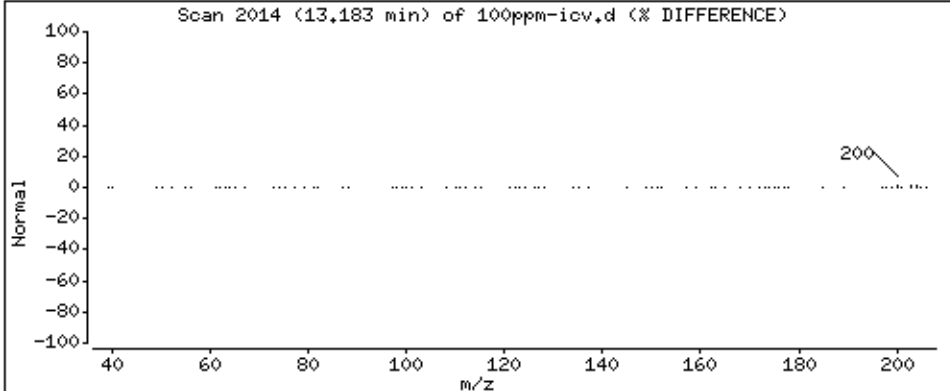
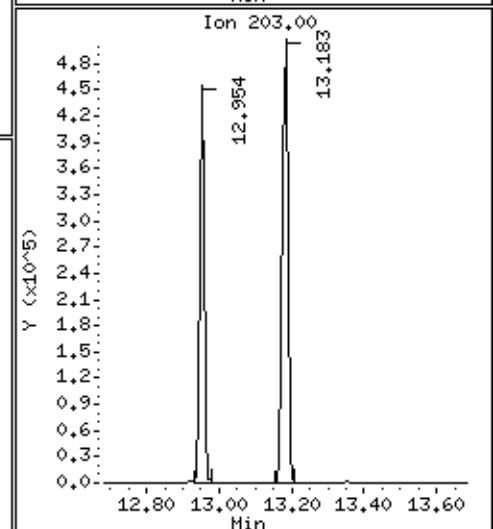
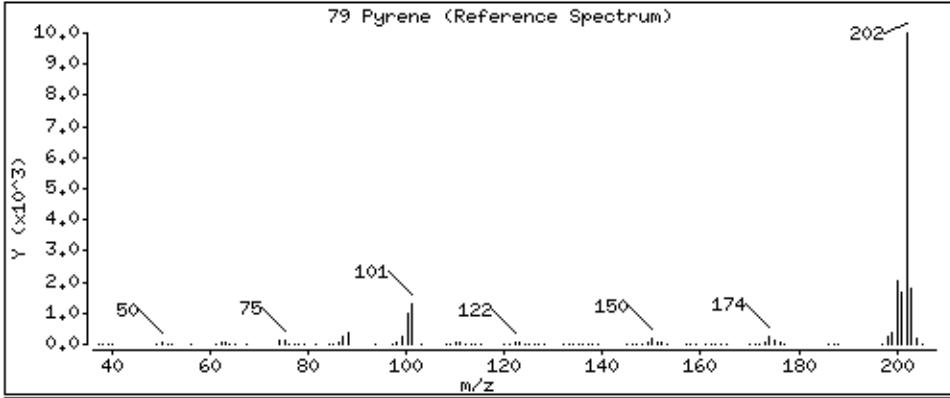
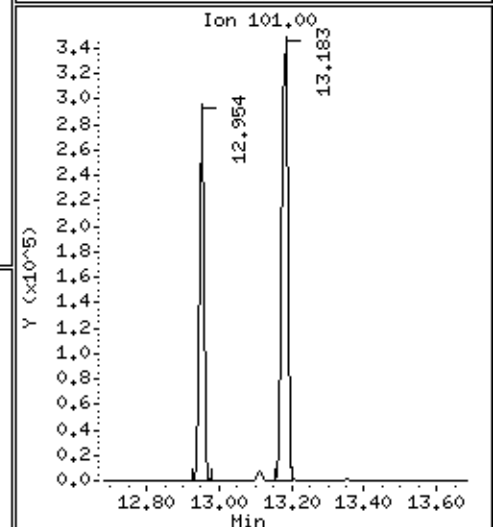
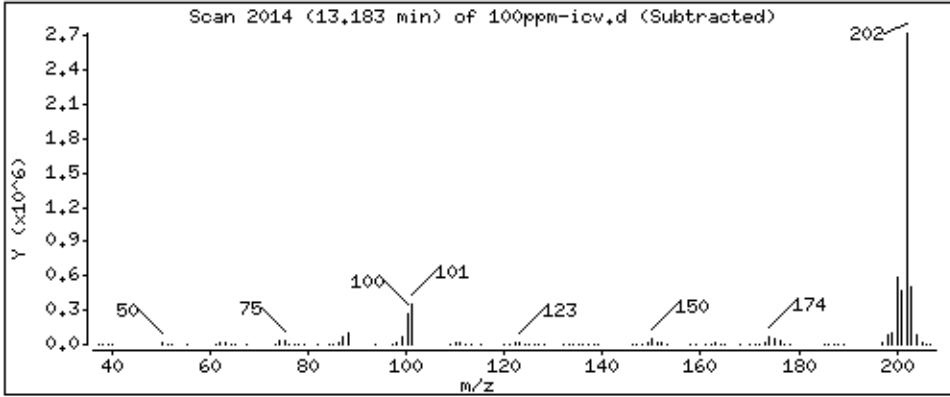
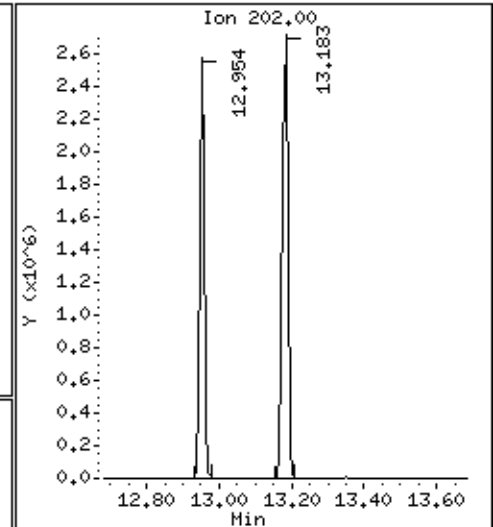
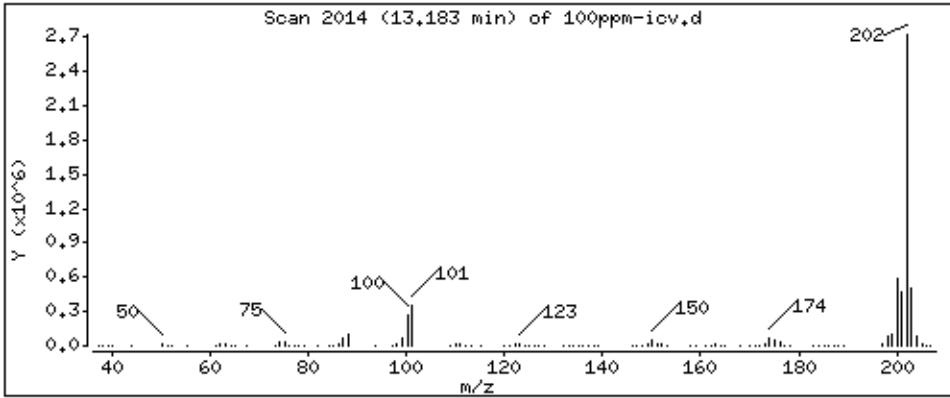
Operator: CEM

Column phase: .50um DB-5ms

Column diameter: 0,25

79 Pyrene

Concentration: 98,40 ug/L



Date : 09-JUN-2014 16:19

Client ID:

Instrument: 50MSS2.i

Sample Info: ICV,70293:1

Volume Injected (uL): 1.0

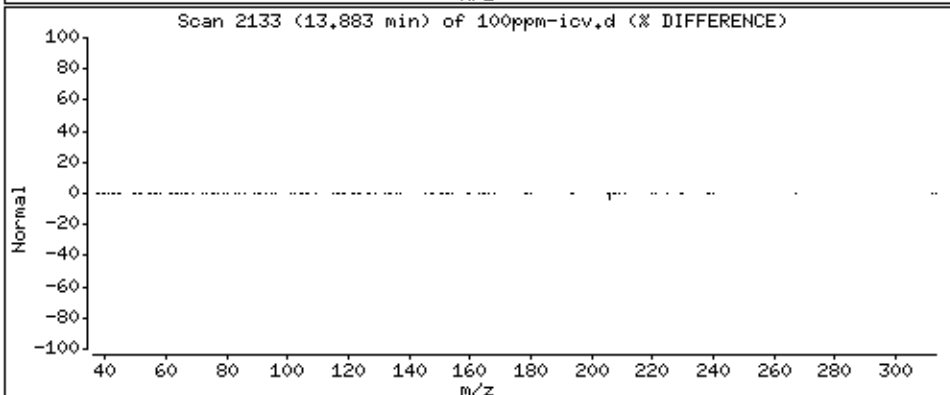
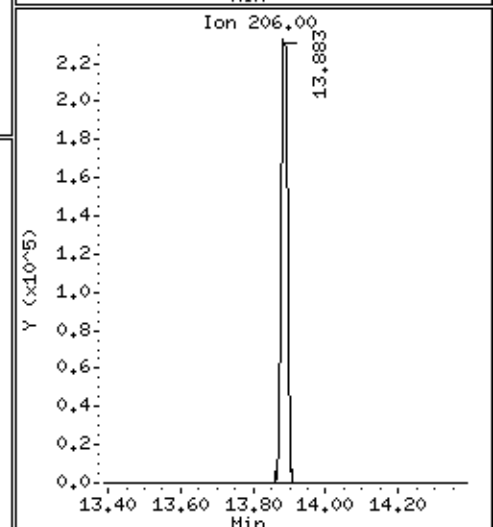
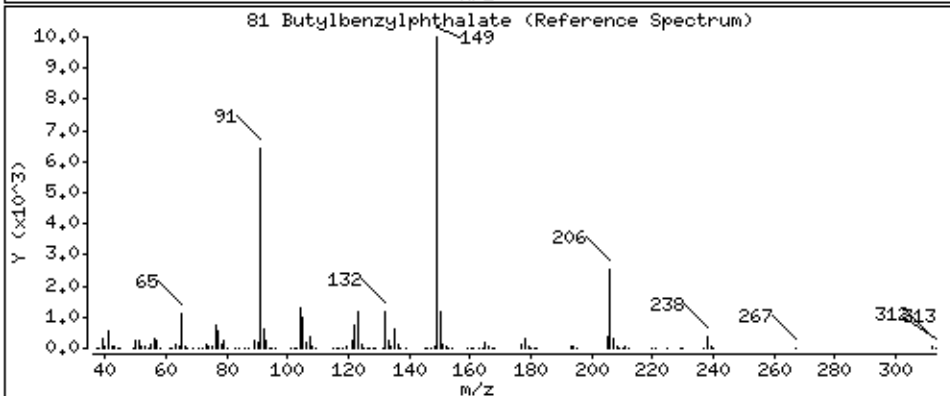
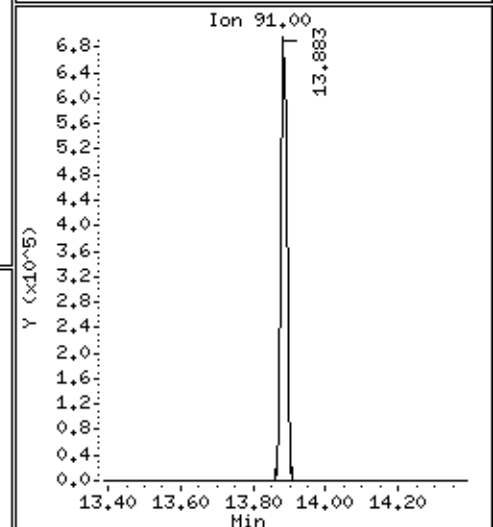
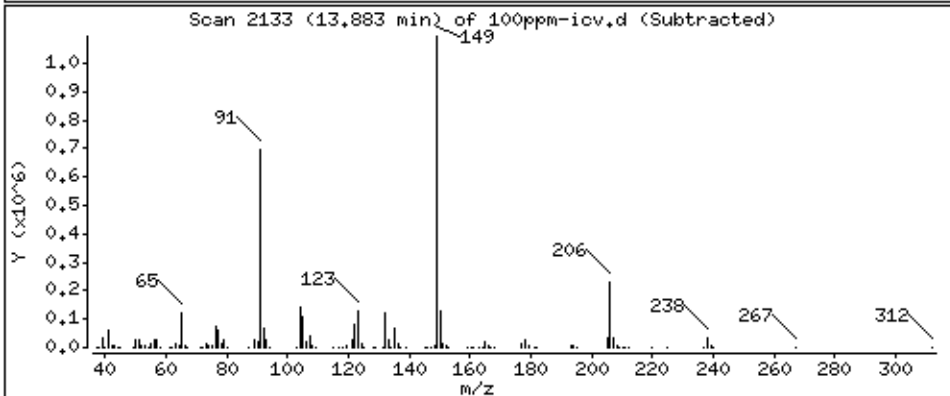
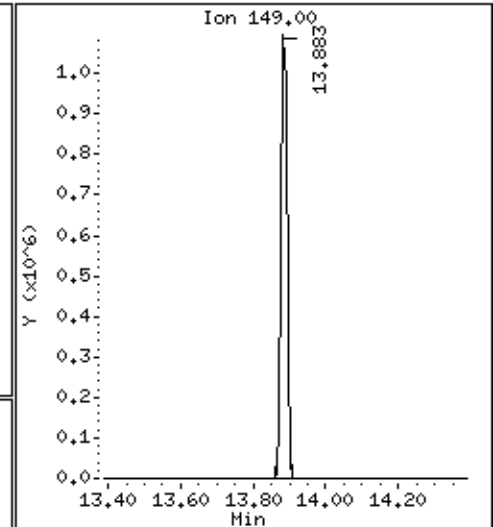
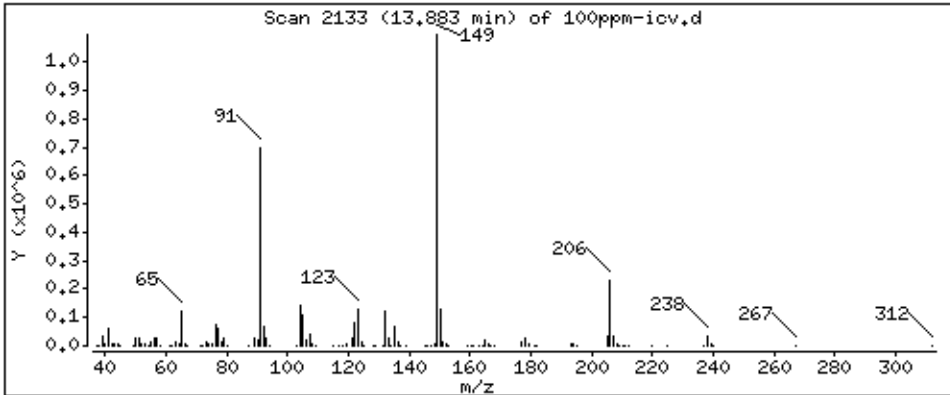
Operator: CEM

Column phase: .50um DB-5ms

Column diameter: 0,25

81 Butylbenzylphthalate

Concentration: 105.1 ug/L



Date : 09-JUN-2014 16:19

Client ID:

Instrument: 50MSS2.i

Sample Info: ICV,70293:1

Volume Injected (uL): 1.0

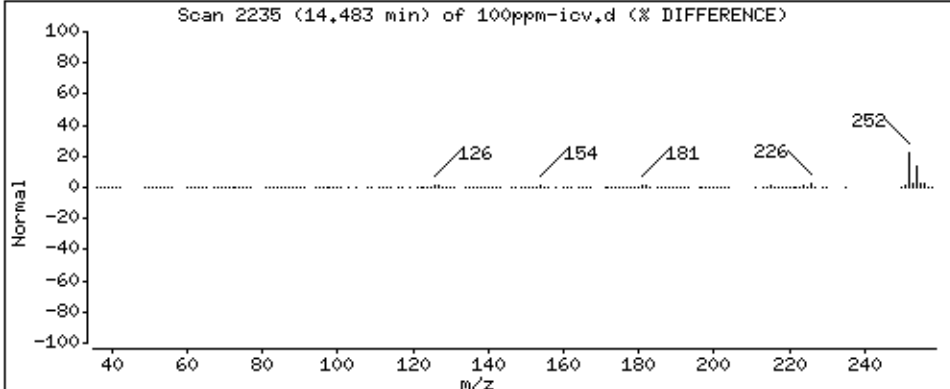
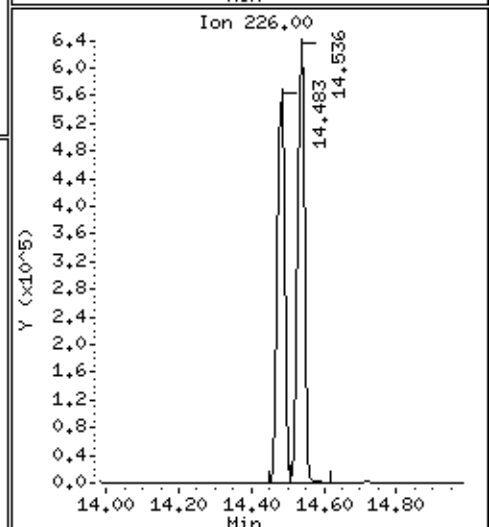
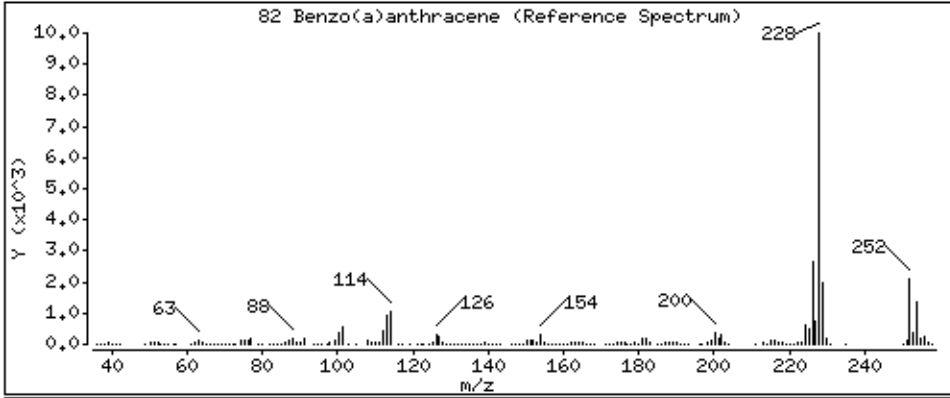
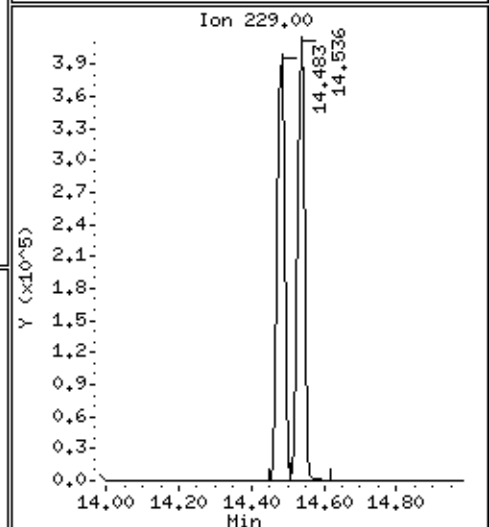
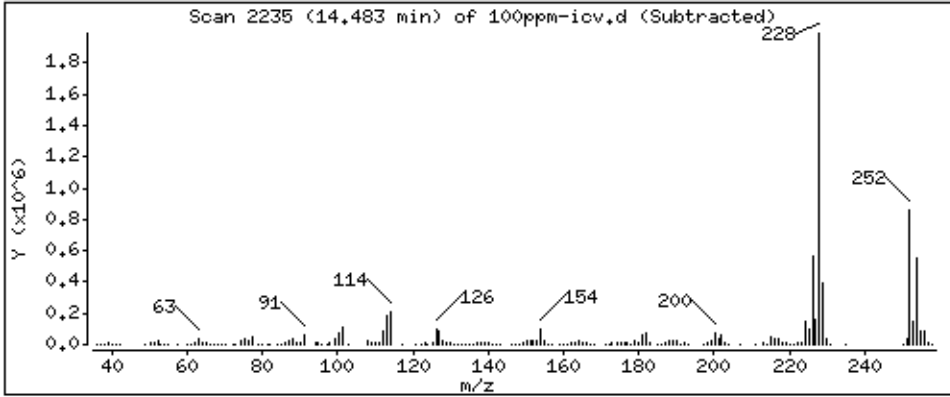
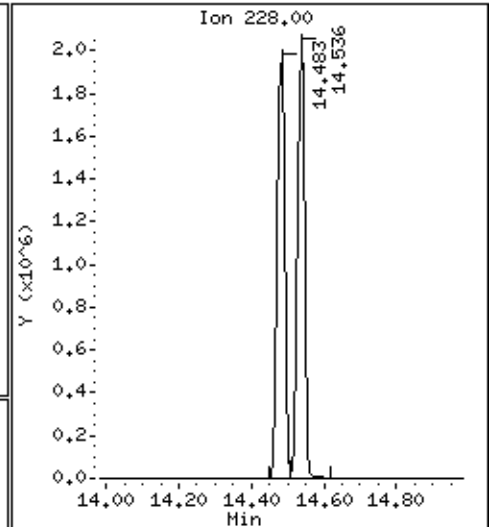
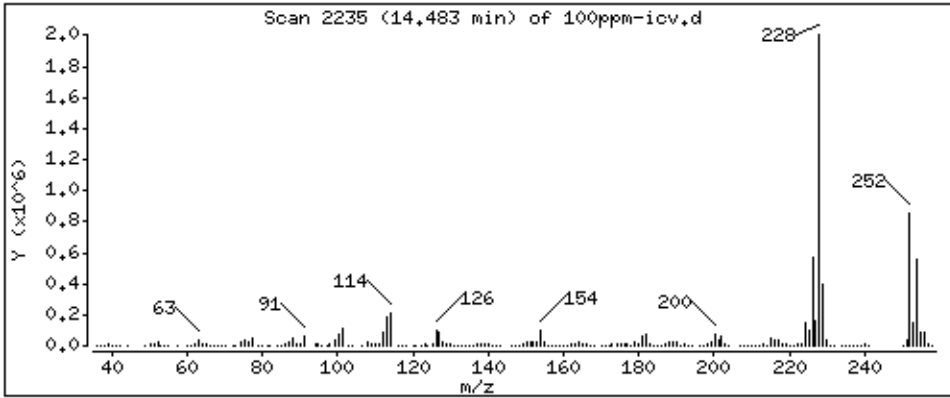
Operator: CEM

Column phase: .50um DB-5ms

Column diameter: 0,25

82 Benzo(a)anthracene

Concentration: 101.3 ug/L



Date : 09-JUN-2014 16:19

Client ID:

Instrument: 50MSS2.i

Sample Info: ICV,70293:1

Volume Injected (uL): 1.0

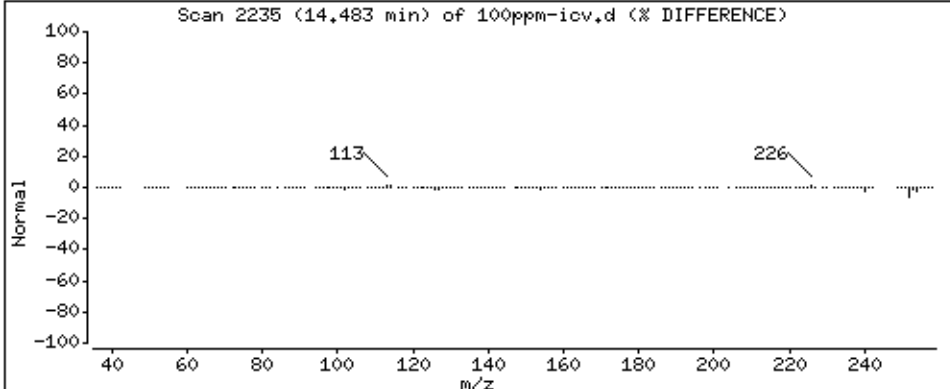
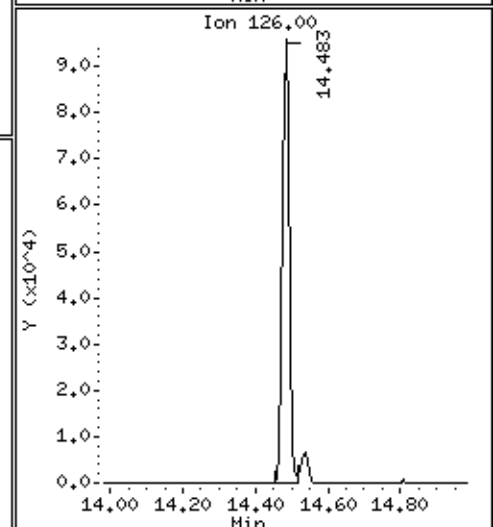
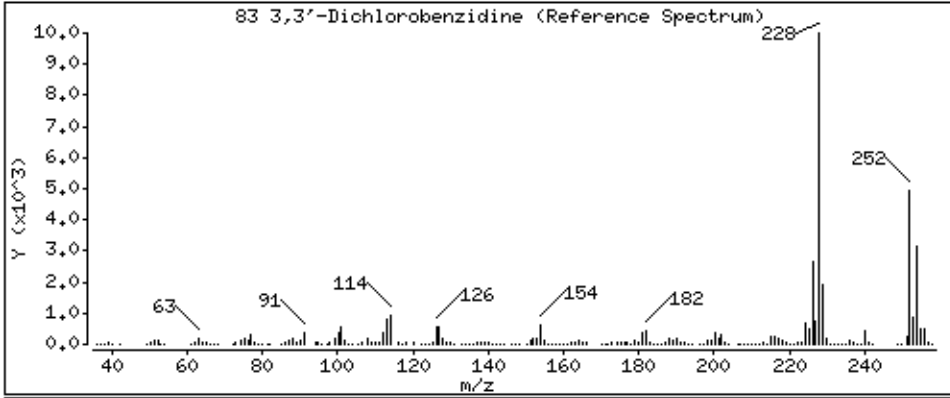
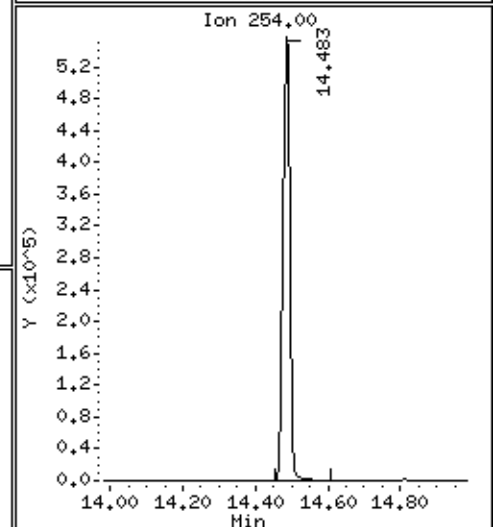
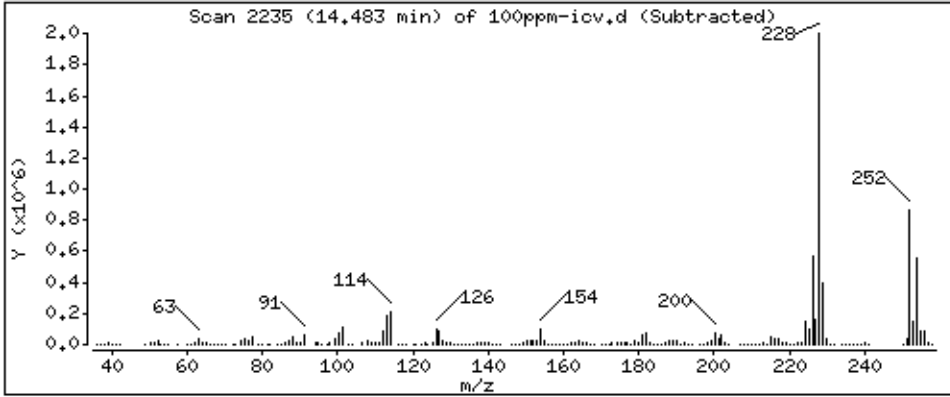
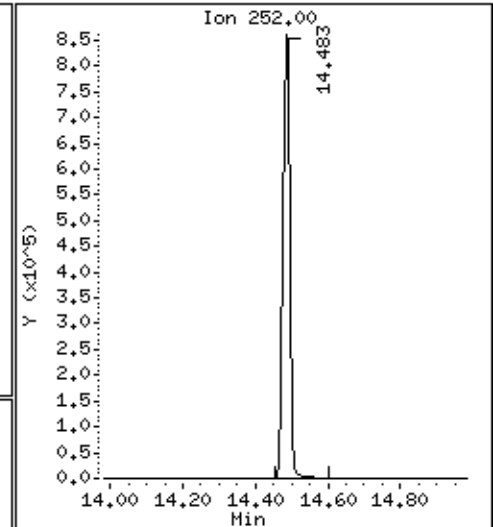
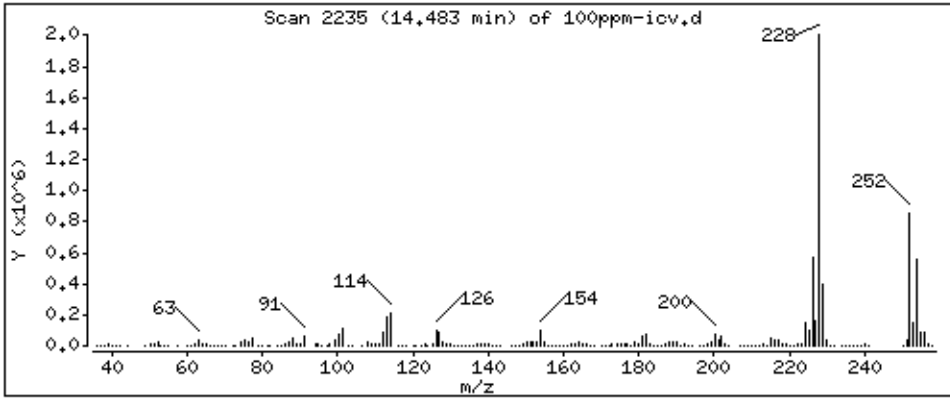
Operator: CEM

Column phase: .50um DB-5ms

Column diameter: 0,25

83 3,3'-Dichlorobenzidine

Concentration: 120.9 ug/L



Date : 09-JUN-2014 16:19

Client ID:

Instrument: 50MSS2.i

Sample Info: ICV,70293:1

Volume Injected (uL): 1.0

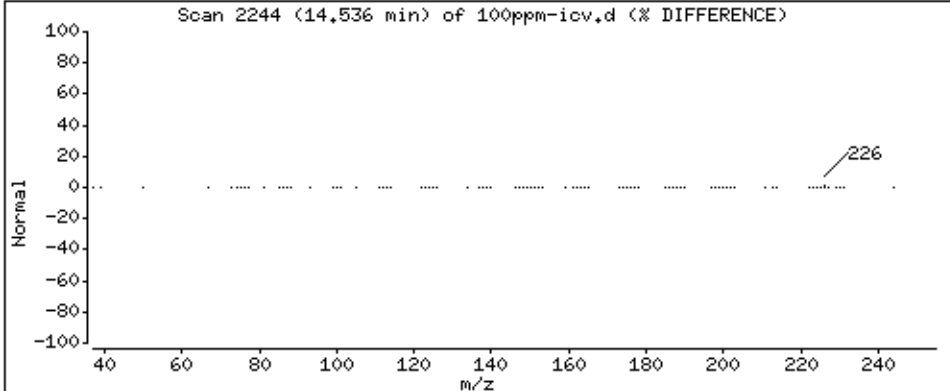
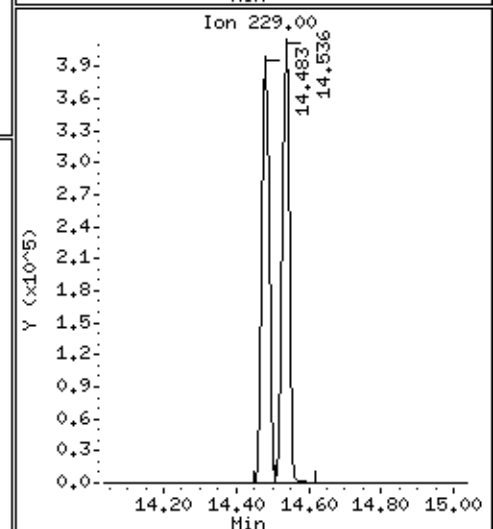
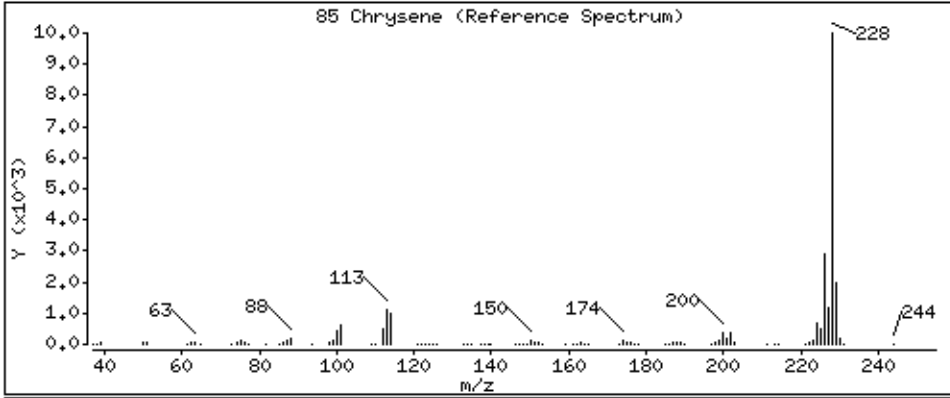
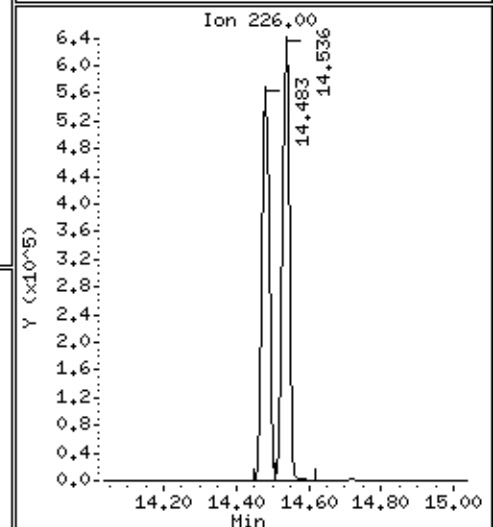
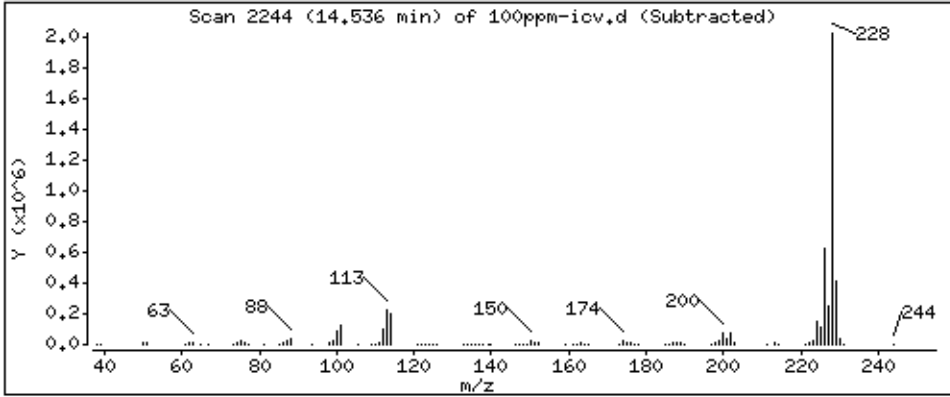
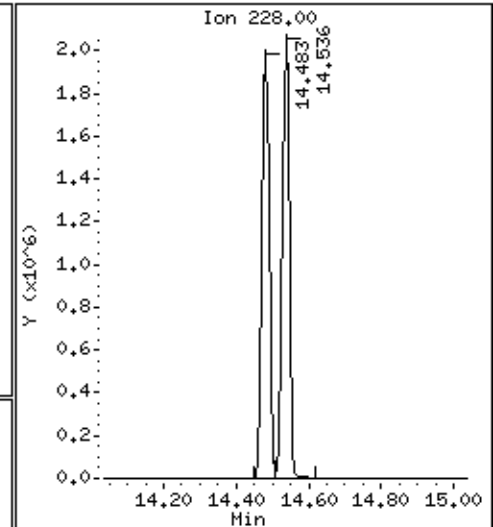
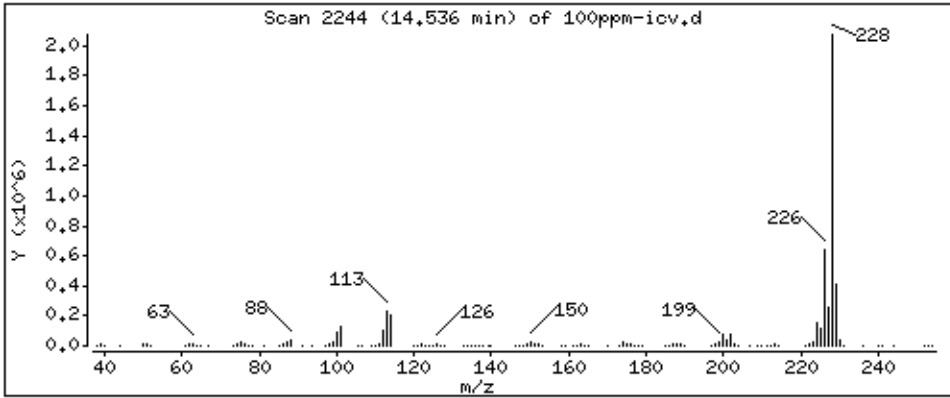
Operator: CEM

Column phase: .50um DB-5ms

Column diameter: 0,25

85 Chrysene

Concentration: 105.1 ug/L



Date : 09-JUN-2014 16:19

Client ID:

Instrument: 50MSS2.i

Sample Info: ICV,70293:1

Volume Injected (uL): 1.0

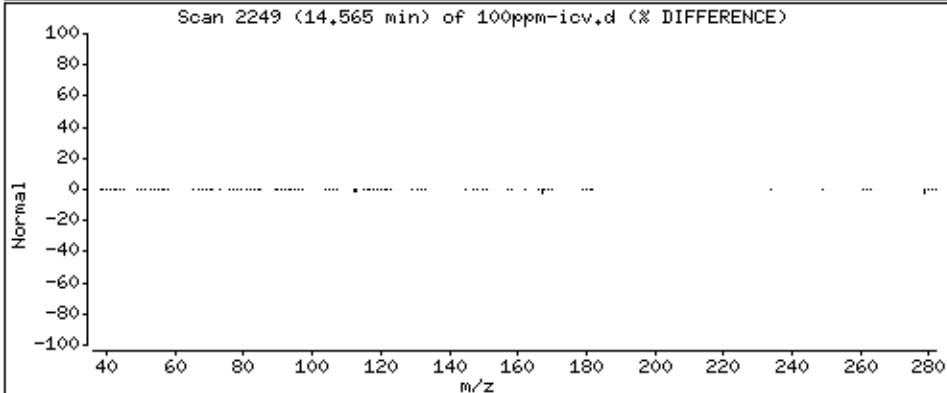
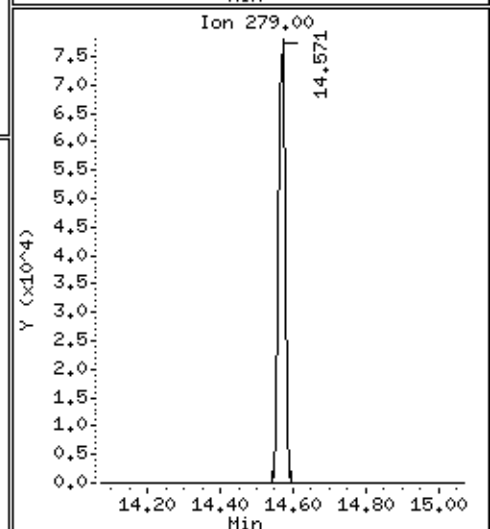
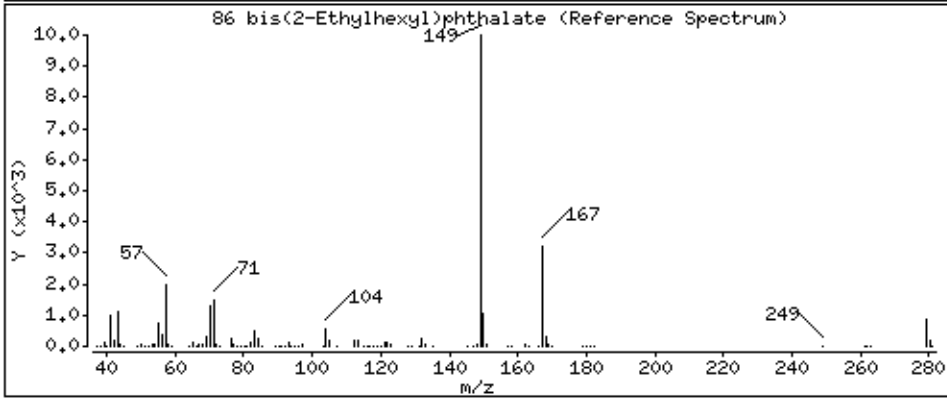
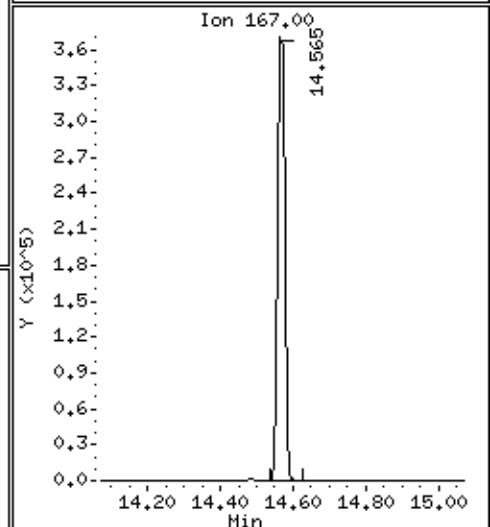
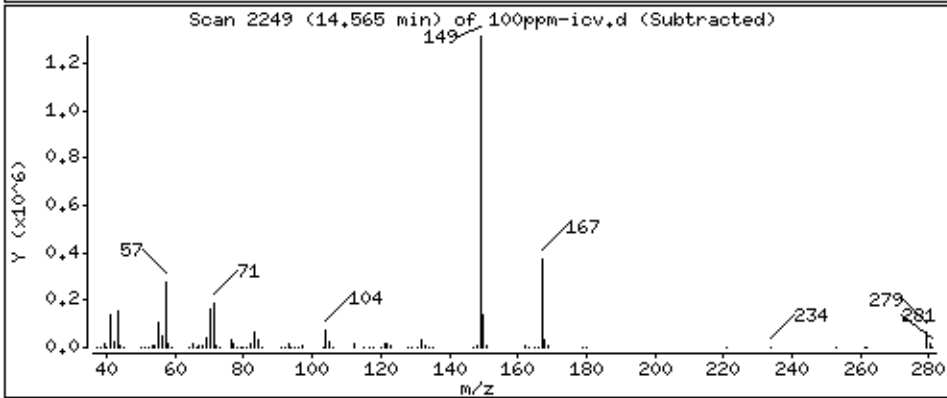
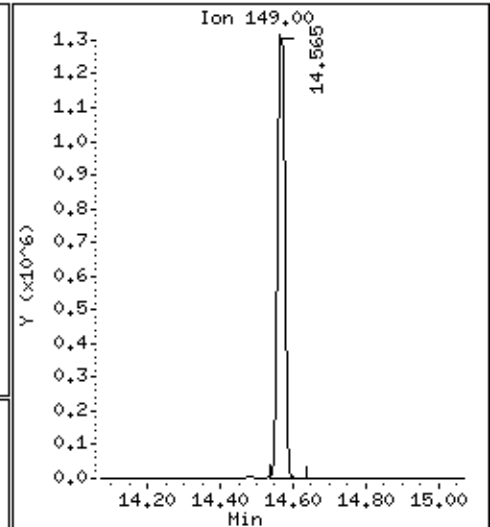
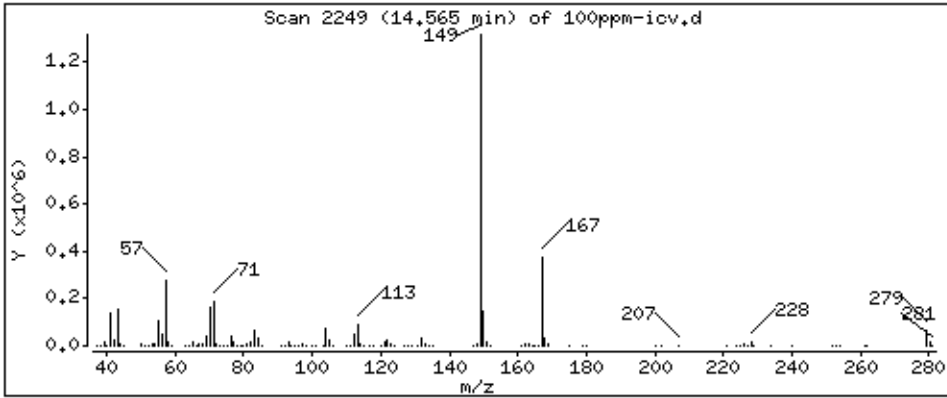
Operator: CEM

Column phase: .50um DB-5ms

Column diameter: 0,25

86 bis(2-Ethylhexyl)phthalate

Concentration: 105,5 ug/L



Date : 09-JUN-2014 16:19

Client ID:

Instrument: 50MSS2.i

Sample Info: ICV,70293:1

Volume Injected (uL): 1.0

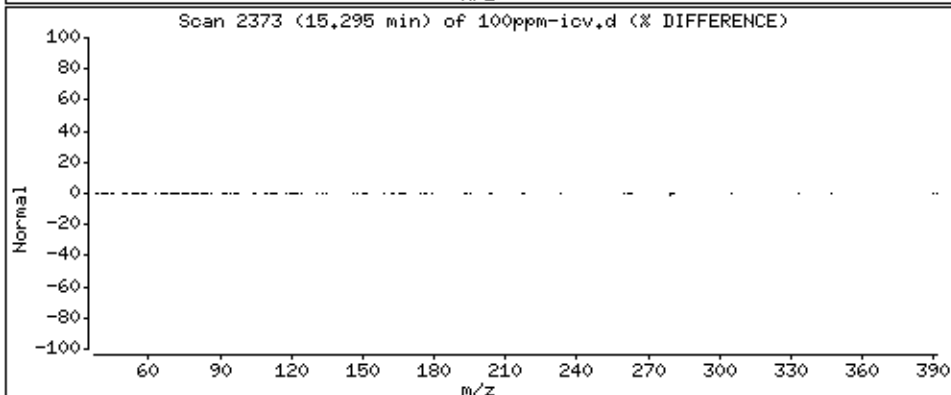
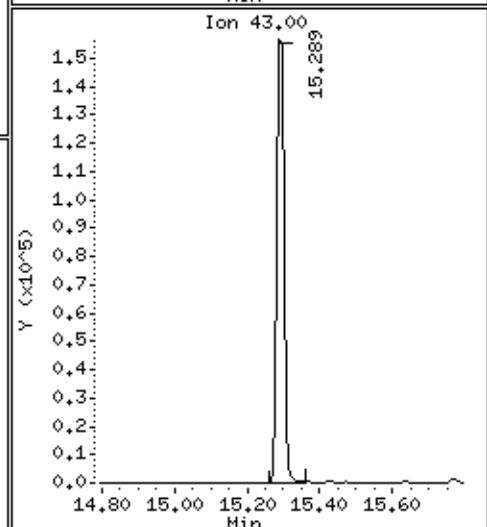
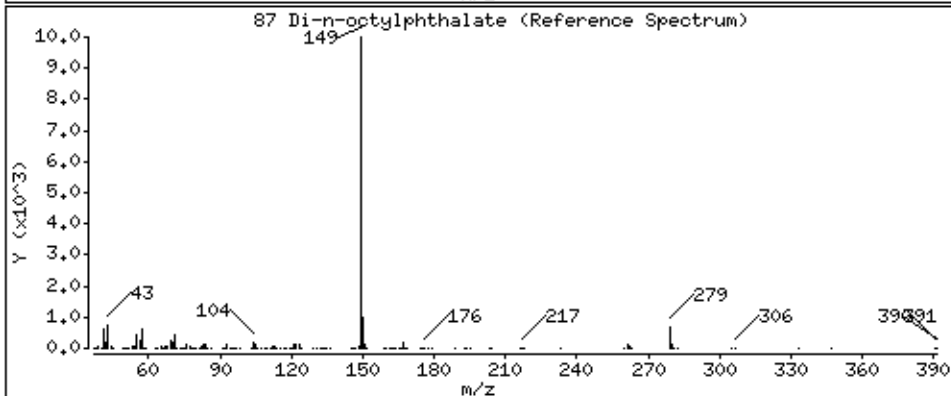
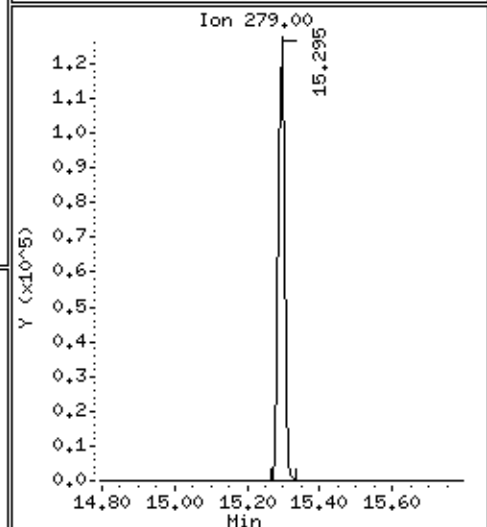
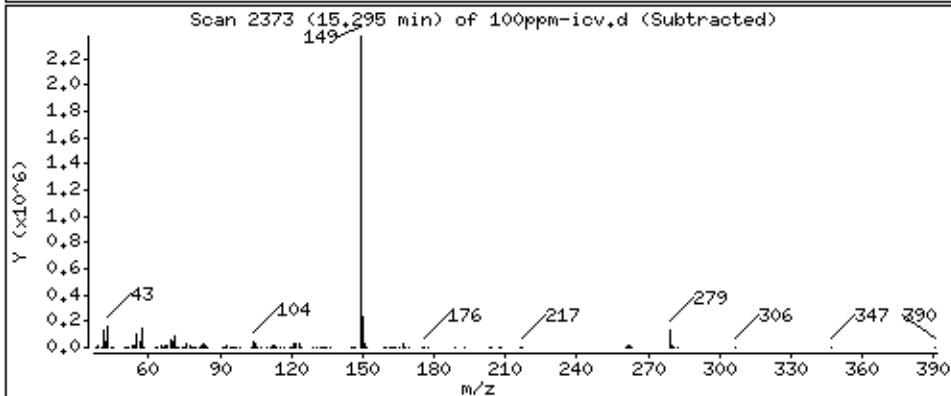
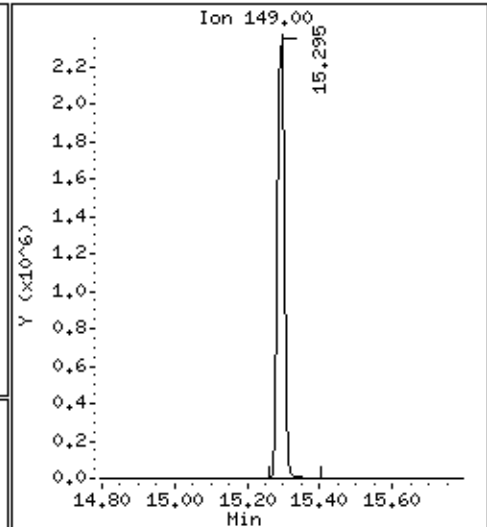
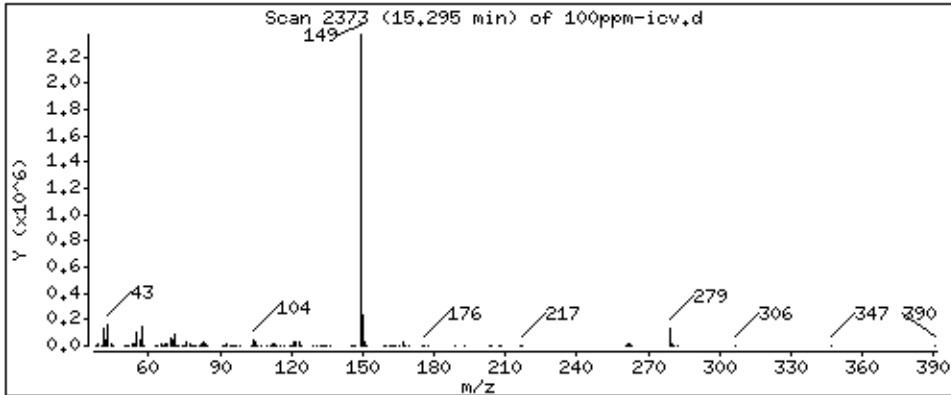
Operator: CEM

Column phase: .50um DB-5ms

Column diameter: 0,25

87 Di-n-octylphthalate

Concentration: 105.6 ug/L



Date : 09-JUN-2014 16:19

Client ID:

Instrument: 50MSS2.i

Sample Info: ICV,70293:1

Volume Injected (uL): 1.0

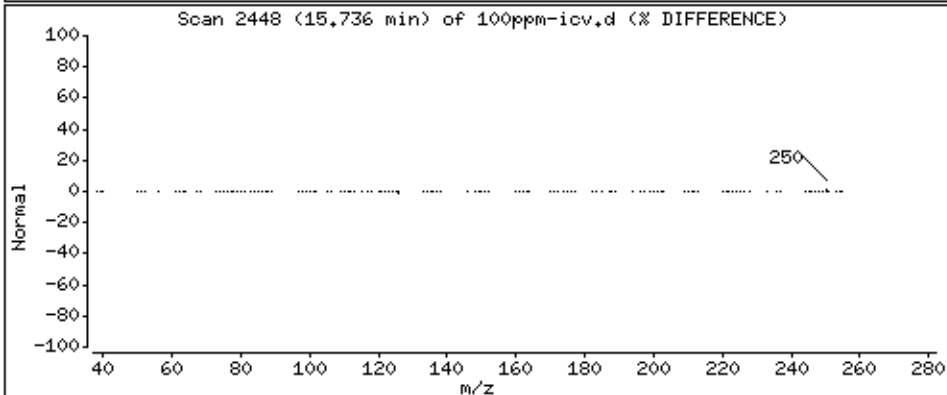
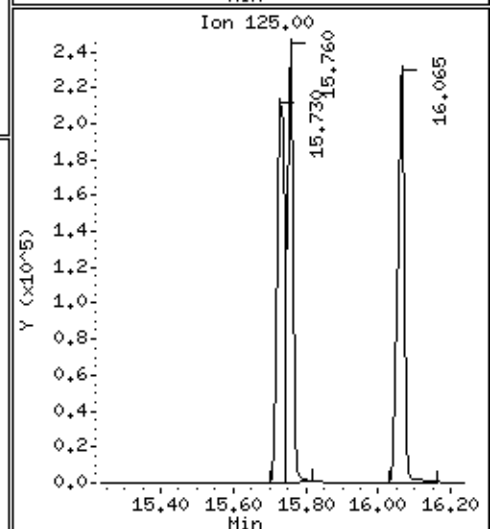
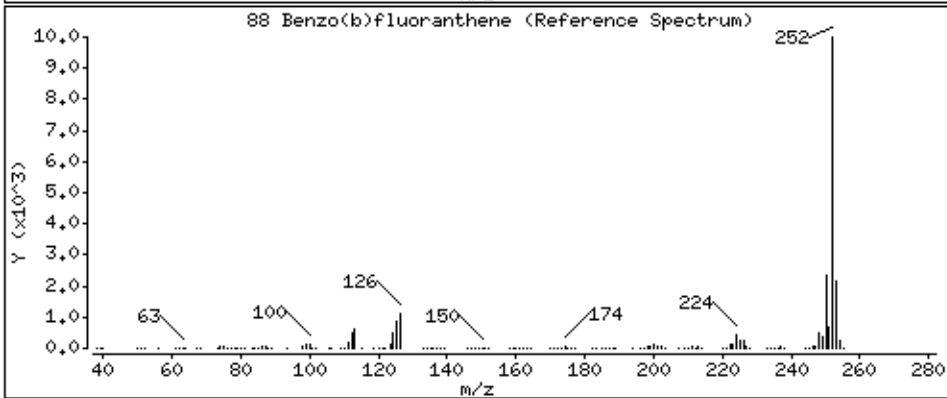
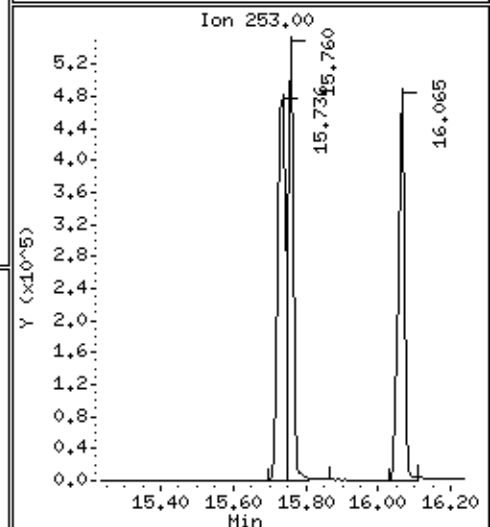
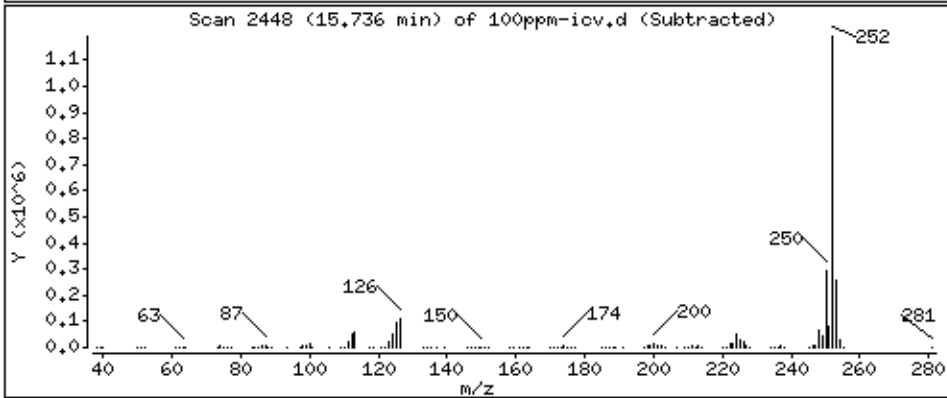
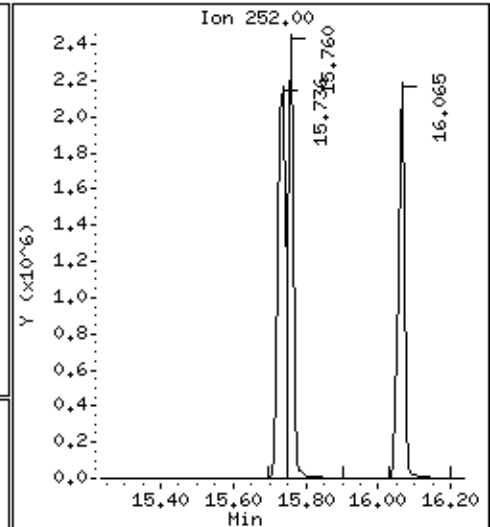
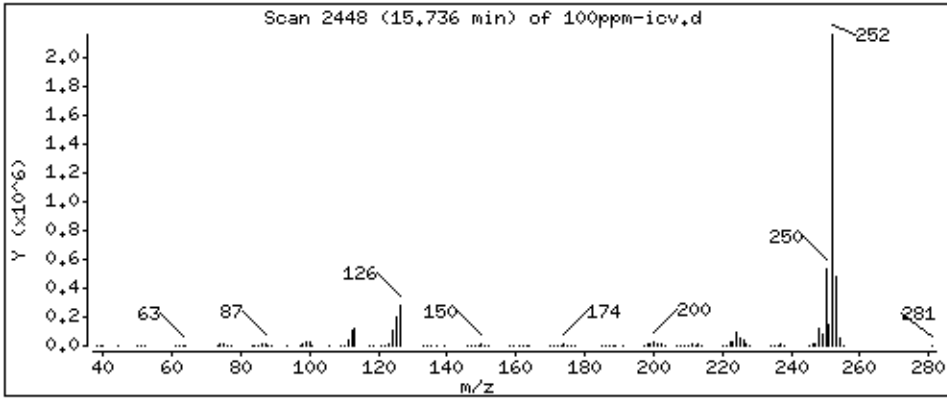
Operator: CEM

Column phase: .50um DB-5ms

Column diameter: 0,25

88 Benzo(b)fluoranthene

Concentration: 107.7 ug/L



Date : 09-JUN-2014 16:19

Client ID:

Instrument: 50MSS2.i

Sample Info: ICV,70293:1

Volume Injected (uL): 1.0

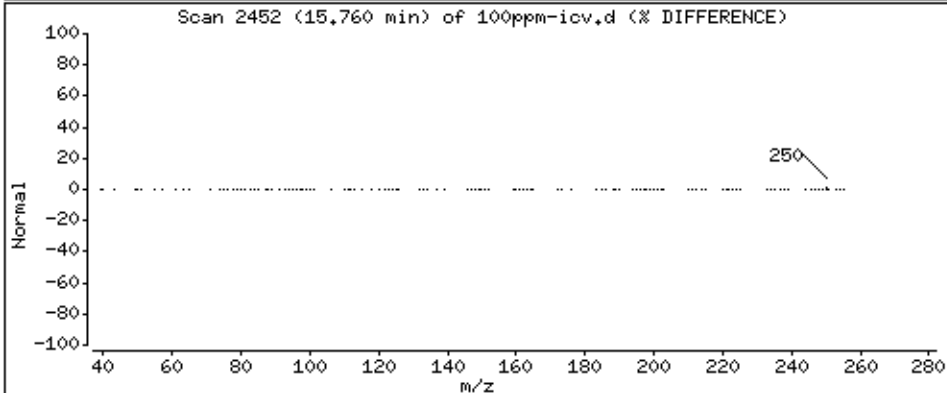
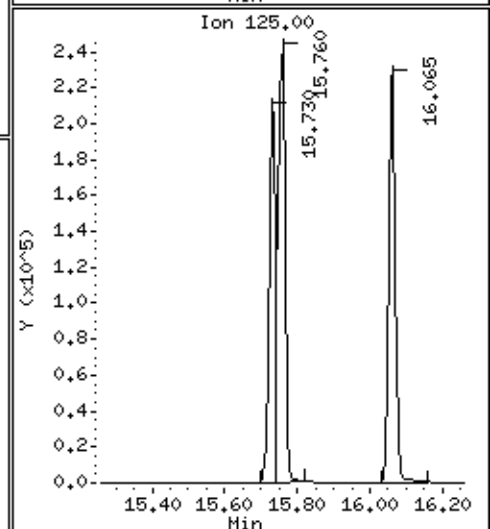
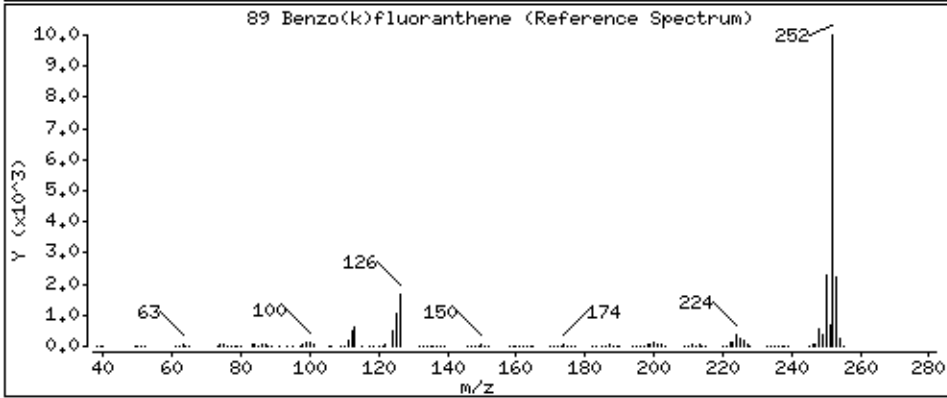
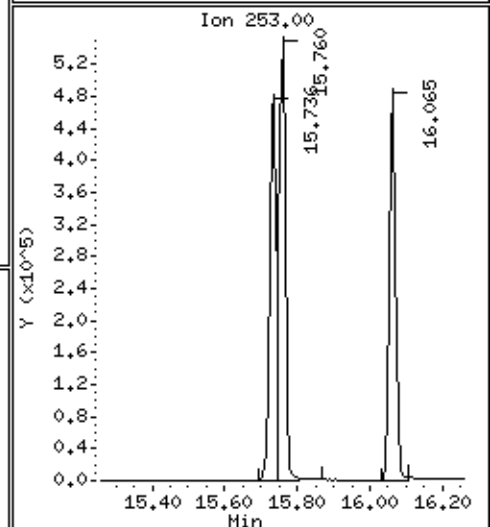
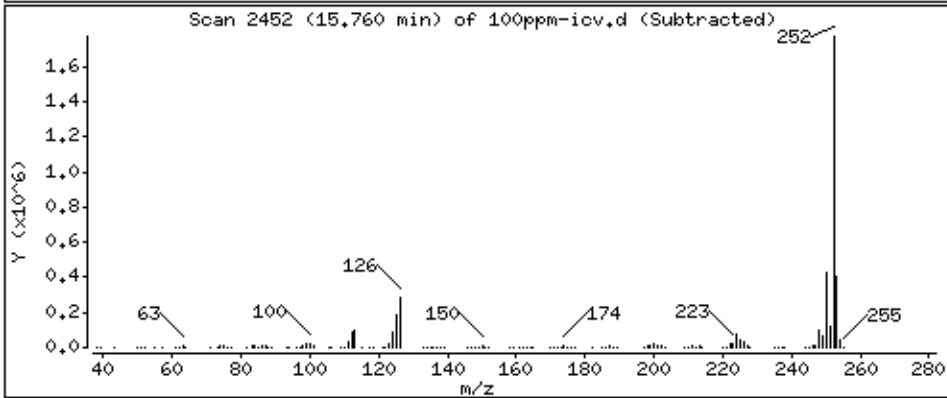
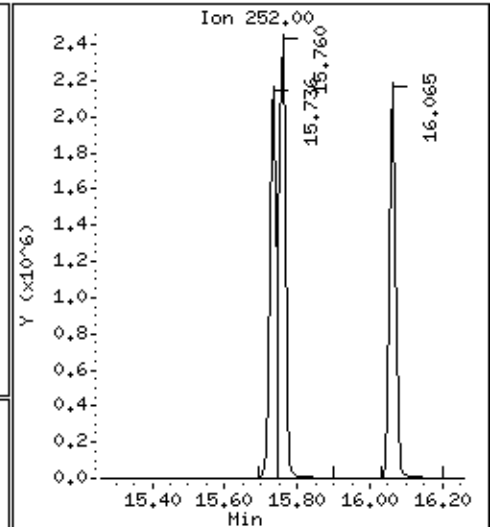
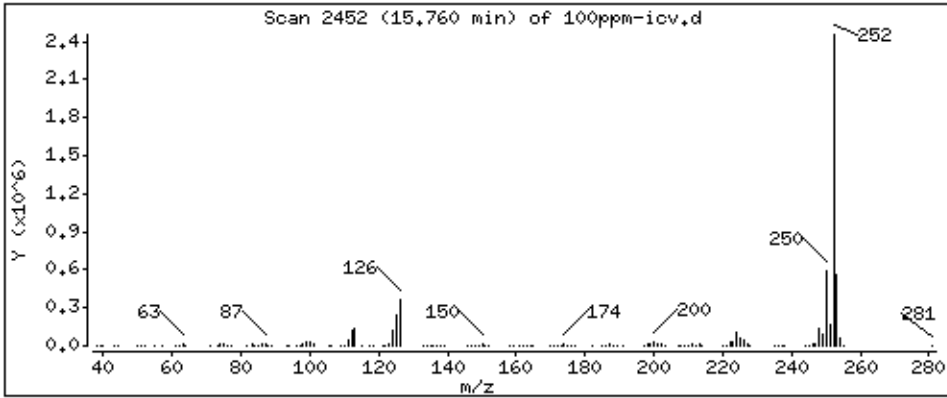
Operator: CEM

Column phase: .50um DB-5ms

Column diameter: 0,25

89 Benzo(k)fluoranthene

Concentration: 94,65 ug/L



Date : 09-JUN-2014 16:19

Client ID:

Instrument: 50MSS2.i

Sample Info: ICV,70293:1

Volume Injected (uL): 1.0

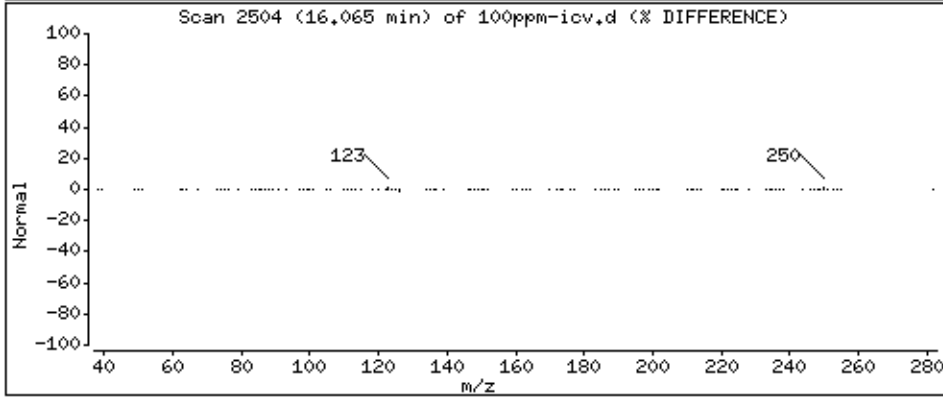
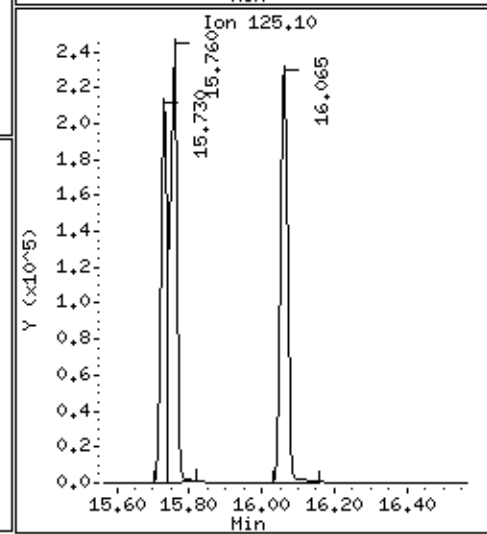
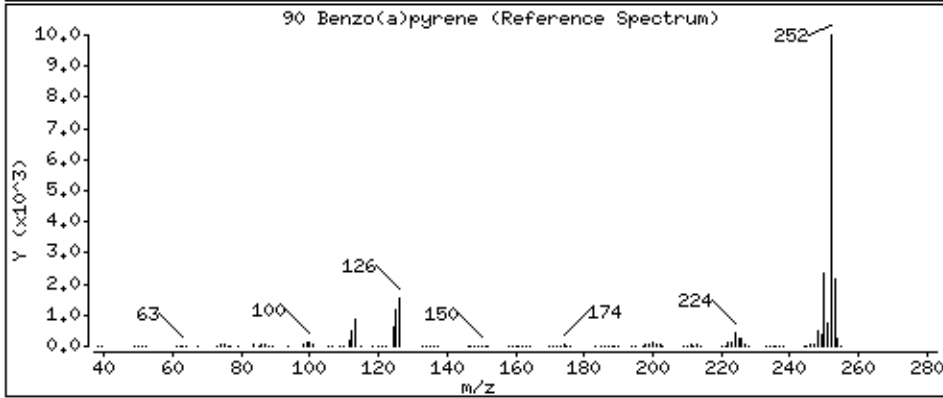
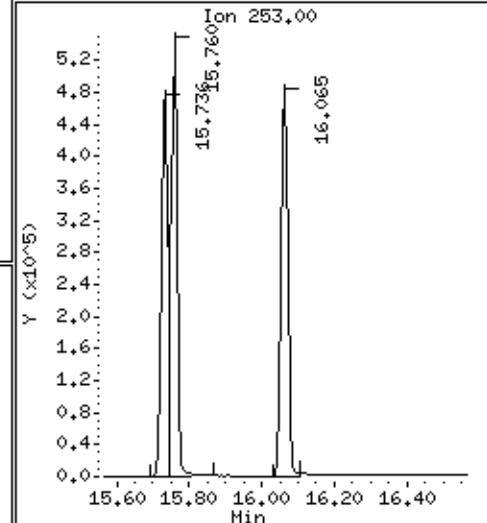
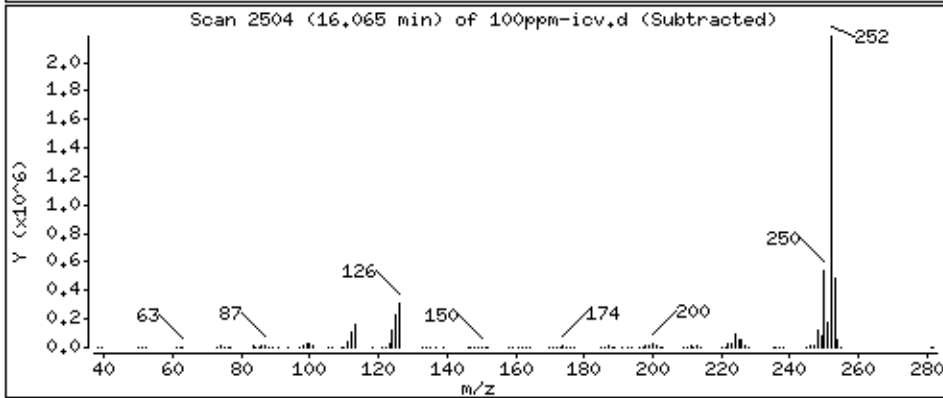
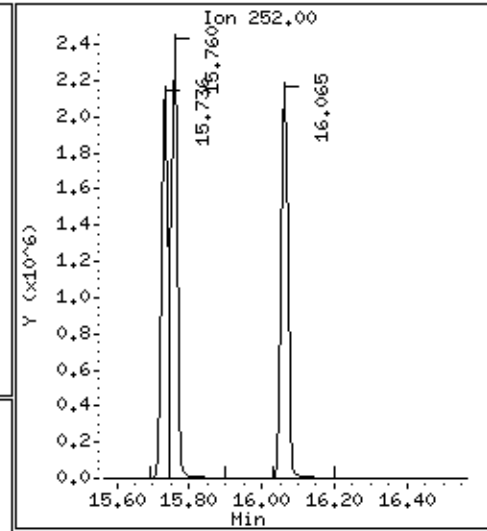
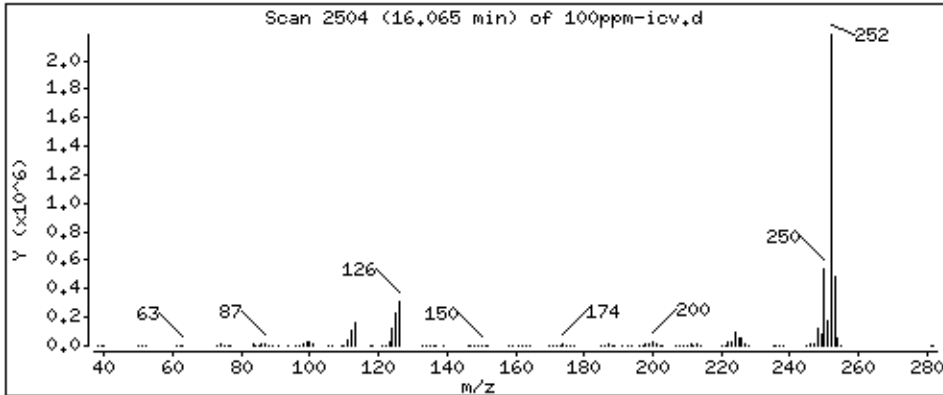
Operator: CEM

Column phase: .50um DB-5ms

Column diameter: 0,25

90 Benzo(a)pyrene

Concentration: 102.7 ug/L



Date : 09-JUN-2014 16:19

Client ID:

Instrument: 50MSS2.i

Sample Info: ICV,70293:1

Volume Injected (uL): 1.0

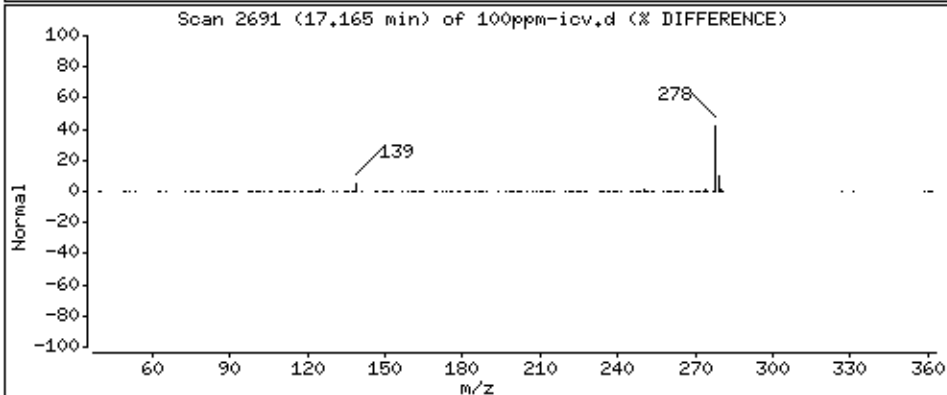
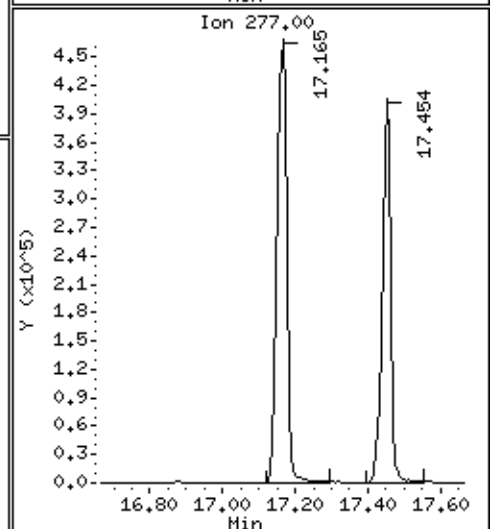
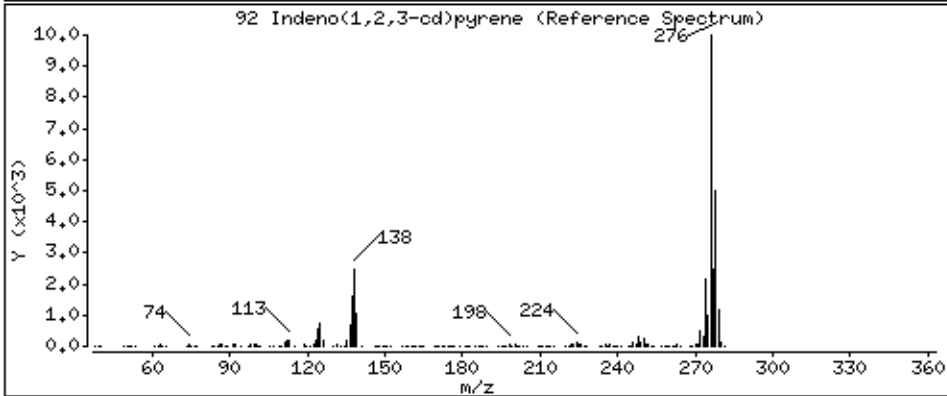
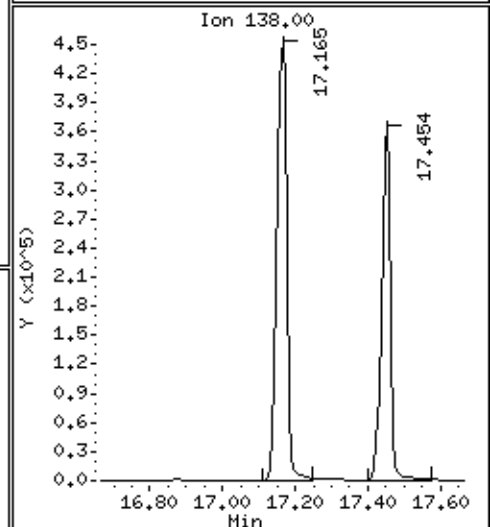
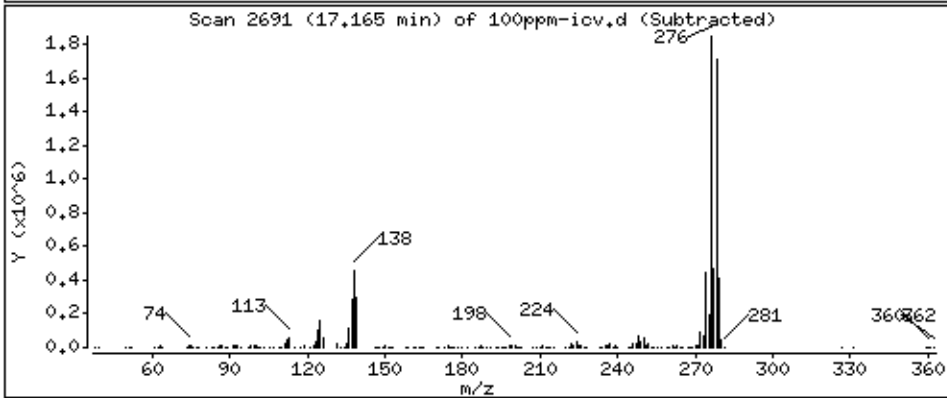
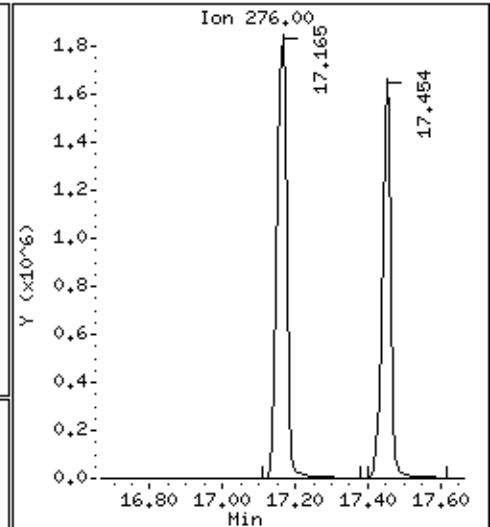
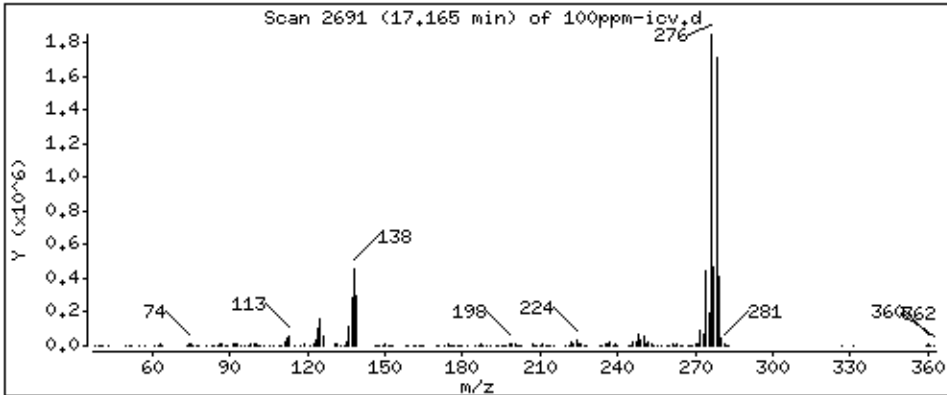
Operator: CEM

Column phase: .50um DB-5ms

Column diameter: 0,25

92 Indeno(1,2,3-cd)pyrene

Concentration: 99,29 ug/L



Date : 09-JUN-2014 16:19

Client ID:

Instrument: 50MSS2.i

Sample Info: ICV,70293:1

Volume Injected (uL): 1.0

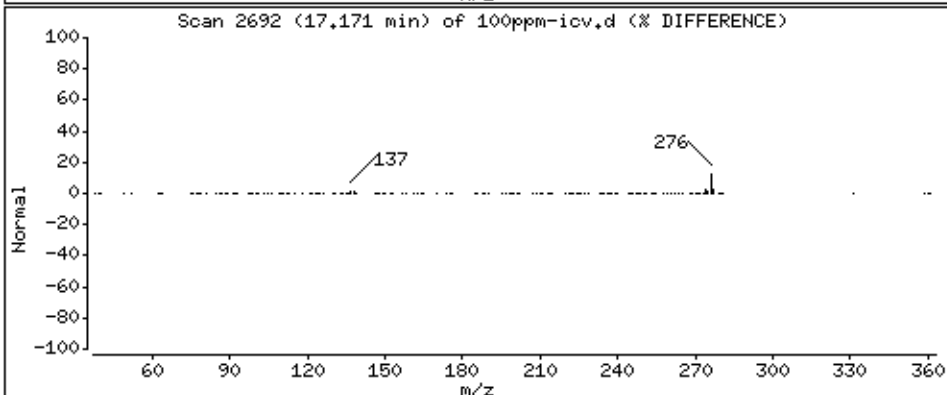
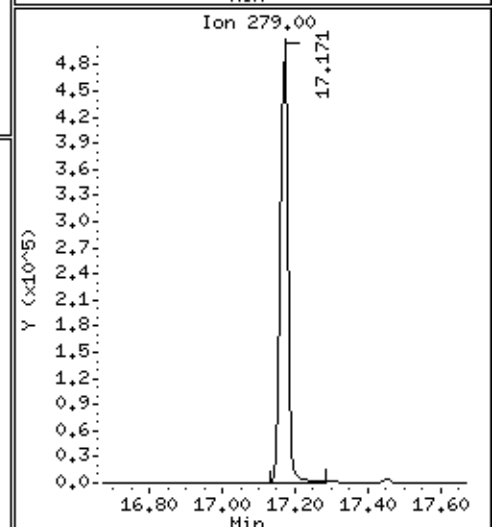
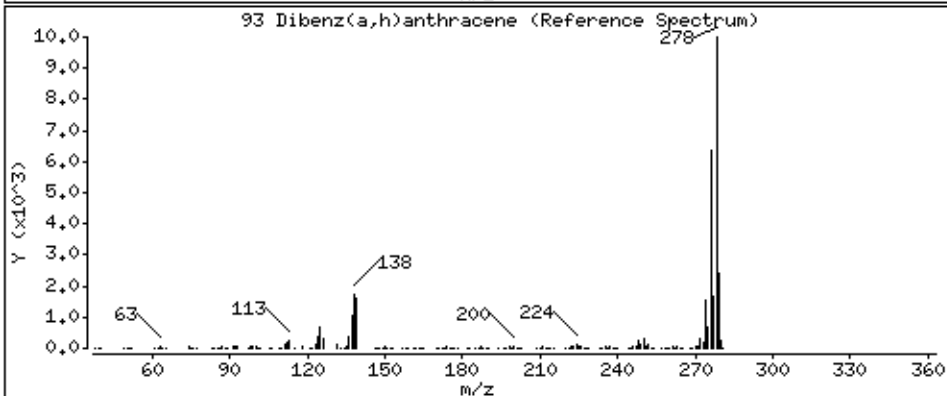
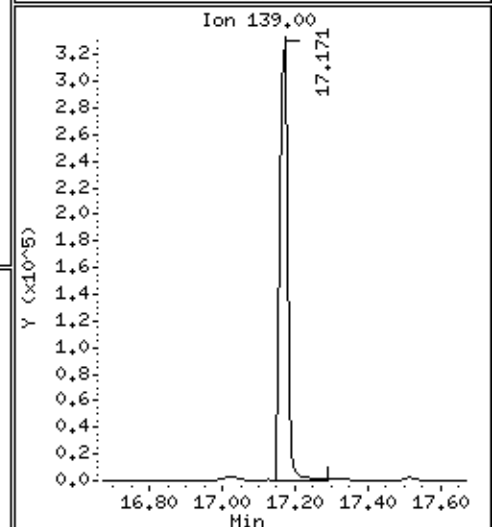
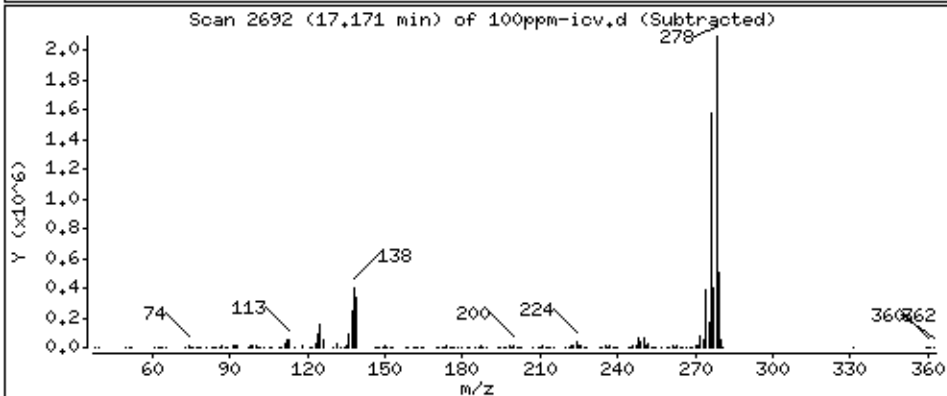
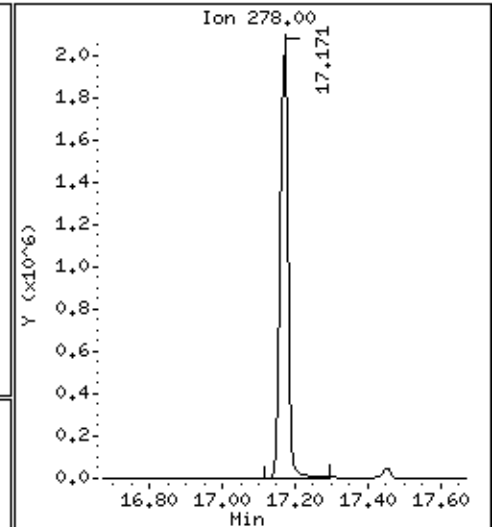
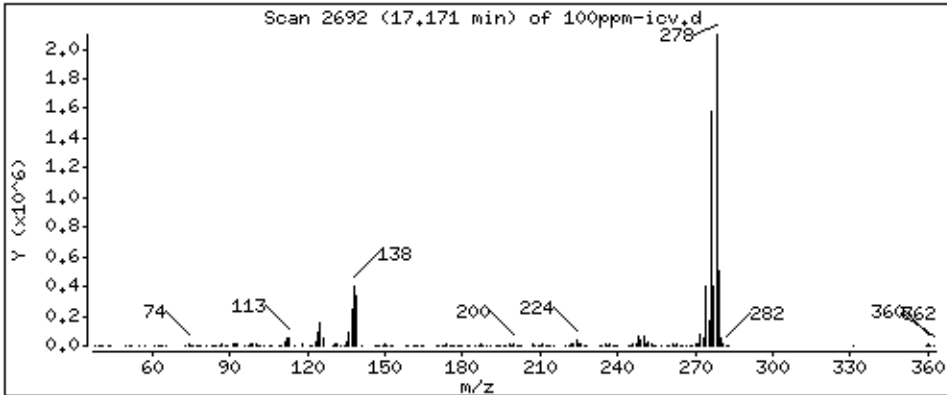
Operator: CEM

Column phase: .50um DB-5ms

Column diameter: 0,25

93 Dibenz(a,h)anthracene

Concentration: 103.7 ug/L



Date : 09-JUN-2014 16:19

Client ID:

Instrument: 50MSS2.i

Sample Info: ICV,70293:1

Volume Injected (uL): 1.0

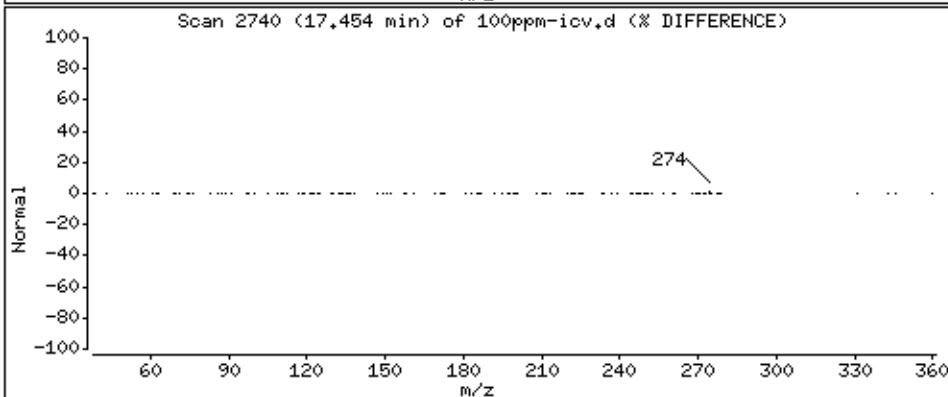
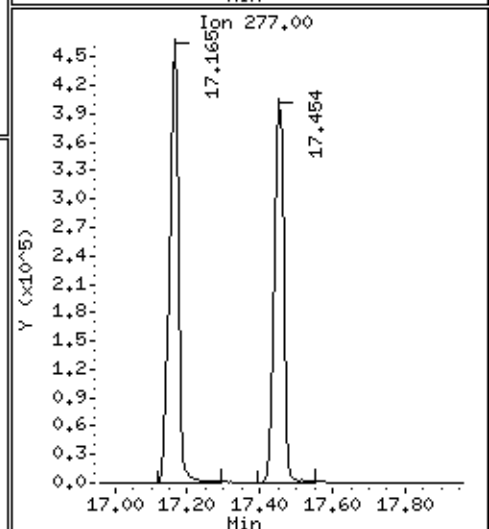
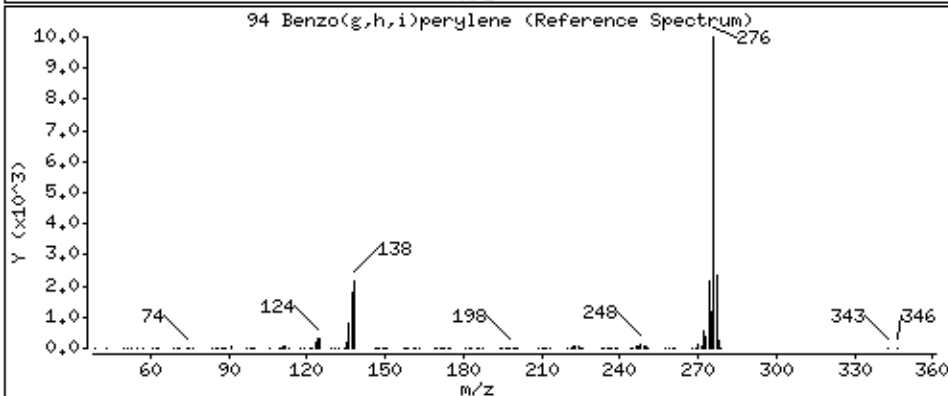
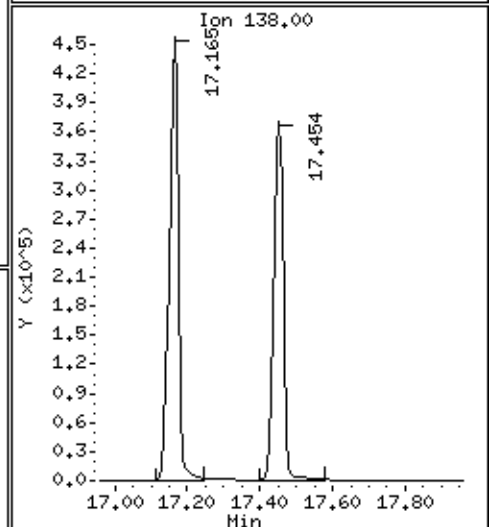
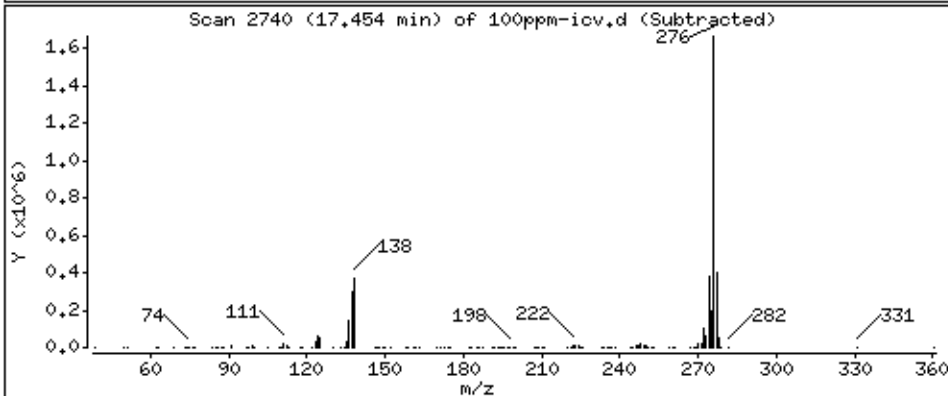
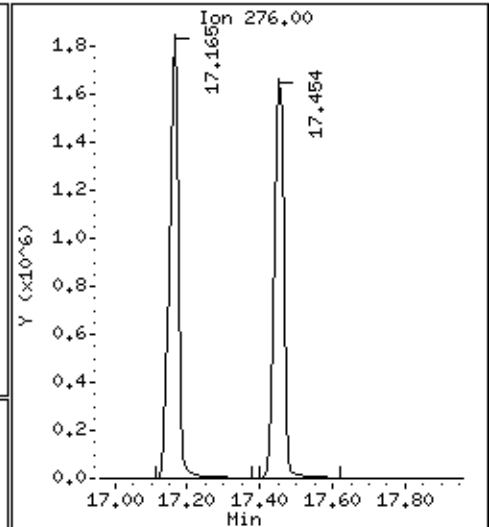
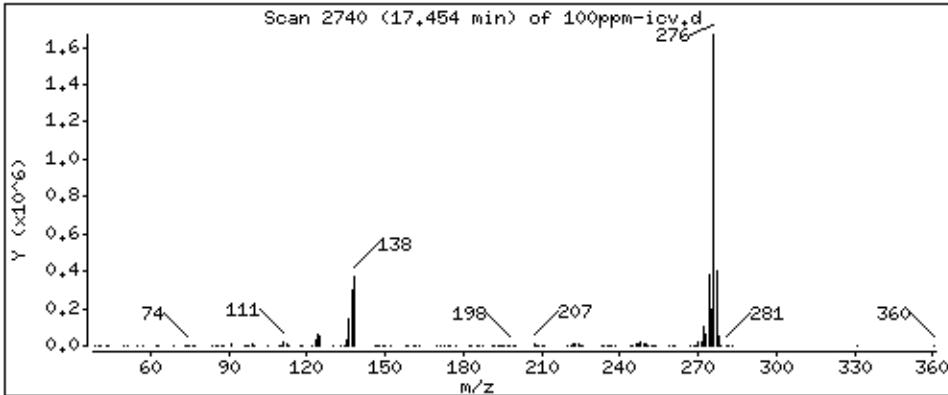
Operator: CEM

Column phase: .50um DB-5ms

Column diameter: 0,25

94 Benzo(g,h,i)perylene

Concentration: 101.4 ug/L



Pace Analytical Services, Inc.

Semivolatile REPORT SW-846 Method 8270/EPA 625

Data file : \\192.168.50.6\chem\50MSS2.i\062414.b\100ppm-a.d
 Lab Smp Id: CCV,71288:1
 Inj Date : 24-JUN-2014 14:59
 Operator : SN
 Smp Info : ccv,71288:1
 Misc Info : 15468
 Comment :
 Method : \\192.168.50.6\chem\50MSS2.i\062414.b\8270c.m
 Meth Date : 25-Jun-2014 09:37 50MSS2.i
 Cal Date : 09-JUN-2014 14:49
 Als bottle: 3
 Dil Factor: 1.00000
 Integrator: HP RTE
 Target Version: 4.14

Inst ID: 50MSS2.i

Quant Type: ISTD

Cal File: 100ppm.d

Continuing Calibration Sample

Compound Sublist: most.sub

Concentration Formula: Amt * DF * Uf * Vt / (Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vt	1000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT	SIG	AMOUNTS				CAL-AMT (ug/ml)	ON-COL (ug/ml)
			MASS	RT	EXP RT	REL RT		
1 N-Nitrosodimethylamine	42		2.107	2.107	(0.448)	198411	100.000	99.32
2 Pyridine	79		2.113	2.113	(0.449)	546018	100.000	105.2
\$ 3 2-Fluorophenol (S)	112		3.401	3.401	(0.723)	503792	100.000	104.0
5 Benzaldehyde	77		4.248	4.248	(0.904)	228989	100.000	107.1
\$ 6 Phenol-d5 (S)	99		4.395	4.395	(0.935)	622341	100.000	101.8
7 Phenol	94		4.413	4.413	(0.939)	654289	100.000	101.6
8 bis(2-Chloroethyl)ether	93		4.465	4.465	(0.950)	476143	100.000	102.1
9 2-Chlorophenol	128		4.518	4.518	(0.961)	592888	100.000	103.2
10 1,3-Dichlorobenzene	146		4.660	4.660	(0.991)	652759	100.000	101.2
* 11 1,4-Dichlorobenzene-d4 (IS)	152		4.701	4.701	(1.000)	170207	40.0000	
12 1,4-Dichlorobenzene	146		4.718	4.718	(1.004)	656976	100.000	102.1
13 Benzyl Alcohol	108		4.907	4.907	(1.044)	363368	100.000	104.8
14 1,2-Dichlorobenzene	146		4.936	4.936	(1.050)	632957	100.000	102.0
15 2-Methylphenol	108		5.083	5.083	(1.081)	476584	100.000	99.74
16 bis(2chlorolmethylethyl) ether	45		5.089	5.089	(1.083)	562205	100.000	96.64
17 2,2'-Oxybis(1-chloropropane)	45		5.089	5.089	(1.083)	562205	100.000	96.64
18 bis(2-Chloroisopropyl)ether	45		5.089	5.089	(1.083)	562205	100.000	96.64
20 3&4-Methylphenol	108		5.283	5.283	(1.124)	517750	100.000	100.5
19 Acetophenone	105		5.236	5.236	(1.114)	742912	100.000	99.61
21 N-Nitroso-di-n-propylamine	70		5.271	5.271	(1.121)	329447	100.000	96.75
22 Hexachloroethane	117		5.318	5.318	(1.131)	233823	100.000	102.5

Compounds	QUANT	SIG	MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS	
								CAL-AMT (ug/ml)	ON-COL (ug/ml)
§ 23 Nitrobenzene-d5 (S)	82		5.448	5.448	(0.822)	514963	100.000	101.6	
24 Nitrobenzene	77		5.477	5.477	(0.827)	515066	100.000	101.5	
25 Isophorone	82		5.830	5.830	(0.880)	959725	100.000	99.39	
26 2-Nitrophenol	139		5.983	5.983	(0.903)	328983	100.000	107.0	
27 2,4-Dimethylphenol	122		6.101	6.101	(0.921)	495629	100.000	101.7	
28 Benzoic Acid	122		6.383	6.383	(0.964)	308469	100.000	111.5	
29 bis(2-Chloroethoxy)methane	93		6.259	6.259	(0.945)	608549	100.000	102.0	
30 2,4-Dichlorophenol	162		6.418	6.418	(0.969)	522570	100.000	104.5	
31 1,2,4-Trichlorobenzene	180		6.554	6.554	(0.989)	556311	100.000	101.8	
* 32 Naphthalene-d8 (IS)	136		6.624	6.624	(1.000)	662155	40.0000		
33 Naphthalene	128		6.665	6.665	(1.006)	1730522	100.000	101.4	
35 4-Chloroaniline	127		6.889	6.889	(1.040)	698435	100.000	104.4	
34 2,6-Dichlorophenol	162		6.889	6.889	(1.040)	494893	100.000	101.7	
36 Hexachlorobutadiene	225		7.071	7.071	(1.067)	346656	100.000	104.2	
37 Caprolactam	113		7.695	7.695	(1.162)	145963	100.000	103.2	
38 4-Chloro-3-methylphenol	107		8.159	8.159	(1.232)	465611	100.000	101.0	
39 2-Methylnaphthalene	142		8.253	8.253	(1.246)	1183220	100.000	100.9	
41 1-Methylnaphthalene	142		8.471	8.471	(1.279)	1160943	100.000	100.6	
43 Hexachlorocyclopentadiene	237		8.712	8.712	(0.874)	244401	100.000	89.27	
44 2,4,6-Trichlorophenol	196		8.900	8.900	(0.893)	393466	100.000	105.5	
45 2,4,5-Trichlorophenol	196		8.977	8.977	(0.901)	406524	100.000	102.6	
§ 46 2-Fluorobiphenyl (S)	172		9.012	9.012	(0.904)	1305481	100.000	102.9	
48 Biphenyl (Diphenyl)	154		9.148	9.148	(0.918)	1429803	100.000	101.9	
47 2-Chloronaphthalene	162		9.130	9.130	(0.916)	1065010	100.000	101.7	
49 2-Nitroaniline	65		9.412	9.412	(0.945)	263724	100.000	103.2	
50 Dimethylphthalate	163		9.736	9.736	(0.977)	1225940	100.000	100.5	
51 Acenaphthylene	152		9.753	9.753	(0.979)	1833142	100.000	102.1	
52 2,6-Dinitrotoluene	165		9.830	9.830	(0.986)	280781	100.000	106.3	
54 3-Nitroaniline	138		10.006	10.006	(1.004)	309128	100.000	107.3	
* 53 Acenaphthene-d10 (IS)	164		9.965	9.965	(1.000)	376256	40.0000		
55 Acenaphthene	153		10.012	10.012	(1.005)	1120586	100.000	100.4	
56 2,4-Dinitrophenol	184		10.147	10.147	(1.018)	162761	100.000	95.04	
58 4-Nitrophenol	109		10.295	10.295	(1.033)	145586	100.000	101.9	
57 Dibenzofuran	168		10.218	10.218	(1.025)	1584452	100.000	100.7	
59 2,4-Dinitrotoluene	165		10.336	10.336	(1.037)	389332	100.000	106.4	
60 Diethylphthalate	149		10.630	10.630	(1.067)	1192834	100.000	100.3	
61 Fluorene	166		10.642	10.642	(1.068)	1259084	100.000	100.5	
62 4-Chlorophenyl-phenylether	204		10.659	10.659	(1.070)	626028	100.000	101.4	
63 4-Nitroaniline	138		10.771	10.771	(1.081)	319715	100.000	106.0	
64 4,6-Dinitro-2-methylphenol	198		10.812	10.812	(0.925)	238727	100.000	104.1	
65 N-Nitrosodiphenylamine	169		10.824	10.824	(0.926)	906975	100.000	102.4	
66 1,2-Diphenylhydrazine	77		10.842	10.842	(0.928)	1166178	100.000	102.8	
§ 67 2,4,6-Tribromophenol (S)	330		10.959	10.959	(0.938)	274940	100.000	106.8	
68 4-Bromophenyl-phenylether	248		11.206	11.206	(0.959)	432784	100.000	105.7	
69 Hexachlorobenzene	284		11.365	11.365	(0.973)	509387	100.000	104.1	
70 Atrazine	200		11.465	11.465	(0.981)	327949	100.000	99.36	
71 Pentachlorophenol	266		11.577	11.577	(0.991)	268085	100.000	93.26	
* 72 Phenanthrene-d10 (IS)	188		11.683	11.683	(1.000)	694179	40.0000		
73 Phenanthrene	178		11.706	11.706	(1.002)	1897876	100.000	101.9	
74 Anthracene	178		11.759	11.759	(1.007)	1911246	100.000	102.0	
75 Carbazole	167		11.953	11.953	(1.023)	1796201	100.000	101.7	
76 Di-n-butylphthalate	149		12.365	12.365	(1.058)	2044701	100.000	103.0	
77 Fluoranthene	202		12.953	12.953	(1.109)	2171063	100.000	102.4	
78 Benzidine	184		13.112	13.112	(1.122)	508113	100.000	104.2	

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS	
						CAL-AMT (ug/ml)	ON-COL (ug/ml)
79 Pyrene	202	13.177	13.177	(1.128)	2235661	100.000	100.7
\$ 80 p-Terphenyl-d14 (S)	244	13.347	13.347	(1.142)	1477086	100.000	103.6
81 Butylbenzylphthalate	149	13.883	13.883	(0.957)	942651	100.000	105.7
82 Benzo(a)anthracene	228	14.477	14.477	(0.998)	2235822	100.000	103.7
83 3,3'-Dichlorobenzidine	252	14.482	14.482	(0.999)	745667	100.000	103.0
* 84 Chrysene-d12 (IS)	240	14.500	14.500	(1.000)	843765	40.0000	
85 Chrysene	228	14.535	14.535	(1.002)	2098180	100.000	103.5
86 bis(2-Ethylhexyl)phthalate	149	14.559	14.559	(1.004)	1375812	100.000	106.7
87 Di-n-octylphthalate	149	15.288	15.288	(0.949)	2320077	100.000	108.4
88 Benzo(b)fluoranthene	252	15.729	15.729	(0.976)	2445550	100.000	105.2
89 Benzo(k)fluoranthene	252	15.753	15.753	(0.978)	2556548	100.000	105.6
90 Benzo(a)pyrene	252	16.059	16.059	(0.997)	2209498	100.000	105.0
* 91 Perylene-d12 (IS)	264	16.112	16.112	(1.000)	768410	40.0000	
92 Indeno(1,2,3-cd)pyrene	276	17.159	17.159	(1.065)	2903775	100.000	105.9
93 Dibenz(a,h)anthracene	278	17.165	17.165	(1.065)	2354822	100.000	106.8
94 Benzo(g,h,i)perylene	276	17.447	17.447	(1.083)	2425890	100.000	105.0

Client ID:

Sample Info: CCV,71288;1

Volume Injected (uL): 1.0

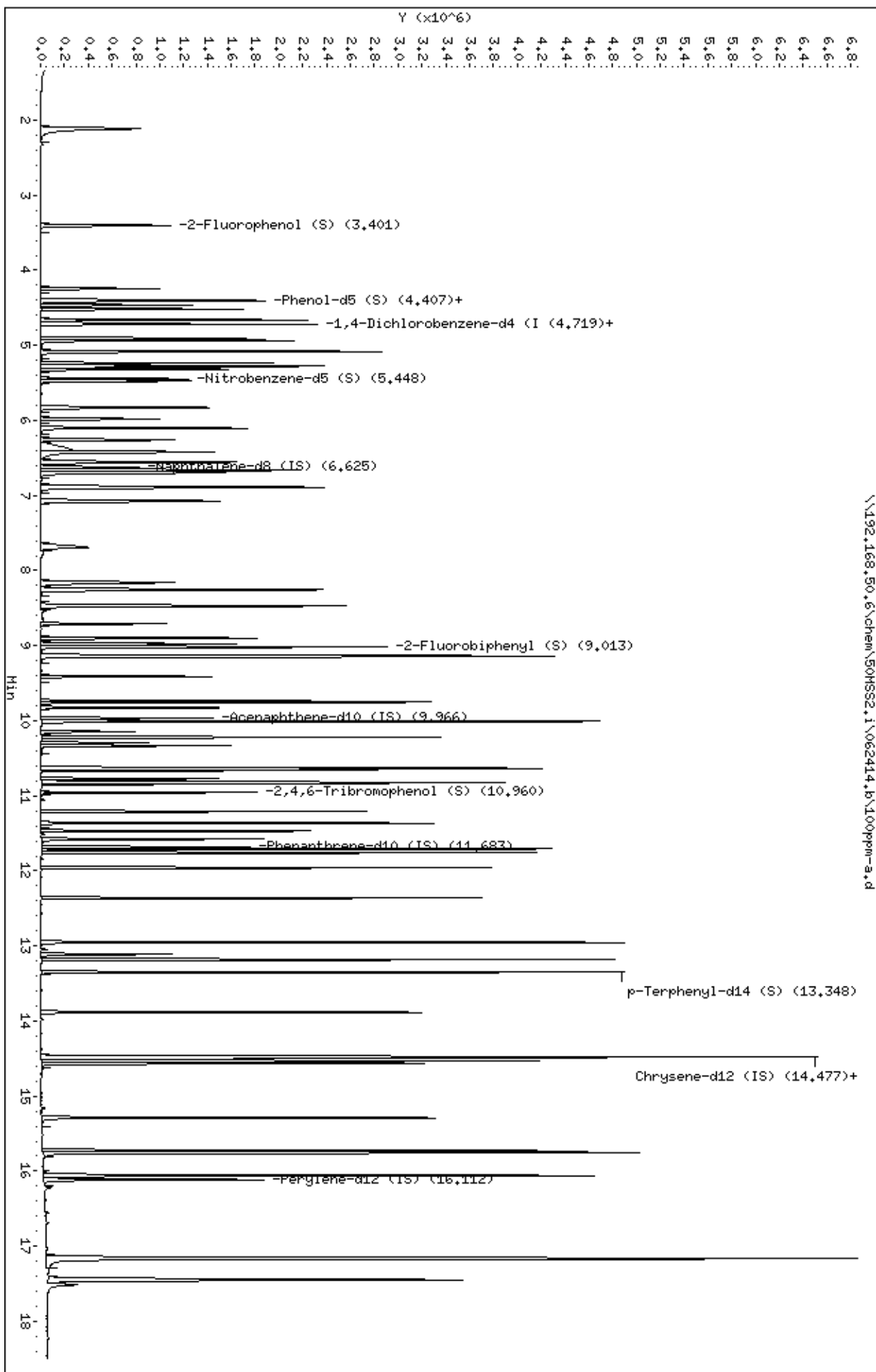
Column phase: 50um DB-5ms

Instrument: 50HSS2.1

Operator: SN

Column diameter: 0.25

\\192.168.50.6\chem\50HSS2.1\062414.b\100ppm-a.d



Pace Analytical Services, Inc.

Semivolatile REPORT SW-846 Method 8270/EPA 625

Data file : \\192.168.50.6\chem\50MSS3.i\061014cal8270.b\100ppmicv.d
 Lab Smp Id: ICV,70293:1
 Inj Date : 10-JUN-2014 13:45
 Operator : CEM Inst ID: 50MSS3.i
 Smp Info : icv,70293:1
 Misc Info : 15492
 Comment :
 Method : \\192.168.50.6\chem\50MSS3.i\061014cal8270.b\8270c.m
 Meth Date : 13-Jun-2014 09:19 cmanuputy Quant Type: ISTD
 Cal Date : 10-JUN-2014 12:11 Cal File: 100ppm.d
 Als bottle: 11 QC Sample: LCS
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: most.sub
 Target Version: 4.14
 Processing Host: 50-SVOA-CEM

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vt	1000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)
Cpnd Variable		Local Compound Variable

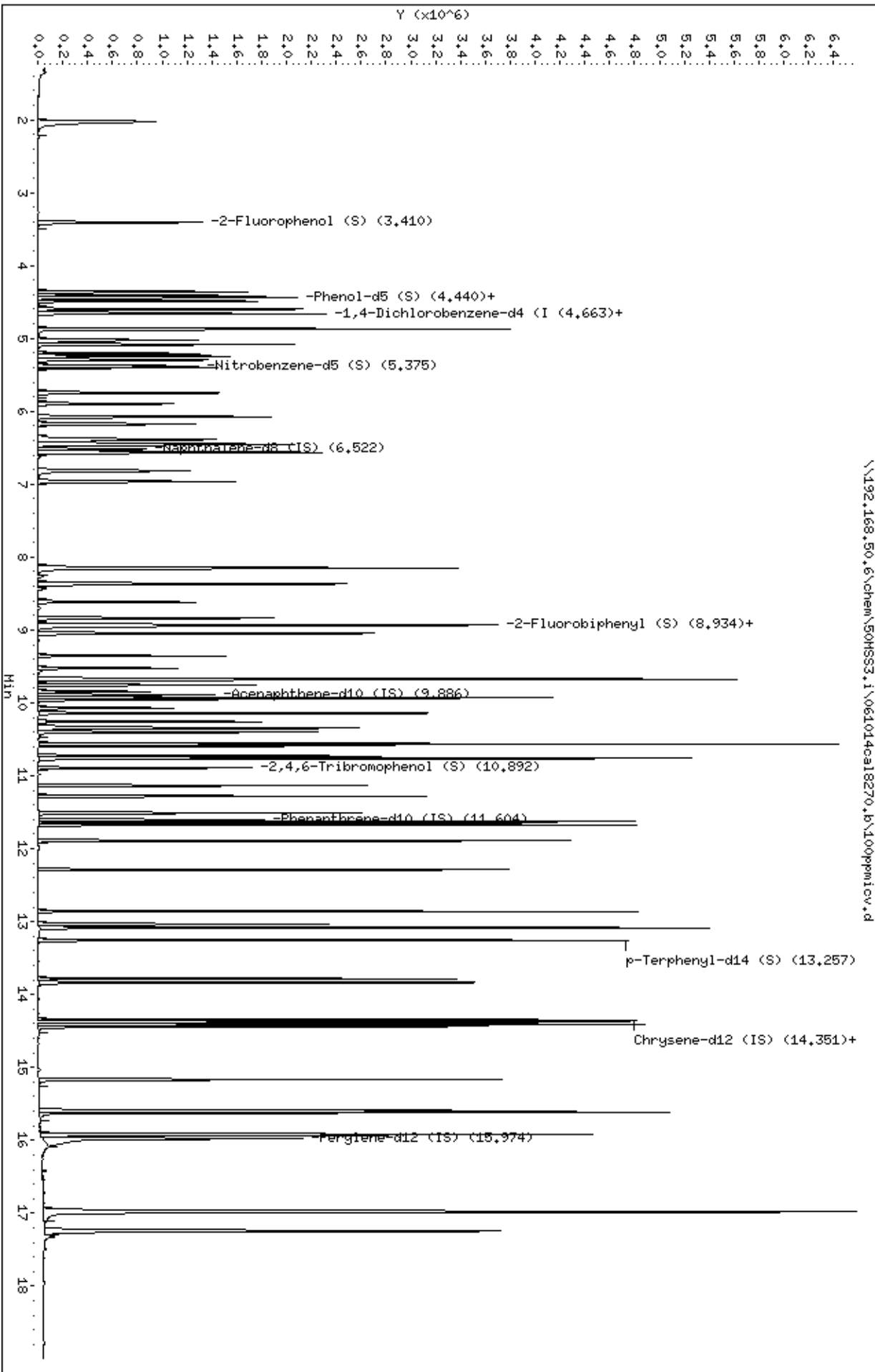
Compounds	QUANT	SIG	MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
								ON-COLUMN	FINAL
								(ug/ml)	(ug/L)
1 N-Nitrosodimethylamine	42			2.028	2.021	(0.437)	208981	101.023	101.0
2 Pyridine	79			2.028	2.028	(0.437)	559216	107.952	108.0
\$ 3 2-Fluorophenol (S)	112			3.410	3.410	(0.734)	554814	112.703	112.7 (R)
\$ 7 Phenol-d5 (S)	99			4.427	4.428	(0.953)	623014	101.786	101.8 (R)
8 Phenol	94			4.439	4.446	(0.956)	660263	101.213	101.2
6 bis(2-Chloroethyl)ether	93			4.410	4.410	(0.949)	513412	105.192	105.2
9 2-Chlorophenol	128			4.492	4.493	(0.967)	598343	101.629	101.6
10 1,3-Dichlorobenzene	146			4.598	4.604	(0.990)	661451	100.572	100.6
* 11 1,4-Dichlorobenzene-d4 (IS)	152			4.645	4.646	(1.000)	171416	40.0000	
12 1,4-Dichlorobenzene	146			4.663	4.663	(1.004)	674323	101.986	102.0
14 Benzyl Alcohol	108			4.874	4.875	(1.049)	353805	105.784	105.8
13 1,2-Dichlorobenzene	146			4.874	4.875	(1.049)	619613	101.304	101.3
18 2-Methylphenol	108			5.080	5.087	(1.094)	517802	107.319	107.3
15 bis(2chlorolmethylethyl) ether	45			5.021	5.028	(1.081)	711601	114.076	114.1
16 2,2'-Oxybis(1-chloropropane)	45			5.021	5.028	(1.081)	711601	114.076	114.1
17 bis(2-Chloroisopropyl)ether	45			5.021	5.028	(1.081)	711601	114.076	114.1
22 3&4-Methylphenol	108			5.292	5.298	(1.139)	549276	103.899	103.9
20 N-Nitroso-di-n-propylamine	70			5.204	5.204	(1.120)	360984	103.159	103.2
21 Hexachloroethane	117			5.245	5.246	(1.129)	222256	104.448	104.4
\$ 23 Nitrobenzene-d5 (S)	82			5.374	5.381	(0.824)	543392	106.361	106.4

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN (ug/ml)	FINAL (ug/L)
24 Nitrobenzene	77	5.404	5.404	(0.829)	525256	102.096	102.1
25 Isophorone	82	5.745	5.751	(0.881)	997868	101.620	101.6
26 2-Nitrophenol	139	5.898	5.898	(0.904)	343709	102.646	102.6
27 2,4-Dimethylphenol	122	6.074	6.081	(0.931)	537821	106.887	106.9
31 Benzoic Acid	122	6.451	6.434	(0.989)	373887	130.004	130.0 (R)
28 bis(2-Chloroethoxy)methane	93	6.174	6.175	(0.947)	646828	106.680	106.7
29 2,4-Dichlorophenol	162	6.386	6.387	(0.979)	538608	104.092	104.1
30 1,2,4-Trichlorobenzene	180	6.457	6.457	(0.990)	576524	102.573	102.6
* 32 Naphthalene-d8 (IS)	136	6.521	6.522	(1.000)	700041	40.0000	
33 Naphthalene	128	6.563	6.563	(1.006)	1782741	100.601	100.6
35 4-Chloroaniline	127	6.815	6.822	(1.045)	714970	108.777	108.8
36 Hexachlorobutadiene	225	6.963	6.969	(1.068)	376207	112.273	112.3
39 4-Chloro-3-methylphenol	107	8.157	8.175	(1.251)	475061	101.679	101.7 (M)
38 2-Methylnaphthalene	142	8.151	8.151	(1.250)	1614900	97.6377	97.64
40 1-Methylnaphthalene	142	8.368	8.375	(1.283)	1156844	95.3829	95.38
42 Hexachlorocyclopentadiene	237	8.615	8.616	(0.871)	316957	98.9214	98.92
43 2,4,6-Trichlorophenol	196	8.839	8.845	(0.894)	418471	105.019	105.0
45 2,4,5-Trichlorophenol	196	8.945	8.951	(0.905)	416731	101.425	101.4
\$ 44 2-Fluorobiphenyl (S)	172	8.933	8.934	(0.904)	1392209	103.595	103.6
46 2-Chloronaphthalene	162	9.045	9.045	(0.915)	1187059	105.085	105.1
49 2-Nitroaniline	65	9.357	9.357	(0.946)	278403	107.094	107.1
50 Dimethylphthalate	163	9.674	9.669	(0.979)	1231708	97.1152	97.12
51 Acenaphthylene	152	9.674	9.675	(0.979)	1784841	95.7319	95.73
52 2,6-Dinitrotoluene	165	9.756	9.757	(0.987)	328414	113.960	114.0
55 3-Nitroaniline	138	9.956	9.957	(1.007)	340421	112.755	112.8
* 53 Acenaphthene-d10 (IS)	164	9.886	9.886	(1.000)	414421	40.0000	
54 Acenaphthene	153	9.933	9.933	(1.005)	1197198	100.566	100.6
56 2,4-Dinitrophenol	184	10.068	10.069	(1.018)	224468	106.537	106.5
59 4-Nitrophenol	109	10.327	10.328	(1.045)	158461	113.571	113.6
57 Dibenzofuran	168	10.145	10.139	(1.026)	1659298	98.4549	98.45
58 2,4-Dinitrotoluene	165	10.256	10.257	(1.037)	435733	110.072	110.1
60 Diethylphthalate	149	10.562	10.557	(1.068)	1171820	97.0804	97.08
61 Fluorene	166	10.562	10.563	(1.068)	1312549	99.5240	99.52
62 4-Chlorophenyl-phenylether	204	10.592	10.586	(1.071)	692422	101.761	101.8
64 4-Nitroaniline	138	10.727	10.728	(1.085)	335541	105.510	105.5
63 4,6-Dinitro-2-methylphenol	198	10.733	10.728	(0.925)	304634	113.156	113.2
65 N-Nitrosodiphenylamine	169	10.756	10.757	(0.927)	1143528	118.304	118.3
66 1,2-Diphenylhydrazine	77	10.768	10.769	(0.928)	1122389	100.757	100.8
\$ 67 2,4,6-Tribromophenol (S)	330	10.892	10.892	(0.939)	249642	107.194	107.2
68 4-Bromophenyl-phenylether	248	11.139	11.133	(0.960)	446911	103.615	103.6
69 Hexachlorobenzene	284	11.280	11.280	(0.972)	482820	103.040	103.0
71 Pentachlorophenol	266	11.509	11.510	(0.992)	372963	130.181	130.2 (R)
* 72 Phenanthrene-d10 (IS)	188	11.603	11.604	(1.000)	741101	40.0000	
73 Phenanthrene	178	11.627	11.627	(1.002)	2017471	98.9611	98.96
74 Anthracene	178	11.674	11.675	(1.006)	2091863	102.185	102.2
75 Carbazole	167	11.892	11.892	(1.025)	1890403	100.224	100.2
76 Di-n-butylphthalate	149	12.286	12.286	(1.059)	2110348	100.784	100.8
77 Fluoranthene	202	12.862	12.863	(1.108)	2220648	98.4460	98.44
78 Benzidine	184	13.033	13.033	(1.123)	1071401	225.404	225.4 (R)
79 Pyrene	202	13.086	13.086	(1.128)	2303433	98.4918	98.49
\$ 80 p-Terphenyl-d14 (S)	244	13.256	13.257	(1.142)	1665709	107.863	107.9
81 Butylbenzylphthalate	149	13.786	13.780	(0.959)	968999	105.101	105.1
82 Benzo(a)anthracene	228	14.350	14.351	(0.998)	2376040	102.272	102.3
83 3,3'-Dichlorobenzidine	252	14.368	14.368	(1.000)	853824	124.272	124.3

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN (ug/ml)	FINAL (ug/L)
* 84 Chrysene-d12 (IS)	240	14.374	14.374	(1.000)	866482	40.0000	
85 Chrysene	228	14.403	14.404	(1.002)	2312687	104.370	104.4
86 bis(2-Ethylhexyl)phthalate	149	14.439	14.439	(1.004)	1399133	106.668	106.7
87 Di-n-octylphthalate	149	15.168	15.168	(0.950)	2412214	107.220	107.2
88 Benzo(b)fluoranthene	252	15.597	15.598	(0.976)	2635482	107.019	107.0
89 Benzo(k)fluoranthene	252	15.621	15.621	(0.978)	2554744	95.0053	95.00
90 Benzo(a)pyrene	252	15.921	15.921	(0.997)	2325215	102.628	102.6
* 91 Perylene-d12 (IS)	264	15.974	15.974	(1.000)	818816	40.0000	
92 Indeno(1,2,3-cd)pyrene	276	16.974	16.974	(1.063)	2729163	97.4778	97.48
93 Dibenz(a,h)anthracene	278	16.985	16.986	(1.063)	2315776	101.310	101.3
94 Benzo(g,h,i)perylene	276	17.244	17.245	(1.080)	2470927	101.921	101.9

QC Flag Legend

R - Spike/Surrogate failed recovery limits.
 M - Compound response manually integrated.



Date : 10-JUN-2014 13:45

Client ID:

Instrument: 50MSS3.i

Sample Info: ICV,70293:1

Volume Injected (uL): 1.0

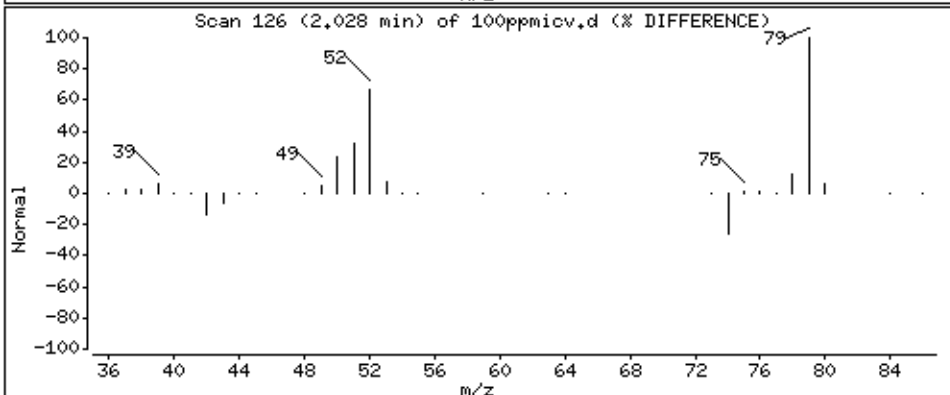
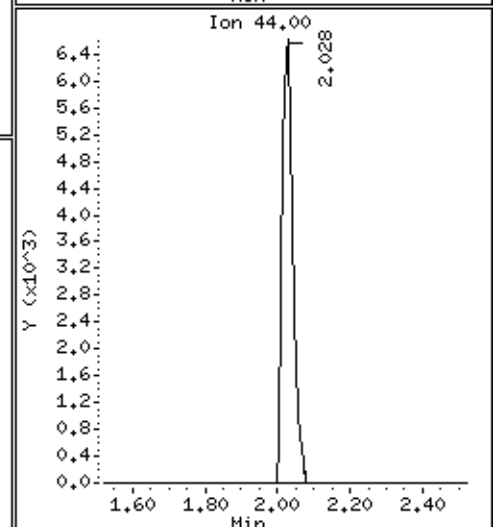
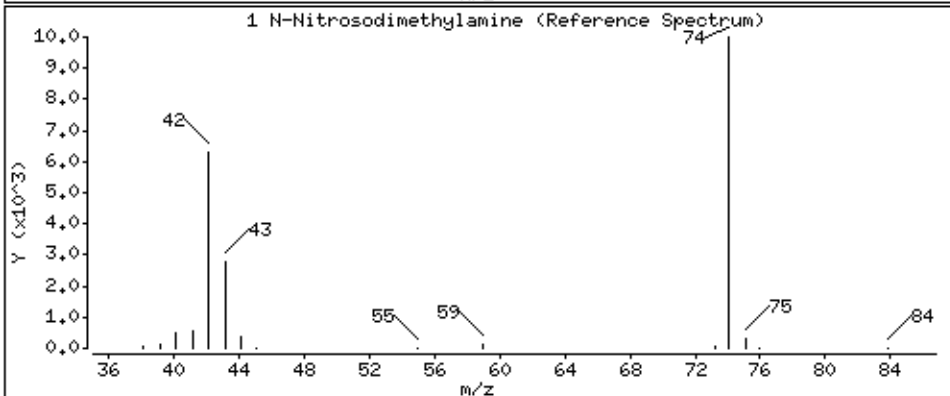
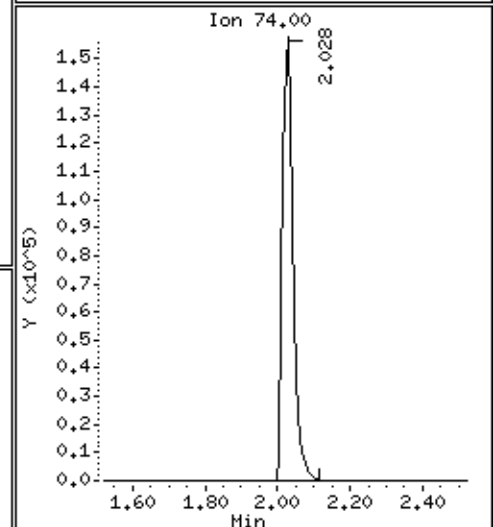
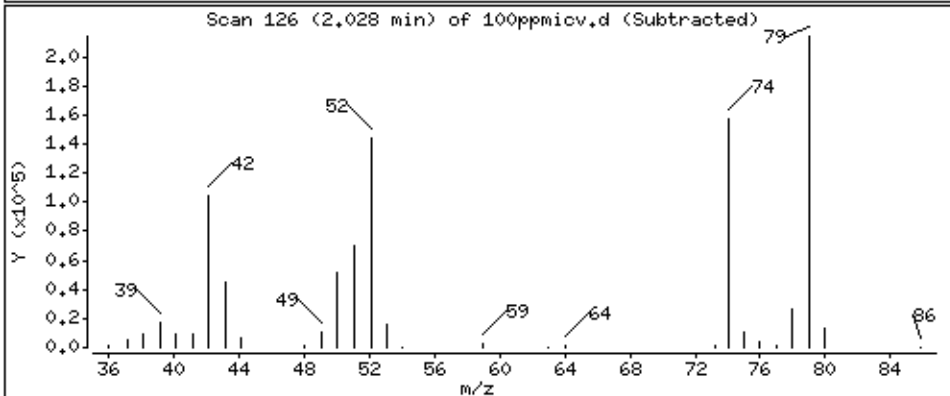
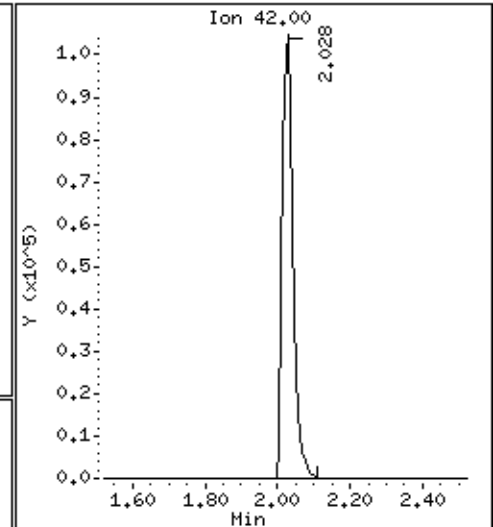
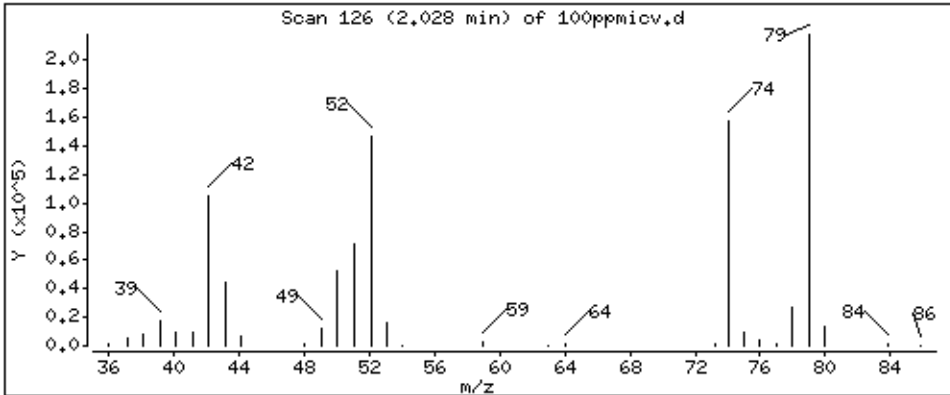
Operator: CEM

Column phase: .50um DB-5ms

Column diameter: 0,25

1 N-Nitrosodimethylamine

Concentration: 101.0 ug/L



Date : 10-JUN-2014 13:45

Client ID:

Instrument: 50MSS3.i

Sample Info: ICV,70293:1

Volume Injected (uL): 1.0

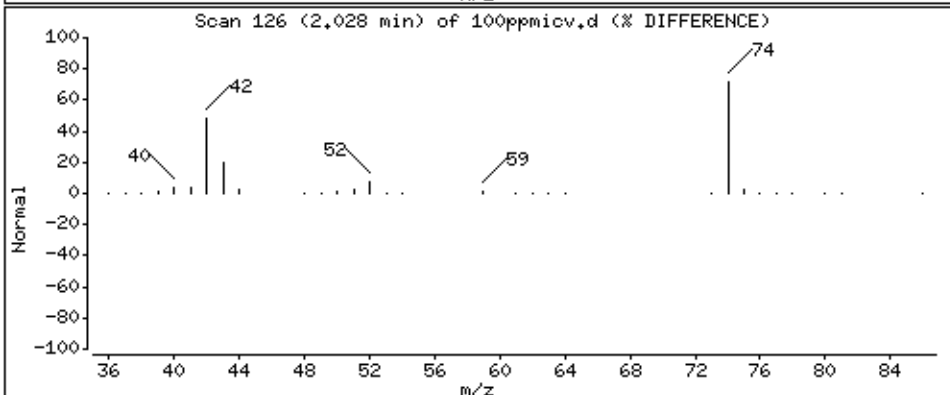
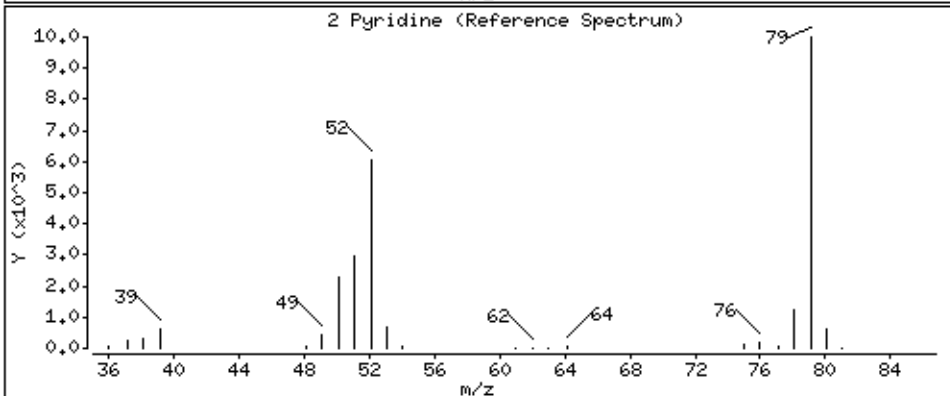
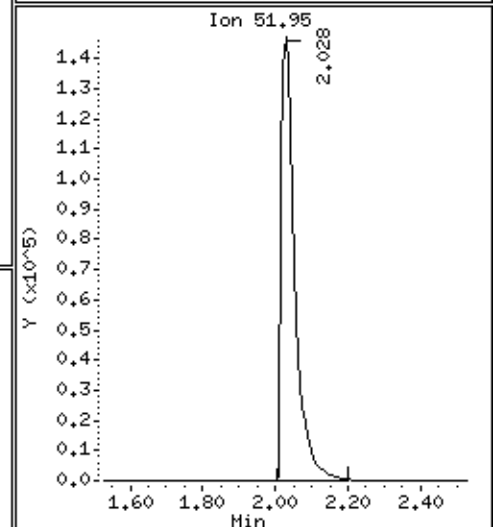
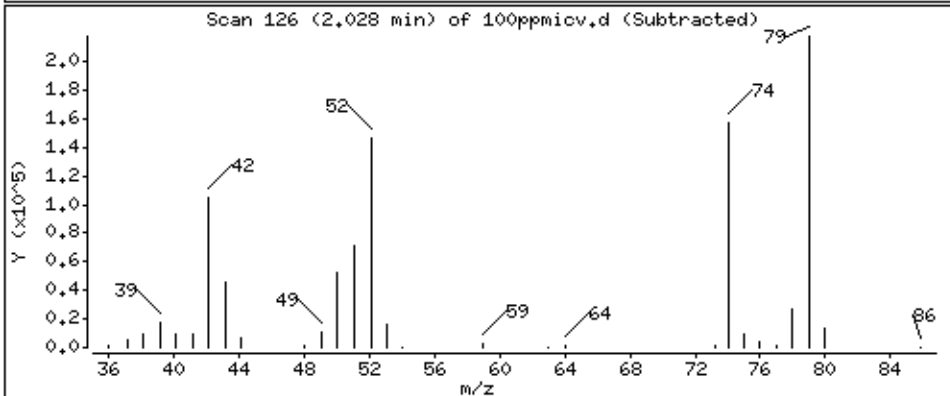
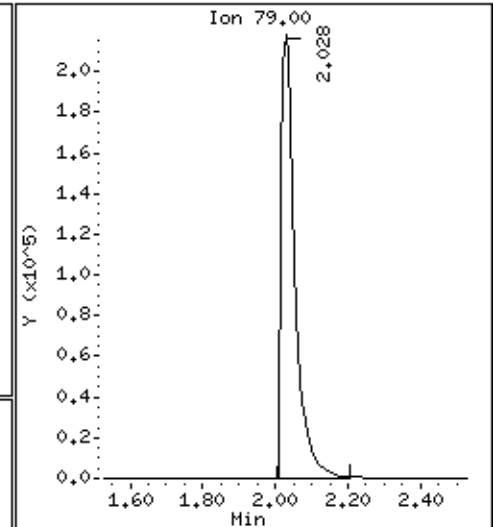
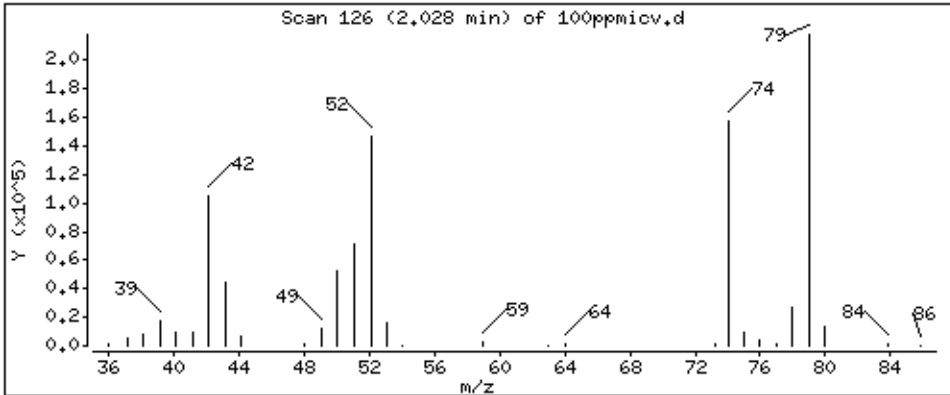
Operator: CEM

Column phase: .50um DB-5ms

Column diameter: 0,25

2 Pyridine

Concentration: 108,0 ug/L



Date : 10-JUN-2014 13:45

Client ID:

Instrument: 50MSS3.i

Sample Info: ICV,70293:1

Volume Injected (uL): 1.0

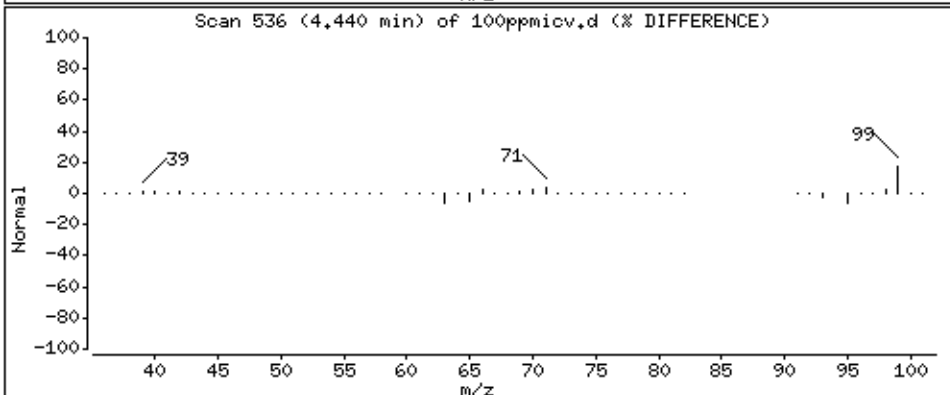
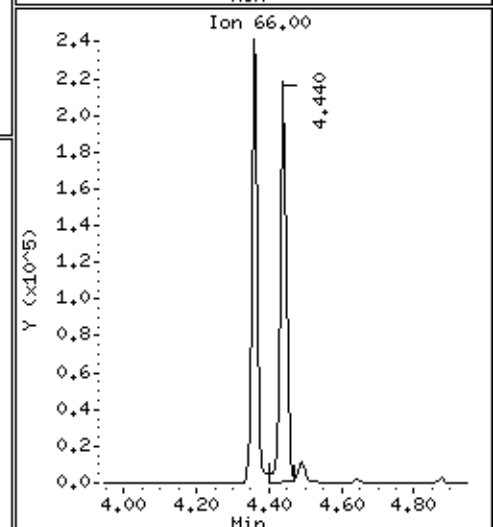
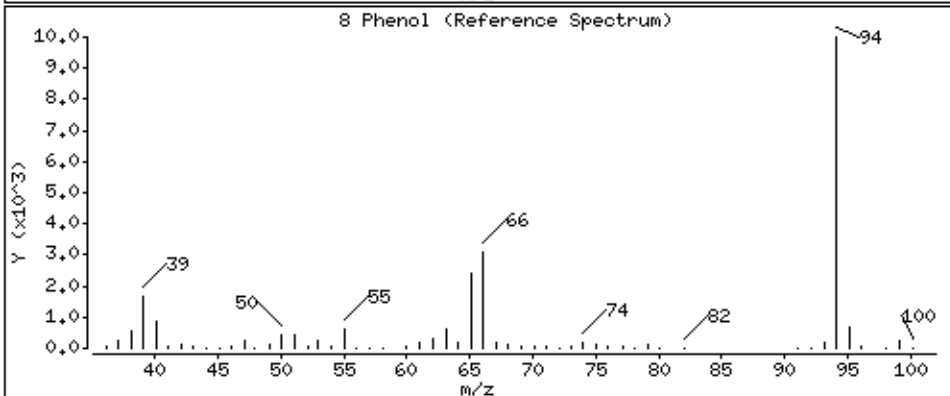
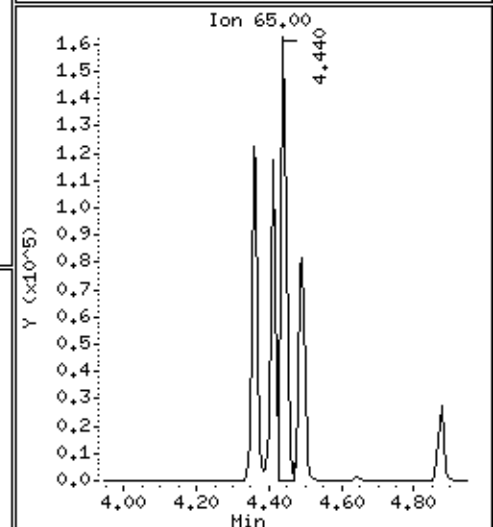
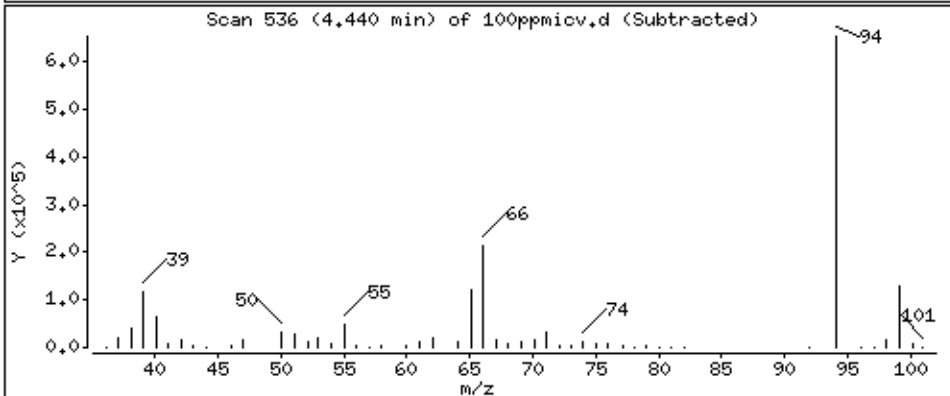
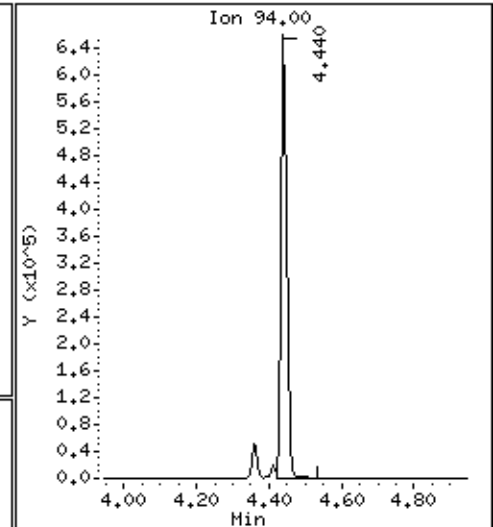
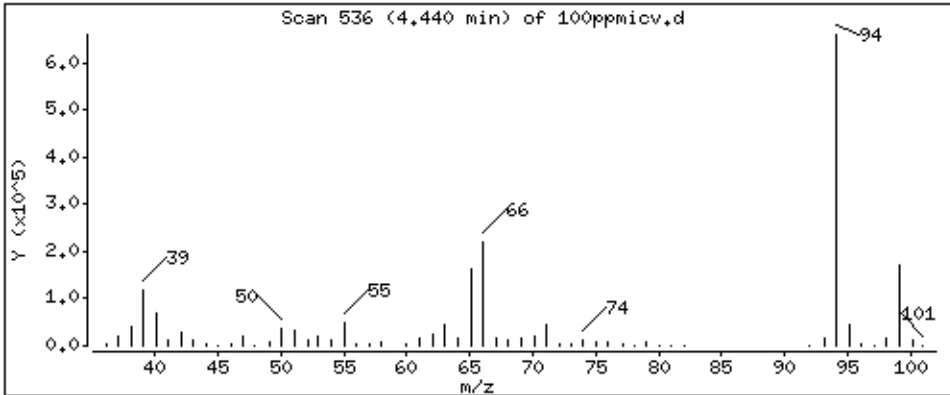
Operator: CEM

Column phase: .50um DB-5ms

Column diameter: 0,25

8 Phenol

Concentration: 101.2 ug/L



Date : 10-JUN-2014 13:45

Client ID:

Instrument: 50MSS3.i

Sample Info: ICV,70293:1

Volume Injected (uL): 1.0

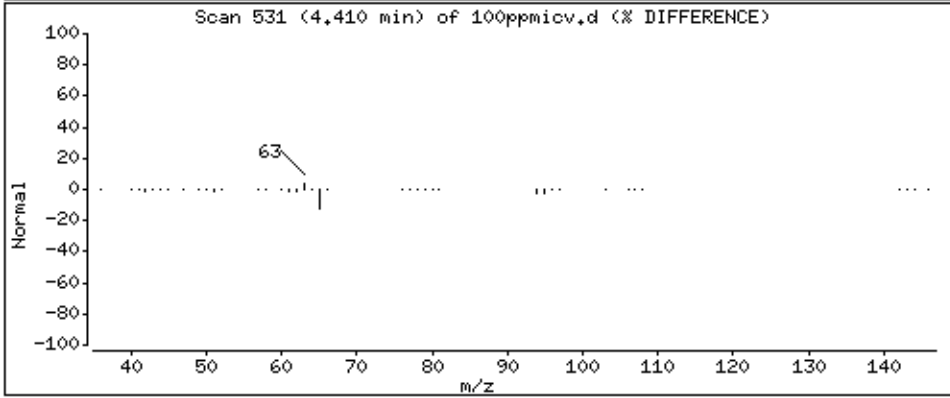
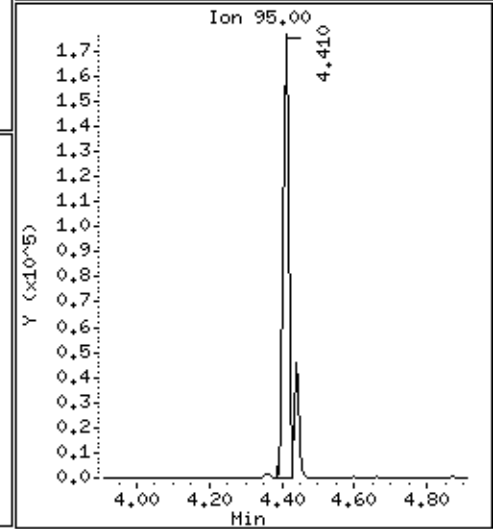
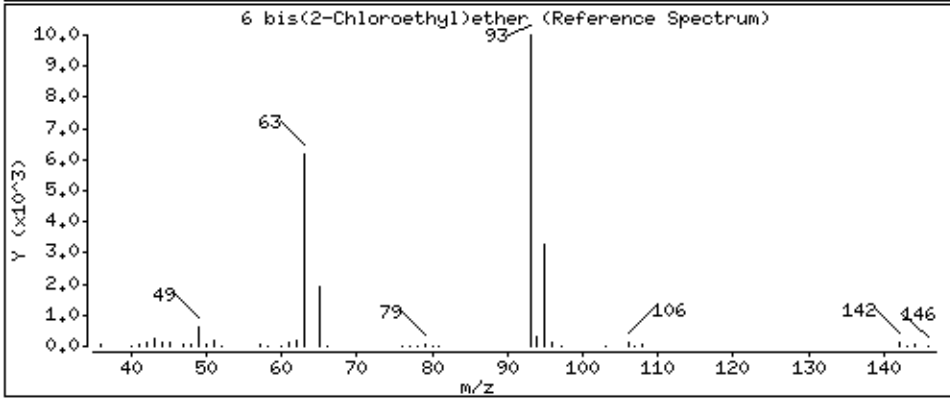
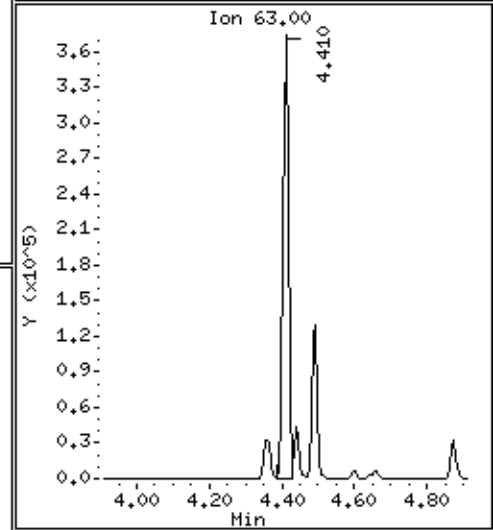
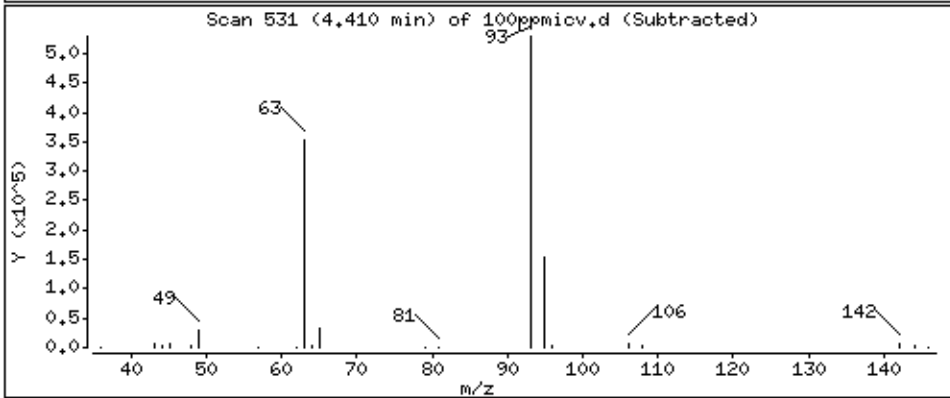
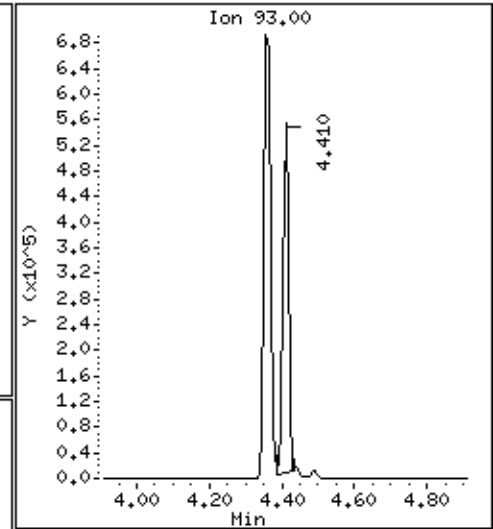
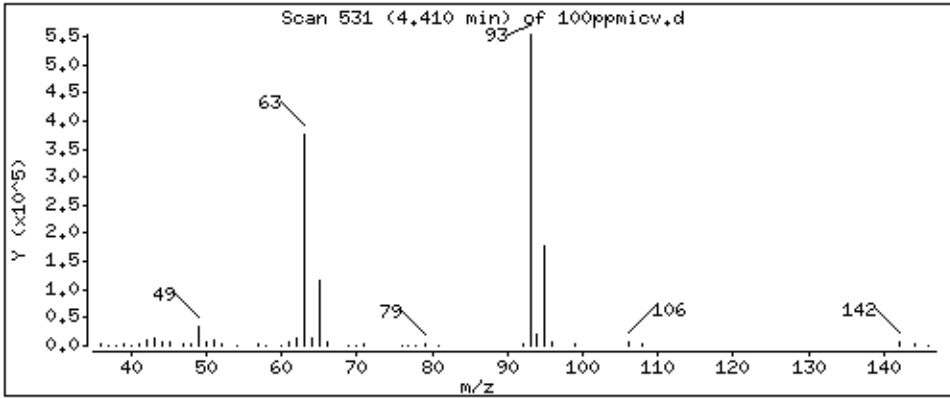
Operator: CEM

Column phase: .50um DB-5ms

Column diameter: 0,25

6 bis(2-Chloroethyl)ether

Concentration: 105,2 ug/L



Date : 10-JUN-2014 13:45

Client ID:

Instrument: 50MSS3.i

Sample Info: ICV,70293:1

Volume Injected (uL): 1.0

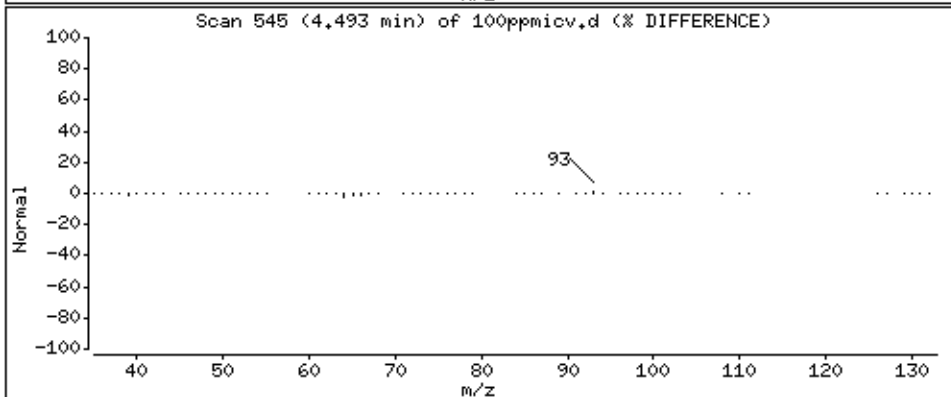
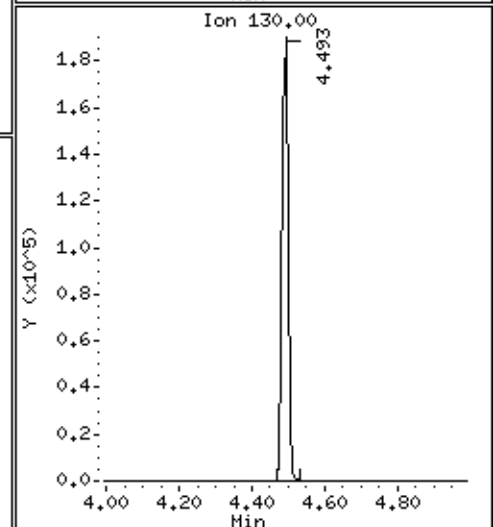
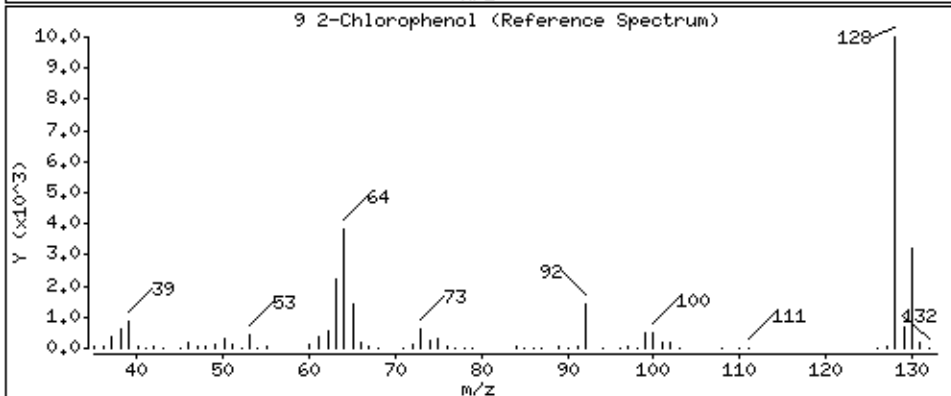
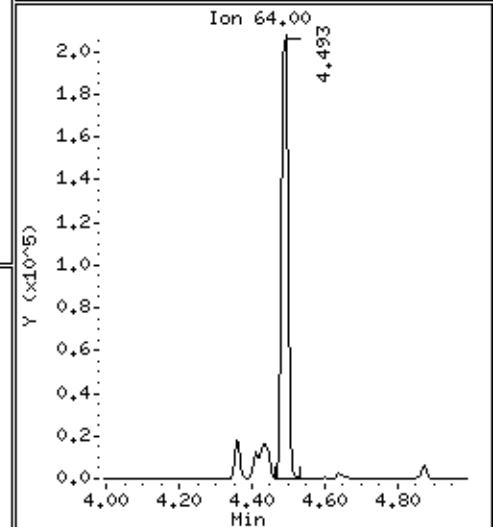
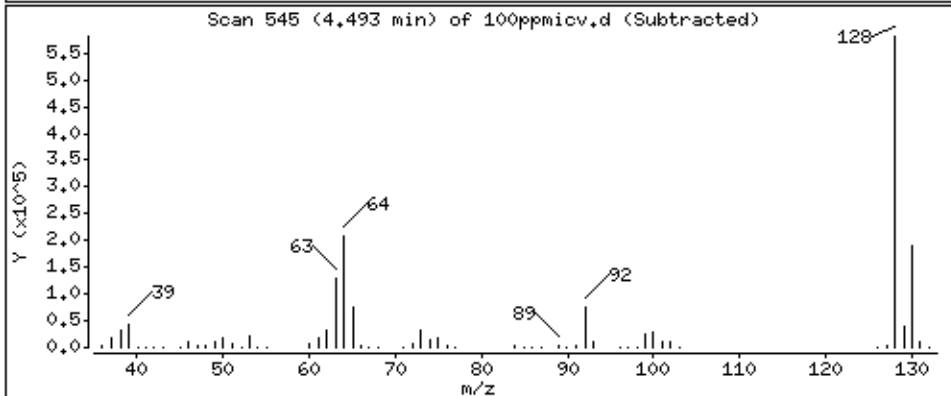
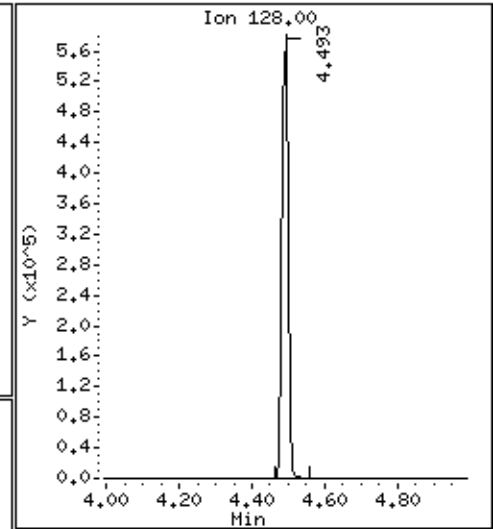
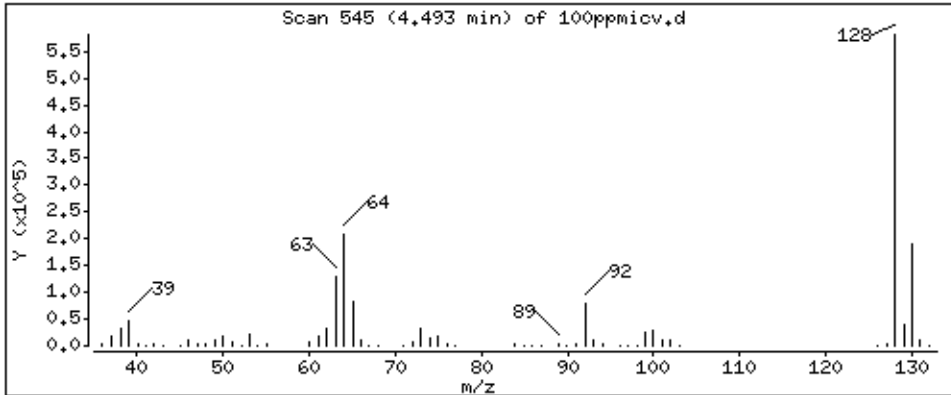
Operator: CEM

Column phase: .50um DB-5ms

Column diameter: 0,25

9 2-Chlorophenol

Concentration: 101.6 ug/L



Date : 10-JUN-2014 13:45

Client ID:

Instrument: 50MSS3.i

Sample Info: ICV,70293:1

Volume Injected (uL): 1.0

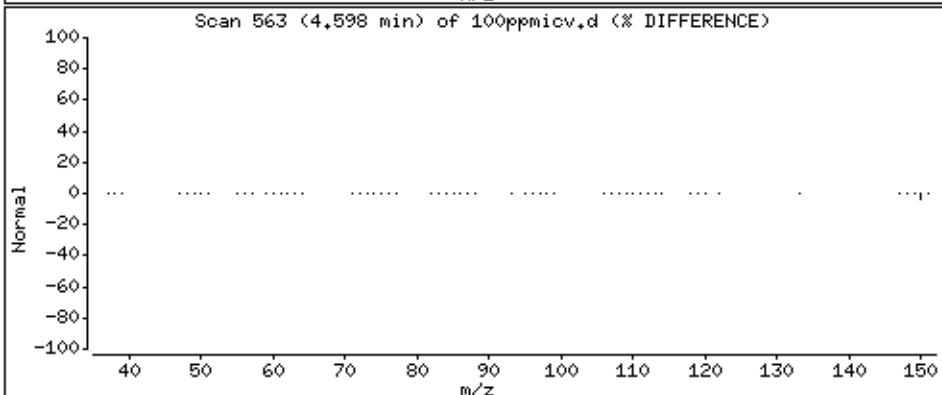
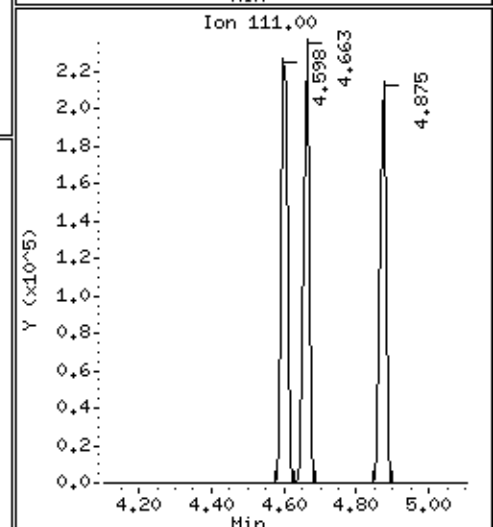
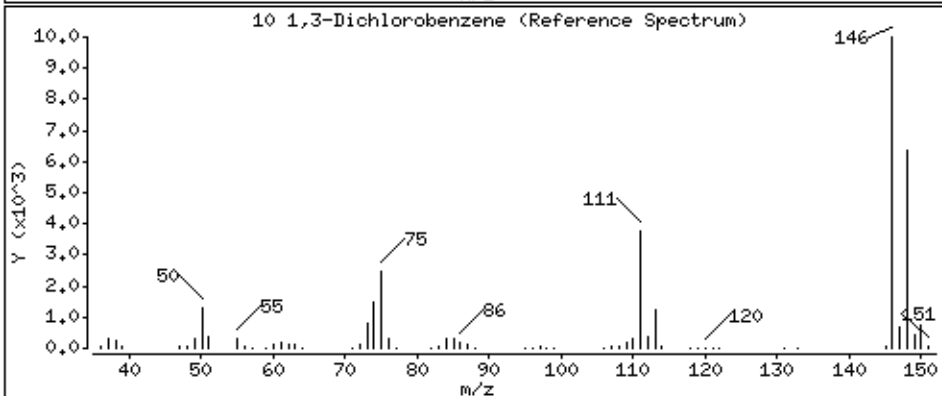
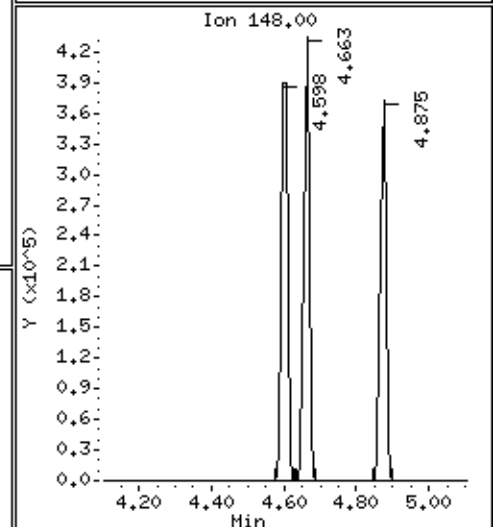
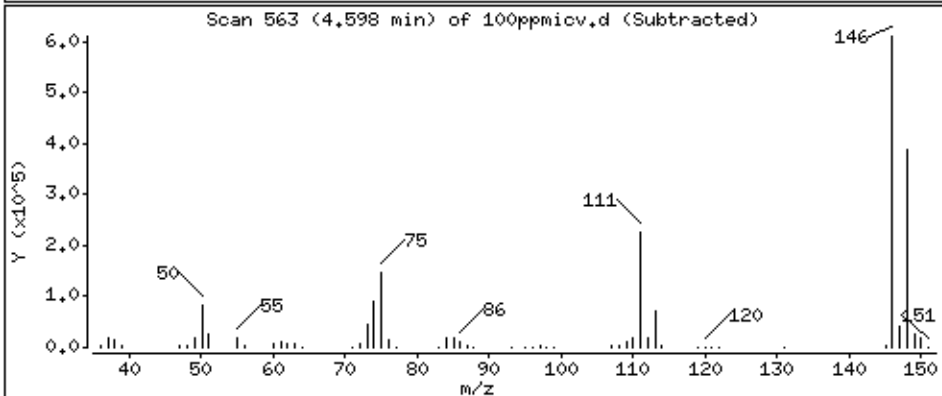
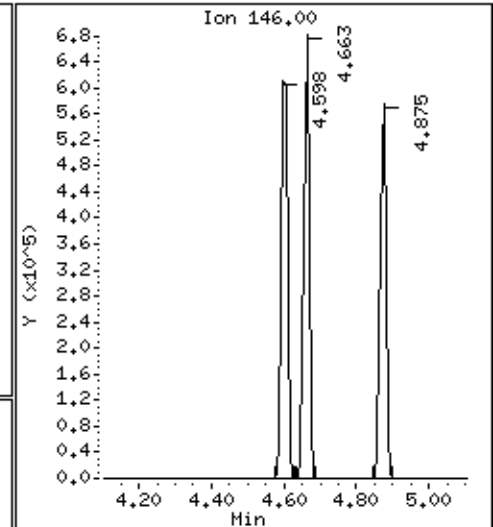
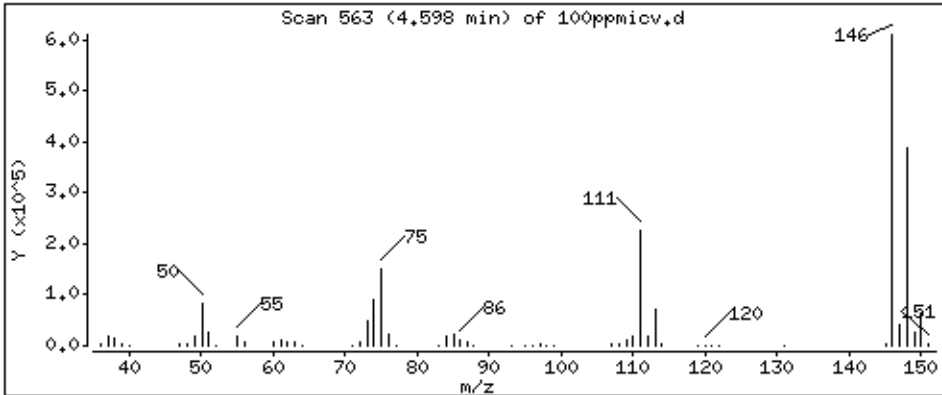
Operator: CEM

Column phase: .50um DB-5ms

Column diameter: 0,25

10 1,3-Dichlorobenzene

Concentration: 100,6 ug/L



Date : 10-JUN-2014 13:45

Client ID:

Instrument: 50MSS3.i

Sample Info: ICV,70293:1

Volume Injected (uL): 1.0

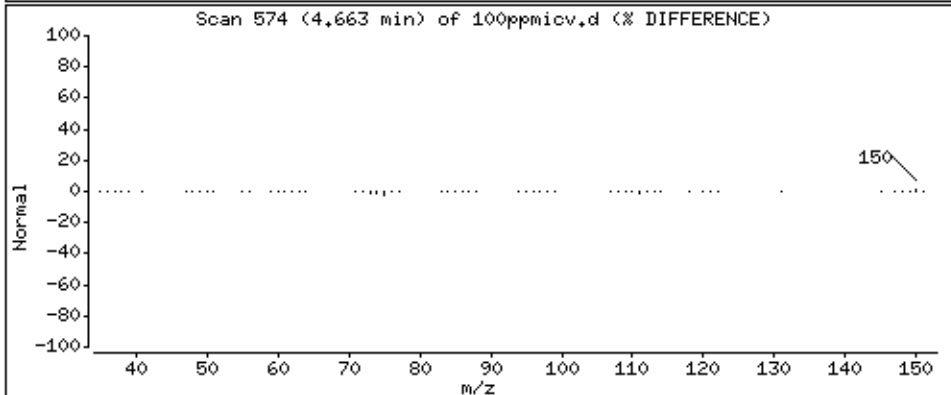
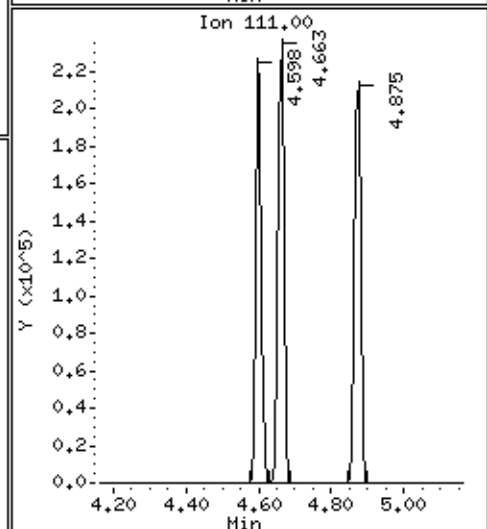
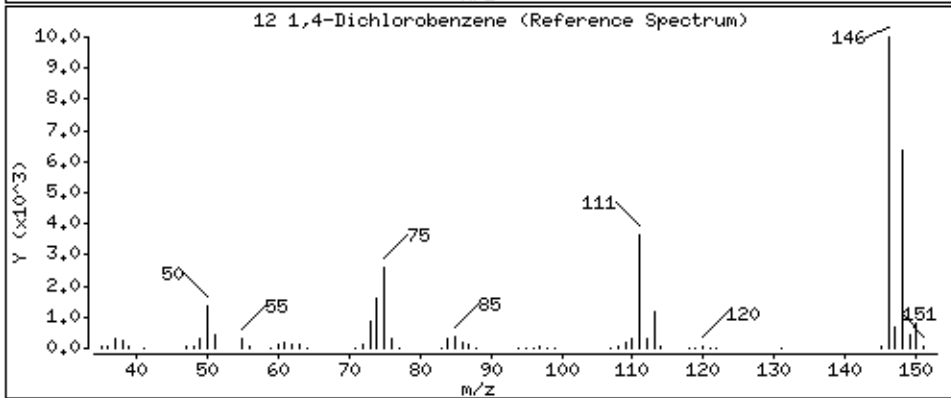
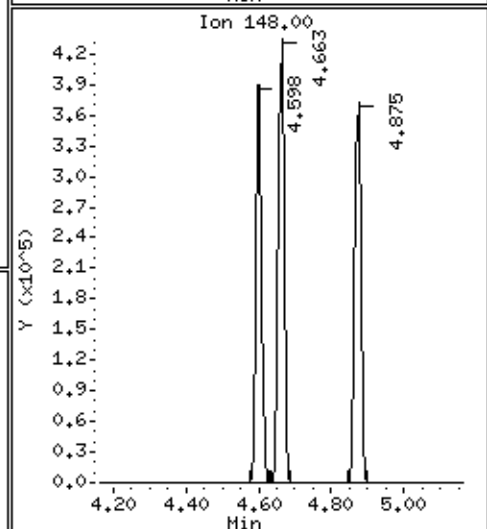
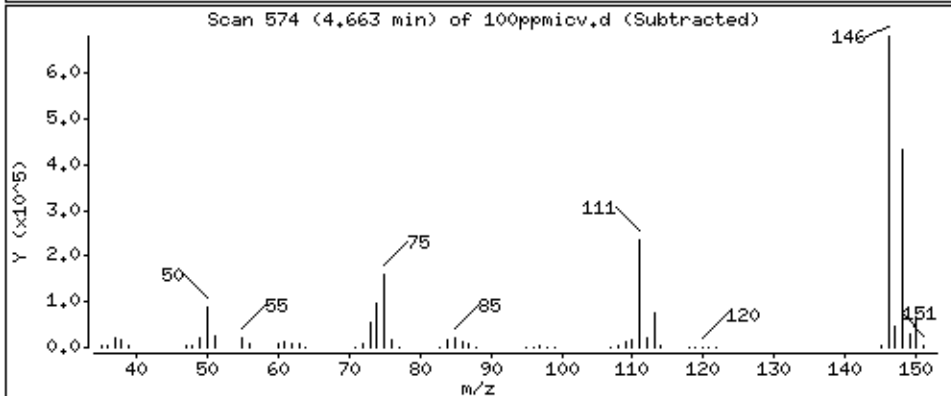
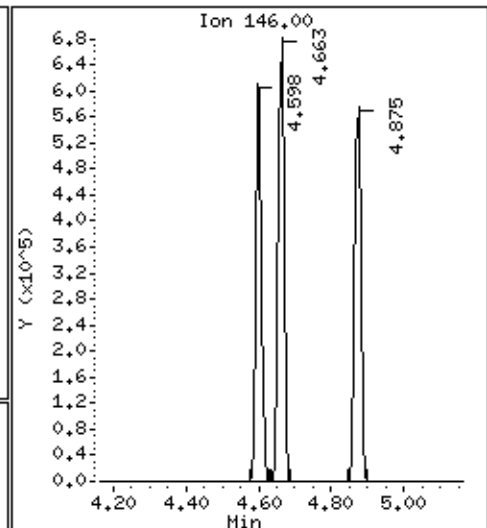
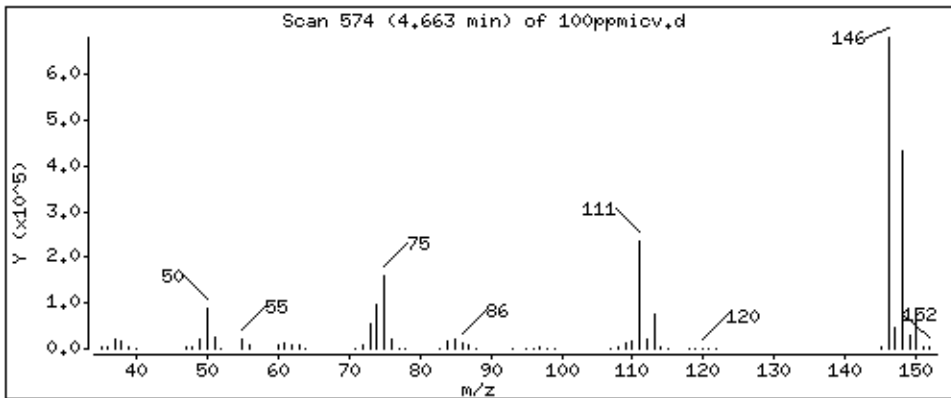
Operator: CEM

Column phase: .50um DB-5ms

Column diameter: 0,25

12 1,4-Dichlorobenzene

Concentration: 102.0 ug/L



Date : 10-JUN-2014 13:45

Client ID:

Instrument: 50MSS3.i

Sample Info: ICV,70293:1

Volume Injected (uL): 1.0

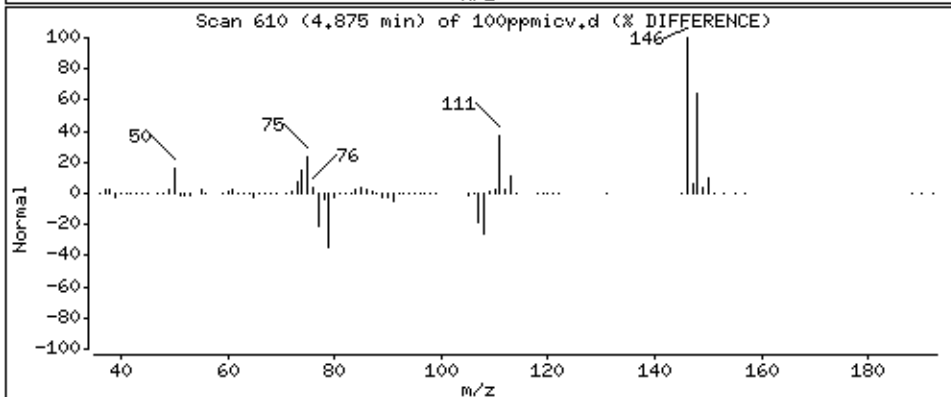
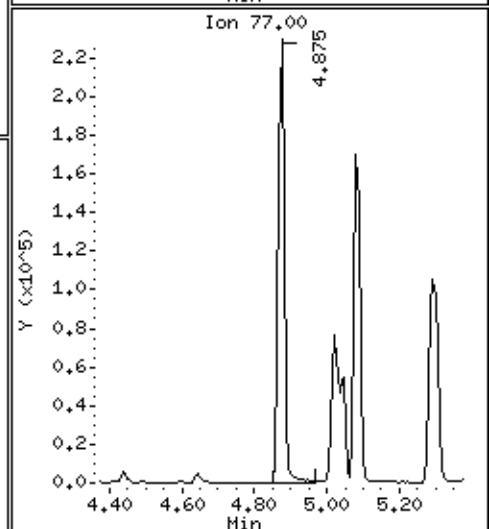
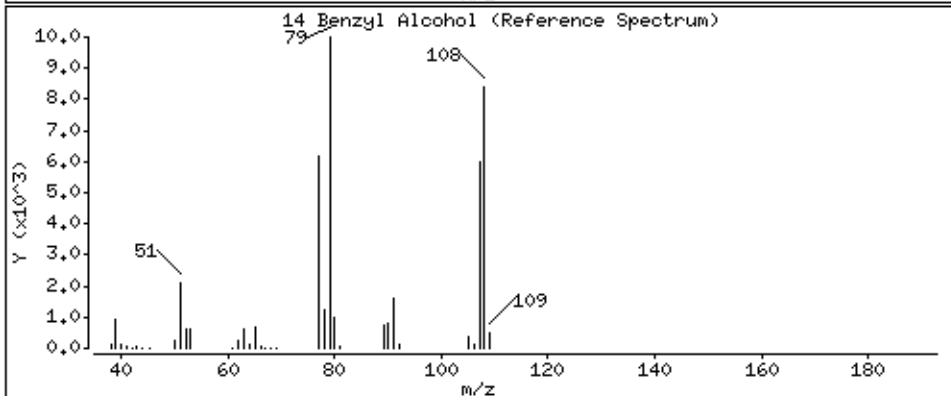
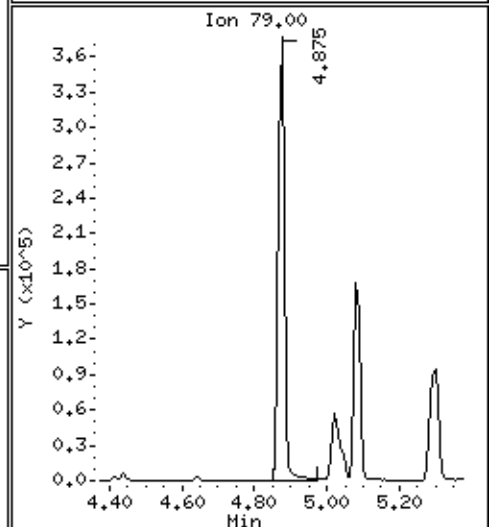
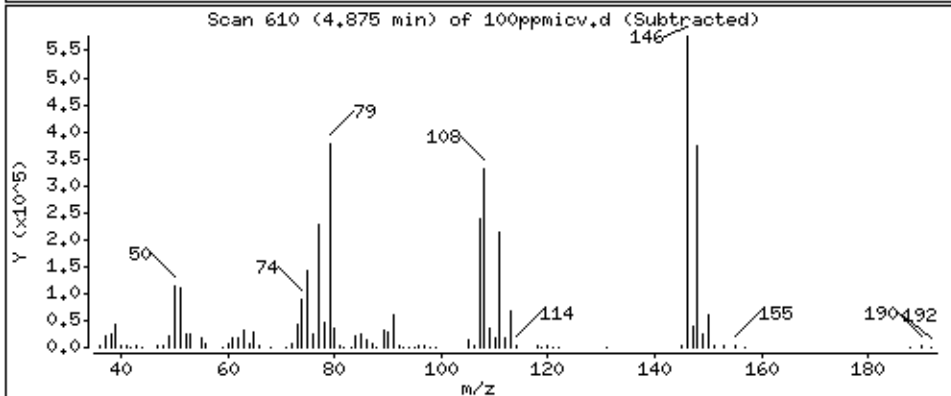
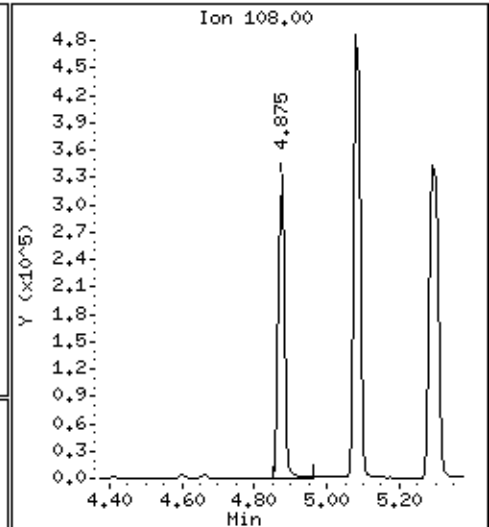
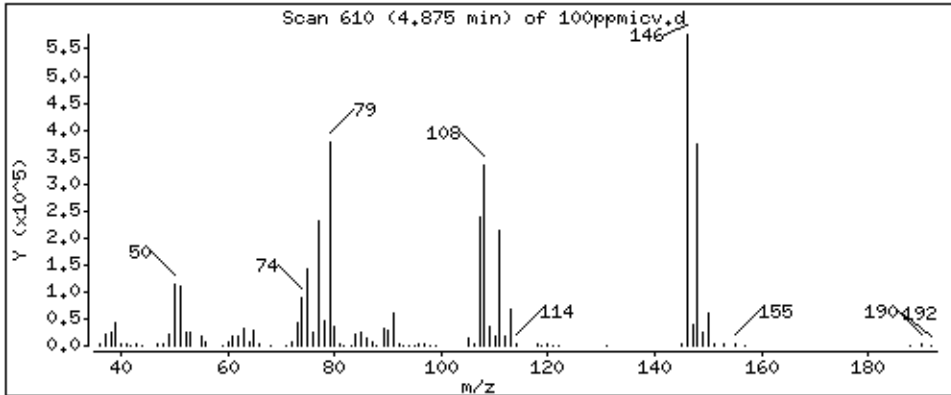
Operator: CEM

Column phase: .50um DB-5ms

Column diameter: 0,25

14 Benzyl Alcohol

Concentration: 105,8 ug/L



Date : 10-JUN-2014 13:45

Client ID:

Instrument: 50MSS3.i

Sample Info: ICV,70293:1

Volume Injected (uL): 1.0

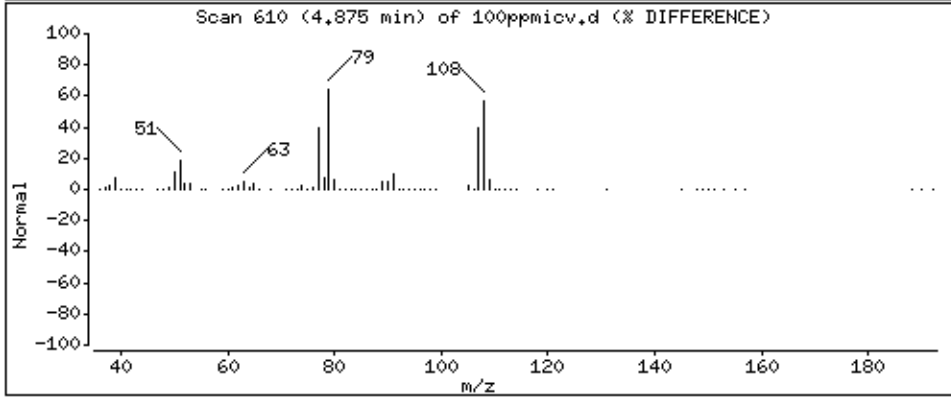
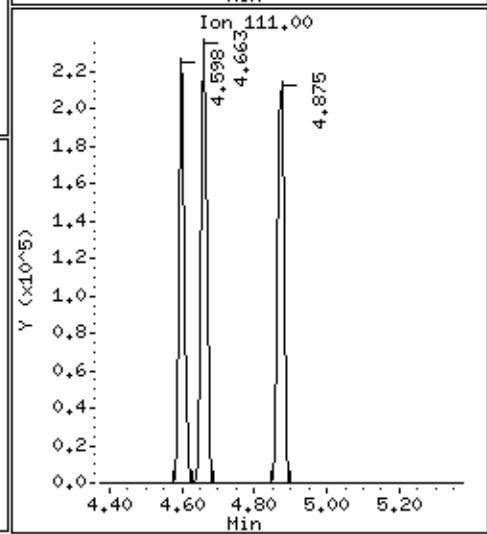
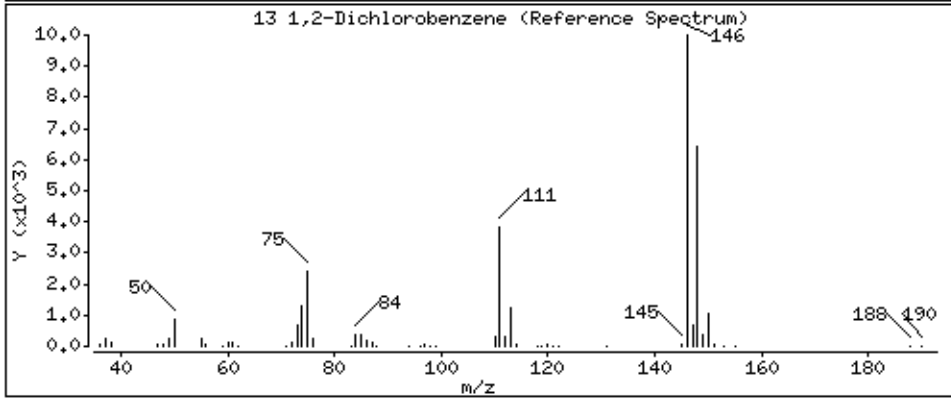
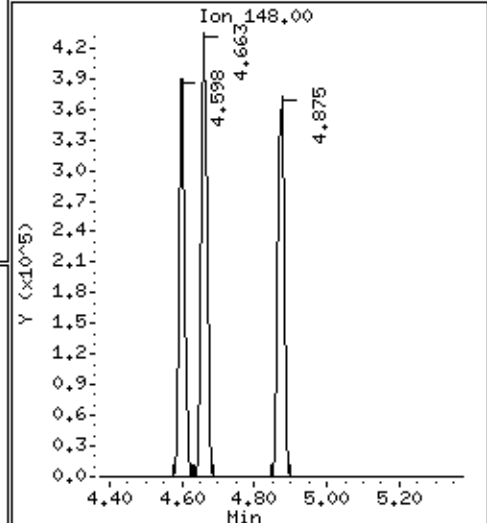
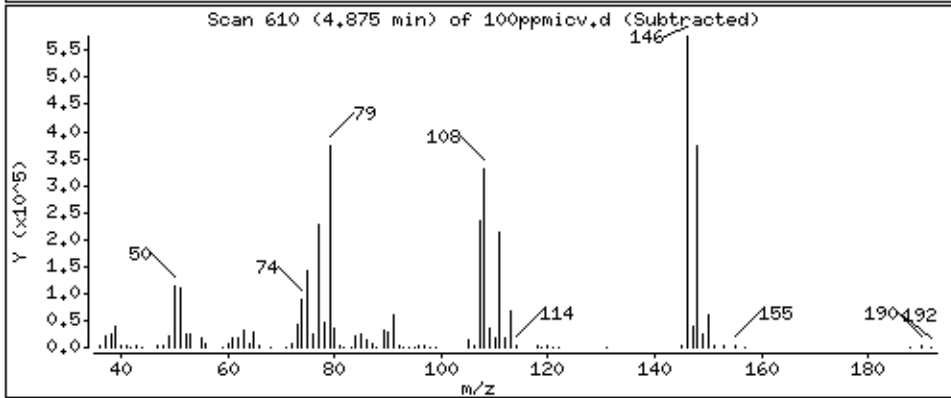
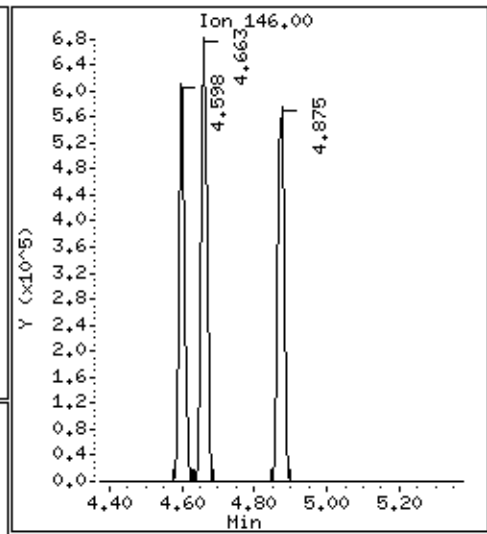
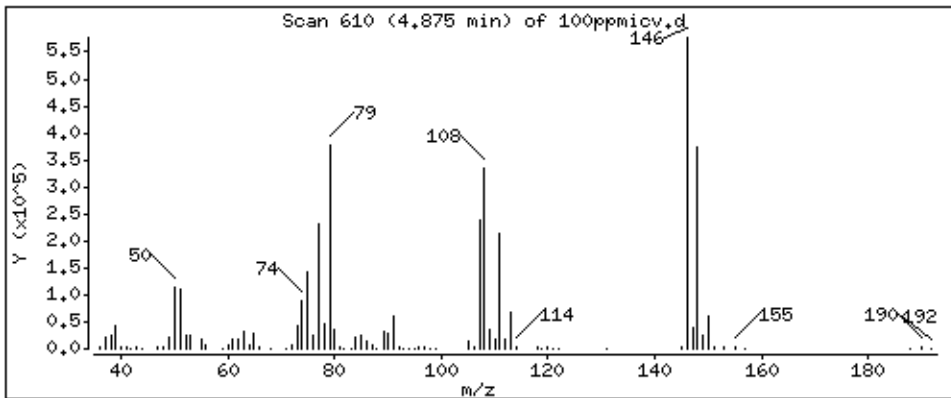
Operator: CEM

Column phase: .50um DB-5ms

Column diameter: 0,25

13 1,2-Dichlorobenzene

Concentration: 101.3 ug/L



Date : 10-JUN-2014 13:45

Client ID:

Instrument: 50MSS3.i

Sample Info: ICV,70293:1

Volume Injected (uL): 1.0

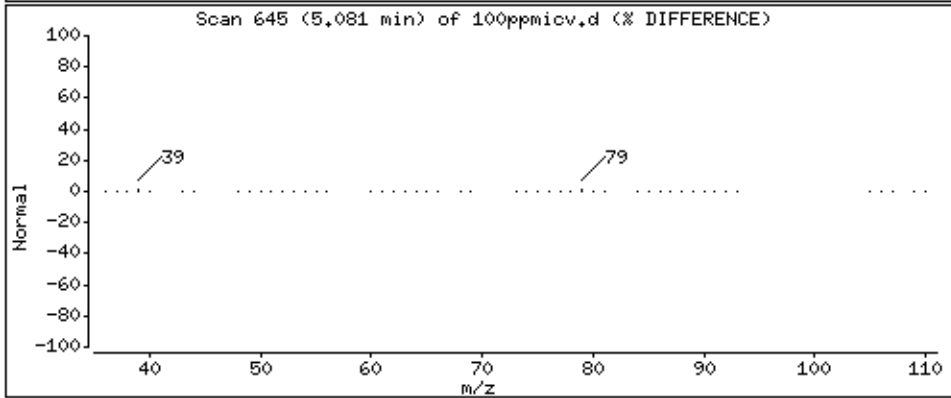
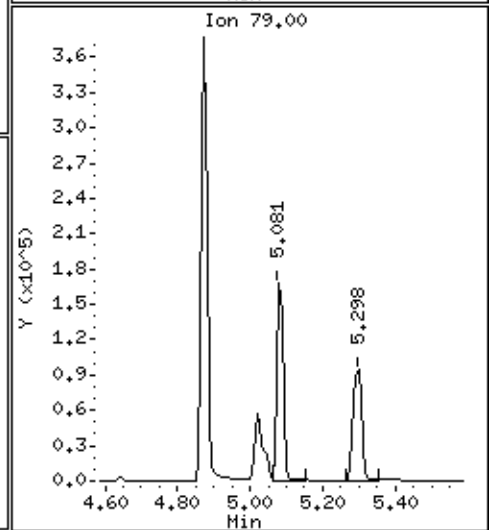
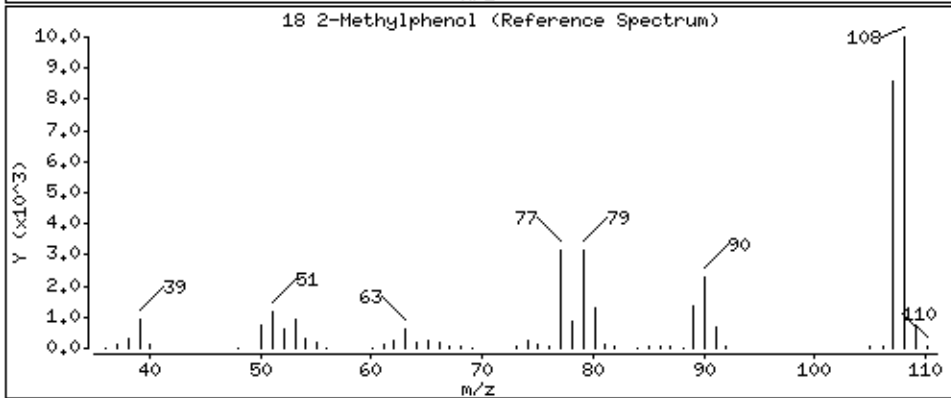
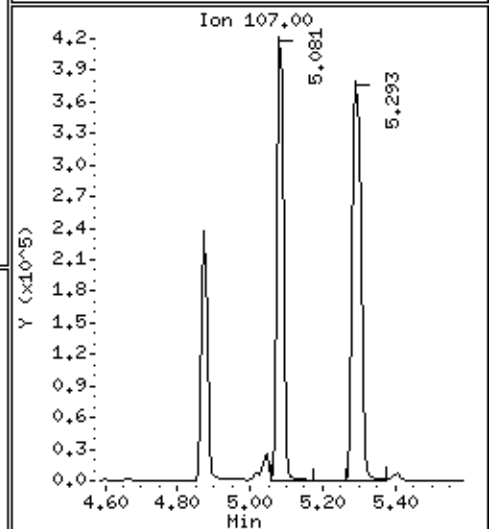
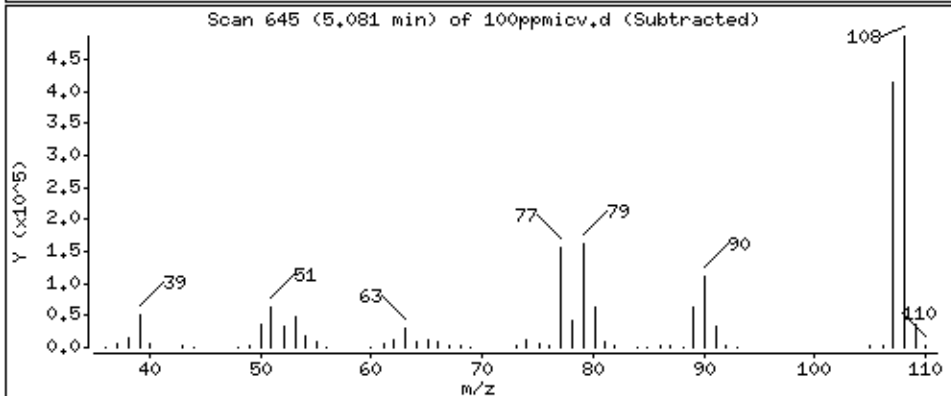
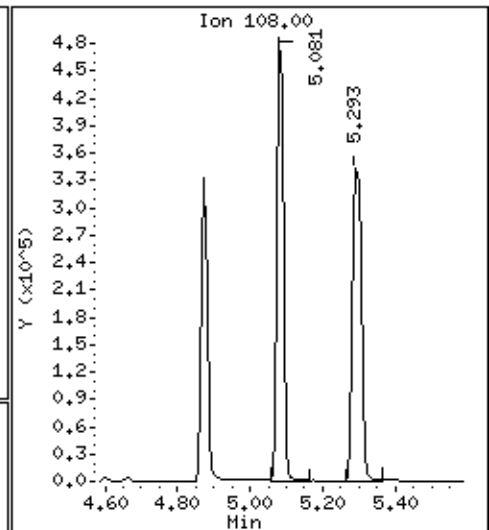
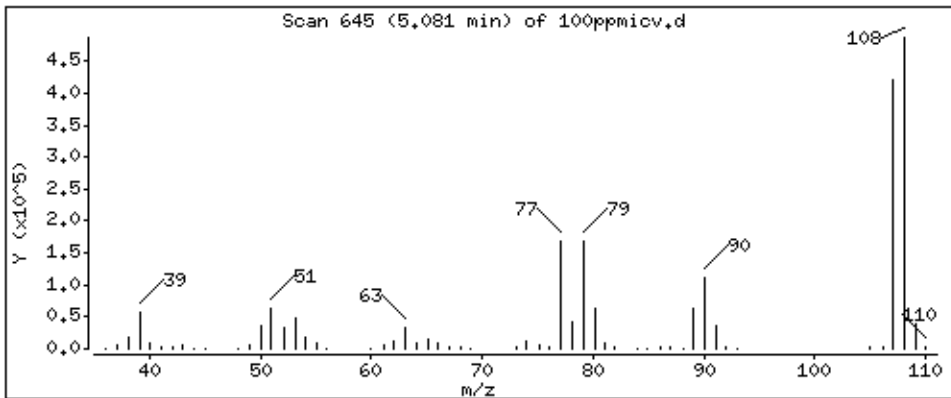
Operator: CEM

Column phase: .50um DB-5ms

Column diameter: 0,25

18 2-Methylphenol

Concentration: 107.3 ug/L



Date : 10-JUN-2014 13:45

Client ID:

Instrument: 50MSS3.i

Sample Info: ICV,70293:1

Volume Injected (uL): 1.0

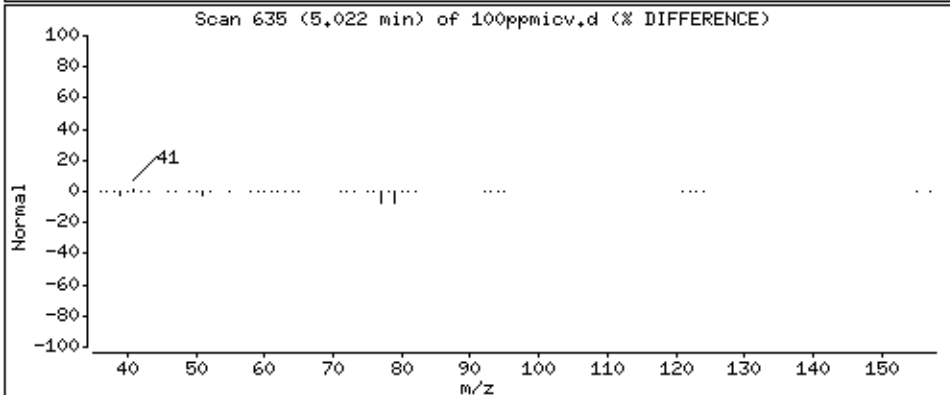
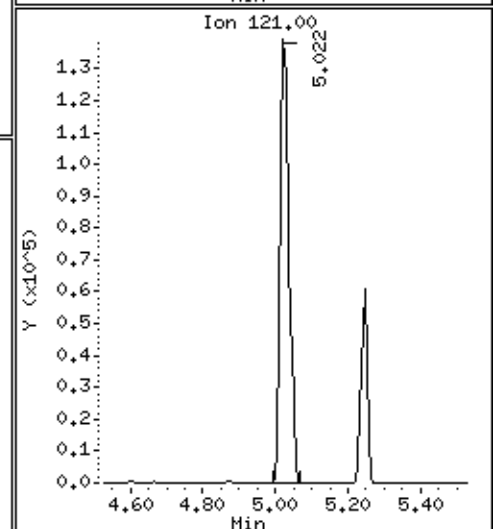
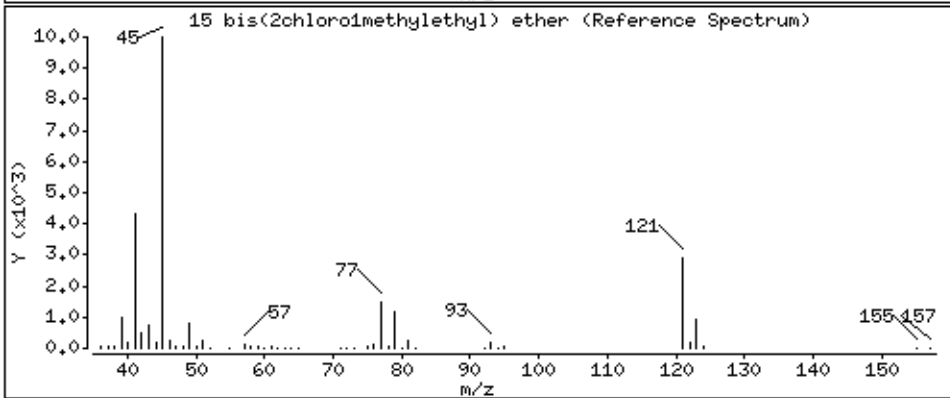
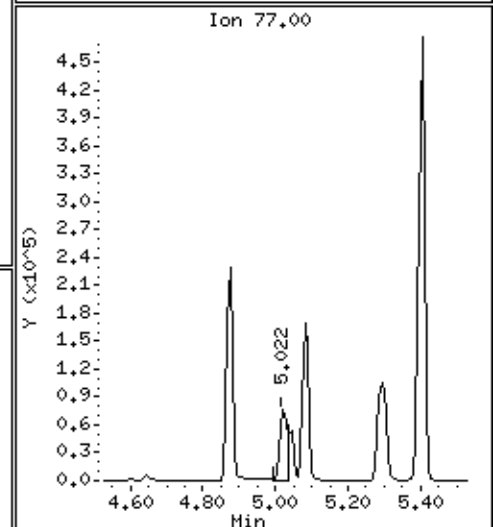
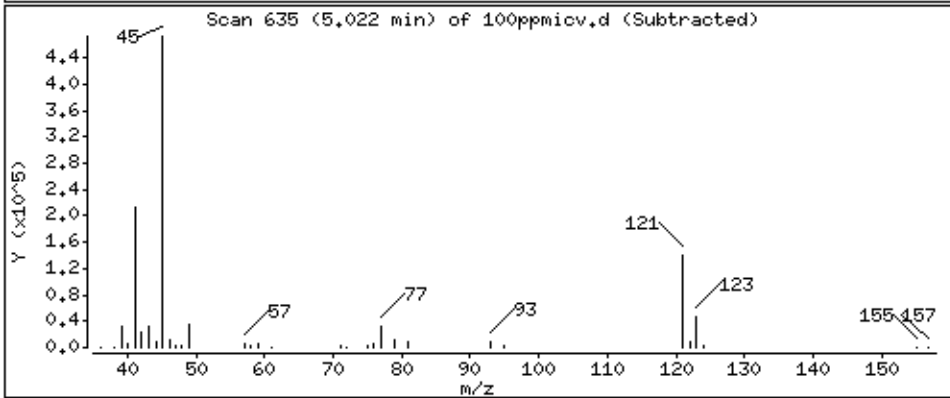
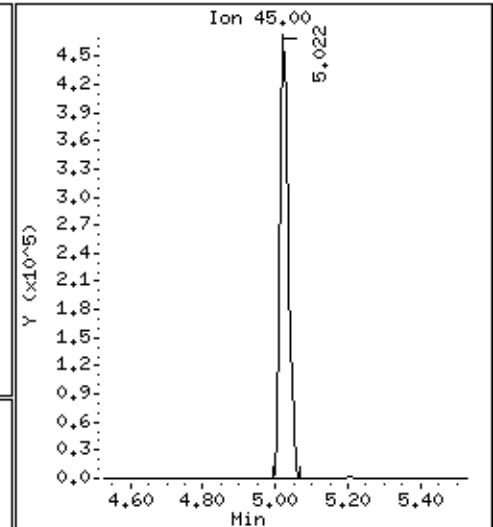
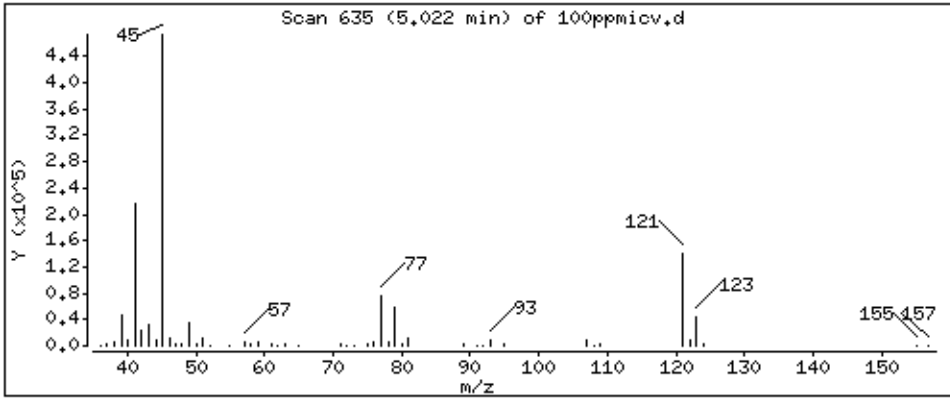
Operator: CEM

Column phase: .50um DB-5ms

Column diameter: 0,25

15 bis(2chloromethylethyl) ether

Concentration: 114.1 ug/L



Date : 10-JUN-2014 13:45

Client ID:

Instrument: 50MSS3.i

Sample Info: ICV,70293:1

Volume Injected (uL): 1.0

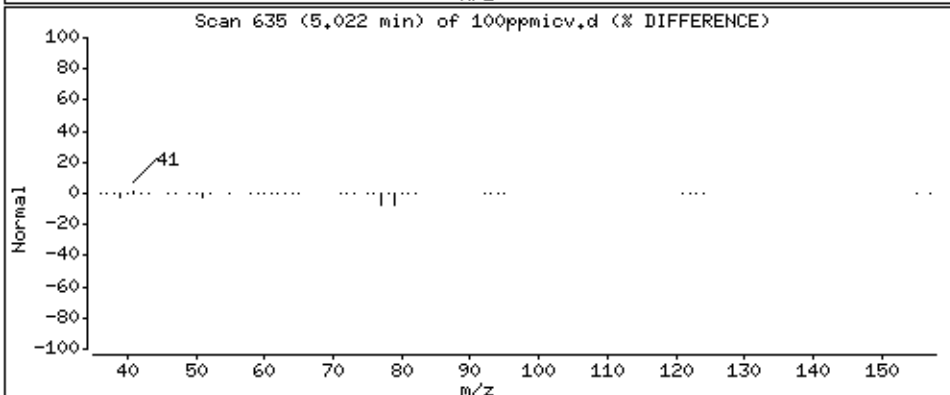
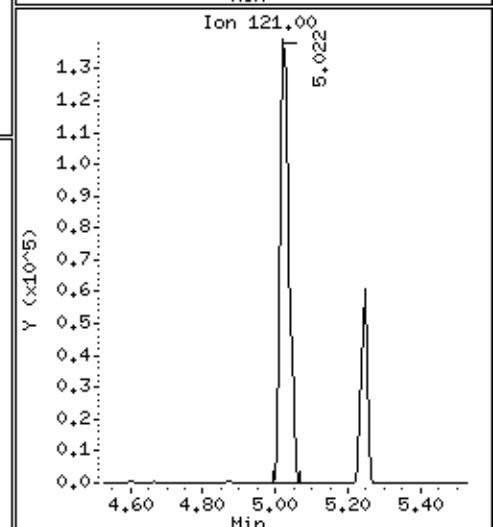
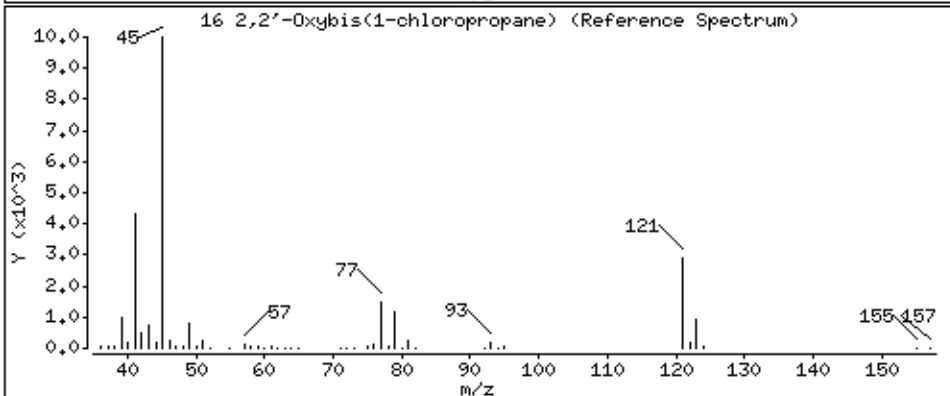
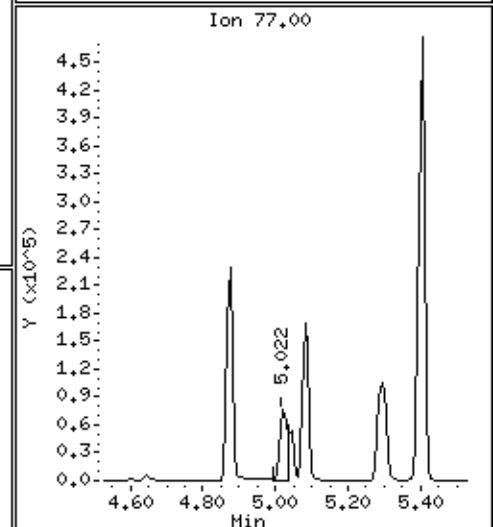
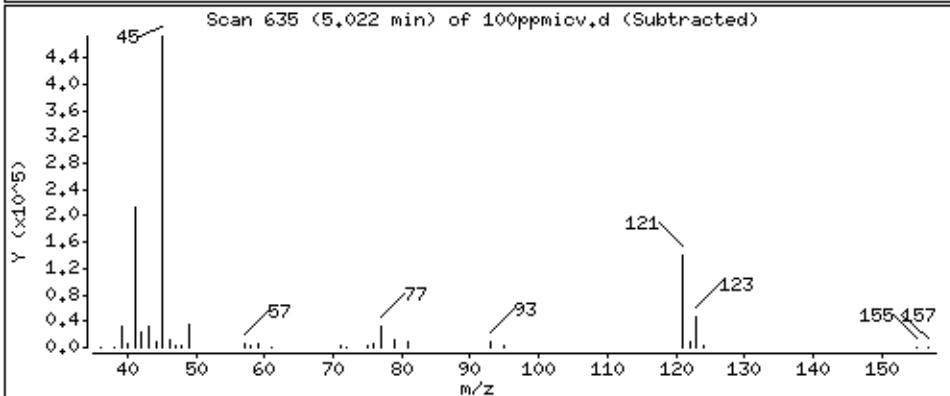
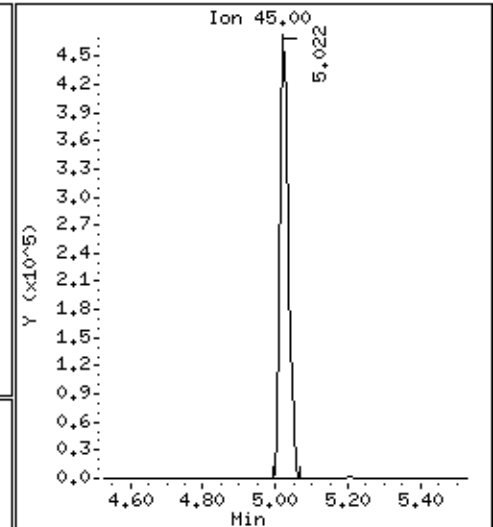
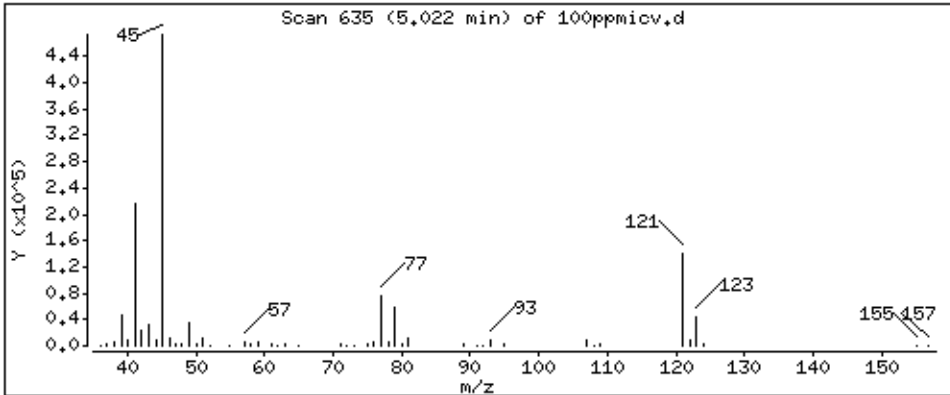
Operator: CEM

Column phase: .50um DB-5ms

Column diameter: 0,25

16 2,2'-Oxybis(1-chloropropane)

Concentration: 114.1 ug/L



Date : 10-JUN-2014 13:45

Client ID:

Instrument: 50MSS3.i

Sample Info: ICV,70293:1

Volume Injected (uL): 1.0

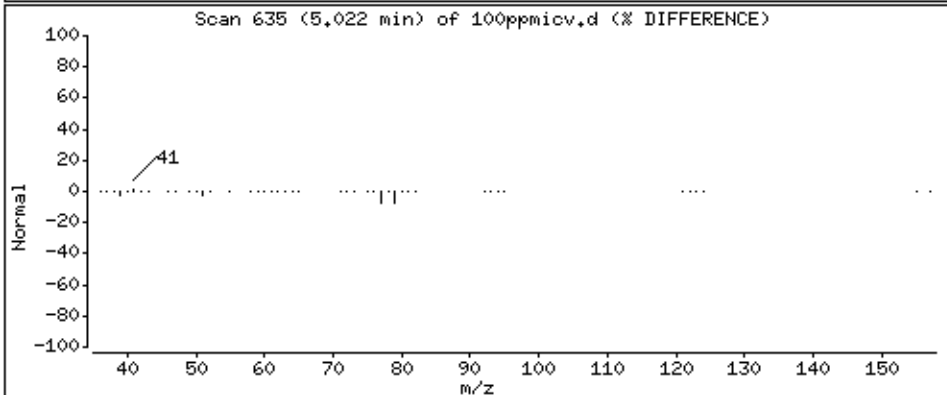
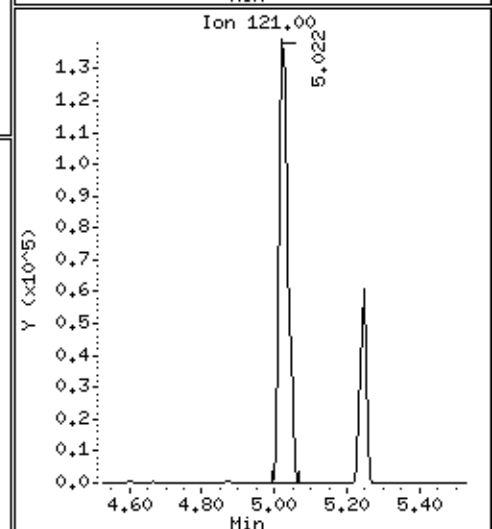
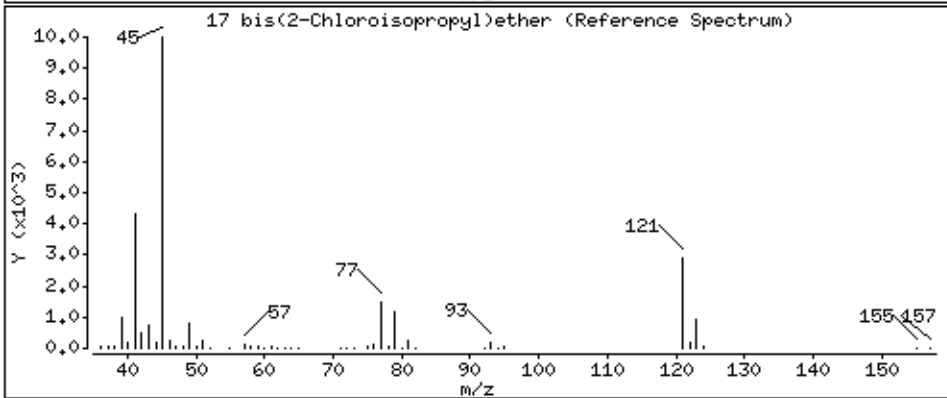
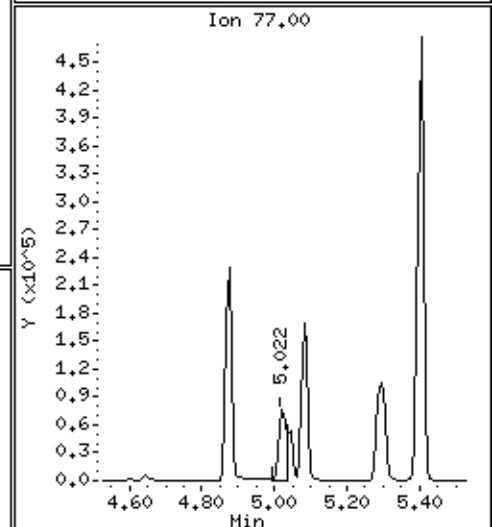
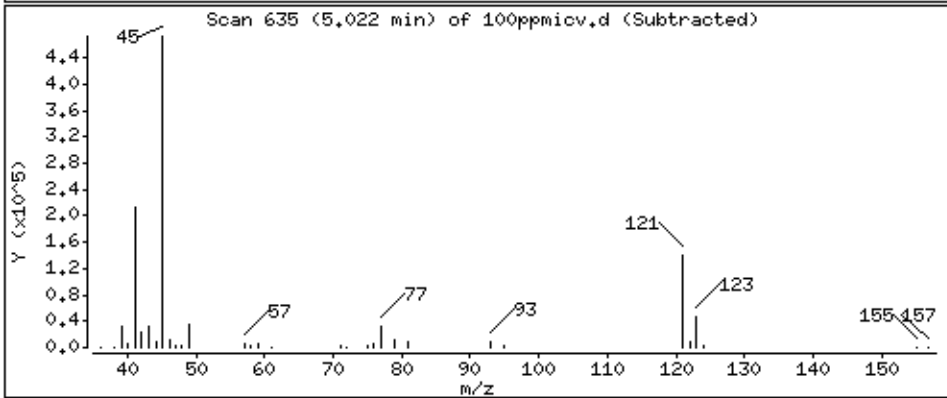
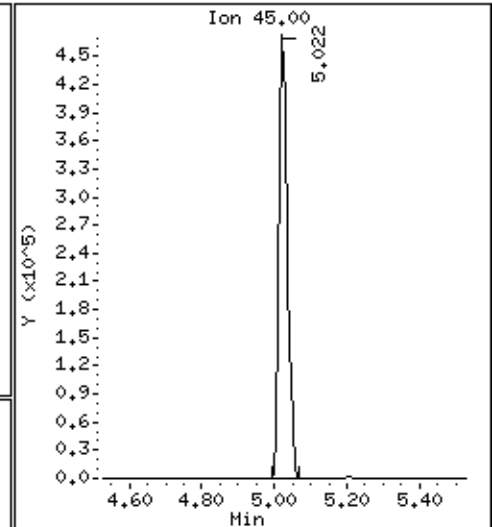
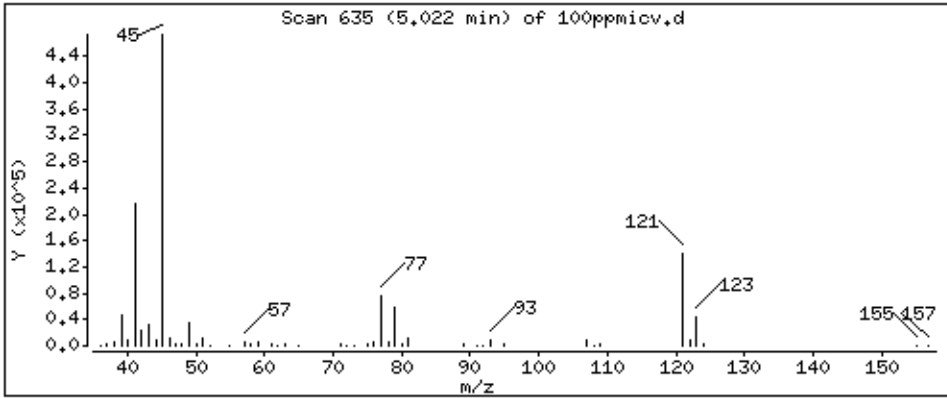
Operator: CEM

Column phase: .50um DB-5ms

Column diameter: 0,25

17 bis(2-Chloroisopropyl)ether

Concentration: 114.1 ug/L



Date : 10-JUN-2014 13:45

Client ID:

Instrument: 50MSS3.i

Sample Info: ICV,70293:1

Volume Injected (uL): 1.0

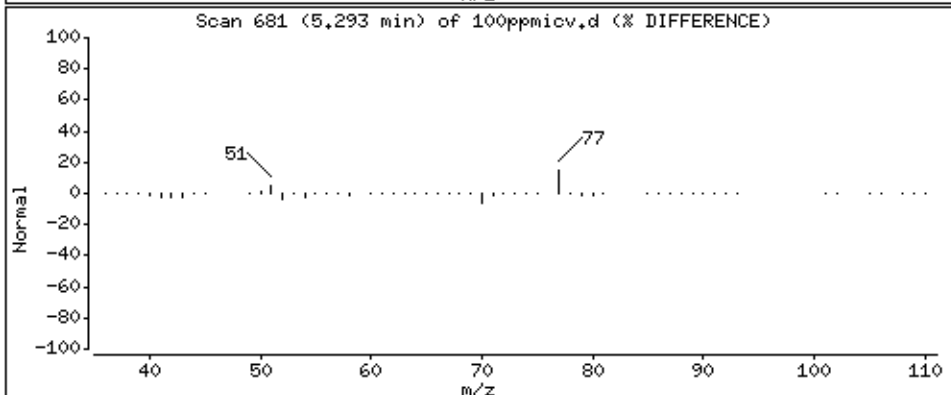
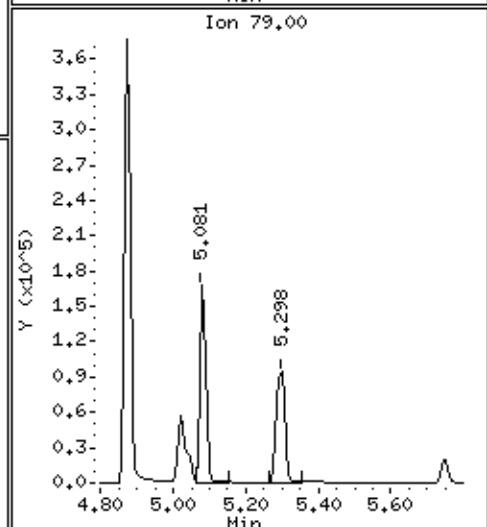
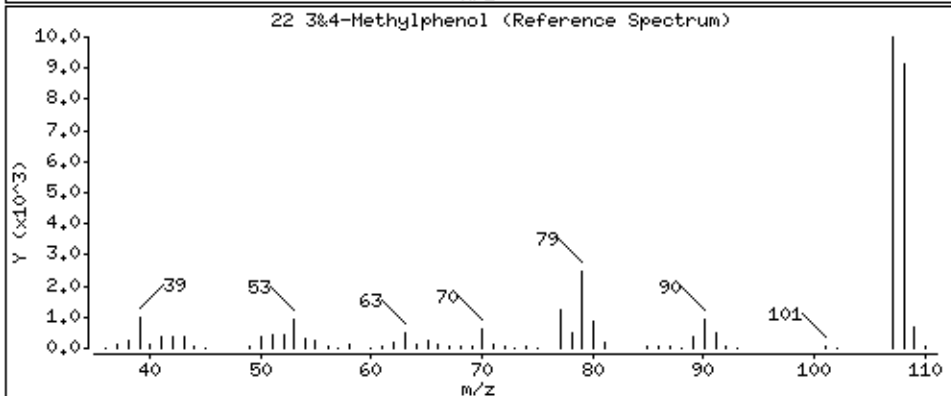
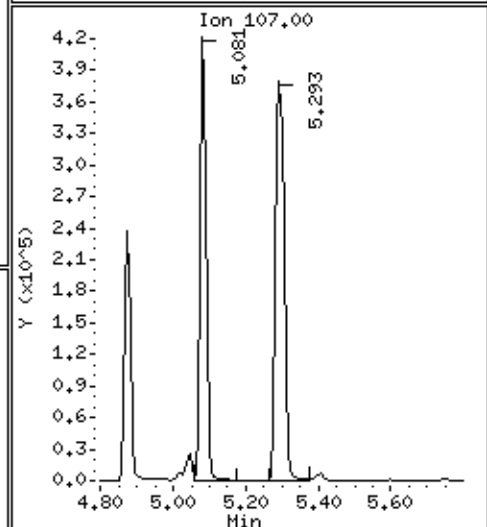
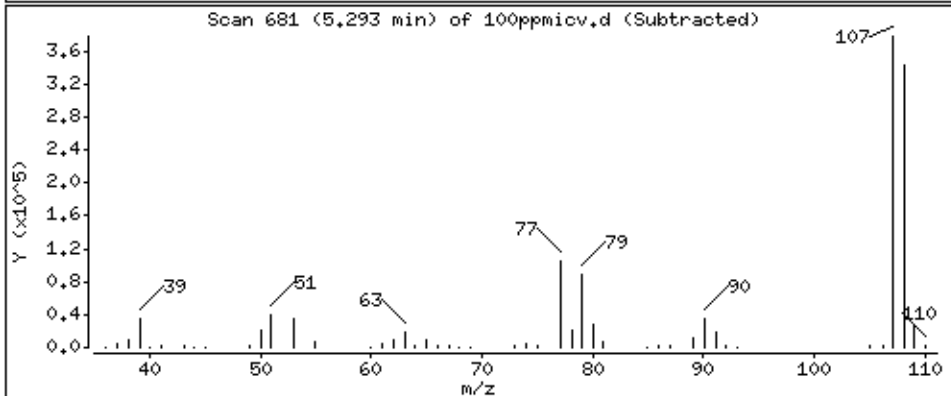
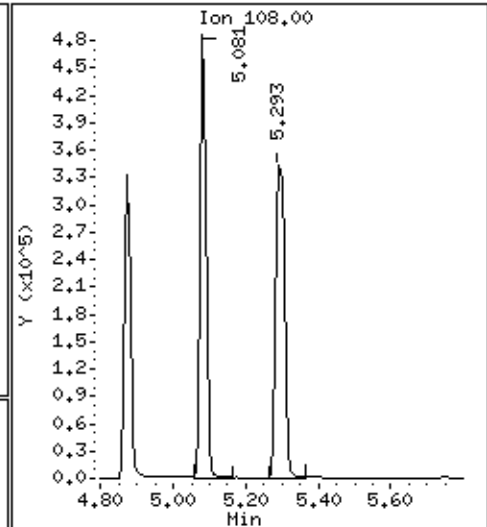
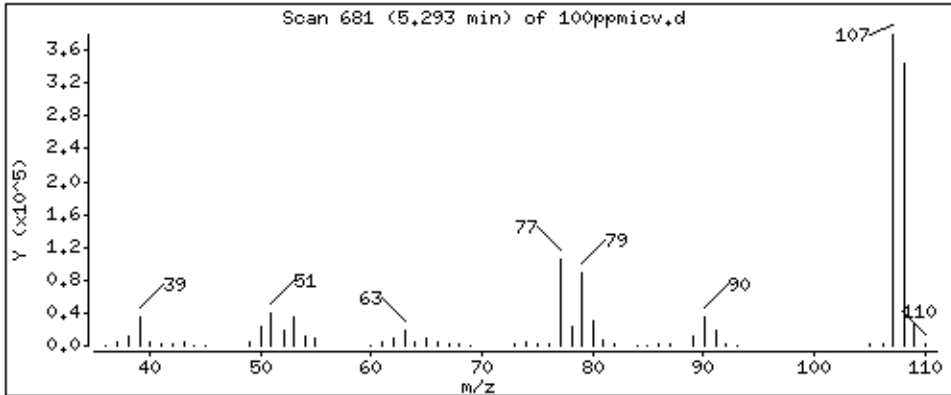
Operator: CEM

Column phase: .50um DB-5ms

Column diameter: 0,25

22 3&4-Methylphenol

Concentration: 103.9 ug/L



Date : 10-JUN-2014 13:45

Client ID:

Instrument: 50MSS3.i

Sample Info: ICV,70293:1

Volume Injected (uL): 1.0

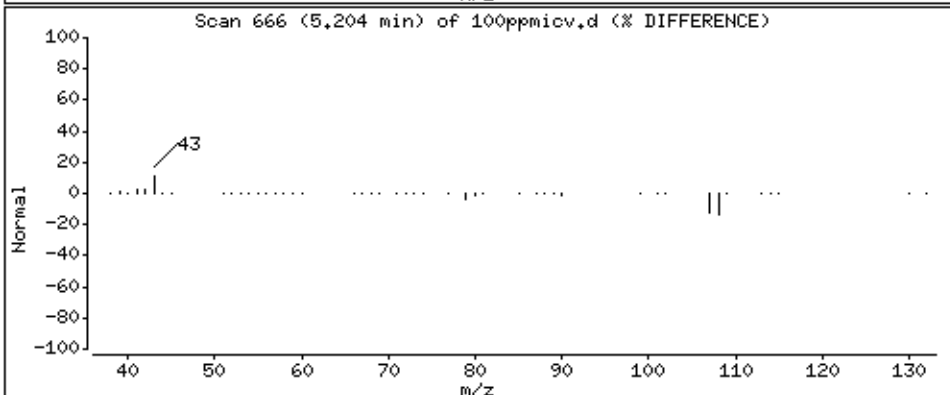
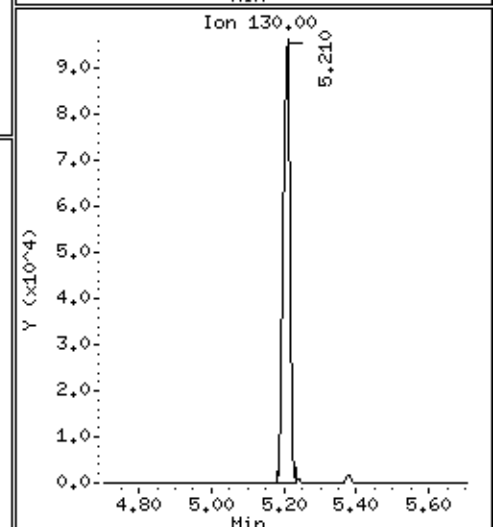
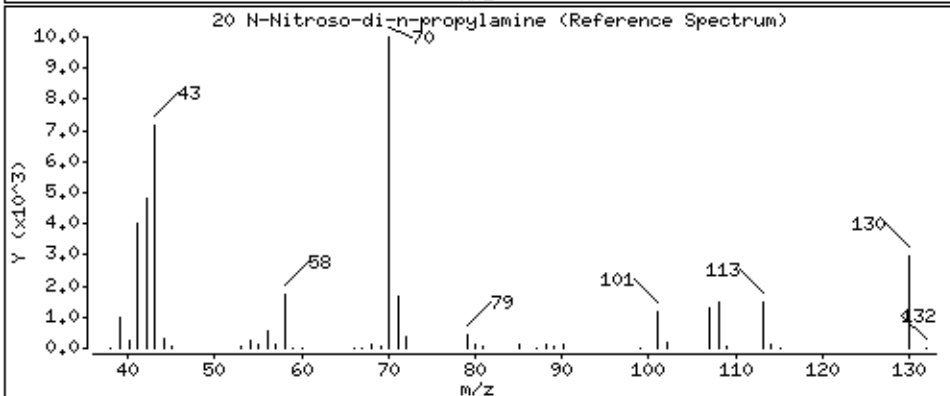
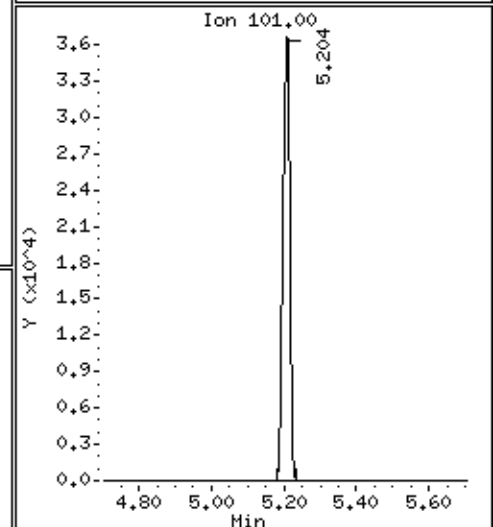
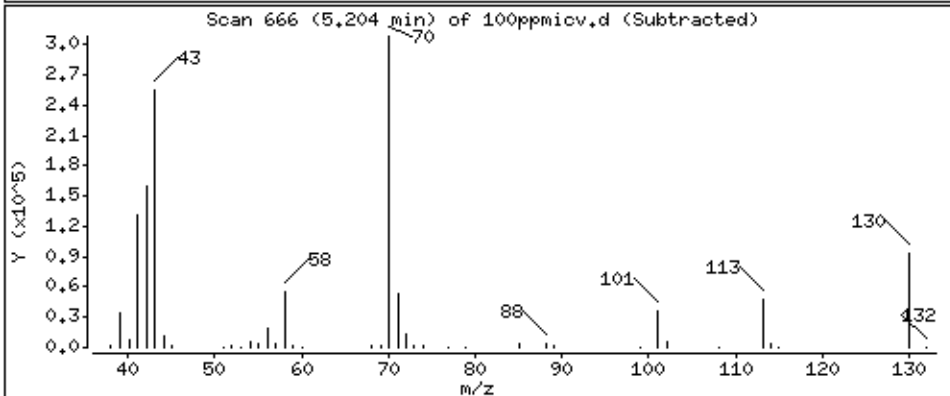
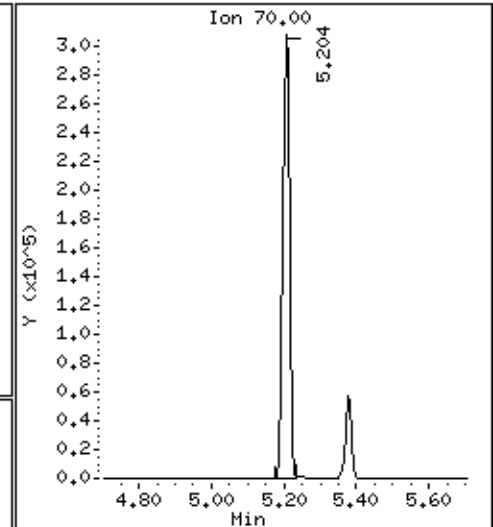
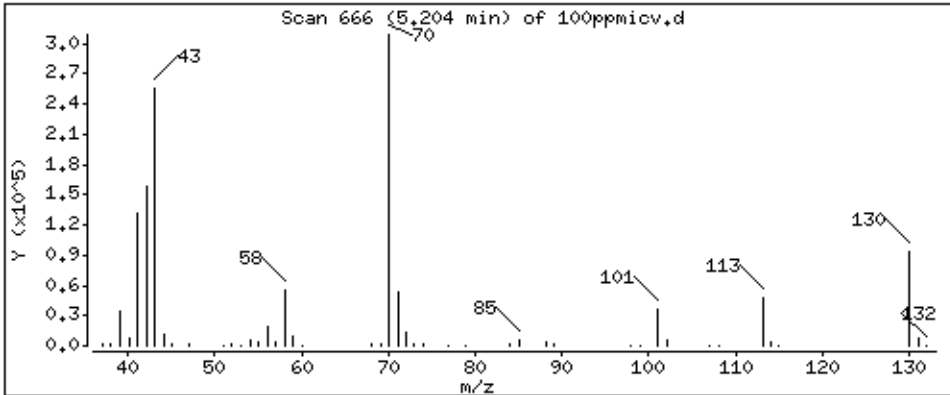
Operator: CEM

Column phase: .50um DB-5ms

Column diameter: 0,25

20 N-Nitroso-di-n-propylamine

Concentration: 103,2 ug/L



Date : 10-JUN-2014 13:45

Client ID:

Instrument: 50MSS3.i

Sample Info: ICV,70293:1

Volume Injected (uL): 1.0

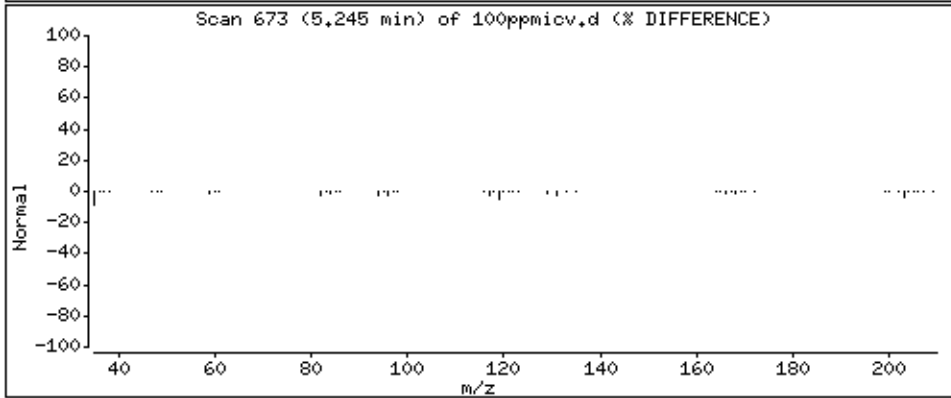
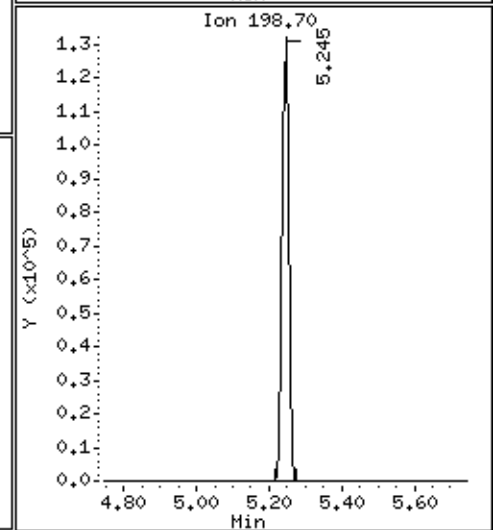
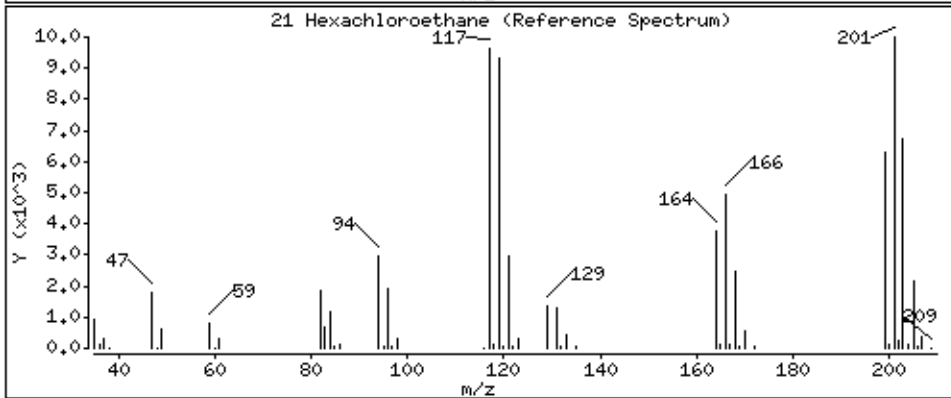
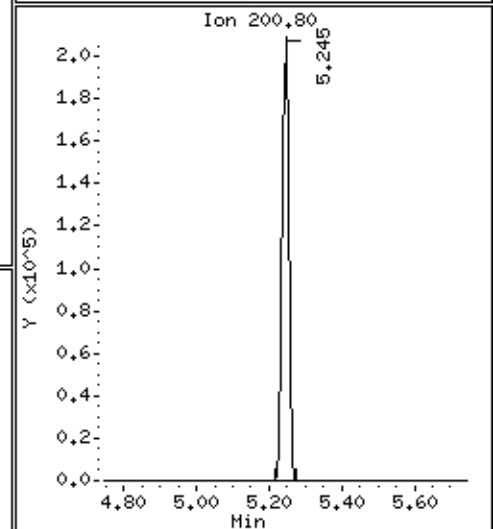
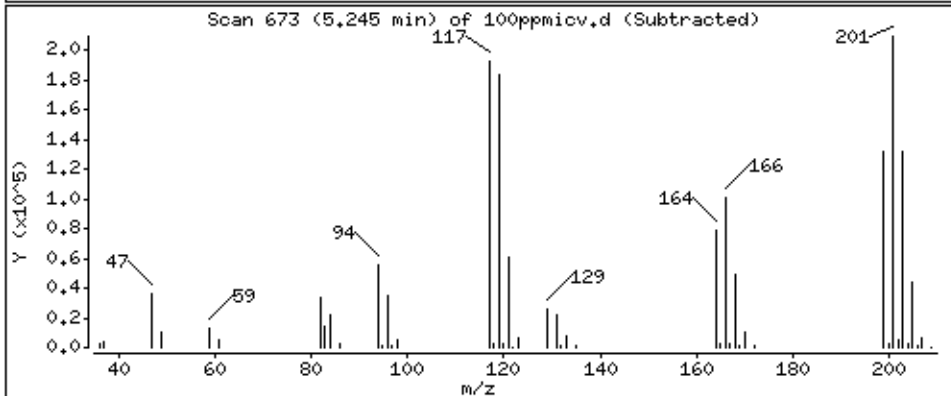
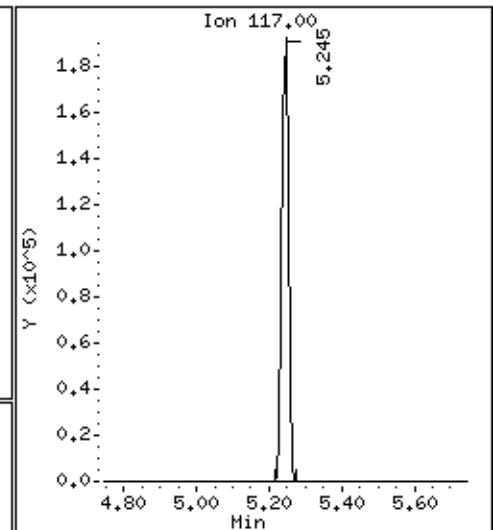
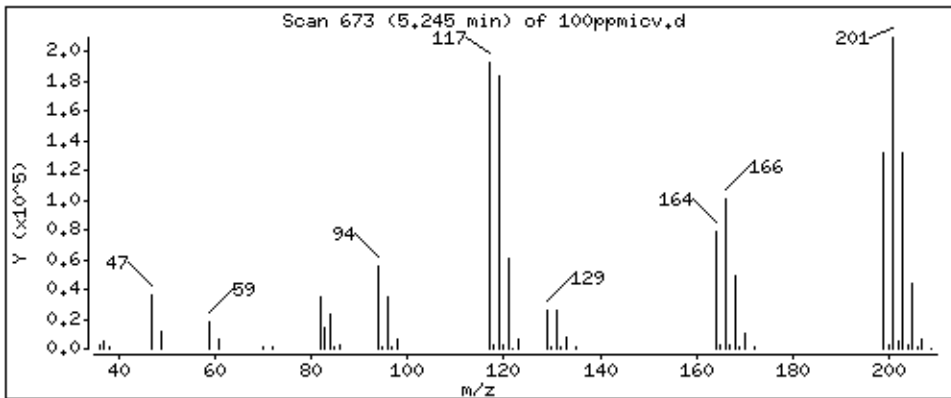
Operator: CEM

Column phase: .50um DB-5ms

Column diameter: 0,25

21 Hexachloroethane

Concentration: 104.4 ug/L



Date : 10-JUN-2014 13:45

Client ID:

Instrument: 50MSS3.i

Sample Info: ICV,70293:1

Volume Injected (uL): 1.0

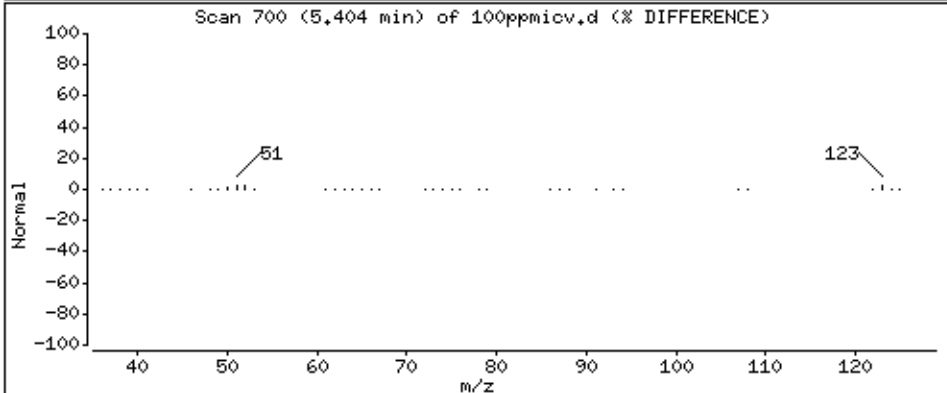
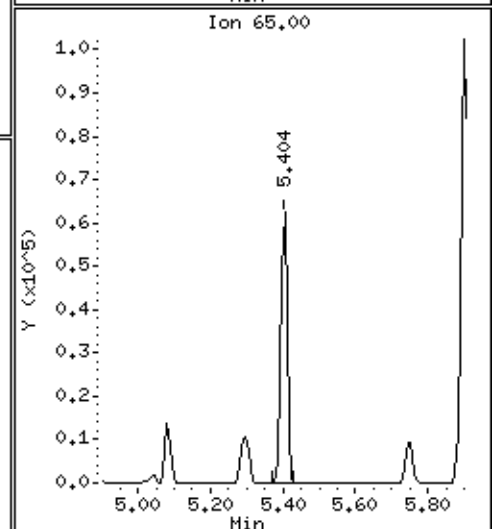
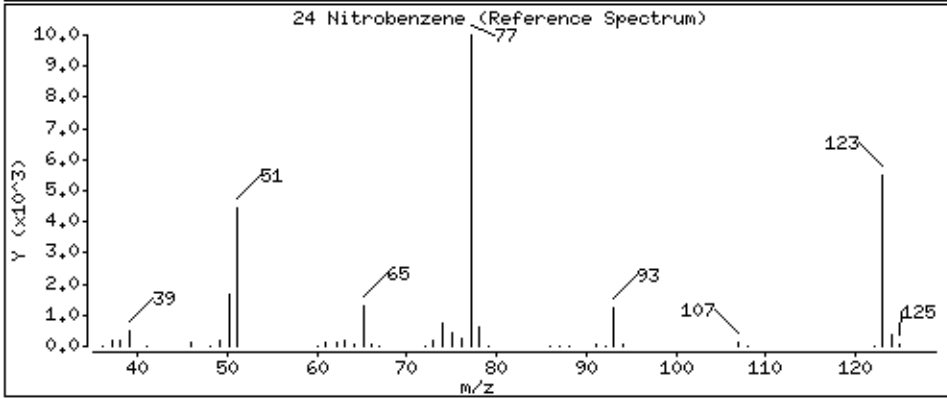
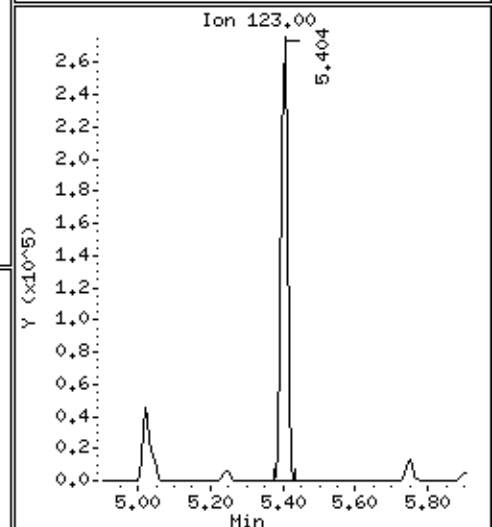
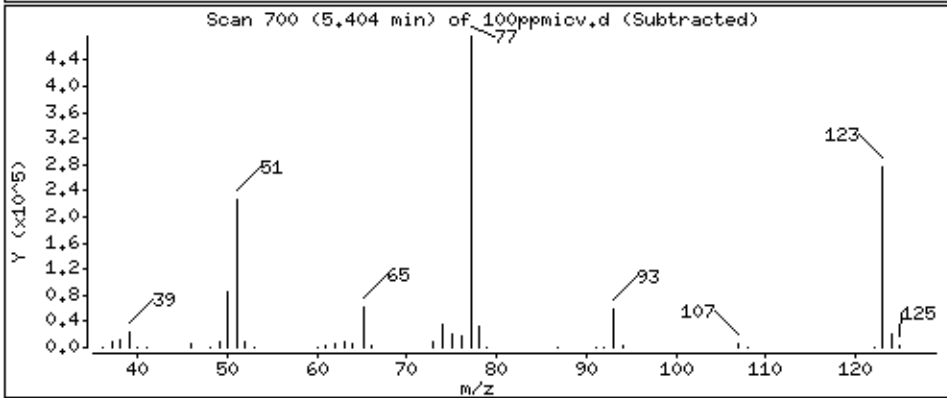
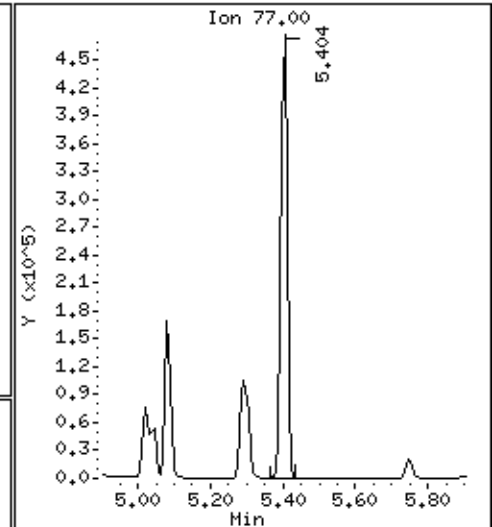
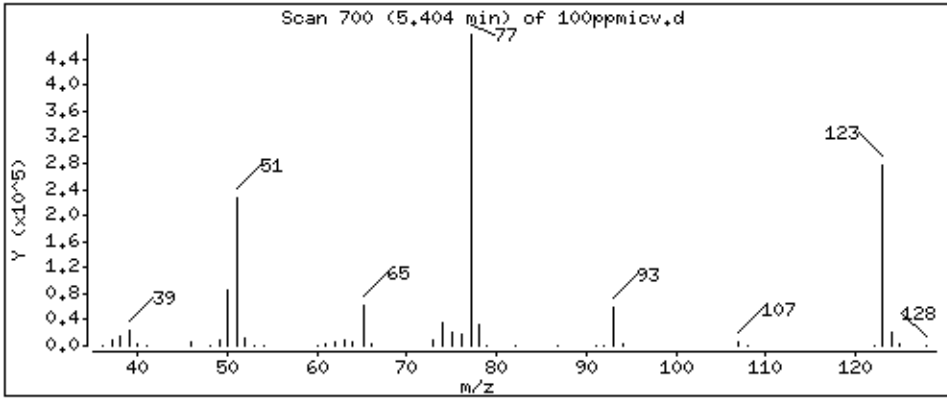
Operator: CEM

Column phase: .50um DB-5ms

Column diameter: 0,25

24 Nitrobenzene

Concentration: 102.1 ug/L



Date : 10-JUN-2014 13:45

Client ID:

Instrument: 50MSS3.i

Sample Info: ICV,70293:1

Volume Injected (uL): 1.0

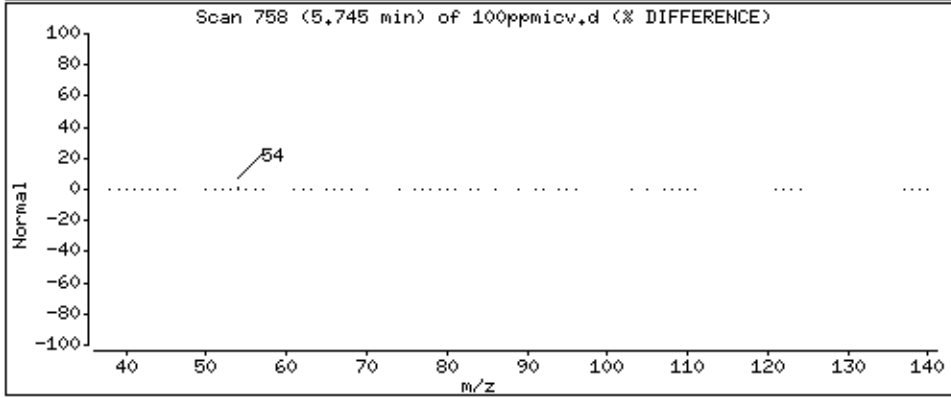
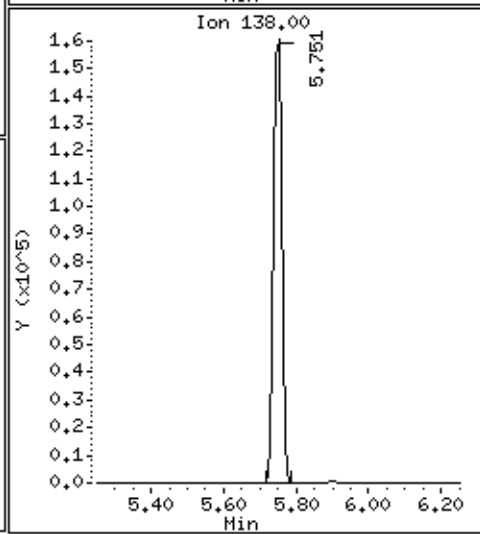
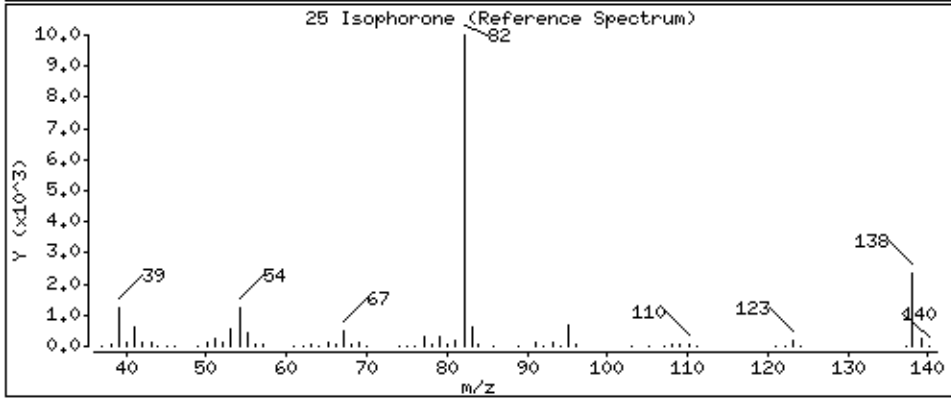
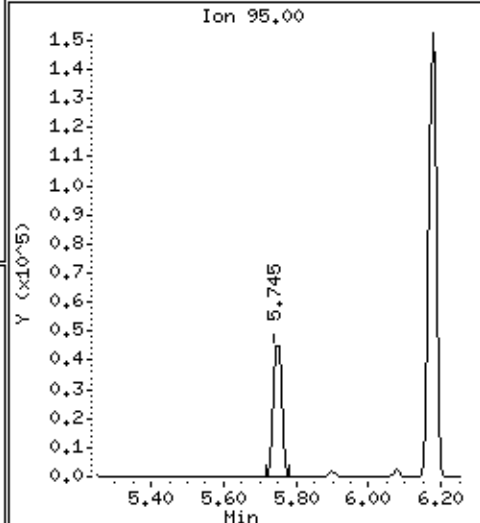
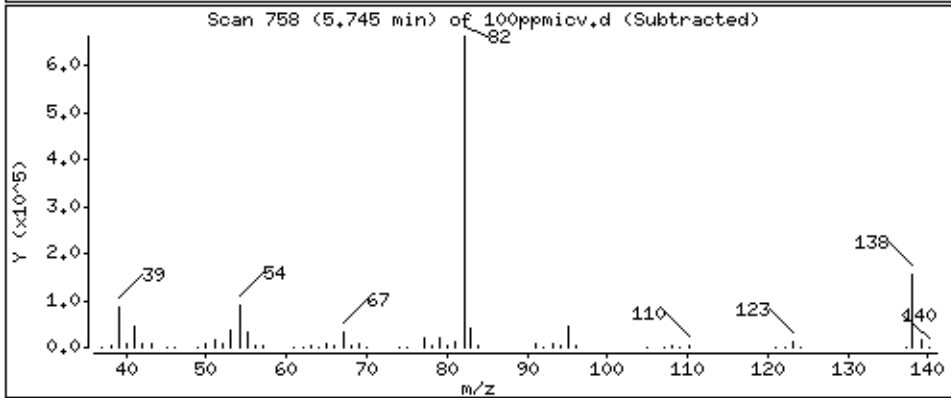
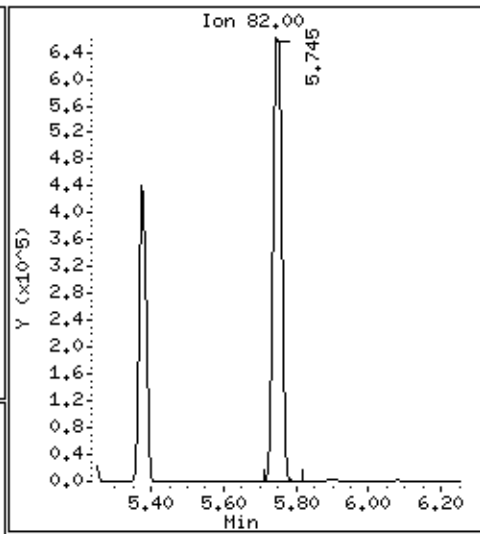
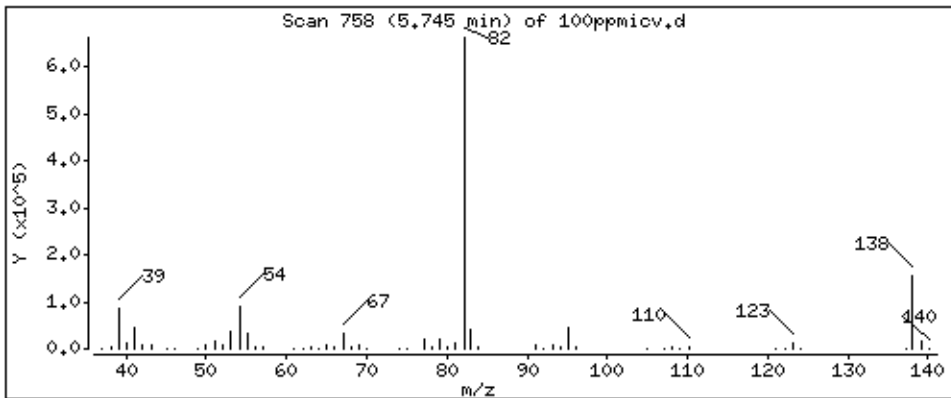
Operator: CEM

Column phase: .50um DB-5ms

Column diameter: 0,25

25 Isophorone

Concentration: 101.6 ug/L



Date : 10-JUN-2014 13:45

Client ID:

Instrument: 50MSS3.i

Sample Info: ICV,70293:1

Volume Injected (uL): 1.0

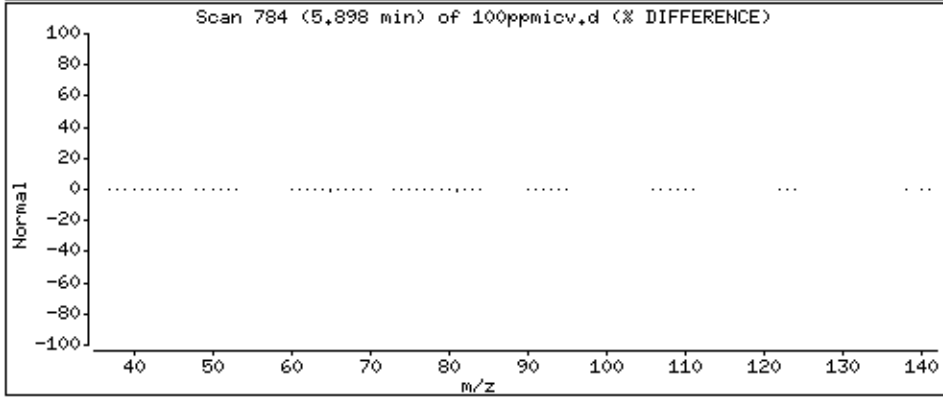
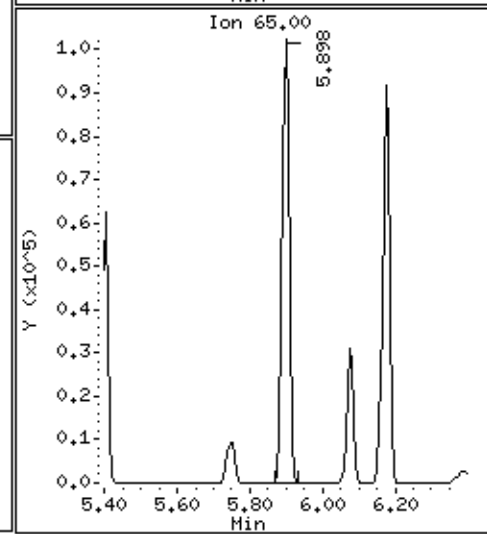
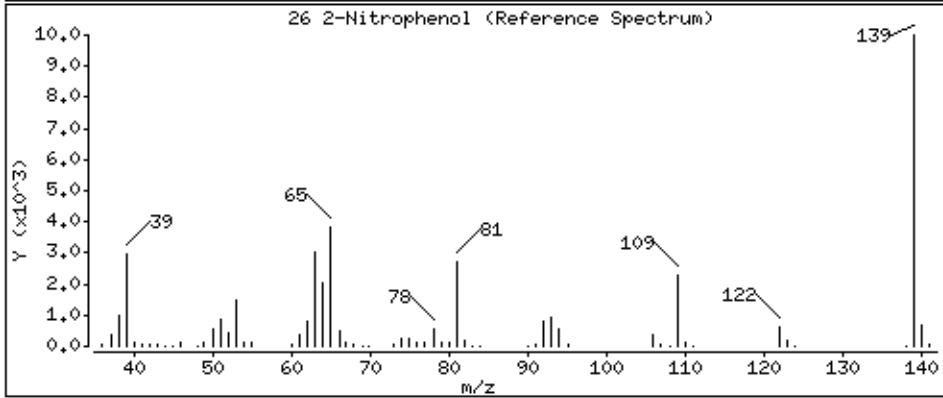
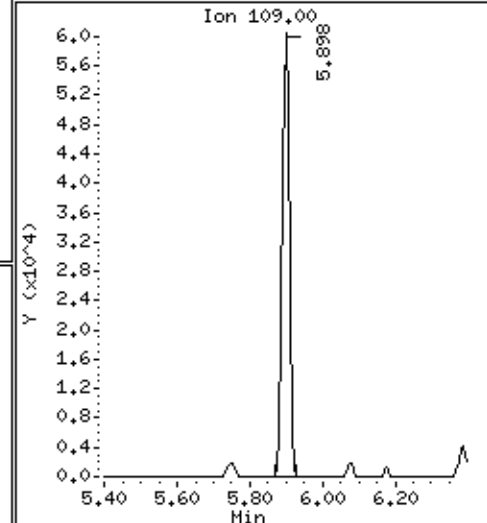
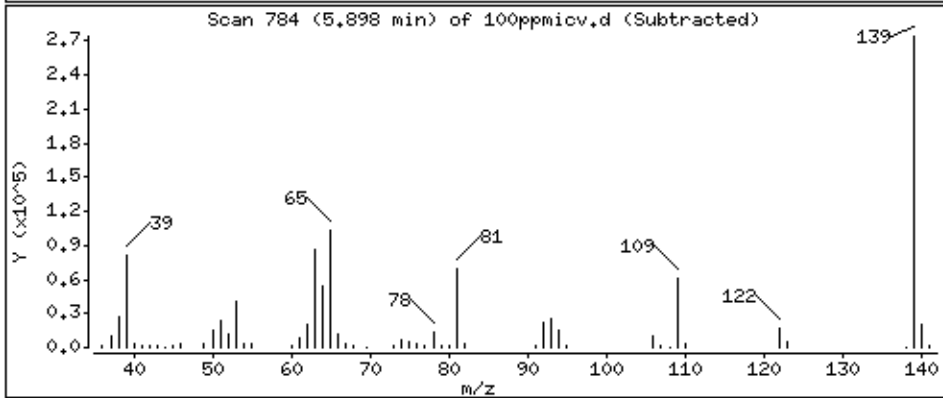
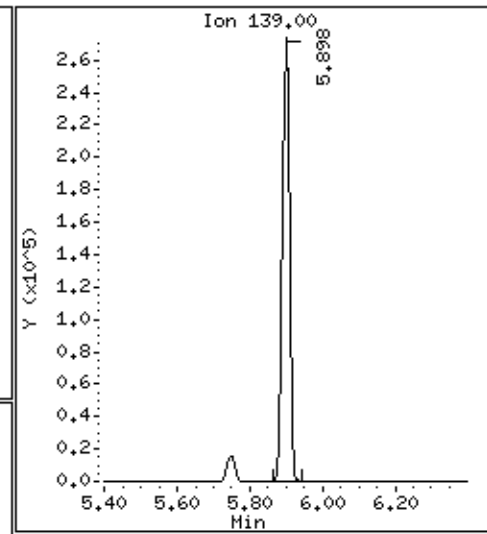
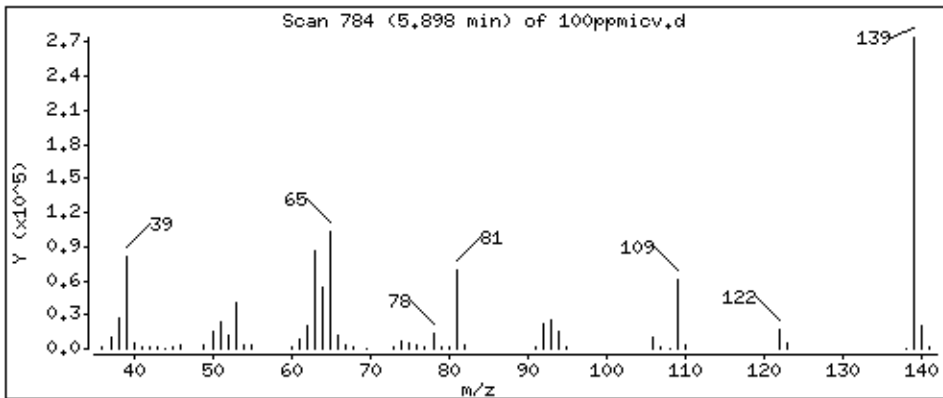
Operator: CEM

Column phase: .50um DB-5ms

Column diameter: 0,25

26 2-Nitrophenol

Concentration: 102.6 ug/L



Date : 10-JUN-2014 13:45

Client ID:

Instrument: 50MSS3.i

Sample Info: ICV,70293:1

Volume Injected (uL): 1.0

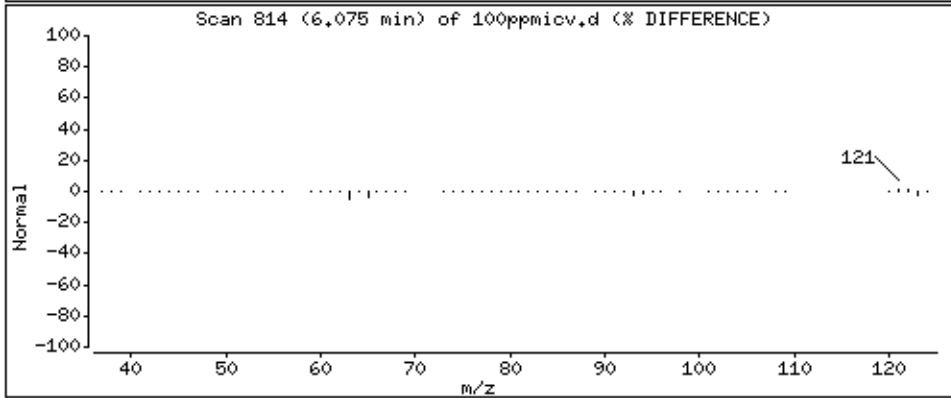
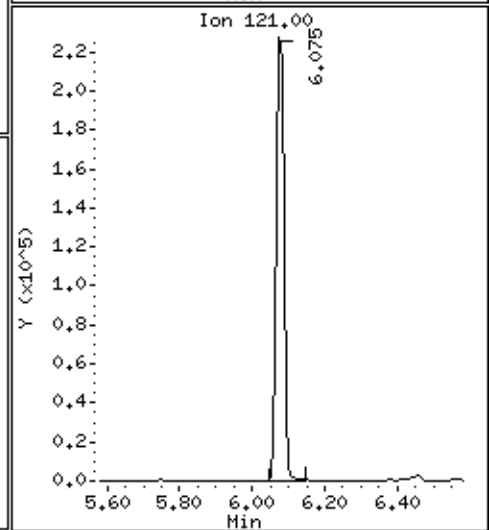
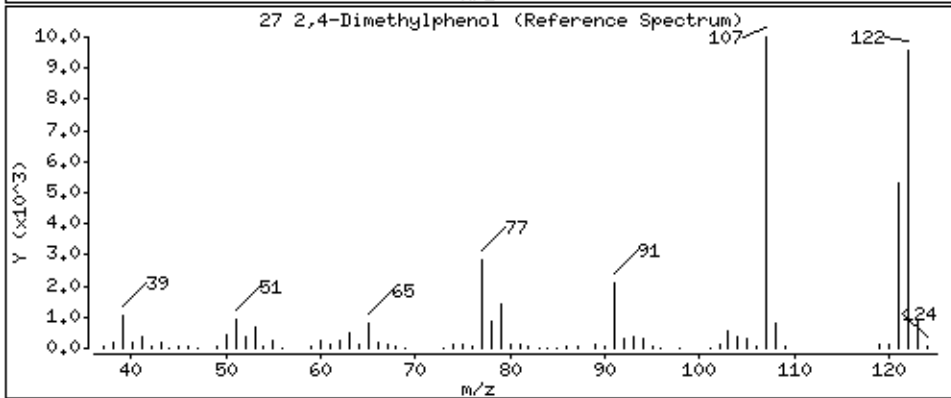
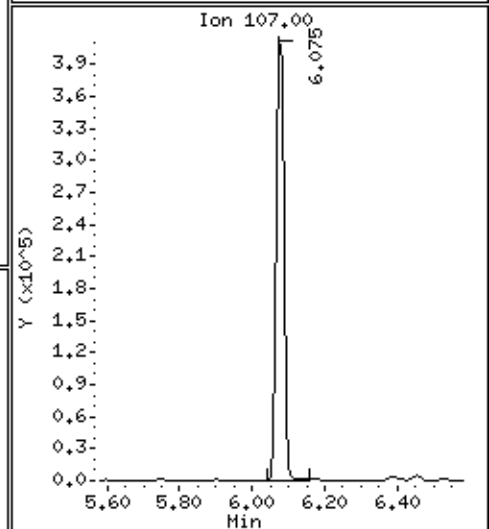
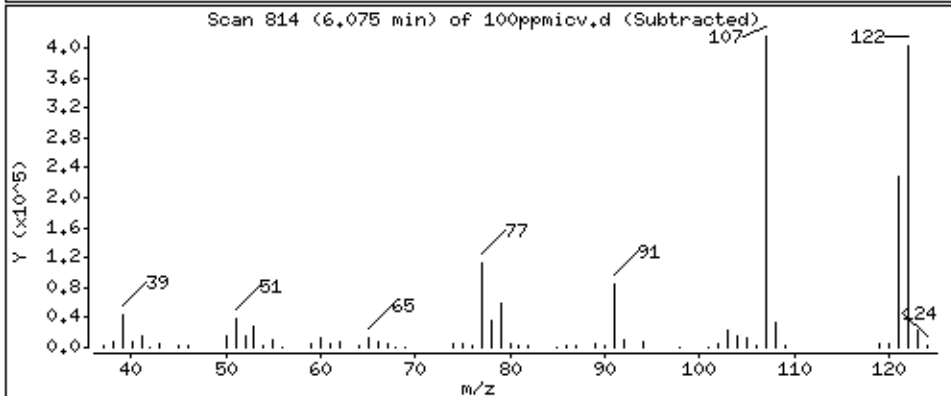
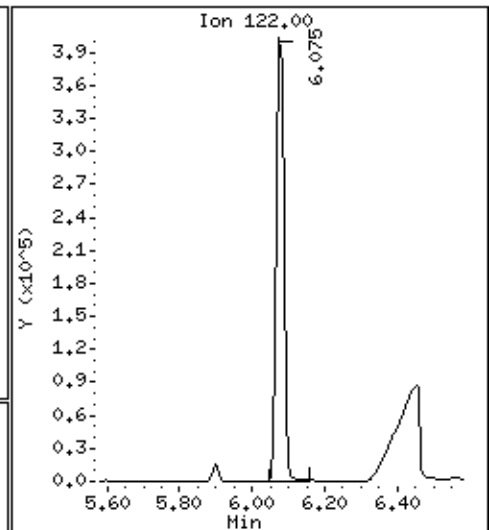
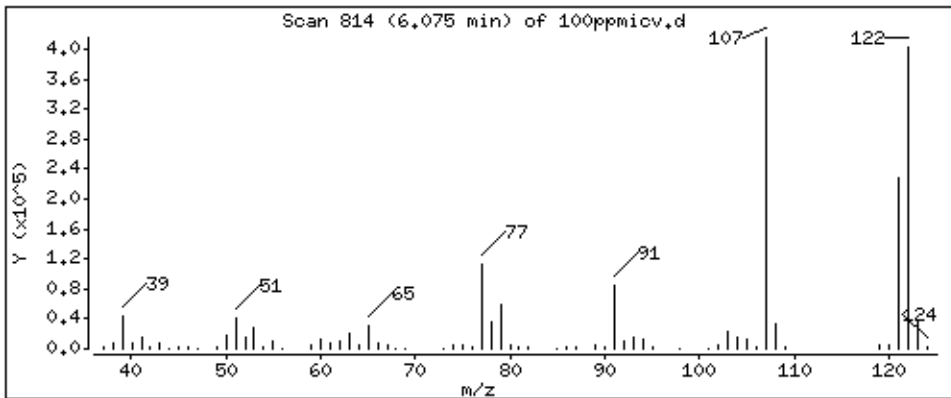
Operator: CEM

Column phase: .50um DB-5ms

Column diameter: 0,25

27 2,4-Dimethylphenol

Concentration: 106.9 ug/L



Date : 10-JUN-2014 13:45

Client ID:

Instrument: 50MSS3.i

Sample Info: ICV,70293:1

Volume Injected (uL): 1.0

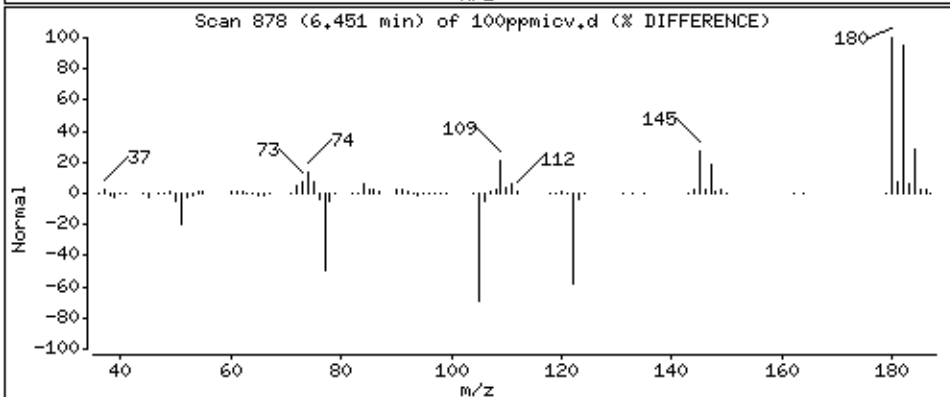
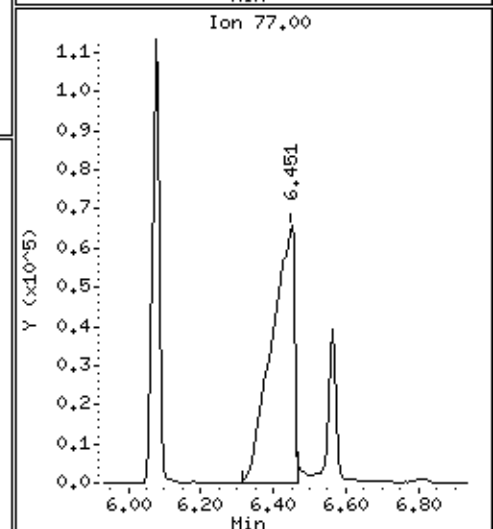
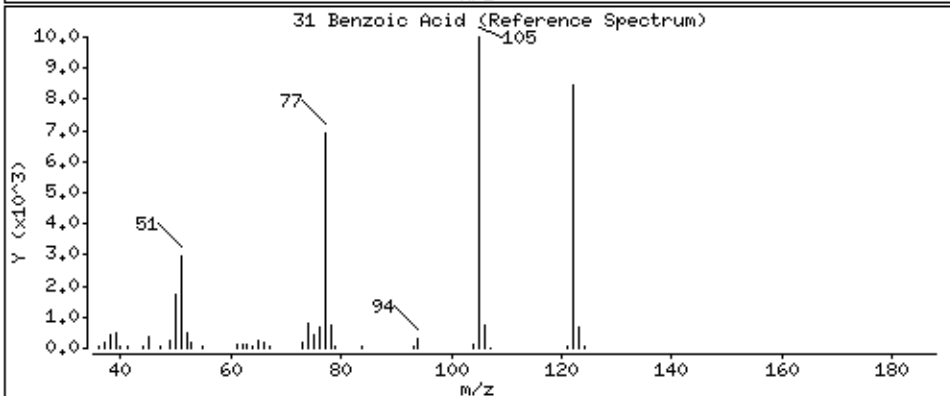
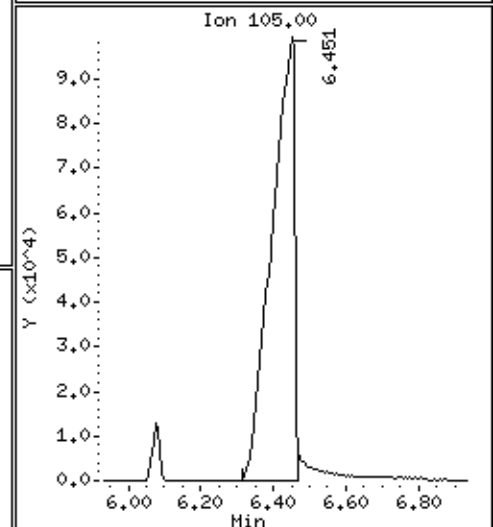
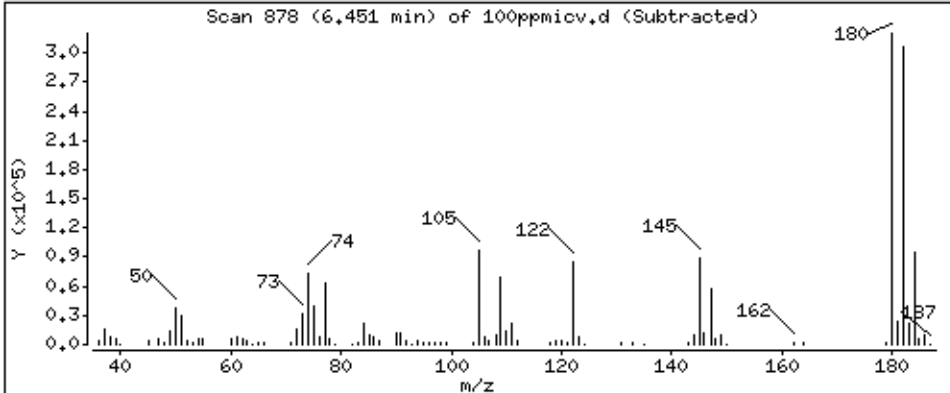
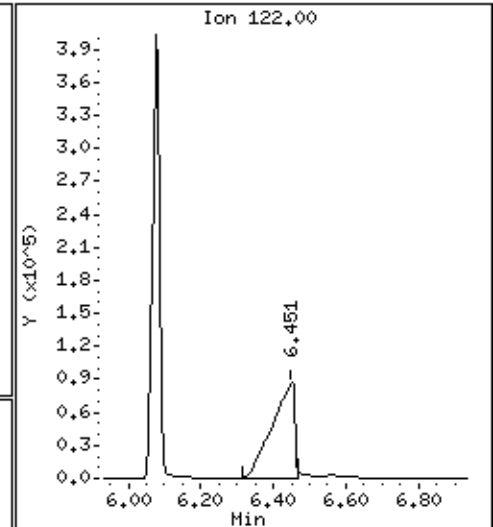
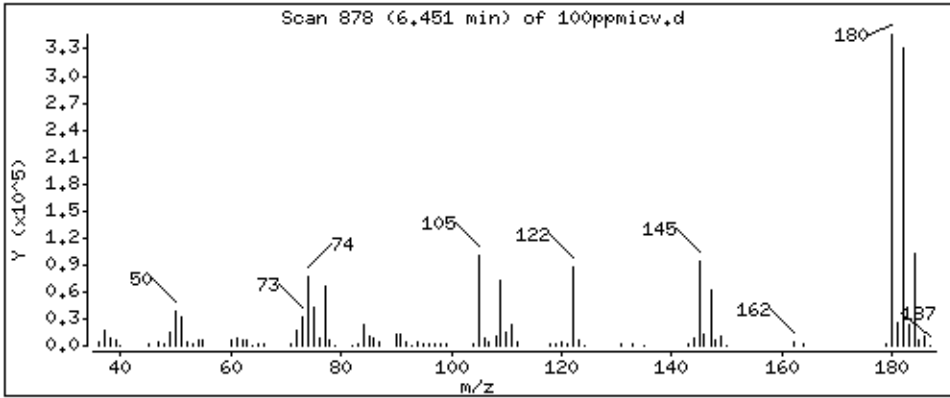
Operator: CEM

Column phase: .50um DB-5ms

Column diameter: 0,25

31 Benzoic Acid

Concentration: 130,0 ug/L



Date : 10-JUN-2014 13:45

Client ID:

Instrument: 50MSS3.i

Sample Info: ICV,70293:1

Volume Injected (uL): 1.0

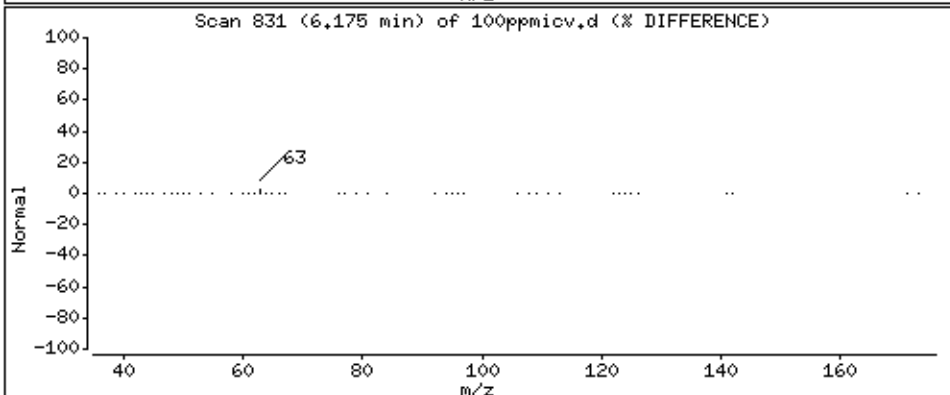
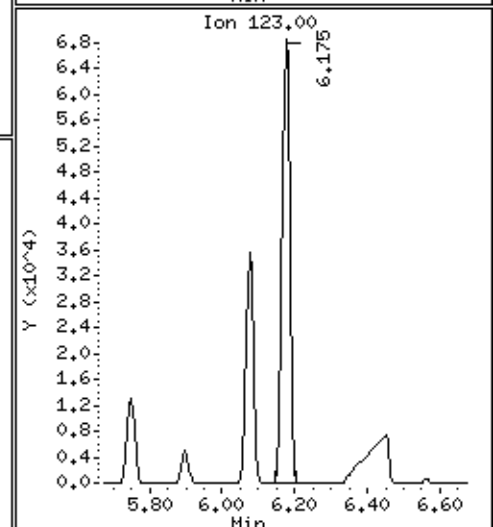
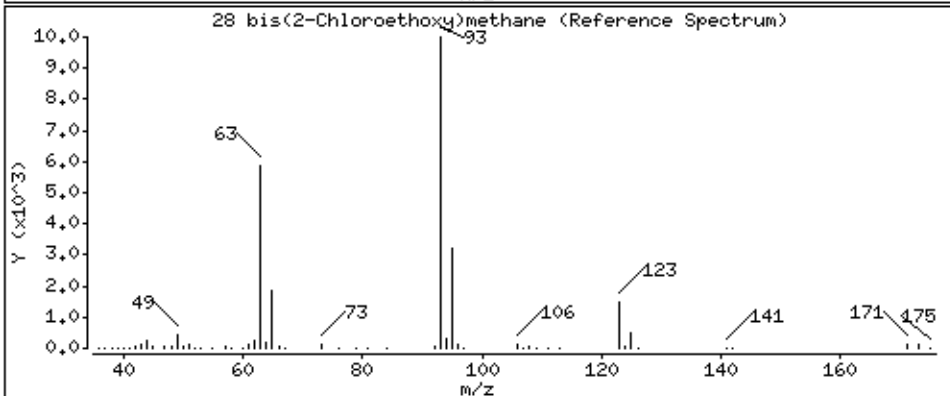
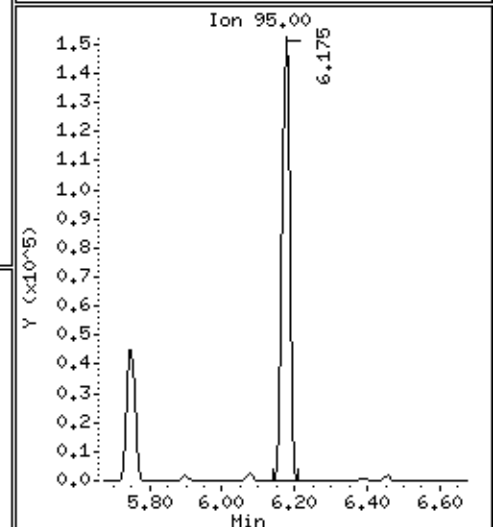
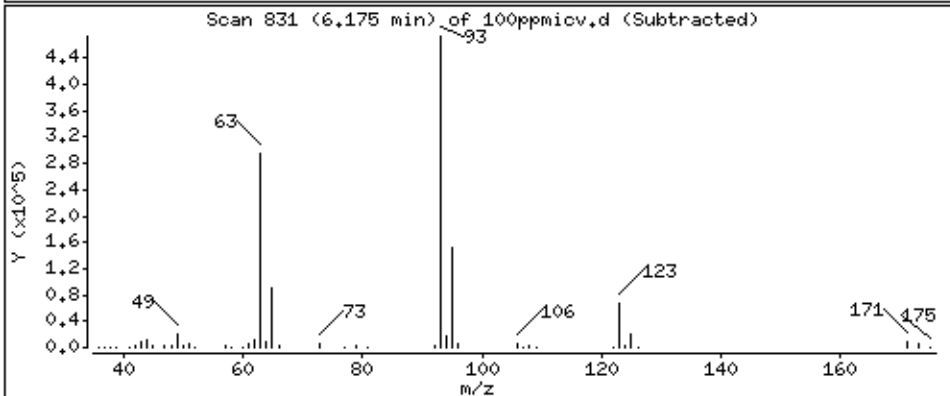
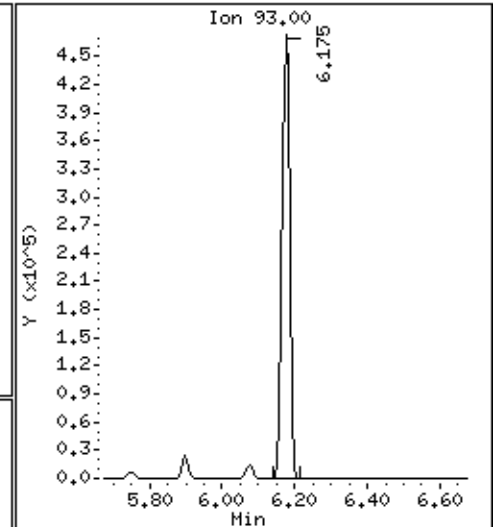
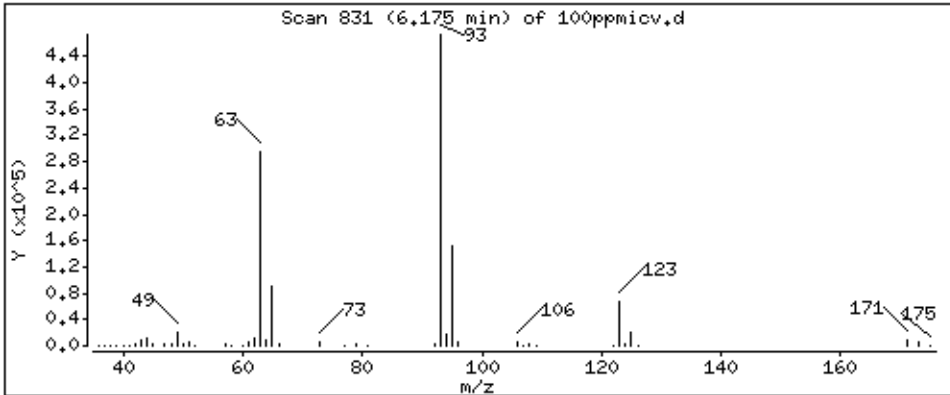
Operator: CEM

Column phase: .50um DB-5ms

Column diameter: 0,25

28 bis(2-Chloroethoxy)methane

Concentration: 106.7 ug/L



Date : 10-JUN-2014 13:45

Client ID:

Instrument: 50MSS3.i

Sample Info: ICV,70293:1

Volume Injected (uL): 1.0

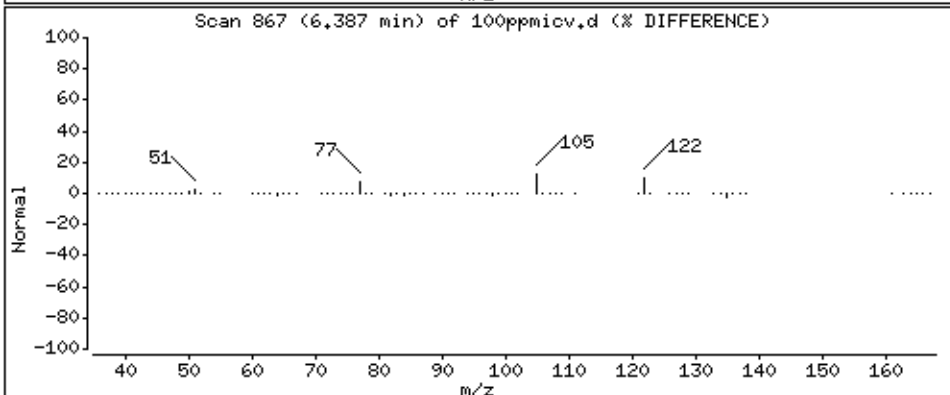
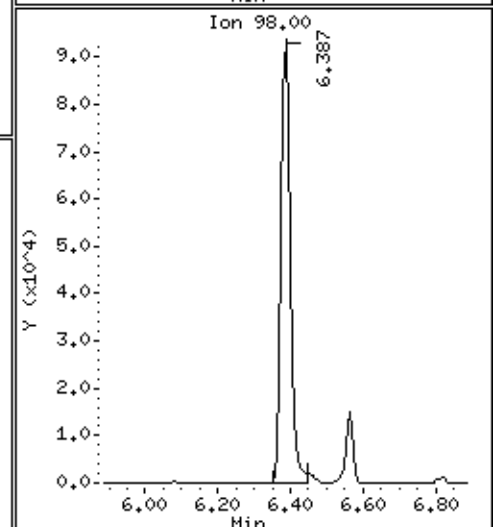
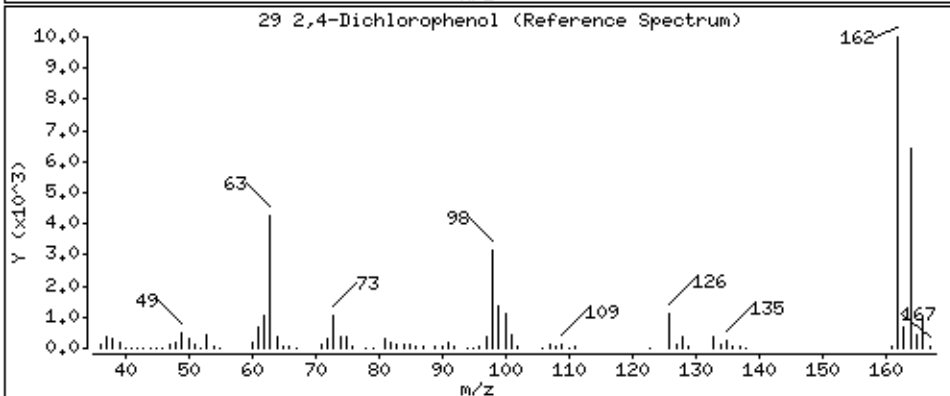
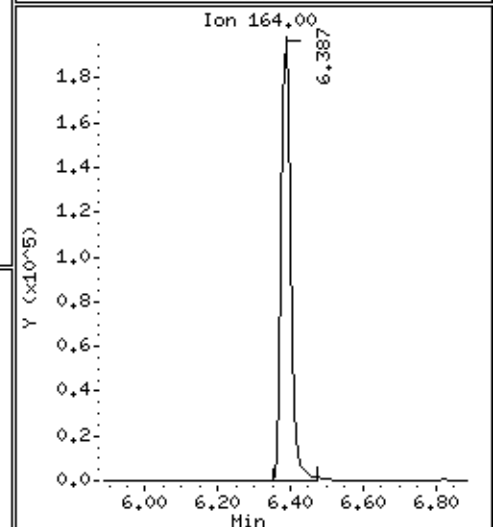
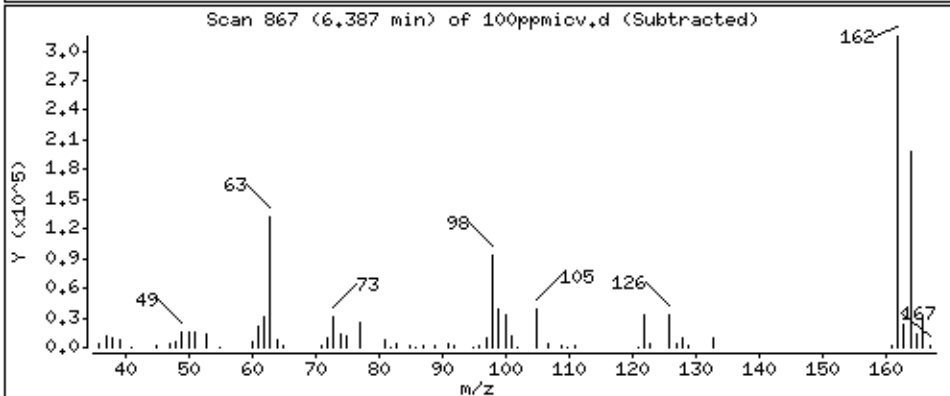
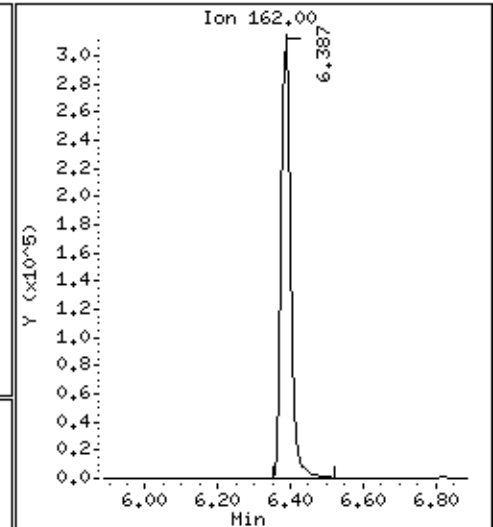
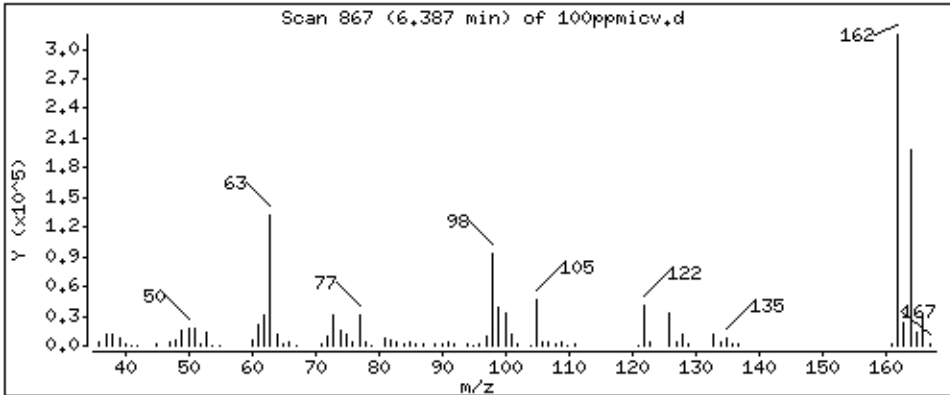
Operator: CEM

Column phase: .50um DB-5ms

Column diameter: 0,25

29 2,4-Dichlorophenol

Concentration: 104.1 ug/L



Date : 10-JUN-2014 13:45

Client ID:

Instrument: 50MSS3.i

Sample Info: ICV,70293:1

Volume Injected (uL): 1.0

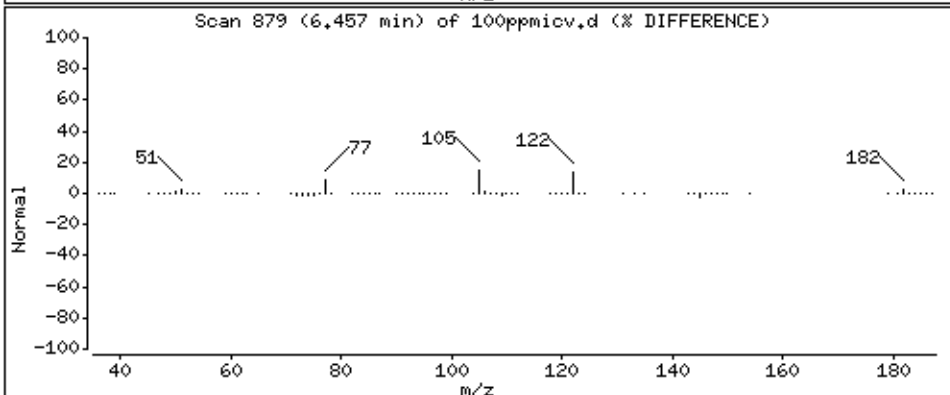
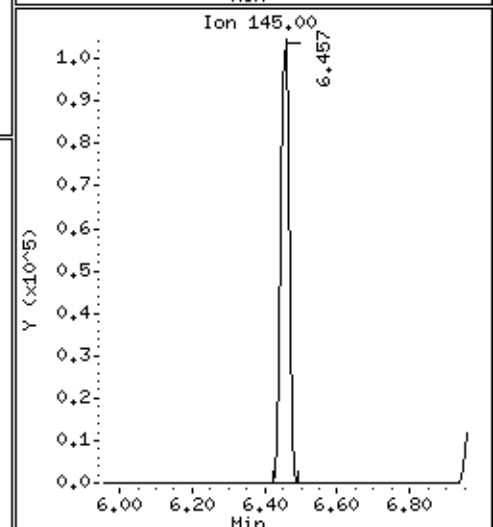
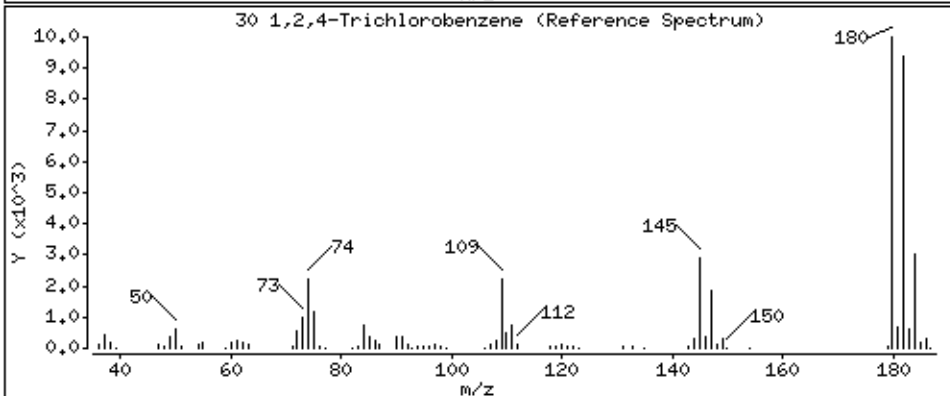
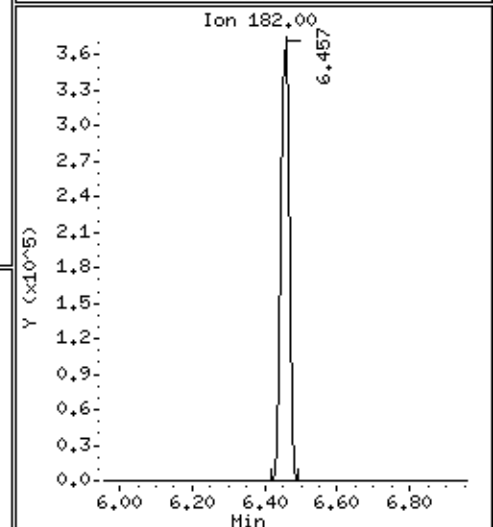
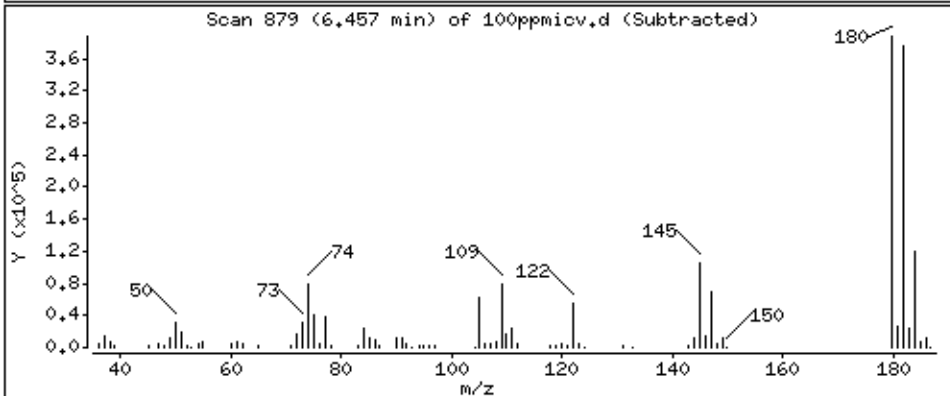
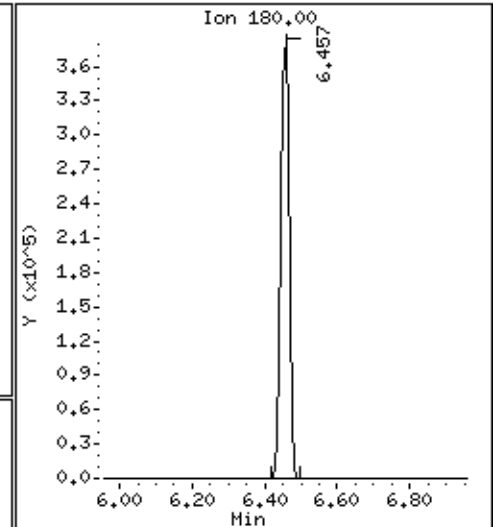
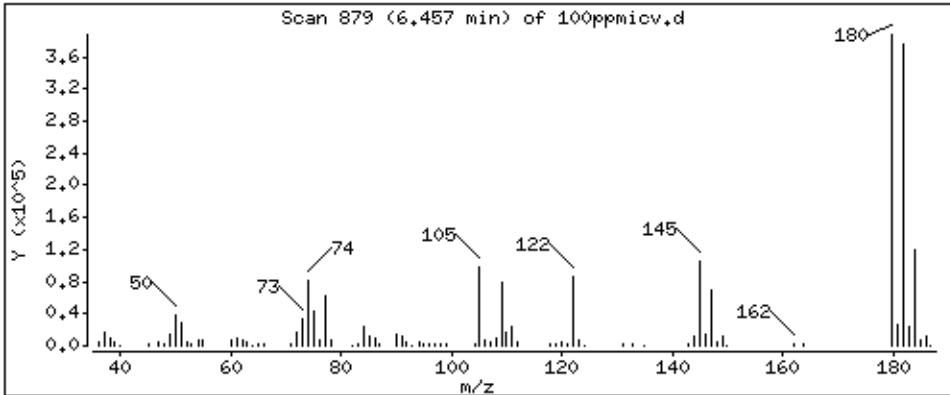
Operator: CEM

Column phase: .50um DB-5ms

Column diameter: 0,25

30 1,2,4-Trichlorobenzene

Concentration: 102.6 ug/L



Date : 10-JUN-2014 13:45

Client ID:

Instrument: 50MSS3.i

Sample Info: ICV,70293:1

Volume Injected (uL): 1.0

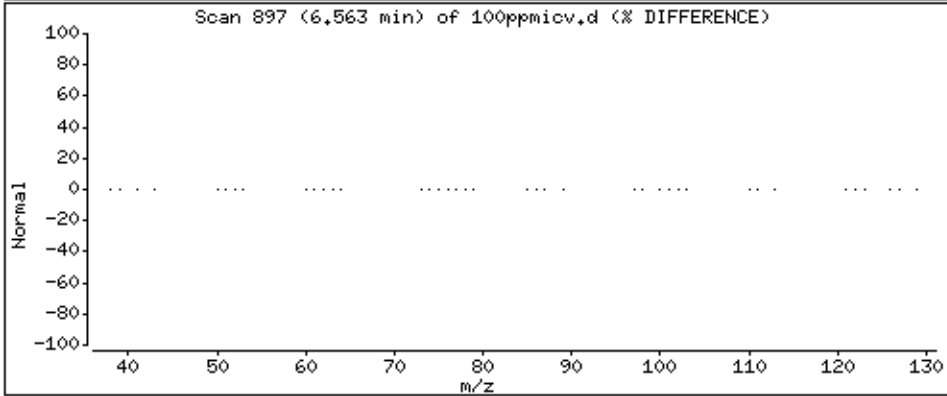
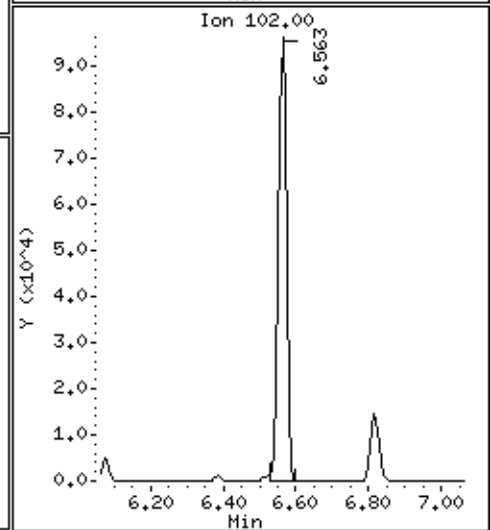
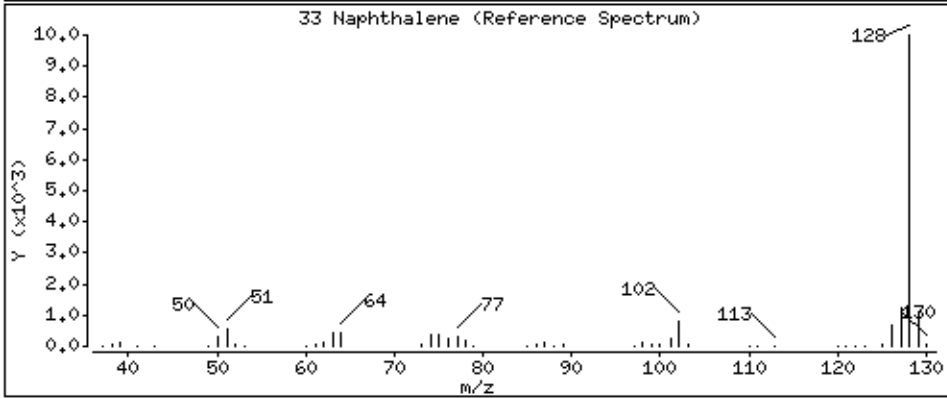
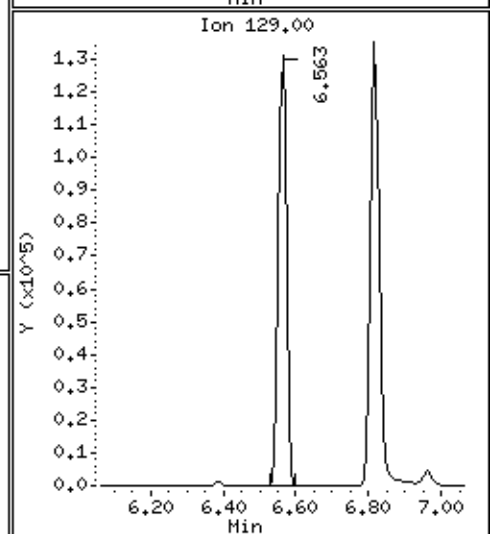
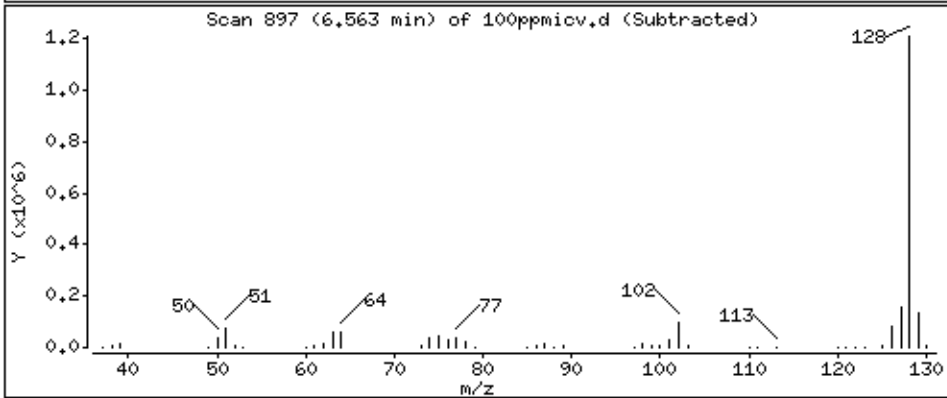
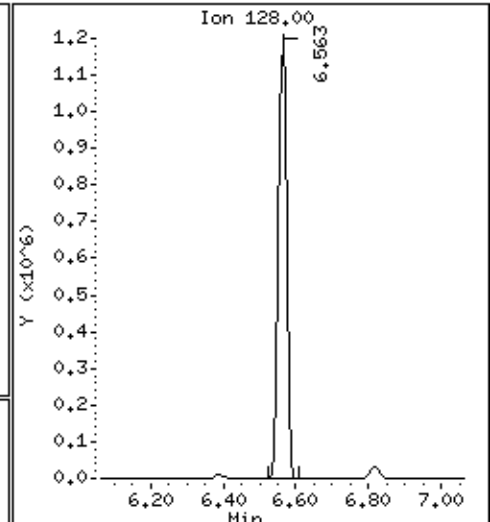
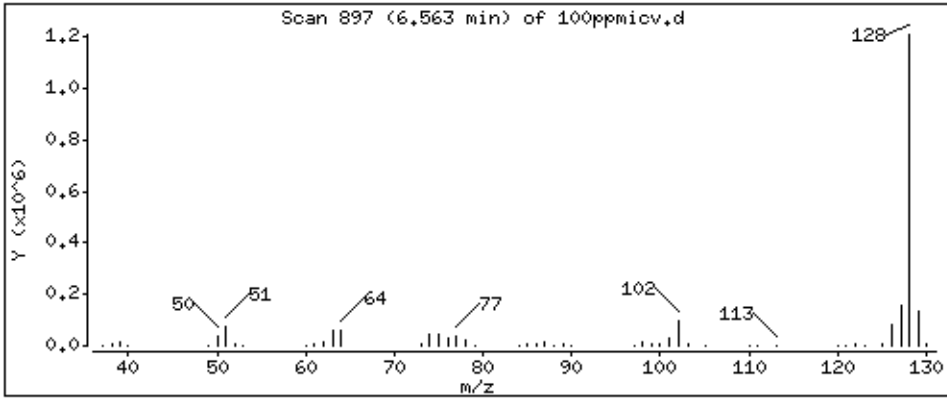
Operator: CEM

Column phase: .50um DB-5ms

Column diameter: 0,25

33 Naphthalene

Concentration: 100.6 ug/L



Date : 10-JUN-2014 13:45

Client ID:

Instrument: 50MSS3.i

Sample Info: ICV,70293:1

Volume Injected (uL): 1.0

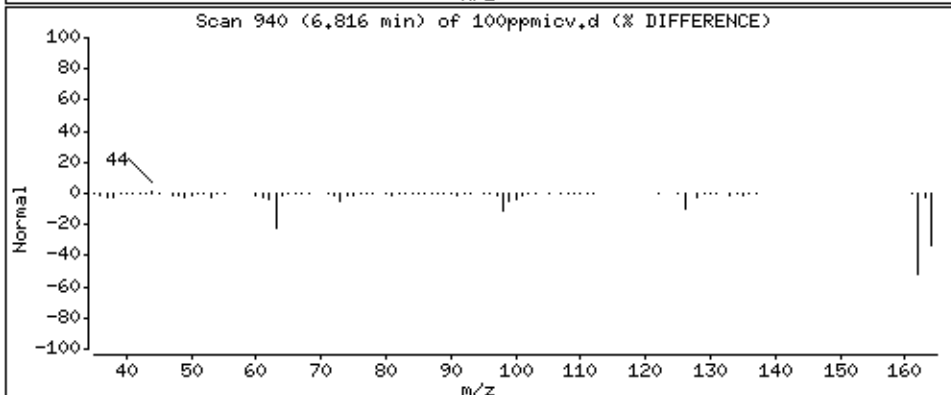
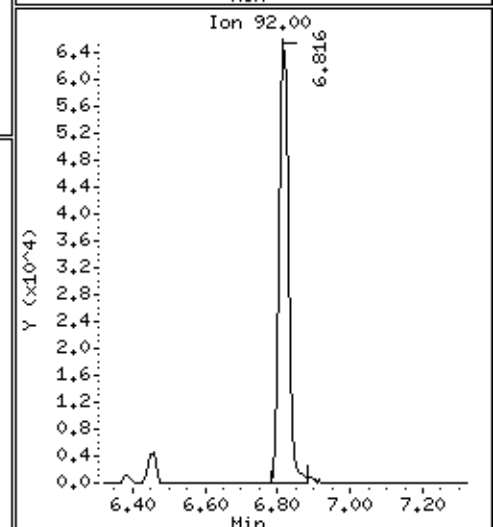
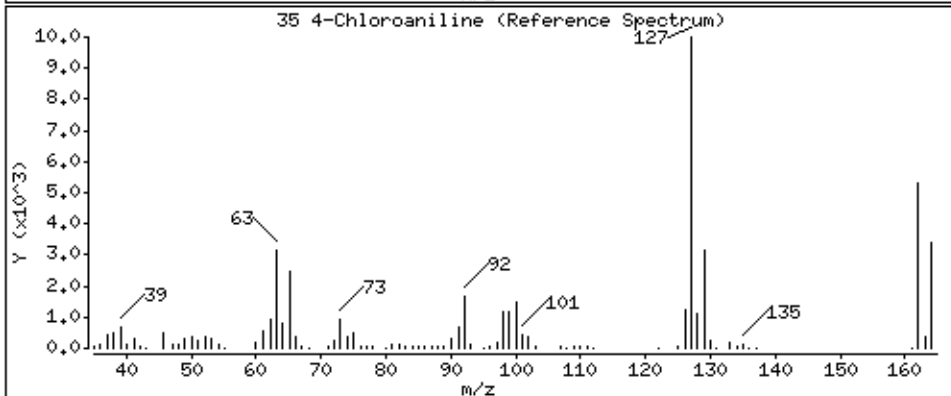
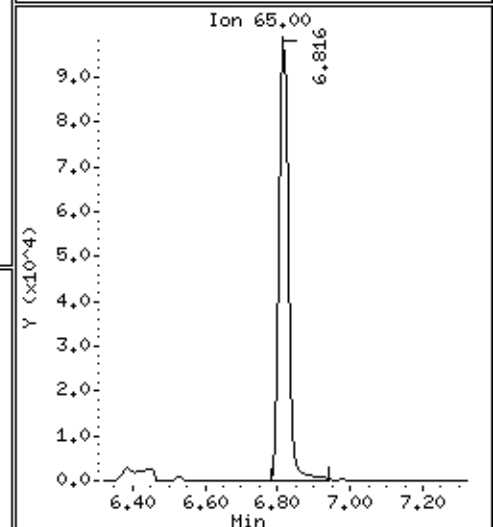
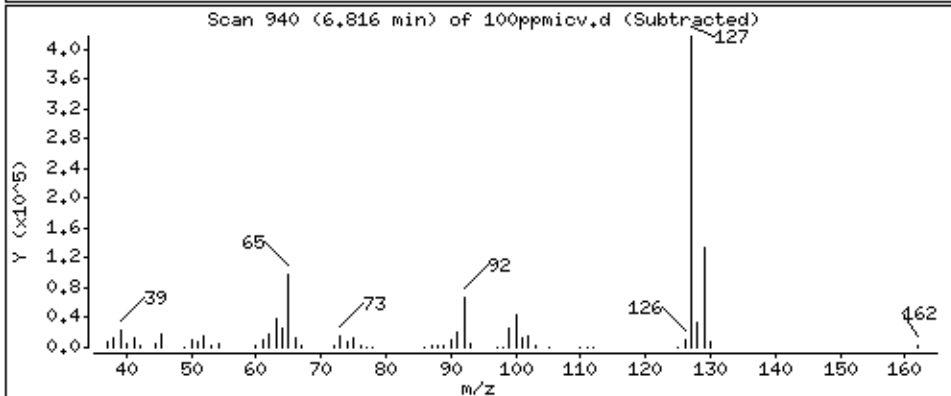
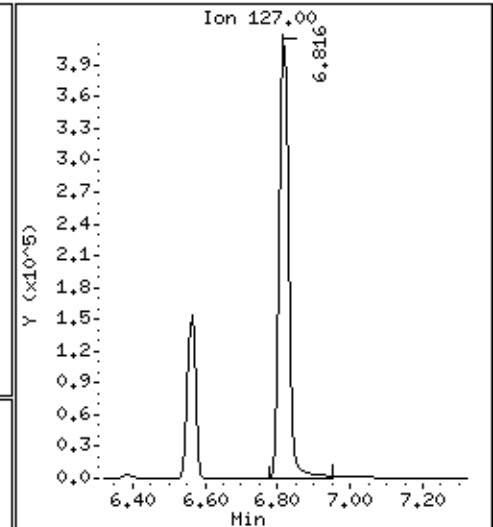
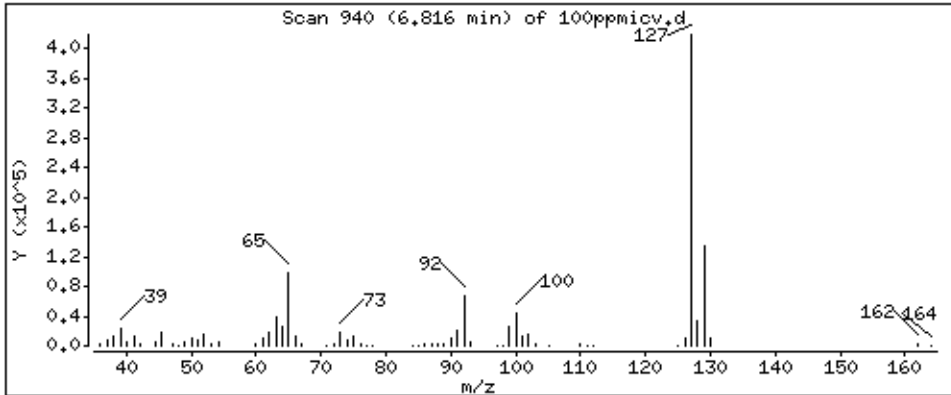
Operator: CEM

Column phase: .50um DB-5ms

Column diameter: 0,25

35 4-Chloroaniline

Concentration: 108.8 ug/L



Date : 10-JUN-2014 13:45

Client ID:

Instrument: 50MSS3.i

Sample Info: ICV,70293:1

Volume Injected (uL): 1.0

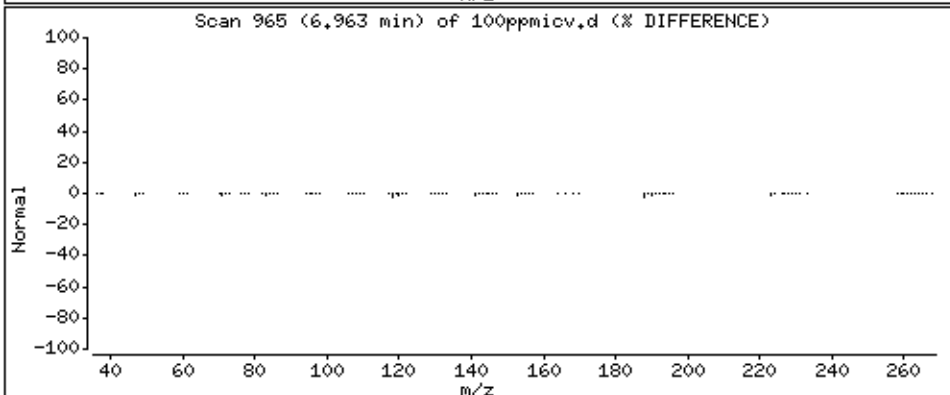
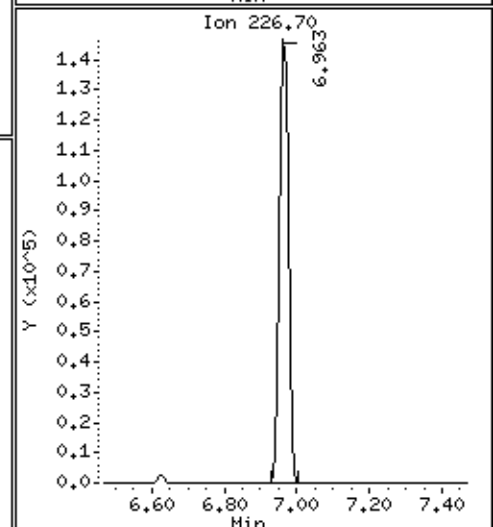
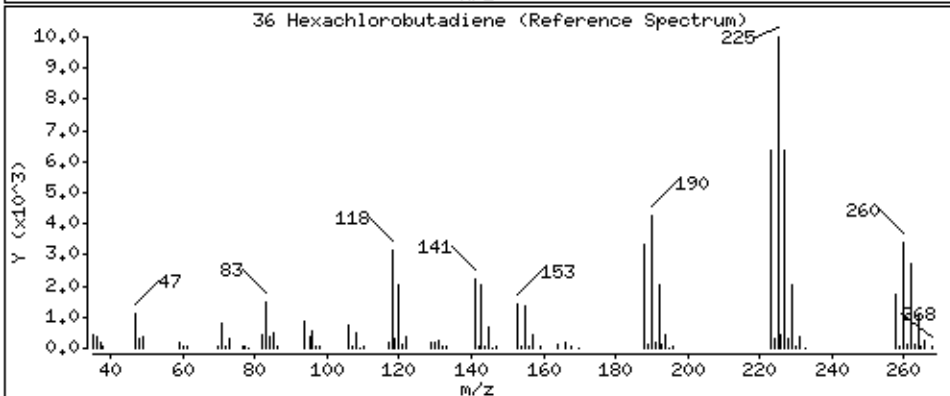
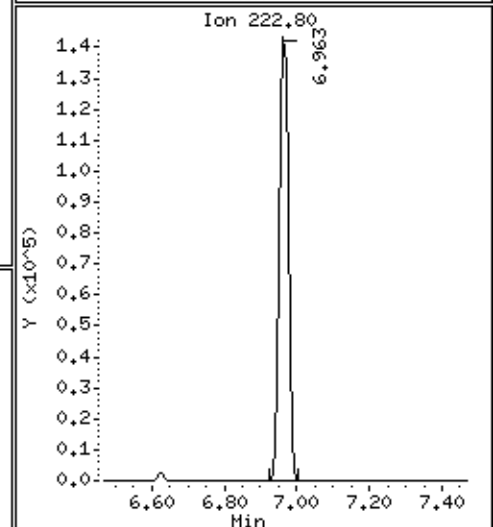
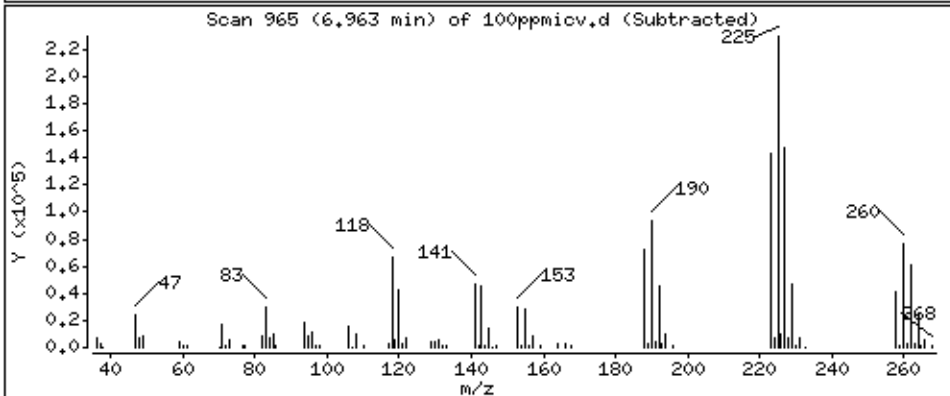
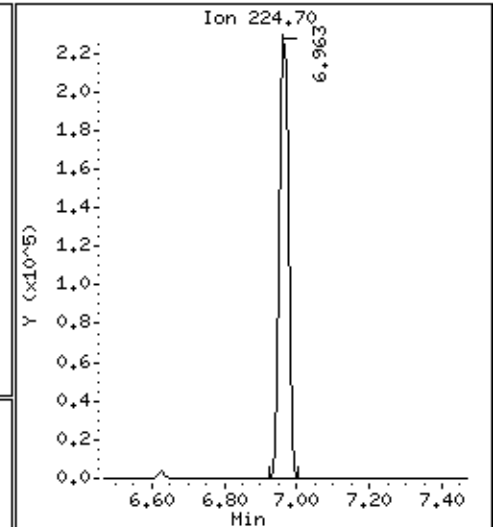
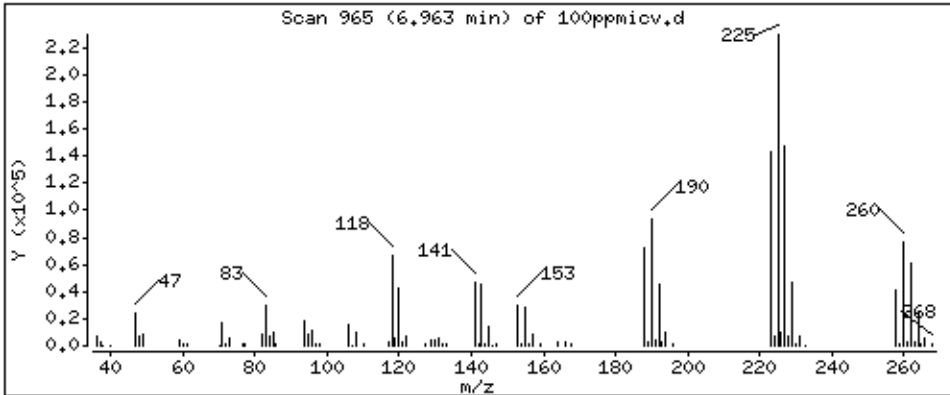
Operator: CEM

Column phase: .50um DB-5ms

Column diameter: 0,25

36 Hexachlorobutadiene

Concentration: 112.3 ug/L



Date : 10-JUN-2014 13:45

Client ID:

Instrument: 50MSS3.i

Sample Info: ICV,70293:1

Volume Injected (uL): 1.0

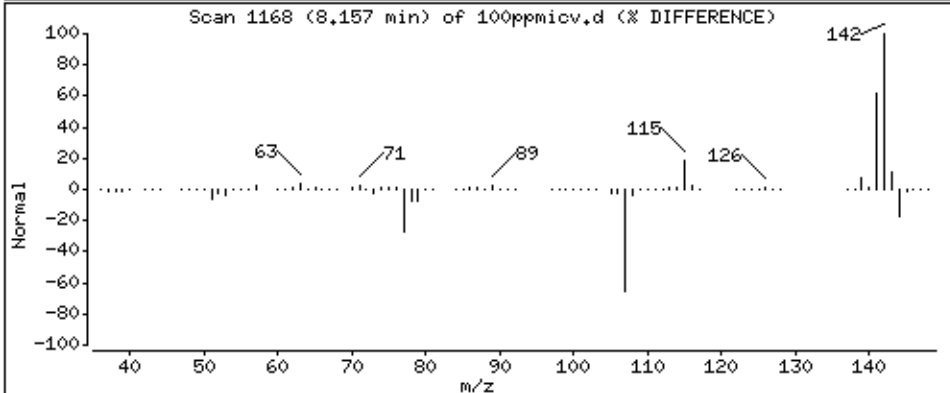
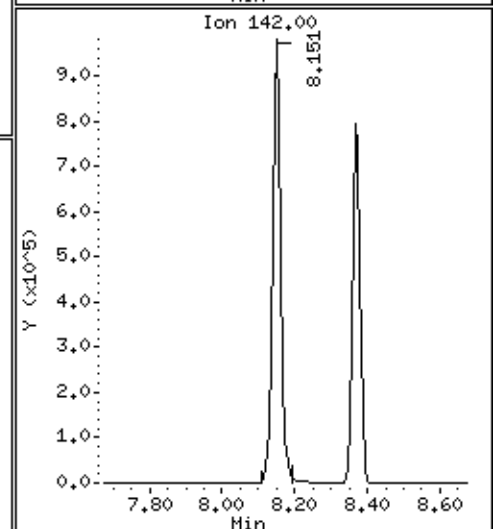
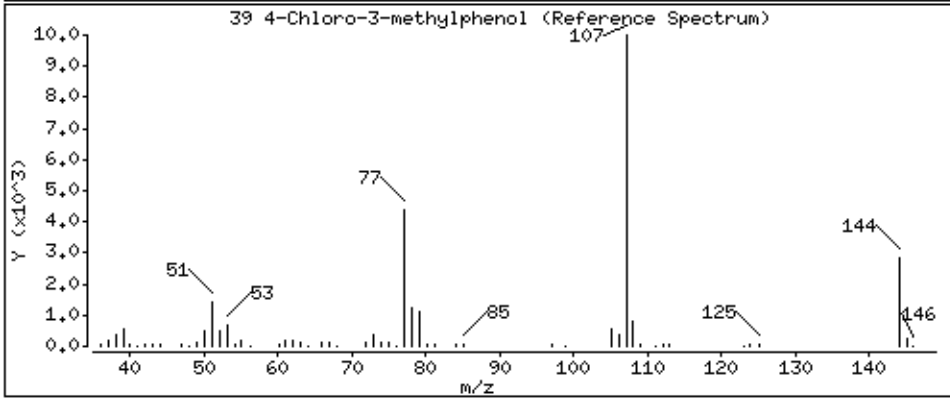
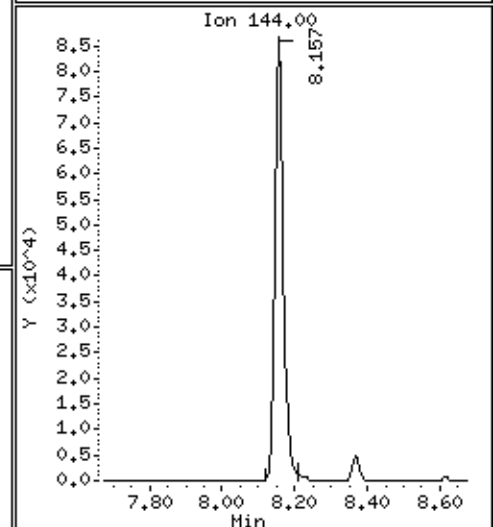
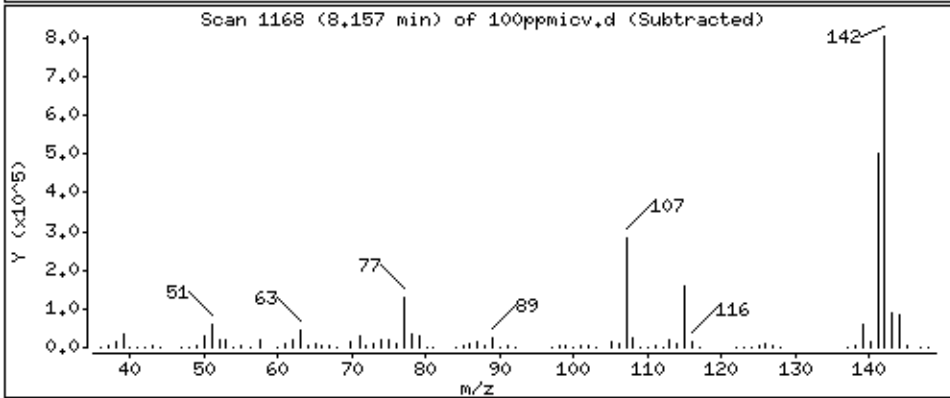
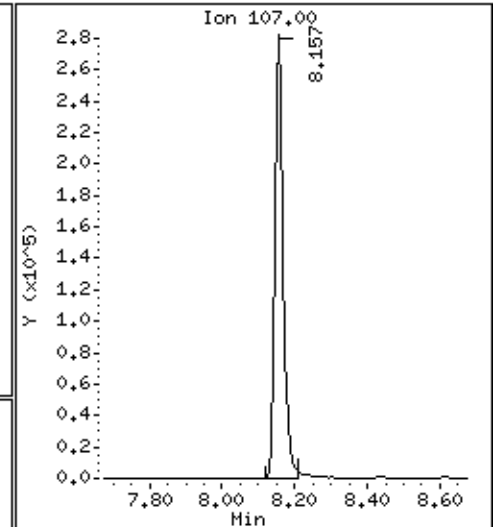
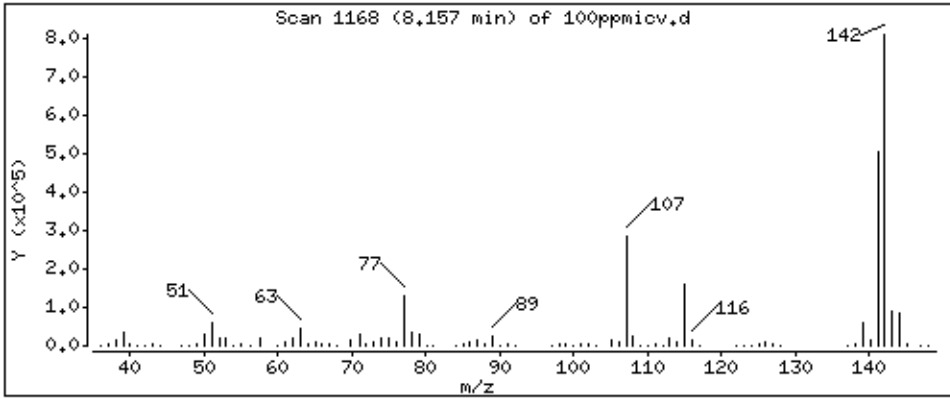
Operator: CEM

Column phase: .50um DB-5ms

Column diameter: 0,25

39 4-Chloro-3-methylphenol

Concentration: 101.7 ug/L



Date : 10-JUN-2014 13:45

Client ID:

Instrument: 50MSS3.i

Sample Info: ICV,70293:1

Volume Injected (uL): 1.0

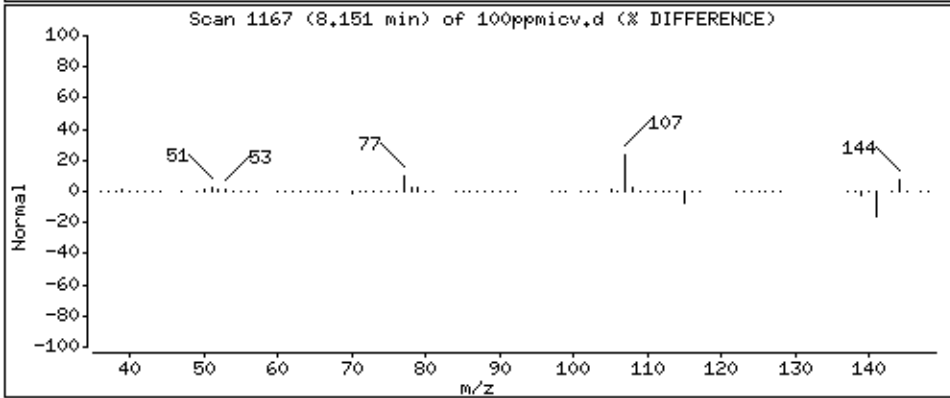
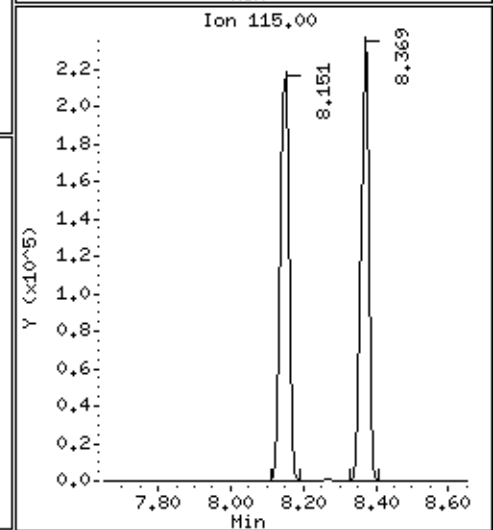
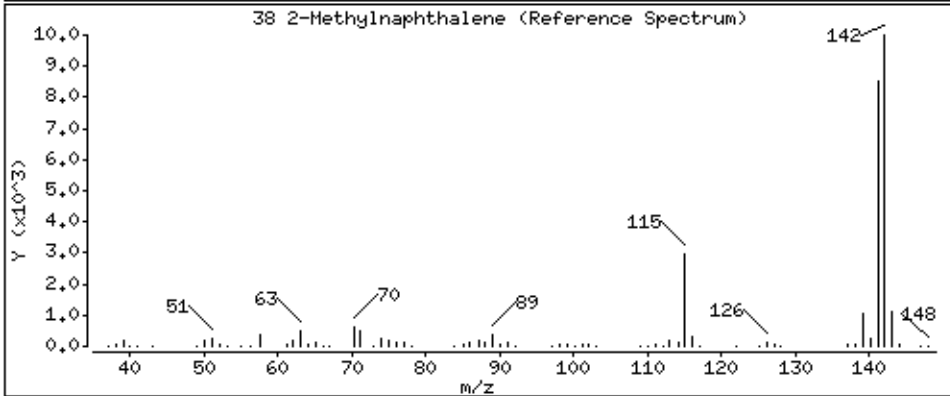
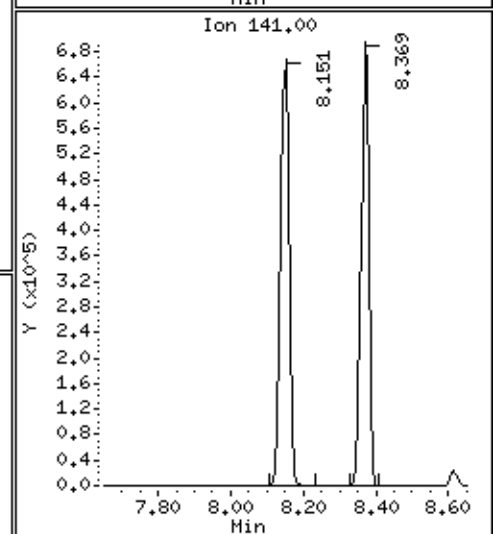
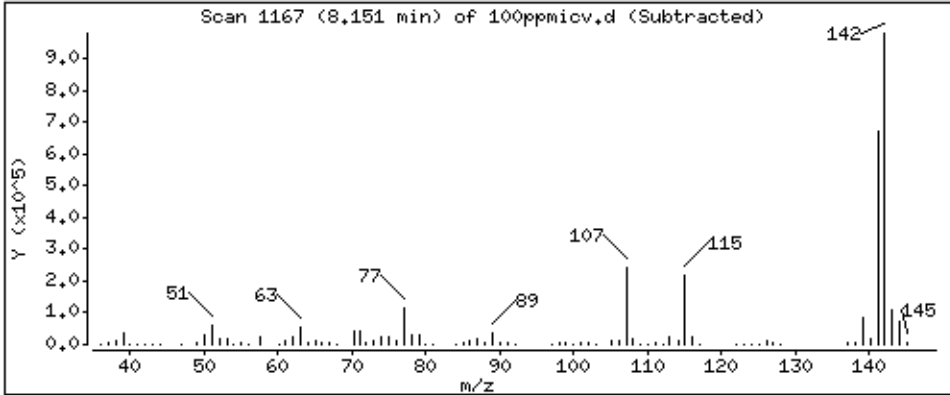
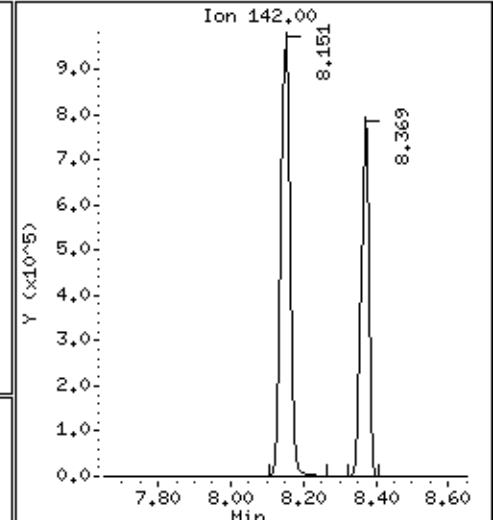
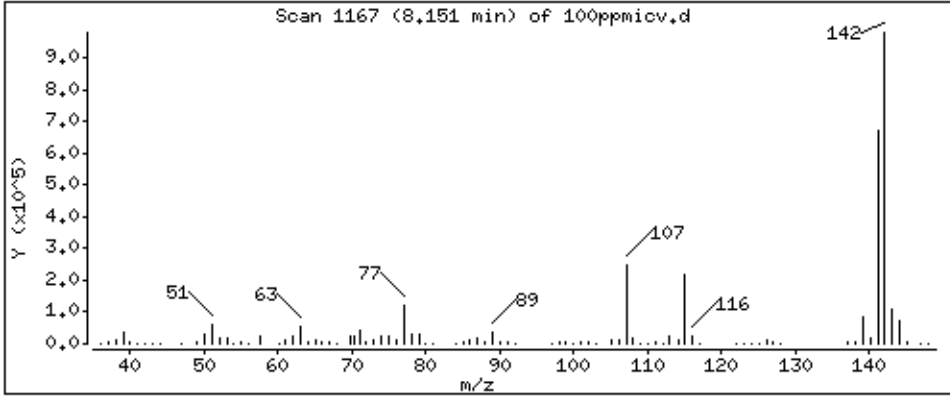
Operator: CEM

Column phase: .50um DB-5ms

Column diameter: 0,25

38 2-Methylnaphthalene

Concentration: 97,64 ug/L



Date : 10-JUN-2014 13:45

Client ID:

Instrument: 50MSS3.i

Sample Info: ICV,70293:1

Volume Injected (uL): 1.0

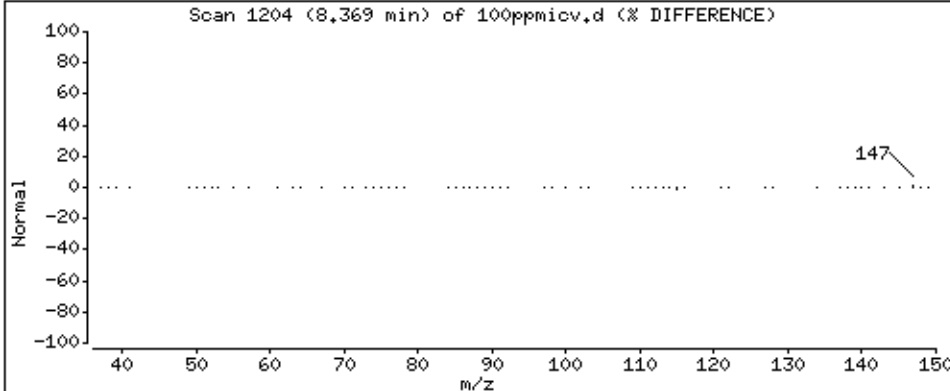
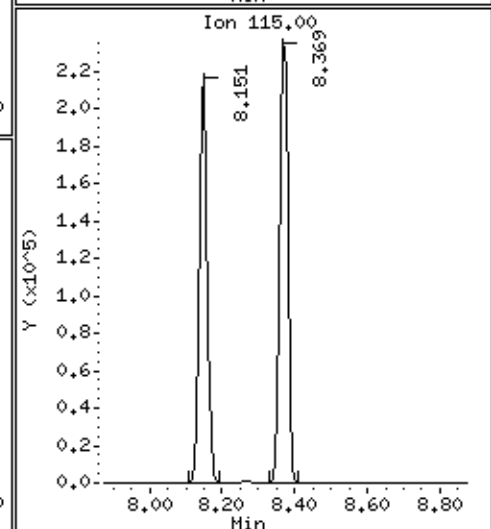
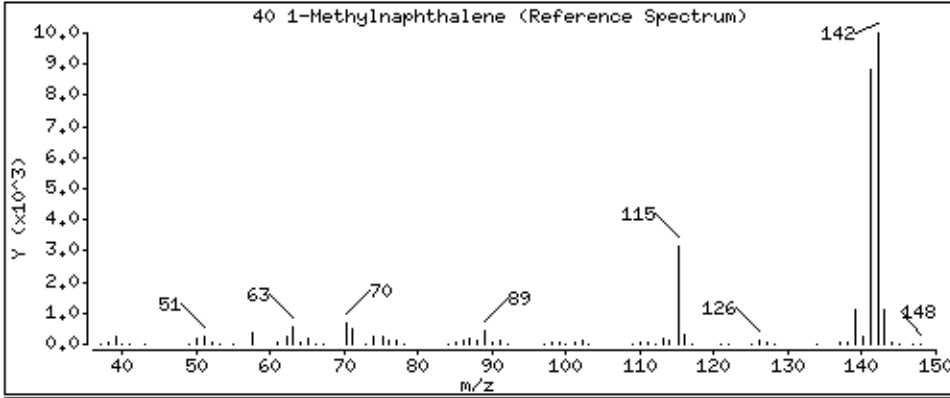
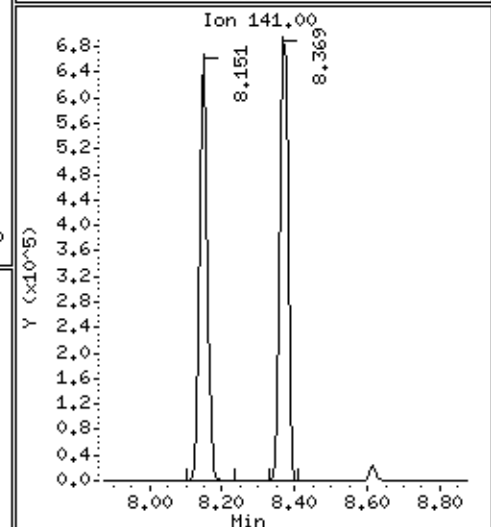
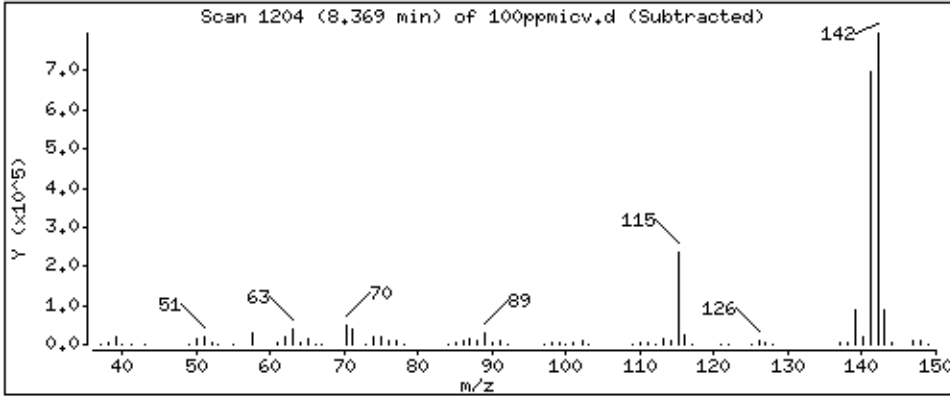
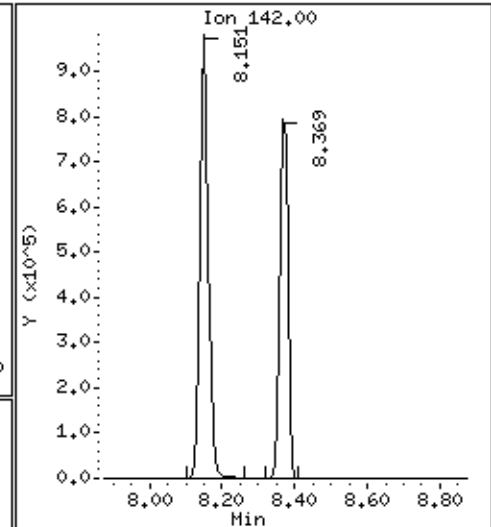
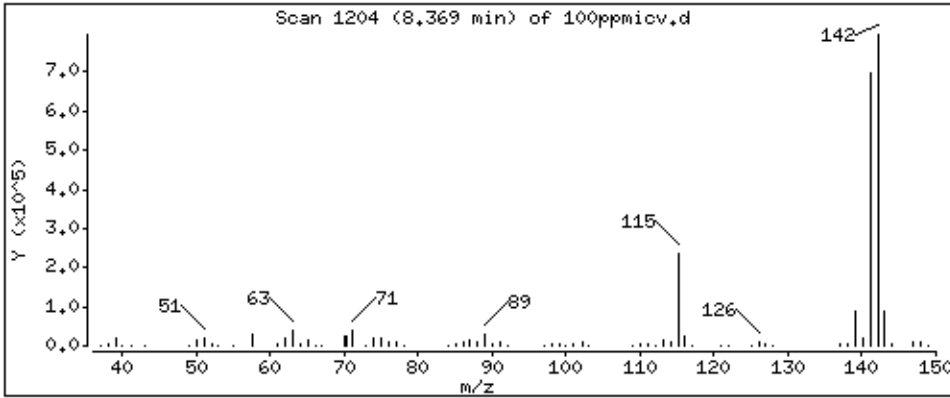
Operator: CEM

Column phase: .50um DB-5ms

Column diameter: 0,25

40 1-Methylnaphthalene

Concentration: 95,38 ug/L



Date : 10-JUN-2014 13:45

Client ID:

Instrument: 50MSS3.i

Sample Info: ICV,70293:1

Volume Injected (uL): 1.0

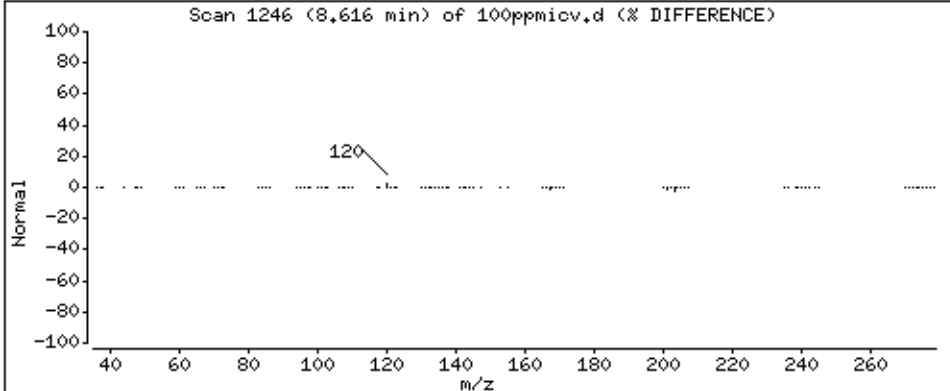
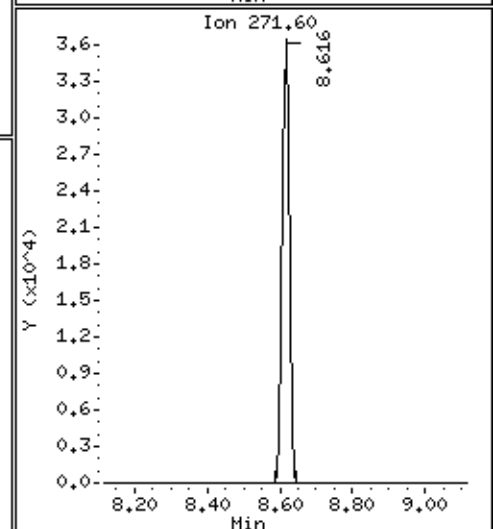
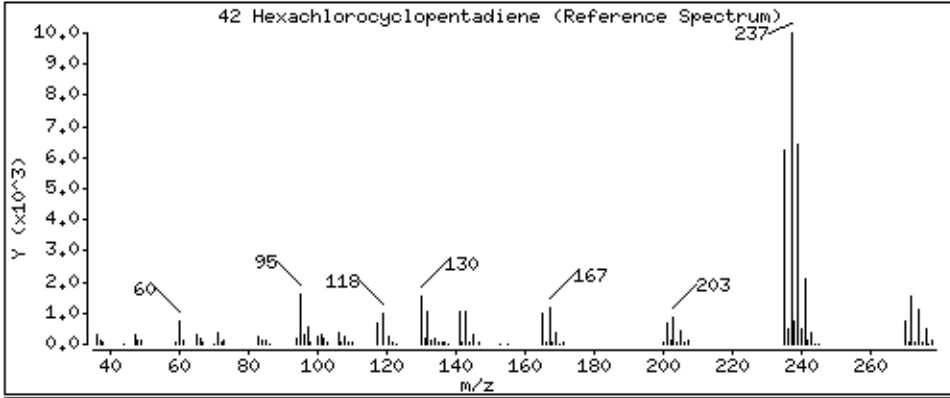
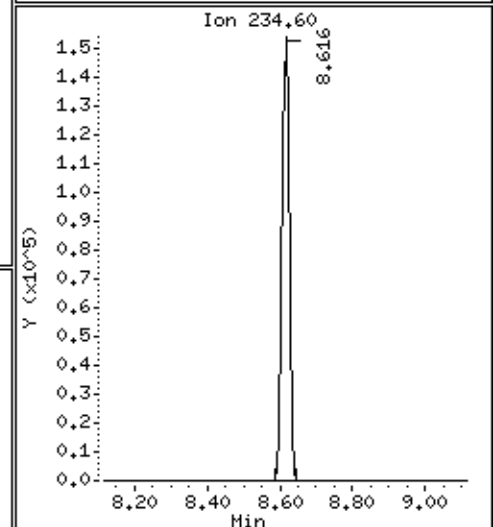
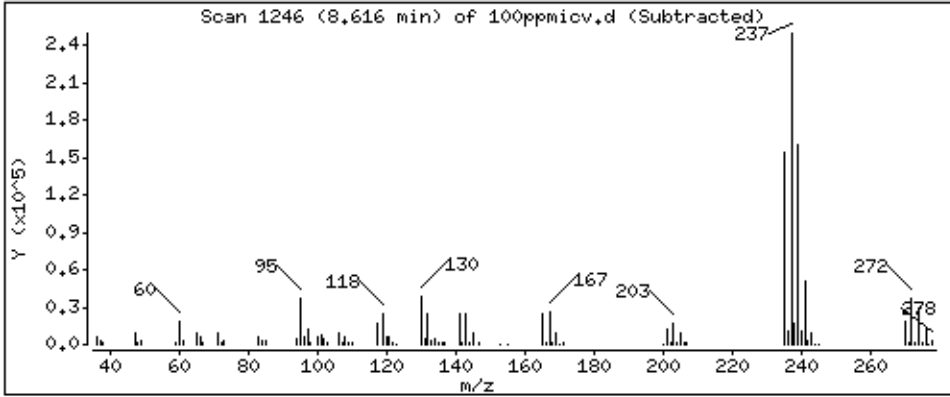
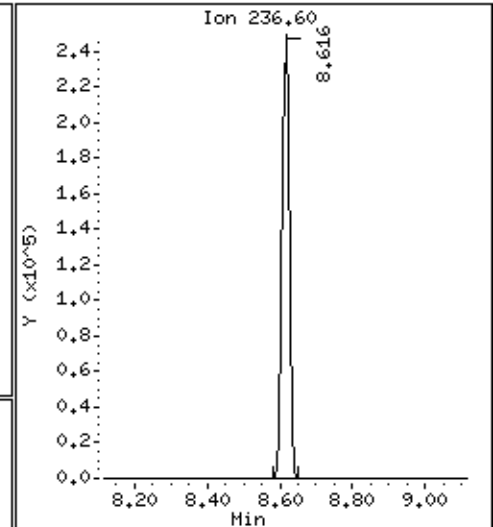
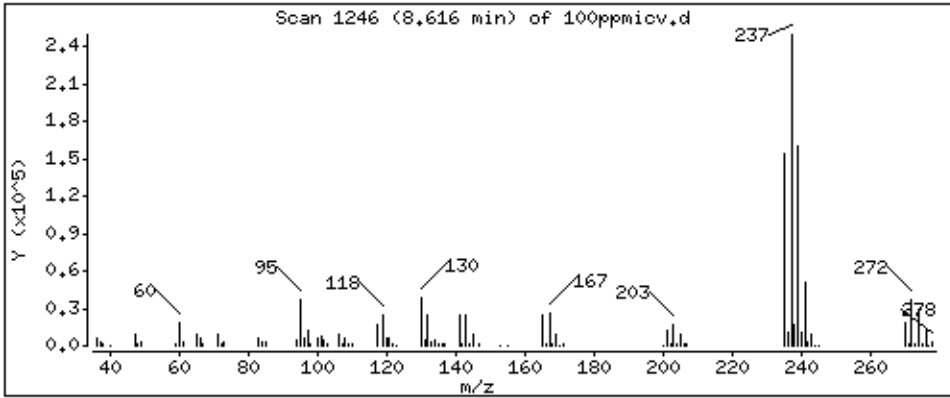
Operator: CEM

Column phase: .50um DB-5ms

Column diameter: 0,25

42 Hexachlorocyclopentadiene

Concentration: 98,92 ug/L



Date : 10-JUN-2014 13:45

Client ID:

Instrument: 50MSS3.i

Sample Info: ICV,70293:1

Volume Injected (uL): 1.0

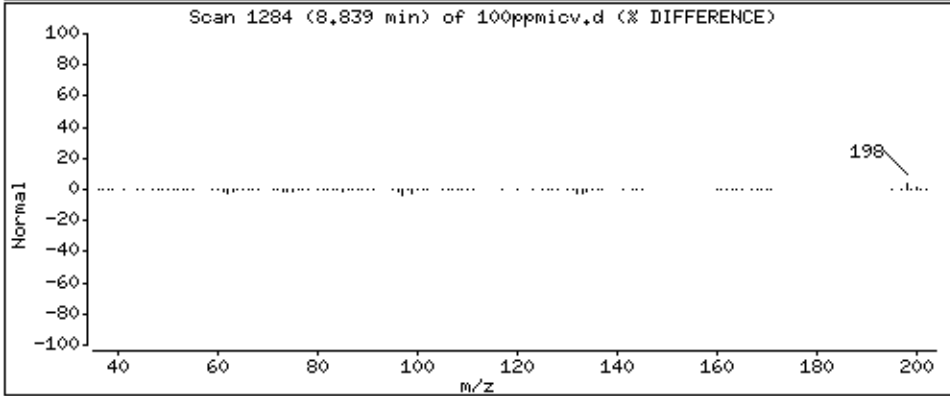
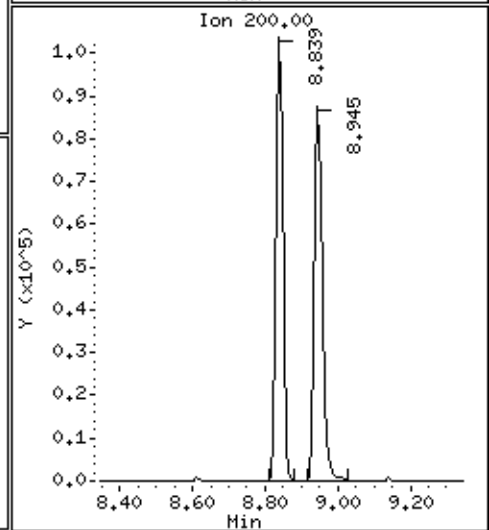
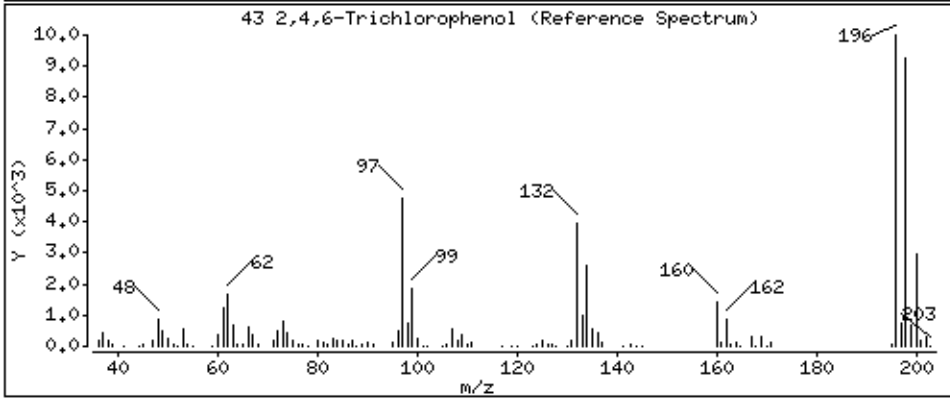
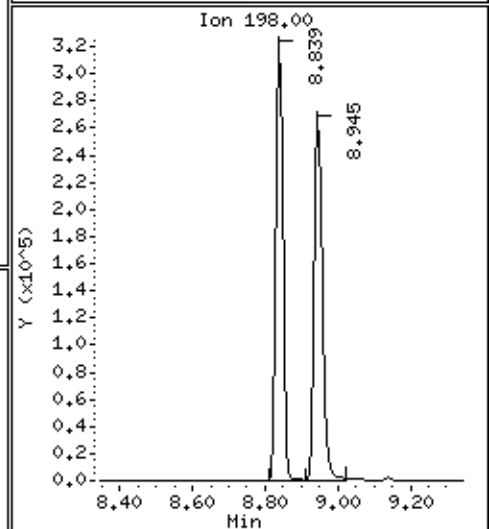
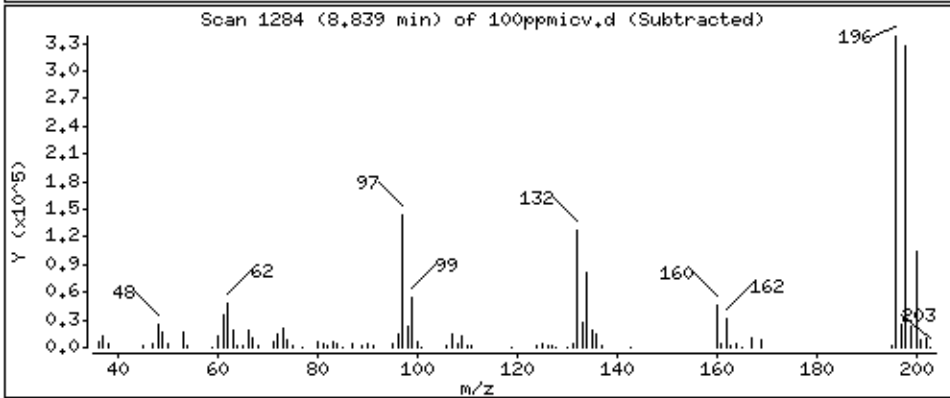
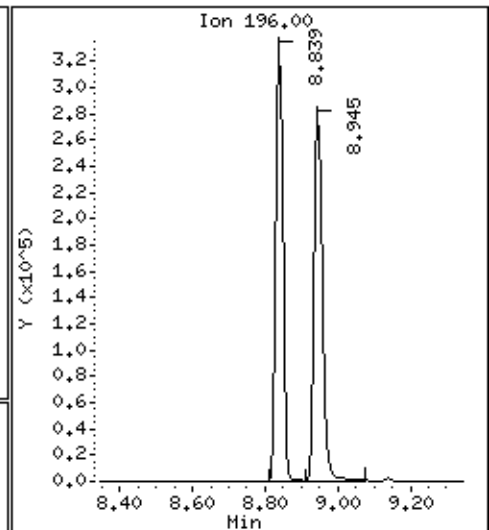
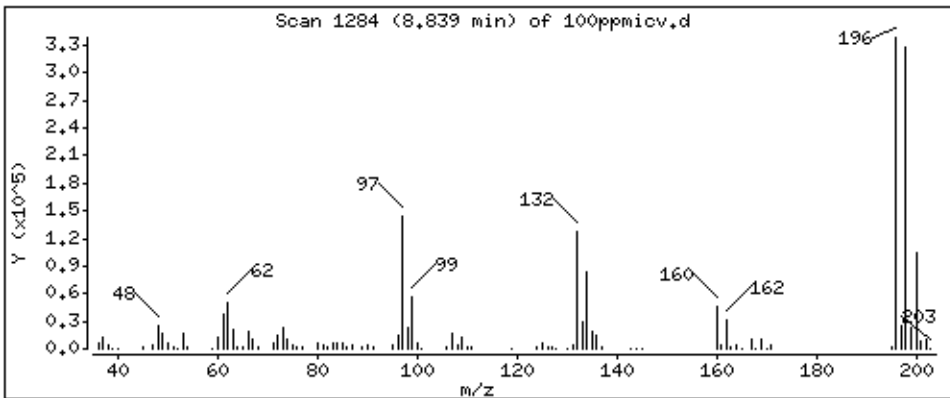
Operator: CEM

Column phase: .50um DB-5ms

Column diameter: 0,25

43 2,4,6-Trichlorophenol

Concentration: 105.0 ug/L



Date : 10-JUN-2014 13:45

Client ID:

Instrument: 50MSS3.i

Sample Info: ICV,70293:1

Volume Injected (uL): 1.0

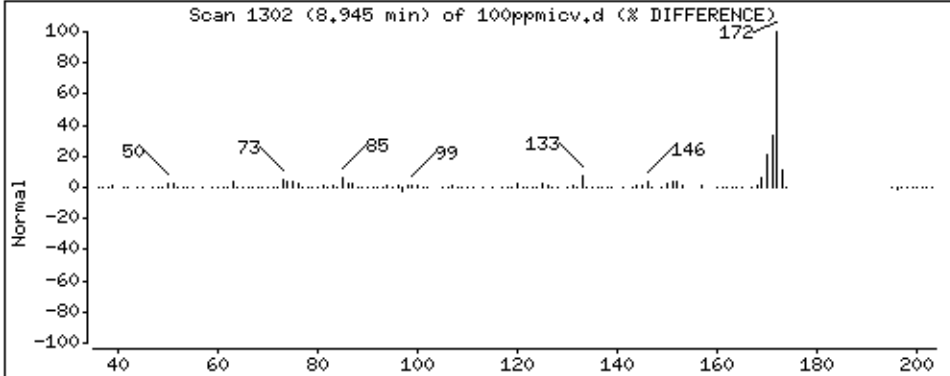
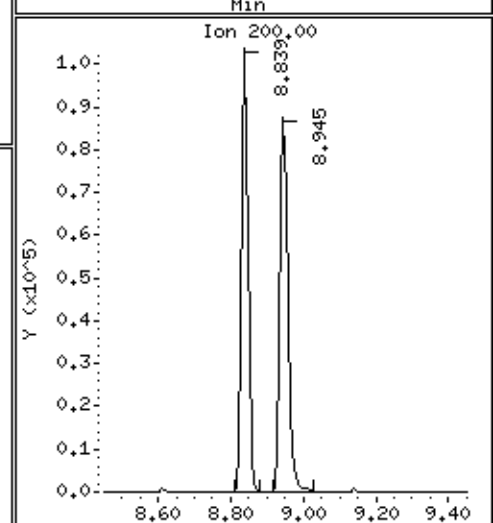
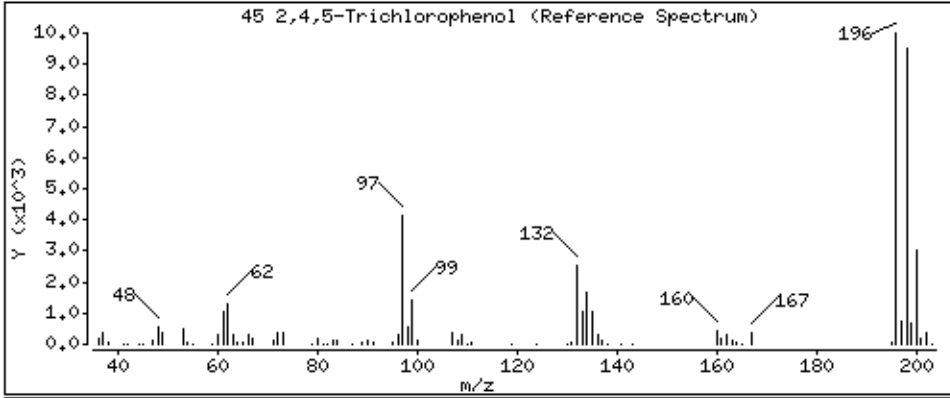
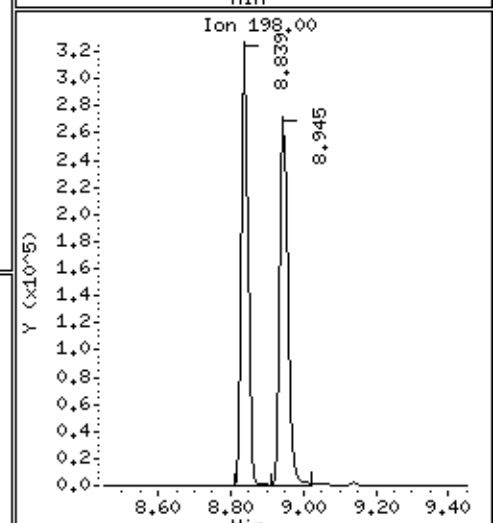
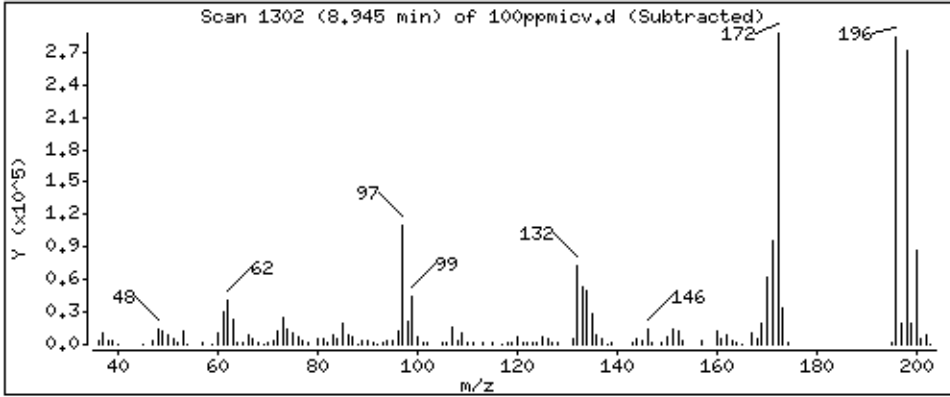
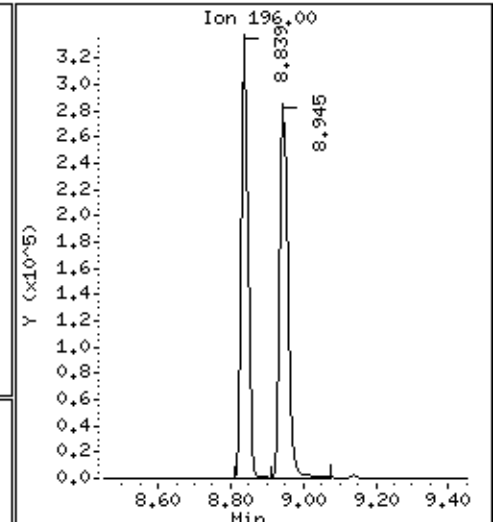
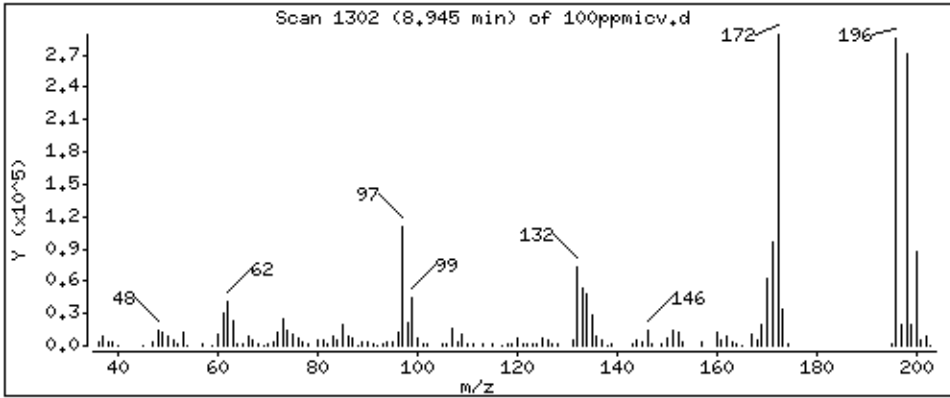
Operator: CEM

Column phase: .50um DB-5ms

Column diameter: 0,25

45 2,4,5-Trichlorophenol

Concentration: 101.4 ug/L



Date : 10-JUN-2014 13:45

Client ID:

Instrument: 50MSS3.i

Sample Info: ICV,70293:1

Volume Injected (uL): 1.0

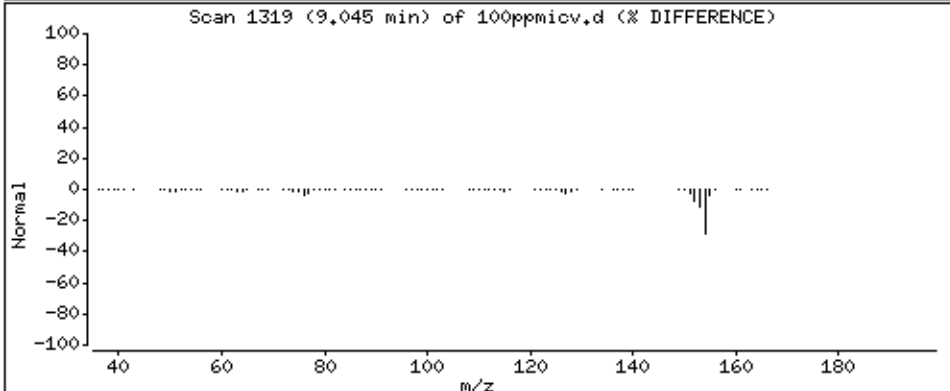
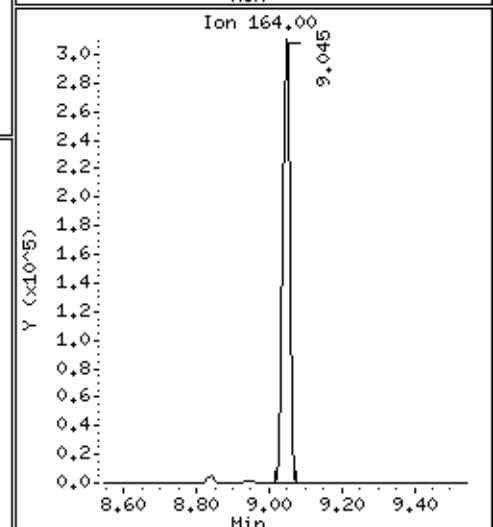
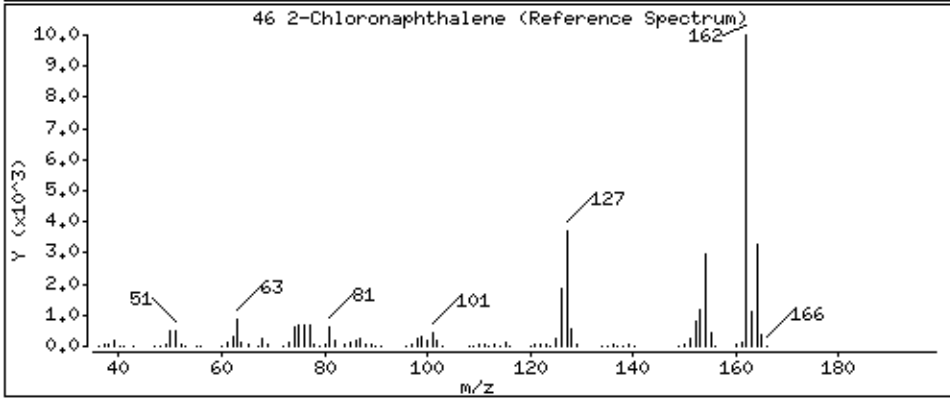
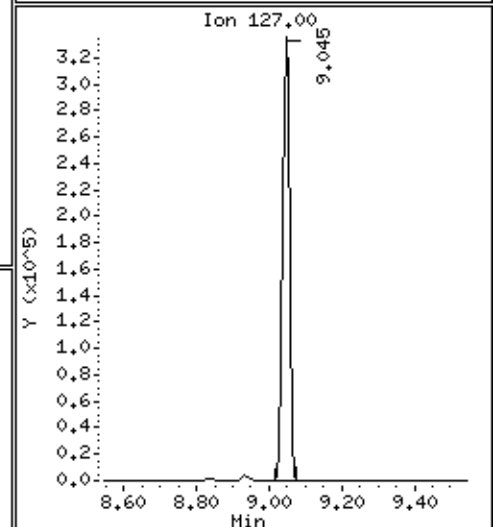
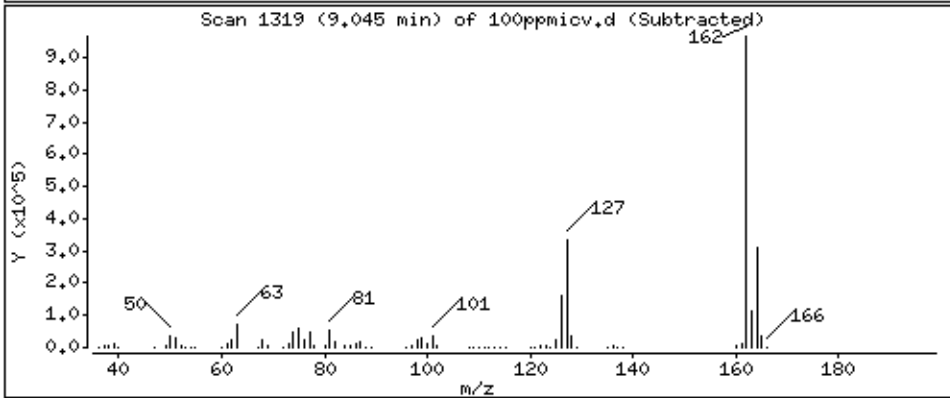
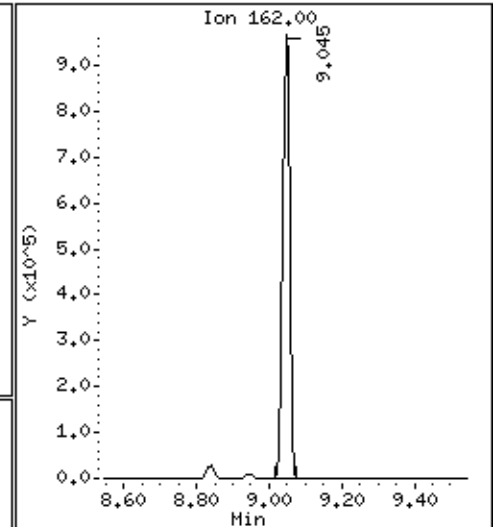
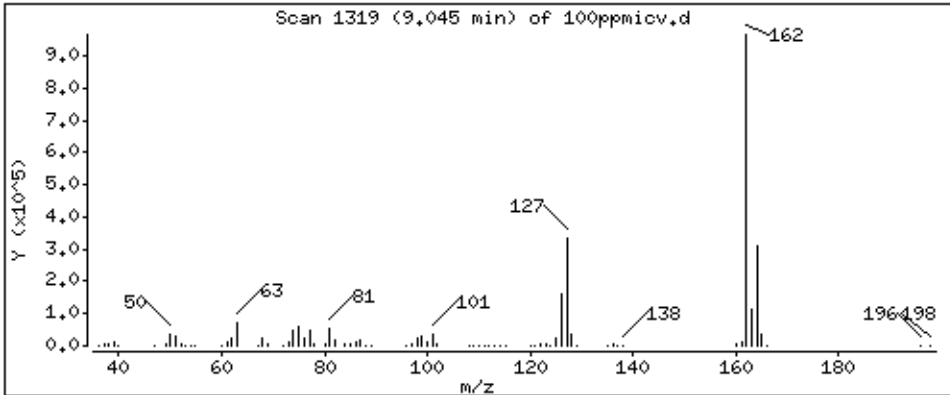
Operator: CEM

Column phase: .50um DB-5ms

Column diameter: 0,25

46 2-Chloronaphthalene

Concentration: 105.1 ug/L



Date : 10-JUN-2014 13:45

Client ID:

Instrument: 50MSS3.i

Sample Info: ICV,70293:1

Volume Injected (uL): 1.0

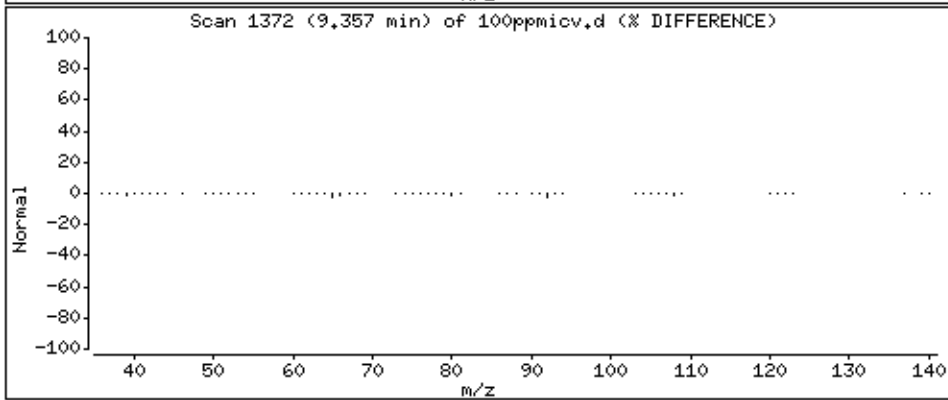
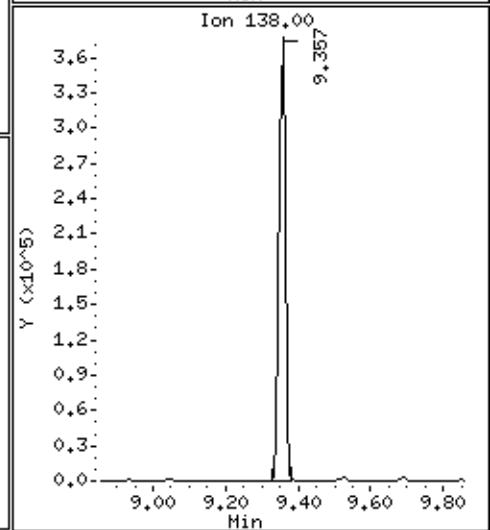
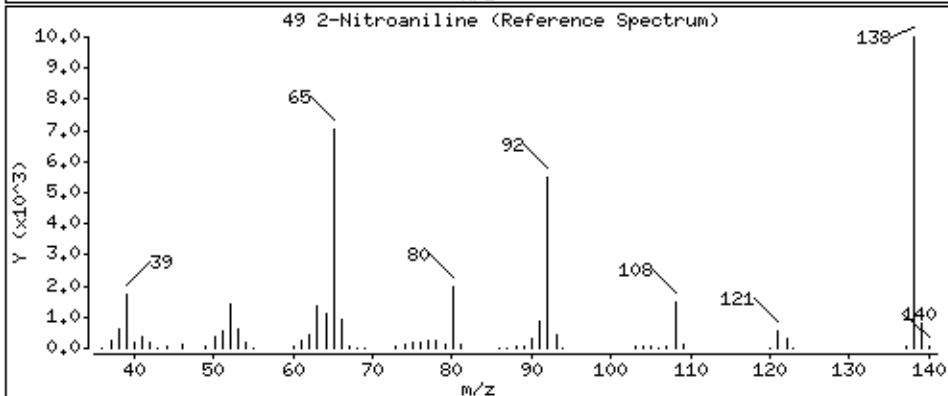
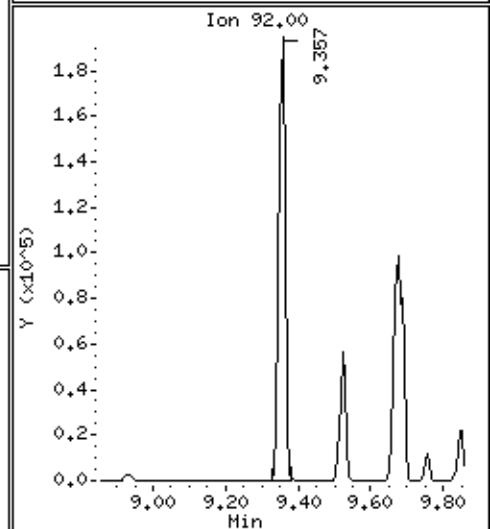
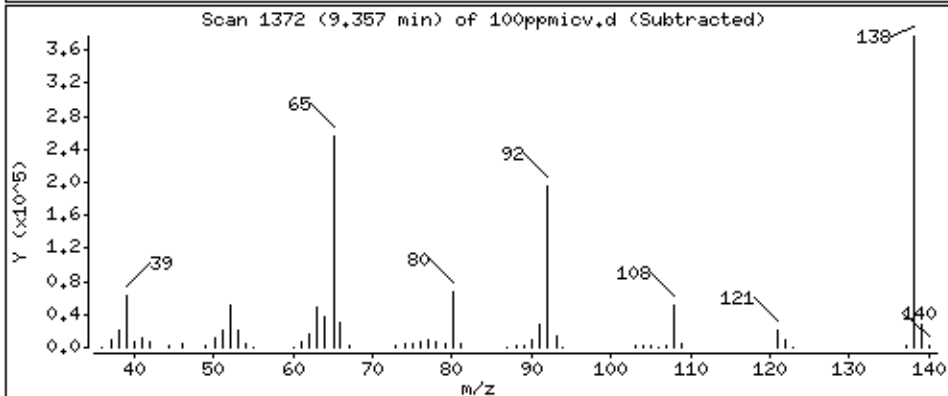
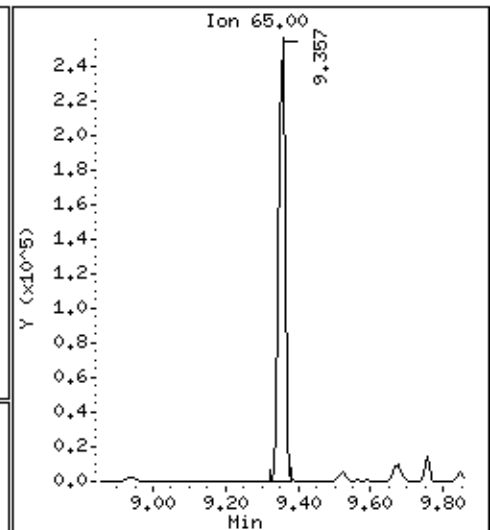
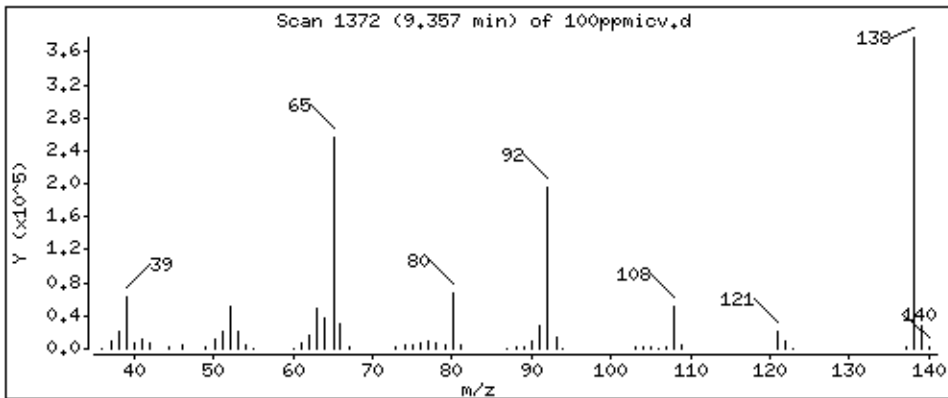
Operator: CEM

Column phase: .50um DB-5ms

Column diameter: 0,25

49 2-Nitroaniline

Concentration: 107.1 ug/L



Date : 10-JUN-2014 13:45

Client ID:

Instrument: 50MSS3.i

Sample Info: ICV,70293:1

Volume Injected (uL): 1.0

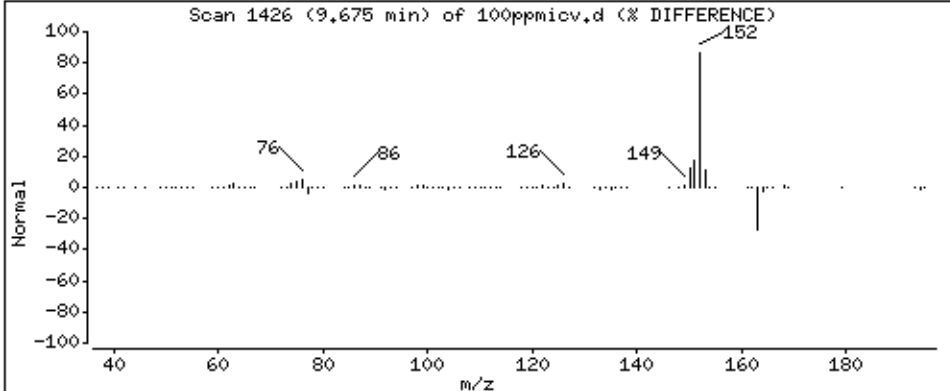
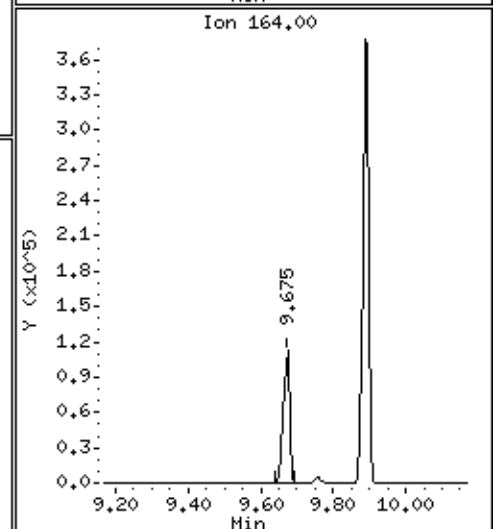
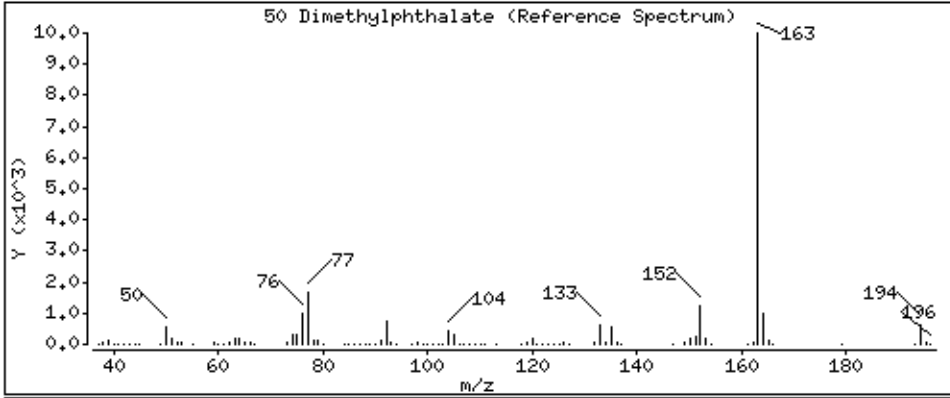
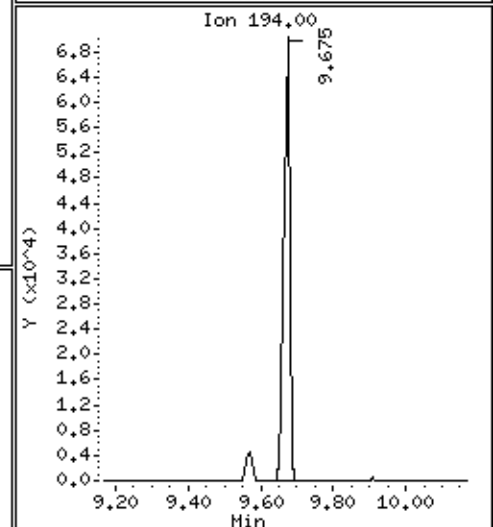
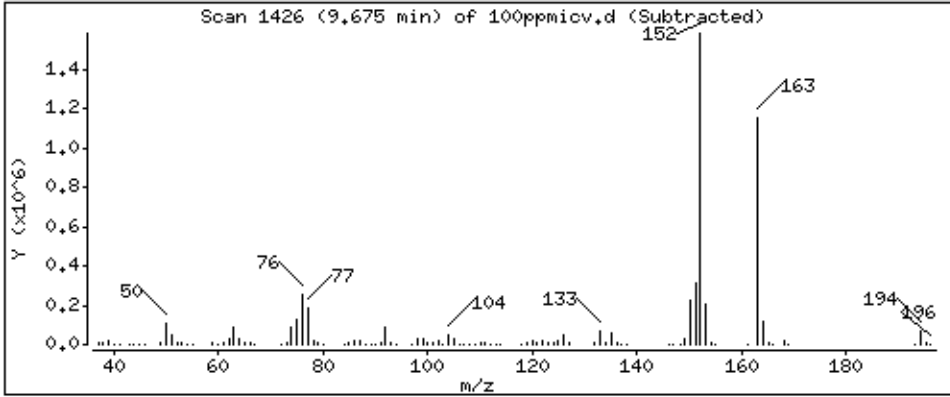
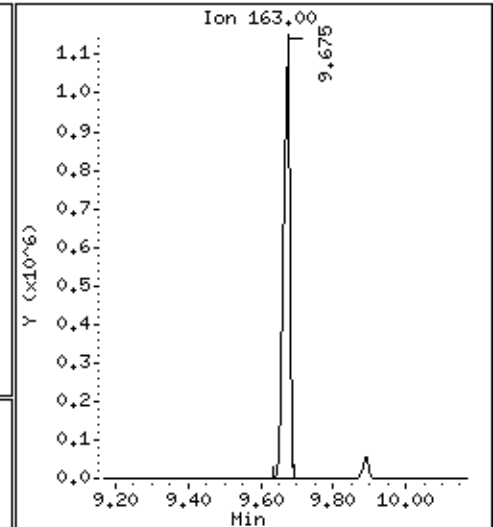
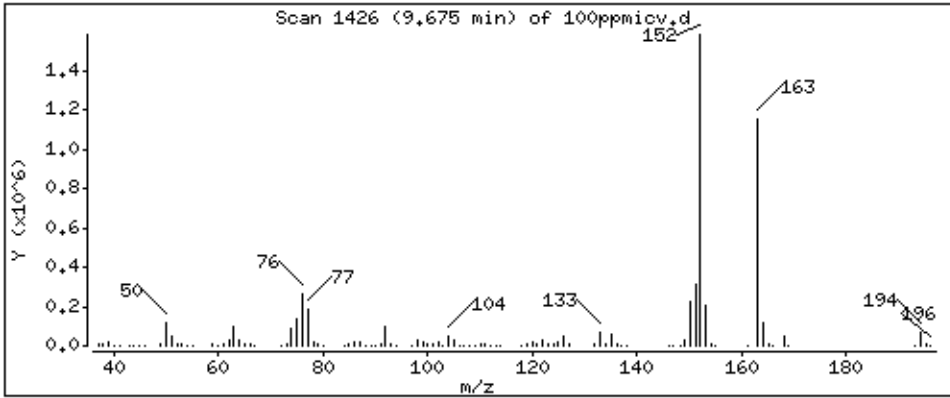
Operator: CEM

Column phase: .50um DB-5ms

Column diameter: 0,25

50 Dimethylphthalate

Concentration: 97,12 ug/L



Date : 10-JUN-2014 13:45

Client ID:

Instrument: 50MSS3.i

Sample Info: ICV,70293:1

Volume Injected (uL): 1.0

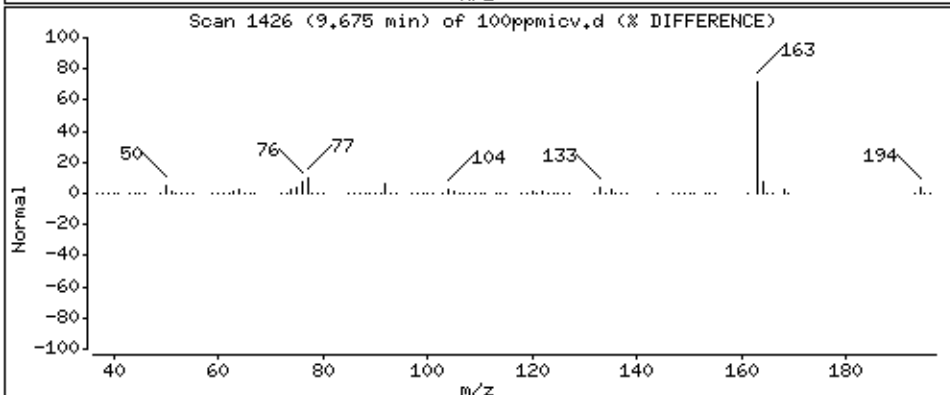
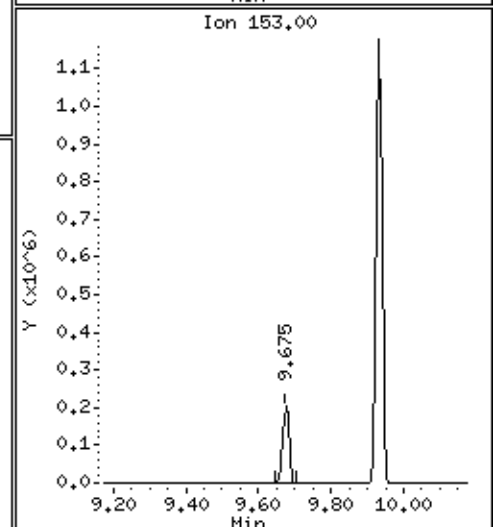
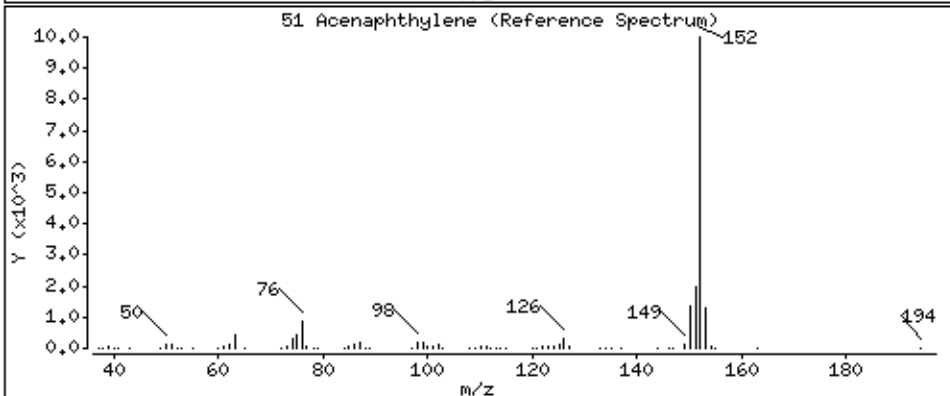
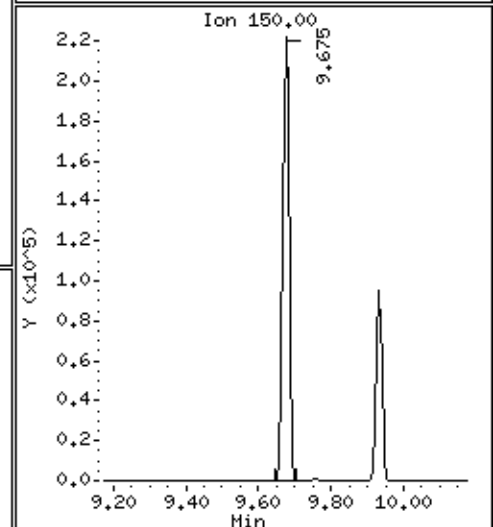
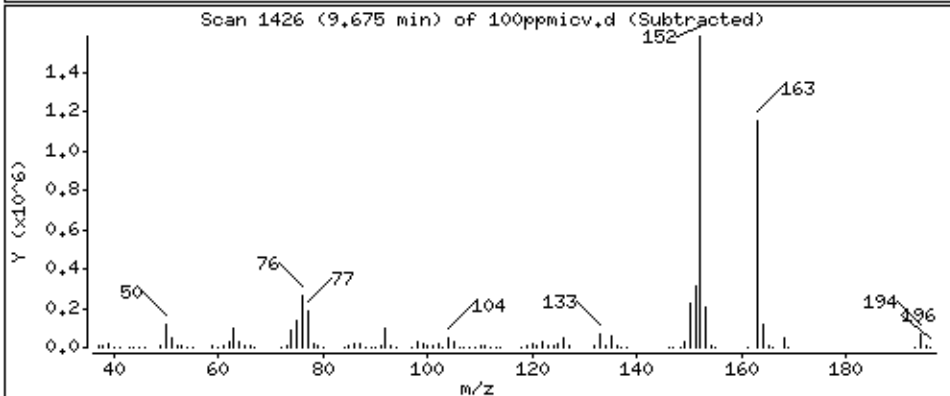
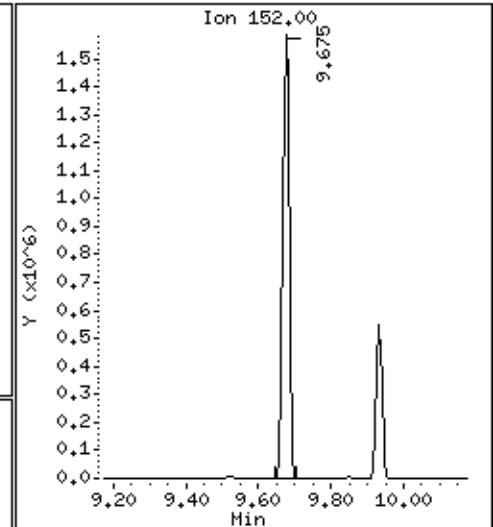
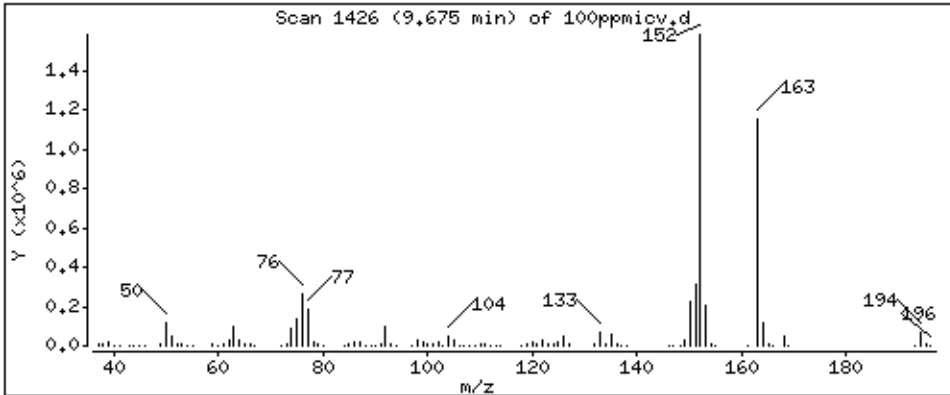
Operator: CEM

Column phase: .50um DB-5ms

Column diameter: 0,25

51 Acenaphthylene

Concentration: 95,73 ug/L



Date : 10-JUN-2014 13:45

Client ID:

Instrument: 50MSS3.i

Sample Info: ICV,70293:1

Volume Injected (uL): 1.0

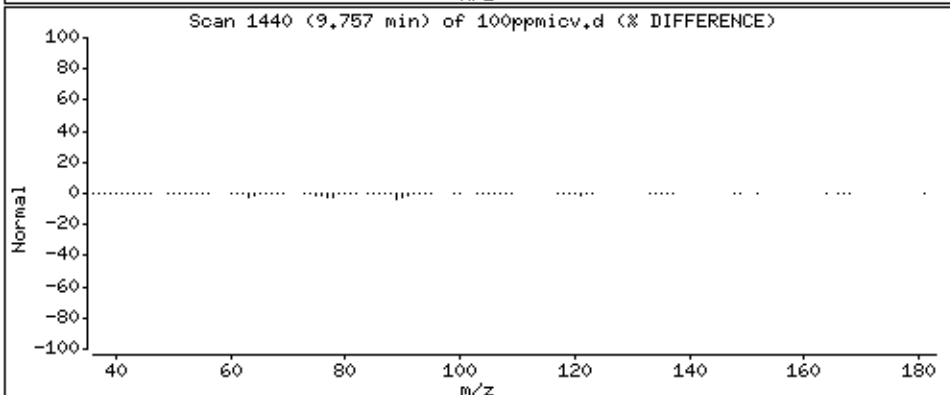
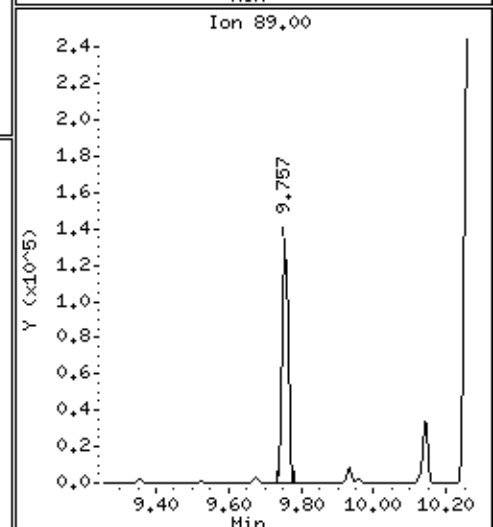
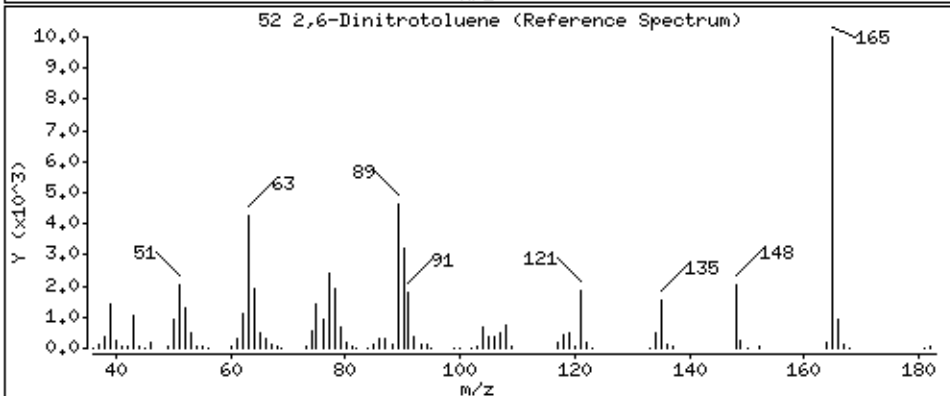
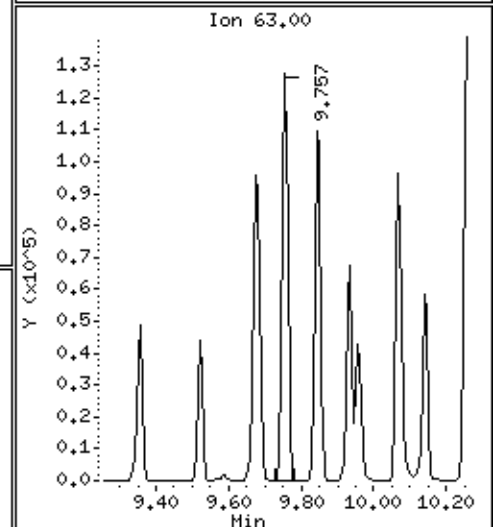
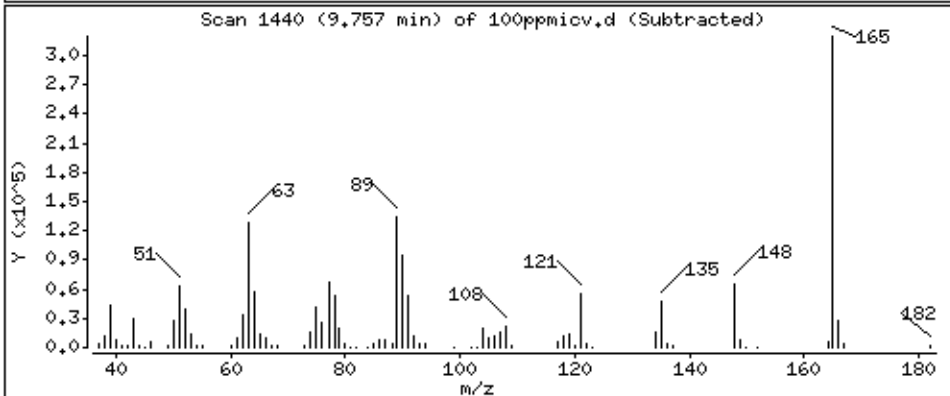
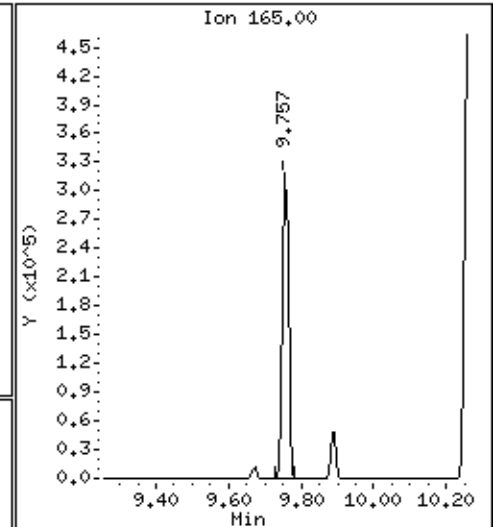
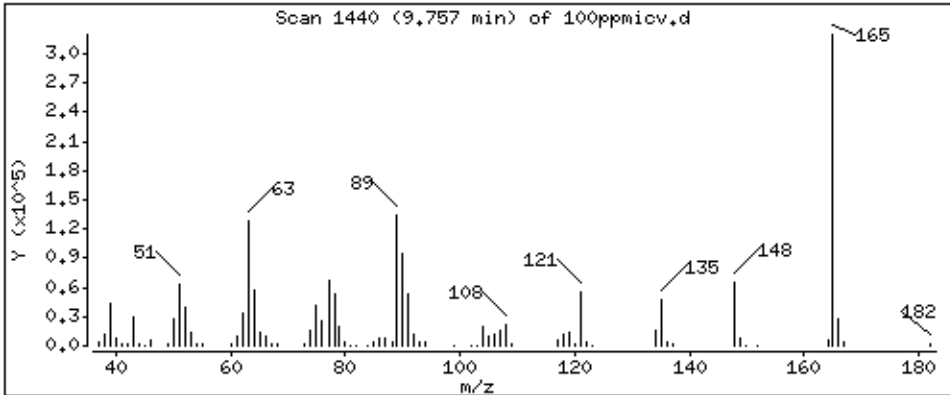
Operator: CEM

Column phase: .50um DB-5ms

Column diameter: 0,25

52 2,6-Dinitrotoluene

Concentration: 114.0 ug/L



Date : 10-JUN-2014 13:45

Client ID:

Instrument: 50MSS3.i

Sample Info: ICV,70293:1

Volume Injected (uL): 1.0

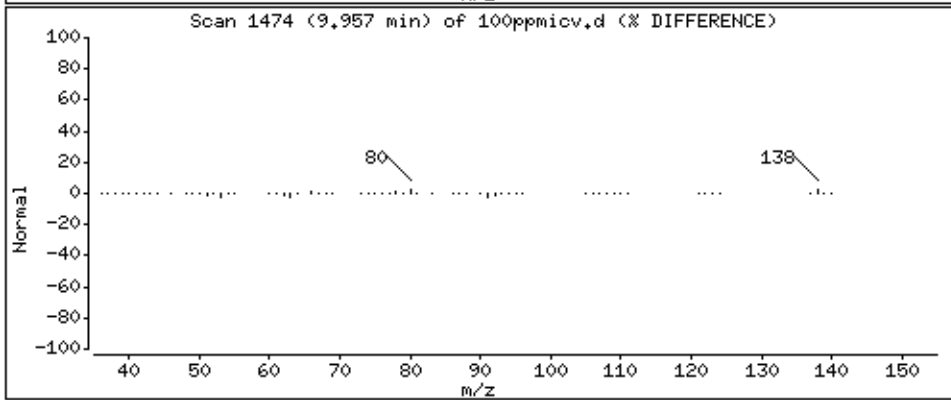
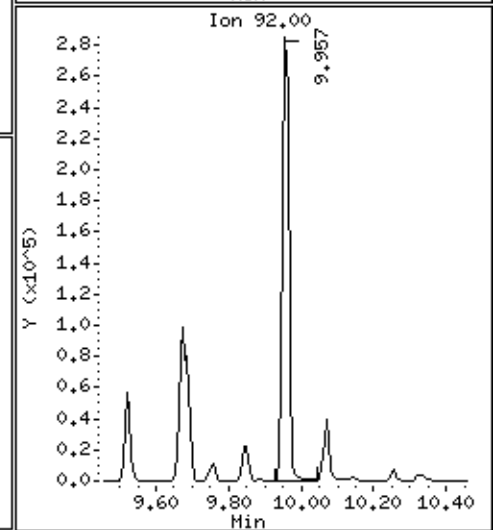
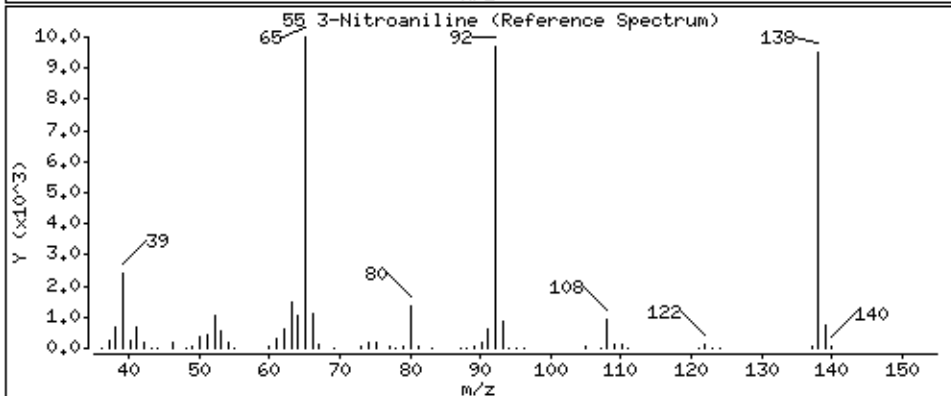
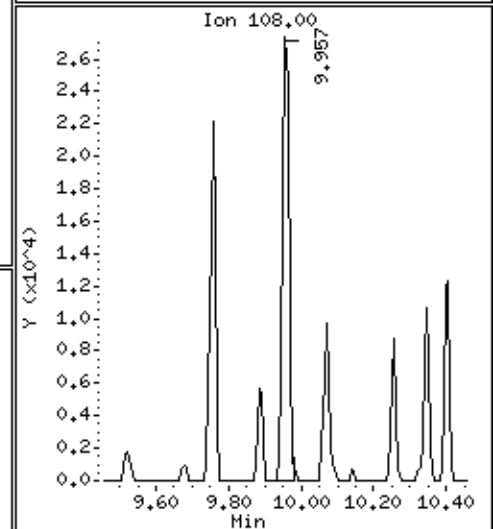
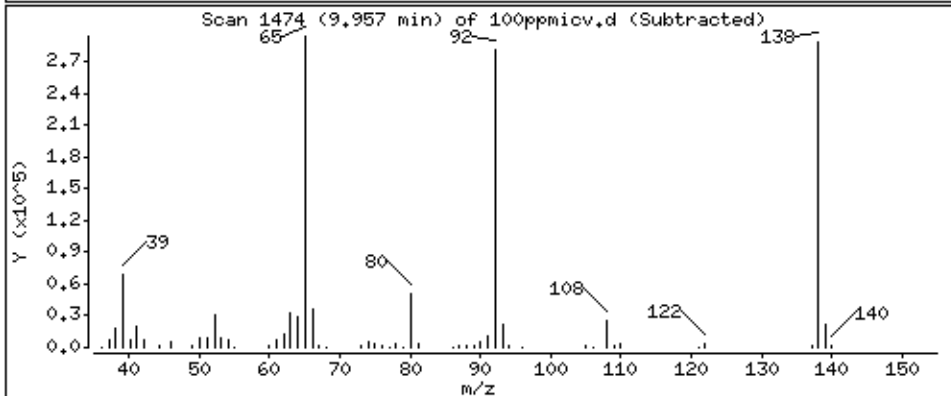
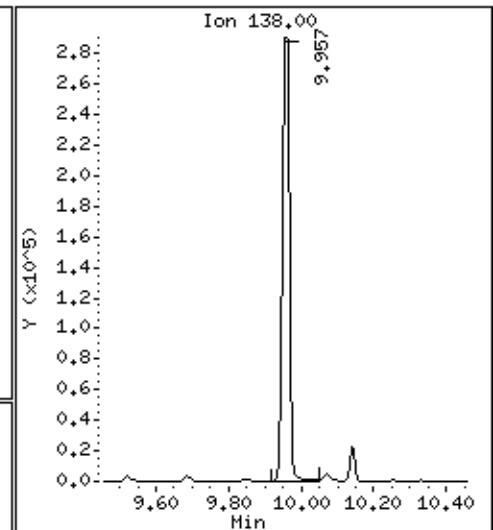
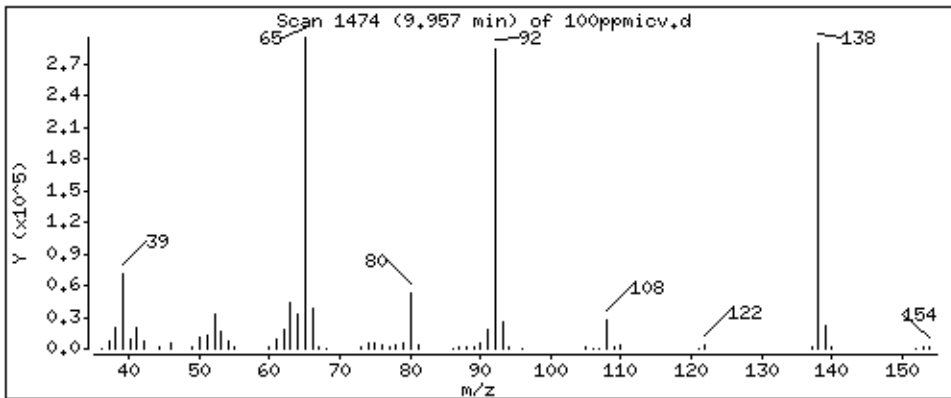
Operator: CEM

Column phase: .50um DB-5ms

Column diameter: 0,25

55 3-Nitroaniline

Concentration: 112.8 ug/L



Date : 10-JUN-2014 13:45

Client ID:

Instrument: 50MSS3.i

Sample Info: ICV,70293:1

Volume Injected (uL): 1.0

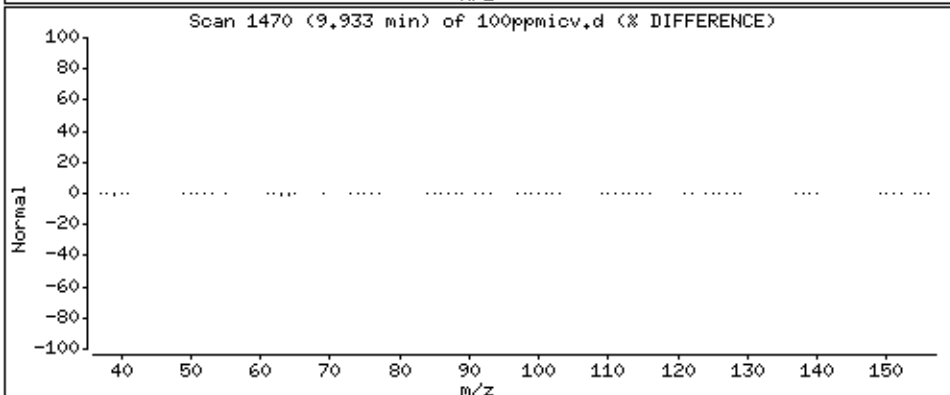
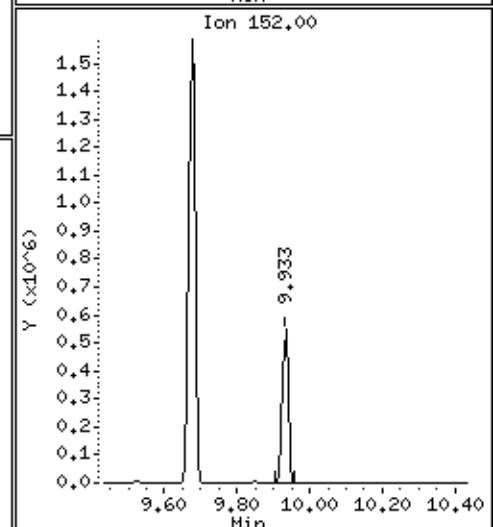
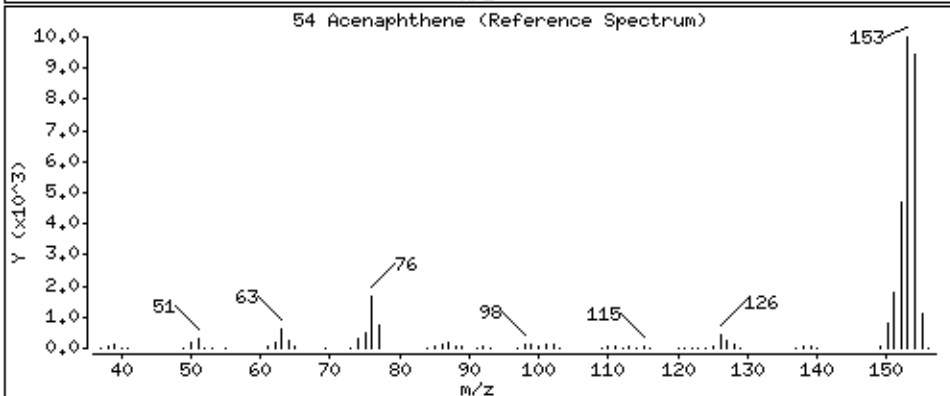
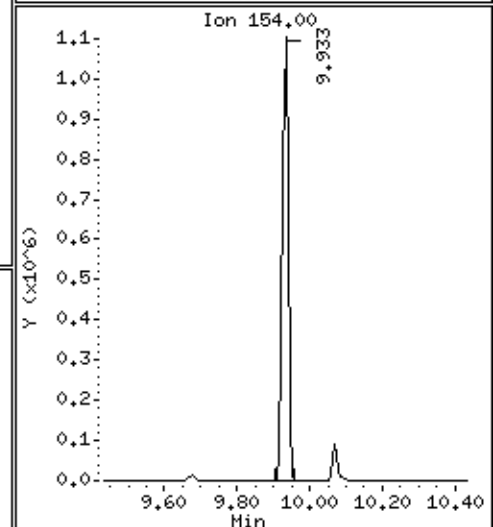
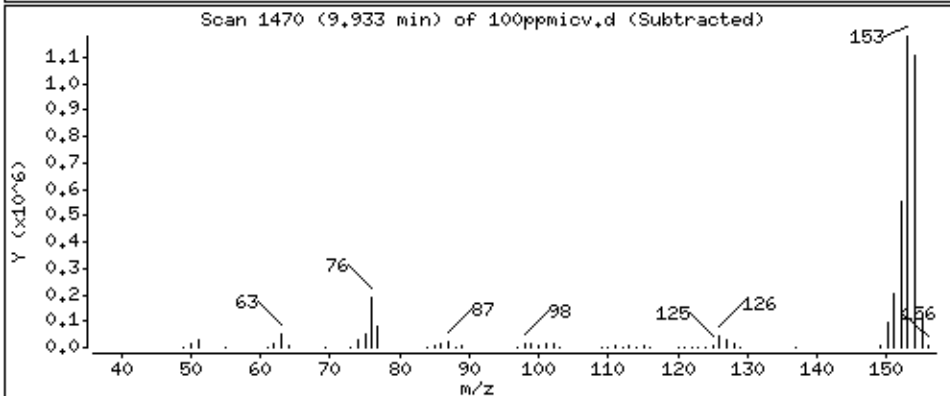
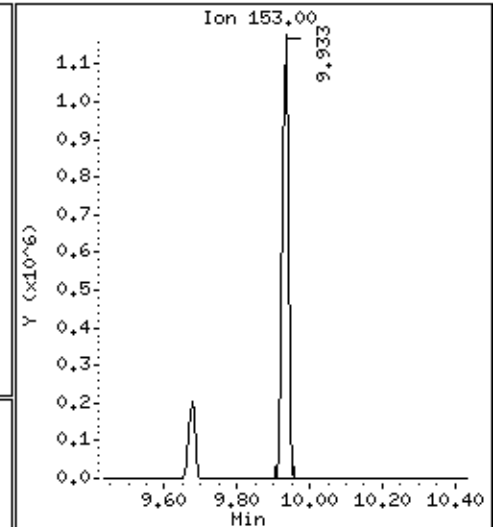
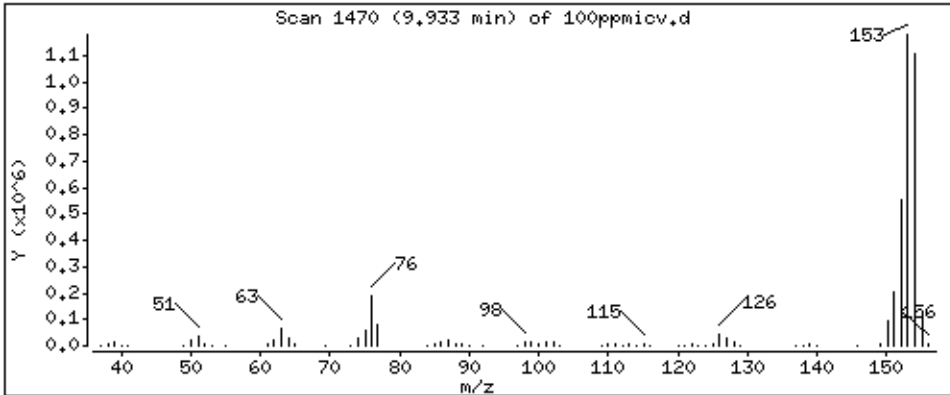
Operator: CEM

Column phase: .50um DB-5ms

Column diameter: 0,25

54 Acenaphthene

Concentration: 100.6 ug/L



Date : 10-JUN-2014 13:45

Client ID:

Instrument: 50MSS3.i

Sample Info: ICV,70293:1

Volume Injected (uL): 1.0

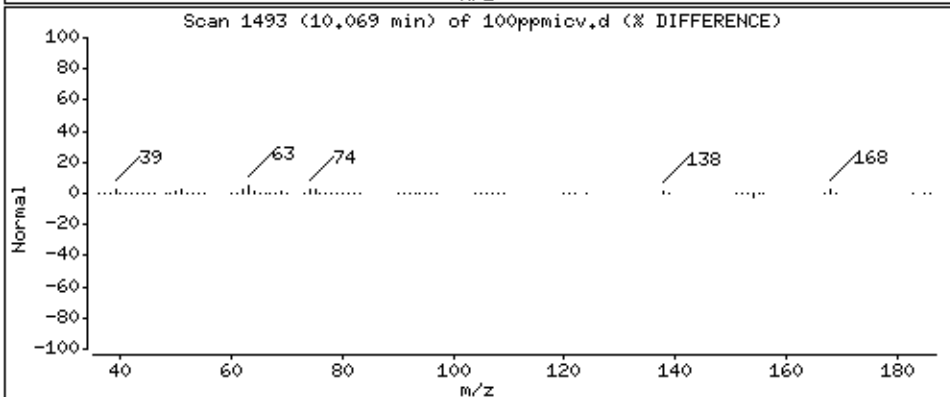
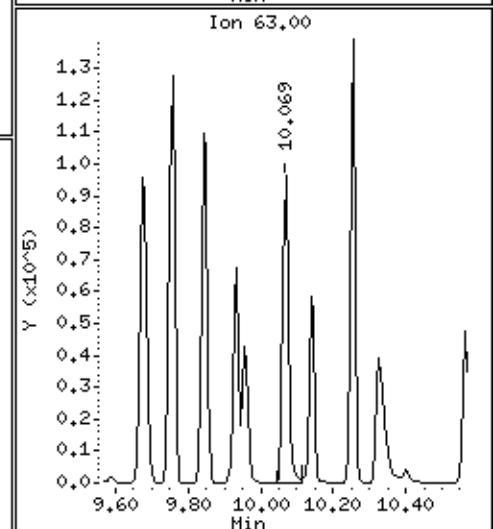
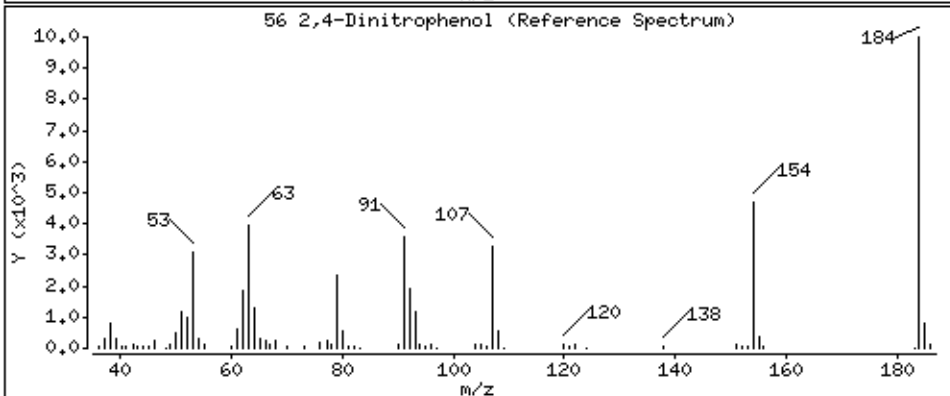
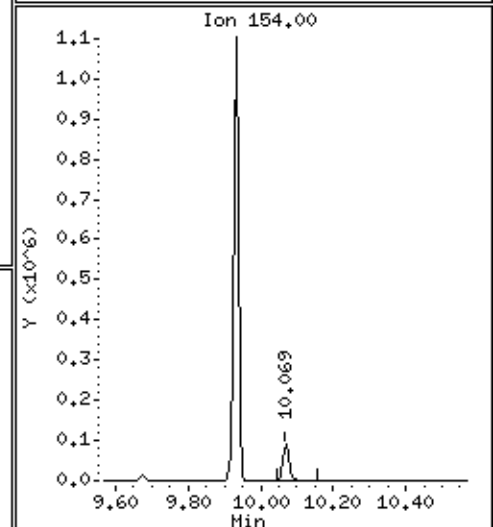
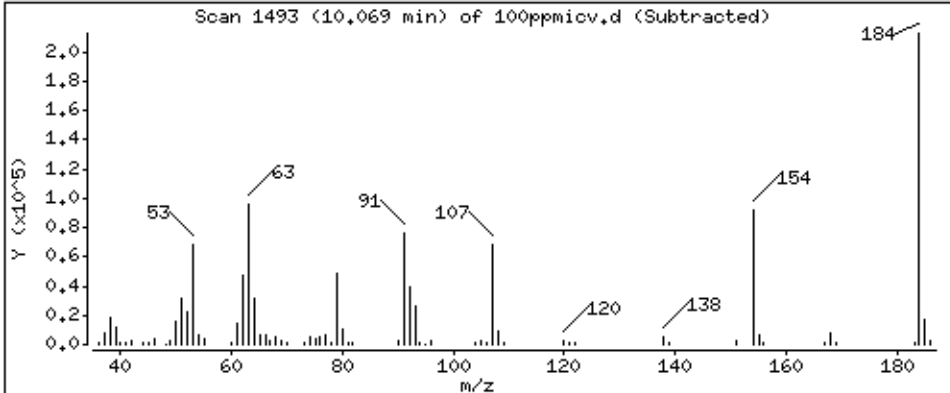
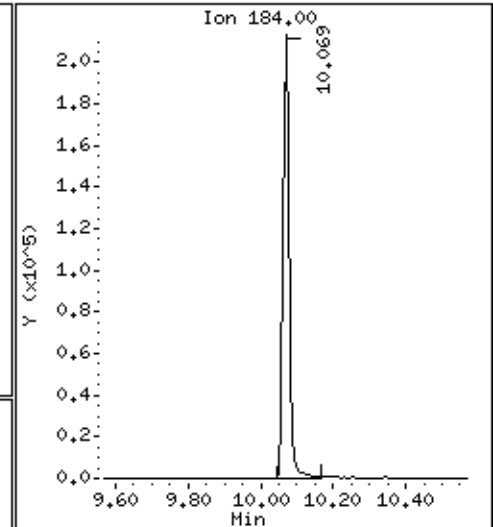
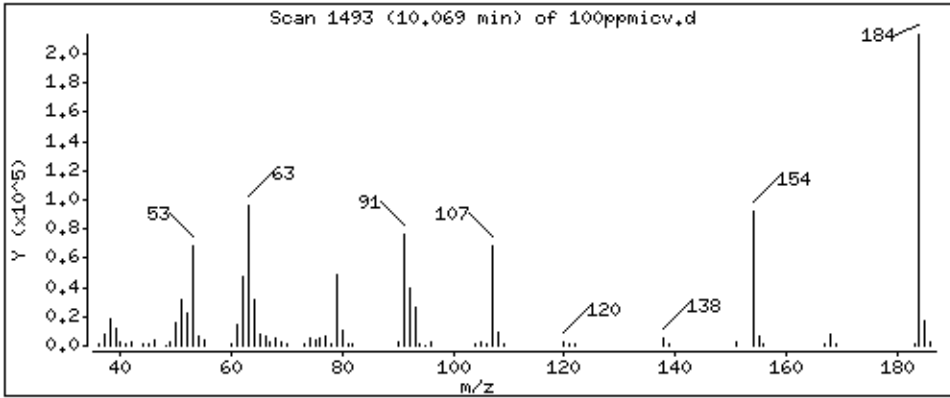
Operator: CEM

Column phase: .50um DB-5ms

Column diameter: 0,25

56 2,4-Dinitrophenol

Concentration: 106,5 ug/L



Date : 10-JUN-2014 13:45

Client ID:

Instrument: 50MSS3.i

Sample Info: ICV,70293:1

Volume Injected (uL): 1.0

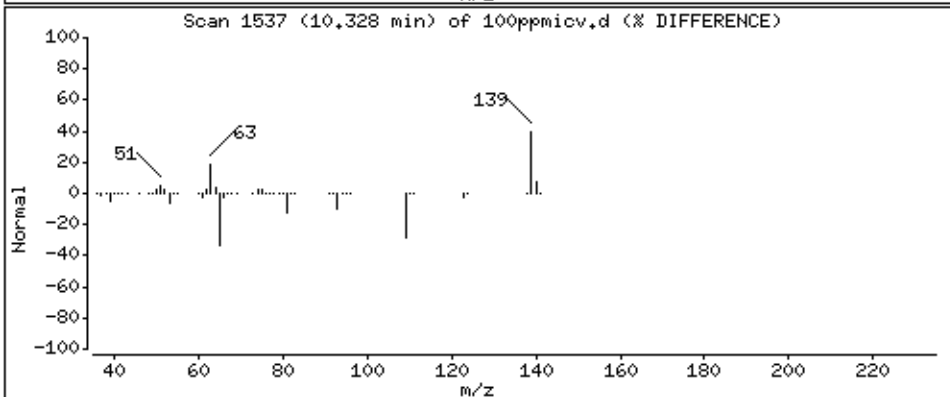
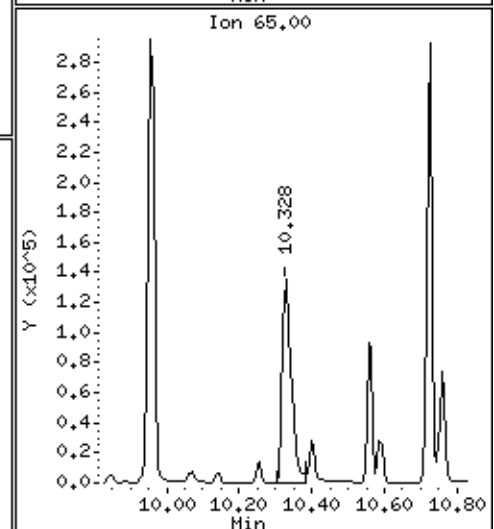
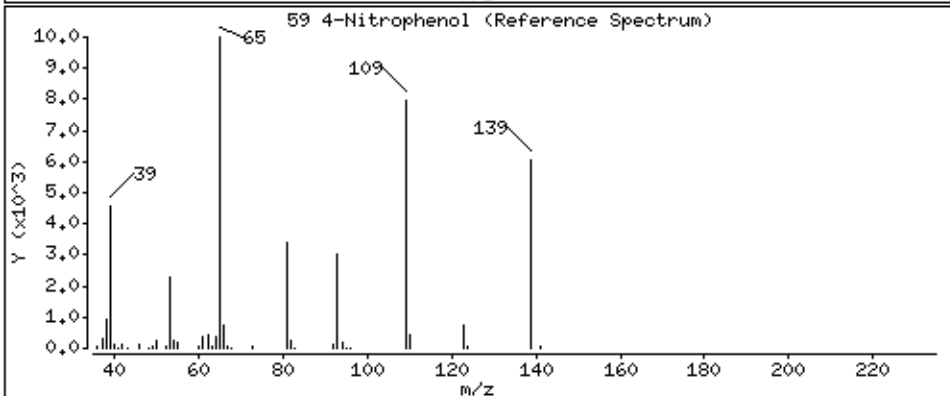
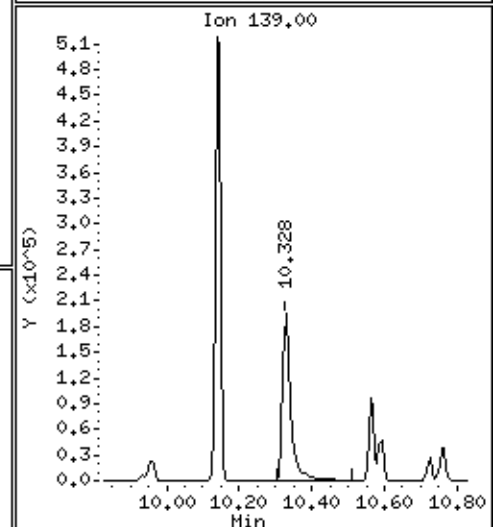
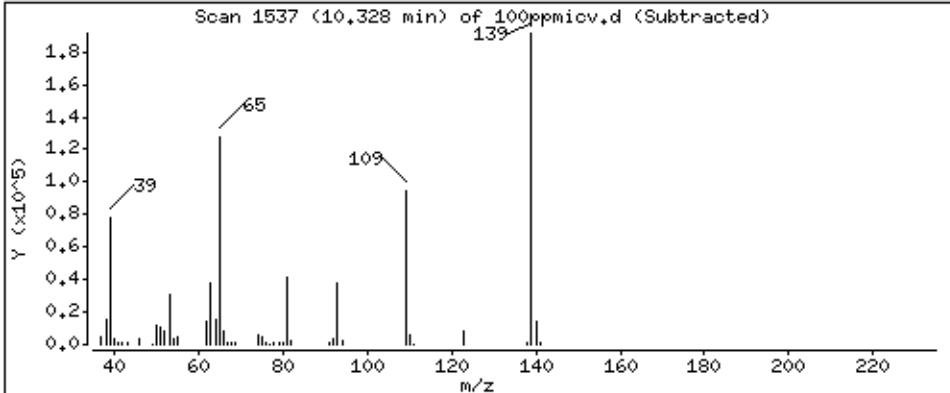
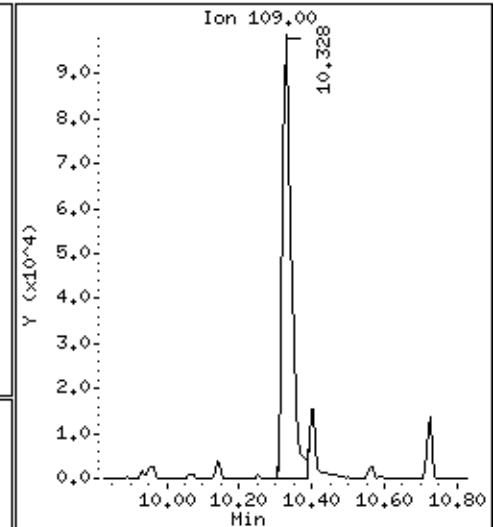
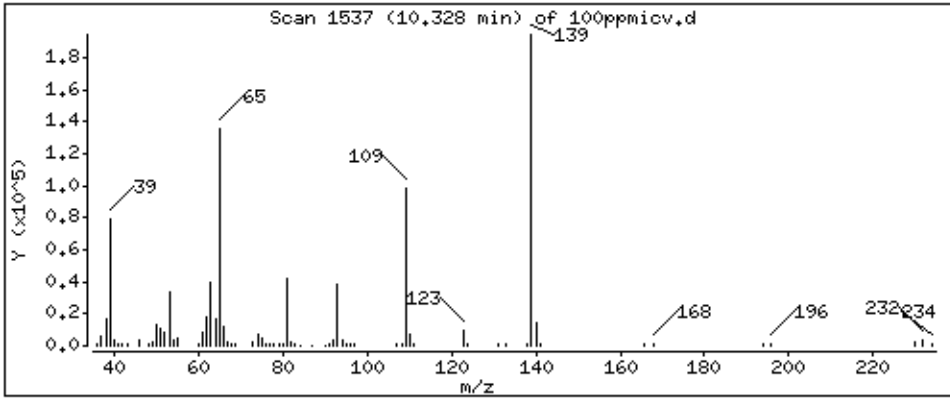
Operator: CEM

Column phase: .50um DB-5ms

Column diameter: 0,25

59 4-Nitrophenol

Concentration: 113.6 ug/L



Date : 10-JUN-2014 13:45

Client ID:

Instrument: 50MSS3.i

Sample Info: ICV,70293:1

Volume Injected (uL): 1.0

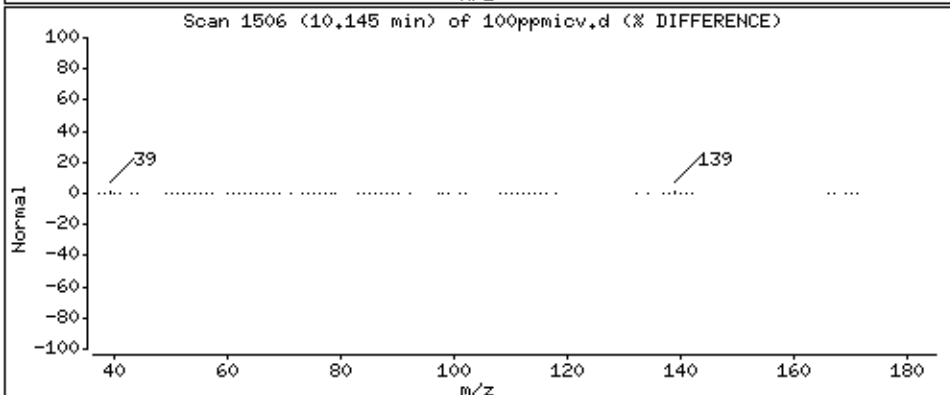
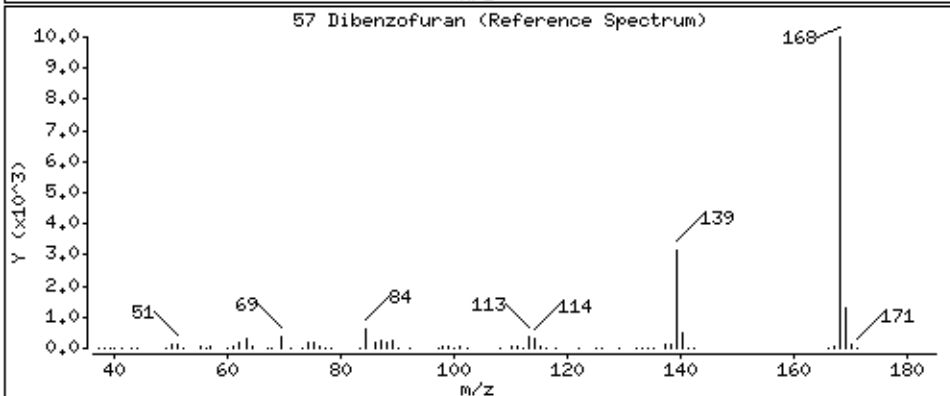
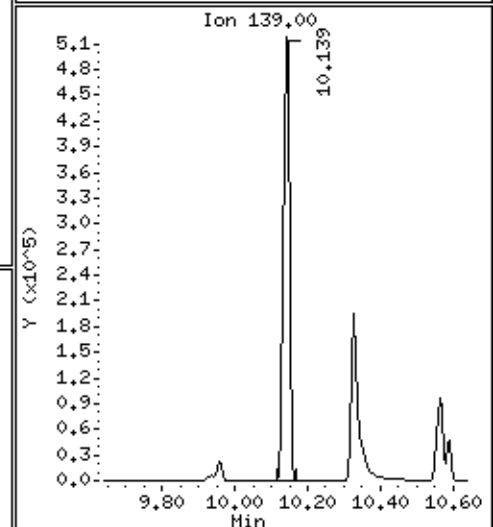
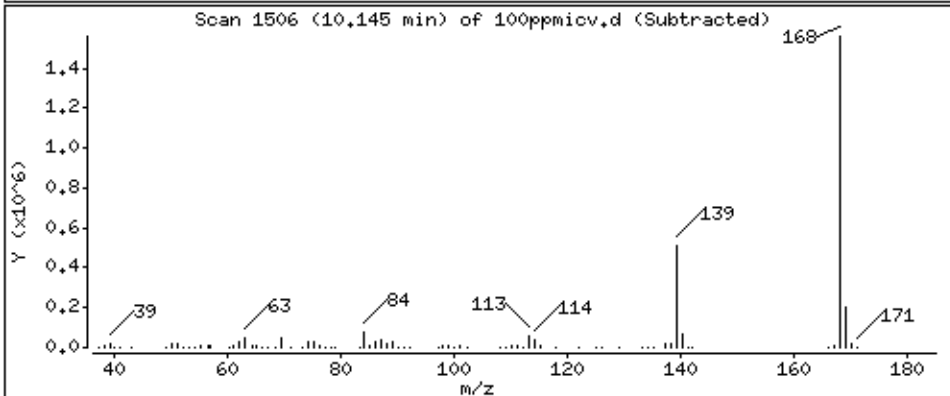
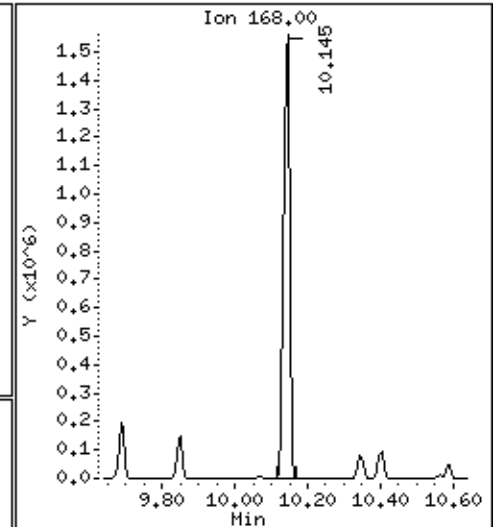
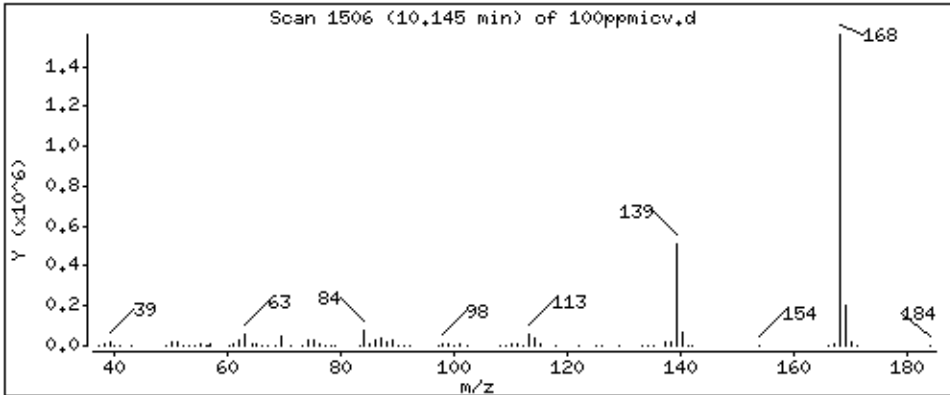
Operator: CEM

Column phase: .50um DB-5ms

Column diameter: 0,25

57 Dibenzofuran

Concentration: 98,45 ug/L



Date : 10-JUN-2014 13:45

Client ID:

Instrument: 50MSS3.i

Sample Info: ICV,70293:1

Volume Injected (uL): 1.0

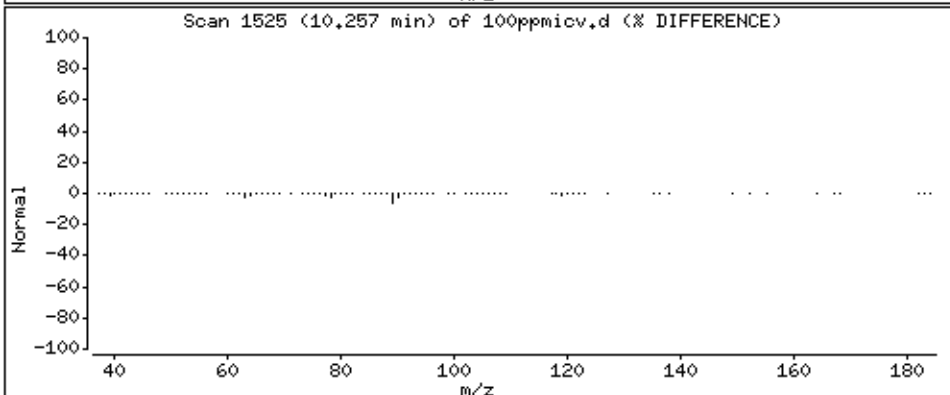
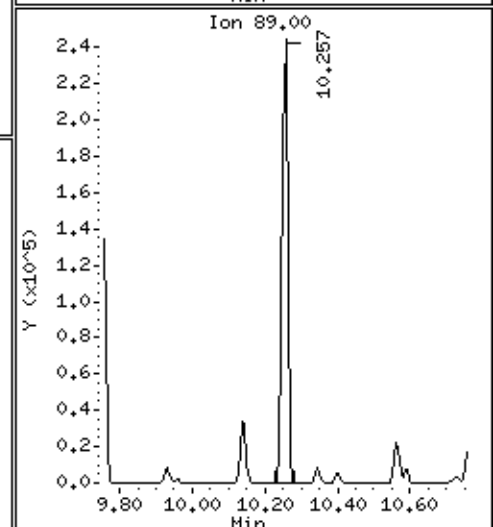
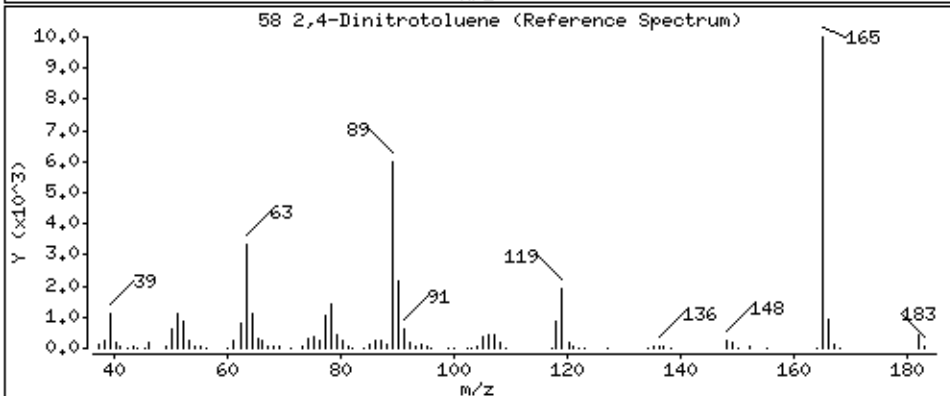
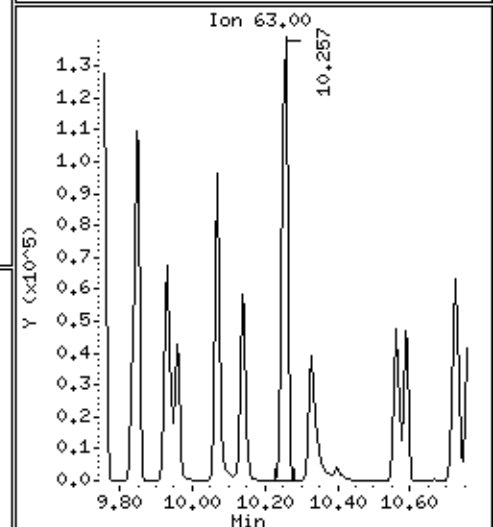
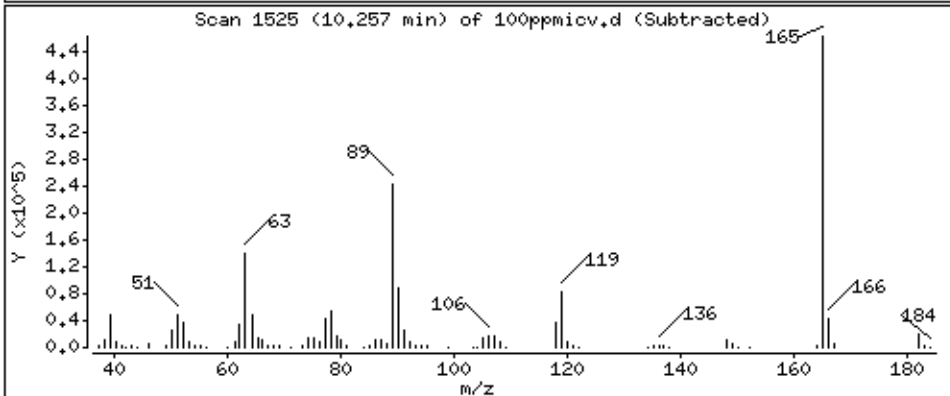
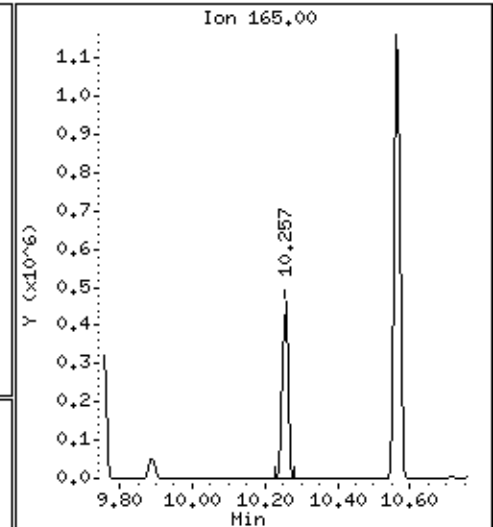
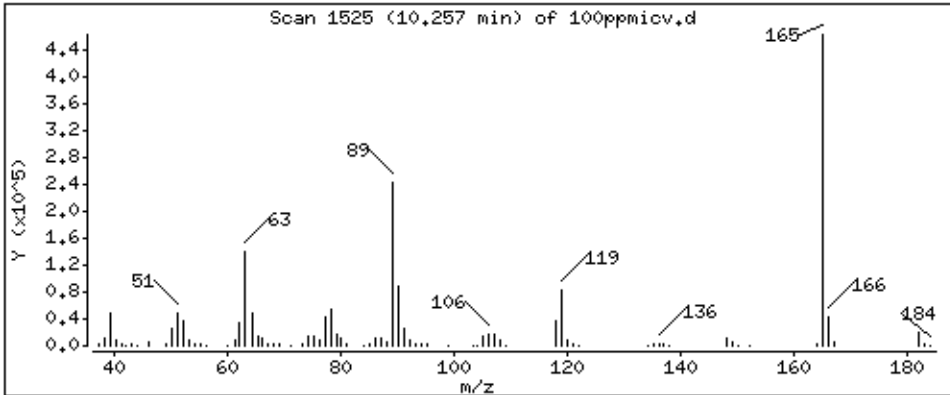
Operator: CEM

Column phase: .50um DB-5ms

Column diameter: 0,25

58 2,4-Dinitrotoluene

Concentration: 110.1 ug/L



Date : 10-JUN-2014 13:45

Client ID:

Instrument: 50MSS3.i

Sample Info: ICV,70293:1

Volume Injected (uL): 1.0

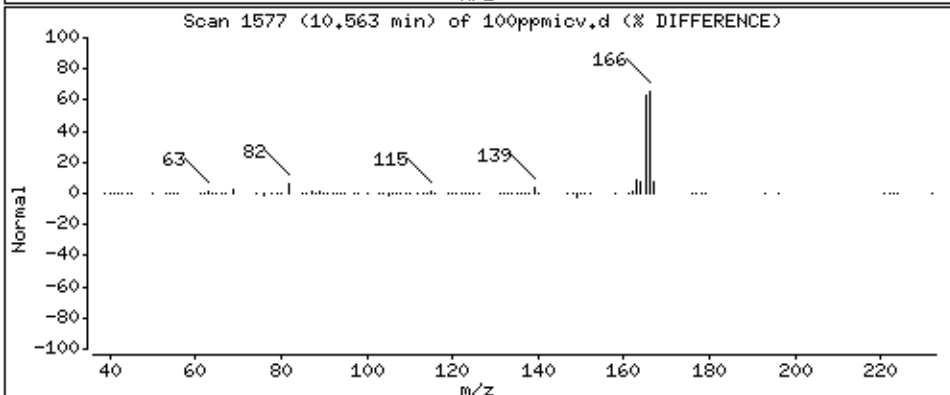
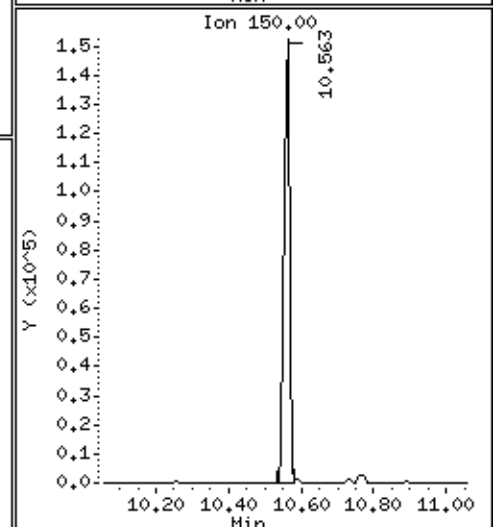
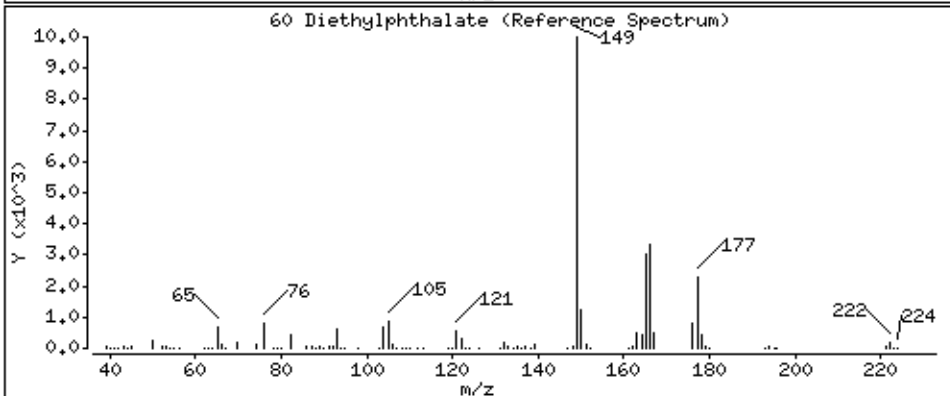
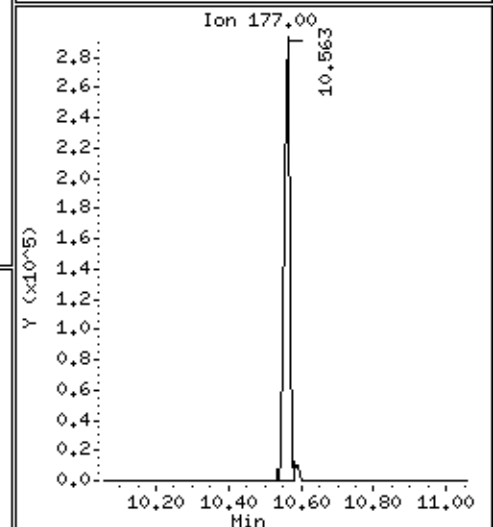
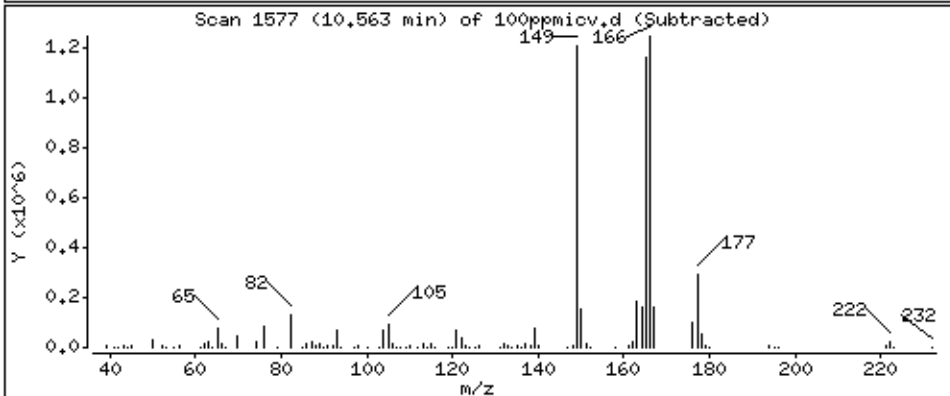
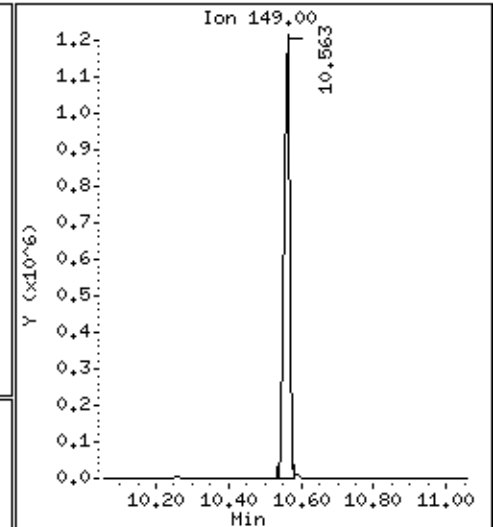
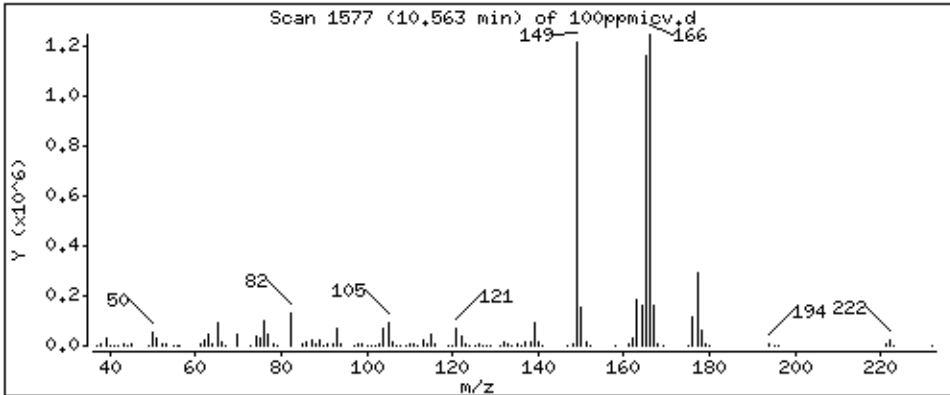
Operator: CEM

Column phase: .50um DB-5ms

Column diameter: 0,25

60 Diethylphthalate

Concentration: 97,08 ug/L



Date : 10-JUN-2014 13:45

Client ID:

Instrument: 50MSS3.i

Sample Info: ICV,70293:1

Volume Injected (uL): 1.0

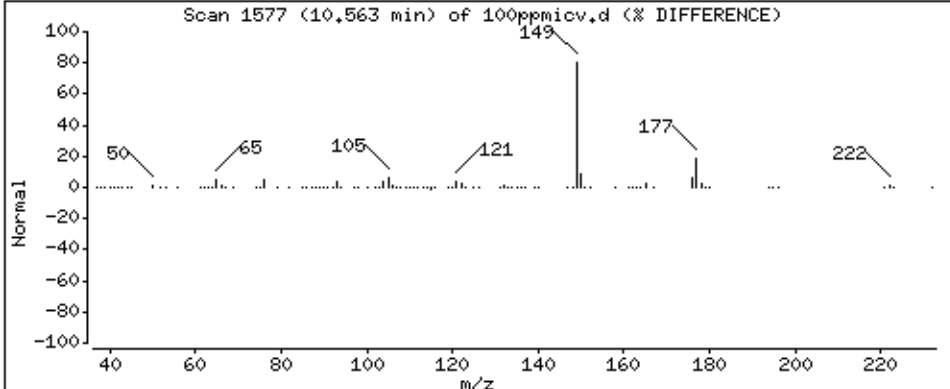
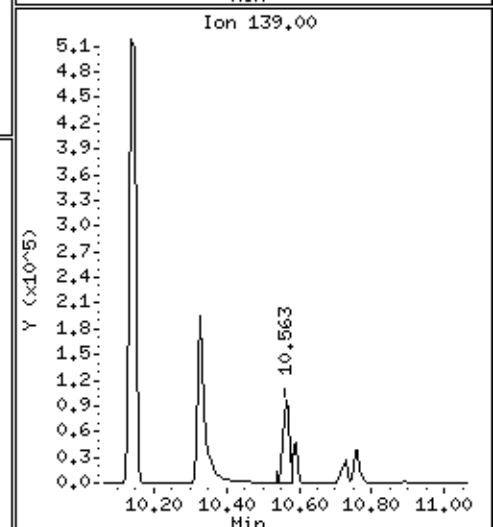
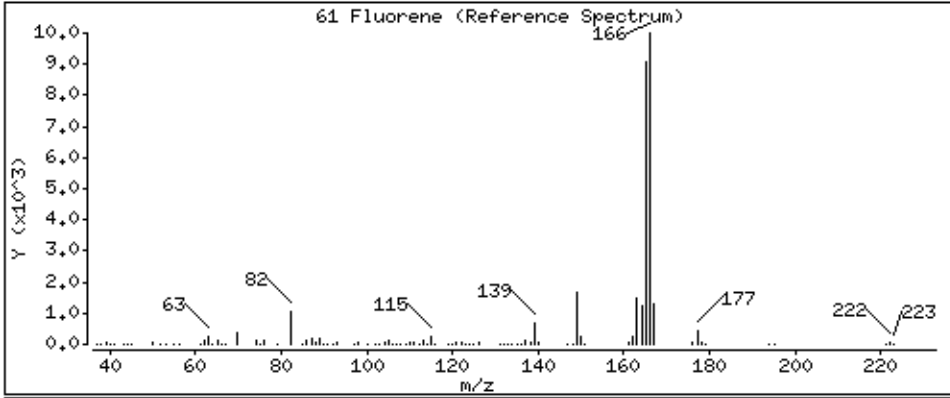
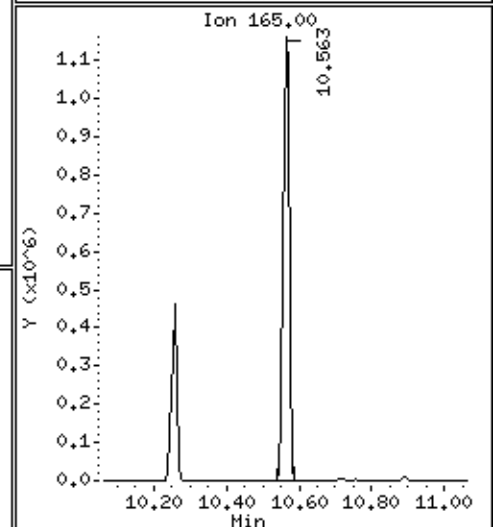
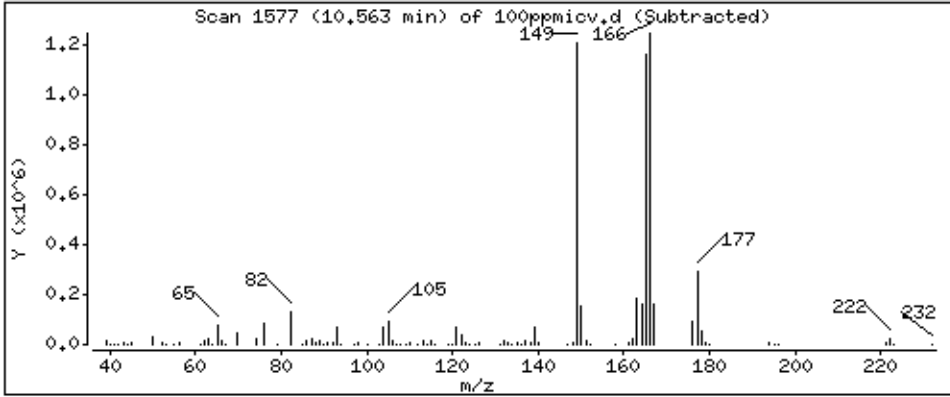
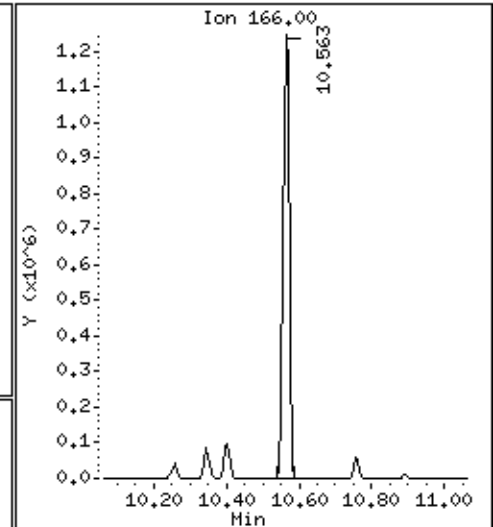
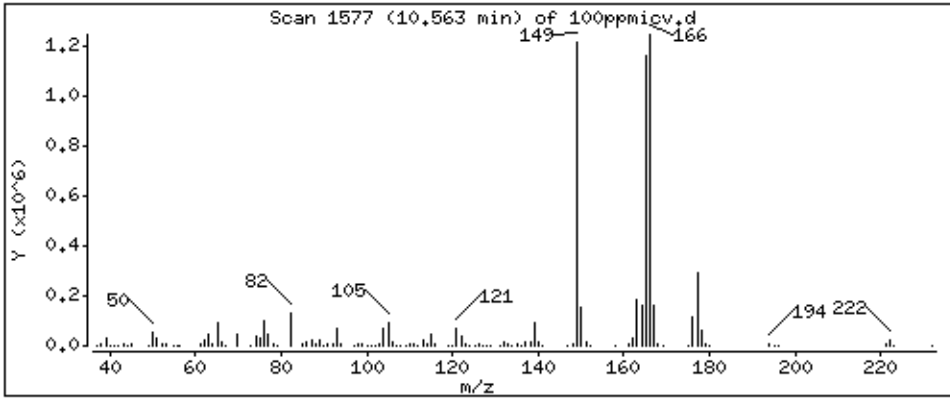
Operator: CEM

Column phase: .50um DB-5ms

Column diameter: 0,25

61 Fluorene

Concentration: 99,52 ug/L



Date : 10-JUN-2014 13:45

Client ID:

Instrument: 50MSS3.i

Sample Info: ICV,70293:1

Volume Injected (uL): 1.0

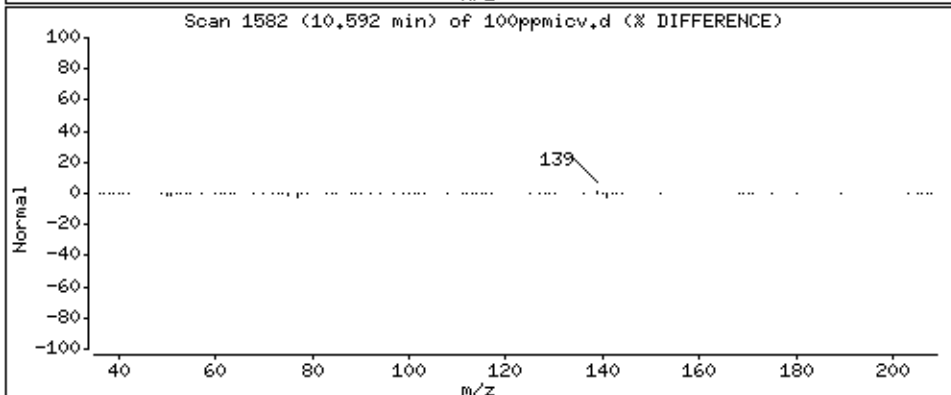
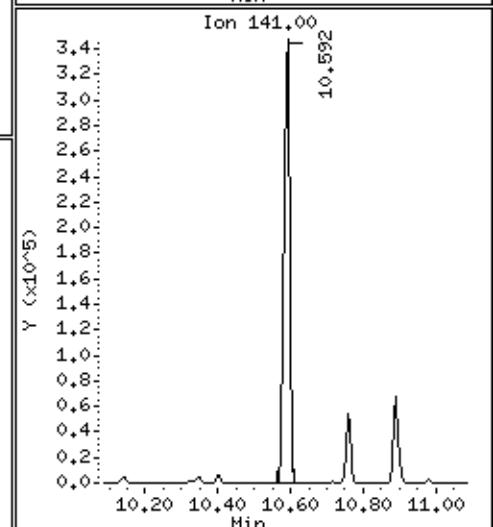
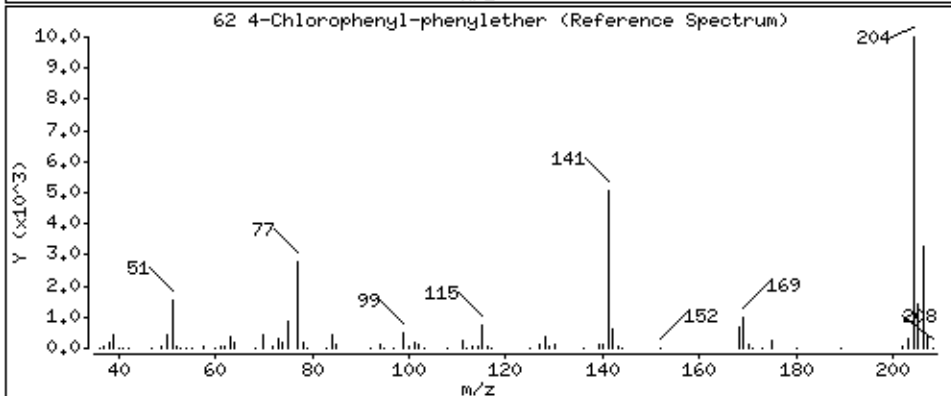
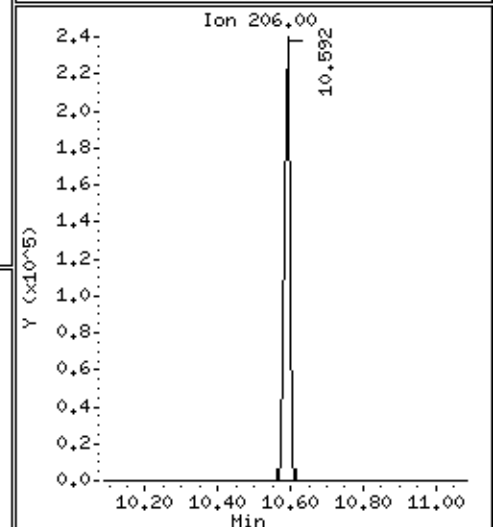
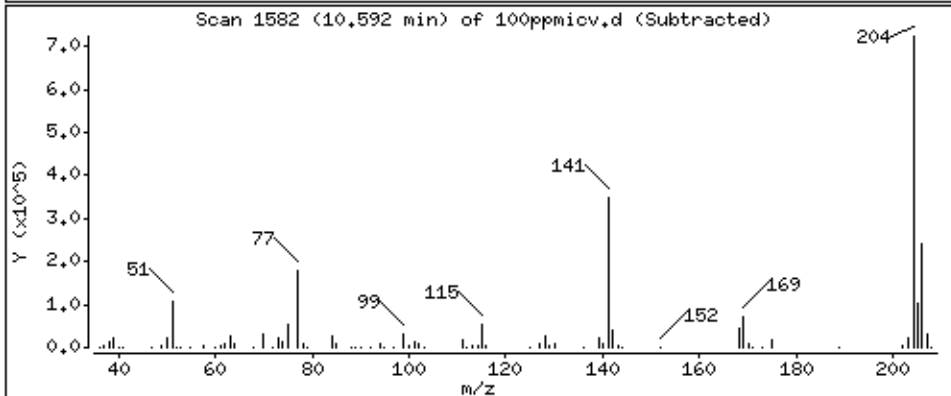
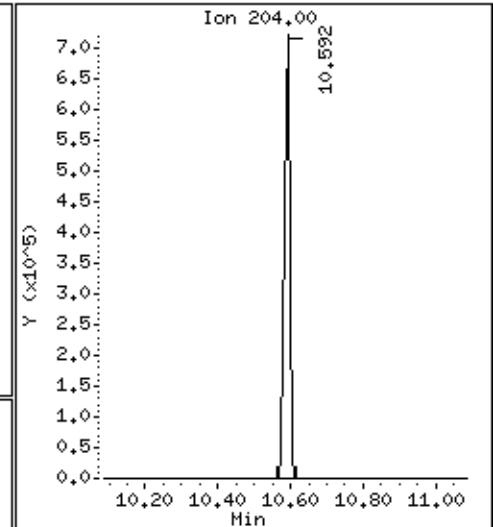
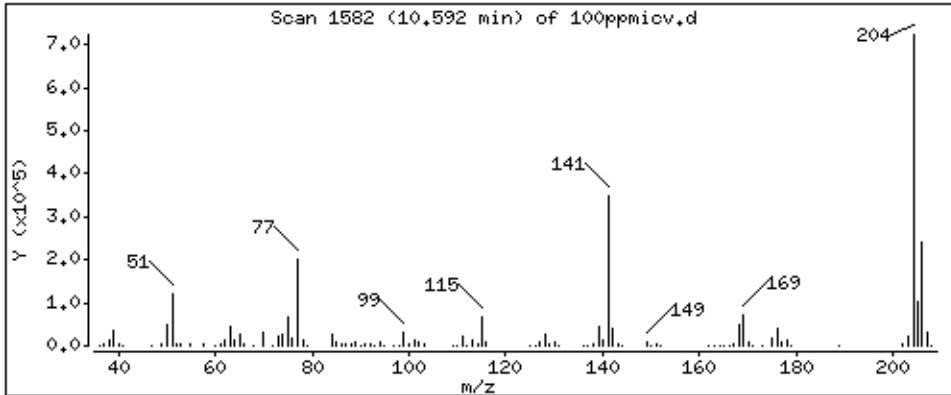
Operator: CEM

Column phase: .50um DB-5ms

Column diameter: 0,25

62 4-Chlorophenyl-phenylether

Concentration: 101.8 ug/L



Date : 10-JUN-2014 13:45

Client ID:

Instrument: 50MSS3.i

Sample Info: ICV,70293:1

Volume Injected (uL): 1.0

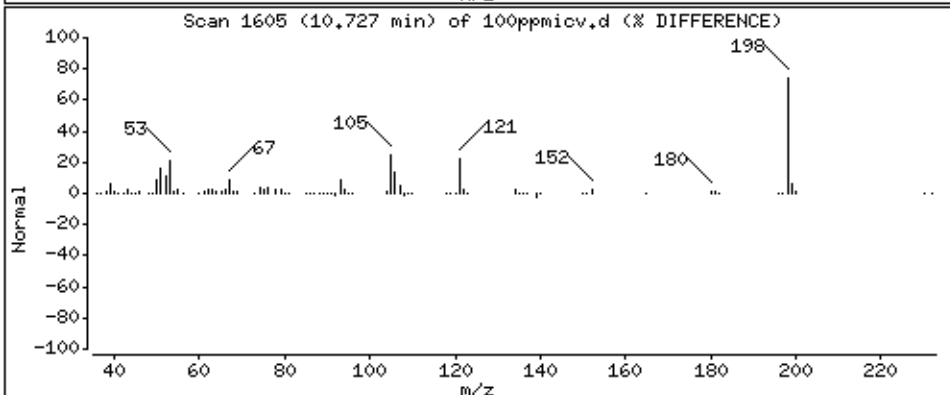
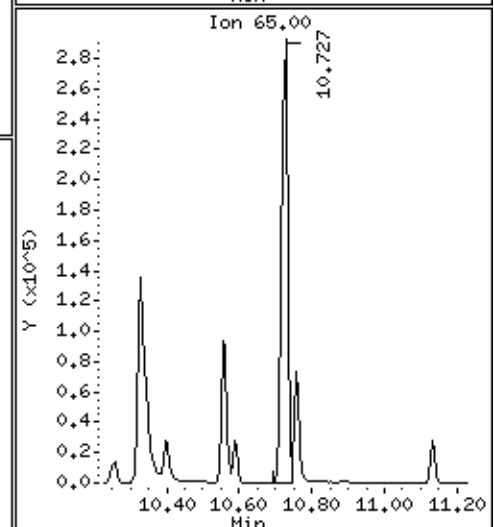
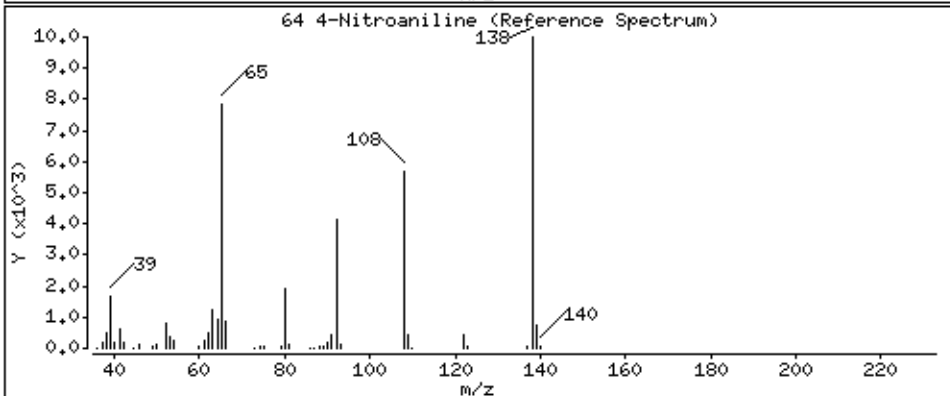
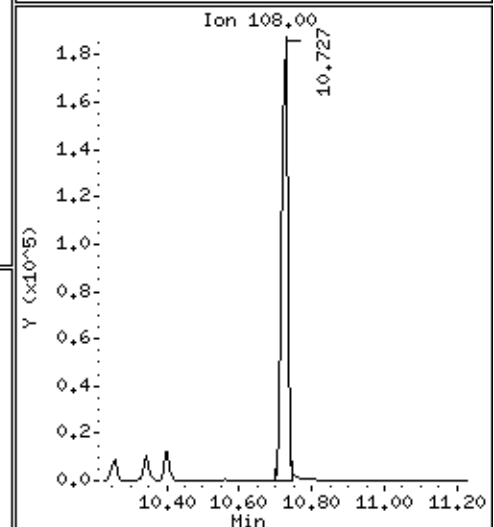
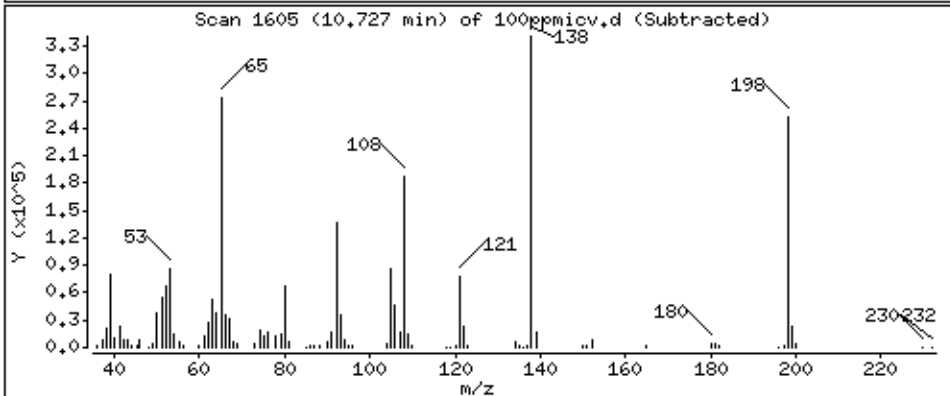
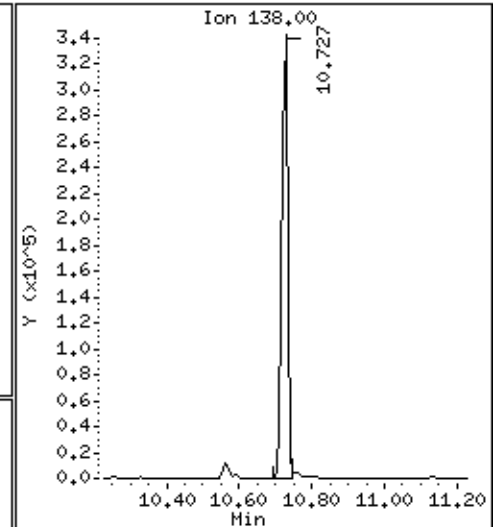
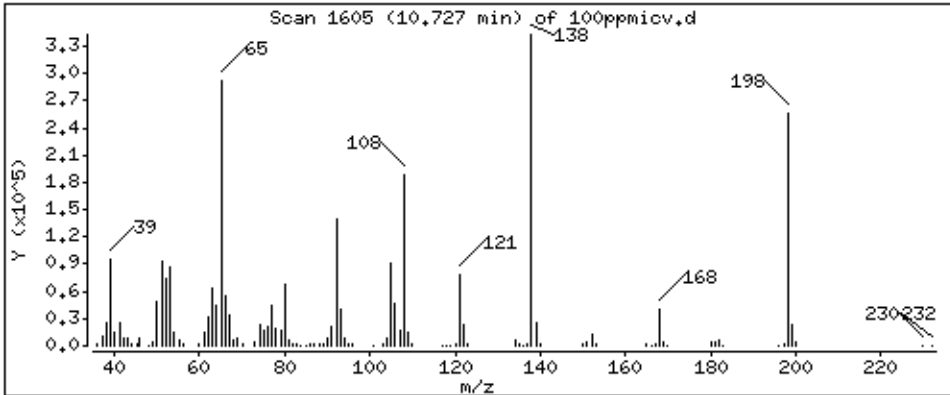
Operator: CEM

Column phase: .50um DB-5ms

Column diameter: 0,25

64 4-Nitroaniline

Concentration: 105,5 ug/L



Date : 10-JUN-2014 13:45

Client ID:

Instrument: 50MSS3.i

Sample Info: ICV,70293:1

Volume Injected (uL): 1.0

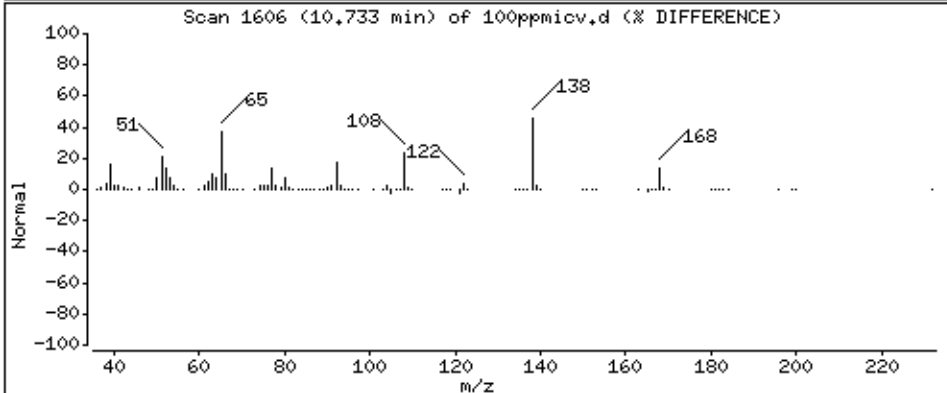
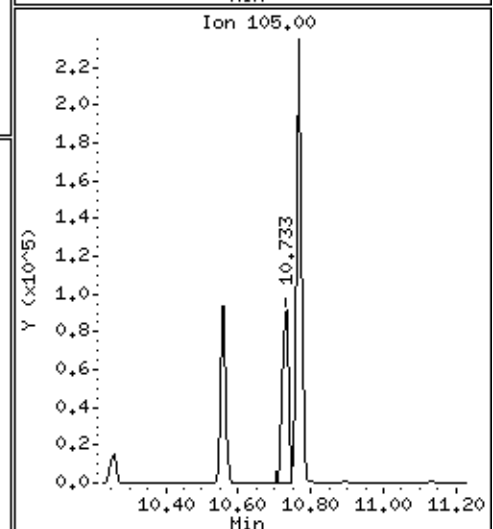
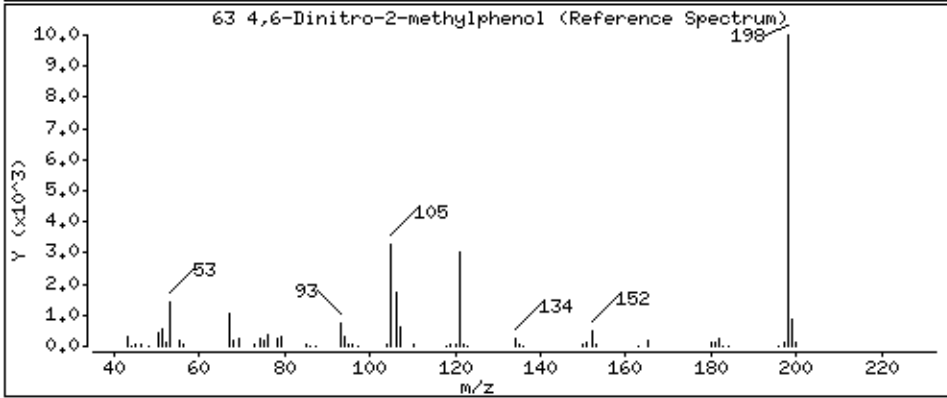
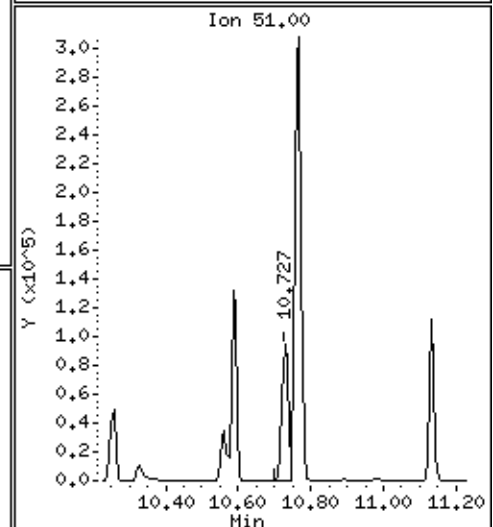
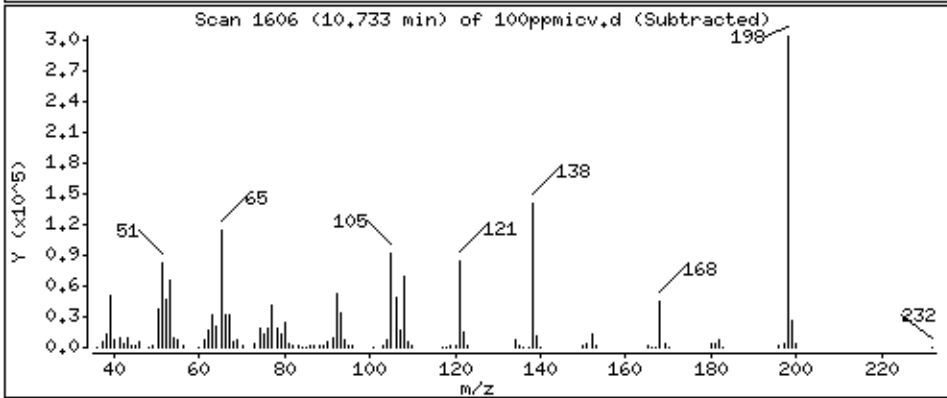
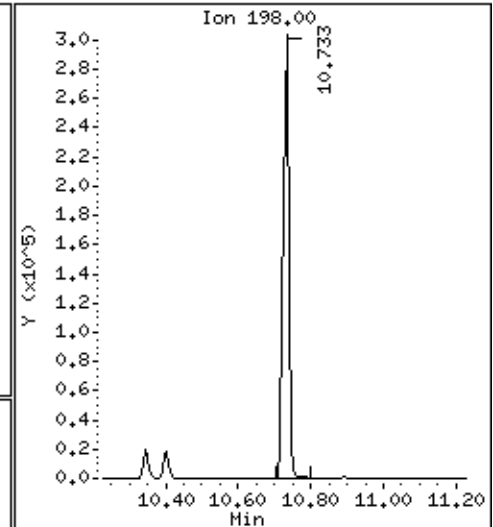
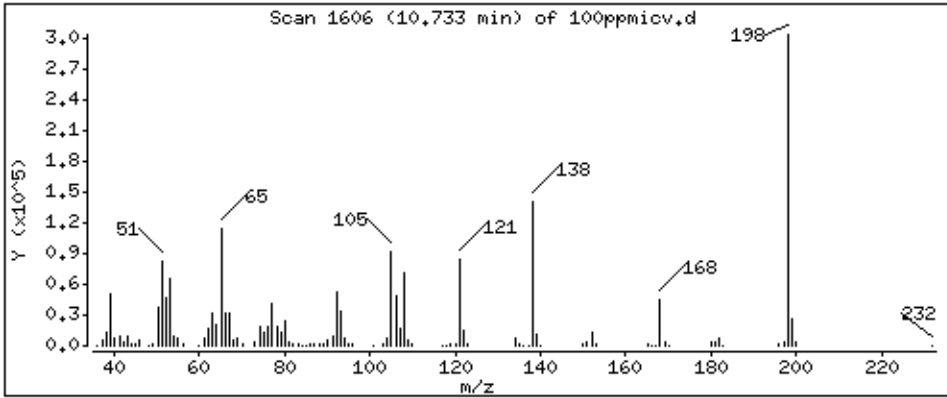
Operator: CEM

Column phase: .50um DB-5ms

Column diameter: 0,25

63 4,6-Dinitro-2-methylphenol

Concentration: 113.2 ug/L



Date : 10-JUN-2014 13:45

Client ID:

Instrument: 50MSS3.i

Sample Info: ICV,70293:1

Volume Injected (uL): 1.0

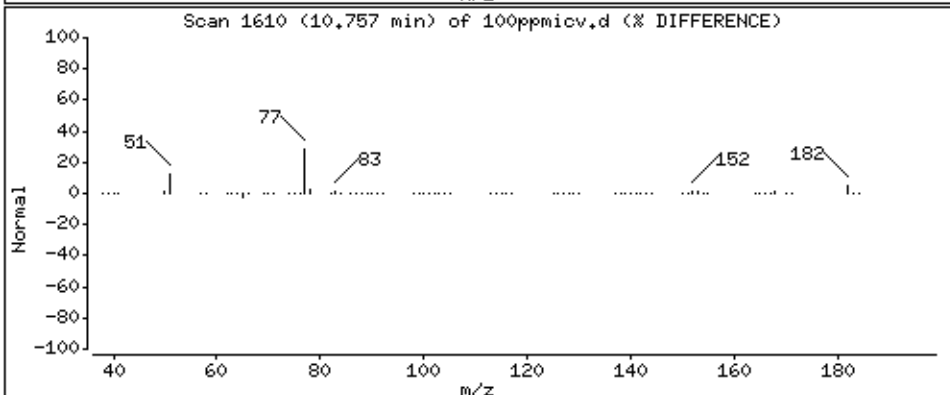
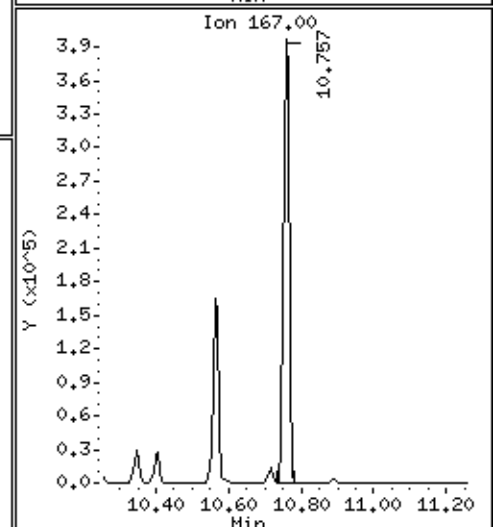
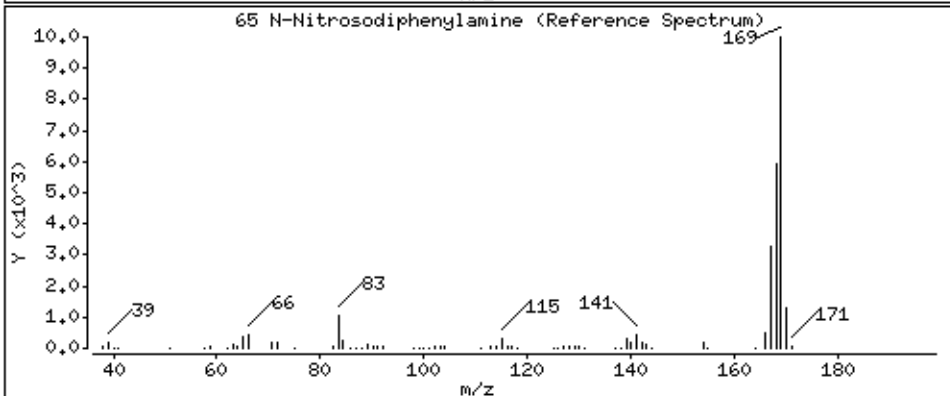
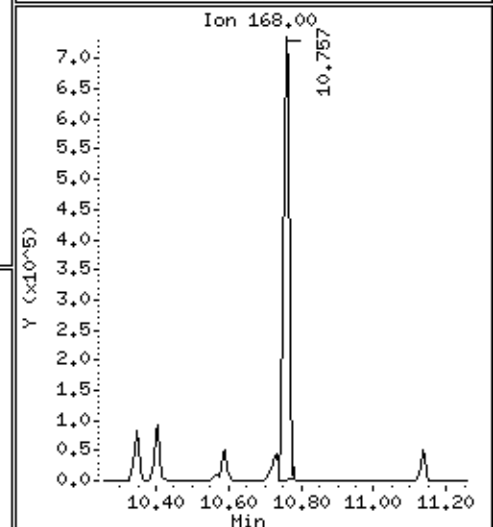
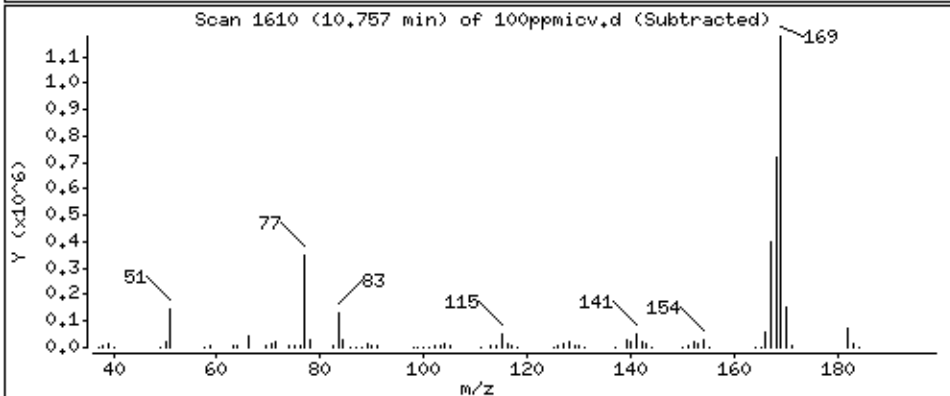
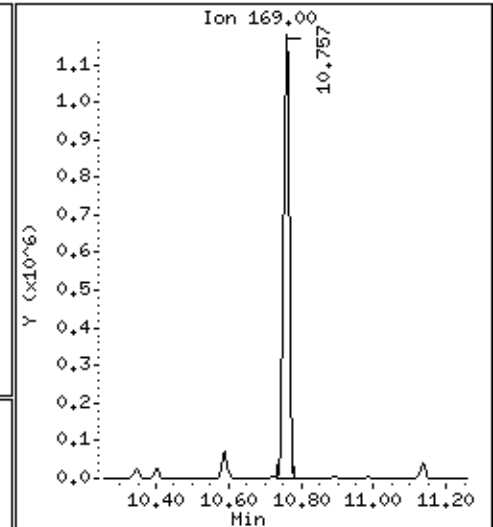
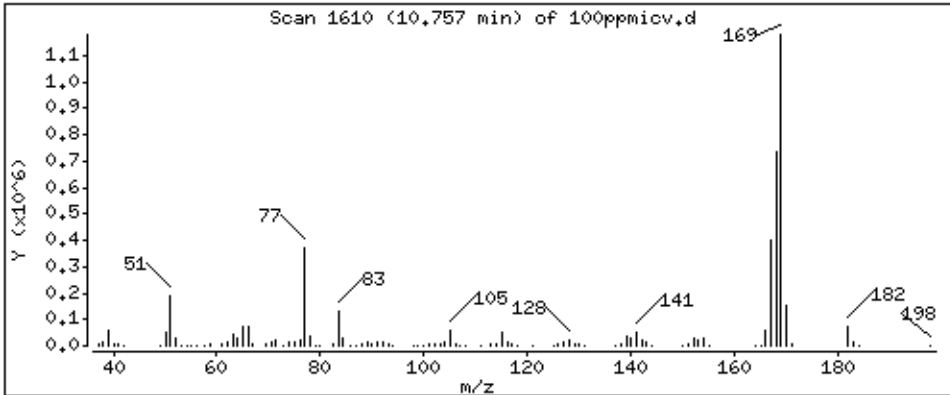
Operator: CEM

Column phase: .50um DB-5ms

Column diameter: 0,25

65 N-Nitrosodiphenylamine

Concentration: 118.3 ug/L



Date : 10-JUN-2014 13:45

Client ID:

Instrument: 50MSS3.i

Sample Info: ICV,70293:1

Volume Injected (uL): 1.0

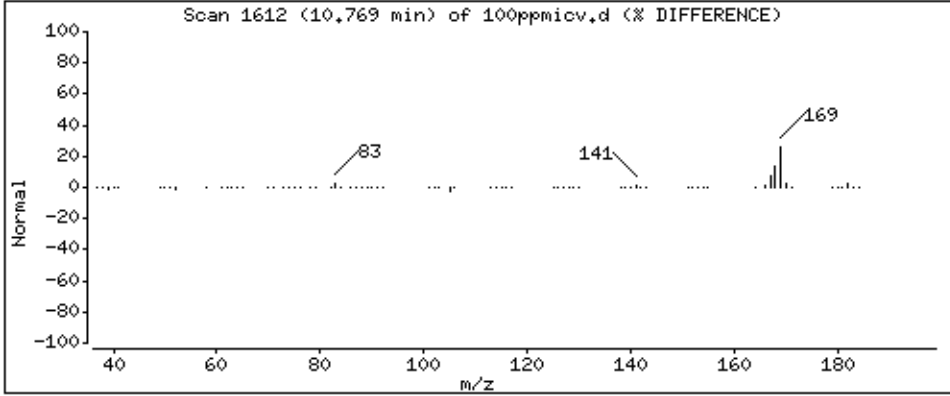
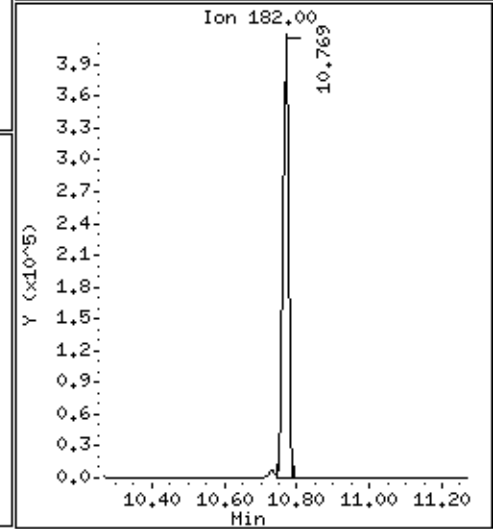
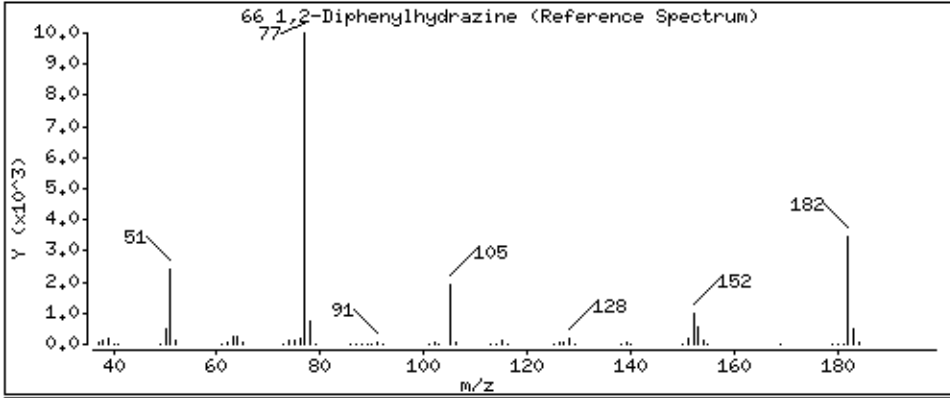
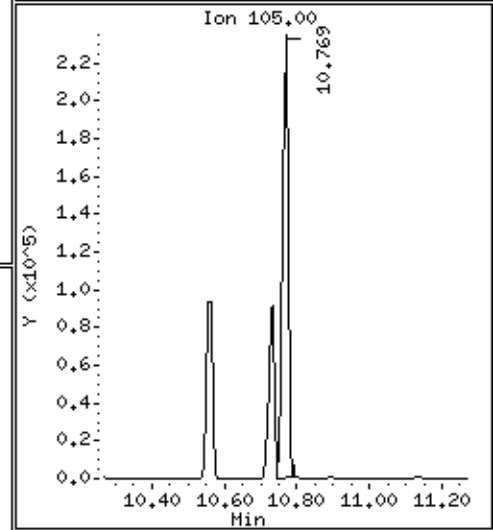
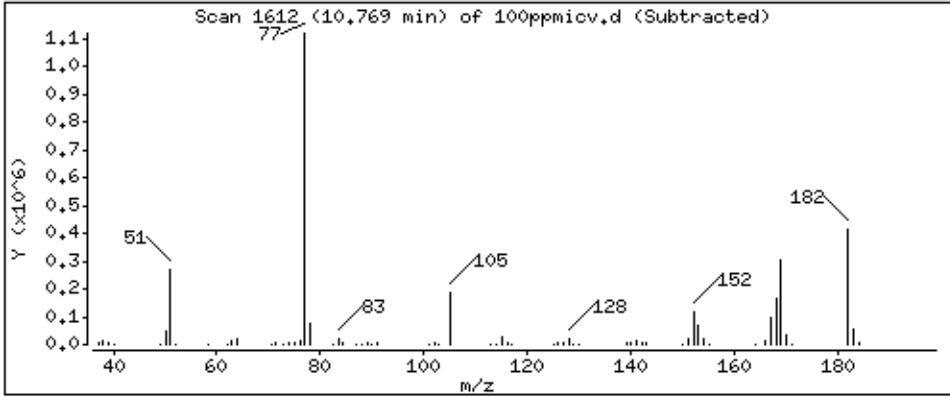
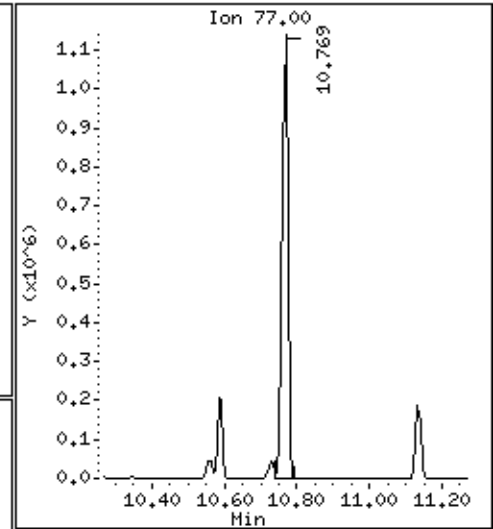
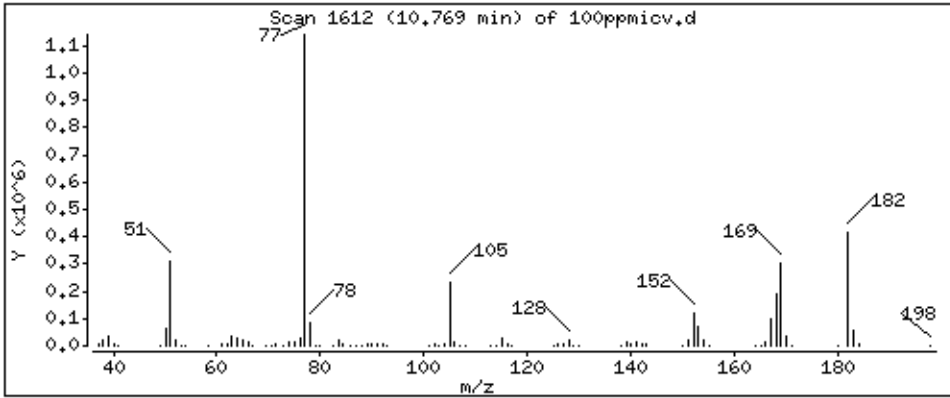
Operator: CEM

Column phase: .50um DB-5ms

Column diameter: 0,25

66 1,2-Diphenylhydrazine

Concentration: 100.8 ug/L



Date : 10-JUN-2014 13:45

Client ID:

Instrument: 50MSS3.i

Sample Info: ICV,70293:1

Volume Injected (uL): 1.0

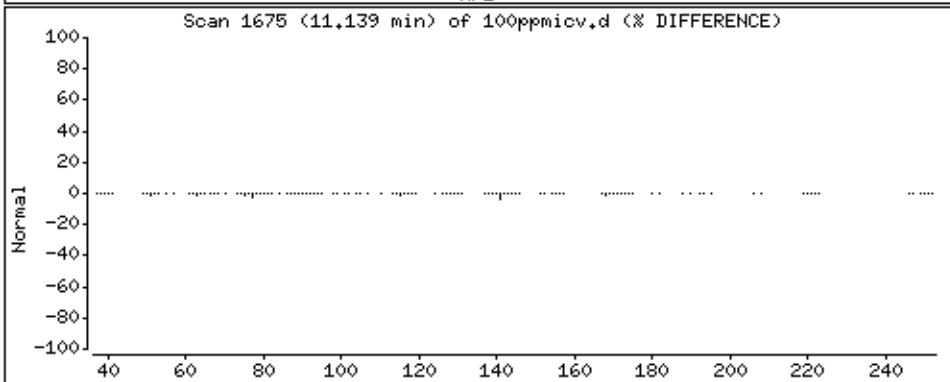
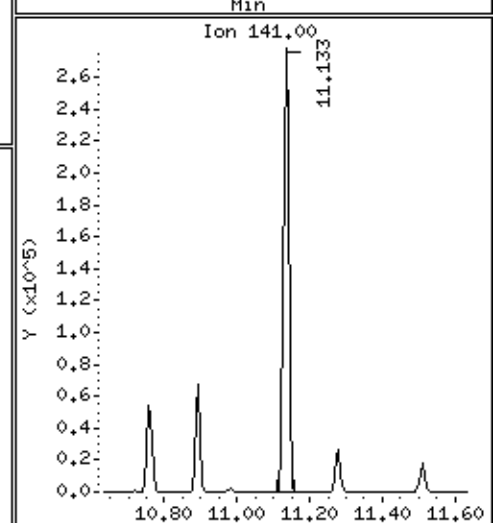
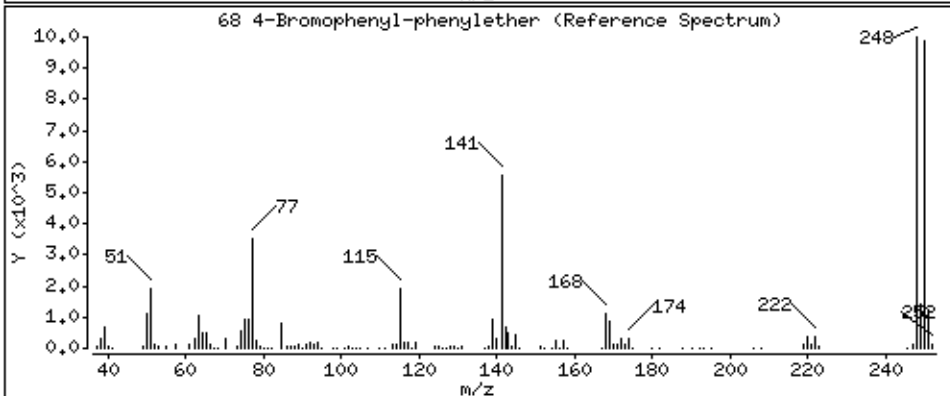
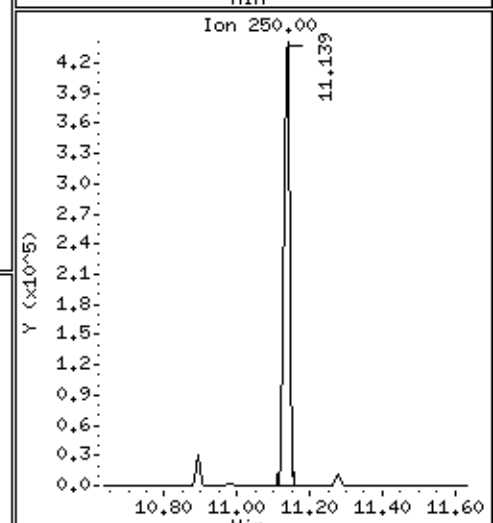
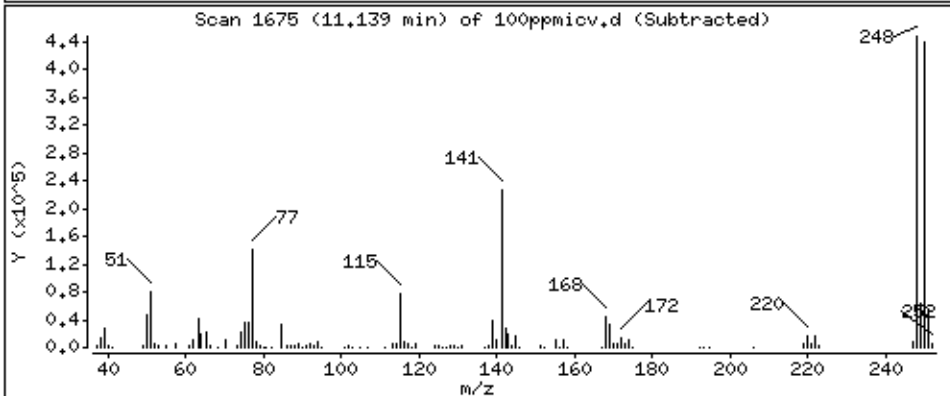
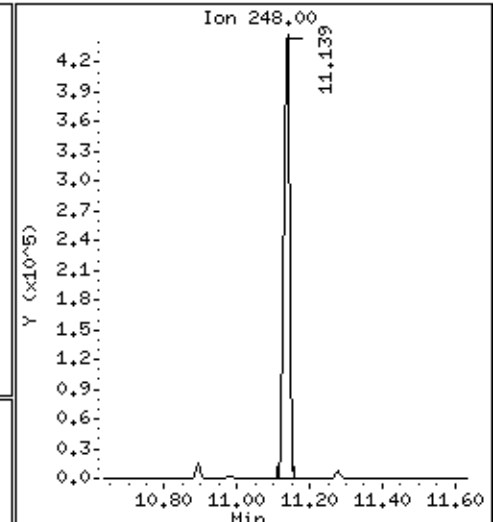
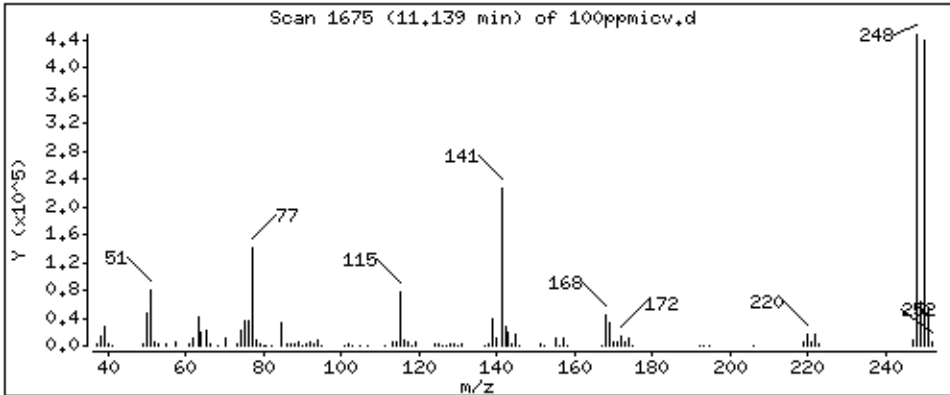
Operator: CEM

Column phase: .50um DB-5ms

Column diameter: 0,25

68 4-Bromophenyl-phenylether

Concentration: 103,6 ug/L



Date : 10-JUN-2014 13:45

Client ID:

Instrument: 50MSS3.i

Sample Info: ICV,70293:1

Volume Injected (uL): 1.0

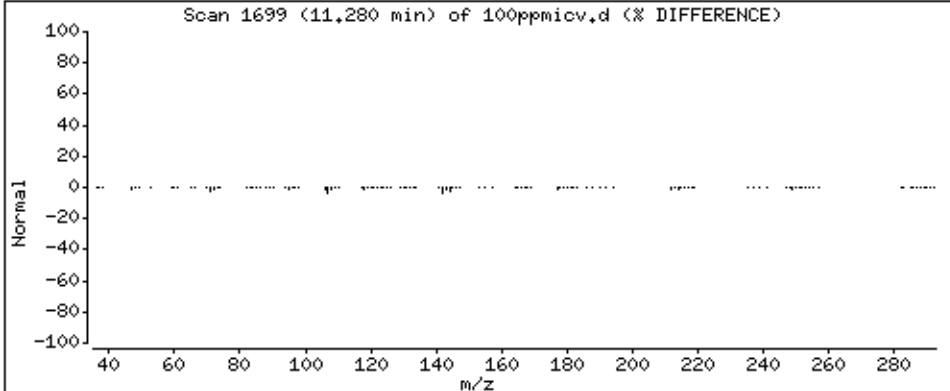
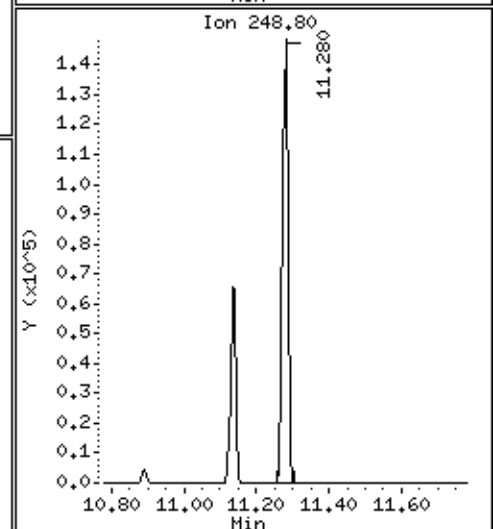
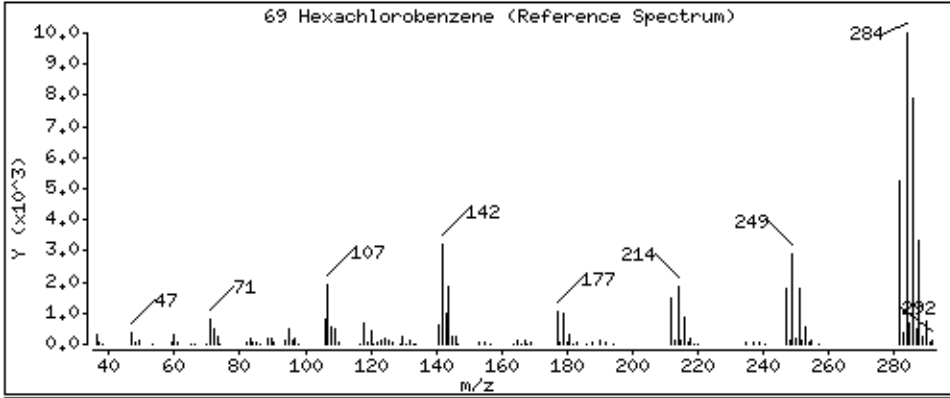
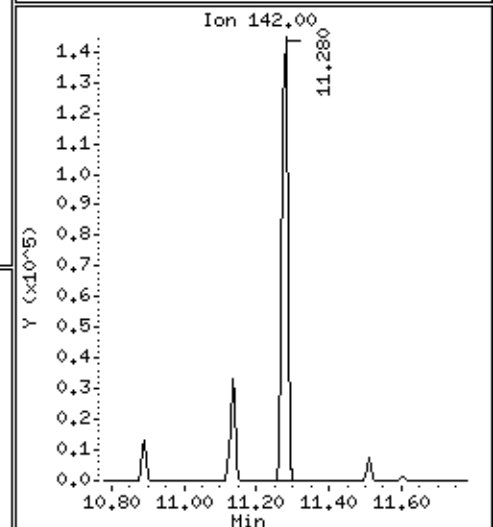
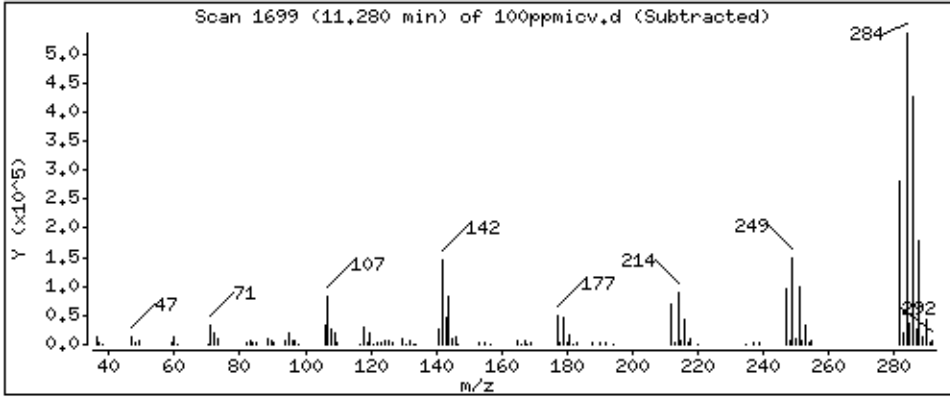
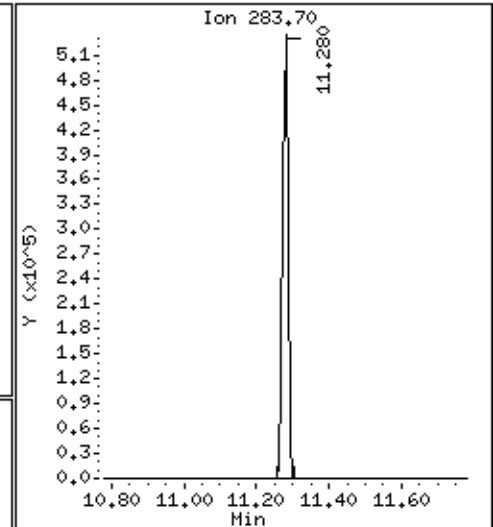
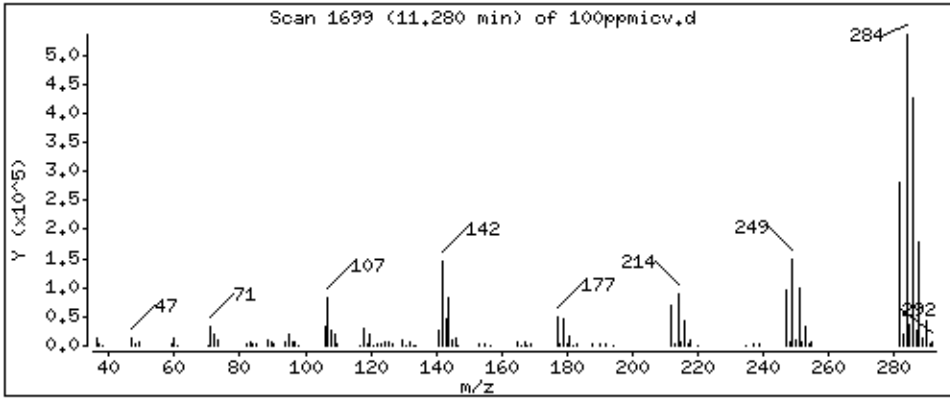
Operator: CEM

Column phase: .50um DB-5ms

Column diameter: 0,25

69 Hexachlorobenzene

Concentration: 103,0 ug/L



Date : 10-JUN-2014 13:45

Client ID:

Instrument: 50MSS3.i

Sample Info: ICV,70293:1

Volume Injected (uL): 1.0

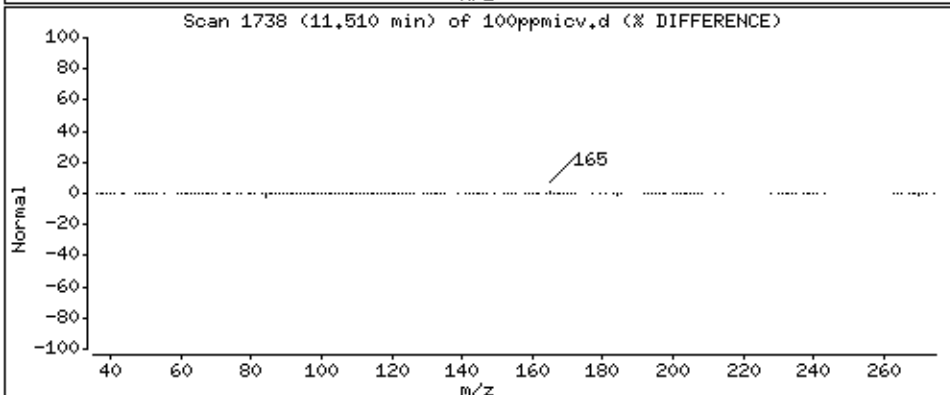
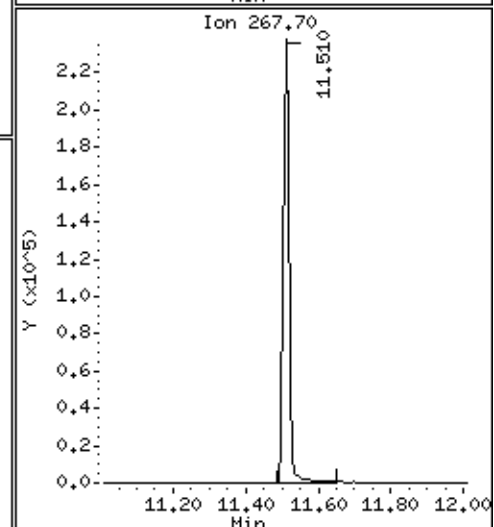
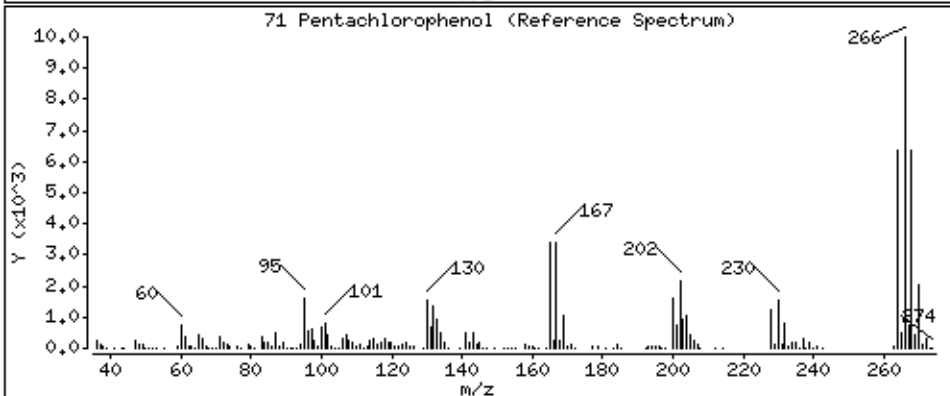
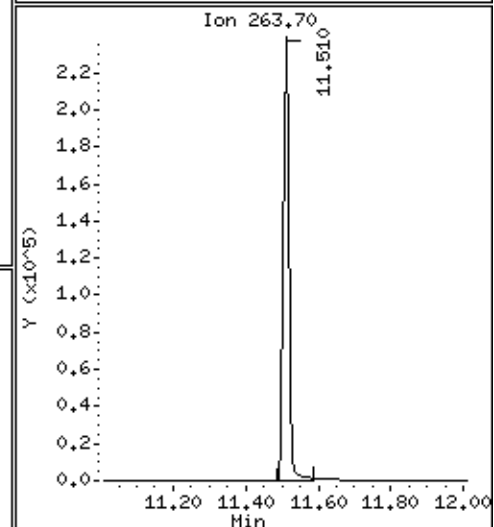
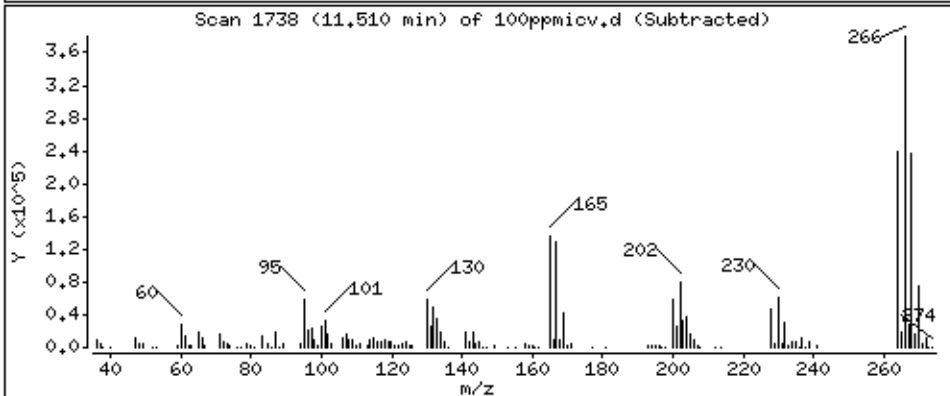
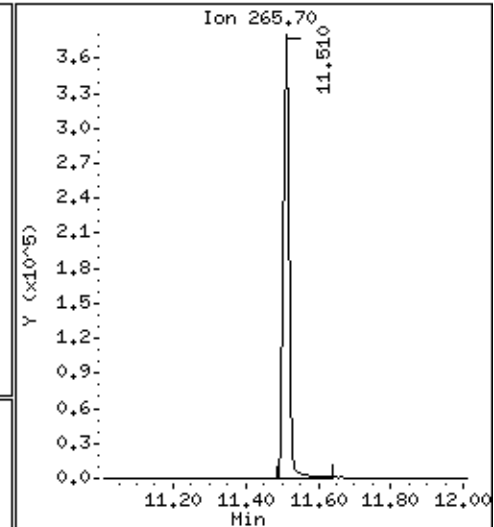
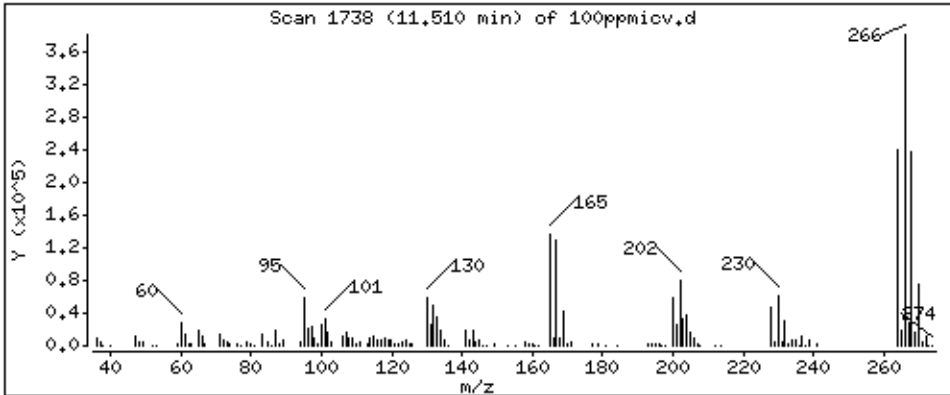
Operator: CEM

Column phase: .50um DB-5ms

Column diameter: 0,25

71 Pentachlorophenol

Concentration: 130,2 ug/L



Date : 10-JUN-2014 13:45

Client ID:

Instrument: 50MSS3.i

Sample Info: ICV,70293:1

Volume Injected (uL): 1.0

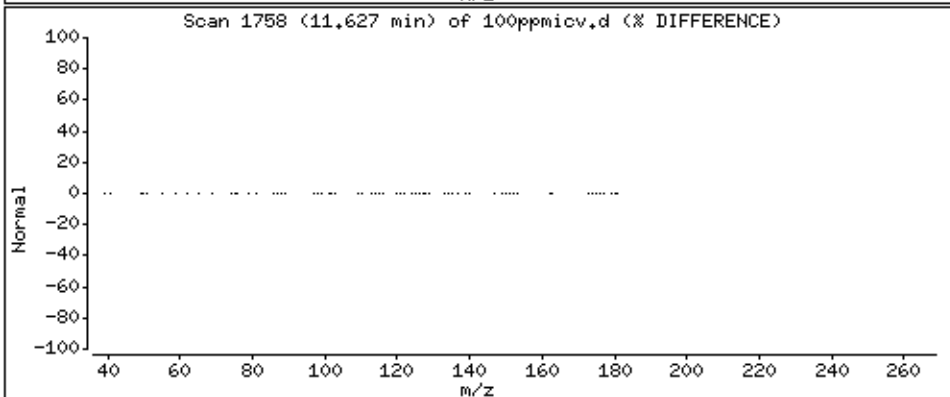
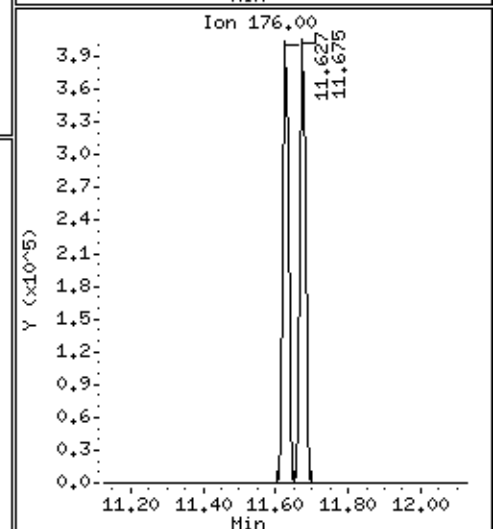
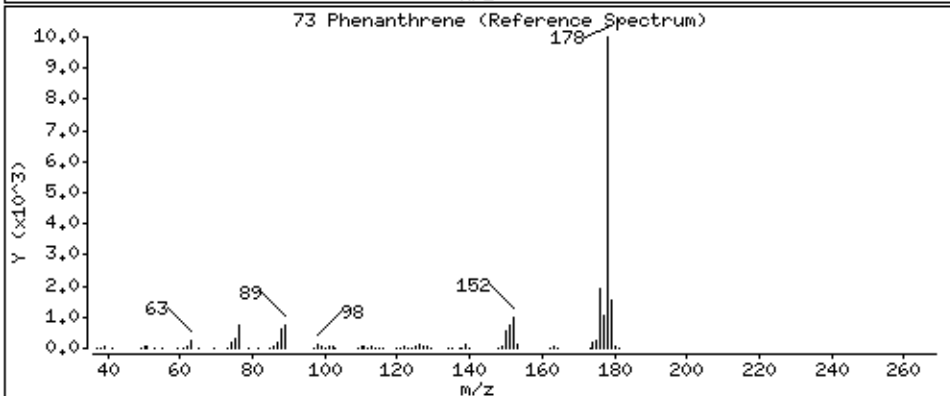
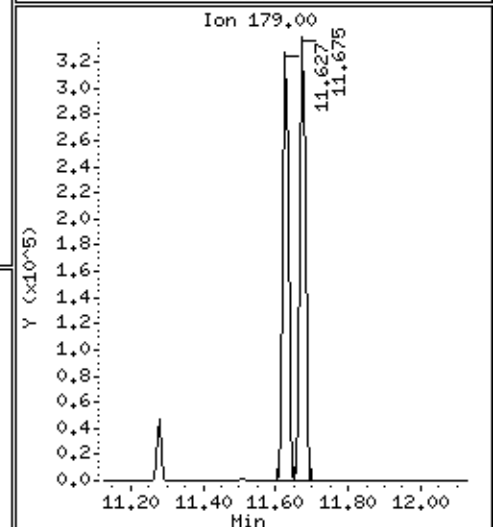
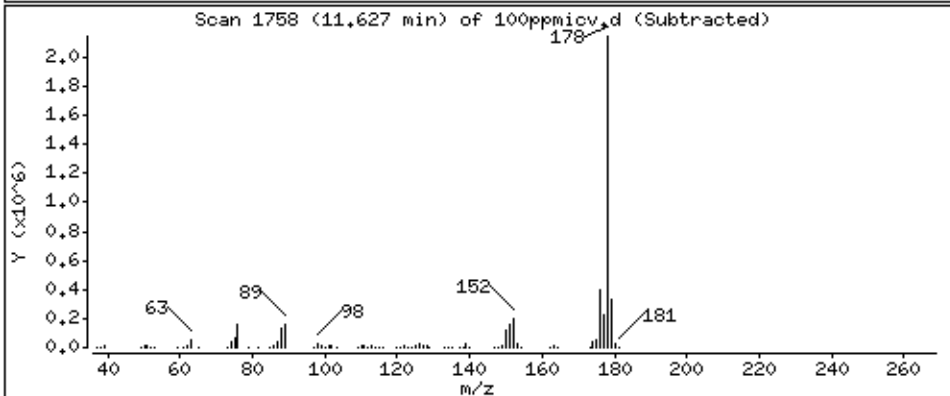
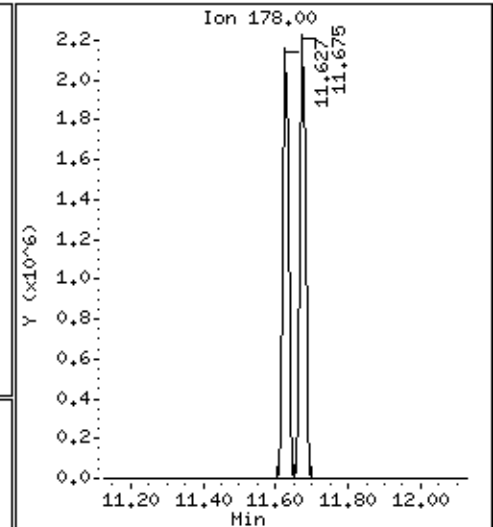
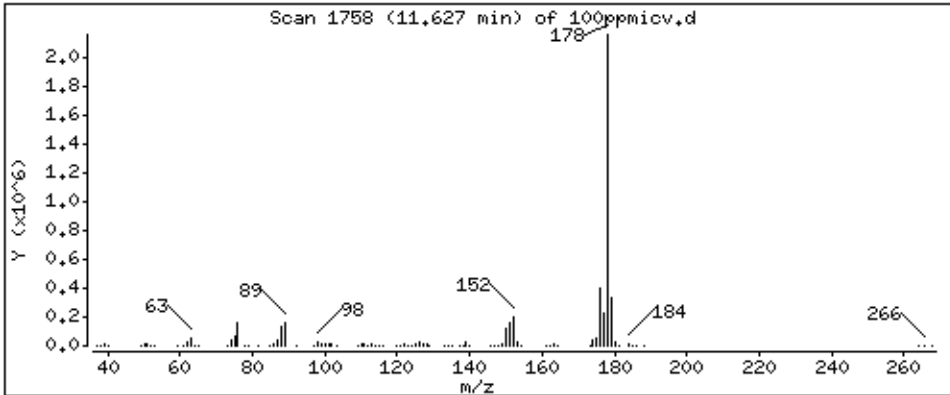
Operator: CEM

Column phase: .50um DB-5ms

Column diameter: 0,25

73 Phenanthrene

Concentration: 98,96 ug/L



Date : 10-JUN-2014 13:45

Client ID:

Instrument: 50MSS3.i

Sample Info: ICV,70293:1

Volume Injected (uL): 1.0

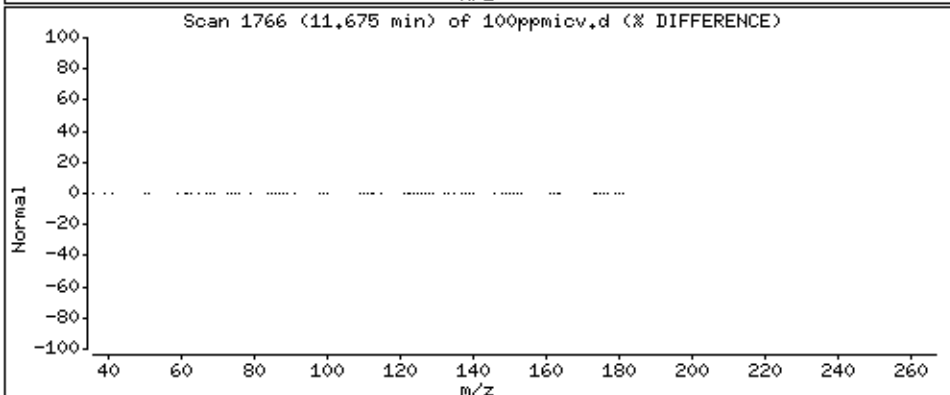
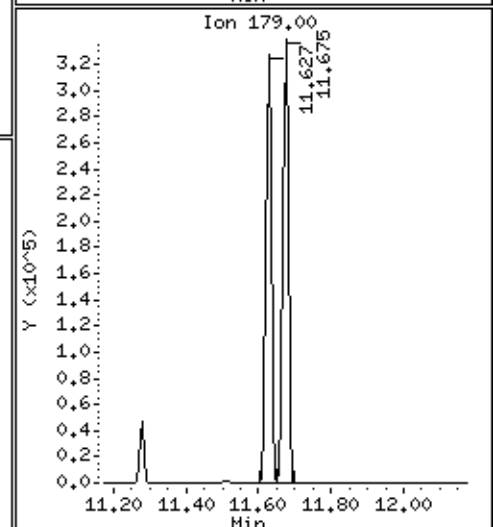
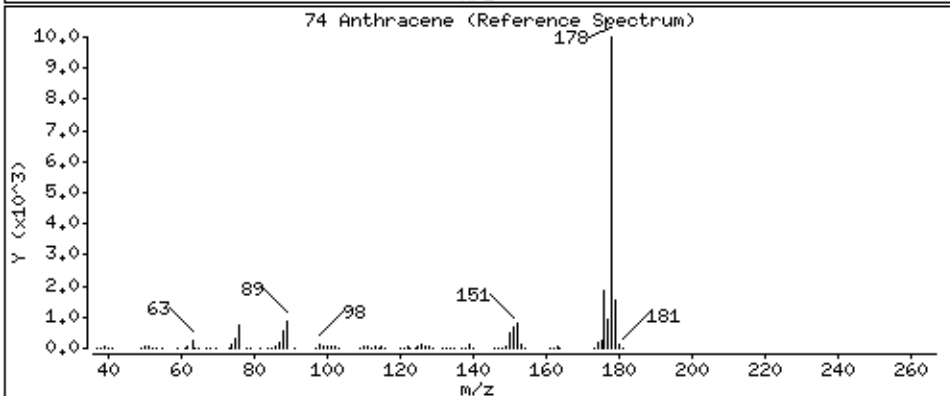
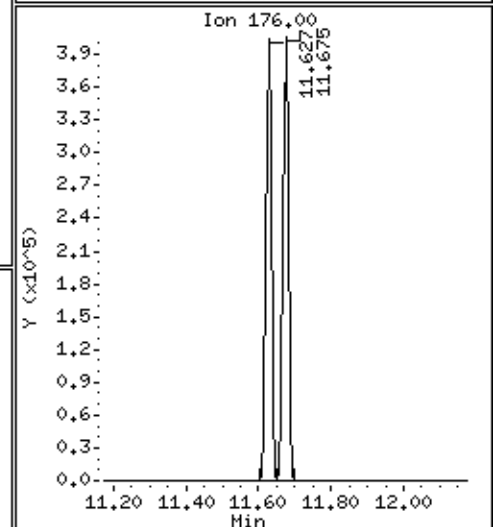
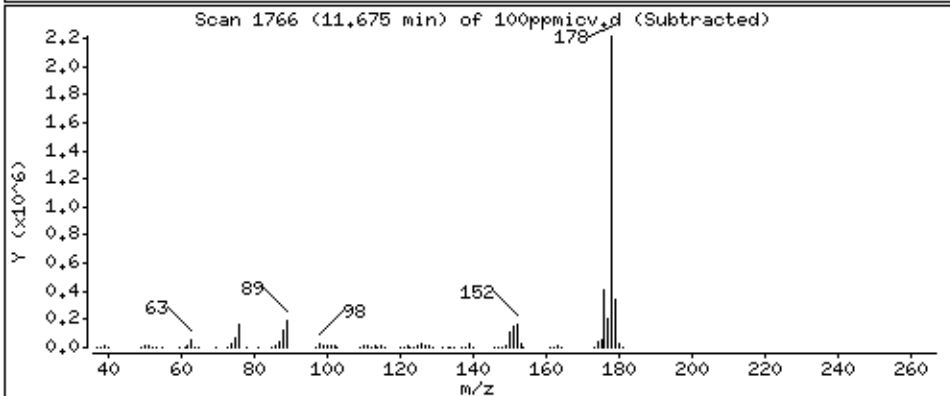
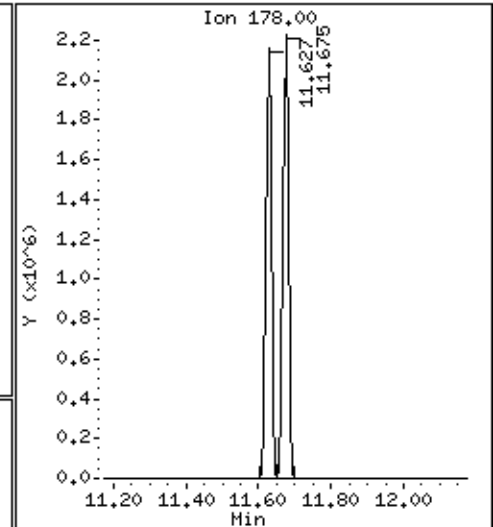
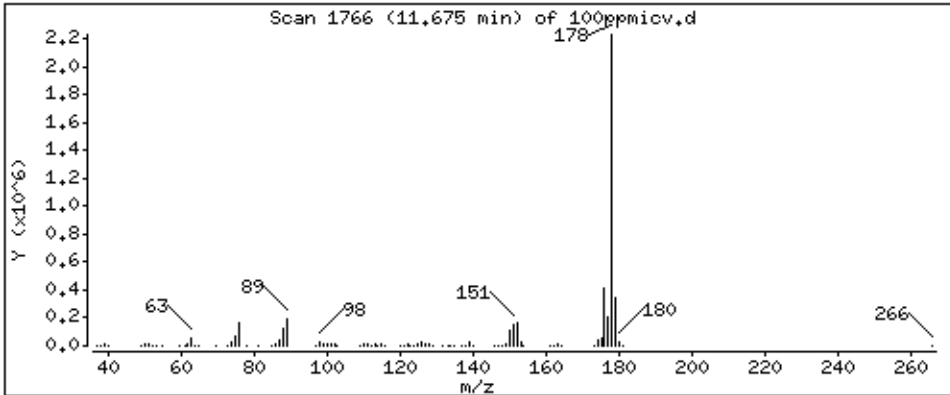
Operator: CEM

Column phase: .50um DB-5ms

Column diameter: 0,25

74 Anthracene

Concentration: 102.2 ug/L



Date : 10-JUN-2014 13:45

Client ID:

Instrument: 50MSS3.i

Sample Info: ICV,70293:1

Volume Injected (uL): 1.0

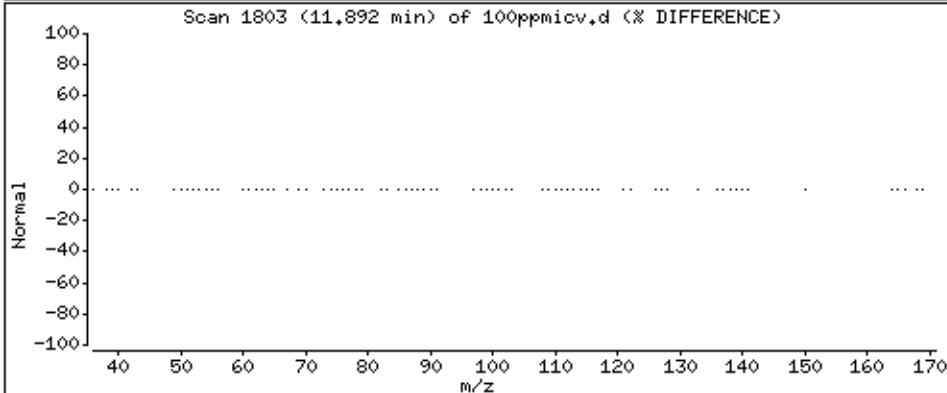
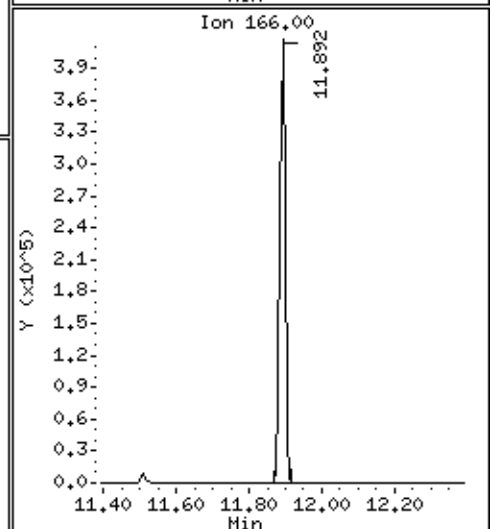
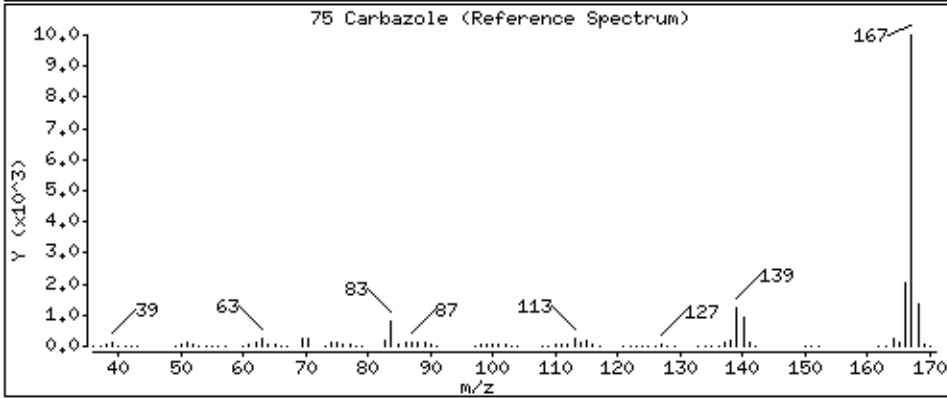
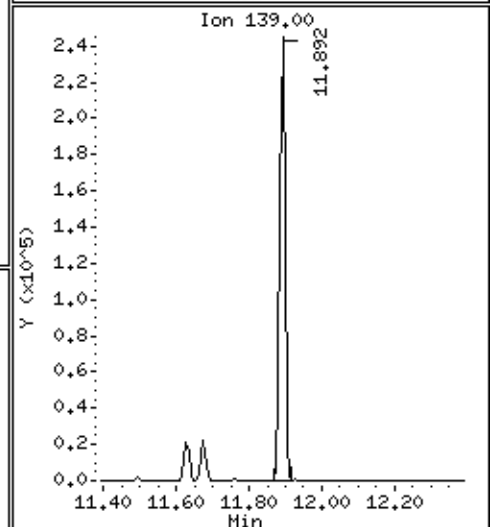
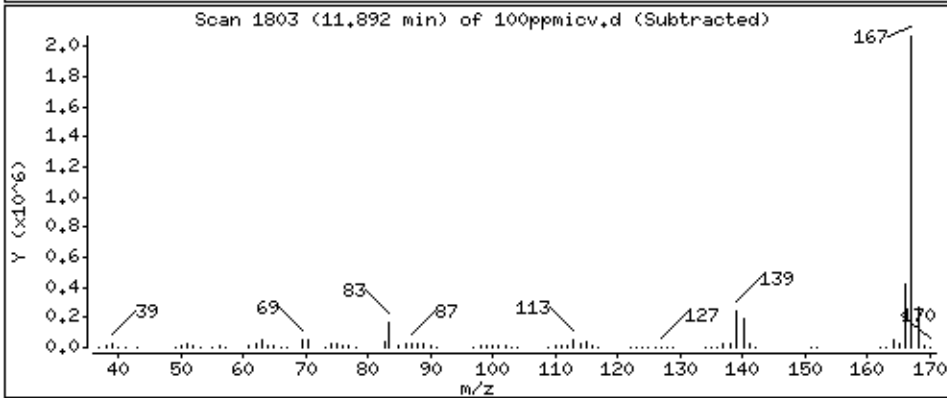
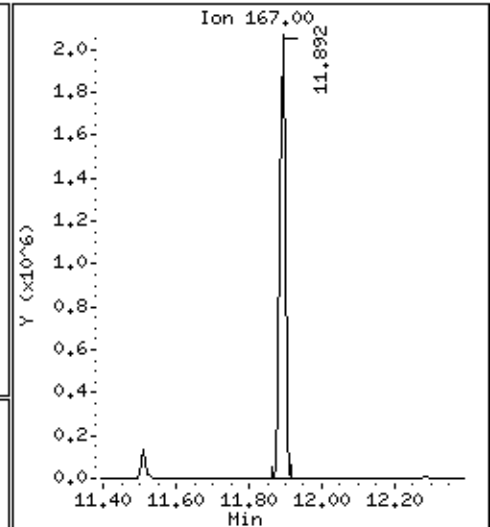
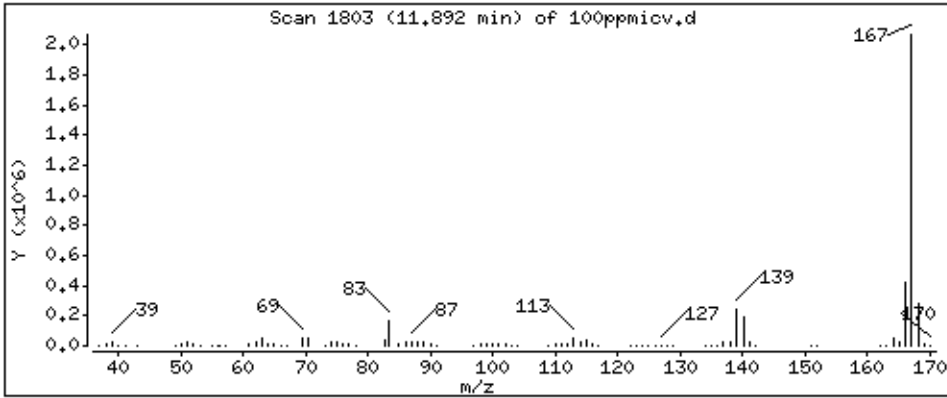
Operator: CEM

Column phase: .50um DB-5ms

Column diameter: 0,25

75 Carbazole

Concentration: 100.2 ug/L



Date : 10-JUN-2014 13:45

Client ID:

Instrument: 50MSS3.i

Sample Info: ICV,70293:1

Volume Injected (uL): 1.0

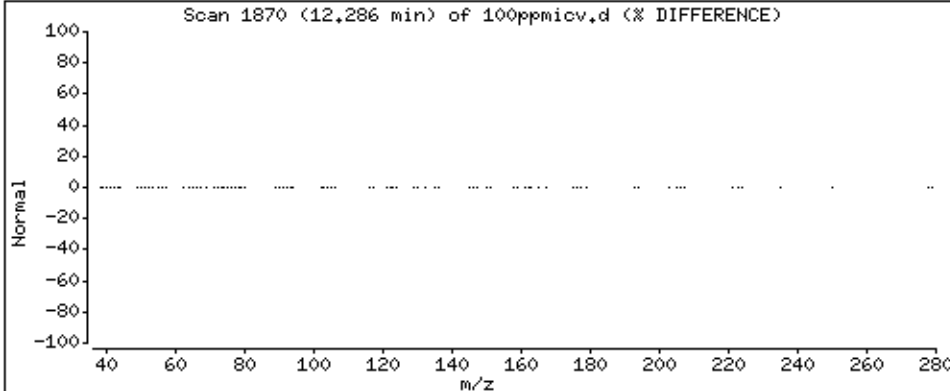
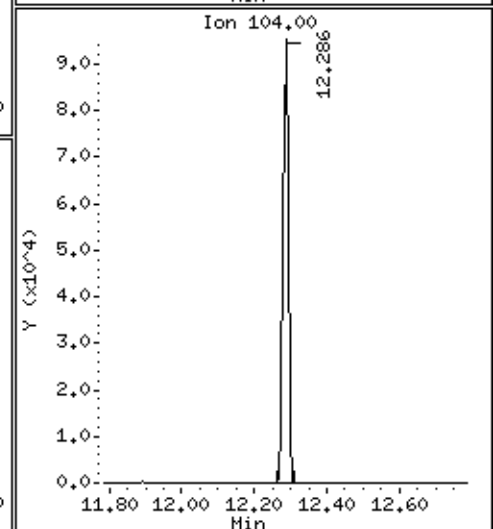
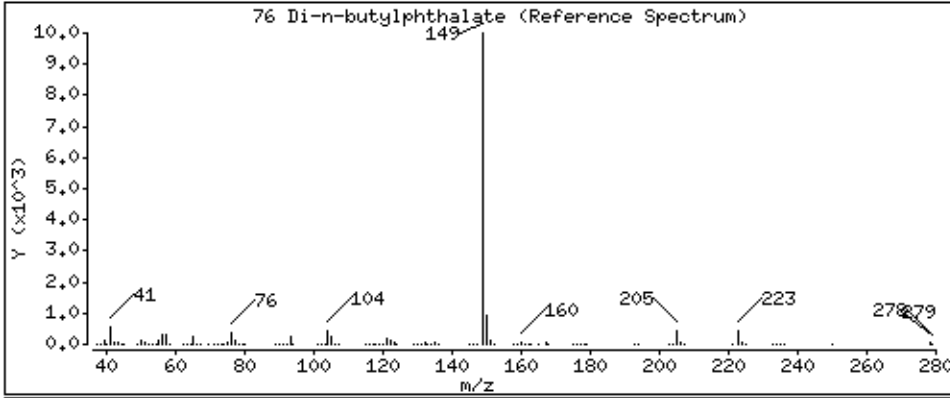
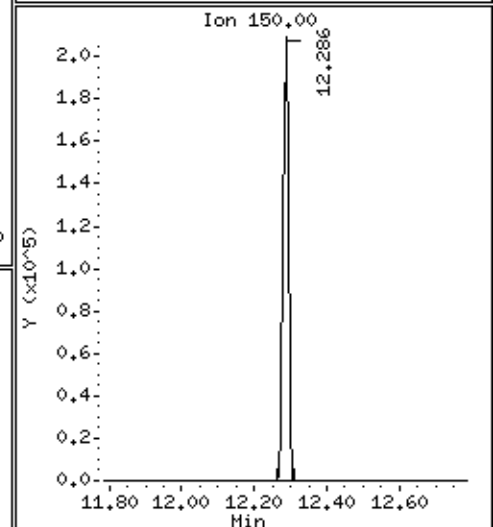
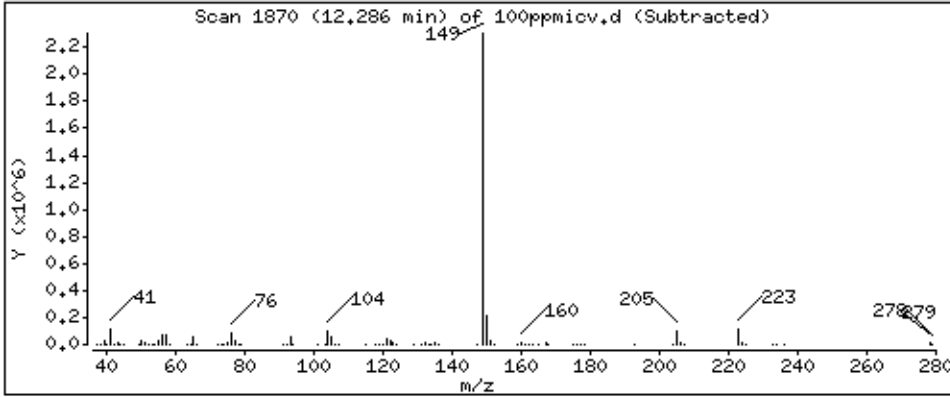
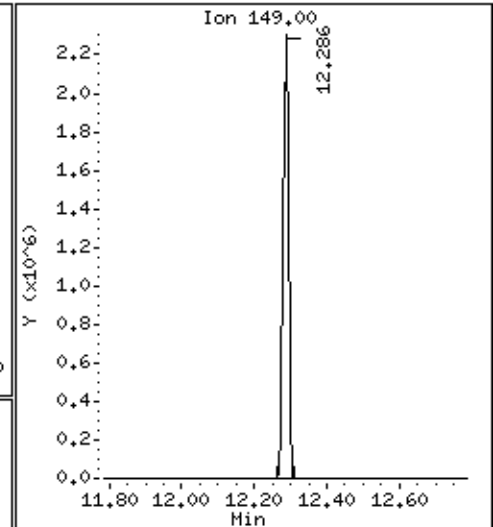
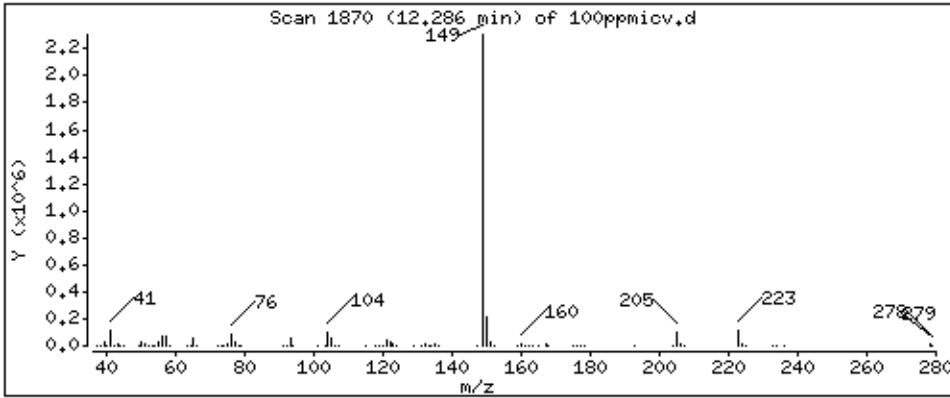
Operator: CEM

Column phase: .50um DB-5ms

Column diameter: 0,25

76 Di-n-butylphthalate

Concentration: 100.8 ug/L



Date : 10-JUN-2014 13:45

Client ID:

Instrument: 50MSS3.i

Sample Info: ICV,70293:1

Volume Injected (uL): 1.0

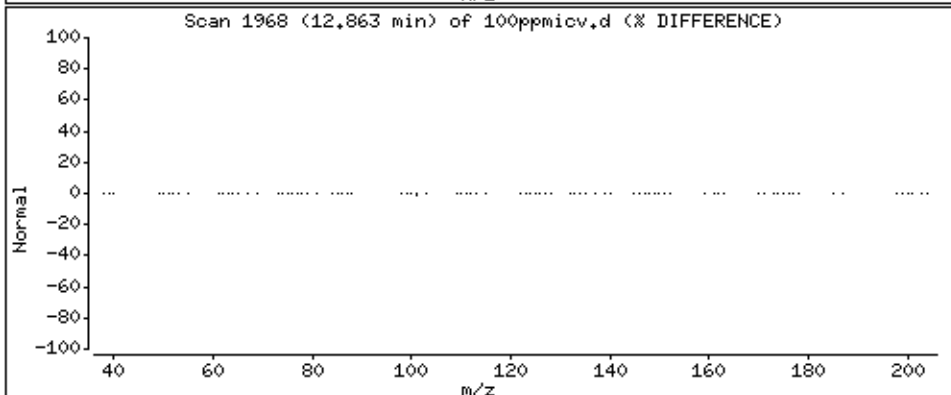
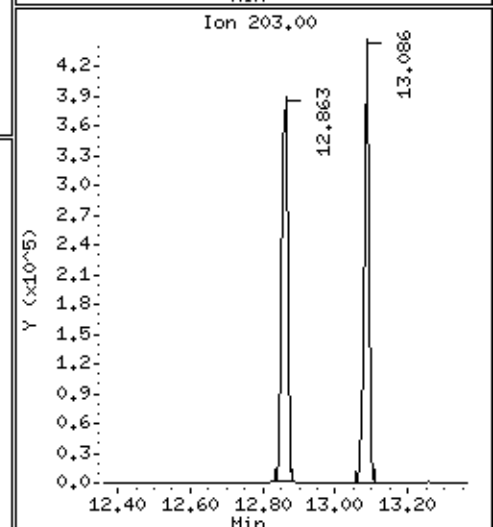
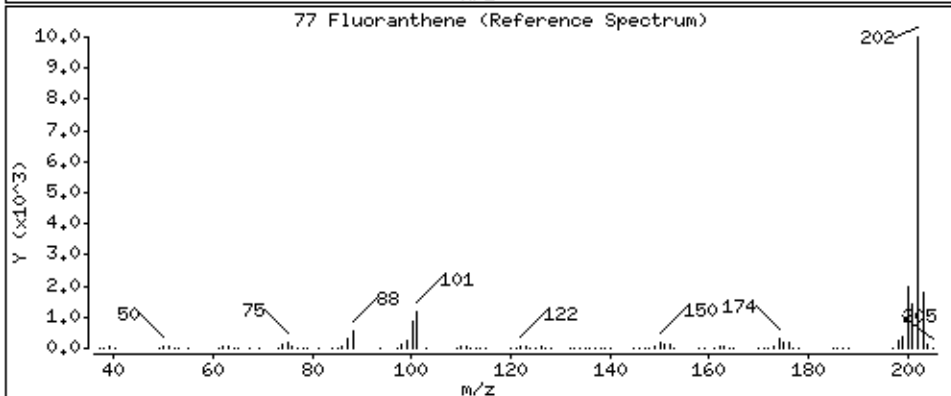
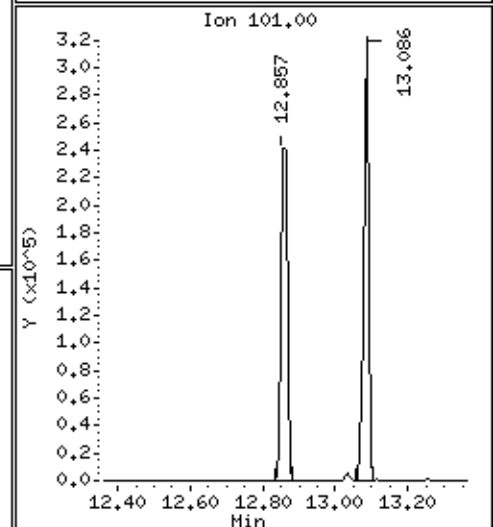
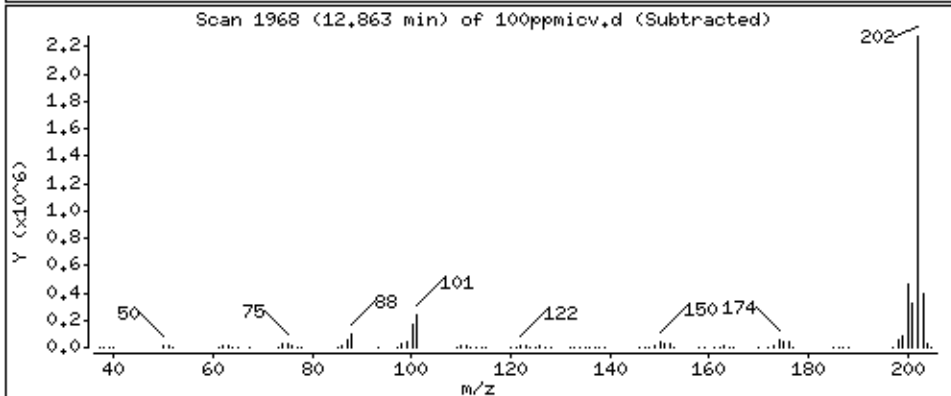
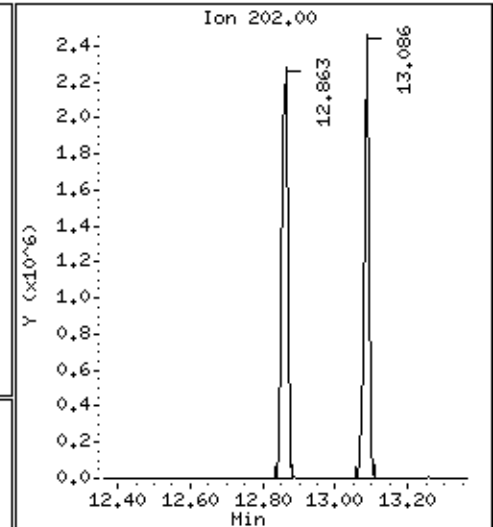
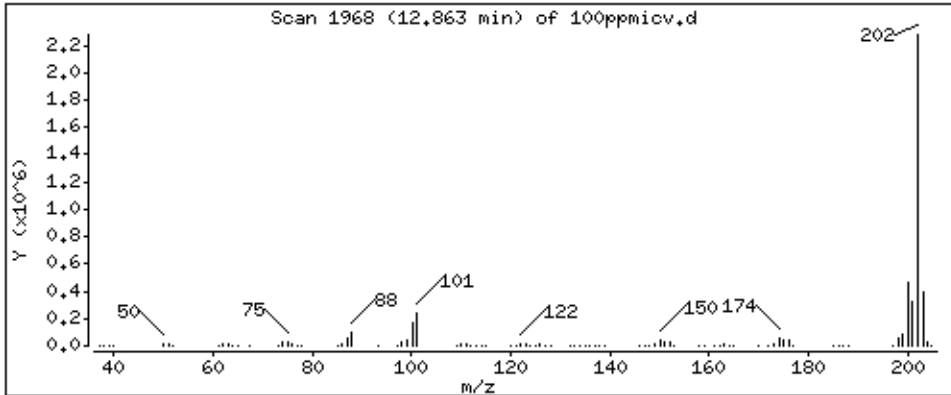
Operator: CEM

Column phase: .50um DB-5ms

Column diameter: 0,25

77 Fluoranthene

Concentration: 98,44 ug/L



Date : 10-JUN-2014 13:45

Client ID:

Instrument: 50MSS3.i

Sample Info: ICV,70293:1

Volume Injected (uL): 1.0

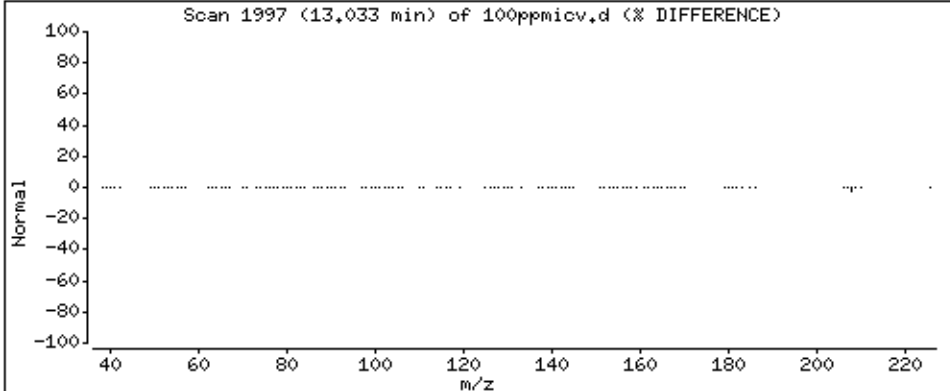
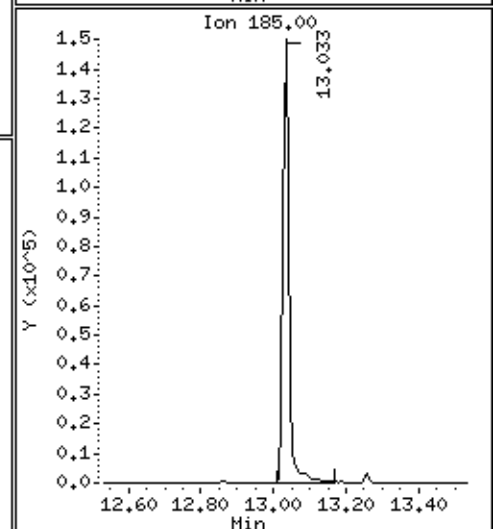
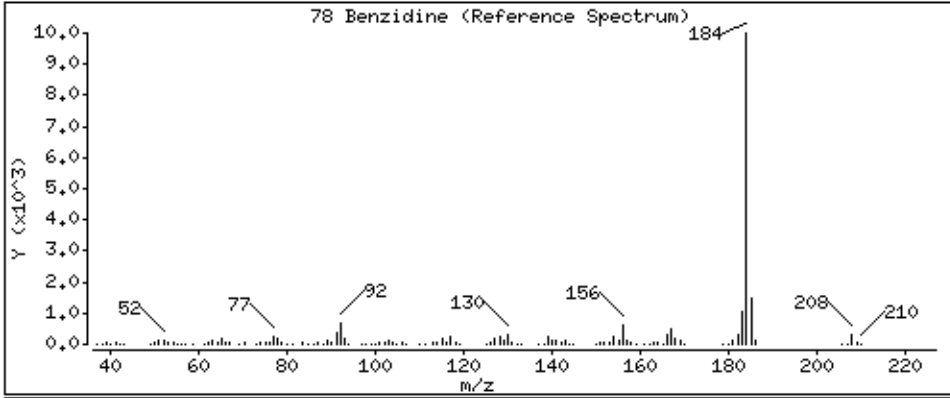
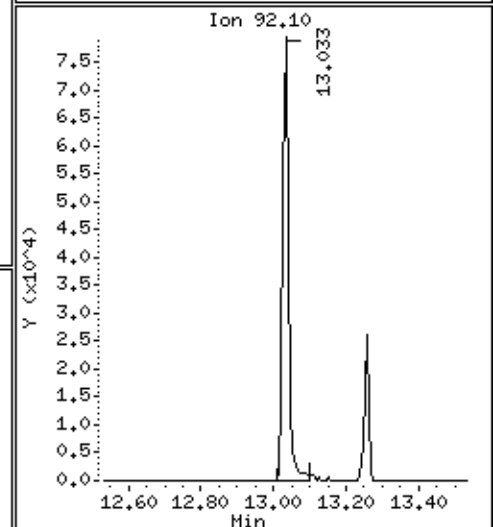
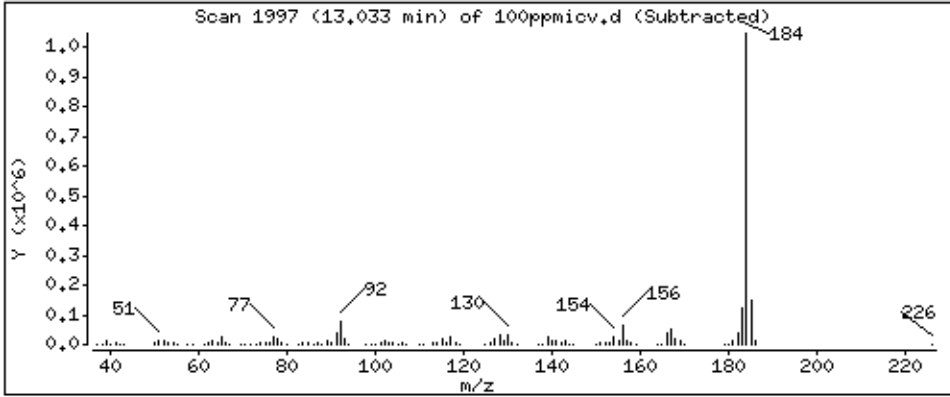
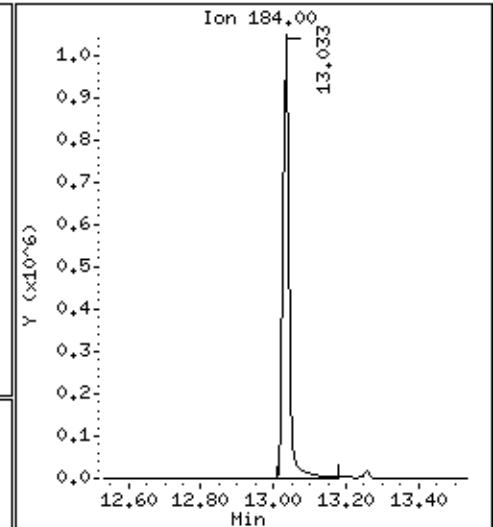
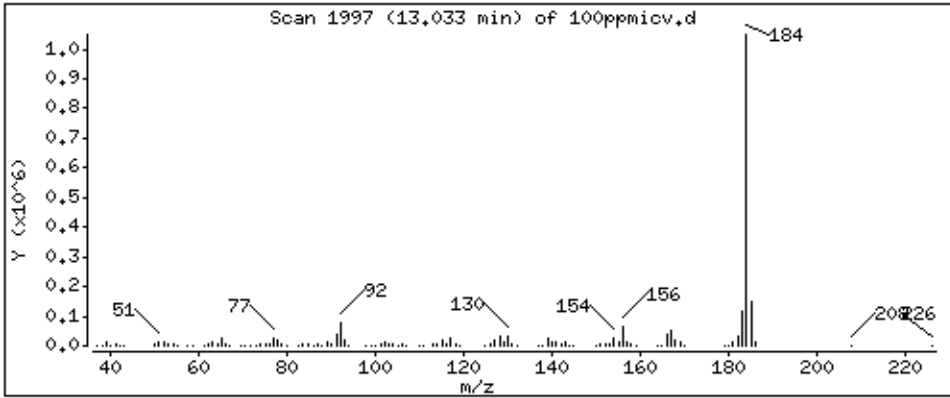
Operator: CEM

Column phase: .50um DB-5ms

Column diameter: 0,25

78 Benzidine

Concentration: 225.4 ug/L



Date : 10-JUN-2014 13:45

Client ID:

Instrument: 50MSS3.i

Sample Info: ICV,70293:1

Volume Injected (uL): 1.0

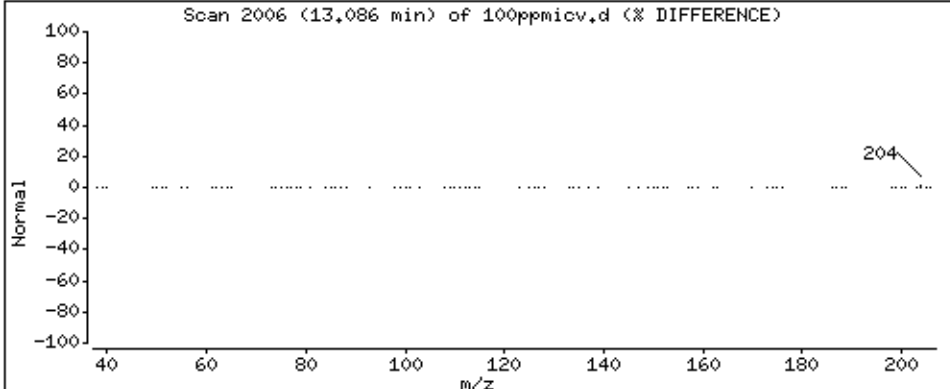
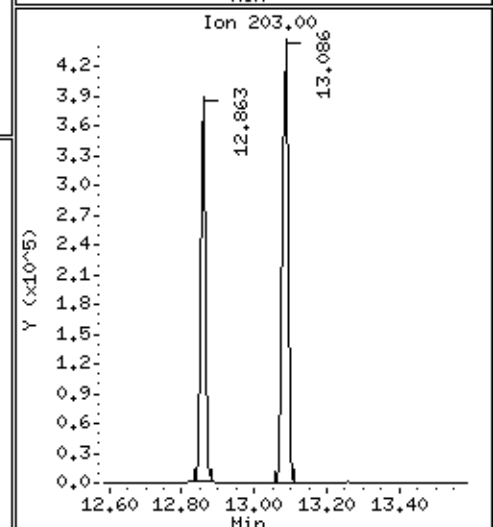
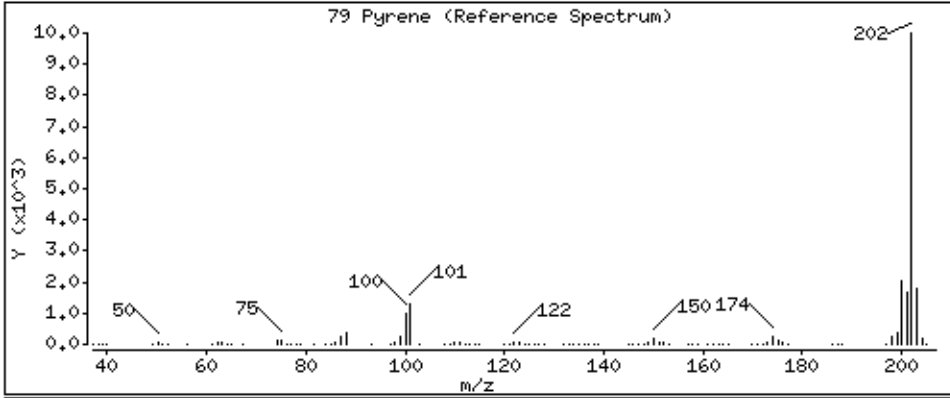
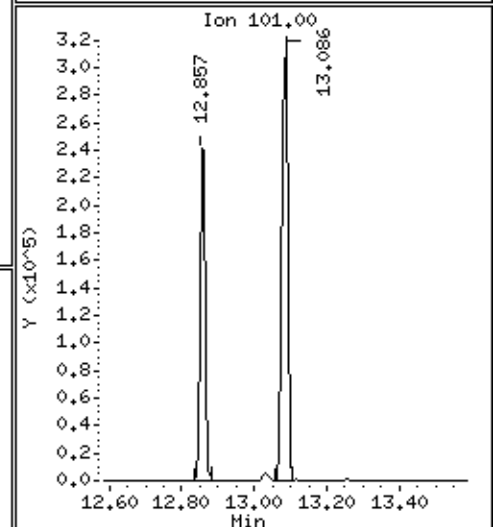
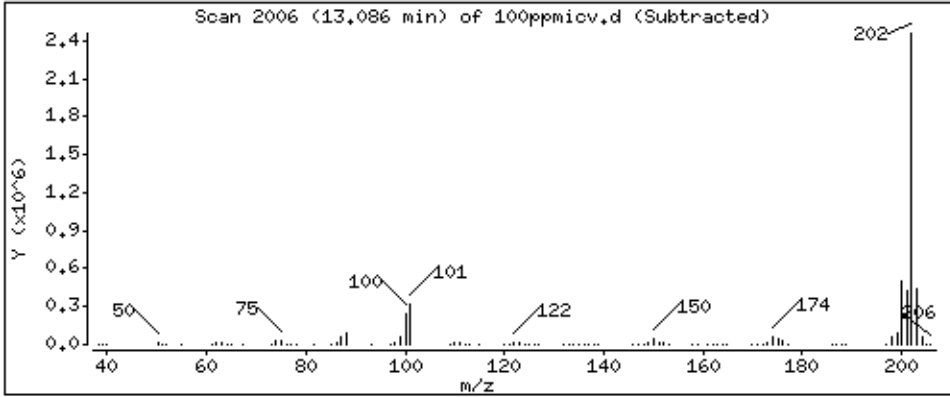
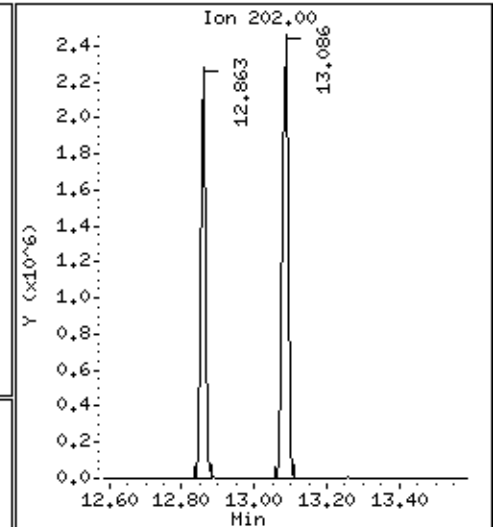
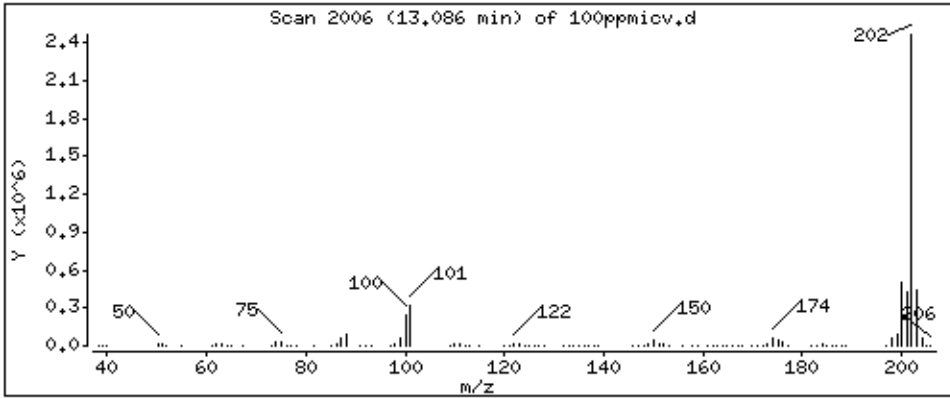
Operator: CEM

Column phase: .50um DB-5ms

Column diameter: 0,25

79 Pyrene

Concentration: 98.49 ug/L



Date : 10-JUN-2014 13:45

Client ID:

Instrument: 50MSS3.i

Sample Info: ICV,70293:1

Volume Injected (uL): 1.0

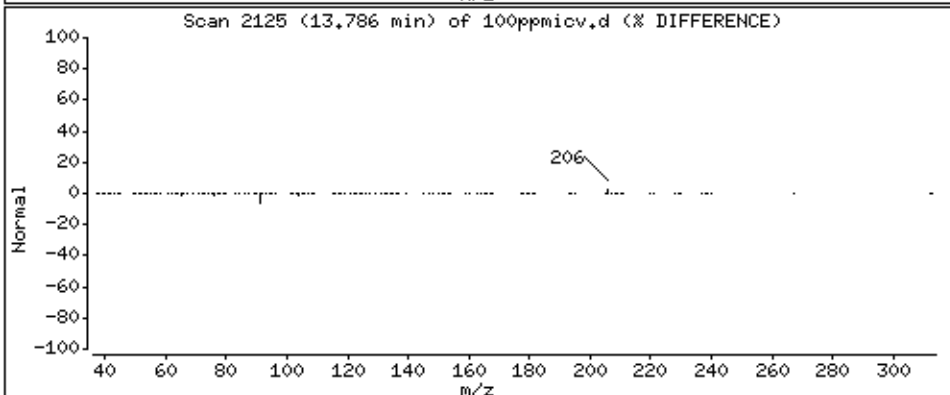
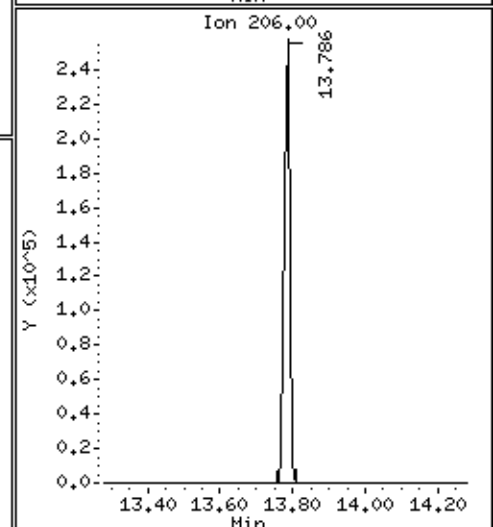
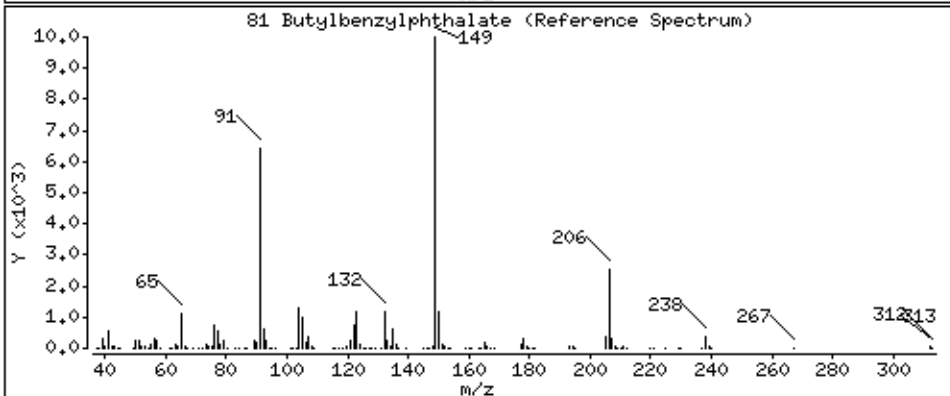
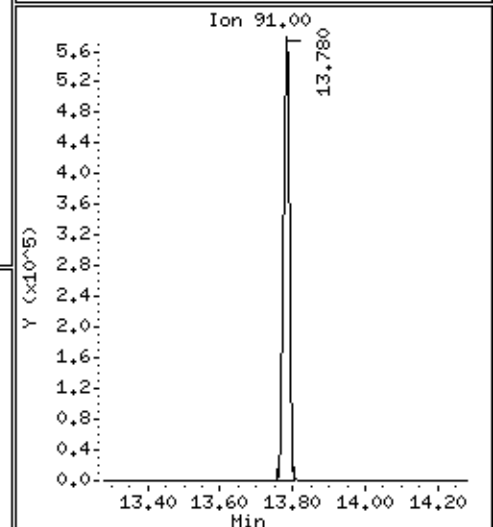
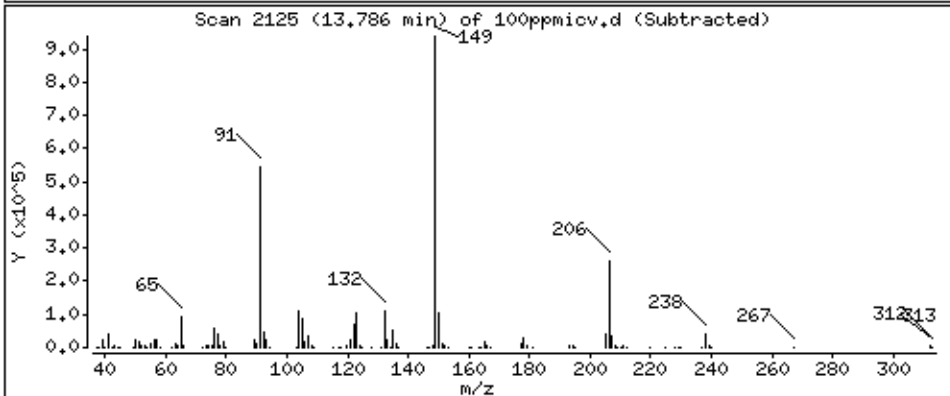
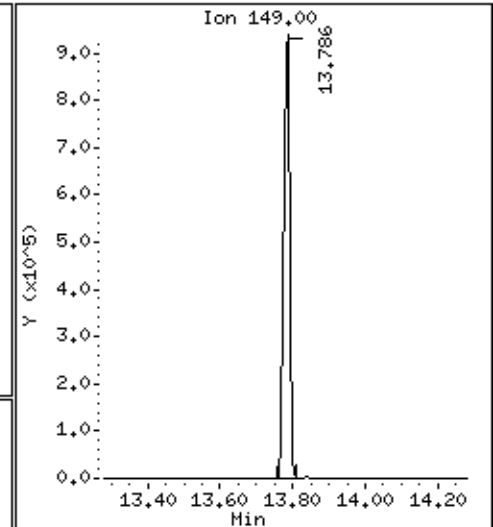
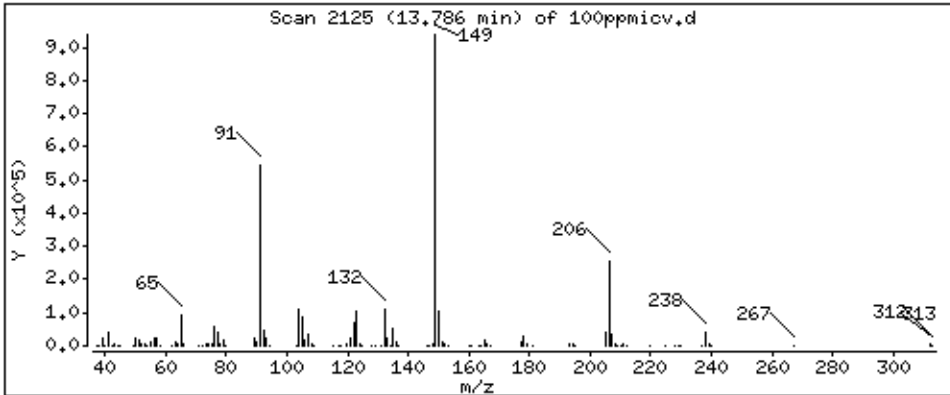
Operator: CEM

Column phase: .50um DB-5ms

Column diameter: 0,25

81 Butylbenzylphthalate

Concentration: 105.1 ug/L



Date : 10-JUN-2014 13:45

Client ID:

Instrument: 50MSS3.i

Sample Info: ICV,70293:1

Volume Injected (uL): 1.0

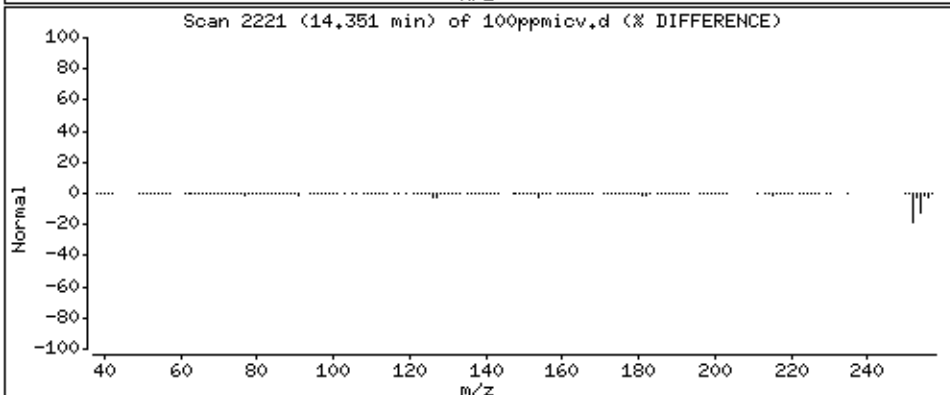
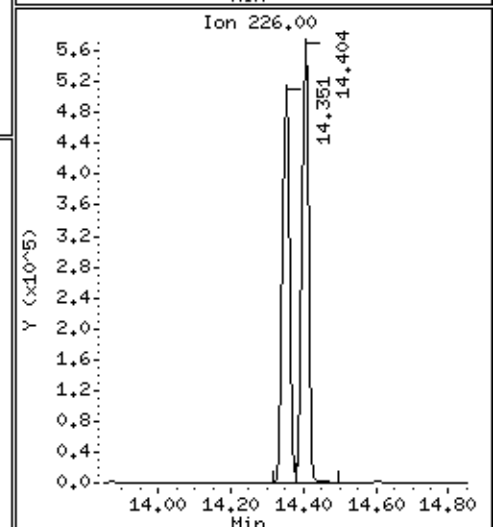
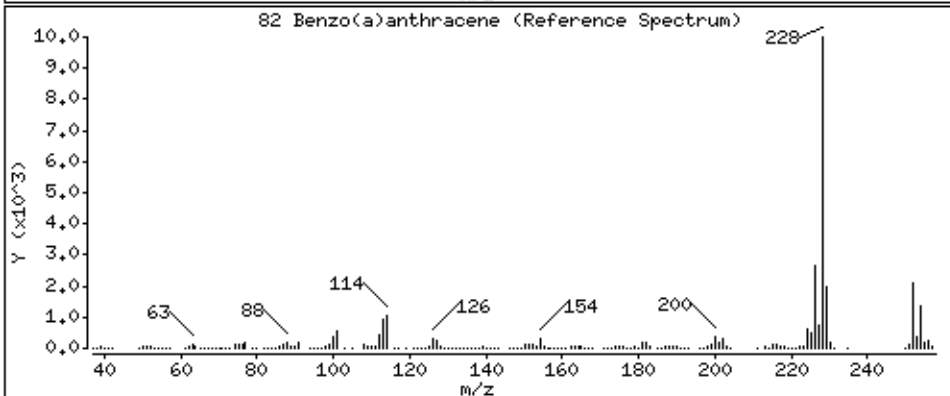
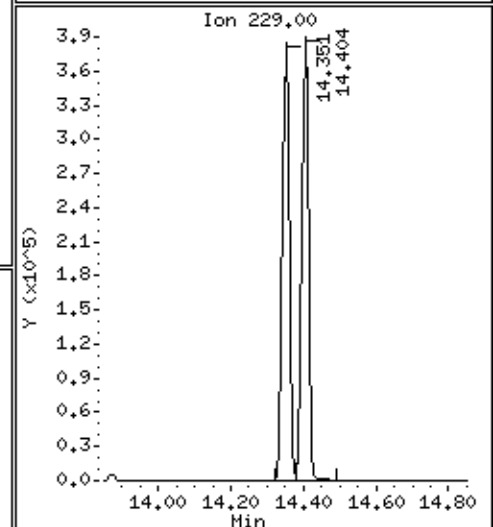
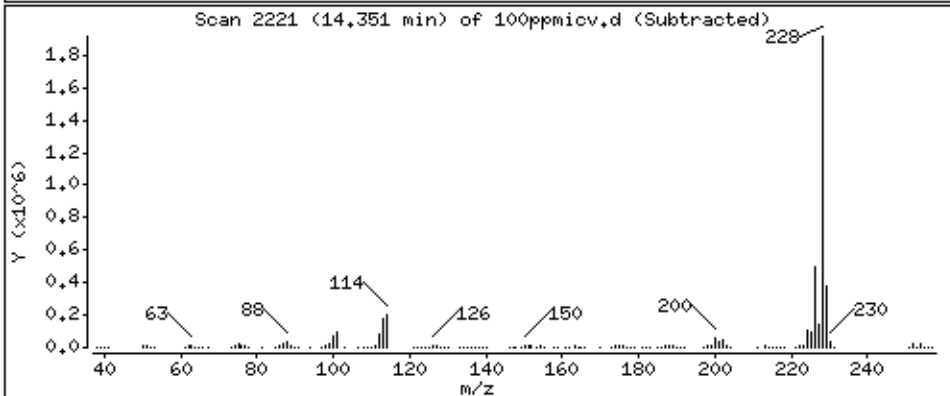
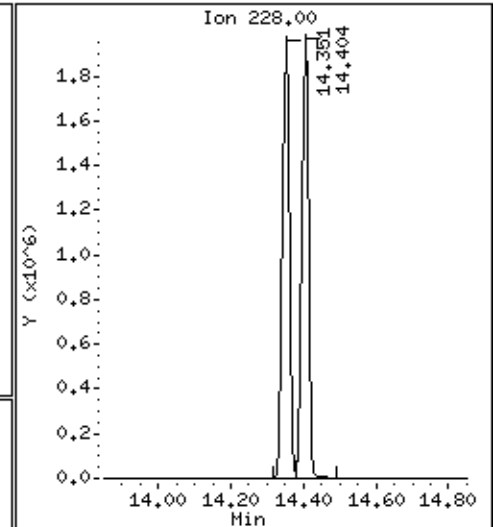
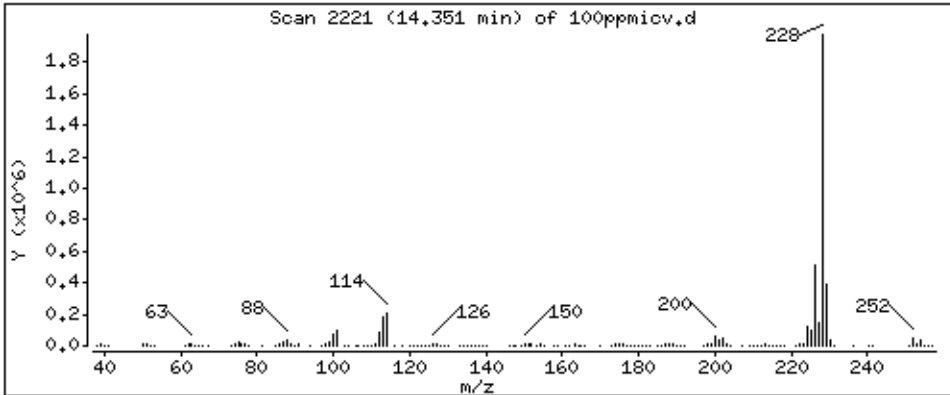
Operator: CEM

Column phase: .50um DB-5ms

Column diameter: 0,25

82 Benzo(a)anthracene

Concentration: 102.3 ug/L



Date : 10-JUN-2014 13:45

Client ID:

Instrument: 50MSS3.i

Sample Info: ICV,70293:1

Volume Injected (uL): 1.0

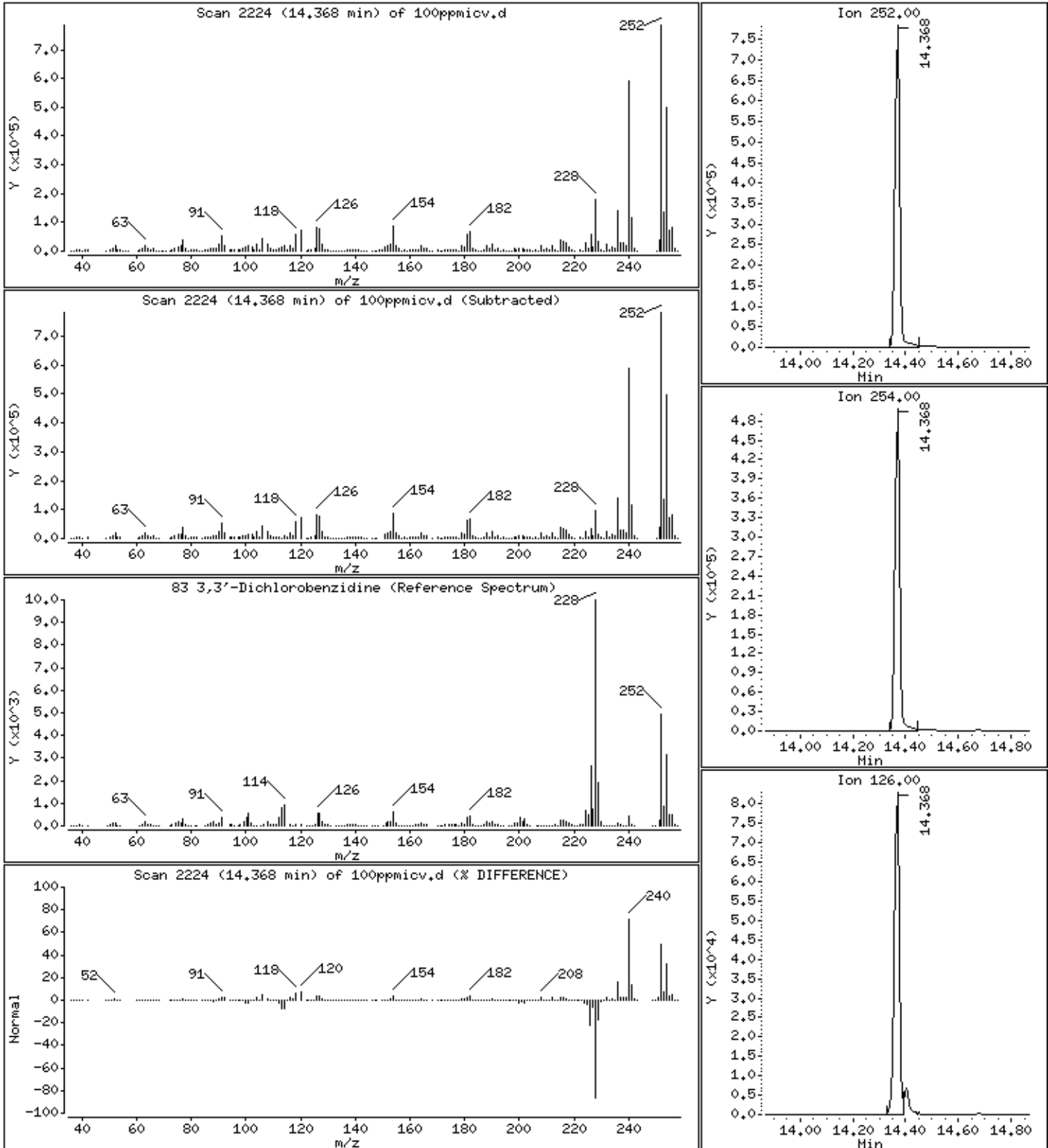
Operator: CEM

Column phase: .50um DB-5ms

Column diameter: 0,25

83 3,3'-Dichlorobenzidine

Concentration: 124.3 ug/L



Date : 10-JUN-2014 13:45

Client ID:

Instrument: 50MSS3.i

Sample Info: ICV,70293:1

Volume Injected (uL): 1.0

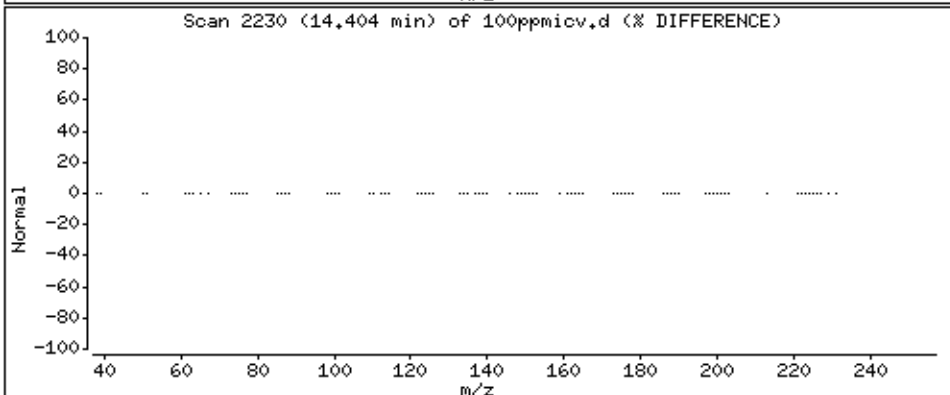
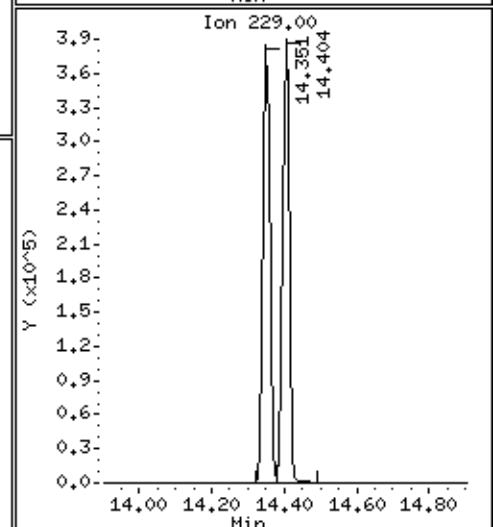
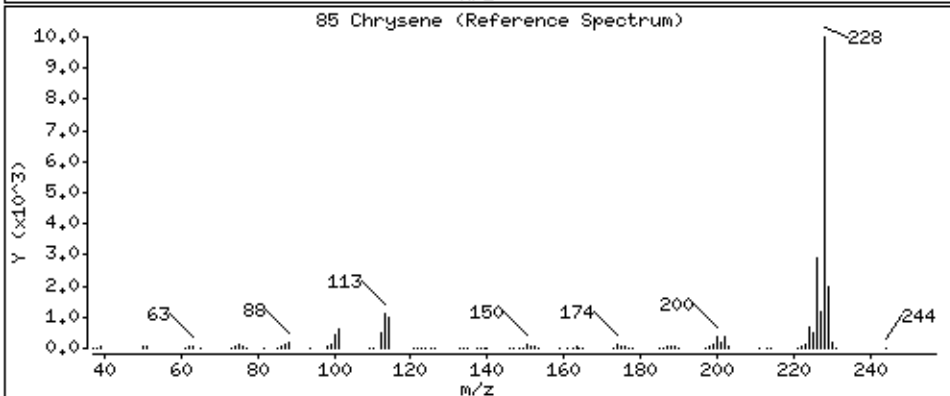
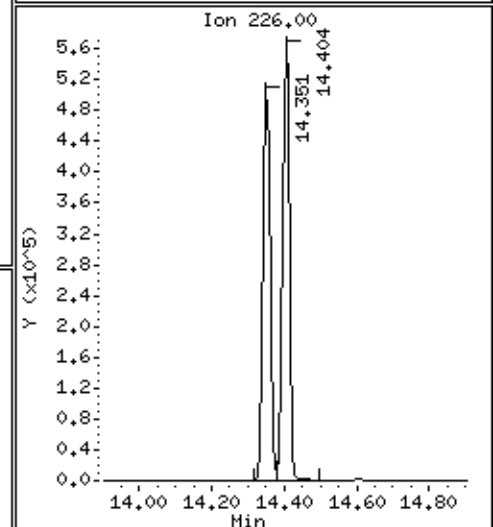
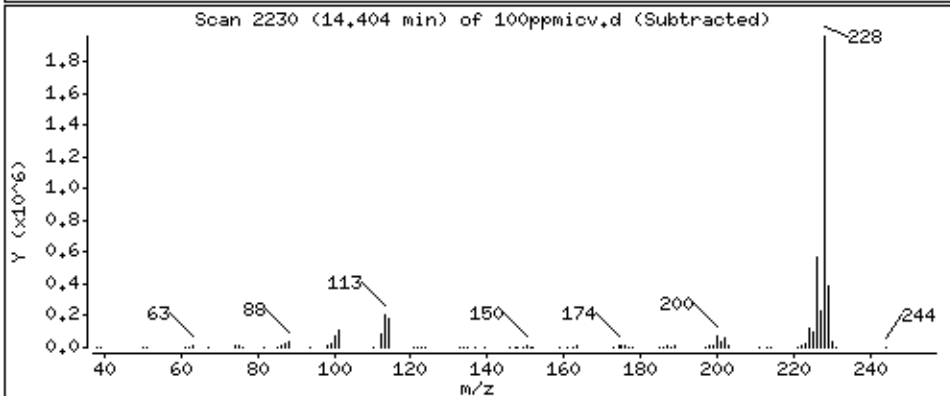
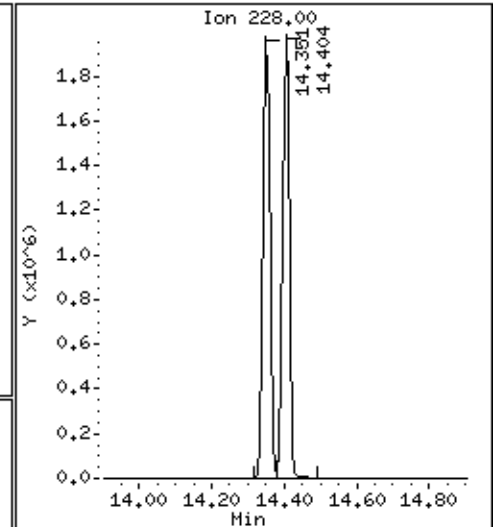
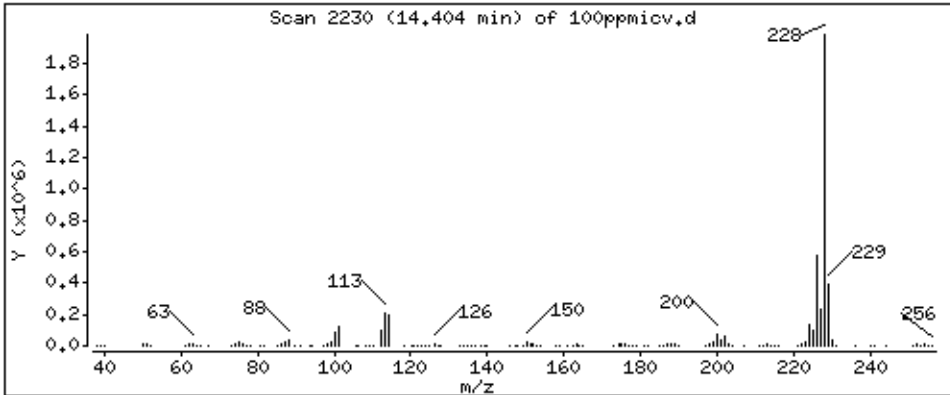
Operator: CEM

Column phase: .50um DB-5ms

Column diameter: 0,25

85 Chrysene

Concentration: 104.4 ug/L



Date : 10-JUN-2014 13:45

Client ID:

Instrument: 50MSS3.i

Sample Info: ICV,70293:1

Volume Injected (uL): 1.0

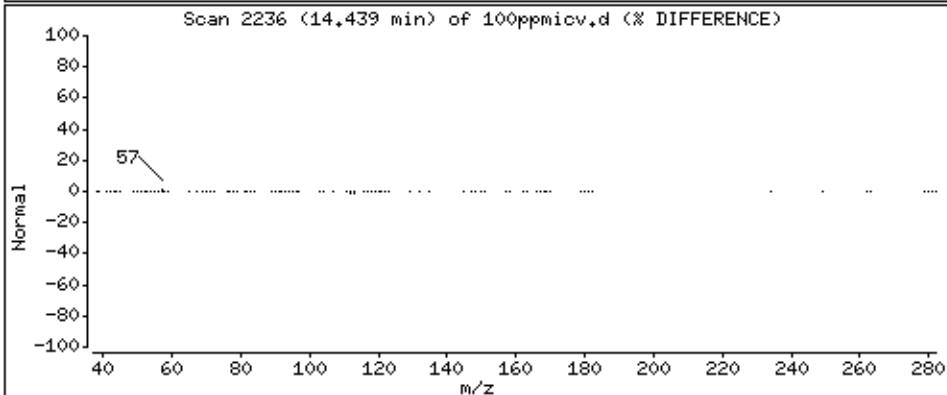
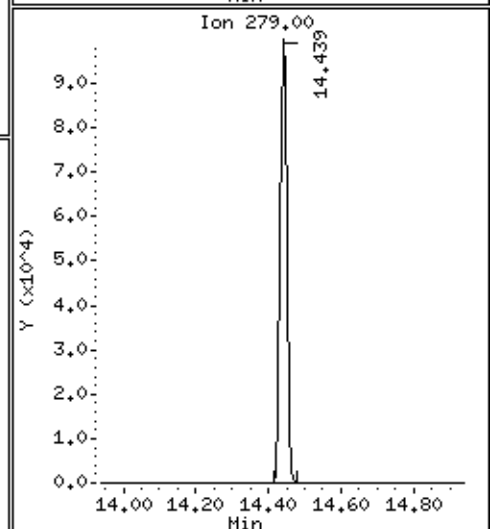
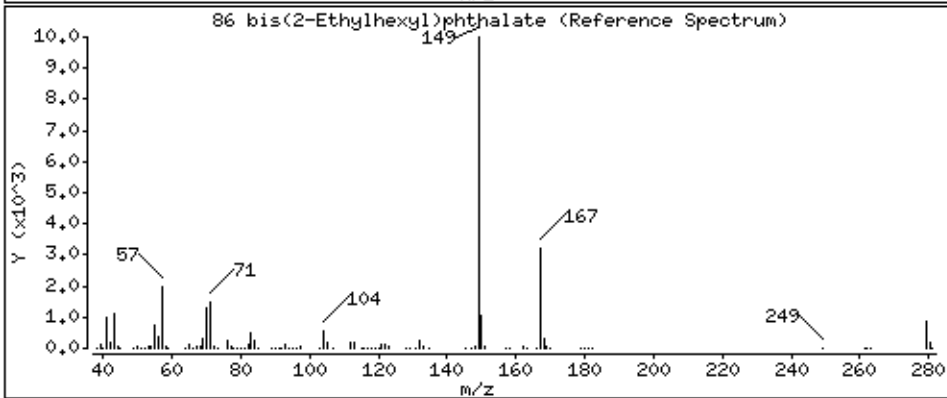
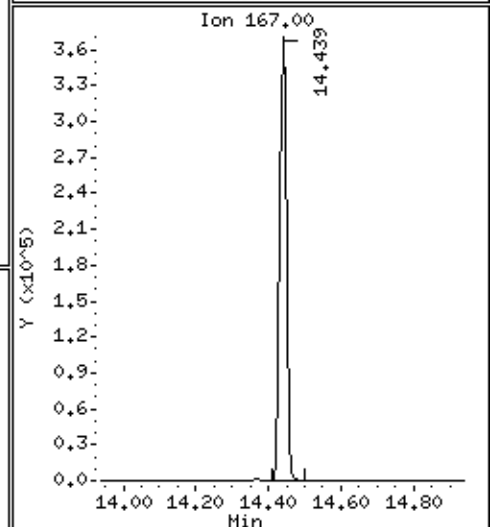
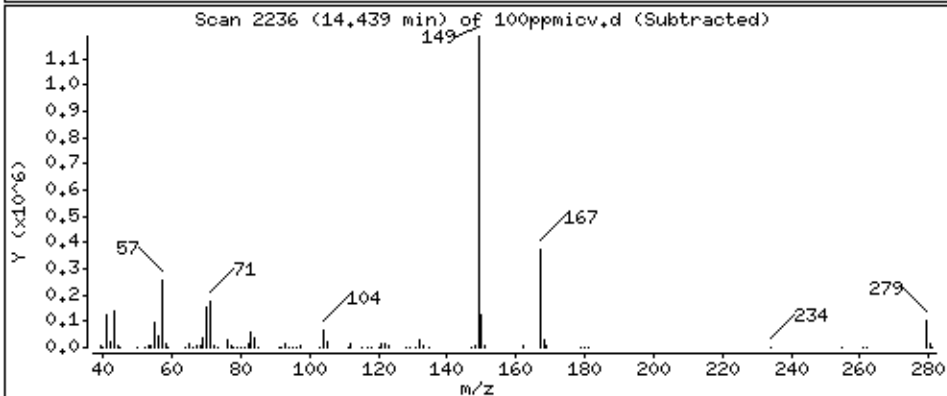
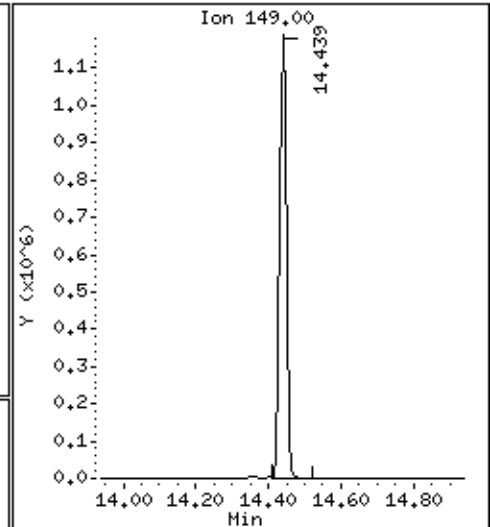
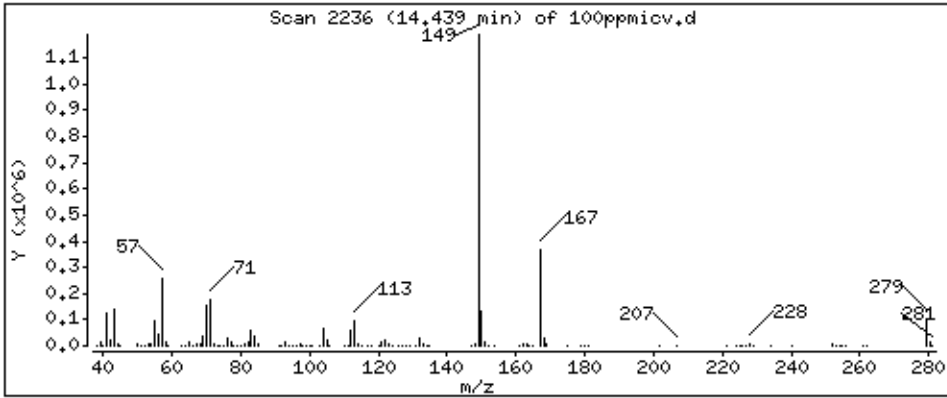
Operator: CEM

Column phase: .50um DB-5ms

Column diameter: 0,25

86 bis(2-Ethylhexyl)phthalate

Concentration: 106.7 ug/L



Date : 10-JUN-2014 13:45

Client ID:

Instrument: 50MSS3.i

Sample Info: ICV,70293:1

Volume Injected (uL): 1.0

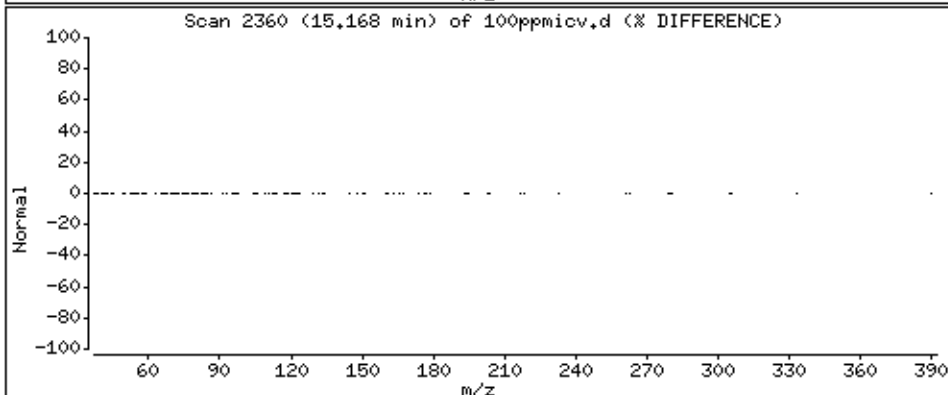
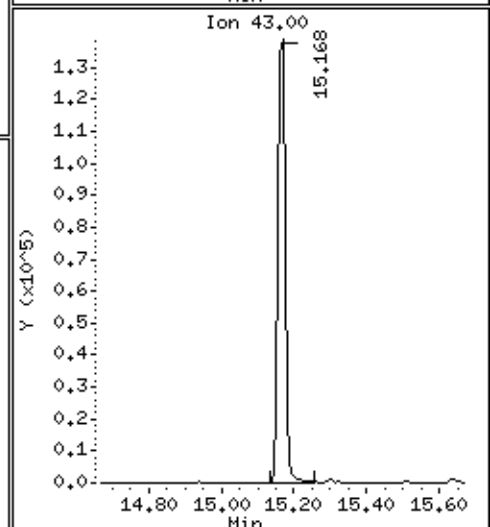
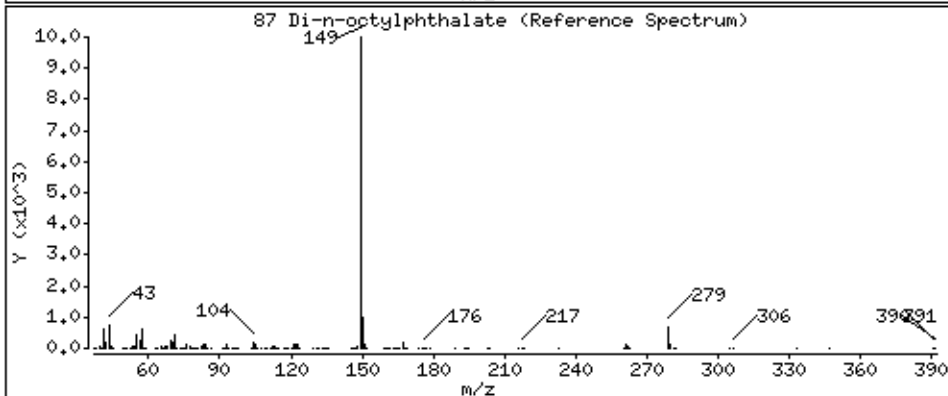
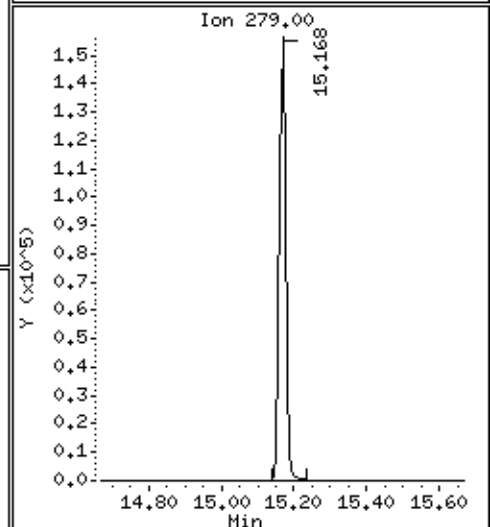
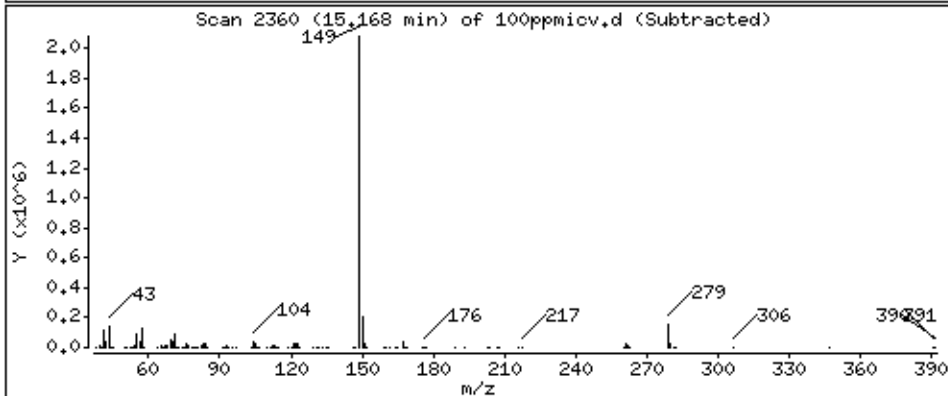
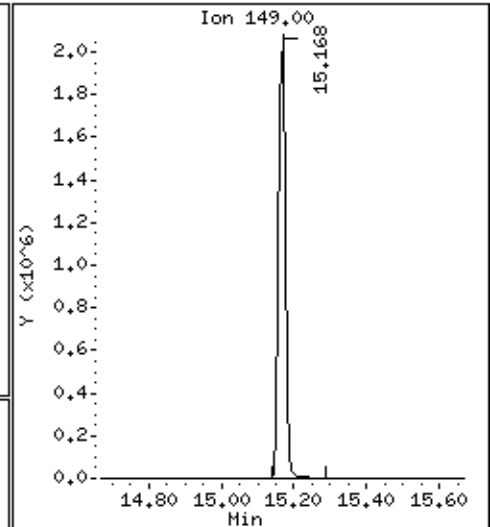
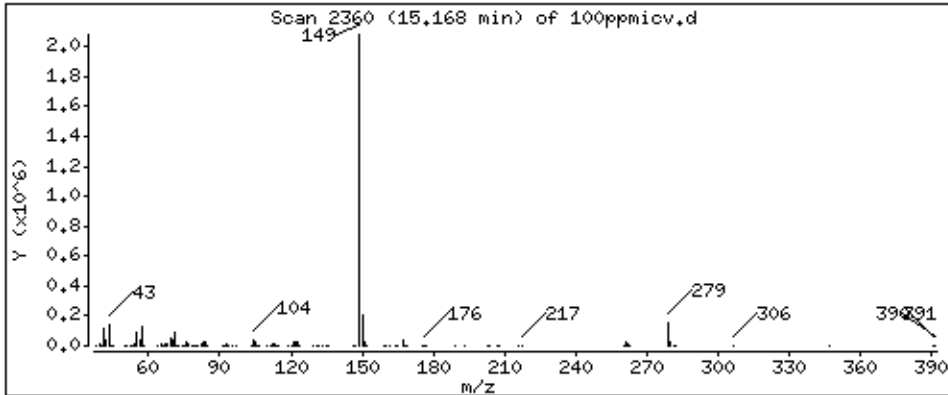
Operator: CEM

Column phase: .50um DB-5ms

Column diameter: 0,25

87 Di-n-octylphthalate

Concentration: 107.2 ug/L



Date : 10-JUN-2014 13:45

Client ID:

Instrument: 50MSS3.i

Sample Info: ICV,70293:1

Volume Injected (uL): 1.0

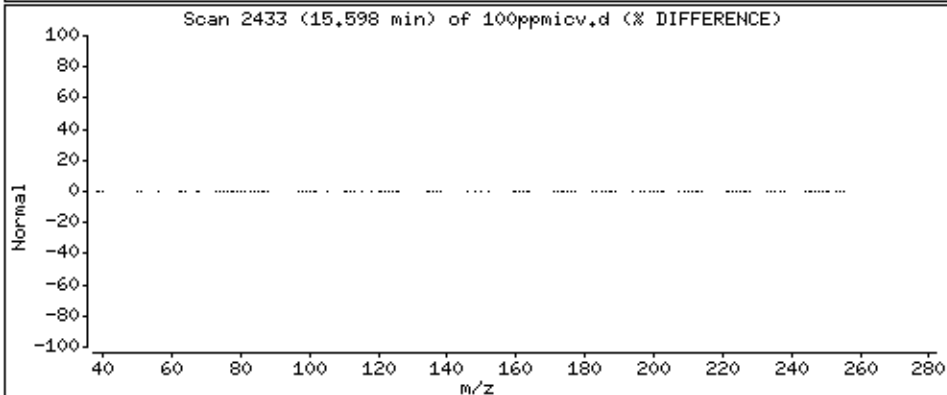
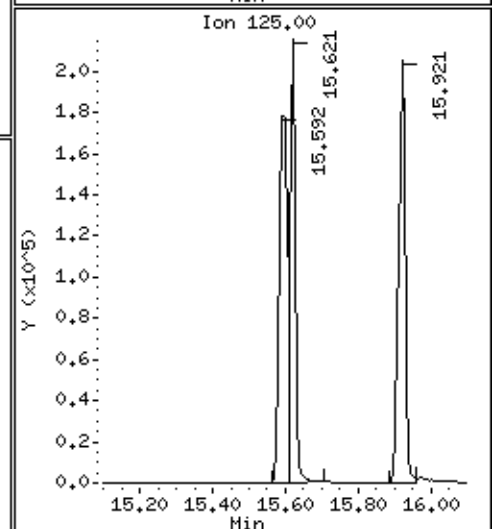
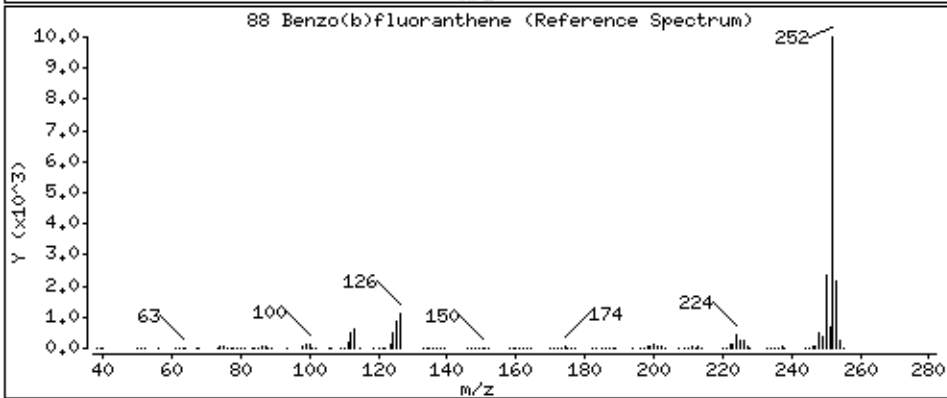
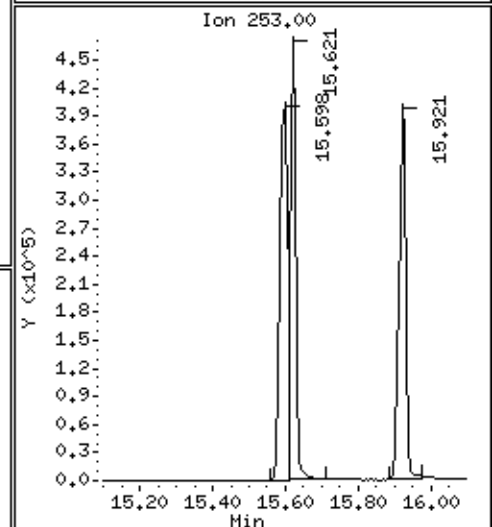
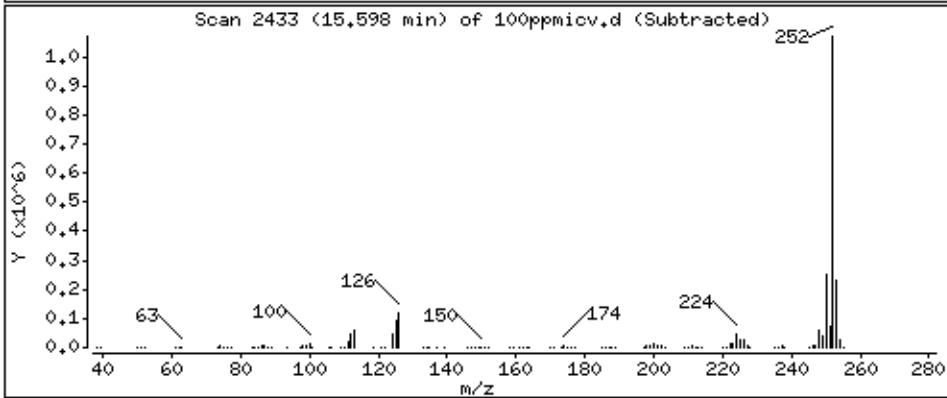
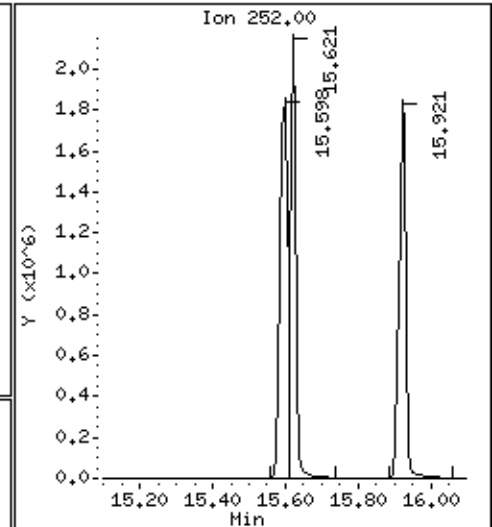
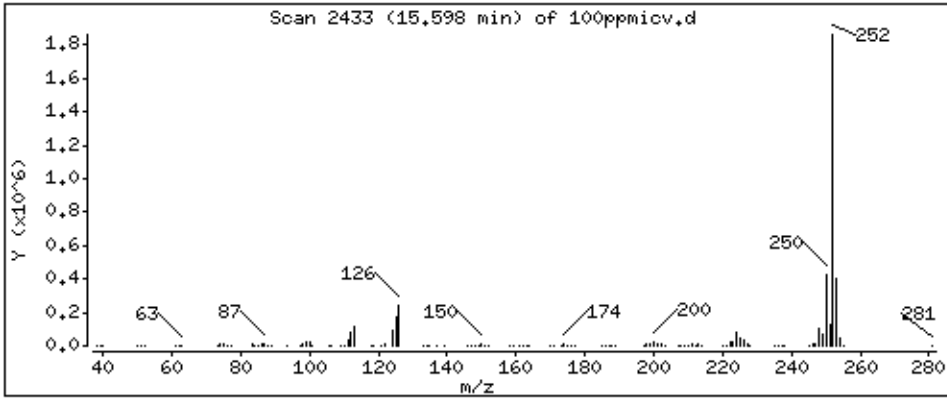
Operator: CEM

Column phase: .50um DB-5ms

Column diameter: 0,25

88 Benzo(b)fluoranthene

Concentration: 107.0 ug/L



Date : 10-JUN-2014 13:45

Client ID:

Instrument: 50MSS3.i

Sample Info: ICV,70293:1

Operator: CEM

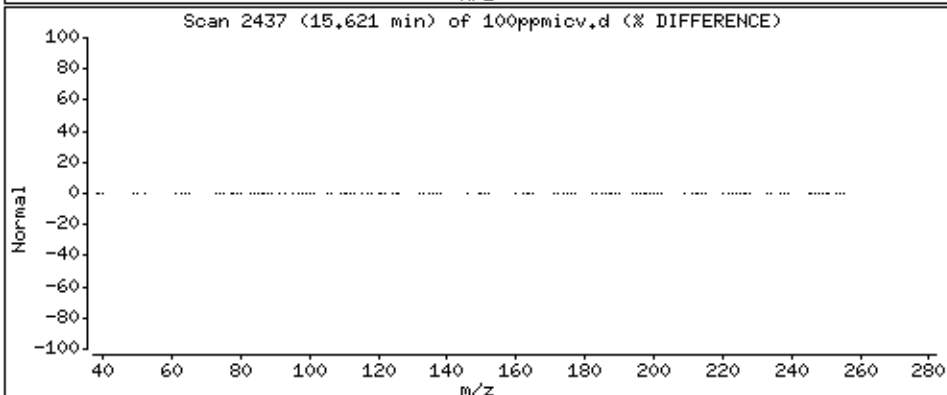
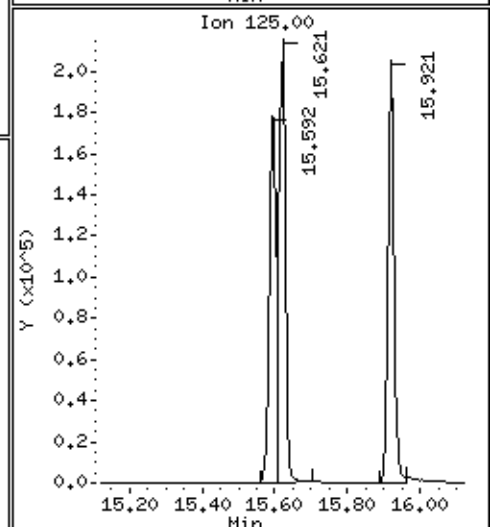
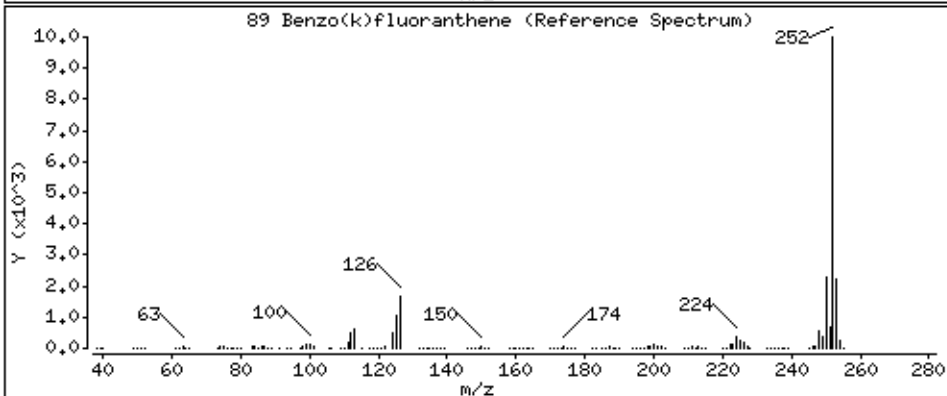
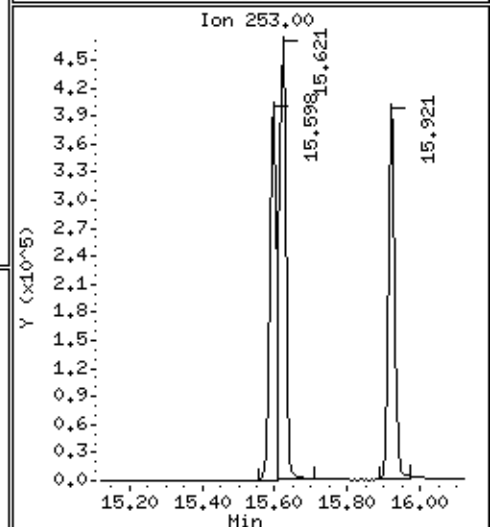
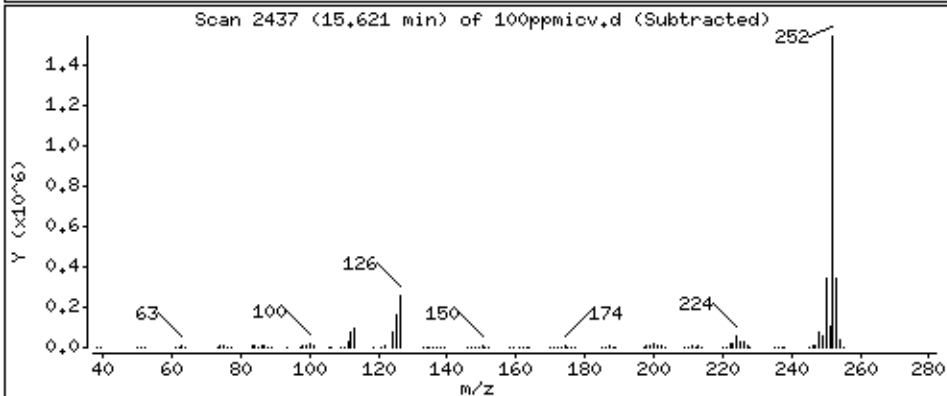
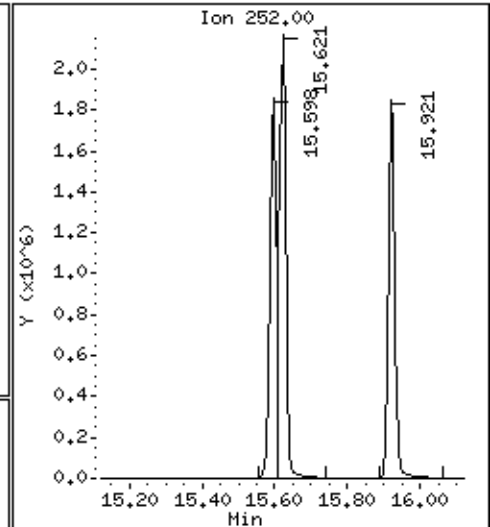
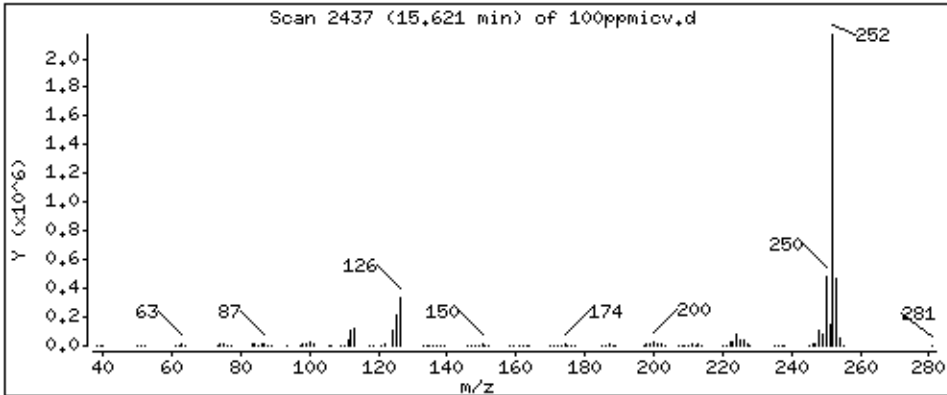
Volume Injected (uL): 1.0

Column diameter: 0,25

Column phase: .50um DB-5ms

Concentration: 95,00 ug/L

89 Benzo(k)fluoranthene



Date : 10-JUN-2014 13:45

Client ID:

Instrument: 50MSS3.i

Sample Info: ICV,70293:1

Volume Injected (uL): 1.0

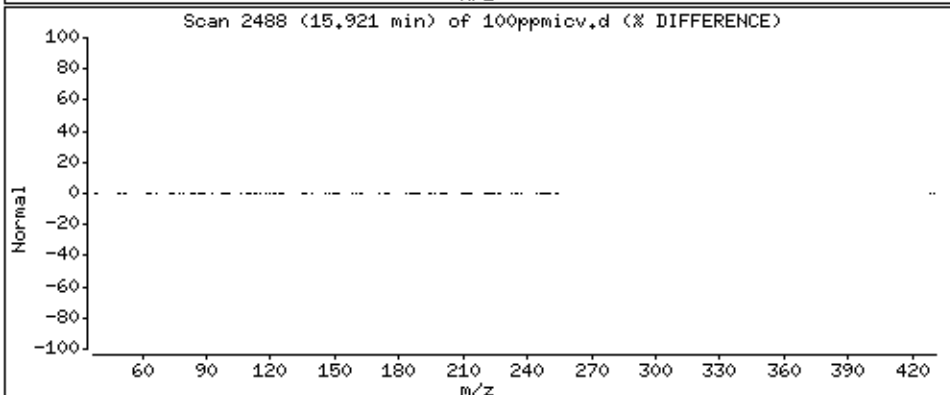
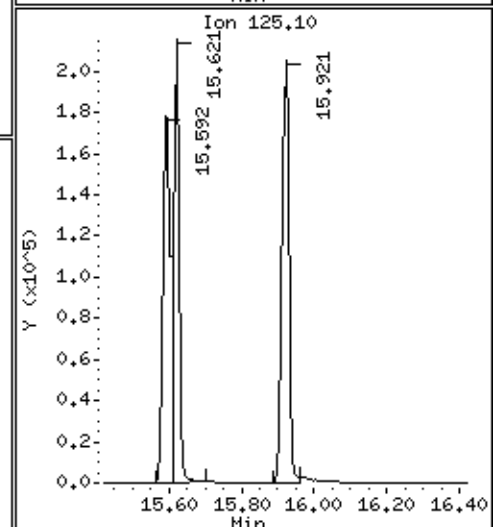
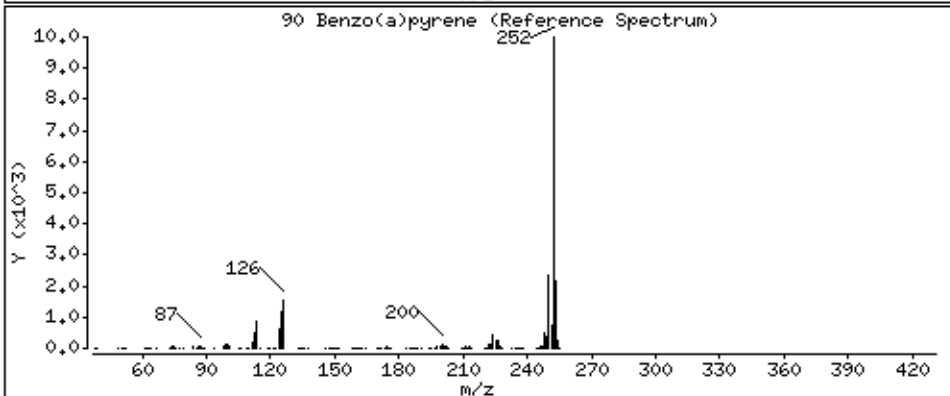
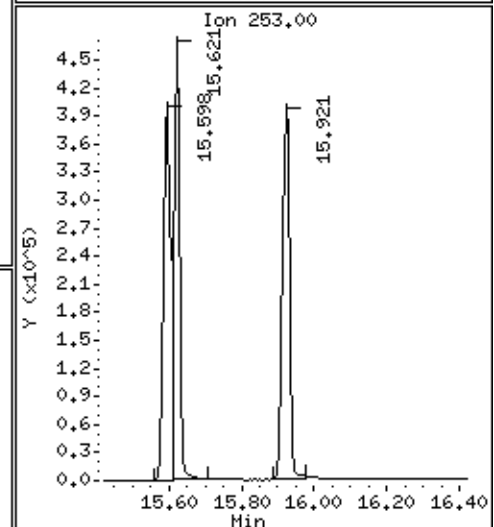
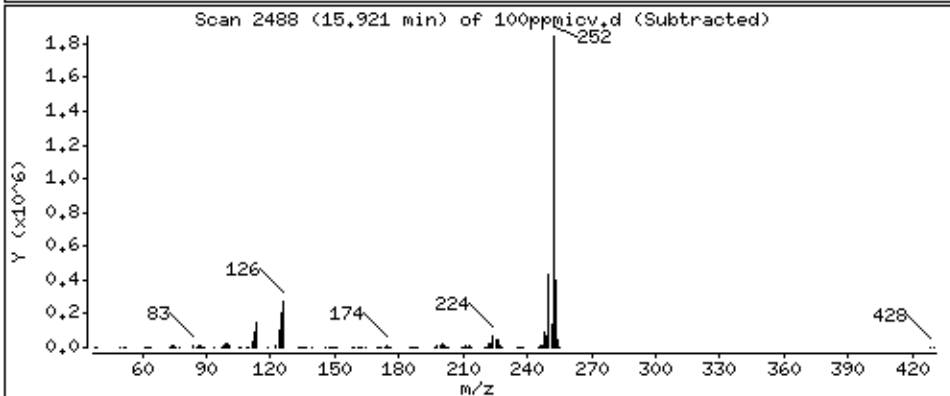
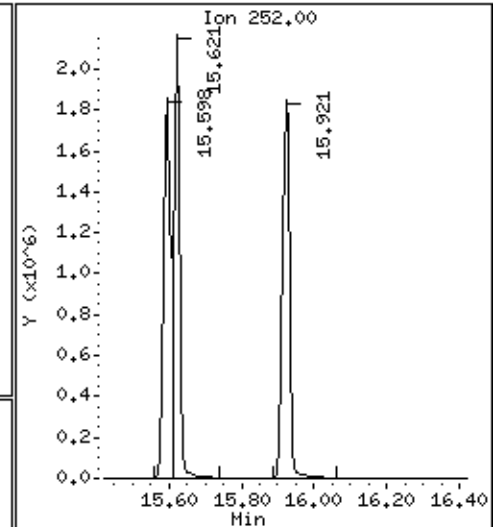
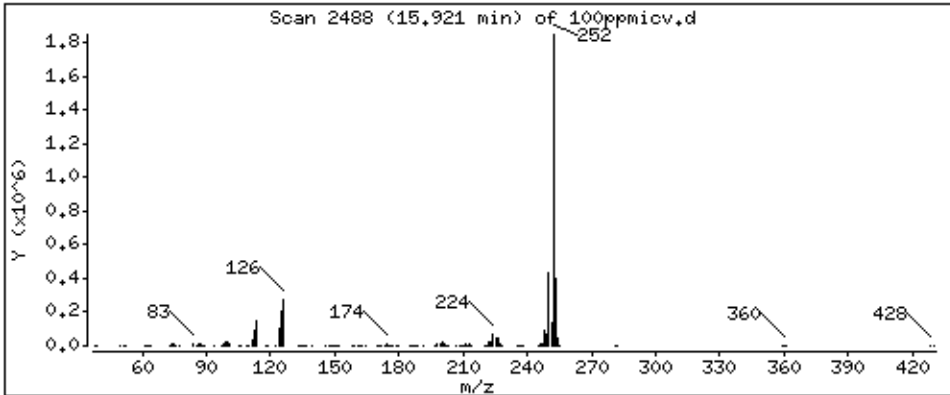
Operator: CEM

Column phase: .50um DB-5ms

Column diameter: 0,25

90 Benzo(a)pyrene

Concentration: 102.6 ug/L



Date : 10-JUN-2014 13:45

Client ID:

Instrument: 50MSS3.i

Sample Info: ICV,70293:1

Volume Injected (uL): 1.0

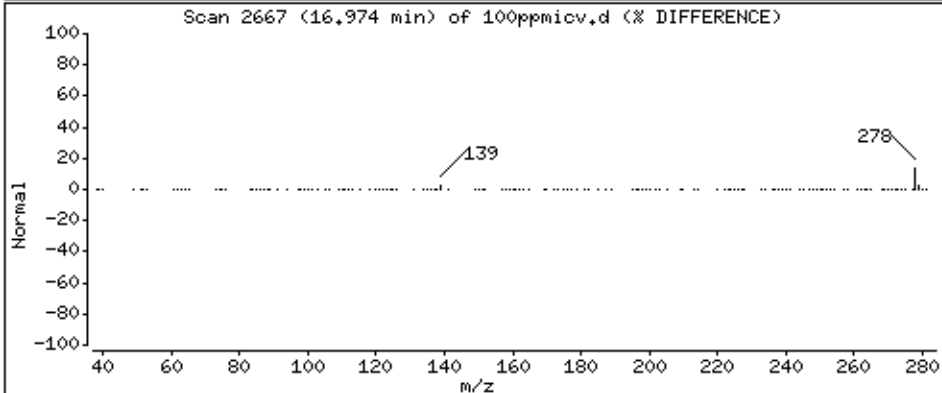
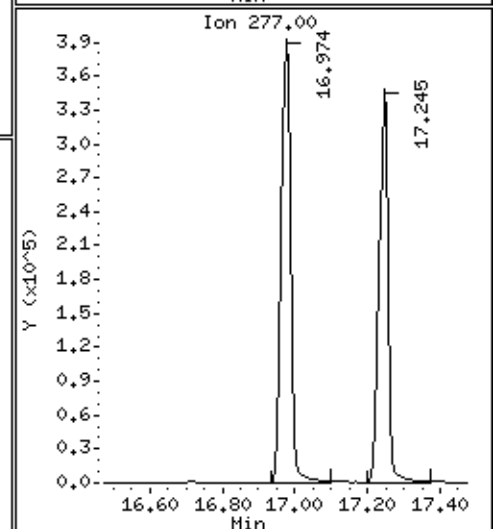
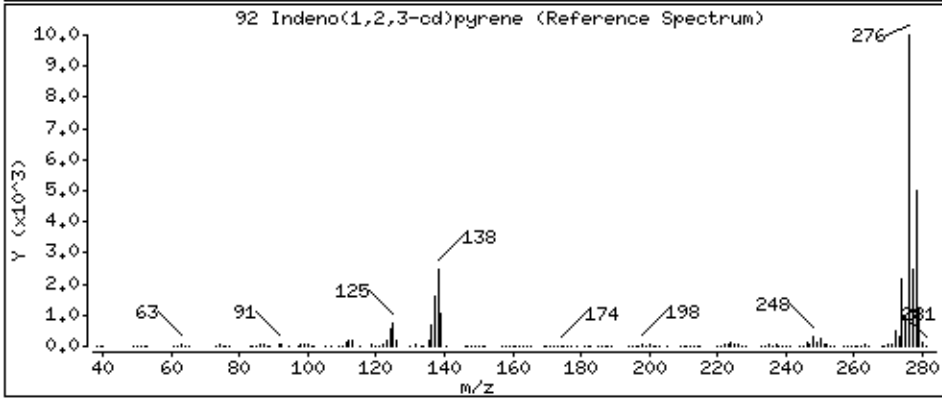
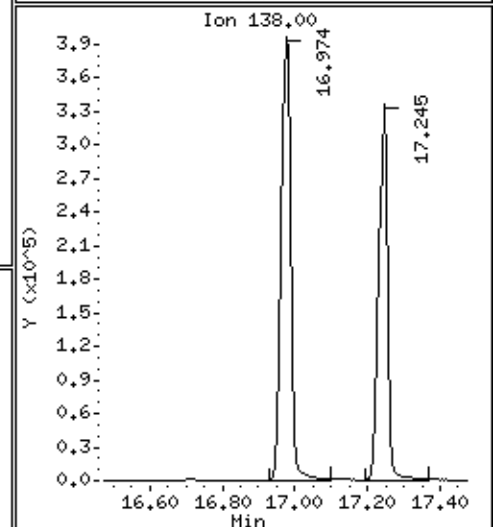
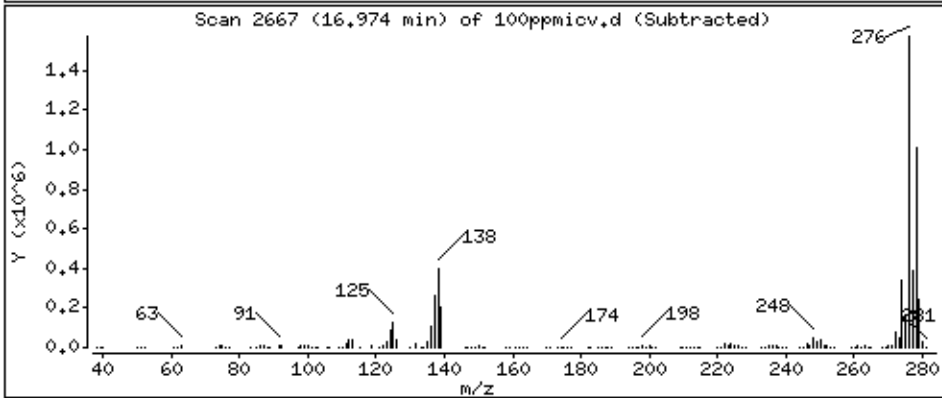
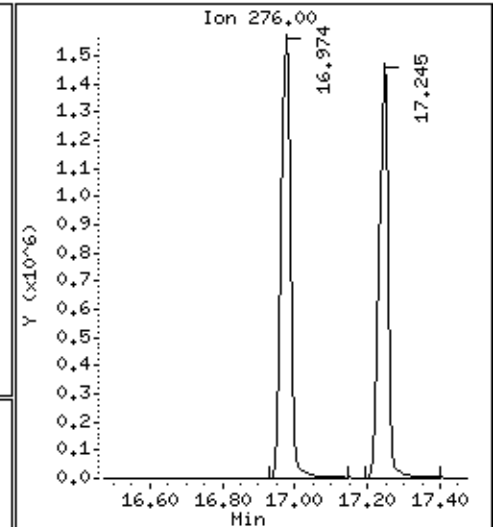
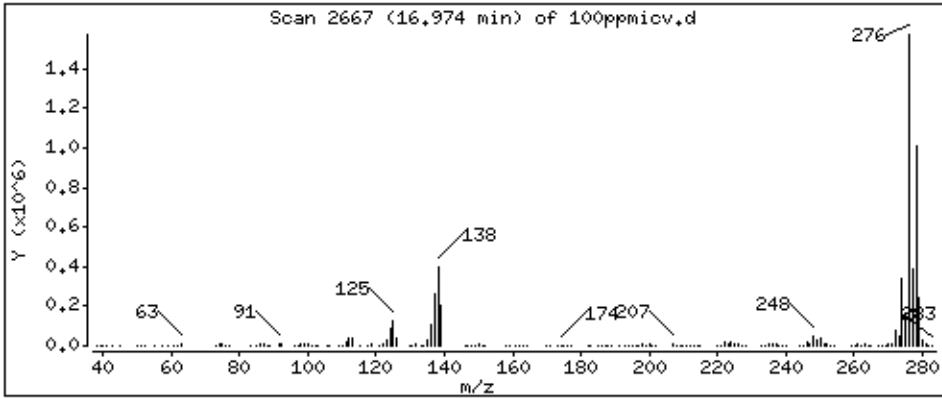
Operator: CEM

Column phase: .50um DB-5ms

Column diameter: 0,25

92 Indeno(1,2,3-cd)pyrene

Concentration: 97,48 ug/L



Date : 10-JUN-2014 13:45

Client ID:

Instrument: 50MSS3.i

Sample Info: ICV,70293:1

Volume Injected (uL): 1.0

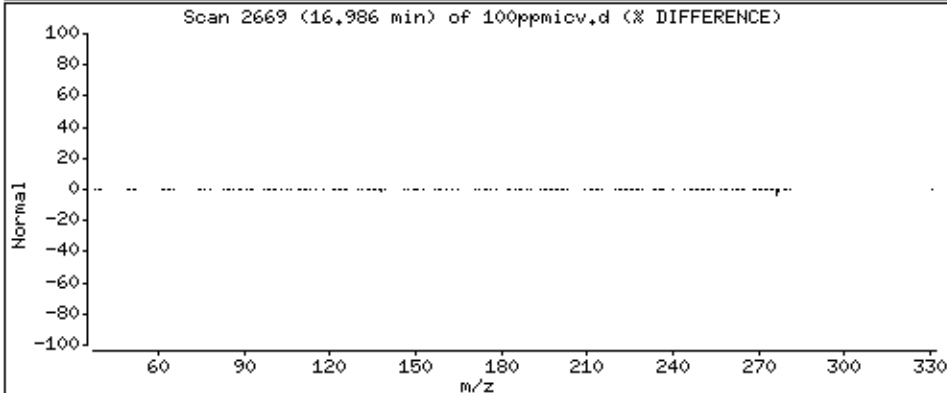
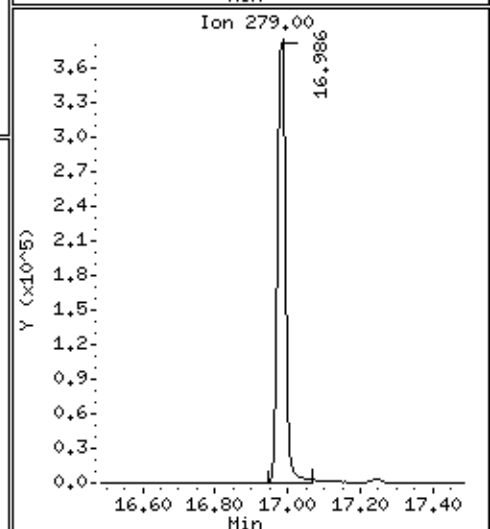
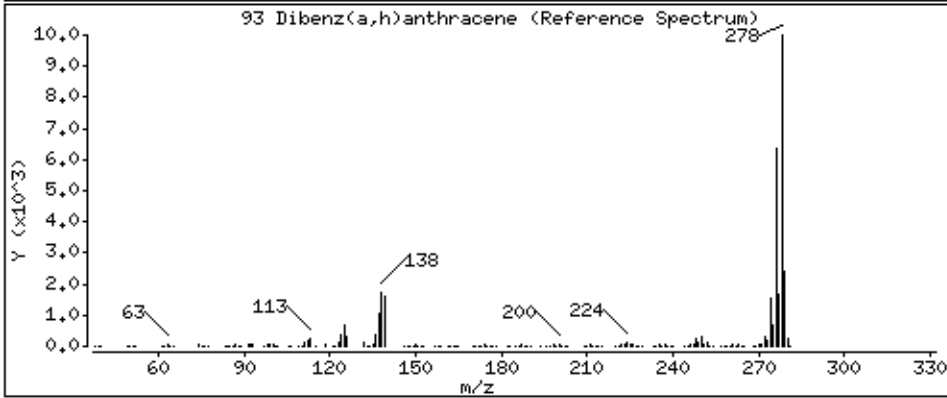
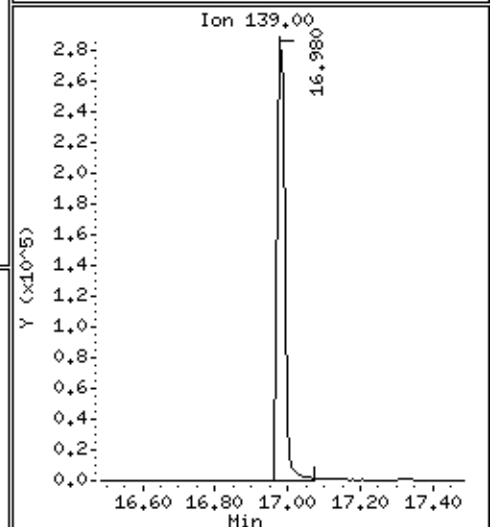
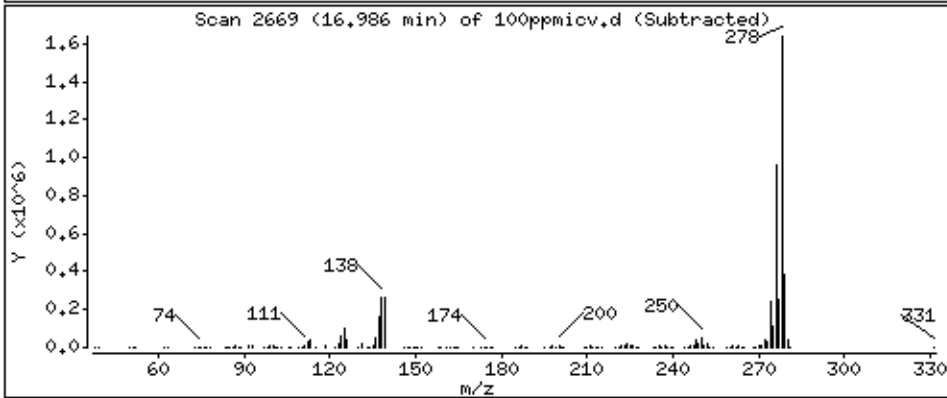
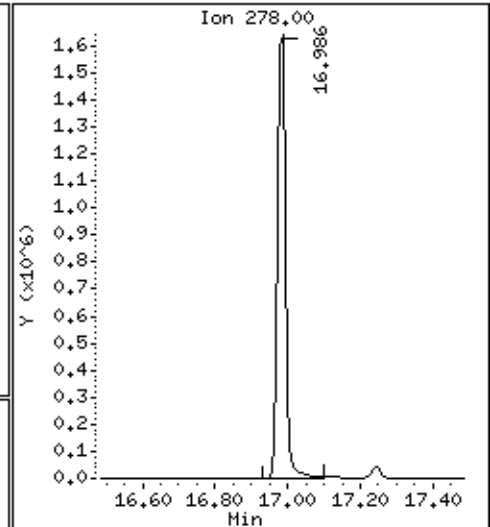
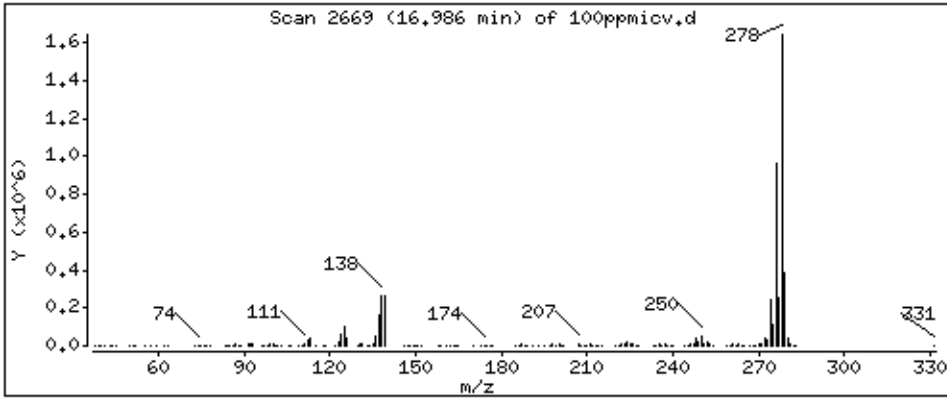
Operator: CEM

Column phase: .50um DB-5ms

Column diameter: 0,25

93 Dibenz(a,h)anthracene

Concentration: 101.3 ug/L



Date : 10-JUN-2014 13:45

Client ID:

Instrument: 50MSS3.i

Sample Info: ICV,70293:1

Volume Injected (uL): 1.0

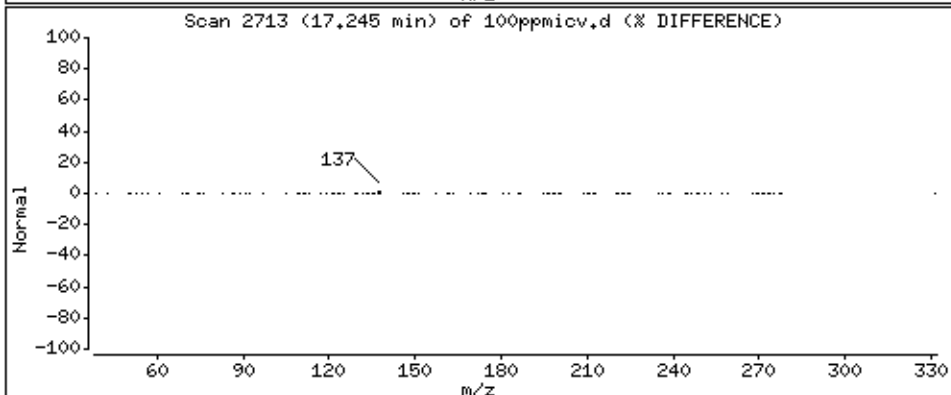
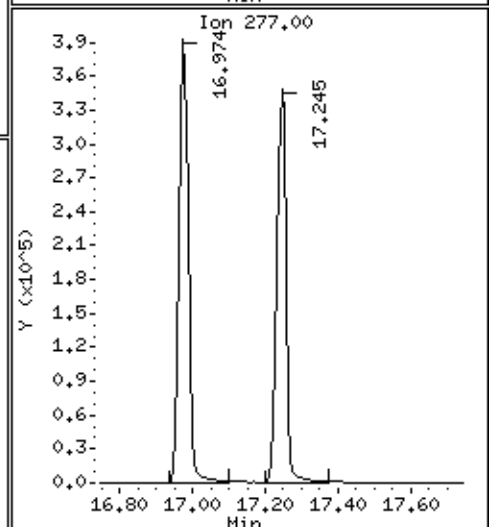
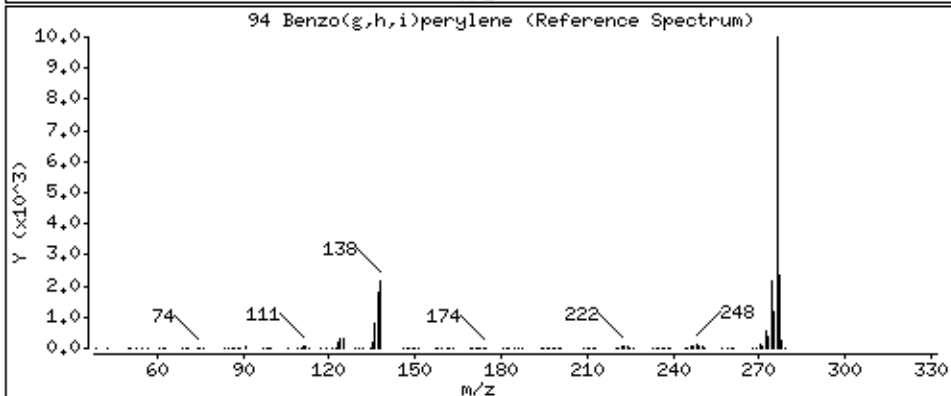
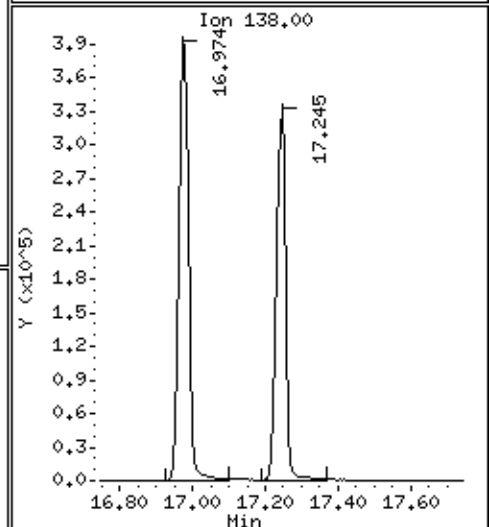
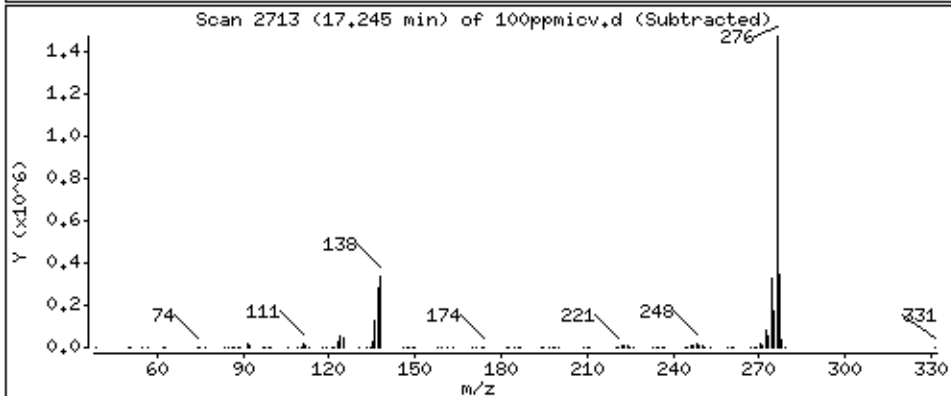
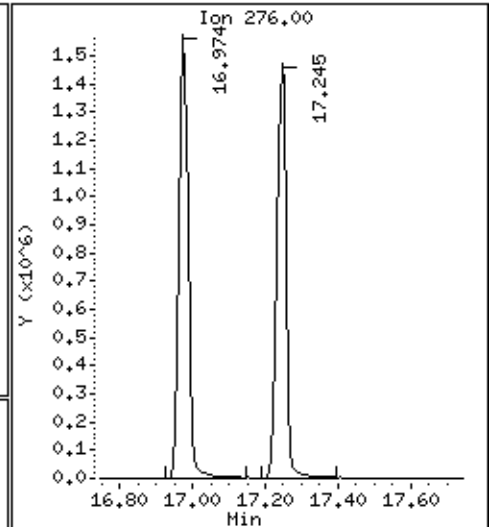
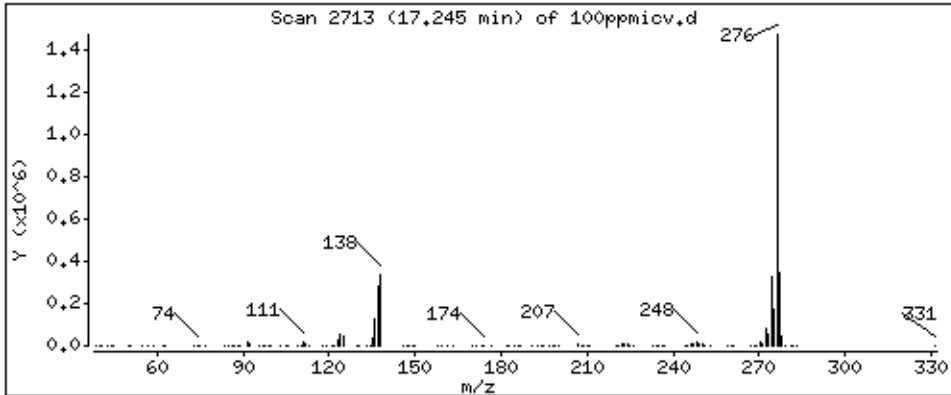
Operator: CEM

Column phase: .50um DB-5ms

Column diameter: 0,25

94 Benzo(g,h,i)perylene

Concentration: 101.9 ug/L



Pace Analytical Services, Inc.

Semivolatiles REPORT SW-846 Method 8270/EPA 625

Data file : \\192.168.50.6\chem\50MSS3.i\062714.b\100ppm-a.d
 Lab Smp Id: CCV,71288:1
 Inj Date : 27-JUN-2014 13:28
 Operator : CEM
 Smp Info : ccv,71288:1
 Misc Info : 15492
 Comment :
 Method : \\192.168.50.6\chem\50MSS3.i\062714.b\8270c.m
 Meth Date : 30-Jun-2014 13:19 50MSS3.i
 Cal Date : 10-JUN-2014 12:11
 Als bottle: 3
 Dil Factor: 1.00000
 Integrator: HP RTE
 Target Version: 4.14

Inst ID: 50MSS3.i
 Quant Type: ISTD
 Cal File: 100ppm.d
 Continuing Calibration Sample
 Compound Sublist: most.sub

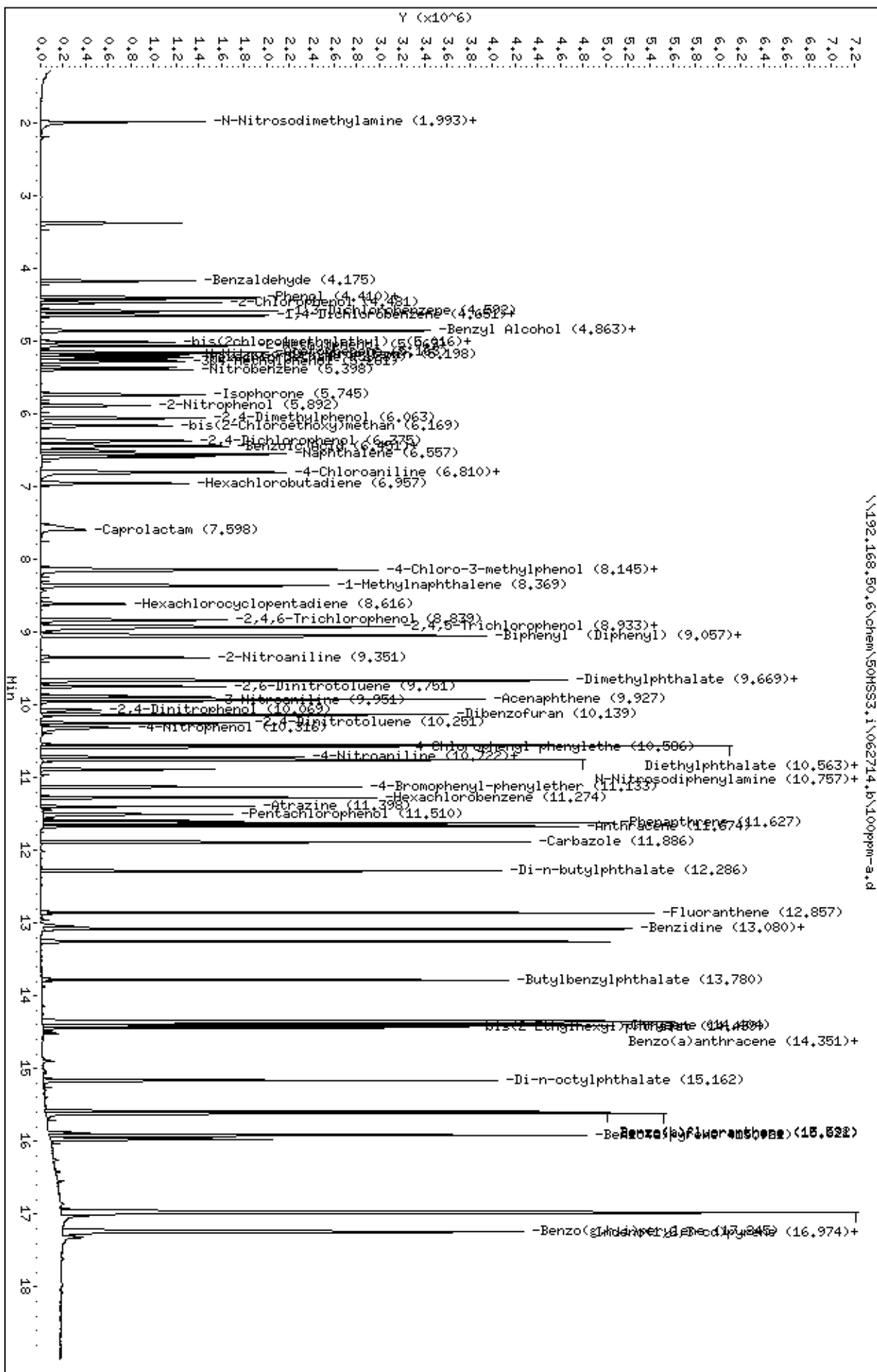
Concentration Formula: Amt * DF * Uf * Vt / (Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vt	1000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT	SIG	AMOUNTS				CAL-AMT (ug/ml)	ON-COL (ug/ml)
			MASS	RT	EXP RT	REL RT		
1 N-Nitrosodimethylamine	42		1.992	1.992	(0.430)	187248	100.000	102.8
2 Pyridine	79		1.992	1.992	(0.430)	487381	100.000	106.9
\$ 3 2-Fluorophenol (S)	112		3.386	3.380	(0.731)	439774	100.000	101.5
5 Benzaldehyde	77		4.174	4.174	(0.901)	294903	100.000	149.0
\$ 7 Phenol-d5 (S)	99		4.410	4.404	(0.952)	572297	100.000	106.2
8 Phenol	94		4.427	4.415	(0.956)	624786	100.000	108.8
6 bis(2-Chloroethyl)ether	93		4.404	4.404	(0.950)	453382	100.000	105.5
9 2-Chlorophenol	128		4.480	4.474	(0.967)	545889	100.000	105.3
10 1,3-Dichlorobenzene	146		4.592	4.592	(0.991)	594459	100.000	102.7
* 11 1,4-Dichlorobenzene-d4 (IS)	152		4.633	4.633	(1.000)	150905	40.0000	
12 1,4-Dichlorobenzene	146		4.657	4.657	(1.005)	592517	100.000	101.8
14 Benzyl Alcohol	108		4.863	4.863	(1.050)	337775	100.000	114.7
13 1,2-Dichlorobenzene	146		4.868	4.868	(1.051)	552684	100.000	102.6
18 2-Methylphenol	108		5.068	5.062	(1.094)	454487	100.000	107.0
15 bis(2chloromethylethyl) ether	45		5.015	5.015	(1.083)	572758	100.000	104.3
16 2,2'-Oxybis(1-chloropropane)	45		5.015	5.015	(1.083)	572758	100.000	104.3
17 bis(2-Chloroisopropyl)ether	45		5.015	5.015	(1.083)	572758	100.000	104.3
22 3&4-Methylphenol	108		5.280	5.268	(1.140)	512111	100.000	110.0
19 Acetophenone	105		5.163	5.162	(1.114)	720389	100.000	109.5
20 N-Nitroso-di-n-propylamine	70		5.198	5.198	(1.122)	347994	100.000	113.0
21 Hexachloroethane	117		5.239	5.239	(1.131)	189476	100.000	101.1

Compounds	QUANT	SIG	MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS	
								CAL-AMT	ON-COL
								(ug/ml)	(ug/ml)
23 Nitrobenzene-d5 (S)	82		5.368	5.368	(0.824)	484132	100.000	103.7	
24 Nitrobenzene	77		5.398	5.398	(0.828)	485914	100.000	103.4	
25 Isophorone	82		5.745	5.745	(0.882)	970609	100.000	108.2	
26 2-Nitrophenol	139		5.892	5.892	(0.904)	321338	100.000	105.0	
27 2,4-Dimethylphenol	122		6.062	6.057	(0.930)	424938	100.000	92.43	
31 Benzoic Acid	122		6.415	6.415	(0.985)	214850	100.000	81.76	
28 bis(2-Chloroethoxy)methane	93		6.168	6.168	(0.947)	578010	100.000	104.3	
29 2,4-Dichlorophenol	162		6.374	6.368	(0.978)	507068	100.000	107.2	
30 1,2,4-Trichlorobenzene	180		6.451	6.451	(0.990)	517879	100.000	100.8	
* 32 Naphthalene-d8 (IS)	136		6.515	6.515	(1.000)	639635	40.0000		
33 Naphthalene	128		6.557	6.557	(1.006)	1677324	100.000	103.6	
35 4-Chloroaniline	127		6.809	6.804	(1.045)	659731	100.000	109.8	
34 2,6-Dichlorophenol	162		6.809	6.804	(1.045)	484014	100.000	106.0	
36 Hexachlorobutadiene	225		6.957	6.956	(1.068)	304664	100.000	99.51	
37 Caprolactam	113		7.598	7.592	(1.166)	194024	100.000	122.9	
39 4-Chloro-3-methylphenol	107		8.156	8.139	(1.252)	482671	100.000	113.1	
38 2-Methylnaphthalene	142		8.145	8.145	(1.250)	1617850	100.000	107.0	
40 1-Methylnaphthalene	142		8.368	8.362	(1.284)	1181369	100.000	106.6	
42 Hexachlorocyclopentadiene	237		8.615	8.609	(0.871)	178645	100.000	58.86	
43 2,4,6-Trichlorophenol	196		8.839	8.833	(0.894)	404485	100.000	102.9	
45 2,4,5-Trichlorophenol	196		8.945	8.933	(0.905)	412116	100.000	101.7	
\$ 44 2-Fluorobiphenyl (S)	172		8.927	8.927	(0.903)	1315929	100.000	99.25	
47 Biphenyl (Diphenyl)	154		9.056	9.056	(0.916)	1507300	100.000	100.4	
46 2-Chloronaphthalene	162		9.045	9.045	(0.915)	1119138	100.000	100.4	
49 2-Nitroaniline	65		9.351	9.350	(0.946)	282392	100.000	110.1	
50 Dimethylphthalate	163		9.662	9.662	(0.977)	1316536	100.000	105.2	
51 Acenaphthylene	152		9.674	9.674	(0.979)	1921792	100.000	104.5	
52 2,6-Dinitrotoluene	165		9.756	9.750	(0.987)	315882	100.000	111.1	
55 3-Nitroaniline	138		9.956	9.950	(1.007)	343316	100.000	115.2	
* 53 Acenaphthene-d10 (IS)	164		9.886	9.886	(1.000)	408867	40.0000		
54 Acenaphthene	153		9.927	9.927	(1.004)	1197339	100.000	101.9	
56 2,4-Dinitrophenol	184		10.068	10.068	(1.018)	167225	100.000	82.53	
59 4-Nitrophenol	109		10.321	10.303	(1.044)	154571	100.000	112.3	
57 Dibenzofuran	168		10.139	10.139	(1.026)	1710123	100.000	102.8	
58 2,4-Dinitrotoluene	165		10.250	10.250	(1.037)	438001	100.000	112.1	
60 Diethylphthalate	149		10.556	10.556	(1.068)	1238276	100.000	104.0	
61 Fluorene	166		10.562	10.562	(1.068)	1335910	100.000	102.7	
62 4-Chlorophenyl-phenylether	204		10.586	10.586	(1.071)	692629	100.000	103.2	
64 4-Nitroaniline	138		10.721	10.715	(1.084)	354234	100.000	112.9	
63 4,6-Dinitro-2-methylphenol	198		10.727	10.727	(0.925)	265858	100.000	95.98	
65 N-Nitrosodiphenylamine	169		10.756	10.756	(0.927)	1012011	100.000	101.8	
66 1,2-Diphenylhydrazine	77		10.762	10.762	(0.928)	1152723	100.000	100.6	
\$ 67 2,4,6-Tribromophenol (S)	330		10.892	10.886	(0.939)	254301	100.000	106.1	
68 4-Bromophenyl-phenylether	248		11.133	11.133	(0.960)	447446	100.000	100.8	
69 Hexachlorobenzene	284		11.274	11.280	(0.972)	491284	100.000	101.9	
70 Atrazine	200		11.397	11.397	(0.983)	248305	100.000	68.37	
71 Pentachlorophenol	266		11.509	11.503	(0.992)	302868	100.000	102.8	
* 72 Phenanthrene-d10 (IS)	188		11.597	11.597	(1.000)	762482	40.0000		
73 Phenanthrene	178		11.627	11.627	(1.003)	2131267	100.000	101.6	
74 Anthracene	178		11.674	11.674	(1.007)	2164861	100.000	102.8	
75 Carbazole	167		11.886	11.886	(1.025)	2057589	100.000	106.0	
76 Di-n-butylphthalate	149		12.286	12.286	(1.059)	2275243	100.000	105.6	
77 Fluoranthene	202		12.856	12.856	(1.109)	2468377	100.000	106.4	
78 Benzidine	184		13.033	13.033	(1.124)	169725	100.000	34.70	

Compounds	QUANT SIG	MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS	
							CAL-AMT (ug/ml)	ON-COL (ug/ml)
79 Pyrene		202	13.086	13.080	(1.128)	2539176	100.000	105.5
\$ 80 p-Terphenyl-d14 (S)		244	13.256	13.256	(1.143)	1682382	100.000	105.9
81 Butylbenzylphthalate		149	13.780	13.780	(0.959)	1063298	100.000	105.9
82 Benzo(a)anthracene		228	14.350	14.350	(0.999)	2629960	100.000	104.0
83 3,3'-Dichlorobenzidine		252	14.362	14.362	(1.000)	792935	100.000	106.0
* 84 Chrysene-d12 (IS)		240	14.368	14.368	(1.000)	943429	40.0000	
85 Chrysene		228	14.403	14.403	(1.002)	2480093	100.000	102.8
86 bis(2-Ethylhexyl)phthalate		149	14.438	14.438	(1.005)	1502592	100.000	105.2
87 Di-n-octylphthalate		149	15.162	15.162	(0.949)	2615885	100.000	105.2
88 Benzo(b)fluoranthene		252	15.591	15.591	(0.976)	2721837	100.000	99.99
89 Benzo(k)fluoranthene		252	15.621	15.621	(0.978)	3084142	100.000	103.8
90 Benzo(a)pyrene		252	15.921	15.921	(0.997)	2554364	100.000	102.0
* 91 Perylene-d12 (IS)		264	15.974	15.974	(1.000)	905108	40.0000	
92 Indeno(1,2,3-cd)pyrene		276	16.974	16.973	(1.063)	3178771	100.000	102.7
93 Dibenz(a,h)anthracene		278	16.979	16.979	(1.063)	2594946	100.000	102.7
94 Benzo(g,h,i)perylene		276	17.244	17.244	(1.080)	2784423	100.000	103.9



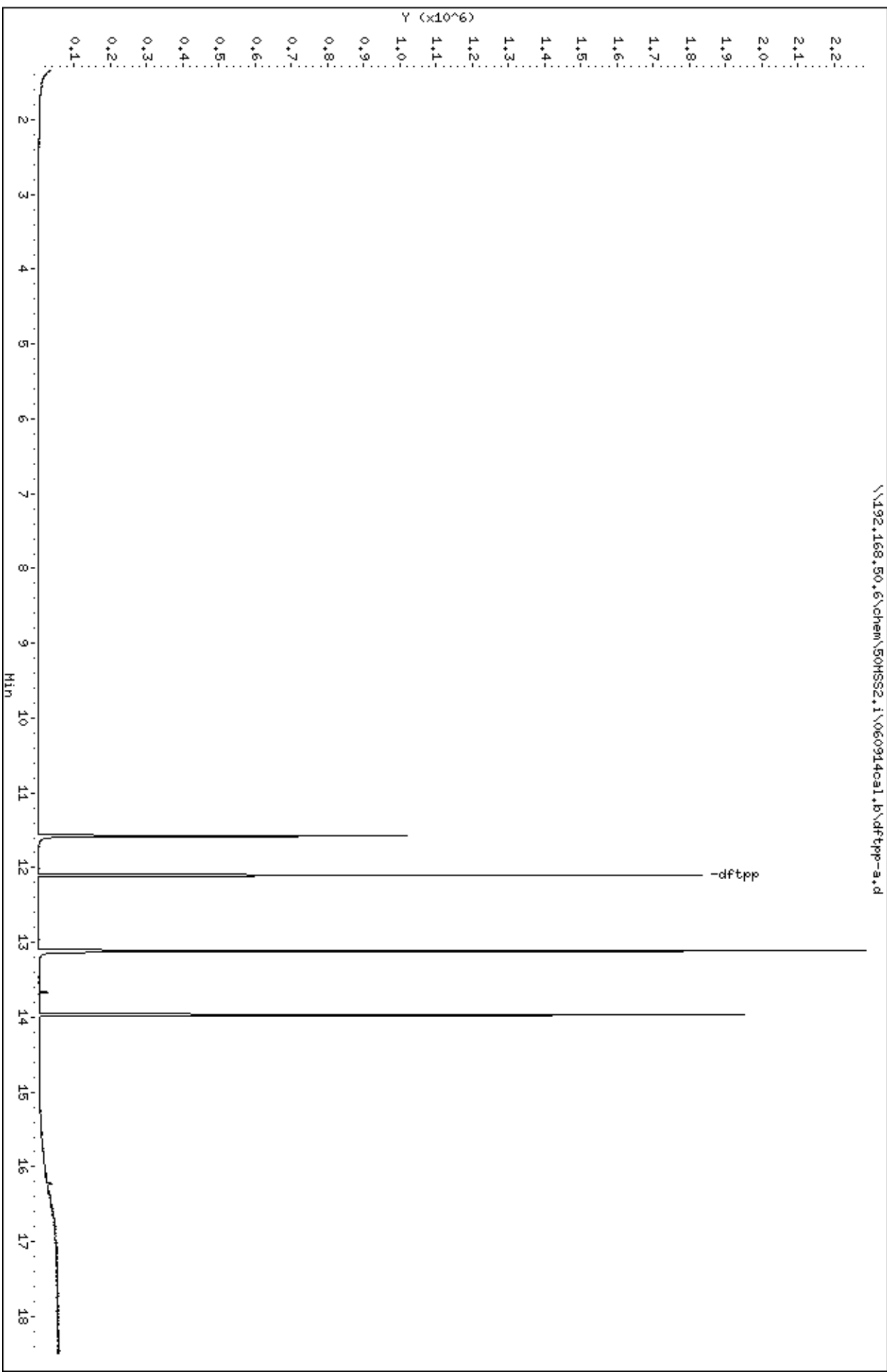
Instrument: 50HSS2.i

Operator: CEH

Column diameter: 2.00

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Column phase:



Date : 09-JUN-2014 12:56

Client ID: DFTPP

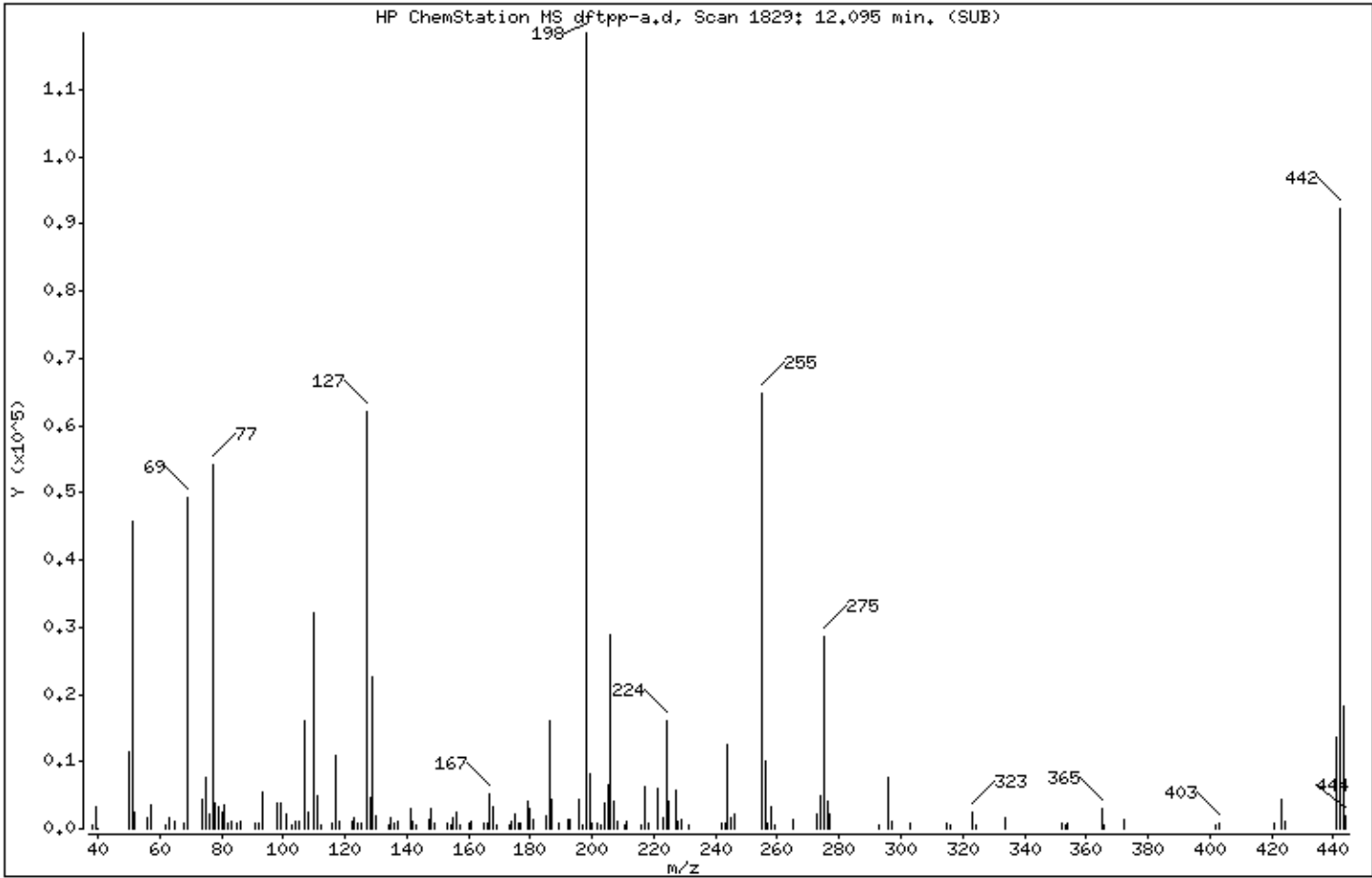
Instrument: 50MSS2.i

Sample Info: TUNE,70508;1

Operator: CEM

Column phase: 1 dftpp

Column diameter: 2,00



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
198	Base Peak, 100% relative abundance	100,00
51	30,00 - 60,00% of mass 198	38,56
68	Less than 2,00% of mass 69	0,67 (1,61)
69	Mass 69 relative abundance	41,57
70	Less than 2,00% of mass 69	0,00 (0,00)
127	40,00 - 60,00% of mass 198	52,43
197	Less than 1,00% of mass 198	0,47
199	5,00 - 9,00% of mass 198	6,98
275	10,00 - 30,00% of mass 198	24,11
365	Greater than 1,00% of mass 198	2,59
441	Present, but less than mass 443	11,50
442	Greater than 40,00% of mass 198	77,85
443	17,00 - 23,00% of mass 442	15,49 (19,90)

Date : 09-JUN-2014 12:56

Client ID: DFTPP

Instrument: 50MSS2.i

Sample Info: TUNE,70508:1

Operator: CEM

Column phase:

Column diameter: 2,00

Data File: dftpp-a.d

Spectrum: HP ChemStation MS dftpp-a.d, Scan 1829: 12.095 min. (SUB)

Location of Maximum: 198,00

Number of points: 151

m/z	Y	m/z	Y	m/z	Y	m/z	Y
38,00	509	112,00	558	177,00	925	245,10	1645
39,10	3310	116,00	882	179,00	4062	246,00	2266
40,00	60	117,00	10860	180,00	3042	255,00	64920
50,00	11478	118,00	1029	181,00	1339	256,00	9938
51,10	45664	122,00	1021	185,00	1820	257,00	753
52,00	2451	123,00	1523	186,00	16087	258,00	3194
56,00	1625	124,00	832	187,00	4373	259,00	542
57,00	3628	125,00	829	189,00	750	265,00	1328
62,00	574	127,00	62080	191,90	1326	273,00	2052
63,00	1688	128,00	4623	193,00	1468	274,00	4862
65,00	979	129,00	22680	196,00	4234	275,00	28544
68,00	792	130,00	1917	196,70	557	276,00	4175
69,00	49224	134,00	576	198,00	118408	277,00	2214
74,00	4388	135,00	1627	199,00	8259	293,00	580
75,00	7546	136,00	698	200,00	703	296,00	7757
76,00	2177	137,00	988	201,60	685	297,00	1111
77,10	54240	141,00	2898	203,00	665	303,00	818
78,00	3760	142,00	968	204,00	3933	315,00	789
79,00	3163	143,00	631	205,00	6543	316,00	534
80,00	2370	147,00	1495	206,00	28976	323,00	2412
81,00	3607	148,00	2887	207,00	4109	324,10	581
82,00	883	148,90	740	208,00	1084	334,00	1686
83,00	1120	153,00	860	210,30	566	352,00	820
85,00	719	154,00	554	211,00	1093	353,10	576
86,00	996	155,00	1620	215,90	570	354,00	801
91,00	926	156,00	2584	217,00	6292	365,00	3063
92,00	863	157,00	639	218,00	836	366,00	571
93,00	5434	160,00	810	221,00	5862	372,00	1325
98,00	3868	161,00	1137	223,00	1607	402,00	526
99,00	3742	165,00	901	224,00	16028	403,00	884
101,00	2310	166,00	879	225,00	4011	421,00	737
103,00	586	167,00	5212	227,00	5706	423,10	4407
104,00	1204	168,00	3228	228,00	1025	424,10	1024
105,00	1150	169,00	557	229,00	1236	441,10	13619
107,00	15941	173,00	631	231,00	655	442,10	92176

Date : 09-JUN-2014 12:56

Client ID: DFTPP

Instrument: 50MSS2.i

Sample Info: TUNE,70508;1

Operator: CEM

Column phase:

Column diameter: 2.00

Data File: dftpp-a.d

Spectrum: HP ChemStation MS dftpp-a.d, Scan 1829: 12.095 min. (SUB)

Location of Maximum: 198.00

Number of points: 151

m/z	Y	m/z	Y	m/z	Y	m/z	Y
108.00	2474	174.00	1119	242.00	835	443.10	18344
110.00	32216	175.00	2148	243.00	885	444.10	1864
111.00	4776	176.00	789	244.00	12501		

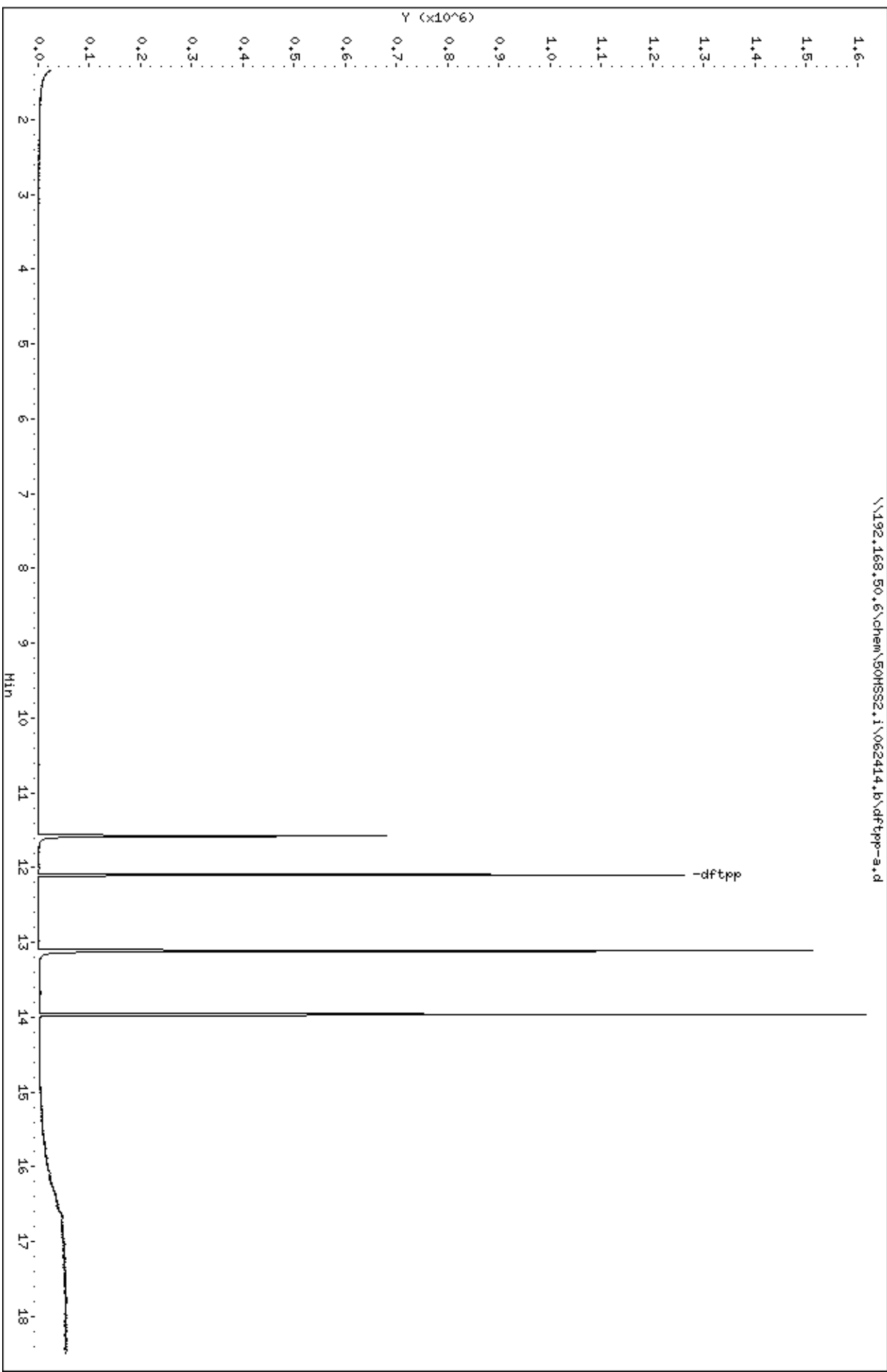
Instrument: 50HSS2.1

Operator: SN

Column diameter: 2.00

Column phase:

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Date : 24-JUN-2014 14:36

Client ID: DFTPP

Instrument: 50MSS2.i

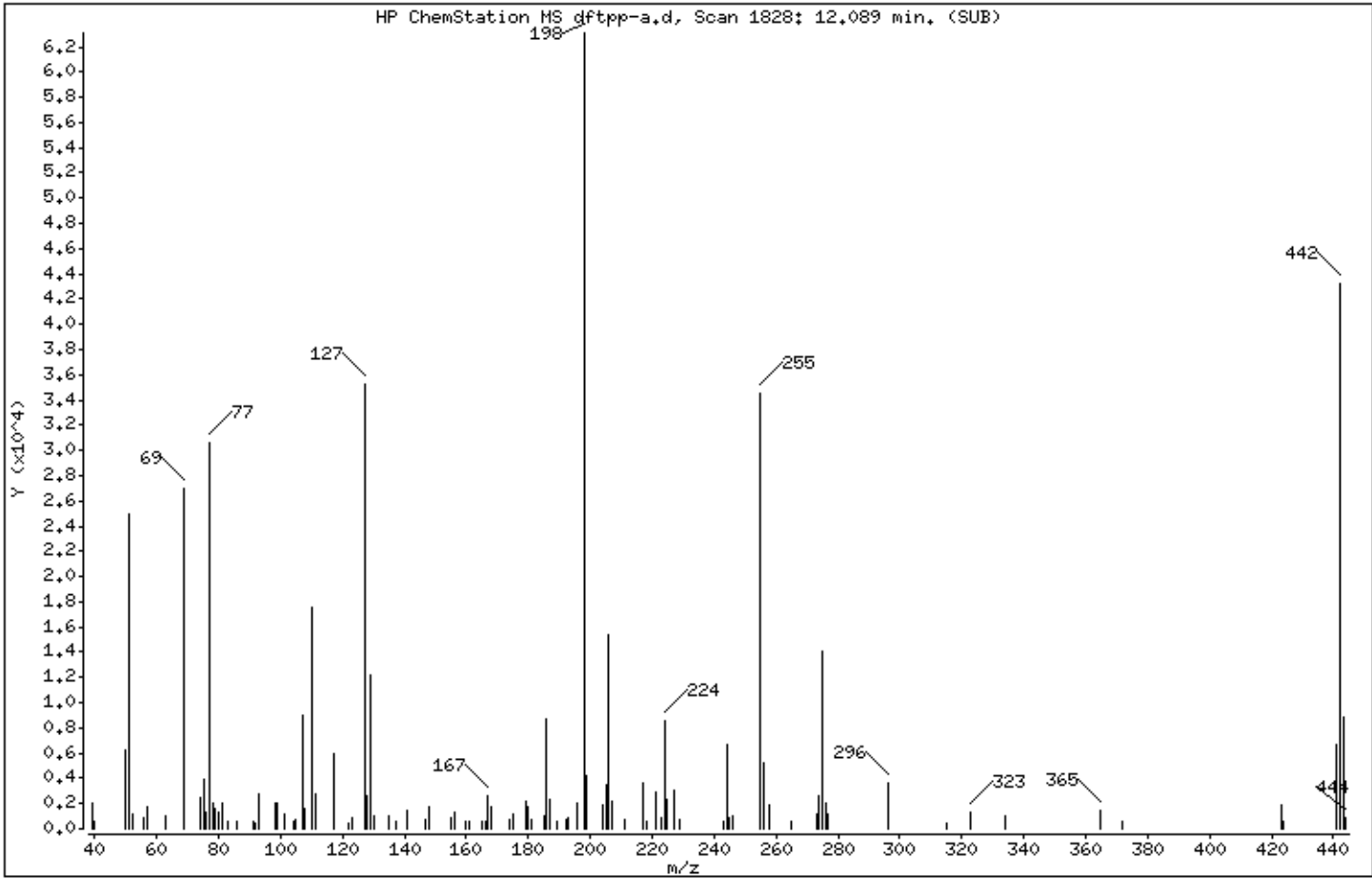
Sample Info: TUNE,71356;1

Operator: SN

Column phase:

Column diameter: 2,00

1 dftpp



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
198	Base Peak, 100% relative abundance	100,00
51	30,00 - 60,00% of mass 198	39,44
68	Less than 2,00% of mass 69	0,00 (0,00)
69	Mass 69 relative abundance	42,81
70	Less than 2,00% of mass 69	0,00 (0,00)
127	40,00 - 60,00% of mass 198	55,81
197	Less than 1,00% of mass 198	0,00
199	5,00 - 9,00% of mass 198	6,63
275	10,00 - 30,00% of mass 198	22,23
365	Greater than 1,00% of mass 198	2,22
441	Present, but less than mass 443	10,52
442	Greater than 40,00% of mass 198	68,44
443	17,00 - 23,00% of mass 442	14,09 (20,59)

Date : 24-JUN-2014 14:36

Client ID: DFTPP

Instrument: 50MSS2.i

Sample Info: TUNE,71356;1

Operator: SN

Column phase:

Column diameter: 2,00

Data File: dftpp-a.d

Spectrum: HP ChemStation MS dftpp-a.d, Scan 1828: 12.089 min. (SUB)

Location of Maximum: 198,00

Number of points: 103

m/z	Y	m/z	Y	m/z	Y	m/z	Y
39,00	1958	105,00	681	175,00	1168	243,00	587
39,90	508	107,00	9031	179,00	2213	244,00	6729
50,00	6265	108,00	1565	180,00	1716	245,00	939
51,10	24880	110,00	17520	181,00	791	246,00	1066
52,00	1224	111,00	2762	185,00	974	255,00	34456
55,90	798	117,00	5963	186,00	8649	256,00	5185
57,00	1710	121,90	507	187,00	2328	258,00	1871
63,00	981	123,00	822	189,00	526	265,00	648
69,00	27008	127,00	35208	192,00	741	273,00	1110
74,00	2449	128,00	2616	193,00	896	274,00	2547
75,00	3956	129,00	12196	196,00	2037	275,00	14025
76,10	1350	130,00	1022	198,00	63088	276,00	2001
77,10	30672	135,00	1056	199,00	4183	277,00	1199
78,10	2089	137,00	589	204,00	1838	296,00	3646
79,00	1667	141,00	1416	205,00	3518	314,90	501
80,00	1358	147,00	744	206,00	15387	323,00	1375
81,00	1991	148,00	1775	207,10	2174	334,00	987
83,00	559	155,00	822	211,10	679	365,00	1401
86,00	631	156,00	1299	217,00	3629	372,10	603
90,90	552	159,90	606	218,00	611	423,00	1830
92,00	504	161,00	613	221,10	2881	424,10	532
93,00	2757	164,90	527	223,00	850	441,10	6638
98,00	1976	166,00	538	224,00	8490	442,10	43176
99,00	2075	167,00	2662	225,00	2255	443,10	8890
101,00	1173	168,00	1790	227,00	3039	444,10	934
104,00	631	174,00	688	228,90	674		

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Date: 10-JUN-2014 10:13

Client ID: DFTPP

Sample Info: TUNE,70508;1

Page 1

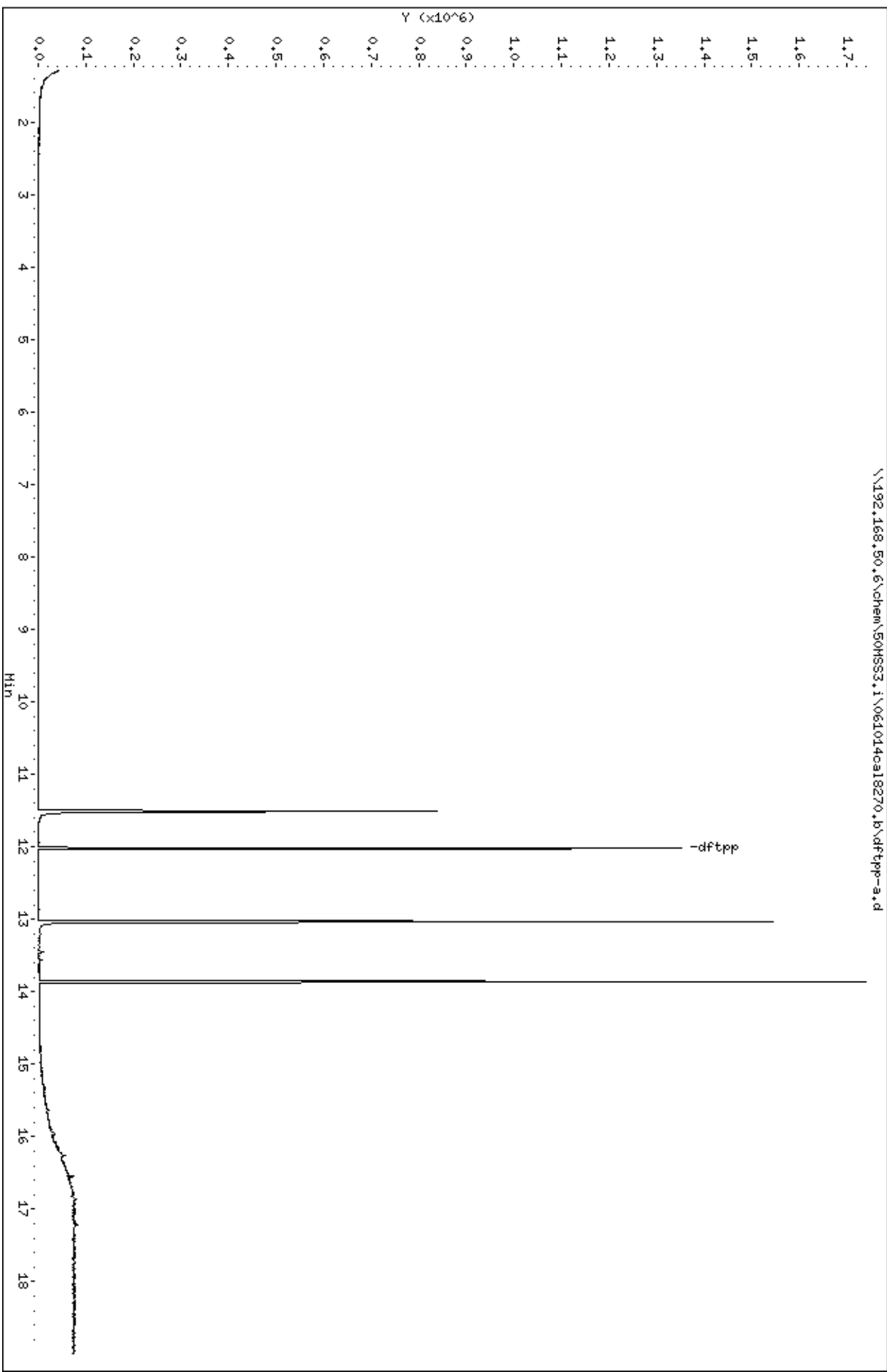
Instrument: 50HSS3.1

Operator: SN

Column diameter: 2.00

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Column phase:



Date : 10-JUN-2014 10:13

Client ID: DFTPP

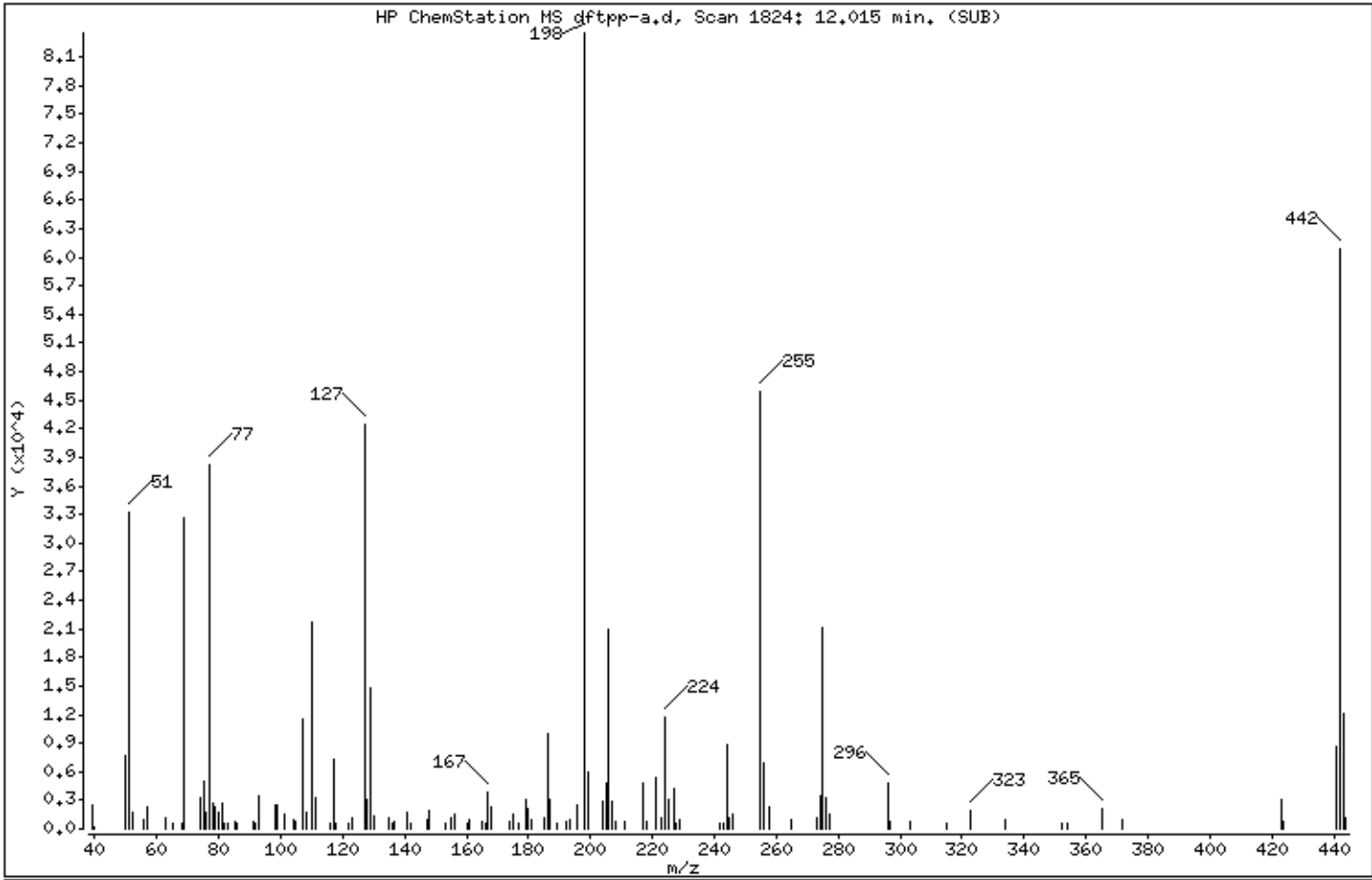
Instrument: 50MSS3.i

Sample Info: TUNE,70508:1

Operator: SN

Column phase: 1 dftpp

Column diameter: 2,00



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
198	Base Peak, 100% relative abundance	100,00
51	30,00 - 60,00% of mass 198	39,68
68	Less than 2,00% of mass 69	0,74 (1,91)
69	Mass 69 relative abundance	39,00
70	Less than 2,00% of mass 69	0,00 (0,00)
127	40,00 - 60,00% of mass 198	50,82
197	Less than 1,00% of mass 198	0,00
199	5,00 - 9,00% of mass 198	7,17
275	10,00 - 30,00% of mass 198	25,18
365	Greater than 1,00% of mass 198	2,48
441	Present, but less than mass 443	10,31
442	Greater than 40,00% of mass 198	72,80
443	17,00 - 23,00% of mass 442	14,54 (19,97)

Date : 10-JUN-2014 10:13

Client ID: DFTPP

Instrument: 50MSS3.i

Sample Info: TUNE,70508;1

Operator: SN

Column phase:

Column diameter: 2.00

Data File: dftpp-a.d

Spectrum: HP ChemStation MS dftpp-a.d, Scan 1824: 12.015 min. (SUB)

Location of Maximum: 198.00

Number of points: 120

m/z	Y	m/z	Y	m/z	Y	m/z	Y
39.00	2492	107.00	11468	177.00	616	245.00	1145
39.90	103	108.00	1773	179.00	3017	246.00	1570
50.10	7773	110.00	21688	180.00	2019	255.00	45864
51.10	33144	111.00	3195	181.00	1027	256.00	6853
52.00	1726	116.00	593	185.00	1208	258.00	2281
56.00	865	117.00	7389	186.10	9954	265.00	918
57.00	2397	117.90	553	187.00	3033	273.00	1219
63.00	1223	122.00	627	189.00	574	274.00	3550
65.00	627	123.00	1190	192.00	850	275.00	21032
68.10	622	127.00	42448	193.10	887	276.00	3221
69.00	32576	128.00	3047	196.00	2574	277.00	1526
74.00	3276	129.00	14769	198.00	83520	296.00	4758
75.00	5059	130.00	1266	199.00	5985	296.90	808
76.00	1770	135.00	1215	204.00	2825	303.00	691
77.10	38288	135.90	536	205.00	4808	315.00	635
78.00	2777	136.90	688	206.00	20888	323.00	1939
79.00	2279	140.90	1744	207.00	2866	334.00	1023
80.00	1757	142.00	656	207.90	746	352.10	548
81.00	2619	147.00	1009	211.10	703	354.00	590
82.00	661	148.00	1911	217.00	4716	365.00	2073
82.90	646	152.90	511	217.90	683	372.00	1019
85.00	692	155.00	1088	221.00	5296	423.10	3005
86.00	667	156.00	1611	223.00	1148	424.00	750
91.00	684	160.00	618	224.00	11635	441.00	8609
92.00	616	161.00	872	225.00	3097	442.10	60800
93.00	3485	165.00	737	227.00	4257	443.10	12144
98.00	2591	166.00	568	227.90	556	444.00	1080
99.00	2553	167.00	3918	229.00	868		
101.00	1500	168.00	2272	242.00	560		
103.90	888	174.00	718	243.00	672		
105.00	786	175.00	1457	244.00	8805		

Data File: \\192.168.50.6\chem\50HSS3.1\062714.b\dfcpp-a.d

Date : 27-JUN-2014 13:04

Client ID: DFTPP

Sample Info: TUNE,70900:1

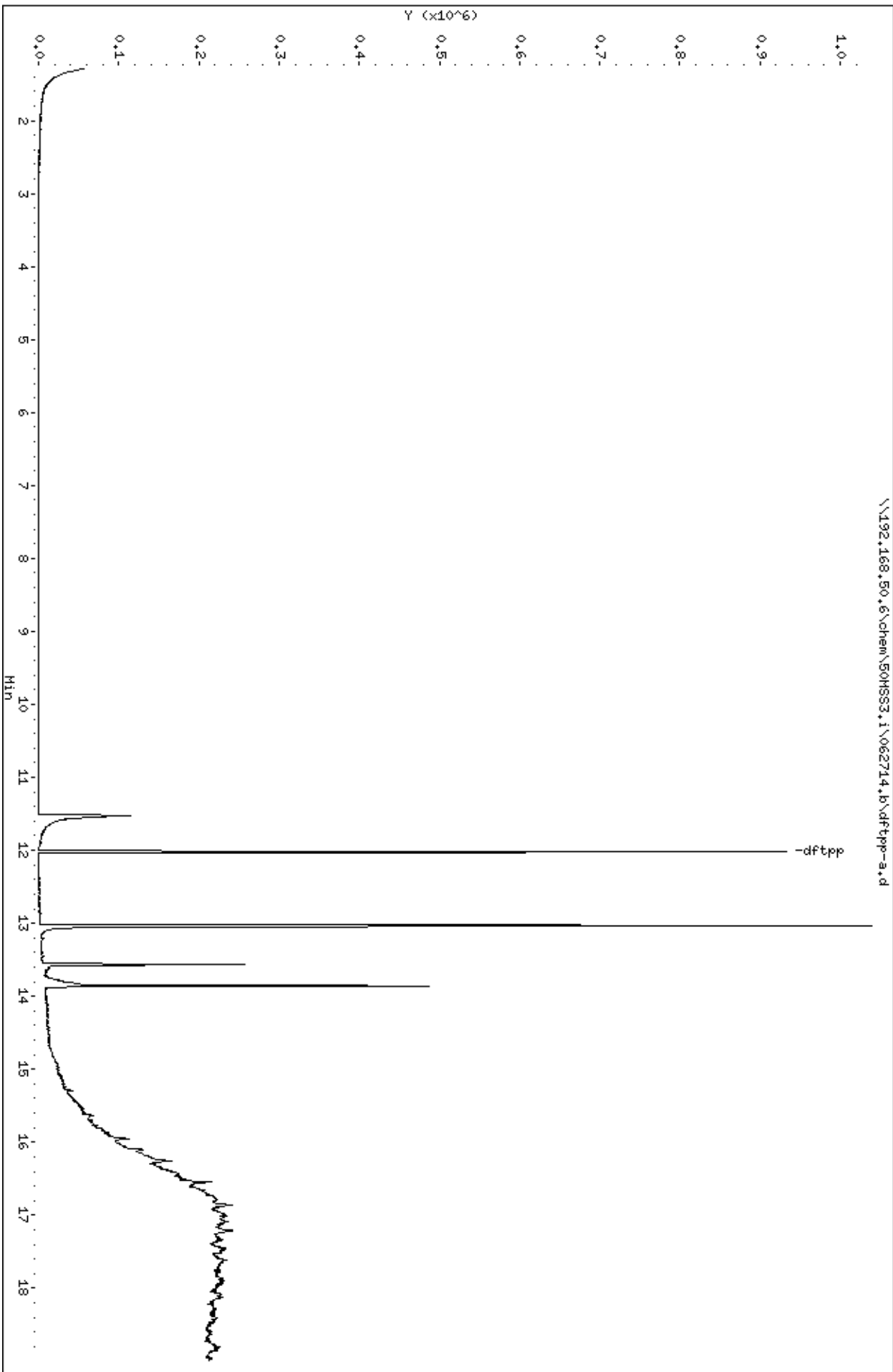
Instrument: 50HSS3.1

Operator: CEM

Column diameter: 2.00

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Column phases:



Date : 27-JUN-2014 13:04

Client ID: DFTPP

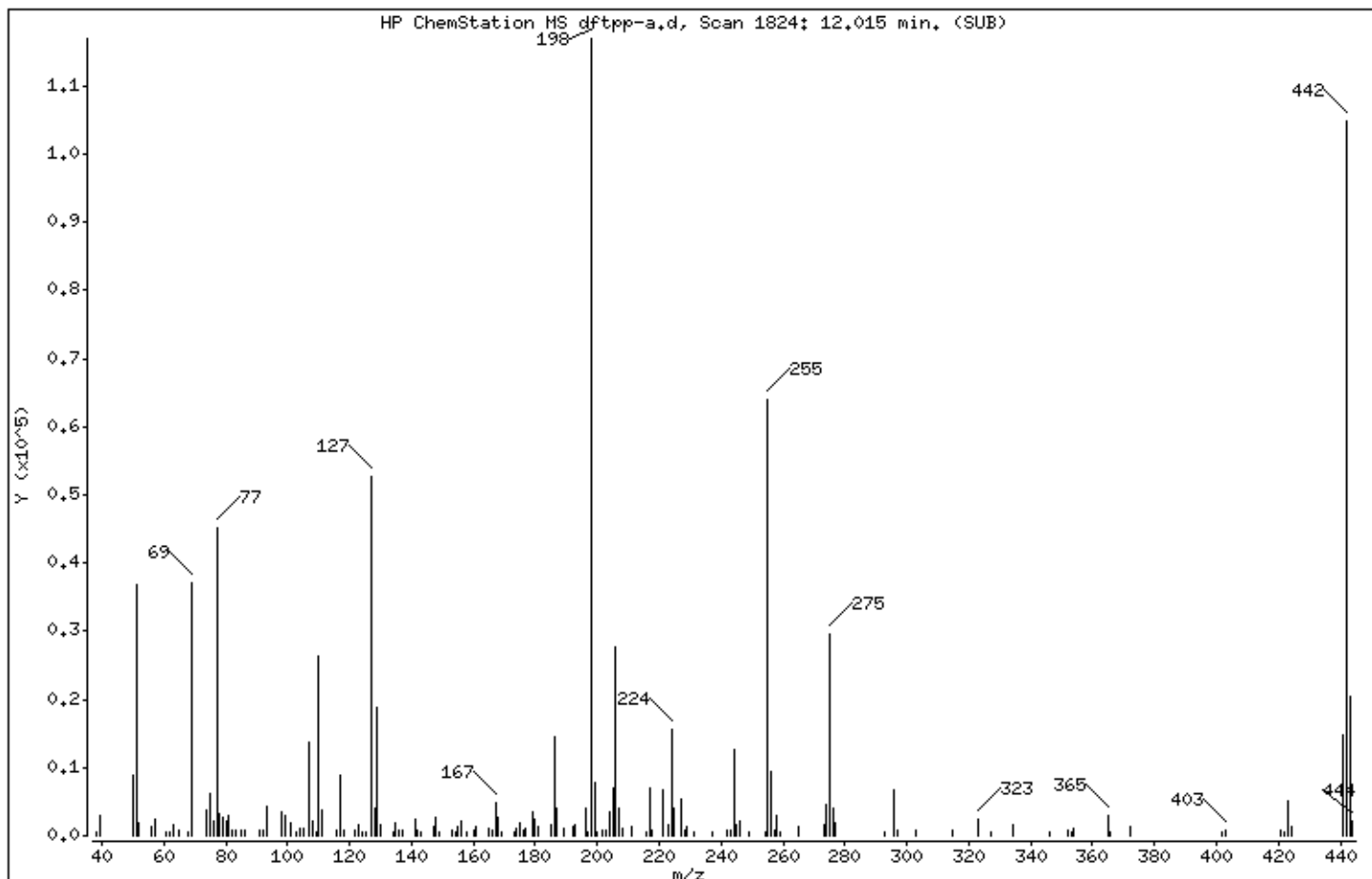
Instrument: 50MSS3.i

Sample Info: TUNE,70900;1

Operator: CEM

Column phase: 1 dftpp

Column diameter: 2.00



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
198	Base Peak, 100% relative abundance	100.00
51	30.00 - 60.00% of mass 198	31.58
68	Less than 2.00% of mass 69	0.55 (1.73)
69	Mass 69 relative abundance	31.84
70	Less than 2.00% of mass 69	0.00 (0.00)
127	40.00 - 60.00% of mass 198	45.07
197	Less than 1.00% of mass 198	0.49
199	5.00 - 9.00% of mass 198	6.59
275	10.00 - 30.00% of mass 198	25.26
365	Greater than 1.00% of mass 198	2.63
441	Present, but less than mass 443	12.70
442	Greater than 40.00% of mass 198	89.60
443	17.00 - 23.00% of mass 442	17.48 (19.51)

Date : 27-JUN-2014 13:04

Client ID: DFTPP

Instrument: 50MSS3.i

Sample Info: TUNE,70900;1

Operator: CEM

Column phase:

Column diameter: 2.00

Data File: dftpp-a.d

Spectrum: HP ChemStation MS dftpp-a.d, Scan 1824: 12.015 min. (SUB)

Location of Maximum: 198.00

Number of points: 154

m/z	Y	m/z	Y	m/z	Y	m/z	Y
38.00	528	115.90	707	180.00	2530	254.10	584
39.10	2966	117.00	8784	181.00	1305	255.00	64024
50.10	8749	118.00	885	185.00	1640	256.00	9360
51.10	36936	121.90	812	186.00	14622	257.00	782
52.00	1838	123.00	1635	187.00	3939	258.00	2925
56.00	1226	123.90	629	189.00	955	259.00	505
57.00	2532	125.00	531	192.00	1344	265.00	1392
60.90	514	127.00	52712	193.00	1508	273.00	1690
62.00	621	128.00	4085	196.00	3906	274.00	4701
63.00	1675	129.00	18768	197.00	577	275.00	29544
65.00	799	130.00	1608	198.00	116952	276.00	3963
68.00	644	133.90	639	199.00	7702	277.10	1987
69.00	37232	135.00	1835	200.00	562	293.00	611
74.00	3710	136.00	702	201.40	753	296.00	6852
75.00	6146	137.00	809	203.00	761	297.00	917
76.00	2118	141.00	2367	204.00	3530	303.00	725
77.10	45288	142.00	886	205.00	6914	315.00	799
78.00	3158	143.00	563	206.00	27584	323.00	2366
79.00	2660	147.00	1219	207.00	4043	326.90	508
80.00	2037	148.00	2558	208.00	975	334.10	1560
81.00	2918	149.00	507	211.00	1234	345.90	531
82.10	781	153.10	743	216.00	605	352.00	814
82.90	686	154.00	661	217.00	7010	353.10	520
85.00	764	155.10	1307	217.90	835	354.00	941
86.00	724	156.00	2047	221.00	6681	365.00	3071
91.00	729	157.90	593	223.00	1719	365.90	571
92.00	819	160.00	756	224.00	15595	372.00	1430
93.00	4249	161.00	1278	225.00	3908	402.00	631
98.00	3441	164.90	1110	227.00	5244	403.10	817
99.00	2894	166.10	678	228.00	854	421.00	737
101.00	1865	167.00	4838	229.00	1355	422.00	533
102.90	629	168.00	2700	231.00	555	423.00	5084
104.00	989	169.00	556	237.00	633	424.10	1369
105.00	1006	173.00	615	242.00	898	441.10	14858
107.00	13591	174.00	1013	243.00	930	442.10	104784

Date : 27-JUN-2014 13:04

Client ID: DFTPP

Instrument: 50MSS3.i

Sample Info: TUNE,70900;1

Operator: CEM

Column phase:

Column diameter: 2.00

Data File: dftpp-a.d

Spectrum: HP ChemStation MS dftpp-a.d, Scan 1824: 12.015 min. (SUB)

Location of Maximum: 198.00

Number of points: 154

m/z	Y	m/z	Y	m/z	Y	m/z	Y
108.00	2151	175.00	1938	244.10	12766	443.10	20440
109.00	526	176.10	674	245.00	1683	444.00	2040
110.00	26224	176.90	980	246.00	2283		
111.00	3811	179.00	3437	249.00	592		

MSSV FULL SCAN - FORM I SVOA-1
SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

BLANK

Lab Name: Pace Analytical - Indiana
Date Received: _____
Date Extracted: 06/24/2014 10:38
Date Analyzed: 06/24/2014 16:29
Initial wt/vol: 1000 mL Final wt/vol: 1 mL Dilution: 1

Contract: Sibley-Accucast/2339-356-03-00
Matrix: Water SDG No.: 5099688
Lab Sample ID: 1116331
Lab File ID: 062414.B\1116331B.D
Instrument: 50MSS2 Percent Moisture: _____

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
83-32-9	Acenaphthene	ND	U
208-96-8	Acenaphthylene	ND	U
120-12-7	Anthracene	ND	U
56-55-3	Benzo(a)anthracene	ND	U
50-32-8	Benzo(a)pyrene	ND	U
205-99-2	Benzo(b)fluoranthene	ND	U
191-24-2	Benzo(g,h,i)perylene	ND	U
207-08-9	Benzo(k)fluoranthene	ND	U
100-51-6	Benzyl alcohol	ND	U
101-55-3	4-Bromophenylphenyl ether	ND	U
85-68-7	Butylbenzylphthalate	ND	U
59-50-7	4-Chloro-3-methylphenol	ND	U
106-47-8	4-Chloroaniline	ND	U
111-91-1	bis(2-Chloroethoxy)methane	ND	U
111-44-4	bis(2-Chloroethyl) ether	ND	U
108-60-1	bis(2chloro1methylethyl) ether	ND	U
91-58-7	2-Chloronaphthalene	ND	U
95-57-8	2-Chlorophenol	ND	U
7005-72-3	4-Chlorophenylphenyl ether	ND	U
218-01-9	Chrysene	ND	U
53-70-3	Dibenz(a,h)anthracene	ND	U
132-64-9	Dibenzofuran	ND	U
91-94-1	3,3'-Dichlorobenzidine	ND	U
120-83-2	2,4-Dichlorophenol	ND	U
84-66-2	Diethylphthalate	ND	U
105-67-9	2,4-Dimethylphenol	ND	U
131-11-3	Dimethylphthalate	ND	U
84-74-2	Di-n-butylphthalate	ND	U
534-52-1	4,6-Dinitro-2-methylphenol	ND	U
51-28-5	2,4-Dinitrophenol	ND	U
121-14-2	2,4-Dinitrotoluene	ND	U
606-20-2	2,6-Dinitrotoluene	ND	U
117-84-0	Di-n-octylphthalate	ND	U
117-81-7	bis(2-Ethylhexyl)phthalate	ND	U
206-44-0	Fluoranthene	ND	U
86-73-7	Fluorene	ND	U
87-68-3	Hexachloro-1,3-butadiene	ND	U

07/21/2014 12:56

MSSV FULL SCAN - FORM I SVOA-2
SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

BLANK

Lab Name: Pace Analytical - Indiana
Date Received: _____
Date Extracted: 06/24/2014 10:38
Date Analyzed: 06/24/2014 16:29
Initial wt/vol: 1000 mL Final wt/vol: 1 mL Dilution: 1

Contract: Sibley-Accucast/2339-356-03-00
Matrix: Water SDG No.: 5099688
Lab Sample ID: 1116331
Lab File ID: 062414.B\1116331B.D
Instrument: 50MSS2 Percent Moisture: _____

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
118-74-1	Hexachlorobenzene	ND	U
77-47-4	Hexachlorocyclopentadiene	ND	U
67-72-1	Hexachloroethane	ND	U
193-39-5	Indeno(1,2,3-cd)pyrene	ND	U
78-59-1	Isophorone	ND	U
91-57-6	2-Methylnaphthalene	ND	U
95-48-7	2-Methylphenol(o-Cresol)	ND	U
	3&4-Methylphenol(m&p Cresol)	ND	U
91-20-3	Naphthalene	ND	U
88-74-4	2-Nitroaniline	ND	U
99-09-2	3-Nitroaniline	ND	U
100-01-6	4-Nitroaniline	ND	U
98-95-3	Nitrobenzene	ND	U
88-75-5	2-Nitrophenol	ND	U
100-02-7	4-Nitrophenol	ND	U
621-64-7	N-Nitroso-di-n-propylamine	ND	U
86-30-6	N-Nitrosodiphenylamine	ND	U
87-86-5	Pentachlorophenol	ND	U
85-01-8	Phenanthrene	ND	U
108-95-2	Phenol	ND	U
129-00-0	Pyrene	ND	U
95-95-4	2,4,5-Trichlorophenol	ND	U
88-06-2	2,4,6-Trichlorophenol	ND	U

07/21/2014 12:56

Pace Analytical Services, Inc.

Semivolatile REPORT SW-846 Method 8270/EPA 625

Data file : \\192.168.50.6\chem\50MSS2.i\062414.b\1116331b.d
 Lab Smp Id: 1116444 Client Smp ID: MB
 Inj Date : 24-JUN-2014 16:29
 Operator : SN Inst ID: 50MSS2.i
 Smp Info : 1116444
 Misc Info : 15567
 Comment :
 Method : \\192.168.50.6\chem\50MSS2.i\062414.b\8270c.m
 Meth Date : 25-Jun-2014 09:37 50MSS2.i Quant Type: ISTD
 Cal Date : 09-JUN-2014 14:49 Cal File: 100ppm.d
 Als bottle: 7 QC Sample: BLANK
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: most.sub
 Target Version: 4.14
 Processing Host: 50-SVOA-SN

Concentration Formula: Amt * DF * Uf * Vt / (Vo * Vi) * CpndVariable

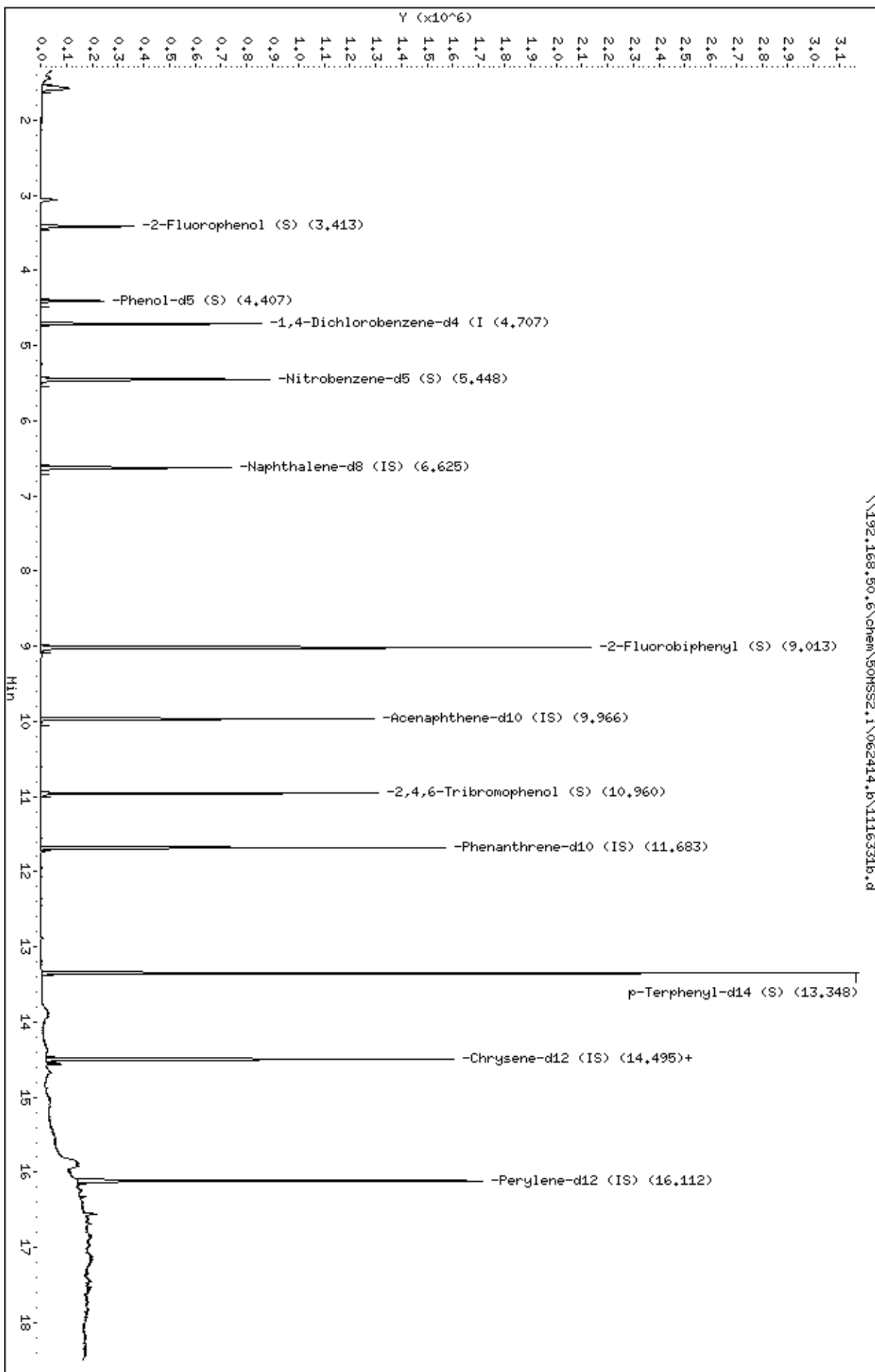
Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vt	1000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT	SIG						CONCENTRATIONS	
			ON-COLUMN	FINAL					
	MASS		RT	EXP RT	REL RT	RESPONSE	(ug/ml)	(ug/L)	
\$ 3 2-Fluorophenol (S)	112		3.413	3.401	(0.725)	148787	32.6119	32.61	
\$ 6 Phenol-d5 (S)	99		4.407	4.395	(0.936)	110993	19.2691	19.27	
* 11 1,4-Dichlorobenzene-d4 (IS)	152		4.707	4.701	(1.000)	160384	40.0000	(Q)	
\$ 23 Nitrobenzene-d5 (S)	82		5.448	5.448	(0.822)	415265	89.6412	89.64	
* 32 Naphthalene-d8 (IS)	136		6.624	6.624	(1.000)	605137	40.0000		
\$ 46 2-Fluorobiphenyl (S)	172		9.012	9.012	(0.904)	971435	84.6912	84.69	
* 53 Acenaphthene-d10 (IS)	164		9.965	9.965	(1.000)	340080	40.0000		
\$ 67 2,4,6-Tribromophenol (S)	330		10.959	10.959	(0.938)	222490	97.0164	97.02	
* 72 Phenanthrene-d10 (IS)	188		11.683	11.683	(1.000)	618659	40.0000		
\$ 80 p-Terphenyl-d14 (S)	244		13.347	13.347	(1.142)	1082852	85.2391	85.24	
* 84 Chrysene-d12 (IS)	240		14.494	14.500	(1.000)	744881	40.0000		
86 bis(2-Ethylhexyl)phthalate	149		14.559	14.559	(1.004)	24439	2.14649	2.15	
* 91 Perylene-d12 (IS)	264		16.112	16.112	(1.000)	688845	40.0000		

QC Flag Legend

Q - Qualifier signal failed the ratio test.

\\192.168.50.6\chem\50HSS2.1\062414.b\1116331b.d



Date : 24-JUN-2014 16:29

Client ID: MB

Instrument: 50MSS2.i

Sample Info: 1116444

Volume Injected (uL): 1.0

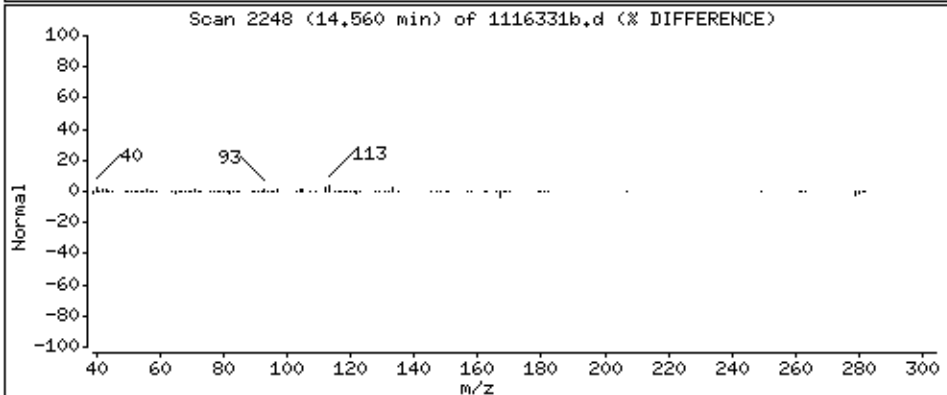
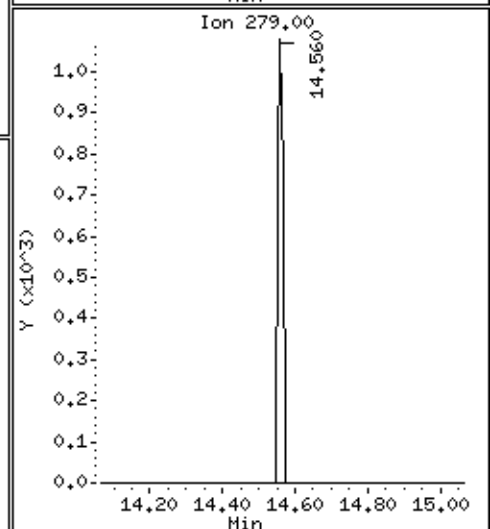
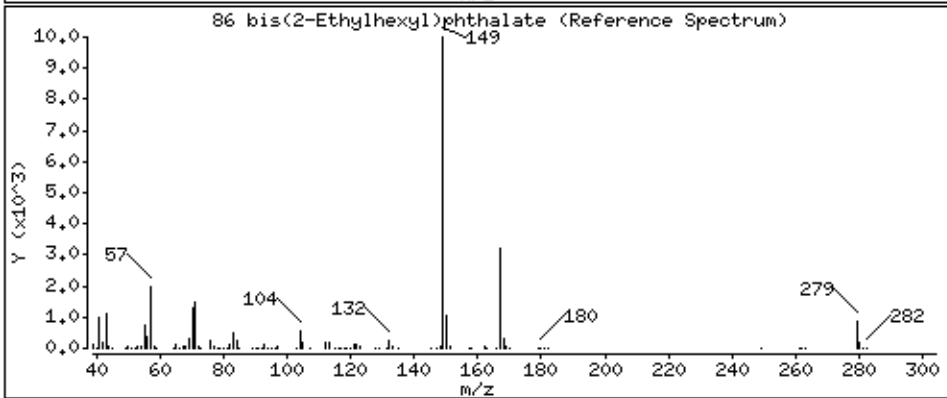
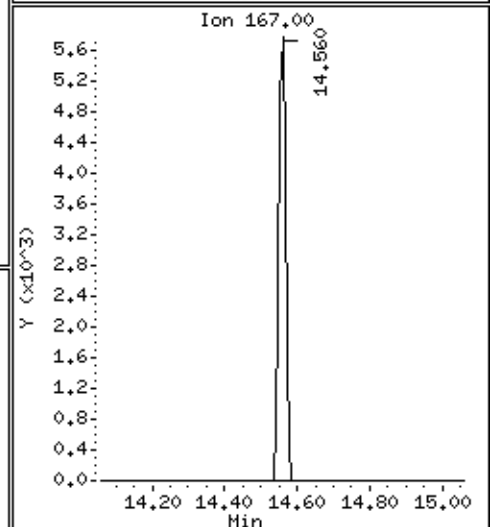
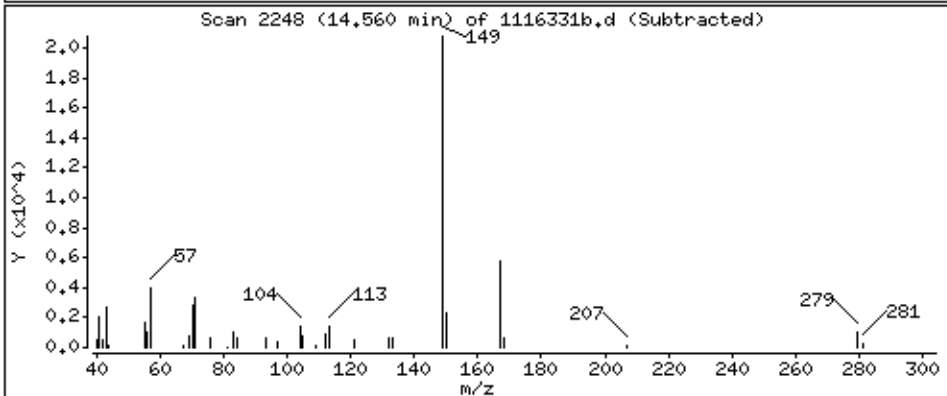
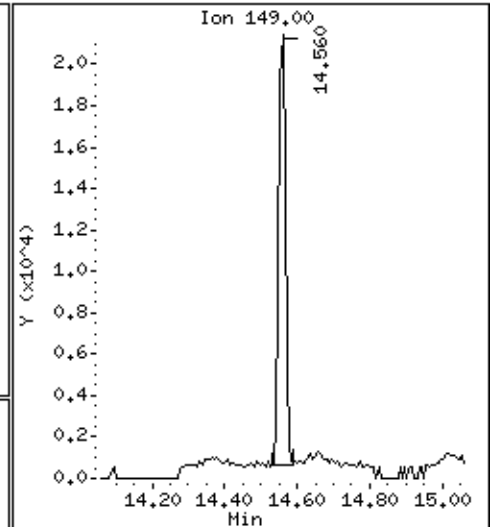
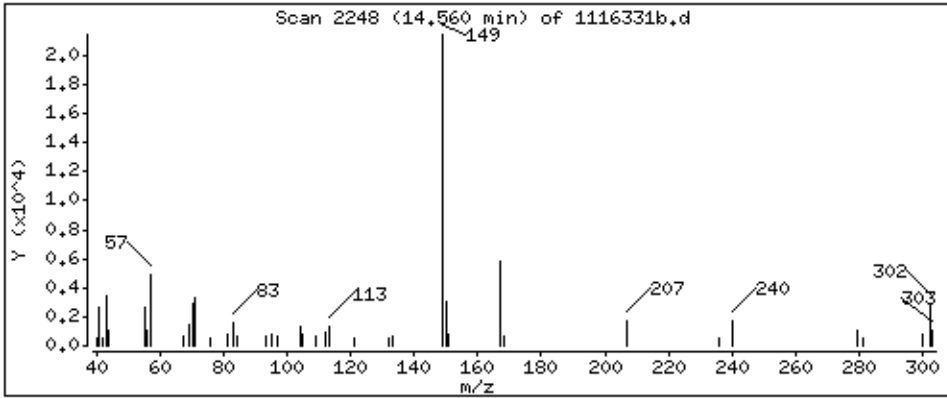
Operator: SN

Column phase: .50um DB-5ms

Column diameter: 0,25

86 bis(2-Ethylhexyl)phthalate

Concentration: 2,15 ug/L



MSSV FULL SCAN - FORM I SVOA-1
SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

BLANK

Lab Name: Pace Analytical - Indiana
Date Received: _____
Date Extracted: 06/25/2014 12:30
Date Analyzed: 06/27/2014 15:01
Initial wt/vol: 30 g Final wt/vol: 1 mL Dilution: 1

Contract: Sibley-Accucast/2339-356-03-00
Matrix: Solid SDG No.: 5099688
Lab Sample ID: 1117087
Lab File ID: 062714.B\1117087B.D
Instrument: 50MSS3 Percent Moisture: _____

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
83-32-9	Acenaphthene	ND	U
208-96-8	Acenaphthylene	ND	U
120-12-7	Anthracene	ND	U
56-55-3	Benzo(a)anthracene	ND	U
50-32-8	Benzo(a)pyrene	ND	U
205-99-2	Benzo(b)fluoranthene	ND	U
191-24-2	Benzo(g,h,i)perylene	ND	U
207-08-9	Benzo(k)fluoranthene	ND	U
100-51-6	Benzyl alcohol	ND	U
101-55-3	4-Bromophenylphenyl ether	ND	U
85-68-7	Butylbenzylphthalate	ND	U
59-50-7	4-Chloro-3-methylphenol	ND	U
106-47-8	4-Chloroaniline	ND	U
111-91-1	bis(2-Chloroethoxy)methane	ND	U
111-44-4	bis(2-Chloroethyl) ether	ND	U
108-60-1	bis(2chloro1methylethyl) ether	ND	U
91-58-7	2-Chloronaphthalene	ND	U
95-57-8	2-Chlorophenol	ND	U
7005-72-3	4-Chlorophenylphenyl ether	ND	U
218-01-9	Chrysene	ND	U
53-70-3	Dibenz(a,h)anthracene	ND	U
132-64-9	Dibenzofuran	ND	U
91-94-1	3,3'-Dichlorobenzidine	ND	U
120-83-2	2,4-Dichlorophenol	ND	U
84-66-2	Diethylphthalate	ND	U
105-67-9	2,4-Dimethylphenol	ND	U
131-11-3	Dimethylphthalate	ND	U
84-74-2	Di-n-butylphthalate	ND	U
534-52-1	4,6-Dinitro-2-methylphenol	ND	U
51-28-5	2,4-Dinitrophenol	ND	U
121-14-2	2,4-Dinitrotoluene	ND	U
606-20-2	2,6-Dinitrotoluene	ND	U
117-84-0	Di-n-octylphthalate	ND	U
117-81-7	bis(2-Ethylhexyl)phthalate	ND	U
206-44-0	Fluoranthene	ND	U
86-73-7	Fluorene	ND	U
87-68-3	Hexachloro-1,3-butadiene	ND	U

07/21/2014 12:56

MSSV FULL SCAN - FORM I SVOA-2
SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

BLANK

Lab Name: Pace Analytical - Indiana
Date Received: _____
Date Extracted: 06/25/2014 12:30
Date Analyzed: 06/27/2014 15:01
Initial wt/vol: 30 g Final wt/vol: 1 mL Dilution: 1

Contract: Sibley-Accucast/2339-356-03-00
Matrix: Solid SDG No.: 5099688
Lab Sample ID: 1117087
Lab File ID: 062714.B\1117087B.D
Instrument: 50MSS3 Percent Moisture: _____

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
118-74-1	Hexachlorobenzene	ND	U
77-47-4	Hexachlorocyclopentadiene	ND	U
67-72-1	Hexachloroethane	ND	U
193-39-5	Indeno(1,2,3-cd)pyrene	ND	U
78-59-1	Isophorone	ND	U
91-57-6	2-Methylnaphthalene	ND	U
95-48-7	2-Methylphenol(o-Cresol)	ND	U
	3&4-Methylphenol(m&p Cresol)	ND	U
91-20-3	Naphthalene	ND	U
88-74-4	2-Nitroaniline	ND	U
99-09-2	3-Nitroaniline	ND	U
100-01-6	4-Nitroaniline	ND	U
98-95-3	Nitrobenzene	ND	U
88-75-5	2-Nitrophenol	ND	U
100-02-7	4-Nitrophenol	ND	U
621-64-7	N-Nitroso-di-n-propylamine	ND	U
86-30-6	N-Nitrosodiphenylamine	ND	U
87-86-5	Pentachlorophenol	ND	U
85-01-8	Phenanthrene	ND	U
108-95-2	Phenol	ND	U
129-00-0	Pyrene	ND	U
95-95-4	2,4,5-Trichlorophenol	ND	U
88-06-2	2,4,6-Trichlorophenol	ND	U

Pace Analytical Services, Inc.

Semivolatile REPORT SW-846 Method 8270/EPA 625

Data file : \\192.168.50.6\chem\50MSS3.i\062714.b\1117087b.d
 Lab Smp Id: 1117087 Client Smp ID: MB
 Inj Date : 27-JUN-2014 15:01
 Operator : CEM Inst ID: 50MSS3.i
 Smp Info : 1117087
 Misc Info : 15583
 Comment :
 Method : \\192.168.50.6\chem\50MSS3.i\062714.b\8270c.m
 Meth Date : 30-Jun-2014 13:19 50MSS3.i Quant Type: ISTD
 Cal Date : 10-JUN-2014 12:11 Cal File: 100ppm.d
 Als bottle: 7 QC Sample: BLANK
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: most.sub
 Target Version: 4.14
 Processing Host: 50-SVOA-SN

Concentration Formula: Amt * DF * Uf * Vt / (Vi * Ws * (100 - M) / 100) * CpndV

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vt	1000.000	Volume of final extract (uL)
Vi	1.000	Volume Injected (uL)
Ws	30.000	Weight of sample extracted (g)
M	0.00000	% Moisture
Cpnd Variable		Local Compound Variable

Compounds	QUANT	SIG	CONCENTRATIONS				ON-COLUMN	FINAL
			MASS	RT	EXP RT	REL RT	RESPONSE	(ug/ml)
\$ 3 2-Fluorophenol (S)	112		3.392	3.380	(0.731)	211693	67.3896	2246
\$ 7 Phenol-d5 (S)	99		4.410	4.404	(0.951)	257232	65.8585	2195
* 11 1,4-Dichlorobenzene-d4 (IS)	152		4.639	4.633	(1.000)	109384	40.0000	(Q)
\$ 23 Nitrobenzene-d5 (S)	82		5.369	5.368	(0.824)	205210	67.1978	2240
* 32 Naphthalene-d8 (IS)	136		6.516	6.515	(1.000)	418443	40.0000	
\$ 44 2-Fluorobiphenyl (S)	172		8.921	8.927	(0.902)	561934	70.6543	2355
* 53 Acenaphthene-d10 (IS)	164		9.886	9.886	(1.000)	245257	40.0000	
\$ 67 2,4,6-Tribromophenol (S)	330		10.892	10.886	(0.939)	76543	53.7522	1792
* 72 Phenanthrene-d10 (IS)	188		11.598	11.597	(1.000)	453147	40.0000	
\$ 80 p-Terphenyl-d14 (S)	244		13.250	13.256	(1.143)	859810	91.0571	3035
* 84 Chrysene-d12 (IS)	240		14.368	14.368	(1.000)	599477	40.0000	
* 91 Perylene-d12 (IS)	264		15.968	15.974	(1.000)	420270	40.0000	

QC Flag Legend

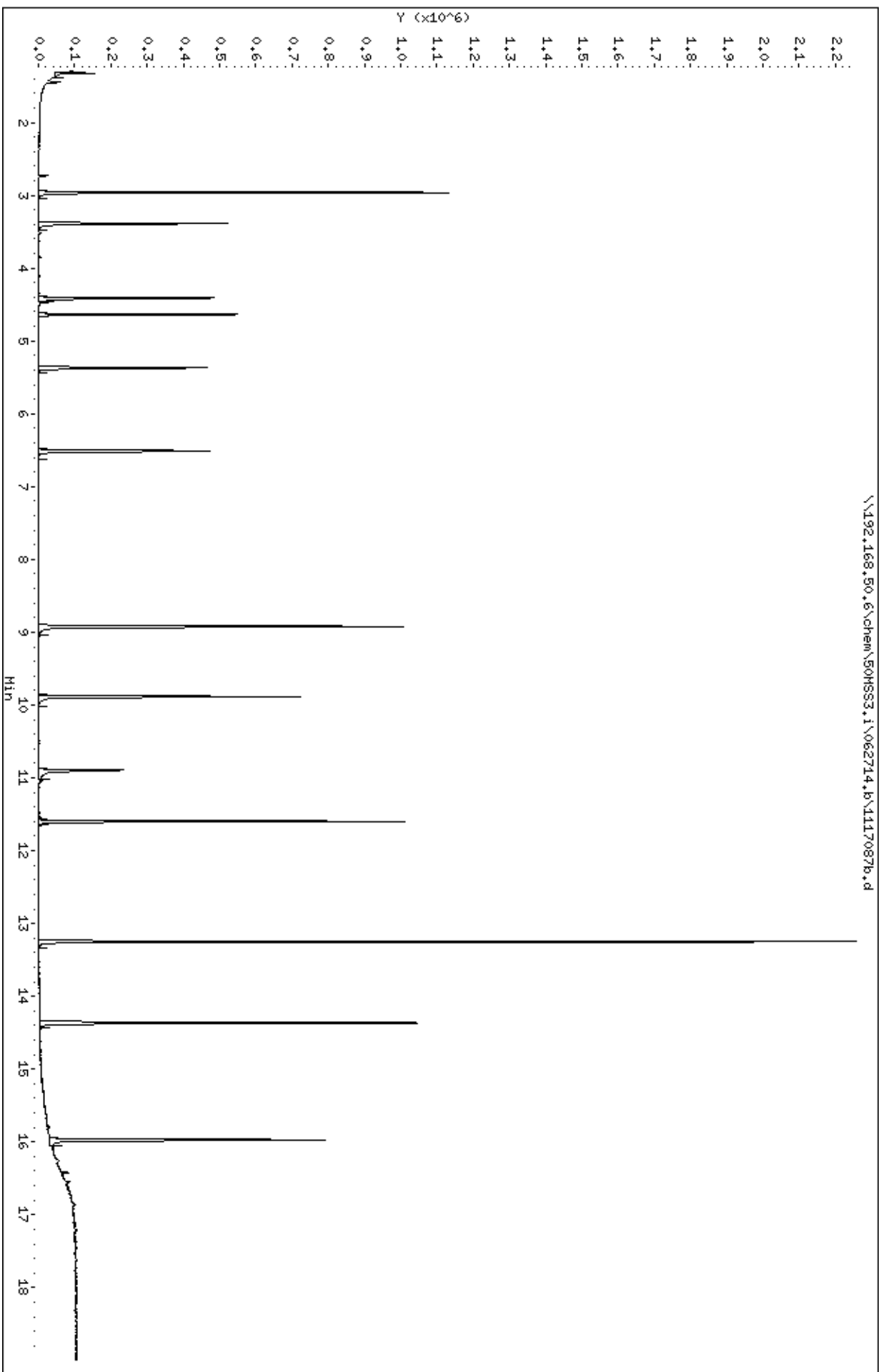
Q - Qualifier signal failed the ratio test.

Data File: \\192.168.50.6\chem\50HSS3.1\062714.B\1117087b.d
Date: 27-JUN-2014 15:01

Page 2

Client ID: HB
Sample Info: 1117087
Volume Injected (uL): 1.0
Column phase: 50um DB-5ms

Instrument: 50HSS3.1
Operator: CEH
Column diameter: 0.25



MSSV FULL SCAN - FORM I SVOA-1
SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

LCS

Lab Name: Pace Analytical - Indiana
Date Received: _____
Date Extracted: 06/24/2014 10:38
Date Analyzed: 06/24/2014 16:52
Initial wt/vol: 1000 mL Final wt/vol: 1 mL Dilution: 1

Contract: Sibley-Accucast/2339-356-03-00
Matrix: Water SDG No.: 5099688
Lab Sample ID: 1116332
Lab File ID: 062414.B\1116332L.D
Instrument: 50MSS2 Percent Moisture: _____

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
83-32-9	Acenaphthene	85.9	
208-96-8	Acenaphthylene	84.3	
120-12-7	Anthracene	96.1	
56-55-3	Benzo(a)anthracene	94.1	
50-32-8	Benzo(a)pyrene	93.0	
205-99-2	Benzo(b)fluoranthene	95.5	
191-24-2	Benzo(g,h,i)perylene	92.3	
207-08-9	Benzo(k)fluoranthene	91.9	
59-50-7	4-Chloro-3-methylphenol	69.9	
95-57-8	2-Chlorophenol	60.1	
218-01-9	Chrysene	96.5	
53-70-3	Dibenz(a,h)anthracene	94.7	
121-14-2	2,4-Dinitrotoluene	101	
206-44-0	Fluoranthene	94.3	
86-73-7	Fluorene	91.2	
193-39-5	Indeno(1,2,3-cd)pyrene	90.1	
91-57-6	2-Methylnaphthalene	73.1	
91-20-3	Naphthalene	74.0	
100-02-7	4-Nitrophenol	ND	U
621-64-7	N-Nitroso-di-n-propylamine	87.4	
87-86-5	Pentachlorophenol	97.6	
85-01-8	Phenanthrene	94.5	
108-95-2	Phenol	23.6	
129-00-0	Pyrene	92.0	

Pace Analytical Services, Inc.

Semivolatile REPORT SW-846 Method 8270/EPA 625

Data file : \\192.168.50.6\chem\50MSS2.i\062414.b\11163321.d
 Lab Smp Id: 1116445 Client Smp ID: MBLCS
 Inj Date : 24-JUN-2014 16:52
 Operator : SN Inst ID: 50MSS2.i
 Smp Info : 1116445
 Misc Info : 15567
 Comment :
 Method : \\192.168.50.6\chem\50MSS2.i\062414.b\8270c.m
 Meth Date : 25-Jun-2014 09:37 50MSS2.i Quant Type: ISTD
 Cal Date : 09-JUN-2014 14:49 Cal File: 100ppm.d
 Als bottle: 8 QC Sample: LCS
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: most.sub
 Target Version: 4.14
 Processing Host: 50-SVOA-SN

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vt	1000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT	SIG	MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
								ON-COLUMN	FINAL
								(ug/ml)	(ug/L)
1 N-Nitrosodimethylamine	42			2.113	2.107	(0.449)	62951	32.5230	32.52
2 Pyridine	79			2.124	2.113	(0.451)	140717	27.9949	27.99
\$ 3 2-Fluorophenol (S)	112			3.413	3.401	(0.725)	146547	31.2367	31.24
\$ 6 Phenol-d5 (S)	99			4.401	4.395	(0.935)	110996	18.7392	18.74
7 Phenol	94			4.413	4.413	(0.938)	147497	23.6383	23.64 (QRM)
8 bis(2-Chloroethyl)ether	93			4.465	4.465	(0.949)	396383	87.7206	87.72
9 2-Chlorophenol	128			4.518	4.518	(0.960)	334480	60.1098	60.11
10 1,3-Dichlorobenzene	146			4.665	4.660	(0.991)	408085	65.3260	65.33
* 11 1,4-Dichlorobenzene-d4 (IS)	152			4.707	4.701	(1.000)	164924	40.0000	
12 1,4-Dichlorobenzene	146			4.724	4.718	(1.004)	417140	66.9289	66.93
13 Benzyl Alcohol	108			4.907	4.907	(1.042)	184285	54.8349	54.83
14 1,2-Dichlorobenzene	146			4.936	4.936	(1.049)	409311	68.0805	68.08
15 2-Methylphenol	108			5.083	5.083	(1.080)	244842	52.8842	52.88
16 bis(2chlorolmethylethyl) ether	45			5.083	5.089	(1.080)	543806	96.4753	96.48
17 2,2'-Oxybis(1-chloropropane)	45			5.083	5.089	(1.080)	543806	96.4753	96.48
18 bis(2-Chloroisopropyl)ether	45			5.083	5.089	(1.080)	543806	96.4753	96.48
20 3&4-Methylphenol	108			5.283	5.283	(1.122)	223427	44.7472	44.75
19 Acetophenone	105			5.236	5.236	(1.112)	597002	82.6072	82.61
21 N-Nitroso-di-n-propylamine	70			5.271	5.271	(1.120)	288378	87.4049	87.40
22 Hexachloroethane	117			5.318	5.318	(1.130)	146081	66.0935	66.09

Compounds	QUANT	SIG	MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
								ON-COLUMN (ug/ml)	FINAL (ug/L)
§ 23 Nitrobenzene-d5 (S)	82		5.448	5.448	(0.822)	421598	85.8404	85.84	
24 Nitrobenzene	77		5.477	5.477	(0.827)	423778	86.1788	86.18	
25 Isophorone	82		5.824	5.830	(0.879)	807861	86.3469	86.35	
26 2-Nitrophenol	139		5.983	5.983	(0.903)	240647	80.7431	80.74	
27 2,4-Dimethylphenol	122		6.101	6.101	(0.921)	338642	71.7215	71.72	
29 bis(2-Chloroethoxy)methane	93		6.259	6.259	(0.945)	551912	95.5070	95.51	
30 2,4-Dichlorophenol	162		6.424	6.418	(0.970)	363778	75.0905	75.09	
31 1,2,4-Trichlorobenzene	180		6.559	6.554	(0.990)	375951	71.0401	71.04	
* 32 Naphthalene-d8 (IS)	136		6.624	6.624	(1.000)	641568	40.0000		
33 Naphthalene	128		6.665	6.665	(1.006)	1223841	73.9884	73.99	
35 4-Chloroaniline	127		6.889	6.889	(1.040)	476506	73.5505	73.55	
36 Hexachlorobutadiene	225		7.077	7.071	(1.068)	239639	74.3621	74.36	
38 4-Chloro-3-methylphenol	107		8.148	8.159	(1.230)	312180	69.8842	69.88	
39 2-Methylnaphthalene	142		8.253	8.253	(1.246)	830990	73.1231	73.12	
41 1-Methylnaphthalene	142		8.471	8.471	(1.279)	800474	71.6251	71.62	
43 Hexachlorocyclopentadiene	237		8.712	8.712	(0.874)	93954	42.6632	42.66	
44 2,4,6-Trichlorophenol	196		8.900	8.900	(0.893)	301847	84.9579	84.96	
45 2,4,5-Trichlorophenol	196		8.971	8.977	(0.900)	319373	84.6137	84.61	
§ 46 2-Fluorobiphenyl (S)	172		9.018	9.012	(0.904)	1096769	90.6848	90.68	
47 2-Chloronaphthalene	162		9.136	9.130	(0.916)	833693	83.5566	83.56	
49 2-Nitroaniline	65		9.412	9.412	(0.944)	235625	96.7395	96.74	
50 Dimethylphthalate	163		9.742	9.736	(0.977)	1078161	92.7384	92.74	
51 Acenaphthylene	152		9.753	9.753	(0.978)	1442574	84.2987	84.30	
52 2,6-Dinitrotoluene	165		9.830	9.830	(0.986)	256972	102.105	102.1	
54 3-Nitroaniline	138		10.006	10.006	(1.004)	219727	80.0272	80.03	
* 53 Acenaphthene-d10 (IS)	164		9.971	9.965	(1.000)	358580	40.0000		
55 Acenaphthene	153		10.012	10.012	(1.004)	913842	85.8764	85.88	
56 2,4-Dinitrophenol	184		10.147	10.147	(1.018)	39380	30.5799	30.58 (QM)	
58 4-Nitrophenol	109		10.300	10.295	(1.033)	31653	23.2429	23.24	
57 Dibenzofuran	168		10.218	10.218	(1.025)	1300103	86.6997	86.70	
59 2,4-Dinitrotoluene	165		10.336	10.336	(1.037)	351964	100.985	101.0	
60 Diethylphthalate	149		10.630	10.630	(1.066)	1078265	95.1415	95.14	
61 Fluorene	166		10.642	10.642	(1.067)	1089696	91.2392	91.24	
62 4-Chlorophenyl-phenylether	204		10.665	10.659	(1.070)	530902	90.1978	90.20	
63 4-Nitroaniline	138		10.771	10.771	(1.080)	256431	89.1976	89.20	
64 4,6-Dinitro-2-methylphenol	198		10.812	10.812	(0.925)	125620	59.7398	59.74 (QM)	
65 N-Nitrosodiphenylamine	169		10.824	10.824	(0.926)	954332	114.549	114.5	
66 1,2-Diphenylhydrazine	77		10.842	10.842	(0.928)	1024660	96.0826	96.08	
§ 67 2,4,6-Tribromophenol (S)	330		10.959	10.959	(0.938)	227621	94.0759	94.08	
68 4-Bromophenyl-phenylether	248		11.212	11.206	(0.960)	370149	96.1229	96.12	
69 Hexachlorobenzene	284		11.365	11.365	(0.973)	445347	96.8064	96.81	
71 Pentachlorophenol	266		11.577	11.577	(0.991)	264364	97.6034	97.60	
* 72 Phenanthrene-d10 (IS)	188		11.683	11.683	(1.000)	652710	40.0000		
73 Phenanthrene	178		11.712	11.706	(1.002)	1655198	94.5155	94.52	
74 Anthracene	178		11.759	11.759	(1.007)	1693048	96.1052	96.10	
75 Carbazole	167		11.959	11.953	(1.024)	1611414	97.0571	97.06	
76 Di-n-butylphthalate	149		12.365	12.365	(1.058)	1780914	95.3797	95.38	
77 Fluoranthene	202		12.953	12.953	(1.109)	1881043	94.3324	94.33	
78 Benzidine	184		13.112	13.112	(1.122)	548206	119.568	119.6	
79 Pyrene	202		13.183	13.177	(1.128)	1920895	91.9844	91.98	
§ 80 p-Terphenyl-d14 (S)	244		13.347	13.347	(1.142)	1174657	87.6419	87.64	
81 Butylbenzylphthalate	149		13.883	13.883	(0.957)	842629	100.775	100.8	
82 Benzo(a)anthracene	228		14.477	14.477	(0.998)	1903830	94.1112	94.11	
83 3,3'-Dichlorobenzidine	252		14.482	14.482	(0.999)	777285	114.470	114.5	

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN (ug/ml)	FINAL (ug/L)
* 84 Chrysene-d12 (IS)	240	14.500	14.500	(1.000)	791408	40.0000	
85 Chrysene	228	14.535	14.535	(1.002)	1834796	96.5269	96.53
86 bis(2-Ethylhexyl)phthalate	149	14.559	14.559	(1.004)	1222371	101.050	101.0
87 Di-n-octylphthalate	149	15.288	15.288	(0.949)	2047510	99.3692	99.37
88 Benzo(b)fluoranthene	252	15.729	15.729	(0.976)	2136865	95.5026	95.50
89 Benzo(k)fluoranthene	252	15.753	15.753	(0.978)	2141144	91.8591	91.86
90 Benzo(a)pyrene	252	16.059	16.059	(0.997)	1883042	93.0184	93.02
* 91 Perylene-d12 (IS)	264	16.112	16.112	(1.000)	739579	40.0000	
92 Indeno(1,2,3-cd)pyrene	276	17.159	17.159	(1.065)	2378833	90.1123	90.11
93 Dibenz(a,h)anthracene	278	17.159	17.165	(1.065)	2008945	94.7015	94.70
94 Benzo(g,h,i)perylene	276	17.447	17.447	(1.083)	2053569	92.3232	92.32

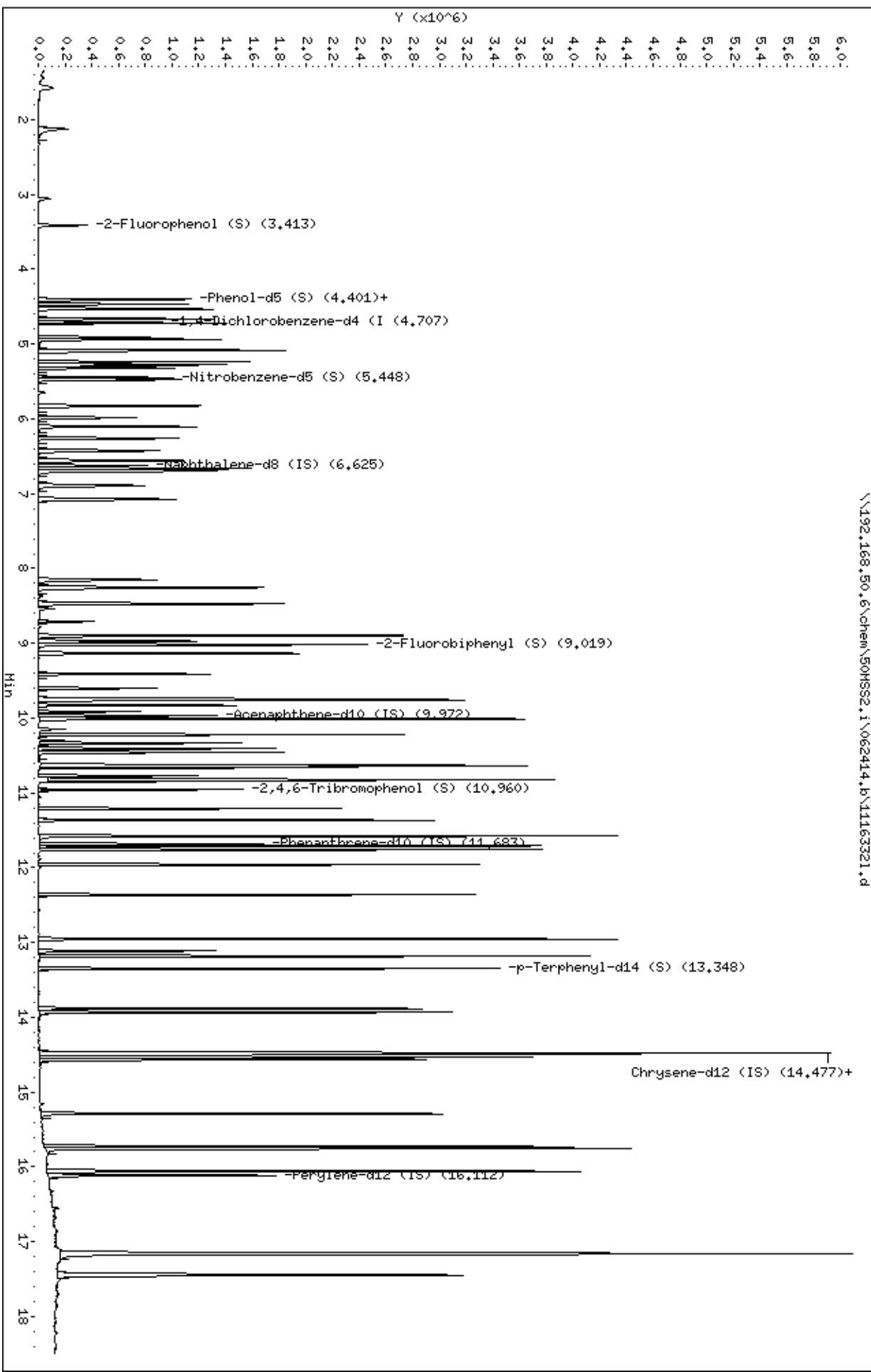
QC Flag Legend

- Q - Qualifier signal failed the ratio test.
- R - Spike/Surrogate failed recovery limits.
- M - Compound response manually integrated.

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 Client ID: HBLCS
 Sample Info: 1116445
 Volume Injected (uL): 1.0
 Column phase: 50um DB-5ms

Instrument: 50HSS2.1
 Operator: SN
 Column diameter: 0.25

\\192.168.50.6\chem\50HSS2.1\062414.B\11163321.d



Date : 24-JUN-2014 16:52

Client ID: MBLCS

Instrument: 50MSS2.i

Sample Info: 1116445

Volume Injected (uL): 1.0

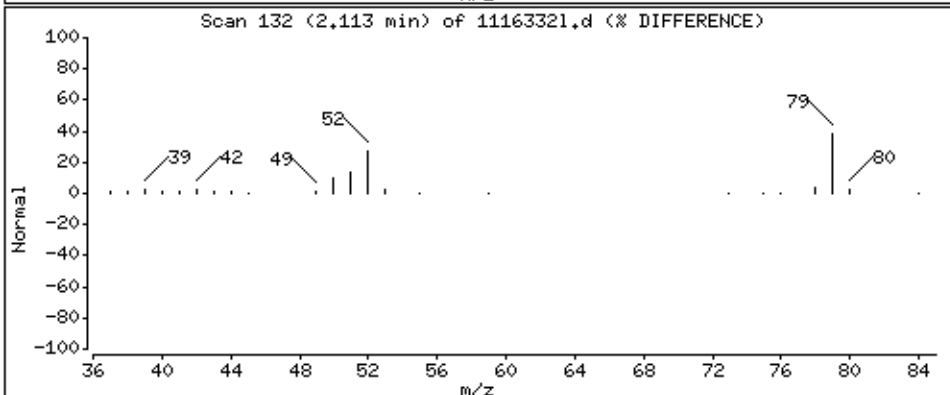
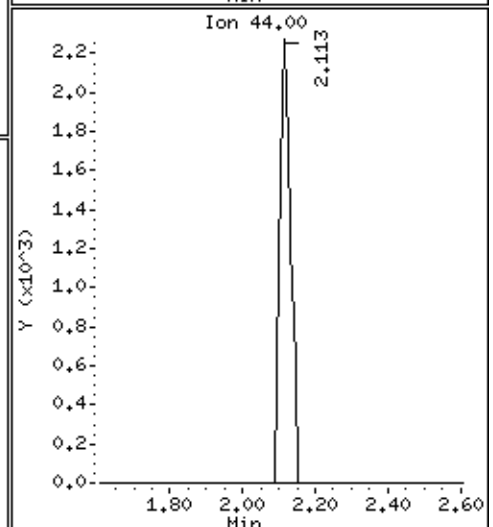
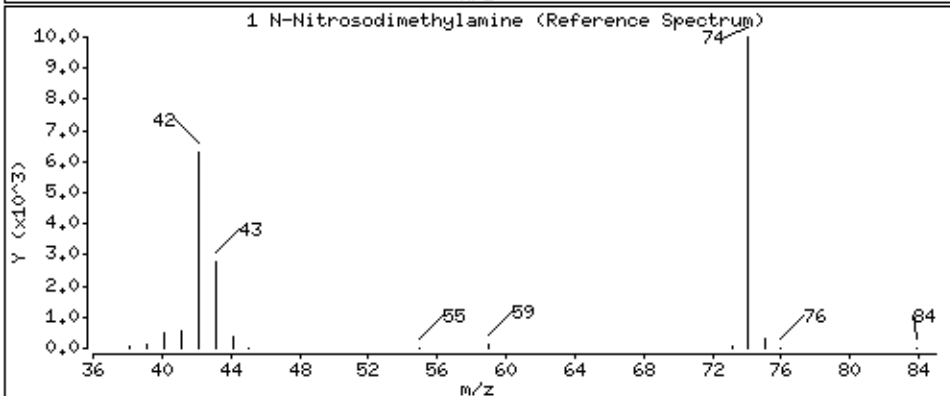
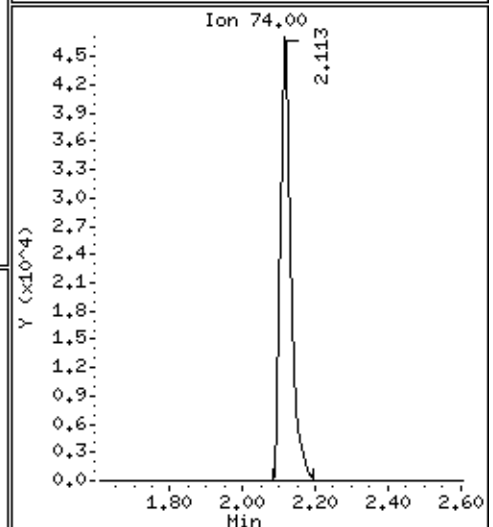
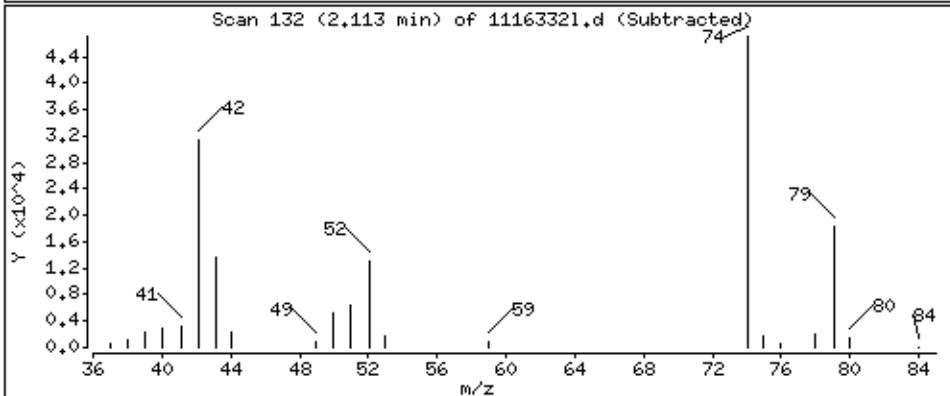
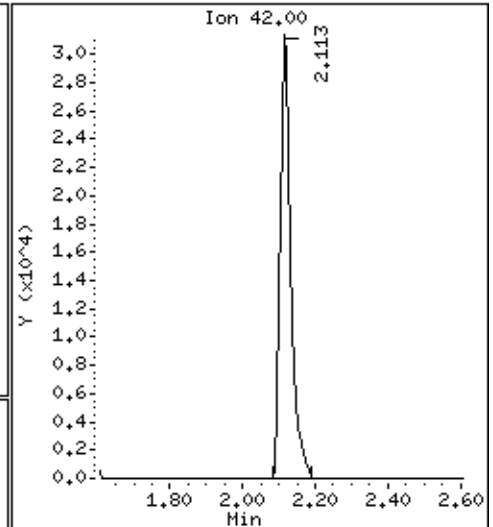
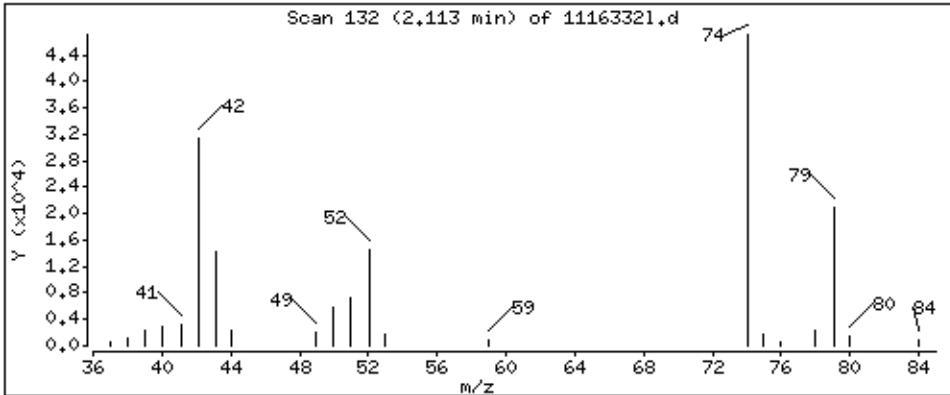
Operator: SN

Column phase: .50um DB-5ms

Column diameter: 0,25

1 N-Nitrosodimethylamine

Concentration: 32,52 ug/L



Date : 24-JUN-2014 16:52

Client ID: MBLCS

Instrument: 50MSS2.i

Sample Info: 1116445

Volume Injected (uL): 1.0

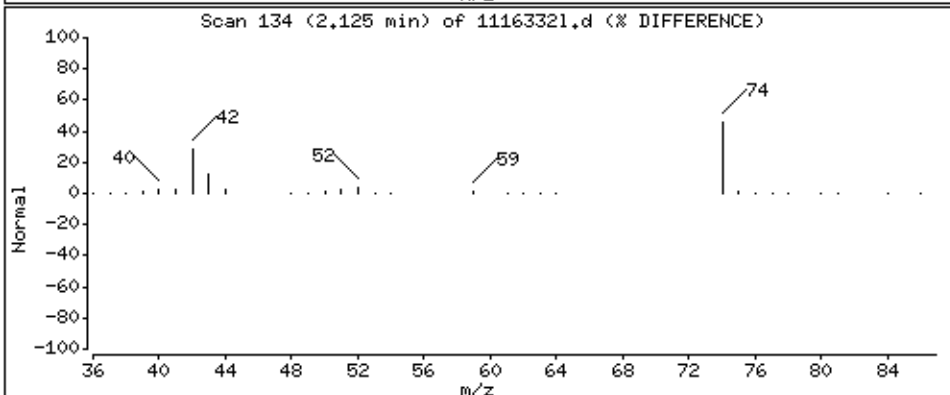
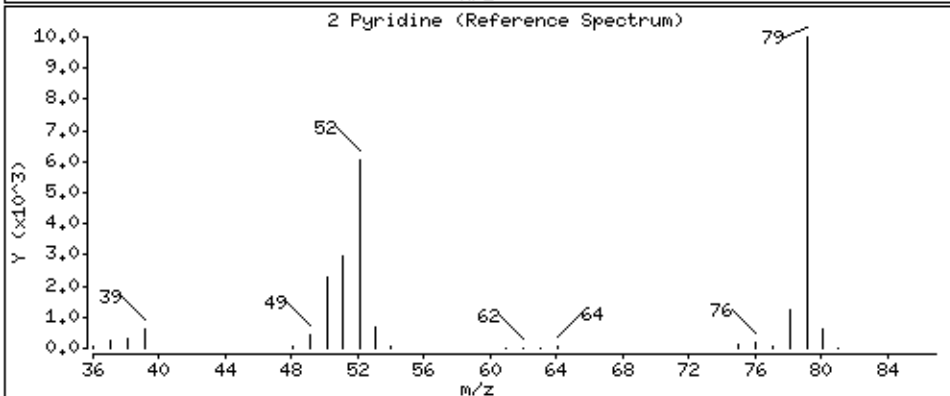
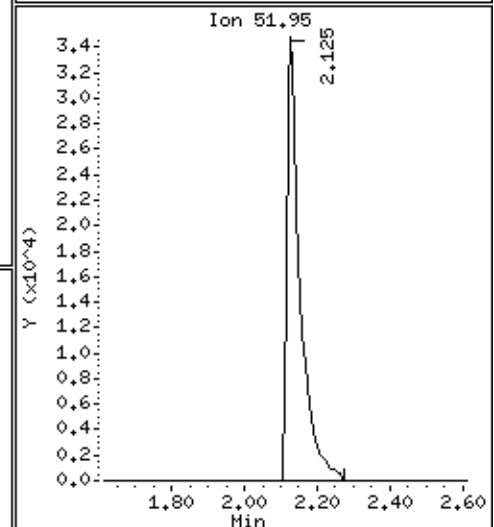
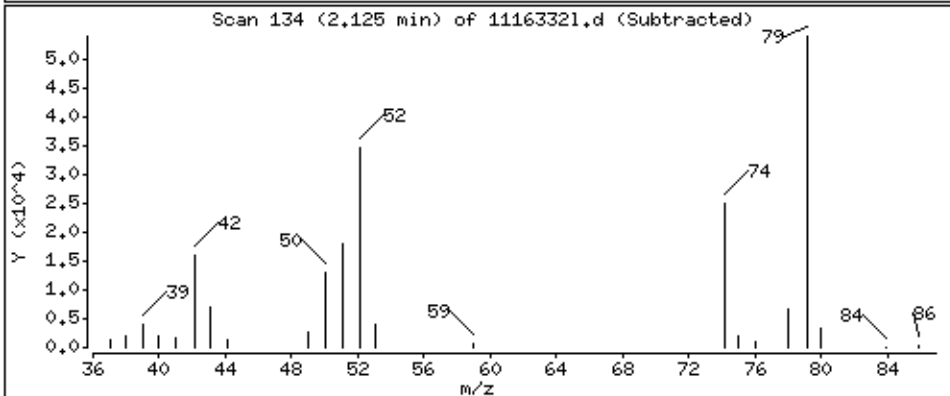
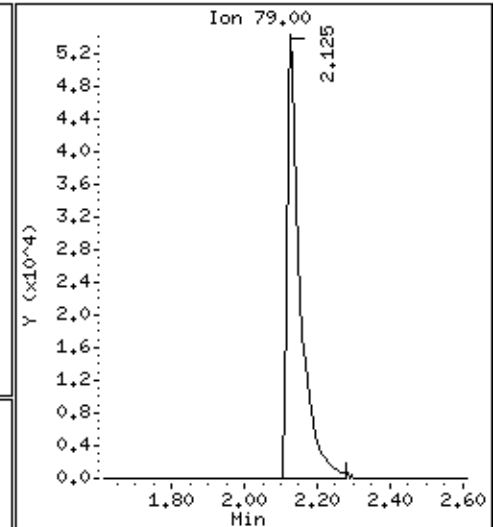
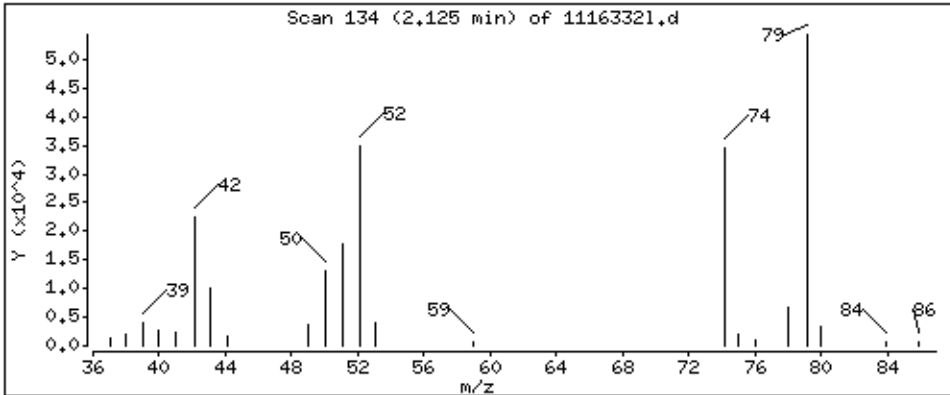
Operator: SN

Column phase: .50um DB-5ms

Column diameter: 0,25

2 Pyridine

Concentration: 27,99 ug/L



Date : 24-JUN-2014 16:52

Client ID: MBLCS

Instrument: 50MSS2.i

Sample Info: 1116445

Volume Injected (uL): 1.0

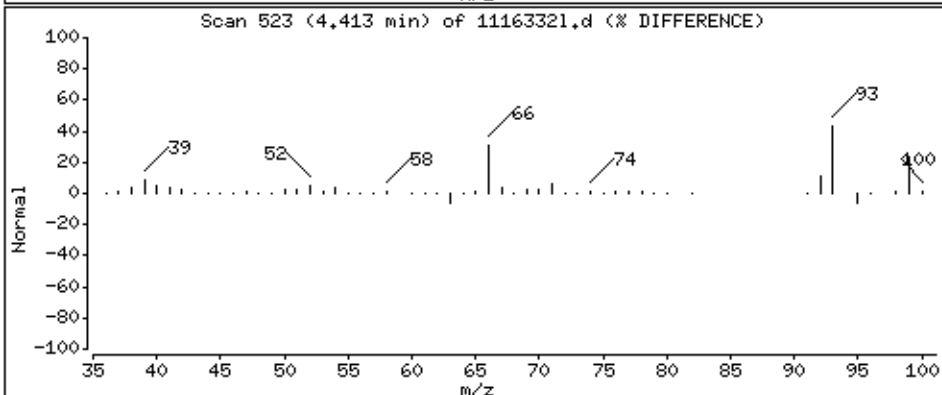
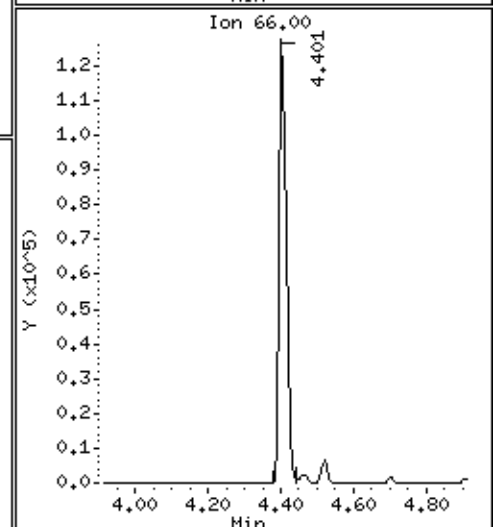
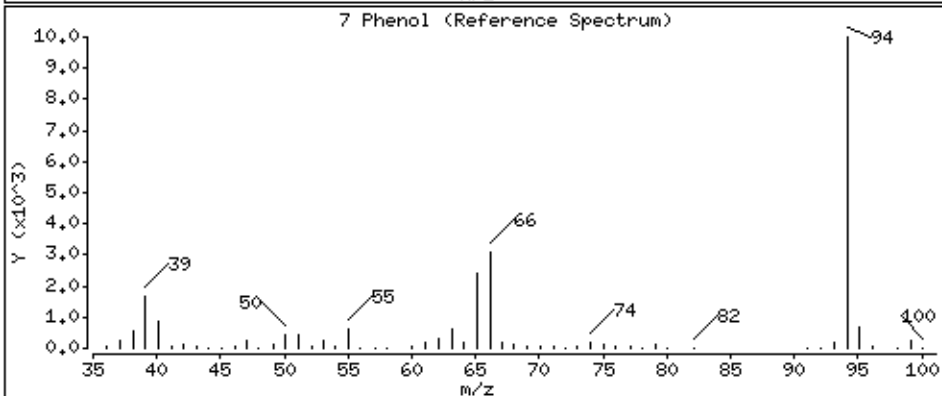
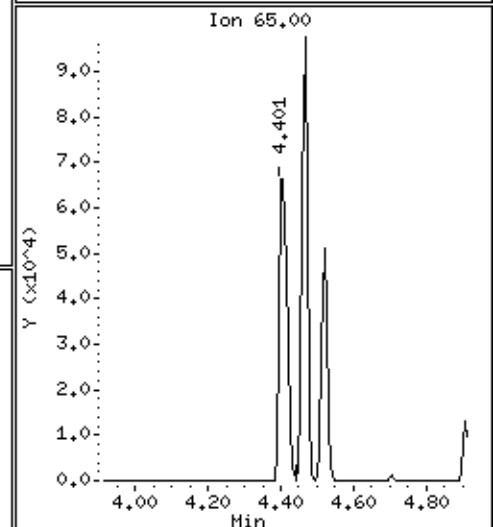
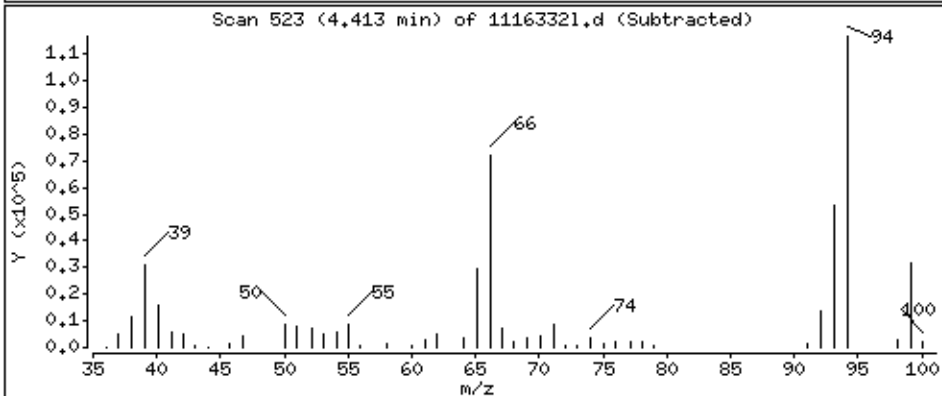
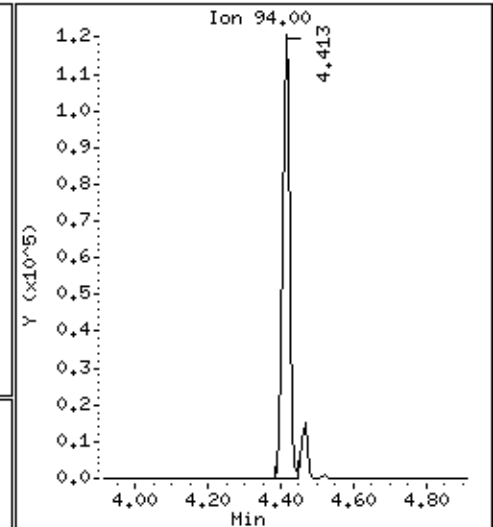
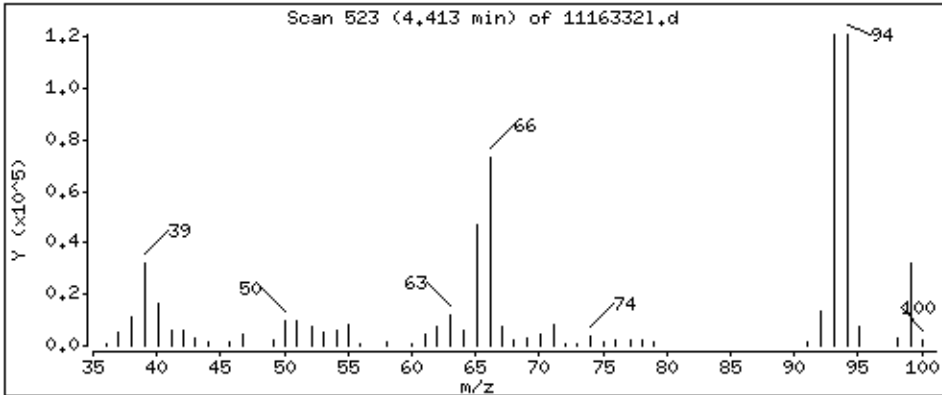
Operator: SN

Column phase: .50um DB-5ms

Column diameter: 0,25

7 Phenol

Concentration: 23,64 ug/L



Date : 24-JUN-2014 16:52

Client ID: MBLCS

Instrument: 50MSS2.i

Sample Info: 1116445

Volume Injected (uL): 1.0

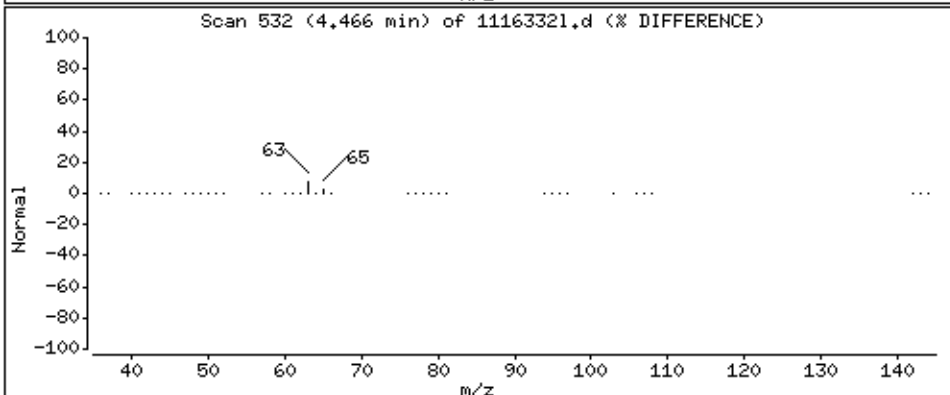
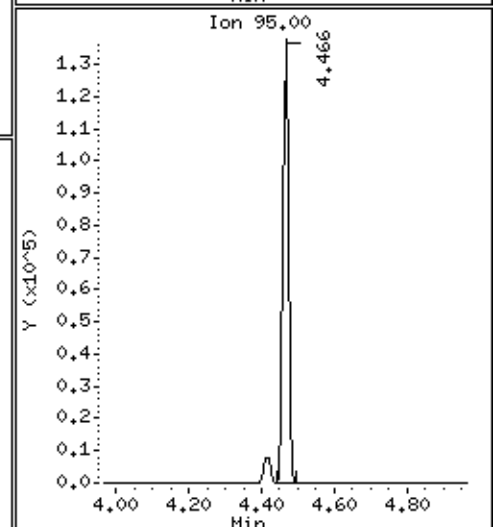
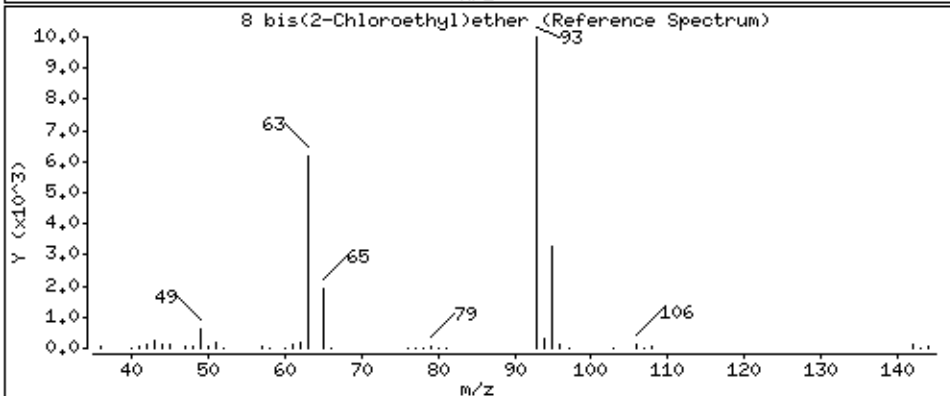
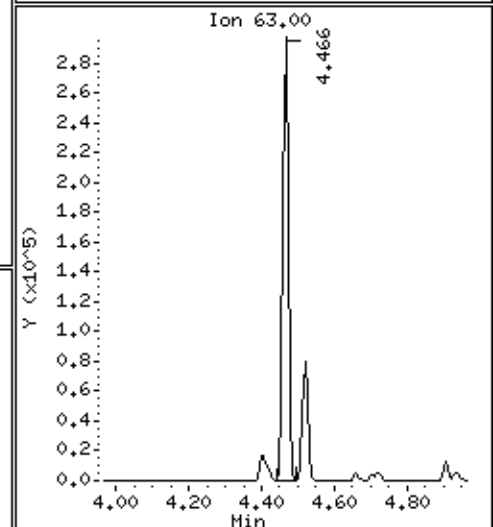
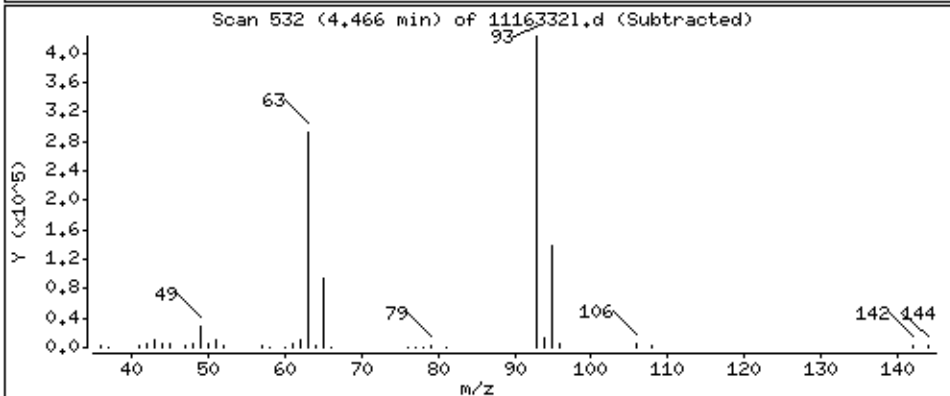
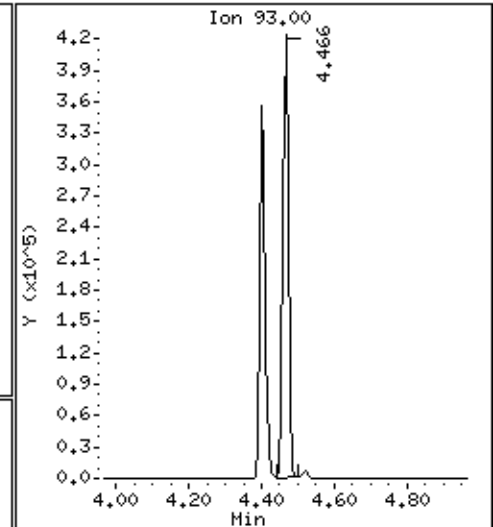
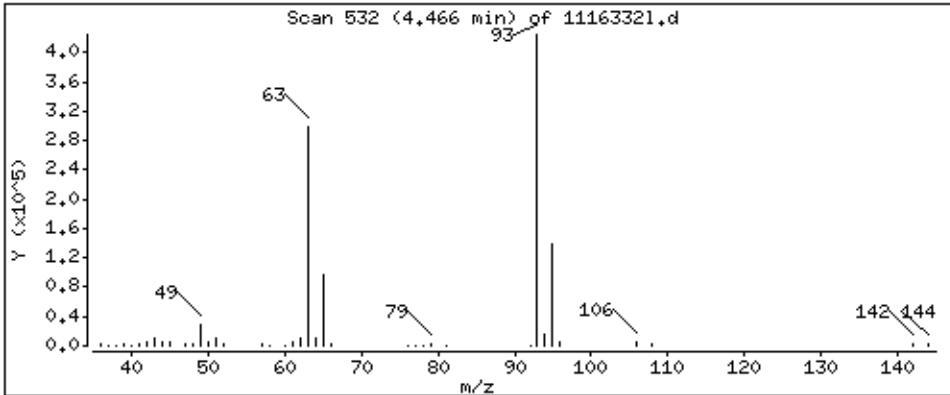
Operator: SN

Column phase: .50um DB-5ms

Column diameter: 0,25

8 bis(2-Chloroethyl)ether

Concentration: 87,72 ug/L



Date : 24-JUN-2014 16:52

Client ID: MBLCS

Instrument: 50MSS2.i

Sample Info: 1116445

Volume Injected (uL): 1.0

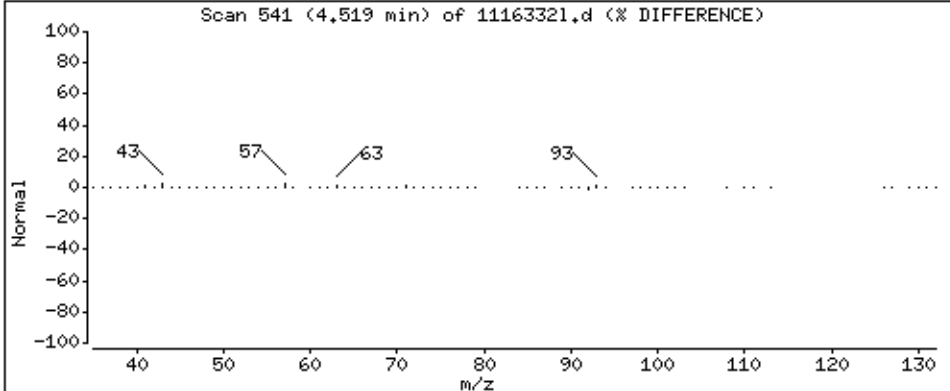
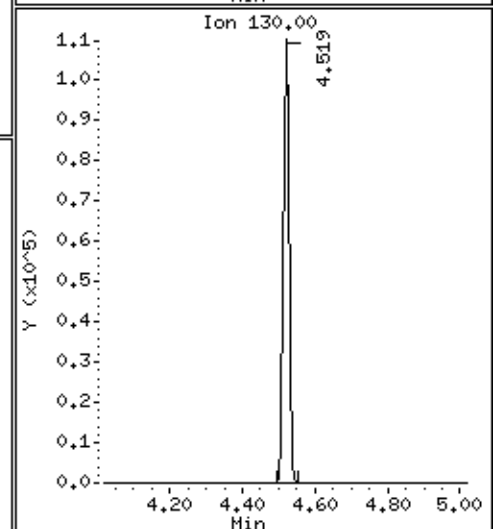
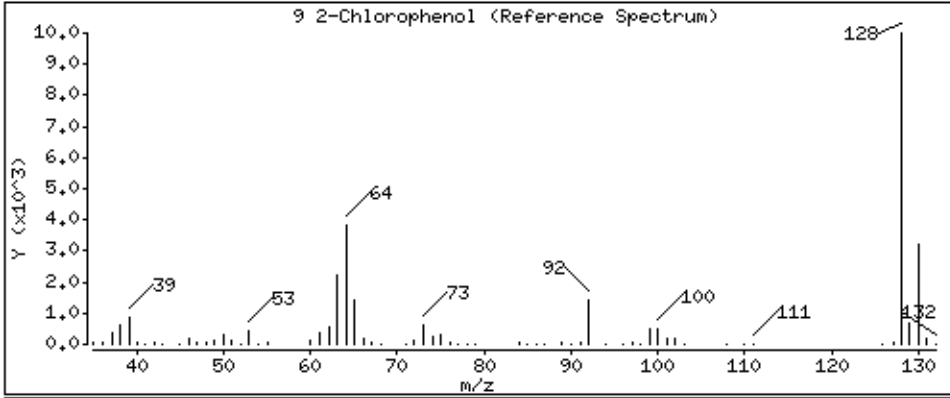
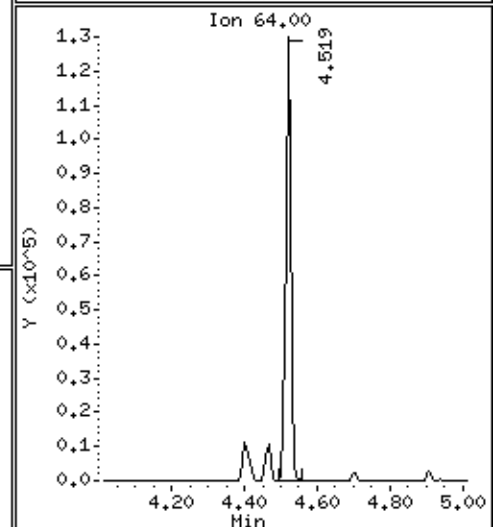
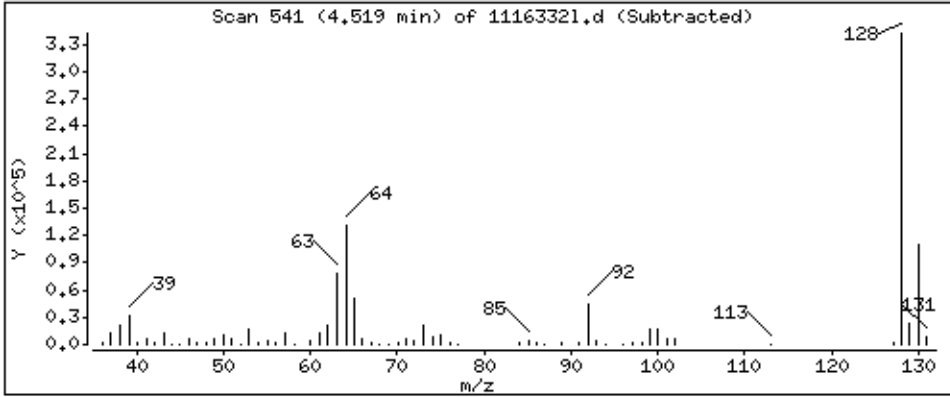
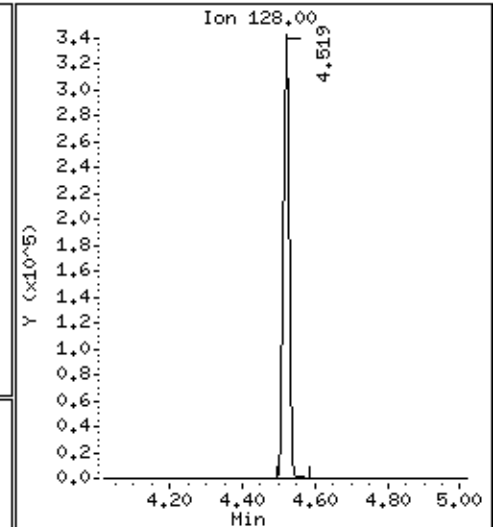
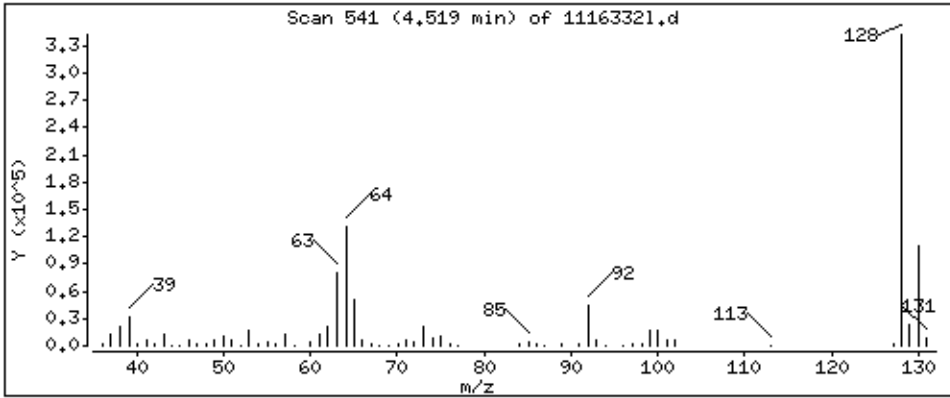
Operator: SN

Column phase: .50um DB-5ms

Column diameter: 0,25

9 2-Chlorophenol

Concentration: 60,11 ug/L



Date : 24-JUN-2014 16:52

Client ID: MBLCS

Instrument: 50MSS2.i

Sample Info: 1116445

Volume Injected (uL): 1.0

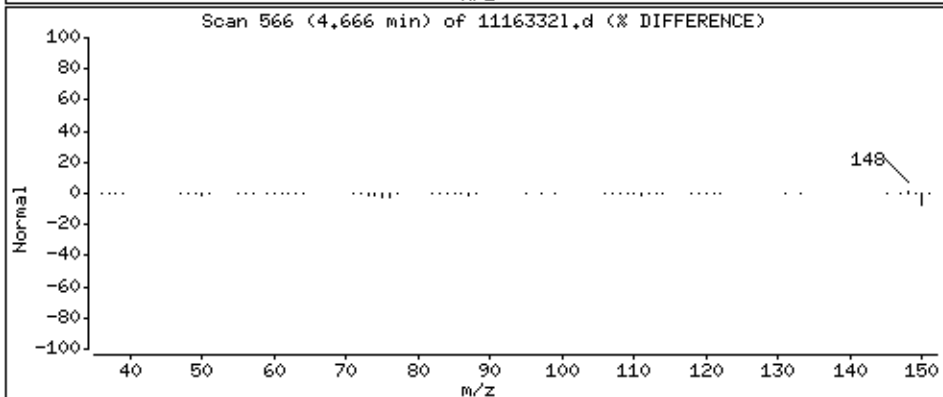
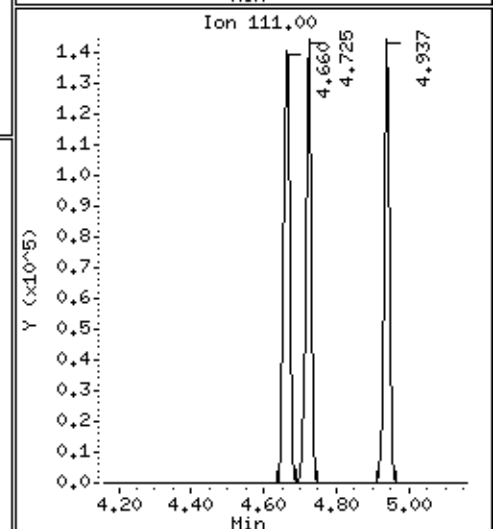
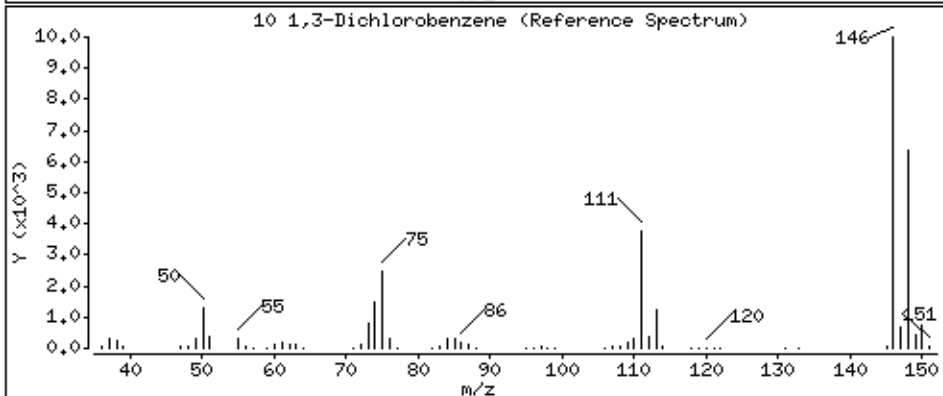
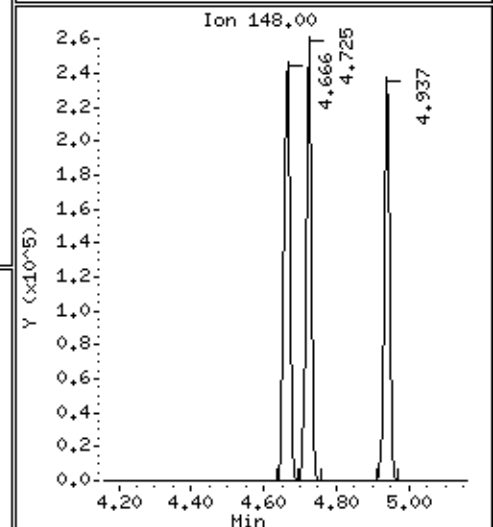
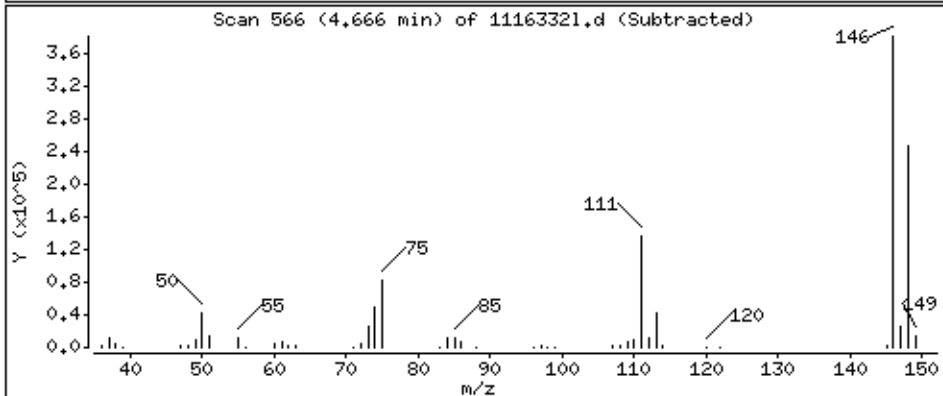
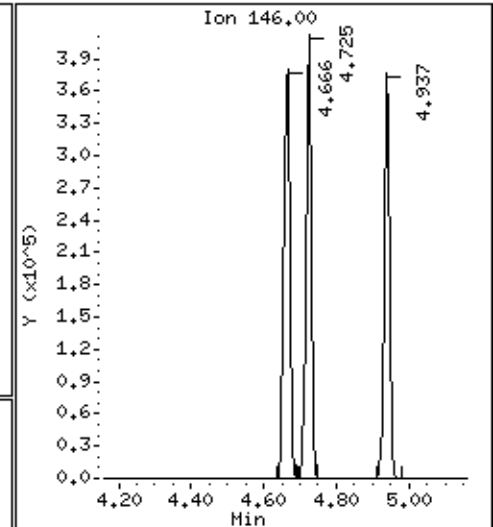
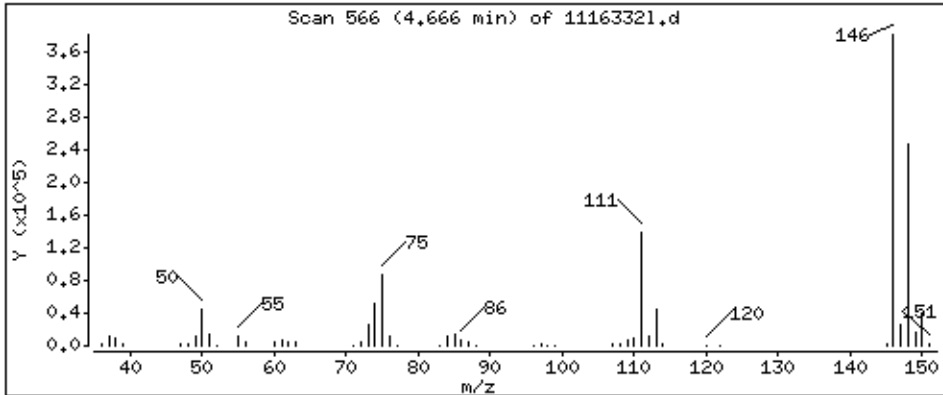
Operator: SN

Column phase: .50um DB-5ms

Column diameter: 0,25

10 1,3-Dichlorobenzene

Concentration: 65,33 ug/L



Date : 24-JUN-2014 16:52

Client ID: MBLCS

Instrument: 50MSS2.i

Sample Info: 1116445

Volume Injected (uL): 1.0

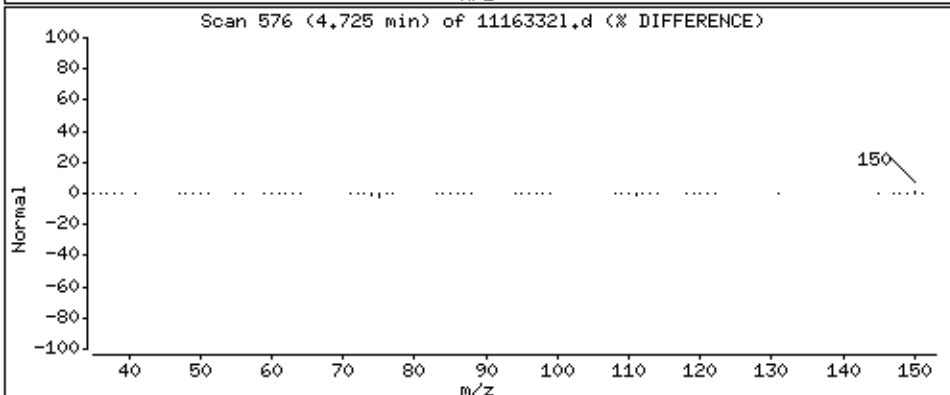
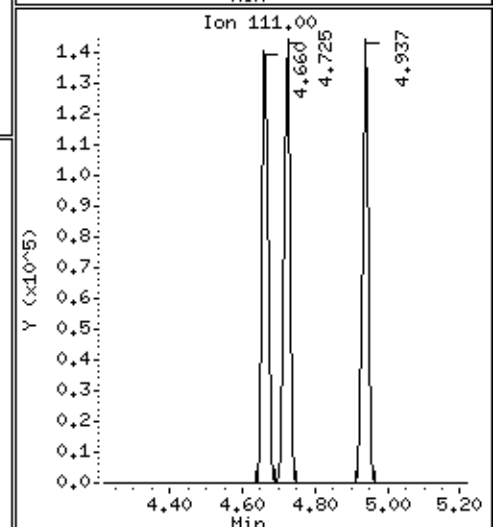
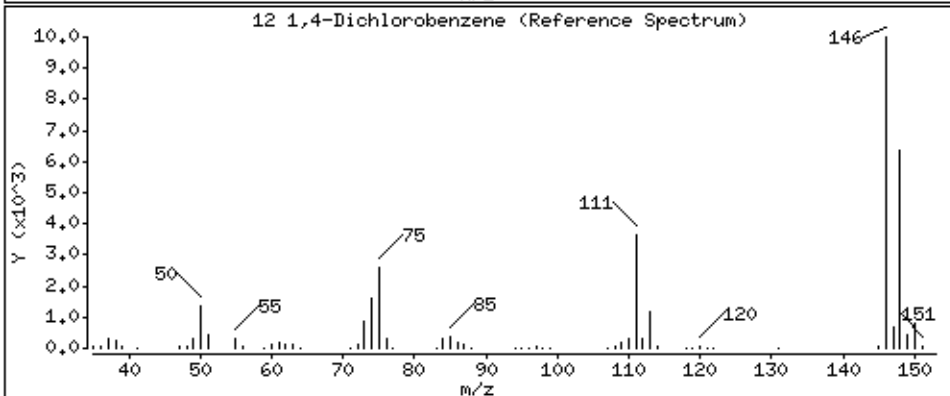
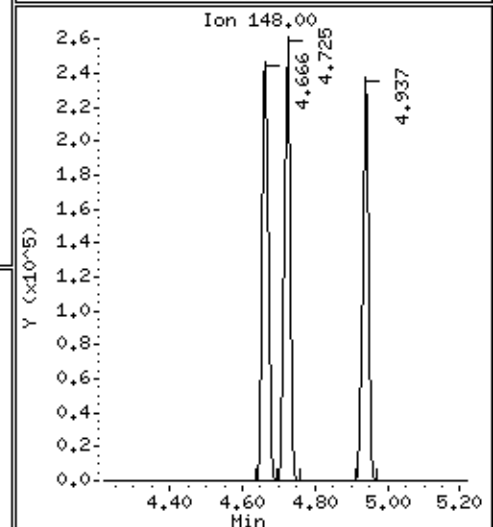
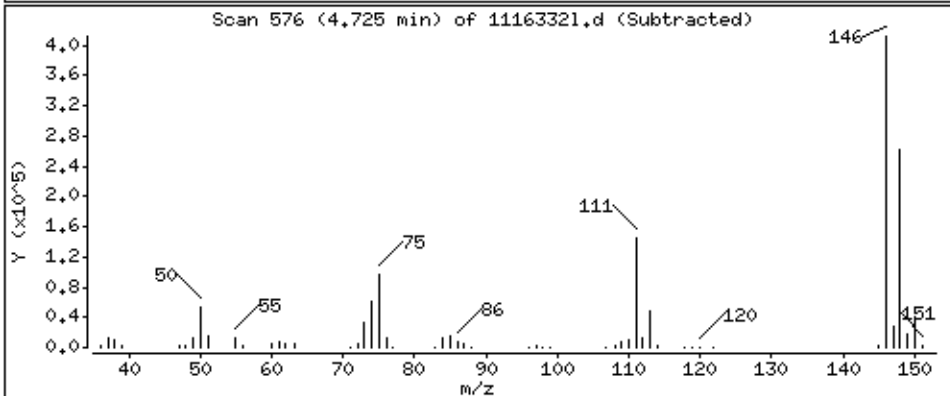
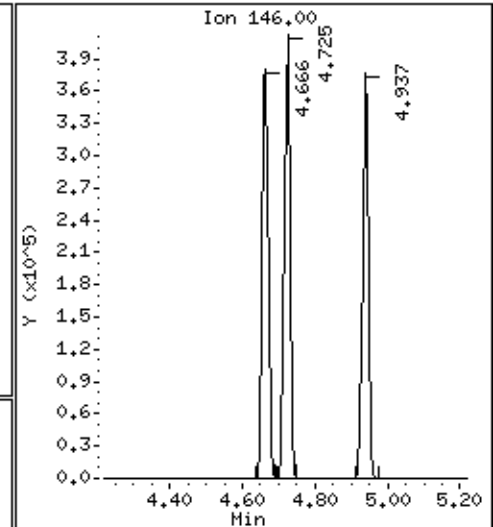
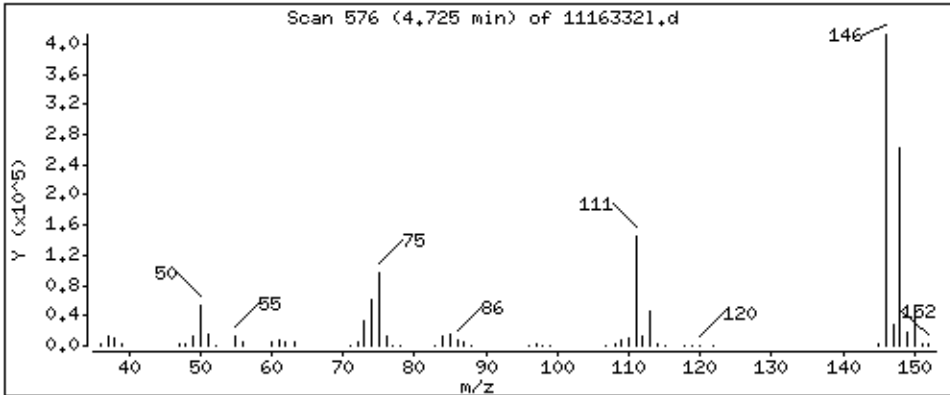
Operator: SN

Column phase: .50um DB-5ms

Column diameter: 0,25

12 1,4-Dichlorobenzene

Concentration: 66,93 ug/L



Date : 24-JUN-2014 16:52

Client ID: MBLCS

Instrument: 50MSS2.i

Sample Info: 1116445

Volume Injected (uL): 1.0

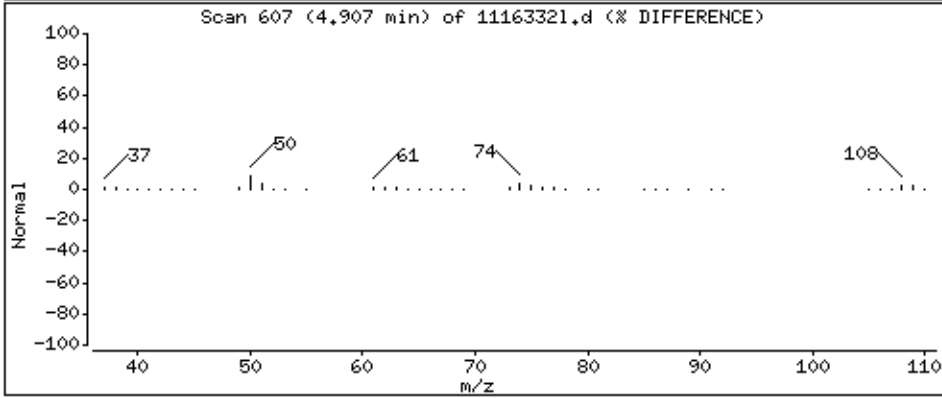
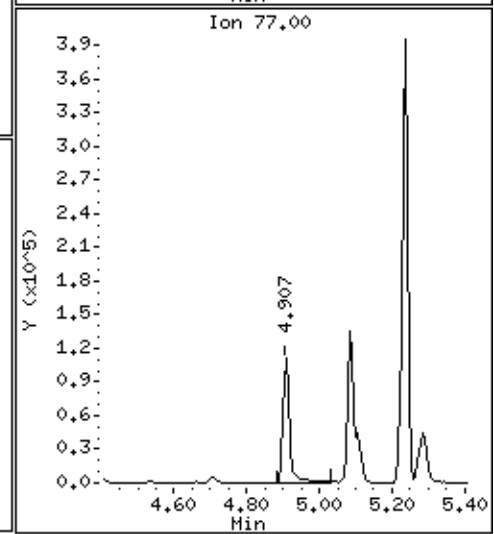
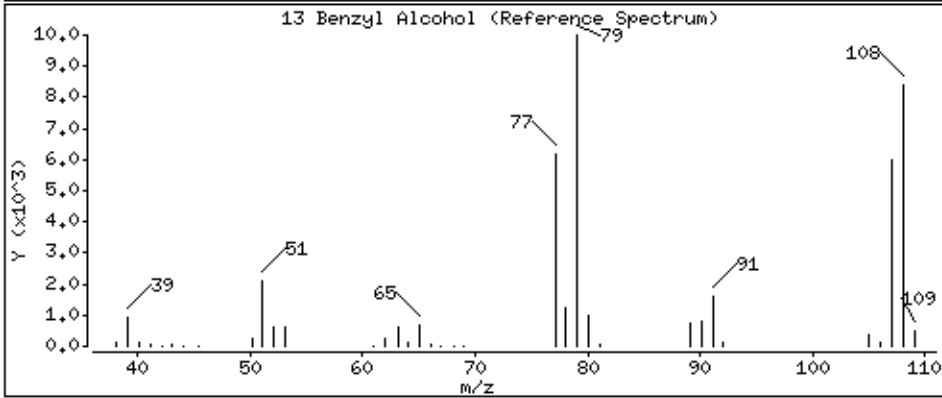
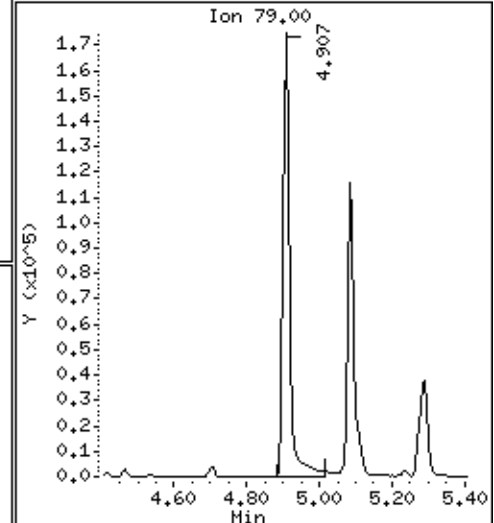
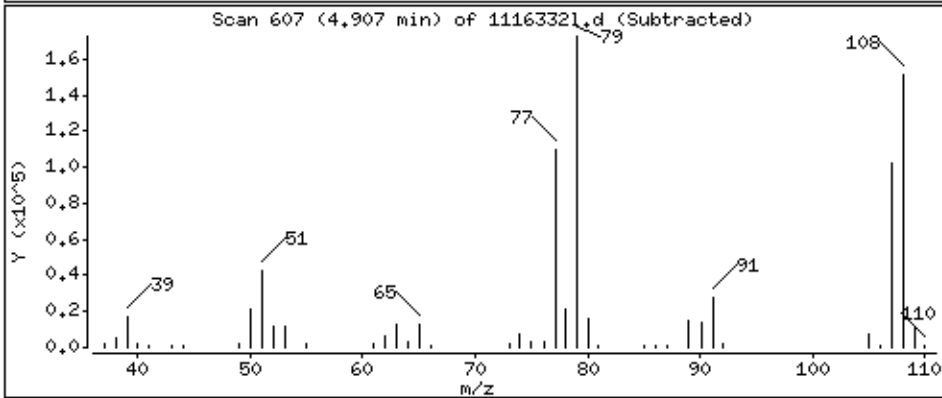
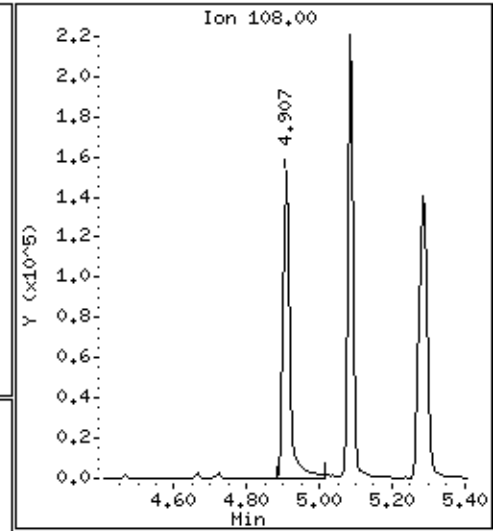
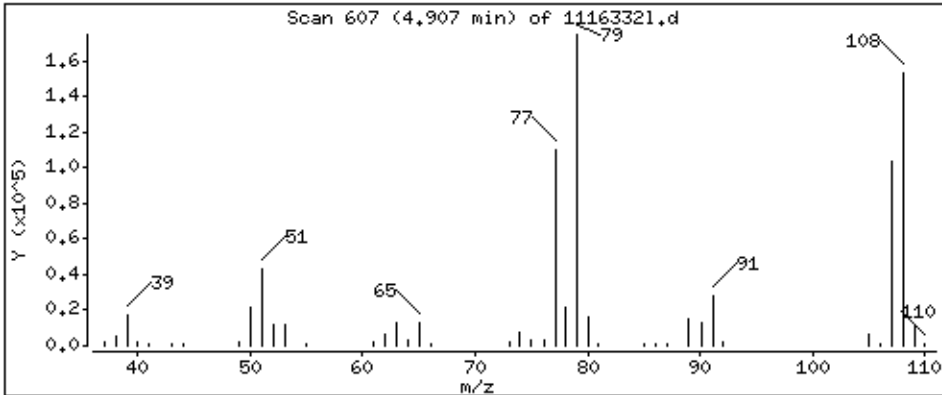
Operator: SN

Column phase: .50um DB-5ms

Column diameter: 0,25

13 Benzyl Alcohol

Concentration: 54,83 ug/L



Date : 24-JUN-2014 16:52

Client ID: MBLCS

Instrument: 50MSS2.i

Sample Info: 1116445

Volume Injected (uL): 1.0

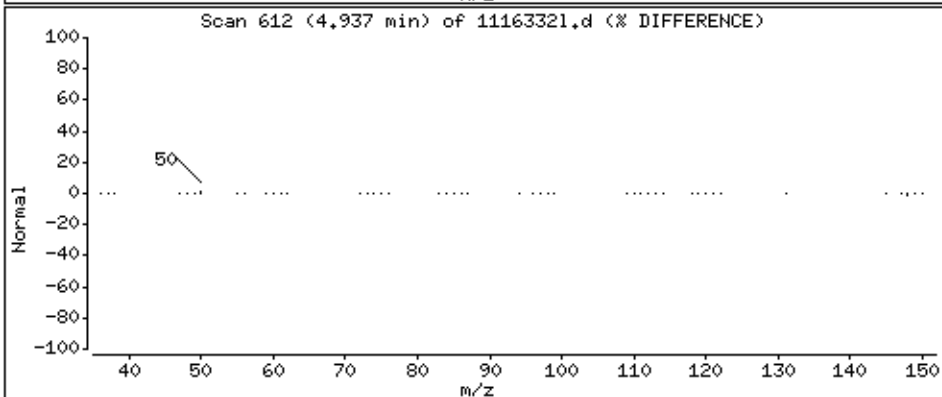
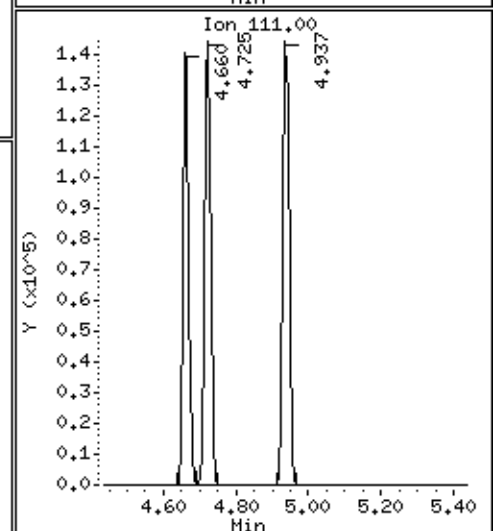
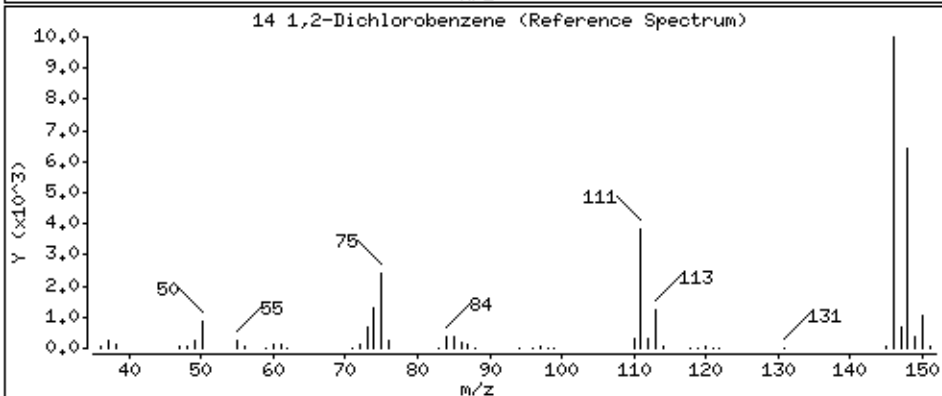
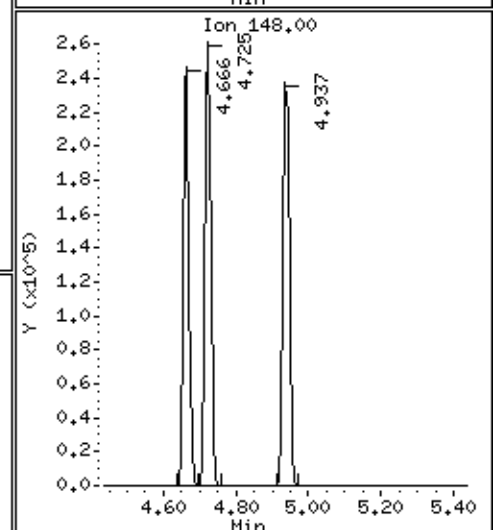
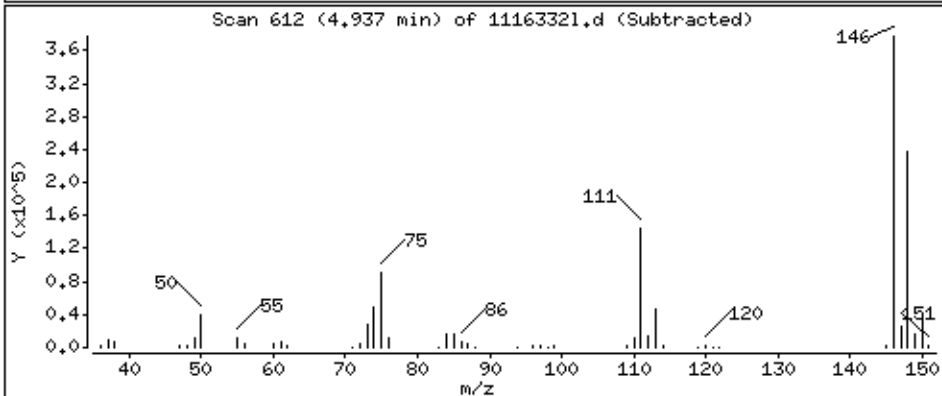
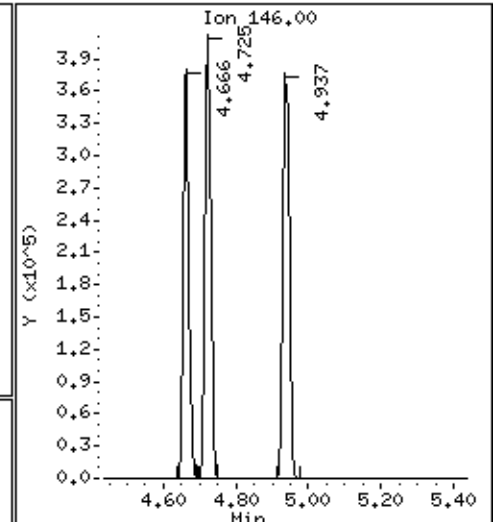
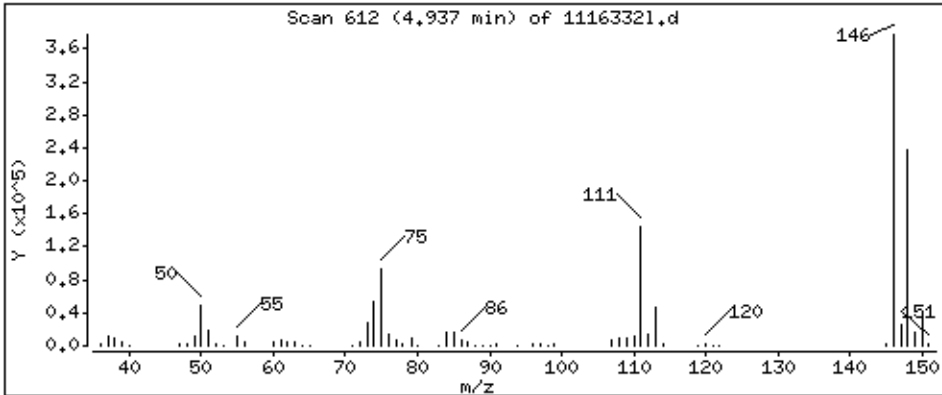
Operator: SN

Column phase: .50um DB-5ms

Column diameter: 0,25

14 1,2-Dichlorobenzene

Concentration: 68,08 ug/L



Date : 24-JUN-2014 16:52

Client ID: MBLCS

Instrument: 50MSS2.i

Sample Info: 1116445

Volume Injected (uL): 1.0

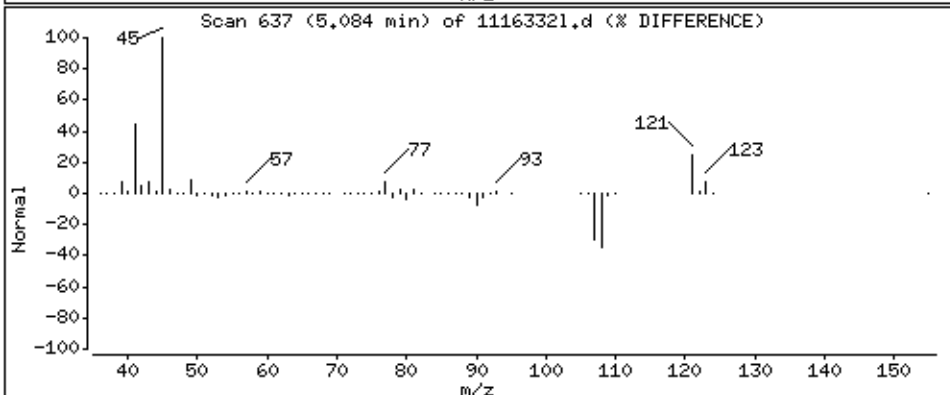
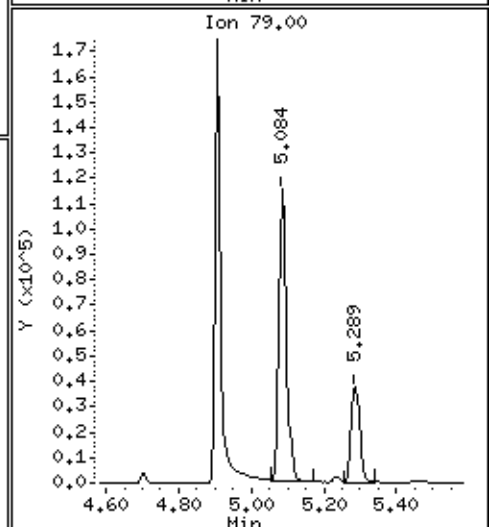
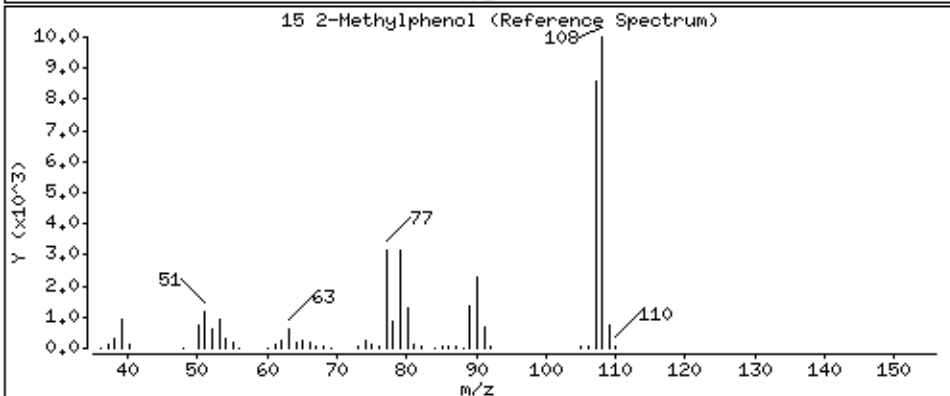
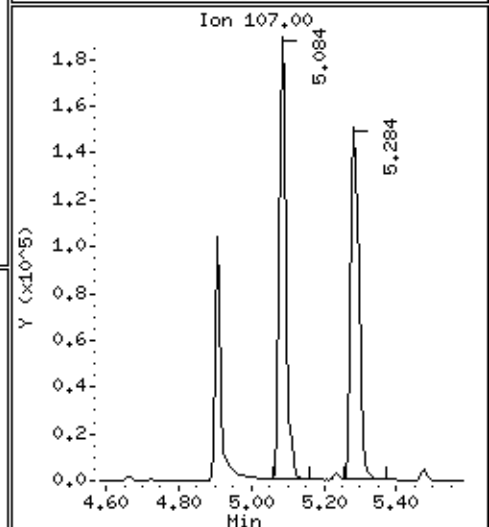
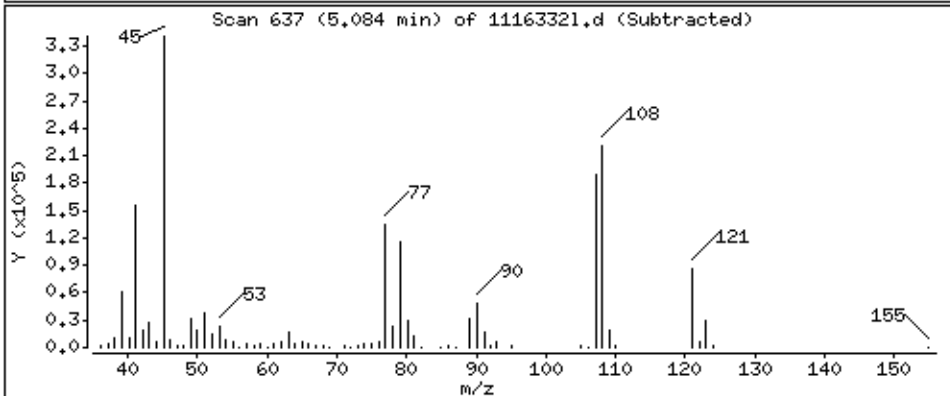
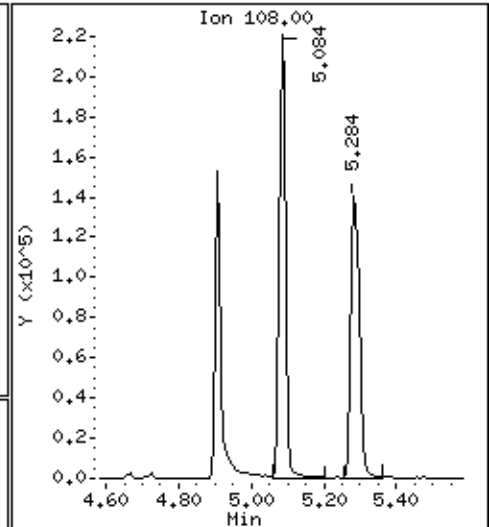
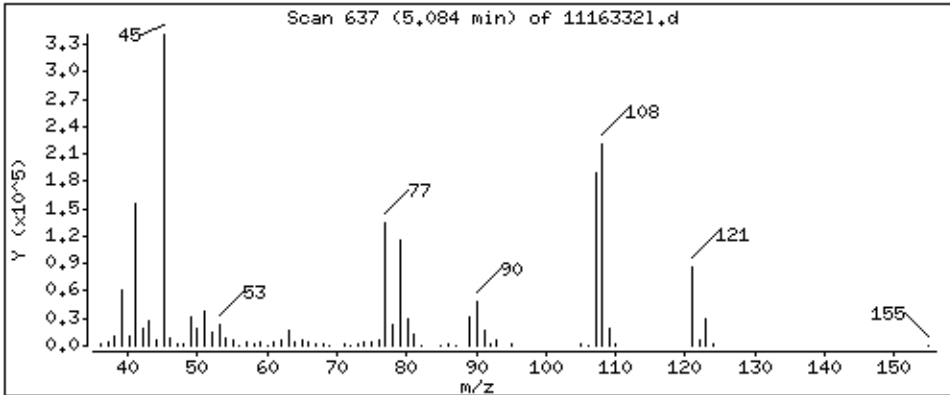
Operator: SN

Column phase: .50um DB-5ms

Column diameter: 0,25

15 2-Methylphenol

Concentration: 52,88 ug/L



Date : 24-JUN-2014 16:52

Client ID: MBLCS

Instrument: 50MSS2.i

Sample Info: 1116445

Volume Injected (uL): 1.0

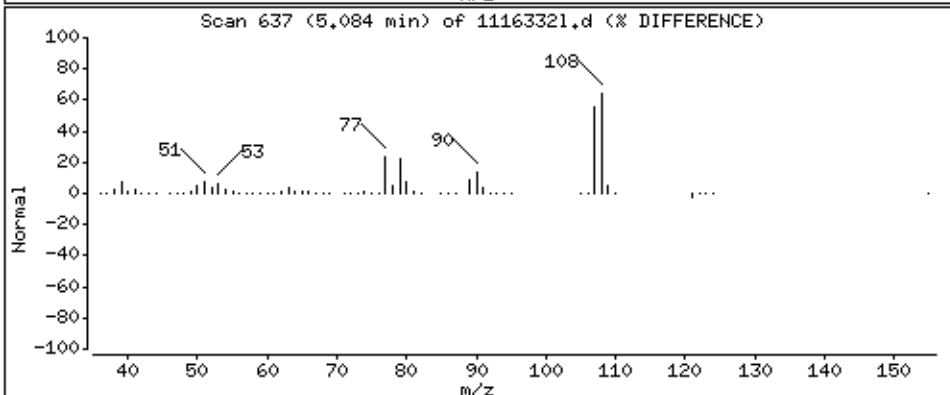
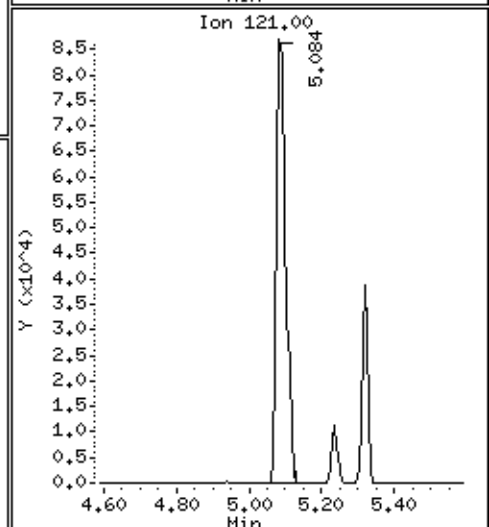
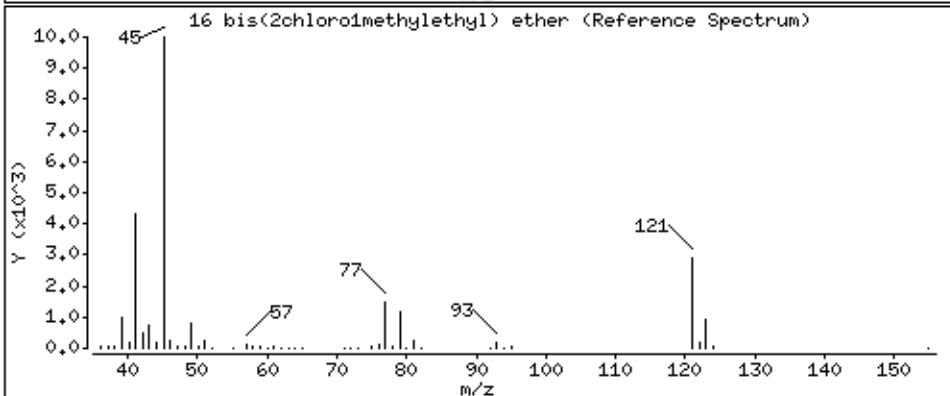
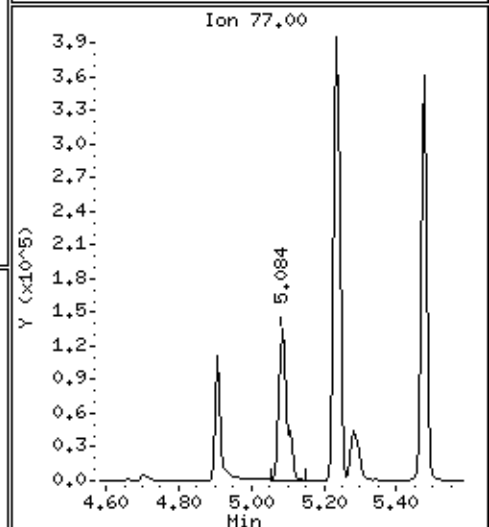
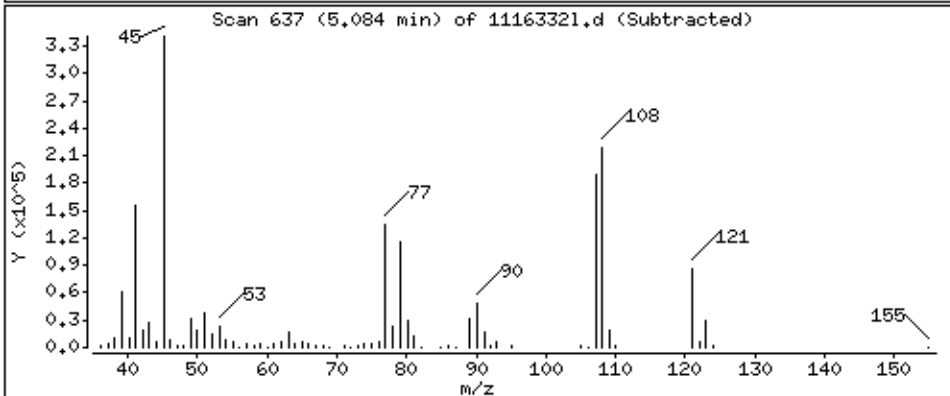
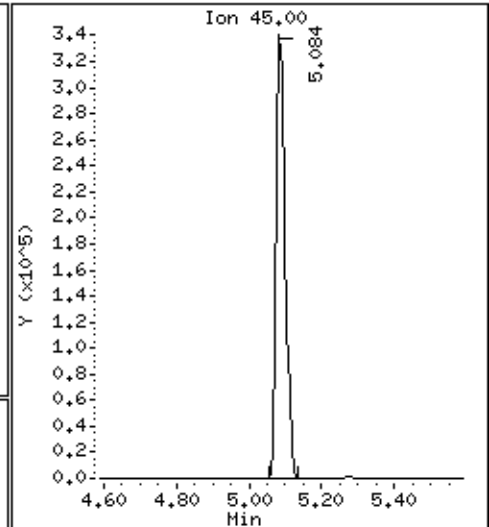
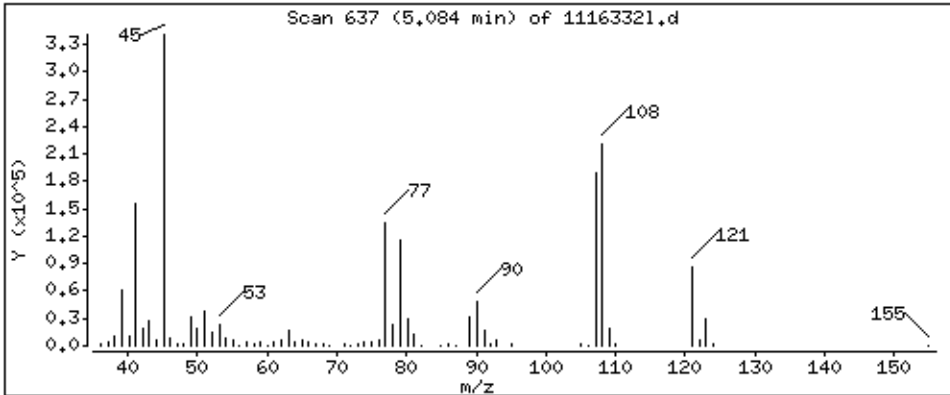
Operator: SN

Column phase: .50um DB-5ms

Column diameter: 0,25

16 bis(2chloromethylethyl) ether

Concentration: 96,48 ug/L



Date : 24-JUN-2014 16:52

Client ID: MBLCS

Instrument: 50MSS2.i

Sample Info: 1116445

Volume Injected (uL): 1.0

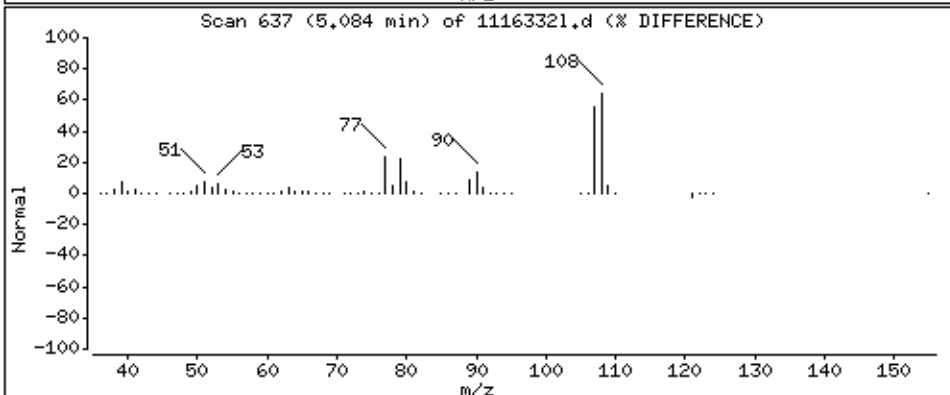
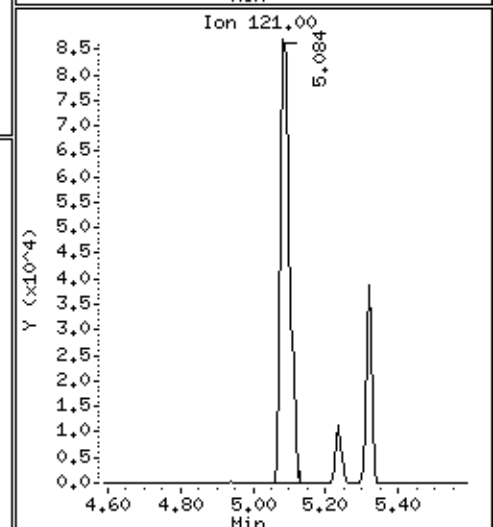
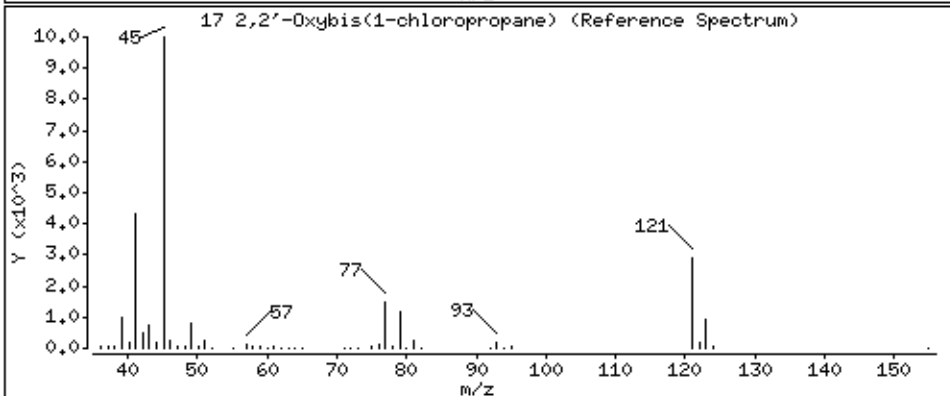
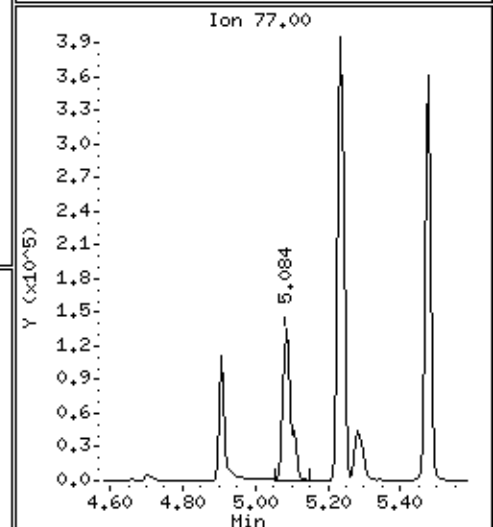
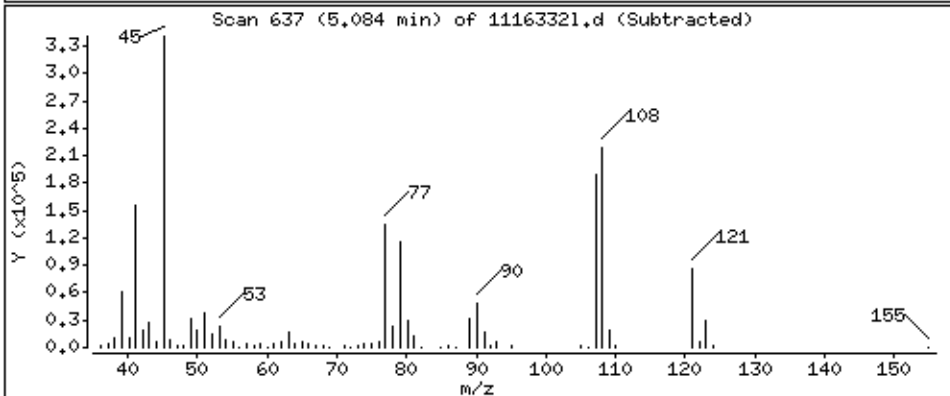
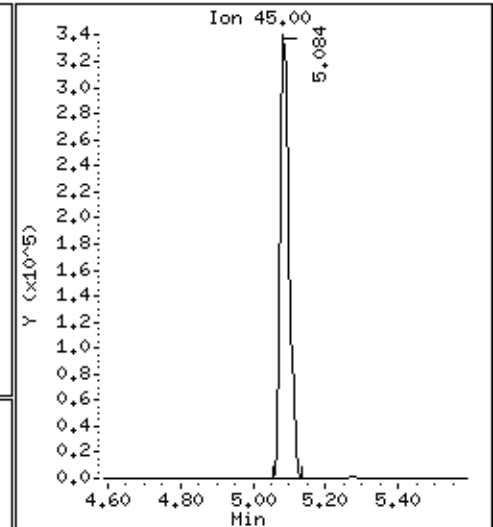
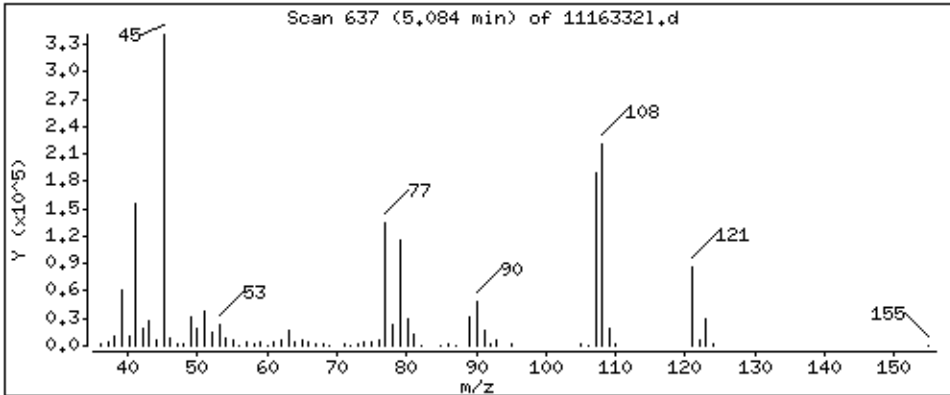
Operator: SN

Column phase: .50um DB-5ms

Column diameter: 0,25

17 2,2'-Oxybis(1-chloropropane)

Concentration: 96,48 ug/L



Date : 24-JUN-2014 16:52

Client ID: MBLCS

Instrument: 50MSS2.i

Sample Info: 1116445

Volume Injected (uL): 1.0

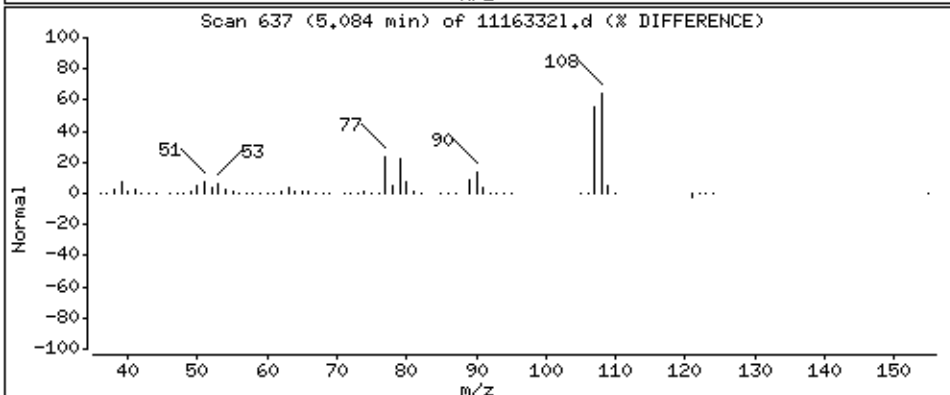
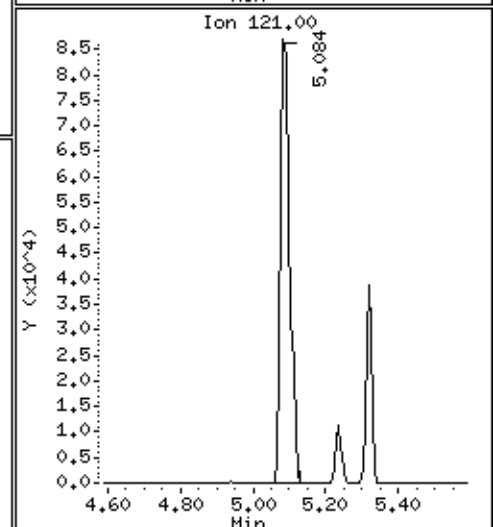
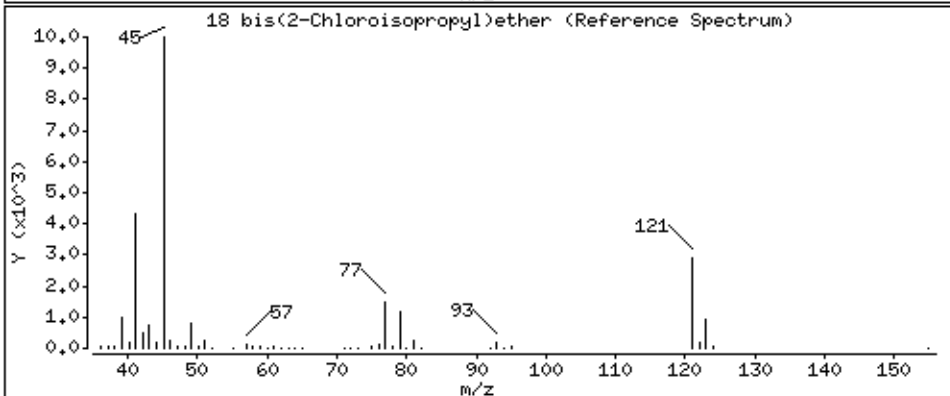
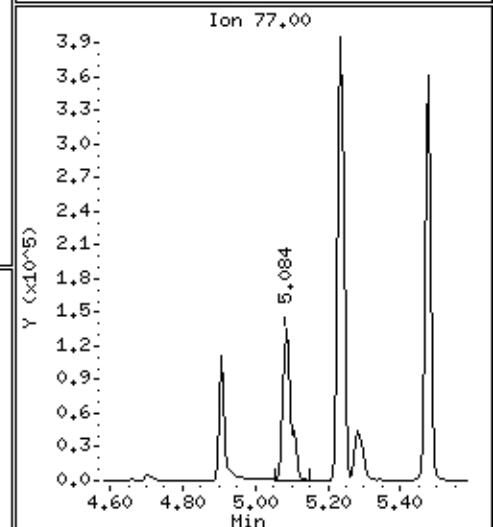
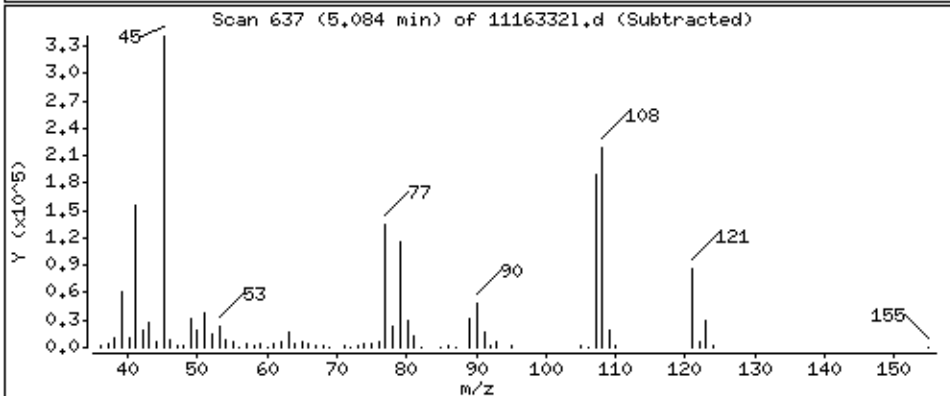
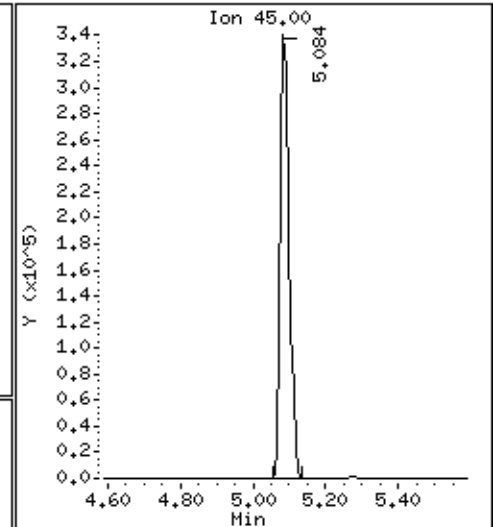
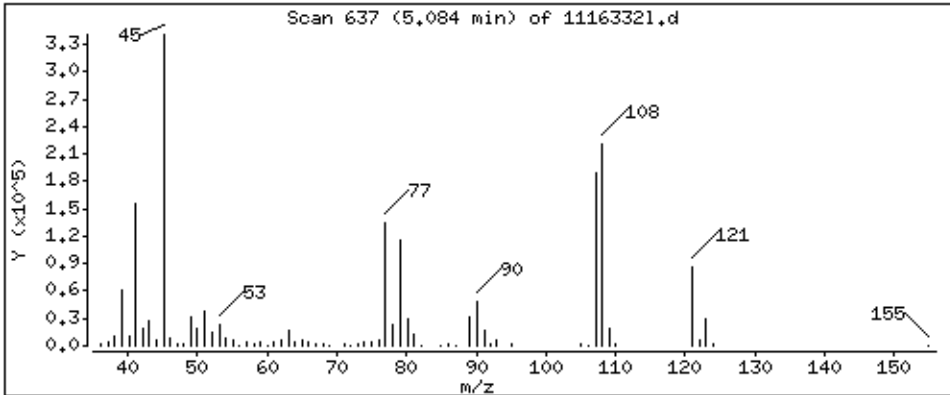
Operator: SN

Column phase: .50um DB-5ms

Column diameter: 0,25

18 bis(2-Chloroisopropyl)ether

Concentration: 96,48 ug/L



Date : 24-JUN-2014 16:52

Client ID: MBLCS

Instrument: 50MSS2.i

Sample Info: 1116445

Volume Injected (uL): 1.0

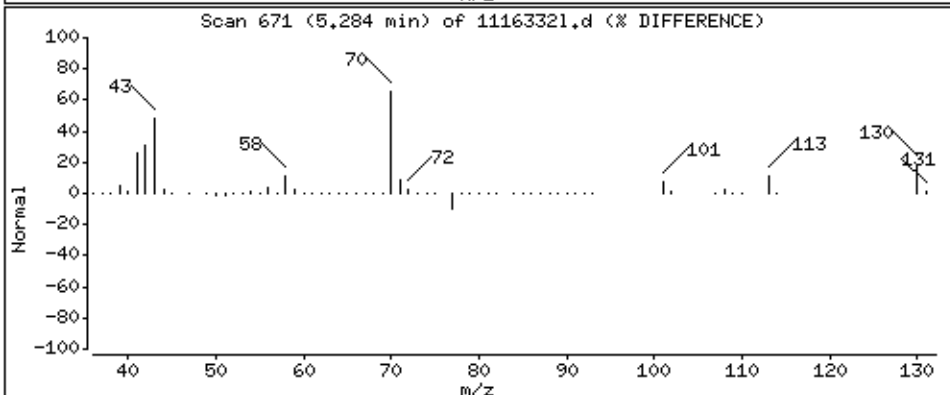
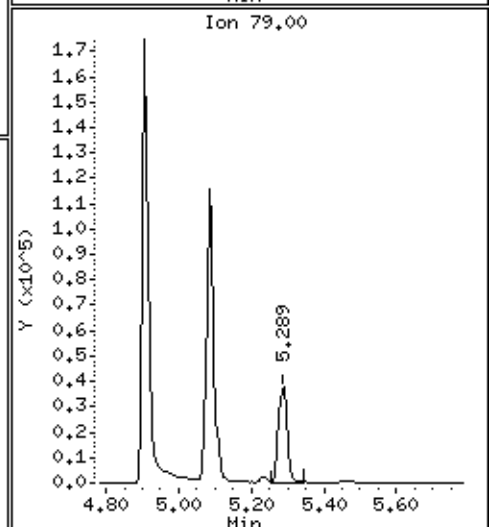
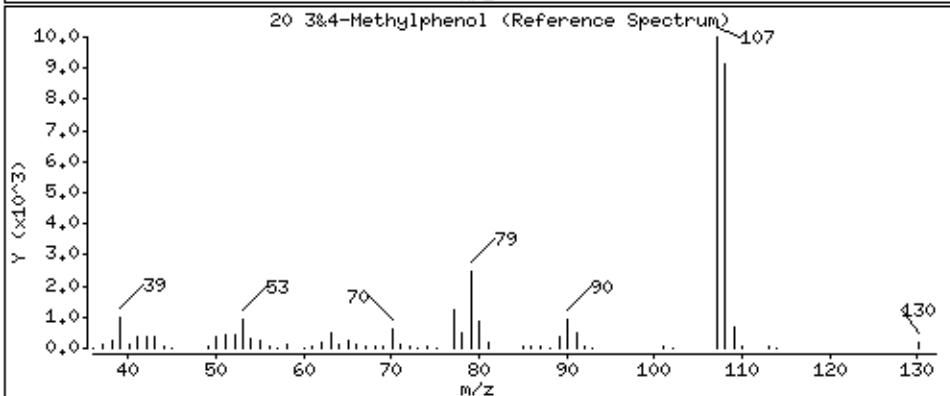
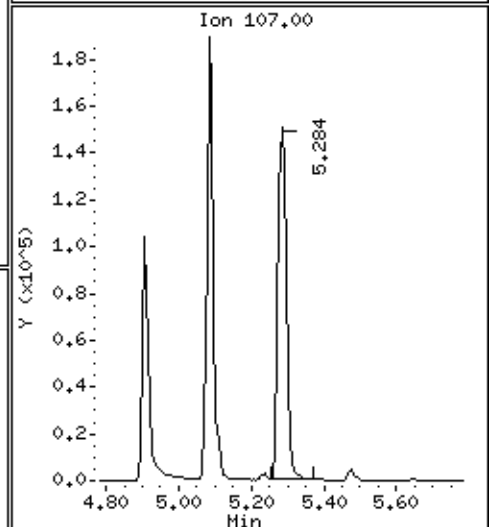
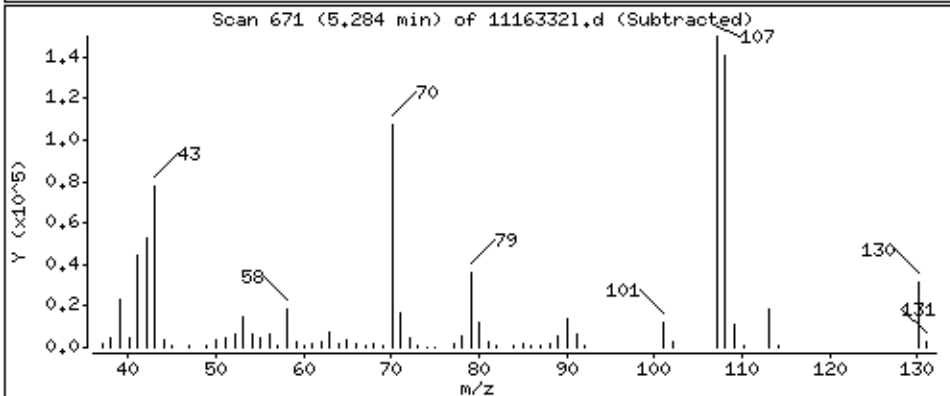
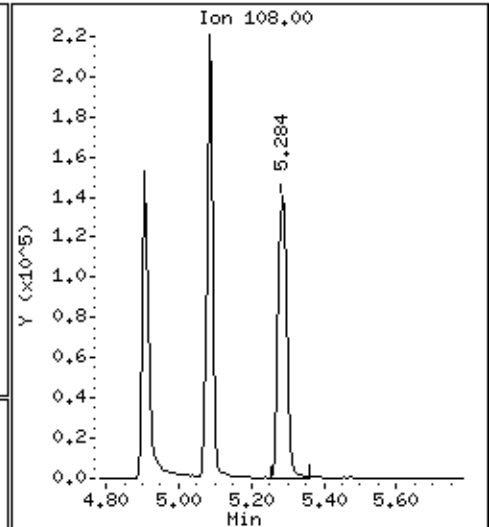
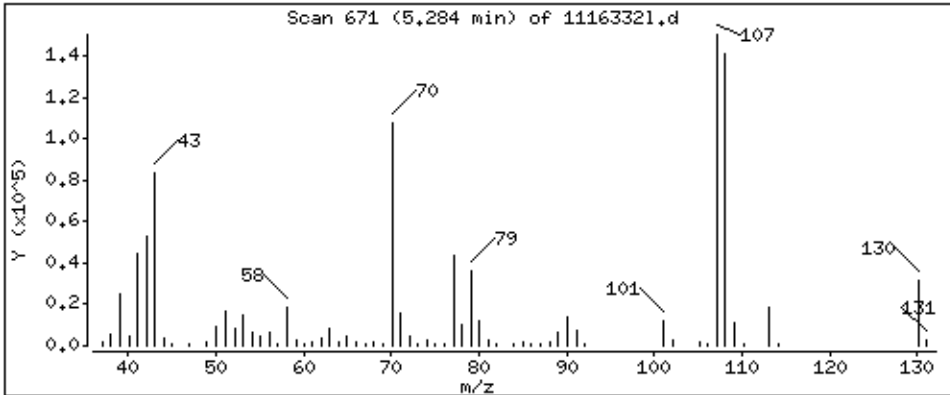
Operator: SN

Column phase: .50um DB-5ms

Column diameter: 0,25

20 3&4-Methylphenol

Concentration: 44,75 ug/L



Date : 24-JUN-2014 16:52

Client ID: MBLCS

Instrument: 50MSS2.i

Sample Info: 1116445

Volume Injected (uL): 1.0

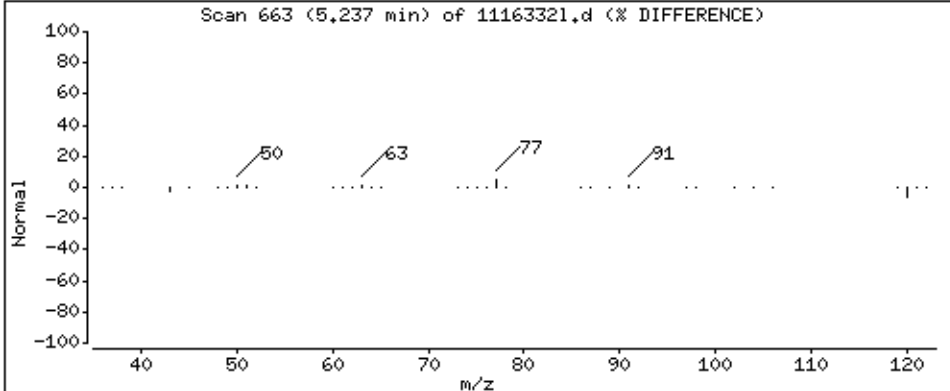
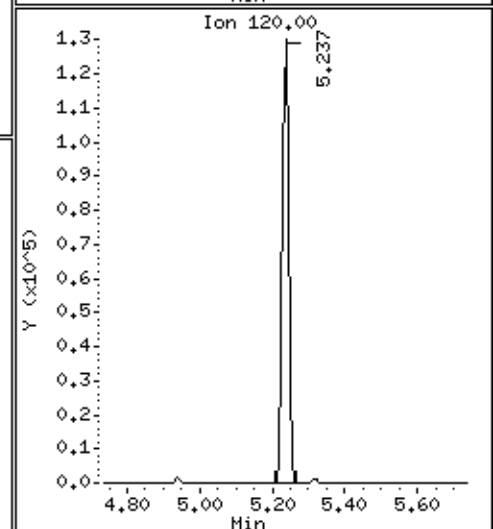
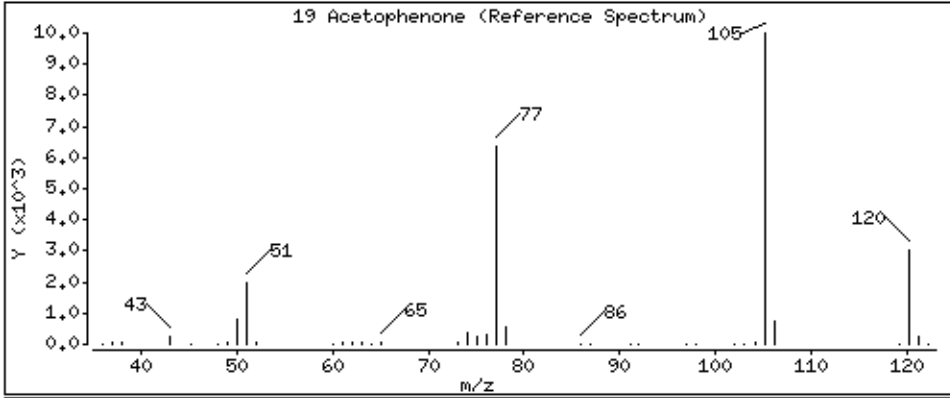
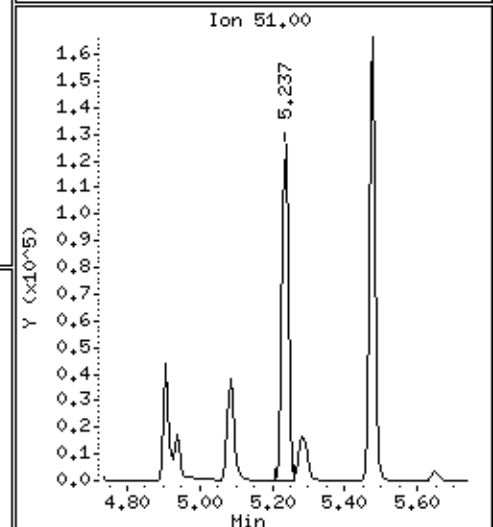
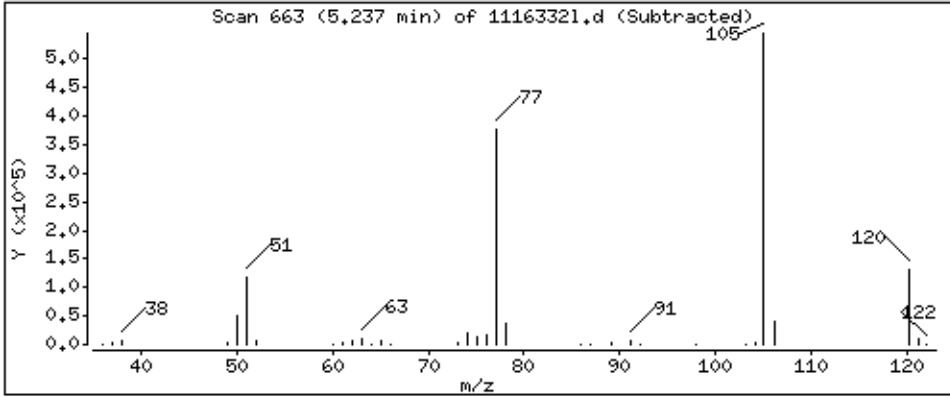
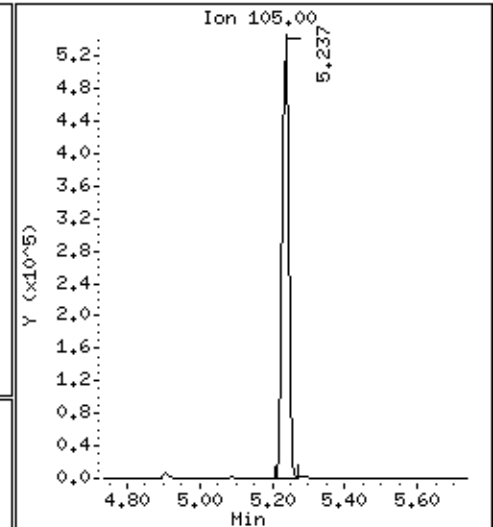
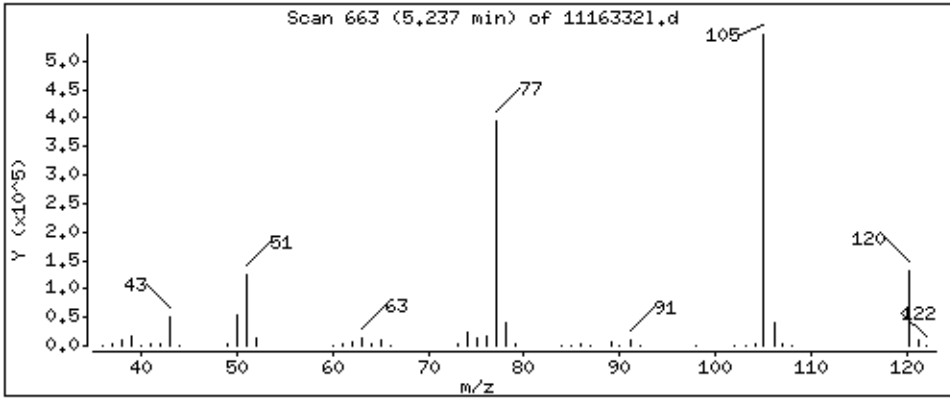
Operator: SN

Column phase: .50um DB-5ms

Column diameter: 0,25

19 Acetophenone

Concentration: 82.61 ug/L



Date : 24-JUN-2014 16:52

Client ID: MBLCS

Instrument: 50MSS2.i

Sample Info: 1116445

Volume Injected (uL): 1.0

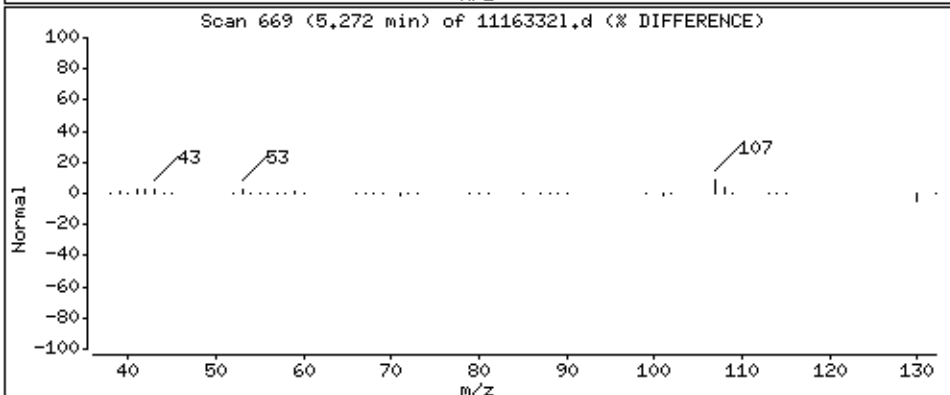
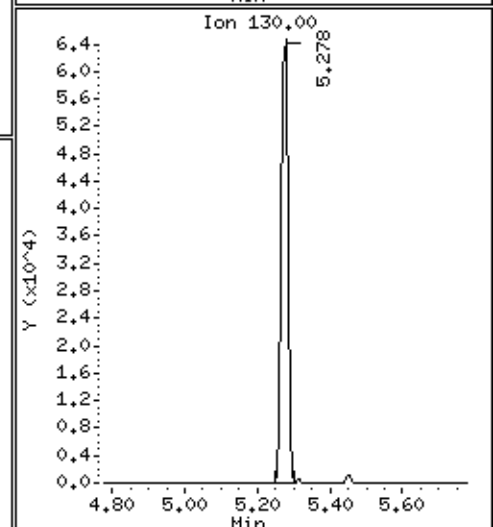
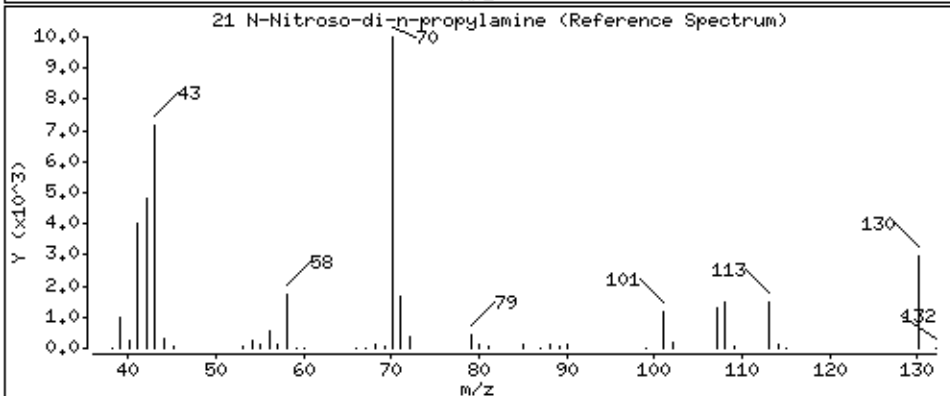
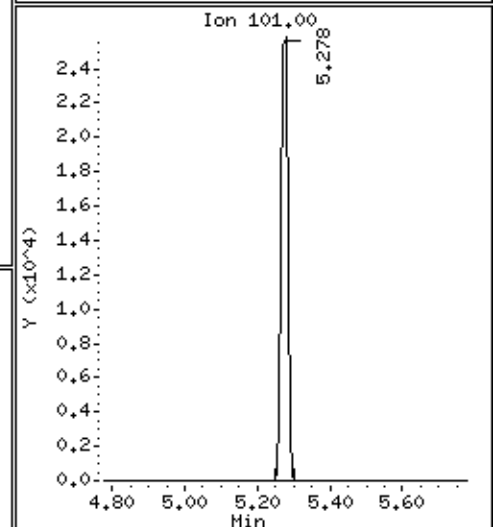
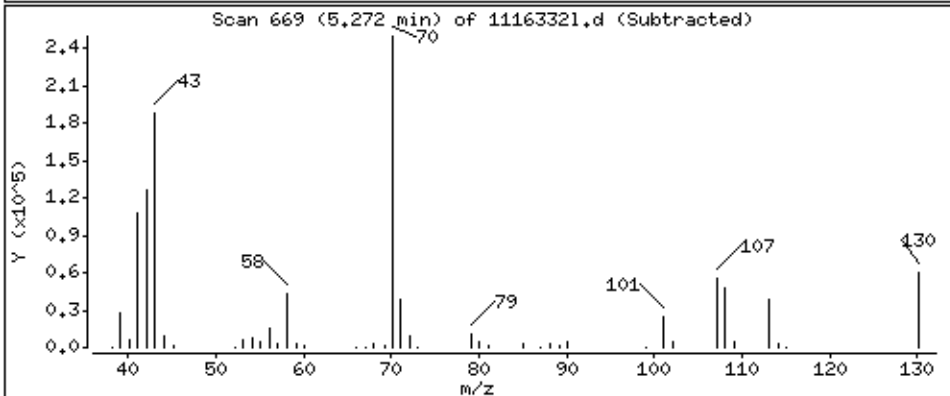
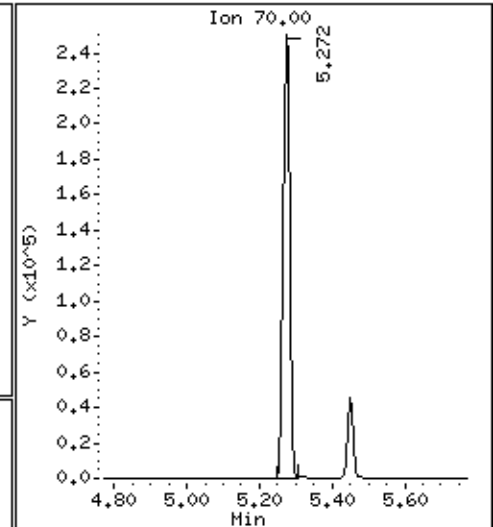
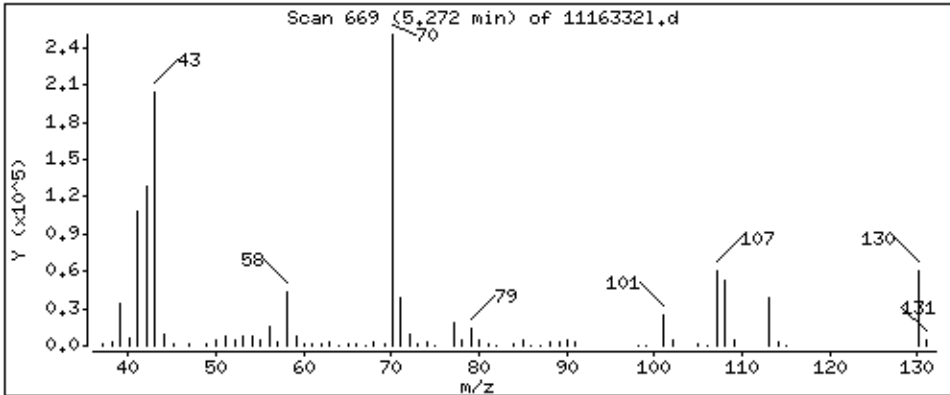
Operator: SN

Column phase: .50um DB-5ms

Column diameter: 0,25

21 N-Nitroso-di-n-propylamine

Concentration: 87,40 ug/L



Date : 24-JUN-2014 16:52

Client ID: MBLCS

Instrument: 50MSS2.i

Sample Info: 1116445

Volume Injected (uL): 1.0

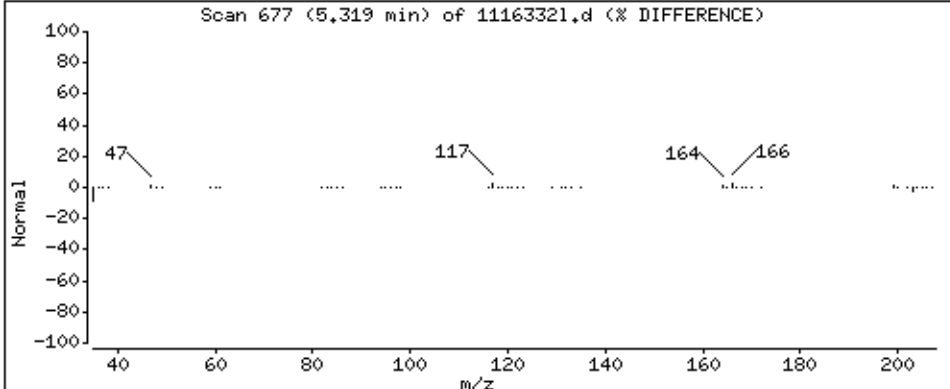
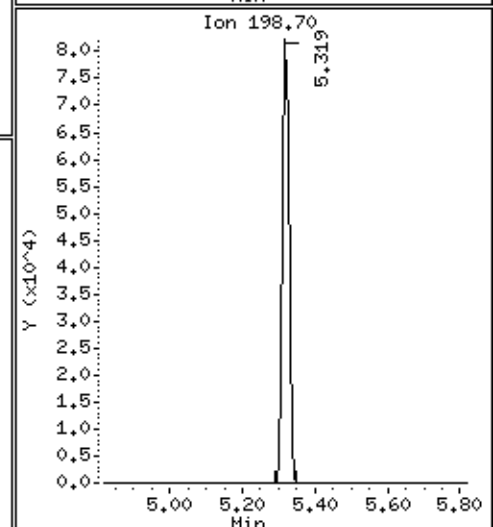
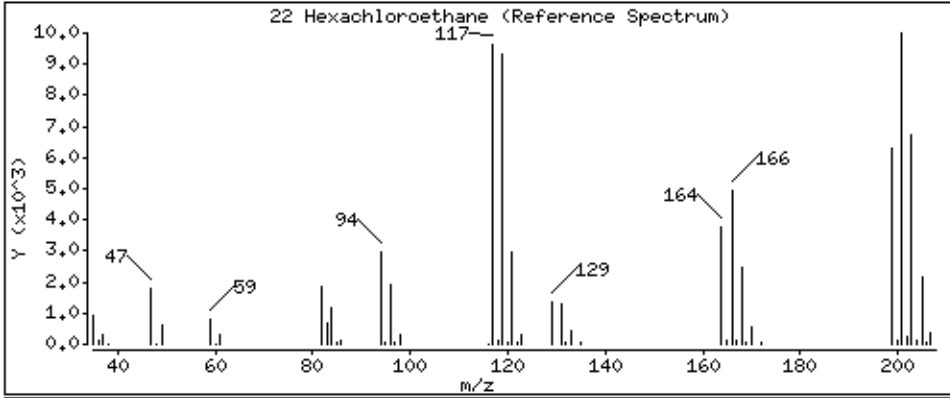
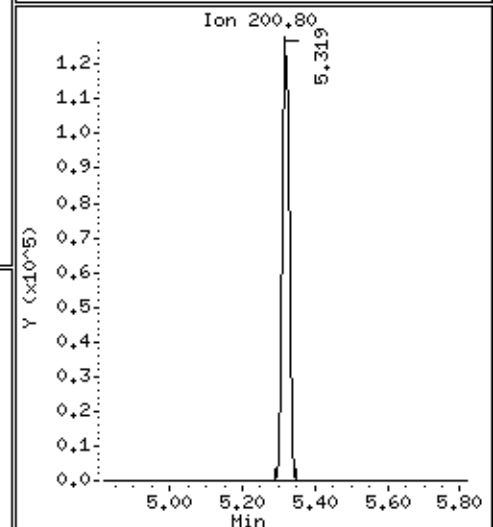
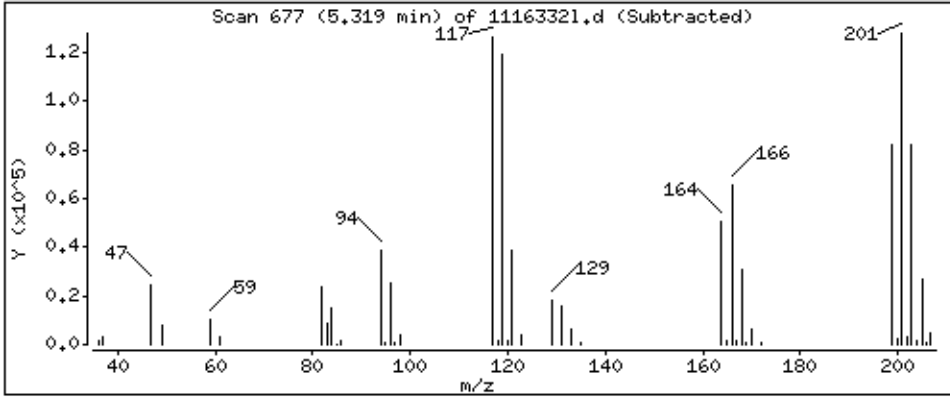
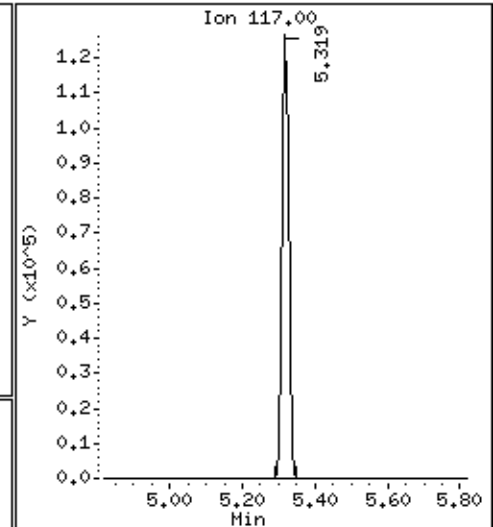
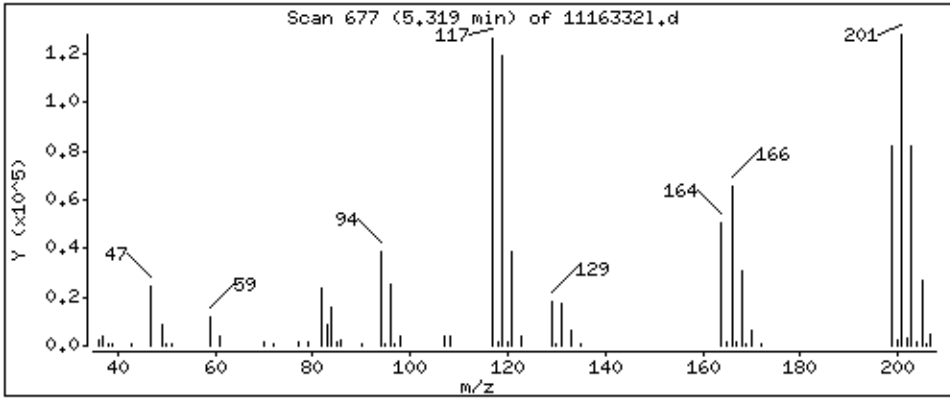
Operator: SN

Column phase: .50um DB-5ms

Column diameter: 0,25

22 Hexachloroethane

Concentration: 66,09 ug/L



Date : 24-JUN-2014 16:52

Client ID: MBLCS

Instrument: 50MSS2.i

Sample Info: 1116445

Volume Injected (uL): 1.0

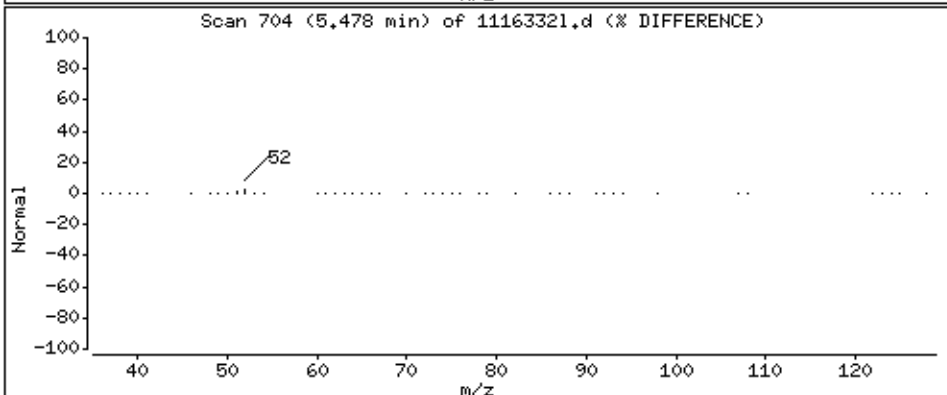
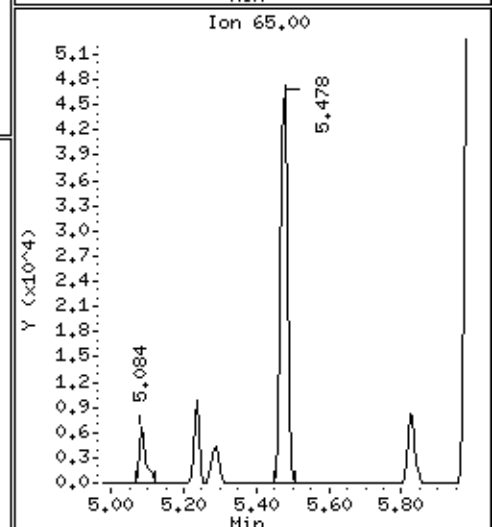
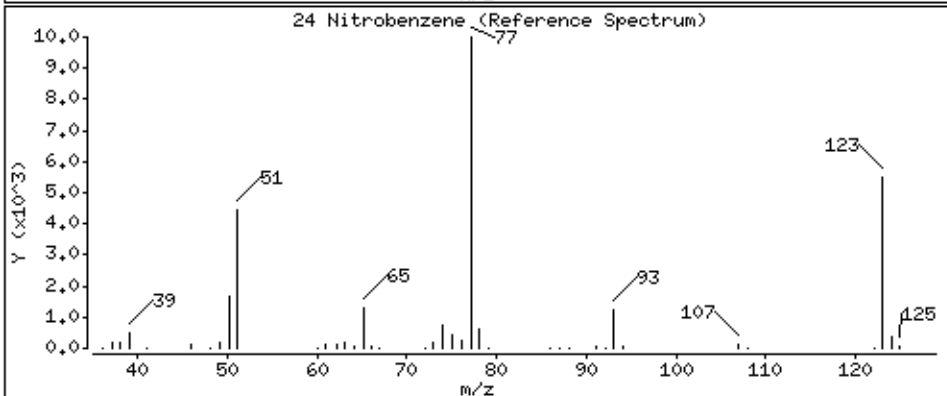
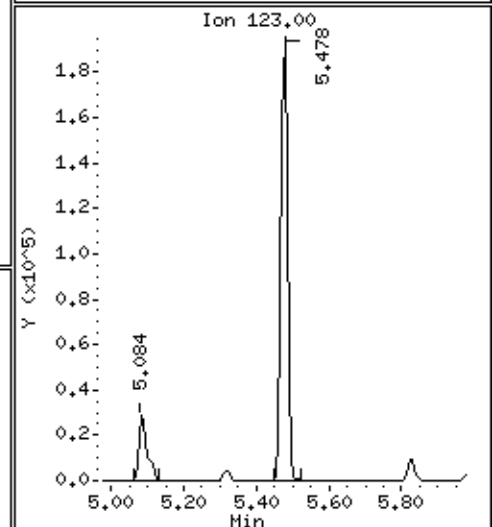
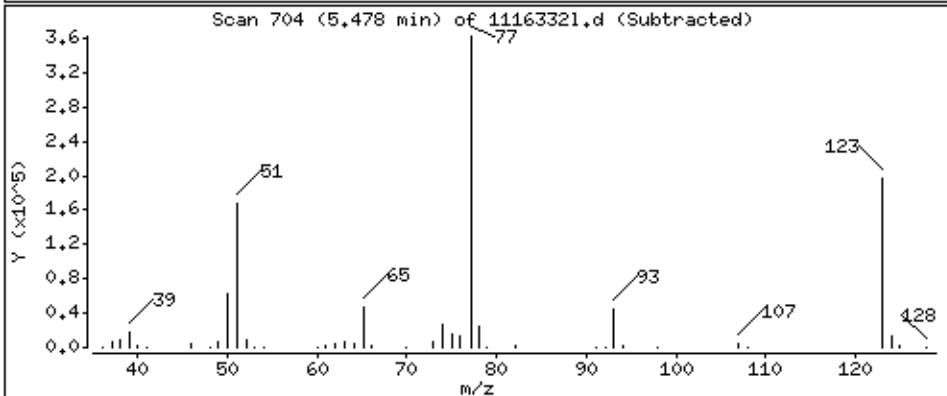
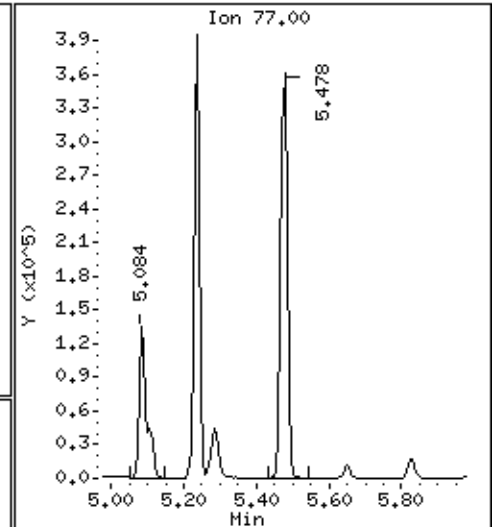
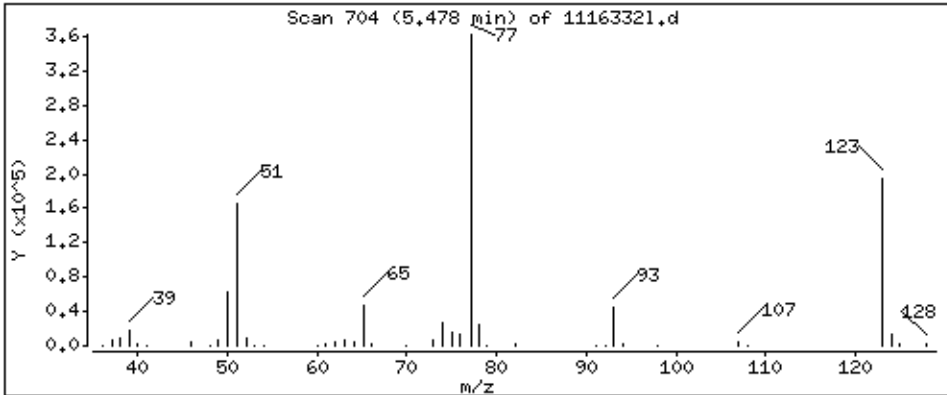
Operator: SN

Column phase: .50um DB-5ms

Column diameter: 0,25

24 Nitrobenzene

Concentration: 86,18 ug/L



Date : 24-JUN-2014 16:52

Client ID: MBLCS

Instrument: 50MSS2.i

Sample Info: 1116445

Volume Injected (uL): 1.0

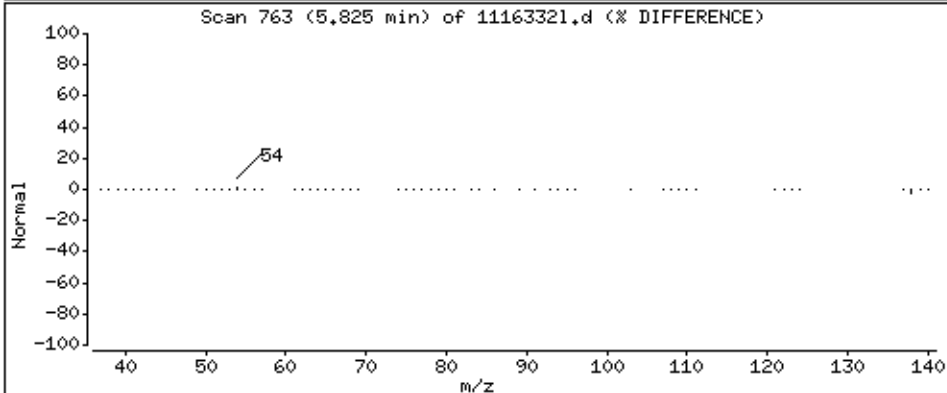
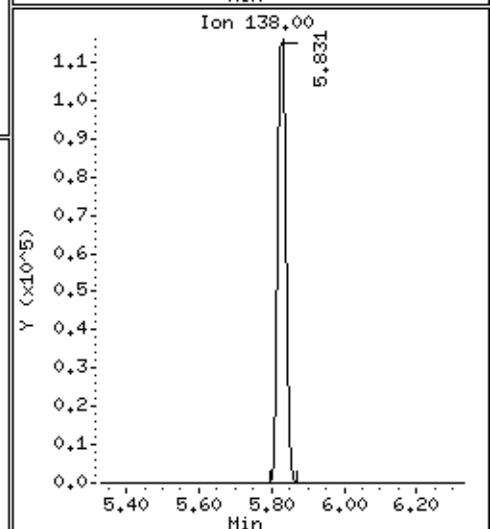
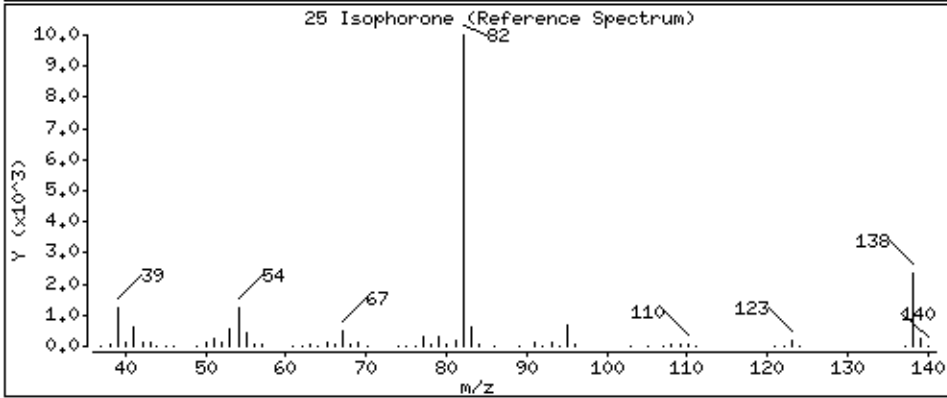
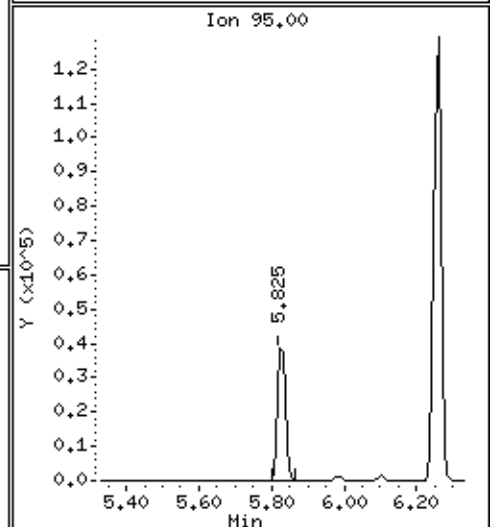
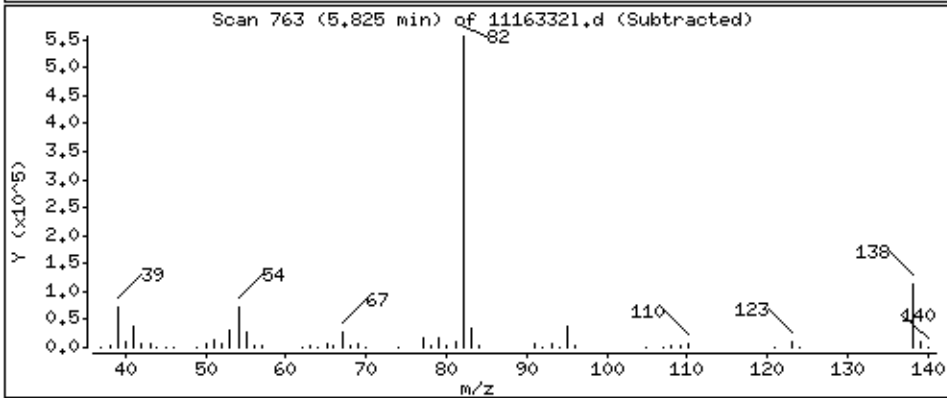
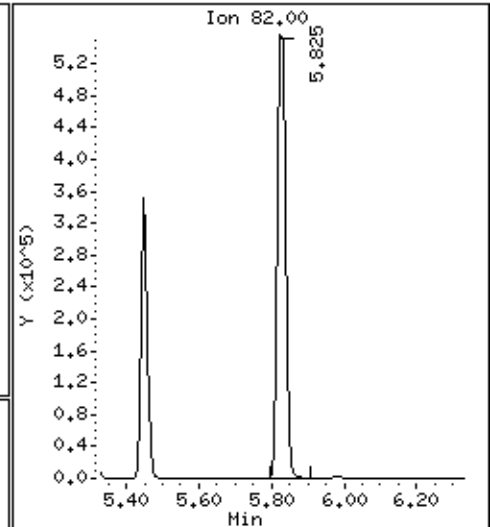
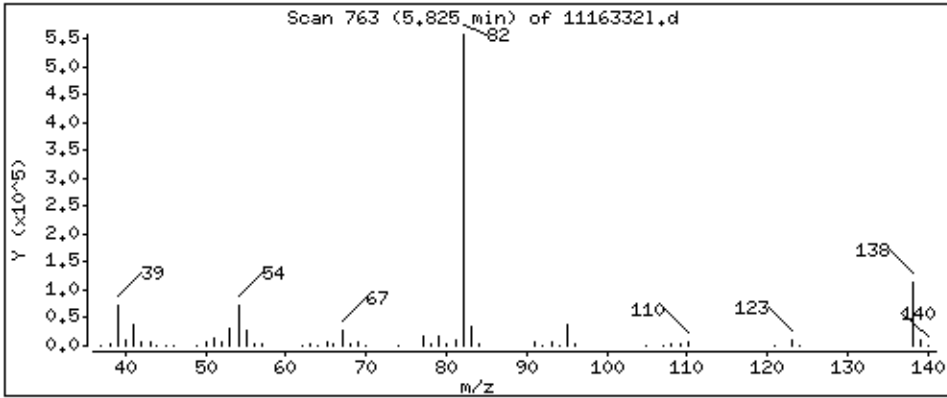
Operator: SN

Column phase: .50um DB-5ms

Column diameter: 0,25

25 Isophorone

Concentration: 86,35 ug/L



Date : 24-JUN-2014 16:52

Client ID: MBLCS

Instrument: 50MSS2.i

Sample Info: 1116445

Volume Injected (uL): 1.0

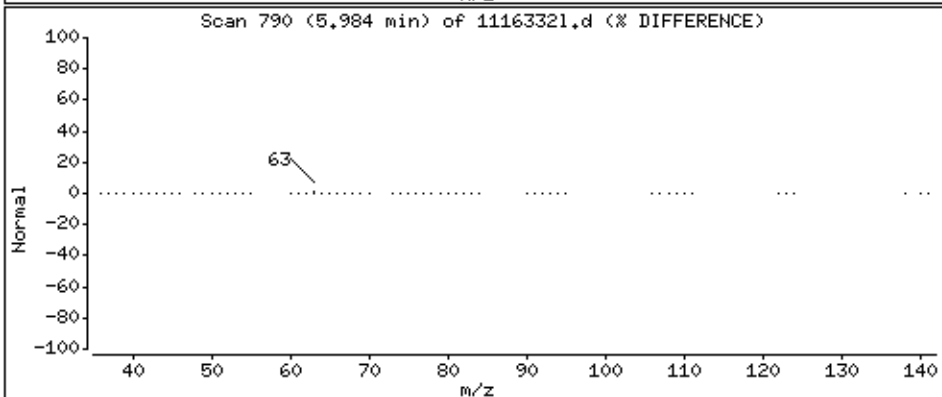
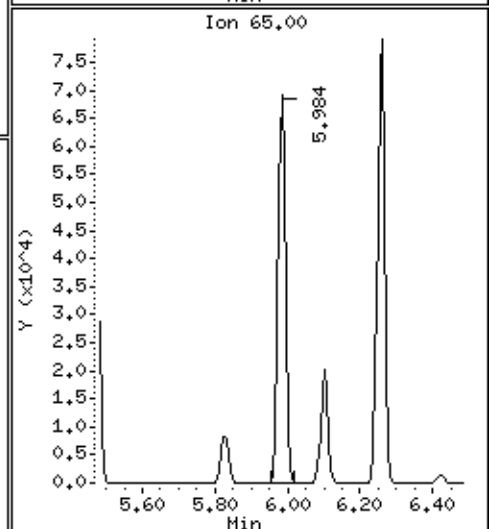
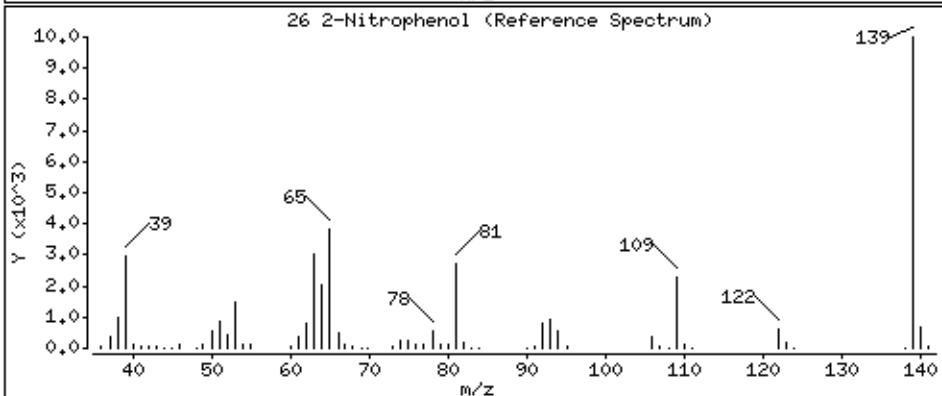
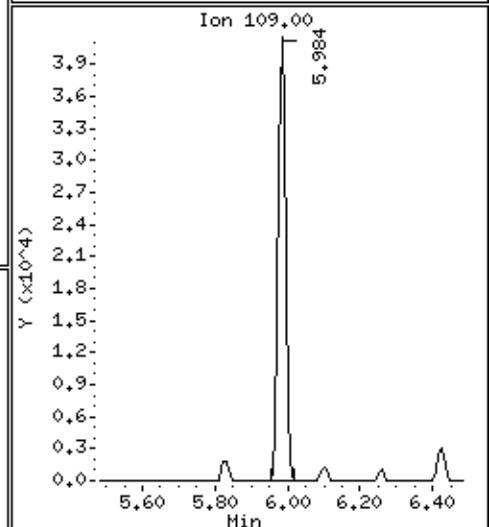
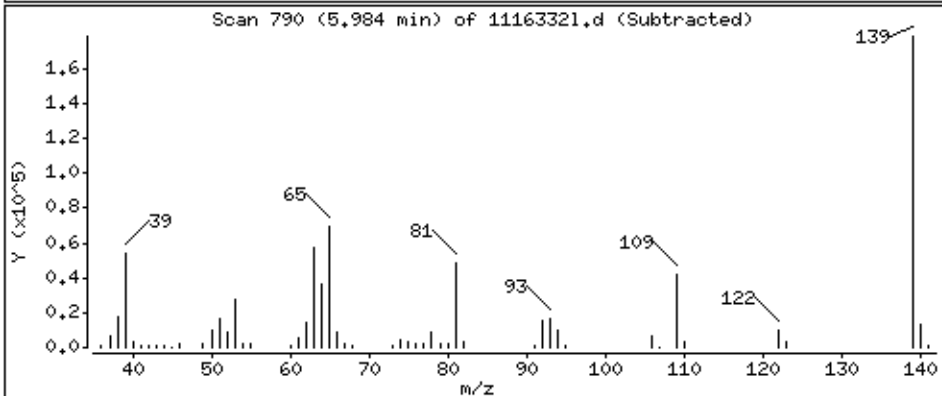
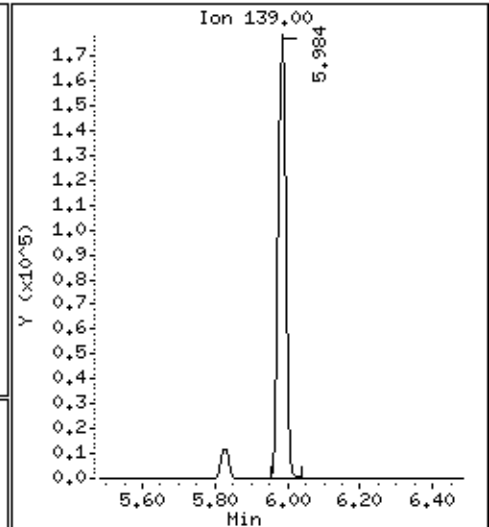
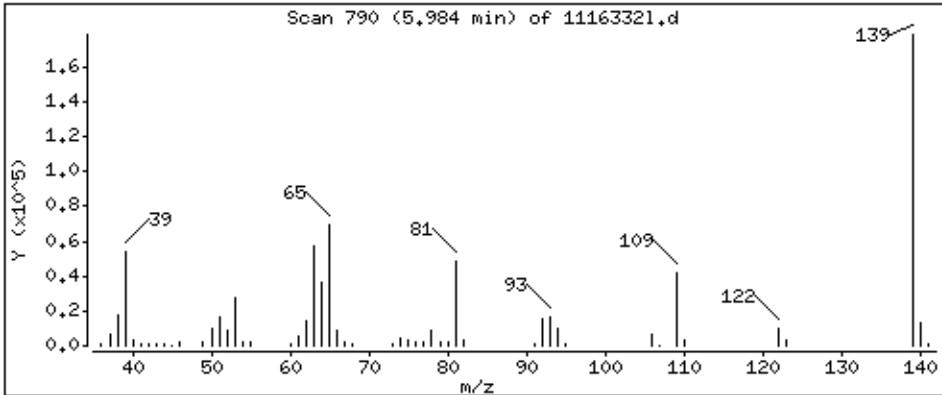
Operator: SN

Column phase: .50um DB-5ms

Column diameter: 0,25

26 2-Nitrophenol

Concentration: 80,74 ug/L



Date : 24-JUN-2014 16:52

Client ID: MBLCS

Instrument: 50MSS2.i

Sample Info: 1116445

Volume Injected (uL): 1.0

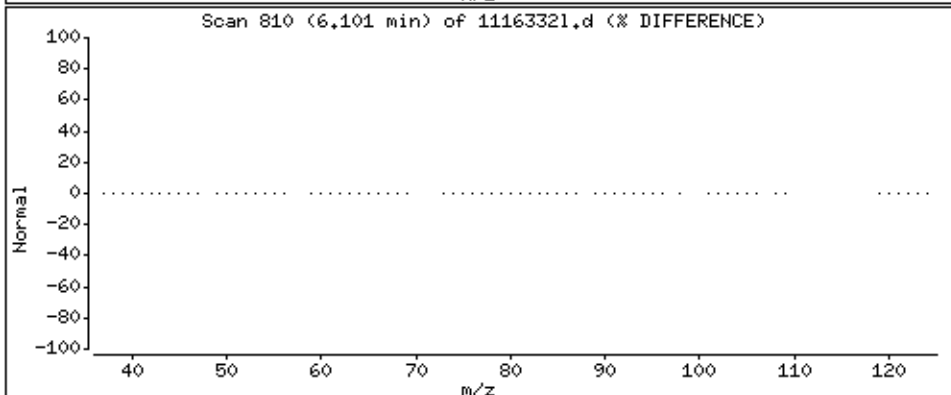
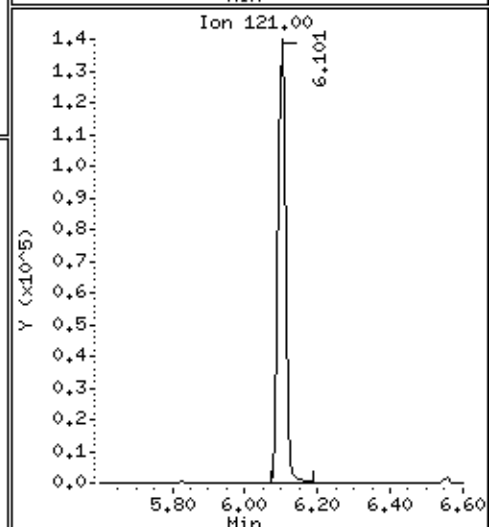
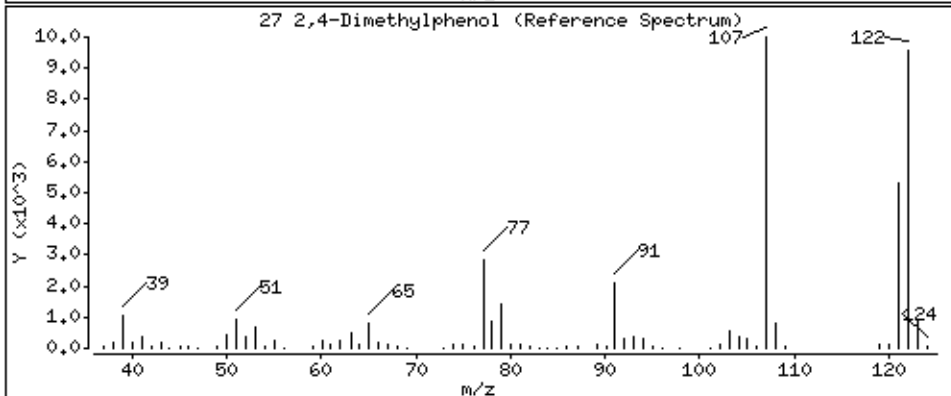
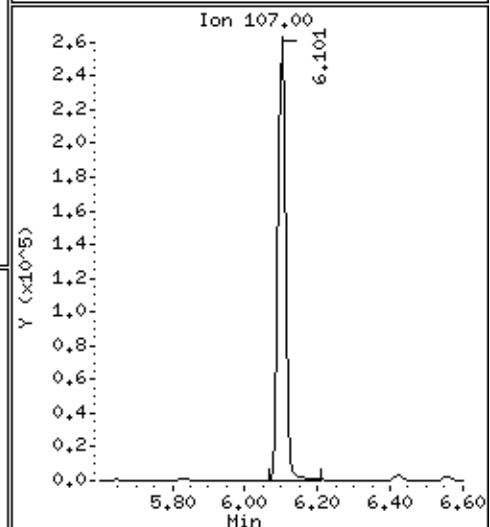
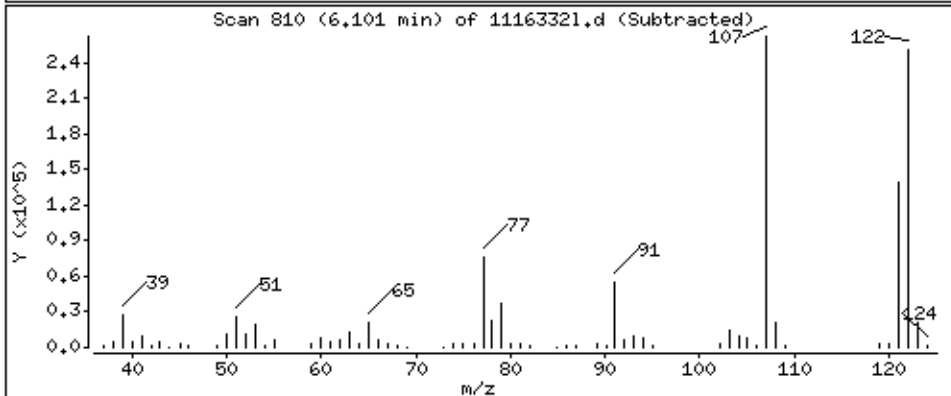
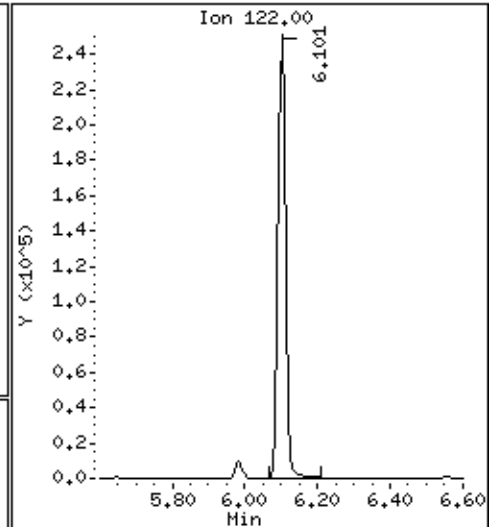
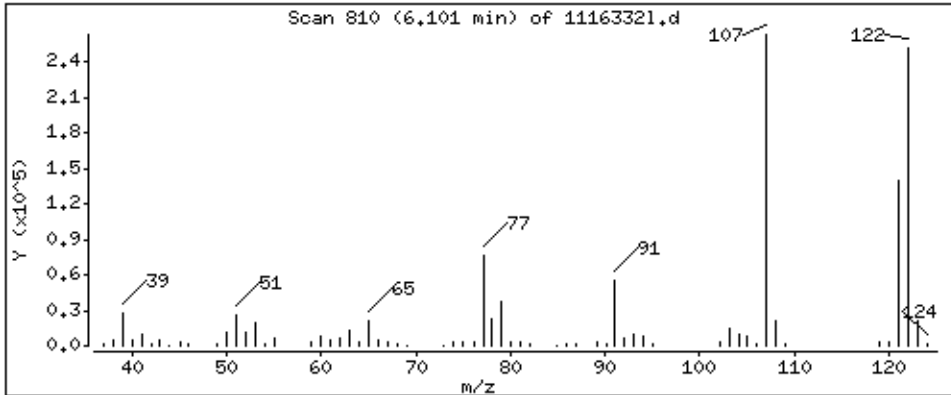
Operator: SN

Column phase: .50um DB-5ms

Column diameter: 0,25

27 2,4-Dimethylphenol

Concentration: 71.72 ug/L



Date : 24-JUN-2014 16:52

Client ID: MBLCS

Instrument: 50MSS2.i

Sample Info: 1116445

Volume Injected (uL): 1.0

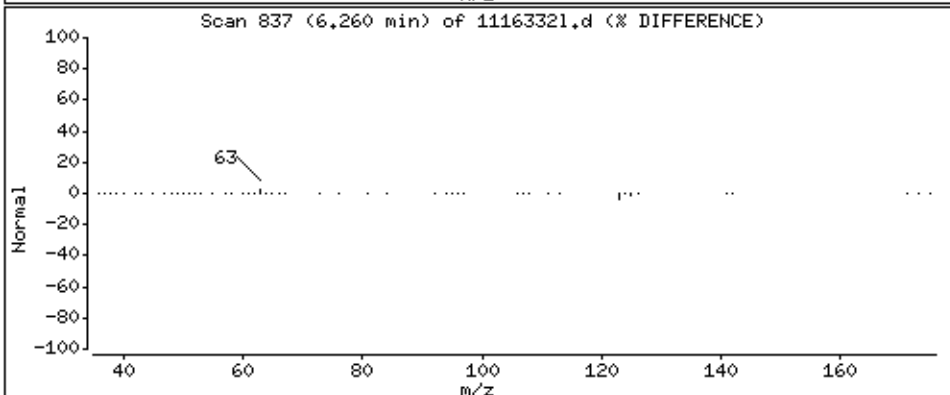
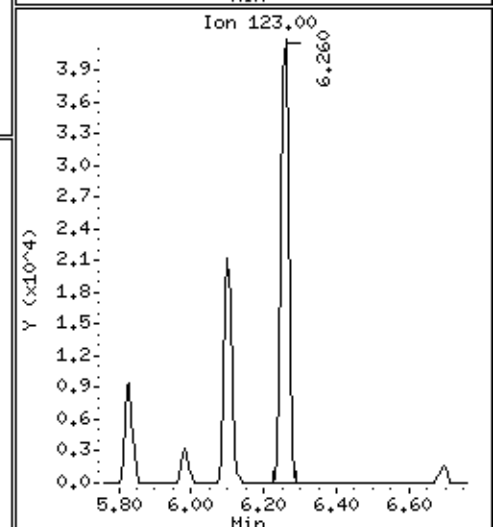
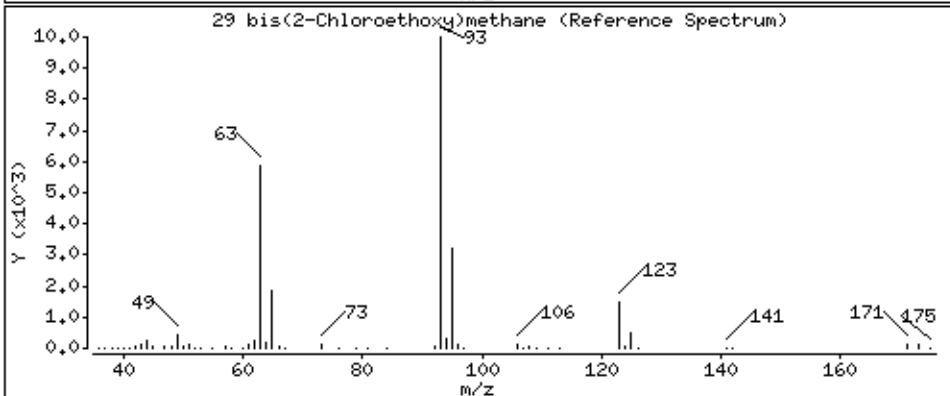
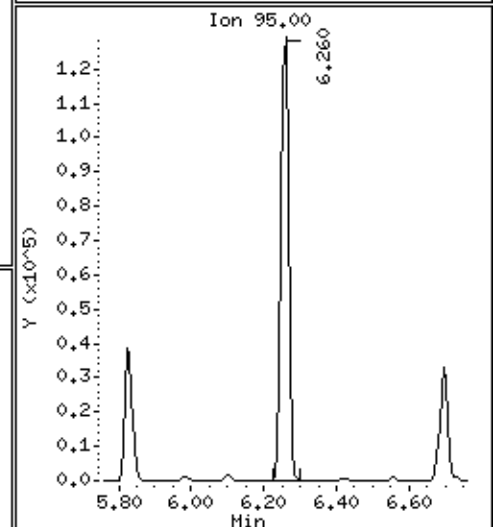
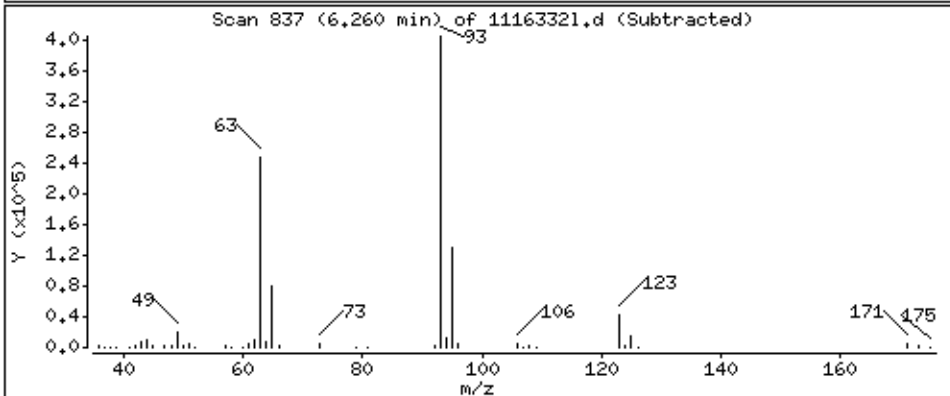
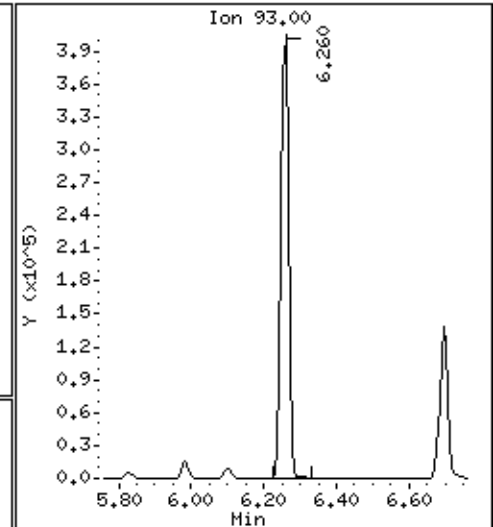
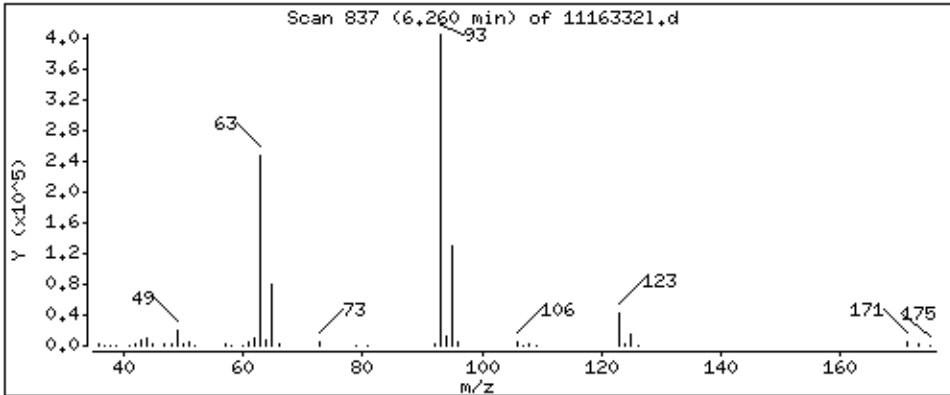
Operator: SN

Column phase: .50um DB-5ms

Column diameter: 0,25

29 bis(2-Chloroethoxy)methane

Concentration: 95,51 ug/L



Date : 24-JUN-2014 16:52

Client ID: MBLCS

Instrument: 50MSS2.i

Sample Info: 1116445

Volume Injected (uL): 1.0

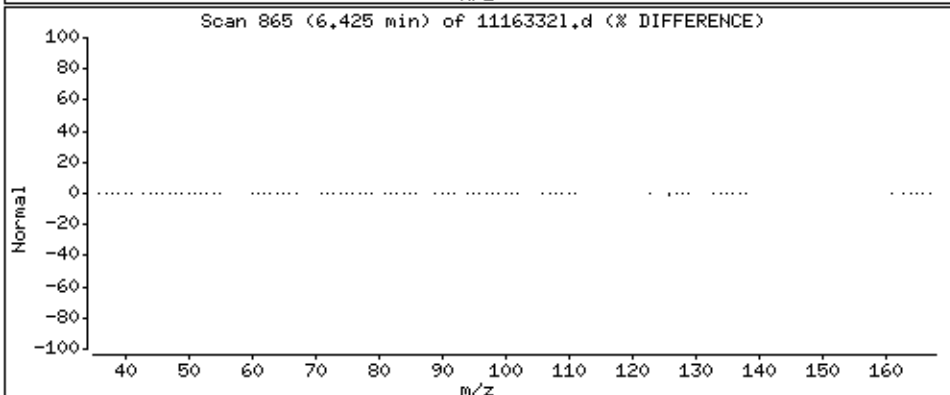
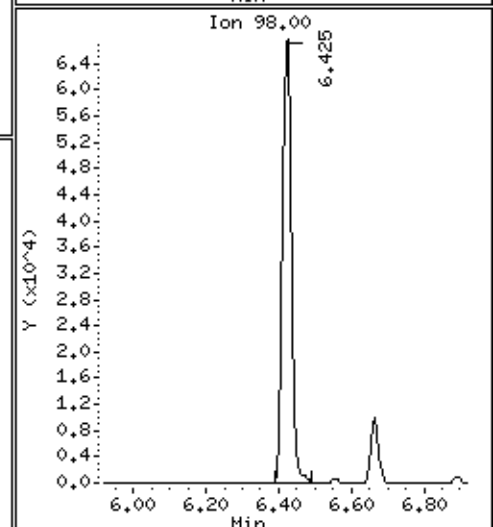
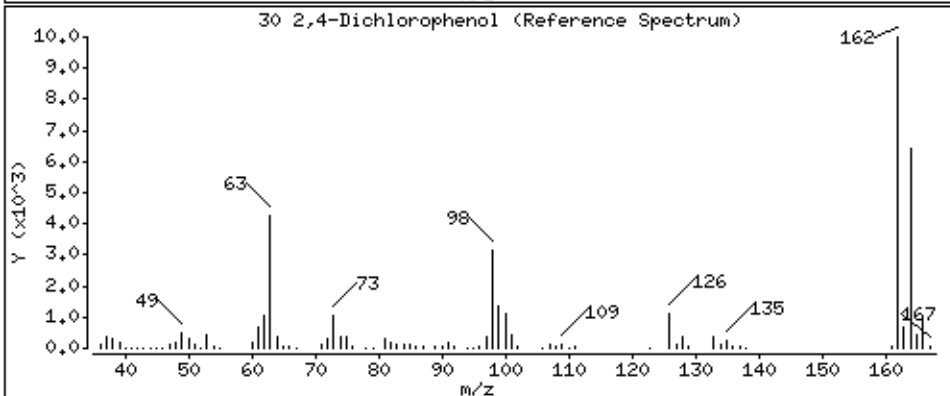
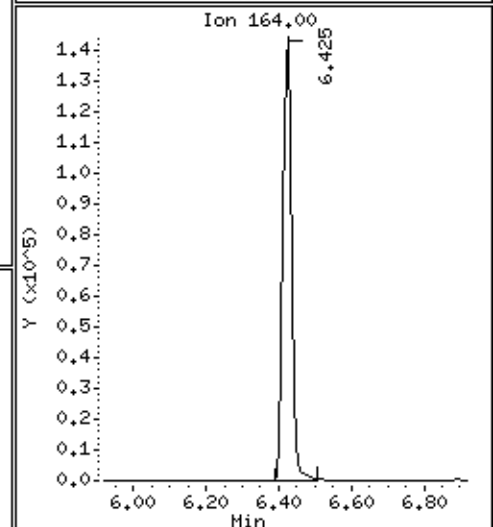
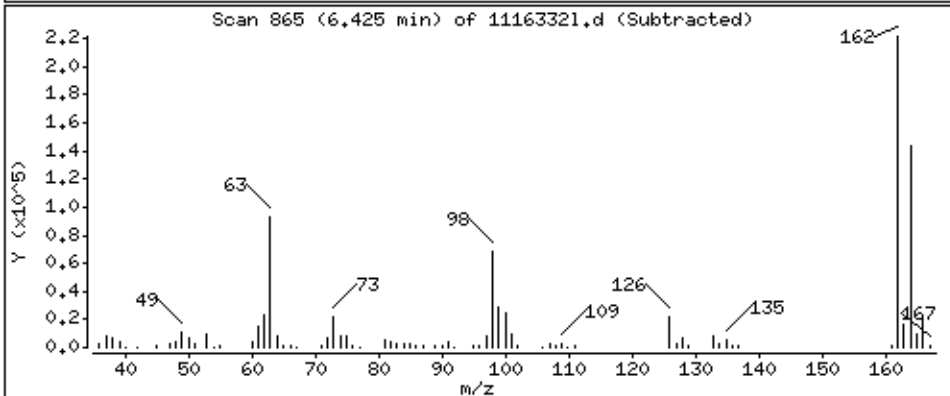
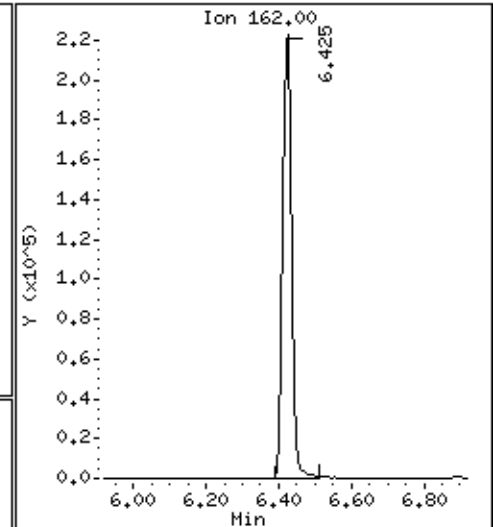
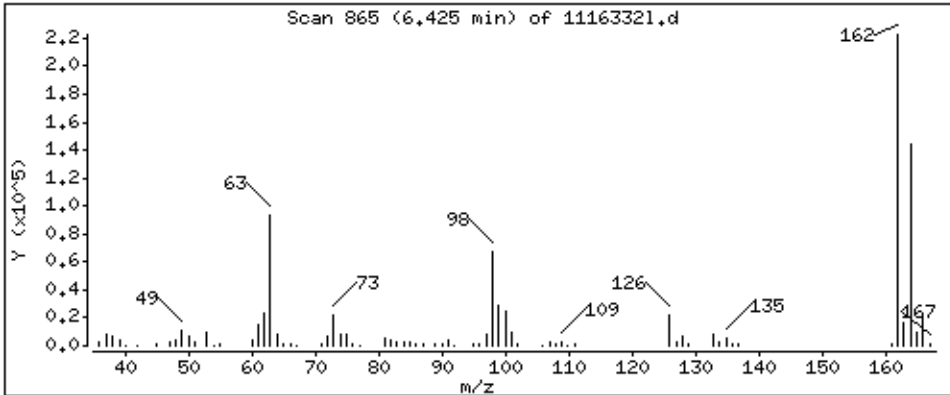
Operator: SN

Column phase: .50um DB-5ms

Column diameter: 0,25

30 2,4-Dichlorophenol

Concentration: 75,09 ug/L



Date : 24-JUN-2014 16:52

Client ID: MBLCS

Instrument: 50MSS2.i

Sample Info: 1116445

Volume Injected (uL): 1.0

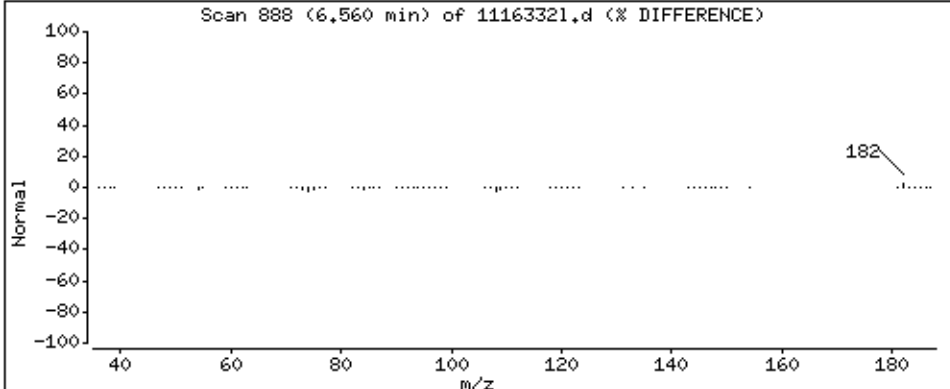
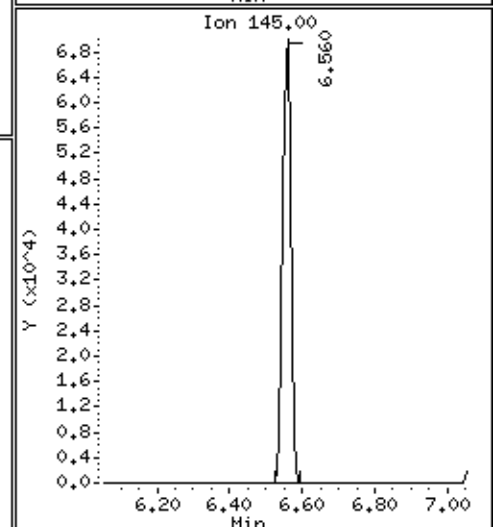
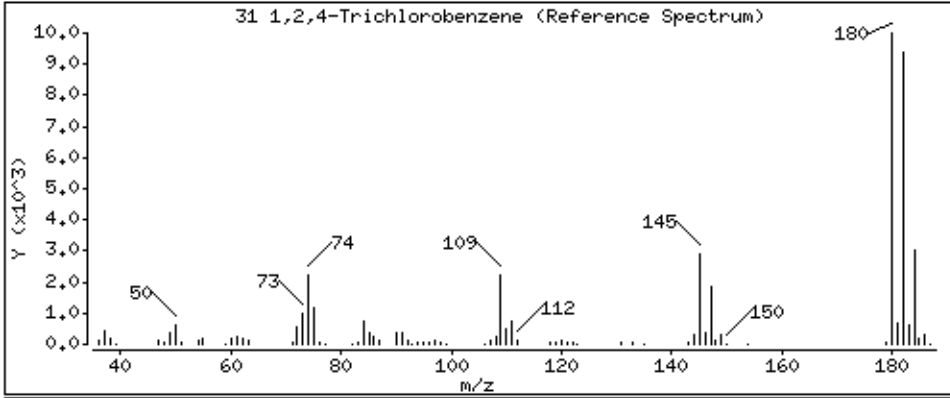
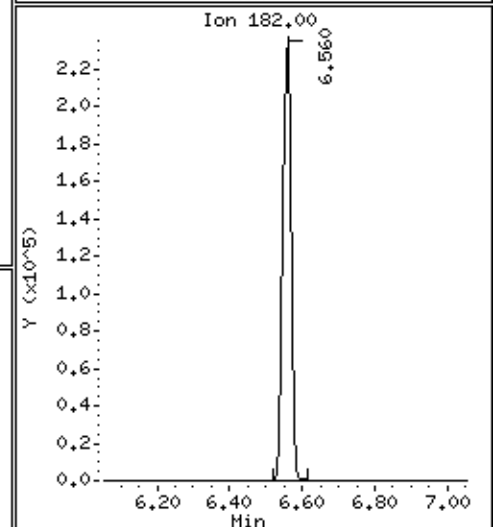
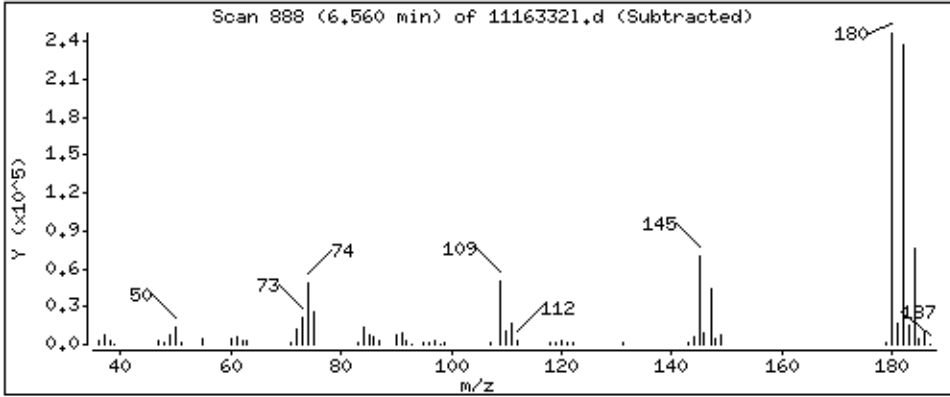
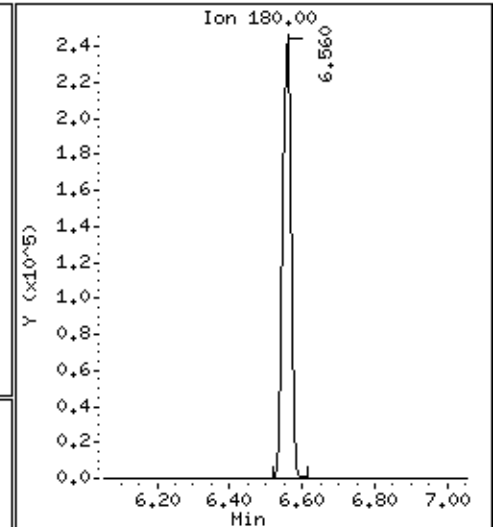
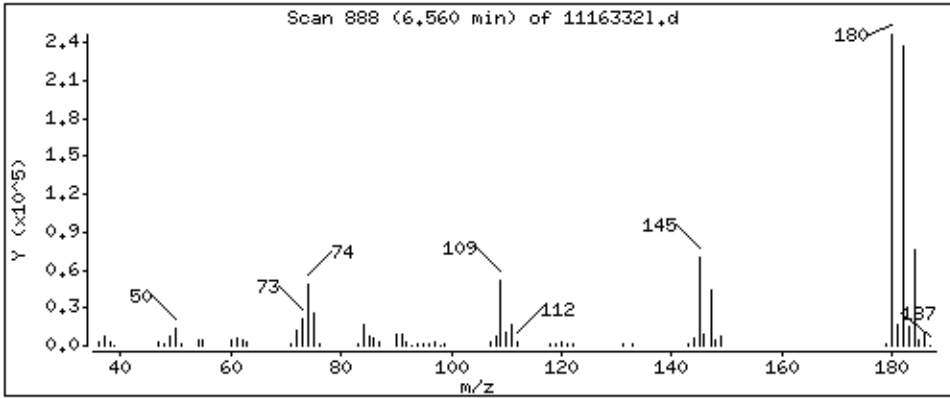
Operator: SN

Column phase: .50um DB-5ms

Column diameter: 0,25

31 1,2,4-Trichlorobenzene

Concentration: 71.04 ug/L



Date : 24-JUN-2014 16:52

Client ID: MBLCS

Instrument: 50MSS2.i

Sample Info: 1116445

Volume Injected (uL): 1.0

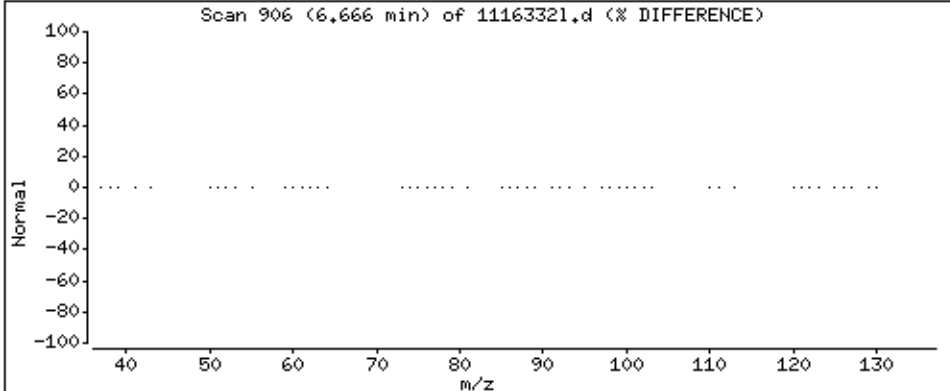
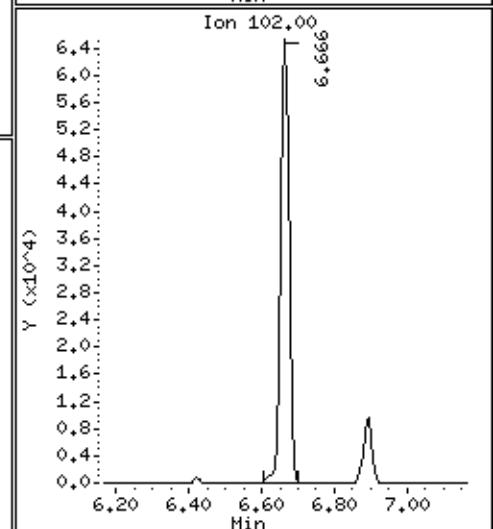
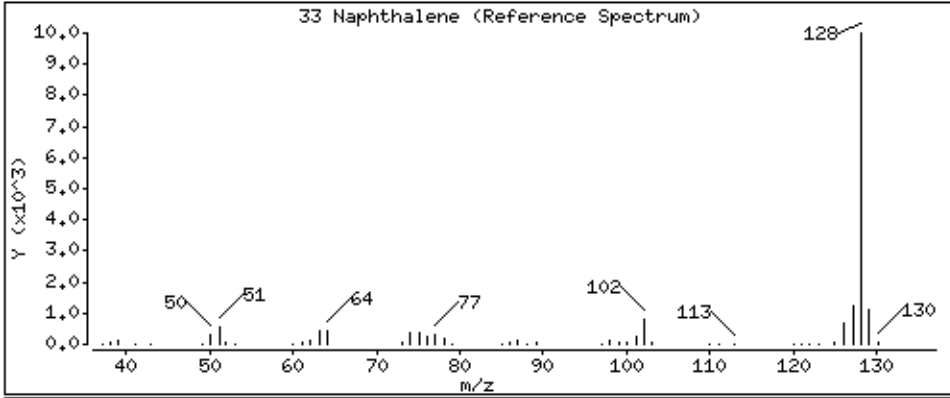
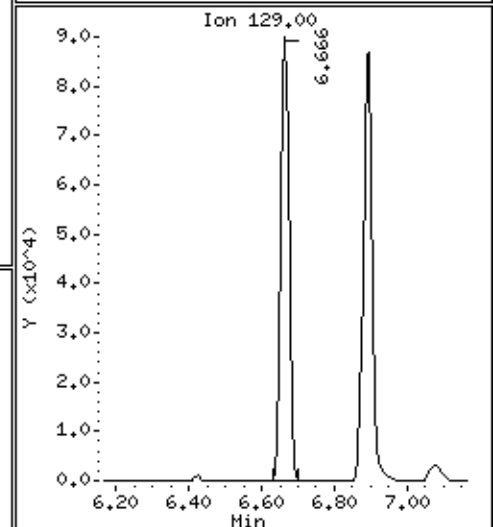
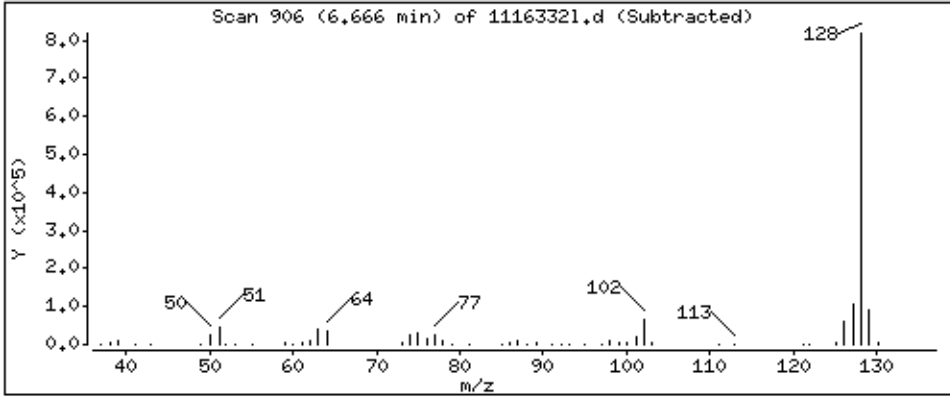
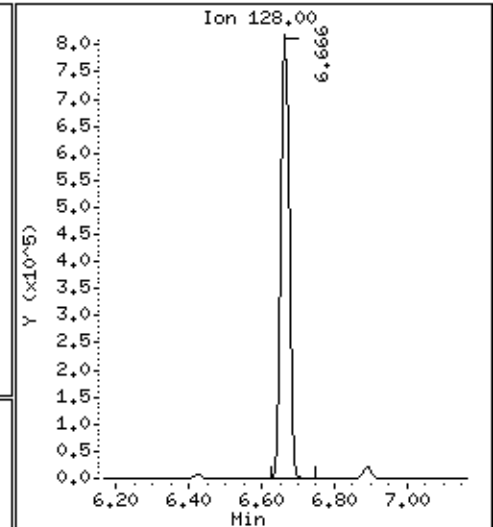
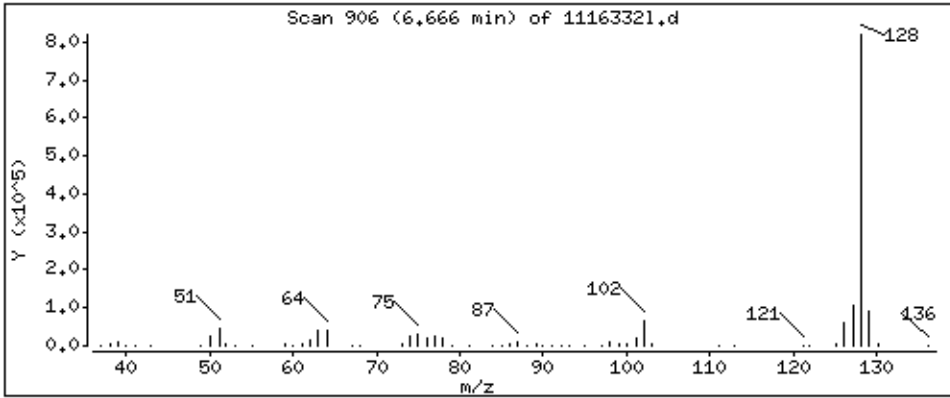
Operator: SN

Column phase: .50um DB-5ms

Column diameter: 0,25

33 Naphthalene

Concentration: 73,99 ug/L



Date : 24-JUN-2014 16:52

Client ID: MBLCS

Instrument: 50MSS2.i

Sample Info: 1116445

Volume Injected (uL): 1.0

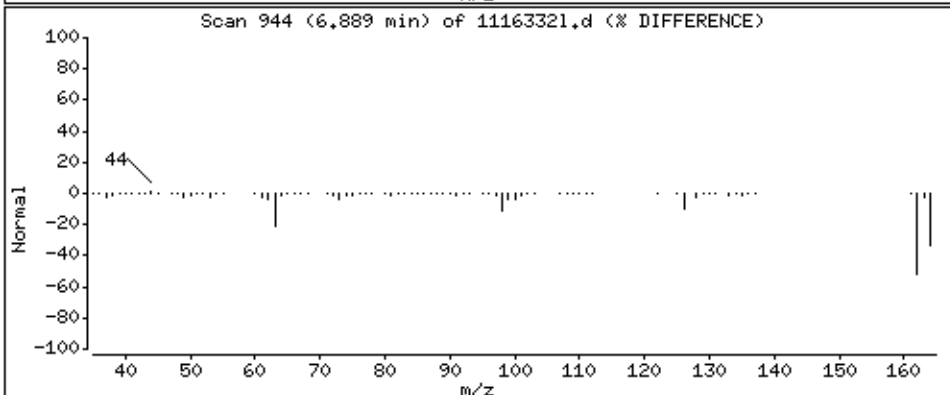
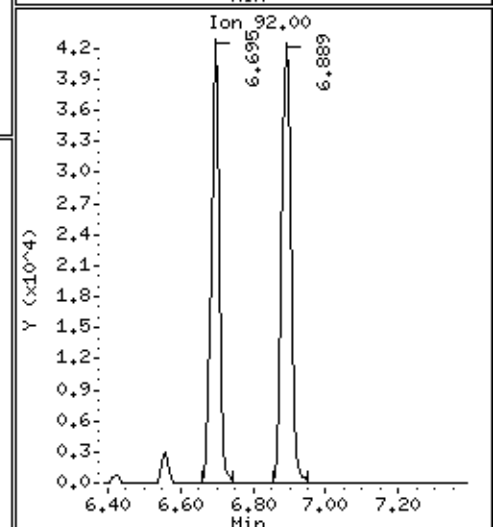
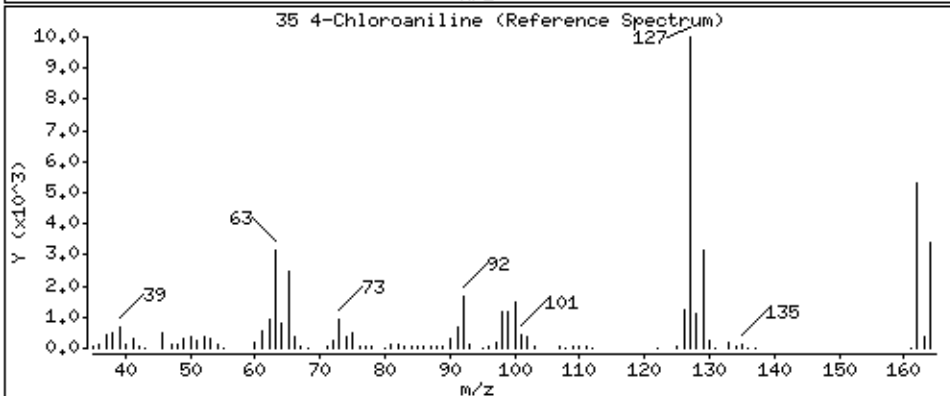
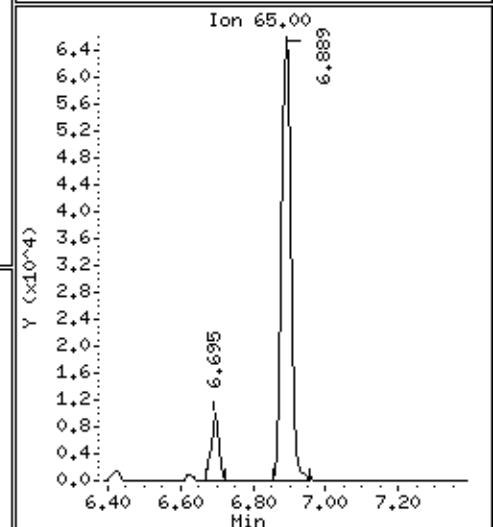
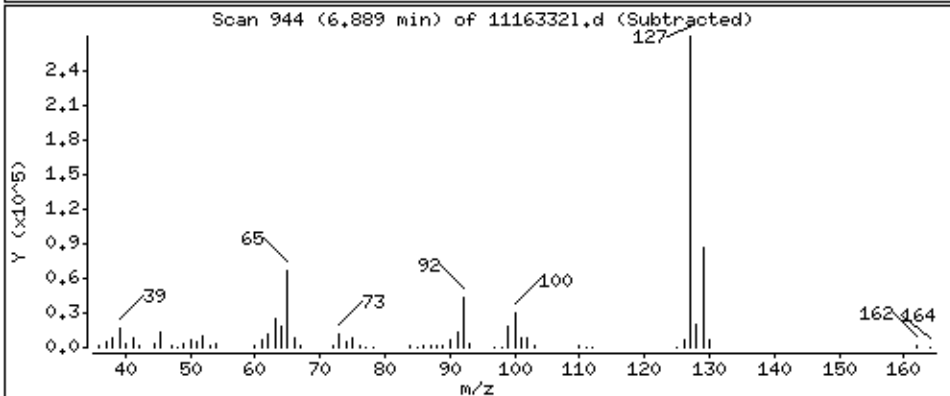
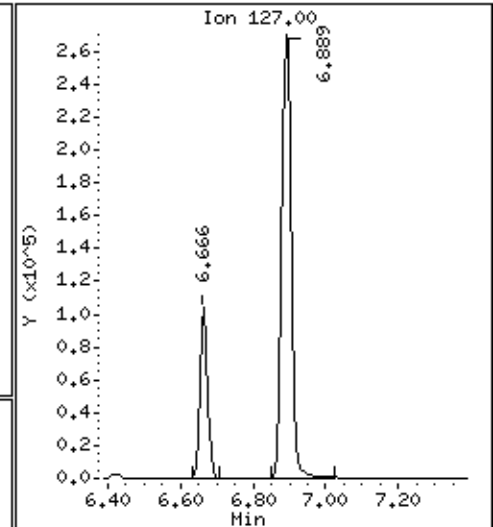
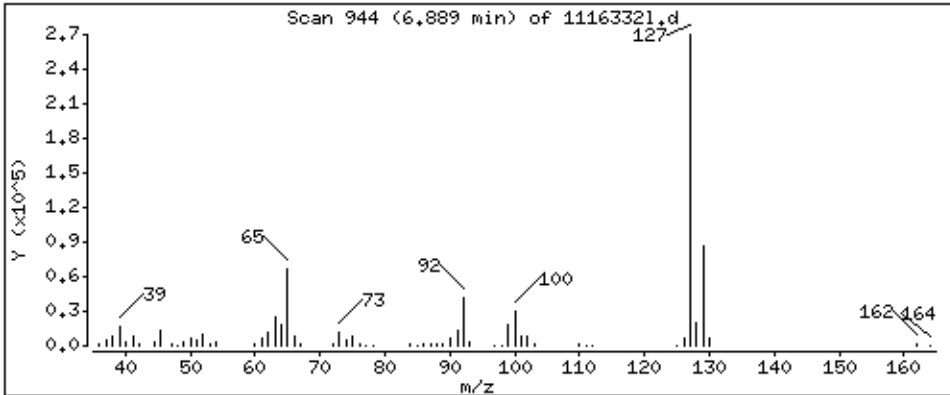
Operator: SN

Column phase: .50um DB-5ms

Column diameter: 0,25

35 4-Chloroaniline

Concentration: 73,55 ug/L



Date : 24-JUN-2014 16:52

Client ID: MBLCS

Instrument: 50MSS2.i

Sample Info: 1116445

Volume Injected (uL): 1.0

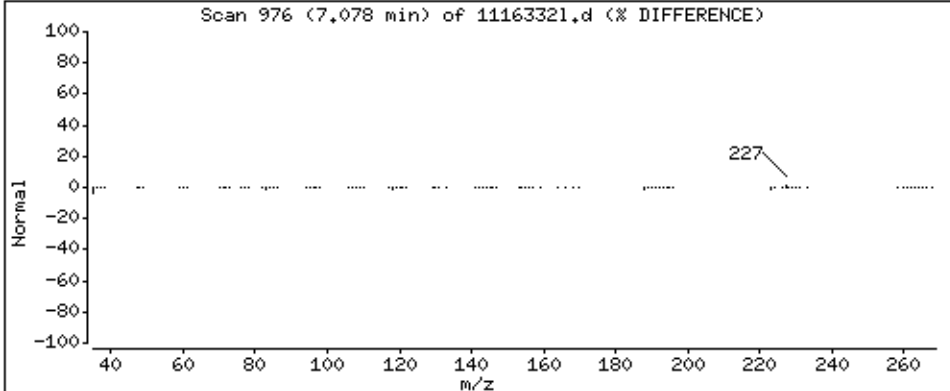
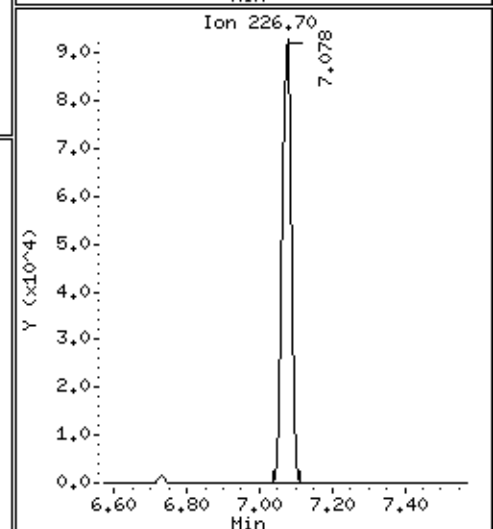
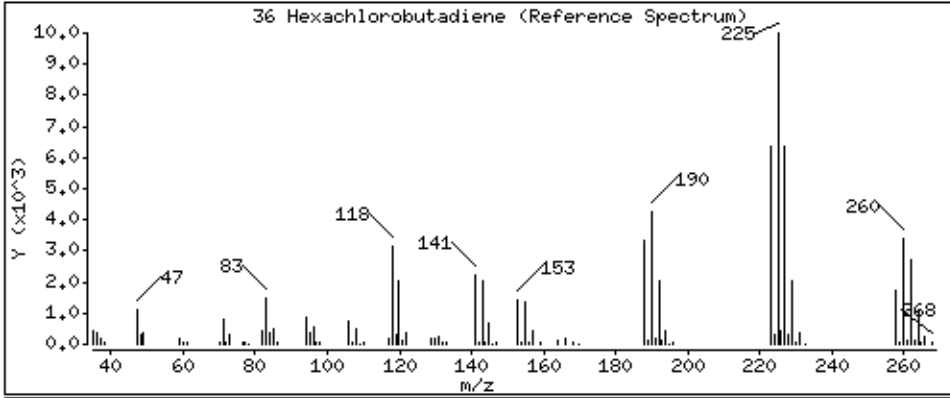
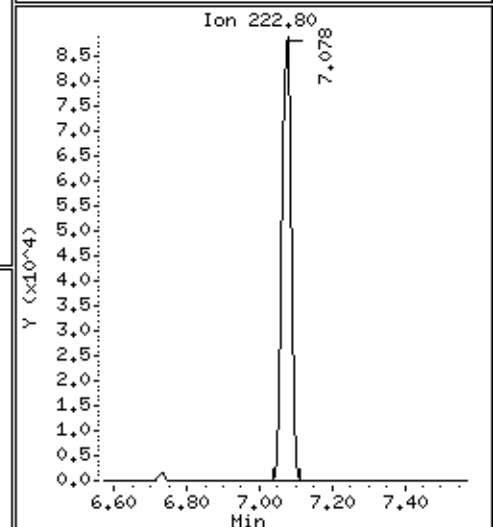
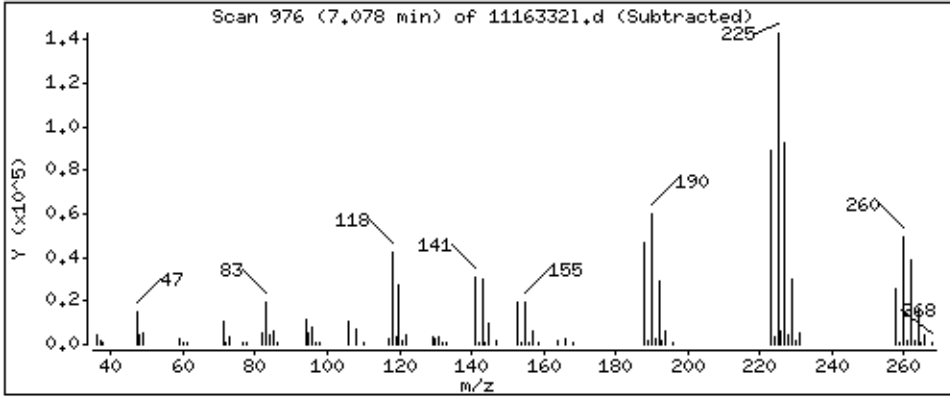
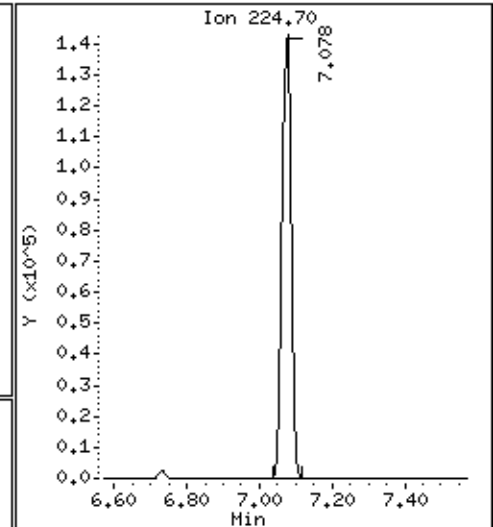
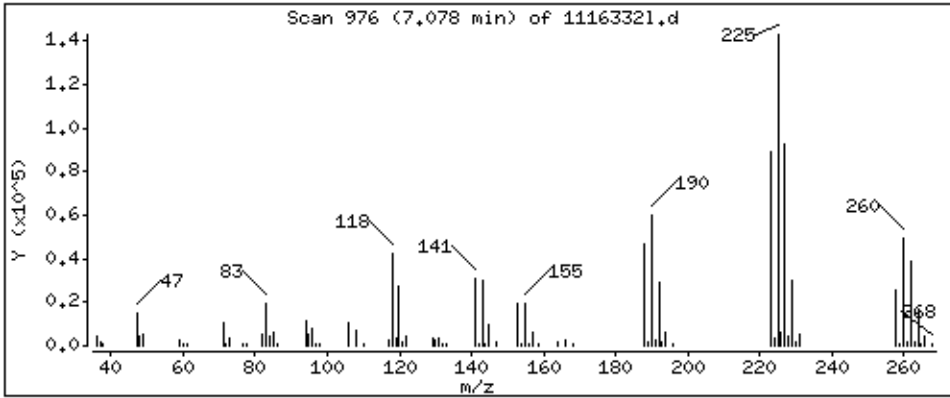
Operator: SN

Column phase: .50um DB-5ms

Column diameter: 0,25

36 Hexachlorobutadiene

Concentration: 74,36 ug/L



Date : 24-JUN-2014 16:52

Client ID: MBLCS

Instrument: 50MSS2.i

Sample Info: 1116445

Volume Injected (uL): 1.0

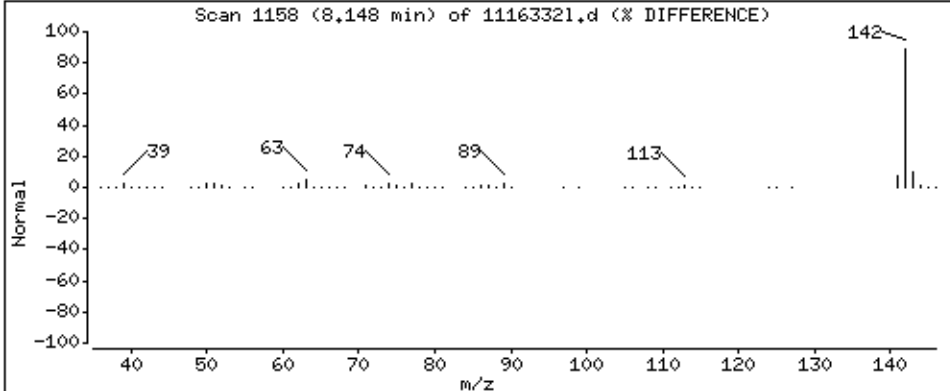
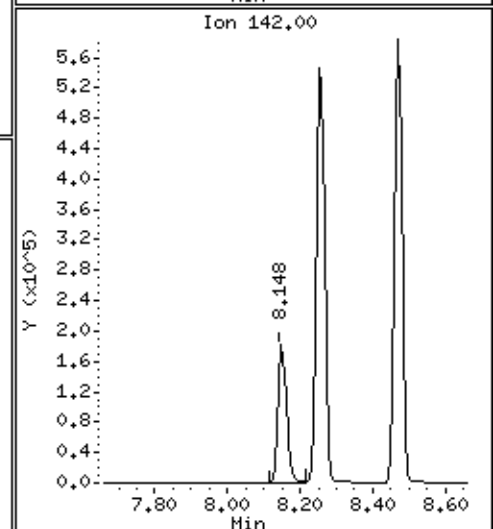
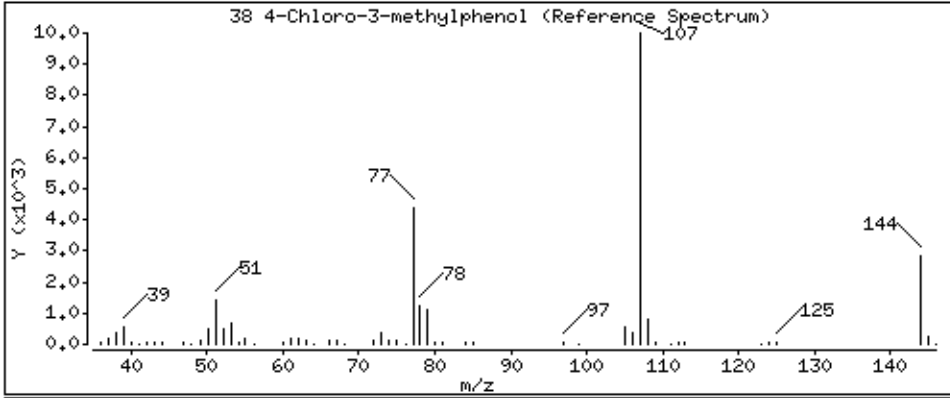
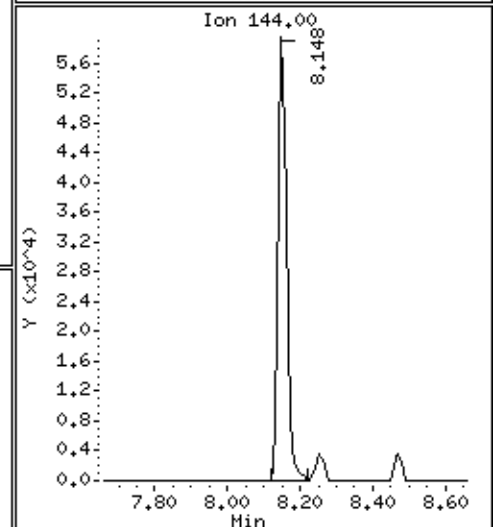
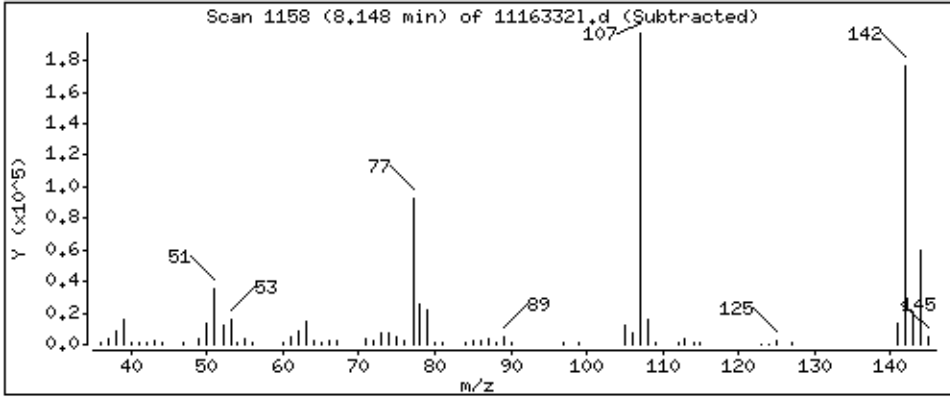
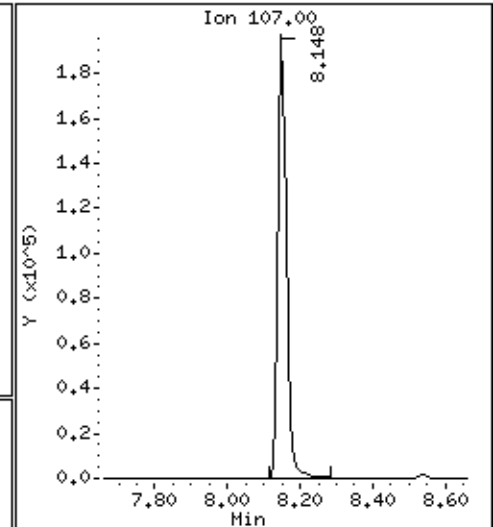
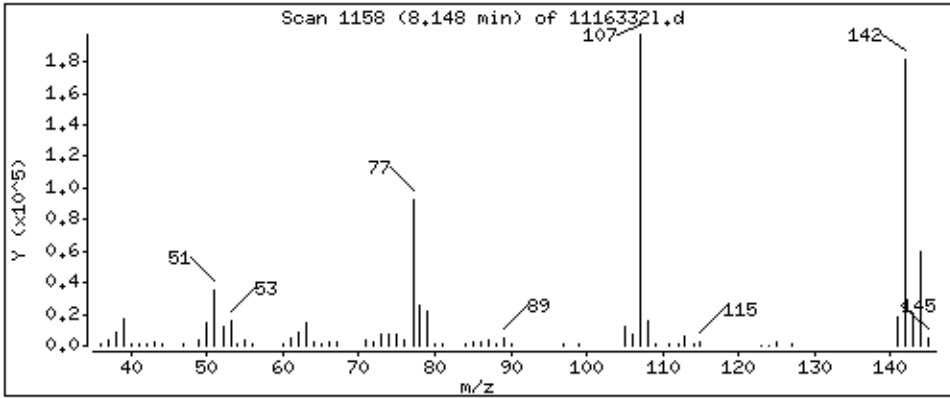
Operator: SN

Column phase: .50um DB-5ms

Column diameter: 0,25

38 4-Chloro-3-methylphenol

Concentration: 69,88 ug/L



Date : 24-JUN-2014 16:52

Client ID: MBLCS

Instrument: 50MSS2.i

Sample Info: 1116445

Volume Injected (uL): 1.0

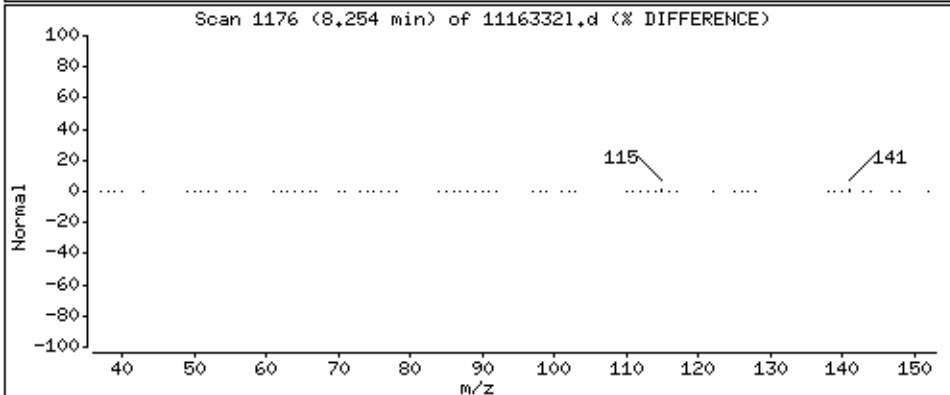
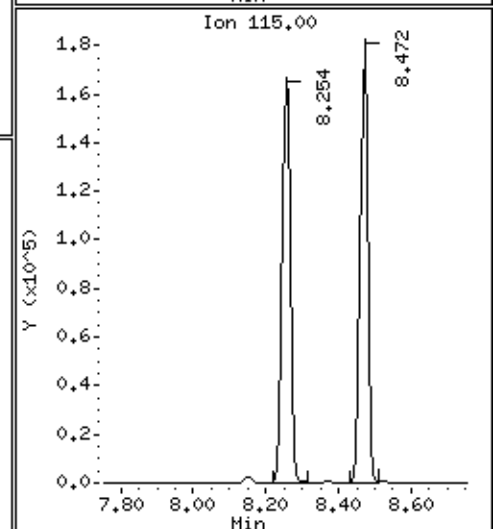
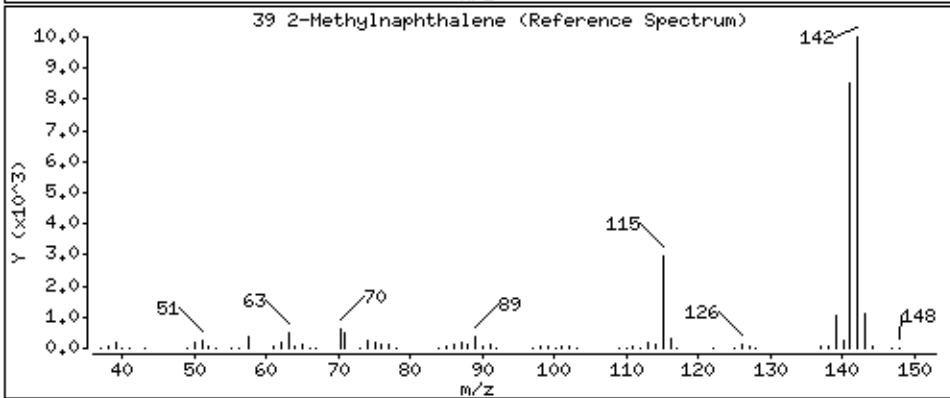
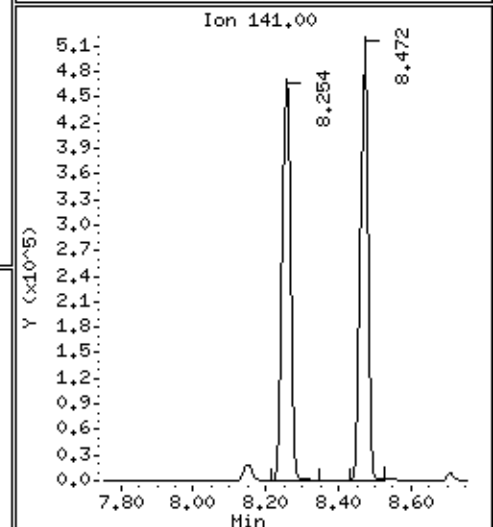
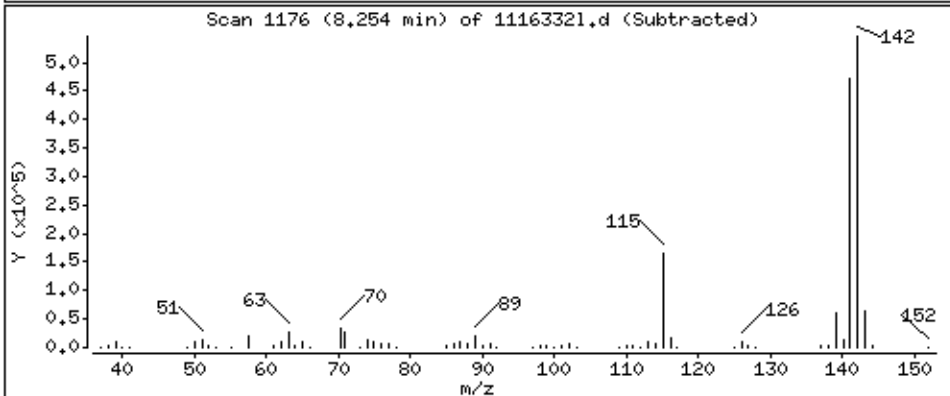
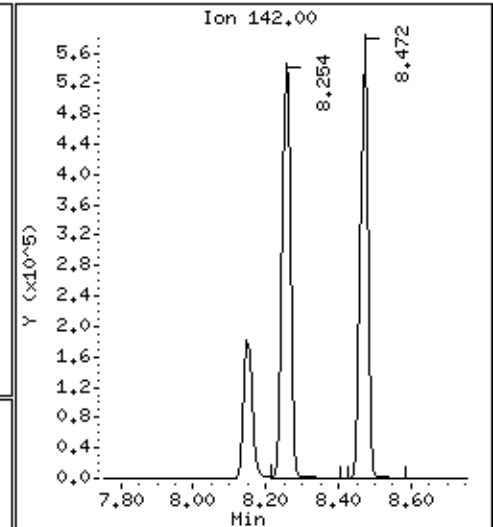
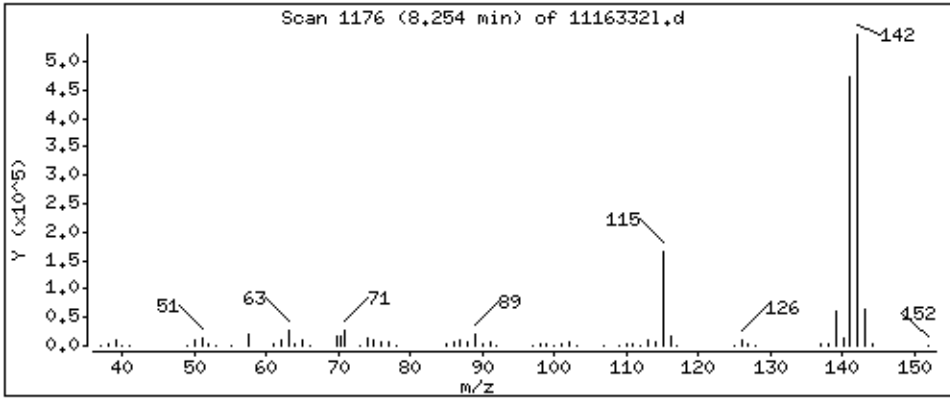
Operator: SN

Column phase: .50um DB-5ms

Column diameter: 0,25

39 2-Methylnaphthalene

Concentration: 73,12 ug/L



Date : 24-JUN-2014 16:52

Client ID: MBLCS

Instrument: 50MSS2.i

Sample Info: 1116445

Volume Injected (uL): 1.0

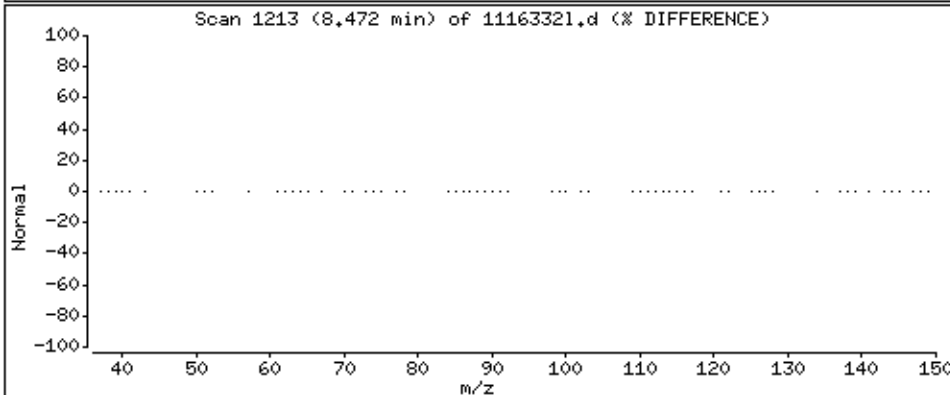
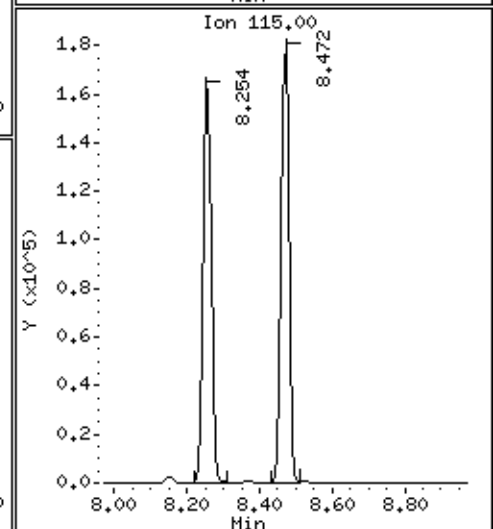
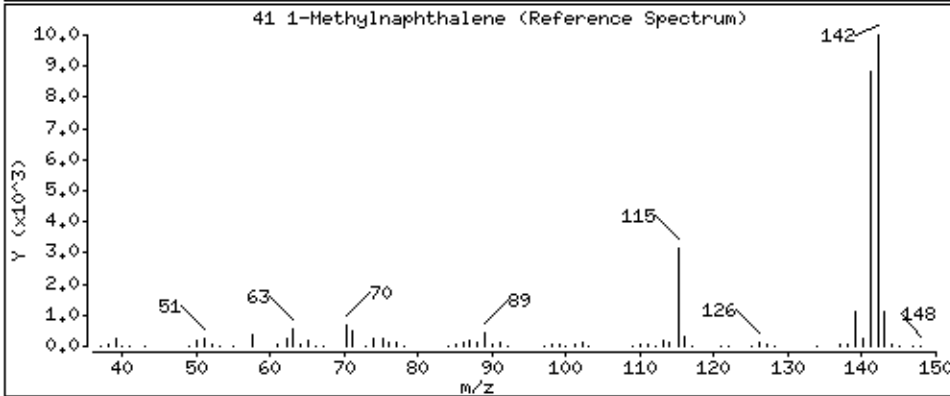
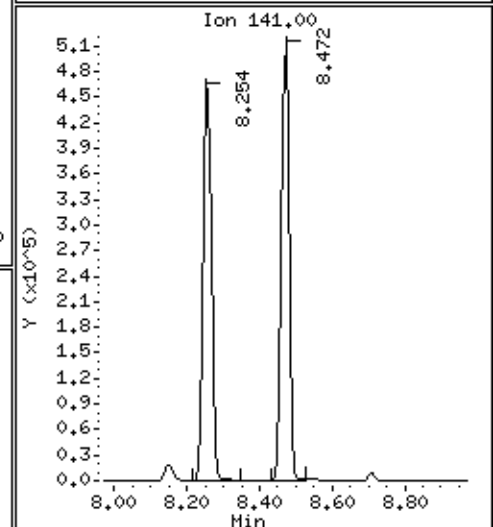
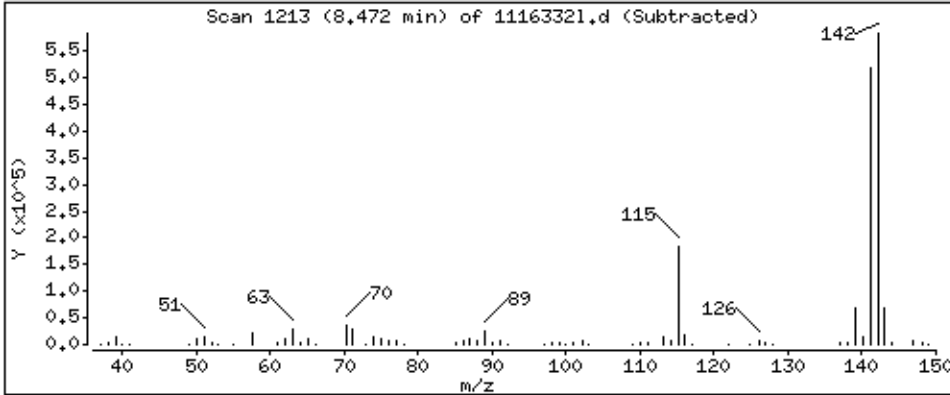
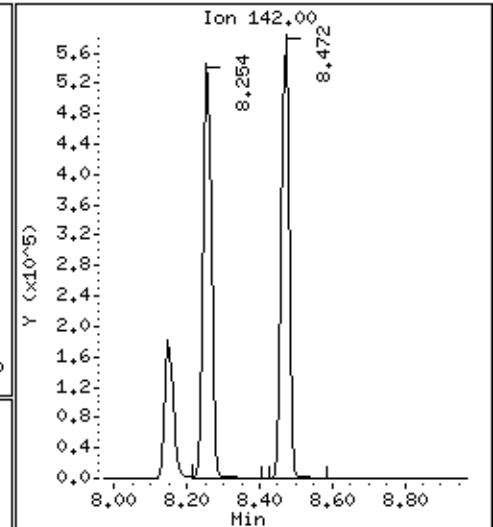
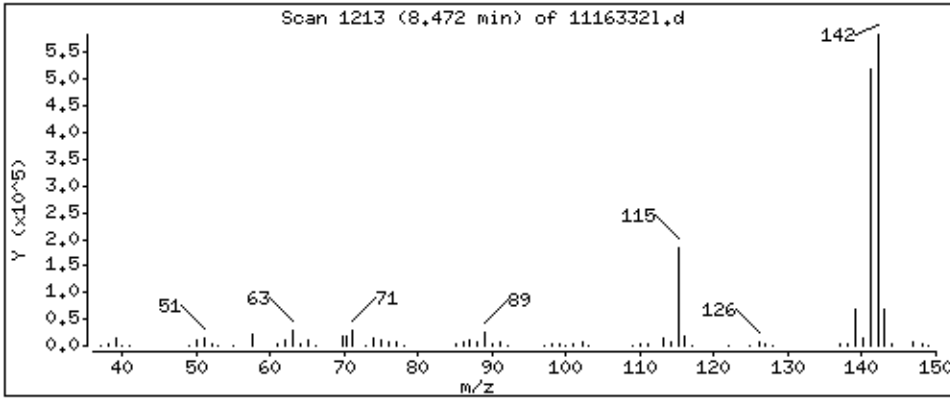
Operator: SN

Column phase: .50um DB-5ms

Column diameter: 0,25

41 1-Methylnaphthalene

Concentration: 71.62 ug/L



Date : 24-JUN-2014 16:52

Client ID: MBLCS

Instrument: 50MSS2.i

Sample Info: 1116445

Volume Injected (uL): 1.0

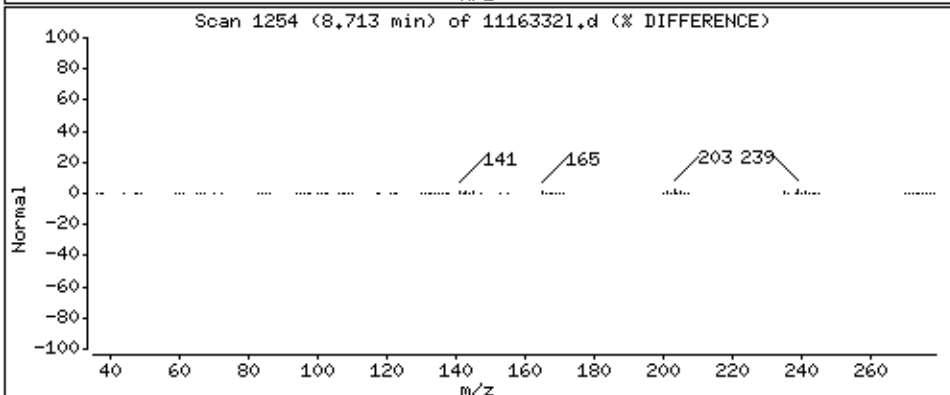
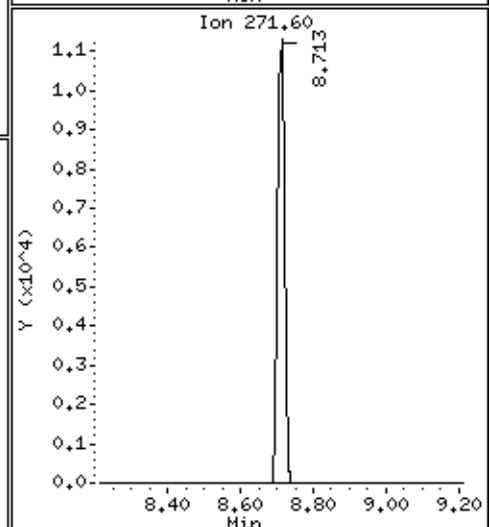
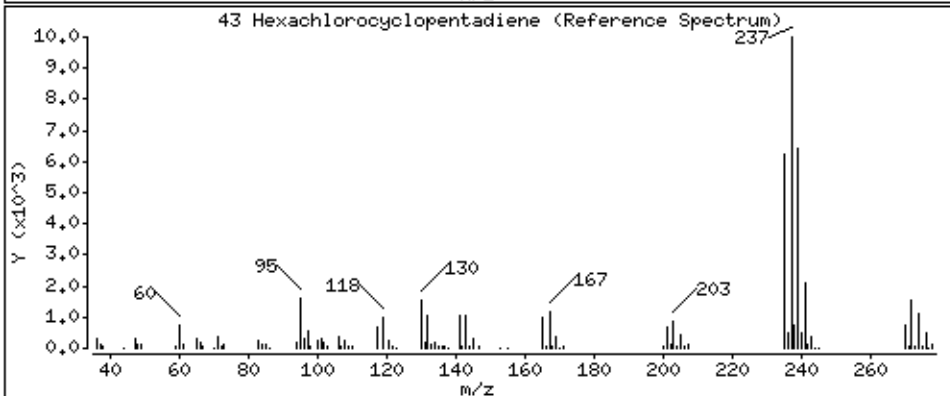
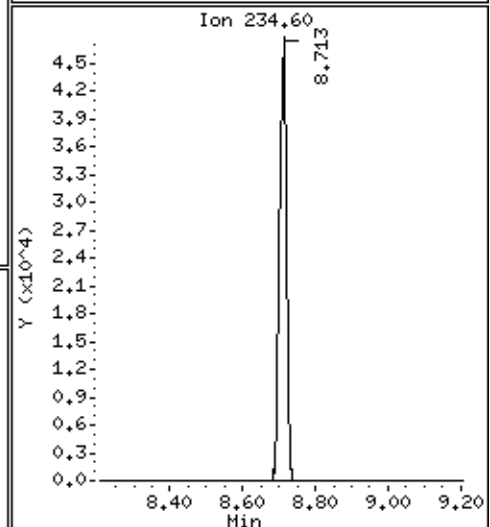
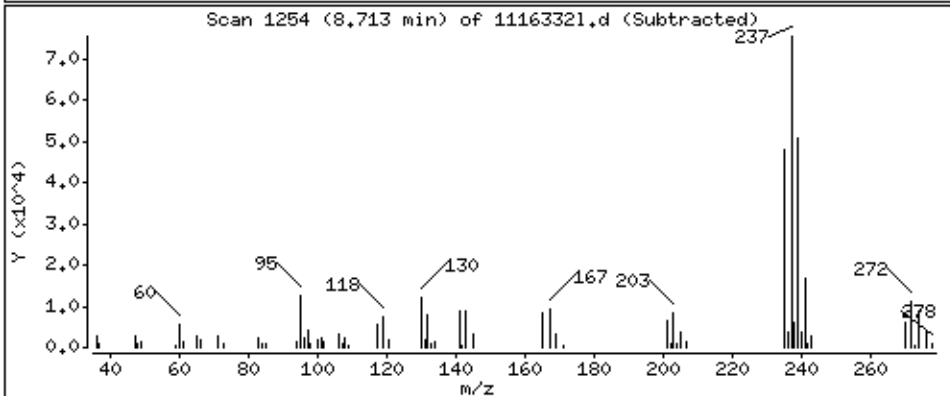
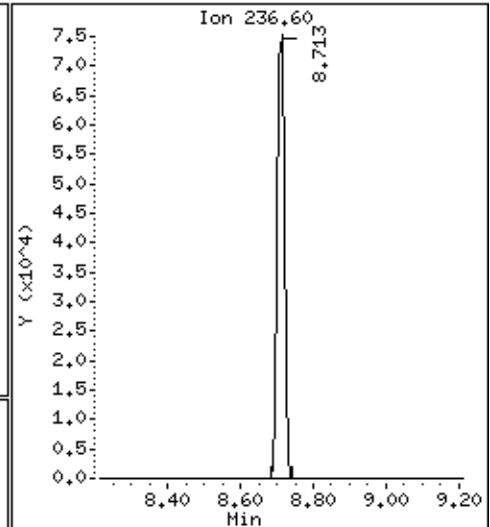
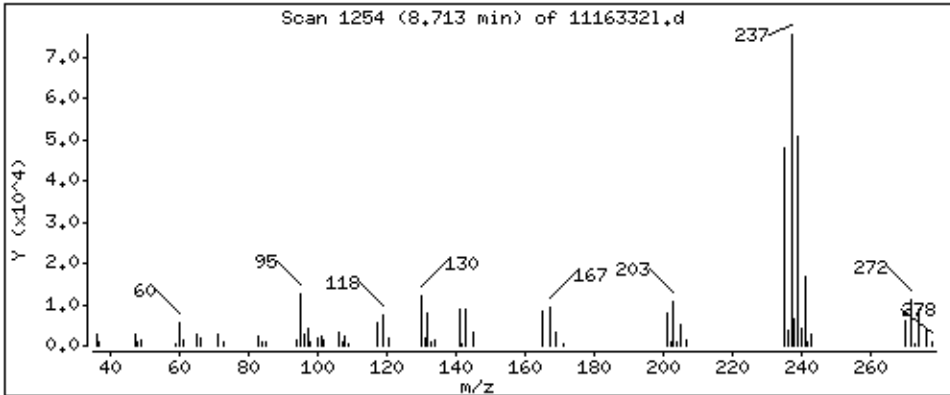
Operator: SN

Column phase: .50um DB-5ms

Column diameter: 0,25

43 Hexachlorocyclopentadiene

Concentration: 42.66 ug/L



Date : 24-JUN-2014 16:52

Client ID: MBLCS

Instrument: 50MSS2.i

Sample Info: 1116445

Volume Injected (uL): 1.0

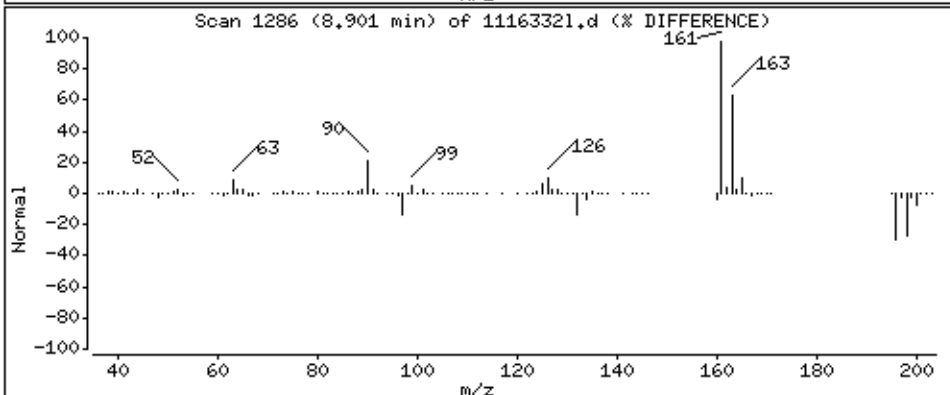
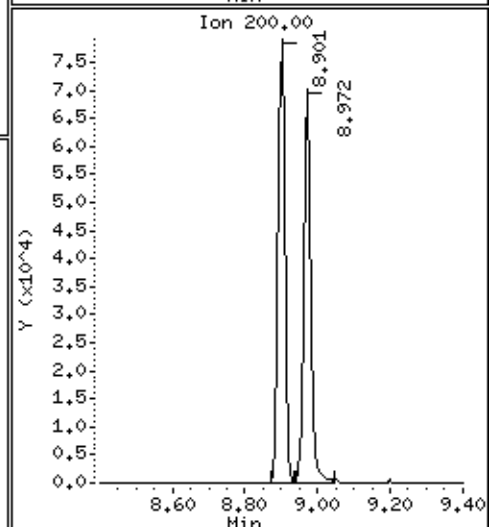
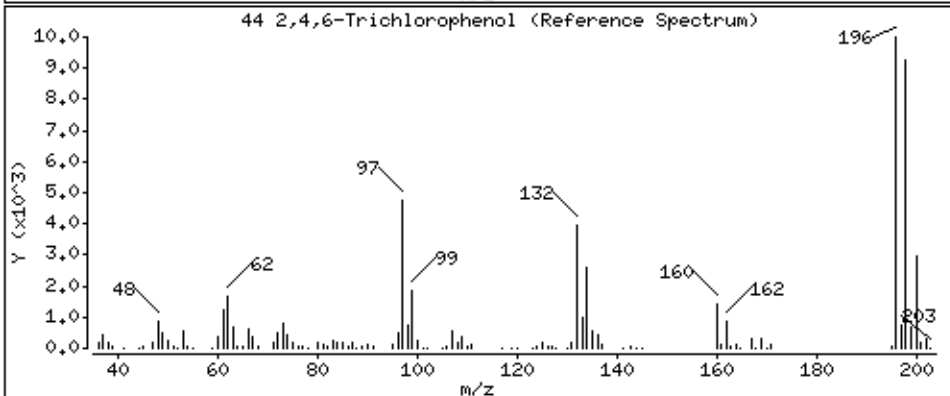
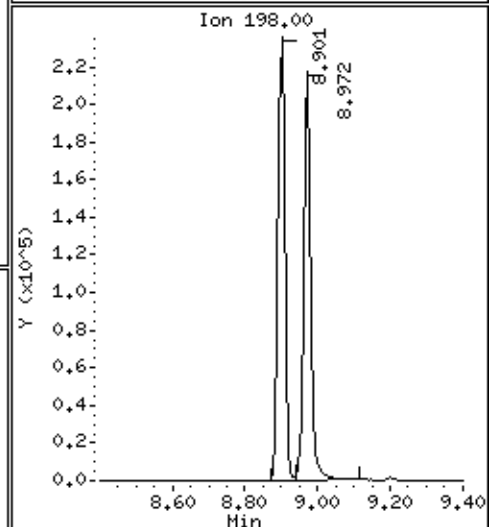
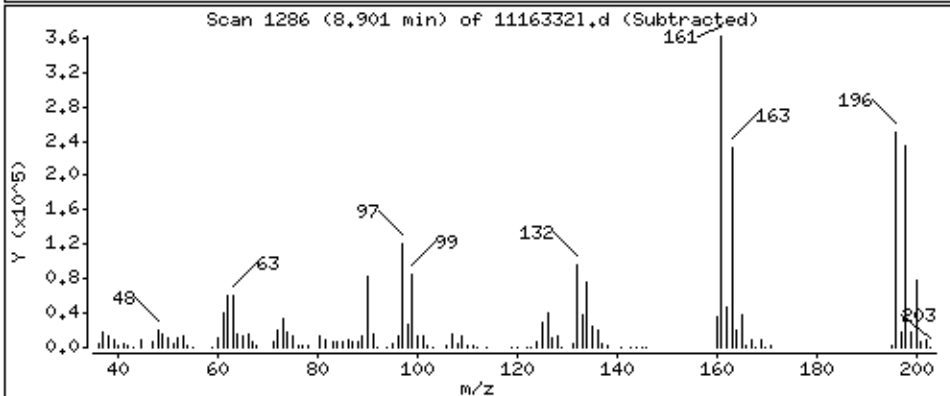
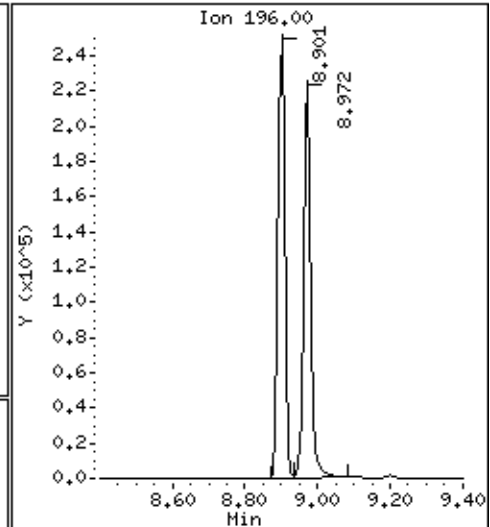
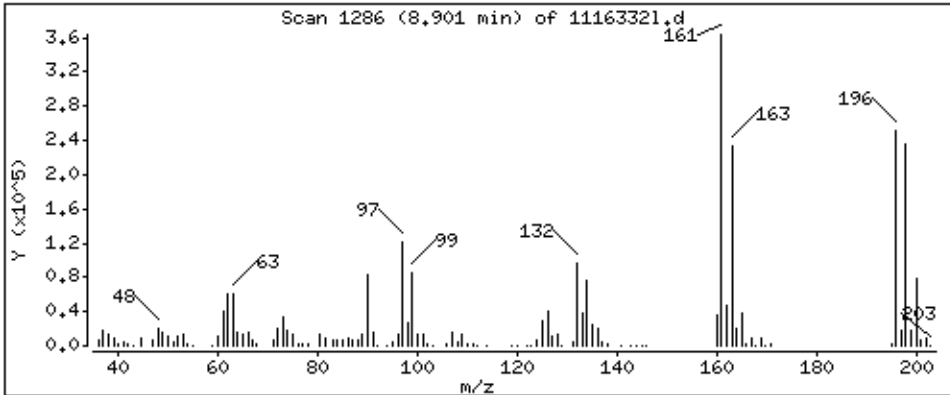
Operator: SN

Column phase: .50um DB-5ms

Column diameter: 0,25

44 2,4,6-Trichlorophenol

Concentration: 84,96 ug/L



Date : 24-JUN-2014 16:52

Client ID: MBLCS

Instrument: 50MSS2.i

Sample Info: 1116445

Volume Injected (uL): 1.0

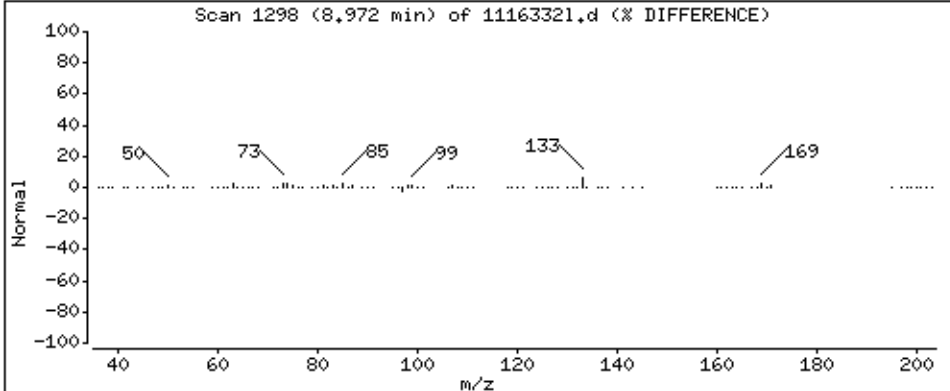
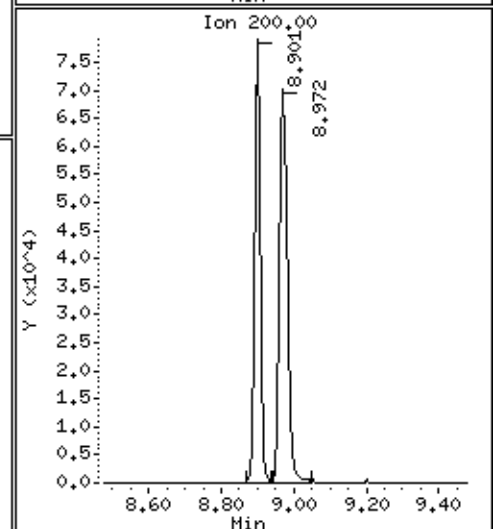
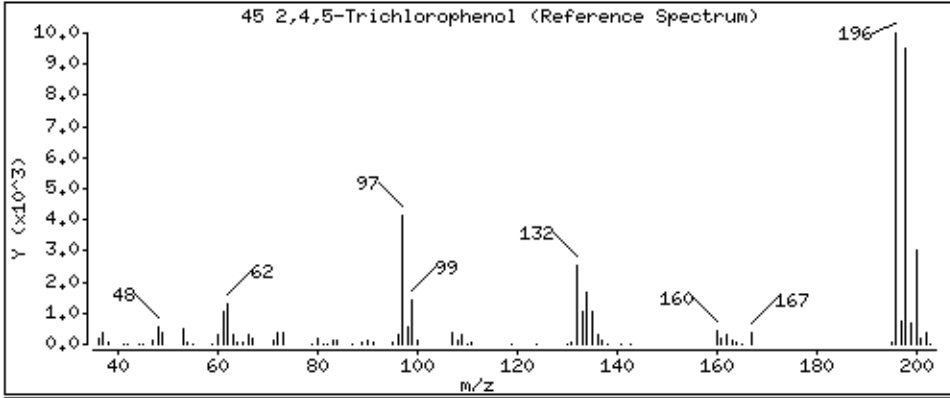
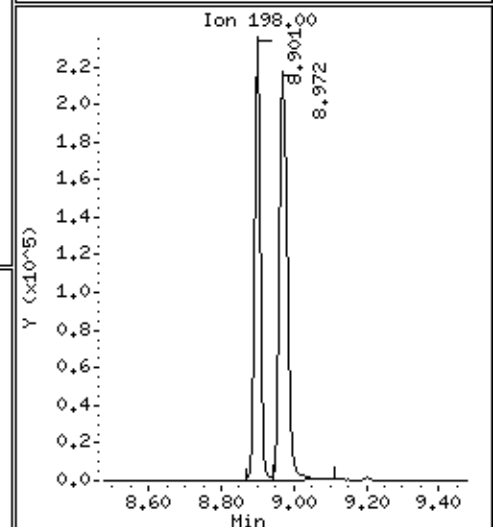
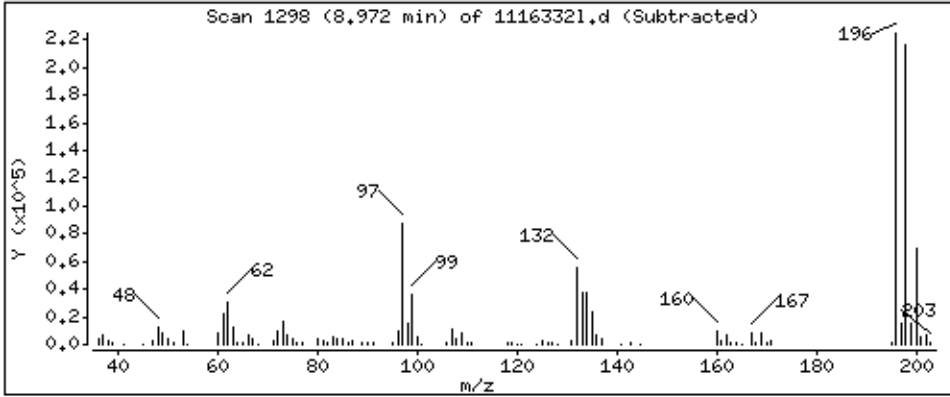
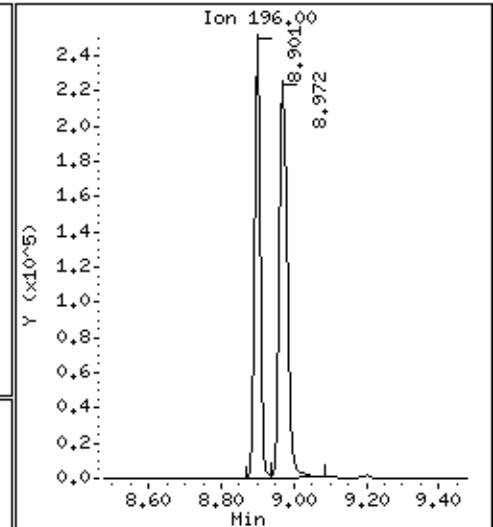
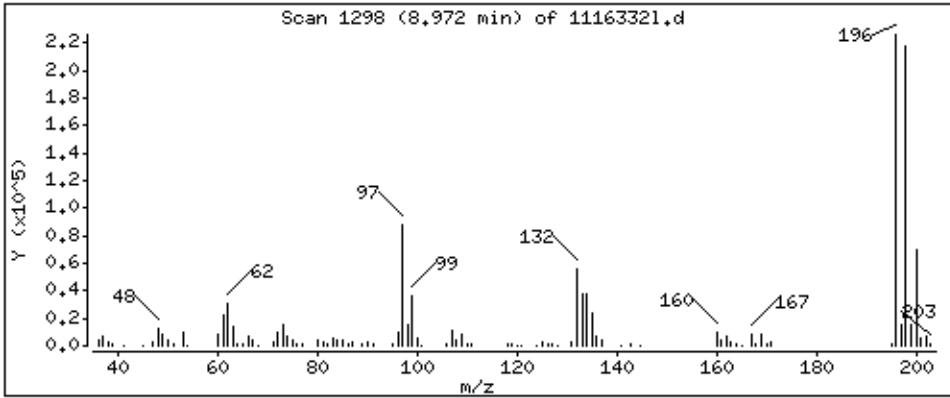
Operator: SN

Column phase: .50um DB-5ms

Column diameter: 0,25

45 2,4,5-Trichlorophenol

Concentration: 84,61 ug/L



Date : 24-JUN-2014 16:52

Client ID: MBLCS

Instrument: 50MSS2.i

Sample Info: 1116445

Volume Injected (uL): 1.0

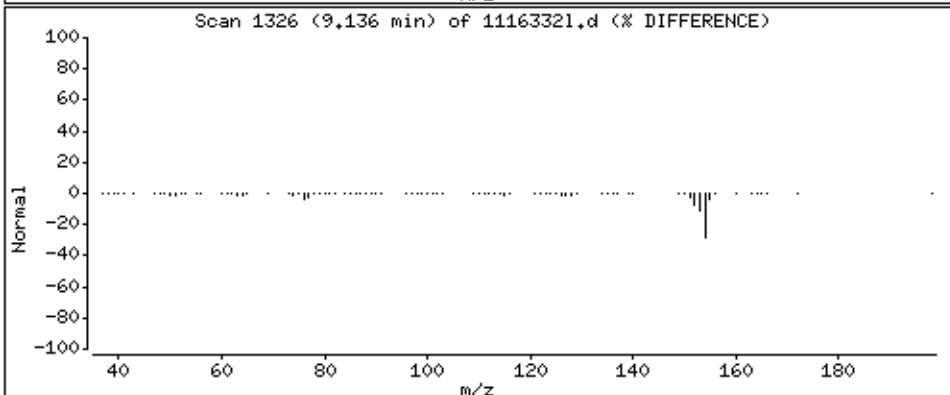
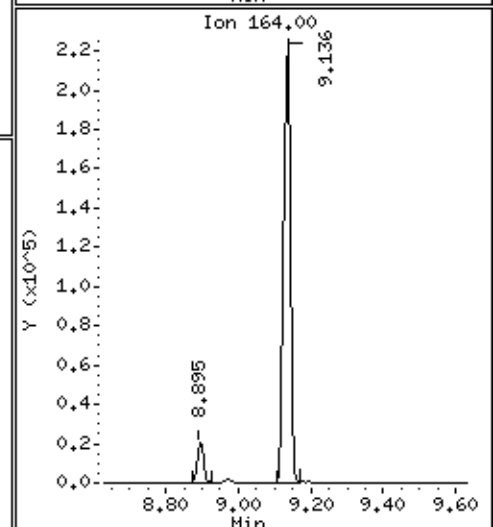
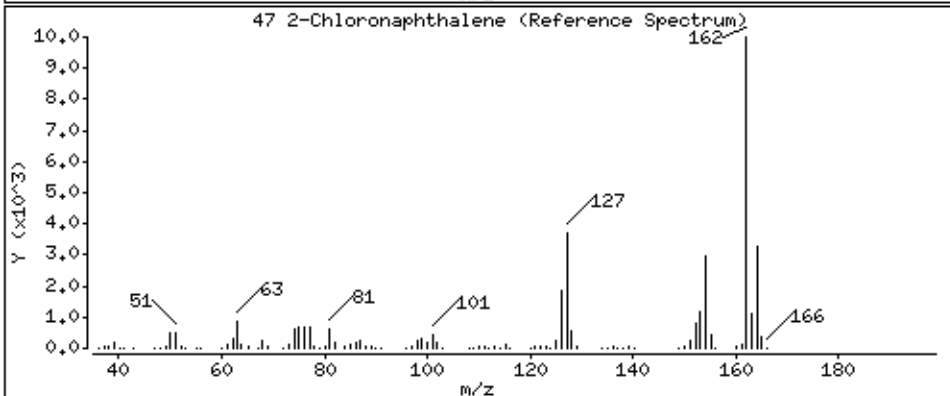
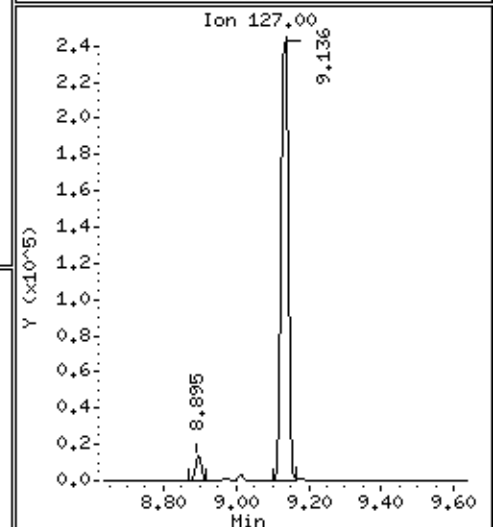
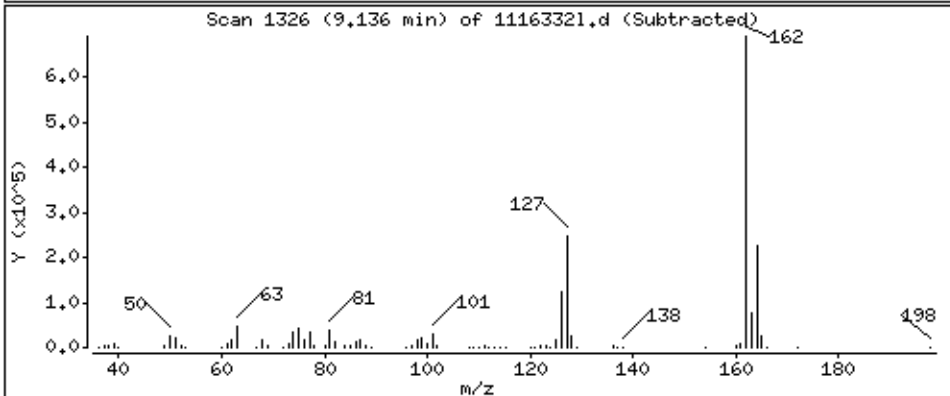
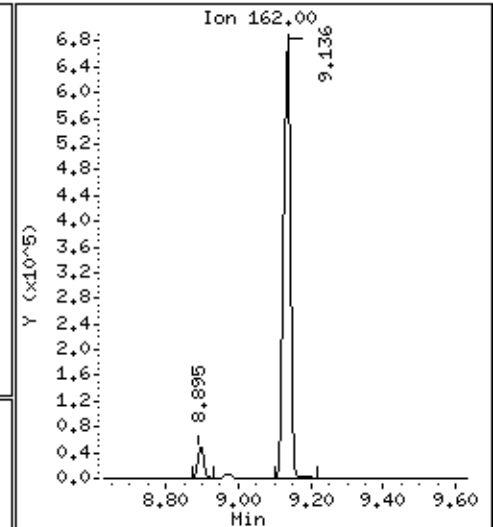
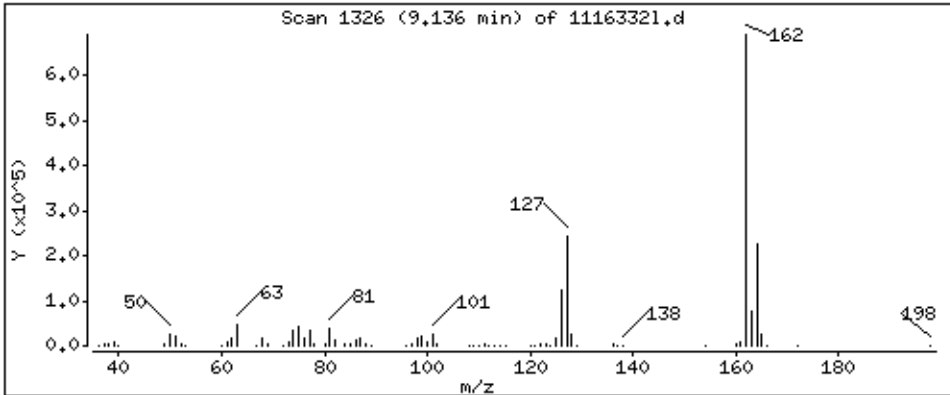
Operator: SN

Column phase: .50um DB-5ms

Column diameter: 0,25

47 2-Chloronaphthalene

Concentration: 83,56 ug/L



Date : 24-JUN-2014 16:52

Client ID: MBLCS

Instrument: 50MSS2.i

Sample Info: 1116445

Volume Injected (uL): 1.0

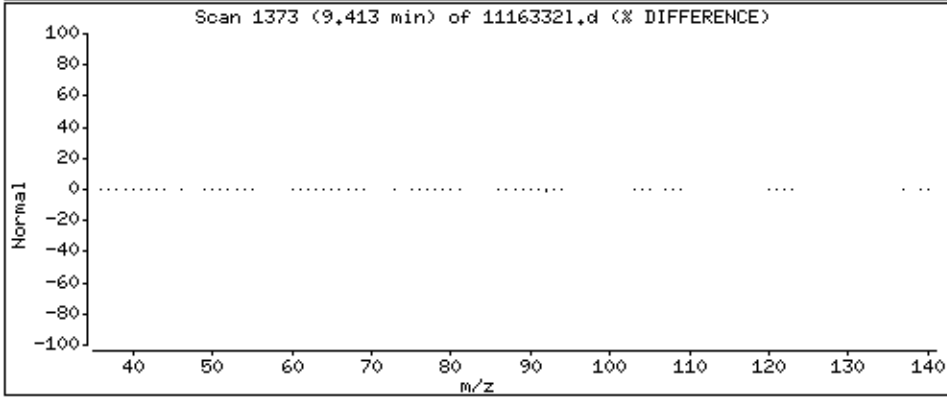
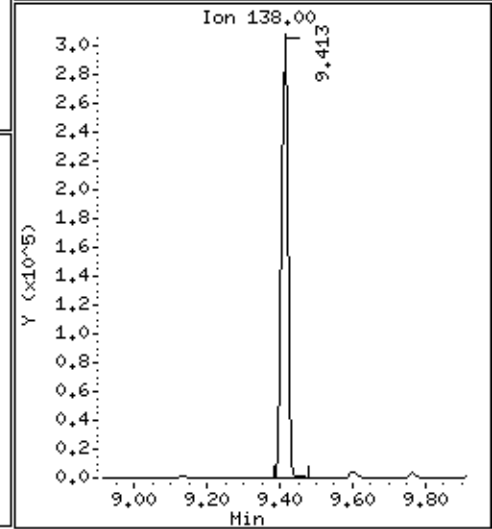
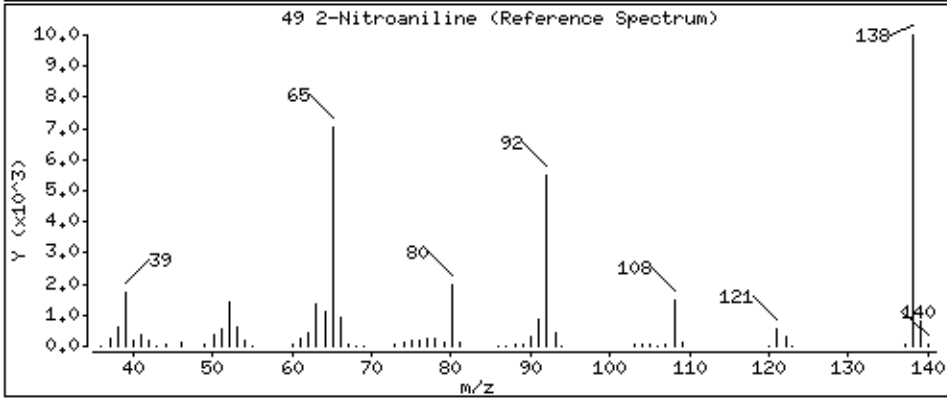
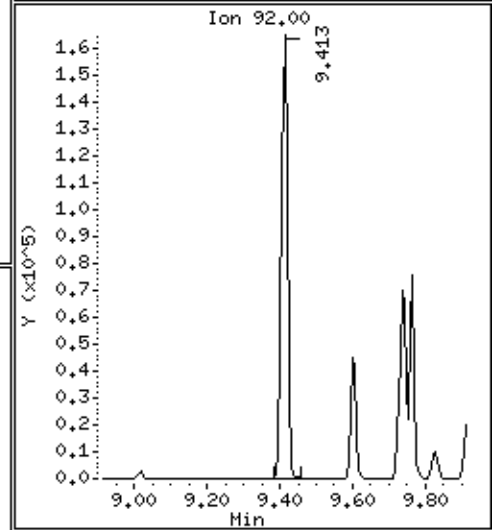
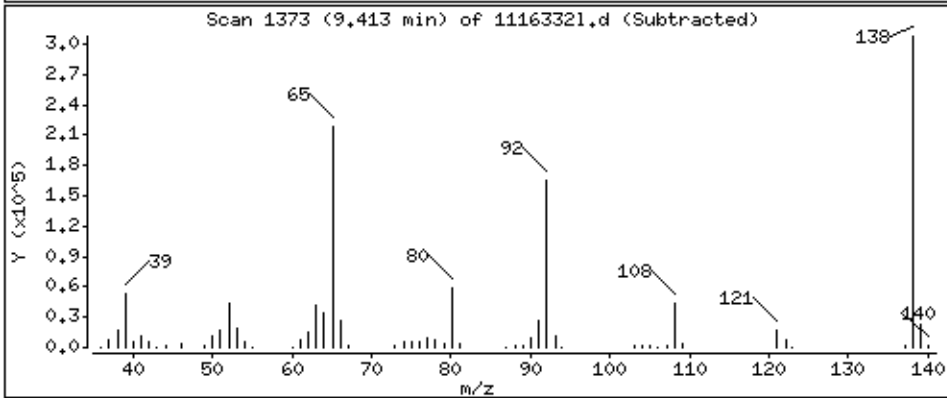
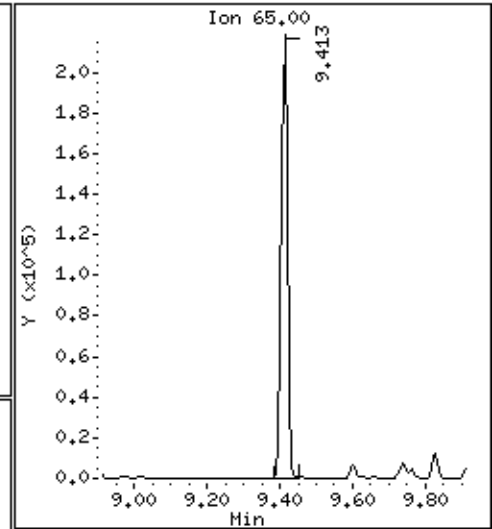
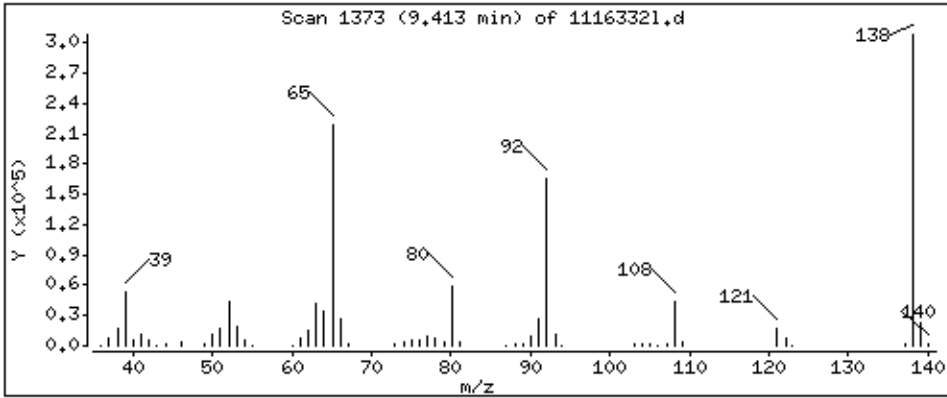
Operator: SN

Column phase: .50um DB-5ms

Column diameter: 0,25

49 2-Nitroaniline

Concentration: 96,74 ug/L



Date : 24-JUN-2014 16:52

Client ID: MBLCS

Instrument: 50MSS2.i

Sample Info: 1116445

Volume Injected (uL): 1.0

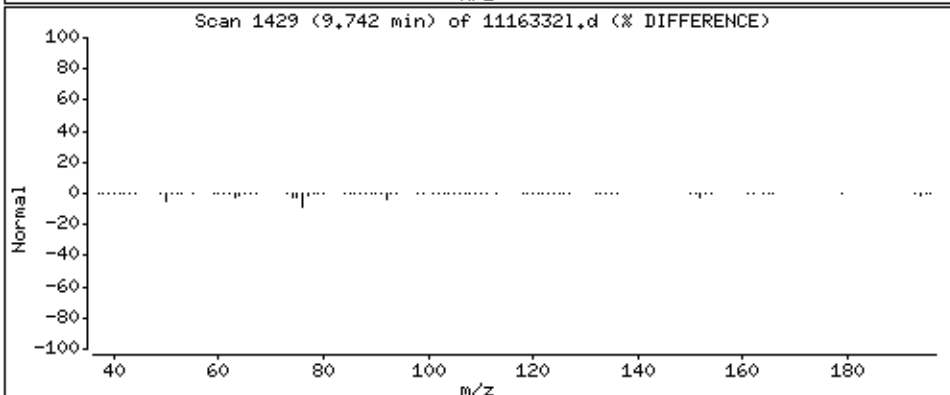
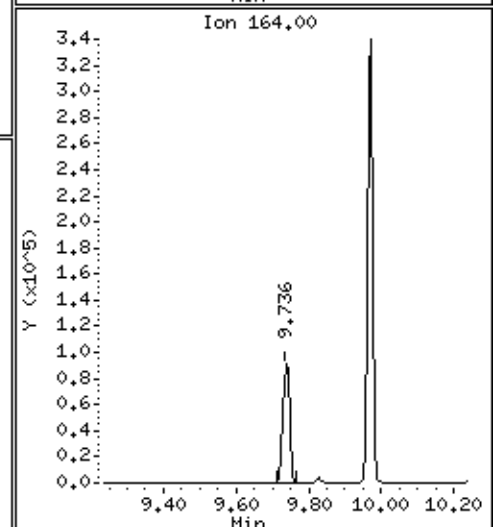
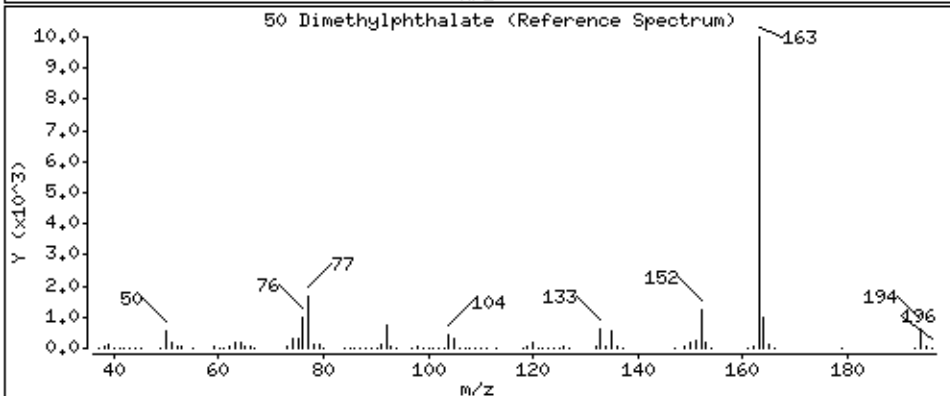
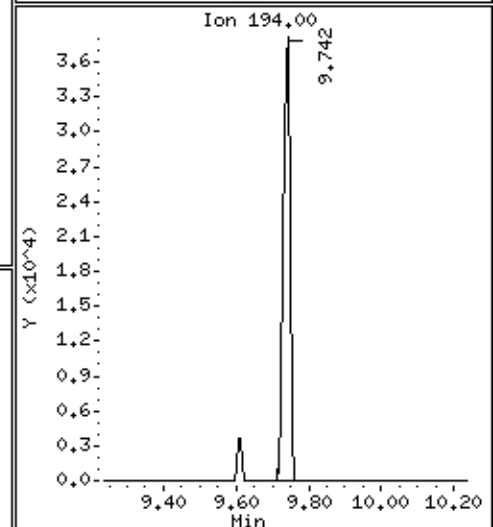
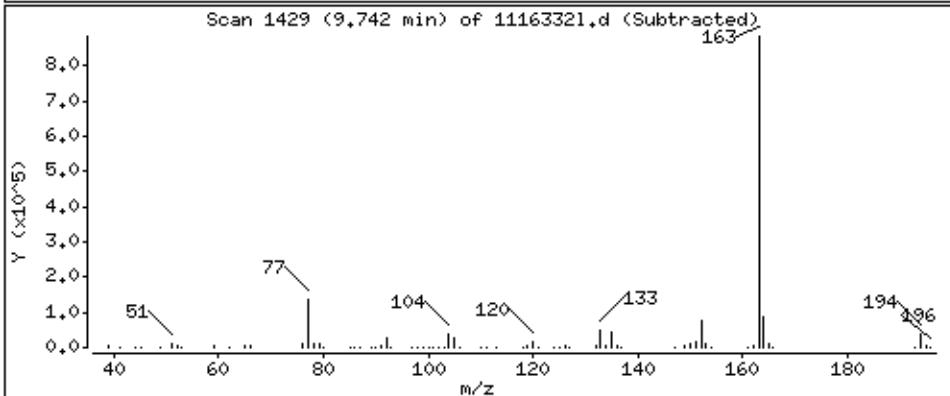
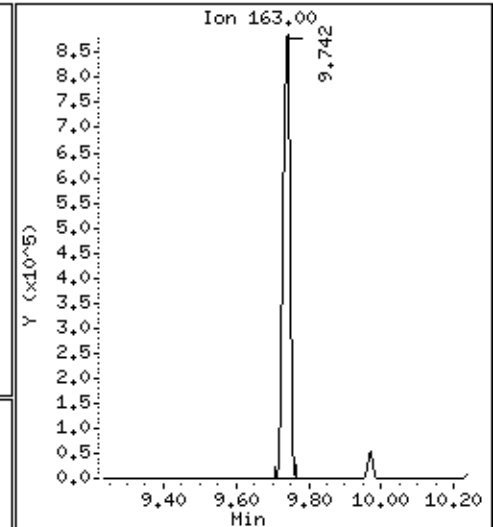
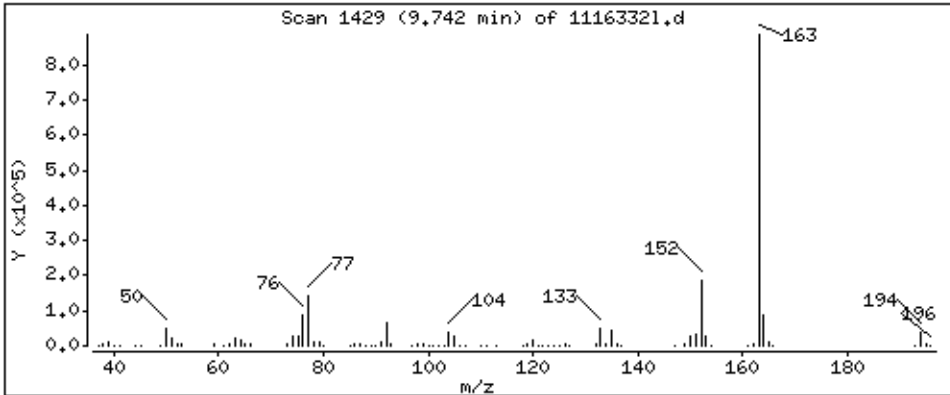
Operator: SN

Column phase: .50um DB-5ms

Column diameter: 0,25

50 Dimethylphthalate

Concentration: 92,74 ug/L



Date : 24-JUN-2014 16:52

Client ID: MBLCS

Instrument: 50MSS2.i

Sample Info: 1116445

Volume Injected (uL): 1.0

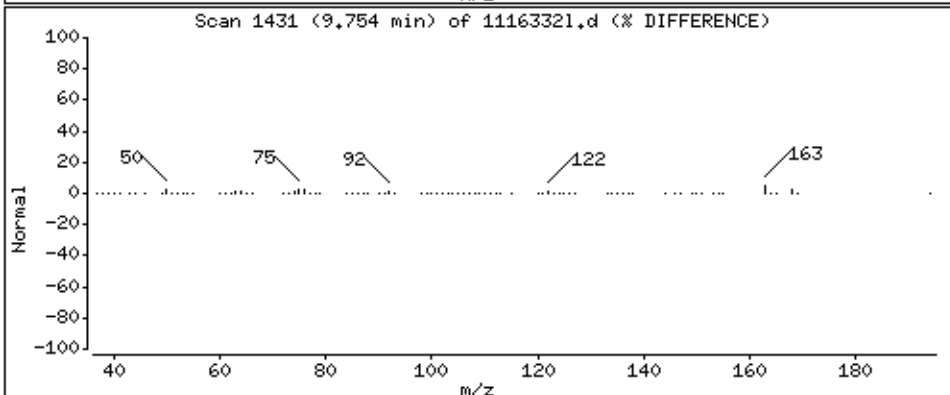
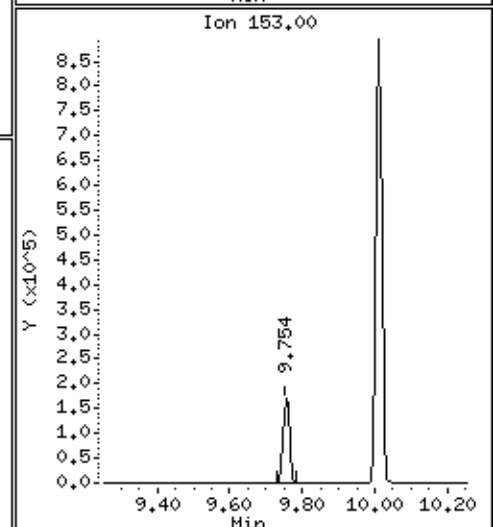
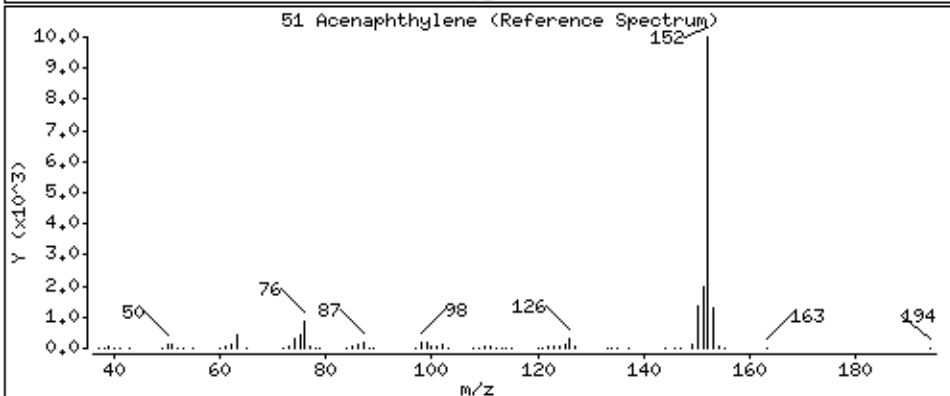
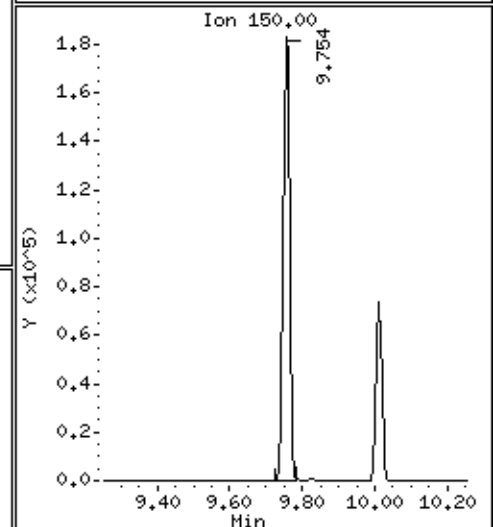
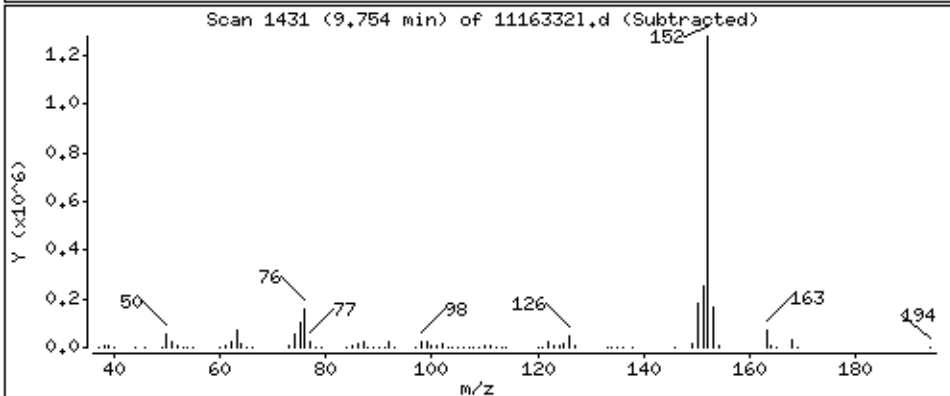
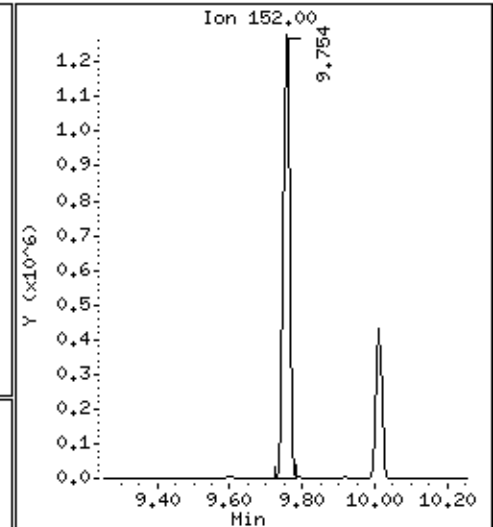
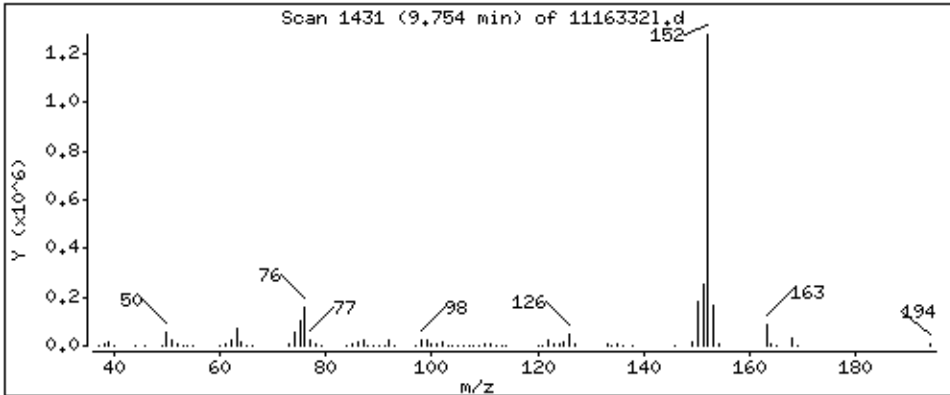
Operator: SN

Column phase: .50um DB-5ms

Column diameter: 0,25

51 Acenaphthylene

Concentration: 84,30 ug/L



Date : 24-JUN-2014 16:52

Client ID: MBLCS

Instrument: 50MSS2.i

Sample Info: 1116445

Volume Injected (uL): 1.0

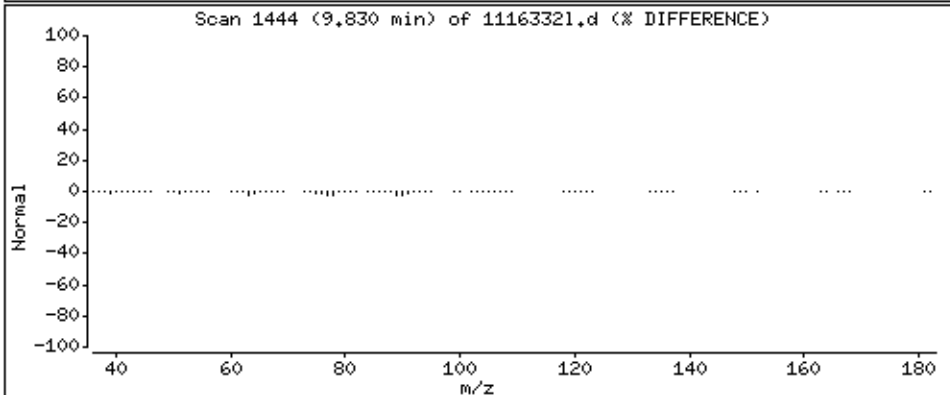
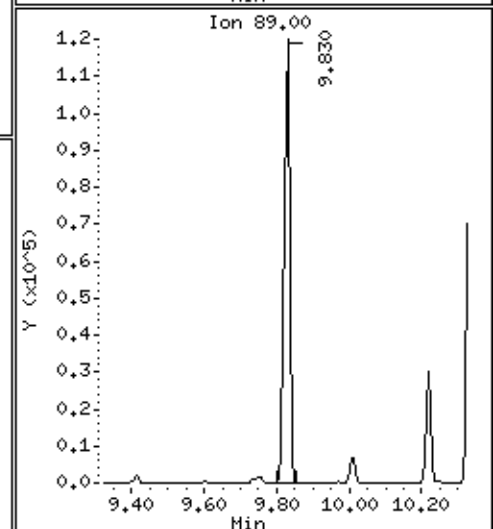
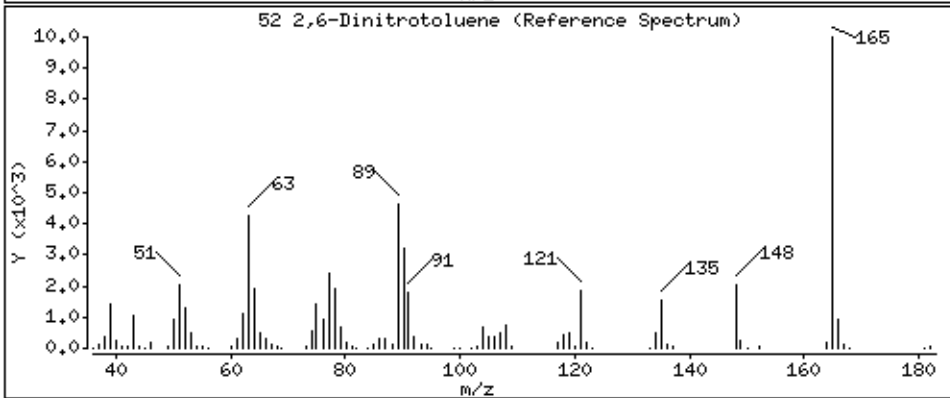
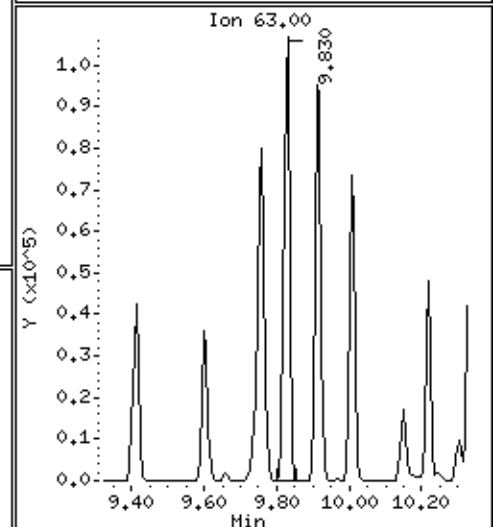
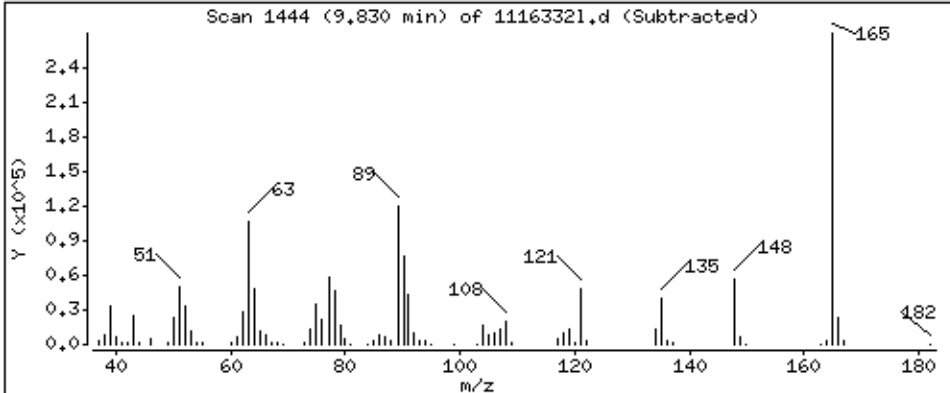
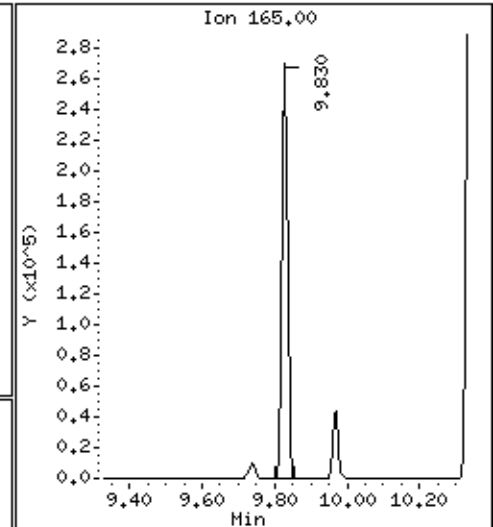
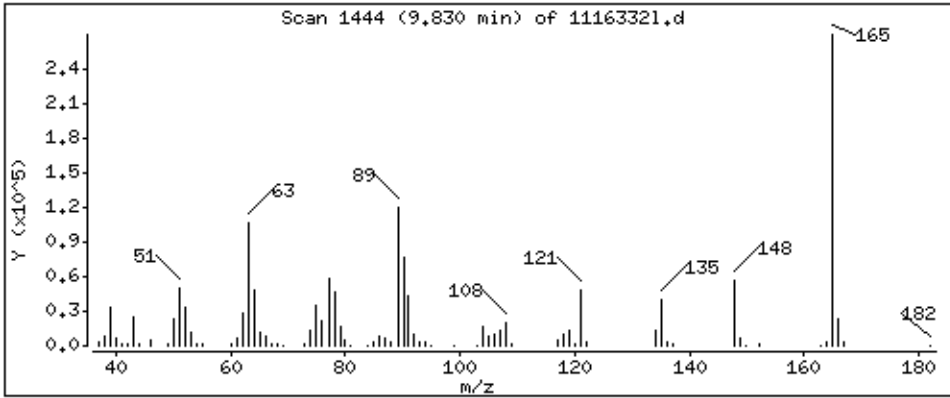
Operator: SN

Column phase: .50um DB-5ms

Column diameter: 0,25

52 2,6-Dinitrotoluene

Concentration: 102.1 ug/L



Date : 24-JUN-2014 16:52

Client ID: MBLCS

Instrument: 50MSS2.i

Sample Info: 1116445

Volume Injected (uL): 1.0

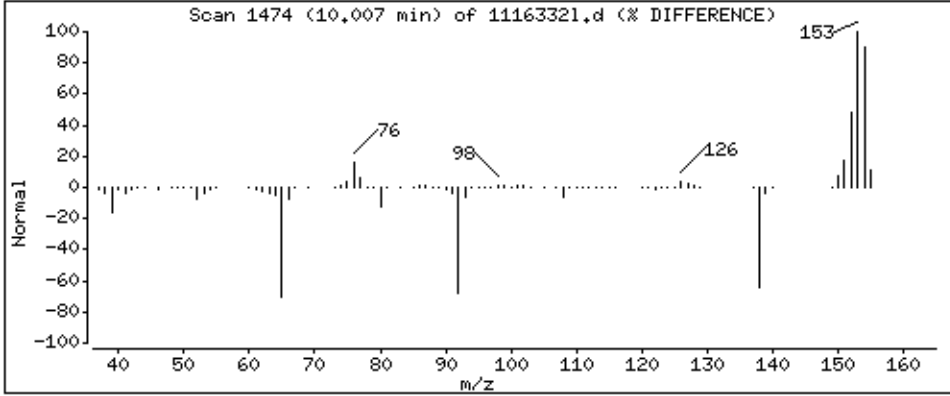
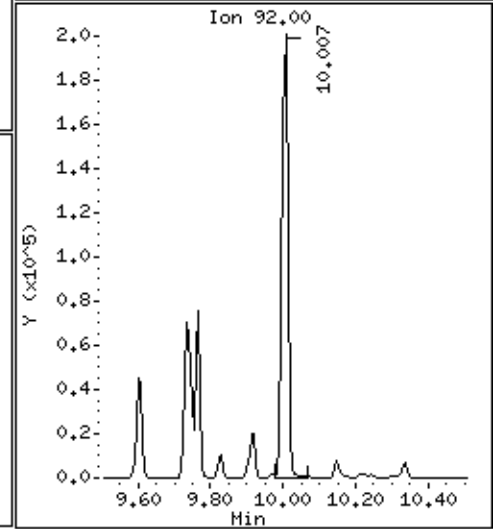
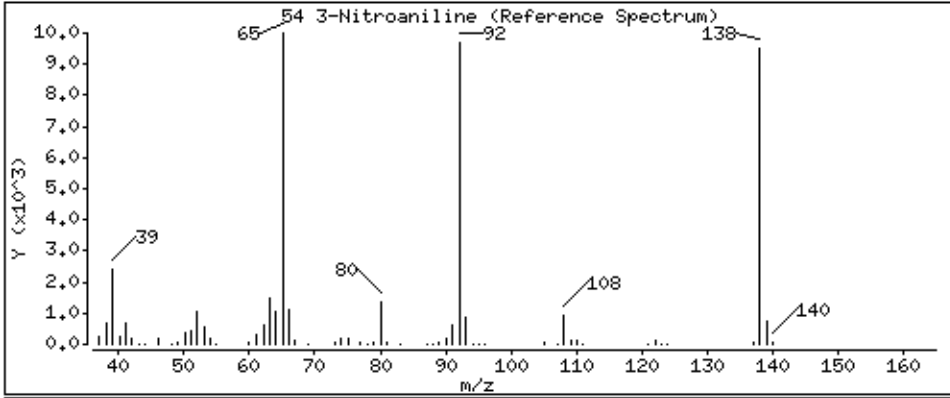
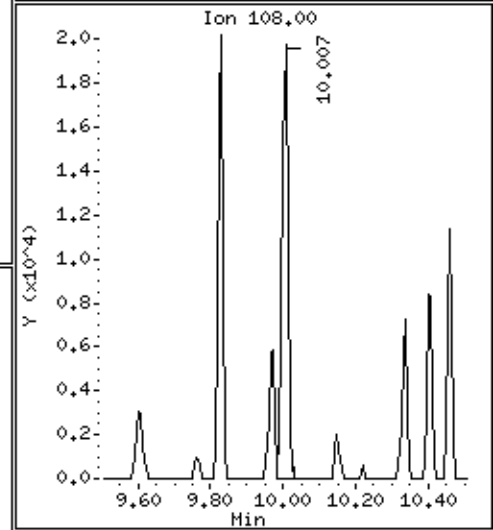
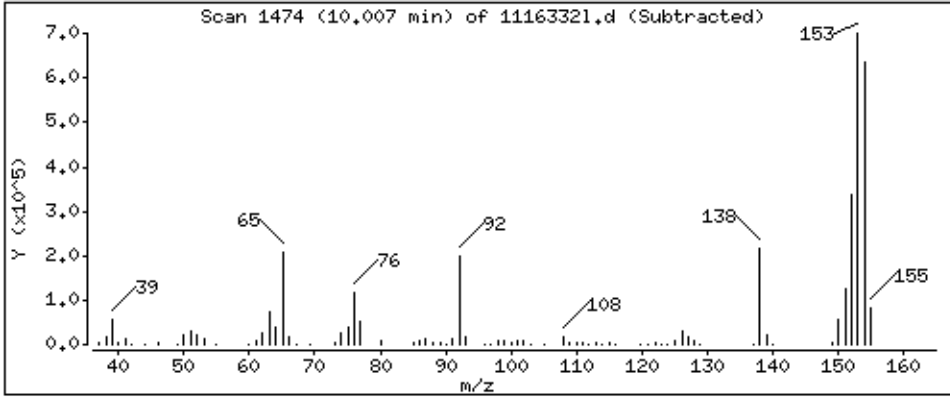
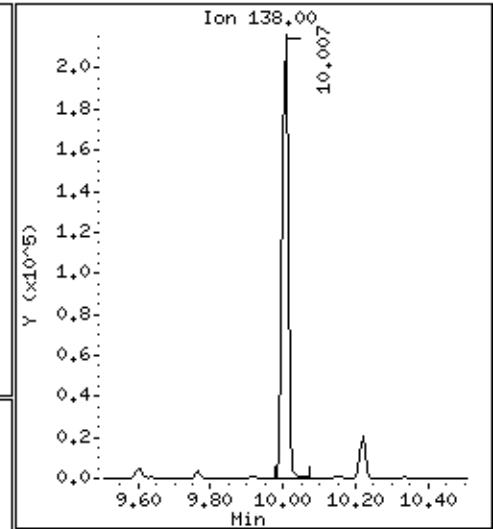
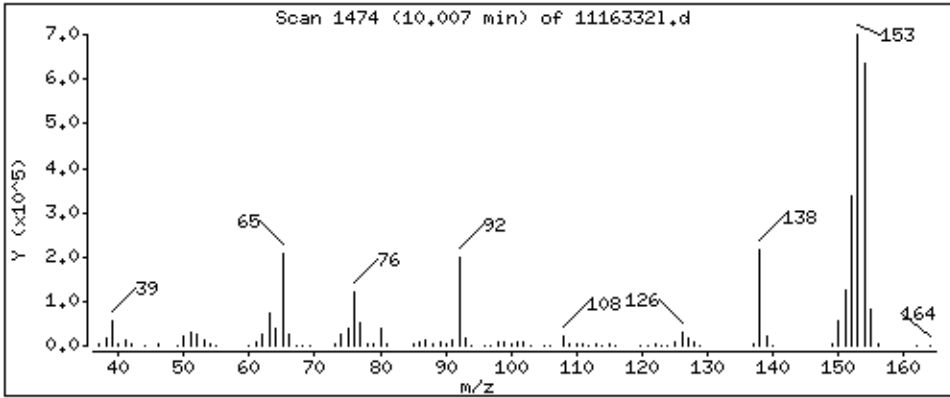
Operator: SN

Column phase: .50um DB-5ms

Column diameter: 0,25

54 3-Nitroaniline

Concentration: 80,03 ug/L



Date : 24-JUN-2014 16:52

Client ID: MBLCS

Instrument: 50MSS2.i

Sample Info: 1116445

Volume Injected (uL): 1.0

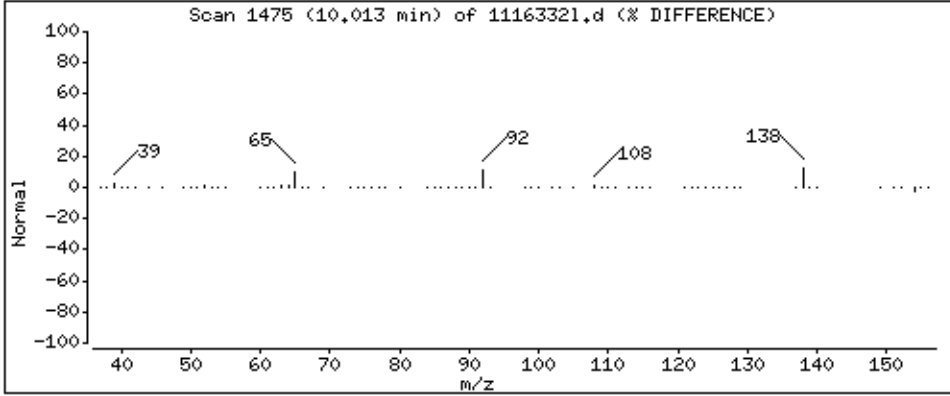
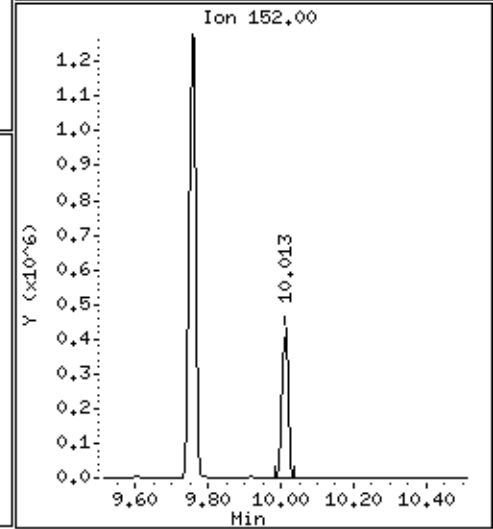
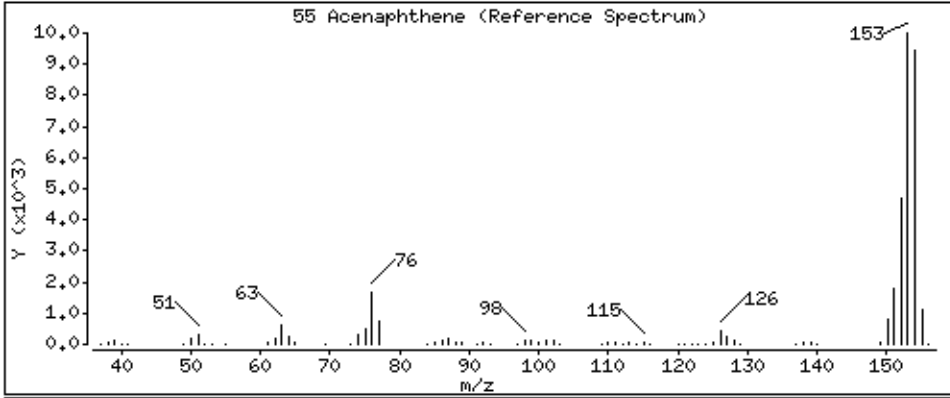
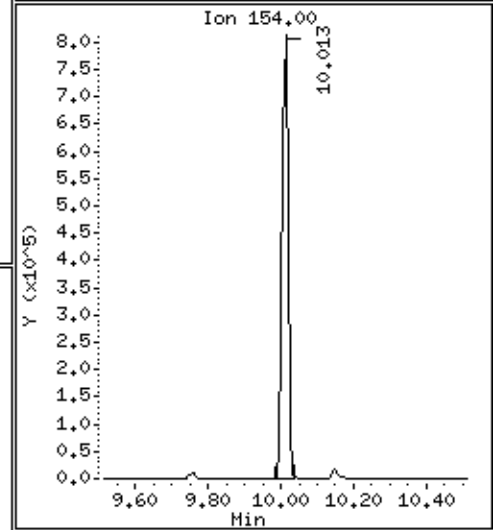
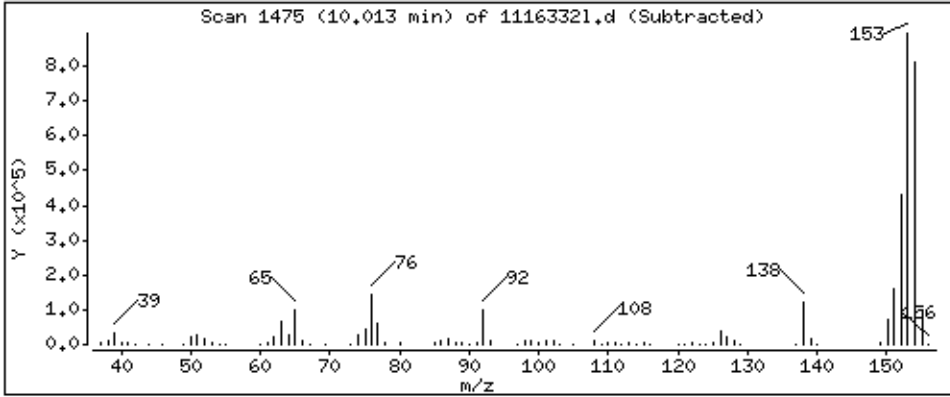
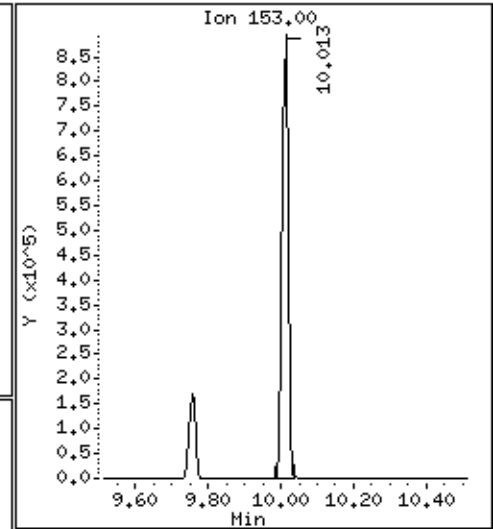
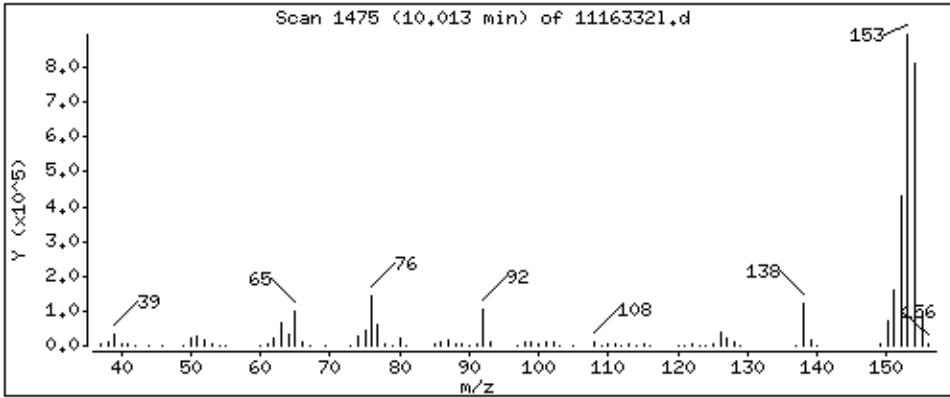
Operator: SN

Column phase: .50um DB-5ms

Column diameter: 0,25

55 Acenaphthene

Concentration: 85,88 ug/L



Date : 24-JUN-2014 16:52

Client ID: MBLCS

Instrument: 50MSS2.i

Sample Info: 1116445

Volume Injected (uL): 1.0

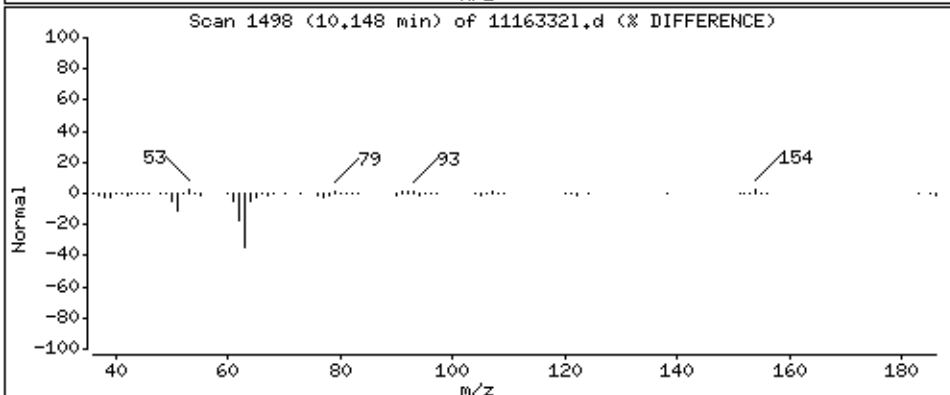
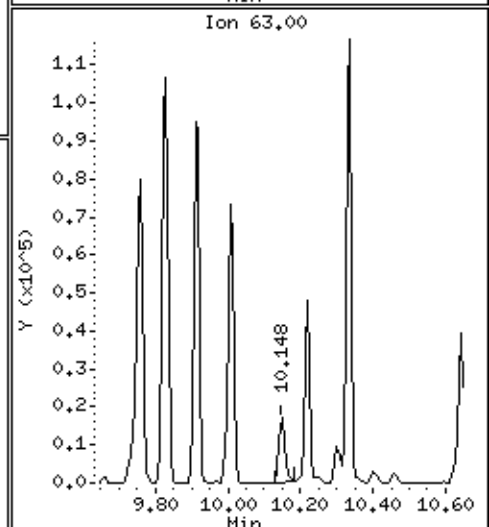
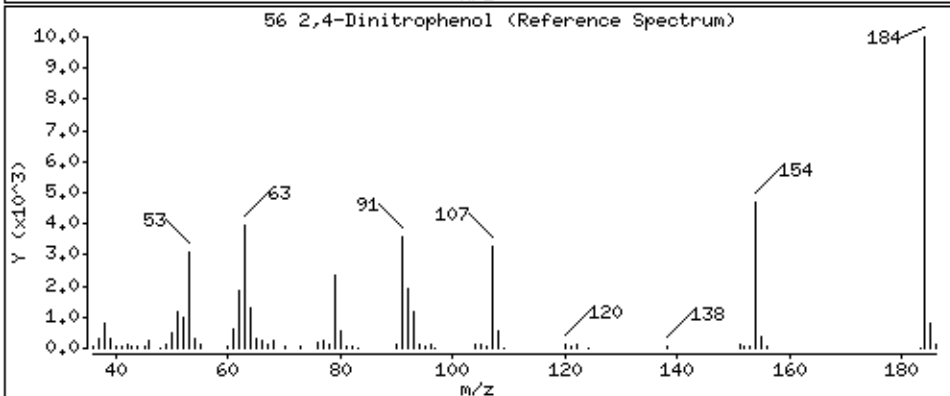
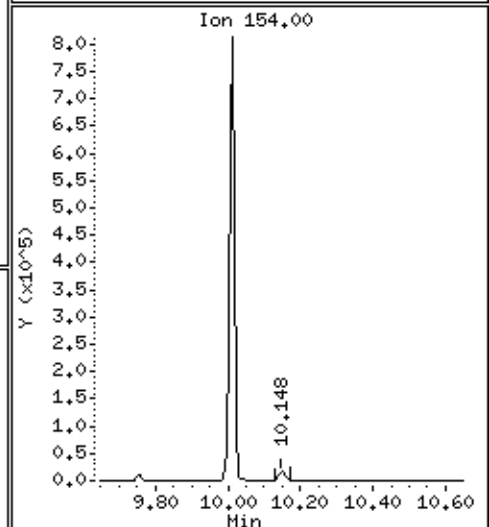
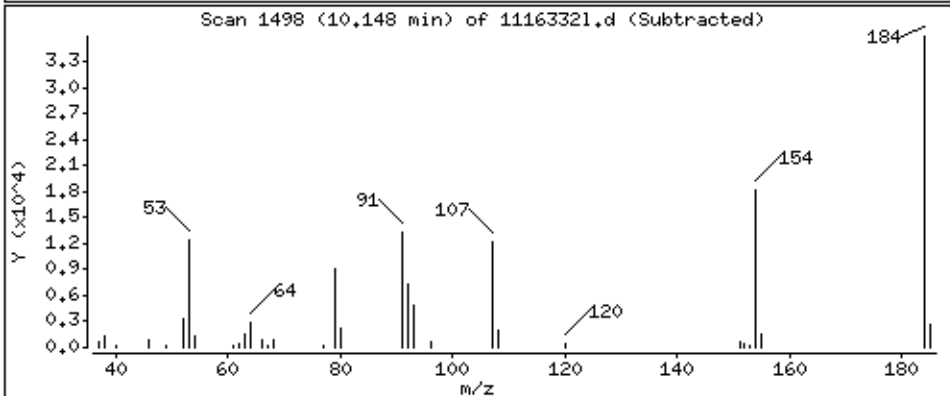
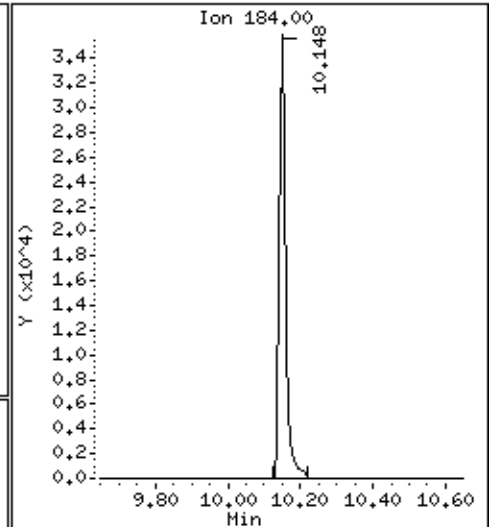
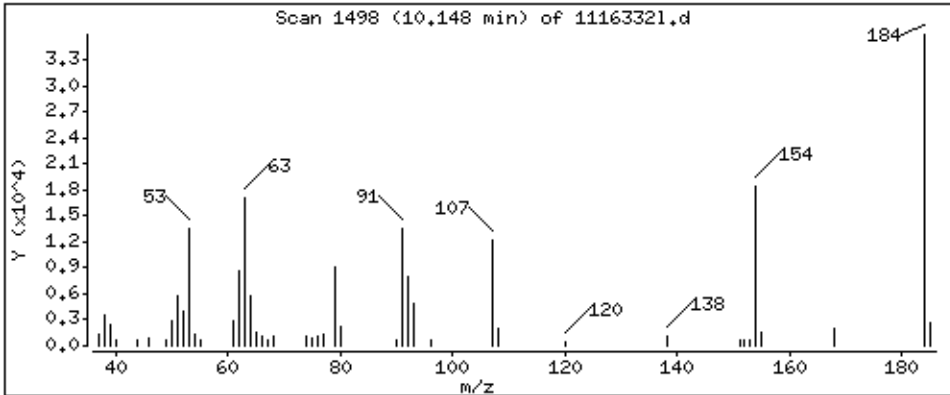
Operator: SN

Column phase: .50um DB-5ms

Column diameter: 0,25

56 2,4-Dinitrophenol

Concentration: 30,58 ug/L



Date : 24-JUN-2014 16:52

Client ID: MBLCS

Instrument: 50MSS2.i

Sample Info: 1116445

Volume Injected (uL): 1.0

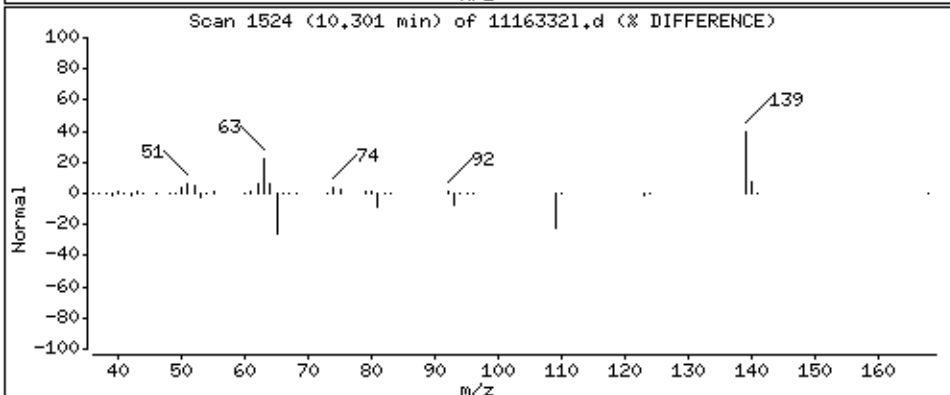
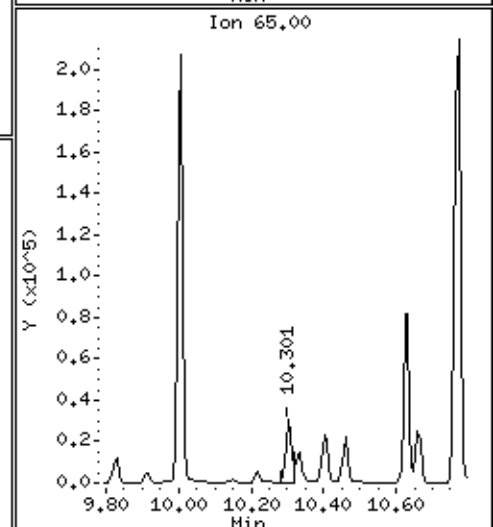
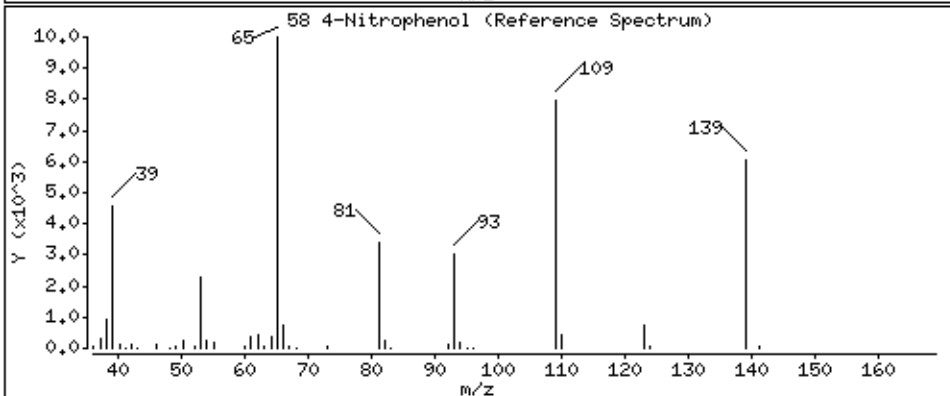
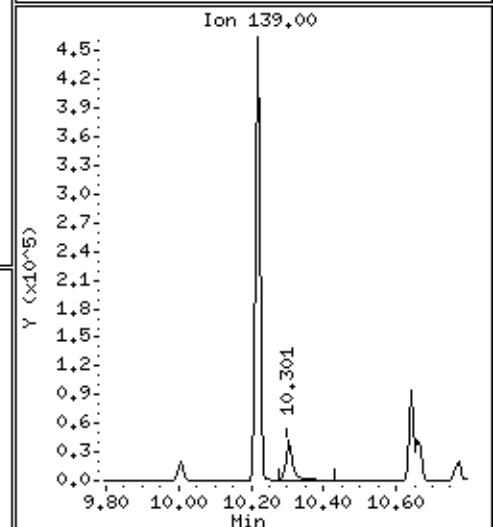
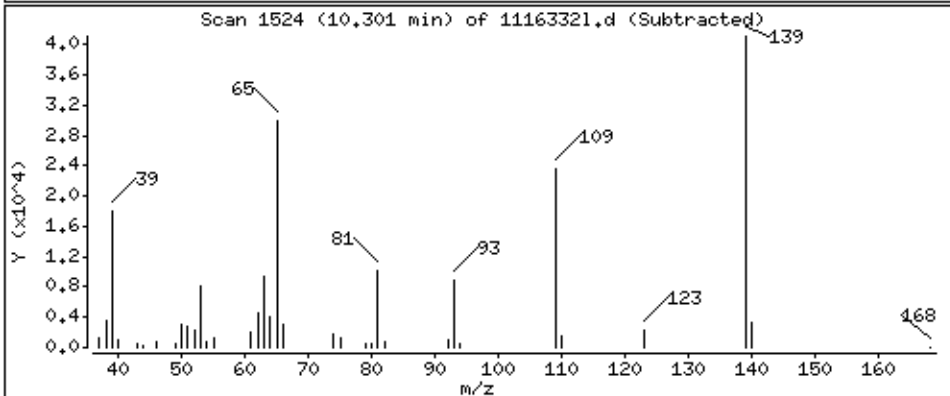
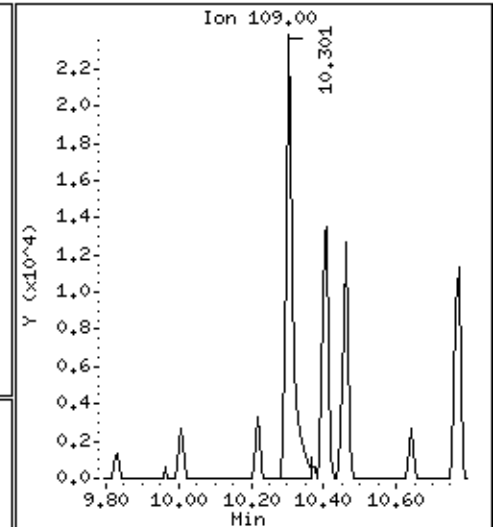
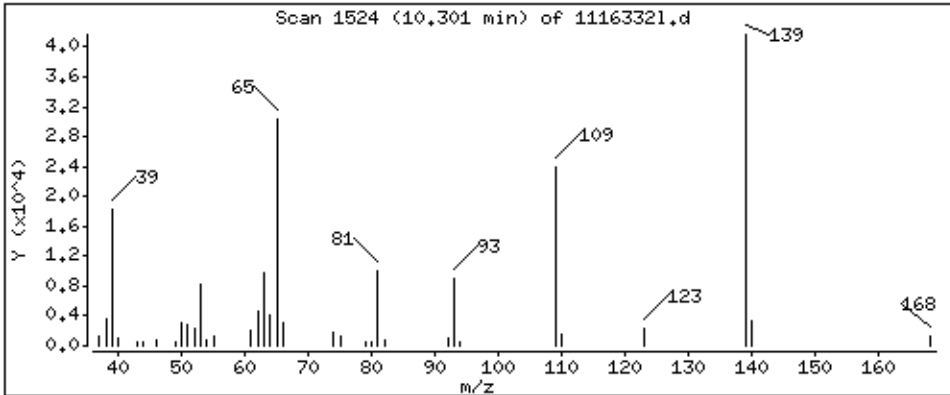
Operator: SN

Column phase: .50um DB-5ms

Column diameter: 0,25

58 4-Nitrophenol

Concentration: 23,24 ug/L



Date : 24-JUN-2014 16:52

Client ID: MBLCS

Instrument: 50MSS2.i

Sample Info: 1116445

Volume Injected (uL): 1.0

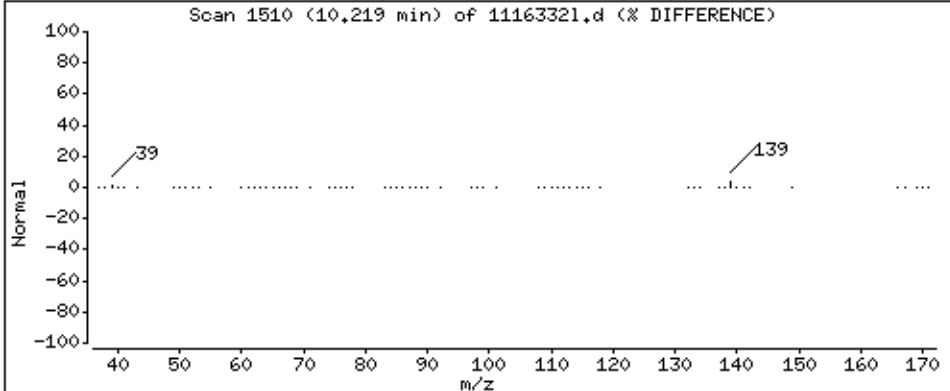
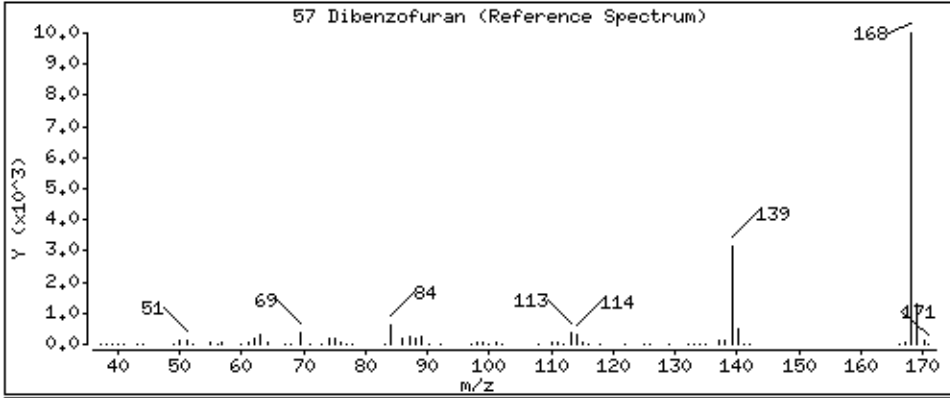
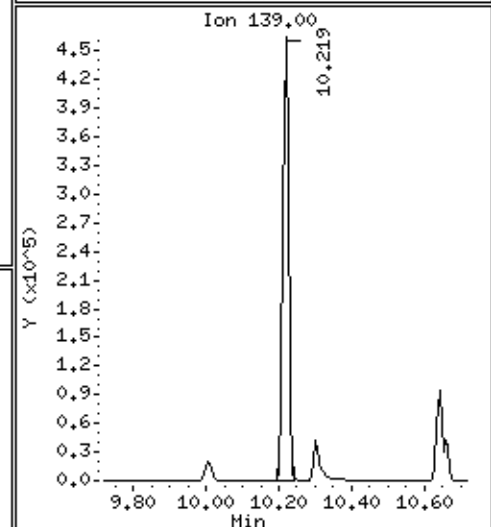
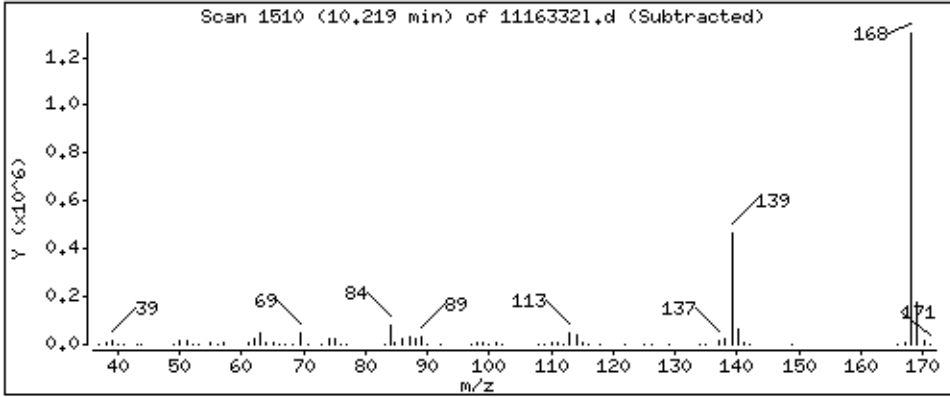
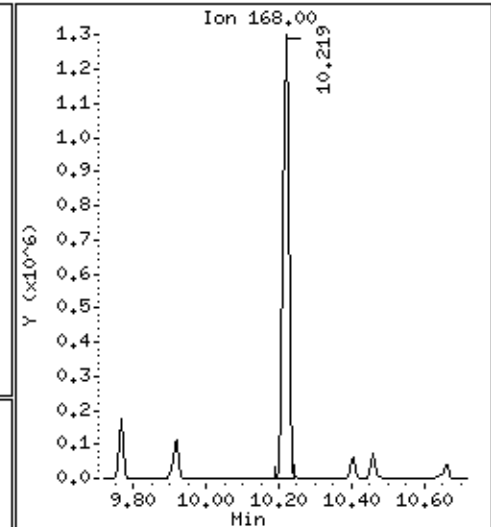
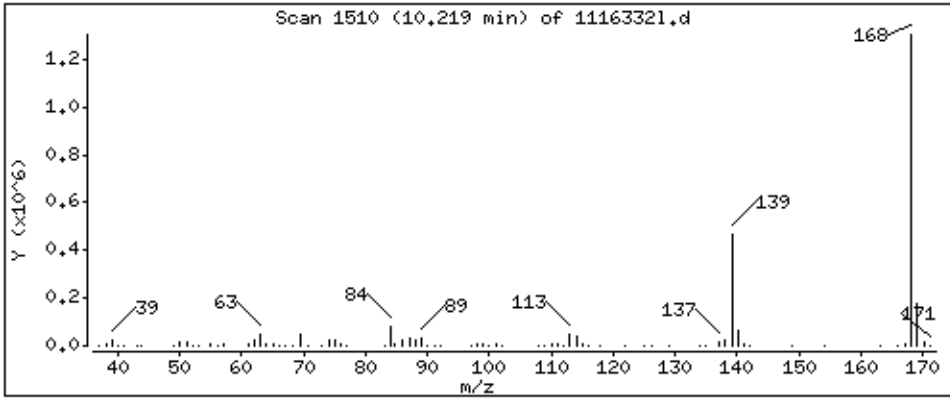
Operator: SN

Column phase: .50um DB-5ms

Column diameter: 0,25

57 Dibenzofuran

Concentration: 86,70 ug/L



Date : 24-JUN-2014 16:52

Client ID: MBLCS

Instrument: 50MSS2.i

Sample Info: 1116445

Volume Injected (uL): 1.0

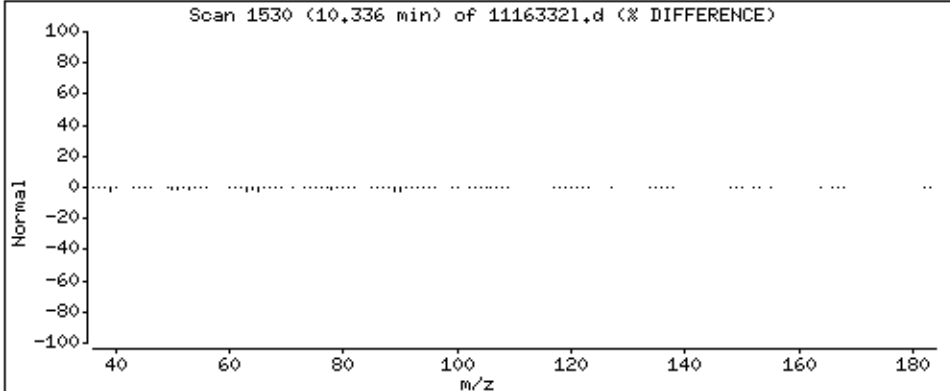
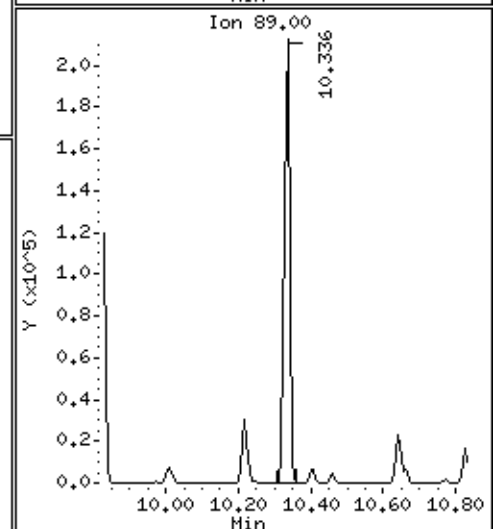
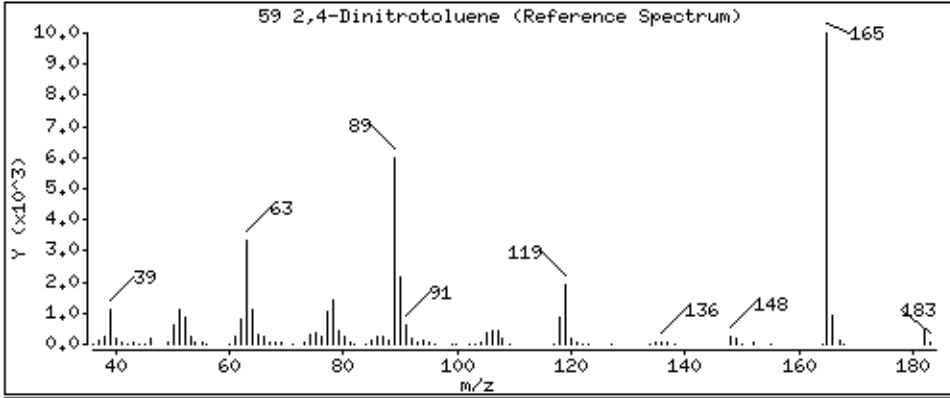
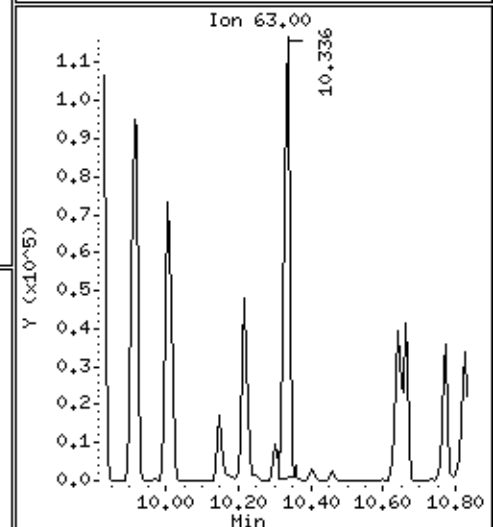
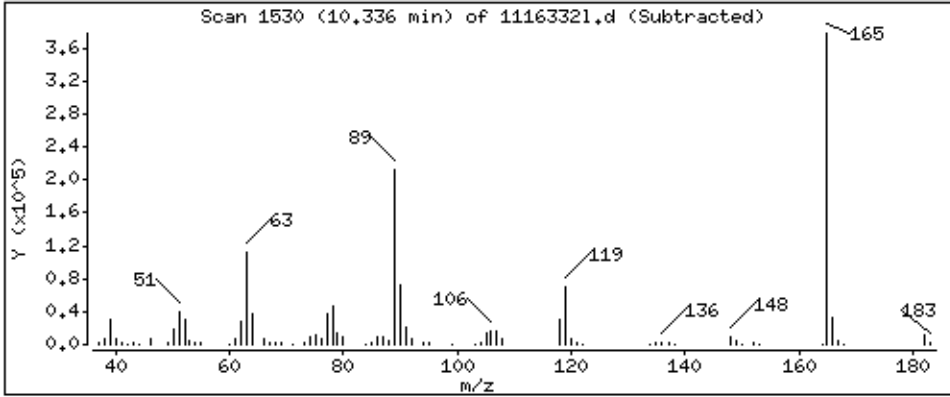
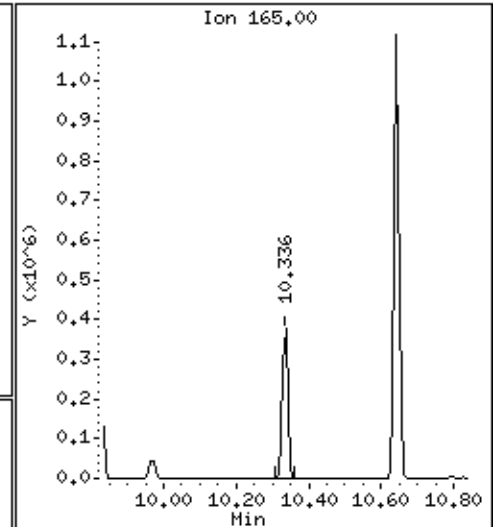
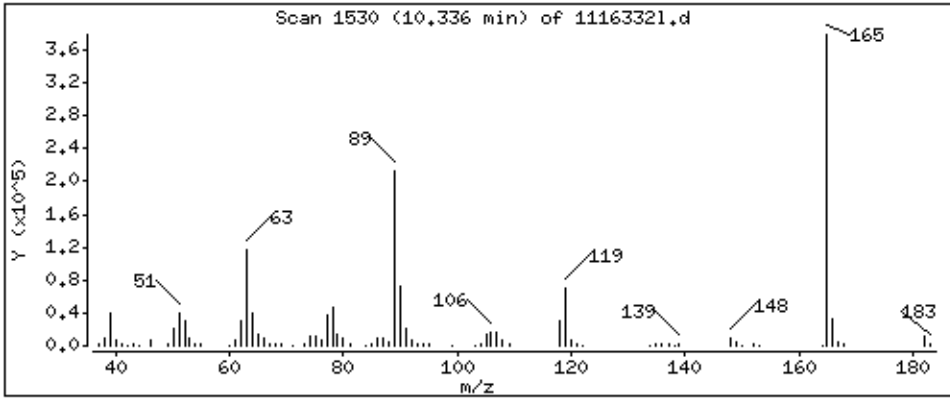
Operator: SN

Column phase: .50um DB-5ms

Column diameter: 0,25

59 2,4-Dinitrotoluene

Concentration: 101.0 ug/L



Date : 24-JUN-2014 16:52

Client ID: MBLCS

Instrument: 50MSS2.i

Sample Info: 1116445

Volume Injected (uL): 1.0

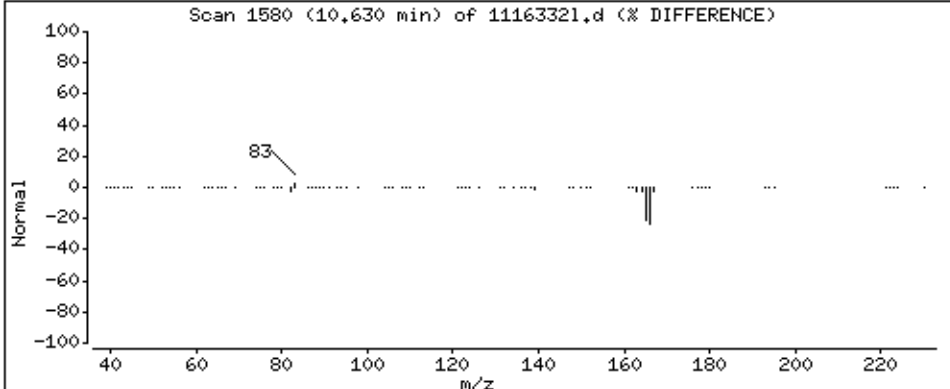
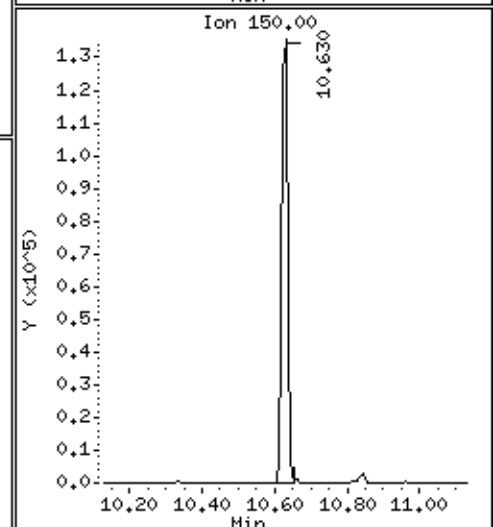
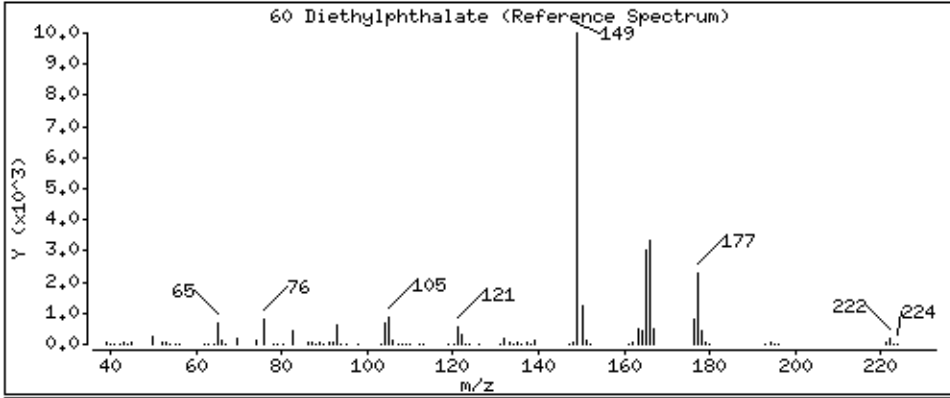
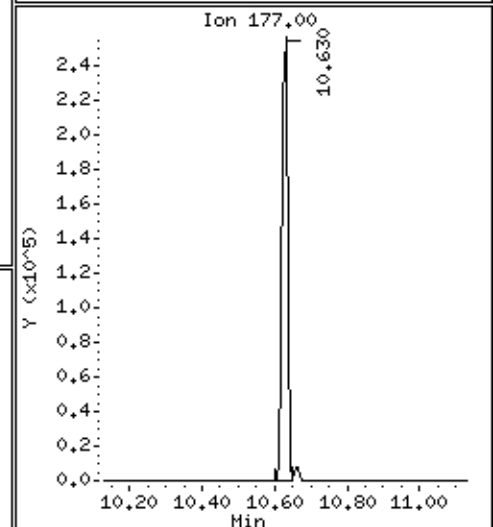
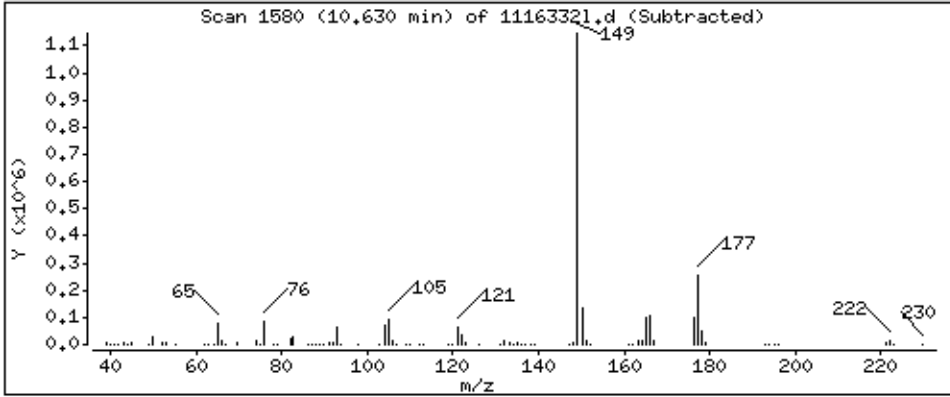
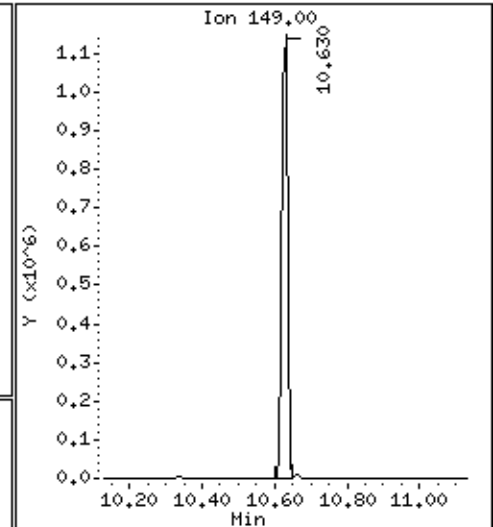
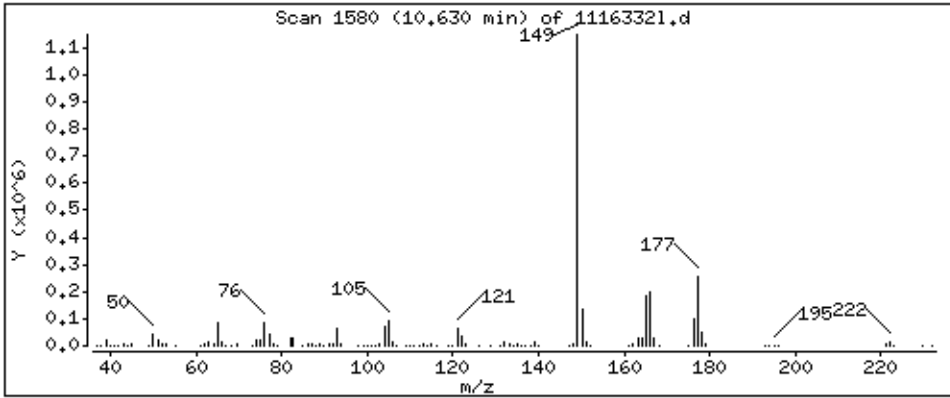
Operator: SN

Column phase: .50um DB-5ms

Column diameter: 0,25

60 Diethylphthalate

Concentration: 95,14 ug/L



Date : 24-JUN-2014 16:52

Client ID: MBLCS

Instrument: 50MSS2.i

Sample Info: 1116445

Volume Injected (uL): 1.0

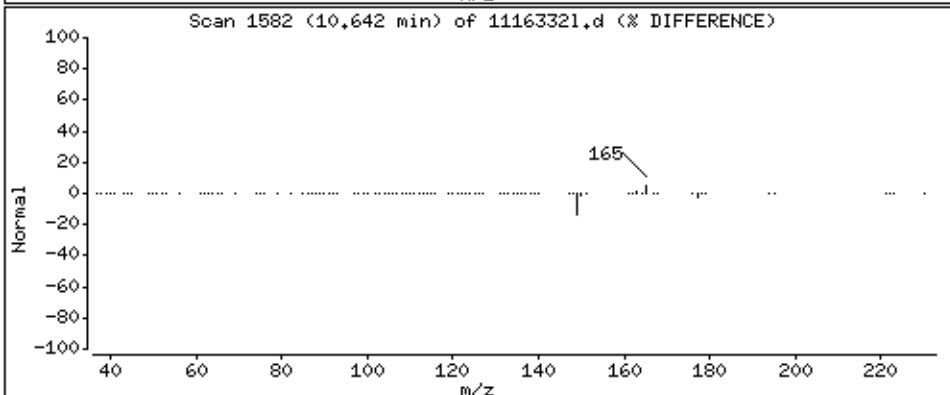
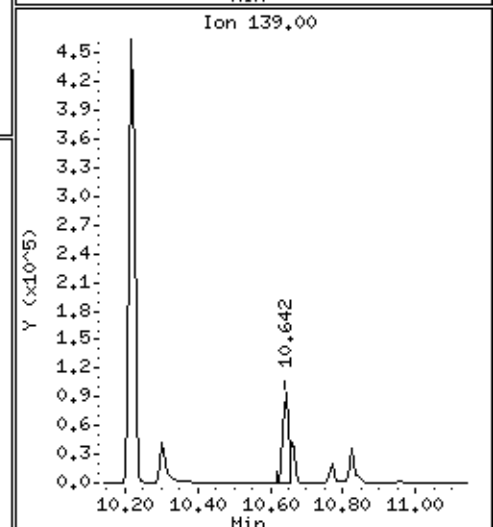
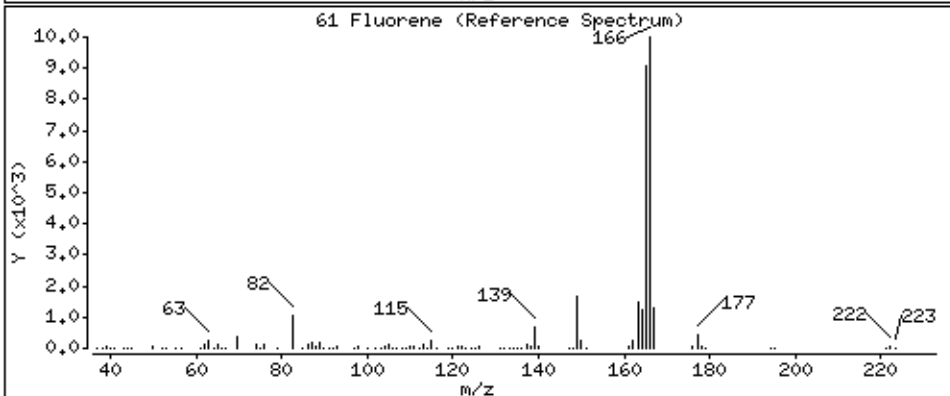
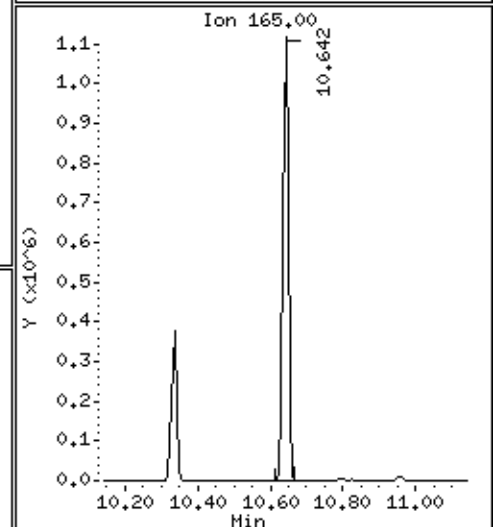
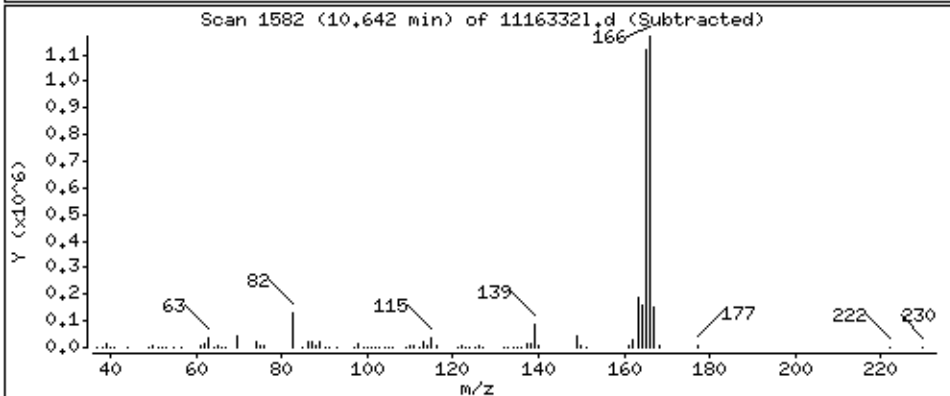
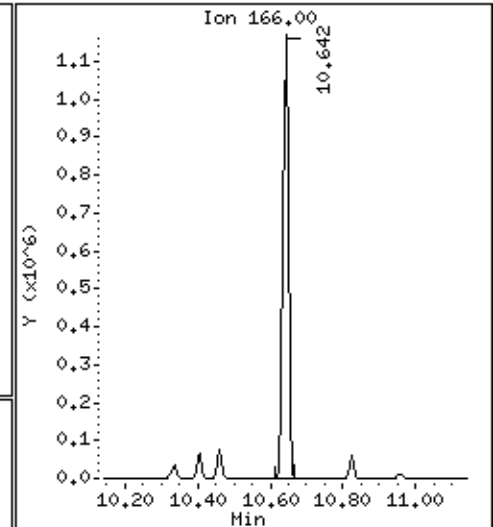
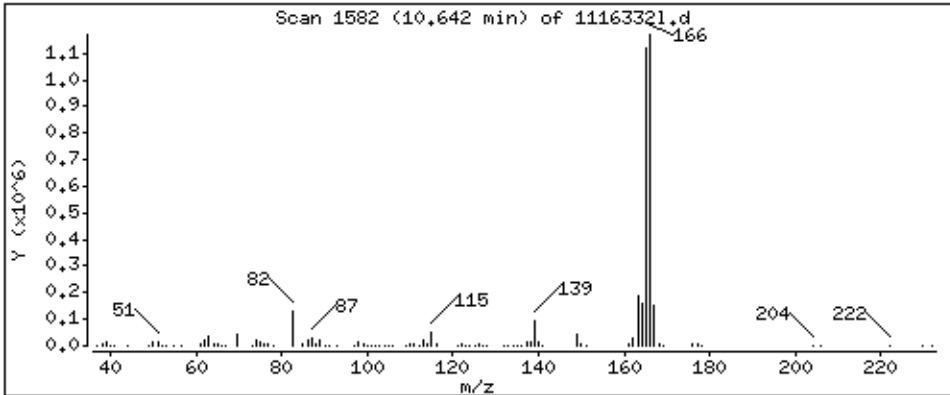
Operator: SN

Column phase: .50um DB-5ms

Column diameter: 0,25

61 Fluorene

Concentration: 91,24 ug/L



Date : 24-JUN-2014 16:52

Client ID: MBLCS

Instrument: 50MSS2.i

Sample Info: 1116445

Volume Injected (uL): 1.0

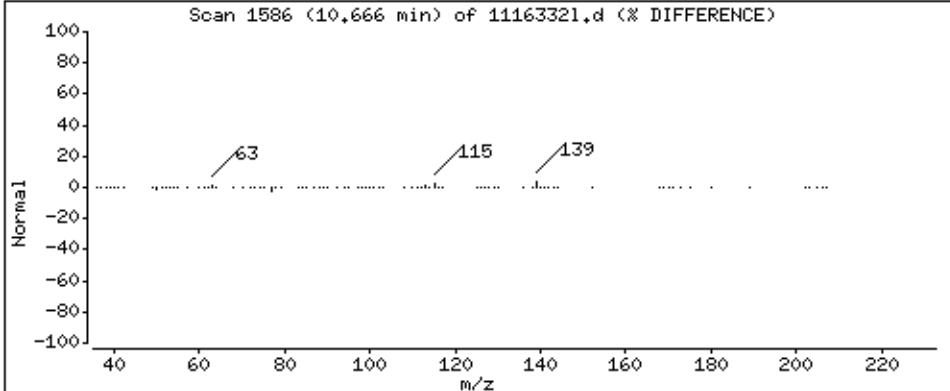
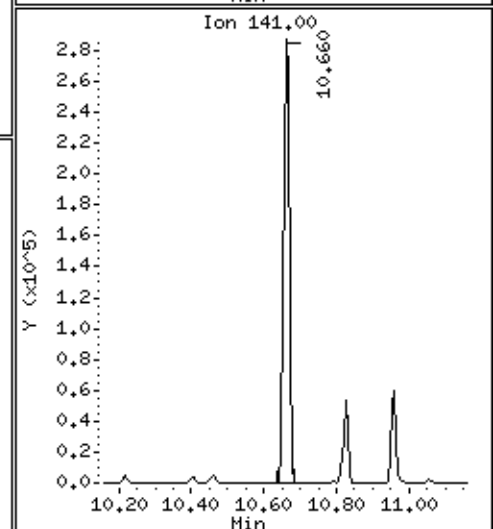
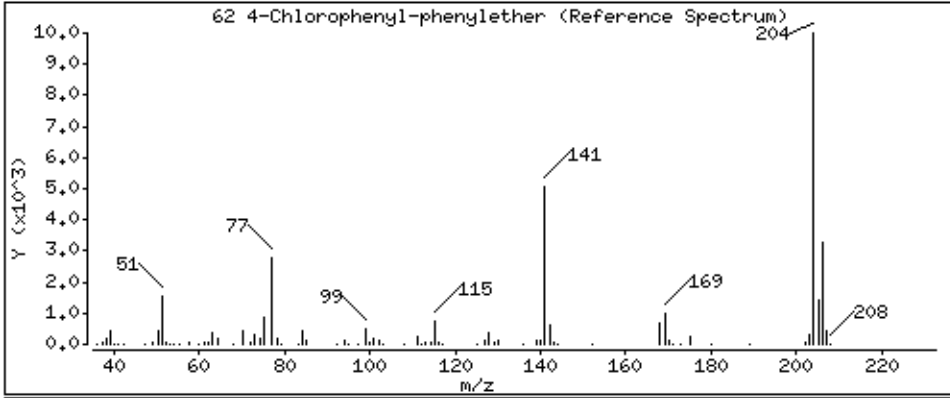
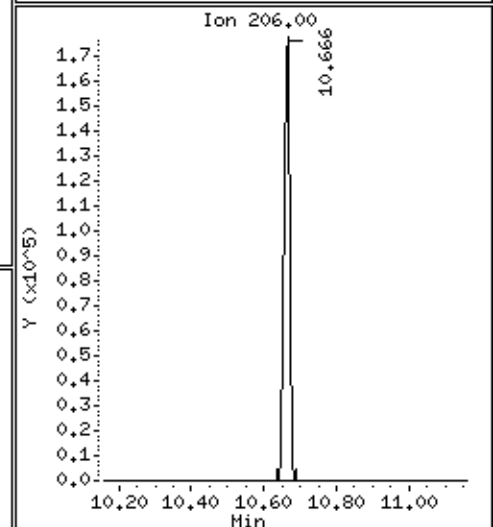
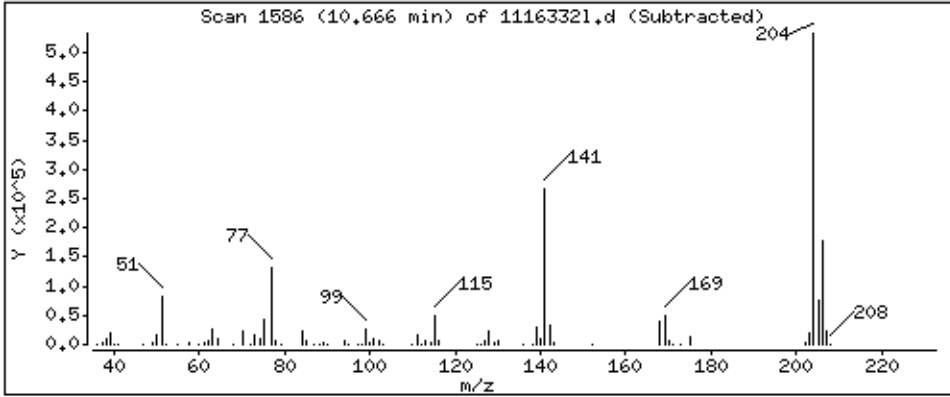
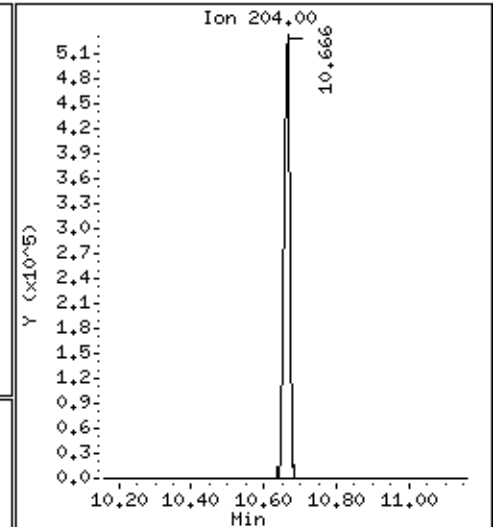
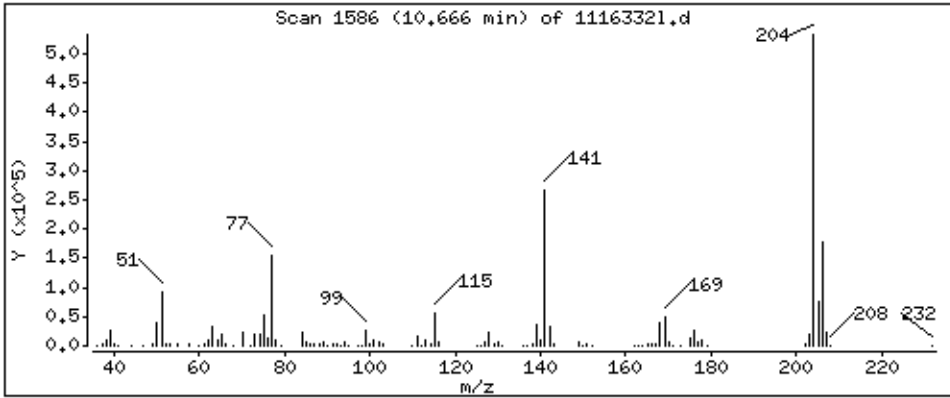
Operator: SN

Column phase: .50um DB-5ms

Column diameter: 0,25

62 4-Chlorophenyl-phenylether

Concentration: 90,20 ug/L



Date : 24-JUN-2014 16:52

Client ID: MBLCS

Instrument: 50MSS2.i

Sample Info: 1116445

Volume Injected (uL): 1.0

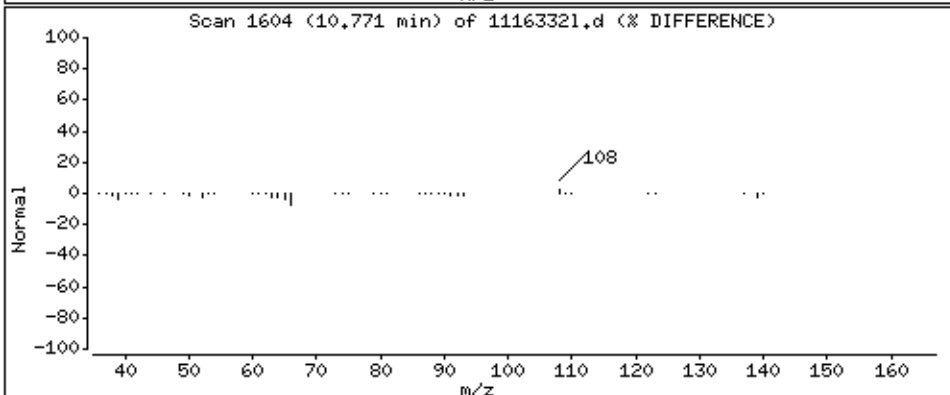
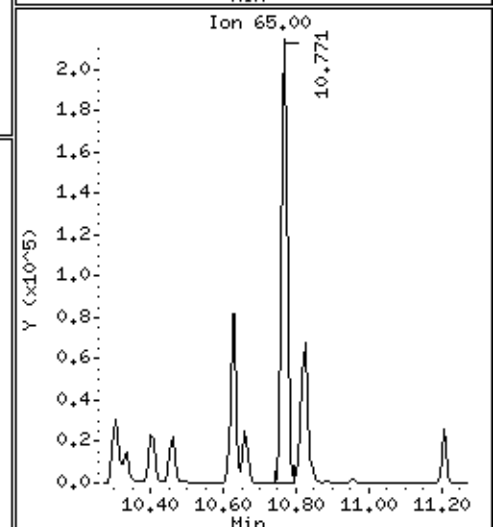
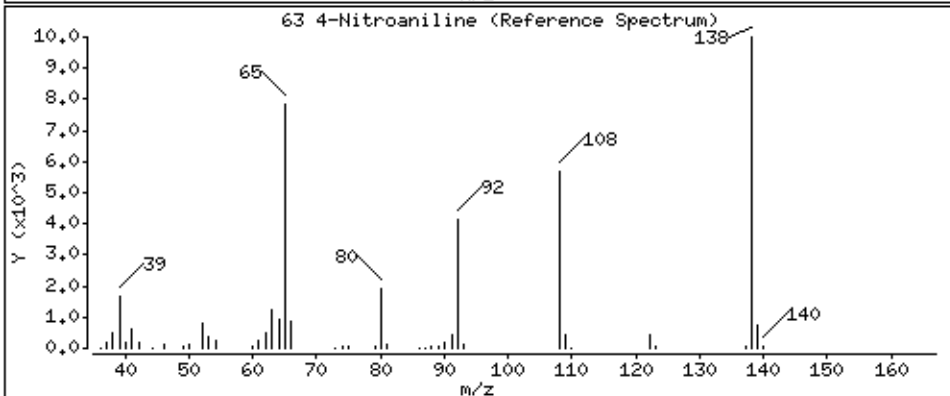
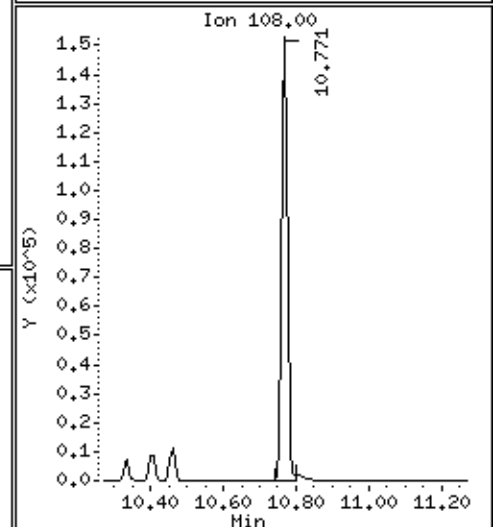
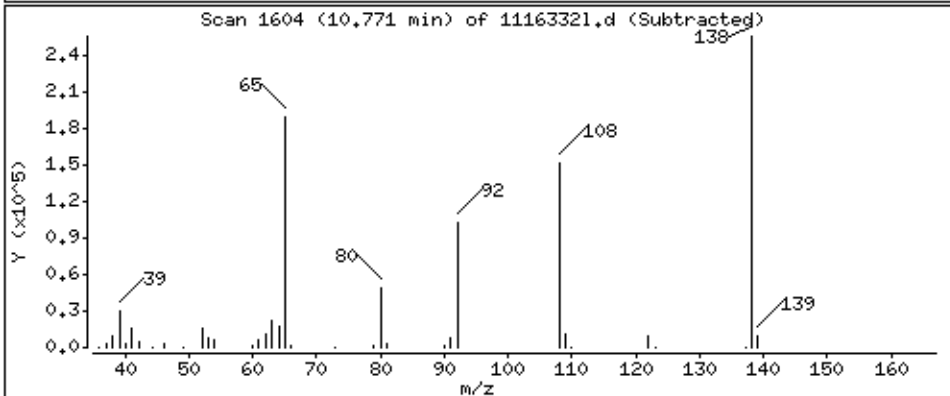
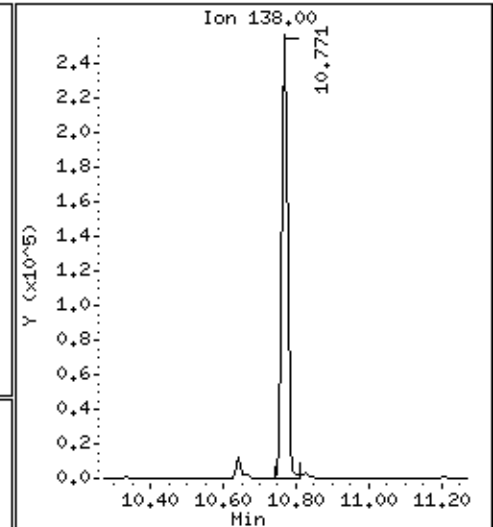
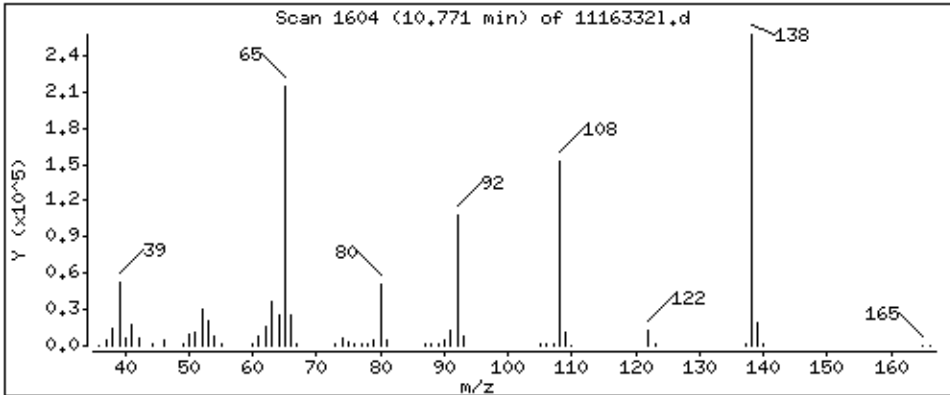
Operator: SN

Column phase: .50um DB-5ms

Column diameter: 0,25

63 4-Nitroaniline

Concentration: 89,20 ug/L



Date : 24-JUN-2014 16:52

Client ID: MBLCS

Instrument: 50MSS2.i

Sample Info: 1116445

Volume Injected (uL): 1.0

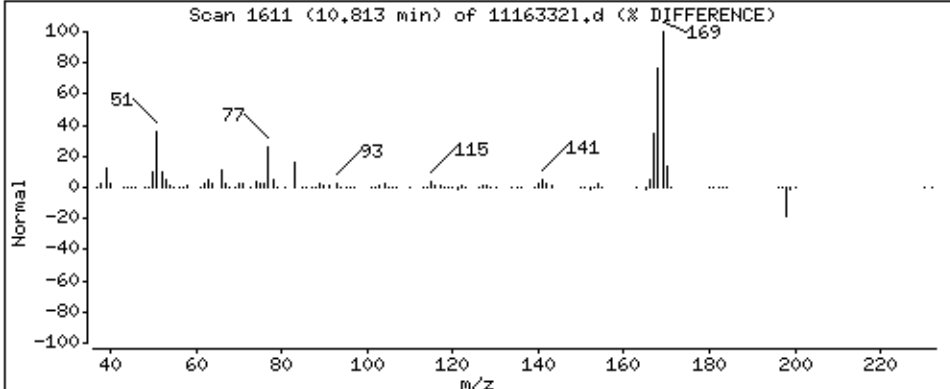
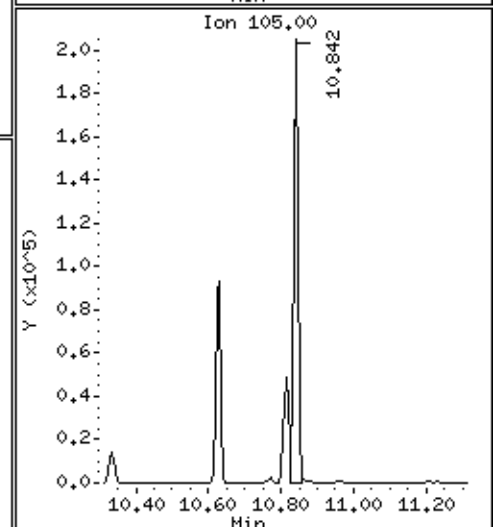
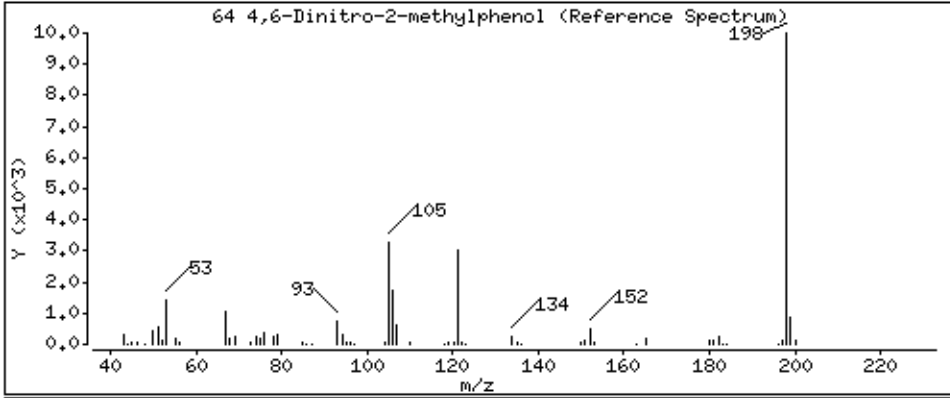
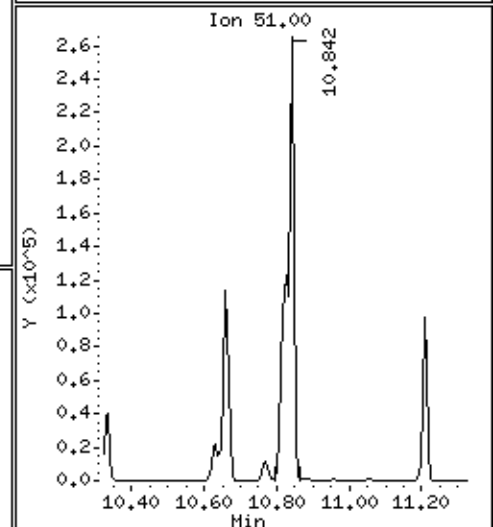
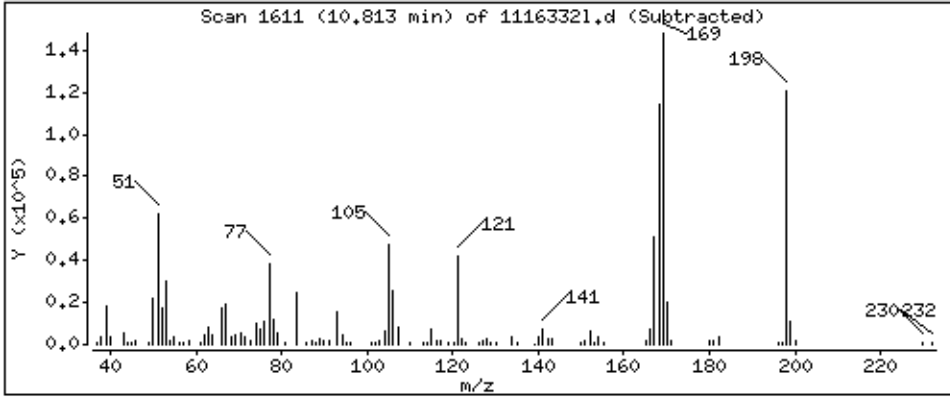
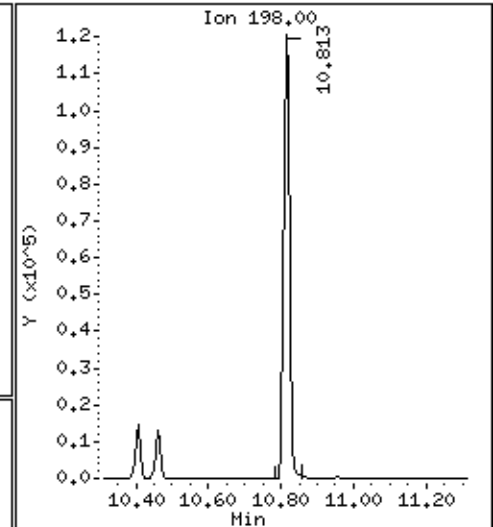
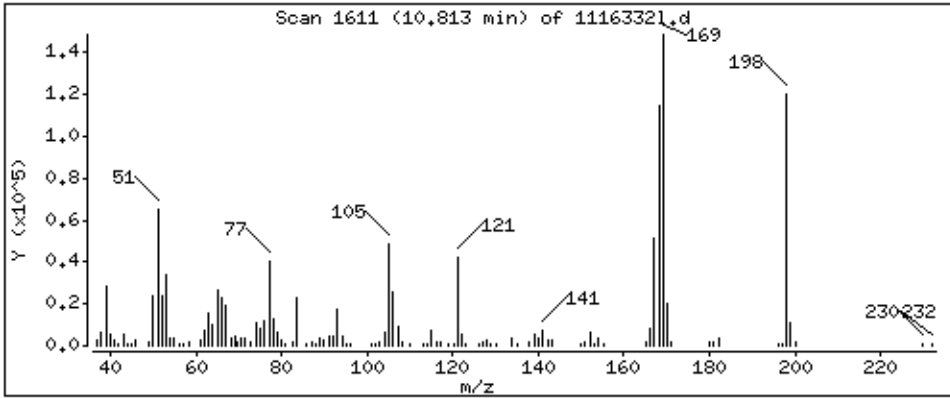
Operator: SN

Column phase: .50um DB-5ms

Column diameter: 0,25

64 4,6-Dinitro-2-methylphenol

Concentration: 59,74 ug/L



Date : 24-JUN-2014 16:52

Client ID: MBLCS

Instrument: 50MSS2.i

Sample Info: 1116445

Volume Injected (uL): 1.0

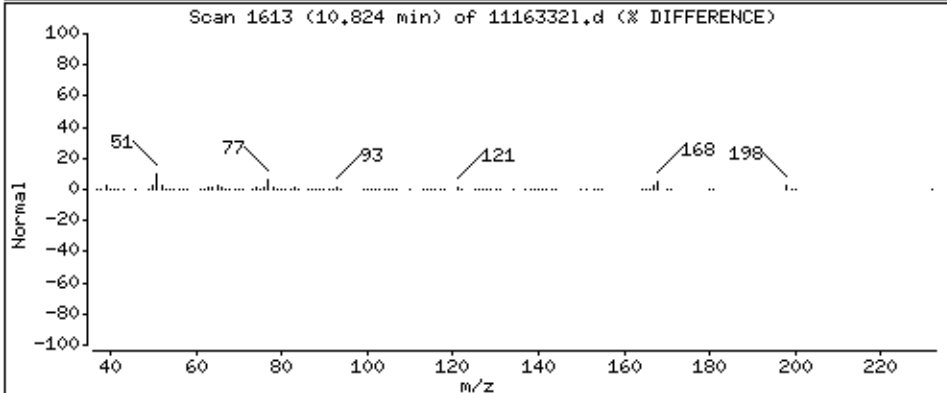
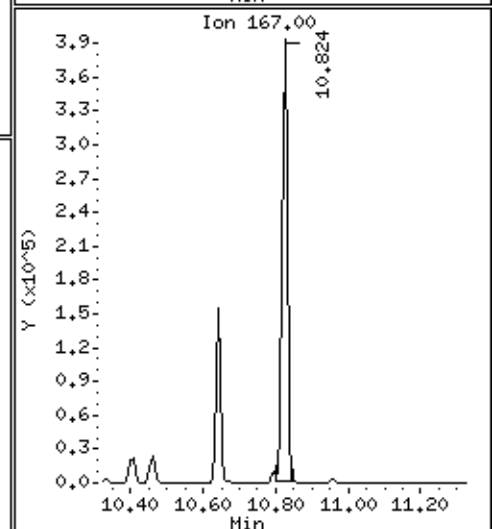
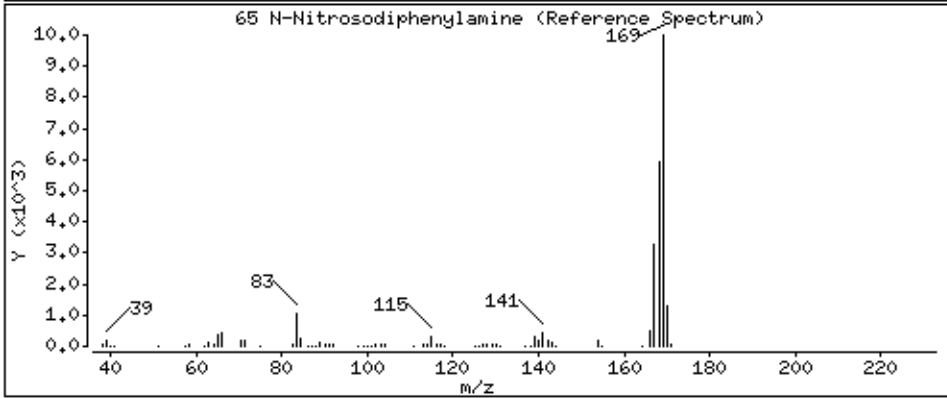
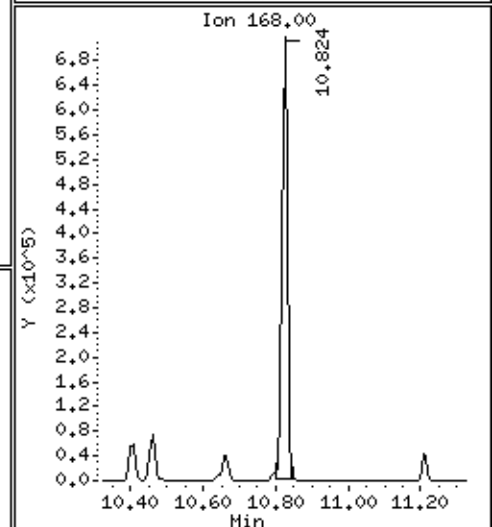
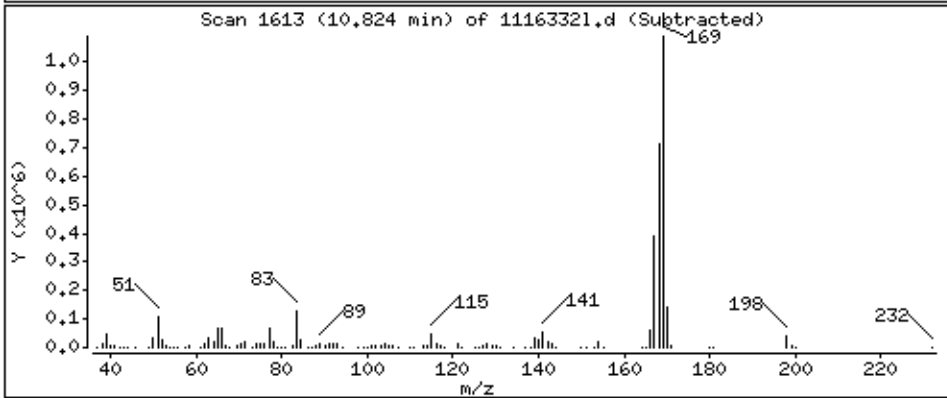
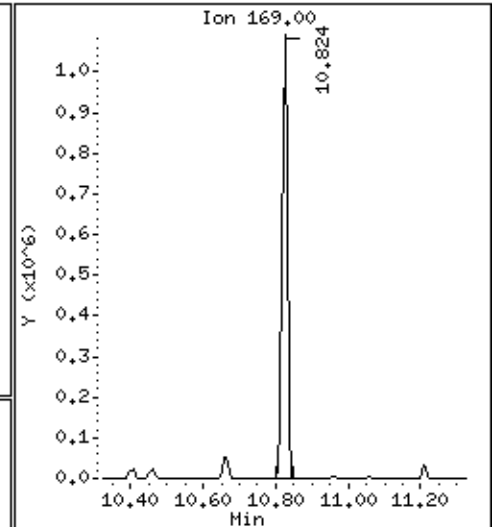
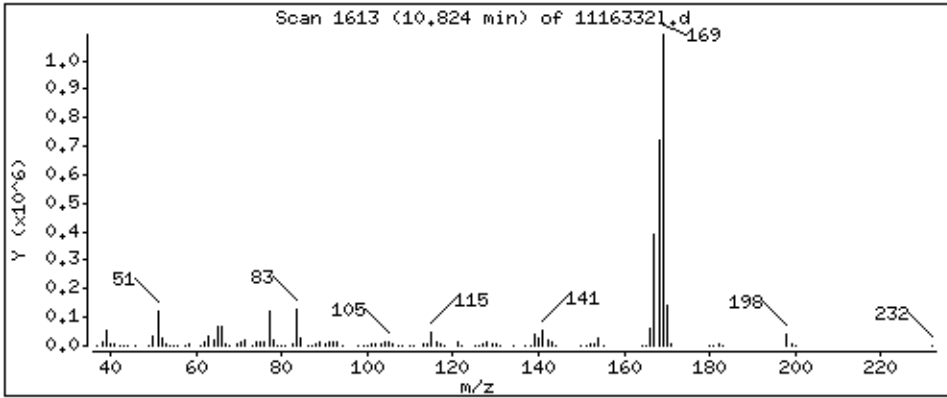
Operator: SN

Column phase: .50um DB-5ms

Column diameter: 0,25

65 N-Nitrosodiphenylamine

Concentration: 114,5 ug/L



Date : 24-JUN-2014 16:52

Client ID: MBLCS

Instrument: 50MSS2.i

Sample Info: 1116445

Volume Injected (uL): 1.0

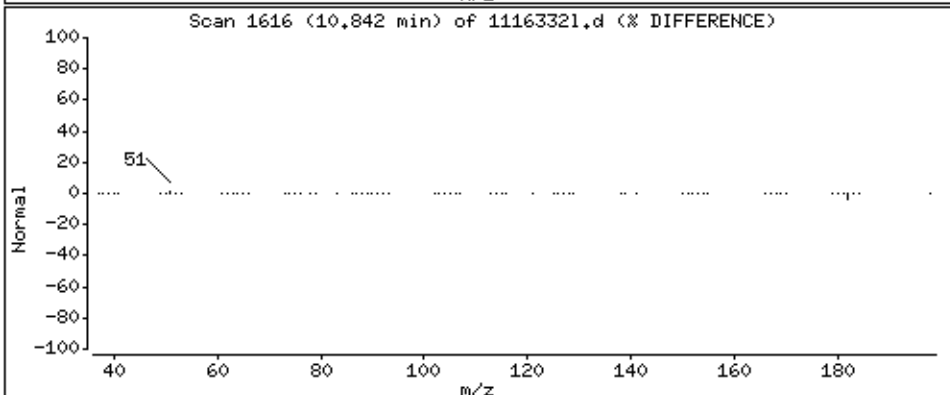
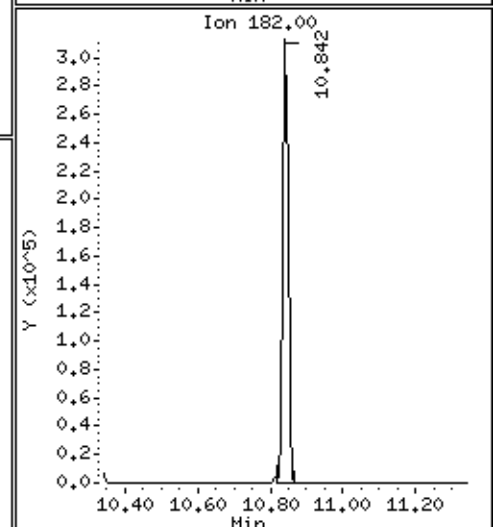
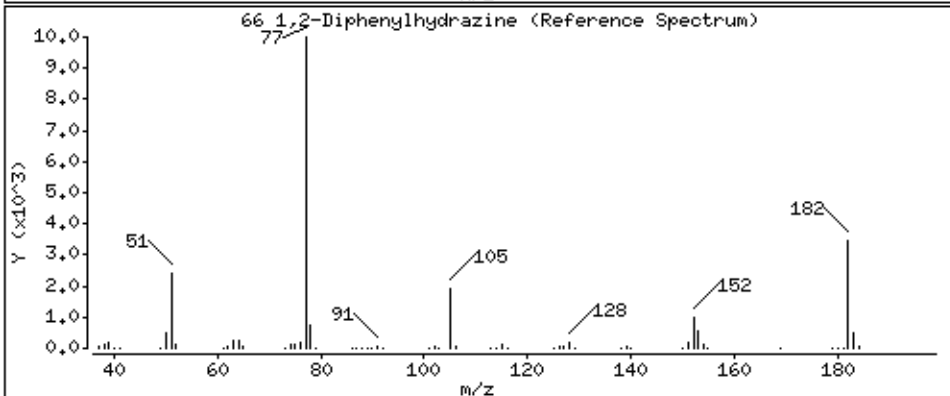
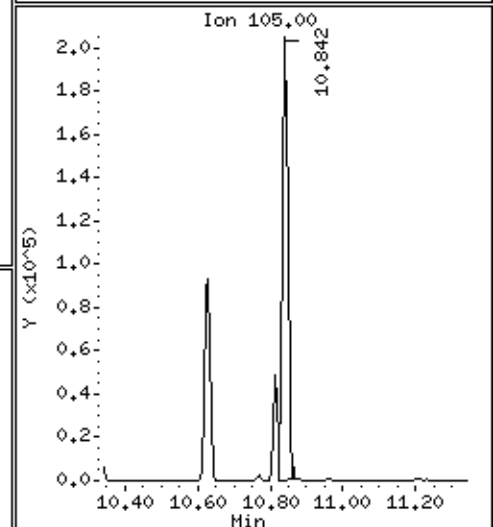
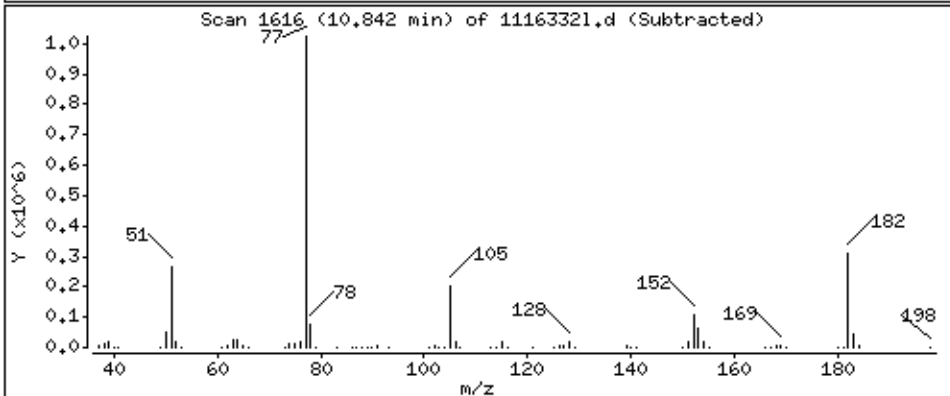
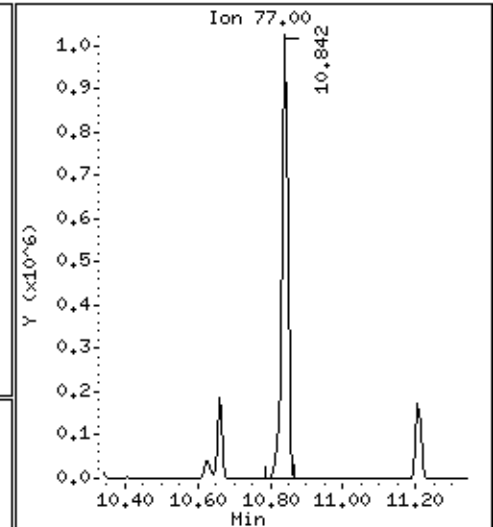
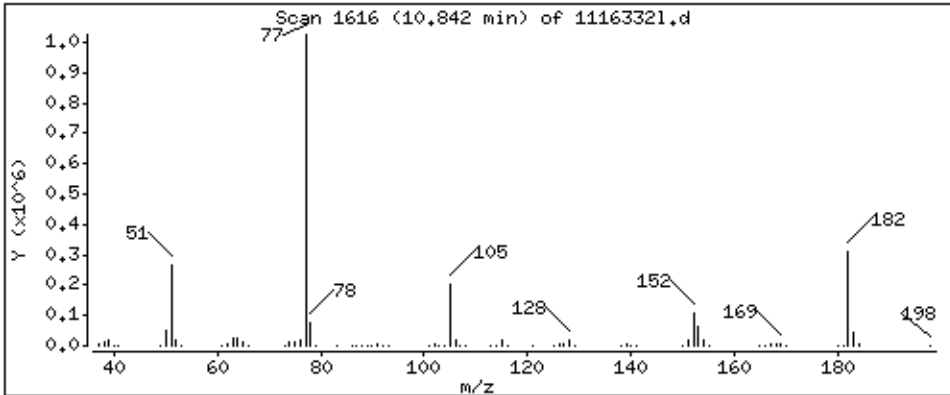
Operator: SN

Column phase: .50um DB-5ms

Column diameter: 0,25

66 1,2-Diphenylhydrazine

Concentration: 96,08 ug/L



Date : 24-JUN-2014 16:52

Client ID: MBLCS

Instrument: 50MSS2.i

Sample Info: 1116445

Volume Injected (uL): 1.0

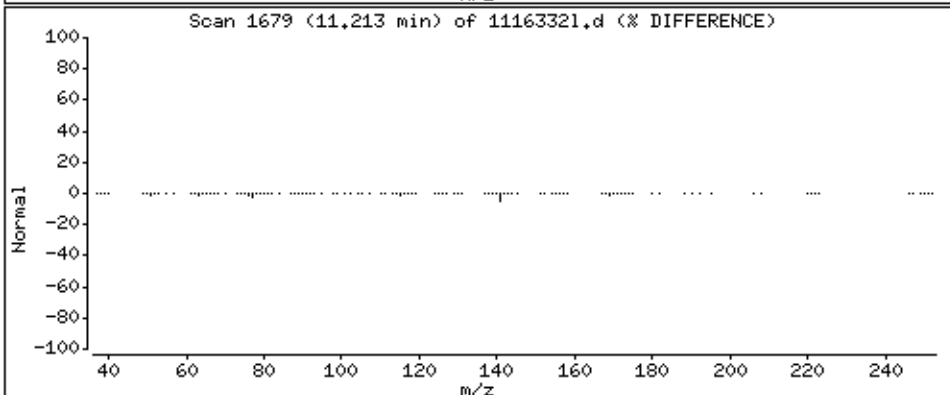
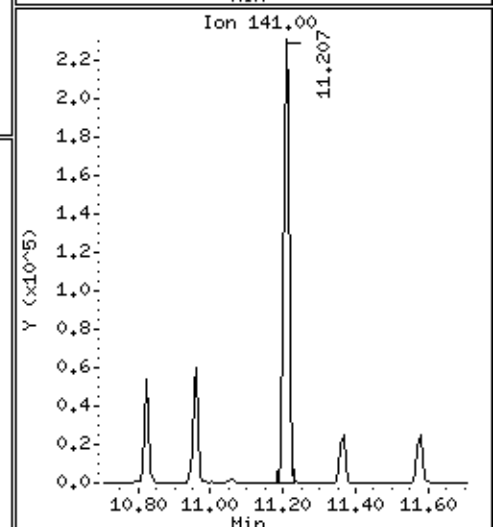
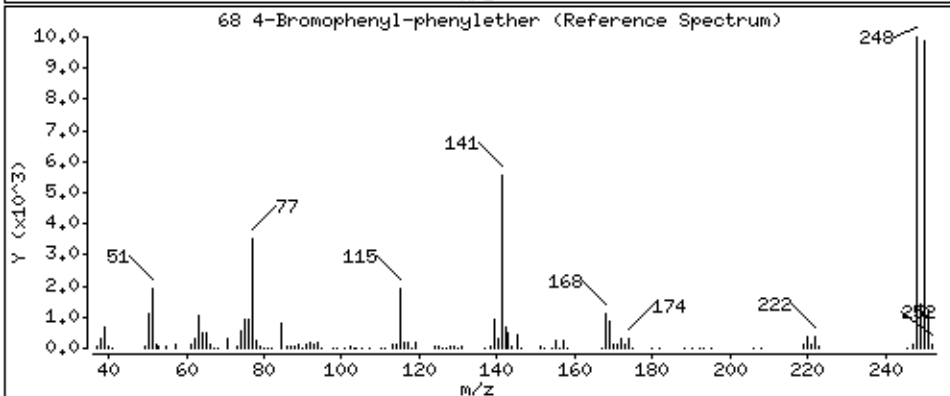
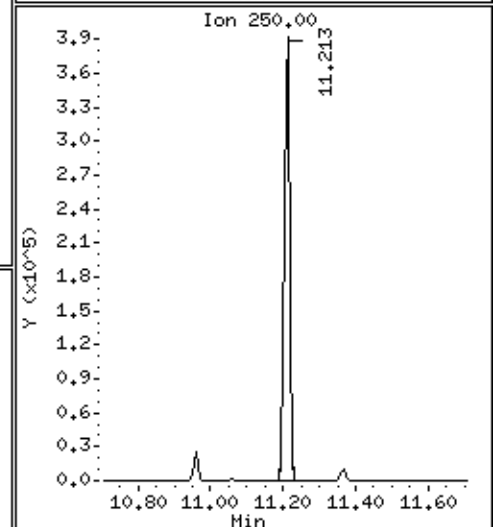
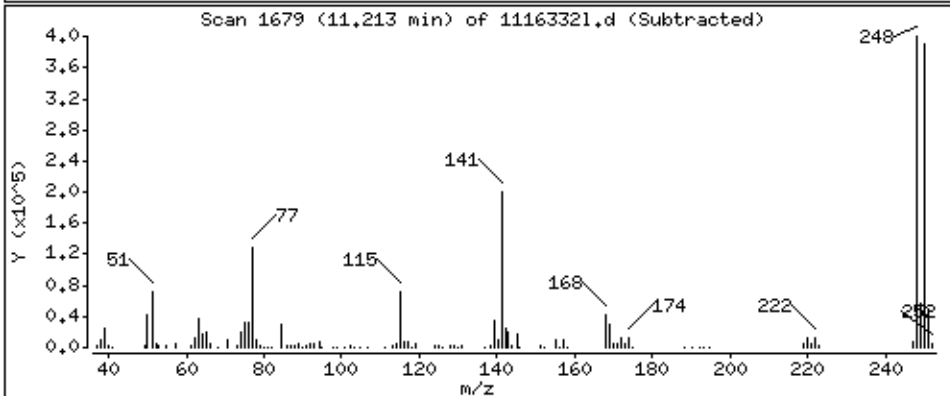
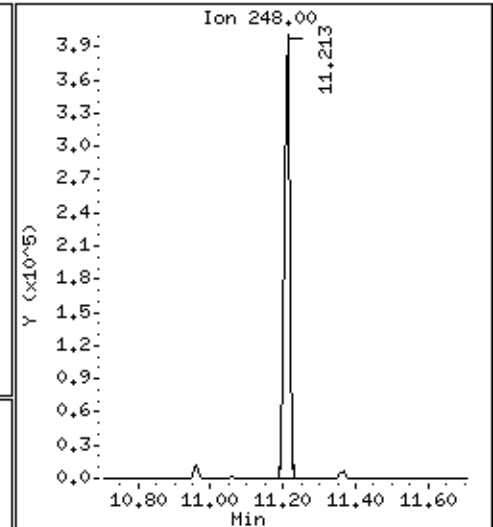
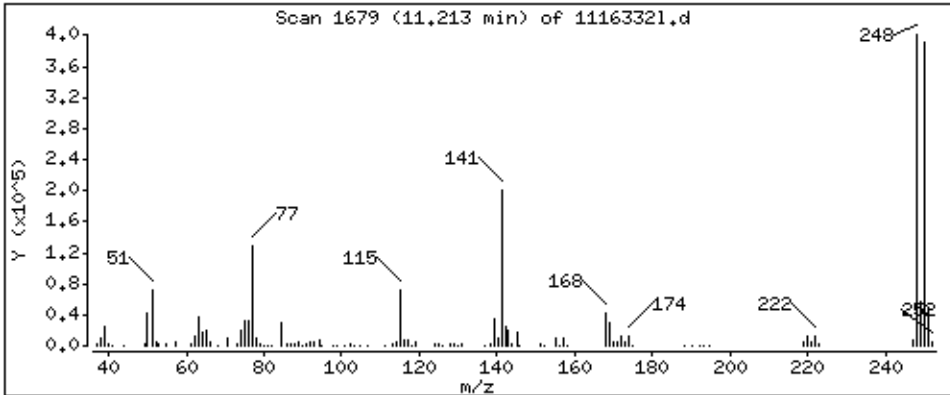
Operator: SN

Column phase: .50um DB-5ms

Column diameter: 0,25

68 4-Bromophenyl-phenylether

Concentration: 96,12 ug/L



Date : 24-JUN-2014 16:52

Client ID: MBLCS

Instrument: 50MSS2.i

Sample Info: 1116445

Volume Injected (uL): 1.0

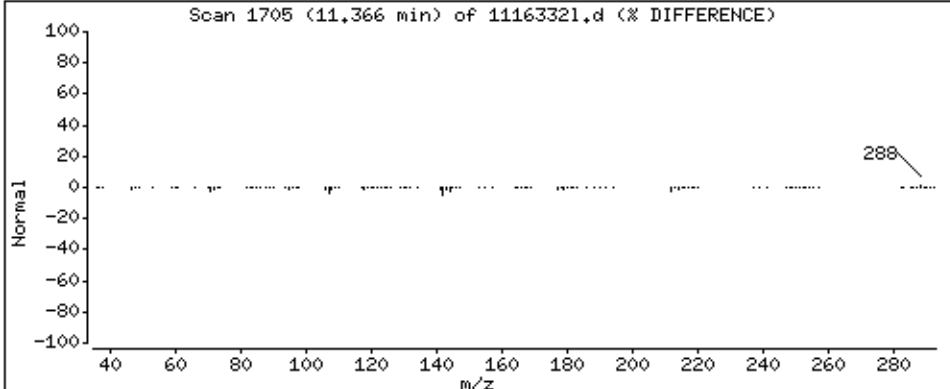
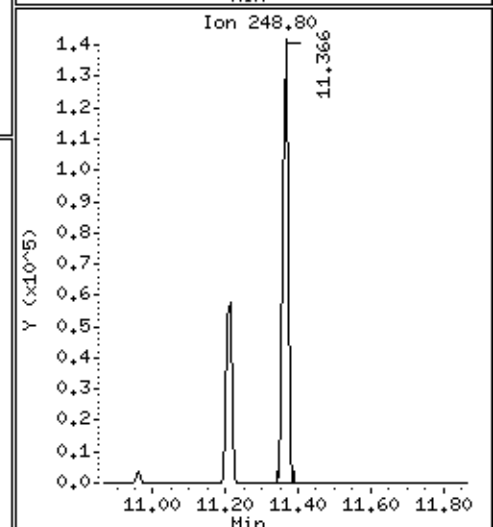
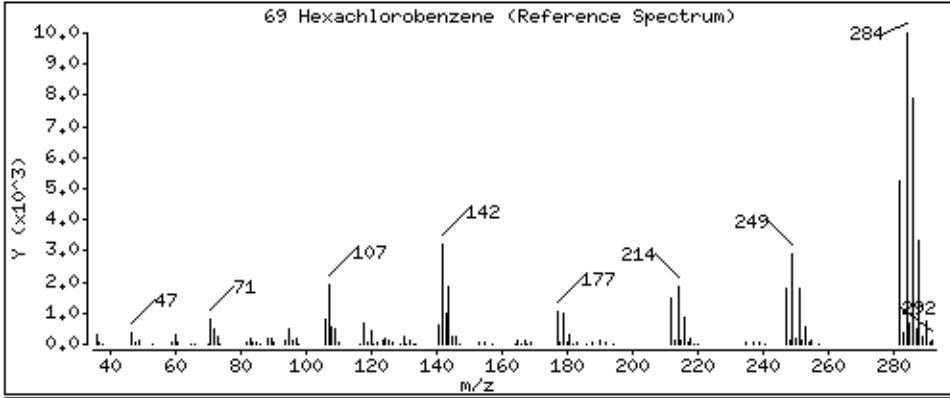
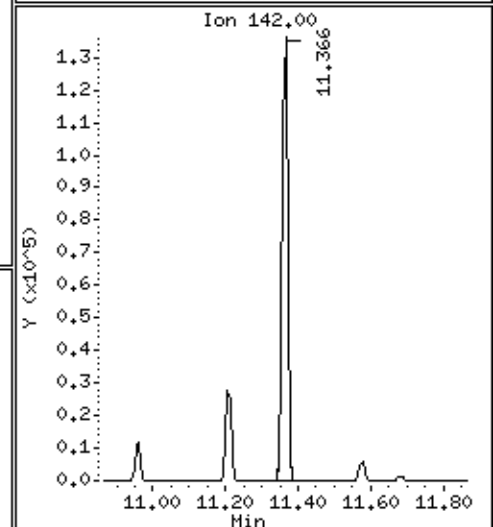
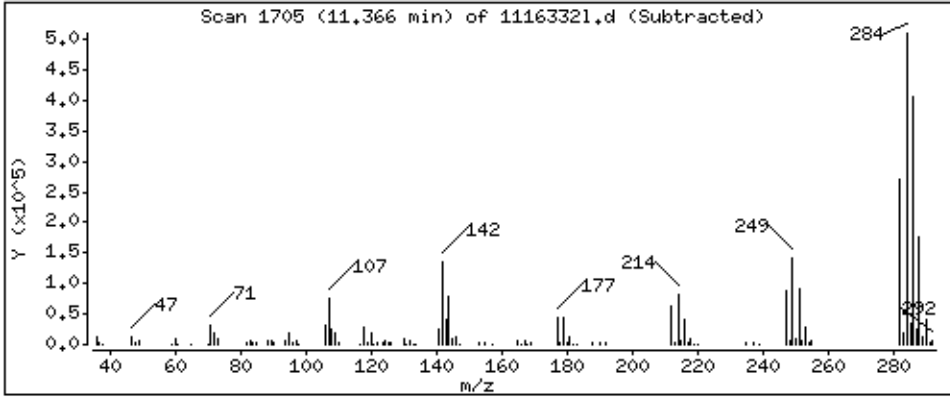
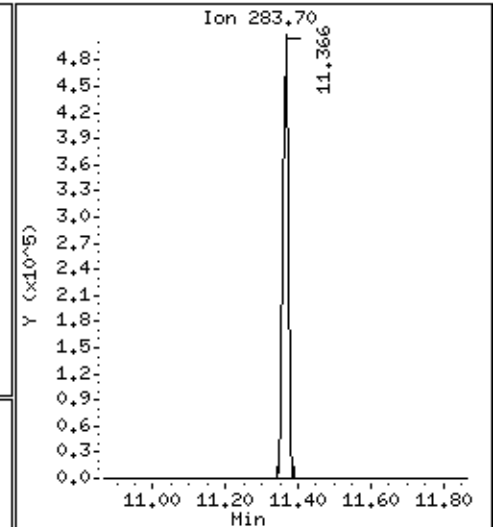
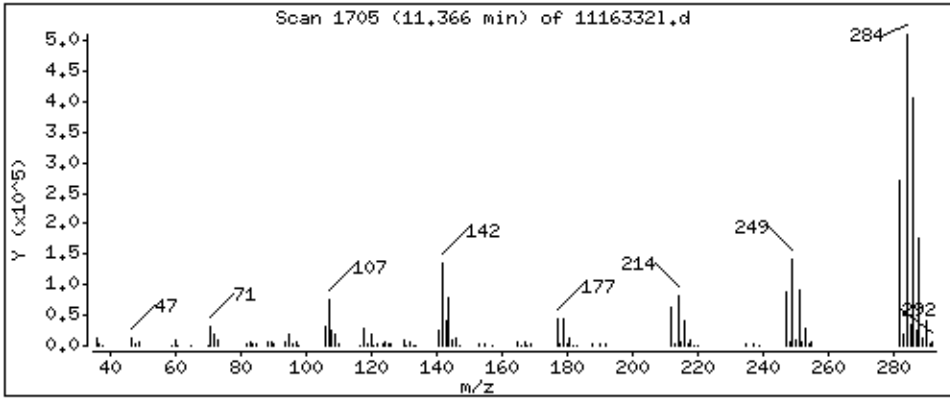
Operator: SN

Column phase: .50um DB-5ms

Column diameter: 0,25

69 Hexachlorobenzene

Concentration: 96,81 ug/L



Date : 24-JUN-2014 16:52

Client ID: MBLCS

Instrument: 50MSS2.i

Sample Info: 1116445

Volume Injected (uL): 1.0

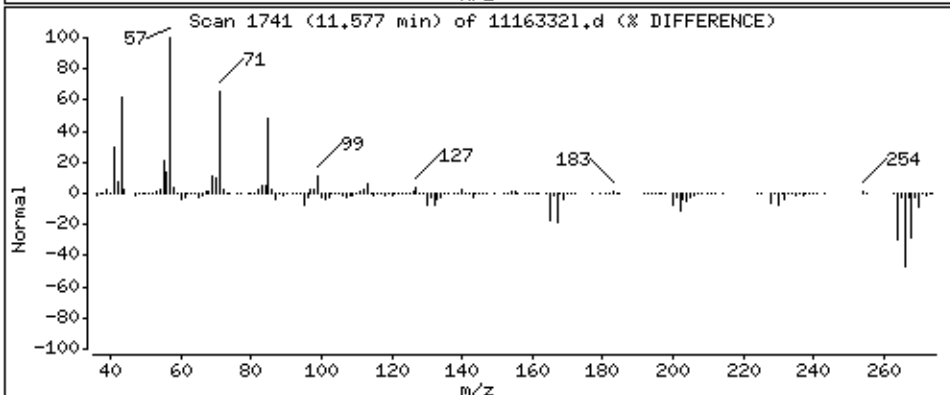
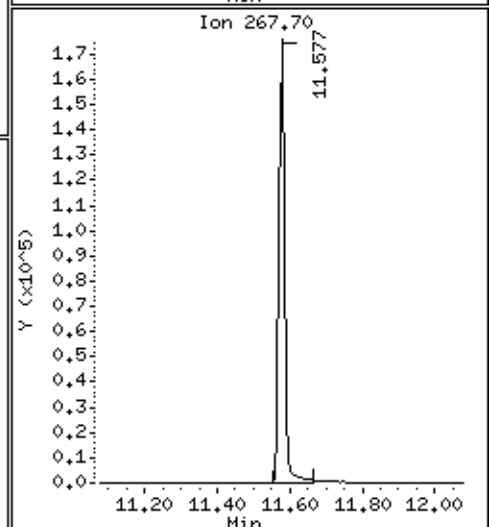
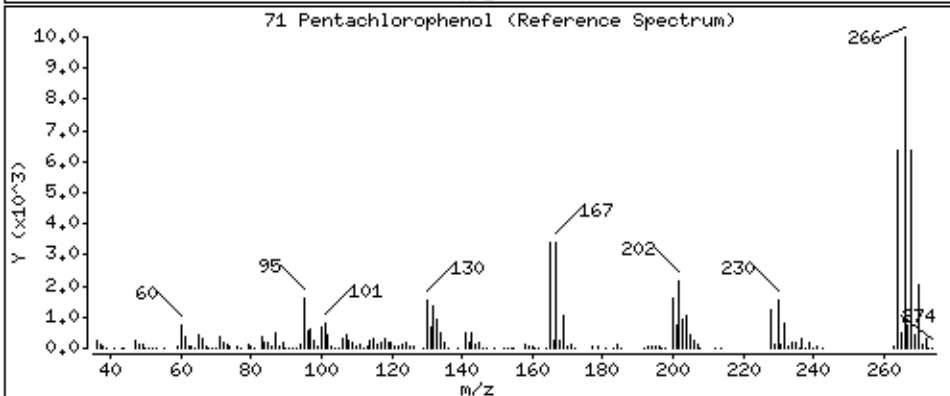
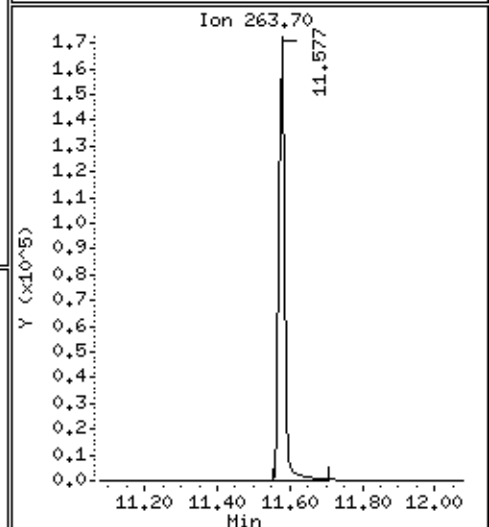
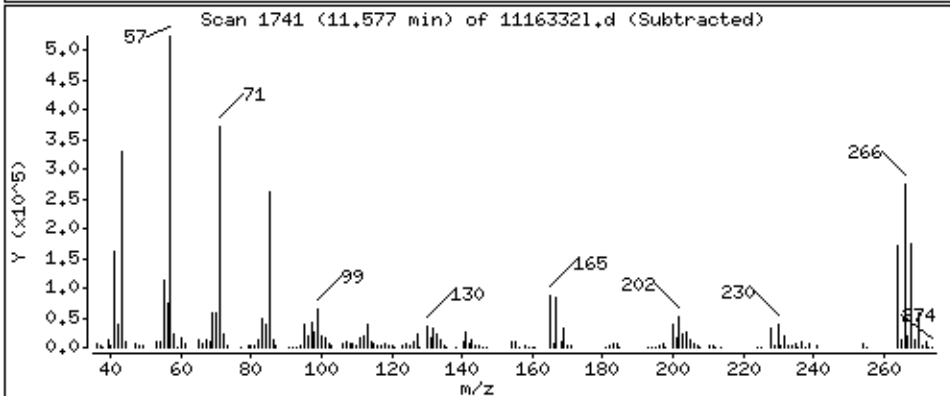
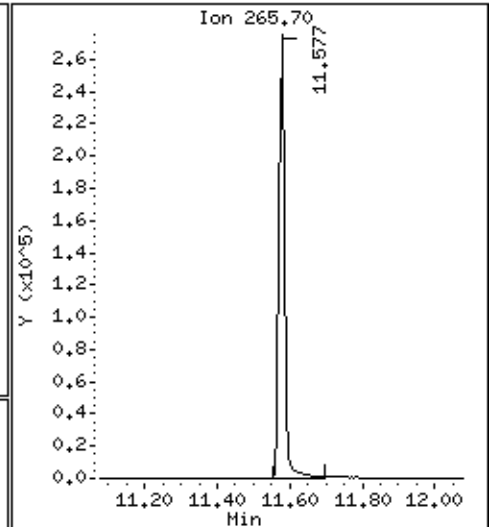
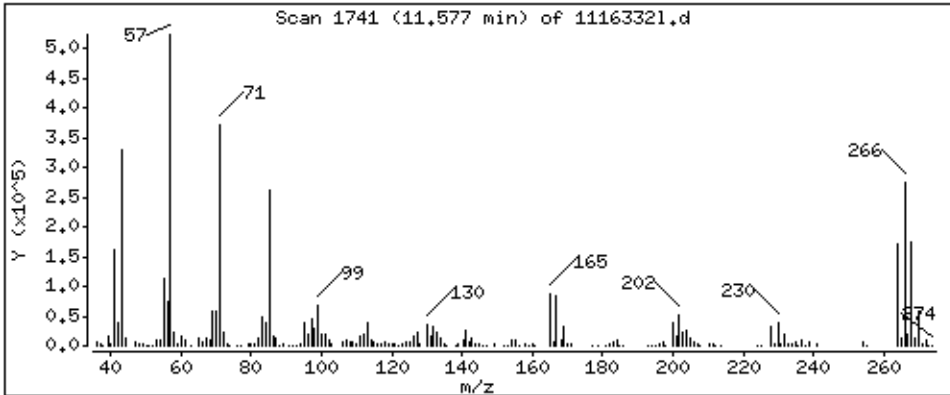
Operator: SN

Column phase: .50um DB-5ms

Column diameter: 0,25

71 Pentachlorophenol

Concentration: 97,60 ug/L



Date : 24-JUN-2014 16:52

Client ID: MBLCS

Instrument: 50MSS2.i

Sample Info: 1116445

Volume Injected (uL): 1.0

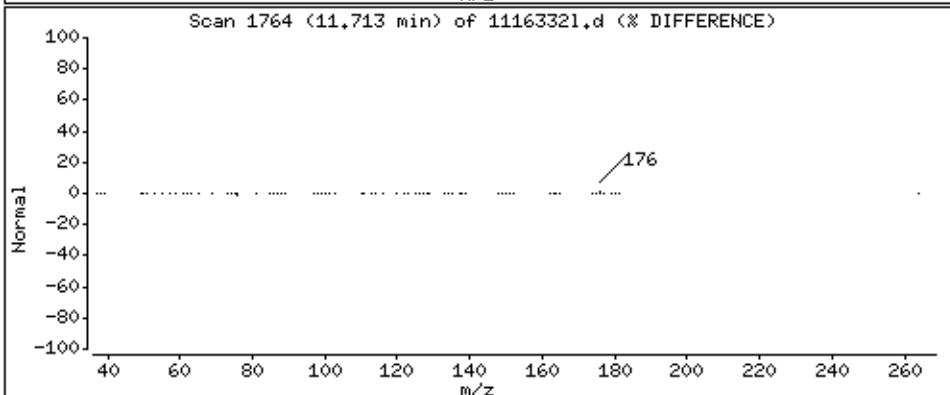
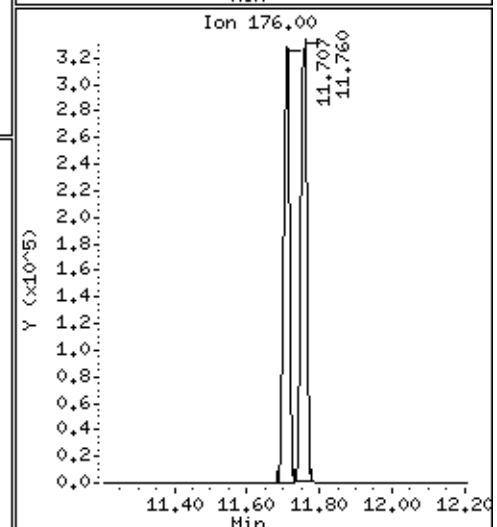
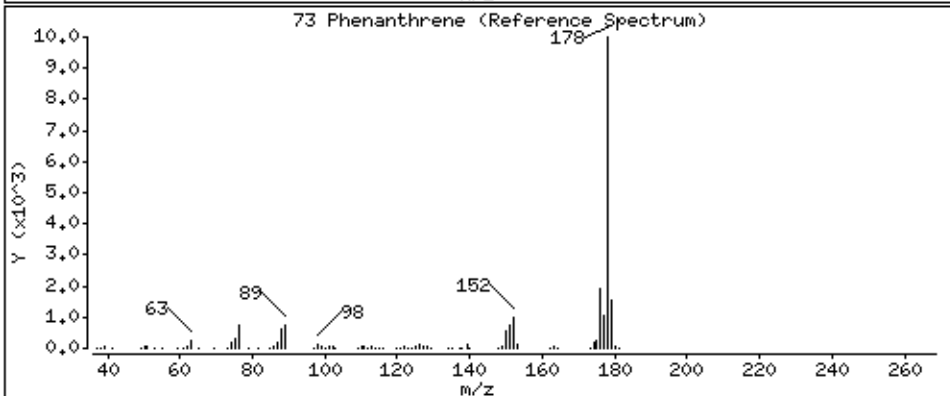
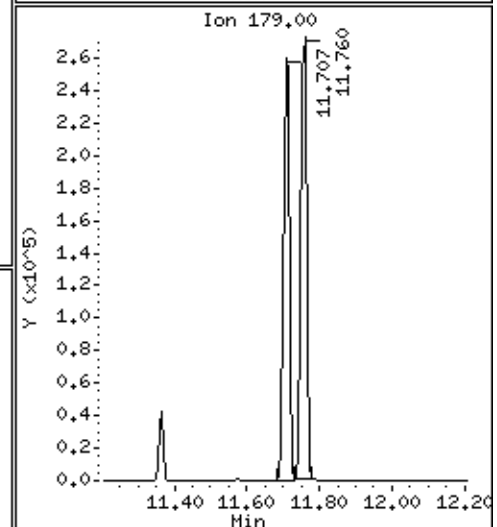
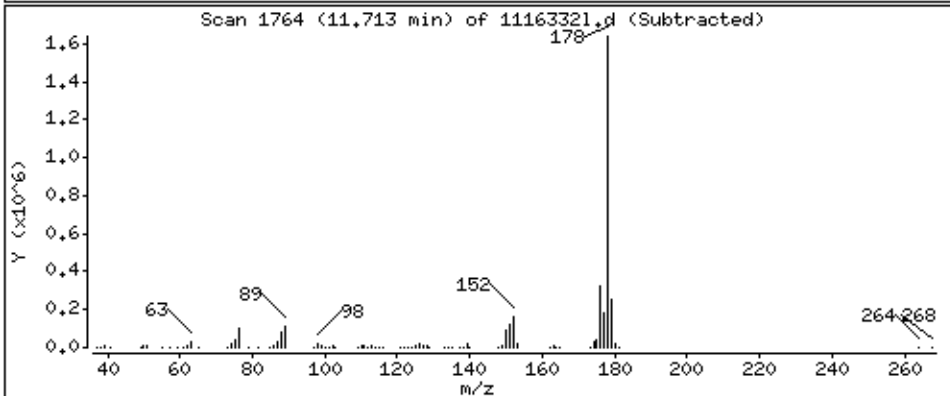
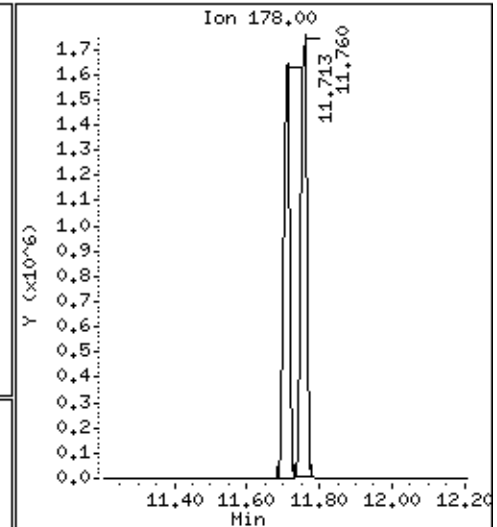
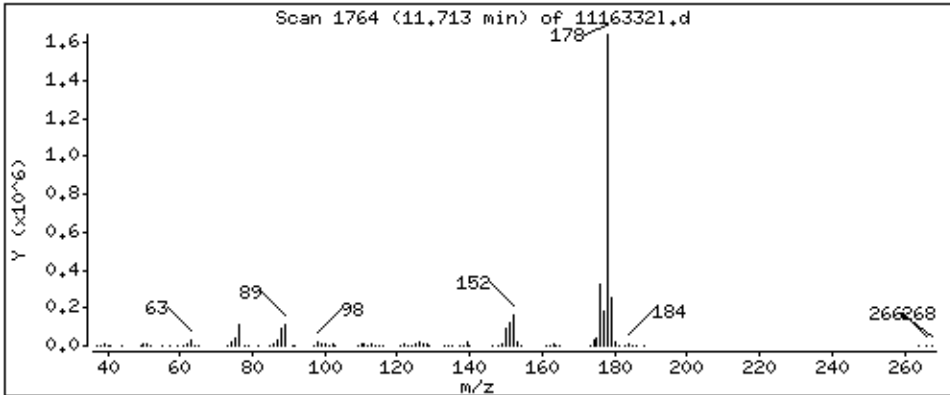
Operator: SN

Column phase: .50um DB-5ms

Column diameter: 0,25

73 Phenanthrene

Concentration: 94,52 ug/L



Date : 24-JUN-2014 16:52

Client ID: MBLCS

Instrument: 50MSS2.i

Sample Info: 1116445

Volume Injected (uL): 1.0

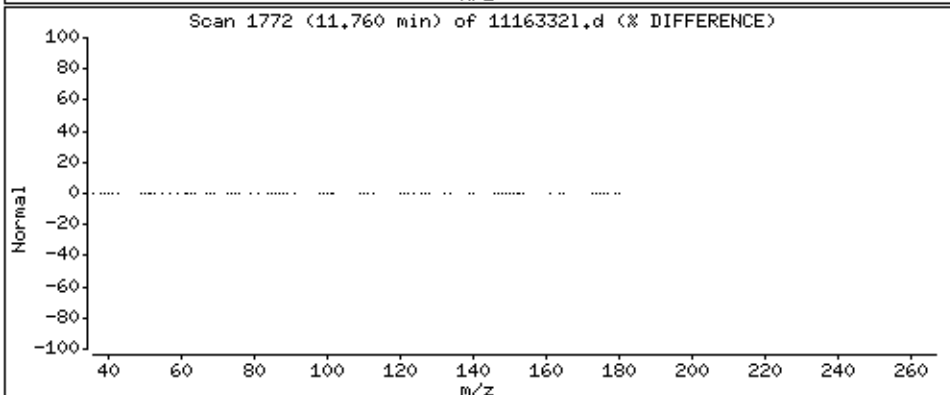
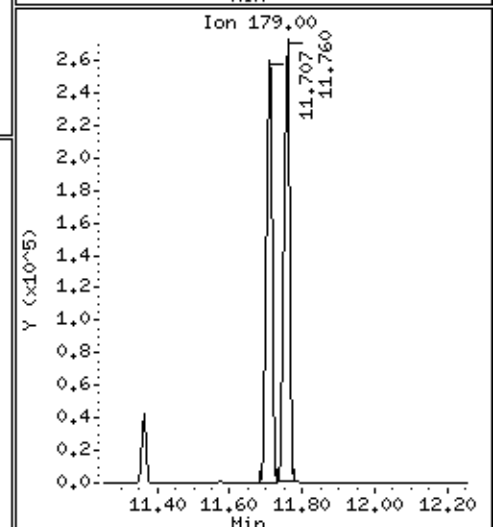
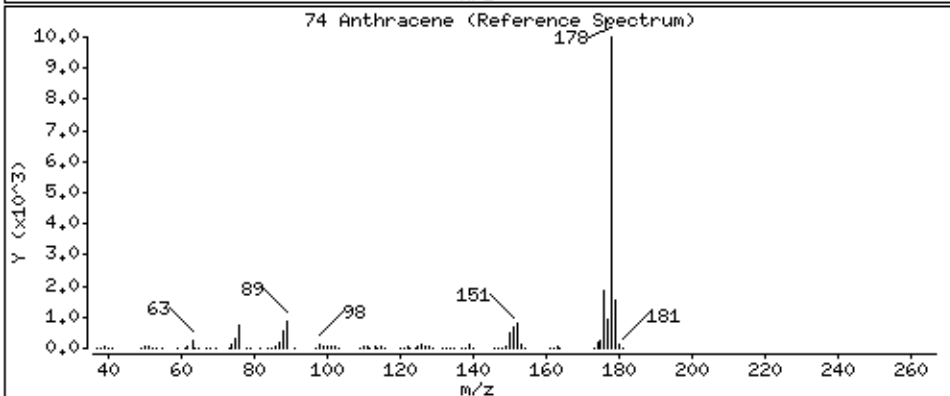
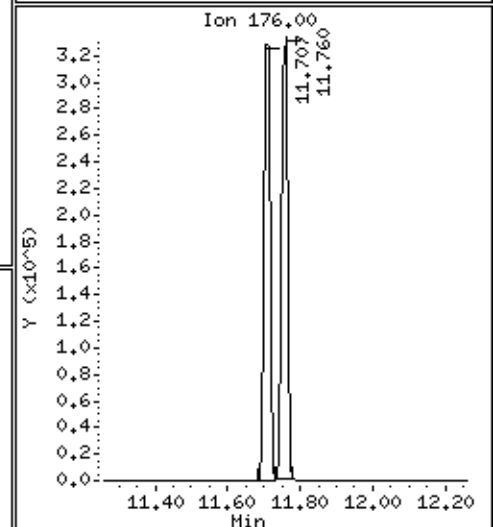
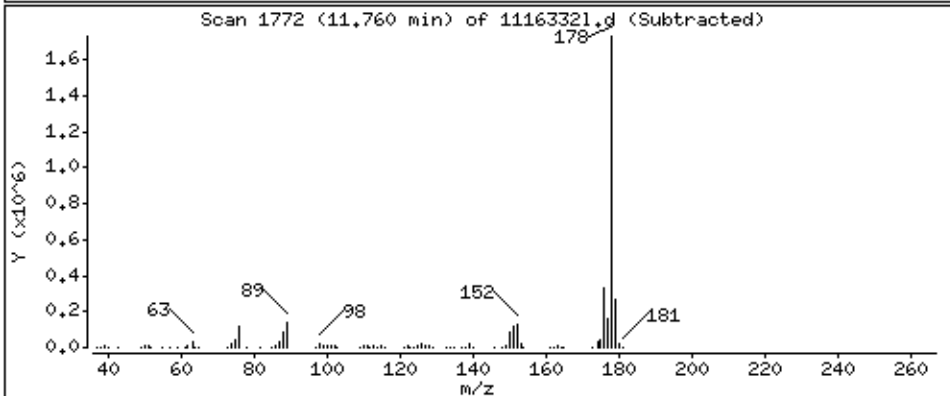
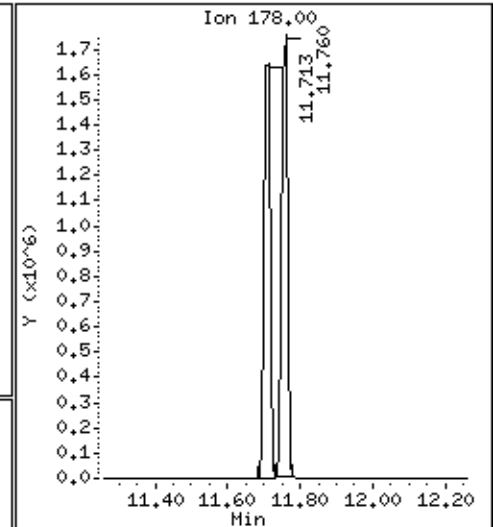
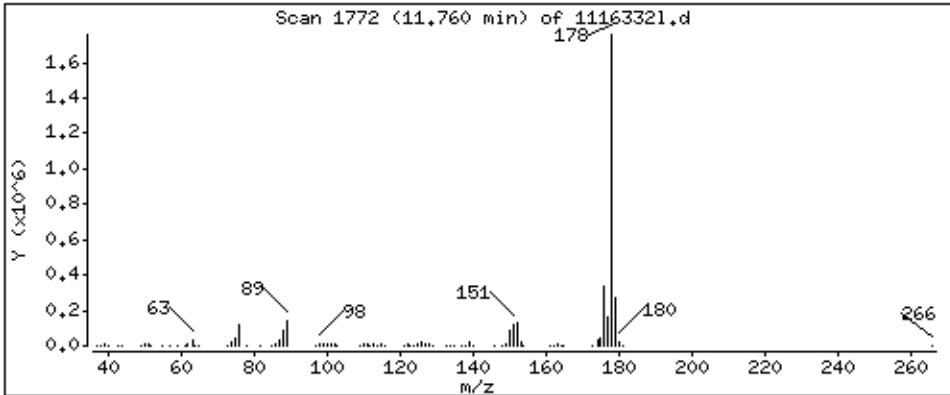
Operator: SN

Column phase: .50um DB-5ms

Column diameter: 0,25

74 Anthracene

Concentration: 96,10 ug/L



Date : 24-JUN-2014 16:52

Client ID: MBLCS

Instrument: 50MSS2.i

Sample Info: 1116445

Volume Injected (uL): 1.0

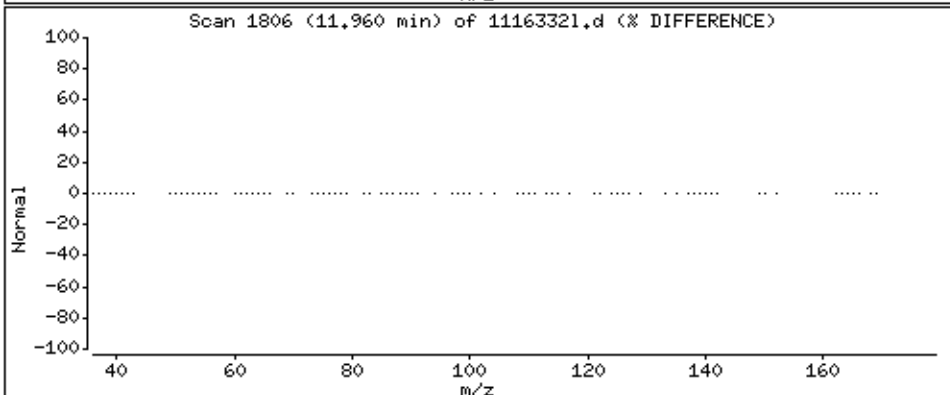
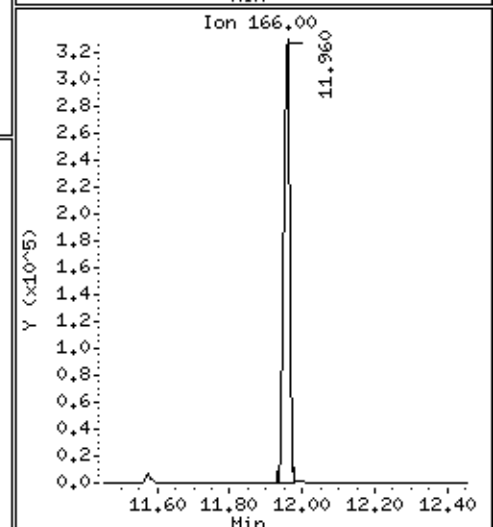
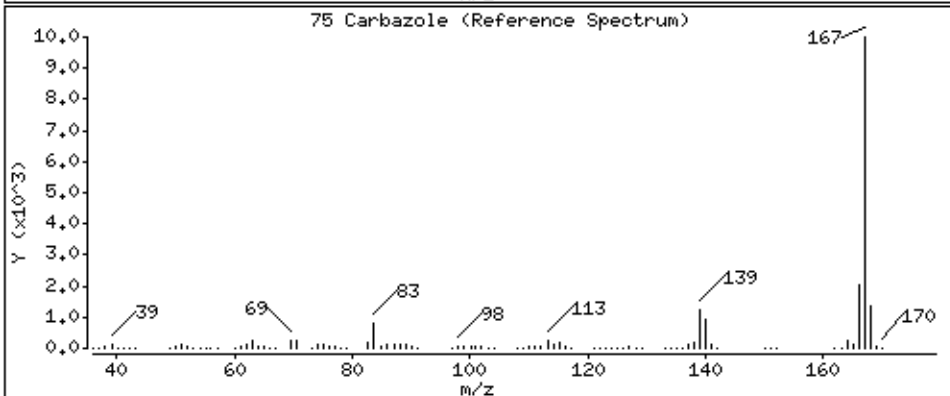
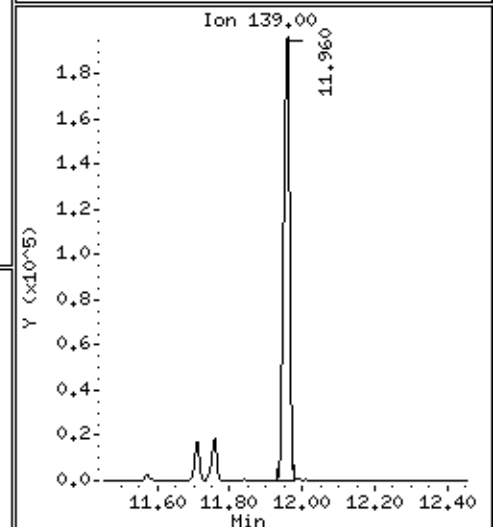
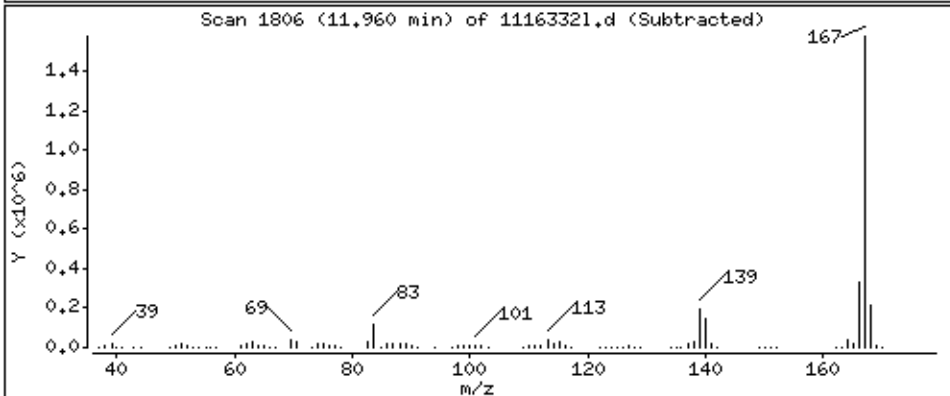
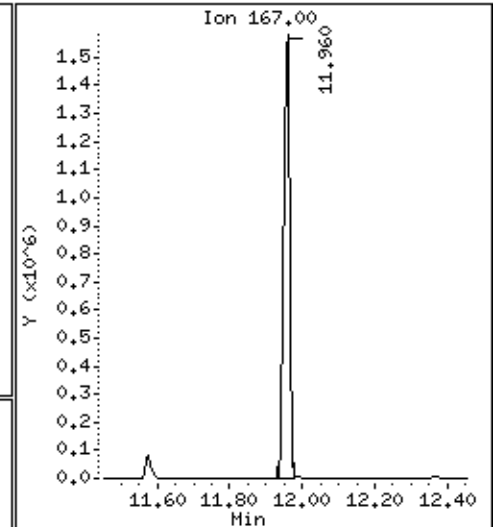
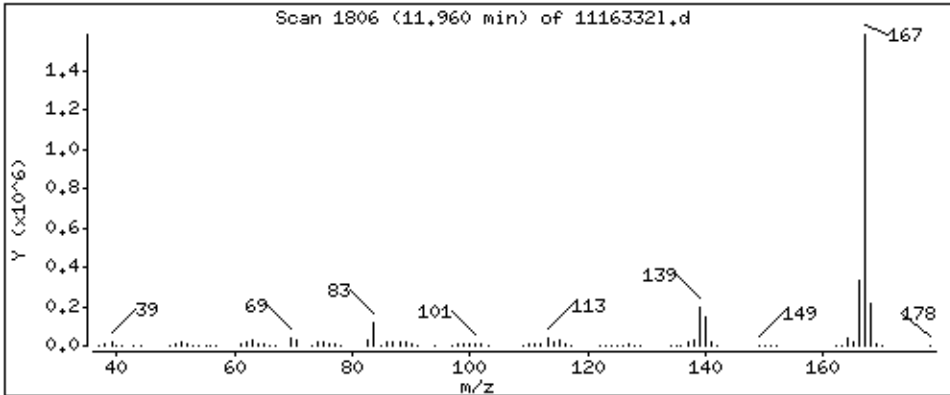
Operator: SN

Column phase: .50um DB-5ms

Column diameter: 0,25

75 Carbazole

Concentration: 97,06 ug/L



Date : 24-JUN-2014 16:52

Client ID: MBLCS

Instrument: 50MSS2.i

Sample Info: 1116445

Volume Injected (uL): 1.0

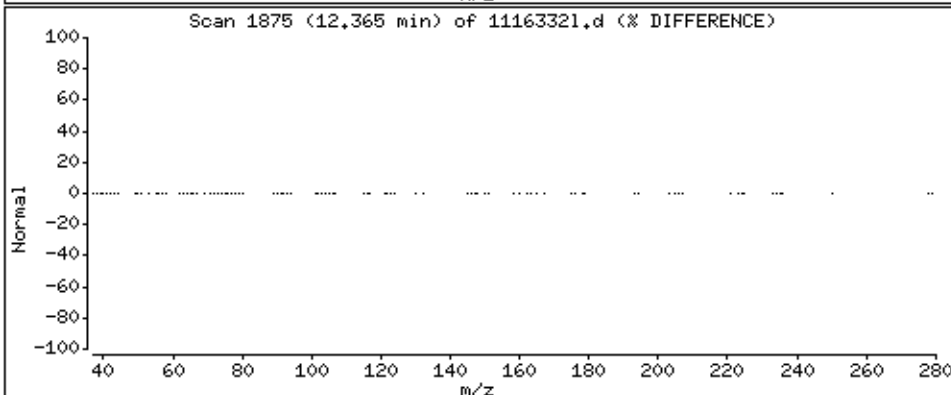
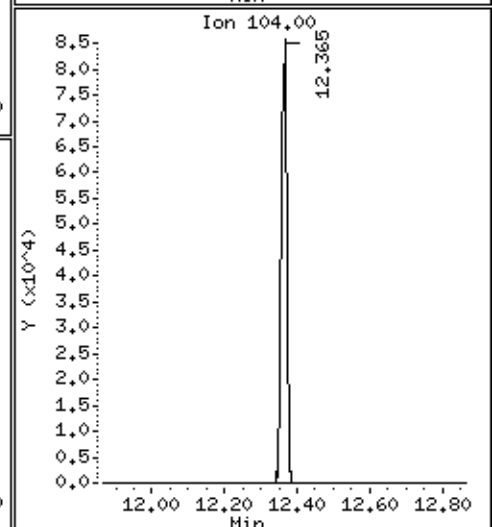
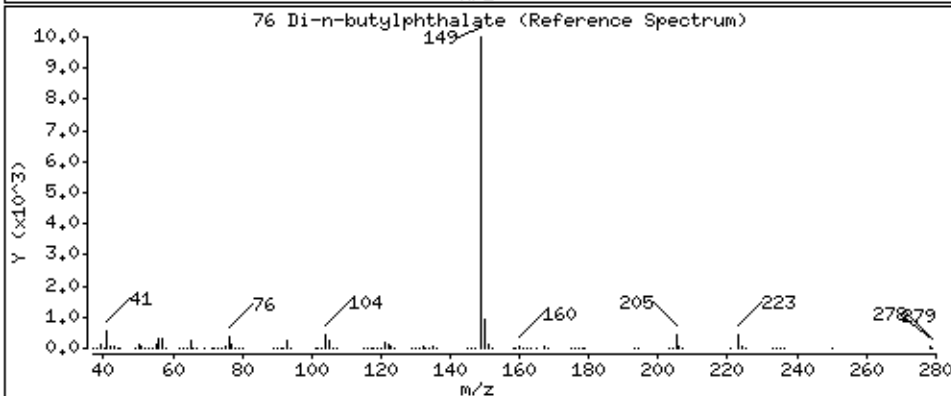
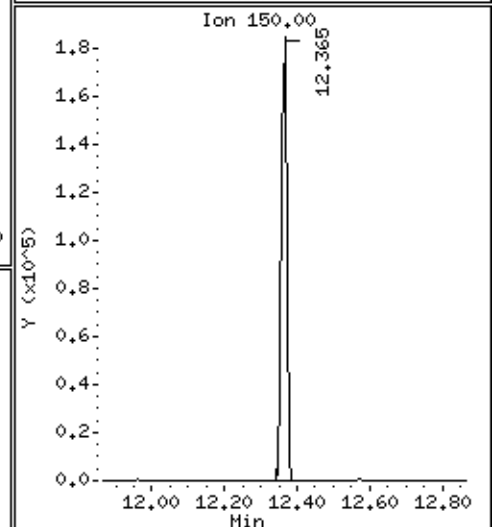
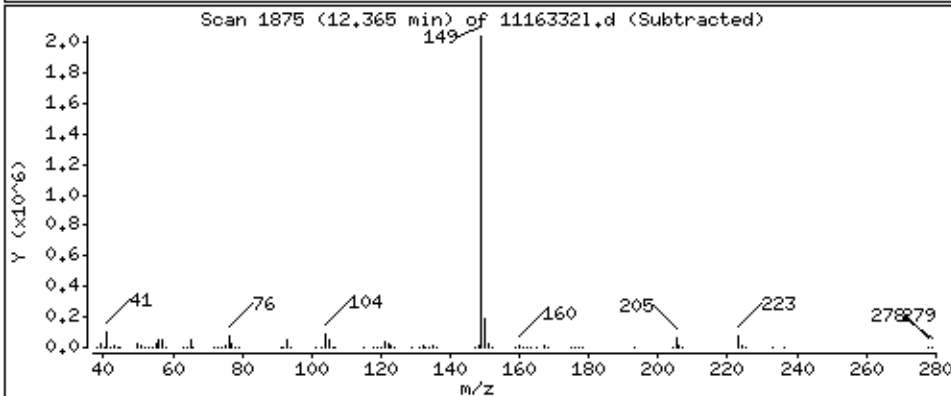
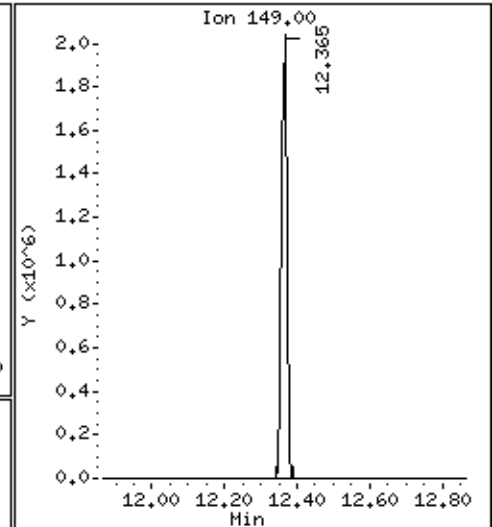
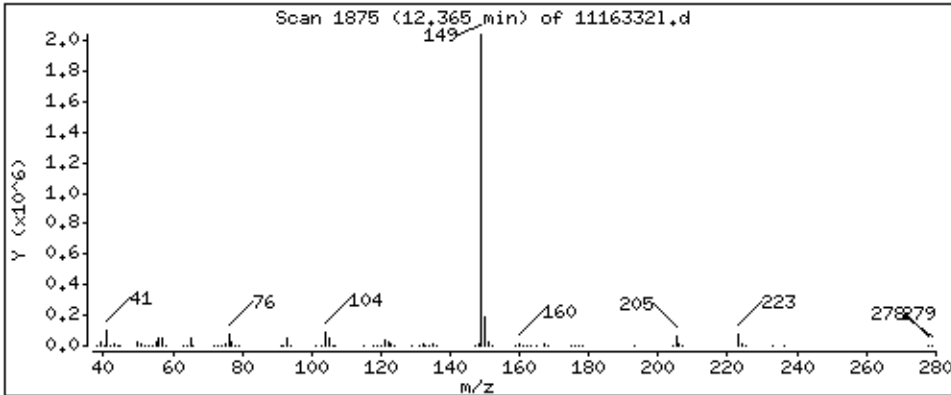
Operator: SN

Column phase: .50um DB-5ms

Column diameter: 0,25

76 Di-n-butylphthalate

Concentration: 95,38 ug/L



Date : 24-JUN-2014 16:52

Client ID: MBLCS

Instrument: 50MSS2.i

Sample Info: 1116445

Volume Injected (uL): 1.0

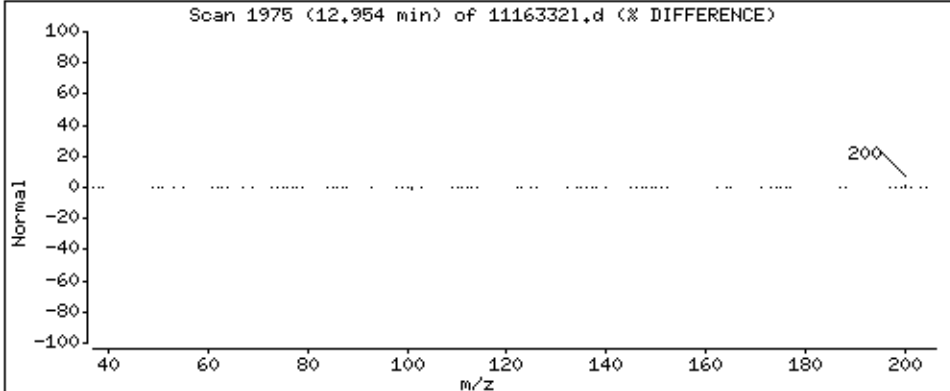
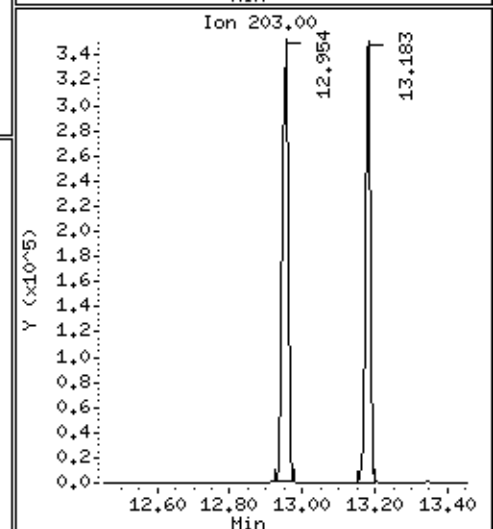
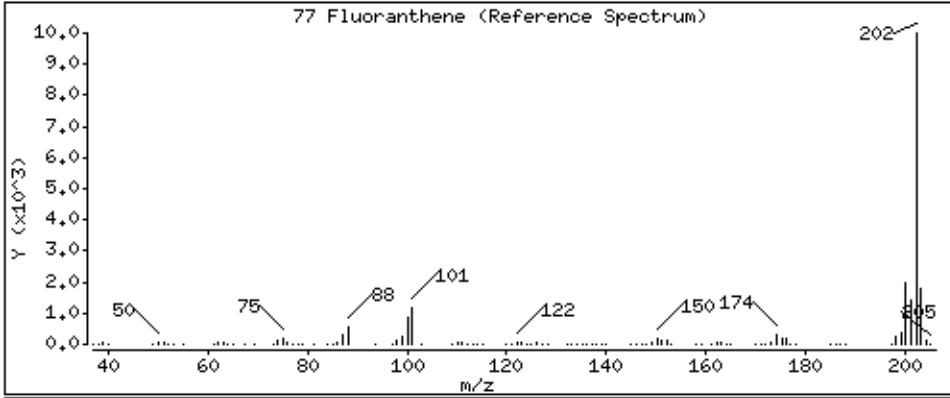
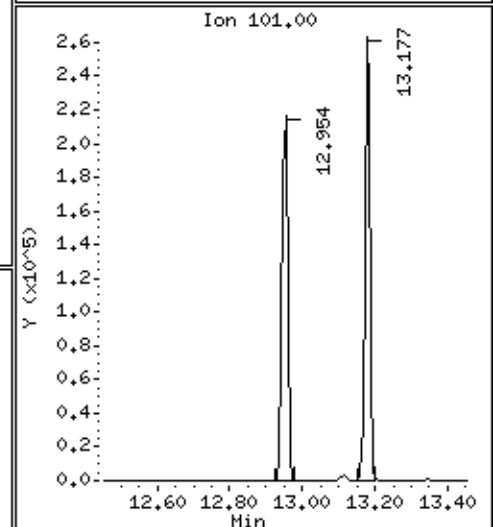
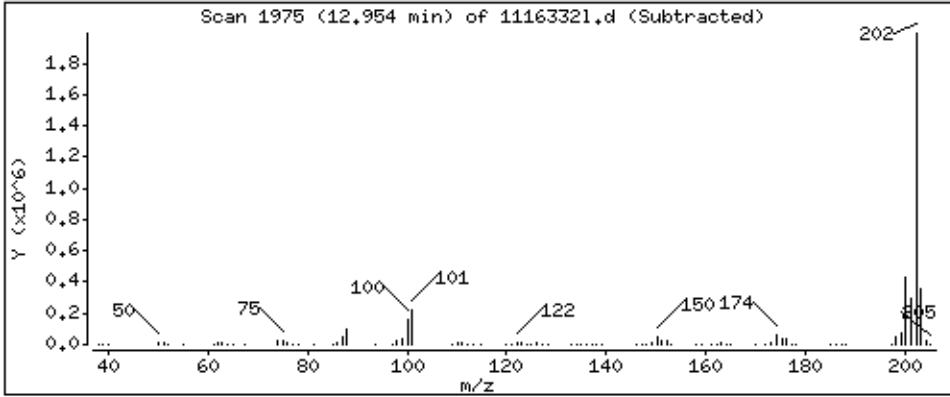
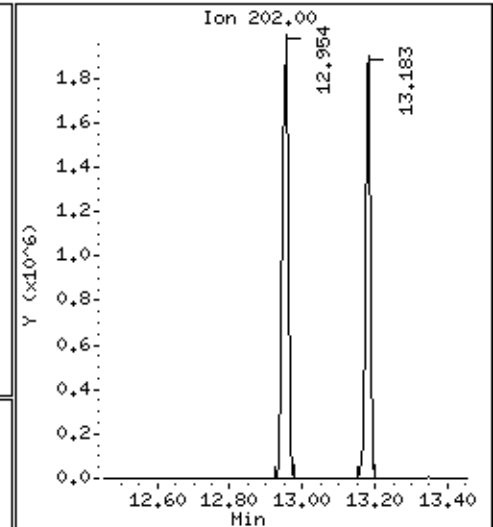
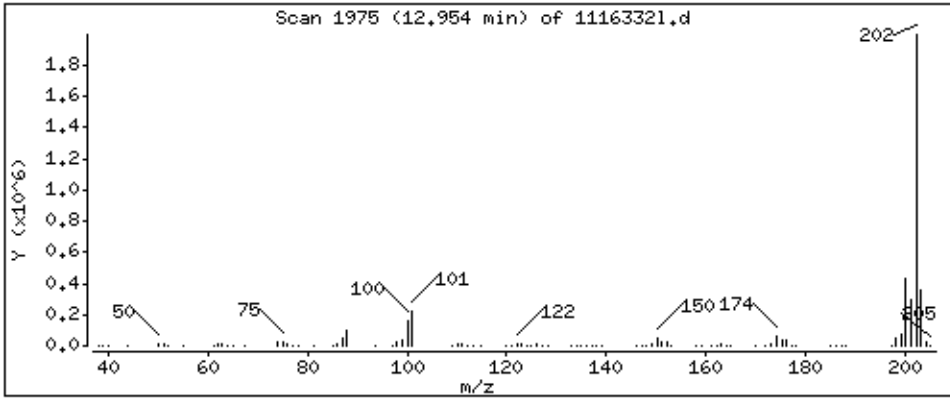
Operator: SN

Column phase: .50um DB-5ms

Column diameter: 0,25

77 Fluoranthene

Concentration: 94,33 ug/L



Date : 24-JUN-2014 16:52

Client ID: MBLCS

Instrument: 50MSS2.i

Sample Info: 1116445

Volume Injected (uL): 1.0

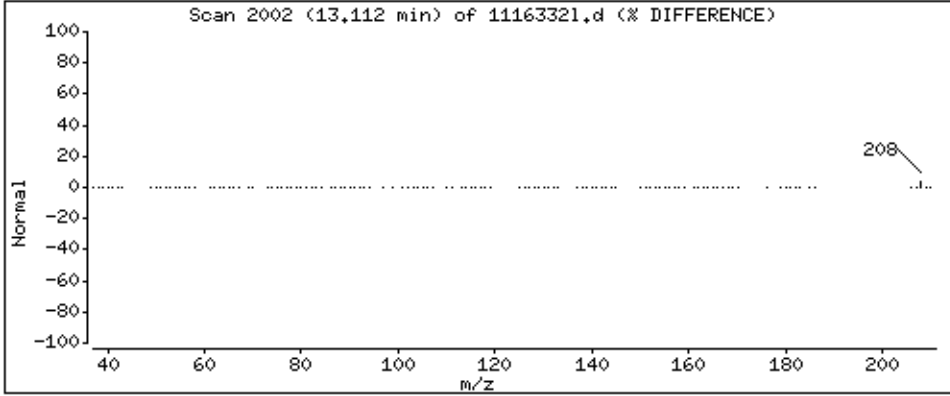
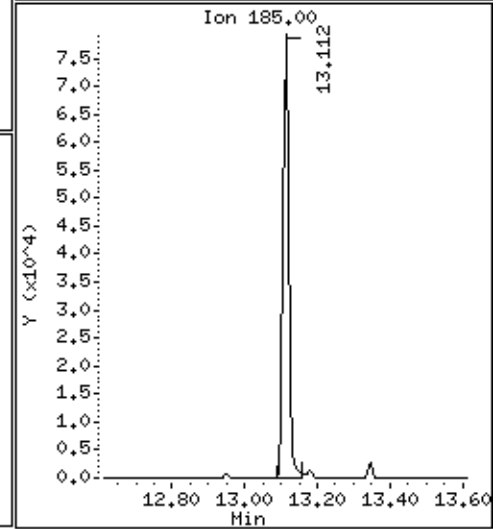
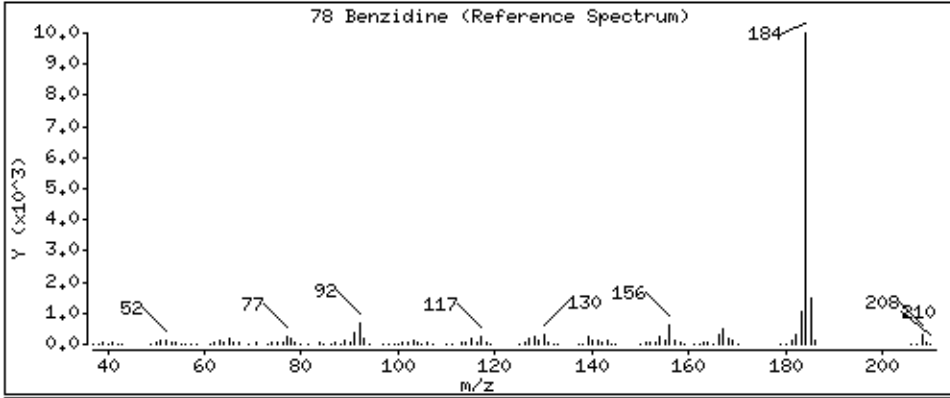
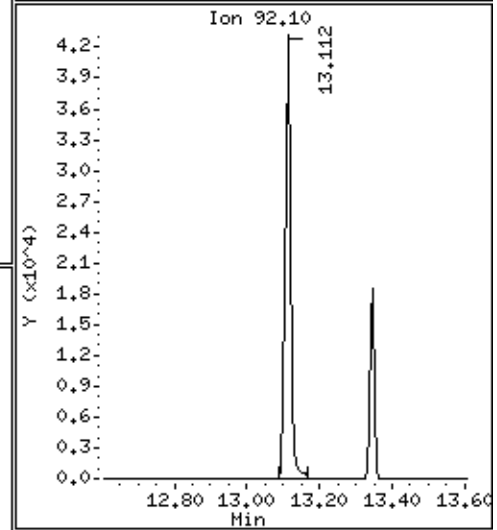
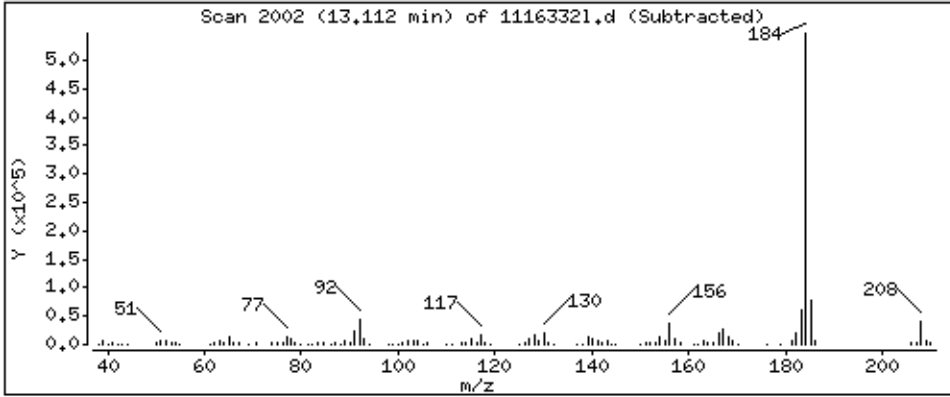
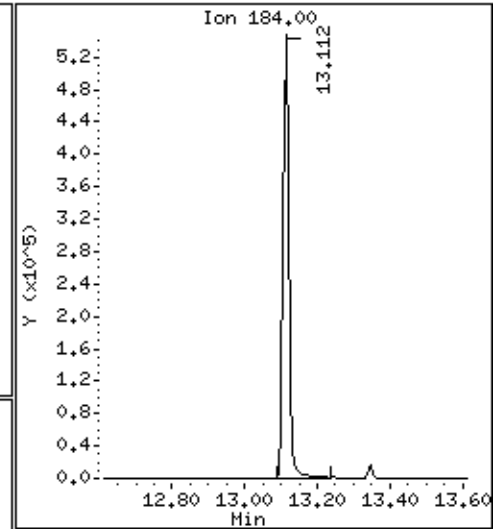
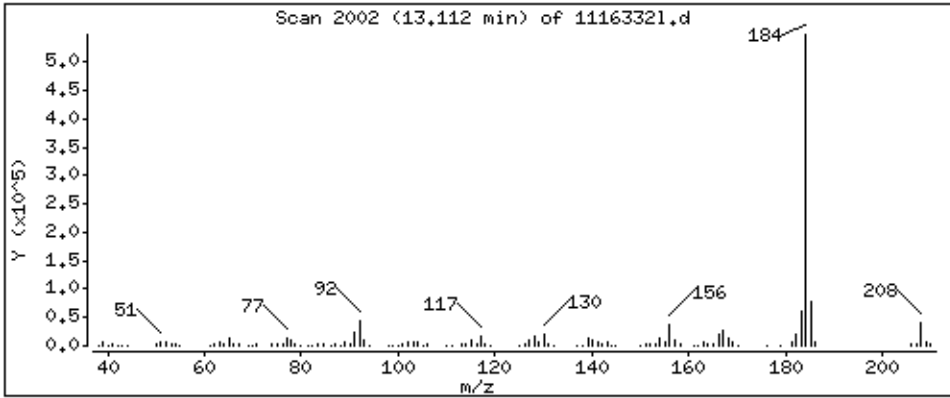
Operator: SN

Column phase: .50um DB-5ms

Column diameter: 0,25

78 Benzidine

Concentration: 119,6 ug/L



Date : 24-JUN-2014 16:52

Client ID: MBLCS

Instrument: 50MSS2.i

Sample Info: 1116445

Volume Injected (uL): 1.0

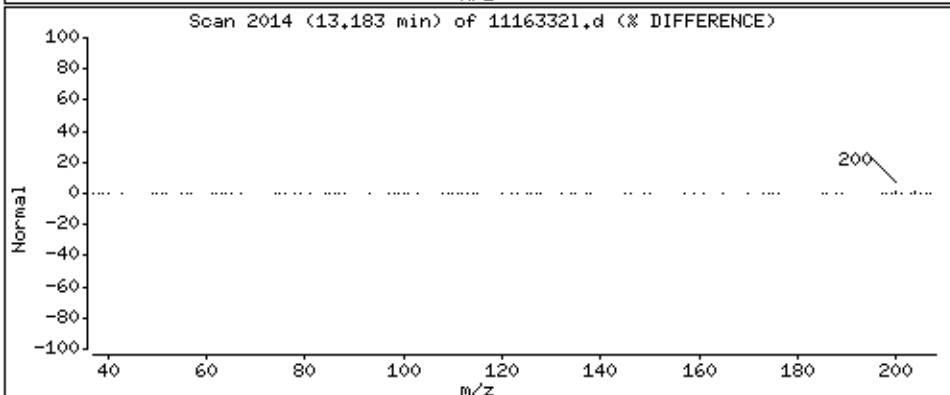
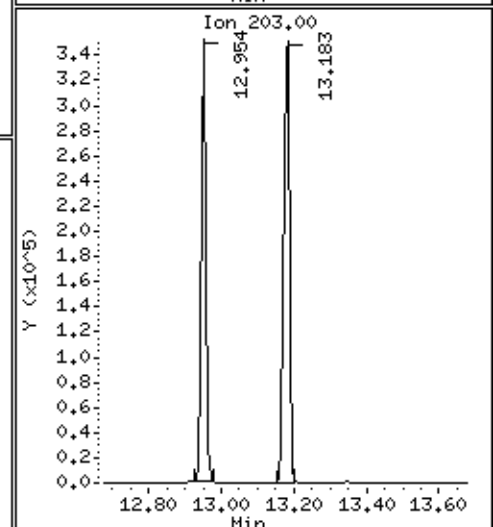
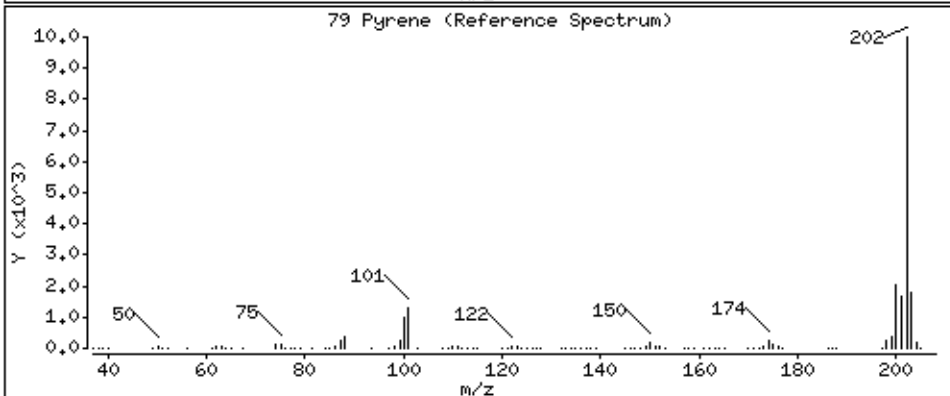
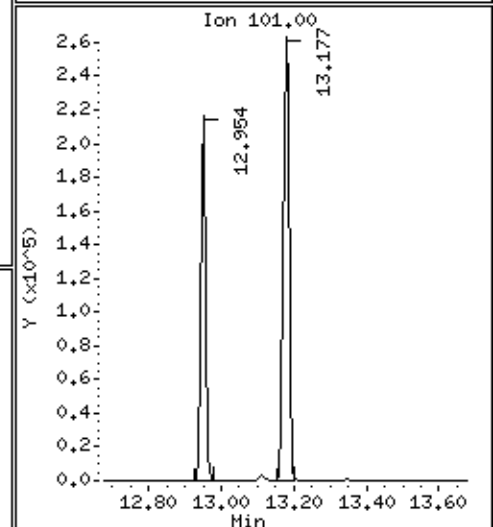
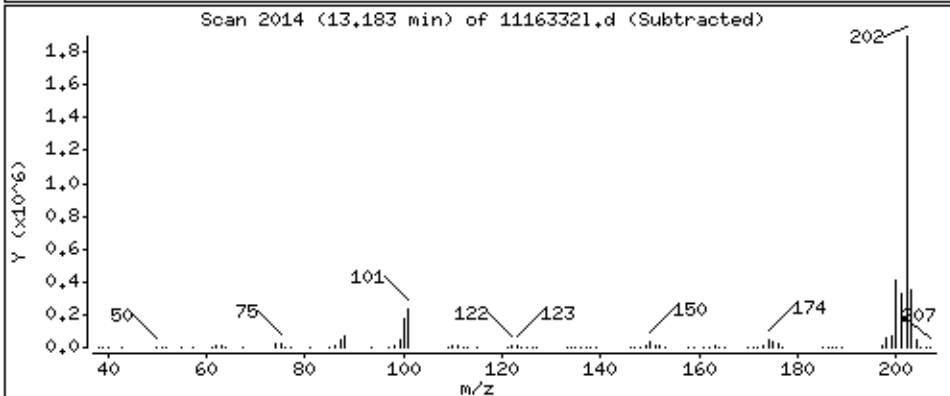
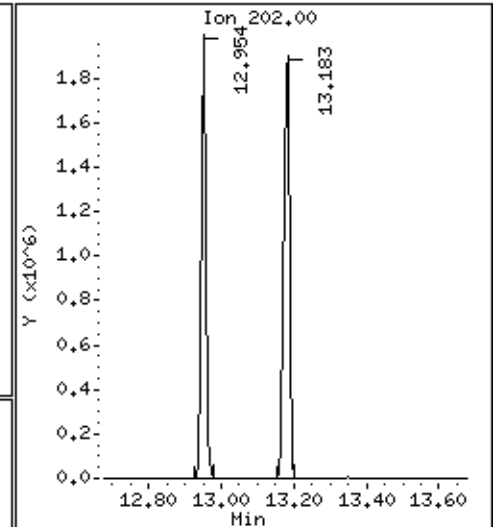
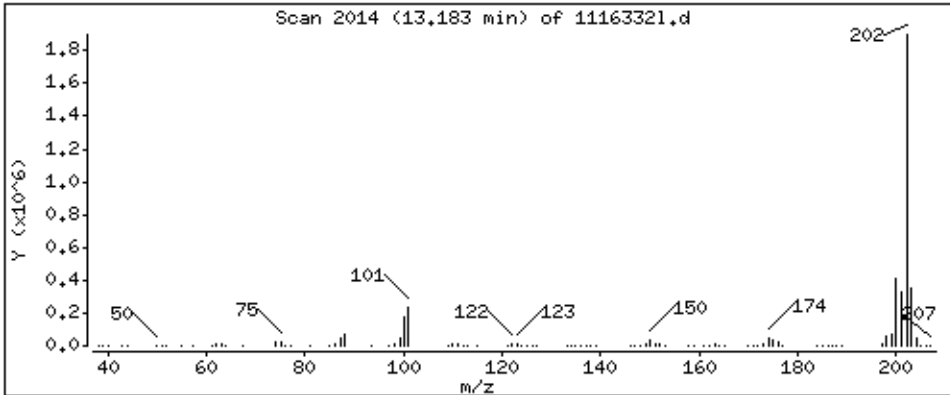
Operator: SN

Column phase: .50um DB-5ms

Column diameter: 0,25

79 Pyrene

Concentration: 91.98 ug/L



Date : 24-JUN-2014 16:52

Client ID: MBLCS

Instrument: 50MSS2.i

Sample Info: 1116445

Volume Injected (uL): 1.0

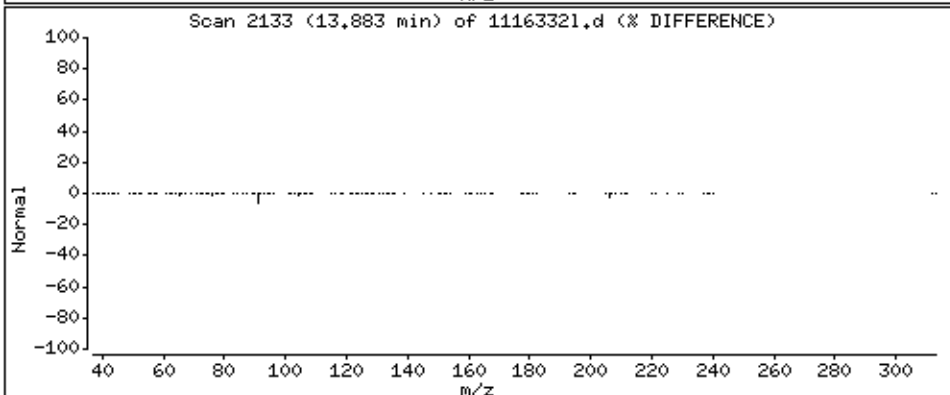
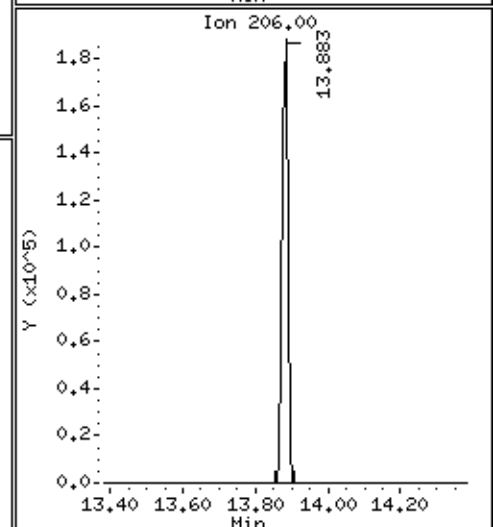
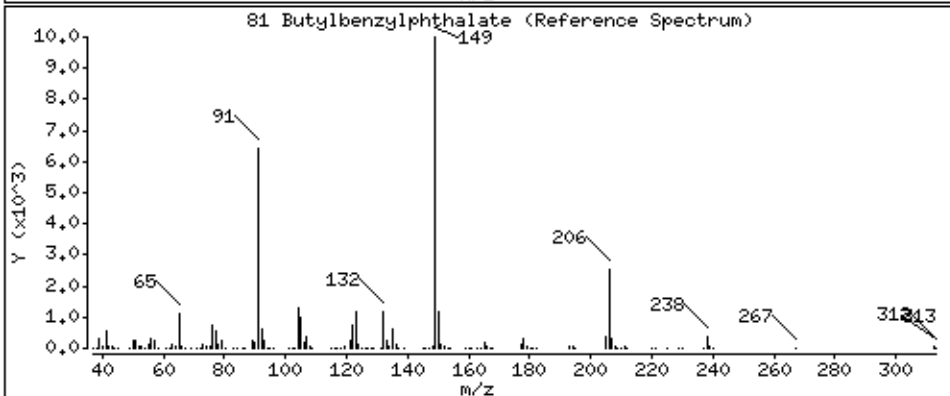
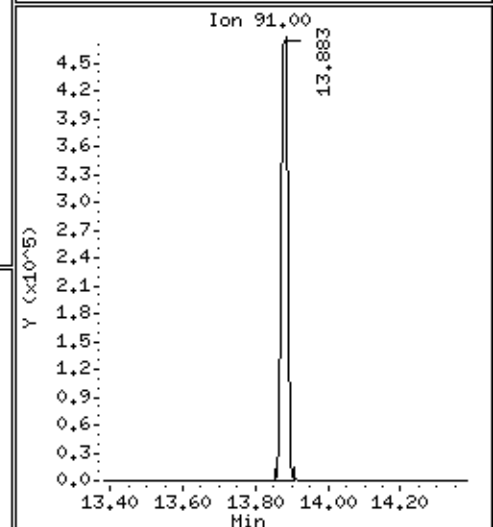
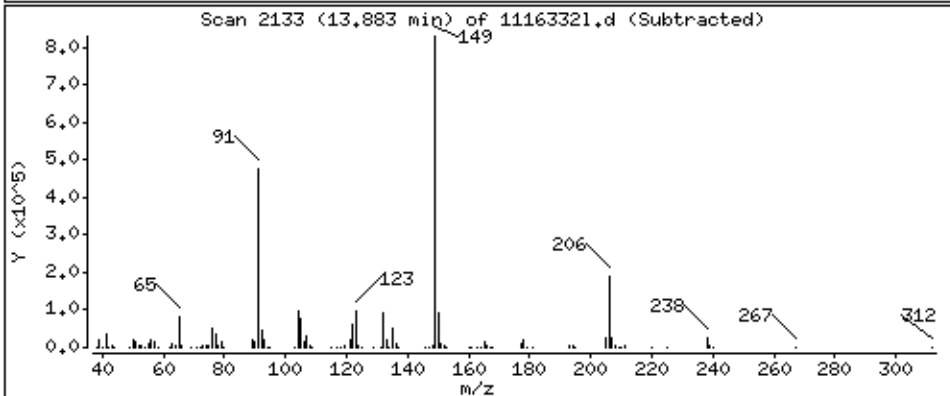
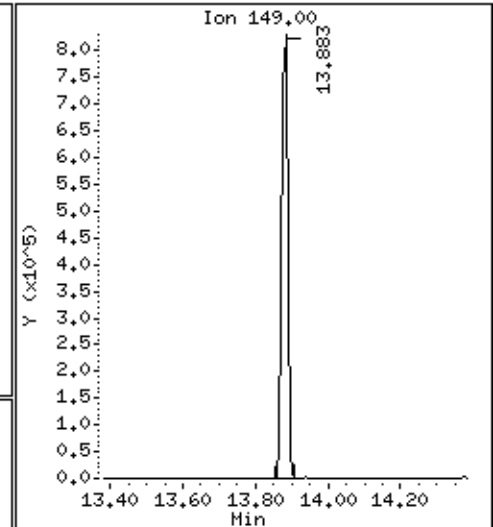
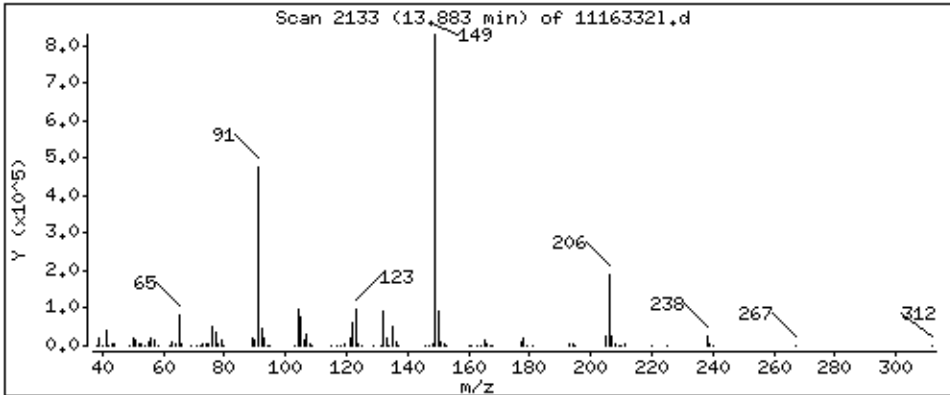
Operator: SN

Column phase: .50um DB-5ms

Column diameter: 0,25

81 Butylbenzylphthalate

Concentration: 100,8 ug/L



Date : 24-JUN-2014 16:52

Client ID: MBLCS

Instrument: 50MSS2.i

Sample Info: 1116445

Volume Injected (uL): 1.0

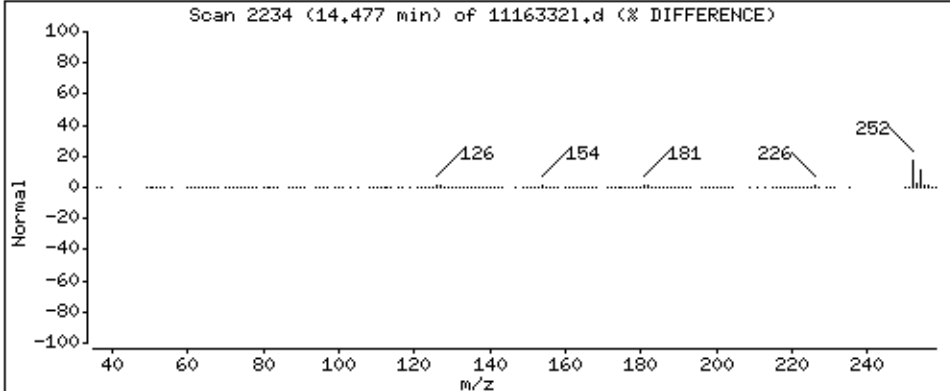
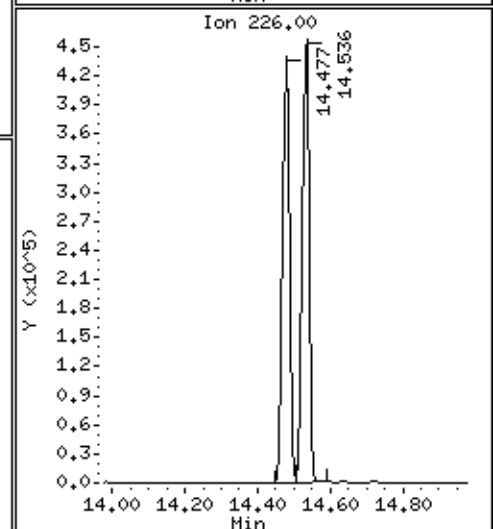
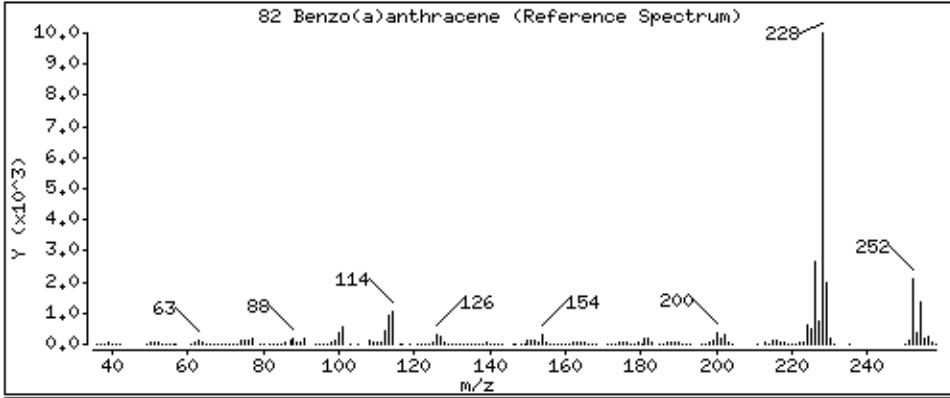
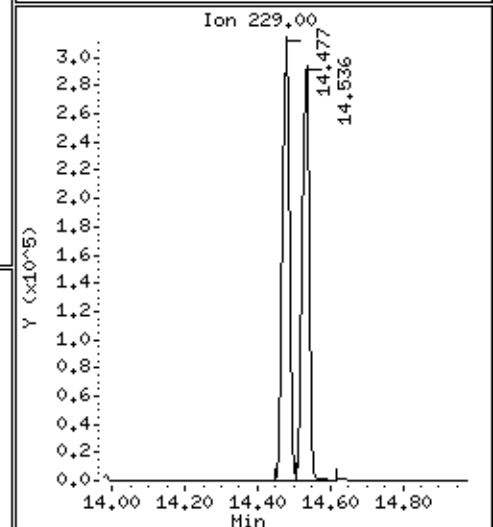
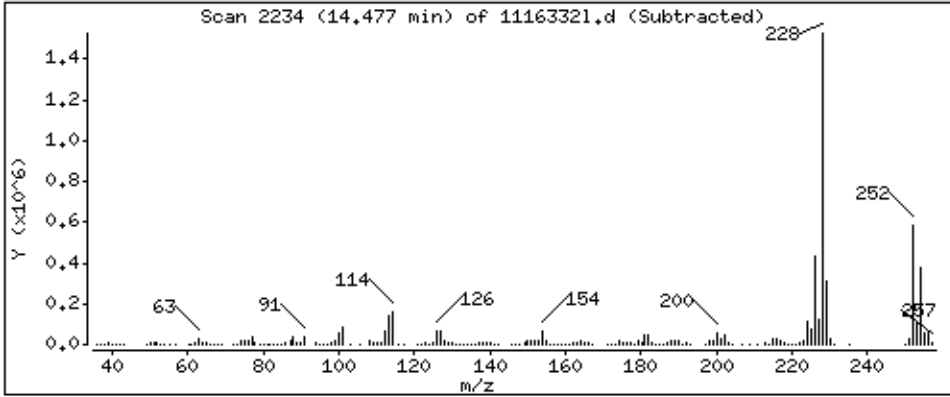
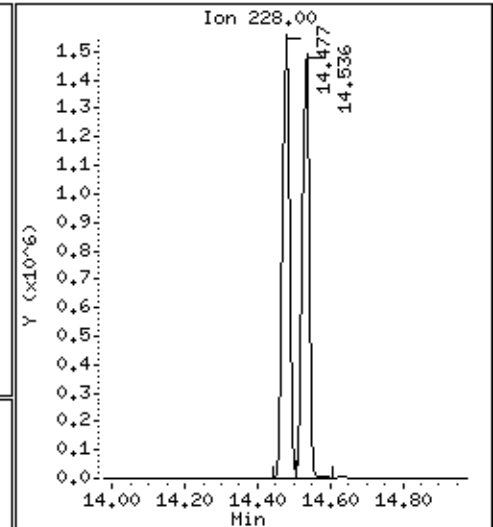
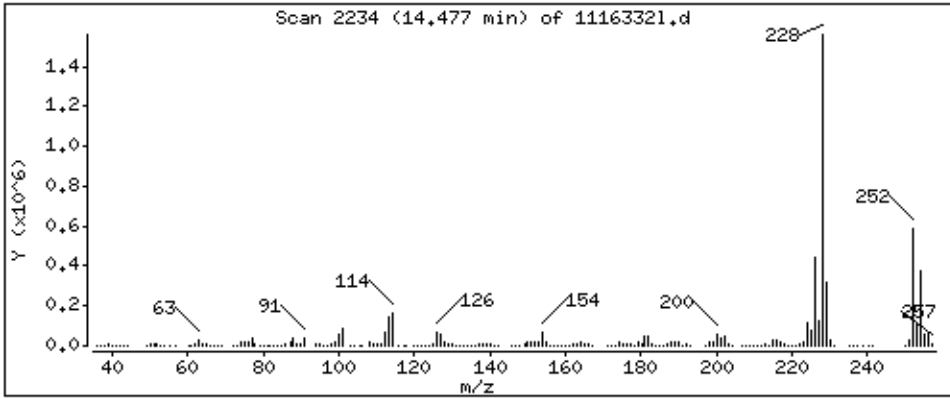
Operator: SN

Column phase: .50um DB-5ms

Column diameter: 0,25

82 Benzo(a)anthracene

Concentration: 94,11 ug/L



Date : 24-JUN-2014 16:52

Client ID: MBLCS

Instrument: 50MSS2.i

Sample Info: 1116445

Volume Injected (uL): 1.0

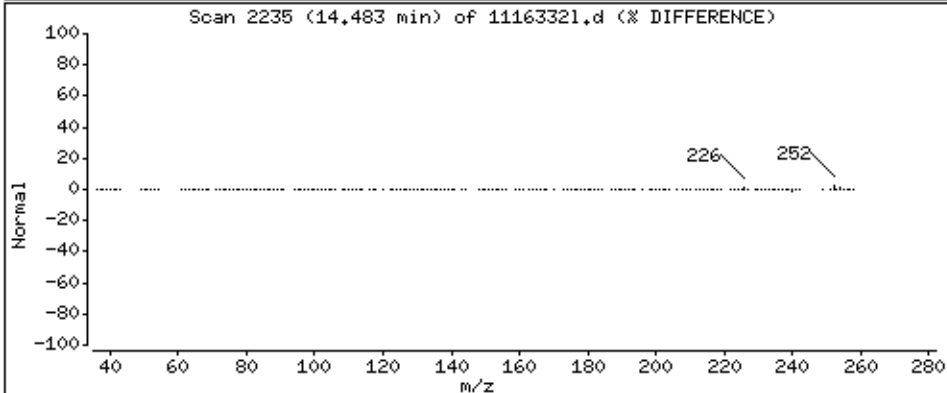
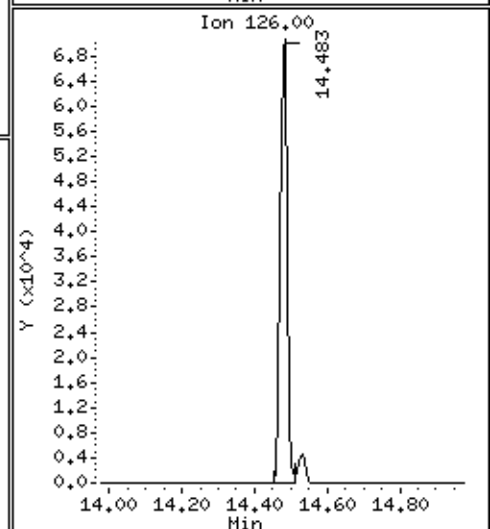
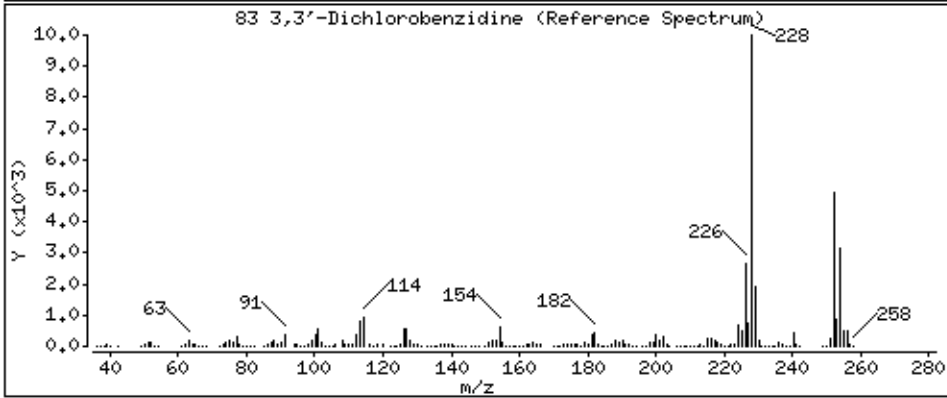
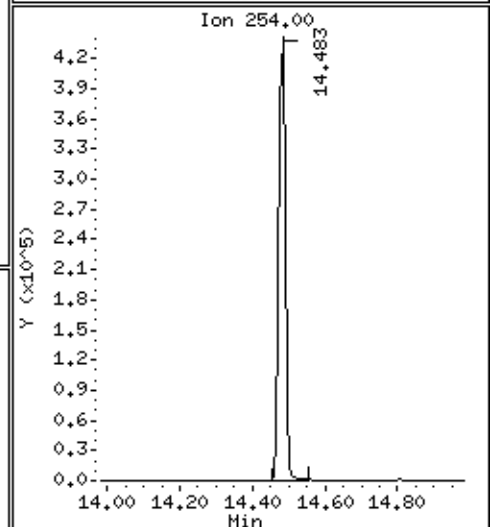
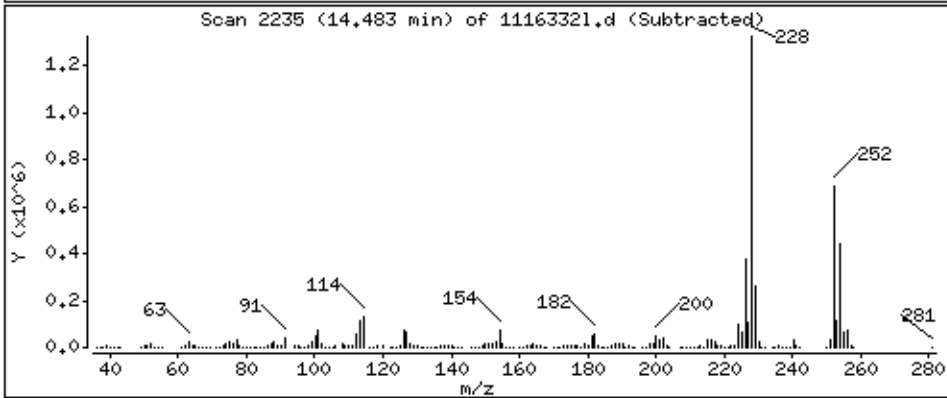
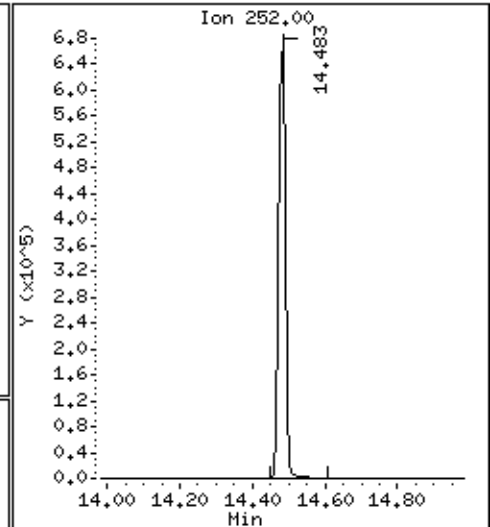
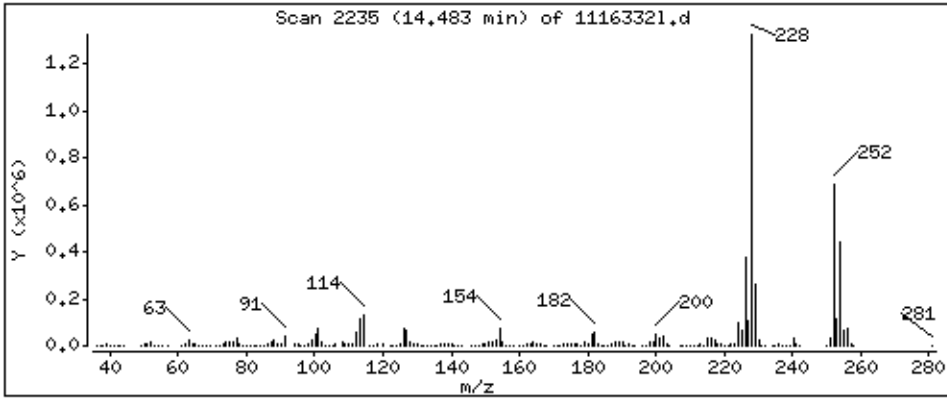
Operator: SN

Column phase: .50um DB-5ms

Column diameter: 0,25

83 3,3'-Dichlorobenzidine

Concentration: 114,5 ug/L



Date : 24-JUN-2014 16:52

Client ID: MBLCS

Instrument: 50MSS2.i

Sample Info: 1116445

Volume Injected (uL): 1.0

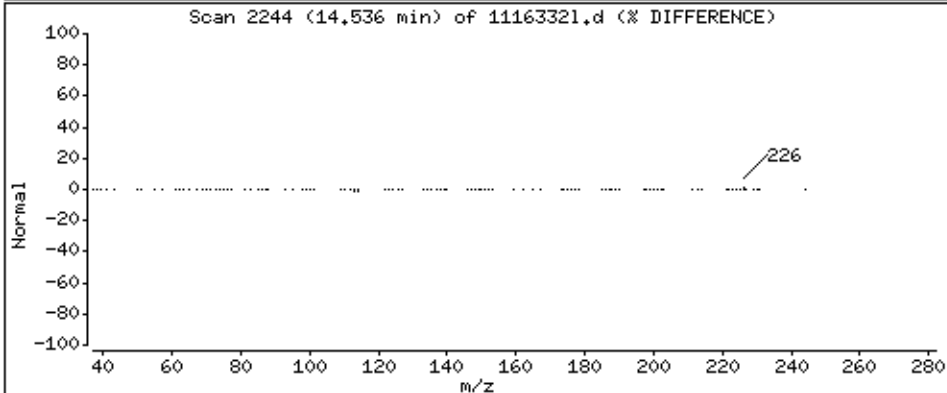
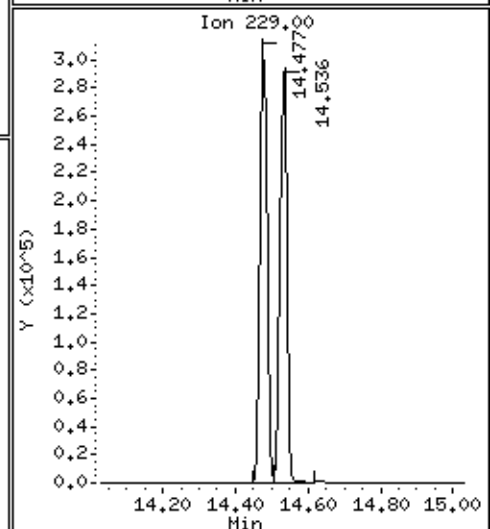
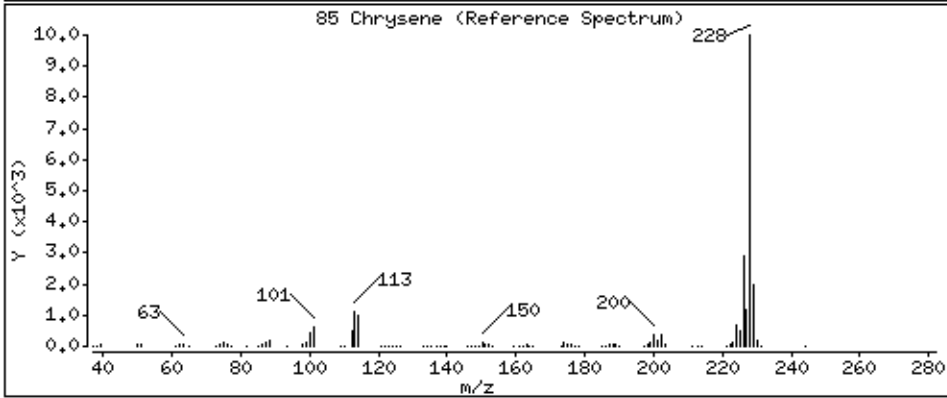
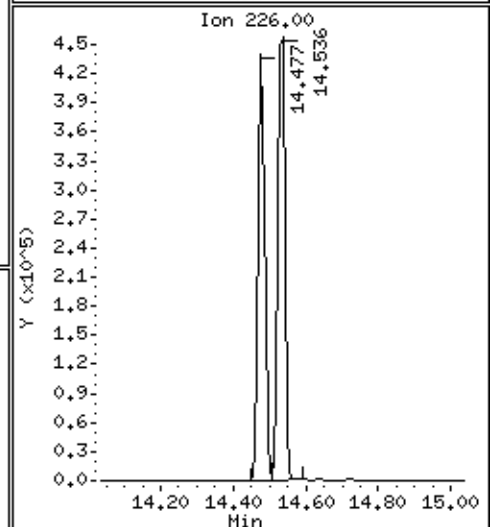
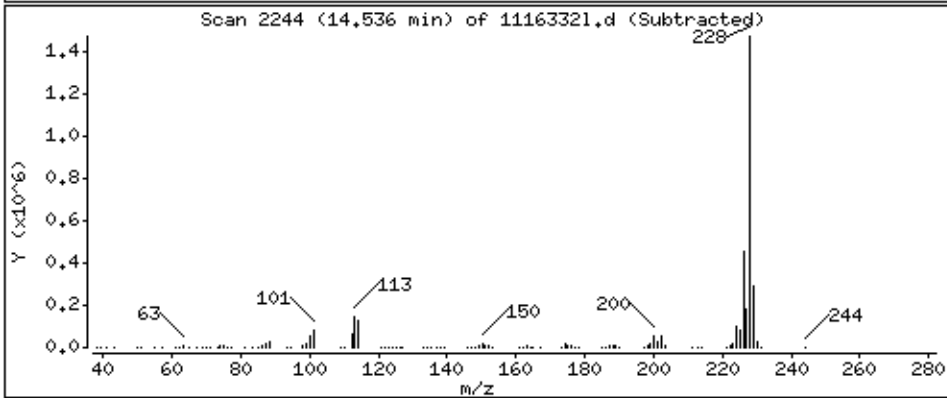
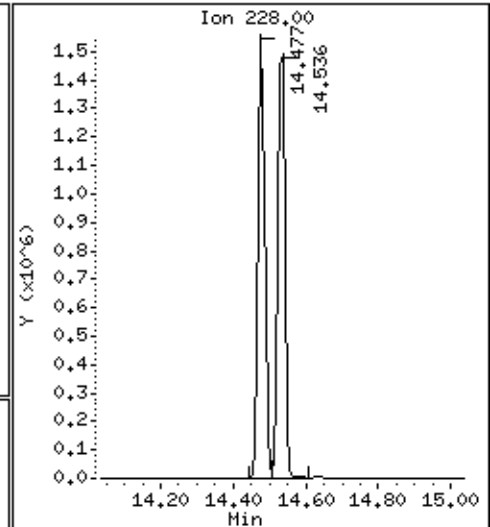
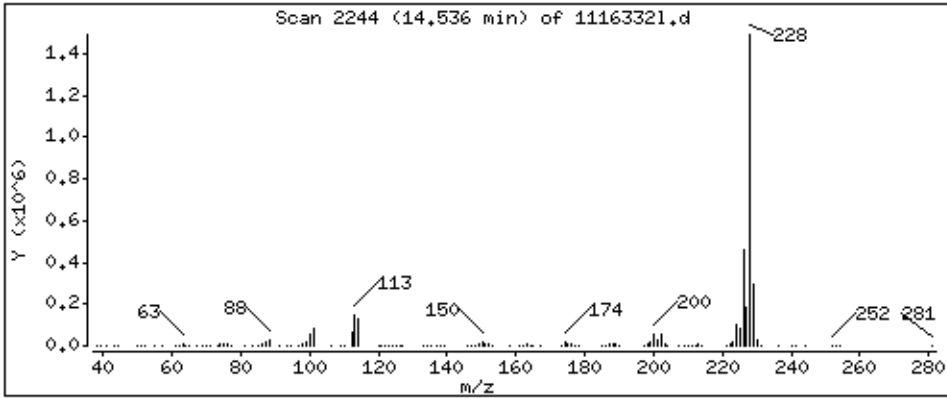
Operator: SN

Column phase: .50um DB-5ms

Column diameter: 0,25

85 Chrysene

Concentration: 96,53 ug/L



Date : 24-JUN-2014 16:52

Client ID: MBLCS

Instrument: 50MSS2.i

Sample Info: 1116445

Volume Injected (uL): 1.0

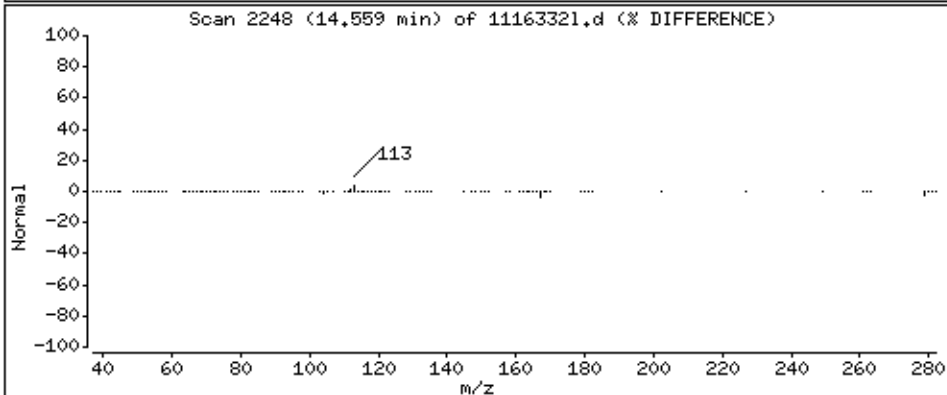
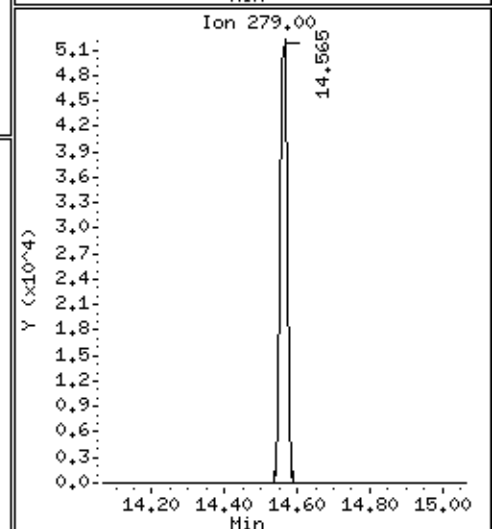
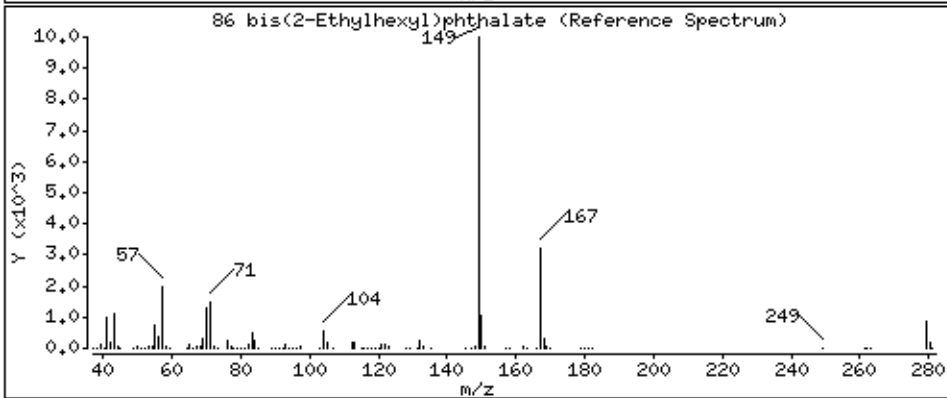
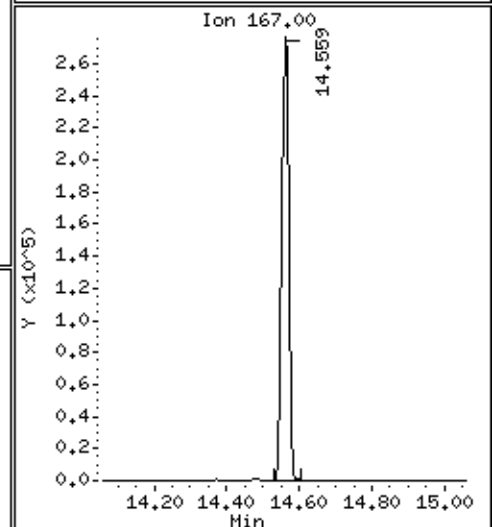
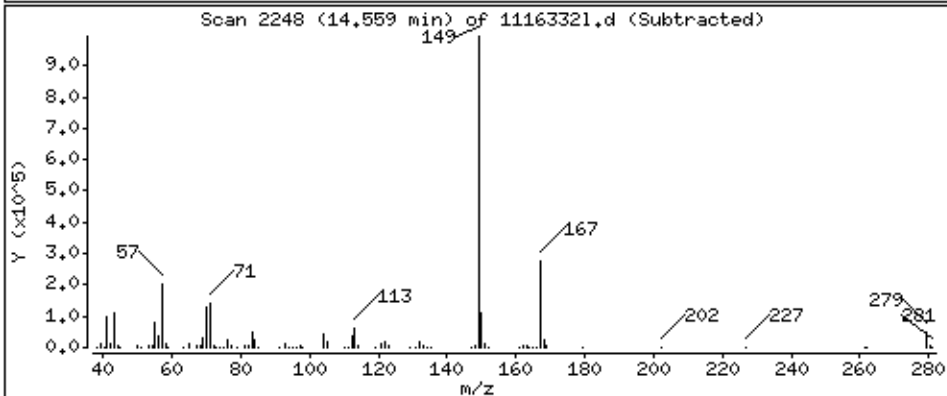
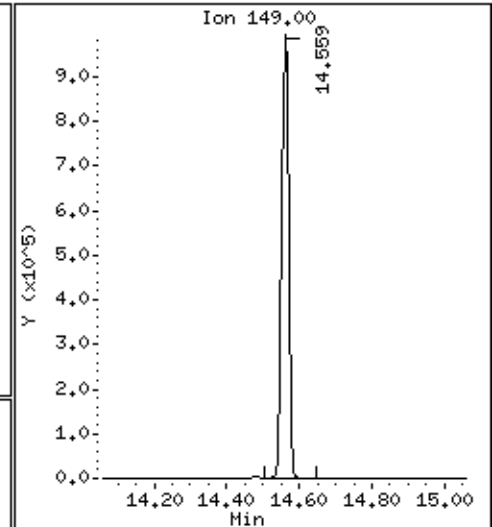
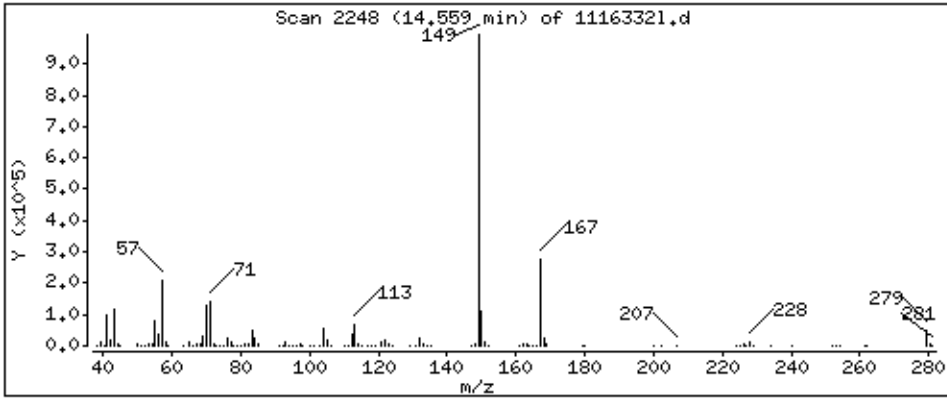
Operator: SN

Column phase: .50um DB-5ms

Column diameter: 0,25

86 bis(2-Ethylhexyl)phthalate

Concentration: 101.0 ug/L



Date : 24-JUN-2014 16:52

Client ID: MBLCS

Instrument: 50MSS2.i

Sample Info: 1116445

Volume Injected (uL): 1.0

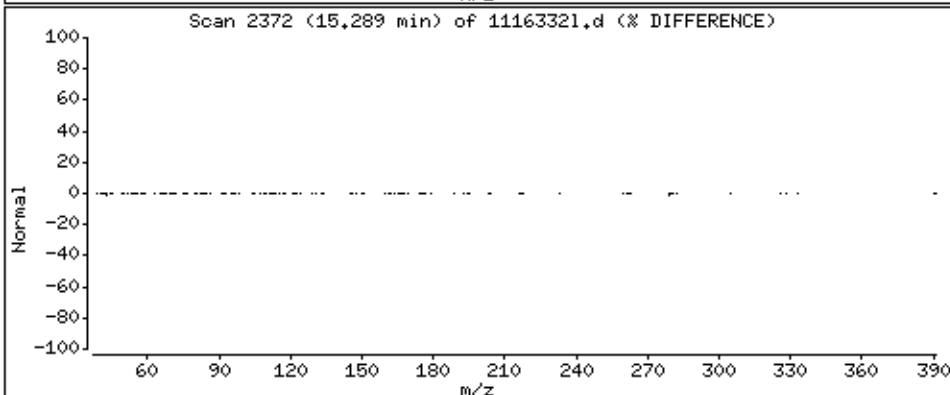
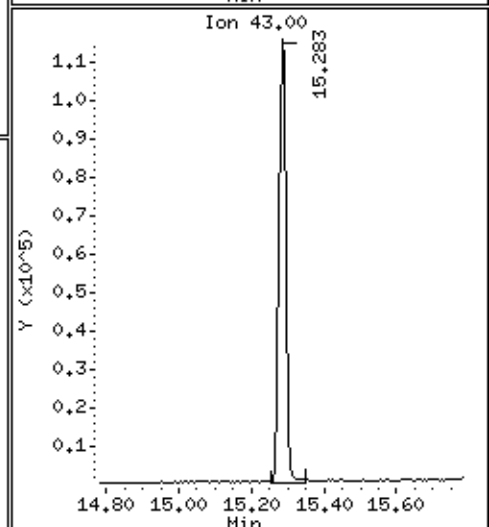
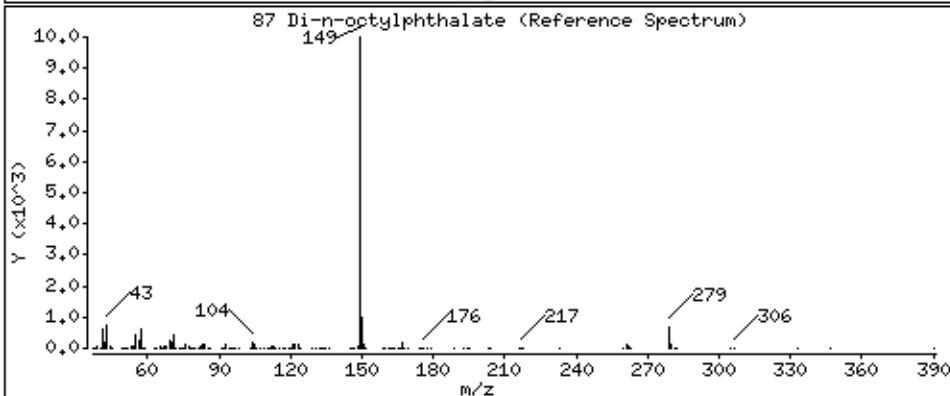
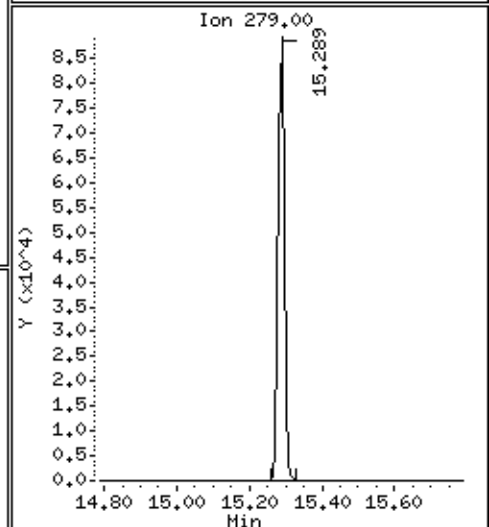
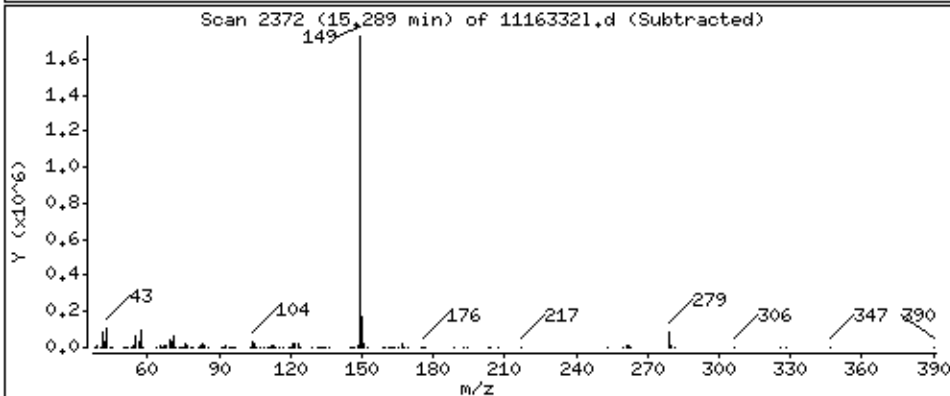
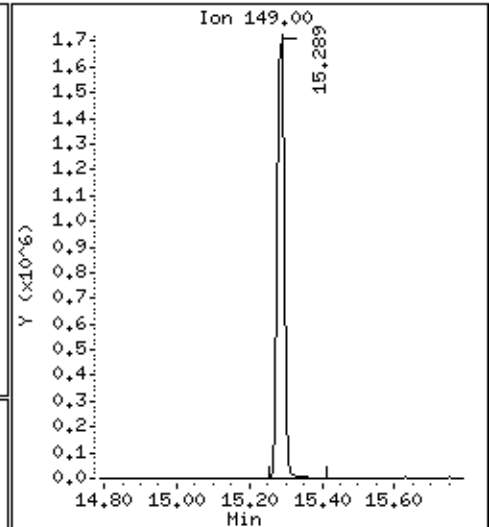
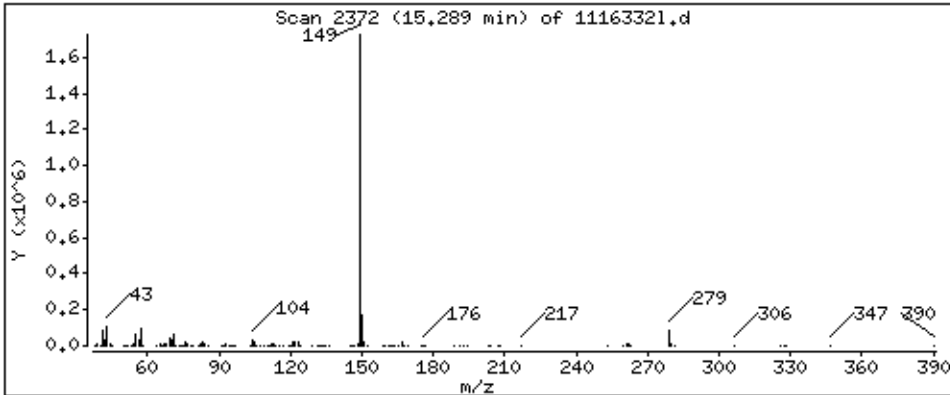
Operator: SN

Column phase: .50um DB-5ms

Column diameter: 0,25

87 Di-n-octylphthalate

Concentration: 99,37 ug/L



Date : 24-JUN-2014 16:52

Client ID: MBLCS

Instrument: 50MSS2.i

Sample Info: 1116445

Volume Injected (uL): 1.0

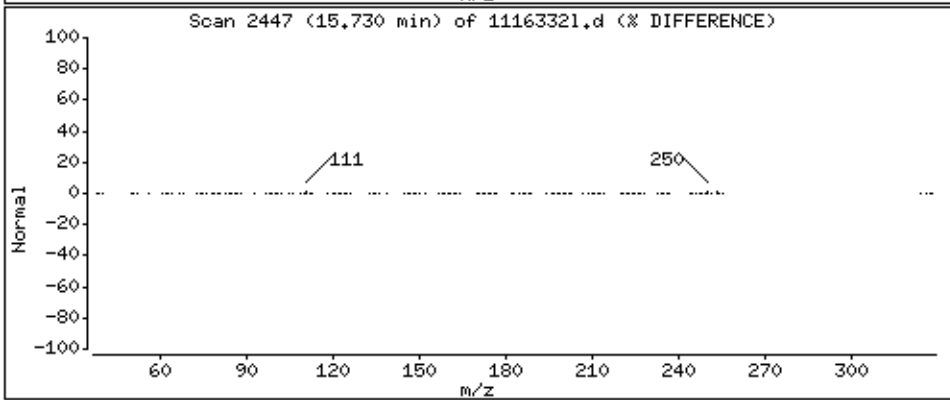
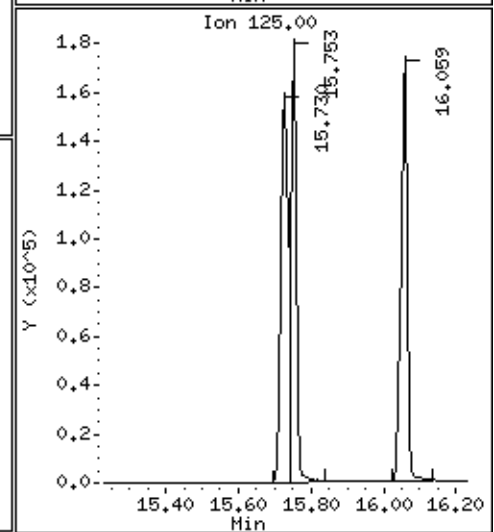
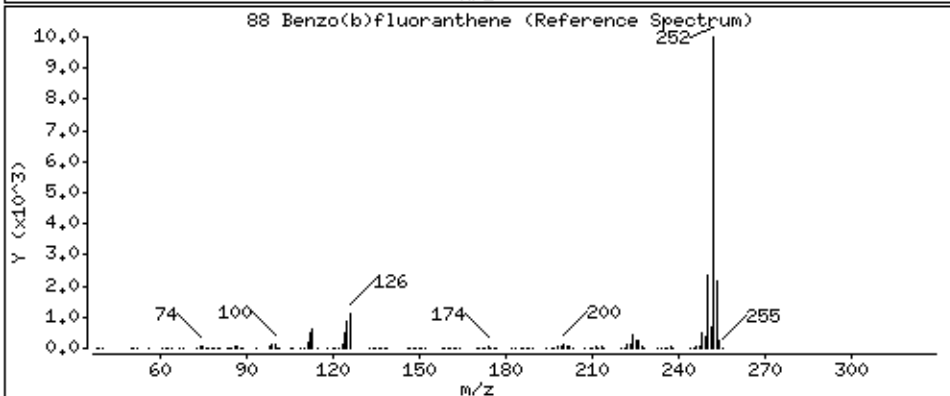
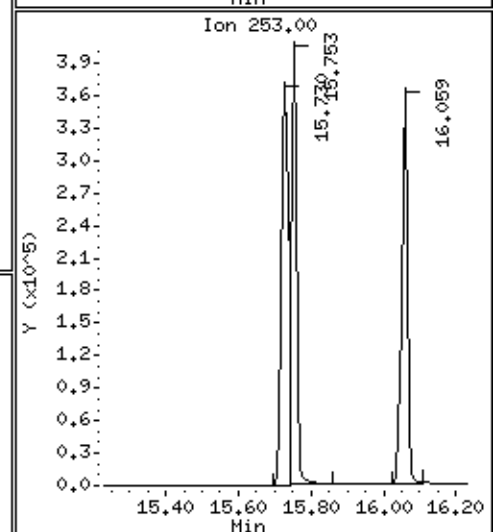
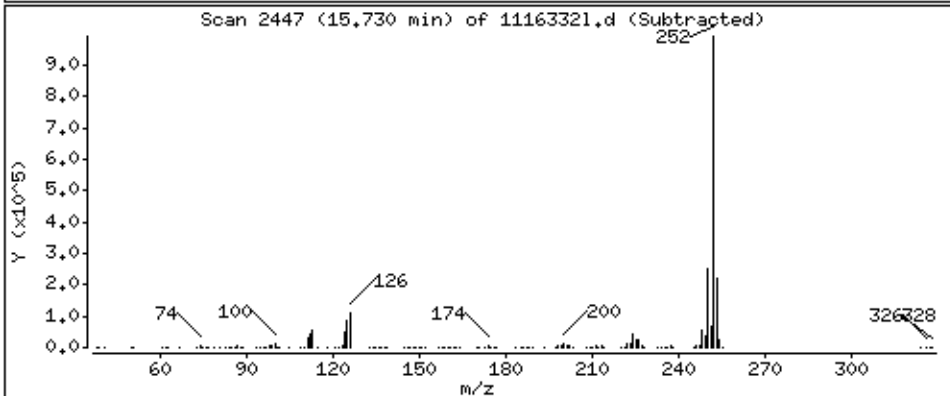
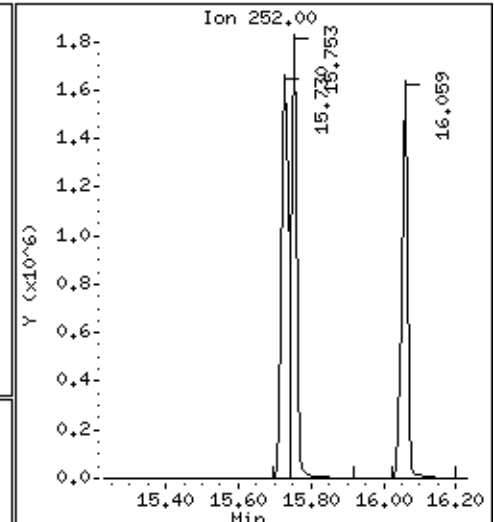
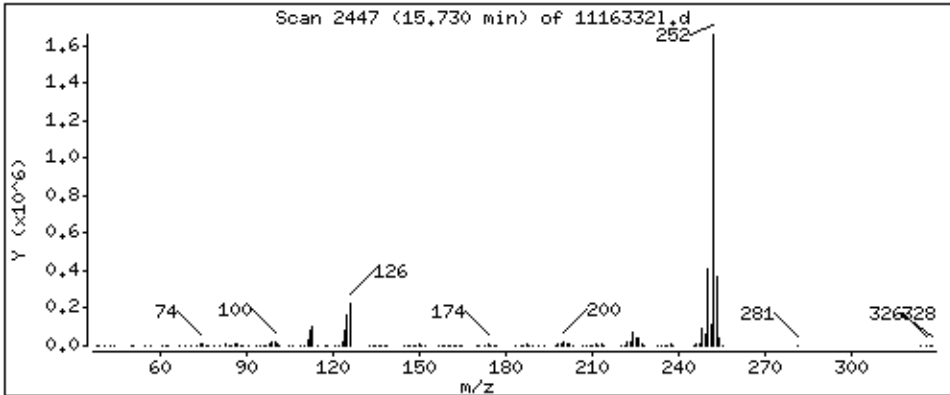
Operator: SN

Column phase: .50um DB-5ms

Column diameter: 0,25

88 Benzo(b)fluoranthene

Concentration: 95,50 ug/L



Date : 24-JUN-2014 16:52

Client ID: MBLCS

Instrument: 50MSS2.i

Sample Info: 1116445

Volume Injected (uL): 1.0

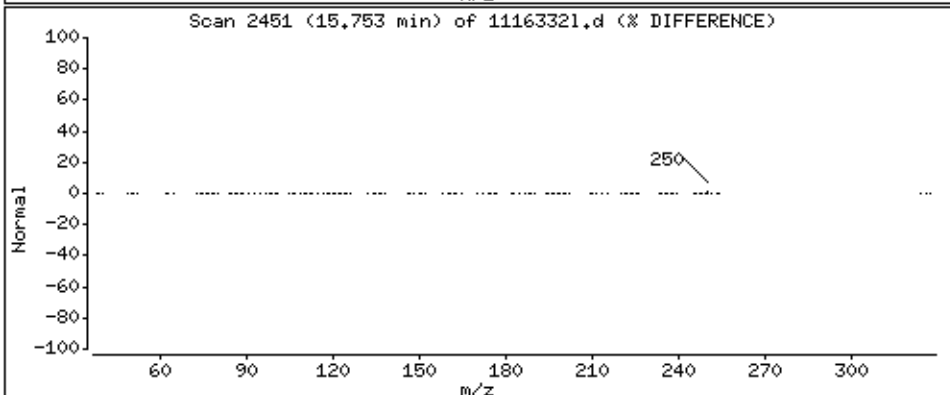
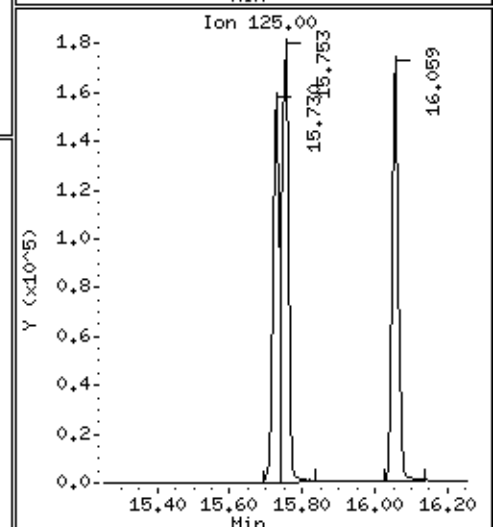
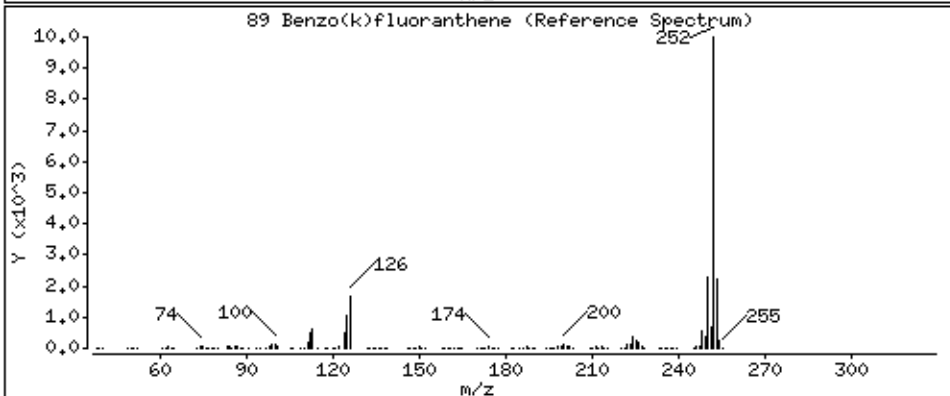
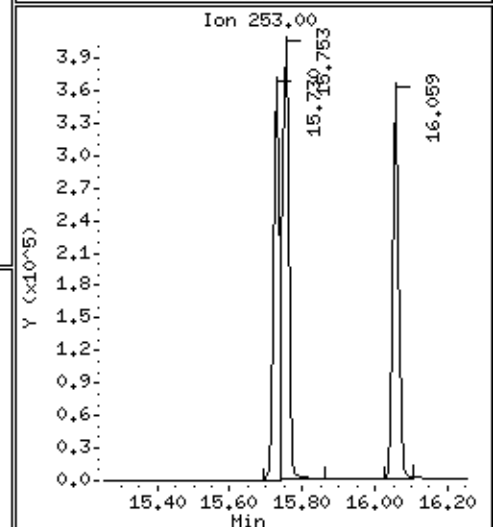
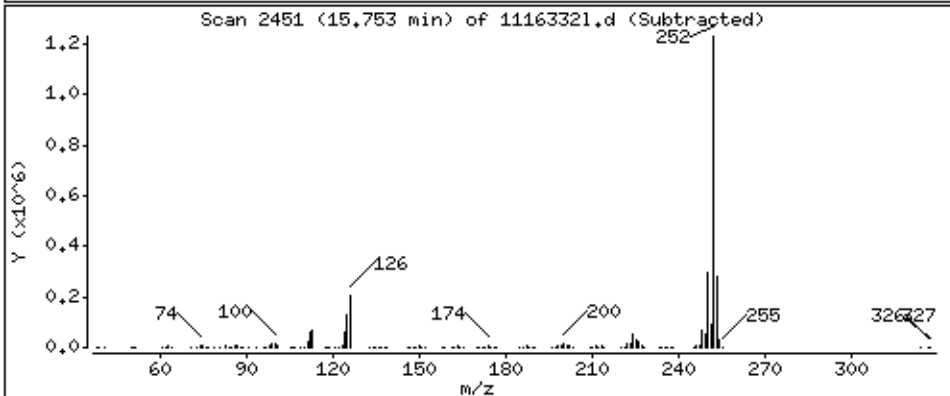
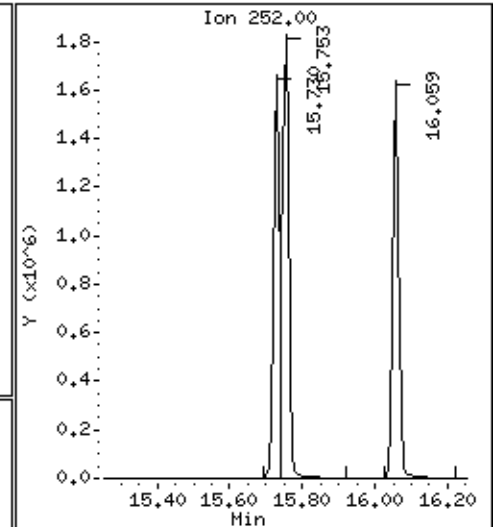
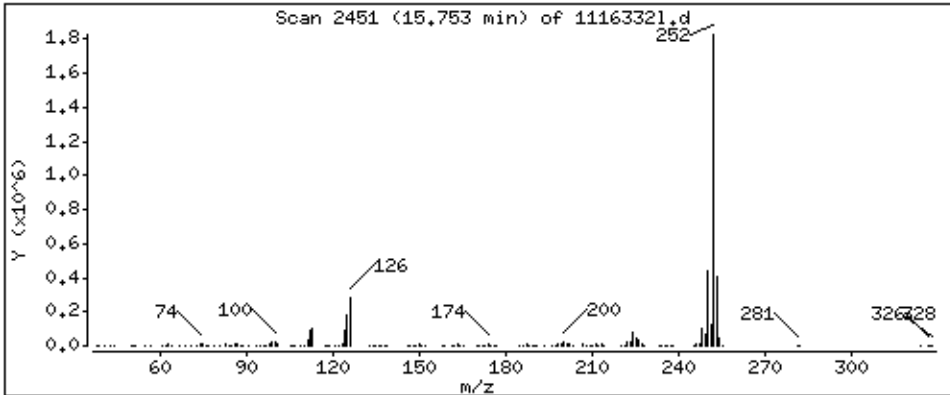
Operator: SN

Column phase: .50um DB-5ms

Column diameter: 0,25

89 Benzo(k)fluoranthene

Concentration: 91,86 ug/L



Date : 24-JUN-2014 16:52

Client ID: MBLCS

Instrument: 50MSS2.i

Sample Info: 1116445

Volume Injected (uL): 1.0

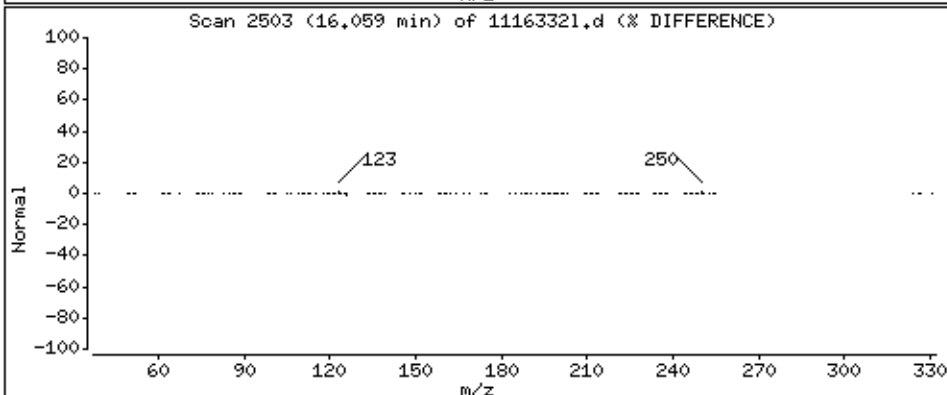
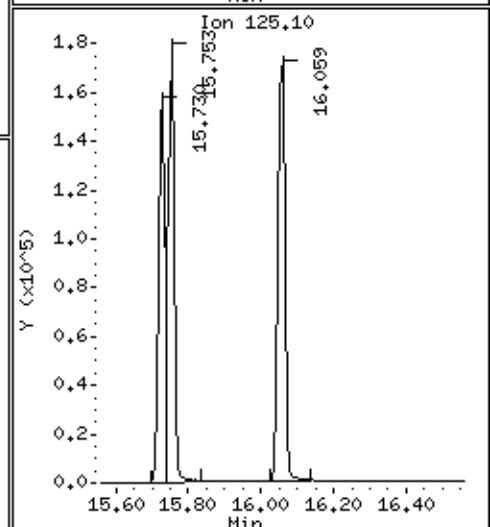
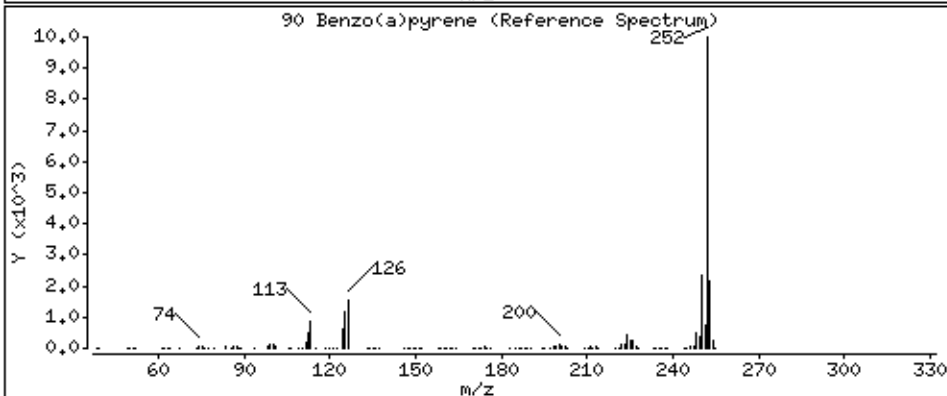
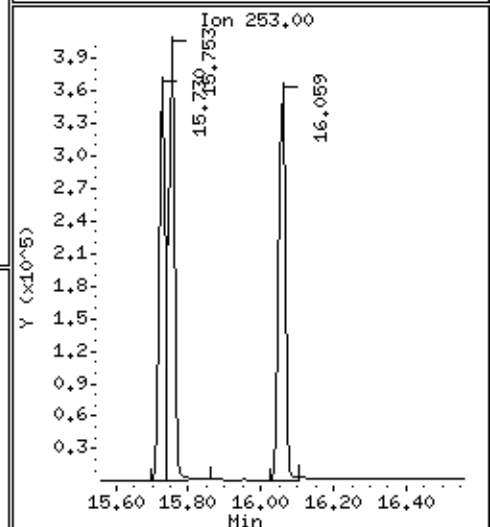
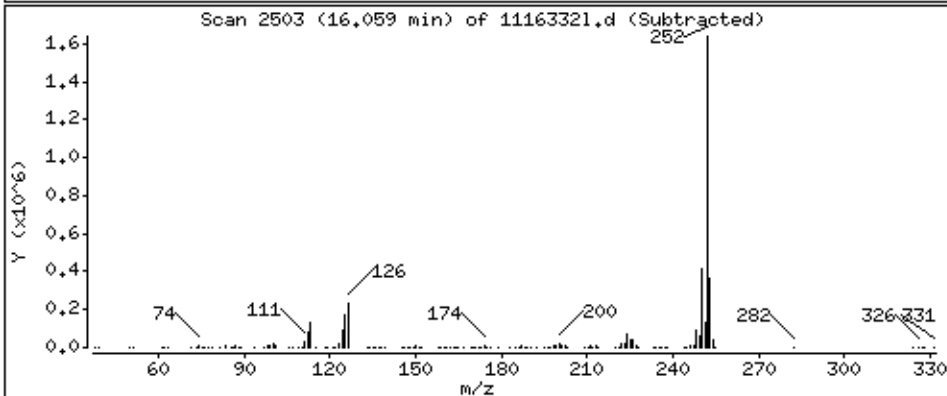
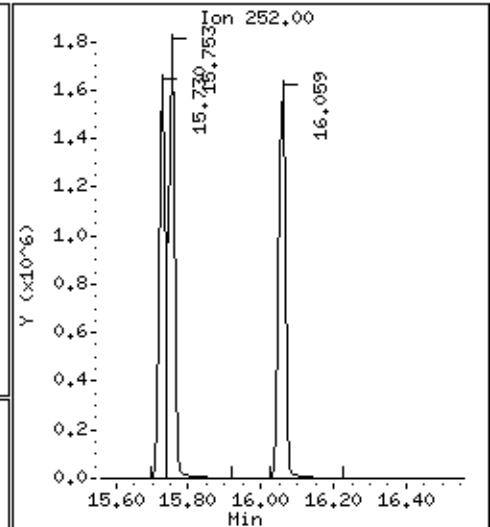
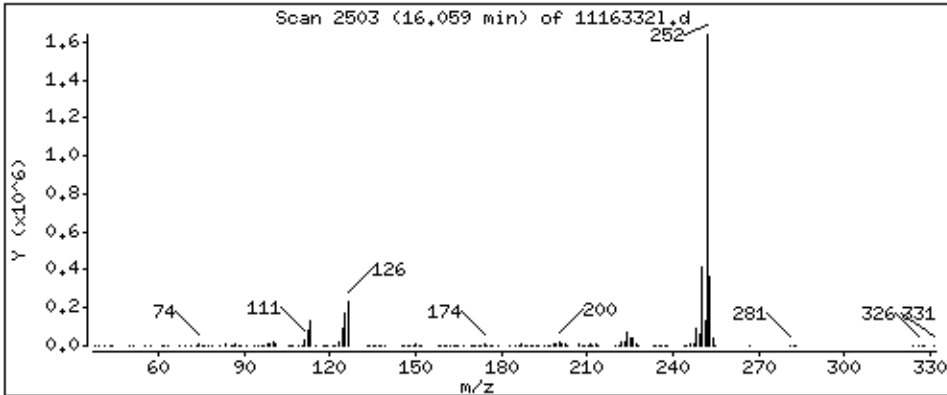
Operator: SN

Column phase: .50um DB-5ms

Column diameter: 0,25

90 Benzo(a)pyrene

Concentration: 93,02 ug/L



Date : 24-JUN-2014 16:52

Client ID: MBLCS

Instrument: 50MSS2.i

Sample Info: 1116445

Volume Injected (uL): 1.0

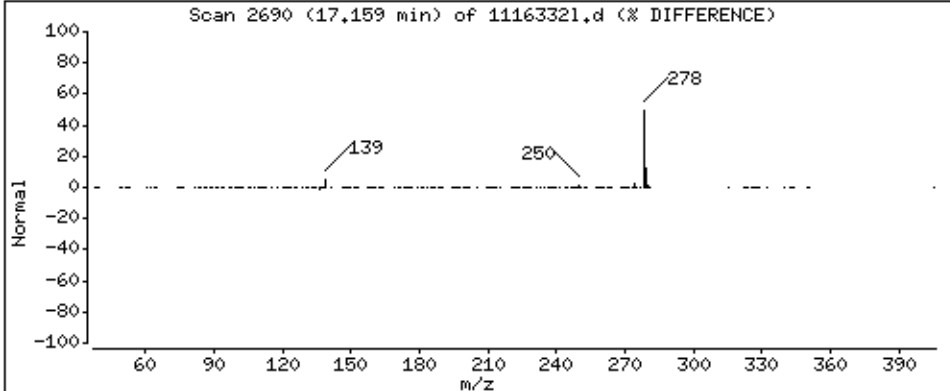
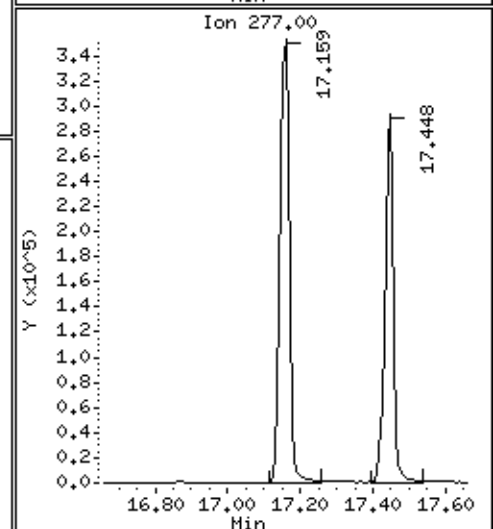
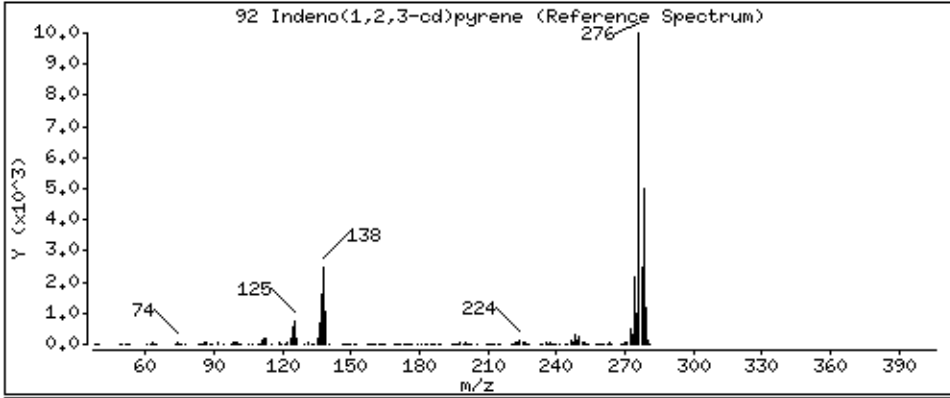
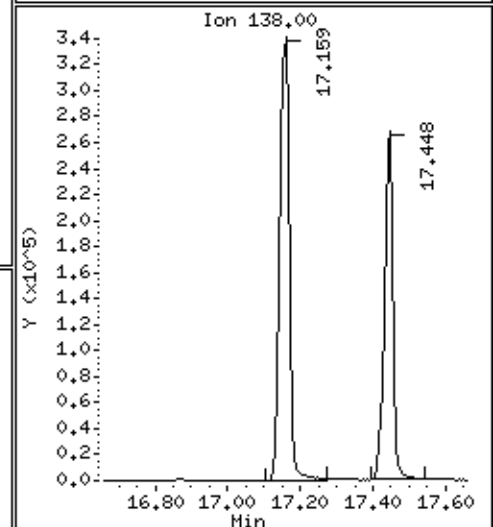
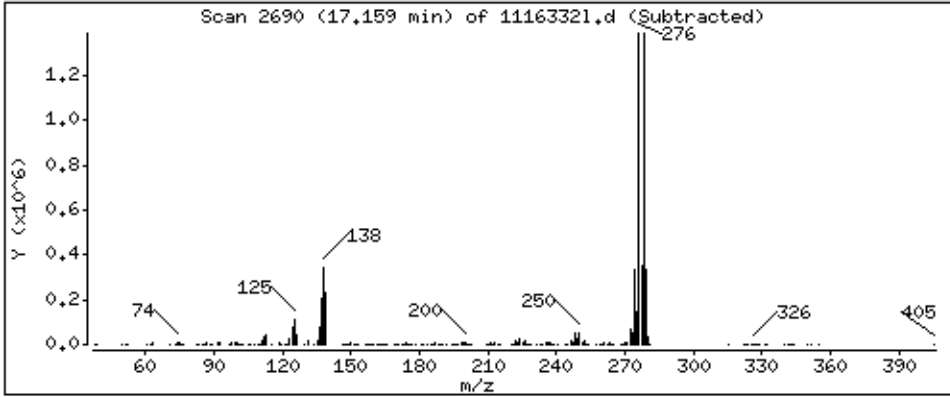
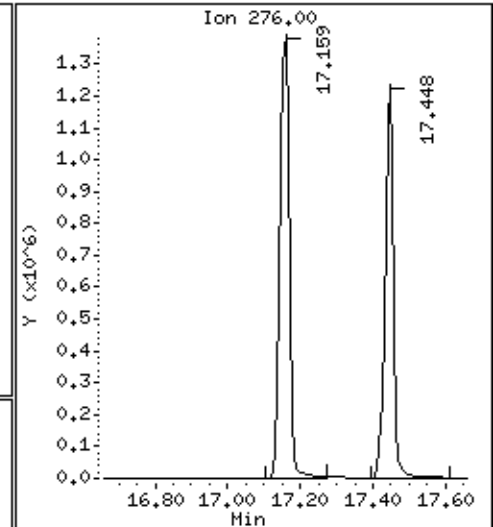
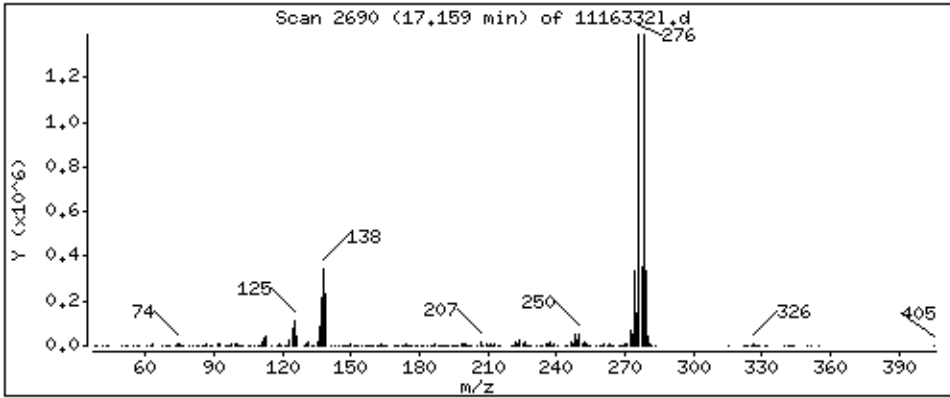
Operator: SN

Column phase: .50um DB-5ms

Column diameter: 0,25

92 Indeno(1,2,3-cd)pyrene

Concentration: 90,11 ug/L



Date : 24-JUN-2014 16:52

Client ID: MBLCS

Instrument: 50MSS2.i

Sample Info: 1116445

Volume Injected (uL): 1.0

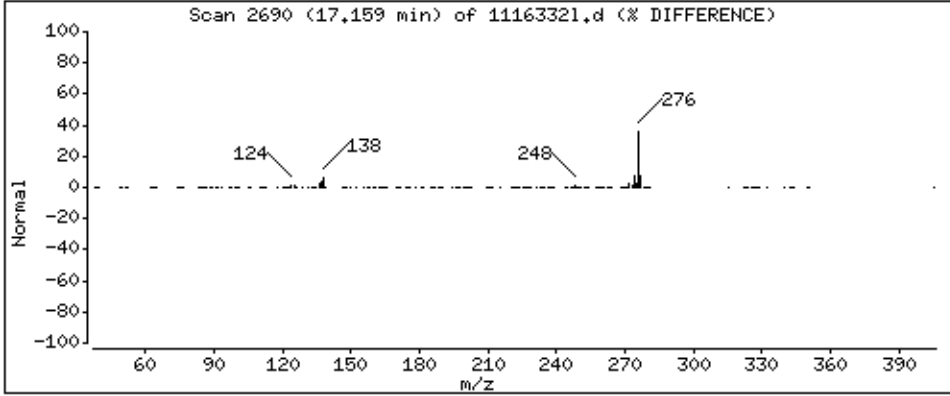
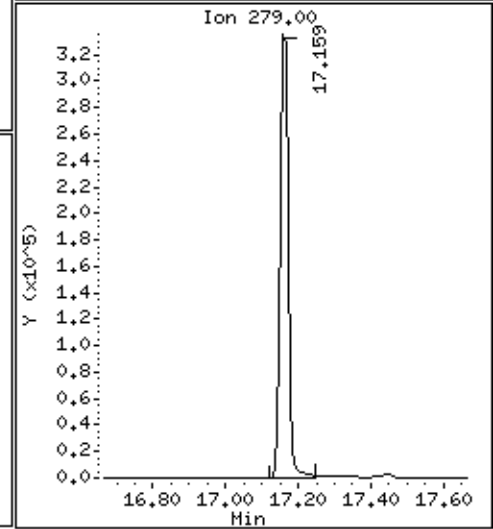
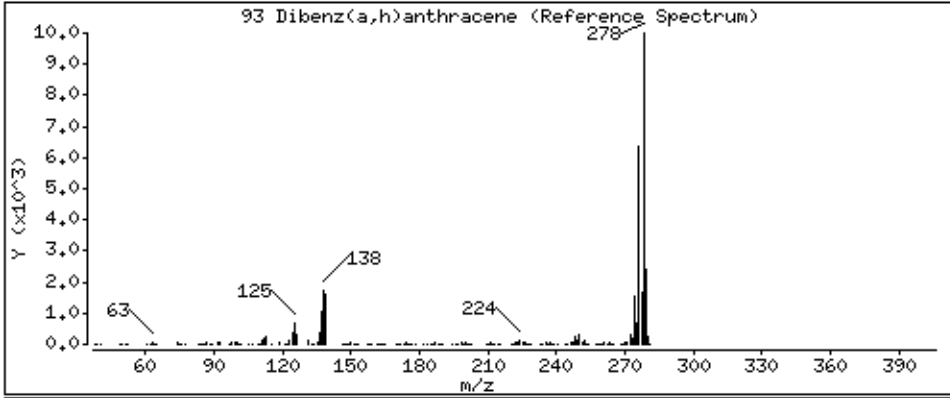
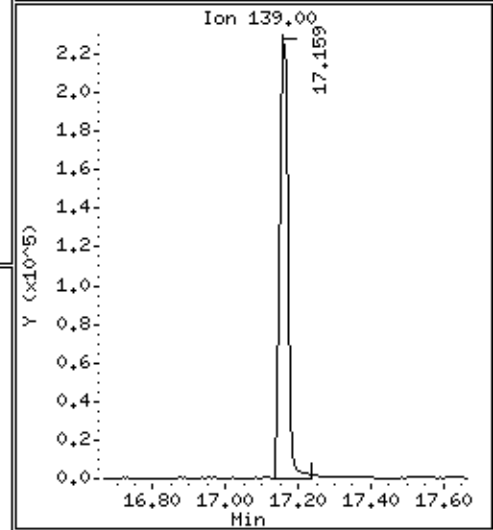
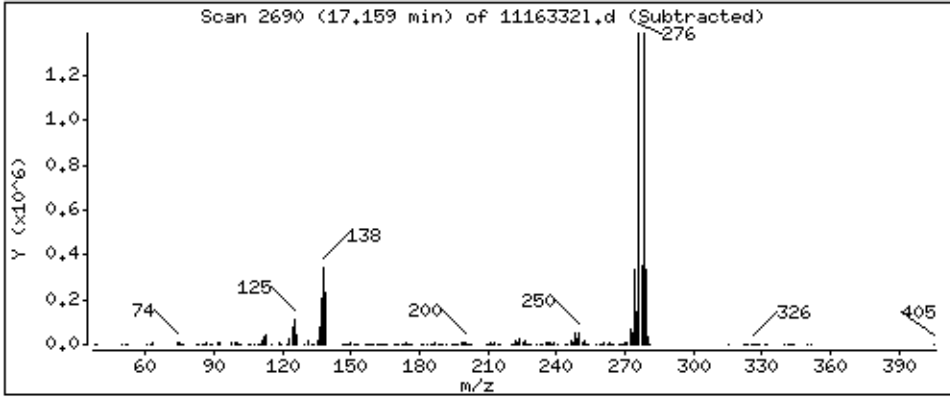
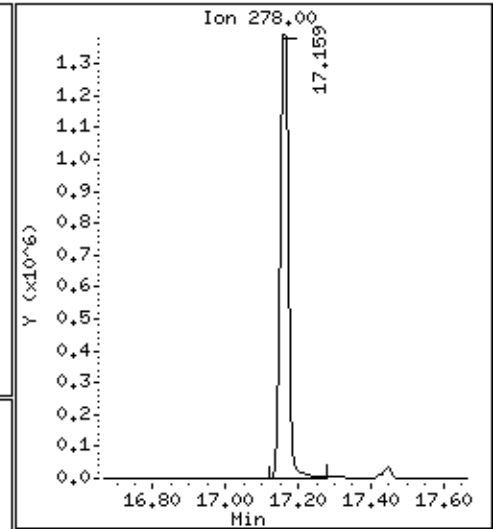
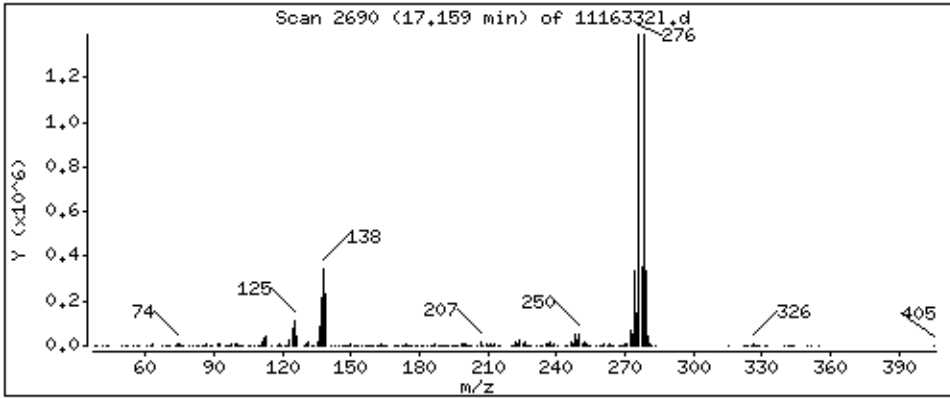
Operator: SN

Column phase: .50um DB-5ms

Column diameter: 0,25

93 Dibenz(a,h)anthracene

Concentration: 94,70 ug/L



Date : 24-JUN-2014 16:52

Client ID: MBLCS

Instrument: 50MSS2.i

Sample Info: 1116445

Volume Injected (uL): 1.0

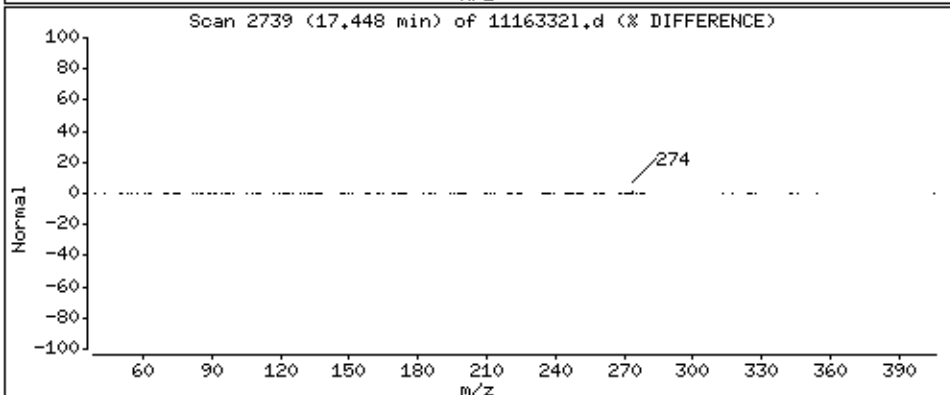
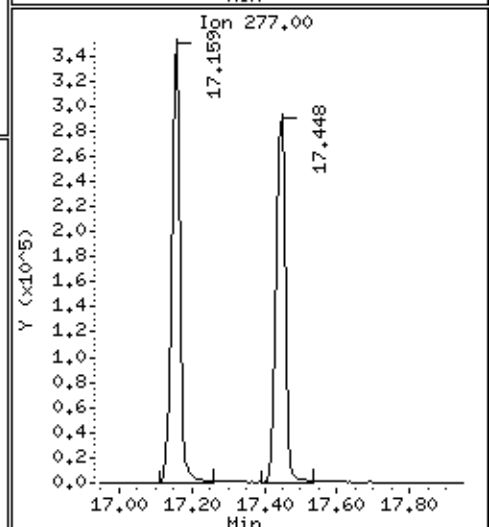
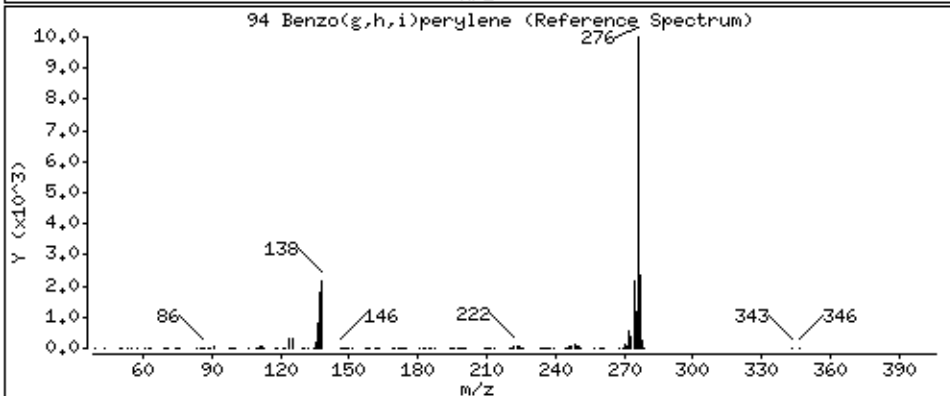
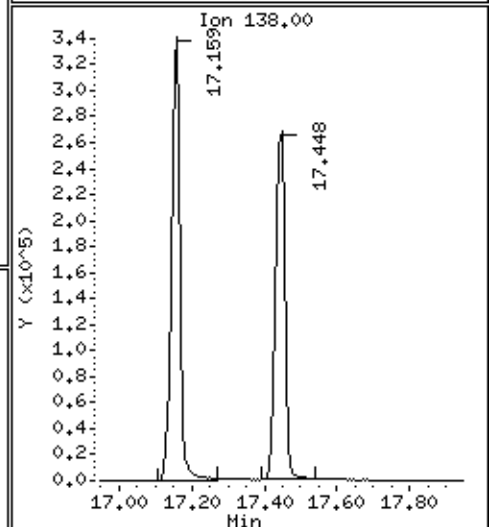
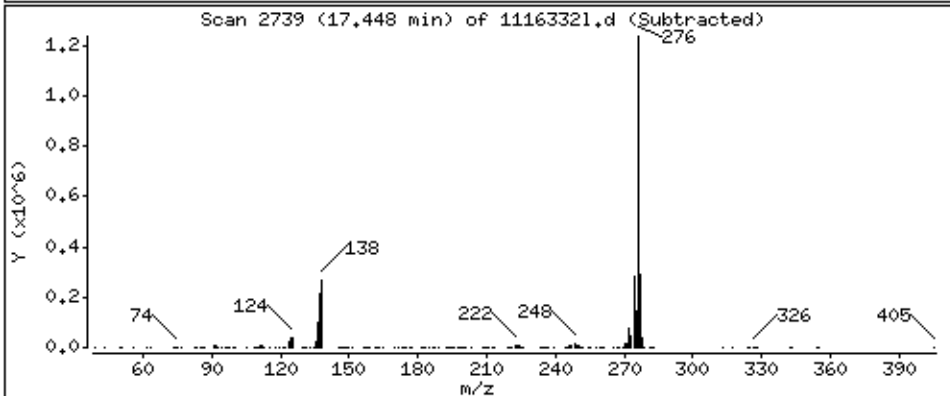
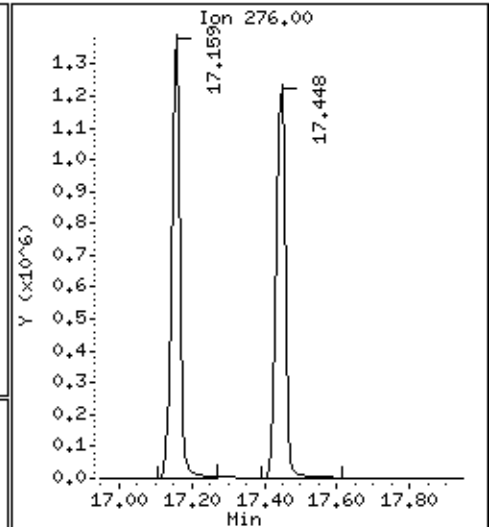
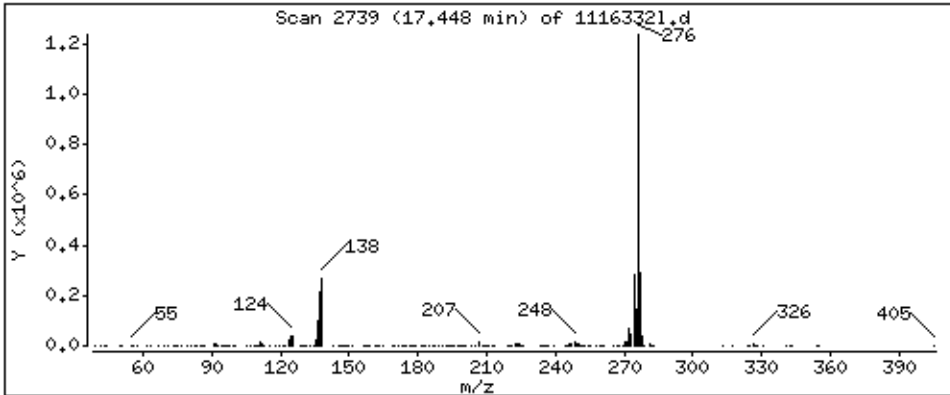
Operator: SN

Column phase: .50um DB-5ms

Column diameter: 0,25

94 Benzo(g,h,i)perylene

Concentration: 92,32 ug/L



MSSV FULL SCAN - FORM I SVOA-1
SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

LCS

Lab Name: Pace Analytical - Indiana
Date Received: _____
Date Extracted: 06/25/2014 12:30
Date Analyzed: 06/27/2014 15:24
Initial wt/vol: 30 g Final wt/vol: 1 mL Dilution: 1

Contract: Sibley-Accucast/2339-356-03-00
Matrix: Solid SDG No.: 5099688
Lab Sample ID: 1117088
Lab File ID: 062714.B\1117088L.D
Instrument: 50MSS3 Percent Moisture: _____

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
83-32-9	Acenaphthene	2470	
208-96-8	Acenaphthylene	2520	
120-12-7	Anthracene	2660	
56-55-3	Benzo(a)anthracene	2520	
50-32-8	Benzo(a)pyrene	3710	
205-99-2	Benzo(b)fluoranthene	3410	
191-24-2	Benzo(g,h,i)perylene	3730	
207-08-9	Benzo(k)fluoranthene	3580	
59-50-7	4-Chloro-3-methylphenol	2400	
95-57-8	2-Chlorophenol	2320	
218-01-9	Chrysene	2640	
53-70-3	Dibenz(a,h)anthracene	3790	
121-14-2	2,4-Dinitrotoluene	2340	
206-44-0	Fluoranthene	2750	
86-73-7	Fluorene	2730	
193-39-5	Indeno(1,2,3-cd)pyrene	3660	
91-57-6	2-Methylnaphthalene	2420	
91-20-3	Naphthalene	2370	
100-02-7	4-Nitrophenol	2130	
621-64-7	N-Nitroso-di-n-propylamine	2400	
87-86-5	Pentachlorophenol	ND	U
85-01-8	Phenanthrene	2540	
108-95-2	Phenol	2410	
129-00-0	Pyrene	2800	

07/21/2014 12:56

Pace Analytical Services, Inc.

Semivolatiles REPORT SW-846 Method 8270/EPA 625

Data file : \\192.168.50.6\chem\50MSS3.i\062714.b\11170881.d
 Lab Smp Id: 1117088 Client Smp ID: MBLCS
 Inj Date : 27-JUN-2014 15:24
 Operator : CEM Inst ID: 50MSS3.i
 Smp Info : 1117088
 Misc Info : 15583
 Comment :
 Method : \\192.168.50.6\chem\50MSS3.i\062714.b\8270c.m
 Meth Date : 30-Jun-2014 13:19 50MSS3.i Quant Type: ISTD
 Cal Date : 10-JUN-2014 12:11 Cal File: 100ppm.d
 Als bottle: 8 QC Sample: LCS
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: most.sub
 Target Version: 4.14
 Processing Host: 50-SVOA-SN

Concentration Formula: Amt * DF * Uf * Vt / (Vi * Ws * (100 - M) / 100) * CpndV

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vt	1000.000	Volume of final extract (uL)
Vi	1.000	Volume Injected (uL)
Ws	30.000	Weight of sample extracted (g)
M	0.00000	% Moisture
Cpnd Variable		Local Compound Variable

Compounds	QUANT	SIG	CONCENTRATIONS				ON-COLUMN	FINAL
			MASS	RT	EXP RT	REL RT	RESPONSE	(ug/ml)
\$ 3 2-Fluorophenol (S)	112		3.386	3.380	(0.731)	219845	70.2106	2340
\$ 7 Phenol-d5 (S)	99		4.410	4.404	(0.952)	274883	70.6048	2353
8 Phenol	94		4.421	4.415	(0.954)	299735	72.2358	2408
9 2-Chlorophenol	128		4.480	4.474	(0.967)	260634	69.5976	2320
* 11 1,4-Dichlorobenzene-d4 (IS)	152		4.633	4.633	(1.000)	109032	40.0000	
12 1,4-Dichlorobenzene	146		4.651	4.657	(1.004)	292731	69.6048	2320
20 N-Nitroso-di-n-propylamine	70		5.192	5.198	(1.121)	160352	72.0428	2401
\$ 23 Nitrobenzene-d5 (S)	82		5.368	5.368	(0.824)	221772	70.8418	2361
30 1,2,4-Trichlorobenzene	180		6.445	6.451	(0.989)	254170	73.7999	2460
* 32 Naphthalene-d8 (IS)	136		6.515	6.515	(1.000)	428953	40.0000	
33 Naphthalene	128		6.551	6.557	(1.005)	771679	71.0662	2369
39 4-Chloro-3-methylphenol	107		8.145	8.139	(1.250)	206173	72.0158	2400
38 2-Methylnaphthalene	142		8.139	8.145	(1.249)	735277	72.5499	2418
40 1-Methylnaphthalene	142		8.362	8.362	(1.283)	487910	65.6522	2188
\$ 44 2-Fluorobiphenyl (S)	172		8.921	8.927	(0.903)	605808	72.3166	2410
51 Acenaphthylene	152		9.668	9.674	(0.979)	877417	75.4977	2516
* 53 Acenaphthene-d10 (IS)	164		9.880	9.886	(1.000)	258328	40.0000	
54 Acenaphthene	153		9.921	9.927	(1.004)	550881	74.2356	2474
59 4-Nitrophenol	109		10.327	10.303	(1.045)	55666	64.0038	2133

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN (ug/ml)	FINAL (ug/Kg)
58 2,4-Dinitrotoluene	165	10.245	10.250	(1.037)	173072	70.1382	2338
61 Fluorene	166	10.556	10.562	(1.068)	672354	81.7863	2726
\$ 67 2,4,6-Tribromophenol (S)	330	10.892	10.886	(0.939)	111146	72.8119	2427
71 Pentachlorophenol	266	11.521	11.503	(0.993)	69595	37.0610	1235
* 72 Phenanthrene-d10 (IS)	188	11.597	11.597	(1.000)	485759	40.0000	
73 Phenanthrene	178	11.621	11.627	(1.002)	1019416	76.2895	2543
74 Anthracene	178	11.668	11.674	(1.006)	1070435	79.7758	2659
77 Fluoranthene	202	12.856	12.856	(1.109)	1219710	82.4957	2750
79 Pyrene	202	13.080	13.080	(1.128)	1286059	83.8961	2796
\$ 80 p-Terphenyl-d14 (S)	244	13.250	13.256	(1.143)	986066	97.4172	3247
82 Benzo(a)anthracene	228	14.344	14.350	(0.999)	1374774	75.5317	2518
* 84 Chrysene-d12 (IS)	240	14.362	14.368	(1.000)	678838	40.0000	
85 Chrysene	228	14.397	14.403	(1.002)	1374230	79.1610	2639
88 Benzo(b)fluoranthene	252	15.585	15.591	(0.976)	1540610	102.441	3415 (R)
89 Benzo(k)fluoranthene	252	15.609	15.621	(0.978)	1765686	107.521	3584 (R)
90 Benzo(a)pyrene	252	15.915	15.921	(0.997)	1539460	111.264	3709 (R)
* 91 Perylene-d12 (IS)	264	15.968	15.974	(1.000)	500041	40.0000	
92 Indeno(1,2,3-cd)pyrene	276	16.962	16.973	(1.062)	1878816	109.886	3663 (R)
93 Dibenz(a,h)anthracene	278	16.974	16.979	(1.063)	1586427	113.646	3788 (R)
94 Benzo(g,h,i)perylene	276	17.232	17.244	(1.079)	1655478	111.817	3727 (R)

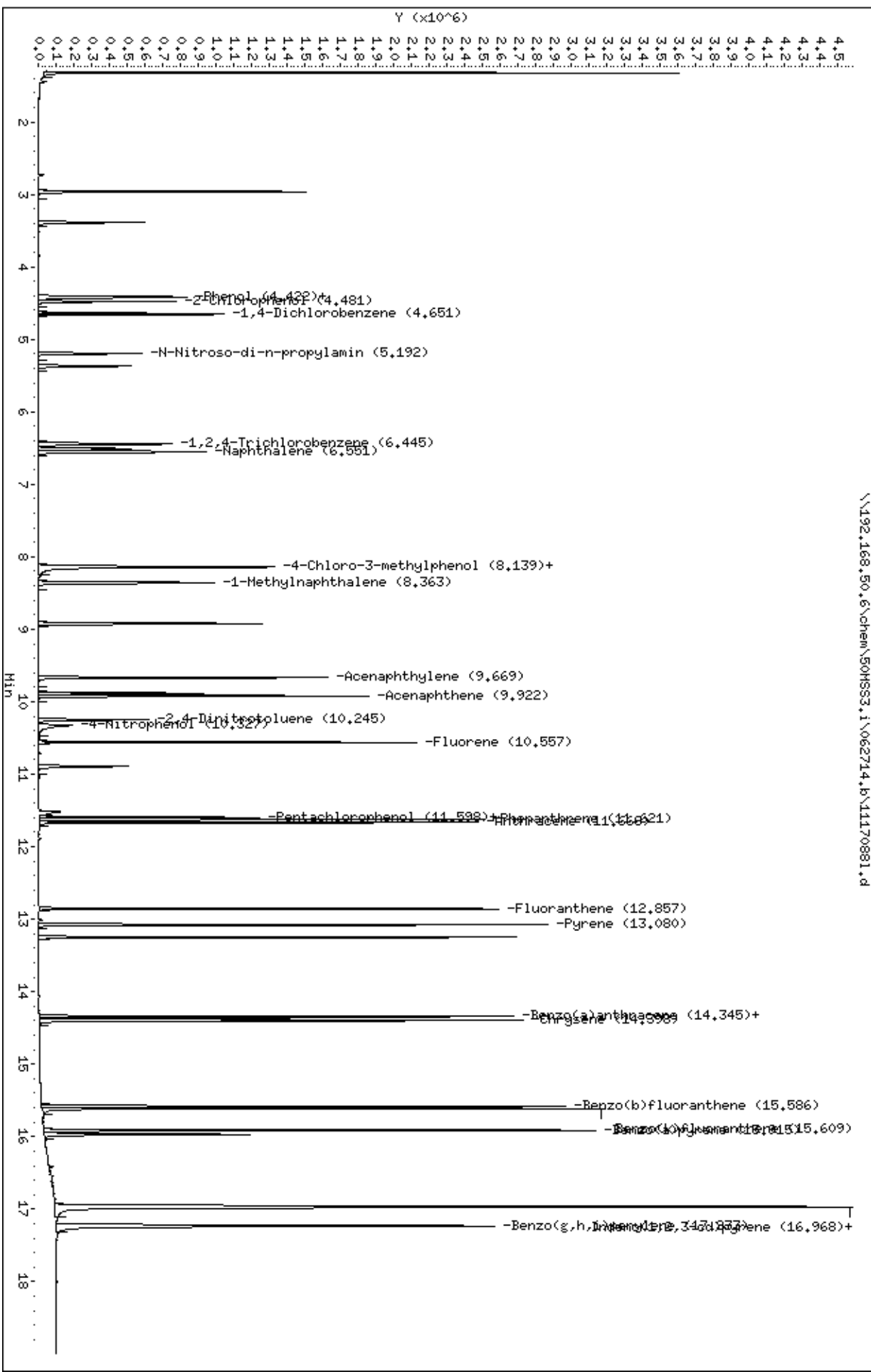
QC Flag Legend

R - Spike/Surrogate failed recovery limits.

Data File: \\192.168.50.6\chem\50HSS3.1\062714.b\11170881.d
 Date: 27-JUN-2014 15:24
 Client ID: HBLCS
 Sample Info: 1117088
 Volume Injected (uL): 1.0
 Column phase: 50um DB-5ms

Instrument: 50HSS3.1
 Operator: CEH
 Column diameter: 0.25

\\192.168.50.6\chem\50HSS3.1\062714.b\11170881.d



Date : 27-JUN-2014 15:24

Client ID: MBLCS

Instrument: 50MSS3.i

Sample Info: 1117088

Volume Injected (uL): 1.0

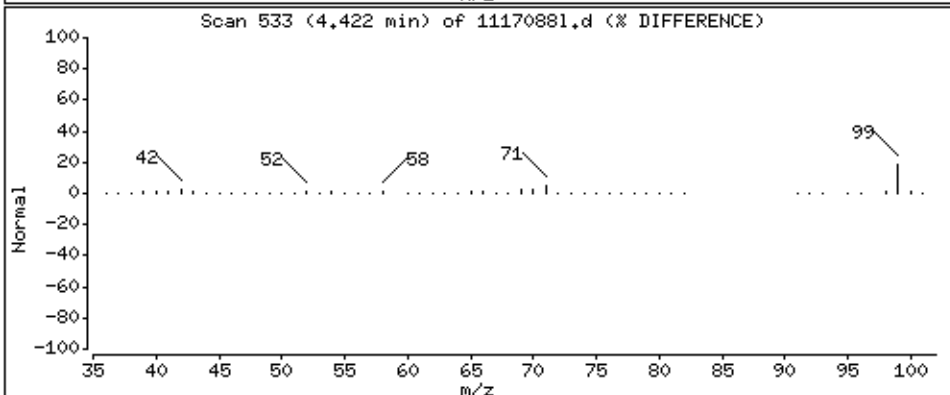
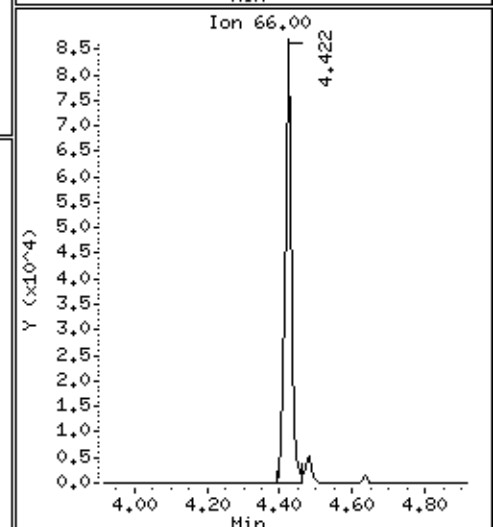
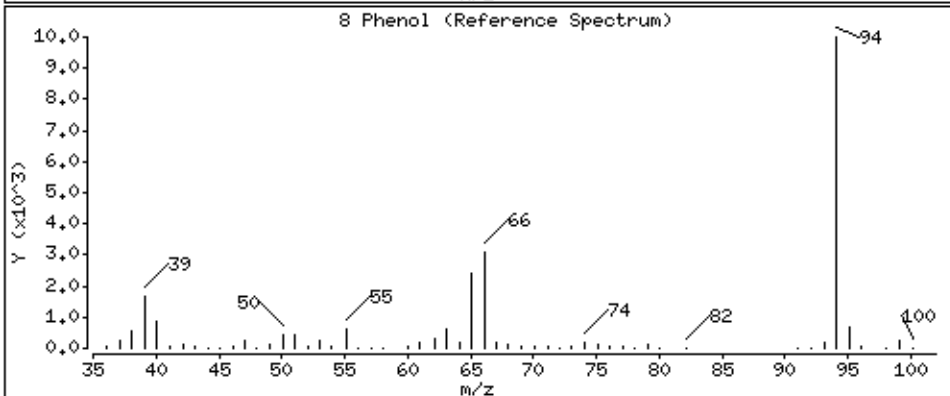
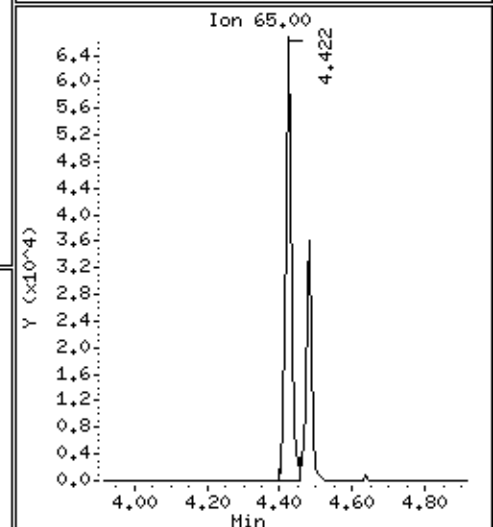
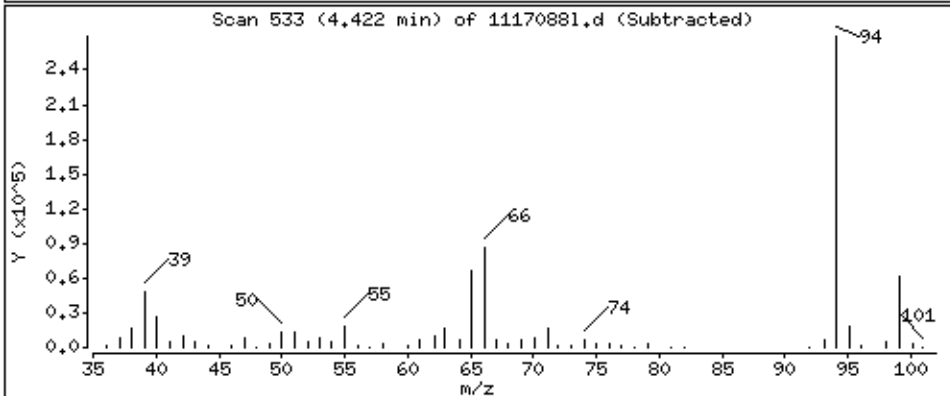
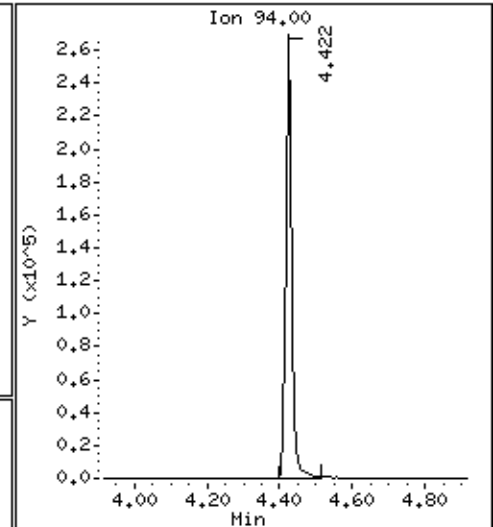
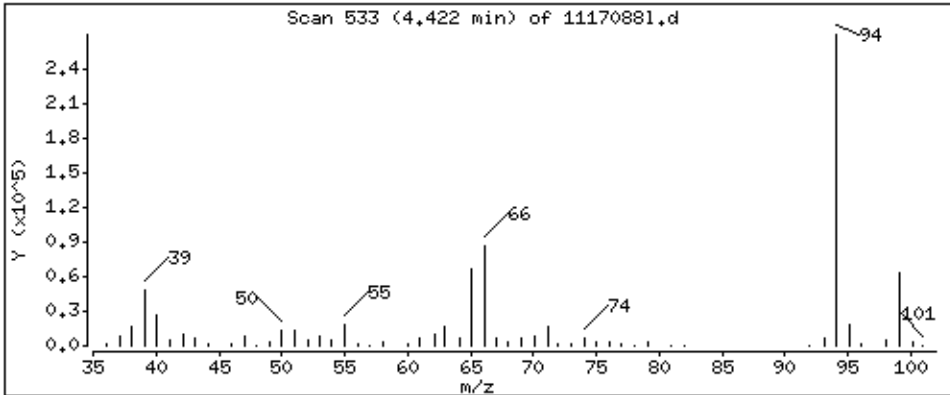
Operator: CEM

Column phase: .50um DB-5ms

Column diameter: 0,25

8 Phenol

Concentration: 2408 ug/Kg



Date : 27-JUN-2014 15:24

Client ID: MBLCS

Instrument: 50MSS3.i

Sample Info: 1117088

Volume Injected (uL): 1.0

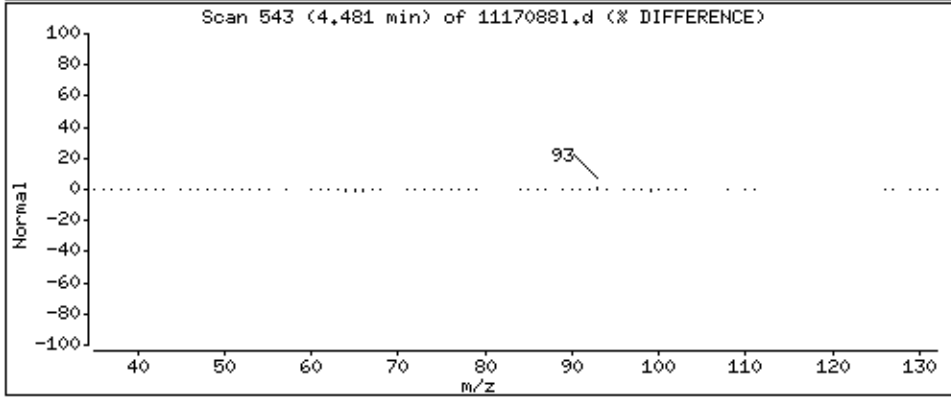
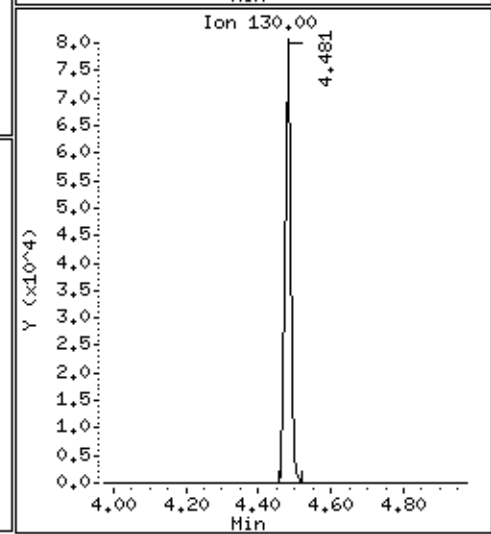
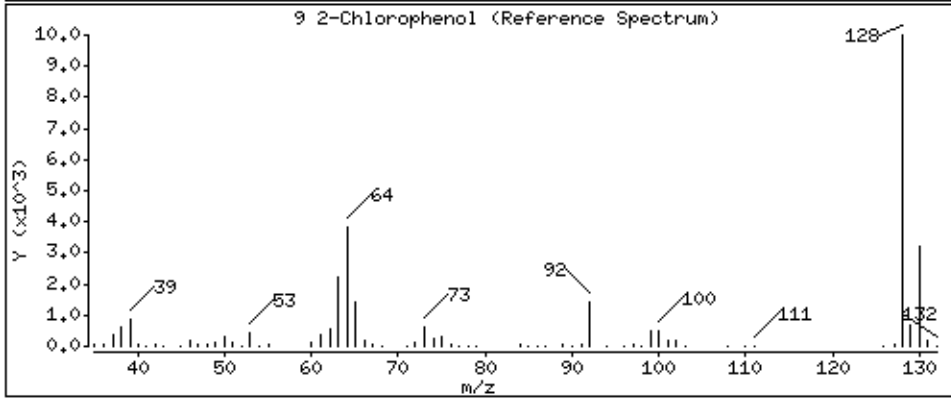
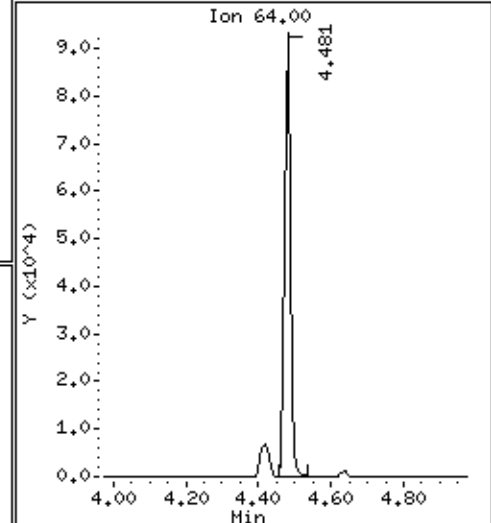
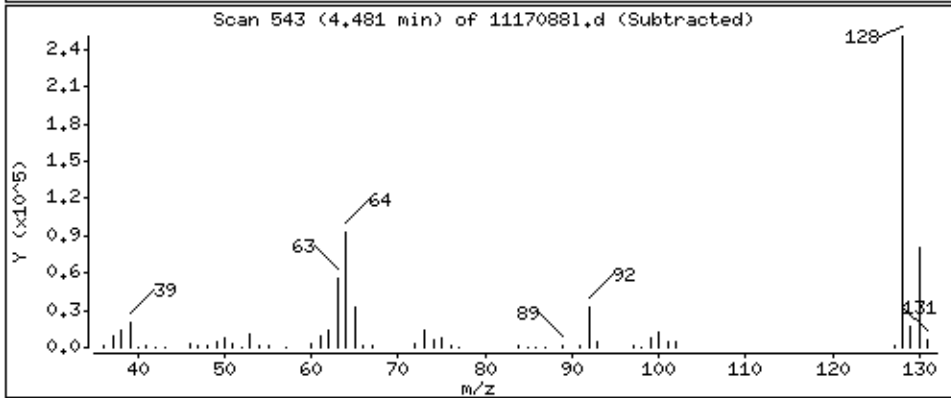
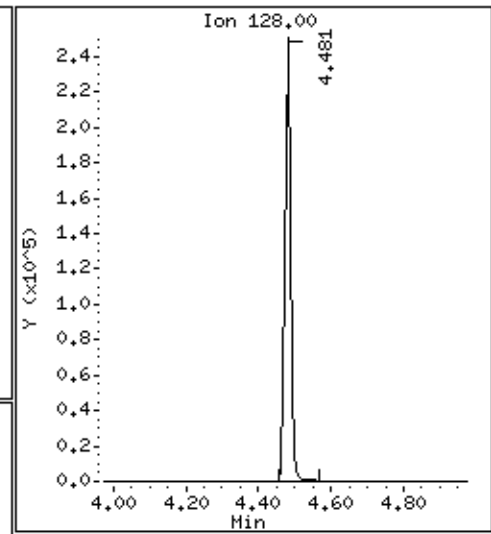
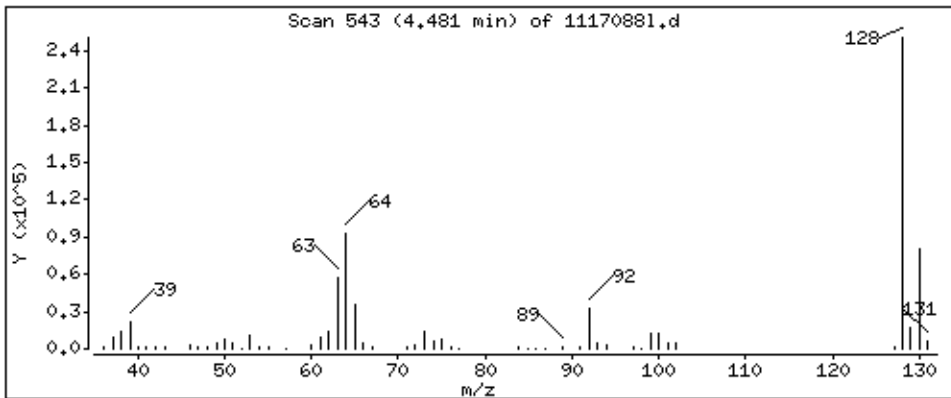
Operator: CEM

Column phase: .50um DB-5ms

Column diameter: 0,25

9 2-Chlorophenol

Concentration: 2320 ug/Kg



Date : 27-JUN-2014 15:24

Client ID: MBLCS

Instrument: 50MSS3.i

Sample Info: 1117088

Volume Injected (uL): 1.0

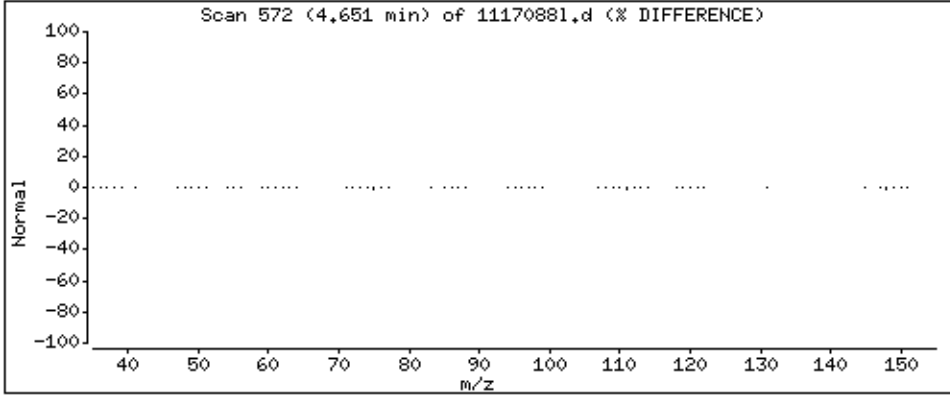
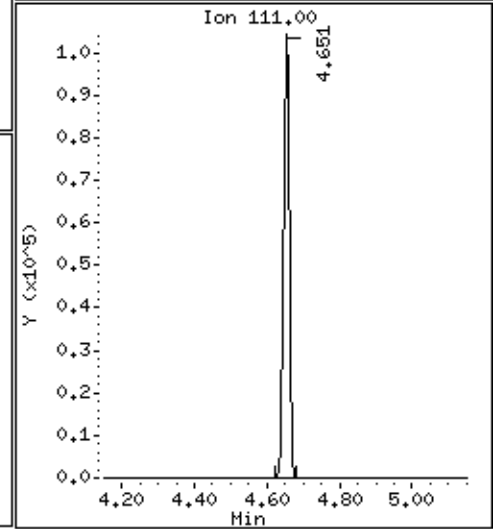
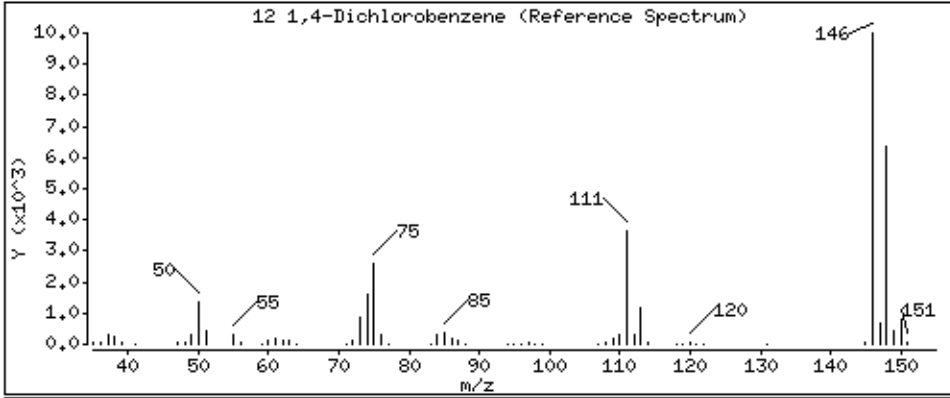
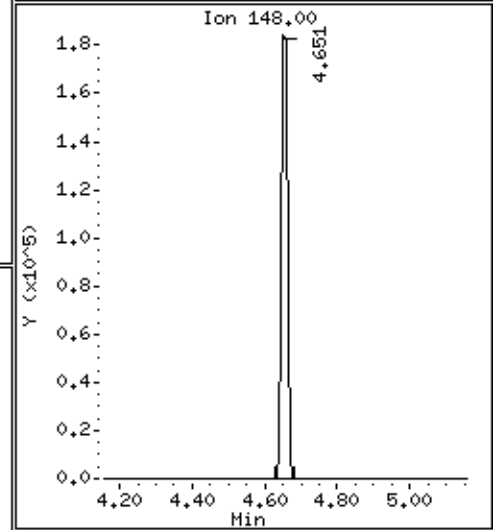
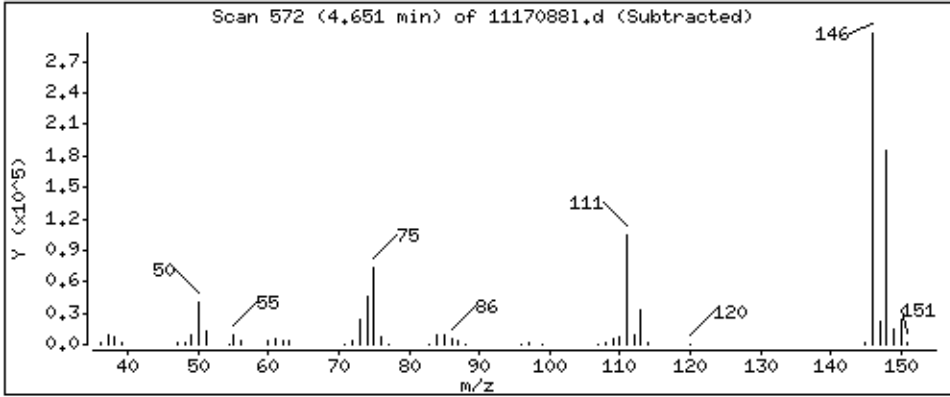
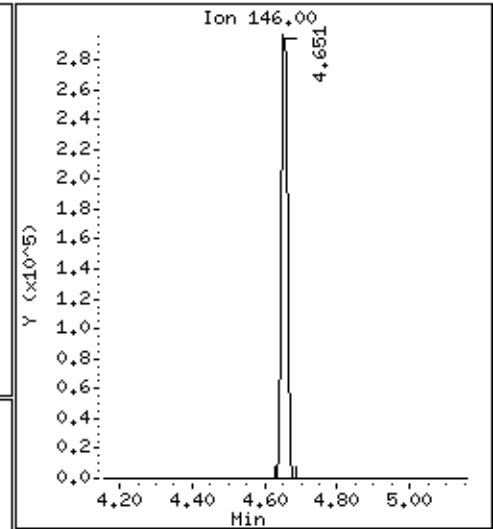
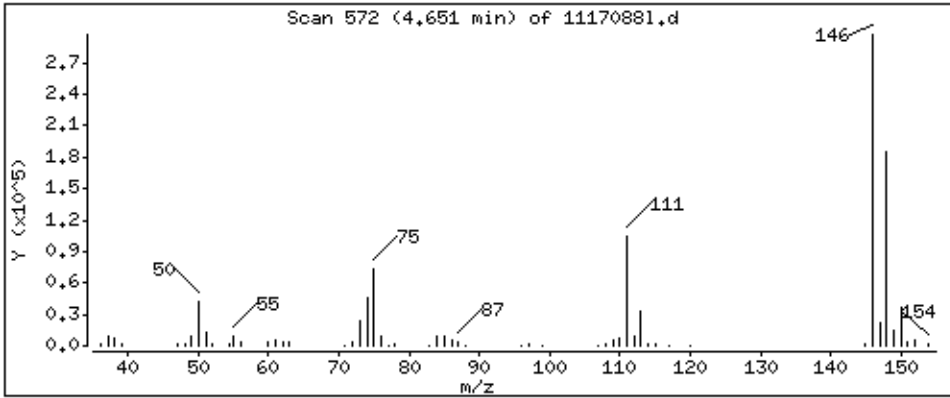
Operator: CEM

Column phase: .50um DB-5ms

Column diameter: 0,25

12 1,4-Dichlorobenzene

Concentration: 2320 ug/Kg



Date : 27-JUN-2014 15:24

Client ID: MBLCS

Instrument: 50MSS3.i

Sample Info: 1117088

Volume Injected (uL): 1.0

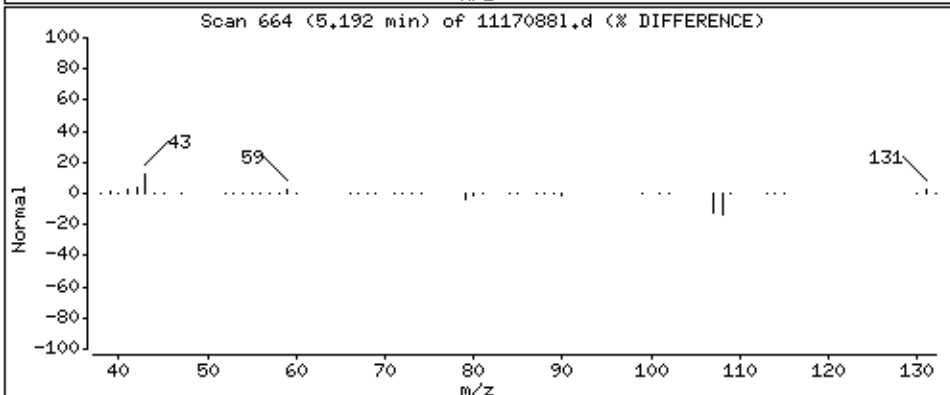
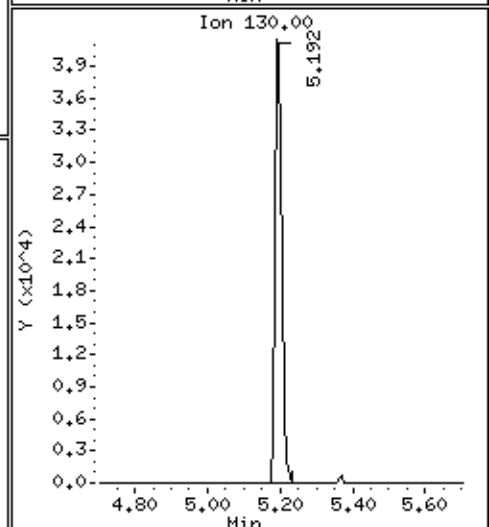
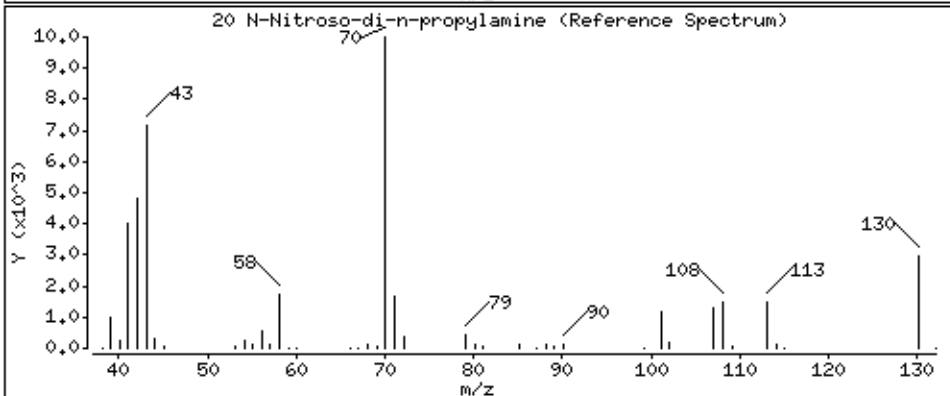
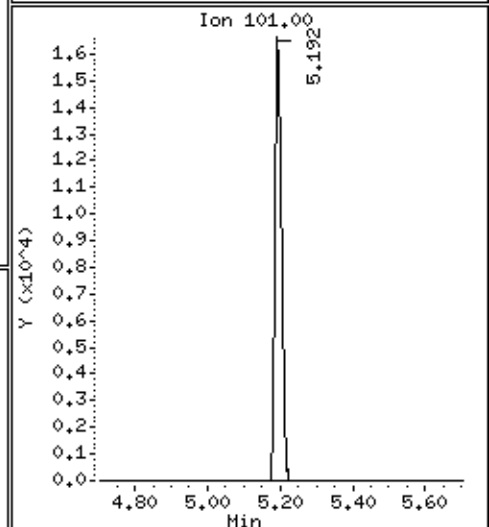
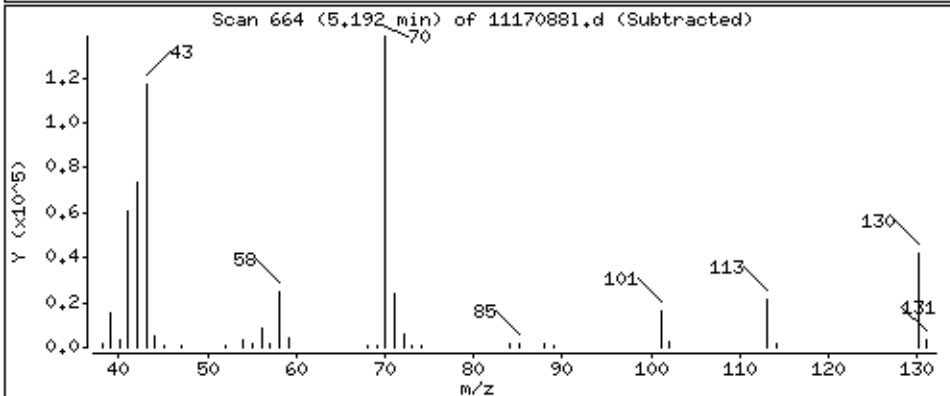
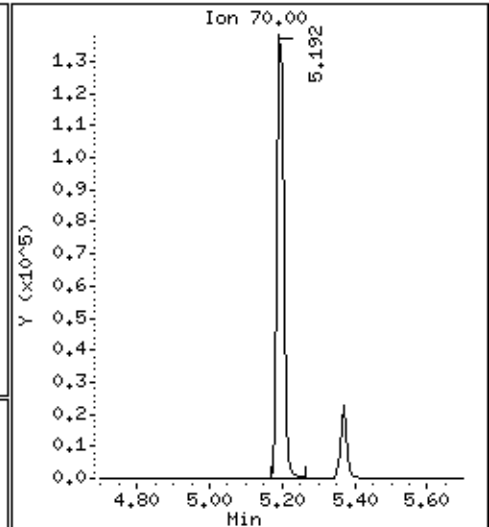
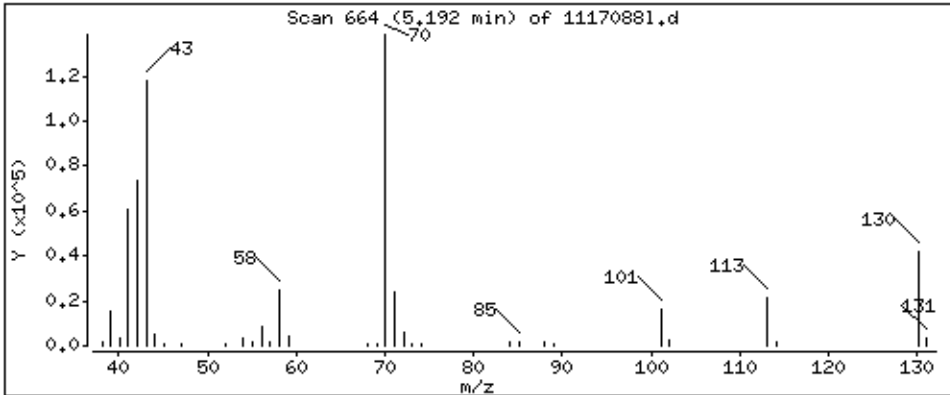
Operator: CEM

Column phase: .50um DB-5ms

Column diameter: 0,25

20 N-Nitroso-di-n-propylamine

Concentration: 2401 ug/Kg



Date : 27-JUN-2014 15:24

Client ID: MBLCS

Instrument: 50MSS3.i

Sample Info: 1117088

Volume Injected (uL): 1.0

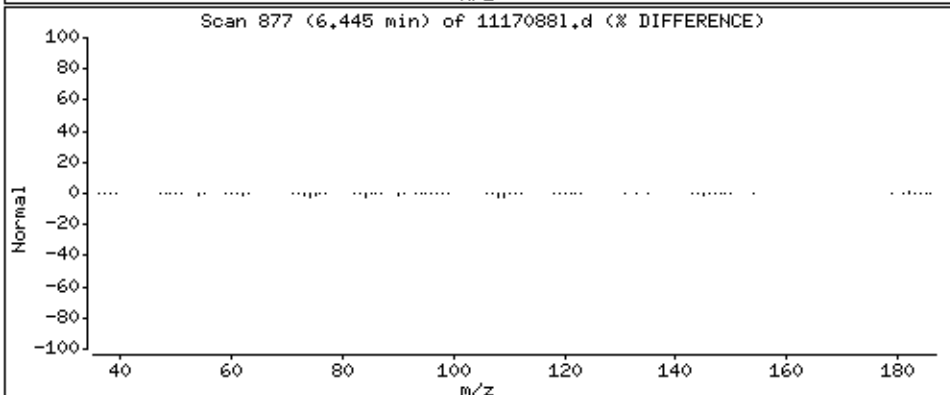
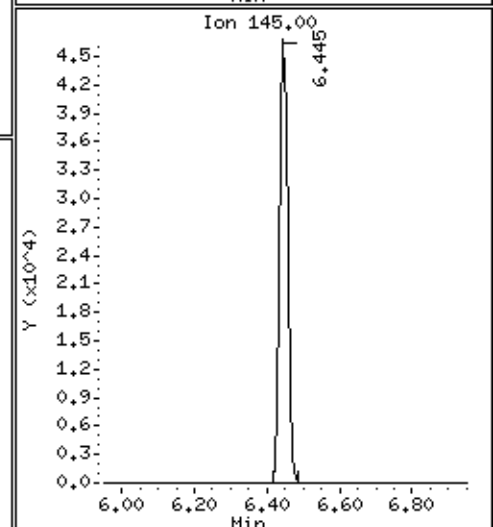
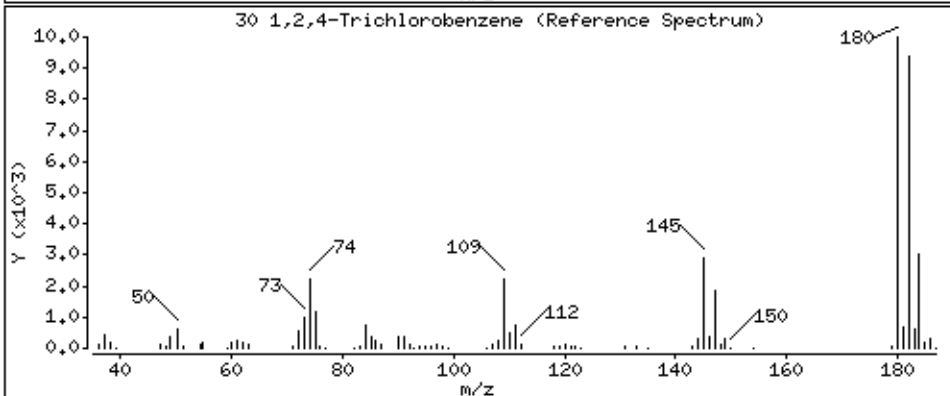
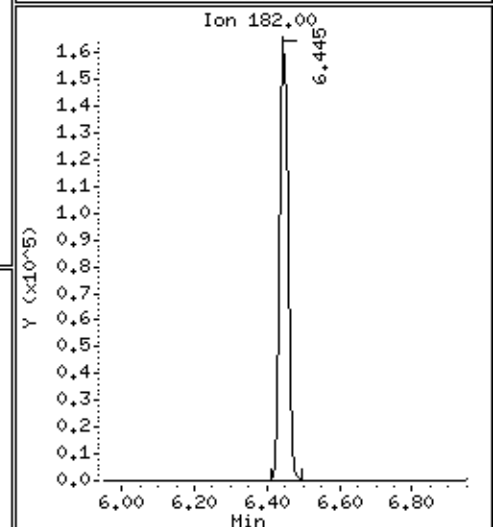
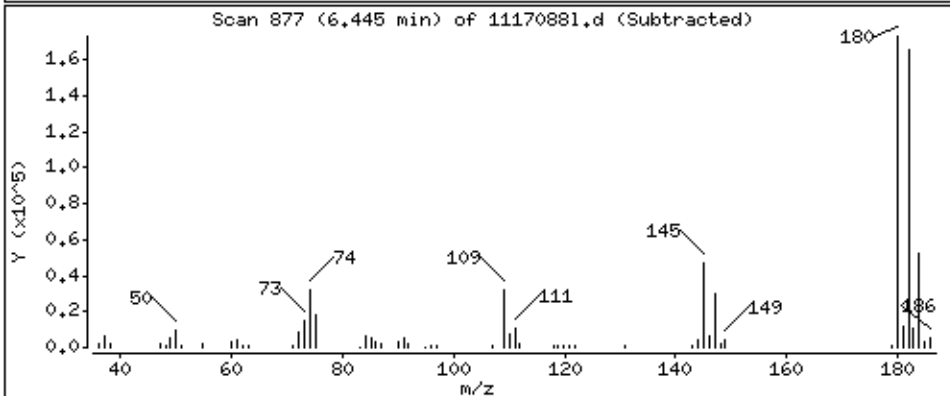
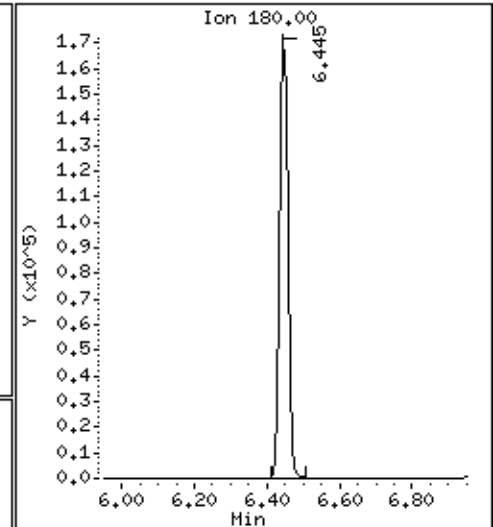
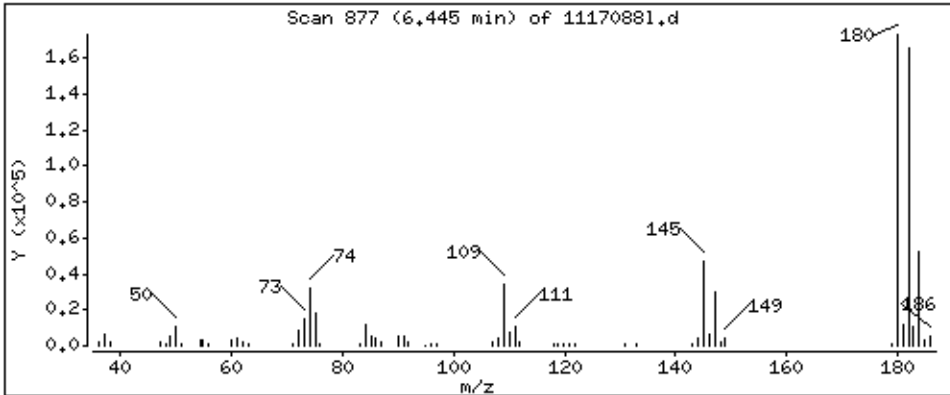
Operator: CEM

Column phase: .50um DB-5ms

Column diameter: 0,25

30 1,2,4-Trichlorobenzene

Concentration: 2460 ug/Kg



Date : 27-JUN-2014 15:24

Client ID: MBLCS

Instrument: 50MSS3.i

Sample Info: 1117088

Volume Injected (uL): 1.0

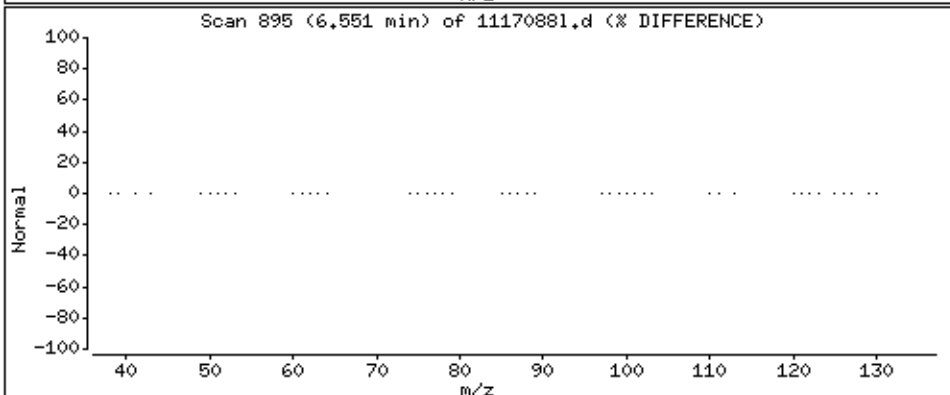
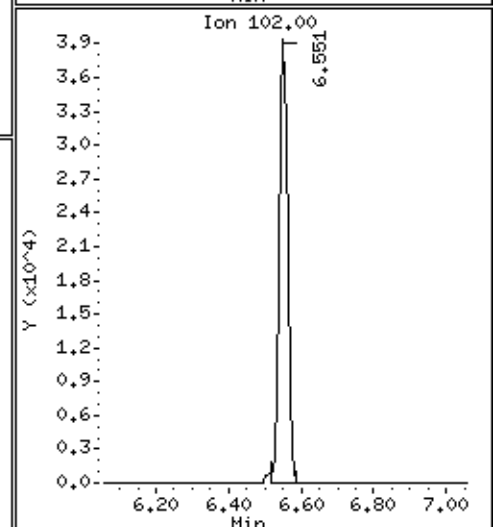
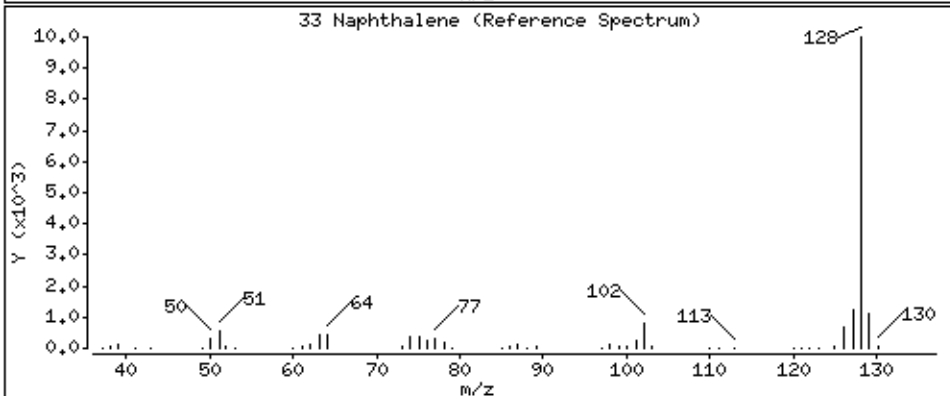
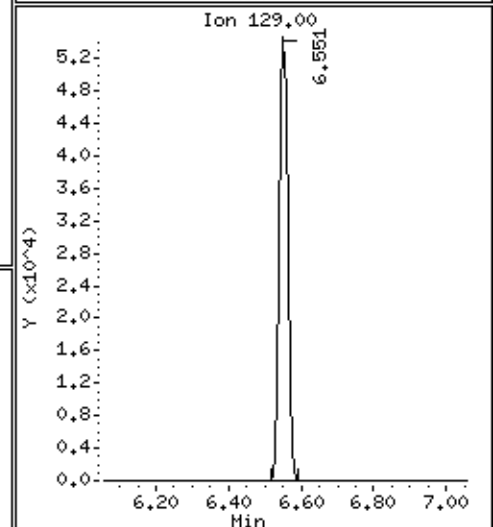
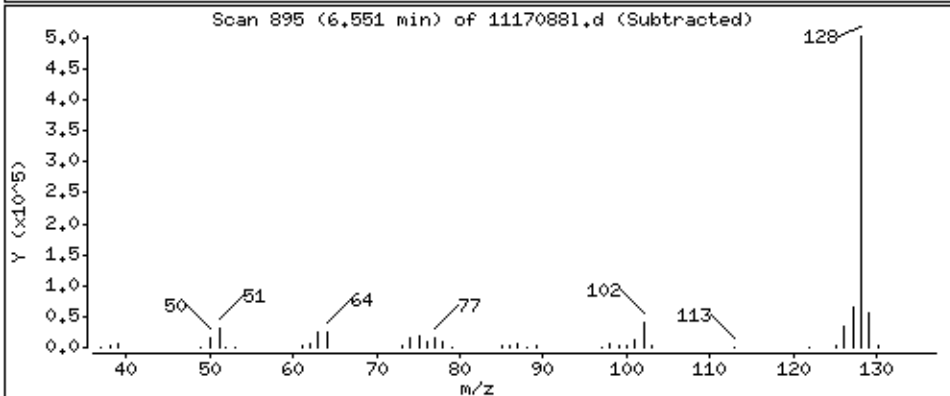
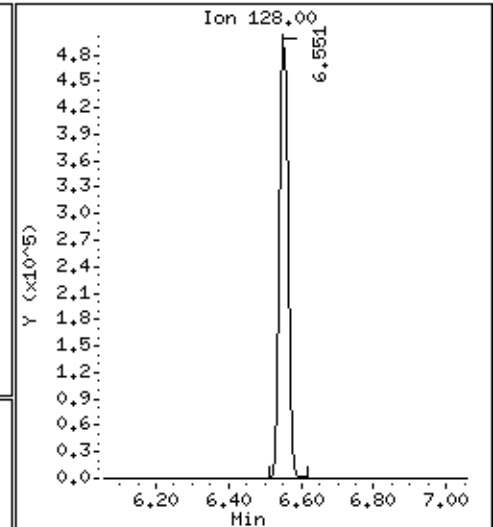
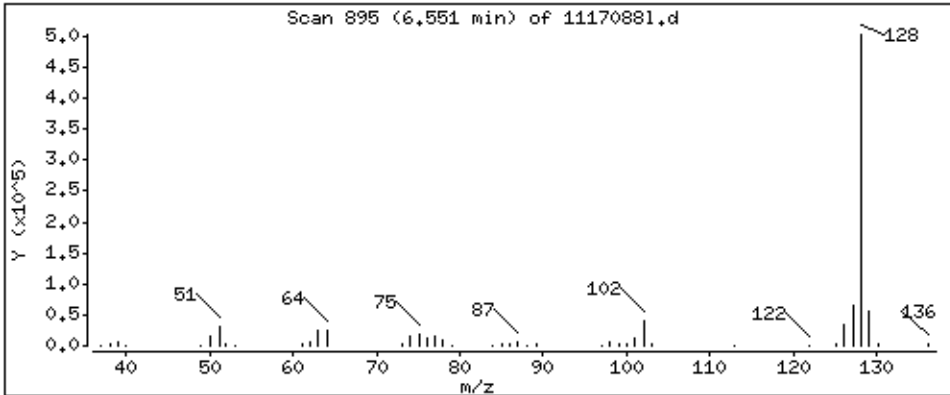
Operator: CEM

Column phase: .50um DB-5ms

Column diameter: 0,25

33 Naphthalene

Concentration: 2369 ug/Kg



Date : 27-JUN-2014 15:24

Client ID: MBLCS

Instrument: 50MSS3.i

Sample Info: 1117088

Volume Injected (uL): 1.0

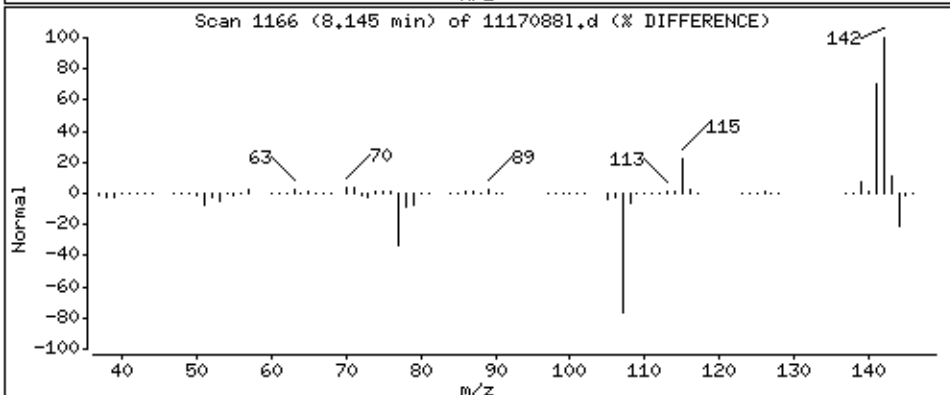
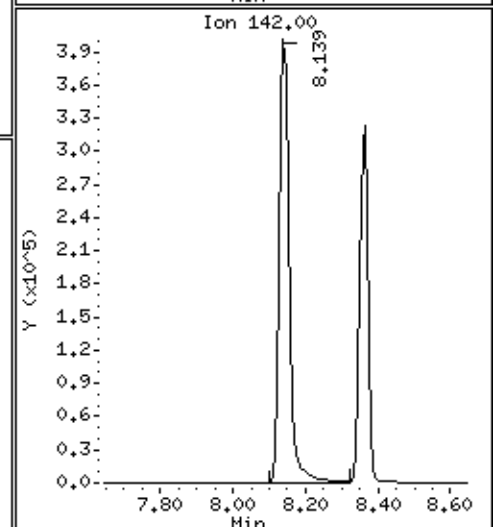
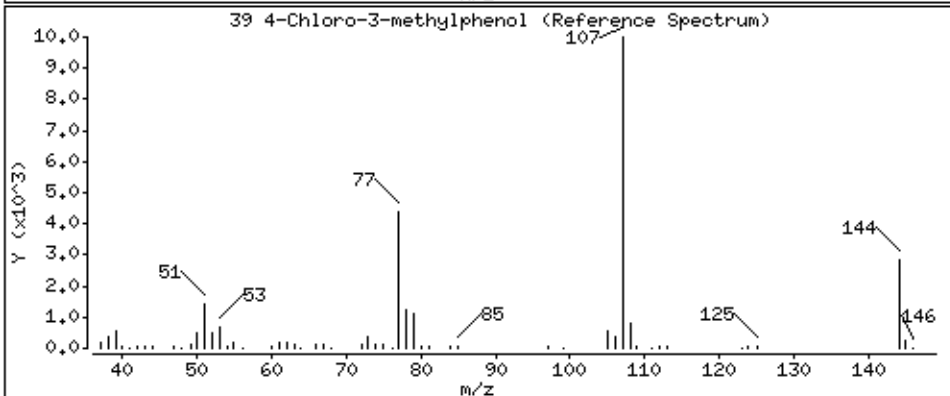
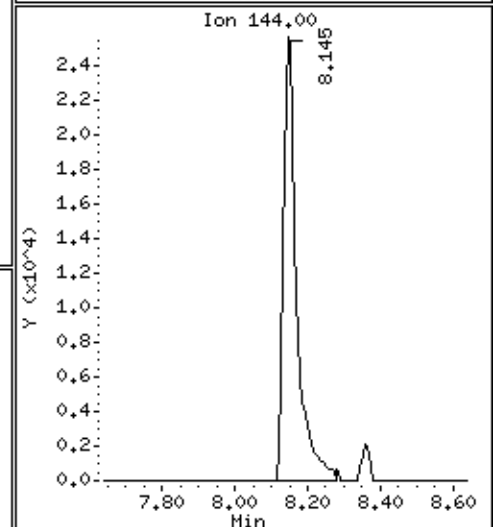
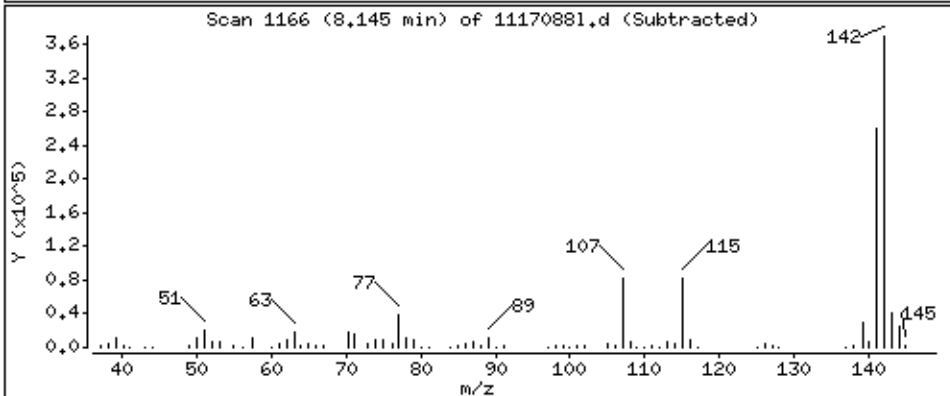
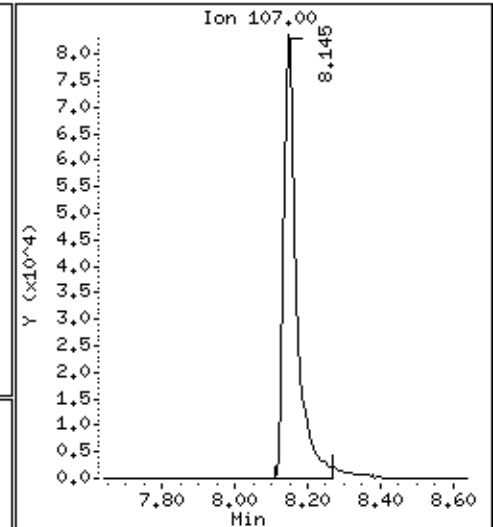
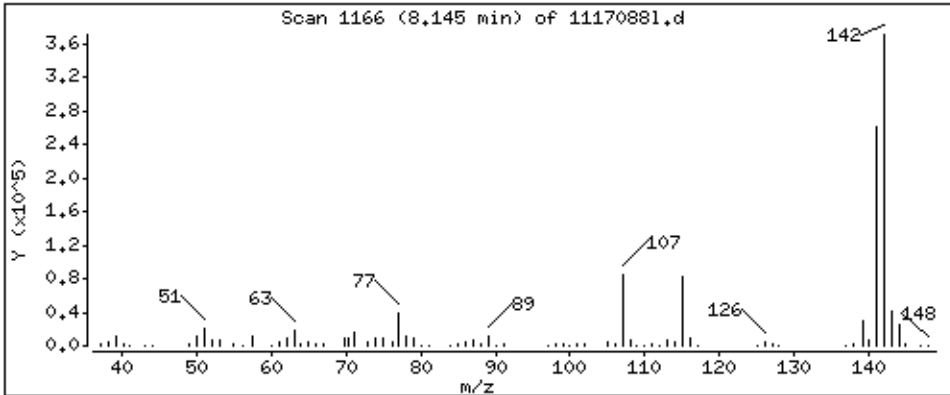
Operator: CEM

Column phase: .50um DB-5ms

Column diameter: 0,25

39 4-Chloro-3-methylphenol

Concentration: 2400 ug/Kg



Date : 27-JUN-2014 15:24

Client ID: MBLCS

Instrument: 50MSS3.i

Sample Info: 1117088

Volume Injected (uL): 1.0

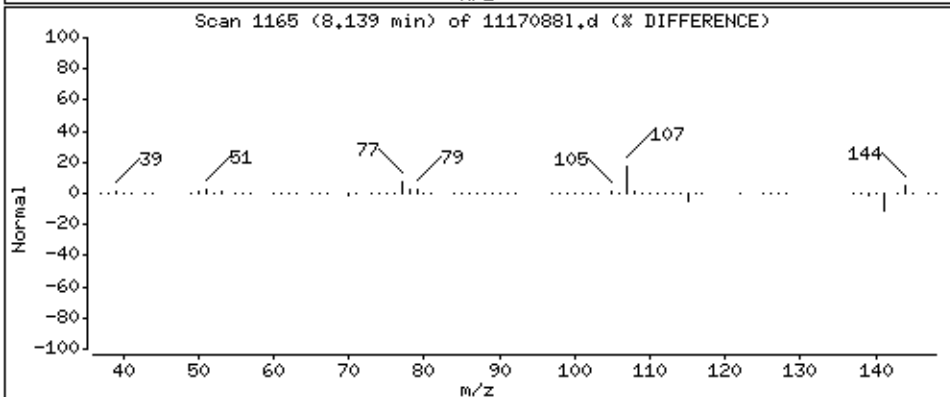
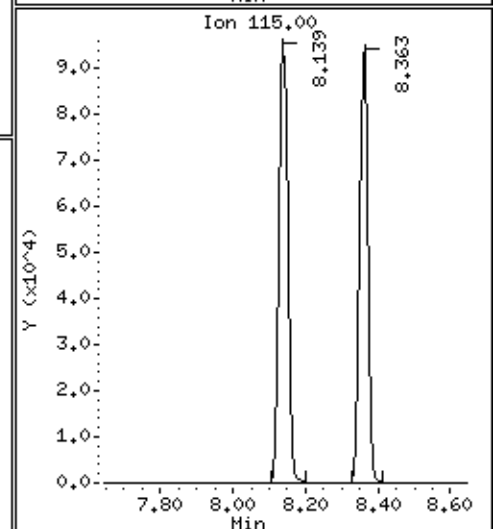
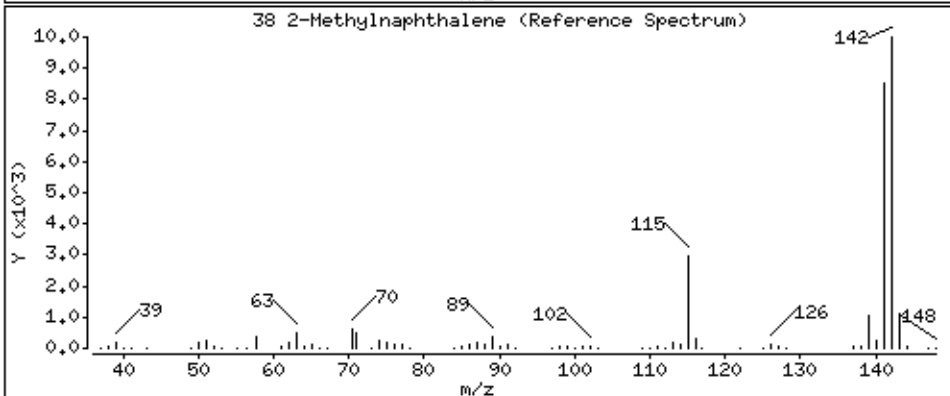
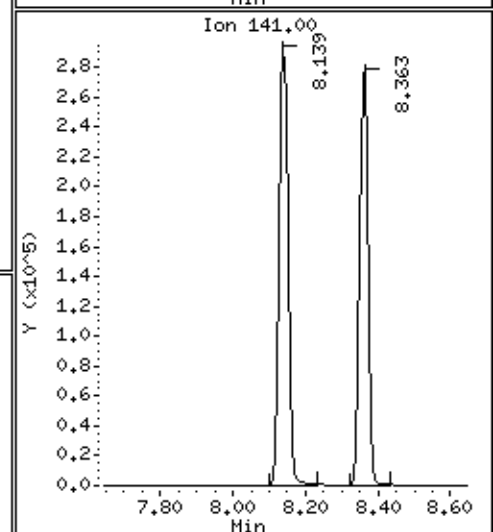
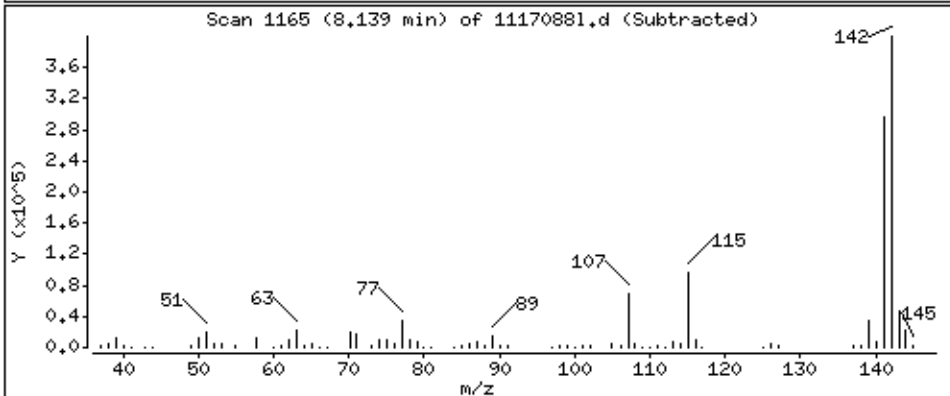
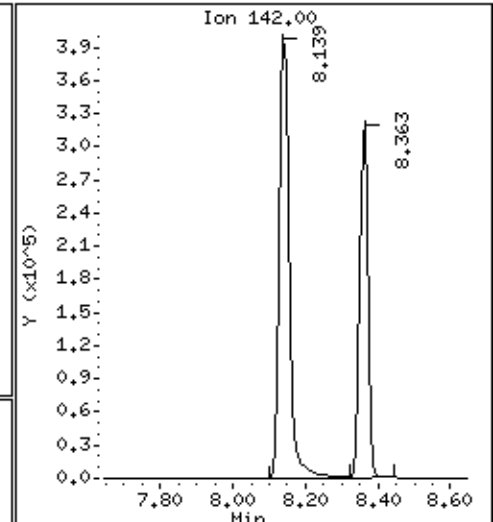
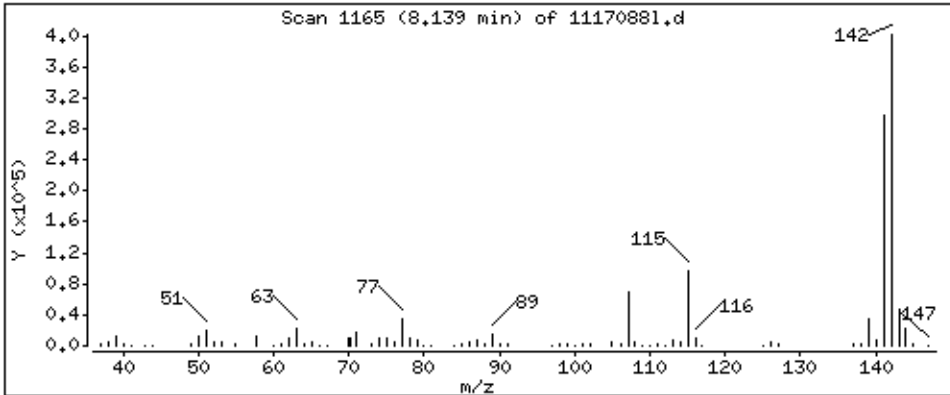
Operator: CEM

Column phase: .50um DB-5ms

Column diameter: 0,25

38 2-Methylnaphthalene

Concentration: 2418 ug/Kg



Date : 27-JUN-2014 15:24

Client ID: MBLCS

Instrument: 50MSS3.i

Sample Info: 1117088

Volume Injected (uL): 1.0

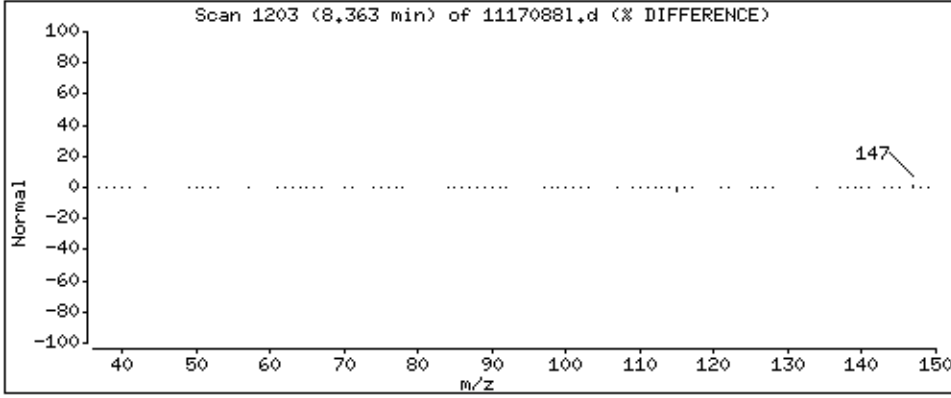
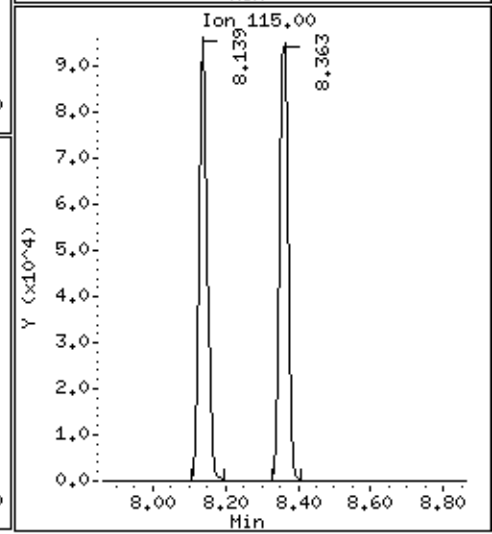
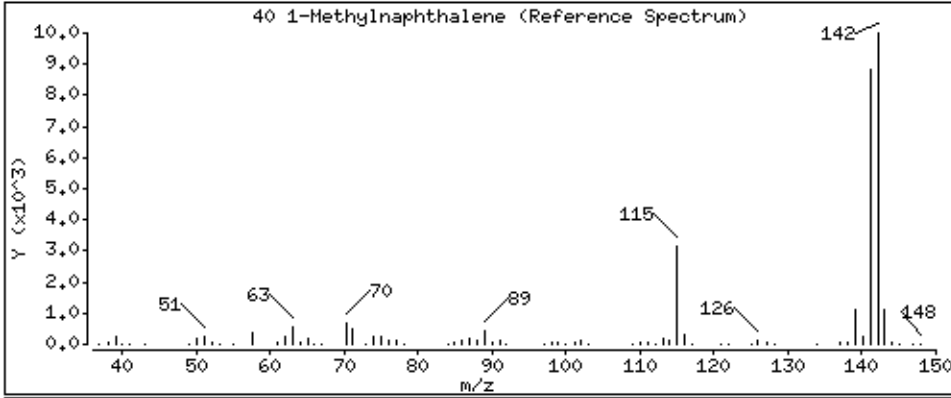
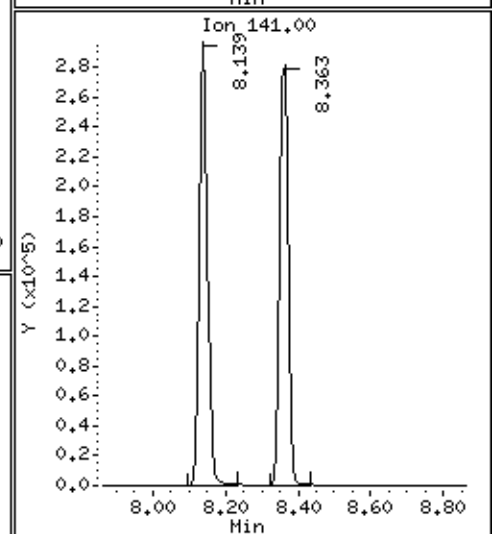
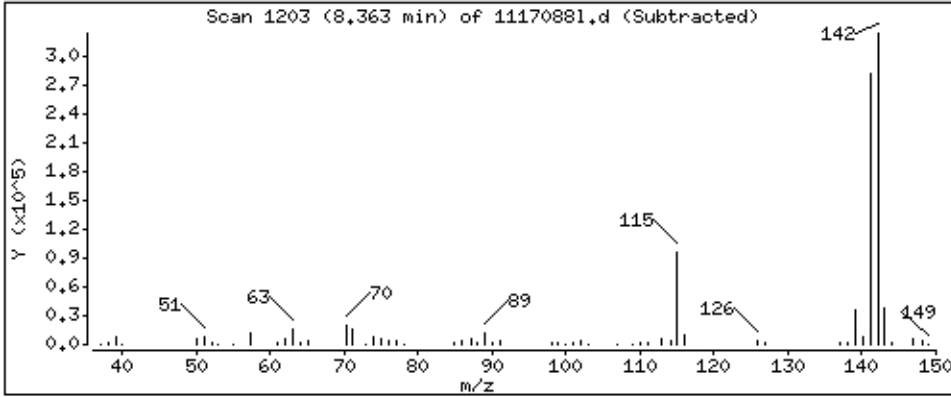
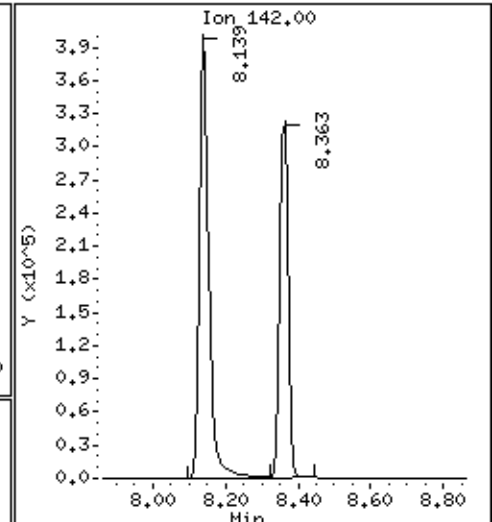
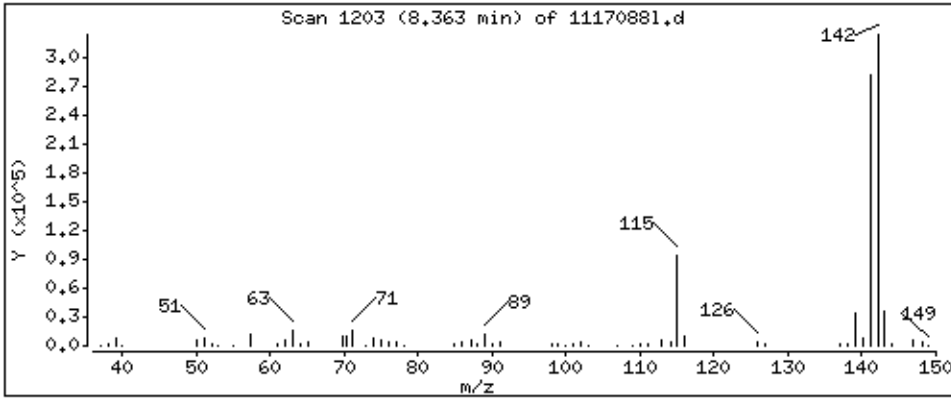
Operator: CEM

Column phase: .50um DB-5ms

Column diameter: 0,25

40 1-Methylnaphthalene

Concentration: 2188 ug/Kg



Date : 27-JUN-2014 15:24

Client ID: MBLCS

Instrument: 50MSS3.i

Sample Info: 1117088

Volume Injected (uL): 1.0

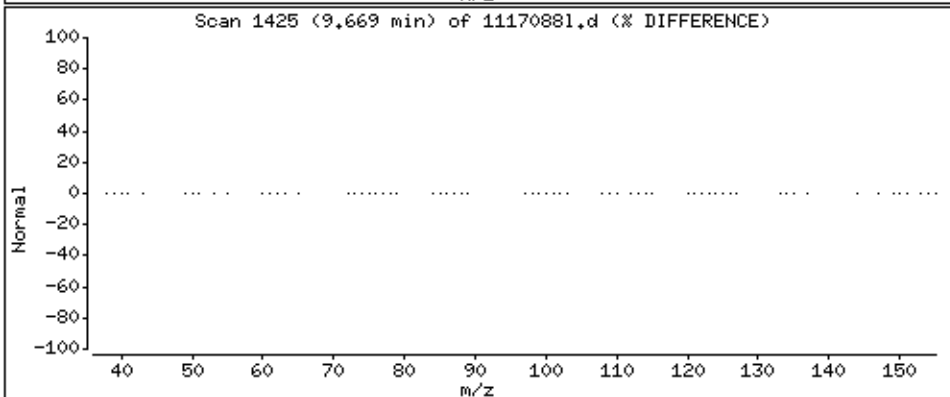
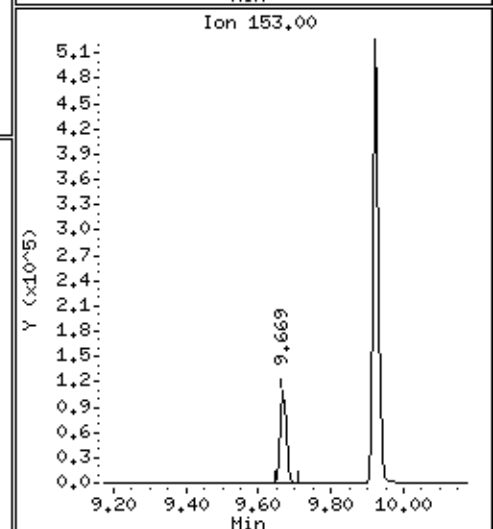
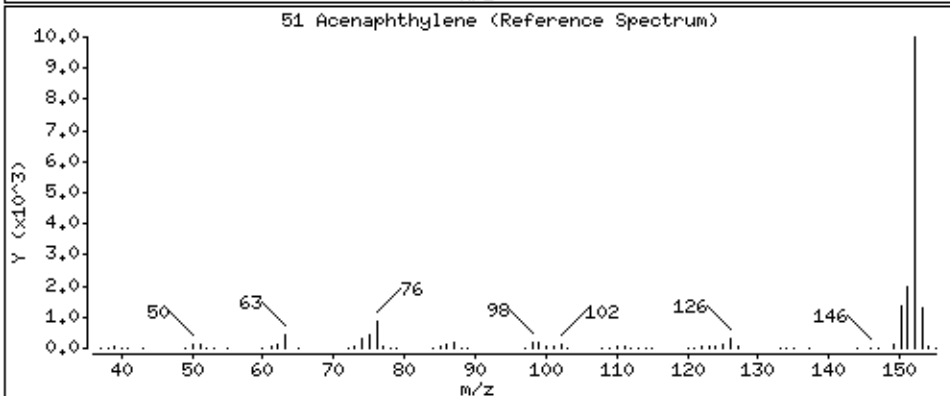
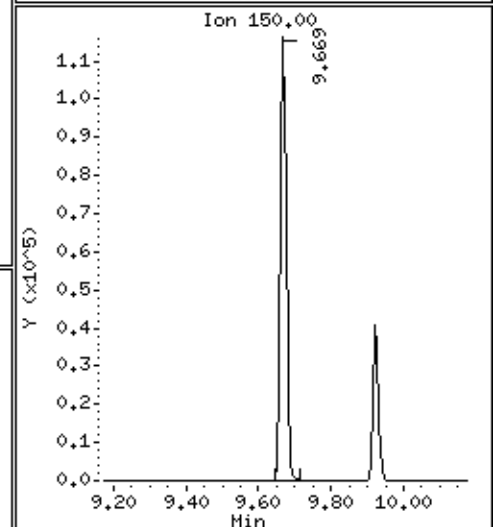
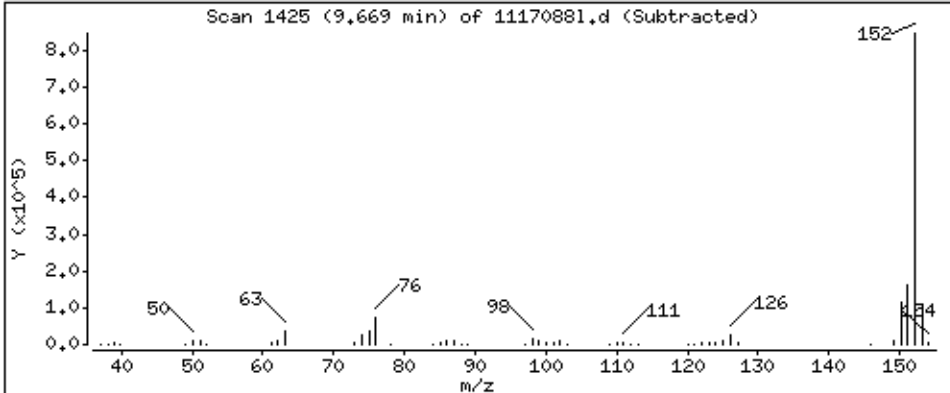
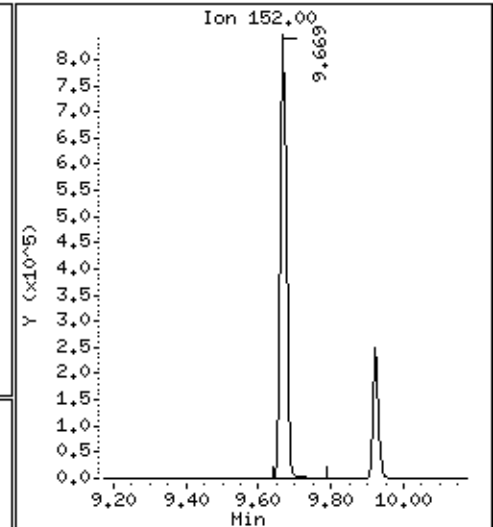
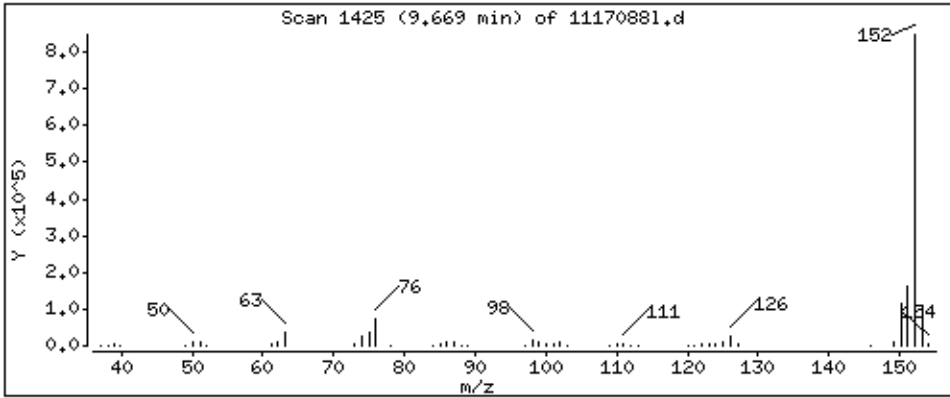
Operator: CEM

Column phase: .50um DB-5ms

Column diameter: 0,25

51 Acenaphthylene

Concentration: 2516 ug/Kg



Date : 27-JUN-2014 15:24

Client ID: MBLCS

Instrument: 50MSS3.i

Sample Info: 1117088

Volume Injected (uL): 1.0

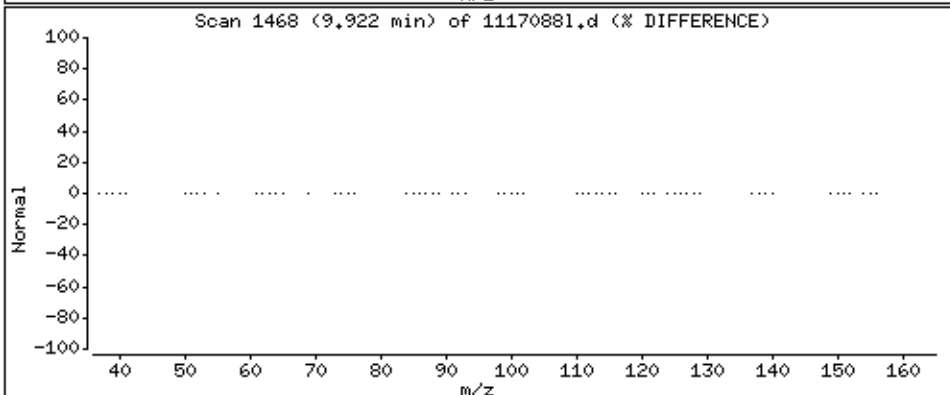
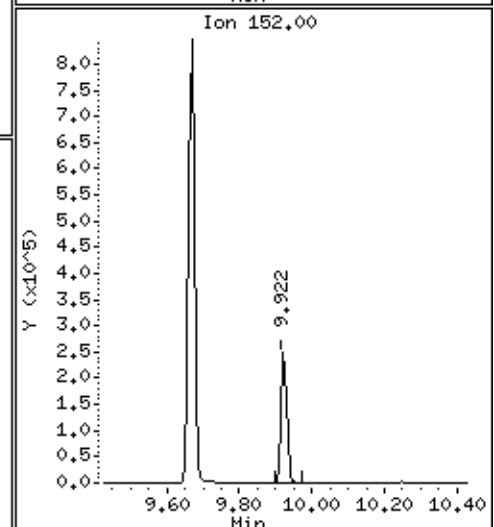
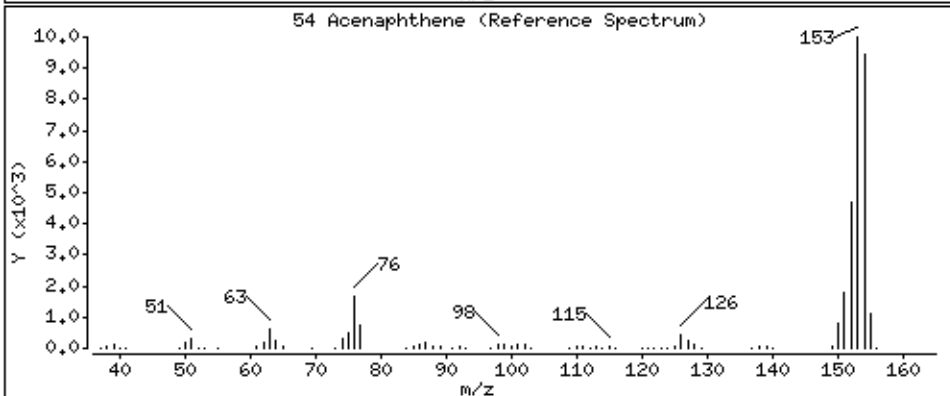
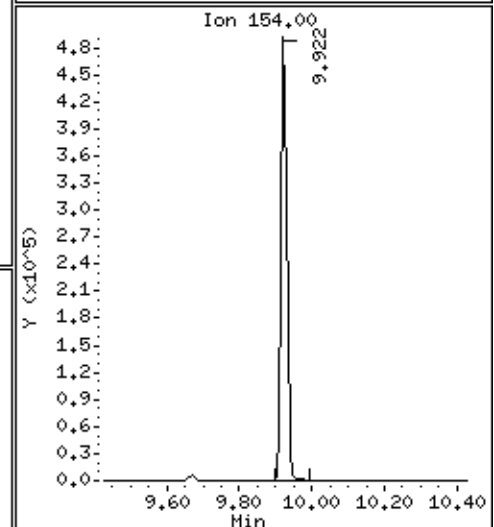
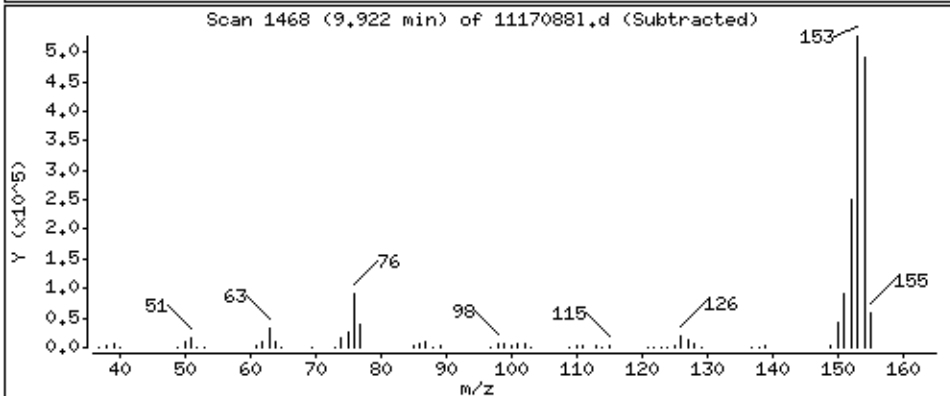
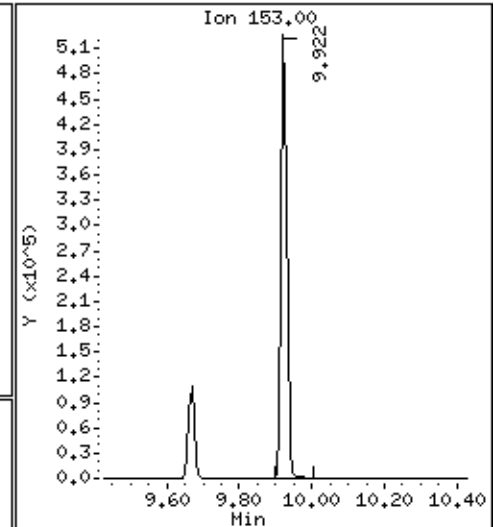
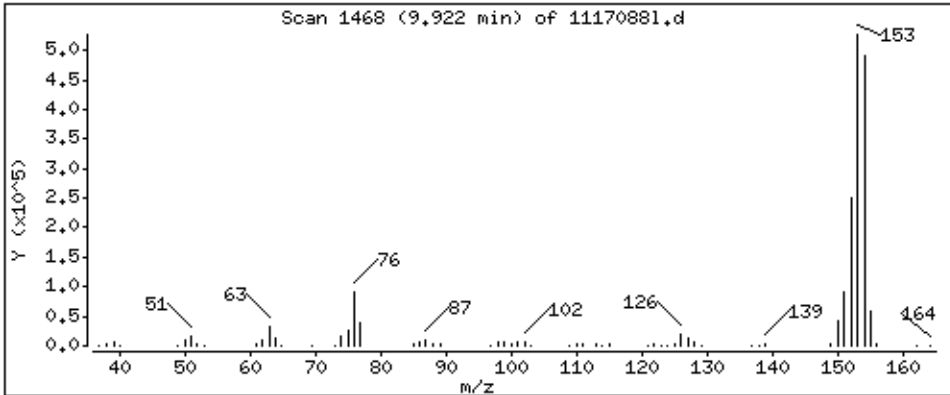
Operator: CEM

Column phase: .50um DB-5ms

Column diameter: 0,25

54 Acenaphthene

Concentration: 2474 ug/Kg



Date : 27-JUN-2014 15:24

Client ID: MBLCS

Instrument: 50MSS3.i

Sample Info: 1117088

Volume Injected (uL): 1.0

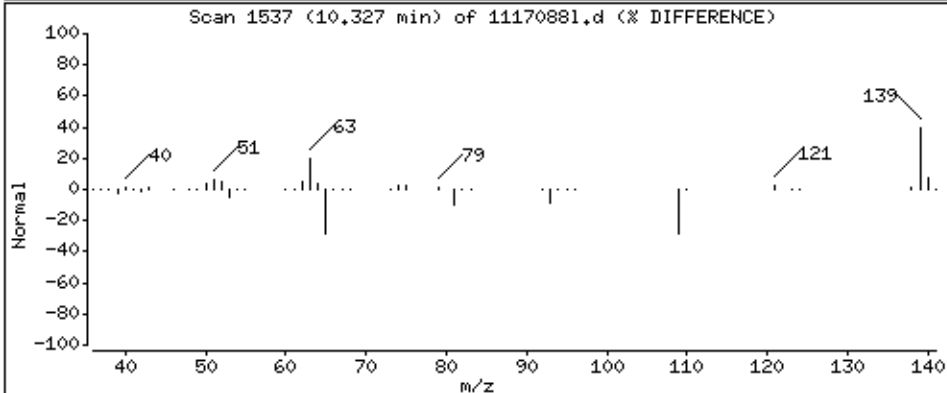
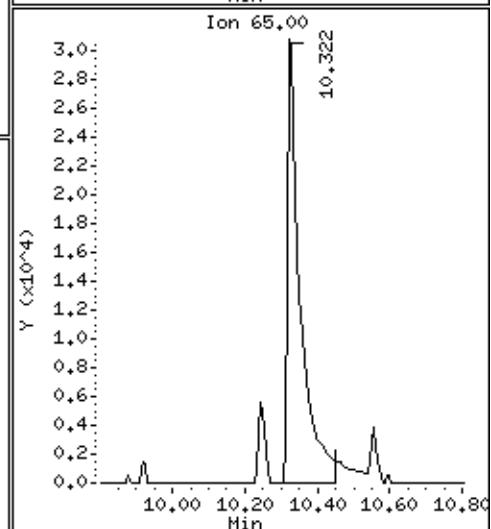
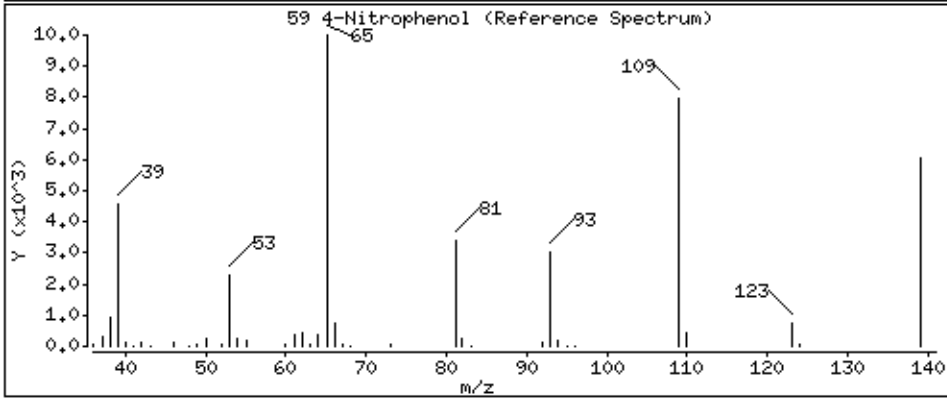
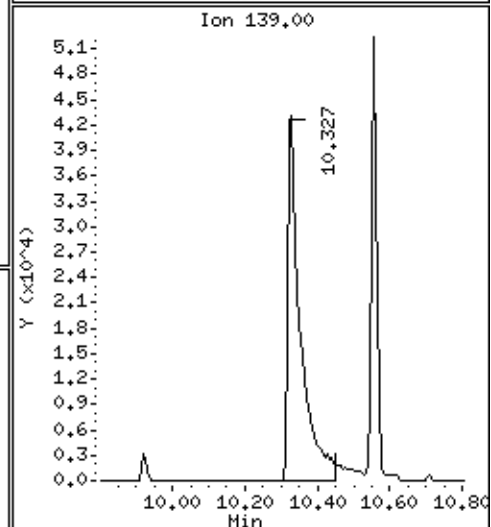
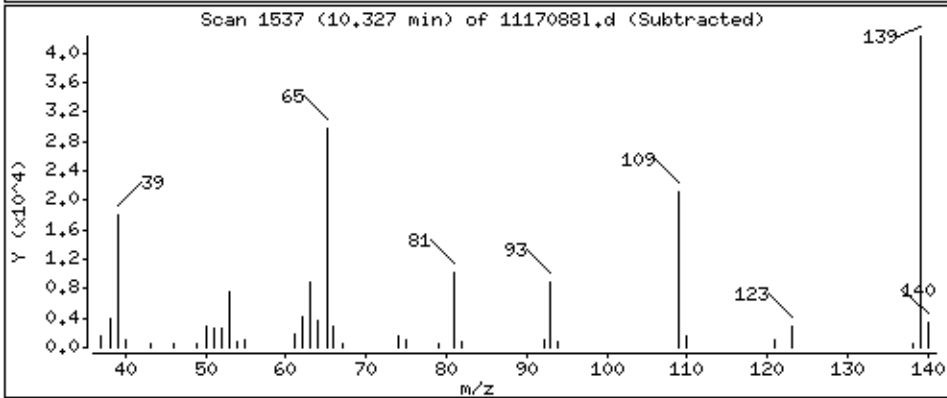
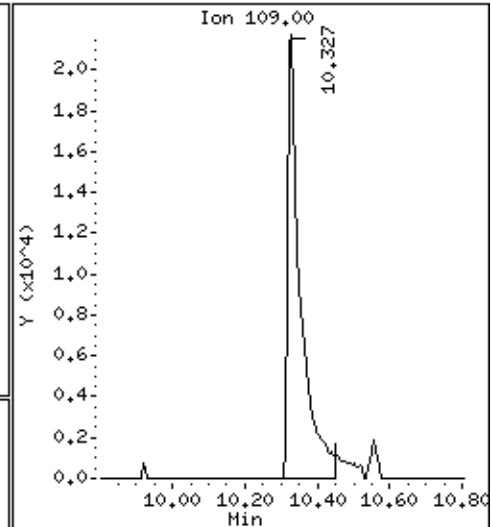
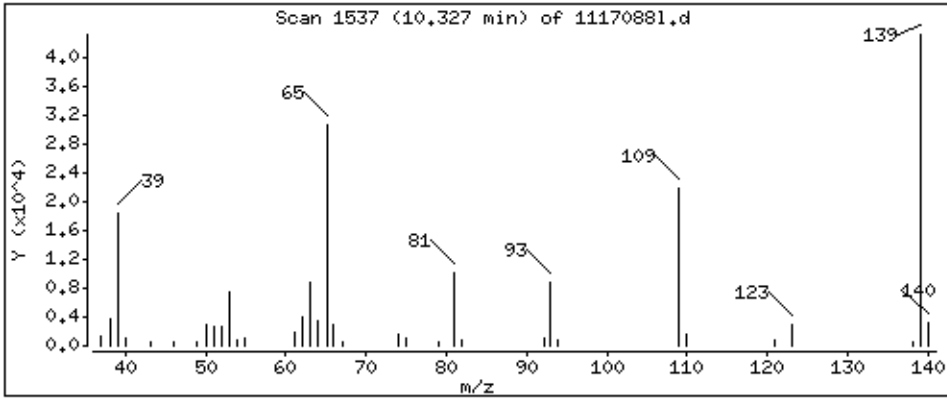
Operator: CEM

Column phase: .50um DB-5ms

Column diameter: 0,25

59 4-Nitrophenol

Concentration: 2133 ug/Kg



Date : 27-JUN-2014 15:24

Client ID: MBLCS

Instrument: 50MSS3.i

Sample Info: 1117088

Volume Injected (uL): 1.0

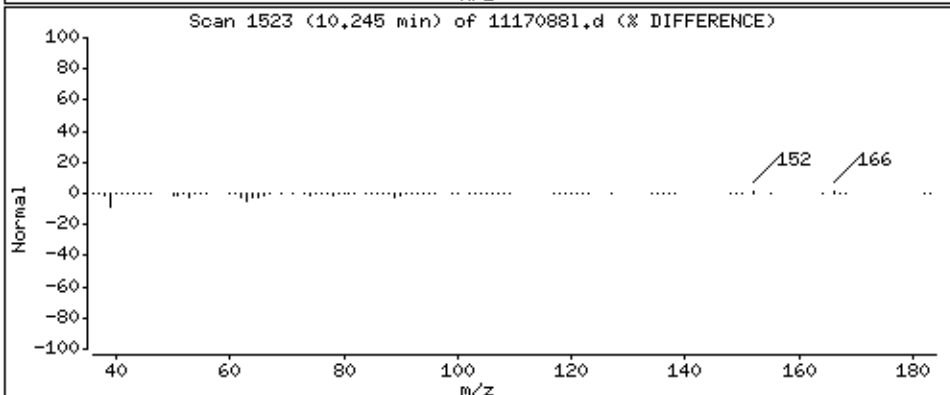
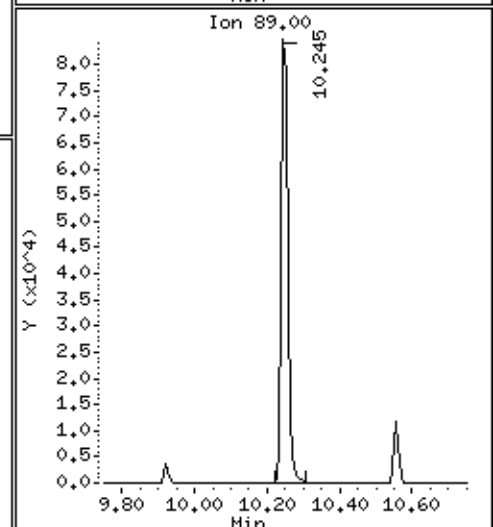
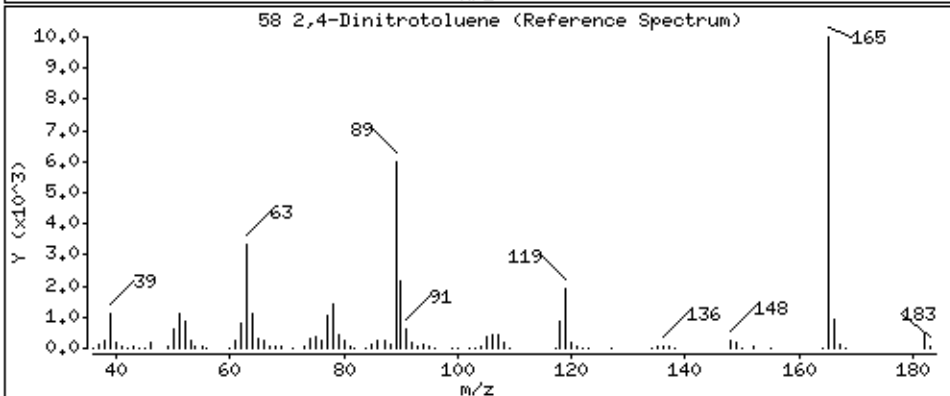
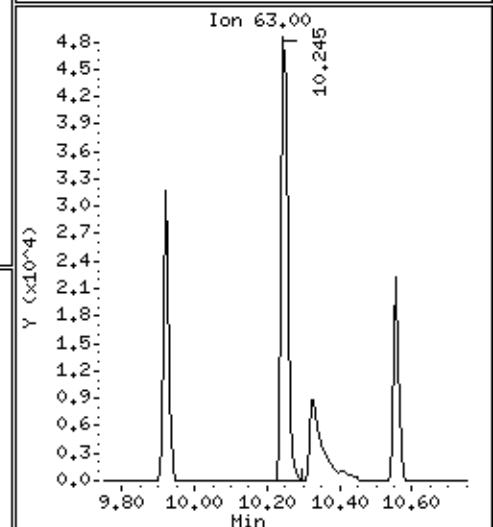
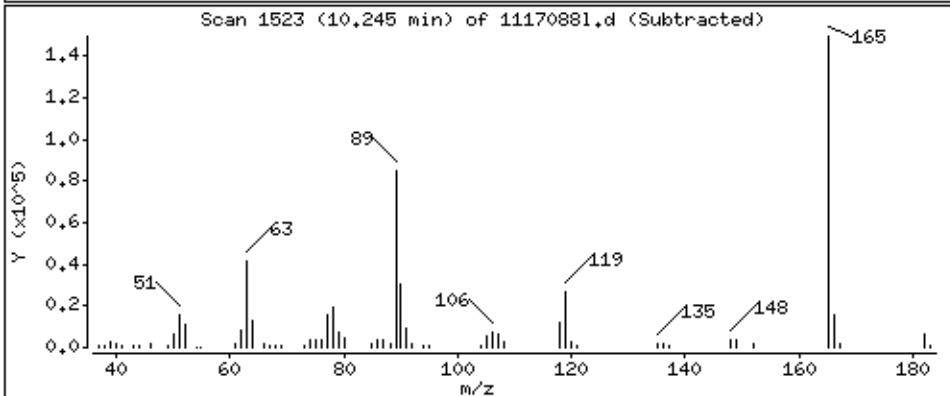
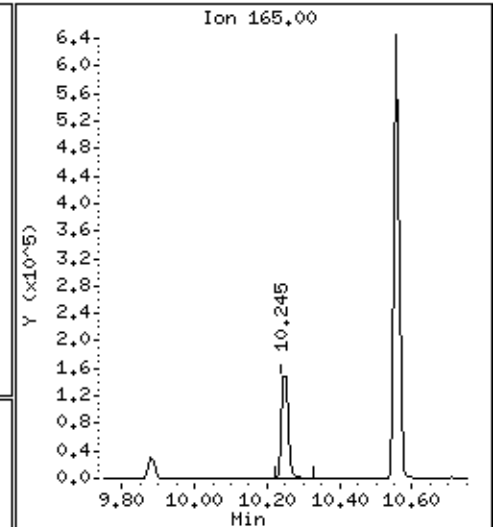
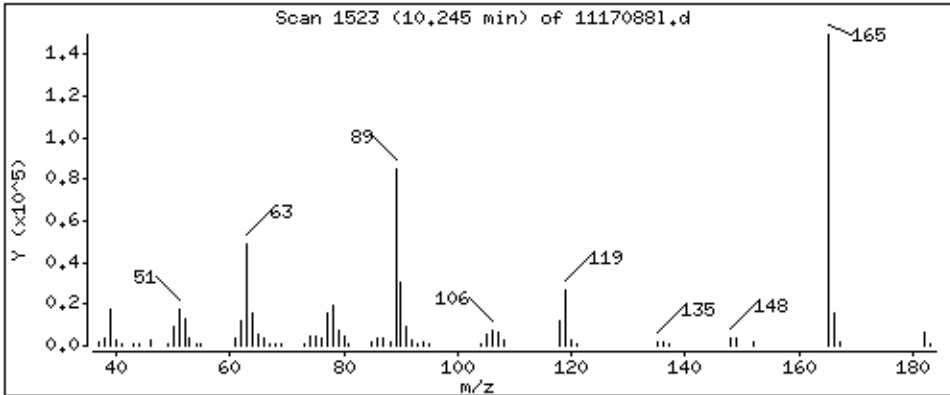
Operator: CEM

Column phase: .50um DB-5ms

Column diameter: 0,25

58 2,4-Dinitrotoluene

Concentration: 2338 ug/Kg



Date : 27-JUN-2014 15:24

Client ID: MBLCS

Instrument: 50MSS3.i

Sample Info: 1117088

Volume Injected (uL): 1.0

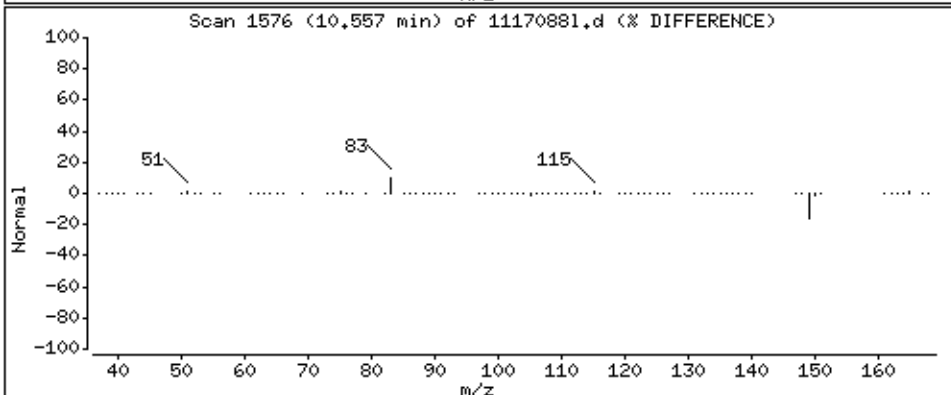
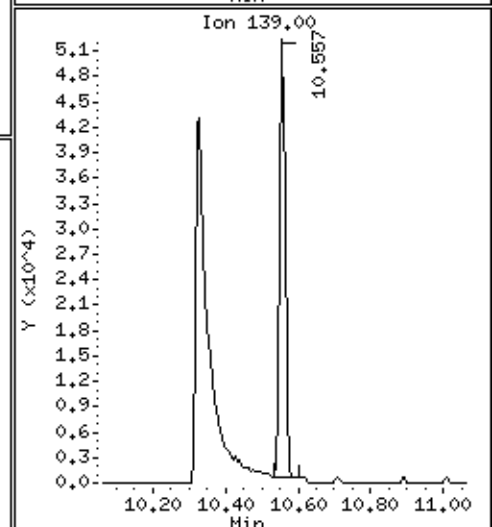
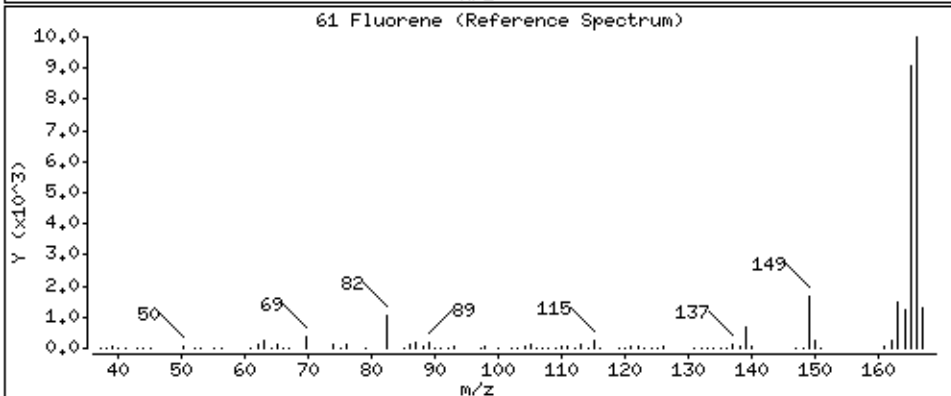
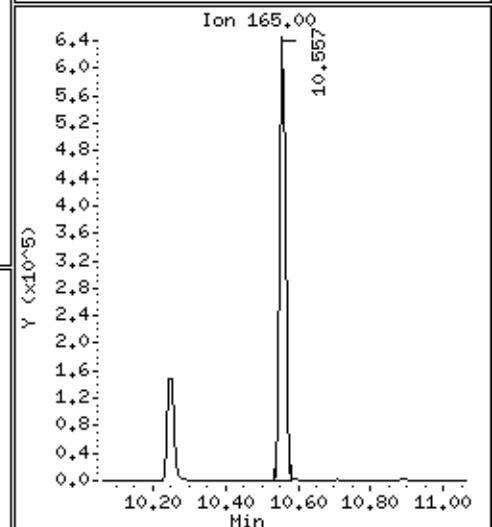
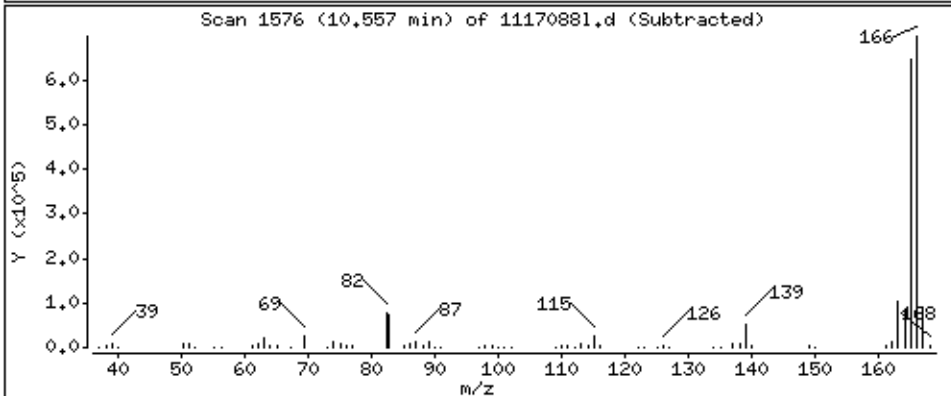
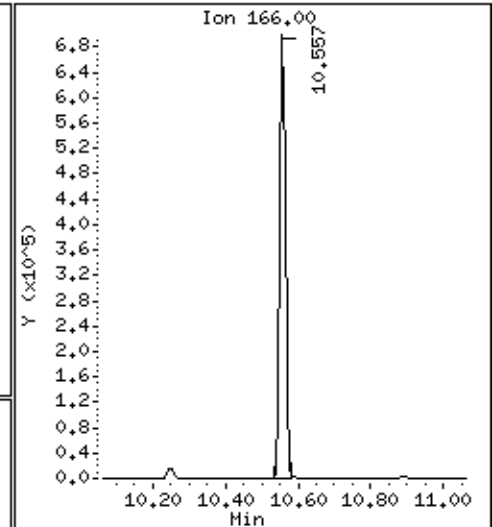
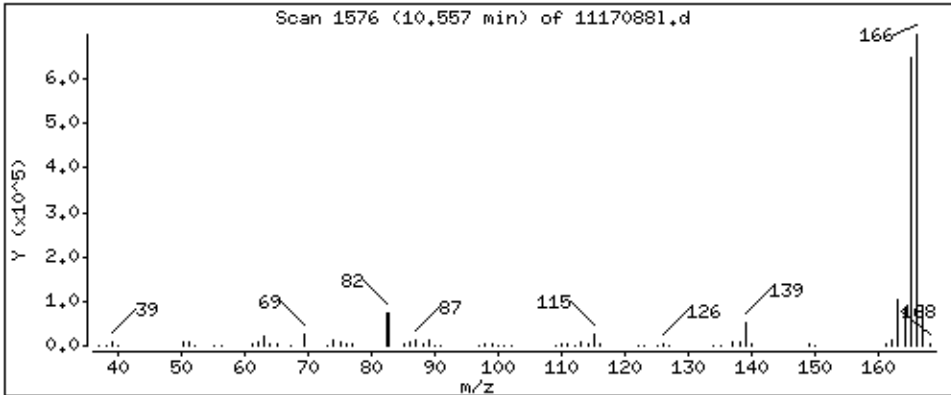
Operator: CEM

Column phase: .50um DB-5ms

Column diameter: 0,25

61 Fluorene

Concentration: 2726 ug/Kg



Date : 27-JUN-2014 15:24

Client ID: MBLCS

Instrument: 50MSS3.i

Sample Info: 1117088

Volume Injected (uL): 1.0

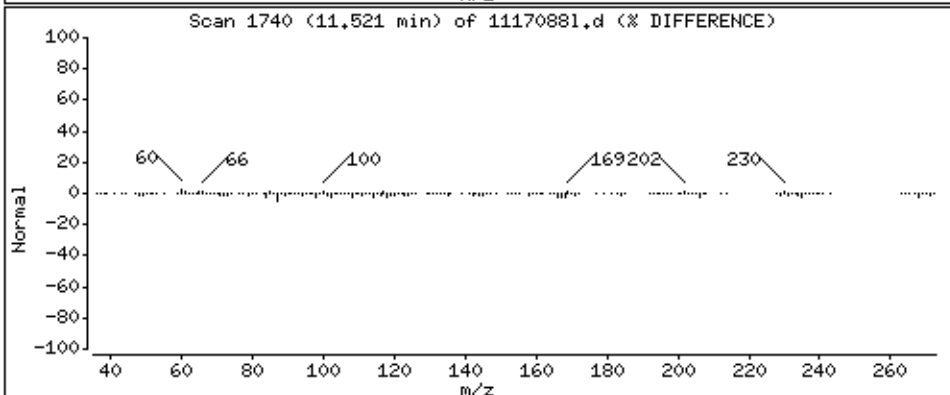
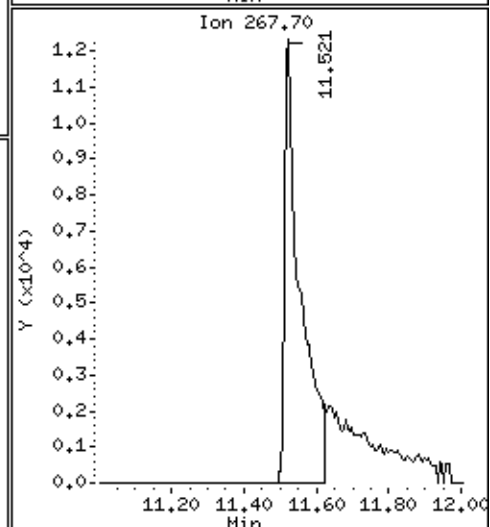
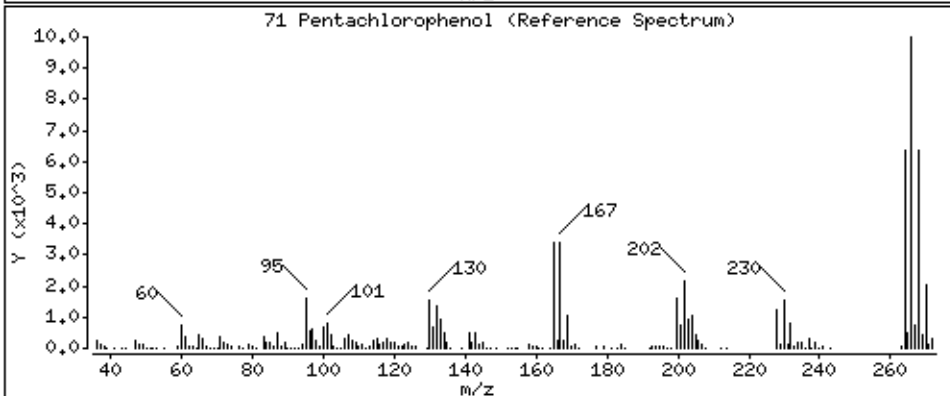
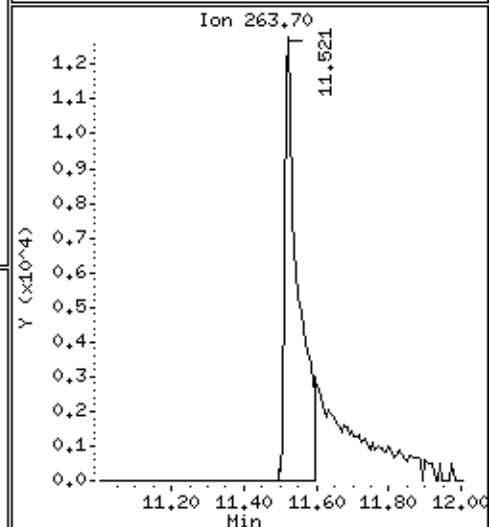
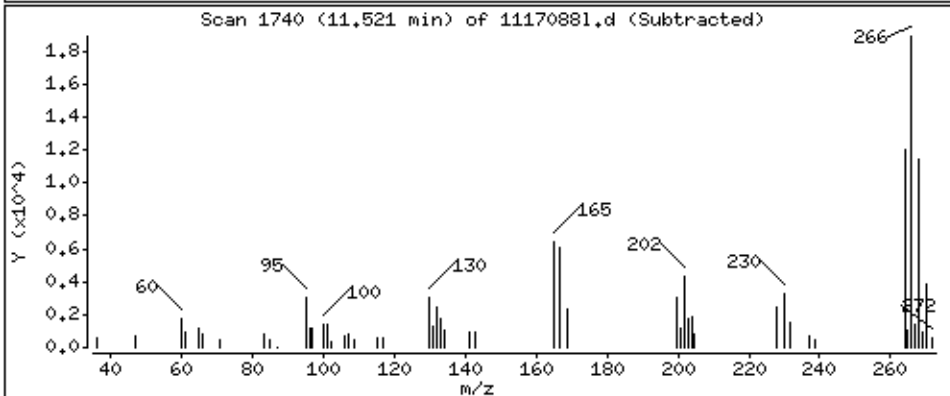
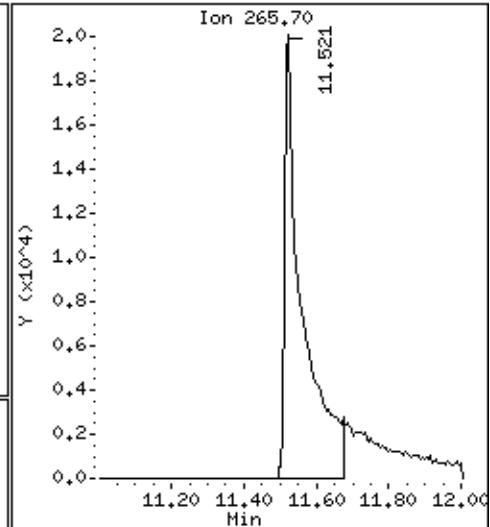
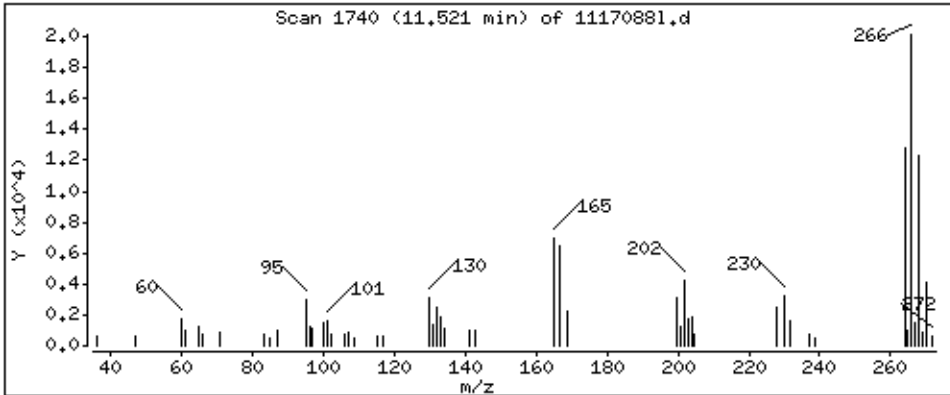
Operator: CEM

Column phase: .50um DB-5ms

Column diameter: 0,25

71 Pentachlorophenol

Concentration: 1235 ug/Kg



Date : 27-JUN-2014 15:24

Client ID: MBLCS

Instrument: 50MSS3.i

Sample Info: 1117088

Volume Injected (uL): 1.0

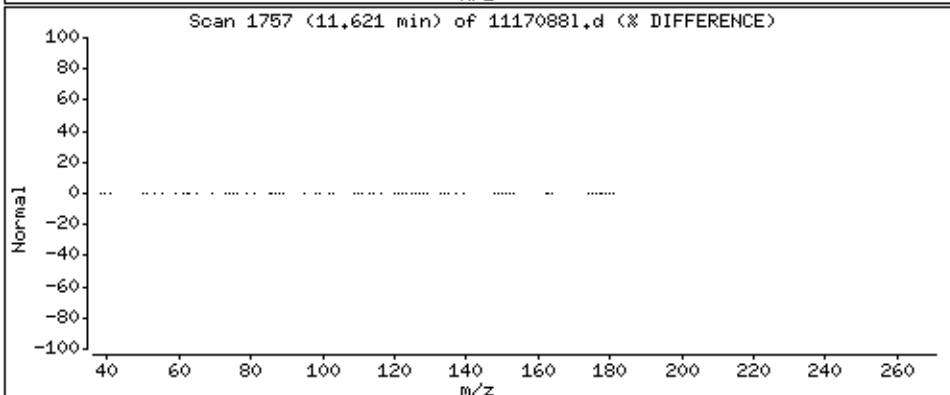
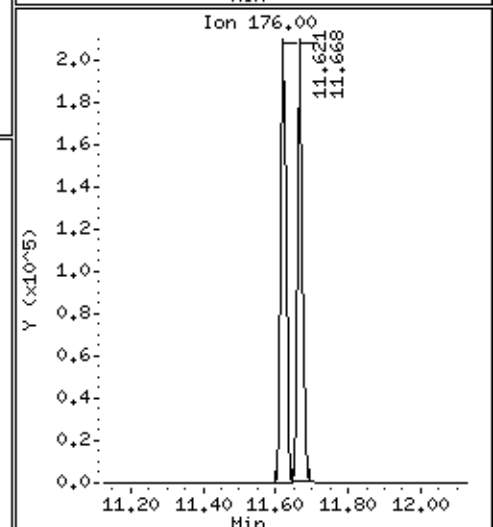
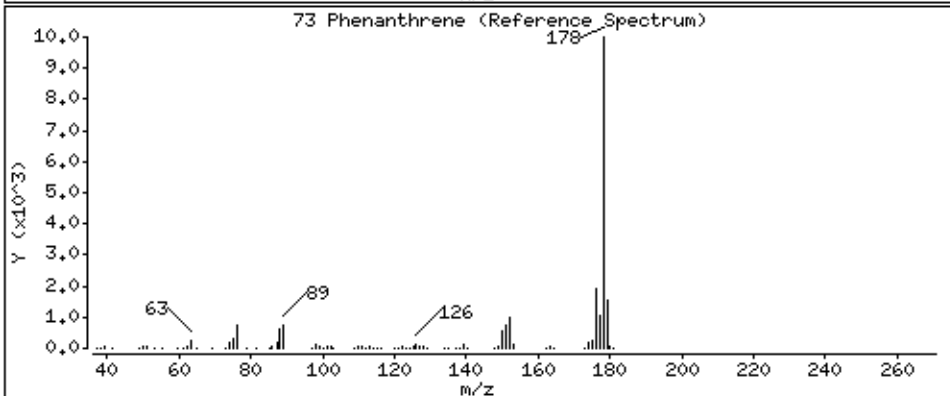
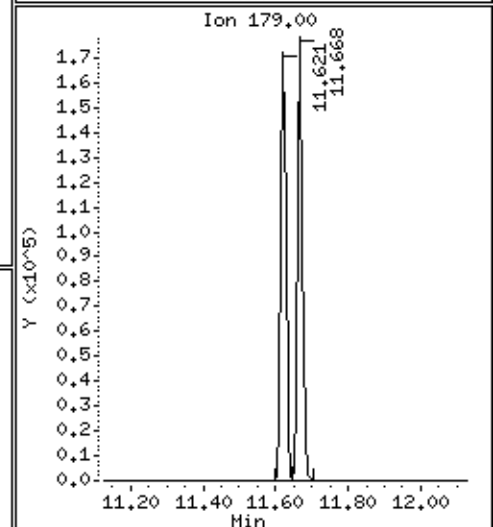
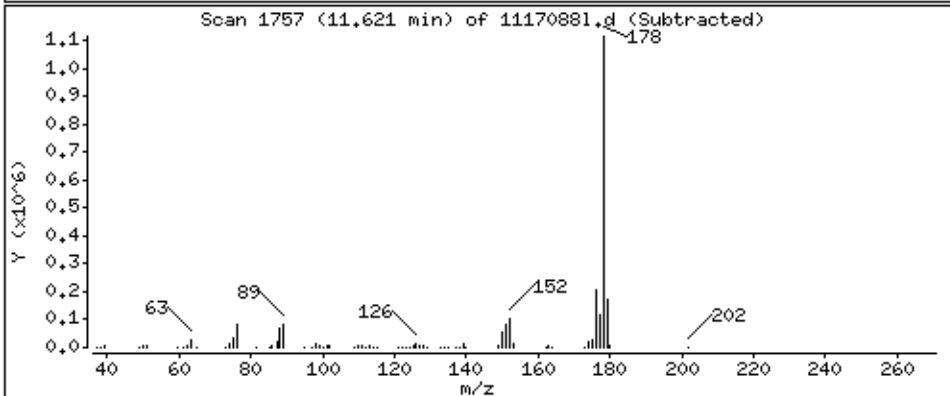
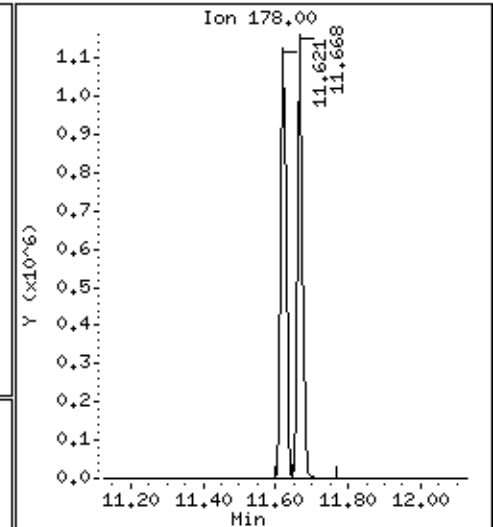
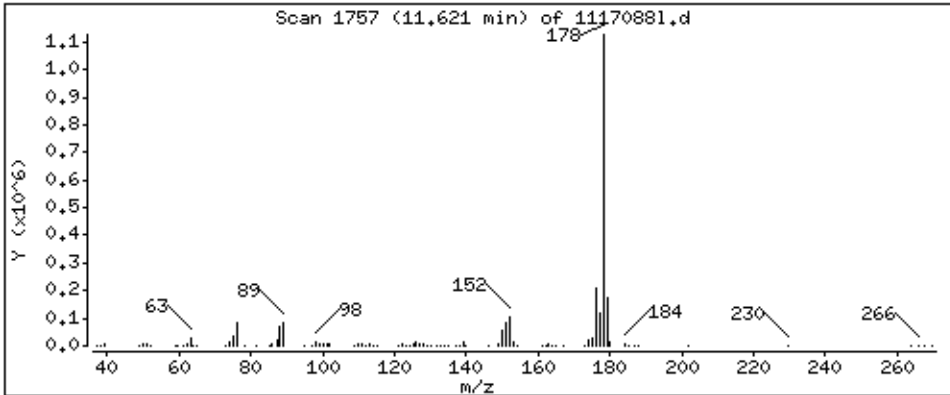
Operator: CEM

Column phase: .50um DB-5ms

Column diameter: 0,25

73 Phenanthrene

Concentration: 2543 ug/Kg



Date : 27-JUN-2014 15:24

Client ID: MBLCS

Instrument: 50MSS3.i

Sample Info: 1117088

Volume Injected (uL): 1.0

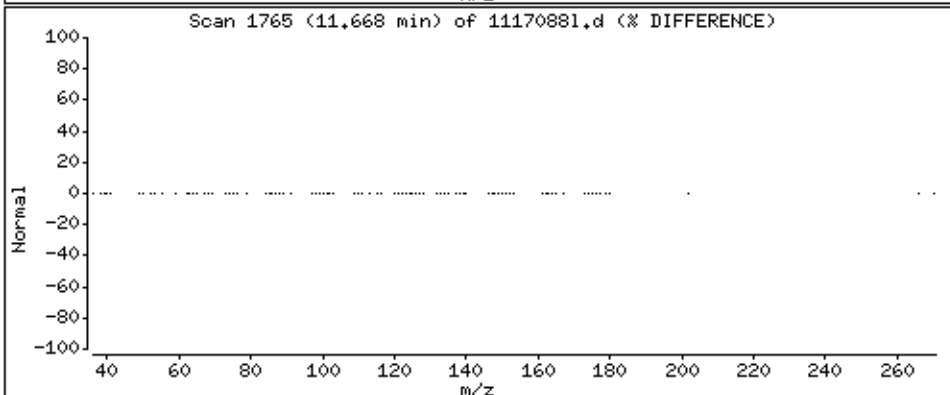
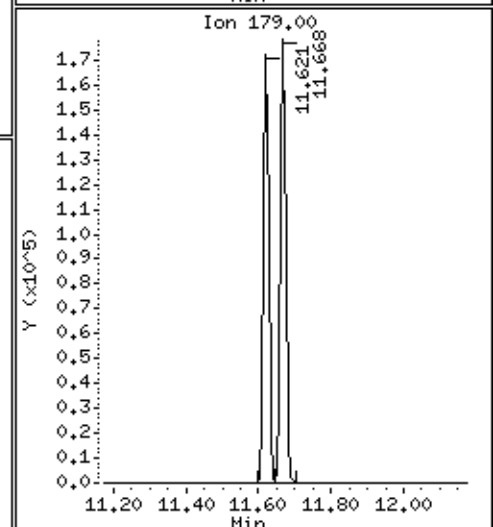
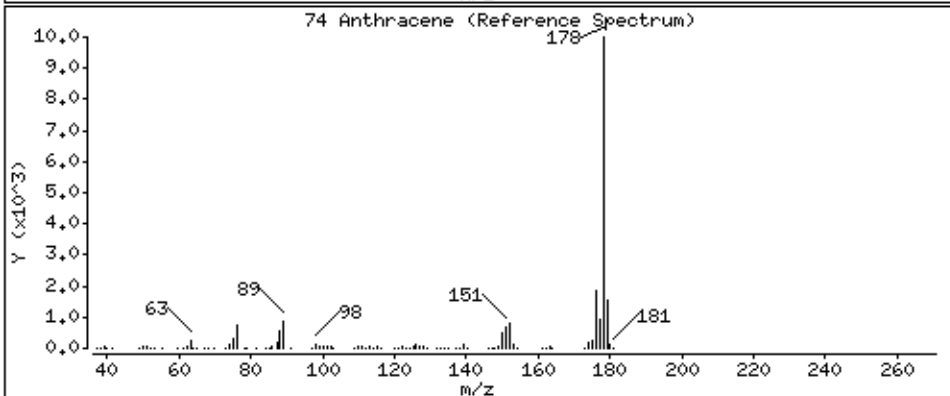
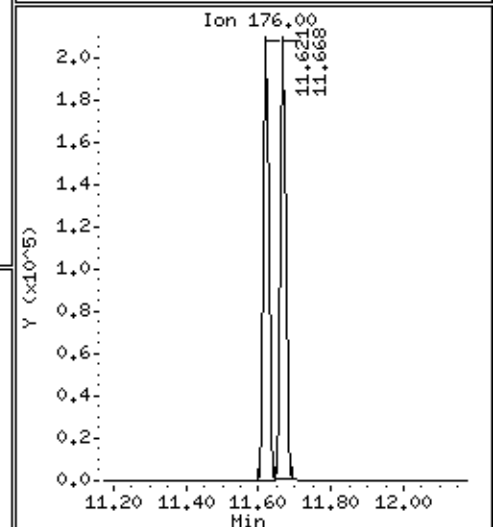
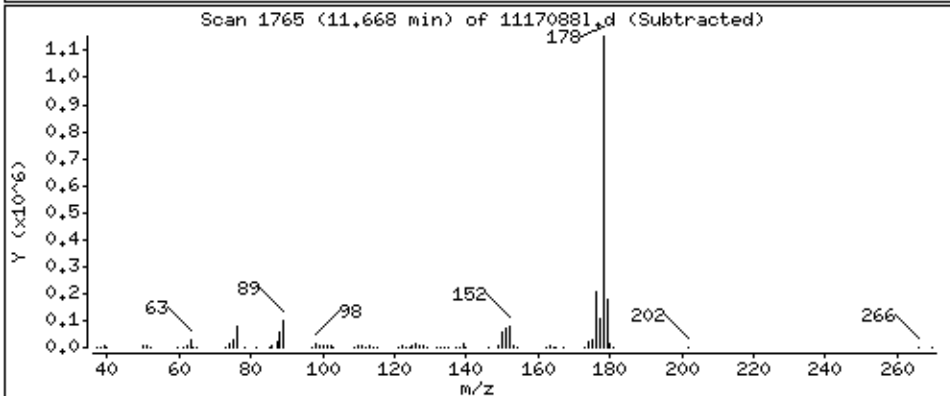
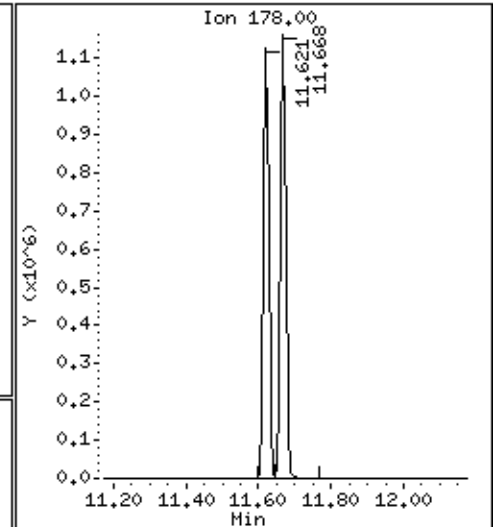
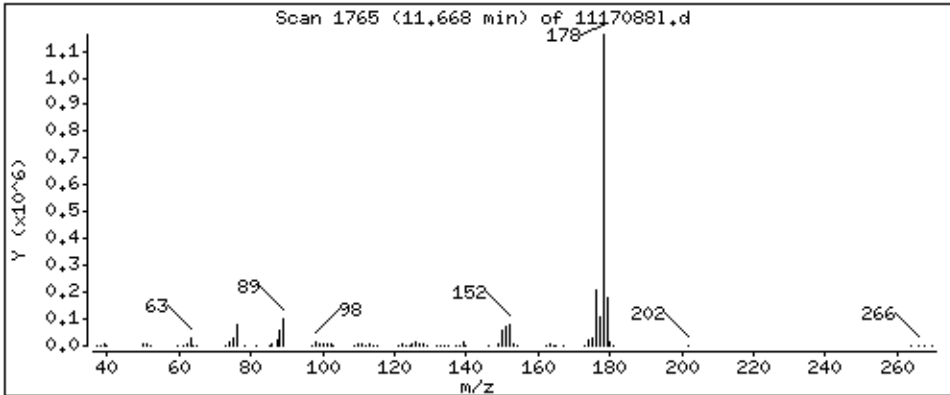
Operator: CEM

Column phase: .50um DB-5ms

Column diameter: 0,25

74 Anthracene

Concentration: 2659 ug/Kg



Date : 27-JUN-2014 15:24

Client ID: MBLCS

Instrument: 50MSS3.i

Sample Info: 1117088

Volume Injected (uL): 1.0

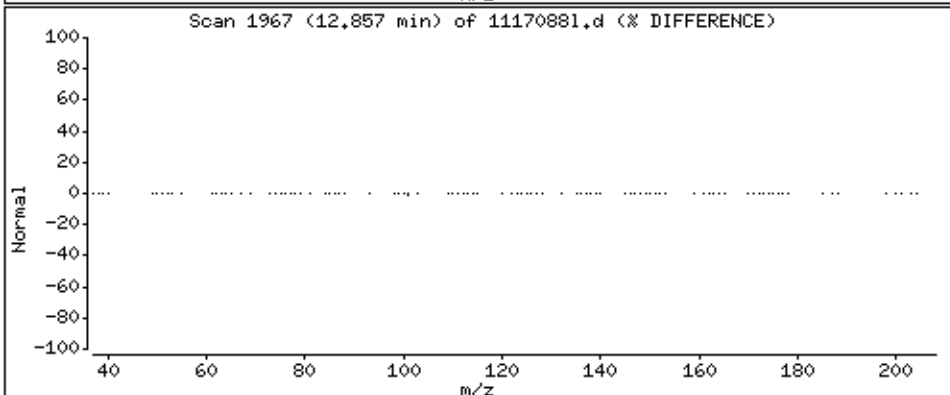
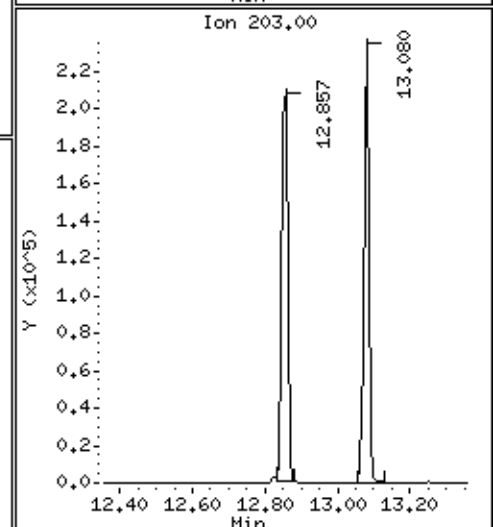
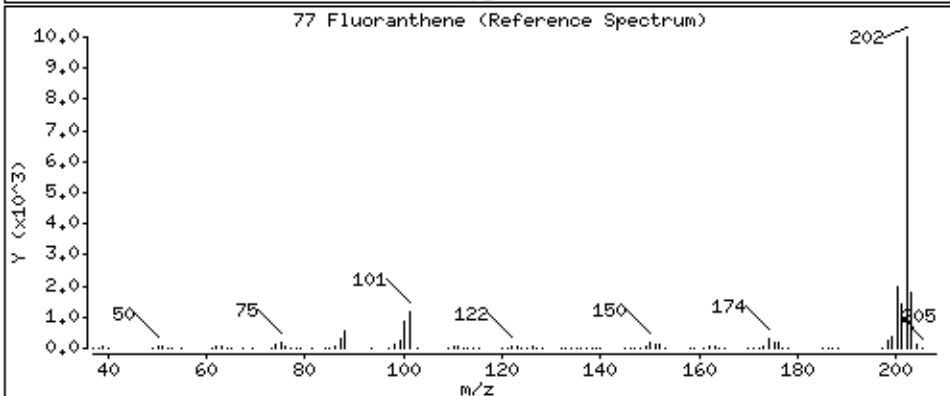
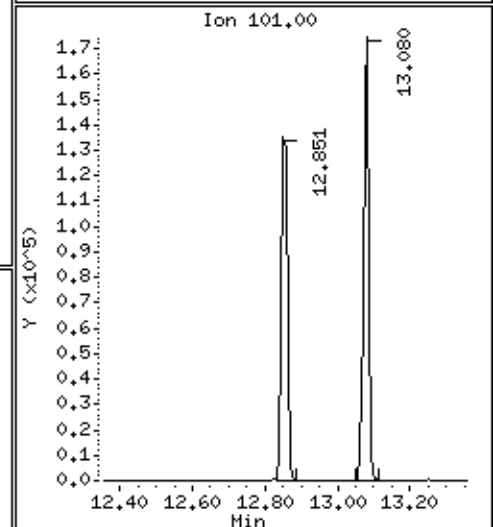
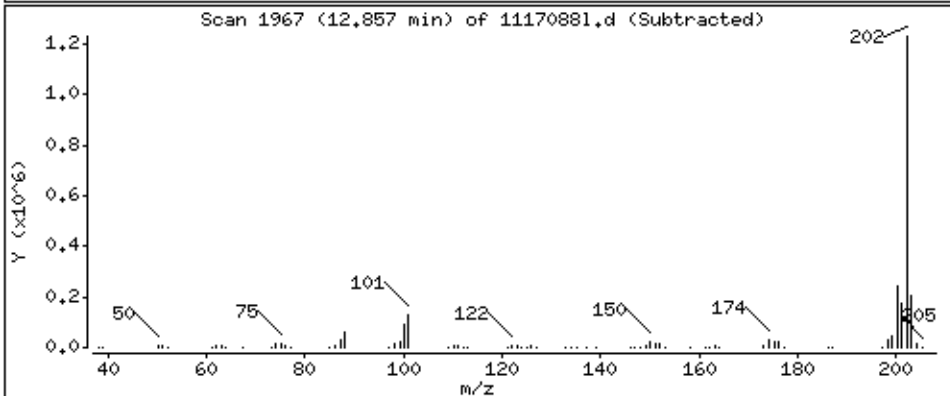
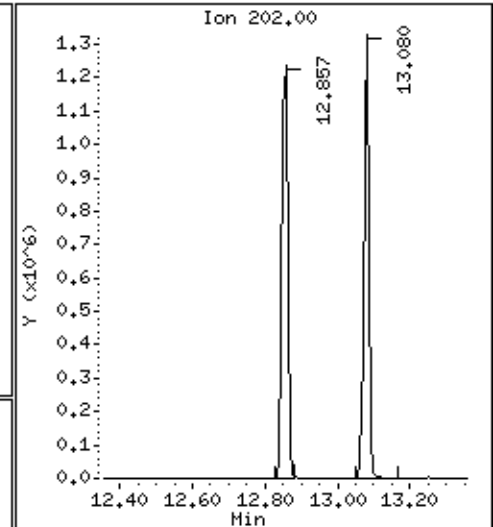
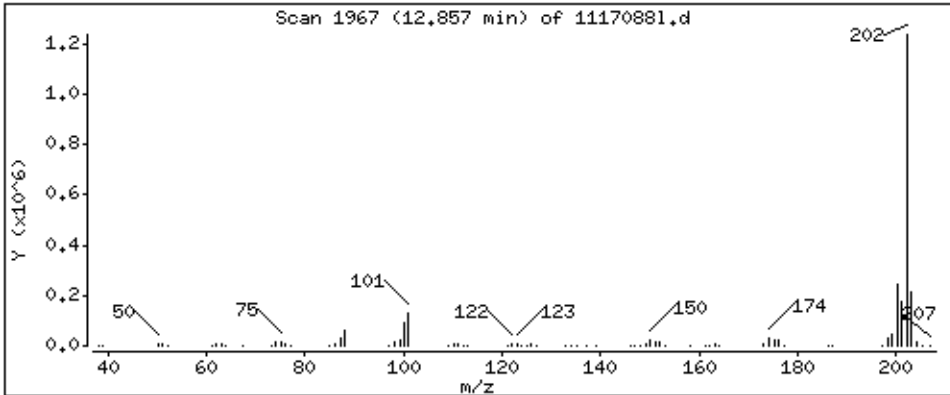
Operator: CEM

Column phase: .50um DB-5ms

Column diameter: 0,25

77 Fluoranthene

Concentration: 2750 ug/Kg



Date : 27-JUN-2014 15:24

Client ID: MBLCS

Instrument: 50MSS3.i

Sample Info: 1117088

Volume Injected (uL): 1.0

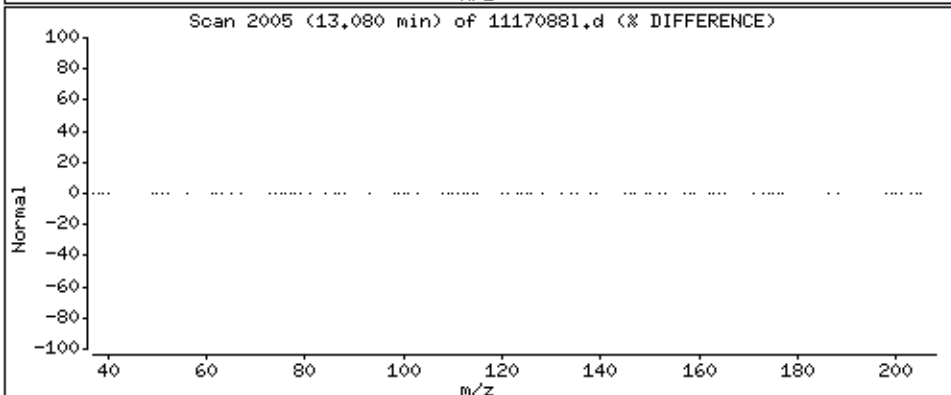
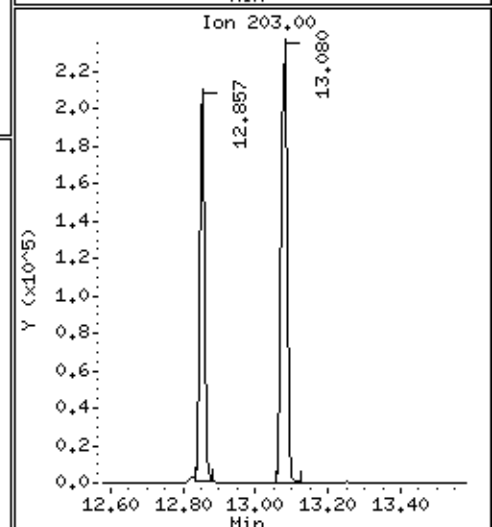
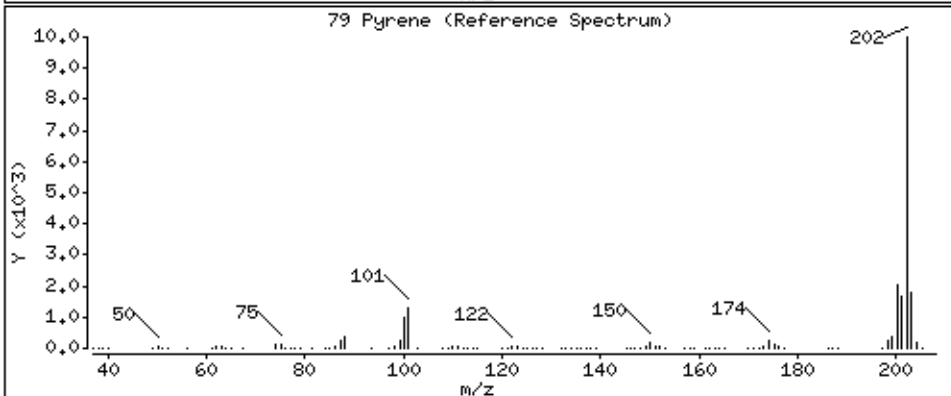
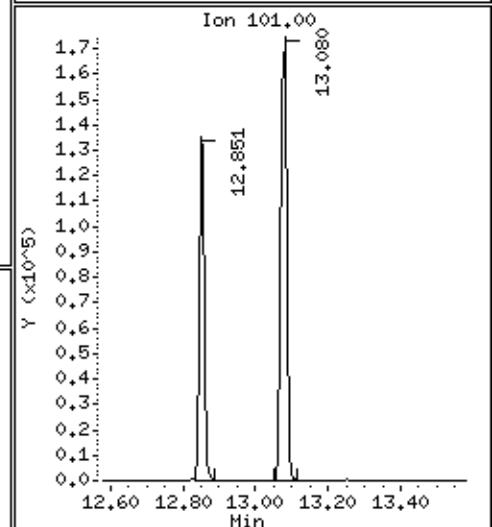
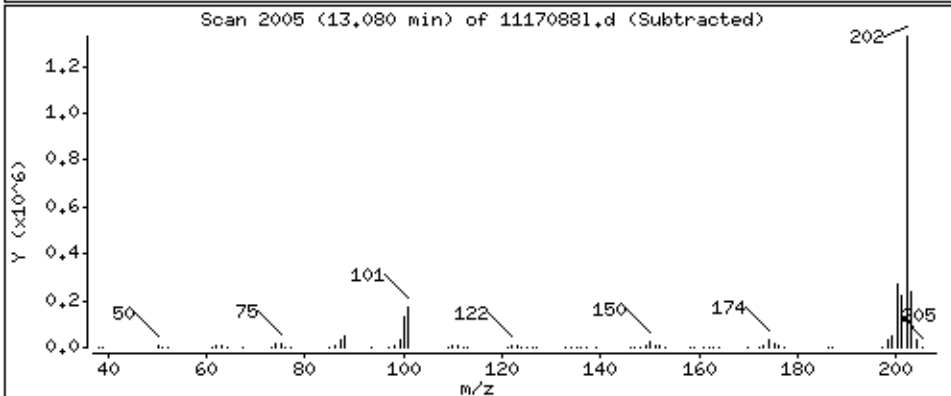
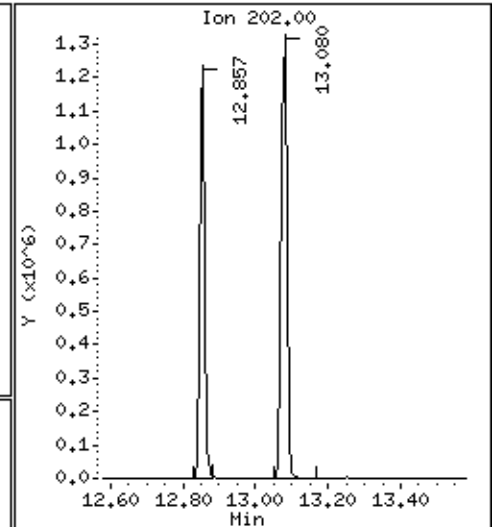
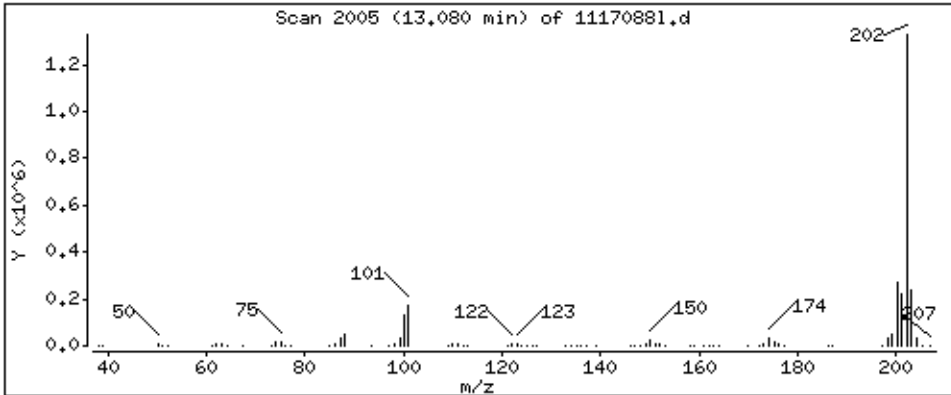
Operator: CEM

Column phase: .50um DB-5ms

Column diameter: 0,25

79 Pyrene

Concentration: 2796 ug/Kg



Date : 27-JUN-2014 15:24

Client ID: MBLCS

Instrument: 50MSS3.i

Sample Info: 1117088

Volume Injected (uL): 1.0

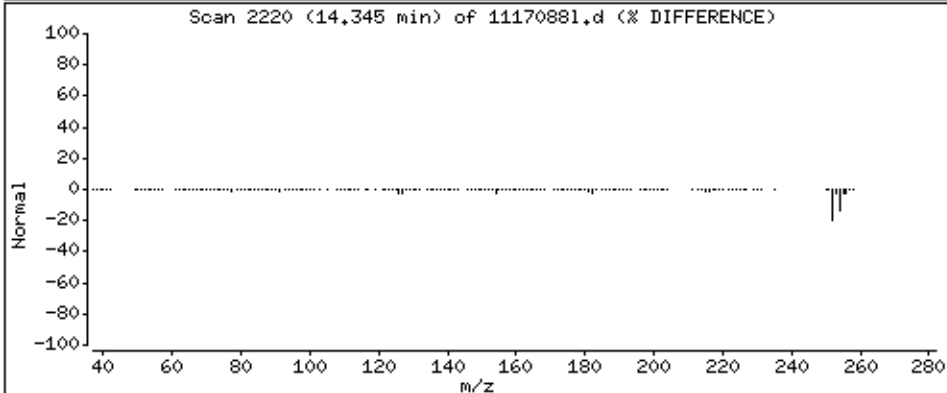
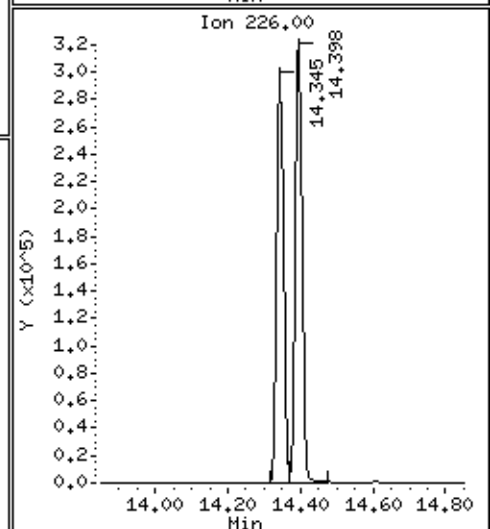
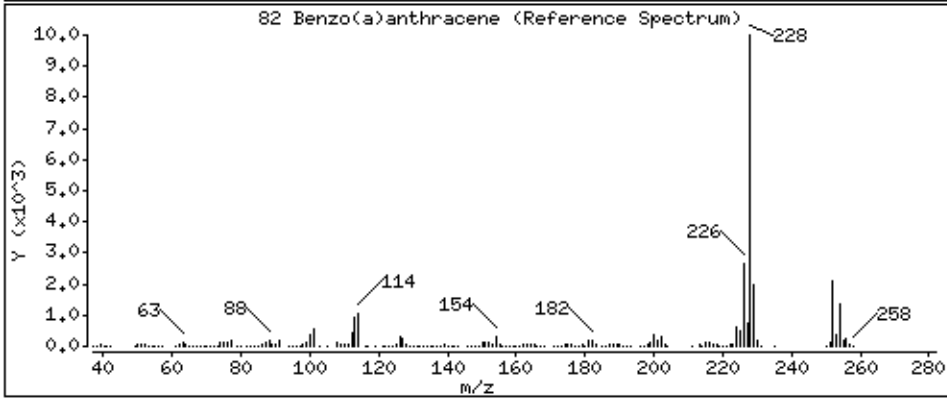
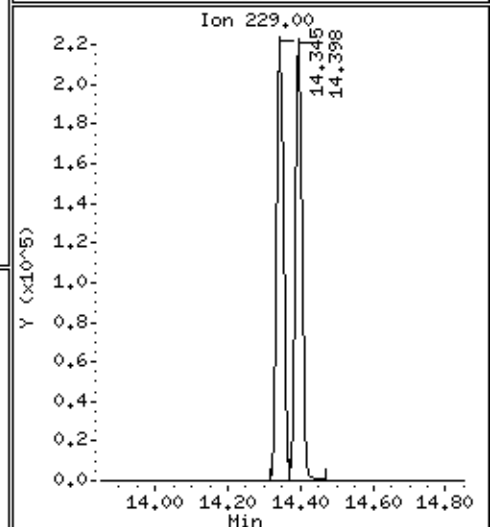
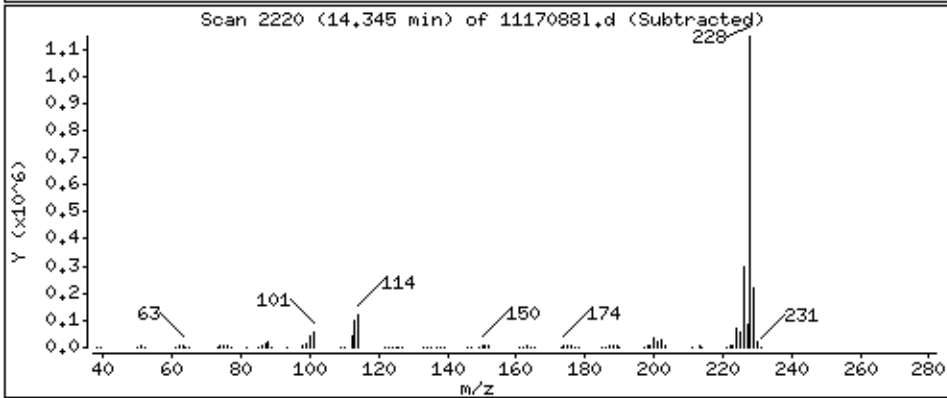
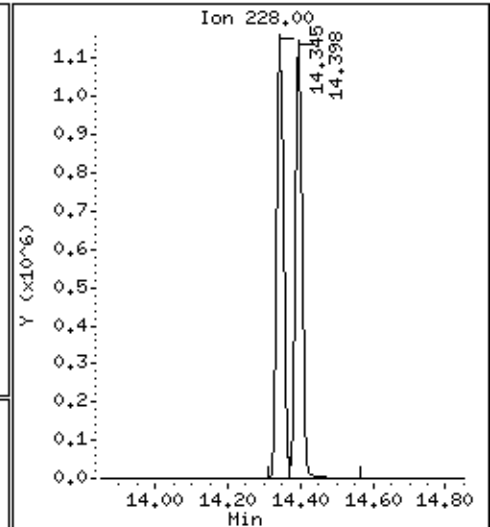
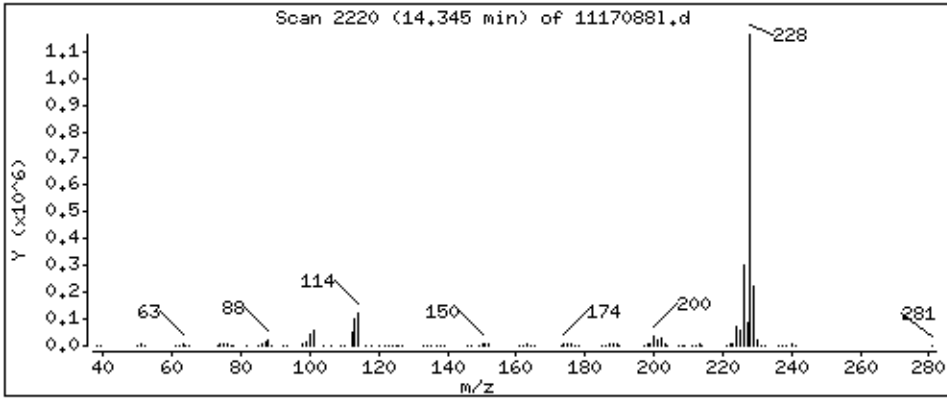
Operator: CEM

Column phase: .50um DB-5ms

Column diameter: 0,25

82 Benzo(a)anthracene

Concentration: 2518 ug/Kg



Date : 27-JUN-2014 15:24

Client ID: MBLCS

Instrument: 50MSS3.i

Sample Info: 1117088

Volume Injected (uL): 1.0

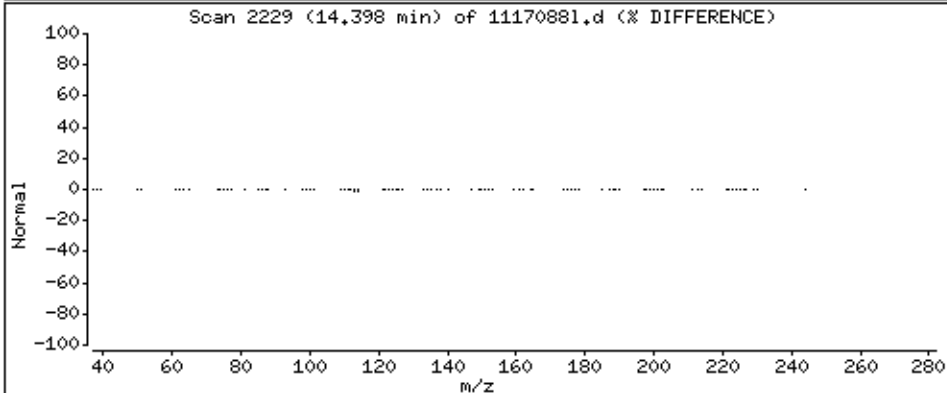
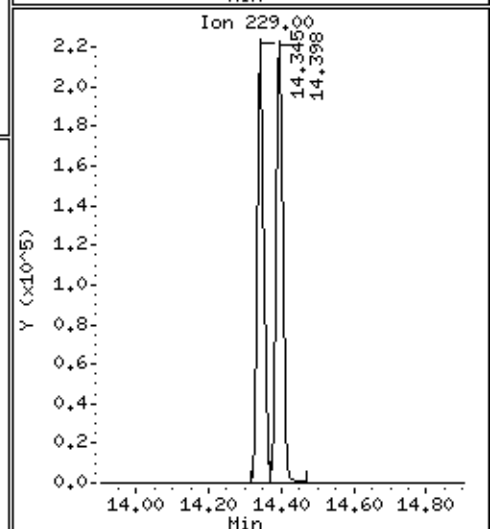
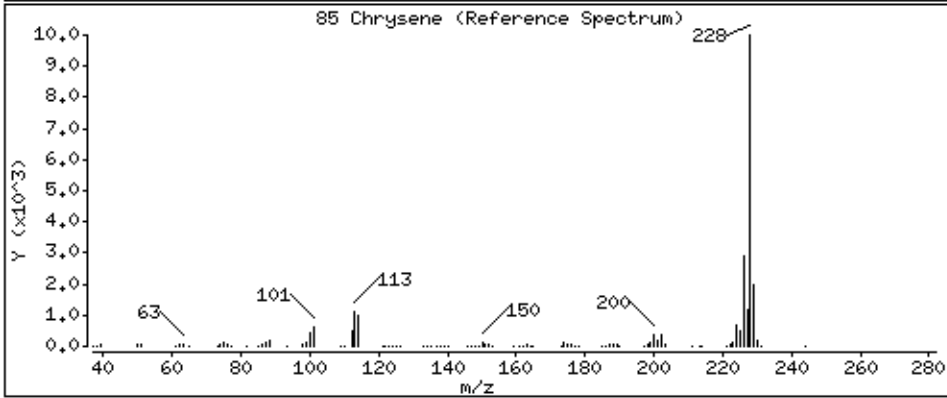
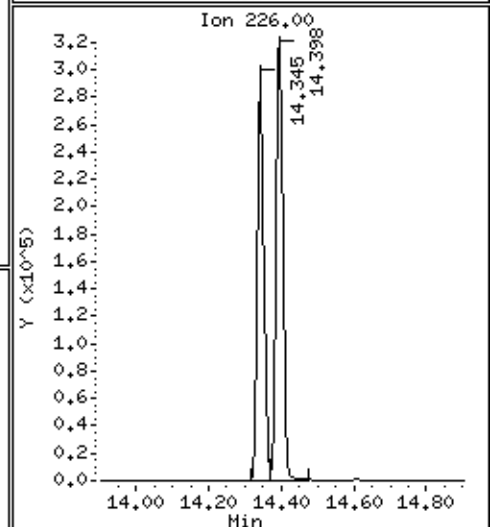
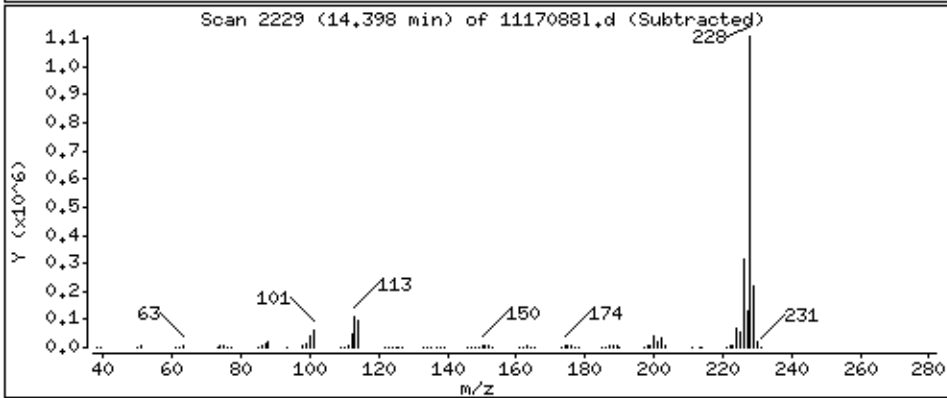
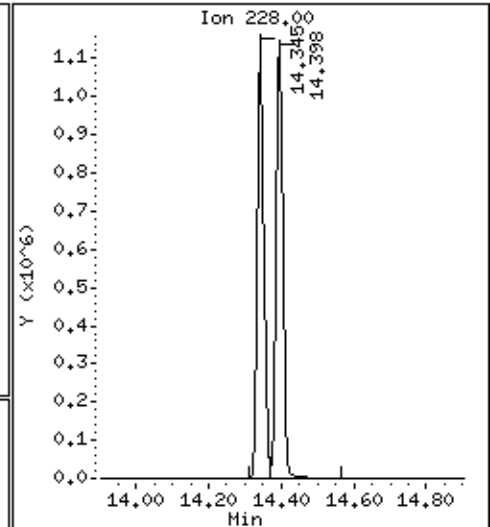
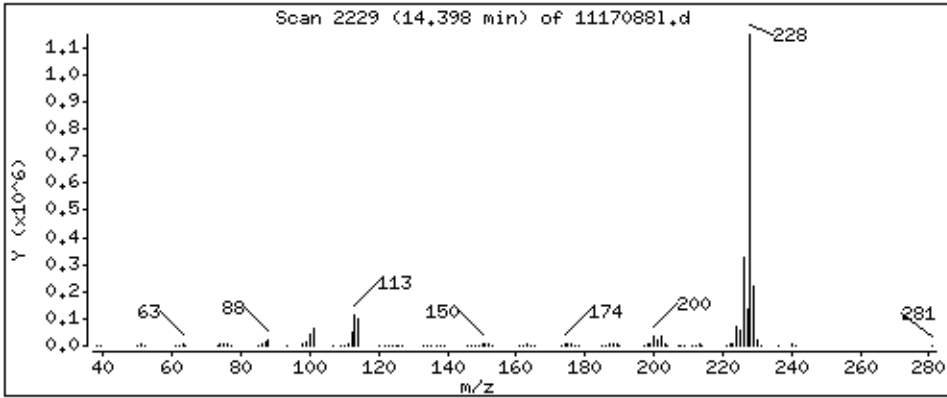
Operator: CEM

Column phase: .50um DB-5ms

Column diameter: 0,25

85 Chrysene

Concentration: 2639 ug/Kg



Date : 27-JUN-2014 15:24

Client ID: MBLCS

Instrument: 50MSS3.i

Sample Info: 1117088

Volume Injected (uL): 1.0

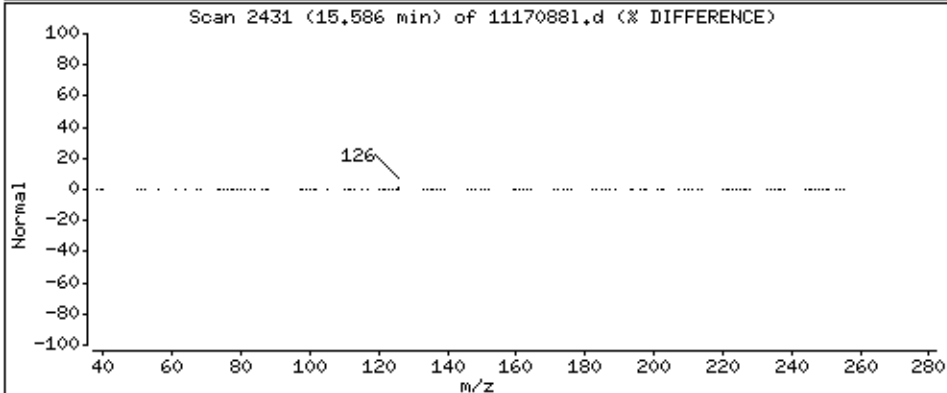
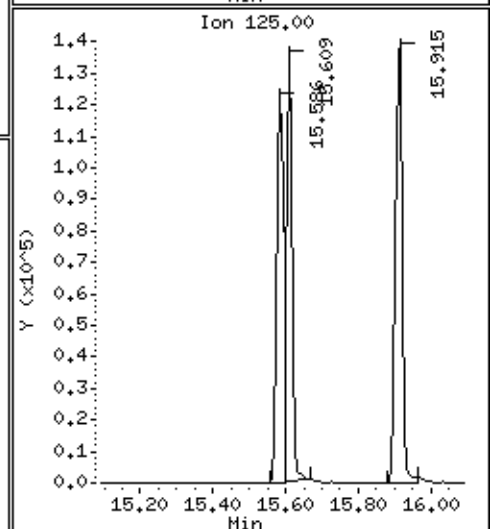
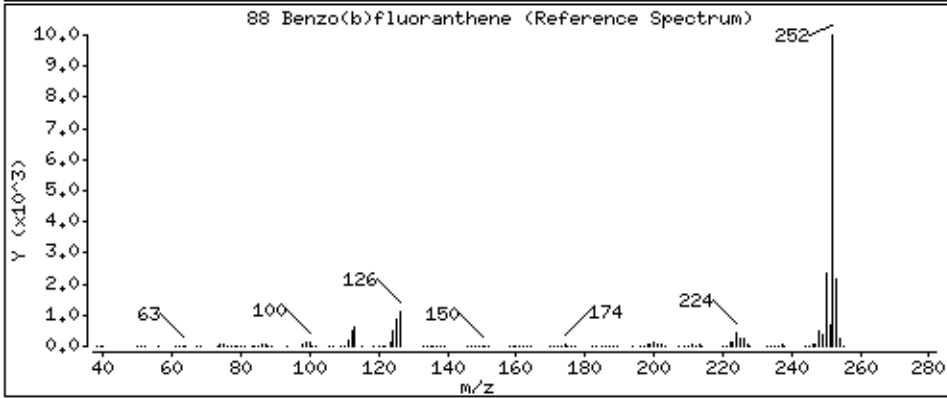
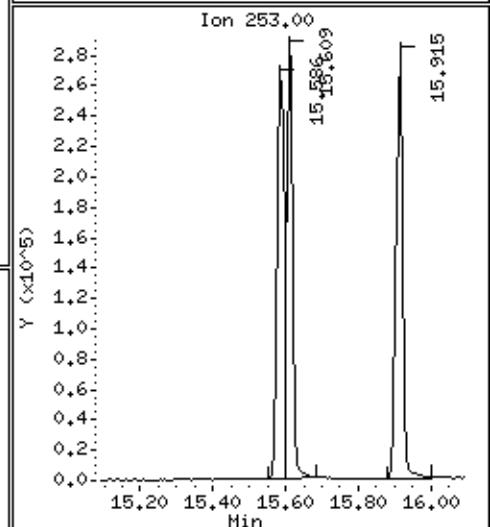
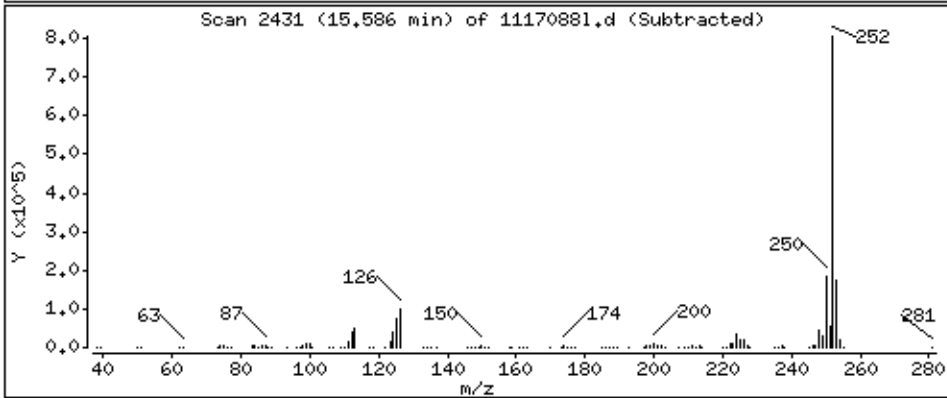
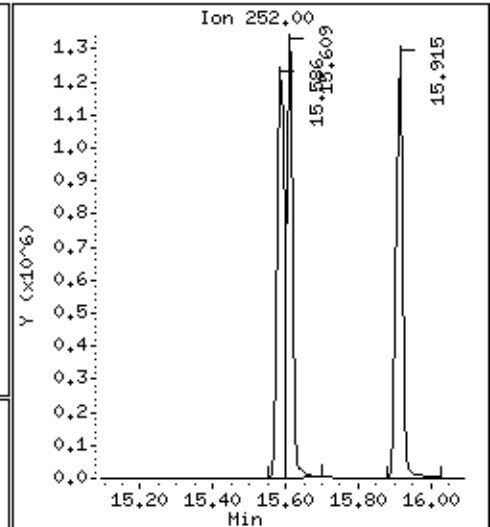
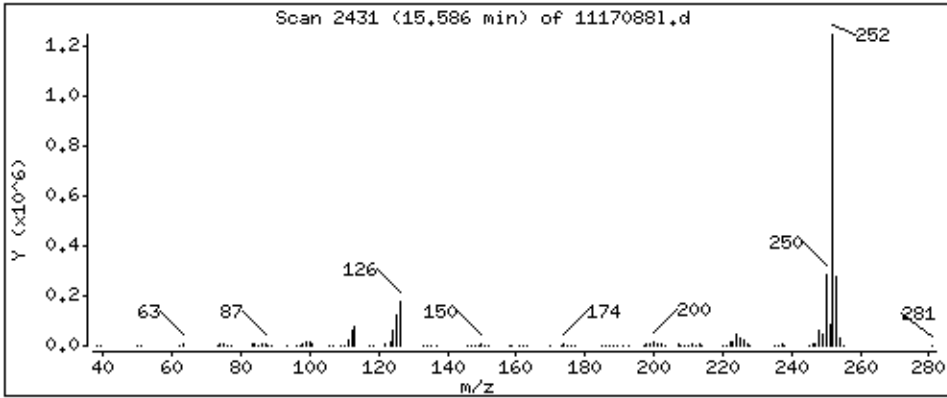
Operator: CEM

Column phase: .50um DB-5ms

Column diameter: 0,25

88 Benzo(b)fluoranthene

Concentration: 3415 ug/Kg



Date : 27-JUN-2014 15:24

Client ID: MBLCS

Instrument: 50MSS3.i

Sample Info: 1117088

Volume Injected (uL): 1.0

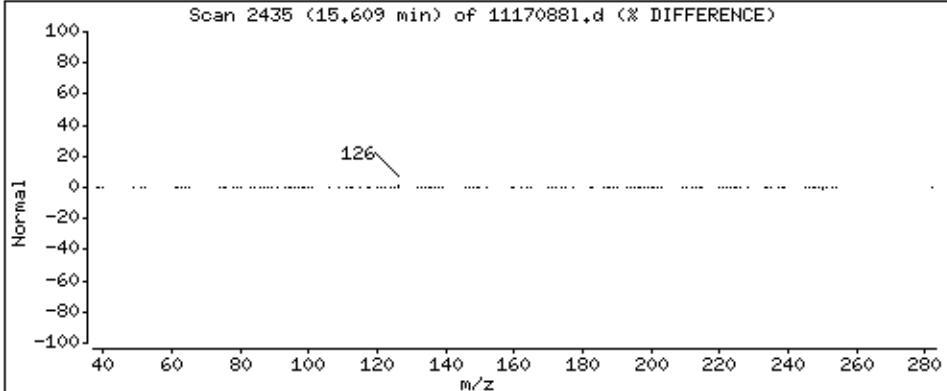
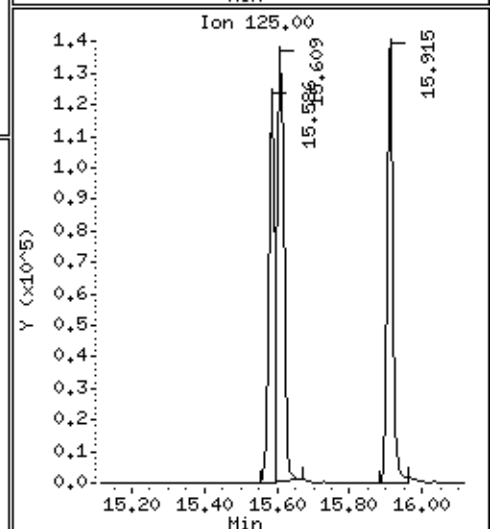
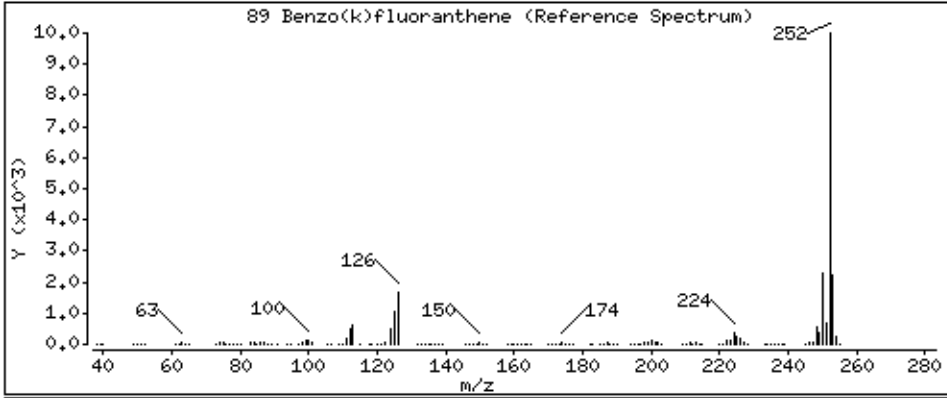
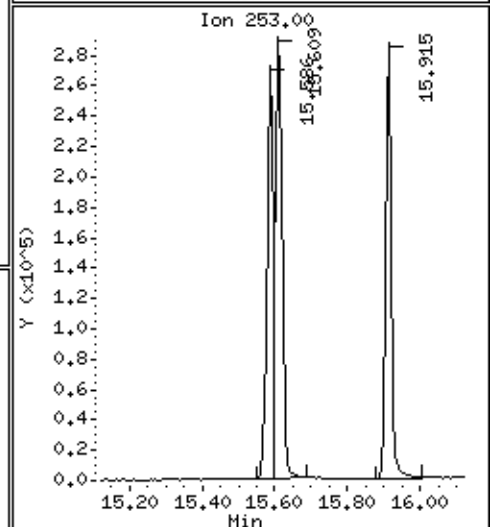
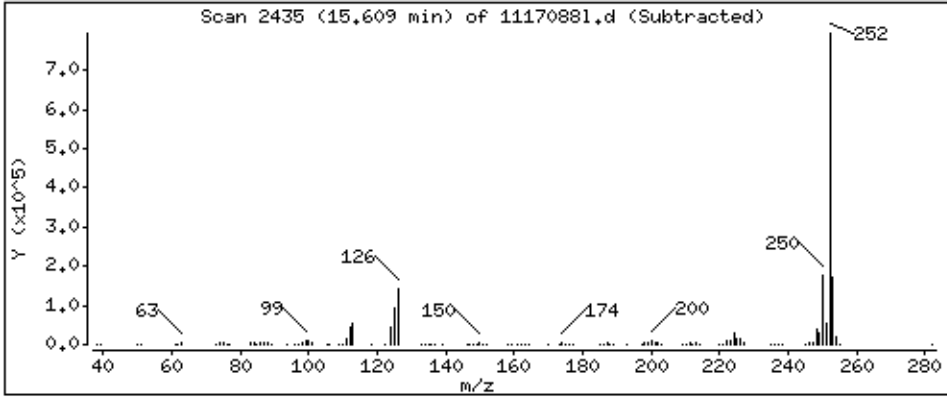
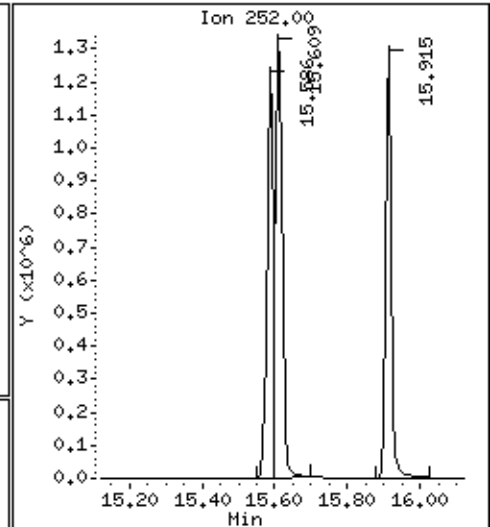
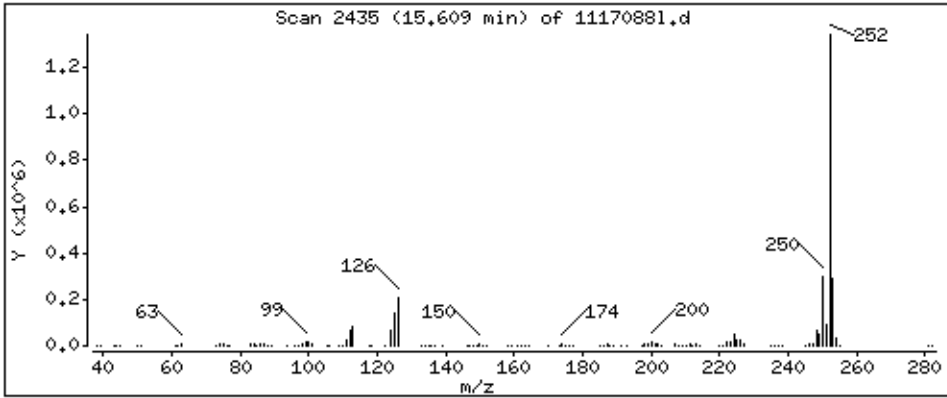
Operator: CEM

Column phase: .50um DB-5ms

Column diameter: 0,25

89 Benzo(k)fluoranthene

Concentration: 3584 ug/Kg



Date : 27-JUN-2014 15:24

Client ID: MBLCS

Instrument: 50MSS3.i

Sample Info: 1117088

Volume Injected (uL): 1.0

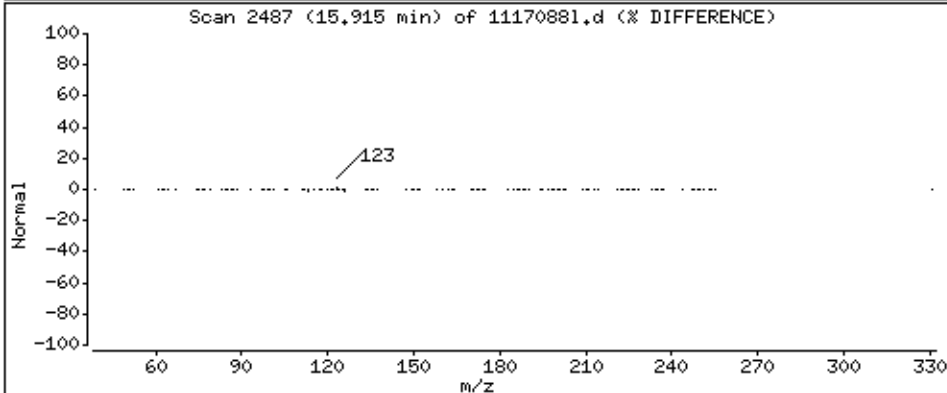
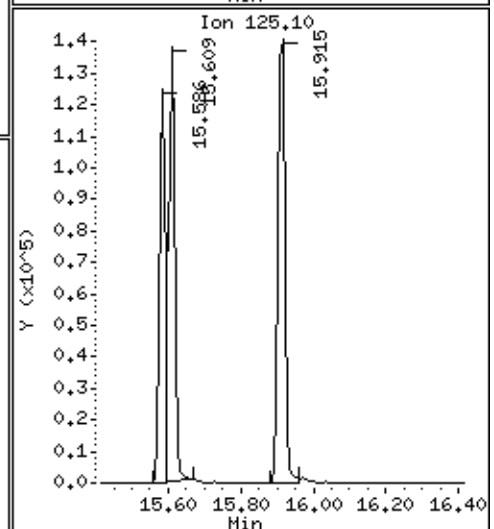
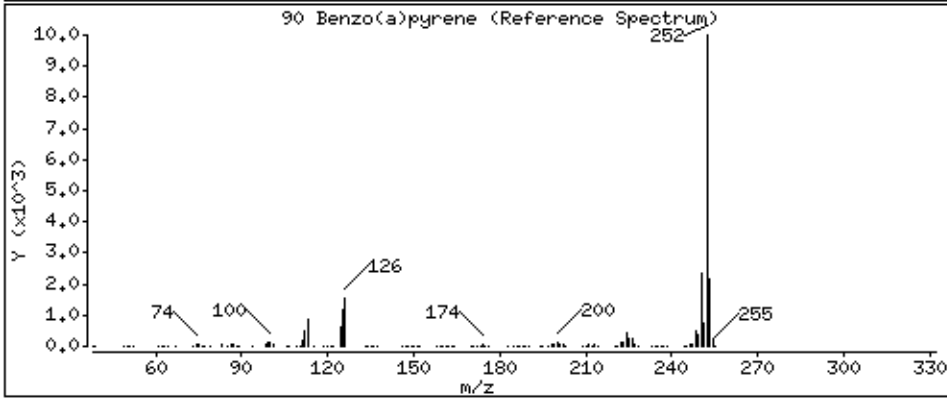
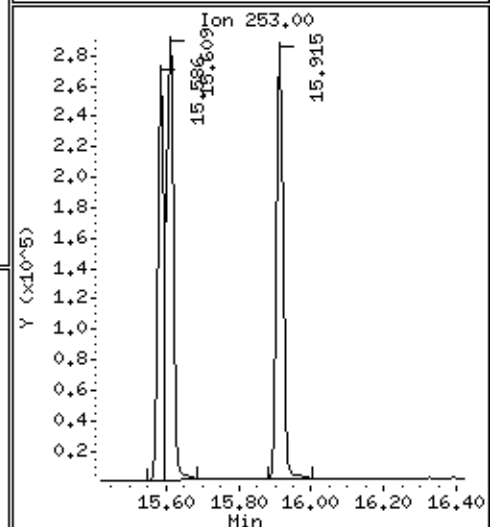
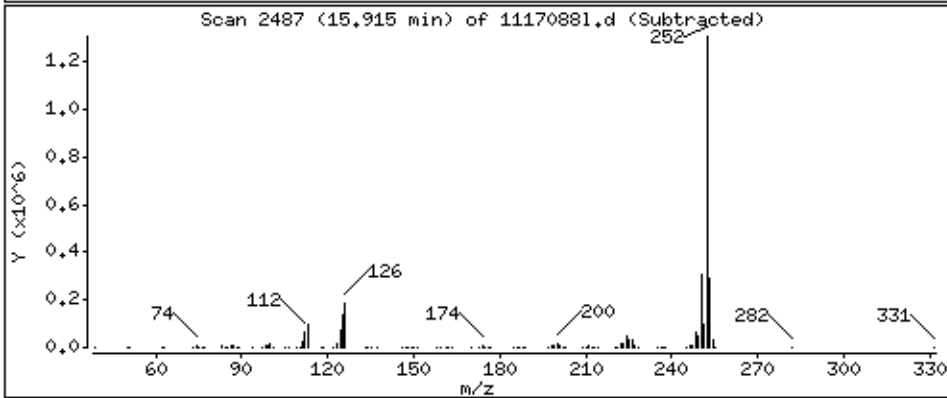
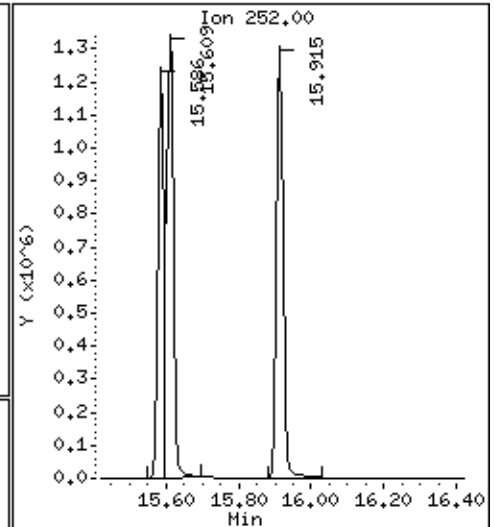
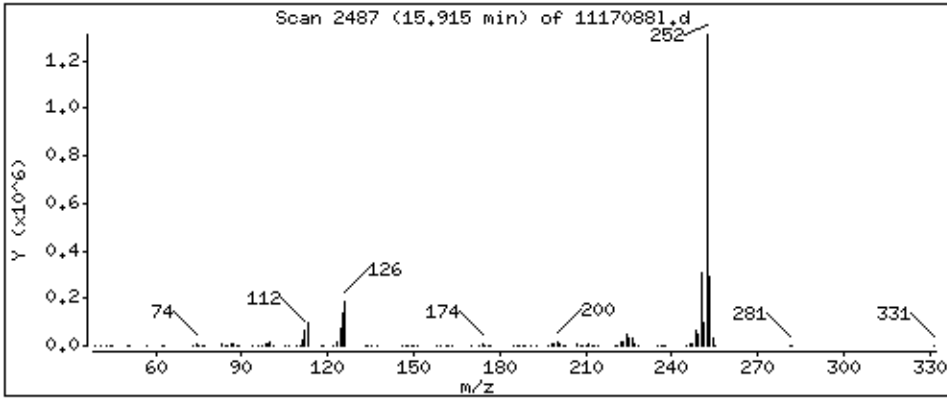
Operator: CEM

Column phase: .50um DB-5ms

Column diameter: 0,25

90 Benzo(a)pyrene

Concentration: 3709 ug/Kg



Date : 27-JUN-2014 15:24

Client ID: MBLCS

Instrument: 50MSS3.i

Sample Info: 1117088

Volume Injected (uL): 1.0

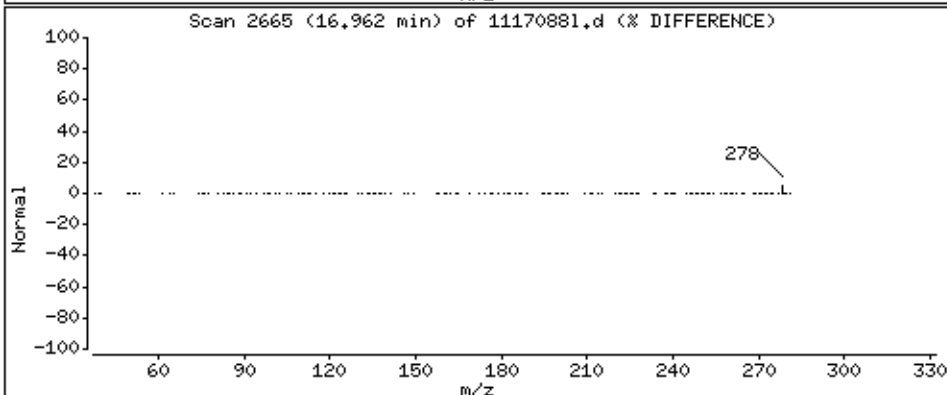
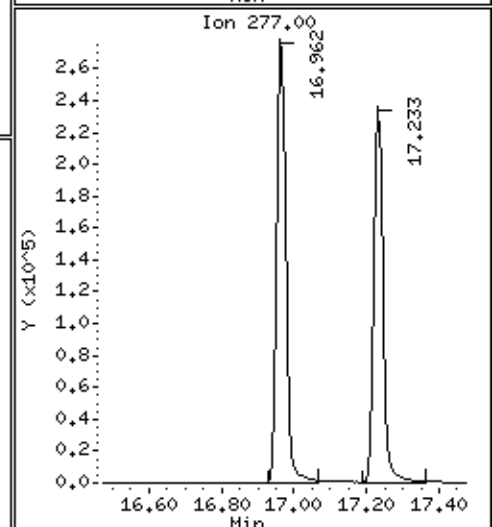
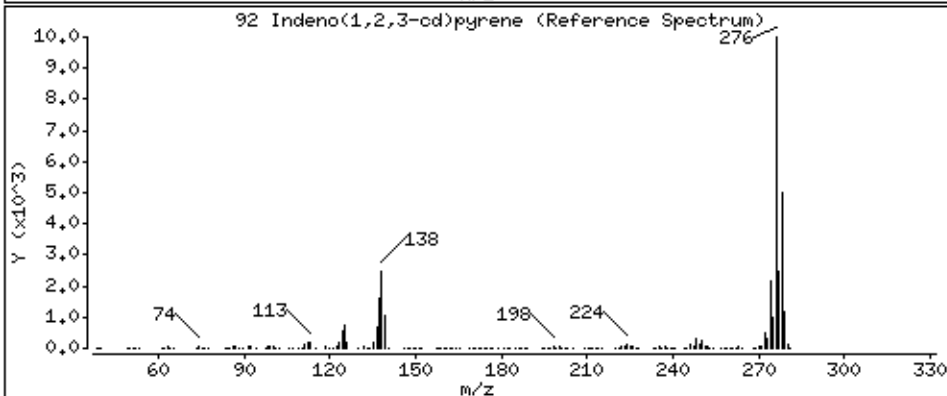
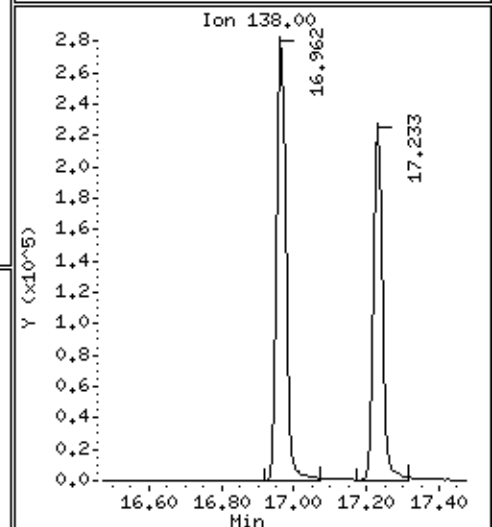
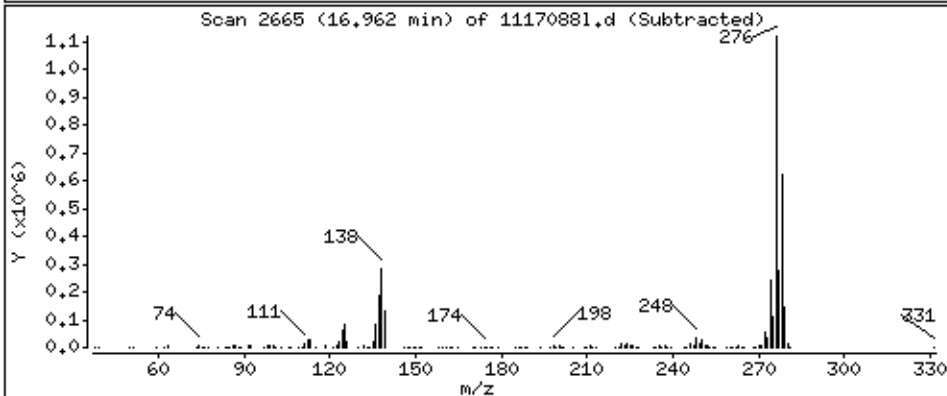
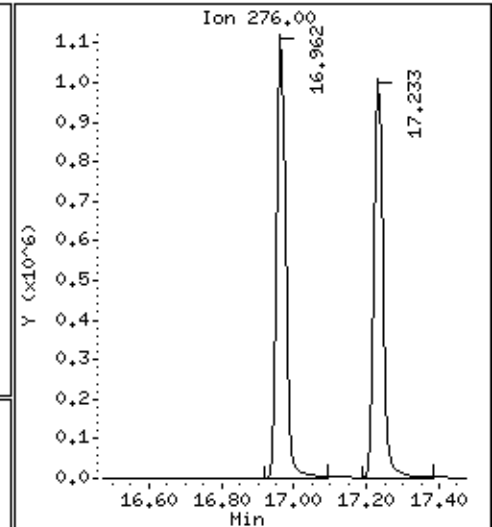
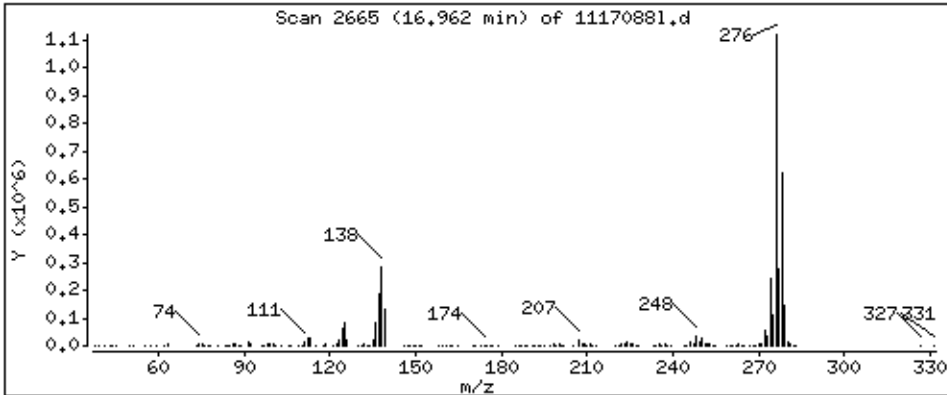
Operator: CEM

Column phase: .50um DB-5ms

Column diameter: 0,25

92 Indeno(1,2,3-cd)pyrene

Concentration: 3663 ug/Kg



Date : 27-JUN-2014 15:24

Client ID: MBLCS

Instrument: 50MSS3.i

Sample Info: 1117088

Volume Injected (uL): 1.0

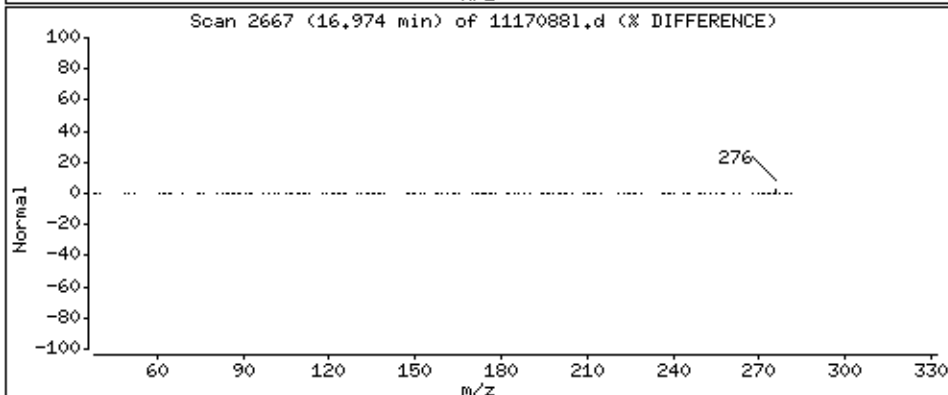
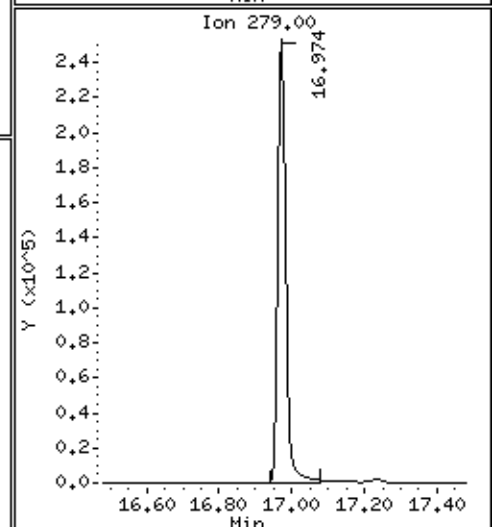
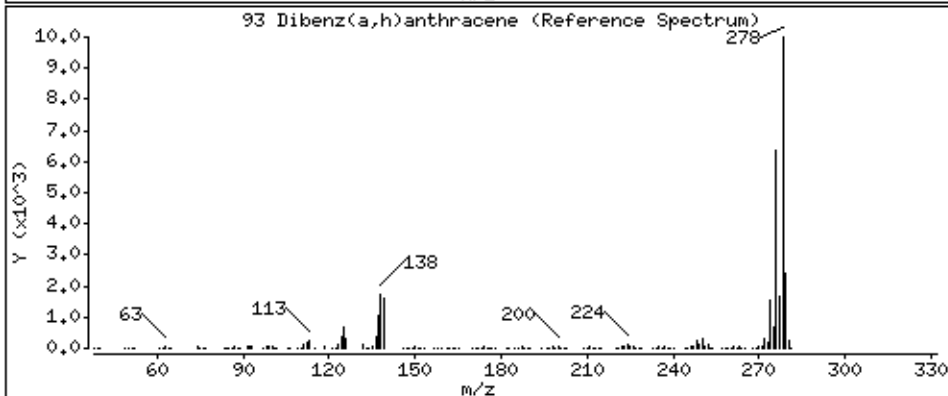
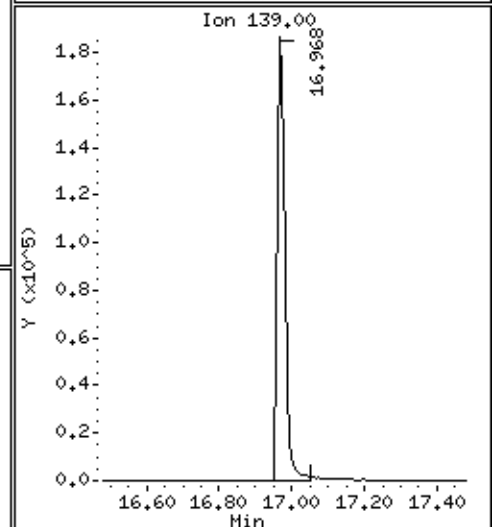
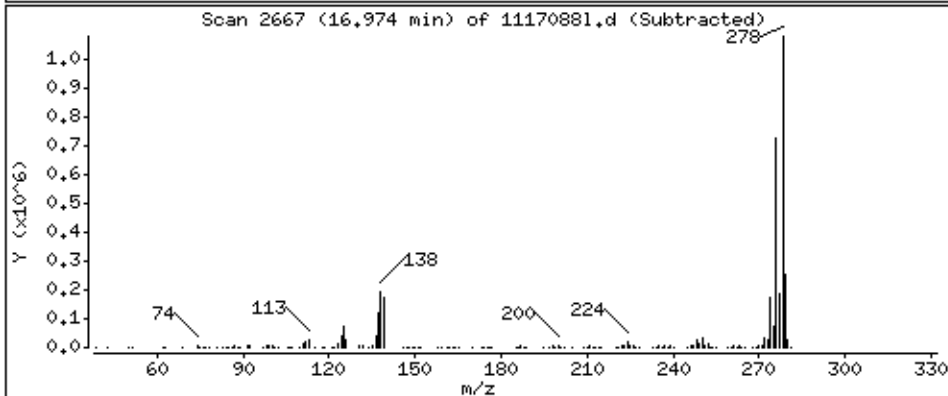
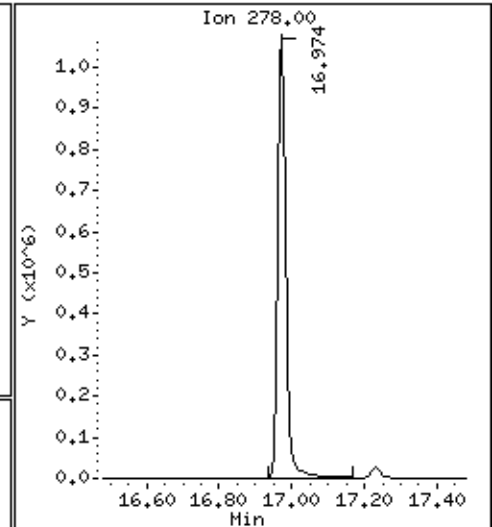
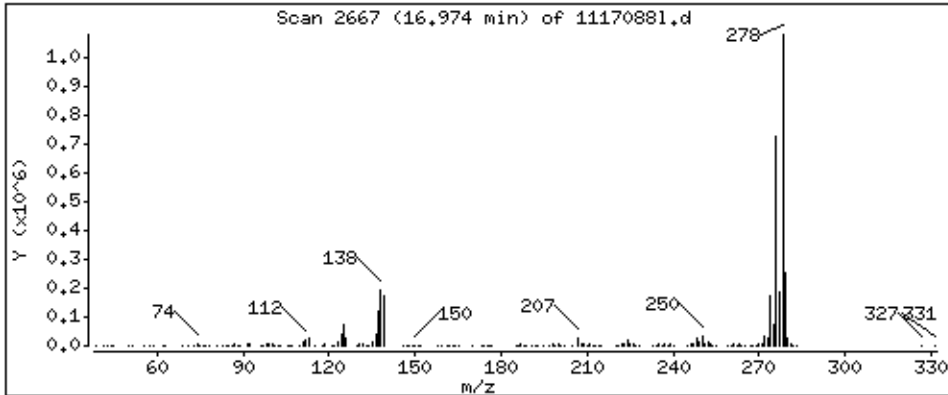
Operator: CEM

Column phase: .50um DB-5ms

Column diameter: 0,25

93 Dibenz(a,h)anthracene

Concentration: 3788 ug/Kg



Date : 27-JUN-2014 15:24

Client ID: MBLCS

Instrument: 50MSS3.i

Sample Info: 1117088

Volume Injected (uL): 1.0

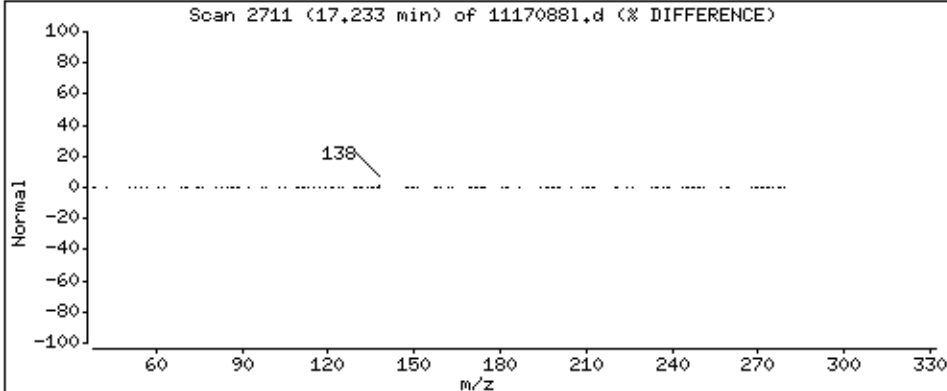
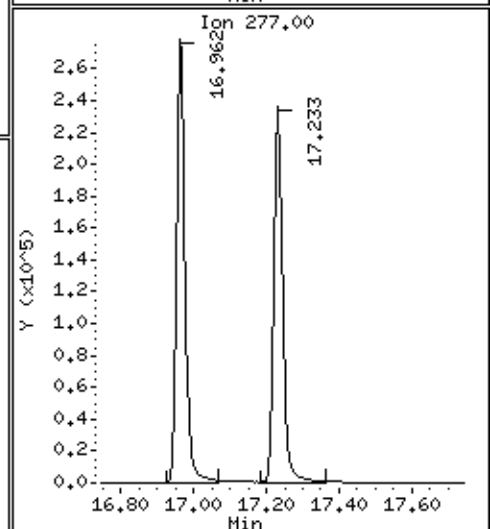
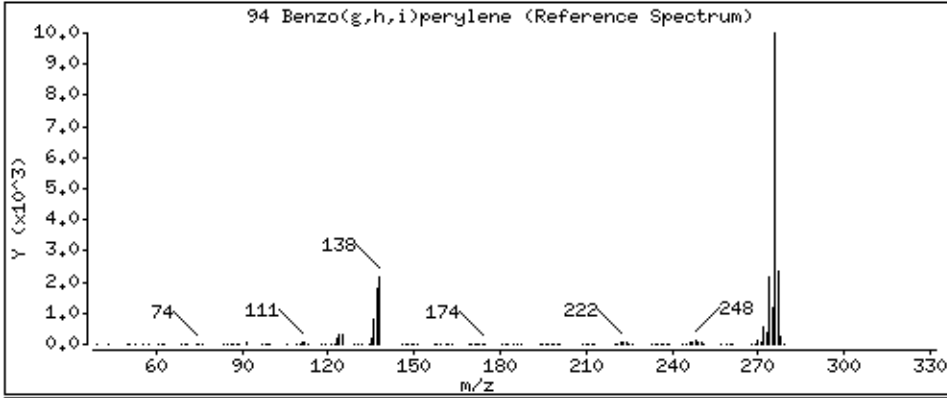
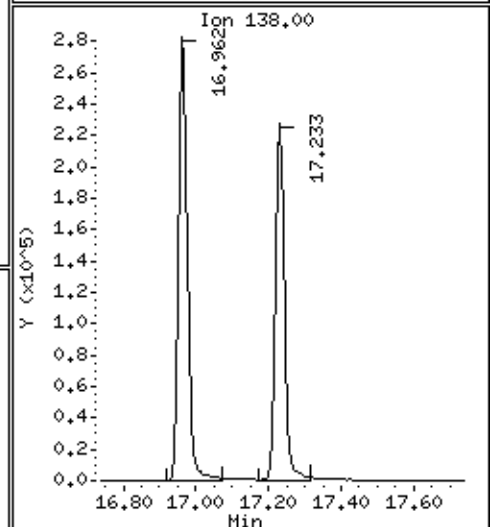
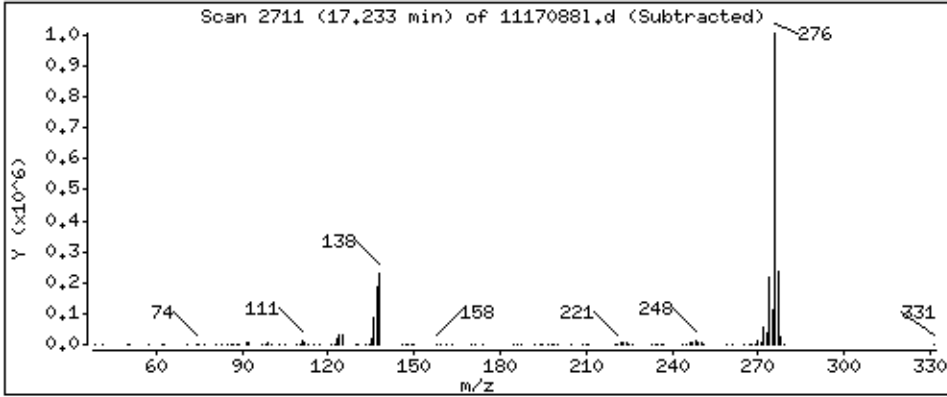
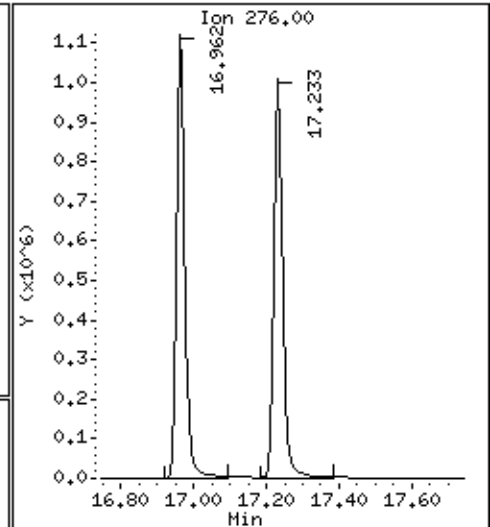
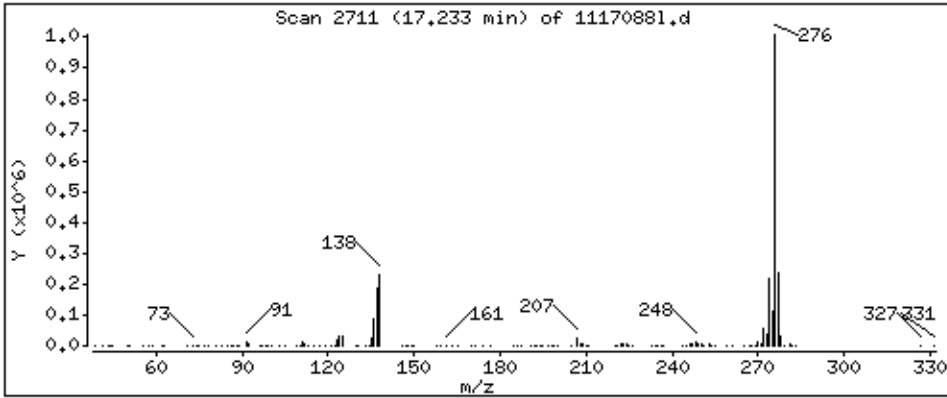
Operator: CEM

Column phase: .50um DB-5ms

Column diameter: 0,25

94 Benzo(g,h,i)perylene

Concentration: 3727 ug/Kg



MSSV FULL SCAN - FORM I SVOA-1
SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

MS

Lab Name: Pace Analytical - Indiana
Date Received: 06/21/2014 10:54
Date Extracted: 06/25/2014 12:30
Date Analyzed: 06/27/2014 17:44
Initial wt/vol: 30.4 g Final wt/vol: 1 mL Dilution: 1

Contract: Sibley-Accucast/2339-356-03-00
Matrix: Solid SDG No.: 5099688
Lab Sample ID: 1117089
Lab File ID: 062714.B\1117089M.D
Instrument: 50MSS3 Percent Moisture: 4.7%

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
83-32-9	Acenaphthene	2670	
208-96-8	Acenaphthylene	2770	
120-12-7	Anthracene	2840	
56-55-3	Benzo(a)anthracene	2730	
50-32-8	Benzo(a)pyrene	3950	
205-99-2	Benzo(b)fluoranthene	3560	
191-24-2	Benzo(g,h,i)perylene	3750	
207-08-9	Benzo(k)fluoranthene	3960	
59-50-7	4-Chloro-3-methylphenol	2780	
95-57-8	2-Chlorophenol	2610	
218-01-9	Chrysene	2790	
53-70-3	Dibenz(a,h)anthracene	3840	
121-14-2	2,4-Dinitrotoluene	2640	
206-44-0	Fluoranthene	2880	
86-73-7	Fluorene	2940	
193-39-5	Indeno(1,2,3-cd)pyrene	3750	
91-57-6	2-Methylnaphthalene	2620	
91-20-3	Naphthalene	2490	
100-02-7	4-Nitrophenol	2730	
621-64-7	N-Nitroso-di-n-propylamine	2690	
87-86-5	Pentachlorophenol	2490	
85-01-8	Phenanthrene	2770	
108-95-2	Phenol	2700	
129-00-0	Pyrene	2920	

07/21/2014 12:56

Pace Analytical Services, Inc.

Semivolatile REPORT SW-846 Method 8270/EPA 625

Data file : \\192.168.50.6\chem\50MSS3.i\062714.b\1117089m.d
 Lab Smp Id: 1117089 Client Smp ID: TMW-5(12-14)MS
 Inj Date : 27-JUN-2014 17:44
 Operator : CEM Inst ID: 50MSS3.i
 Smp Info : 1117089
 Misc Info : 15583
 Comment :
 Method : \\192.168.50.6\chem\50MSS3.i\062714.b\8270c.m
 Meth Date : 30-Jun-2014 13:19 50MSS3.i Quant Type: ISTD
 Cal Date : 10-JUN-2014 12:11 Cal File: 100ppm.d
 Als bottle: 14 QC Sample: MS
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: most.sub
 Target Version: 4.14
 Processing Host: 50-SVOA-SN

Concentration Formula: Amt * DF * Uf * Vt / (Vi * Ws * (100 - M) / 100) * CpndV

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vt	1000.000	Volume of final extract (uL)
Vi	1.000	Volume Injected (uL)
Ws	30.400	Weight of sample extracted (g)
M	4.708	% Moisture
Cpnd Variable		Local Compound Variable

Compounds	QUANT	SIG	CONCENTRATIONS				
			ON-COLUMN	FINAL			
	MASS	RT	EXP RT	REL RT	RESPONSE	(ug/ml)	(ug/Kg)
\$ 3 2-Fluorophenol (S)	112	3.386	3.380	(0.730)	248693	75.3792	2602
\$ 7 Phenol-d5 (S)	99	4.410	4.404	(0.951)	320789	78.2002	2699
8 Phenol	94	4.421	4.415	(0.953)	342136	78.2556	2701
9 2-Chlorophenol	128	4.480	4.474	(0.966)	298539	75.6599	2612
* 11 1,4-Dichlorobenzene-d4 (IS)	152	4.639	4.633	(1.000)	114882	40.0000	
12 1,4-Dichlorobenzene	146	4.657	4.657	(1.004)	313291	70.7002	2440
20 N-Nitroso-di-n-propylamine	70	5.198	5.198	(1.120)	182614	77.8667	2688
\$ 23 Nitrobenzene-d5 (S)	82	5.368	5.368	(0.824)	250233	72.9604	2518
30 1,2,4-Trichlorobenzene	180	6.451	6.451	(0.990)	279945	74.1932	2561
* 32 Naphthalene-d8 (IS)	136	6.515	6.515	(1.000)	469948	40.0000	
33 Naphthalene	128	6.551	6.557	(1.005)	857022	72.0408	2487
39 4-Chloro-3-methylphenol	107	8.139	8.139	(1.249)	252995	80.6618	2784
38 2-Methylnaphthalene	142	8.139	8.145	(1.249)	843247	75.9452	2622
40 1-Methylnaphthalene	142	8.362	8.362	(1.283)	549853	67.5330	2331
\$ 44 2-Fluorobiphenyl (S)	172	8.927	8.927	(0.903)	691406	76.0118	2624
51 Acenaphthylene	152	9.668	9.674	(0.978)	1013793	80.3381	2773
* 53 Acenaphthene-d10 (IS)	164	9.886	9.886	(1.000)	280496	40.0000	
54 Acenaphthene	153	9.927	9.927	(1.004)	623765	77.4141	2672
59 4-Nitrophenol	109	10.315	10.303	(1.043)	74709	79.1104	2731

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN (ug/ml)	FINAL (ug/Kg)
58 2,4-Dinitrotoluene	165	10.250	10.250	(1.037)	205219	76.5931	2644
61 Fluorene	166	10.556	10.562	(1.068)	760040	85.1459	2939
\$ 67 2,4,6-Tribromophenol (S)	330	10.886	10.886	(0.939)	138856	85.3752	2947
71 Pentachlorophenol	266	11.509	11.503	(0.992)	144587	72.2648	2494
* 72 Phenanthrene-d10 (IS)	188	11.597	11.597	(1.000)	517562	40.0000	
73 Phenanthrene	178	11.621	11.627	(1.002)	1143217	80.2973	2772
74 Anthracene	178	11.668	11.674	(1.006)	1174811	82.1745	2837
77 Fluoranthene	202	12.856	12.856	(1.109)	1314318	83.4322	2880
79 Pyrene	202	13.080	13.080	(1.128)	1383279	84.6933	2924
\$ 80 p-Terphenyl-d14 (S)	244	13.250	13.256	(1.143)	1064652	98.7179	3408
82 Benzo(a)anthracene	228	14.344	14.350	(0.998)	1483842	78.9924	2727
* 84 Chrysene-d12 (IS)	240	14.368	14.368	(1.000)	700594	40.0000	
85 Chrysene	228	14.397	14.403	(1.002)	1447433	80.7886	2789
88 Benzo(b)fluoranthene	252	15.585	15.591	(0.976)	1535419	103.215	3563 (R)
89 Benzo(k)fluoranthene	252	15.615	15.621	(0.978)	1861159	114.577	3955 (R)
90 Benzo(a)pyrene	252	15.915	15.921	(0.997)	1565347	114.375	3948 (R)
* 91 Perylene-d12 (IS)	264	15.968	15.974	(1.000)	494620	40.0000	
92 Indeno(1,2,3-cd)pyrene	276	16.968	16.973	(1.063)	1836175	108.569	3748 (R)
93 Dibenz(a,h)anthracene	278	16.973	16.979	(1.063)	1535106	111.175	3838 (R)
94 Benzo(g,h,i)perylene	276	17.232	17.244	(1.079)	1589988	108.571	3748 (R)

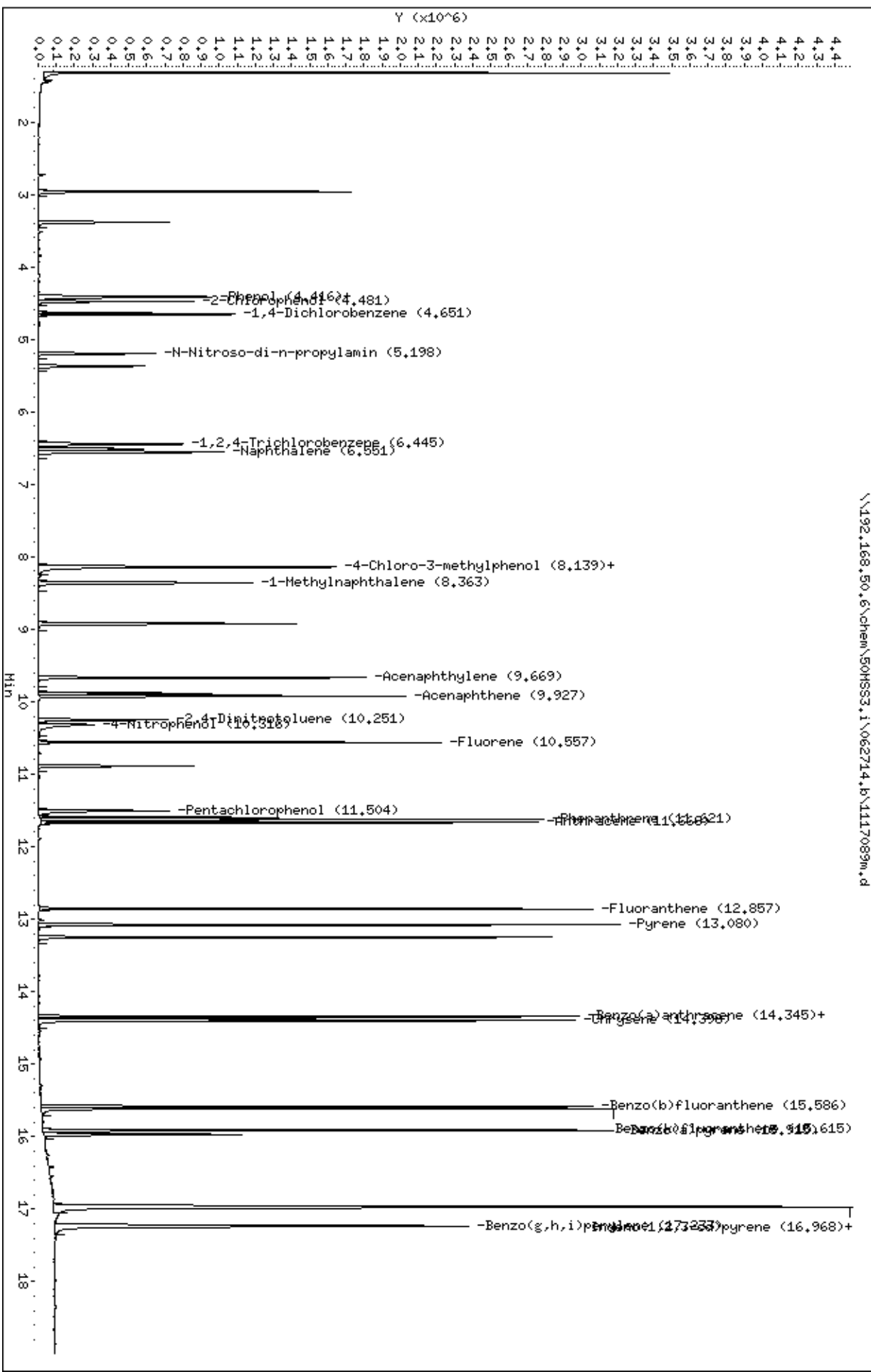
QC Flag Legend

R - Spike/Surrogate failed recovery limits.

Data File: \\192.168.50.6\chem\50HSS3.1\062714.b\1117089m.d
 Date: 27-JUN-2014 17:44
 Client ID: TMM-5(12-14)MS
 Sample Info: 1117089
 Volume Injected (uL): 1.0
 Column phase: 50um DB-5ms

Instrument: 50HSS3.1
 Operator: CEH
 Column diameter: 0.25

\\192.168.50.6\chem\50HSS3.1\062714.b\1117089m.d



Date : 27-JUN-2014 17:44

Client ID: THW-5(12-14)MS

Instrument: 50MSS3.i

Sample Info: 1117089

Volume Injected (uL): 1.0

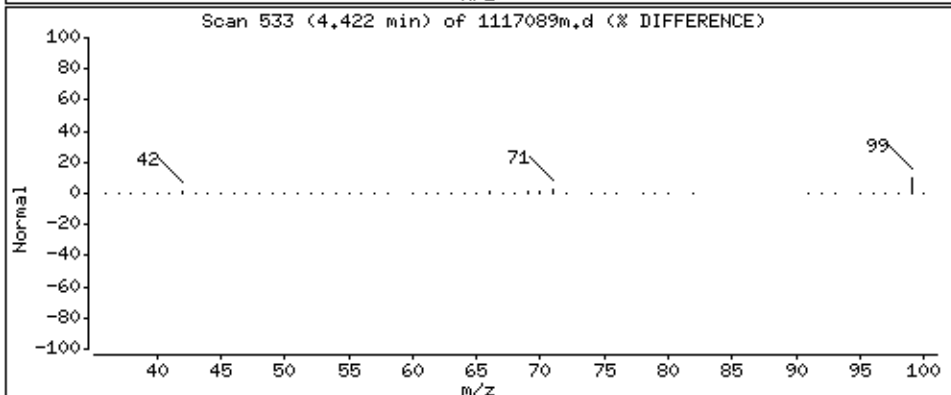
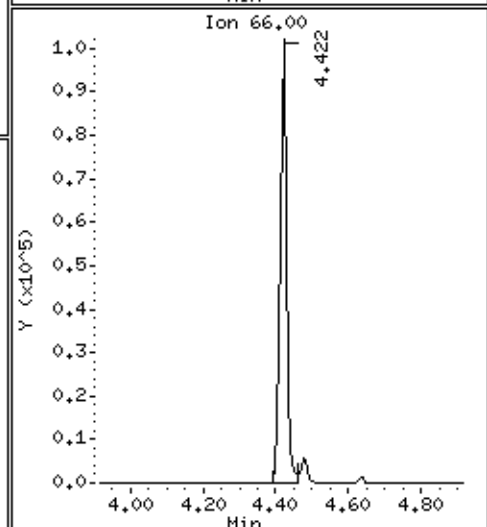
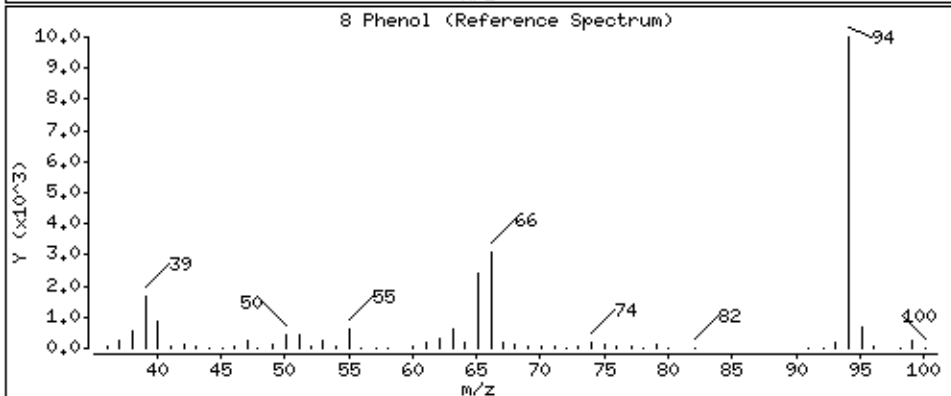
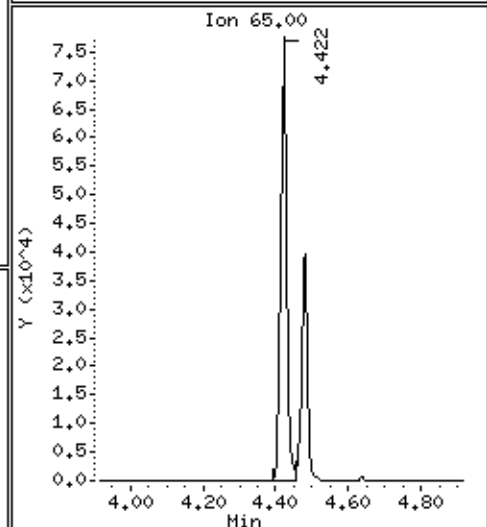
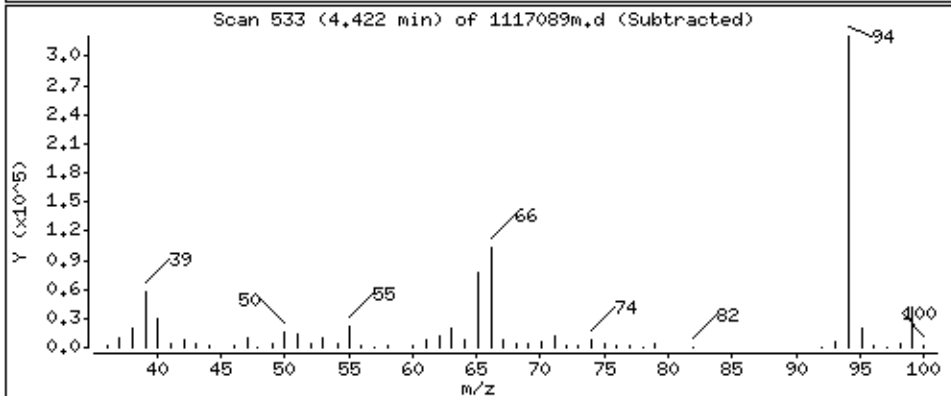
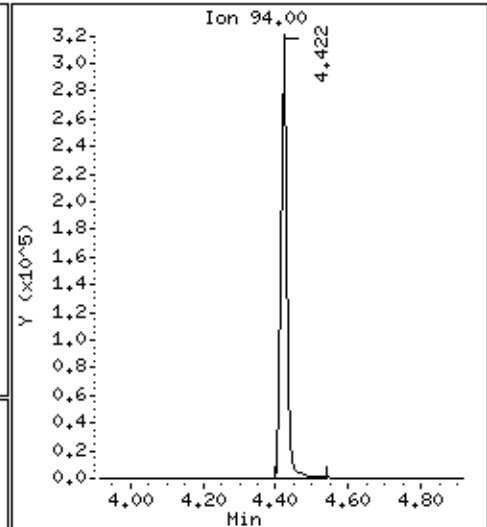
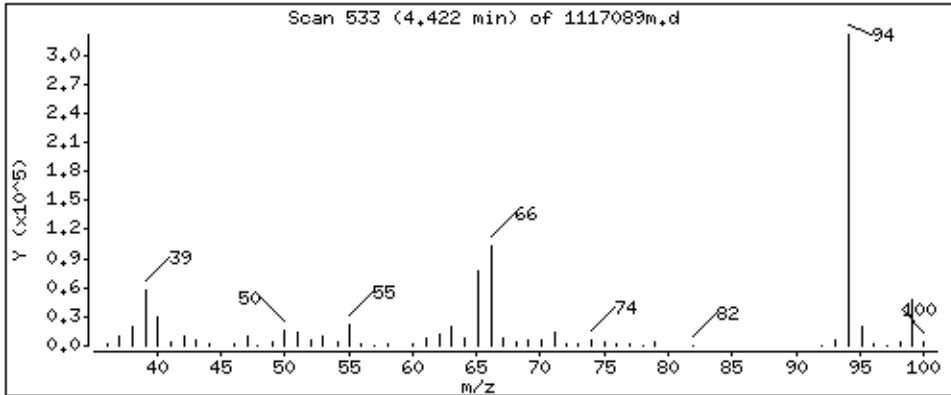
Operator: CEM

Column phase: .50um DB-5ms

Column diameter: 0,25

8 Phenol

Concentration: 2701 ug/Kg



Date : 27-JUN-2014 17:44

Client ID: THW-5(12-14)MS

Instrument: 50MSS3.i

Sample Info: 1117089

Volume Injected (uL): 1.0

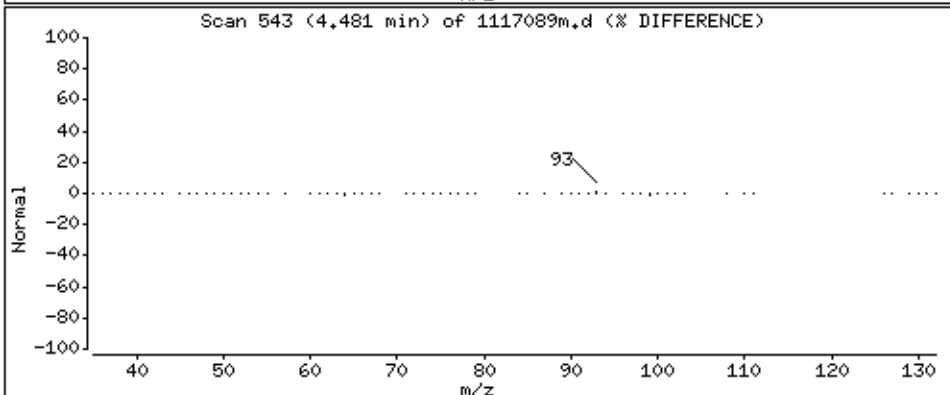
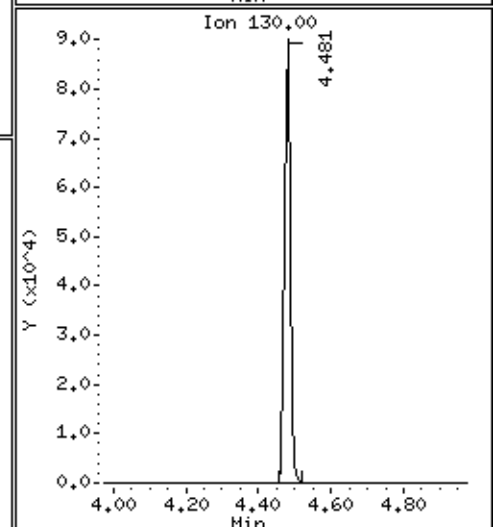
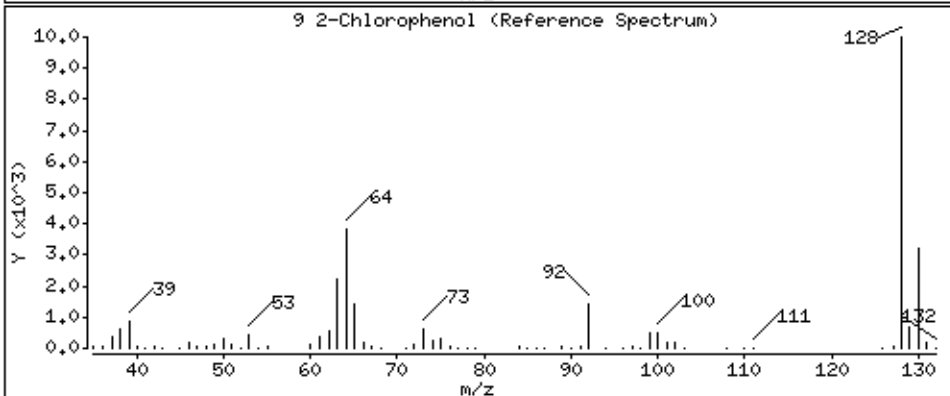
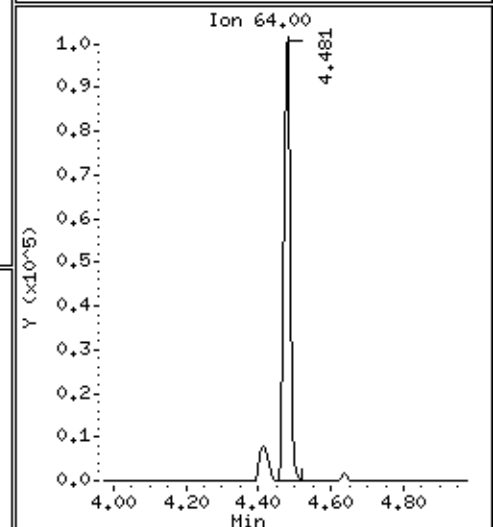
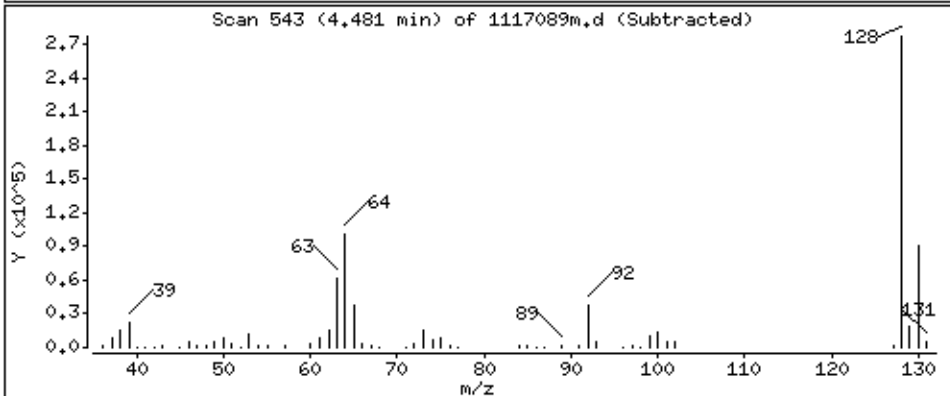
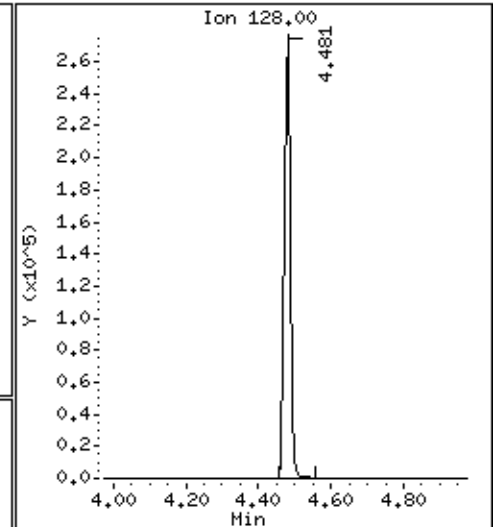
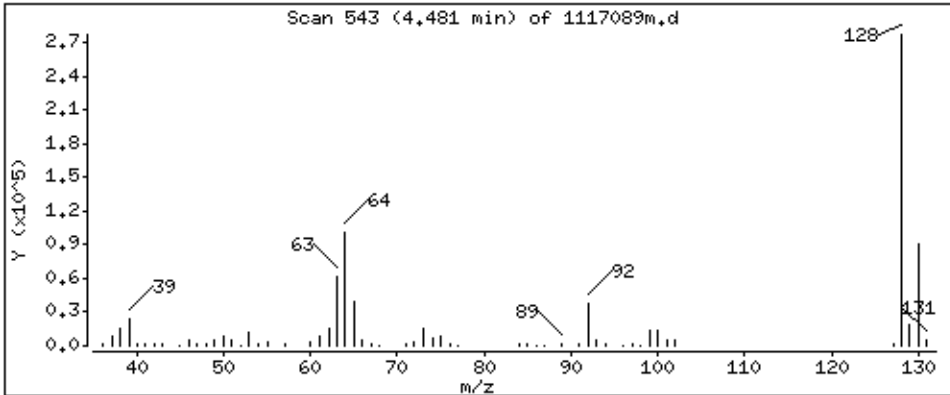
Operator: CEM

Column phase: .50um DB-5ms

Column diameter: 0,25

9 2-Chlorophenol

Concentration: 2612 ug/Kg



Date : 27-JUN-2014 17:44

Client ID: THW-5(12-14)MS

Instrument: 50MSS3.i

Sample Info: 1117089

Volume Injected (uL): 1.0

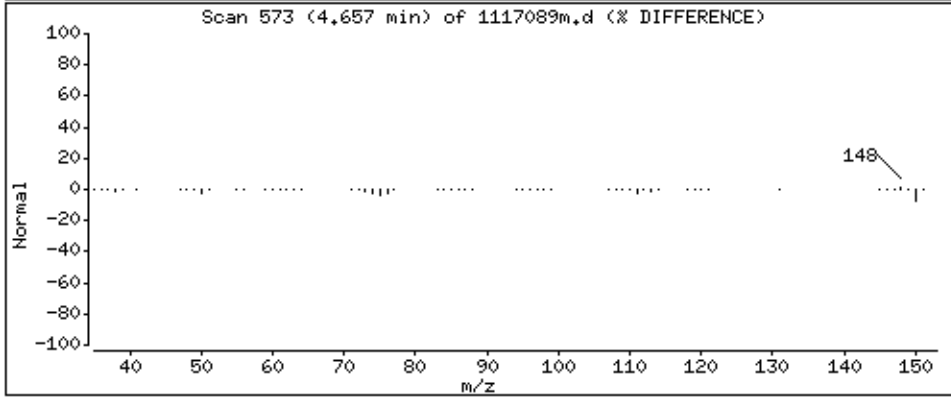
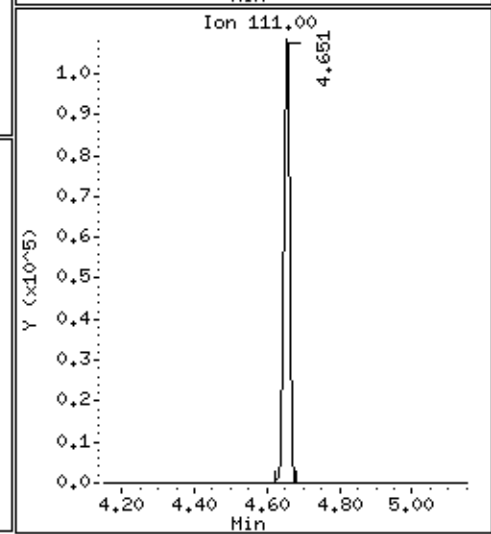
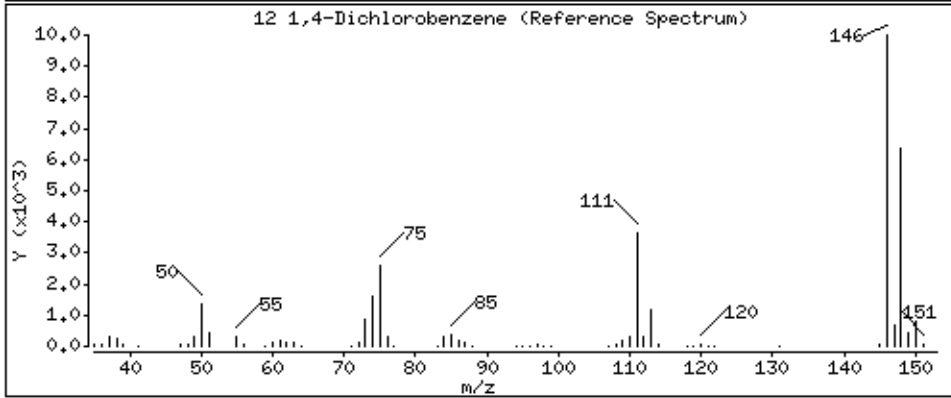
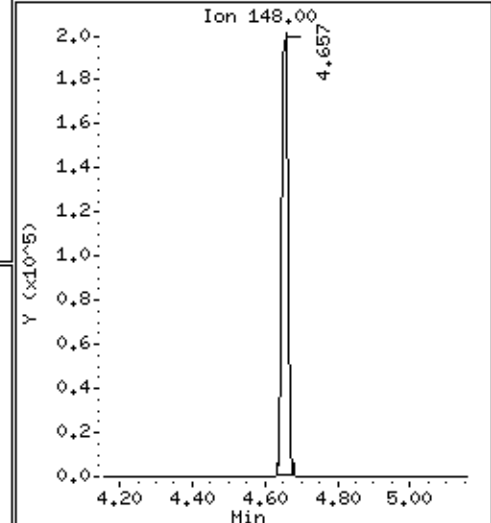
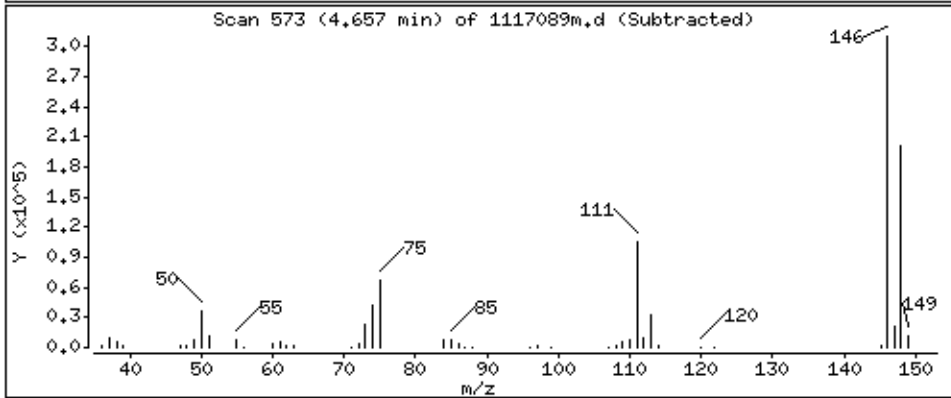
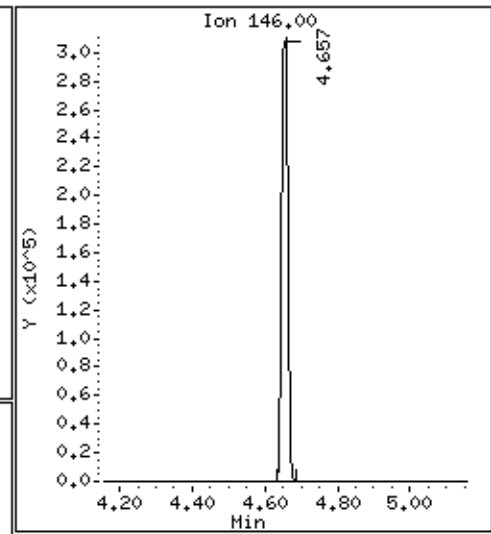
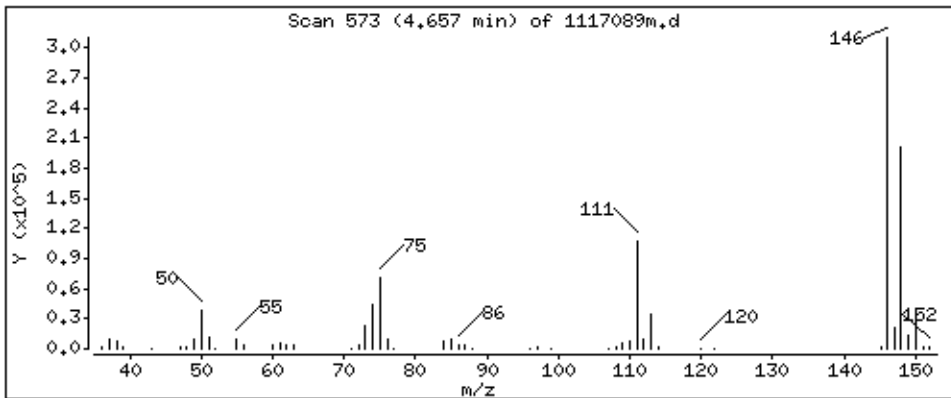
Operator: CEM

Column phase: .50um DB-5ms

Column diameter: 0,25

12 1,4-Dichlorobenzene

Concentration: 2440 ug/Kg



Date : 27-JUN-2014 17:44

Client ID: THW-5(12-14)MS

Instrument: 50MSS3.i

Sample Info: 1117089

Volume Injected (uL): 1.0

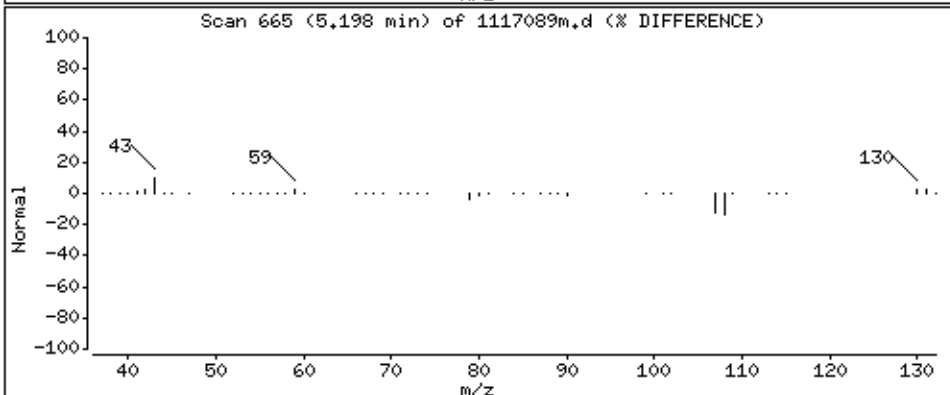
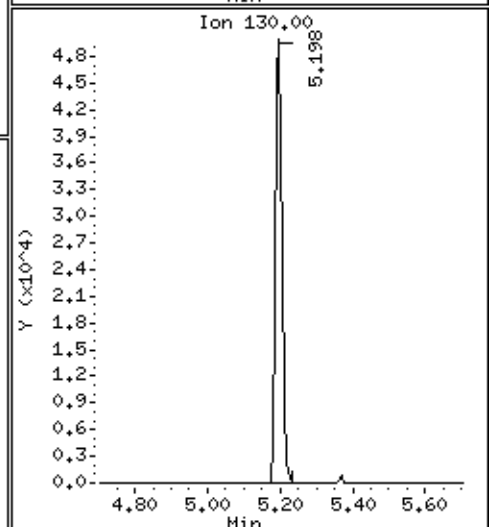
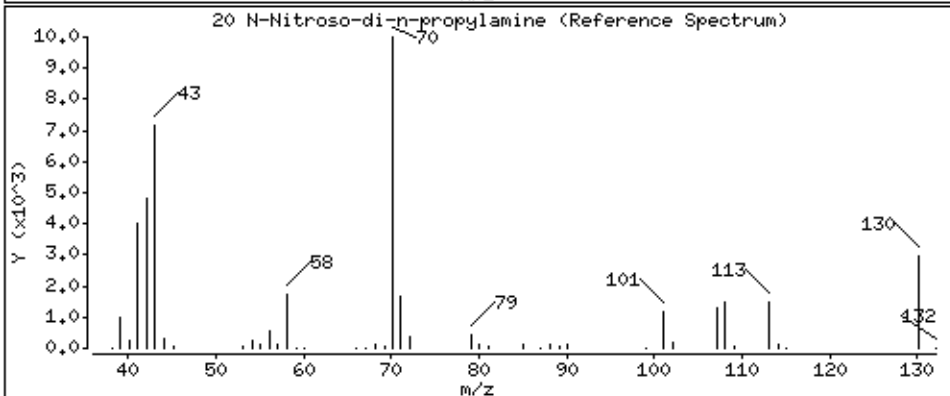
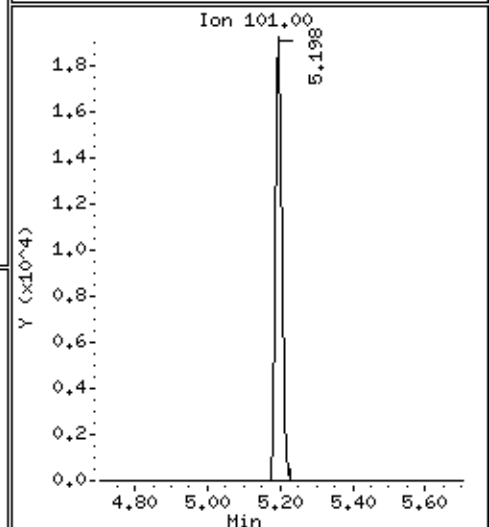
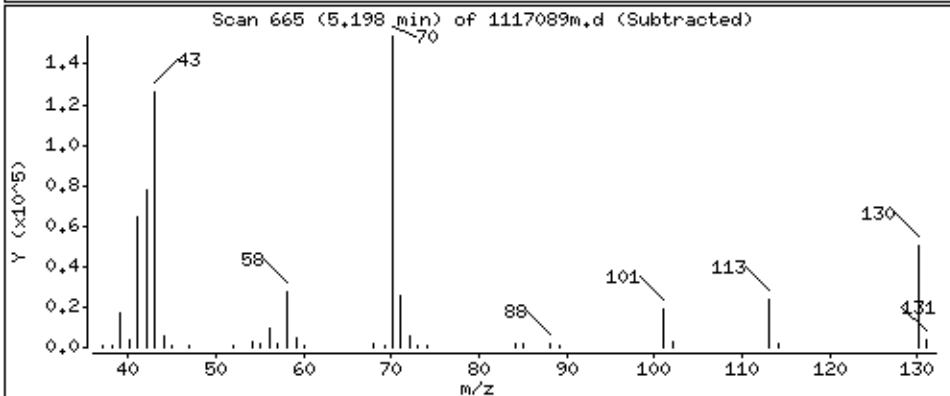
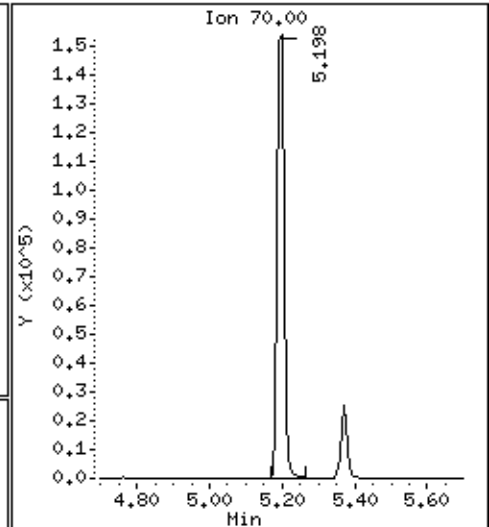
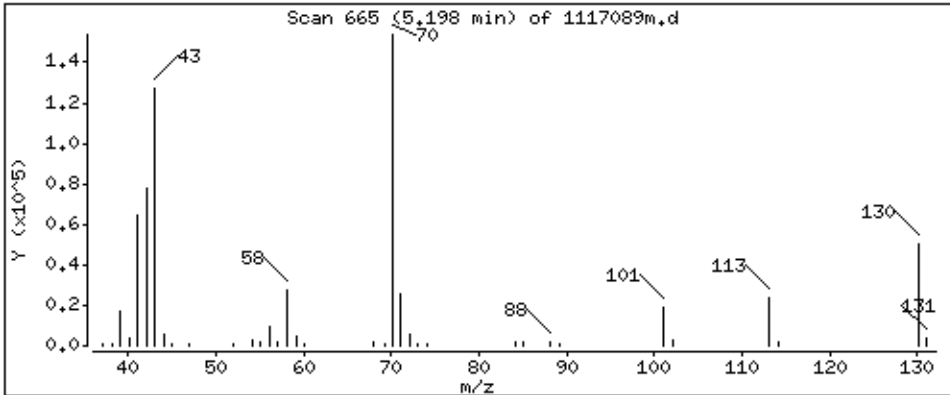
Operator: CEM

Column phase: .50um DB-5ms

Column diameter: 0,25

20 N-Nitroso-di-n-propylamine

Concentration: 2688 ug/Kg



Date : 27-JUN-2014 17:44

Client ID: THW-5(12-14)MS

Instrument: 50MSS3.i

Sample Info: 1117089

Volume Injected (uL): 1.0

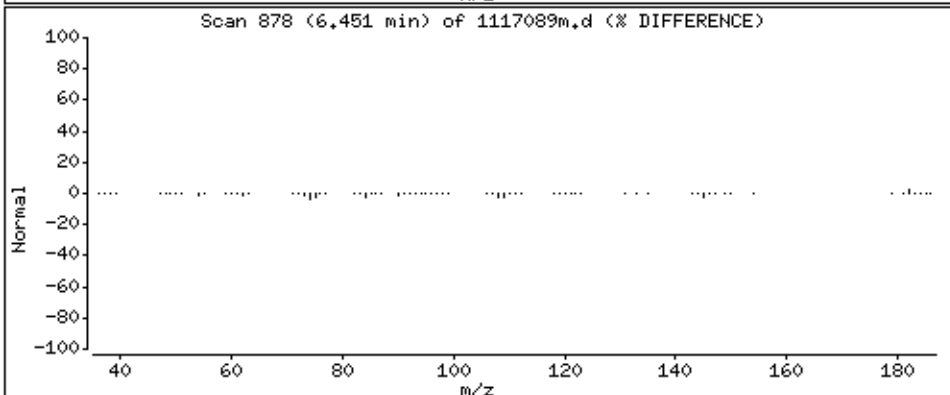
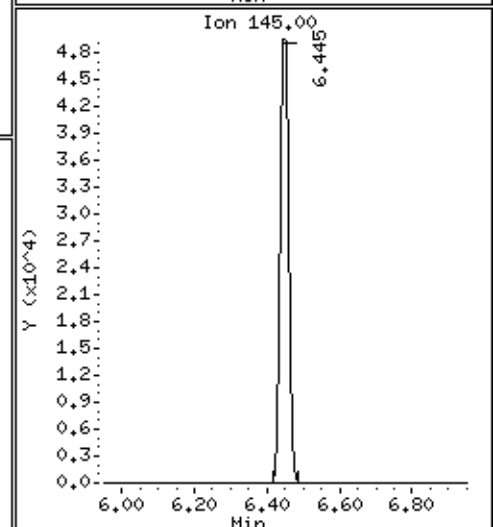
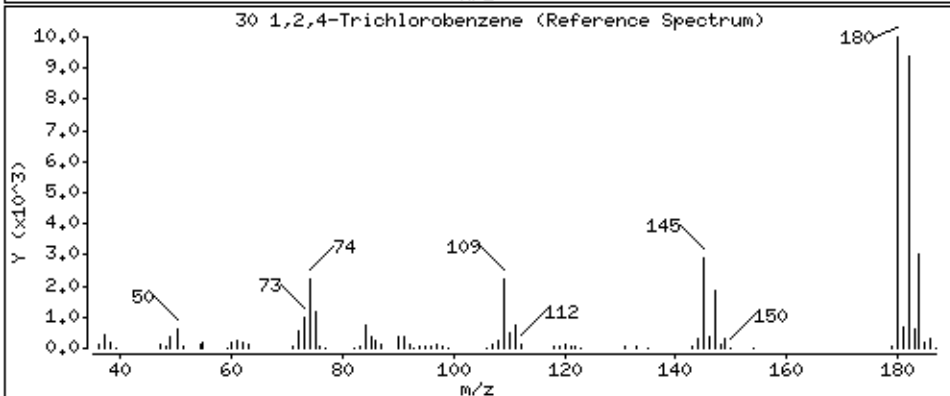
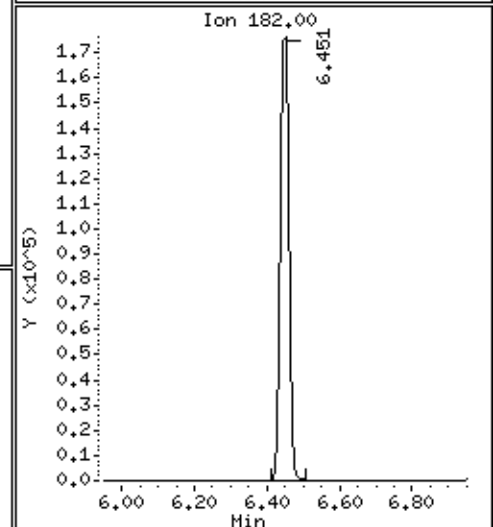
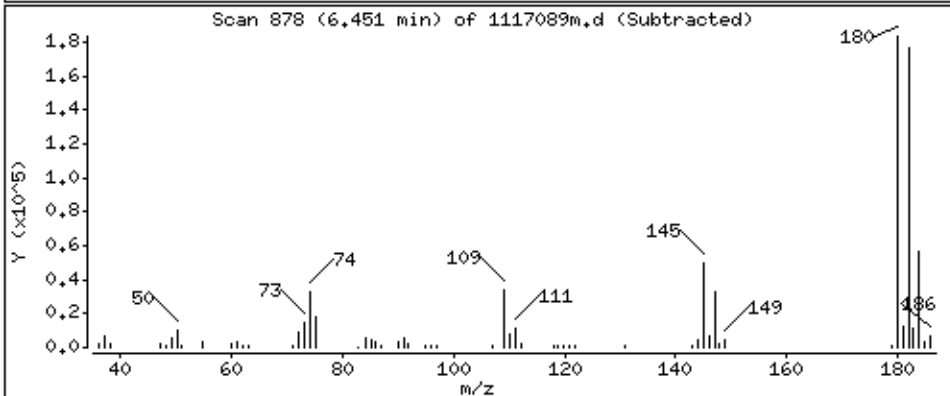
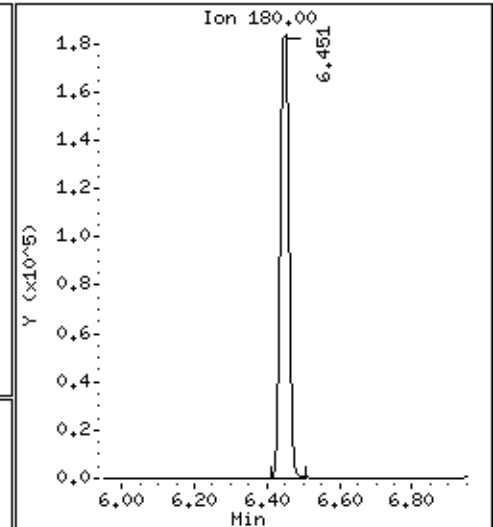
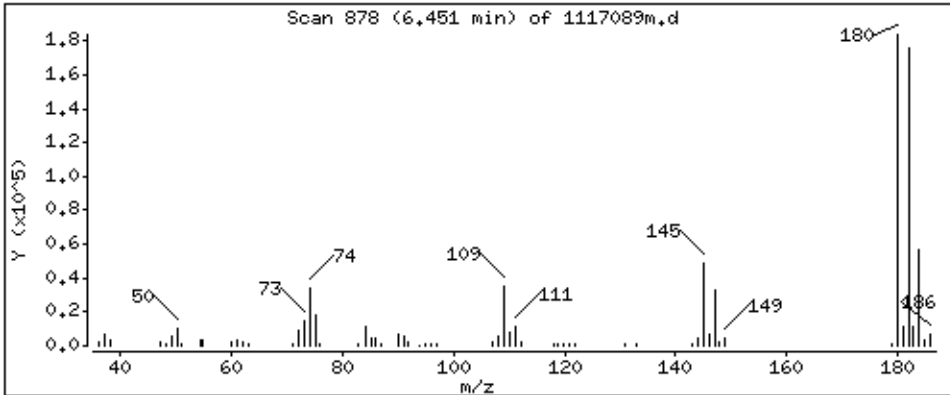
Operator: CEM

Column phase: .50um DB-5ms

Column diameter: 0,25

30 1,2,4-Trichlorobenzene

Concentration: 2561 ug/Kg



Date : 27-JUN-2014 17:44

Client ID: THW-5(12-14)MS

Instrument: 50MSS3.i

Sample Info: 1117089

Volume Injected (uL): 1.0

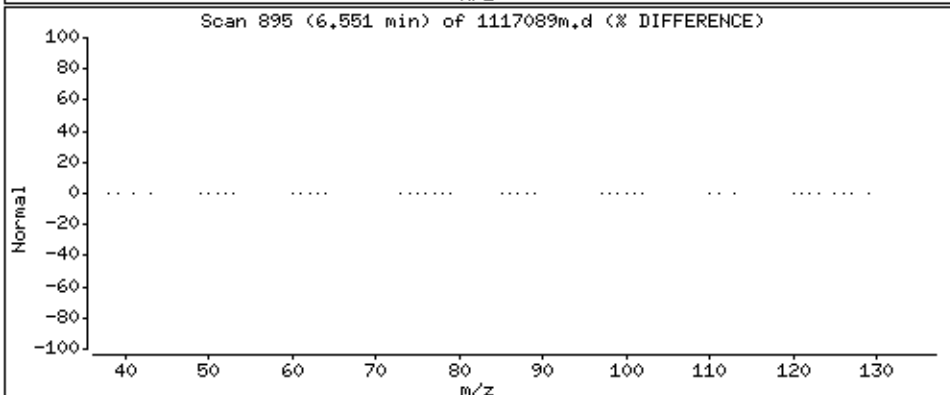
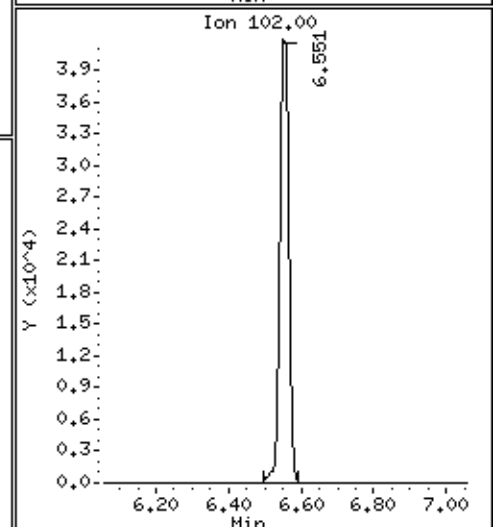
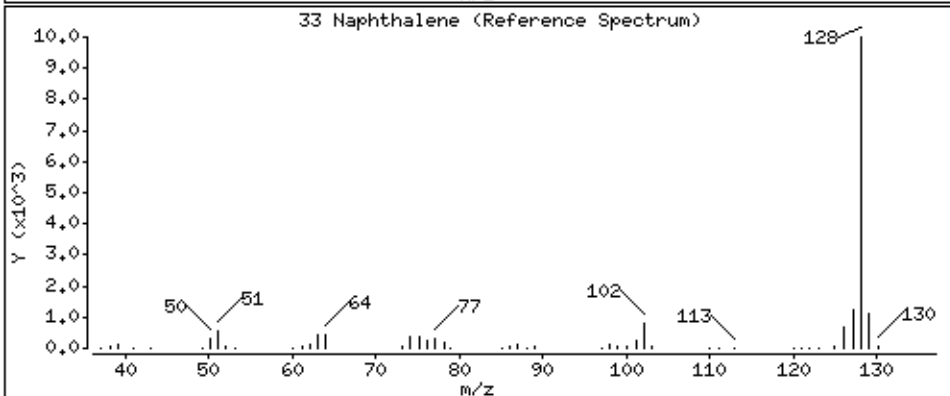
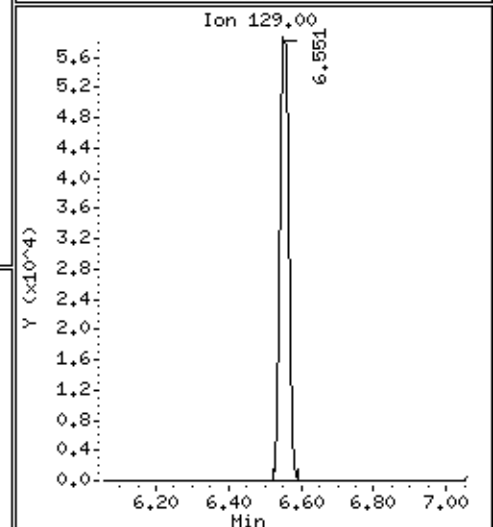
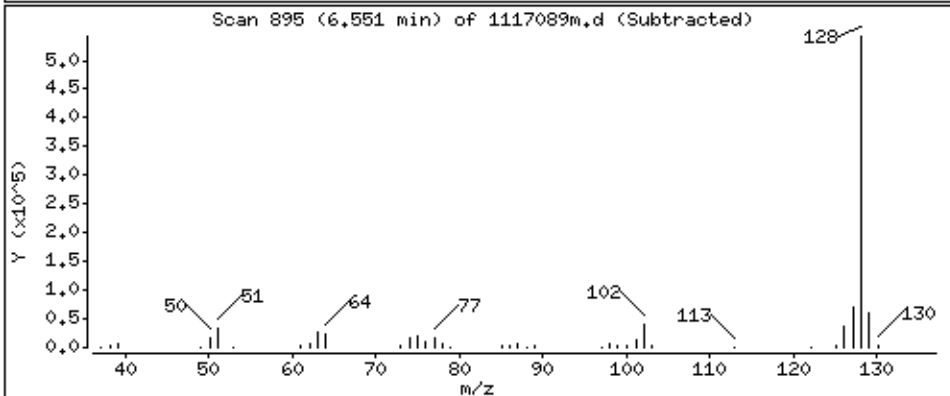
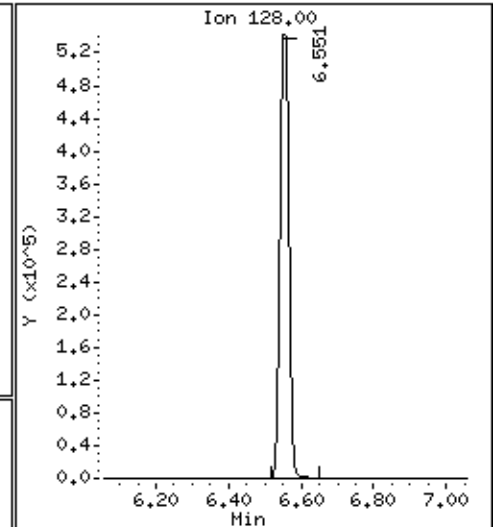
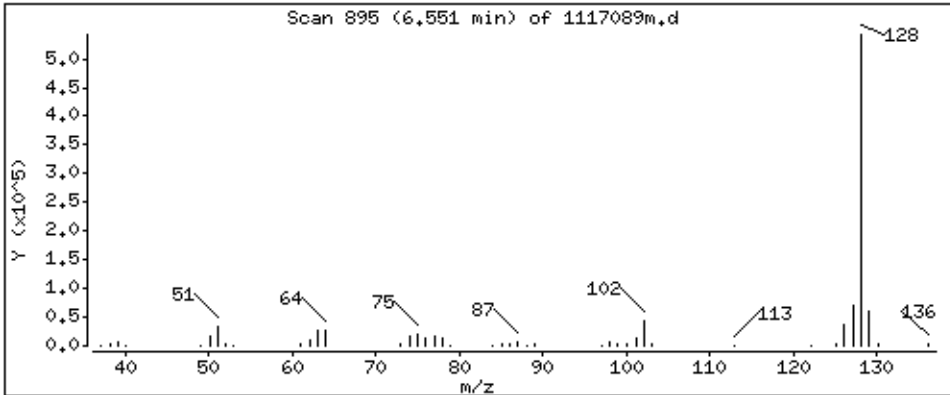
Operator: CEM

Column phase: .50um DB-5ms

Column diameter: 0,25

33 Naphthalene

Concentration: 2487 ug/Kg



Date : 27-JUN-2014 17:44

Client ID: THW-5(12-14)MS

Instrument: 50MSS3.i

Sample Info: 1117089

Volume Injected (uL): 1.0

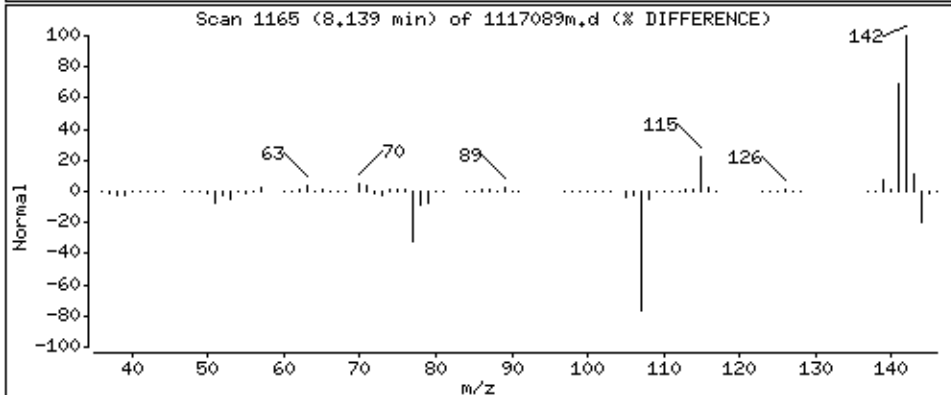
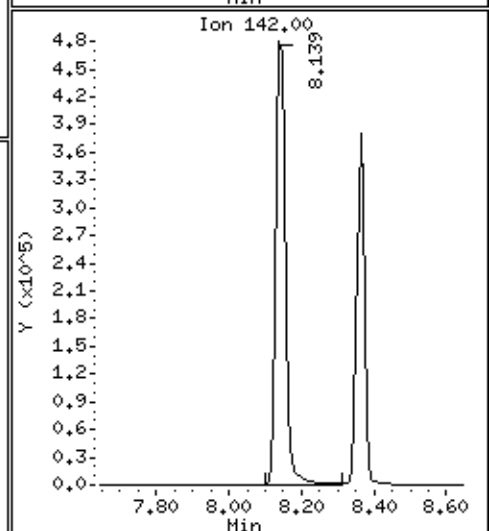
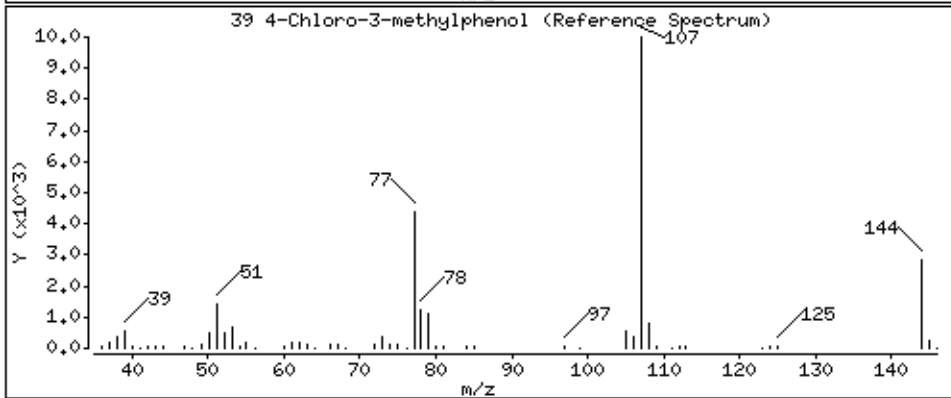
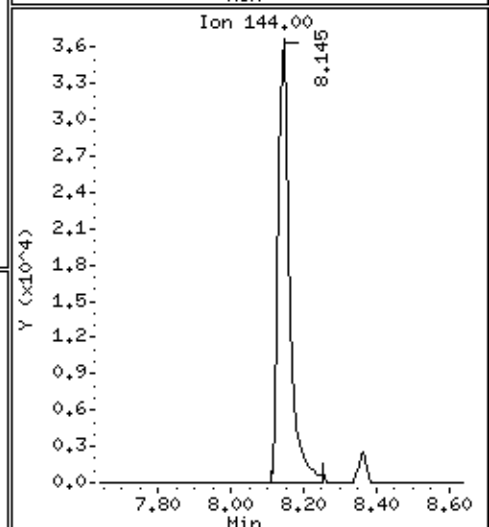
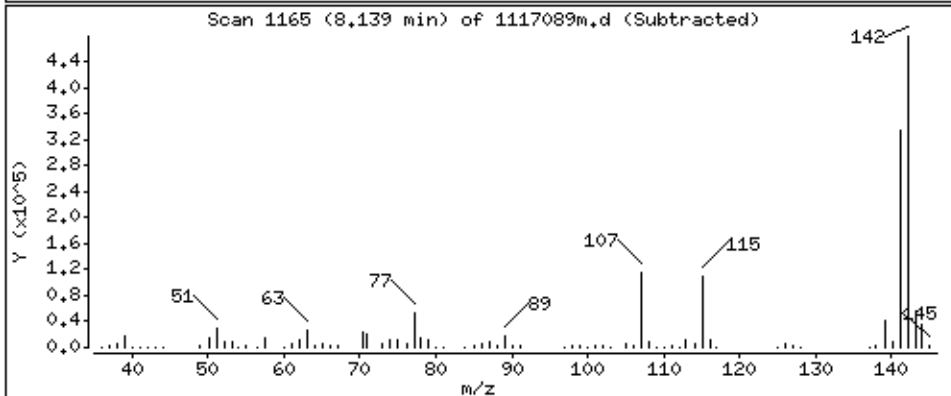
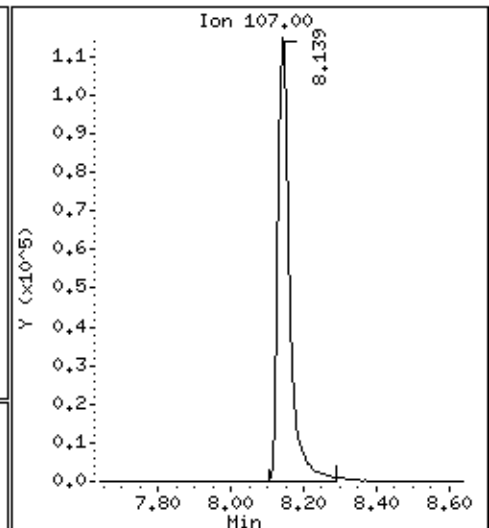
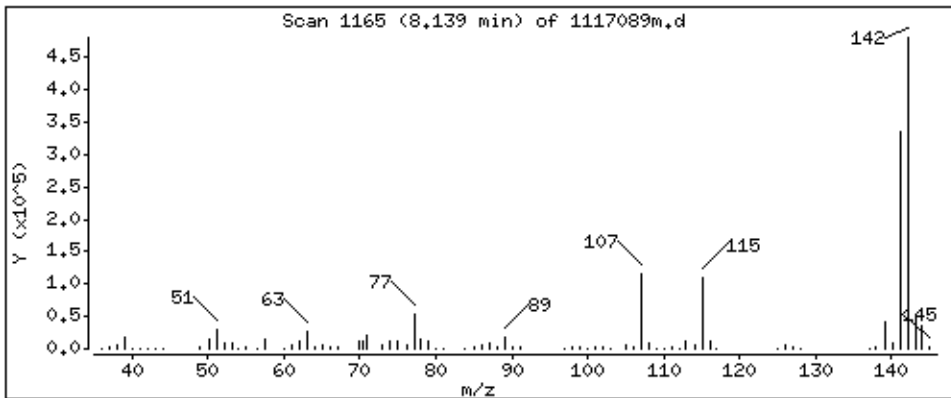
Operator: CEM

Column phase: .50um DB-5ms

Column diameter: 0,25

39 4-Chloro-3-methylphenol

Concentration: 2784 ug/Kg



Date : 27-JUN-2014 17:44

Client ID: THW-5(12-14)MS

Instrument: 50MSS3.i

Sample Info: 1117089

Volume Injected (uL): 1.0

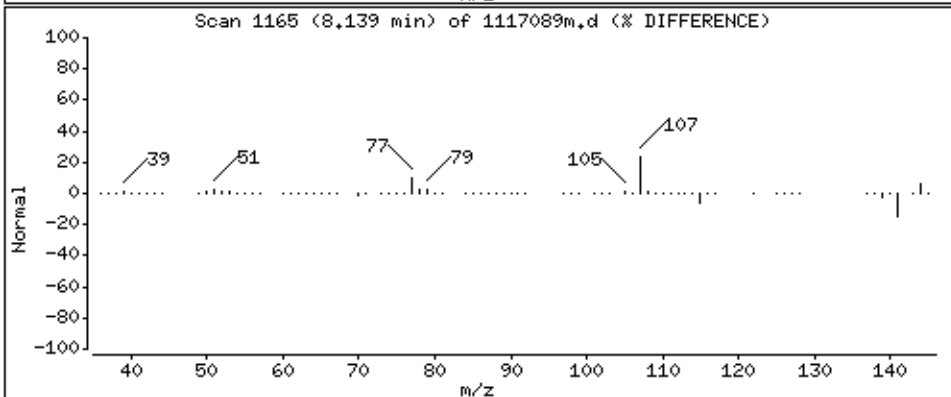
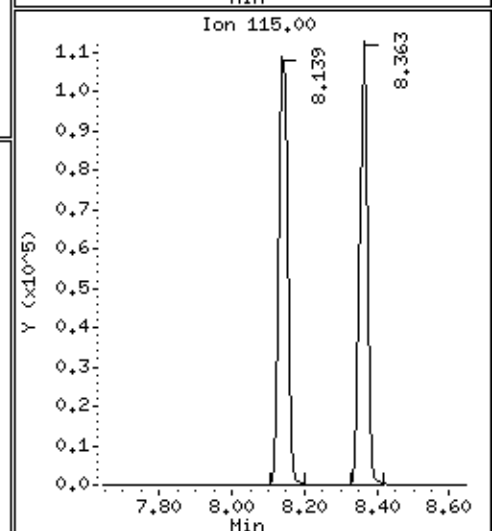
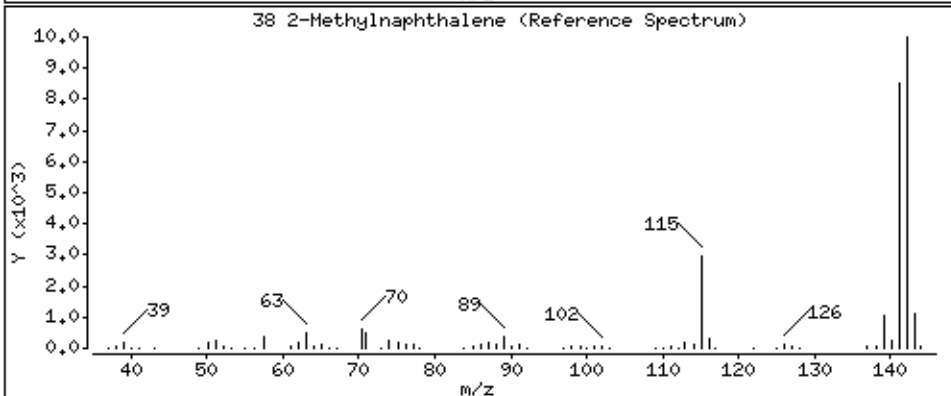
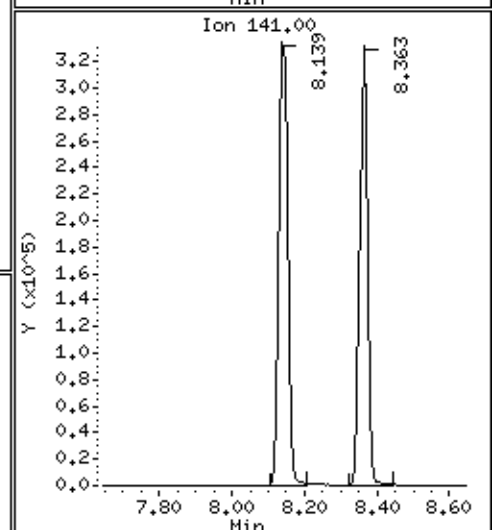
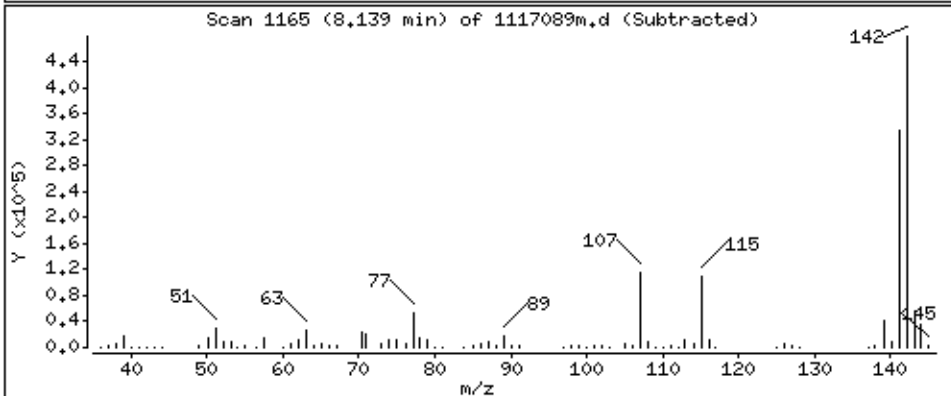
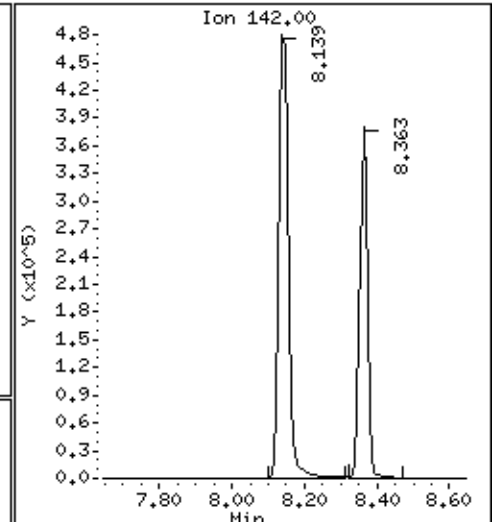
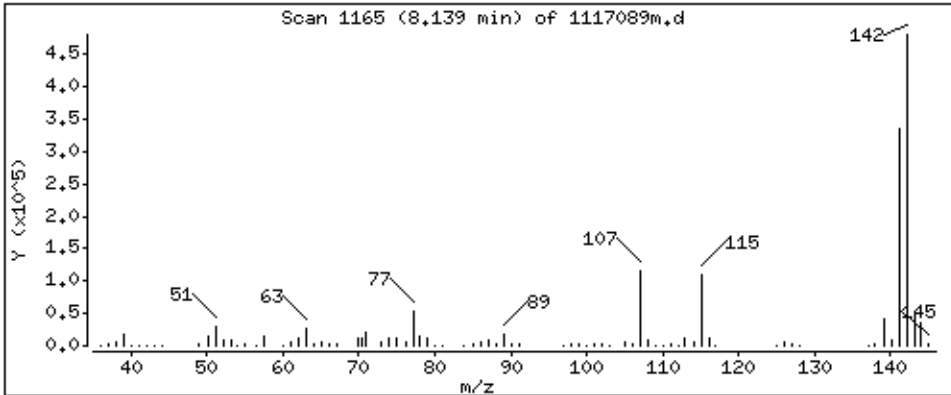
Operator: CEM

Column phase: .50um DB-5ms

Column diameter: 0,25

38 2-Methylnaphthalene

Concentration: 2622 ug/Kg



Date : 27-JUN-2014 17:44

Client ID: THW-5(12-14)MS

Instrument: 50MSS3.i

Sample Info: 1117089

Volume Injected (uL): 1.0

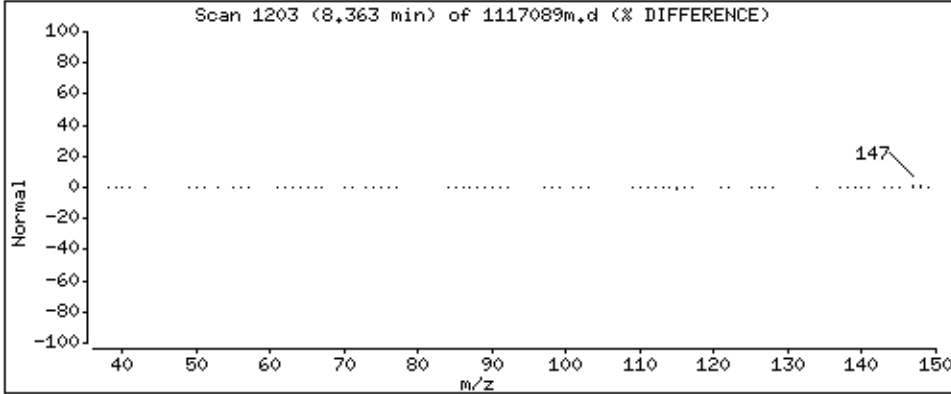
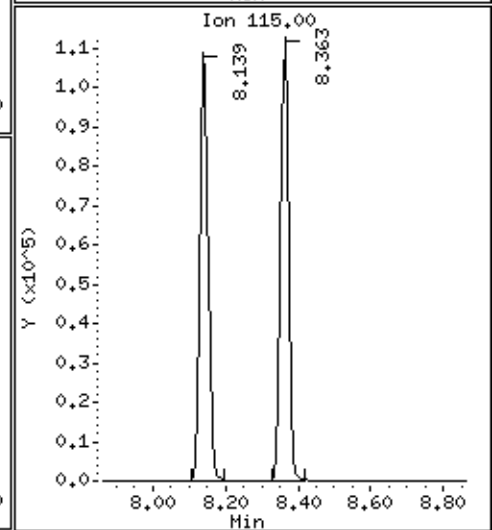
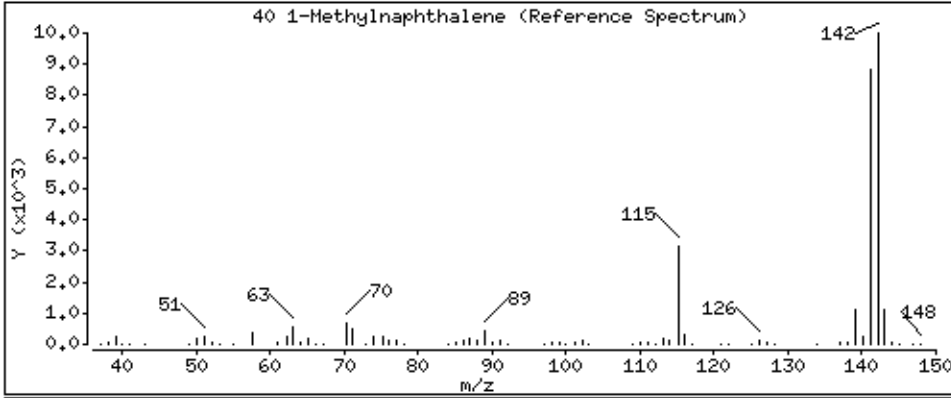
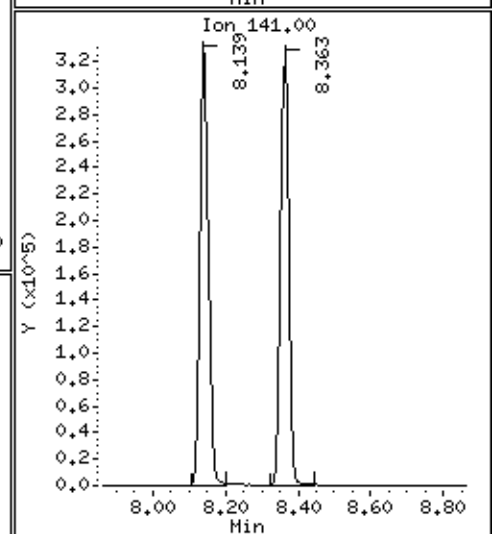
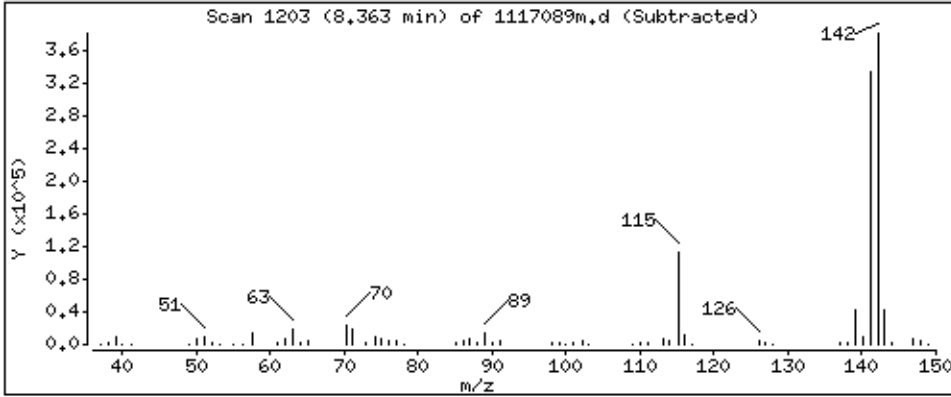
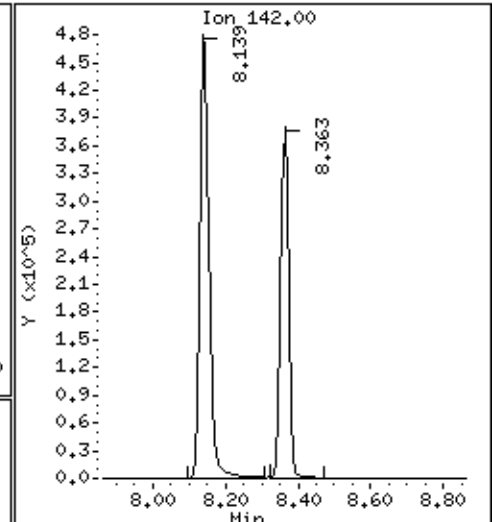
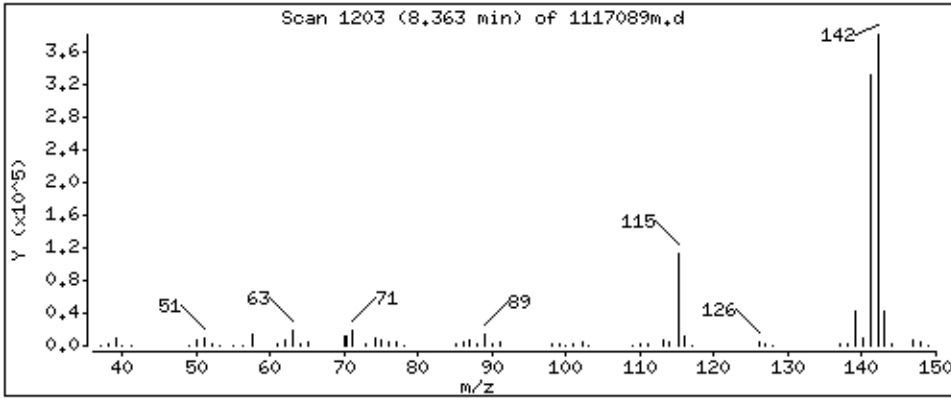
Operator: CEM

Column phase: .50um DB-5ms

Column diameter: 0,25

40 1-Methylnaphthalene

Concentration: 2331 ug/Kg



Date : 27-JUN-2014 17:44

Client ID: THW-5(12-14)MS

Instrument: 50MSS3.i

Sample Info: 1117089

Volume Injected (uL): 1.0

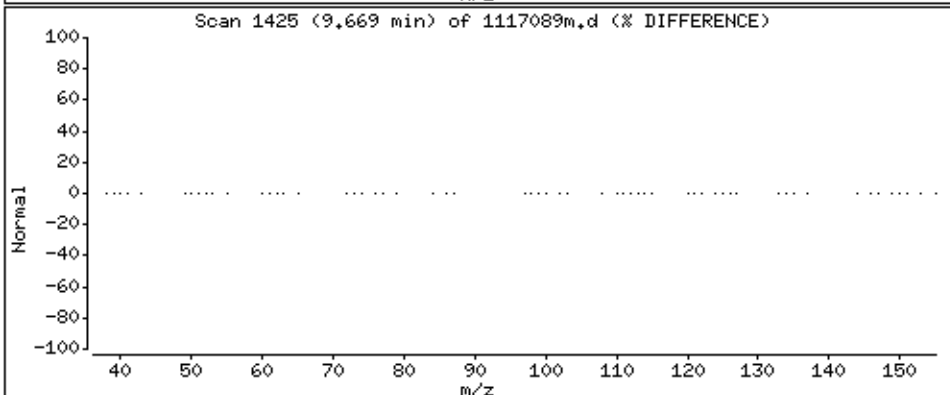
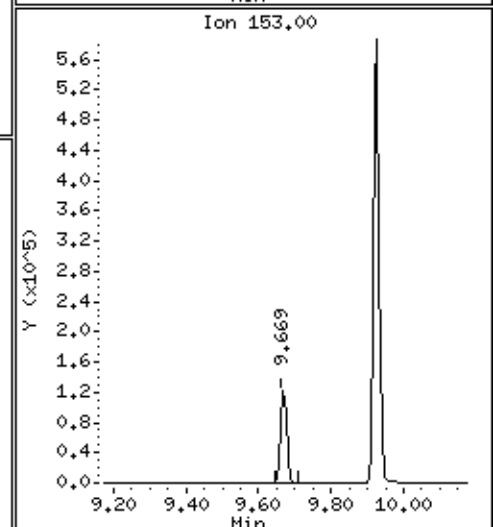
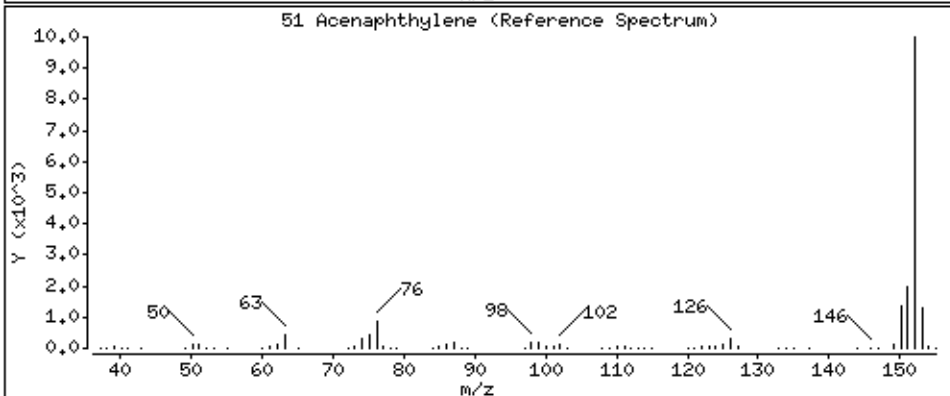
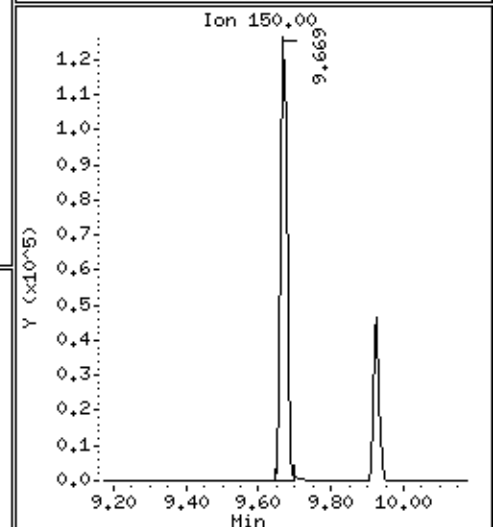
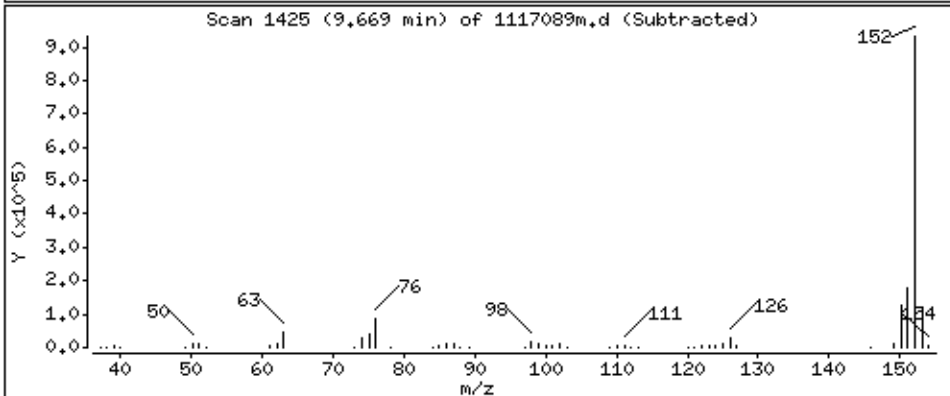
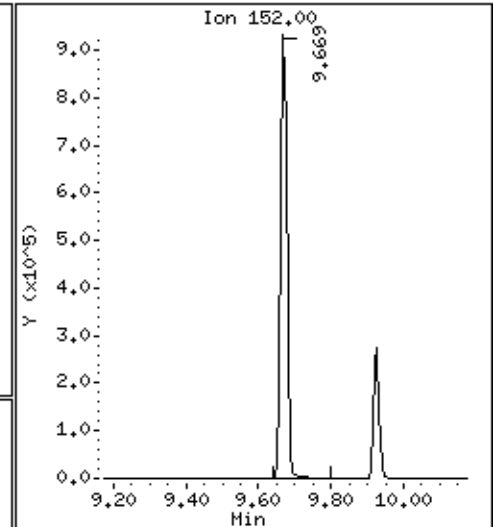
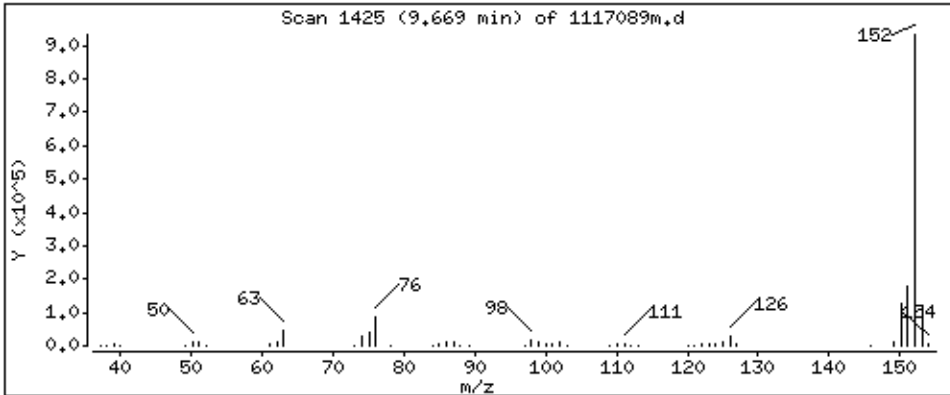
Operator: CEM

Column phase: .50um DB-5ms

Column diameter: 0,25

51 Acenaphthylene

Concentration: 2773 ug/Kg



Date : 27-JUN-2014 17:44

Client ID: THW-5(12-14)MS

Instrument: 50MSS3.i

Sample Info: 1117089

Volume Injected (uL): 1.0

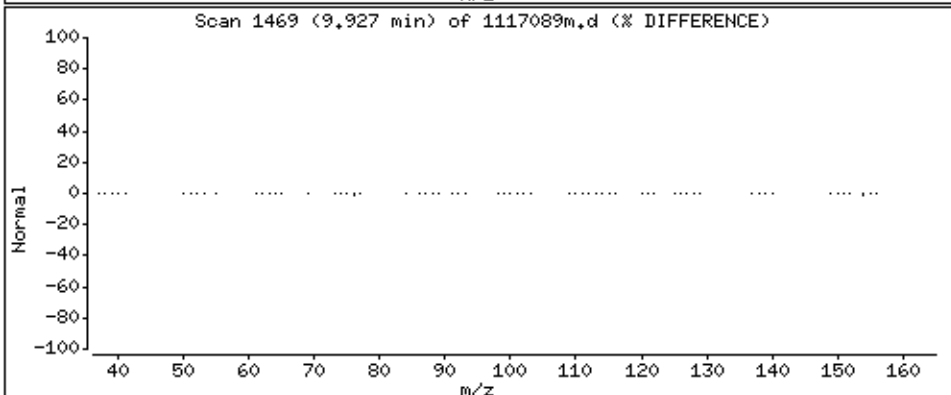
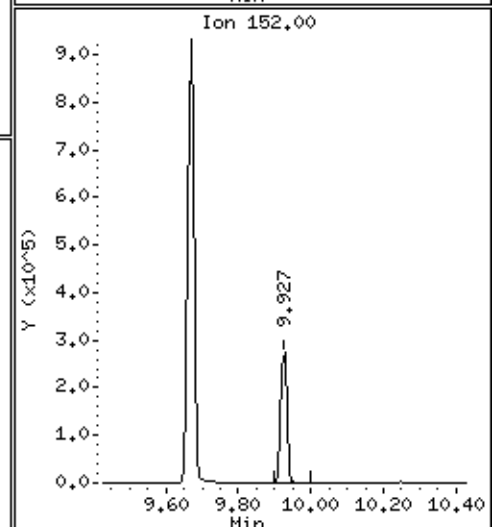
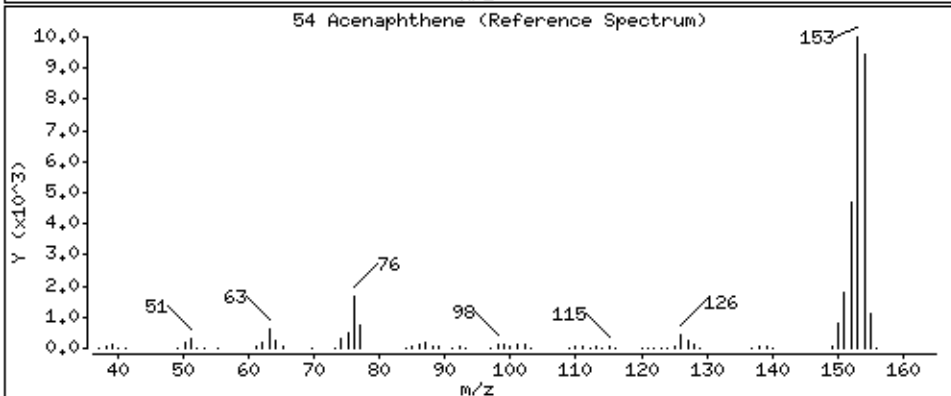
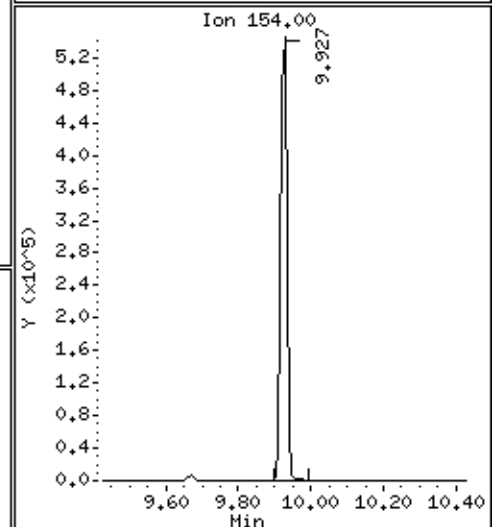
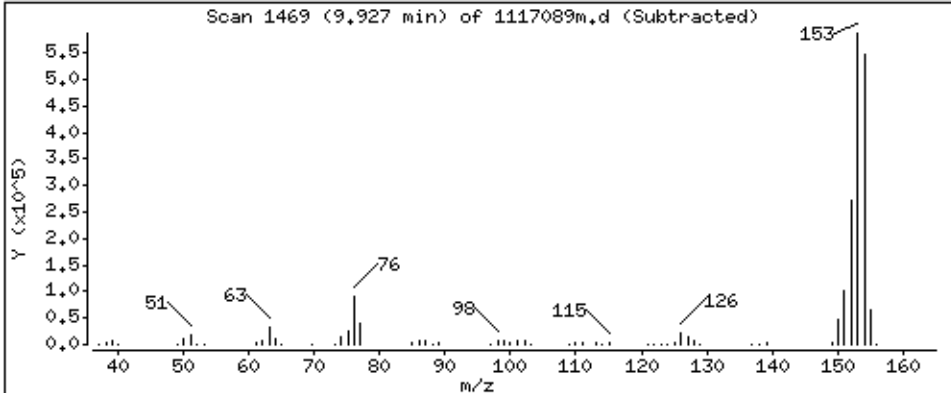
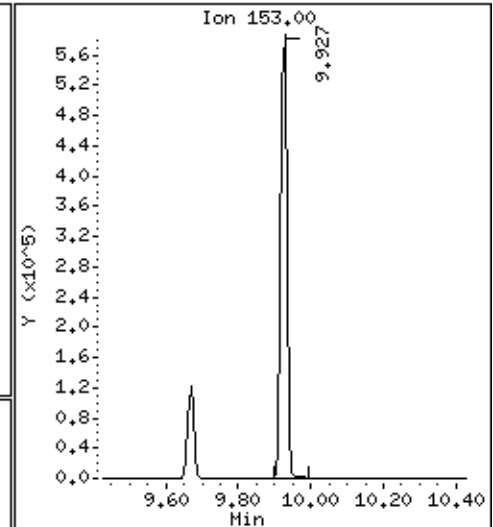
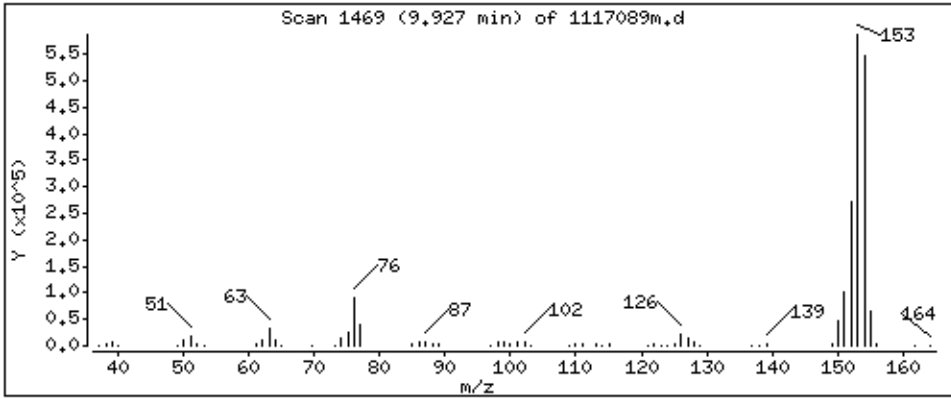
Operator: CEM

Column phase: .50um DB-5ms

Column diameter: 0,25

54 Acenaphthene

Concentration: 2672 ug/Kg



Date : 27-JUN-2014 17:44

Client ID: THW-5(12-14)MS

Instrument: 50MSS3.i

Sample Info: 1117089

Volume Injected (uL): 1.0

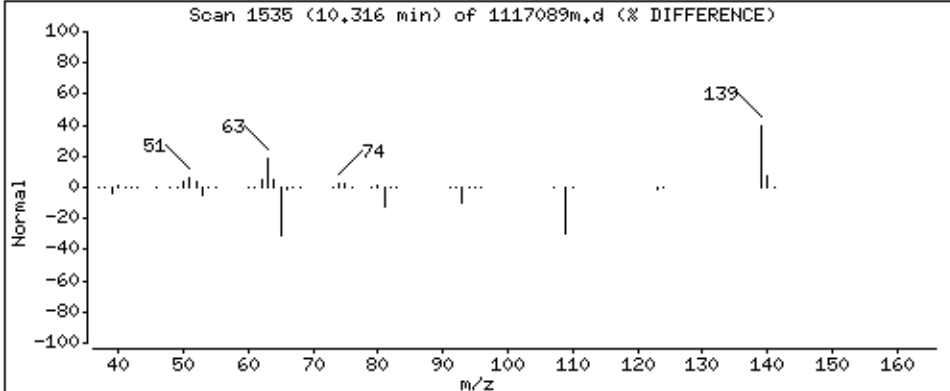
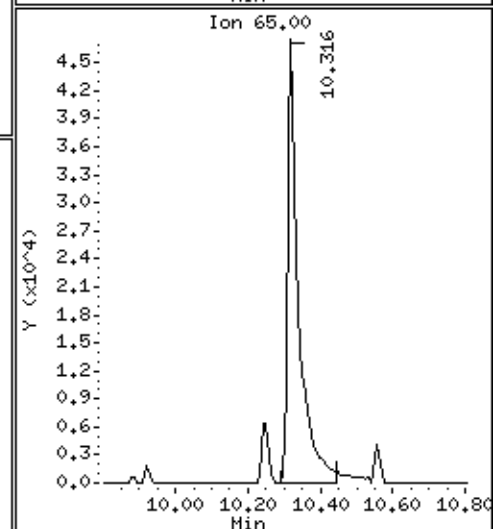
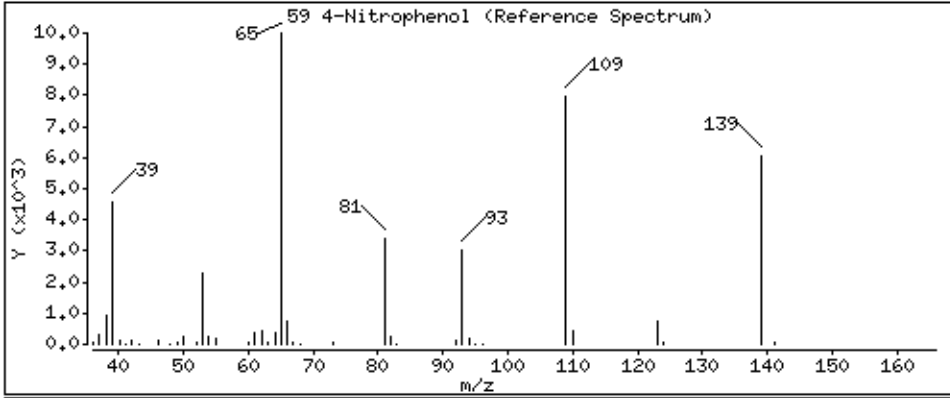
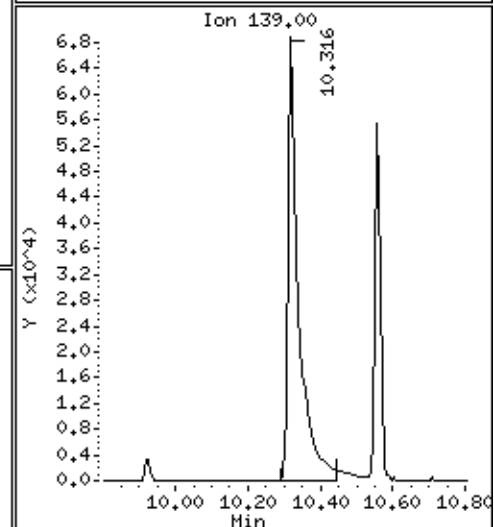
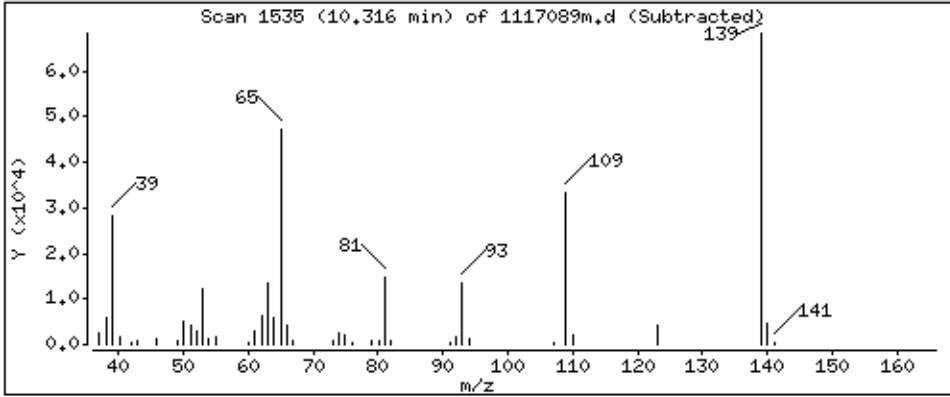
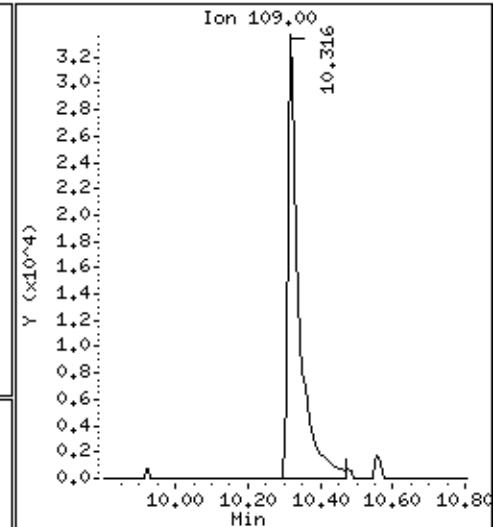
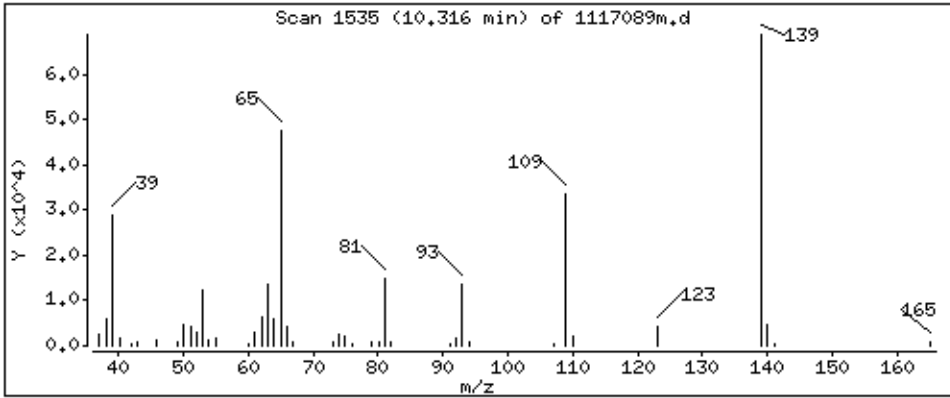
Operator: CEM

Column phase: .50um DB-5ms

Column diameter: 0,25

59 4-Nitrophenol

Concentration: 2731 ug/Kg



Date : 27-JUN-2014 17:44

Client ID: THW-5(12-14)MS

Instrument: 50MSS3.i

Sample Info: 1117089

Volume Injected (uL): 1.0

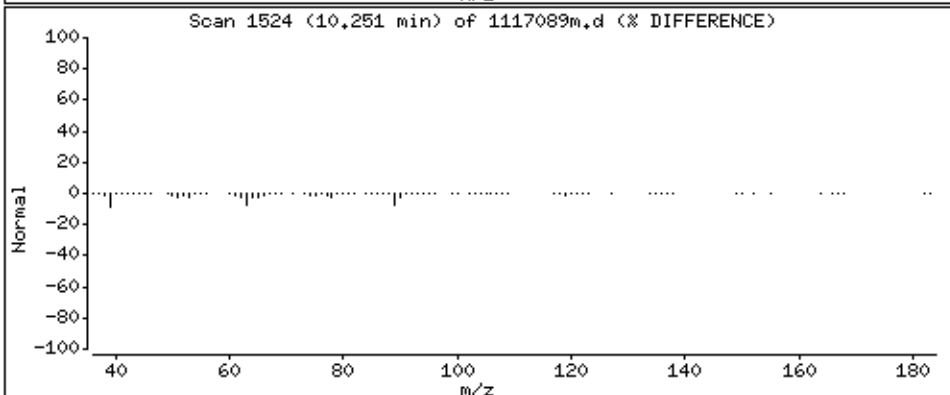
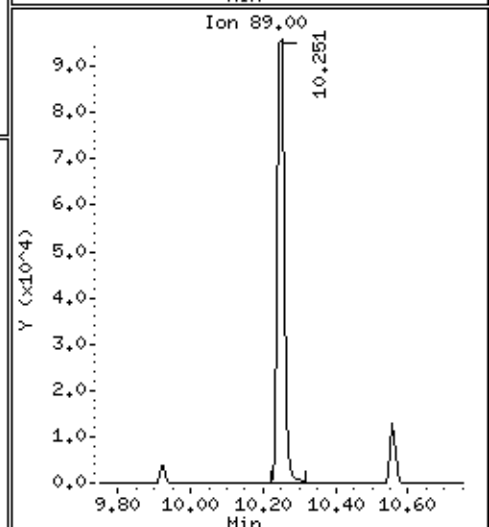
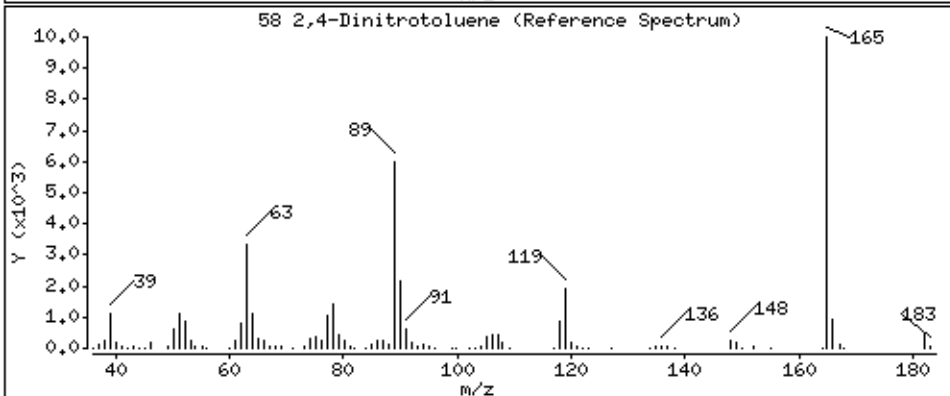
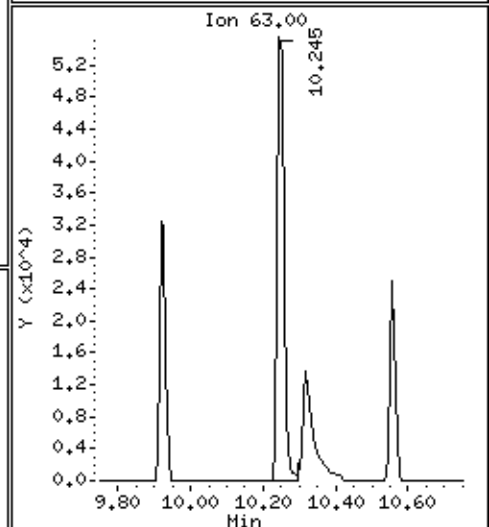
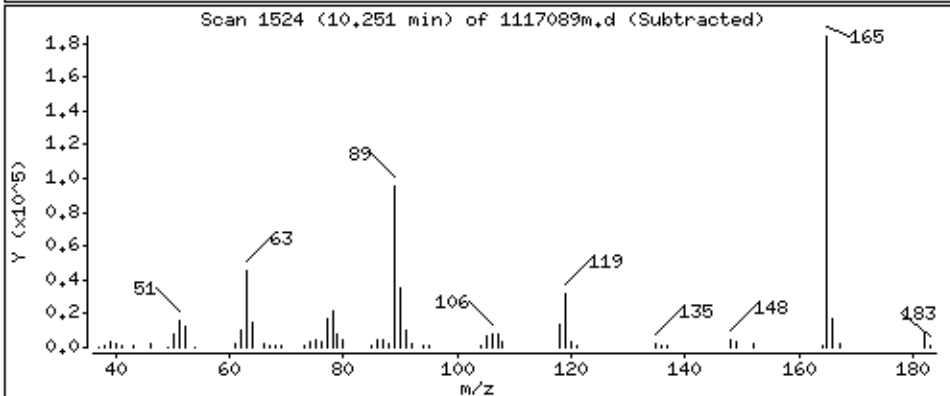
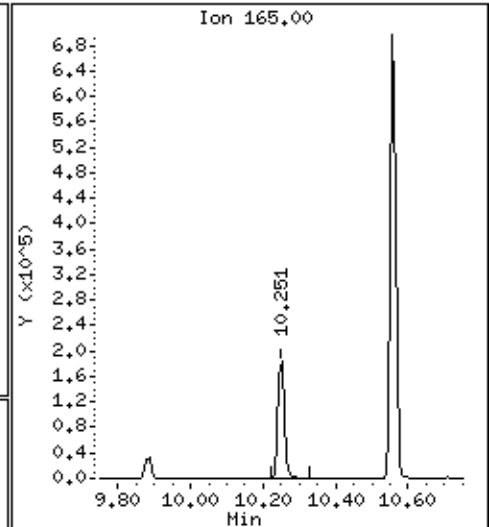
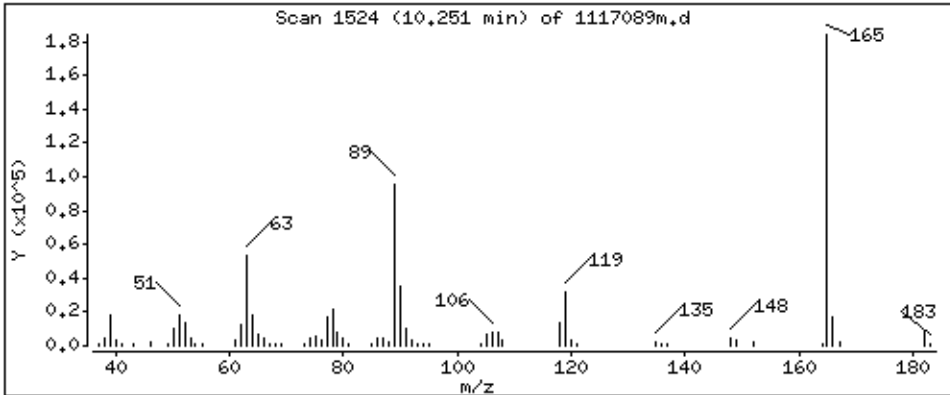
Operator: CEM

Column phase: .50um DB-5ms

Column diameter: 0,25

58 2,4-Dinitrotoluene

Concentration: 2644 ug/Kg



Date : 27-JUN-2014 17:44

Client ID: THW-5(12-14)MS

Instrument: 50MSS3.i

Sample Info: 1117089

Volume Injected (uL): 1.0

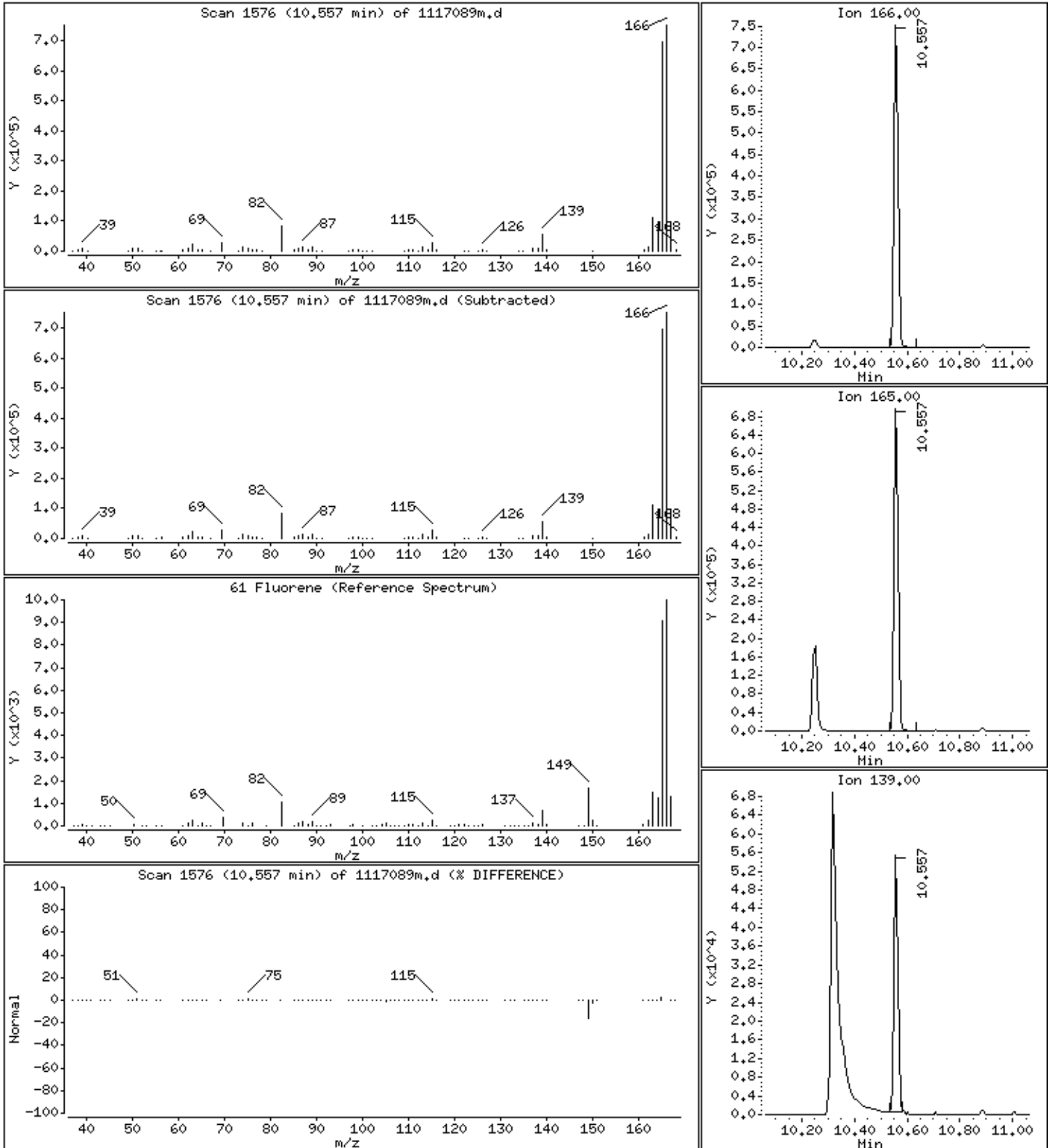
Operator: CEM

Column phase: .50um DB-5ms

Column diameter: 0,25

61 Fluorene

Concentration: 2939 ug/Kg



Date : 27-JUN-2014 17:44

Client ID: THW-5(12-14)MS

Instrument: 50MSS3.i

Sample Info: 1117089

Volume Injected (uL): 1.0

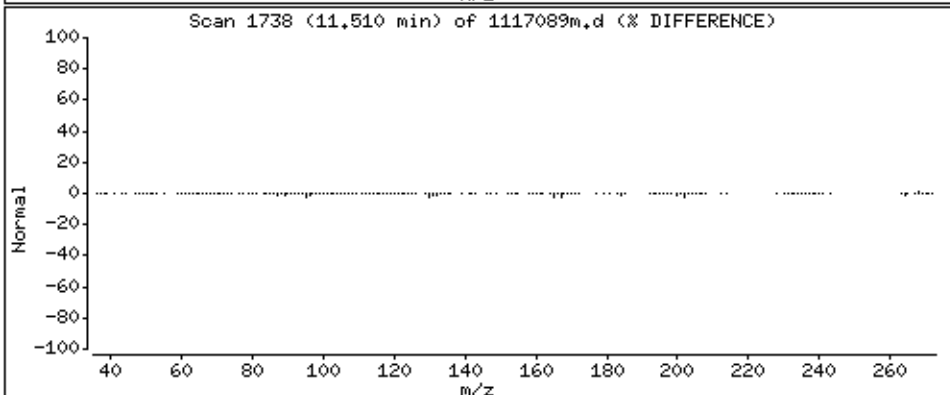
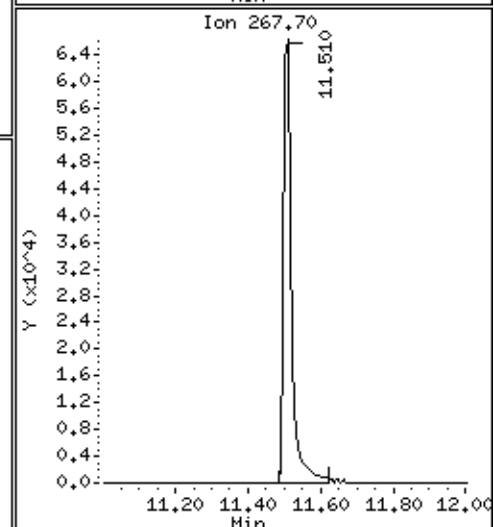
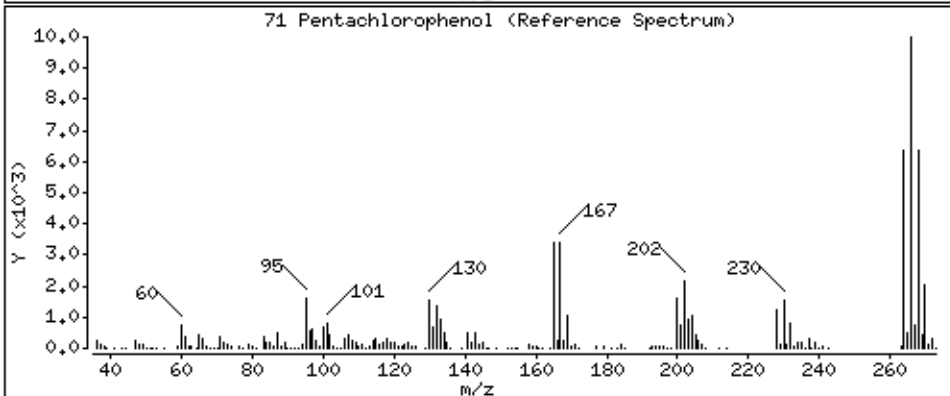
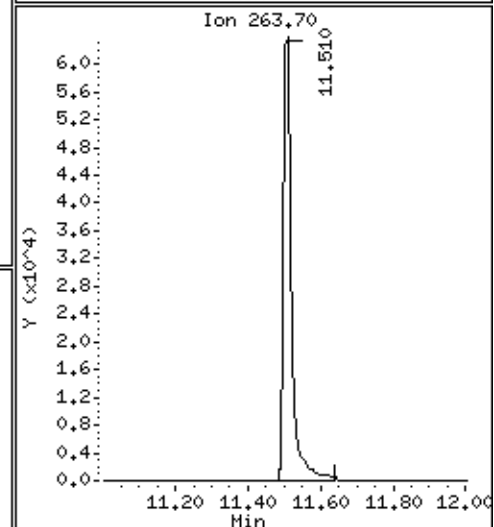
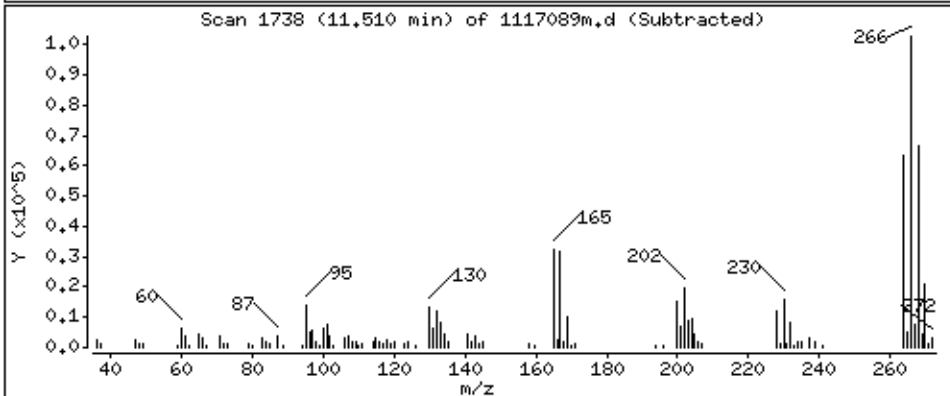
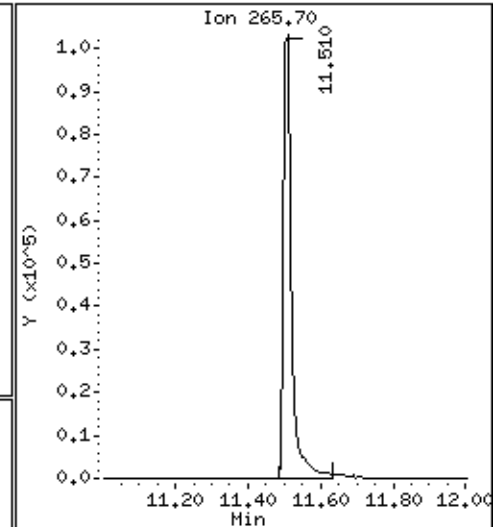
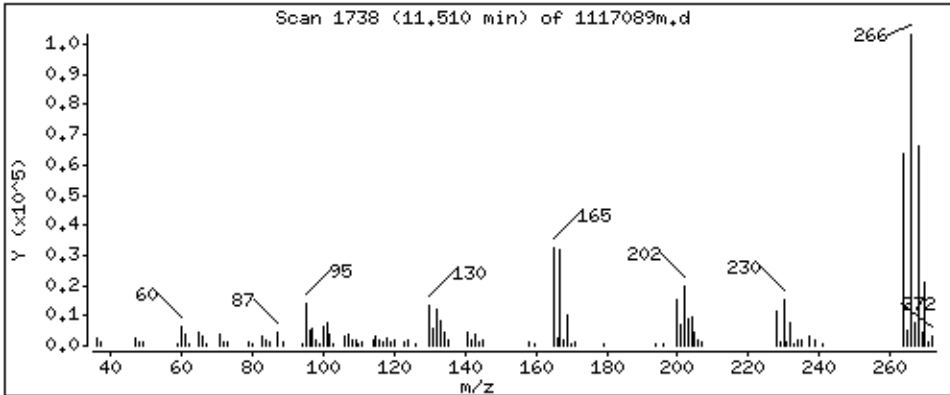
Operator: CEM

Column phase: .50um DB-5ms

Column diameter: 0,25

71 Pentachlorophenol

Concentration: 2494 ug/Kg



Date : 27-JUN-2014 17:44

Client ID: THW-5(12-14)MS

Instrument: 50MSS3.i

Sample Info: 1117089

Volume Injected (uL): 1.0

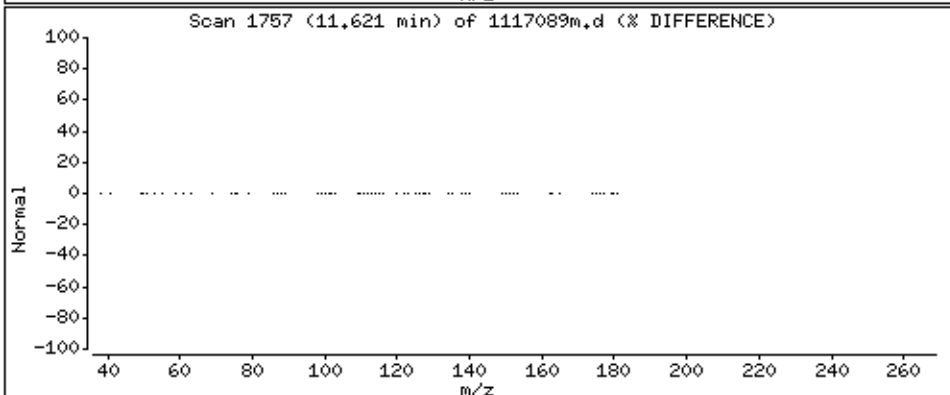
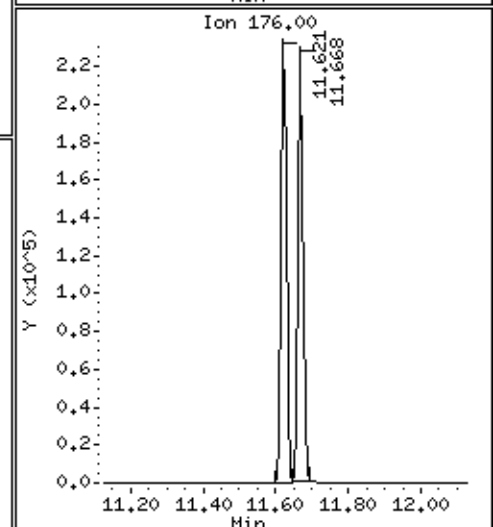
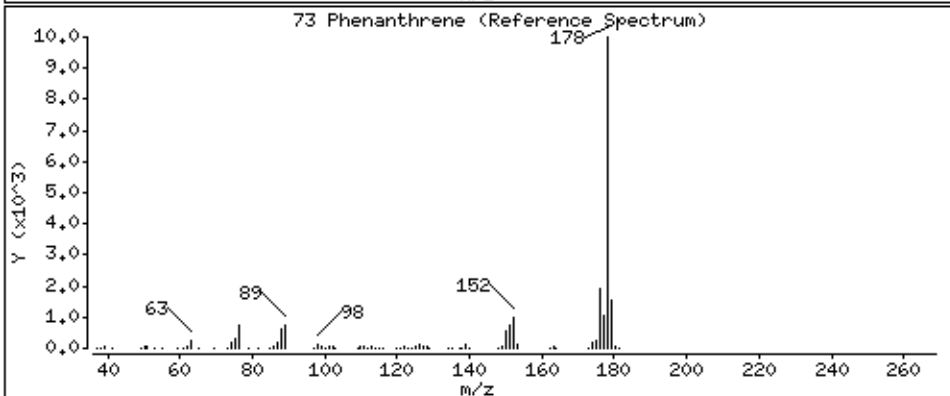
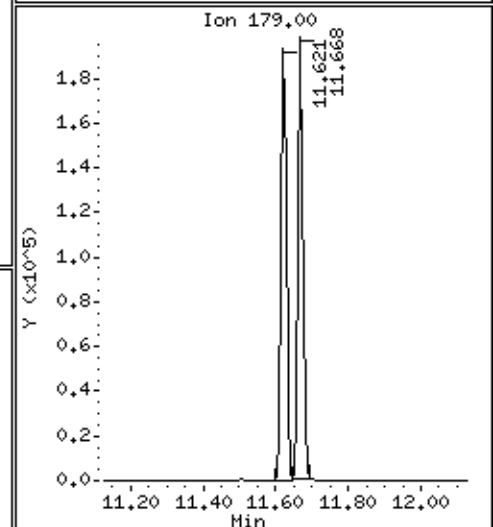
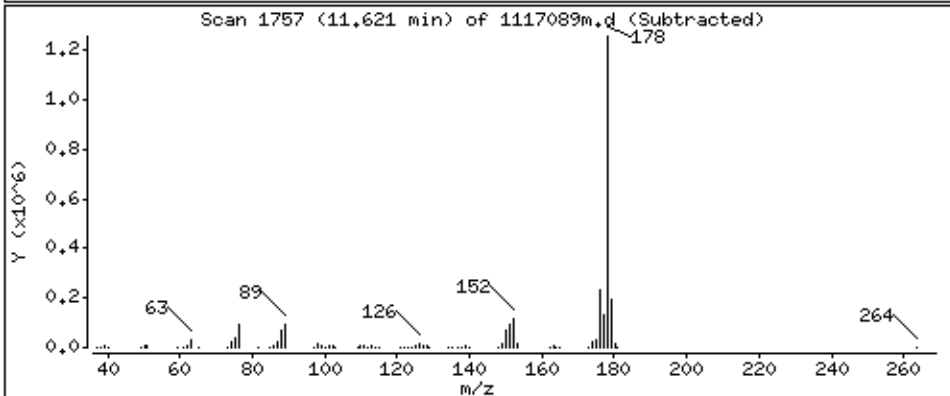
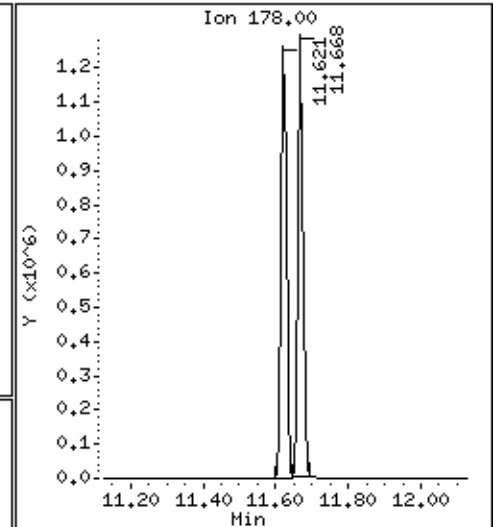
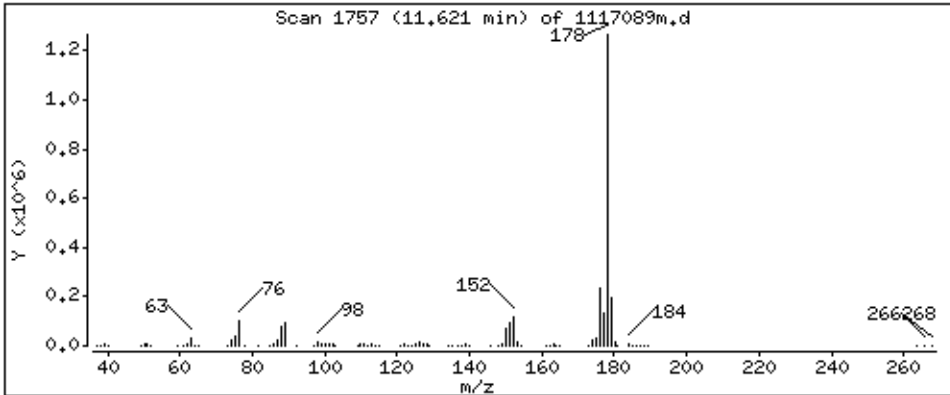
Operator: CEM

Column phase: .50um DB-5ms

Column diameter: 0,25

73 Phenanthrene

Concentration: 2772 ug/Kg



Date : 27-JUN-2014 17:44

Client ID: THW-5(12-14)MS

Instrument: 50MSS3.i

Sample Info: 1117089

Volume Injected (uL): 1.0

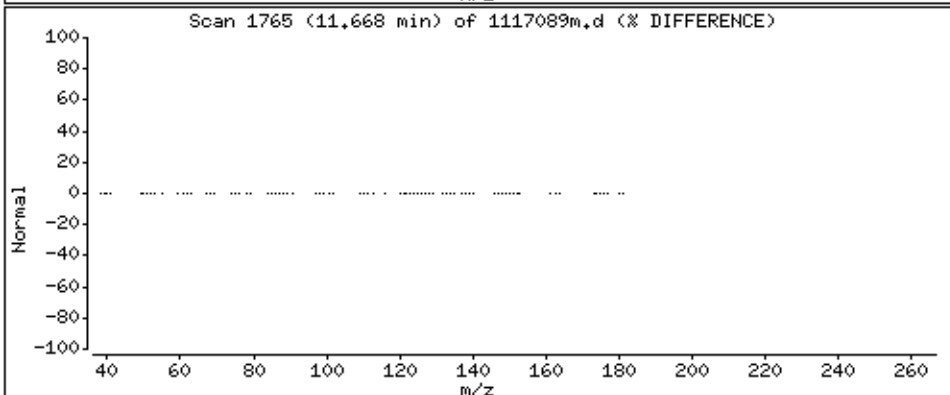
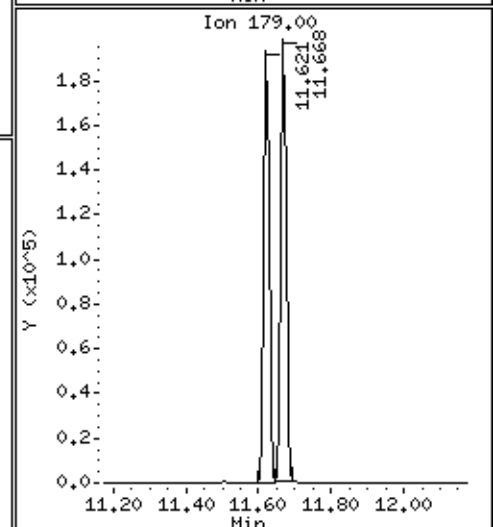
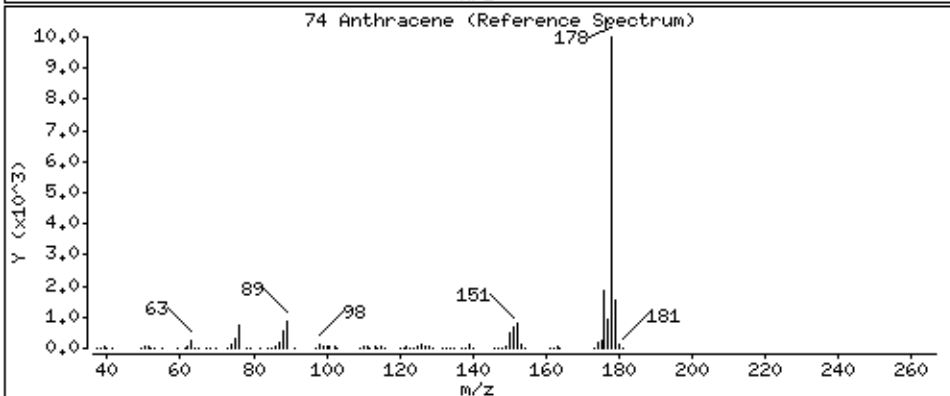
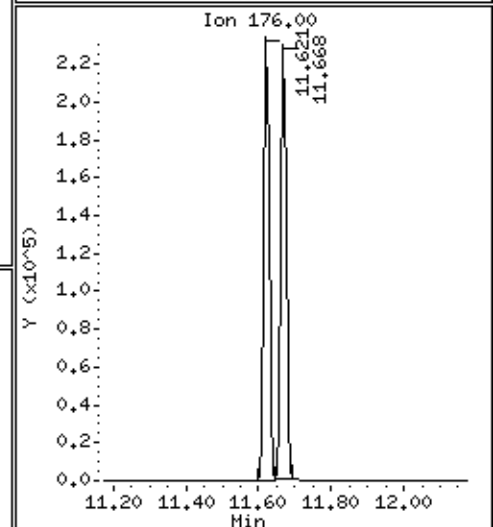
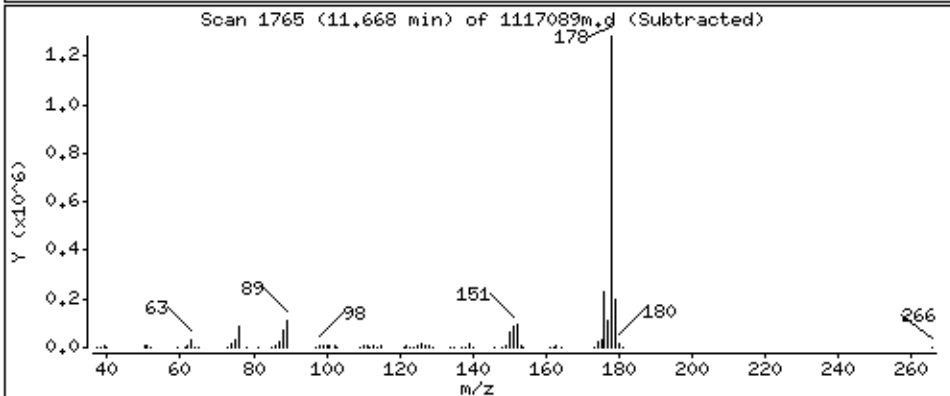
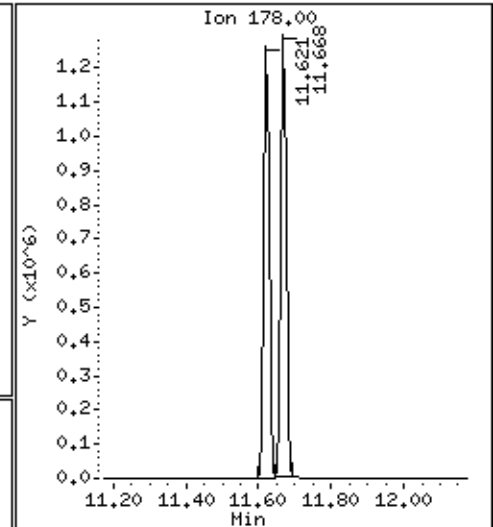
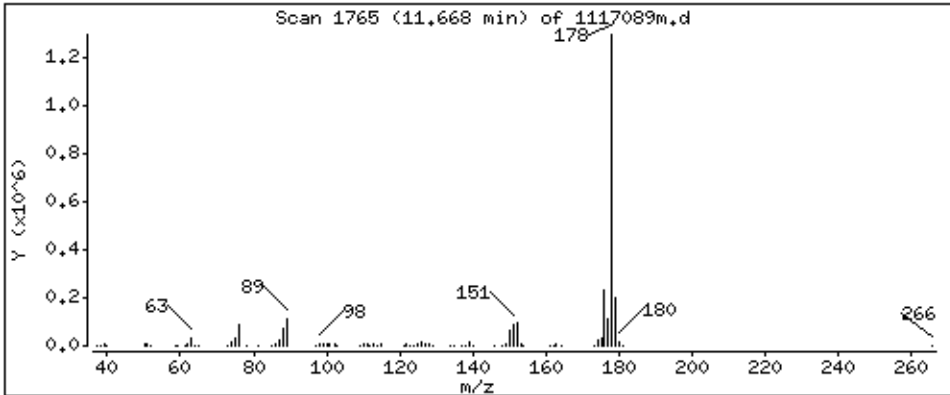
Operator: CEM

Column phase: .50um DB-5ms

Column diameter: 0,25

74 Anthracene

Concentration: 2837 ug/Kg



Date : 27-JUN-2014 17:44

Client ID: THW-5(12-14)HS

Instrument: 50MSS3.i

Sample Info: 1117089

Volume Injected (uL): 1.0

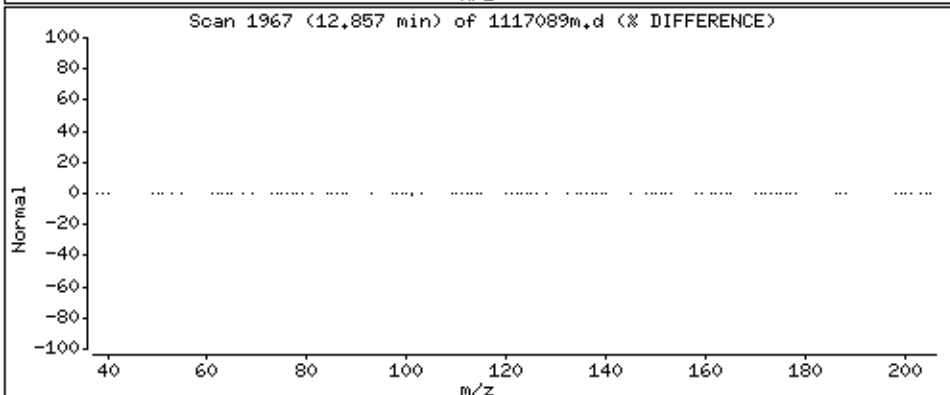
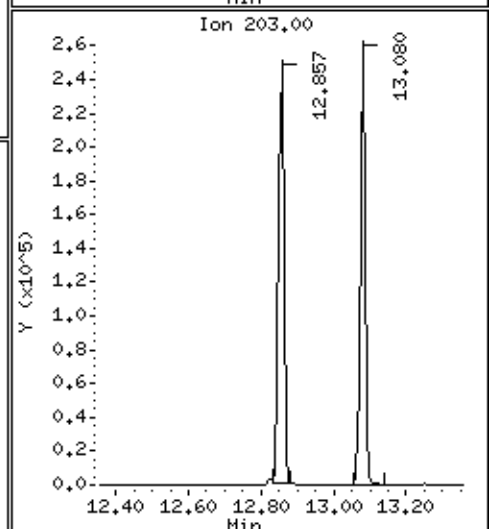
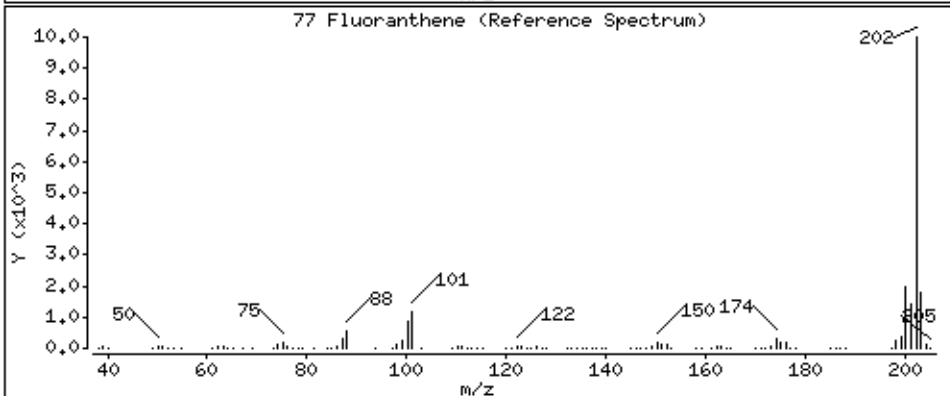
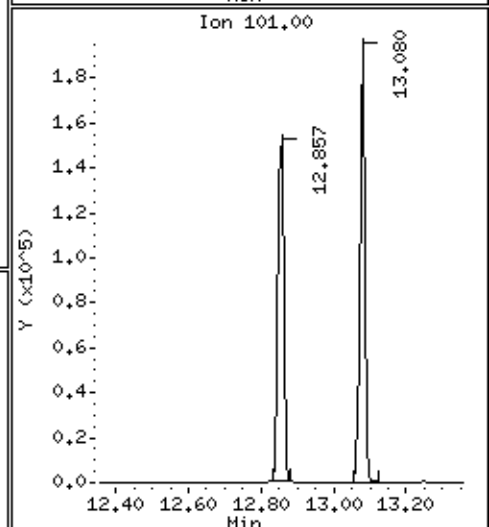
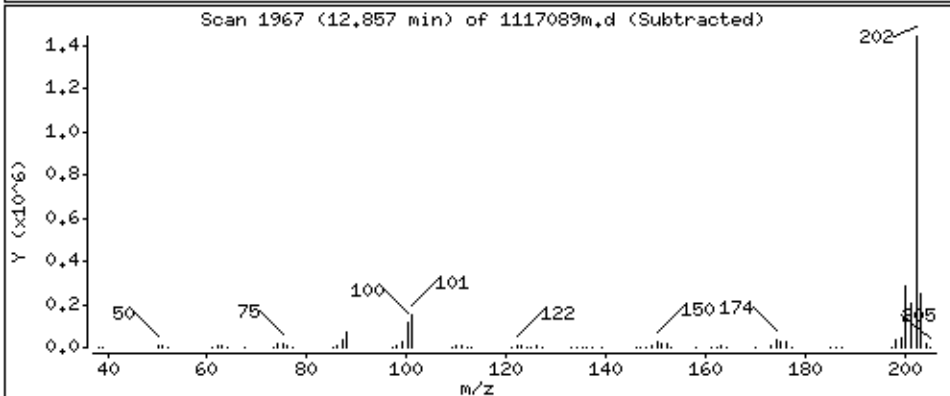
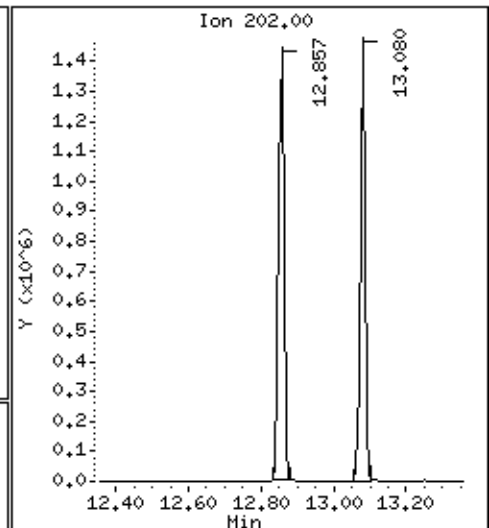
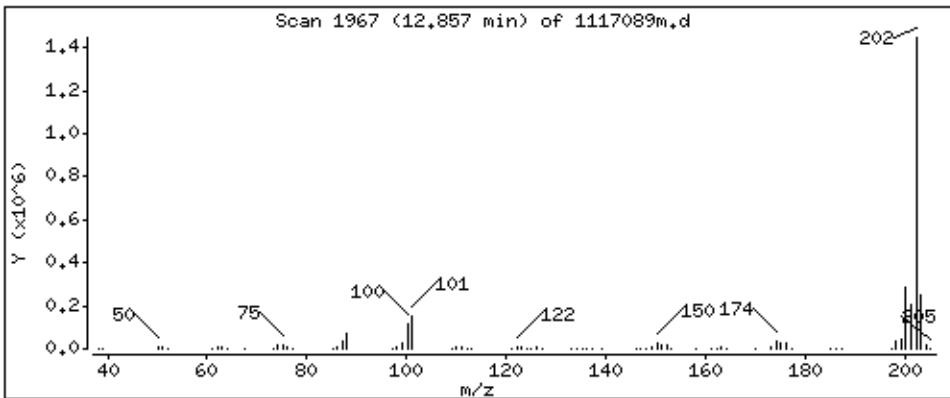
Operator: CEM

Column phase: .50um DB-5ms

Column diameter: 0,25

77 Fluoranthene

Concentration: 2880 ug/Kg



Date : 27-JUN-2014 17:44

Client ID: THW-5(12-14)HS

Instrument: 50MSS3.i

Sample Info: 1117089

Volume Injected (uL): 1.0

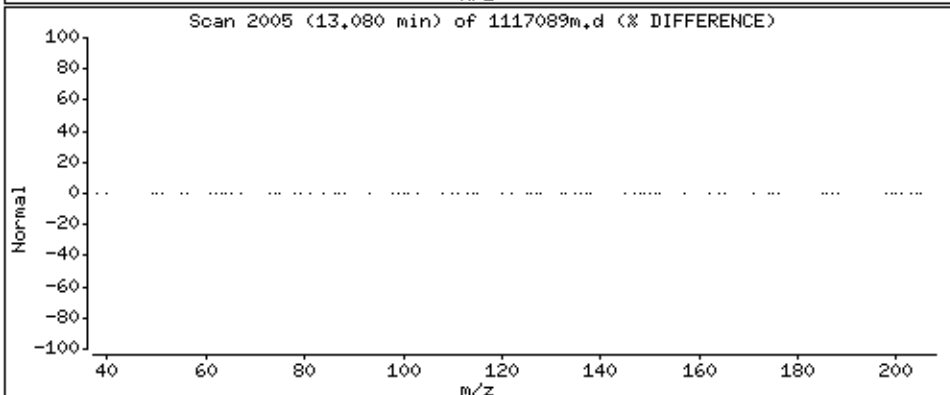
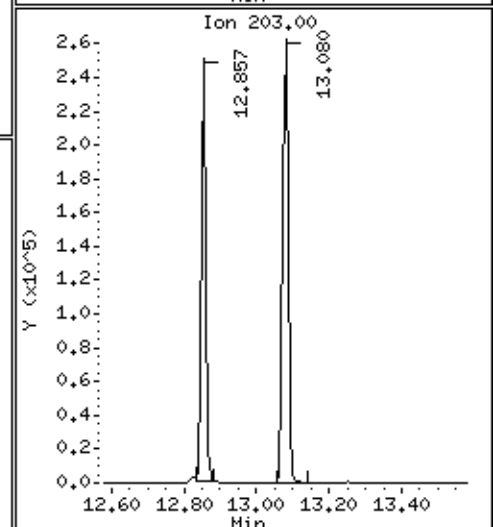
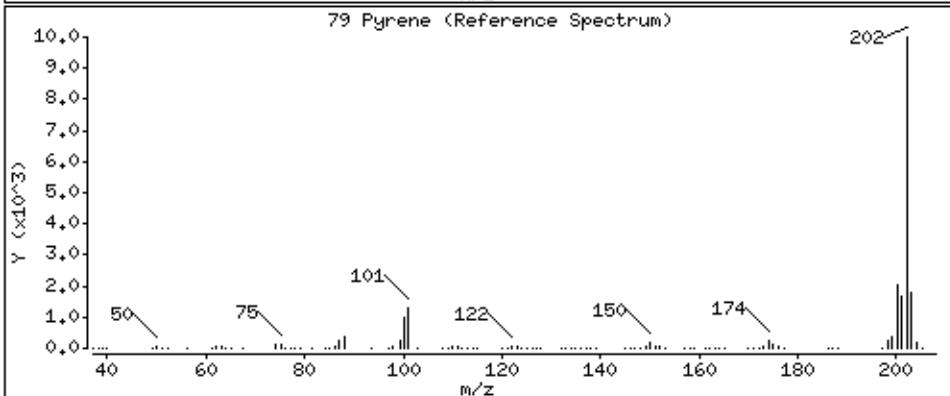
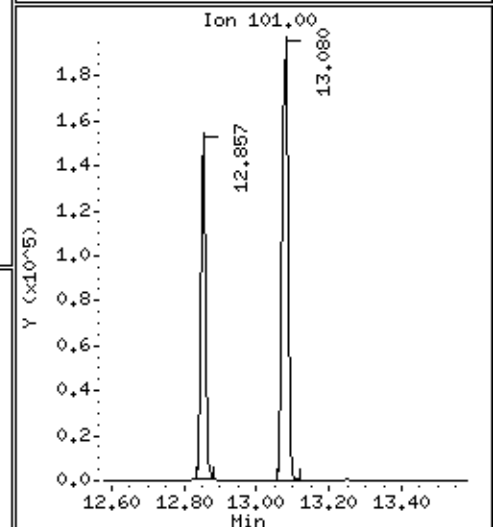
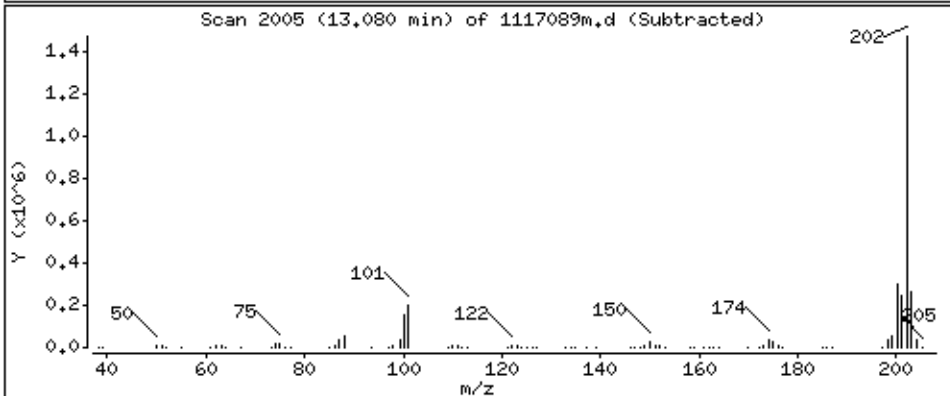
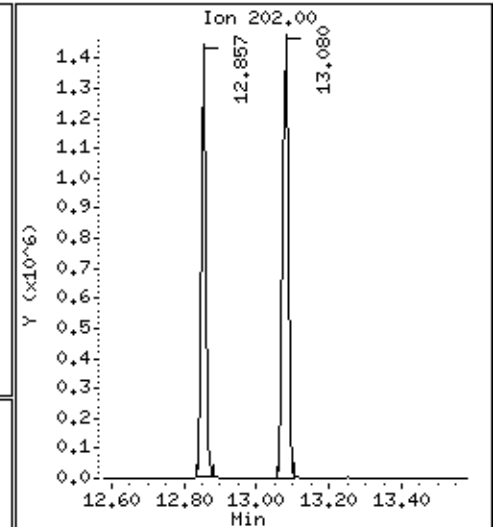
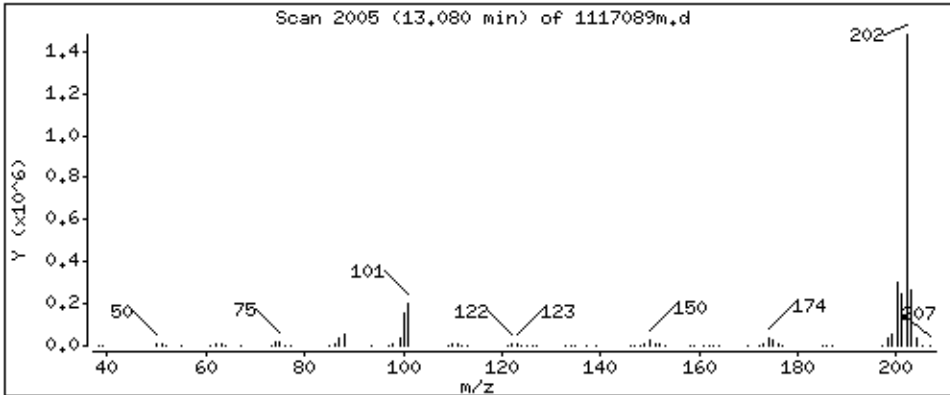
Operator: CEM

Column phase: .50um DB-5ms

Column diameter: 0,25

79 Pyrene

Concentration: 2924 ug/Kg



Date : 27-JUN-2014 17:44

Client ID: THW-5(12-14)MS

Instrument: 50MSS3.i

Sample Info: 1117089

Volume Injected (uL): 1.0

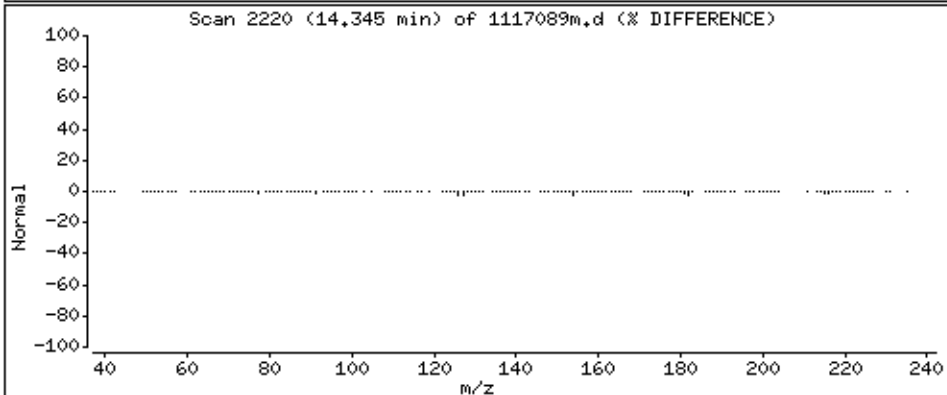
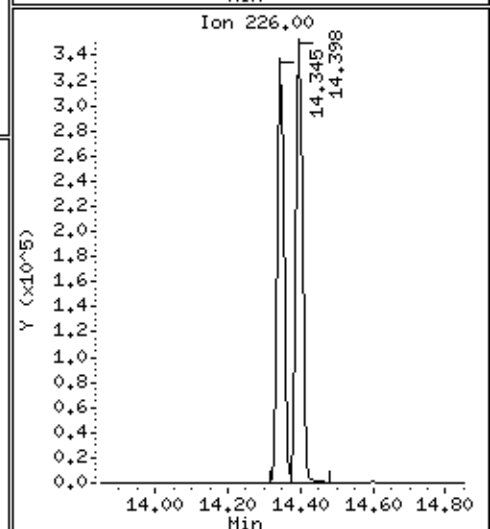
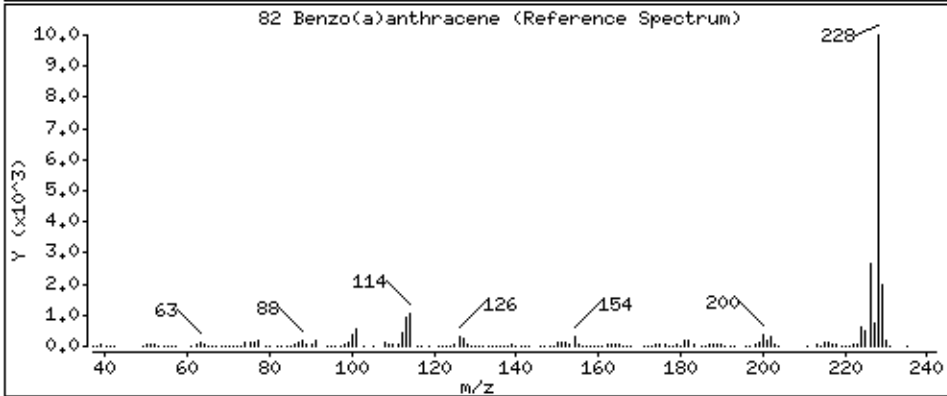
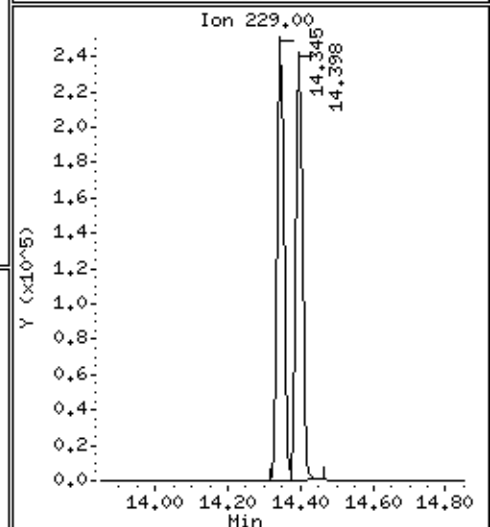
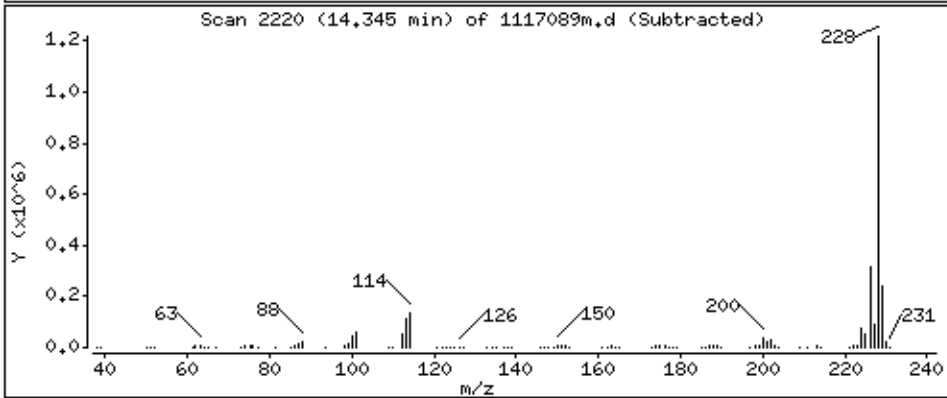
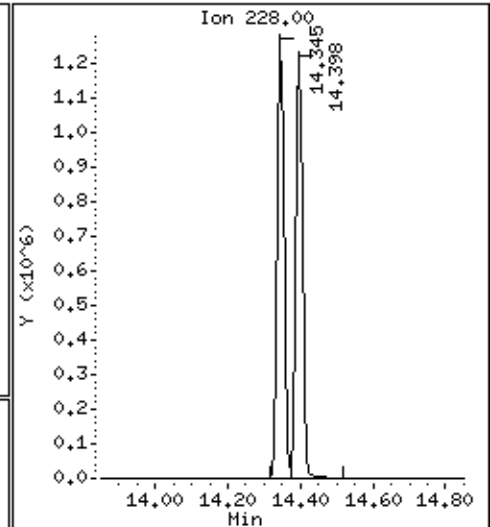
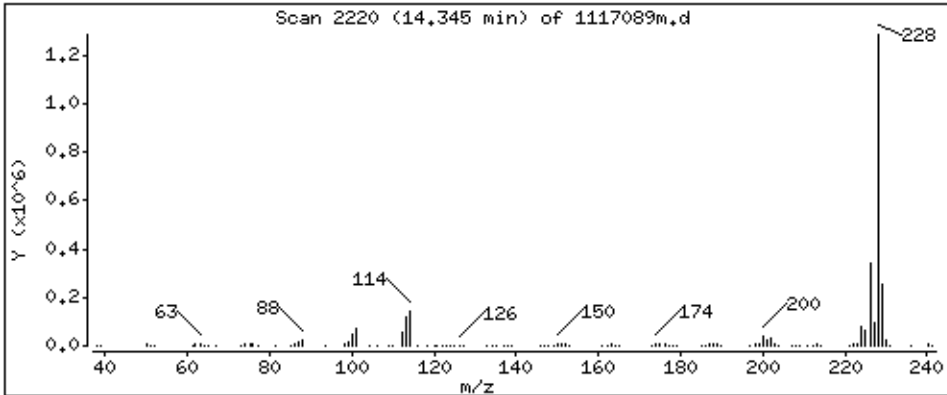
Operator: CEM

Column phase: .50um DB-5ms

Column diameter: 0,25

82 Benzo(a)anthracene

Concentration: 2727 ug/Kg



Date : 27-JUN-2014 17:44

Client ID: THW-5(12-14)MS

Instrument: 50MSS3.i

Sample Info: 1117089

Volume Injected (uL): 1.0

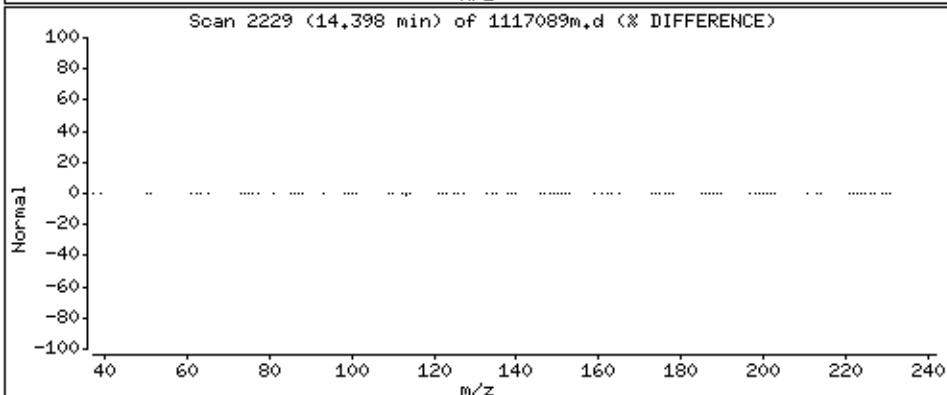
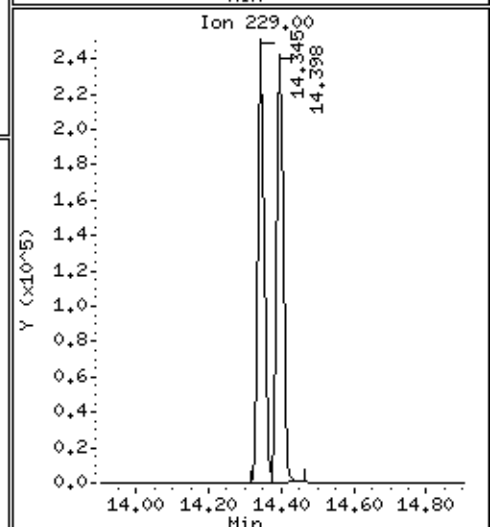
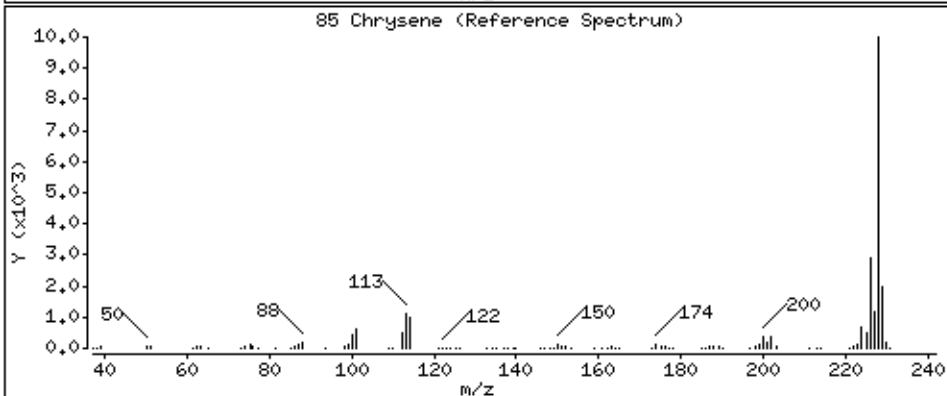
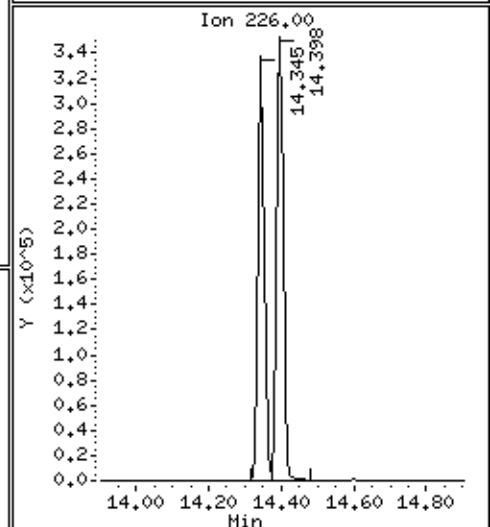
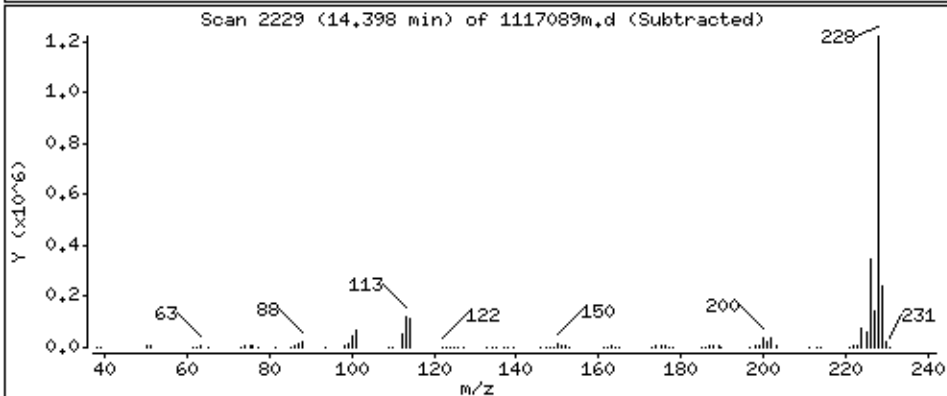
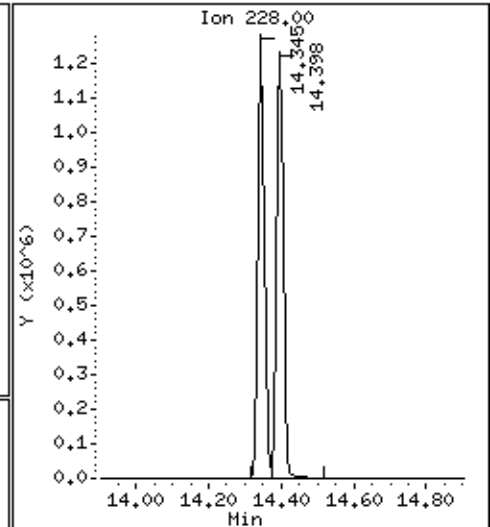
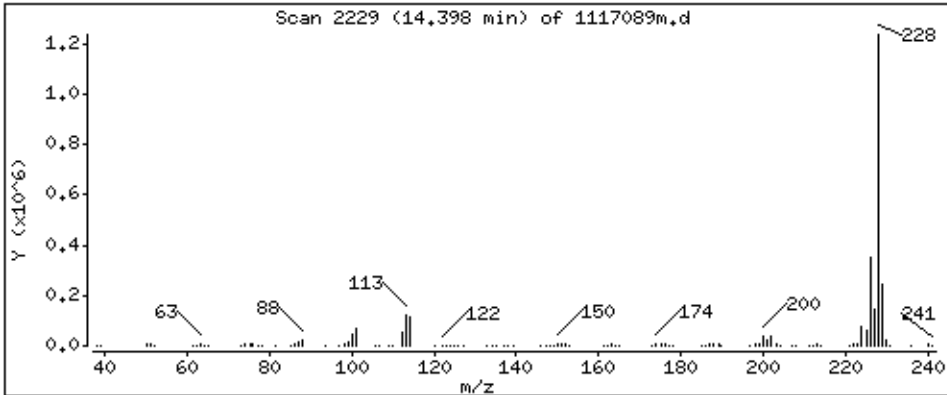
Operator: CEM

Column phase: .50um DB-5ms

Column diameter: 0,25

85 Chrysene

Concentration: 2789 ug/Kg



Date : 27-JUN-2014 17:44

Client ID: THW-5(12-14)MS

Instrument: 50MSS3.i

Sample Info: 1117089

Volume Injected (uL): 1.0

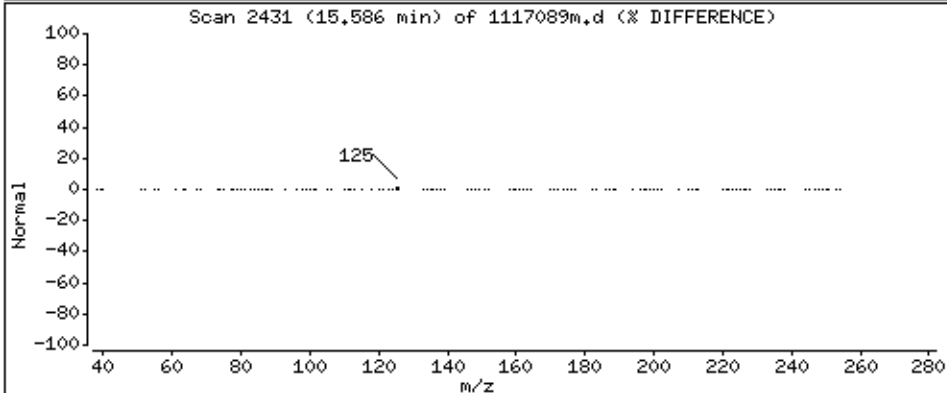
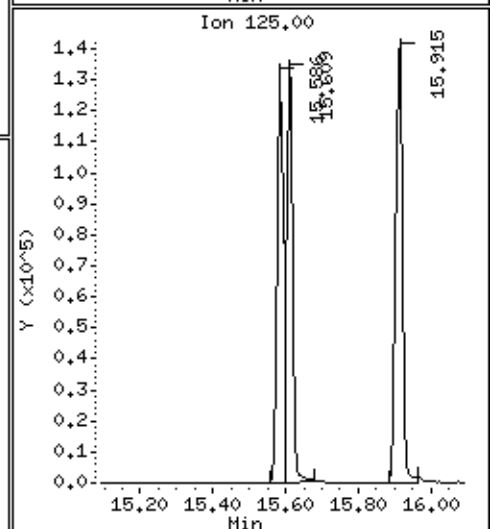
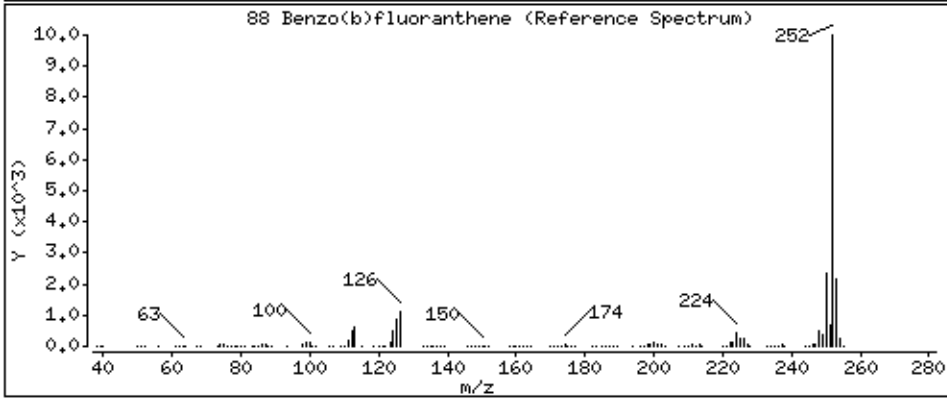
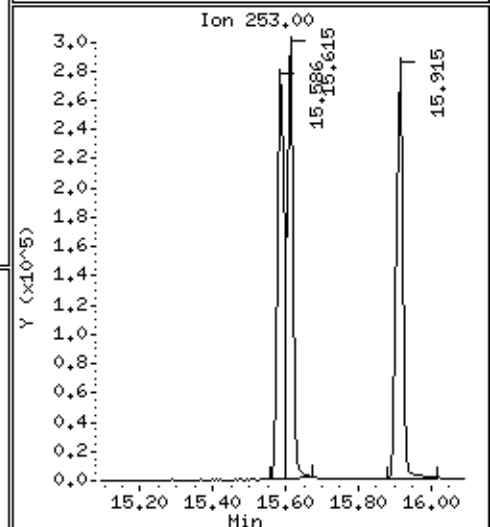
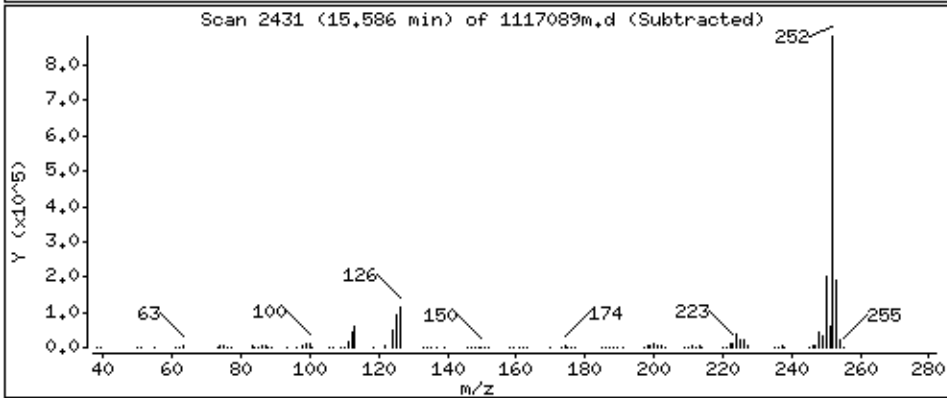
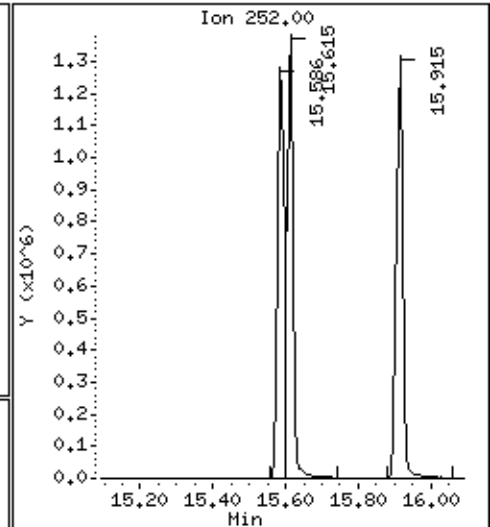
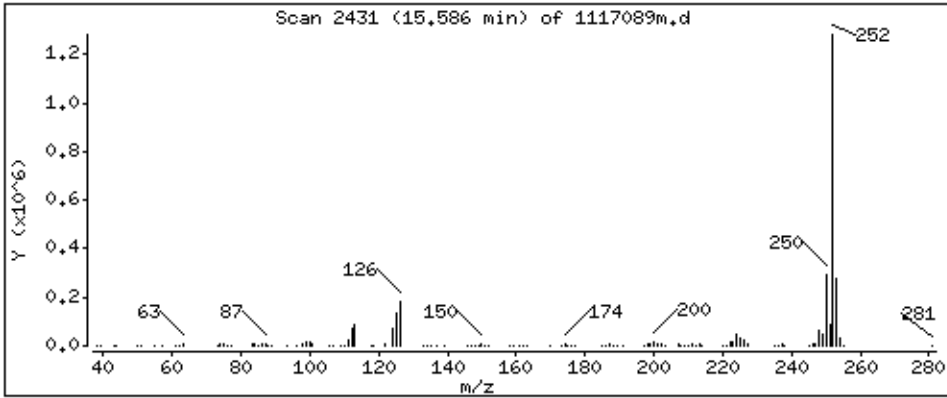
Operator: CEM

Column phase: .50um DB-5ms

Column diameter: 0,25

88 Benzo(b)fluoranthene

Concentration: 3563 ug/Kg



Date : 27-JUN-2014 17:44

Client ID: THW-5(12-14)HS

Instrument: 50MSS3.i

Sample Info: 1117089

Volume Injected (uL): 1.0

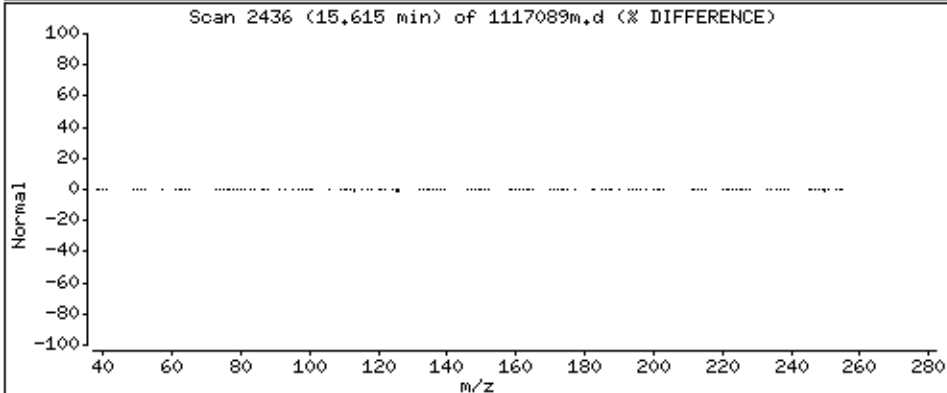
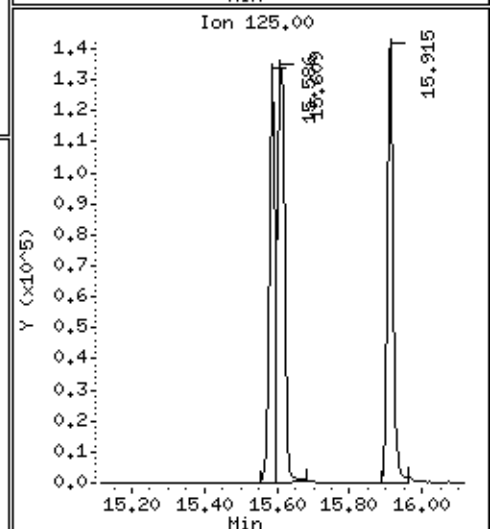
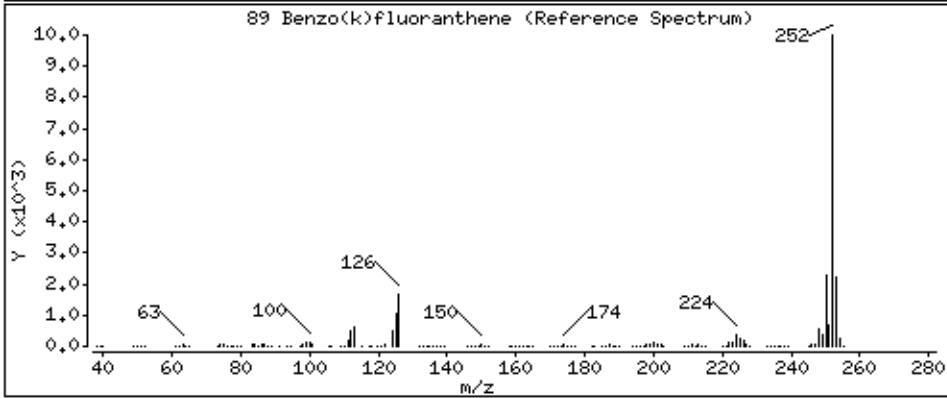
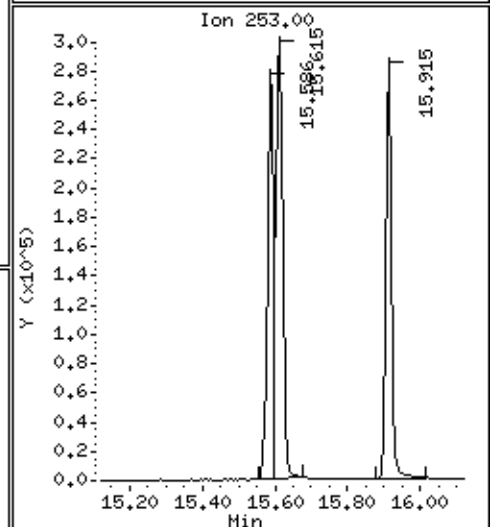
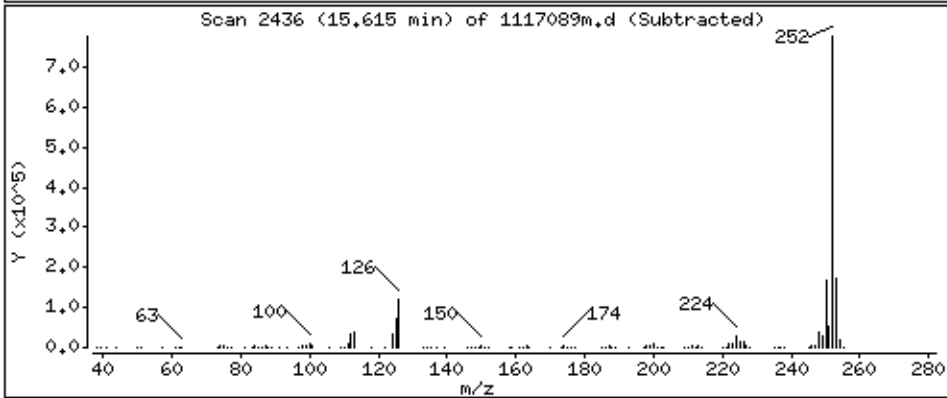
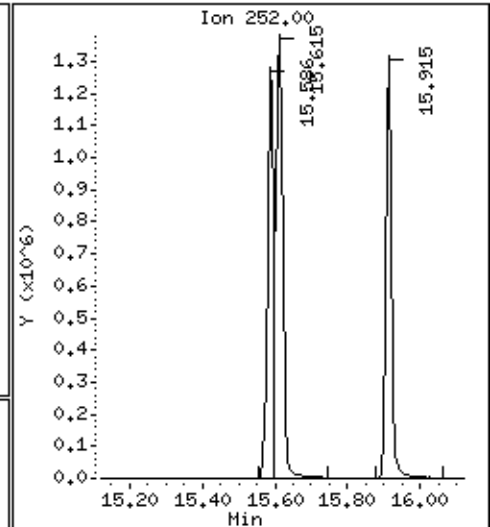
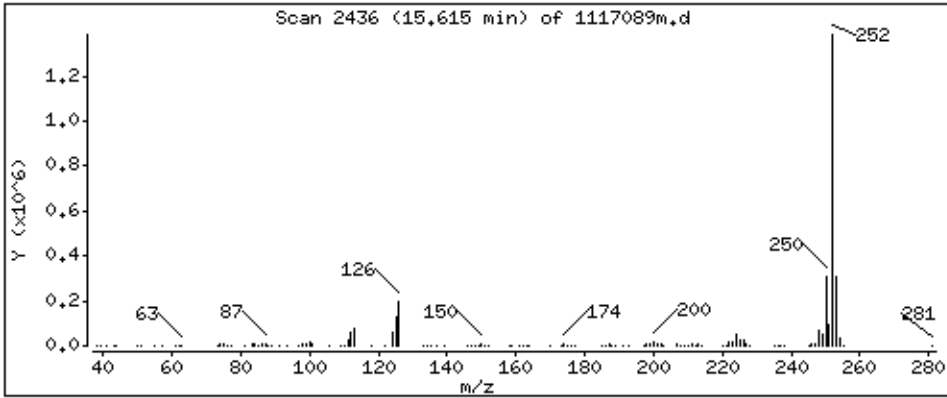
Operator: CEM

Column phase: .50um DB-5ms

Column diameter: 0,25

89 Benzo(k)fluoranthene

Concentration: 3955 ug/Kg



Date : 27-JUN-2014 17:44

Client ID: THW-5(12-14)MS

Instrument: 50MSS3.i

Sample Info: 1117089

Volume Injected (uL): 1.0

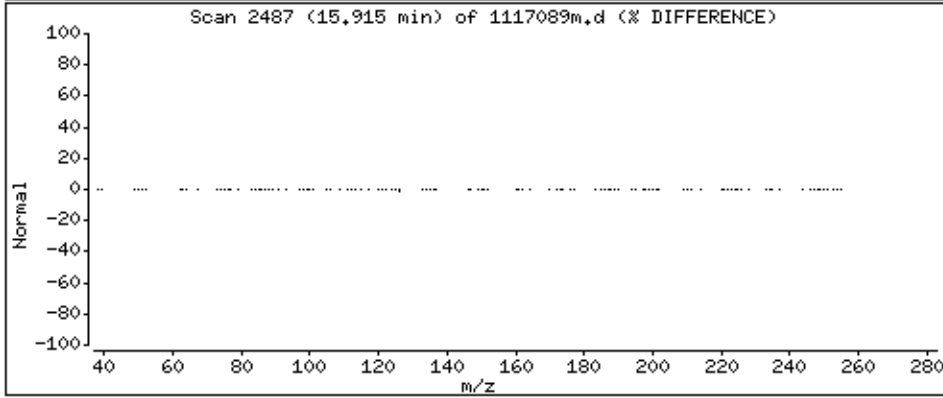
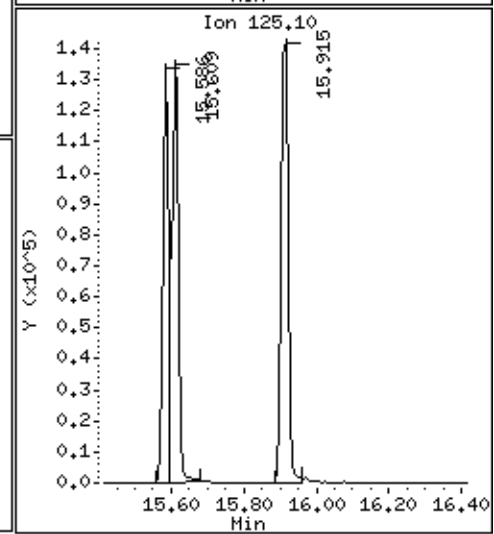
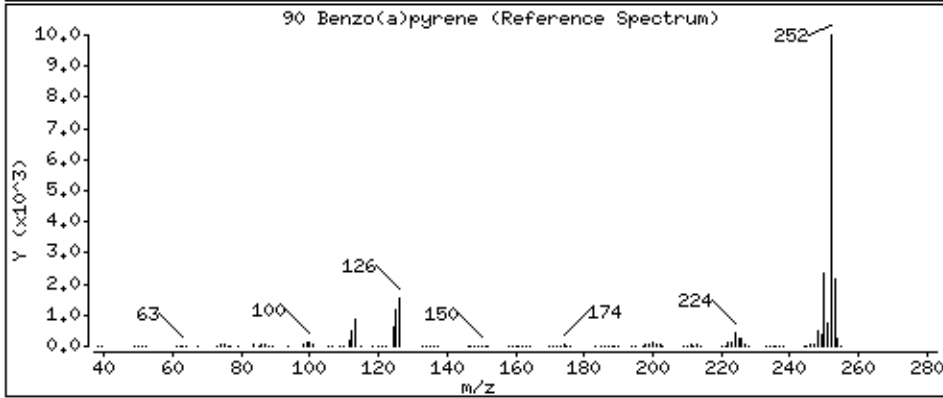
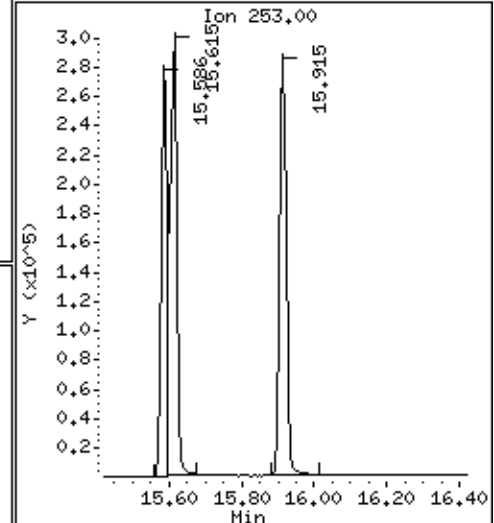
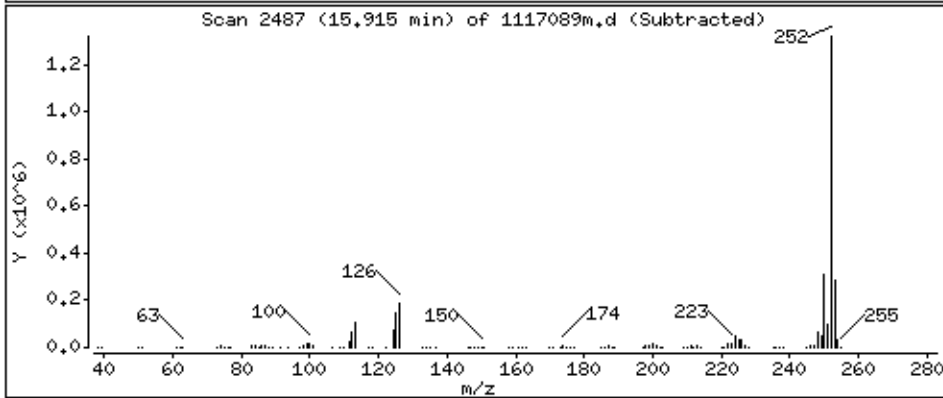
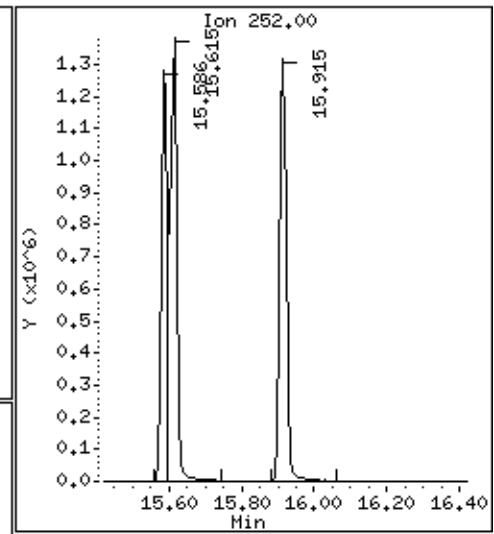
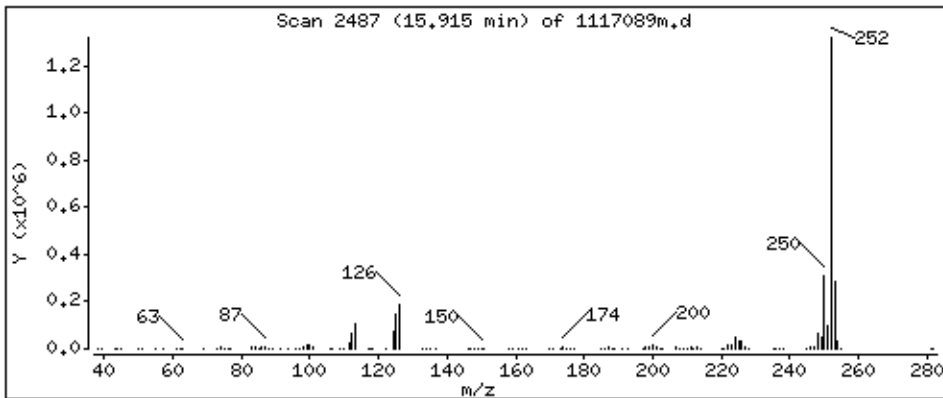
Operator: CEM

Column phase: .50um DB-5ms

Column diameter: 0,25

90 Benzo(a)pyrene

Concentration: 3948 ug/Kg



Date : 27-JUN-2014 17:44

Client ID: THW-5(12-14)MS

Instrument: 50MSS3.i

Sample Info: 1117089

Volume Injected (uL): 1.0

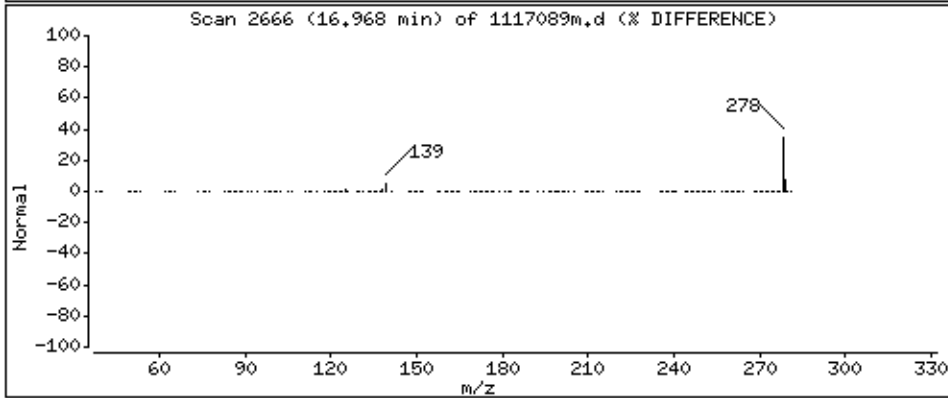
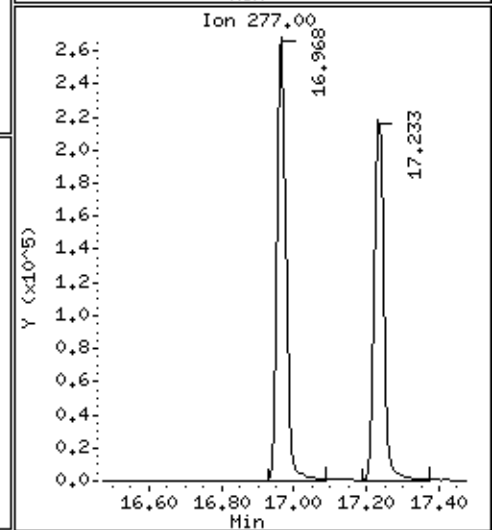
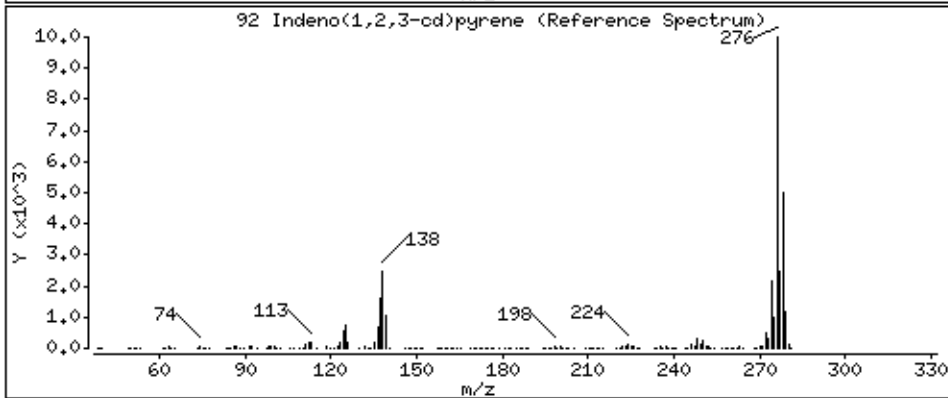
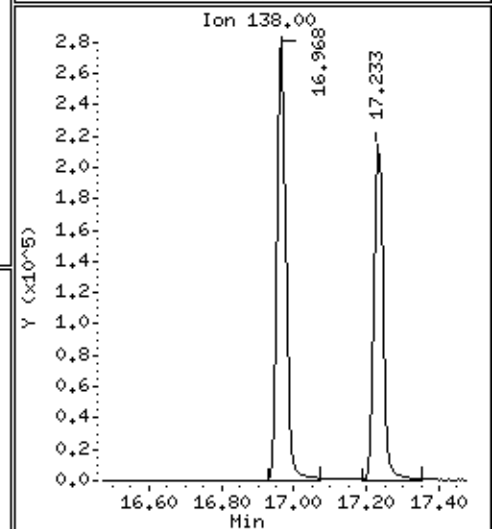
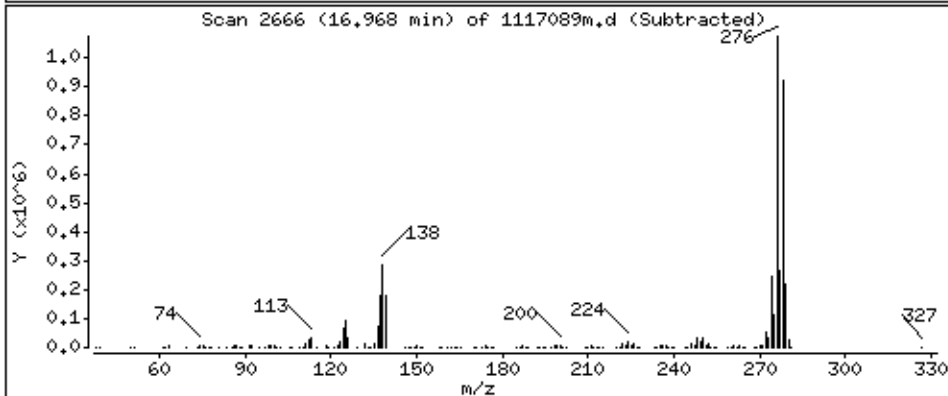
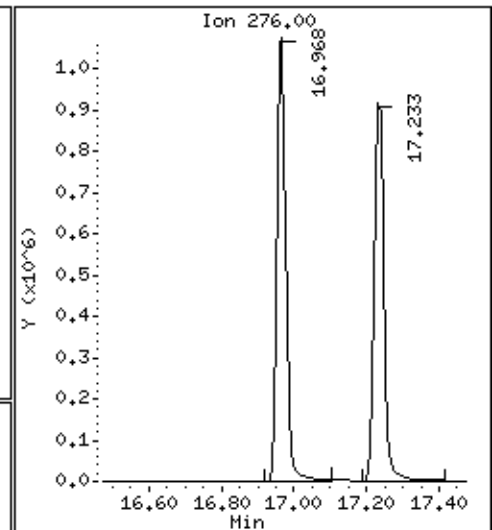
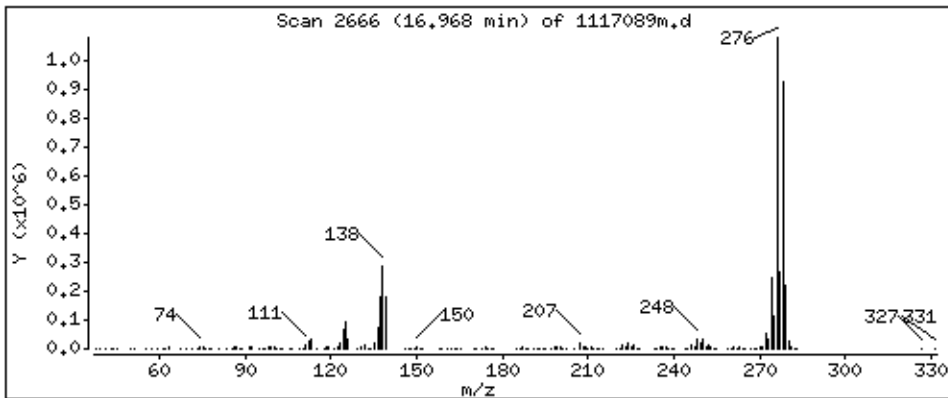
Operator: CEM

Column phase: .50um DB-5ms

Column diameter: 0,25

92 Indeno(1,2,3-cd)pyrene

Concentration: 3748 ug/Kg



Date : 27-JUN-2014 17:44

Client ID: THW-5(12-14)MS

Instrument: 50MSS3.i

Sample Info: 1117089

Volume Injected (uL): 1.0

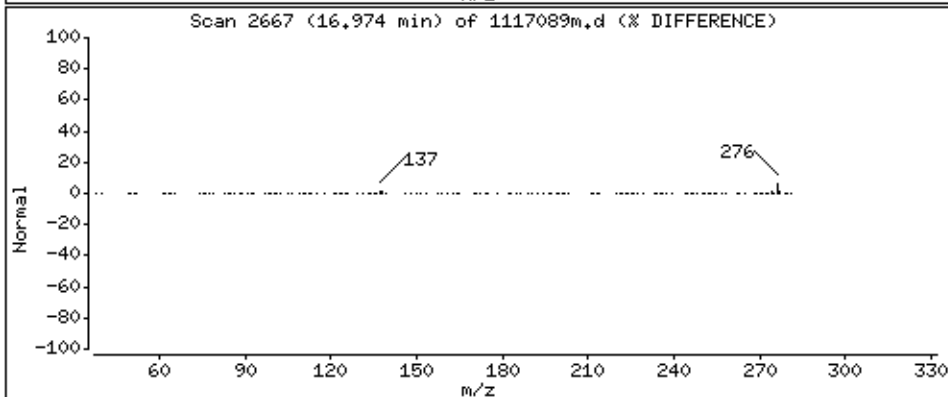
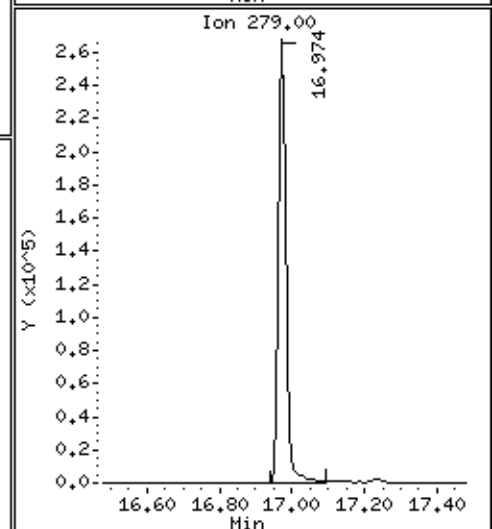
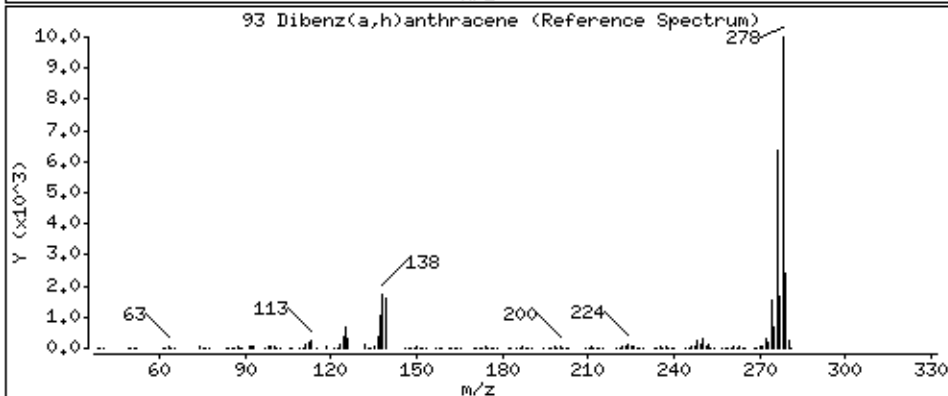
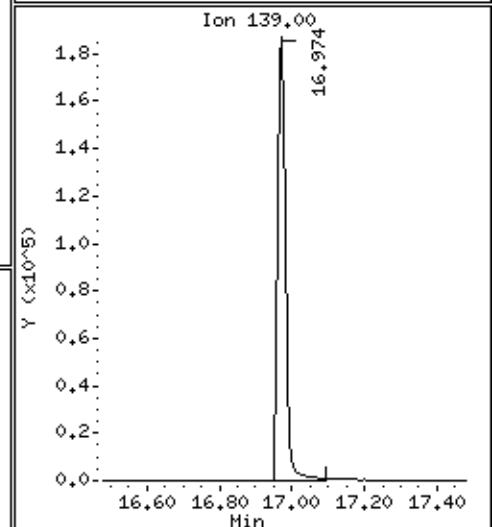
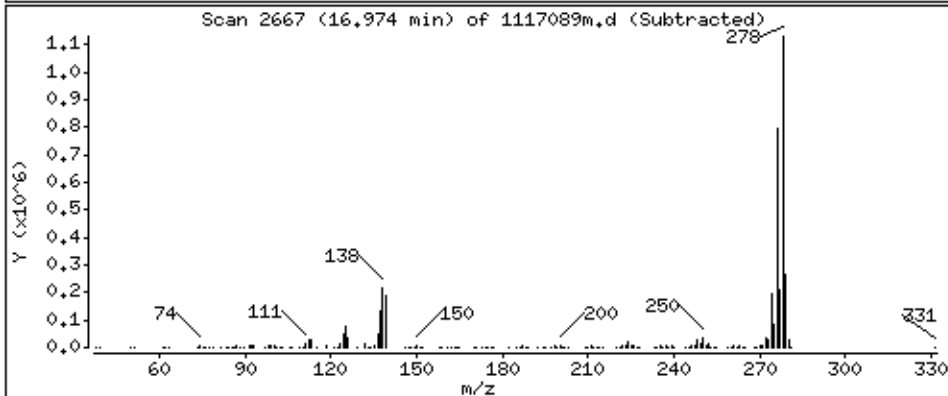
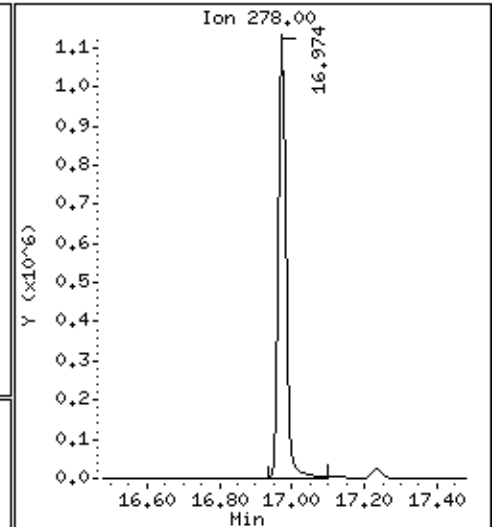
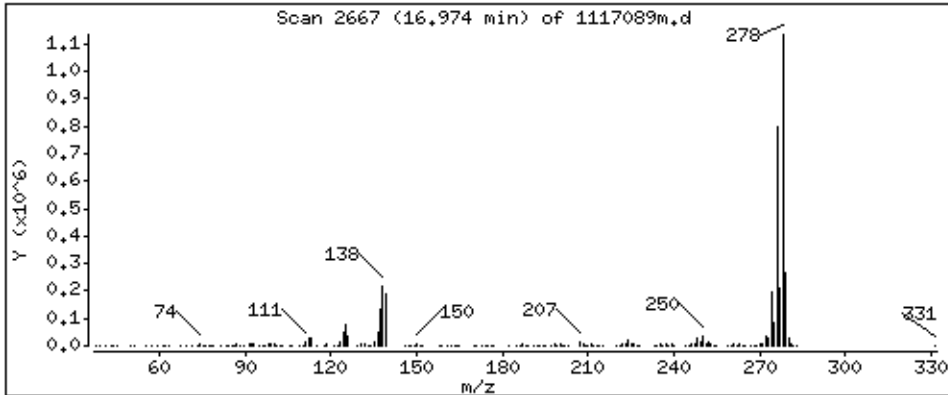
Operator: CEM

Column phase: .50um DB-5ms

Column diameter: 0,25

93 Dibenz(a,h)anthracene

Concentration: 3838 ug/Kg



Date : 27-JUN-2014 17:44

Client ID: THW-5(12-14)MS

Instrument: 50MSS3.i

Sample Info: 1117089

Volume Injected (uL): 1.0

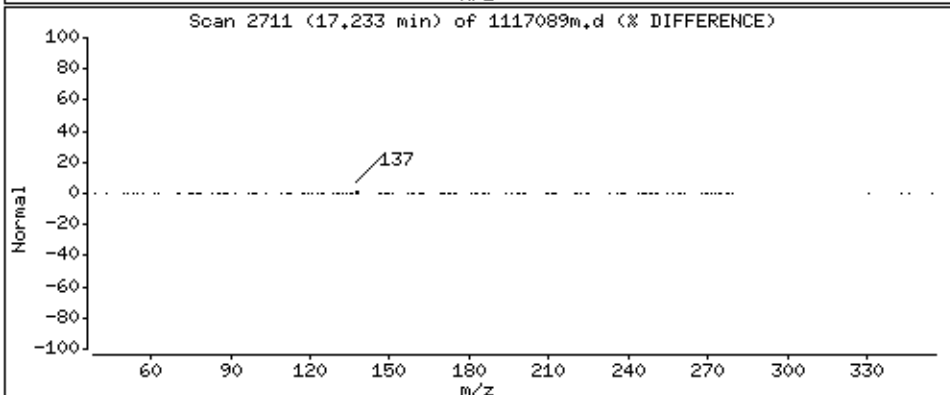
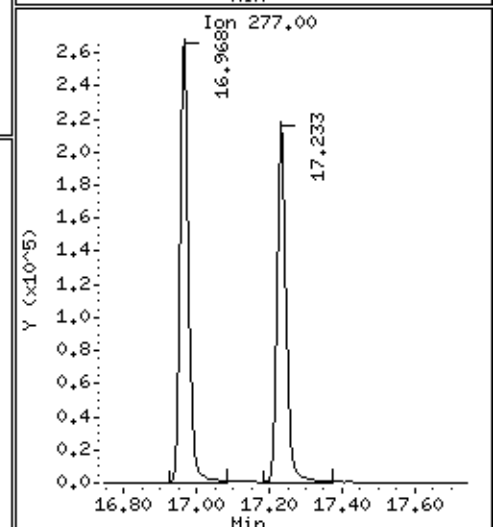
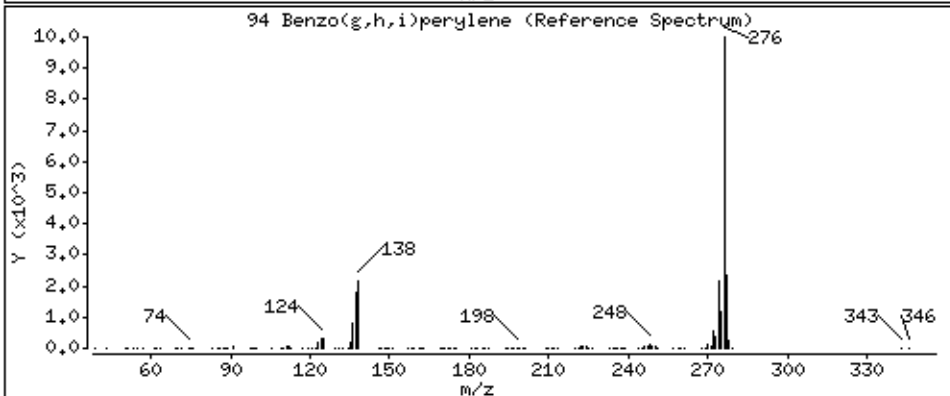
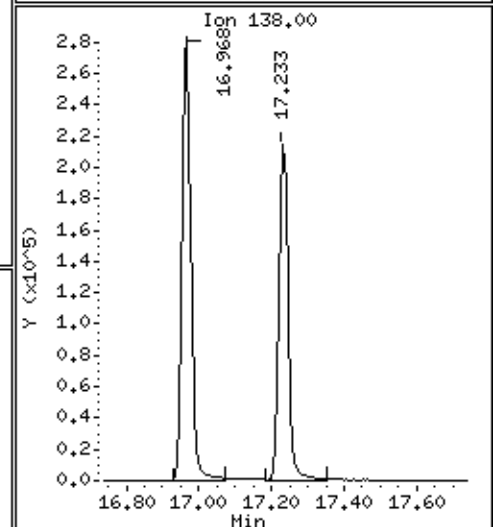
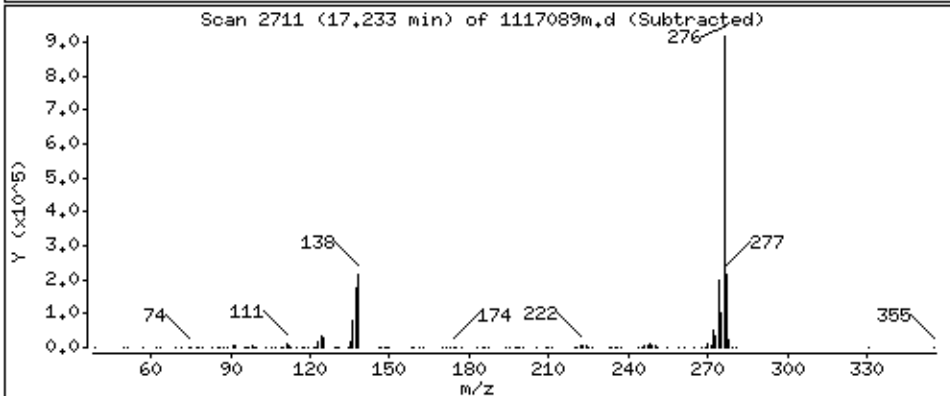
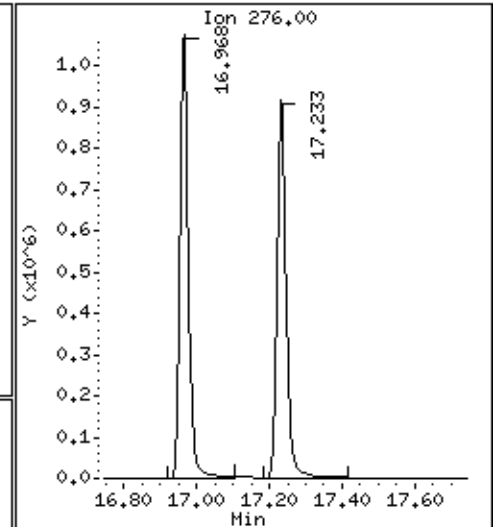
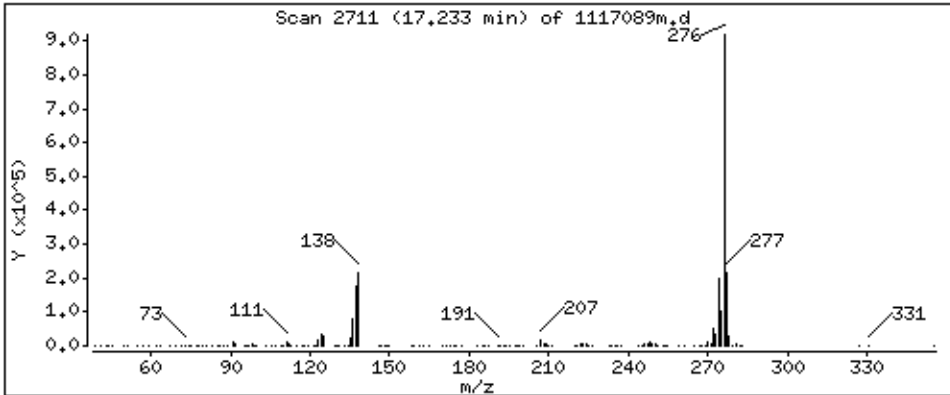
Operator: CEM

Column phase: .50um DB-5ms

Column diameter: 0,25

94 Benzo(g,h,i)perylene

Concentration: 3748 ug/Kg



MSSV FULL SCAN - FORM I SVOA-1
SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

MSD

Lab Name: Pace Analytical - Indiana
Date Received: 06/21/2014 10:54
Date Extracted: 06/25/2014 12:30
Date Analyzed: 06/27/2014 18:08
Initial wt/vol: 30.2 g Final wt/vol: 1 mL Dilution: 1

Contract: Sibley-Accucast/2339-356-03-00
Matrix: Solid SDG No.: 5099688
Lab Sample ID: 1117090
Lab File ID: 062714.B\1117090D.D
Instrument: 50MSS3 Percent Moisture: 4.7%

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
83-32-9	Acenaphthene	2630	
208-96-8	Acenaphthylene	2780	
120-12-7	Anthracene	2850	
56-55-3	Benzo(a)anthracene	2750	
50-32-8	Benzo(a)pyrene	4040	
205-99-2	Benzo(b)fluoranthene	3830	
191-24-2	Benzo(g,h,i)perylene	3850	
207-08-9	Benzo(k)fluoranthene	3920	
59-50-7	4-Chloro-3-methylphenol	2710	
95-57-8	2-Chlorophenol	2440	
218-01-9	Chrysene	2850	
53-70-3	Dibenz(a,h)anthracene	3950	
121-14-2	2,4-Dinitrotoluene	2720	
206-44-0	Fluoranthene	3060	
86-73-7	Fluorene	3000	
193-39-5	Indeno(1,2,3-cd)pyrene	3860	
91-57-6	2-Methylnaphthalene	2580	
91-20-3	Naphthalene	2380	
100-02-7	4-Nitrophenol	2680	
621-64-7	N-Nitroso-di-n-propylamine	2530	
87-86-5	Pentachlorophenol	2590	
85-01-8	Phenanthrene	2830	
108-95-2	Phenol	2550	
129-00-0	Pyrene	3120	

07/21/2014 12:56

Pace Analytical Services, Inc.

Semivolatile REPORT SW-846 Method 8270/EPA 625

Data file : \\192.168.50.6\chem\50MSS3.i\062714.b\1117090d.d
 Lab Smp Id: 1117090 Client Smp ID: TMW-5(12-14)MSD
 Inj Date : 27-JUN-2014 18:08
 Operator : CEM Inst ID: 50MSS3.i
 Smp Info : 1117090
 Misc Info : 15583
 Comment :
 Method : \\192.168.50.6\chem\50MSS3.i\062714.b\8270c.m
 Meth Date : 30-Jun-2014 13:19 50MSS3.i Quant Type: ISTD
 Cal Date : 10-JUN-2014 12:11 Cal File: 100ppm.d
 Als bottle: 15 QC Sample: MSD
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: most.sub
 Target Version: 4.14
 Processing Host: 50-SVOA-SN

Concentration Formula: Amt * DF * Uf * Vt / (Vi * Ws * (100 - M) / 100) * CpndV

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vt	1000.000	Volume of final extract (uL)
Vi	1.000	Volume Injected (uL)
Ws	30.200	Weight of sample extracted (g)
M	4.708	% Moisture
Cpnd Variable		Local Compound Variable

Compounds	QUANT	SIG	CONCENTRATIONS				ON-COLUMN (ug/ml)	FINAL (ug/Kg)
			MASS	RT	EXP RT	REL RT		
\$ 3 2-Fluorophenol (S)	112		3.386	3.380	(0.731)	222502	68.8748	2393
\$ 7 Phenol-d5 (S)	99		4.404	4.404	(0.950)	291231	72.5044	2519
8 Phenol	94		4.421	4.415	(0.954)	313891	73.3219	2548
9 2-Chlorophenol	128		4.474	4.474	(0.966)	271813	70.3515	2445
* 11 1,4-Dichlorobenzene-d4 (IS)	152		4.633	4.633	(1.000)	112490	40.0000	
12 1,4-Dichlorobenzene	146		4.651	4.657	(1.004)	286597	66.0514	2295
20 N-Nitroso-di-n-propylamine	70		5.192	5.198	(1.121)	167254	72.8337	2531
\$ 23 Nitrobenzene-d5 (S)	82		5.368	5.368	(0.824)	224728	68.2145	2370
30 1,2,4-Trichlorobenzene	180		6.445	6.451	(0.989)	256435	70.7531	2458
* 32 Naphthalene-d8 (IS)	136		6.515	6.515	(1.000)	451412	40.0000	
33 Naphthalene	128		6.551	6.557	(1.005)	782194	68.4507	2378
39 4-Chloro-3-methylphenol	107		8.139	8.139	(1.249)	234953	77.9854	2710
38 2-Methylnaphthalene	142		8.139	8.145	(1.249)	790724	74.1391	2576
40 1-Methylnaphthalene	142		8.362	8.362	(1.283)	505928	64.6896	2248
\$ 44 2-Fluorobiphenyl (S)	172		8.927	8.927	(0.904)	647540	74.7249	2596
51 Acenaphthylene	152		9.668	9.674	(0.979)	961451	79.9744	2779
* 53 Acenaphthene-d10 (IS)	164		9.880	9.886	(1.000)	267224	40.0000	
54 Acenaphthene	153		9.927	9.927	(1.005)	581727	75.7826	2633
59 4-Nitrophenol	109		10.315	10.303	(1.044)	69367	77.1018	2679

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN (ug/ml)	FINAL (ug/Kg)
58 2,4-Dinitrotoluene	165	10.250	10.250	(1.038)	199765	78.2606	2719
61 Fluorene	166	10.556	10.562	(1.068)	734355	86.3544	3001
\$ 67 2,4,6-Tribromophenol (S)	330	10.886	10.886	(0.939)	131901	83.3879	2898
71 Pentachlorophenol	266	11.503	11.503	(0.992)	145266	74.6534	2594
* 72 Phenanthrene-d10 (IS)	188	11.597	11.597	(1.000)	503355	40.0000	
73 Phenanthrene	178	11.621	11.627	(1.002)	1129580	81.5787	2835
74 Anthracene	178	11.668	11.674	(1.006)	1139039	81.9211	2847
77 Fluoranthene	202	12.850	12.856	(1.108)	1349727	88.0982	3061
79 Pyrene	202	13.080	13.080	(1.128)	1425534	89.7439	3118
\$ 80 p-Terphenyl-d14 (S)	244	13.250	13.256	(1.143)	1071066	102.116	3548
82 Benzo(a)anthracene	228	14.344	14.350	(0.999)	1491030	79.1889	2752
* 84 Chrysene-d12 (IS)	240	14.362	14.368	(1.000)	702241	40.0000	
85 Chrysene	228	14.397	14.403	(1.002)	1474997	82.1340	2854
88 Benzo(b)fluoranthene	252	15.585	15.591	(0.976)	1595033	110.172	3828 (R)
89 Benzo(k)fluoranthene	252	15.609	15.621	(0.978)	1783722	112.831	3921 (R)
90 Benzo(a)pyrene	252	15.915	15.921	(0.997)	1548793	116.278	4040 (R)
* 91 Perylene-d12 (IS)	264	15.968	15.974	(1.000)	481377	40.0000	
92 Indeno(1,2,3-cd)pyrene	276	16.962	16.973	(1.062)	1829864	111.172	3863 (R)
93 Dibenz(a,h)anthracene	278	16.974	16.979	(1.063)	1528594	113.749	3952 (R)
94 Benzo(g,h,i)perylene	276	17.232	17.244	(1.079)	1579290	110.807	3850 (R)

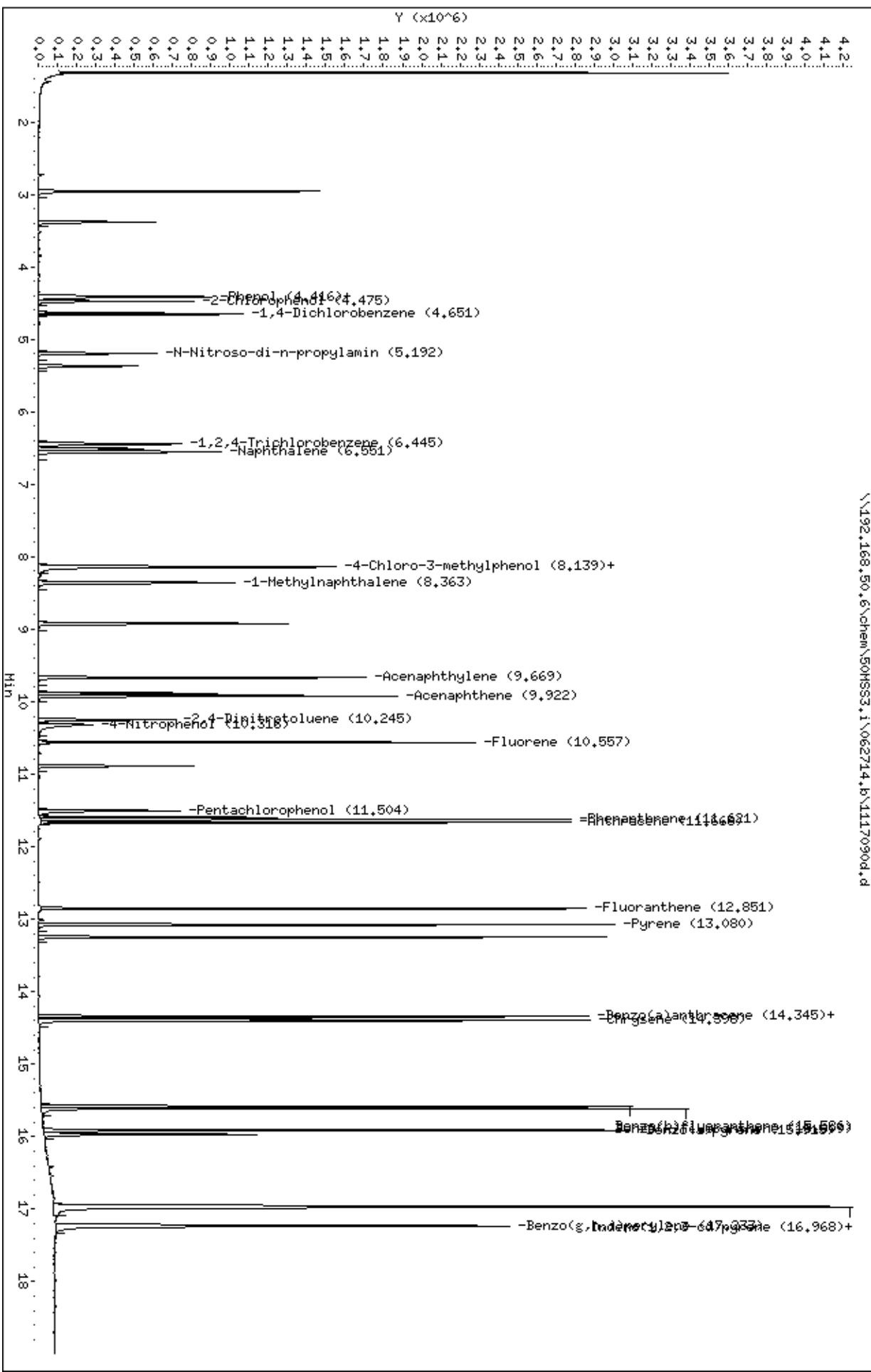
QC Flag Legend

R - Spike/Surrogate failed recovery limits.

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 Client ID: TMM-5(12-14)MSD
 Sample Info: 1117090
 Volume Injected (uL): 1.0
 Column phase: 50um DB-5ms

Instrument: 50HSS3.1
 Operator: CEH
 Column diameter: 0.25

\\192.168.50.6\chem\50HSS3.1\062714.B\1117090.d



Date : 27-JUN-2014 18:08

Client ID: THW-5(12-14)HSD

Instrument: 50MSS3.i

Sample Info: 1117090

Volume Injected (uL): 1.0

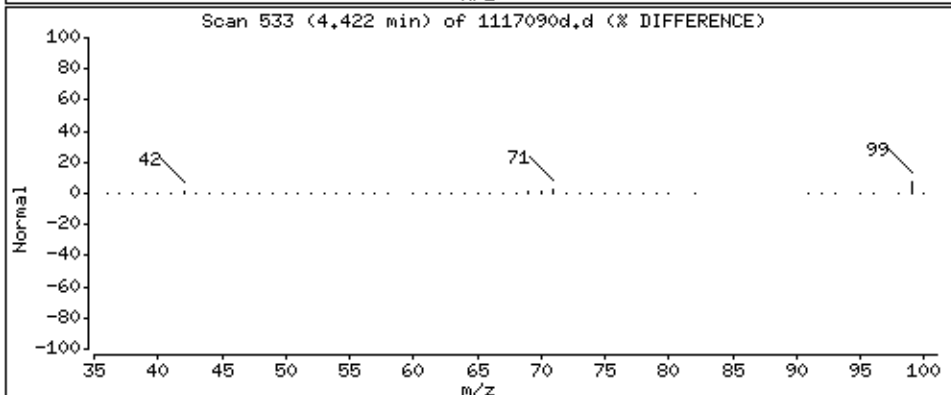
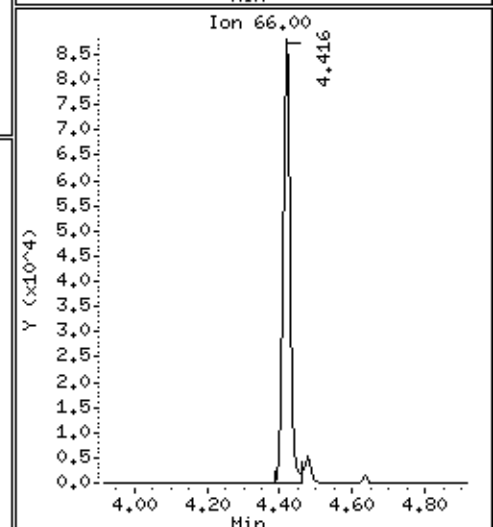
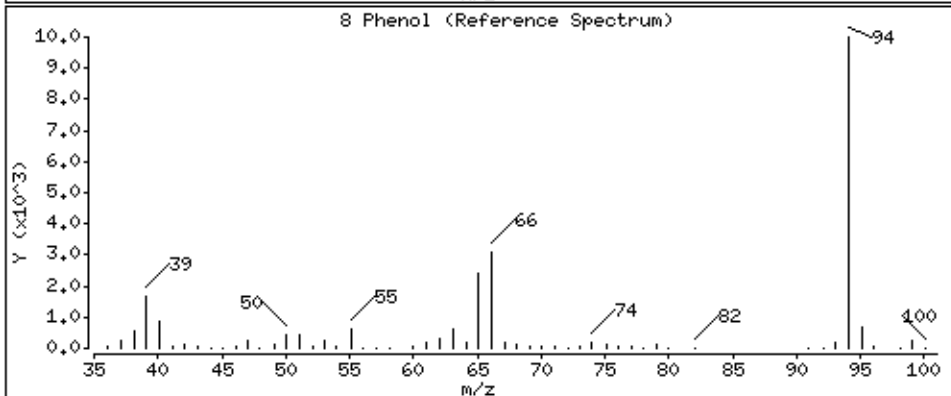
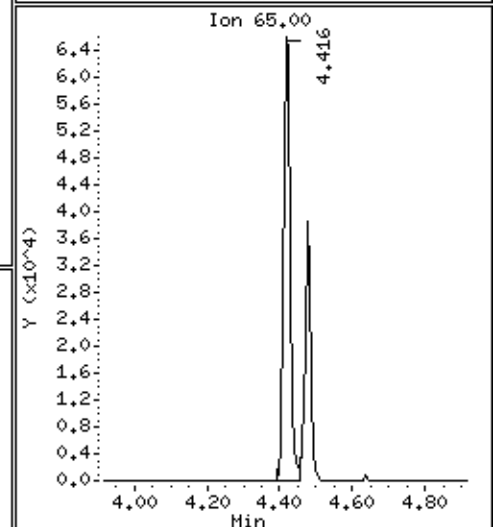
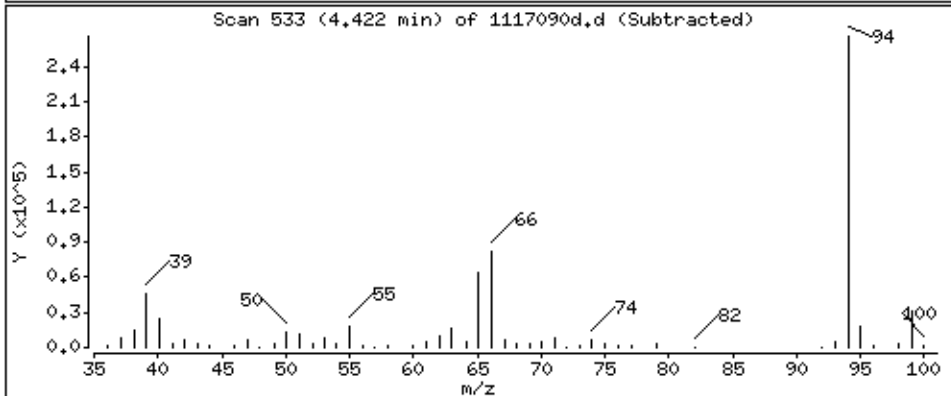
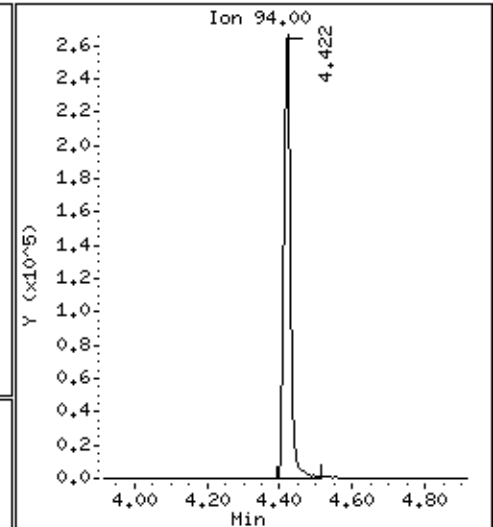
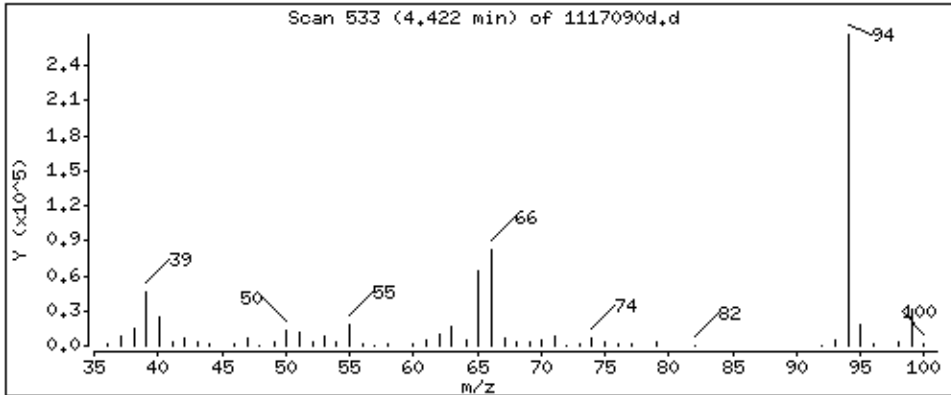
Operator: CEM

Column phase: .50um DB-5ms

Column diameter: 0,25

8 Phenol

Concentration: 2548 ug/Kg



Date : 27-JUN-2014 18:08

Client ID: THW-5(12-14)HSD

Instrument: 50MSS3.i

Sample Info: 1117090

Volume Injected (uL): 1.0

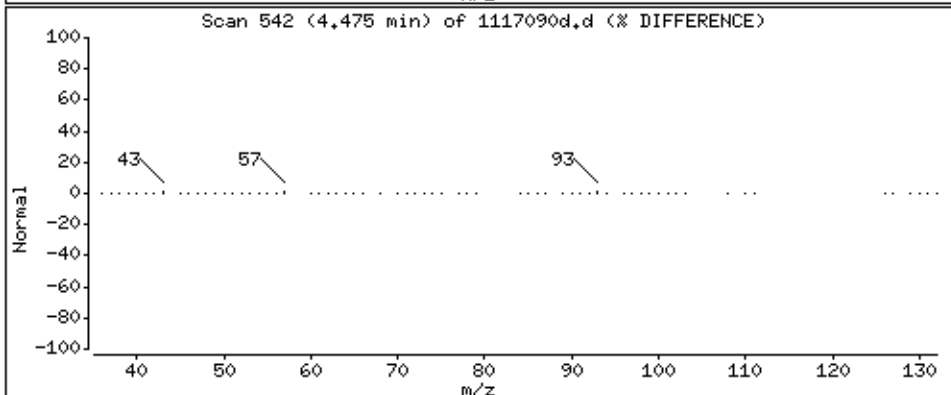
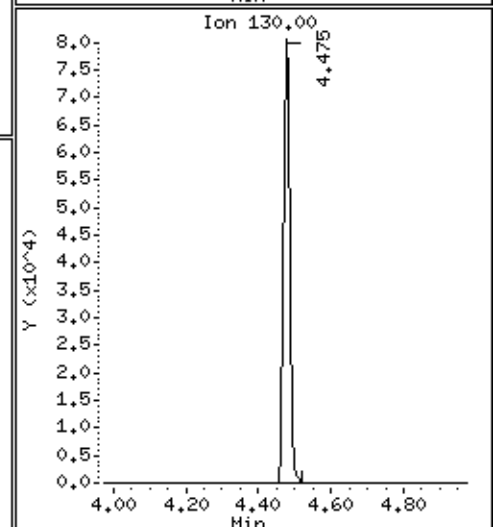
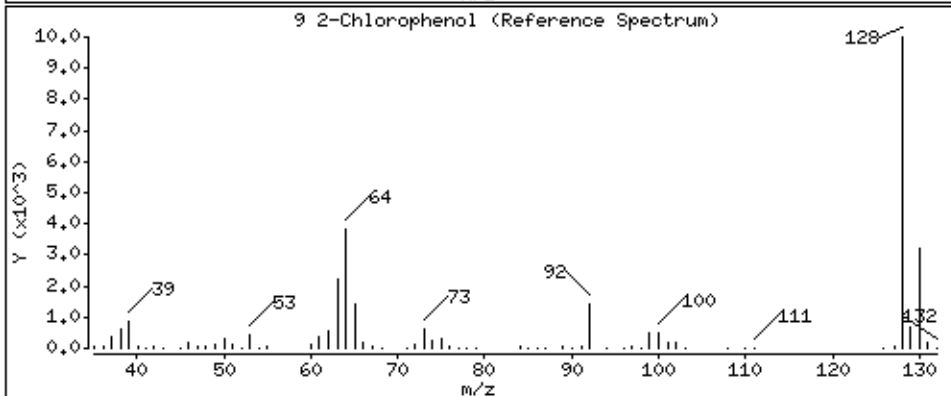
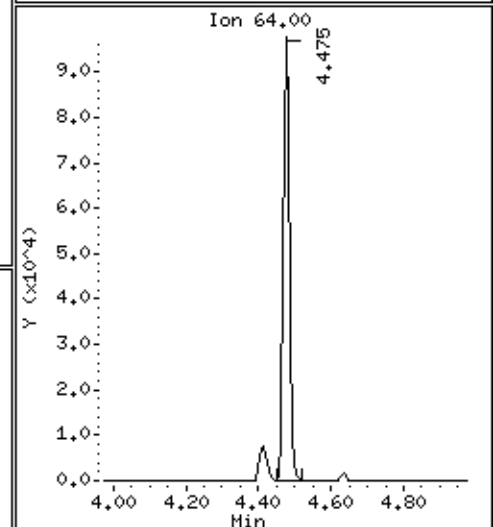
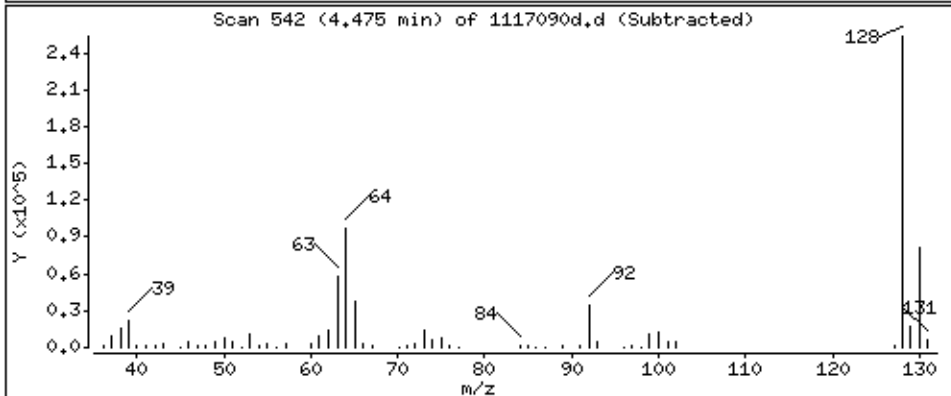
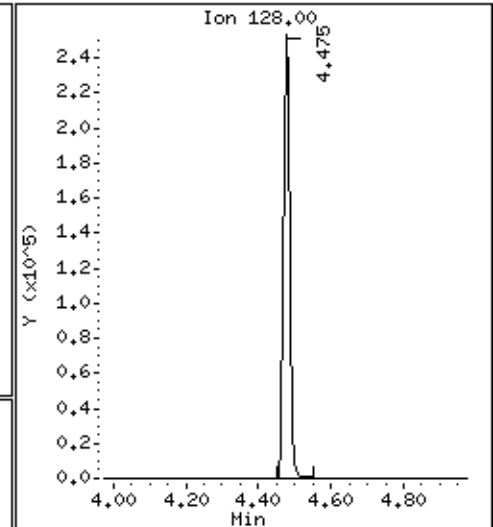
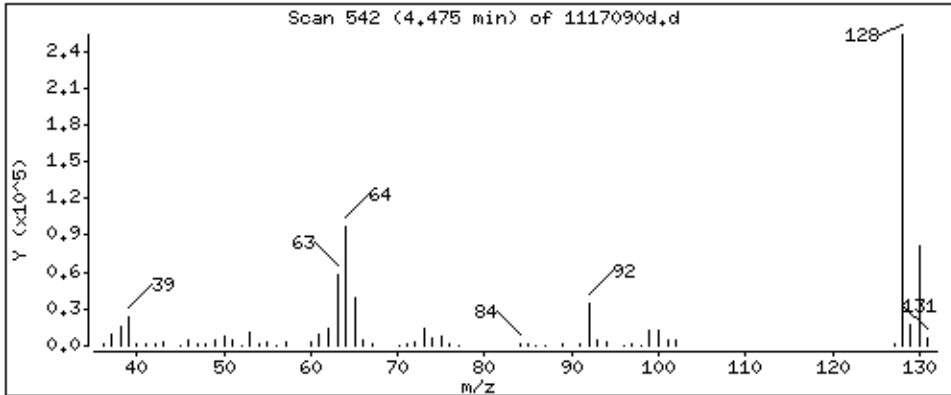
Operator: CEM

Column phase: .50um DB-5ms

Column diameter: 0,25

9 2-Chlorophenol

Concentration: 2445 ug/Kg



Date : 27-JUN-2014 18:08

Client ID: THW-5(12-14)HSD

Instrument: 50MSS3.i

Sample Info: 1117090

Volume Injected (uL): 1.0

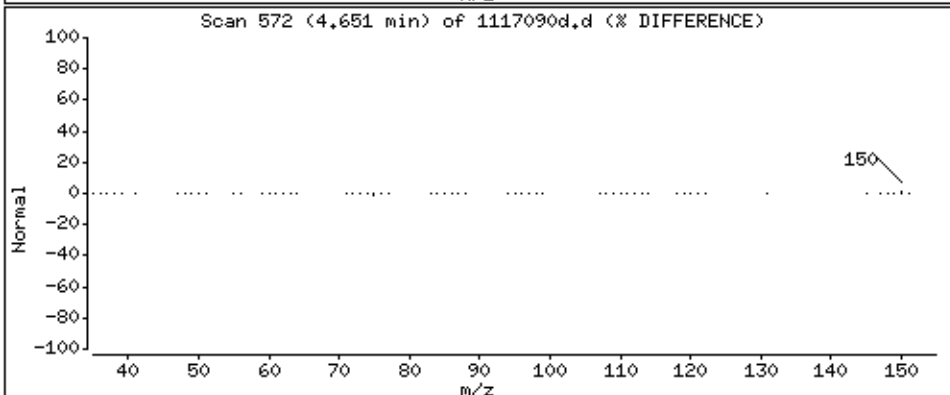
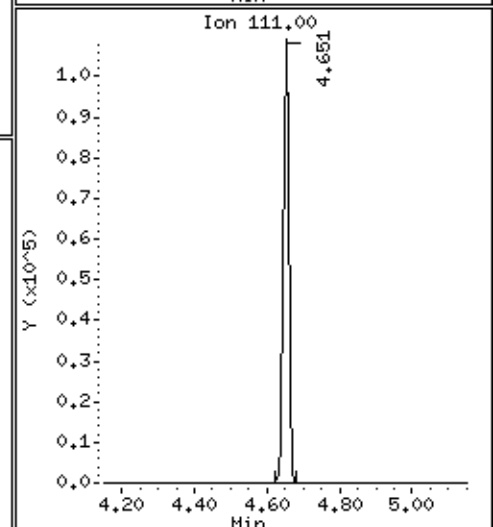
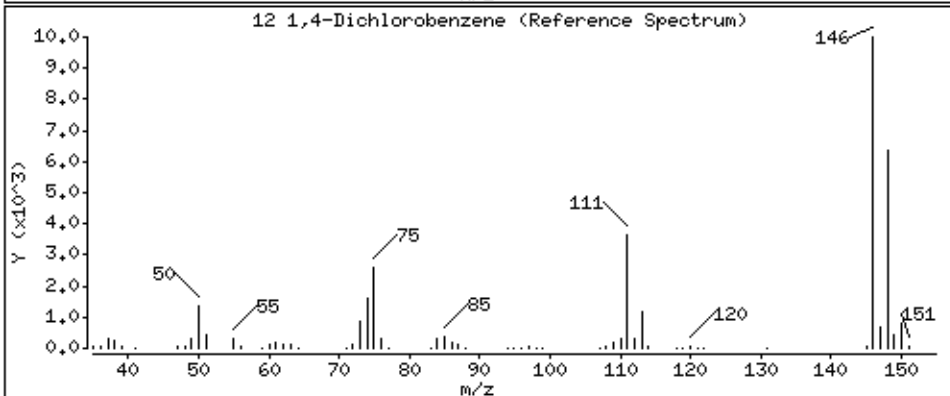
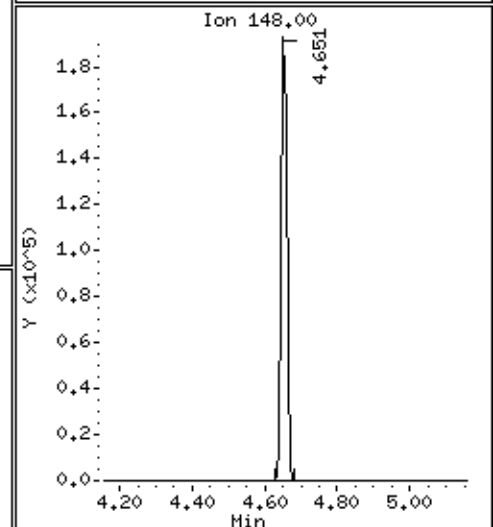
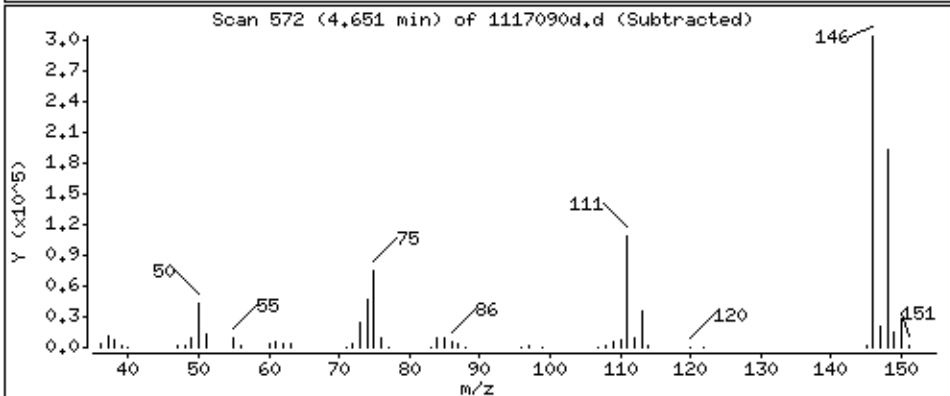
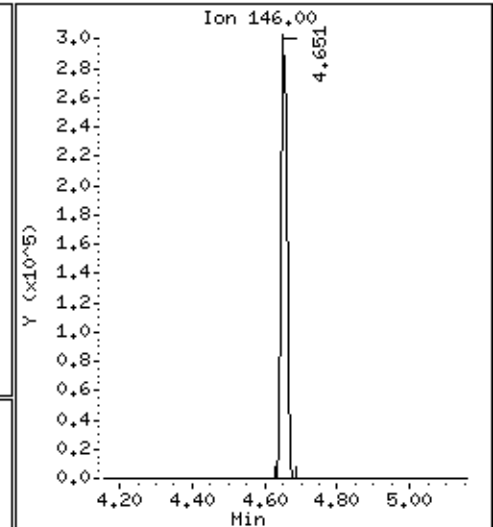
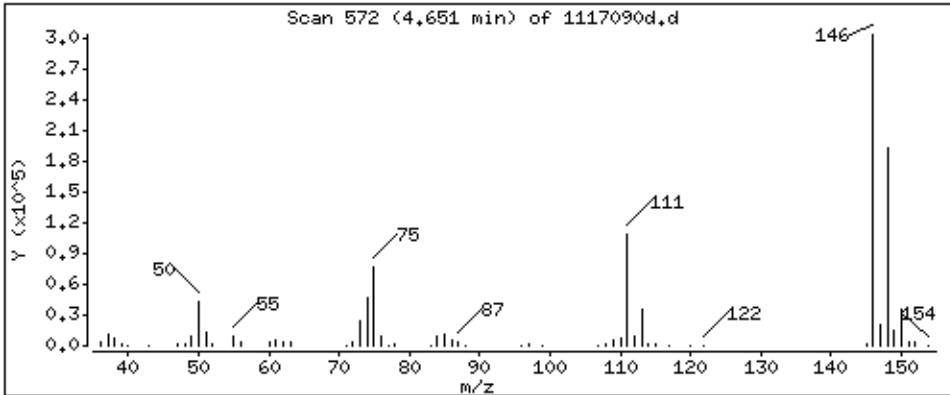
Operator: CEM

Column phase: .50um DB-5ms

Column diameter: 0,25

12 1,4-Dichlorobenzene

Concentration: 2295 ug/Kg



Date : 27-JUN-2014 18:08

Client ID: THW-5(12-14)HSD

Instrument: 50MSS3.i

Sample Info: 1117090

Volume Injected (uL): 1.0

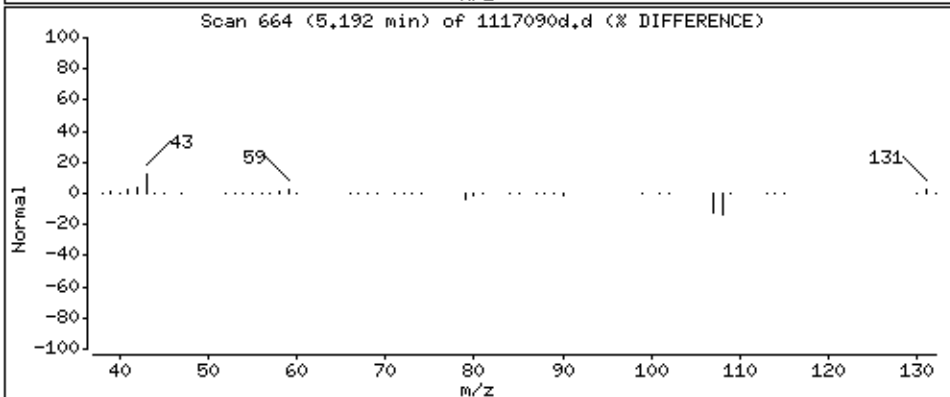
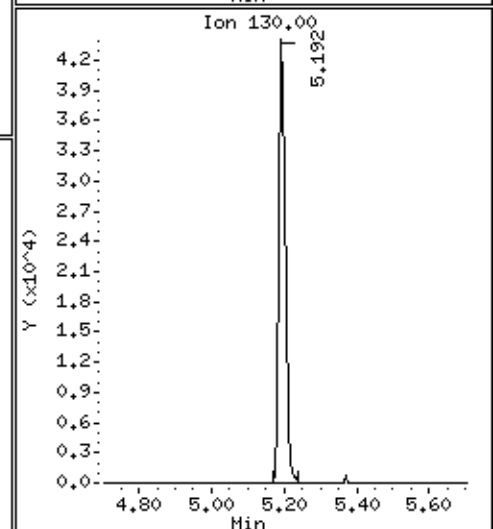
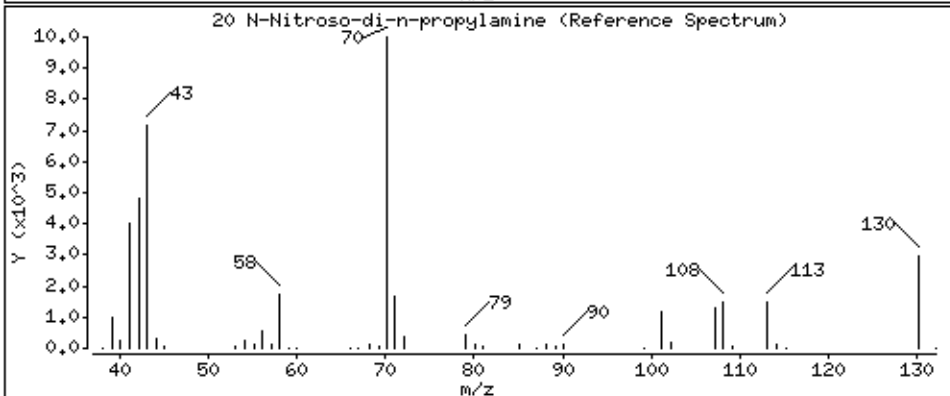
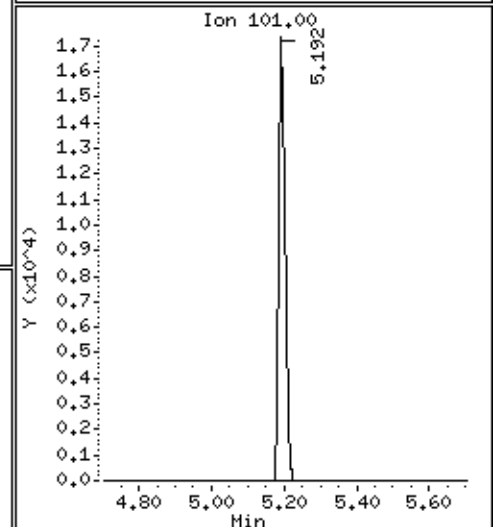
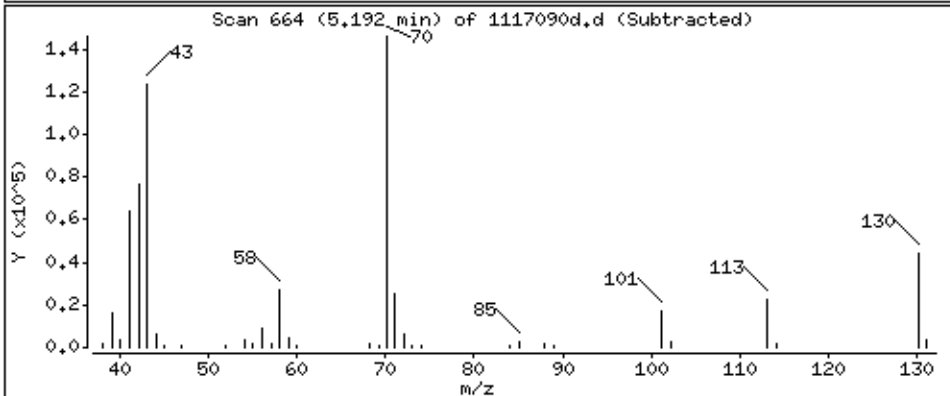
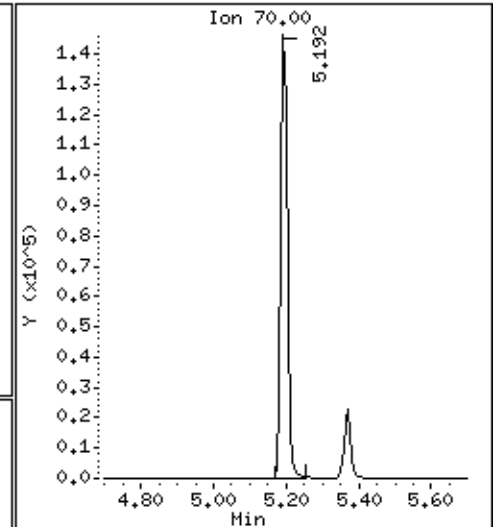
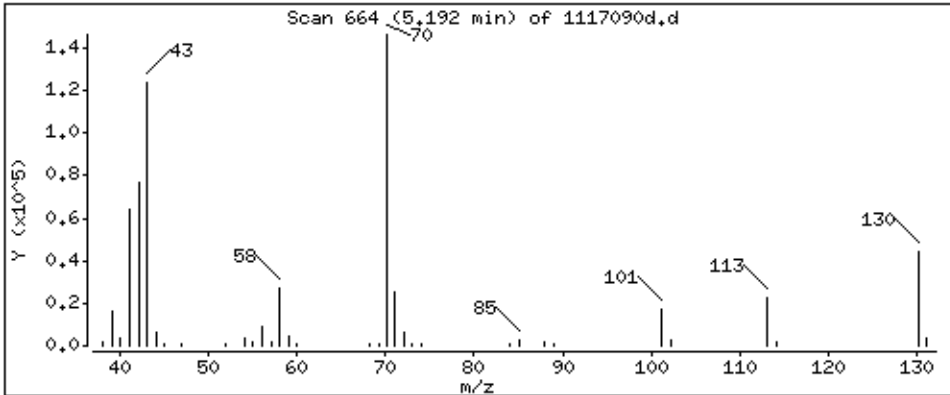
Operator: CEM

Column phase: .50um DB-5ms

Column diameter: 0,25

20 N-Nitroso-di-n-propylamine

Concentration: 2531 ug/Kg



Date : 27-JUN-2014 18:08

Client ID: THW-5(12-14)HSD

Instrument: 50MSS3.i

Sample Info: 1117090

Volume Injected (uL): 1.0

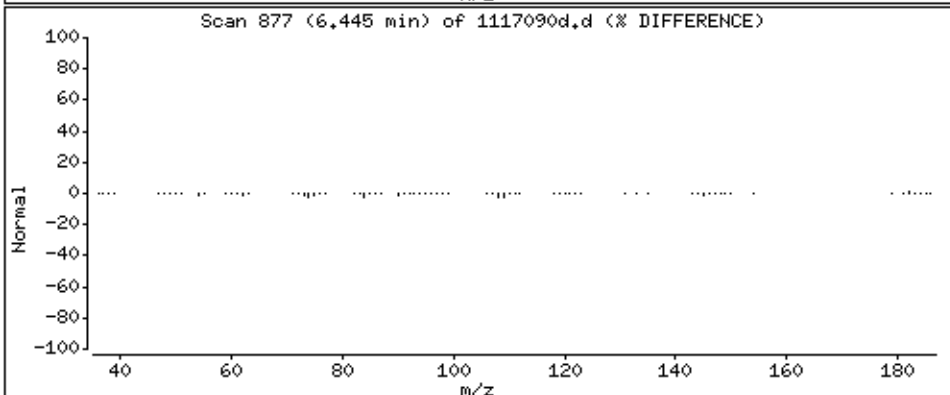
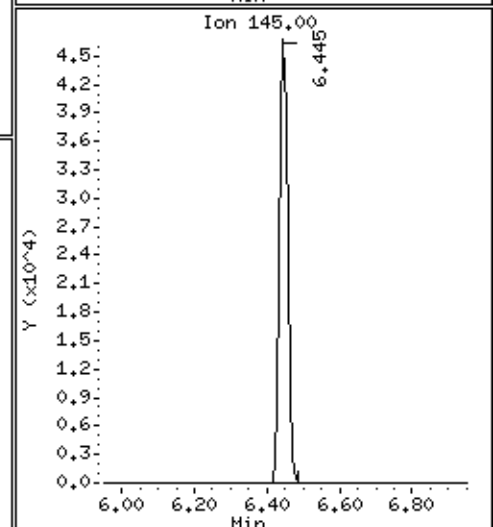
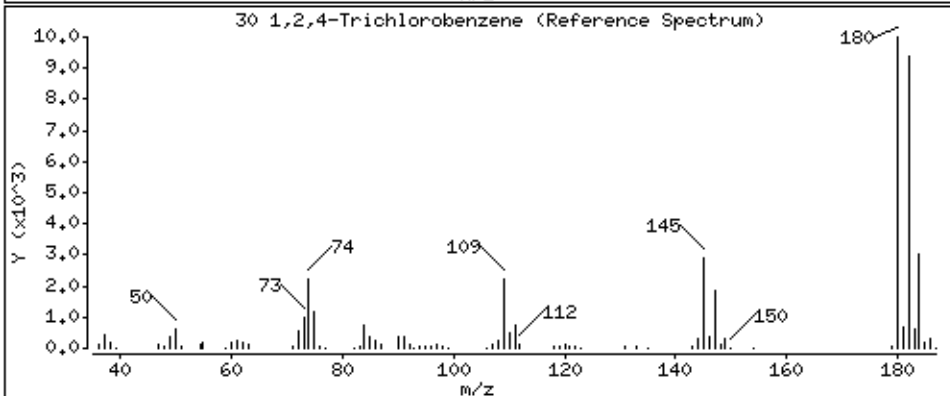
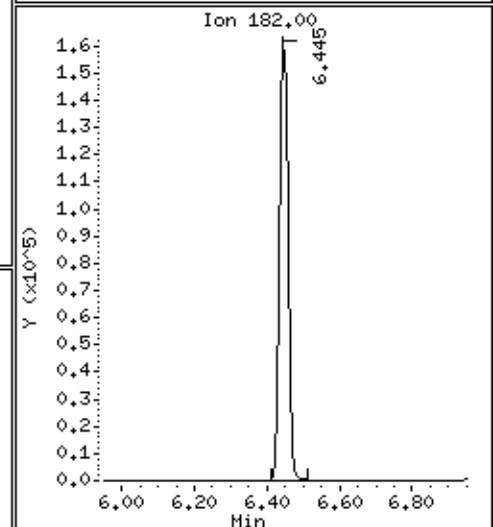
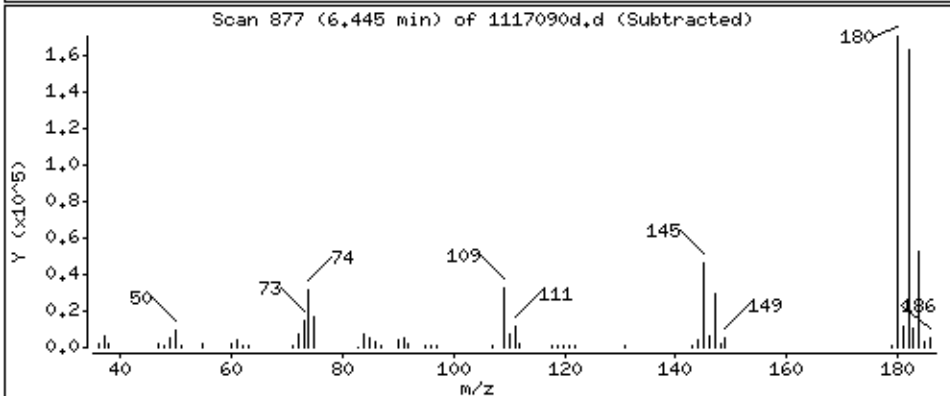
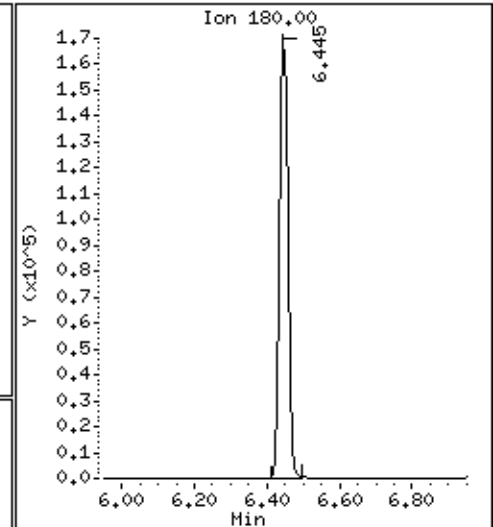
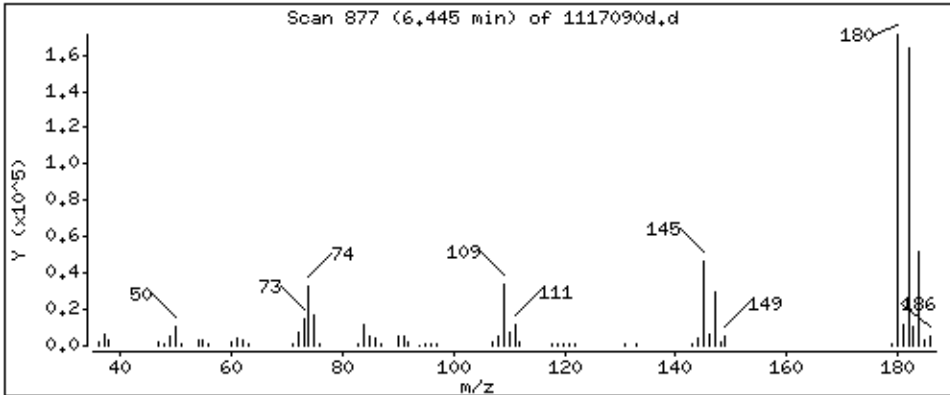
Operator: CEM

Column phase: .50um DB-5ms

Column diameter: 0,25

30 1,2,4-Trichlorobenzene

Concentration: 2458 ug/Kg



Date : 27-JUN-2014 18:08

Client ID: THW-5(12-14)HSD

Instrument: 50MSS3.i

Sample Info: 1117090

Volume Injected (uL): 1.0

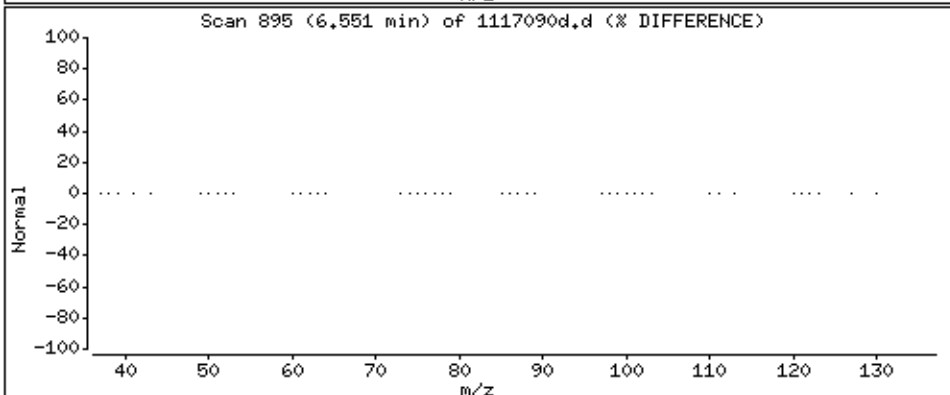
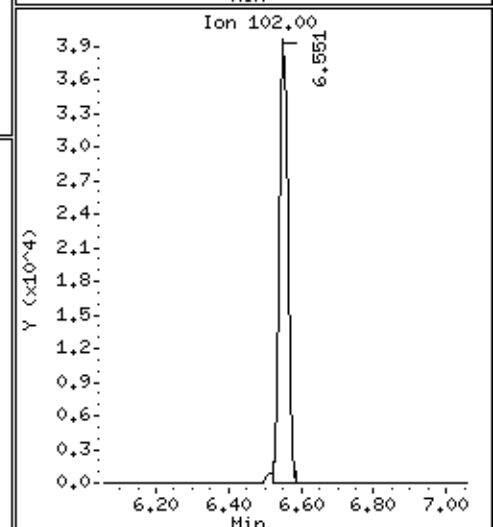
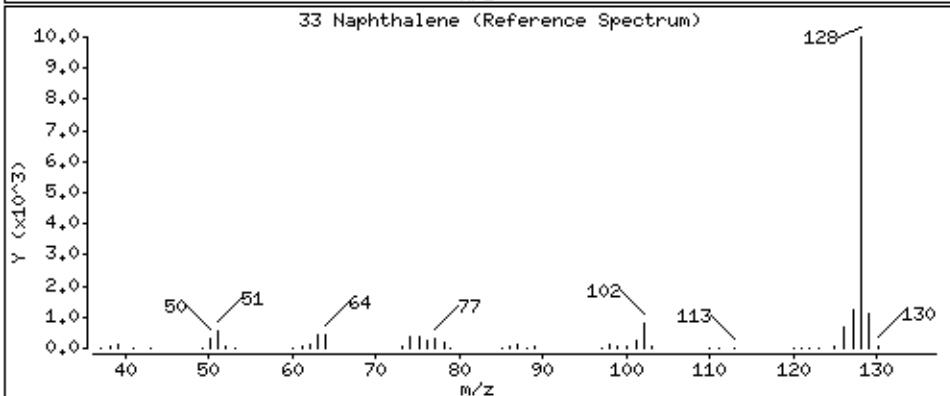
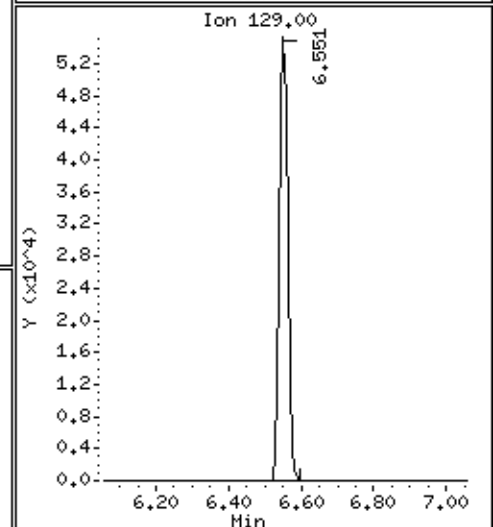
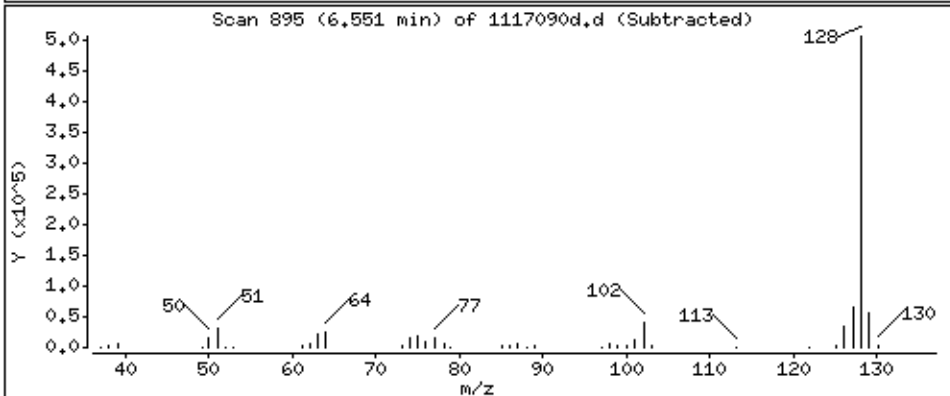
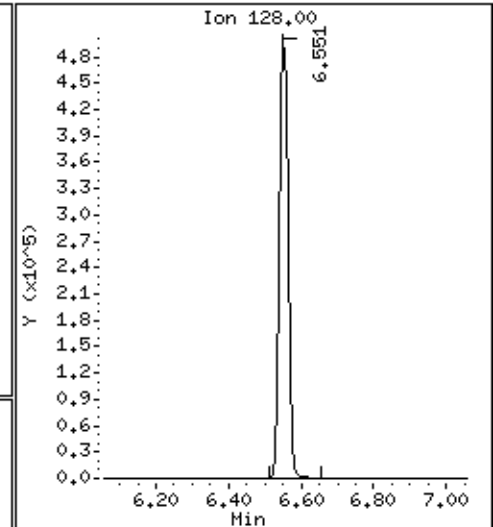
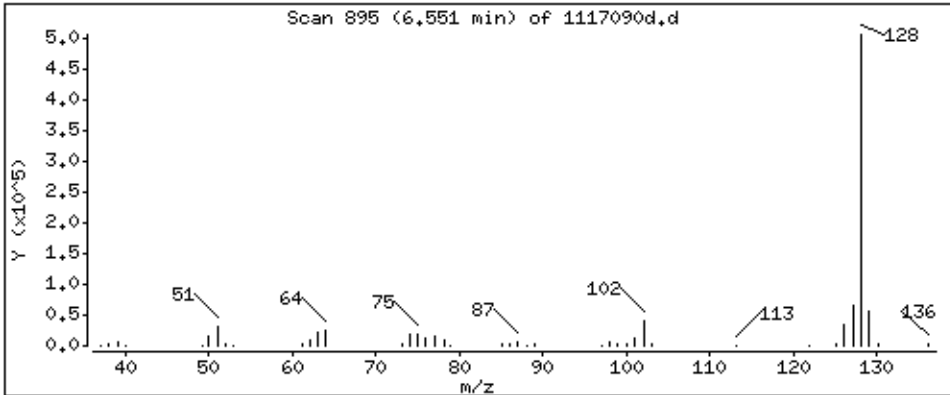
Operator: CEM

Column phase: .50um DB-5ms

Column diameter: 0,25

33 Naphthalene

Concentration: 2378 ug/Kg



Date : 27-JUN-2014 18:08

Client ID: THW-5(12-14)HSD

Instrument: 50MSS3.i

Sample Info: 1117090

Volume Injected (uL): 1.0

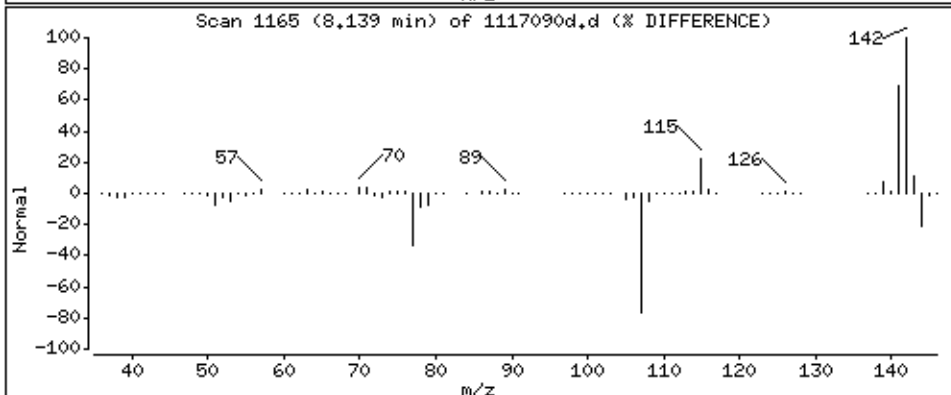
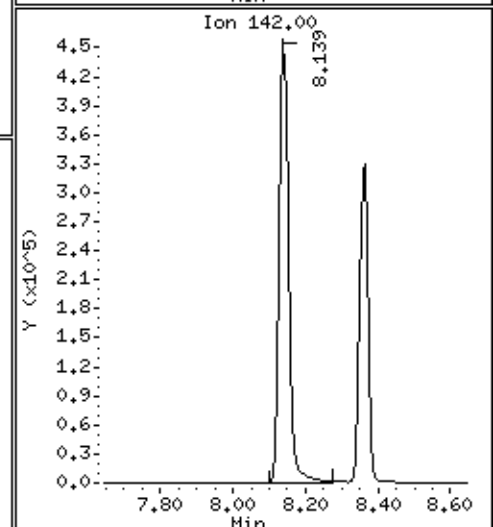
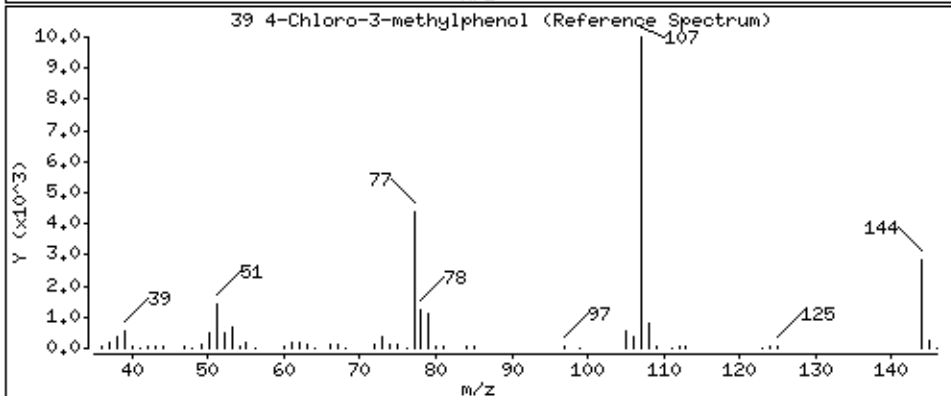
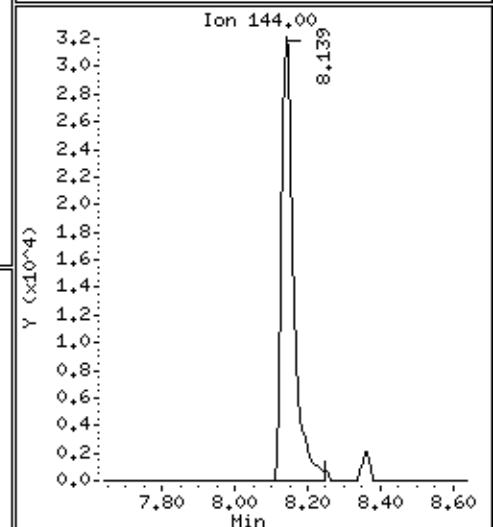
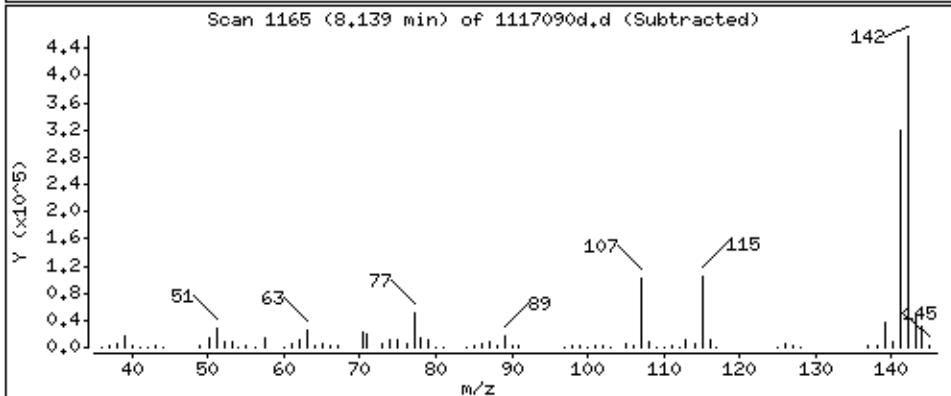
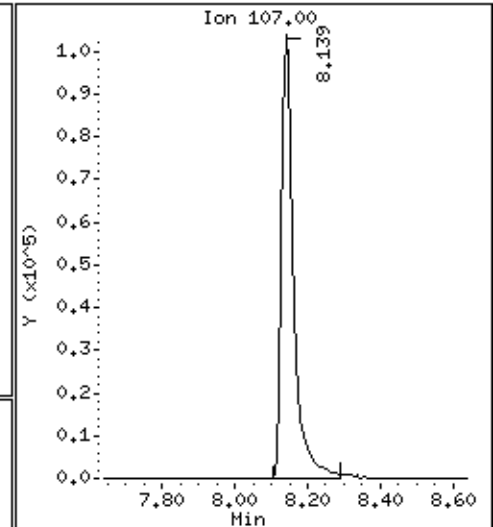
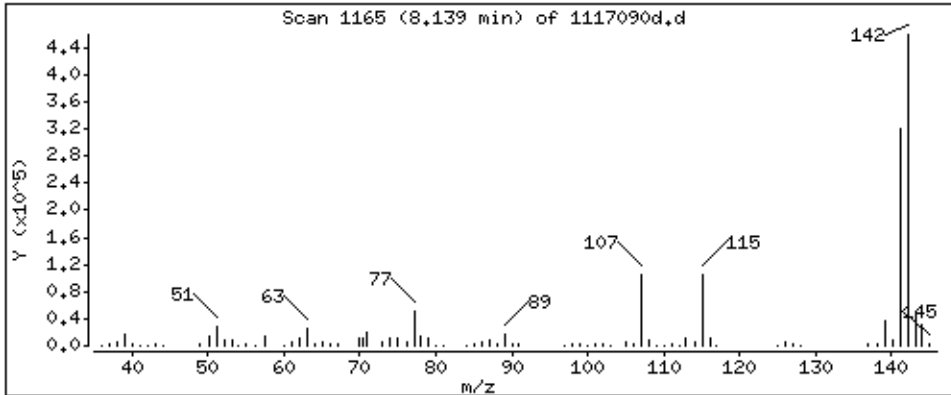
Operator: CEM

Column phase: .50um DB-5ms

Column diameter: 0,25

39 4-Chloro-3-methylphenol

Concentration: 2710 ug/Kg



Date : 27-JUN-2014 18:08

Client ID: THW-5(12-14)HSD

Instrument: 50MSS3.i

Sample Info: 1117090

Volume Injected (uL): 1.0

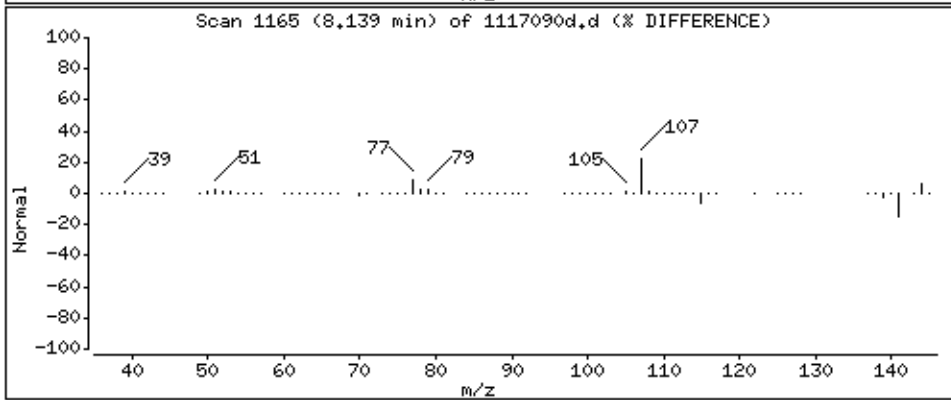
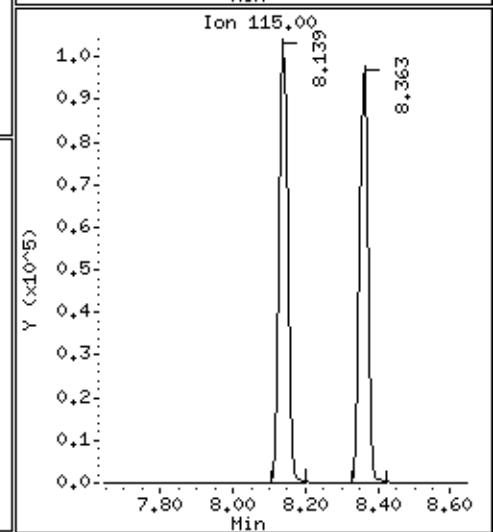
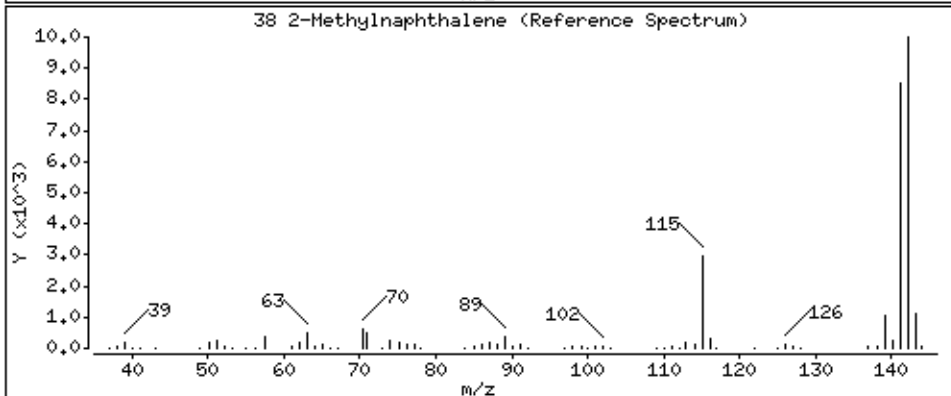
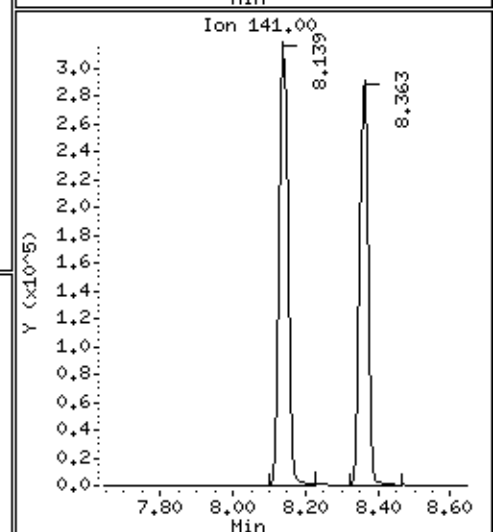
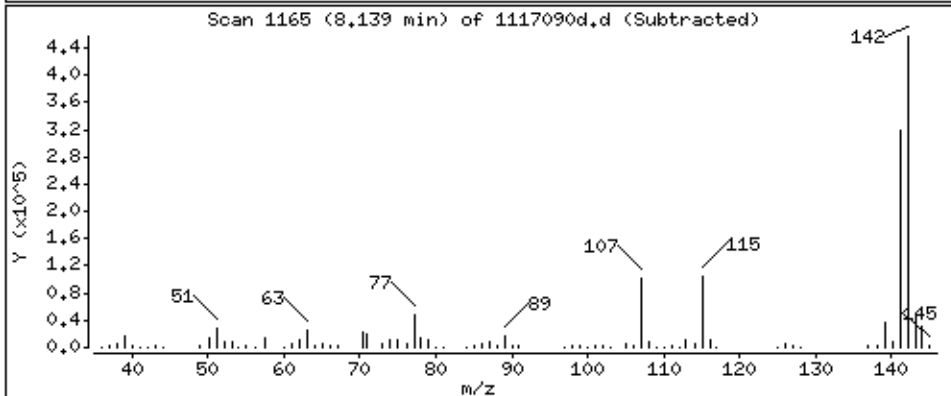
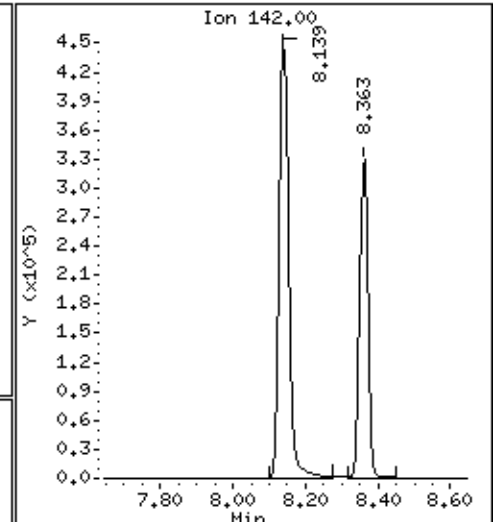
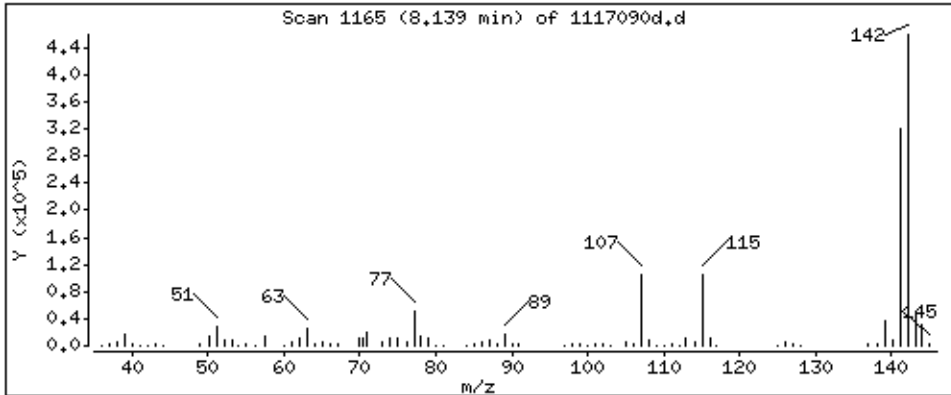
Operator: CEM

Column phase: .50um DB-5ms

Column diameter: 0,25

38 2-Methylnaphthalene

Concentration: 2576 ug/Kg



Date : 27-JUN-2014 18:08

Client ID: THW-5(12-14)HSD

Instrument: 50MSS3.i

Sample Info: 1117090

Volume Injected (uL): 1.0

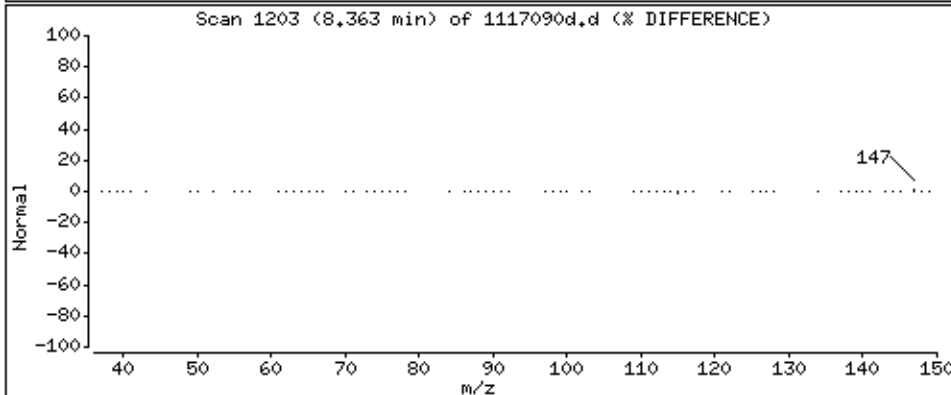
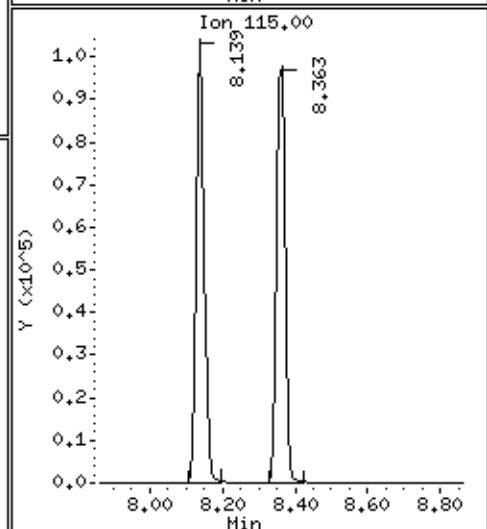
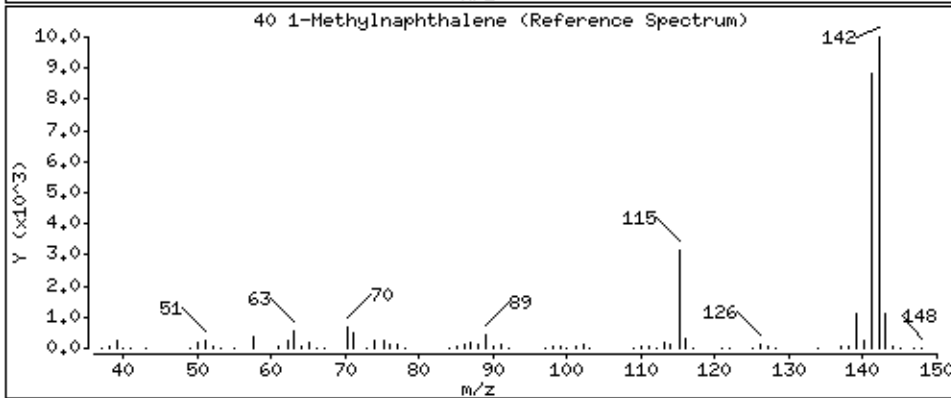
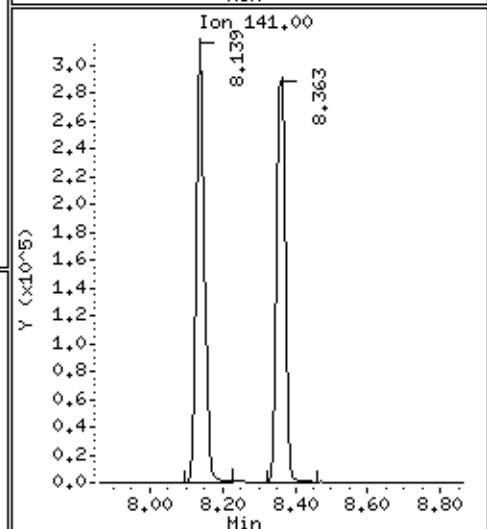
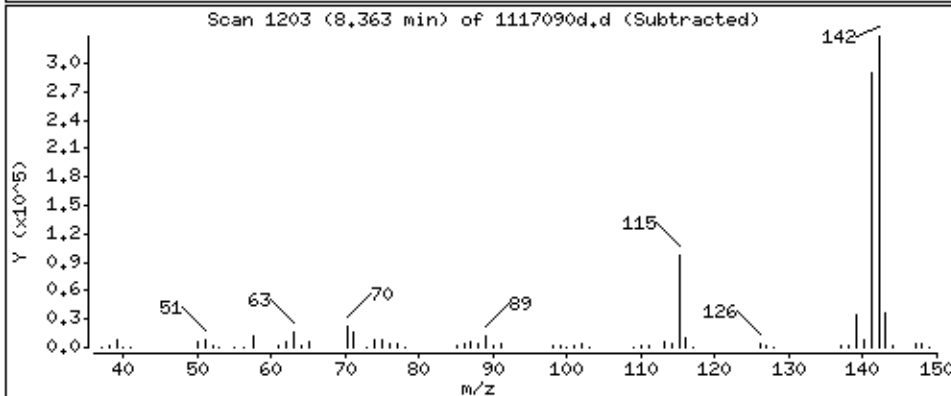
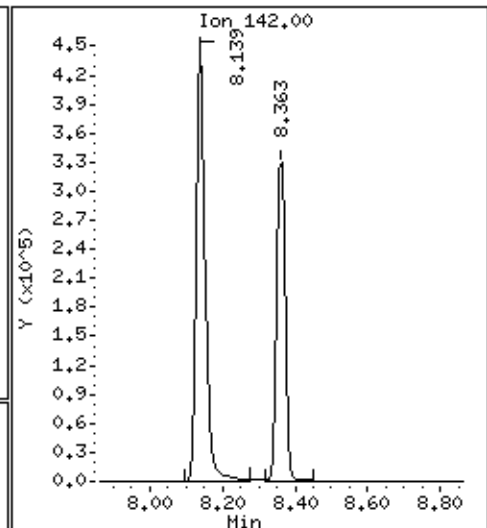
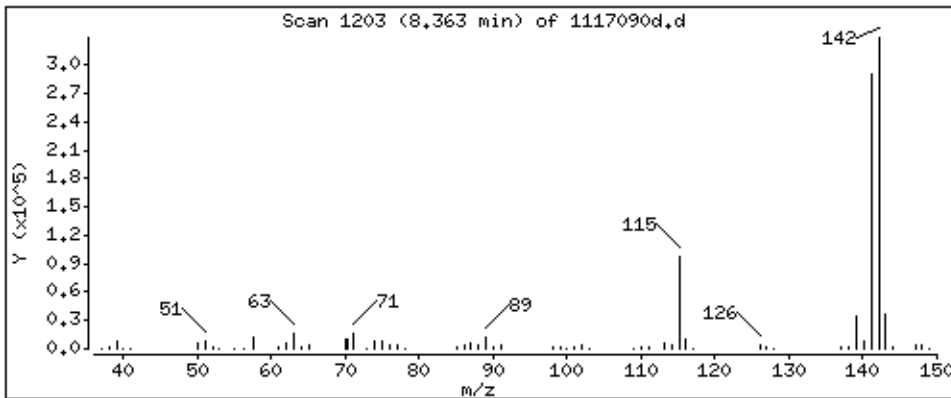
Operator: CEM

Column phase: .50um DB-5ms

Column diameter: 0,25

40 1-Methylnaphthalene

Concentration: 2248 ug/Kg



Date : 27-JUN-2014 18:08

Client ID: THW-5(12-14)HSD

Instrument: 50MSS3.i

Sample Info: 1117090

Volume Injected (uL): 1.0

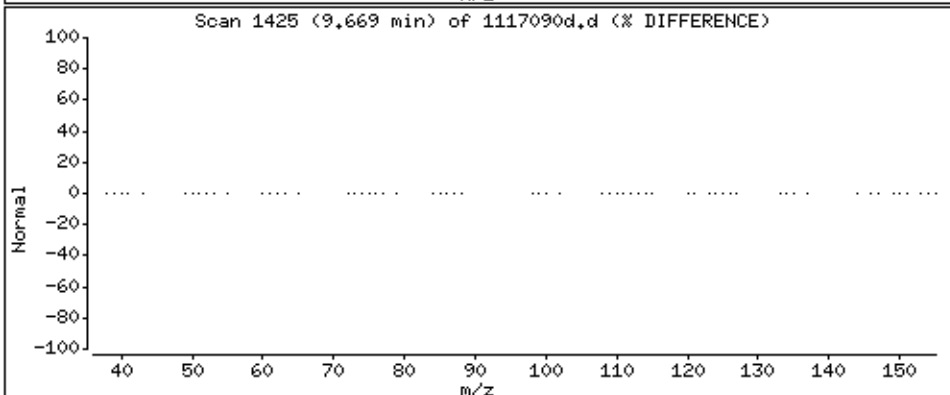
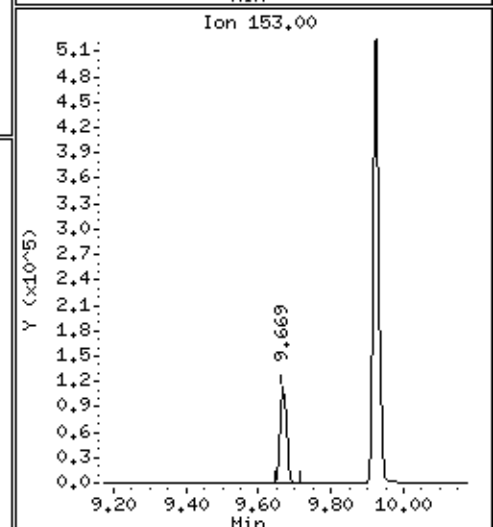
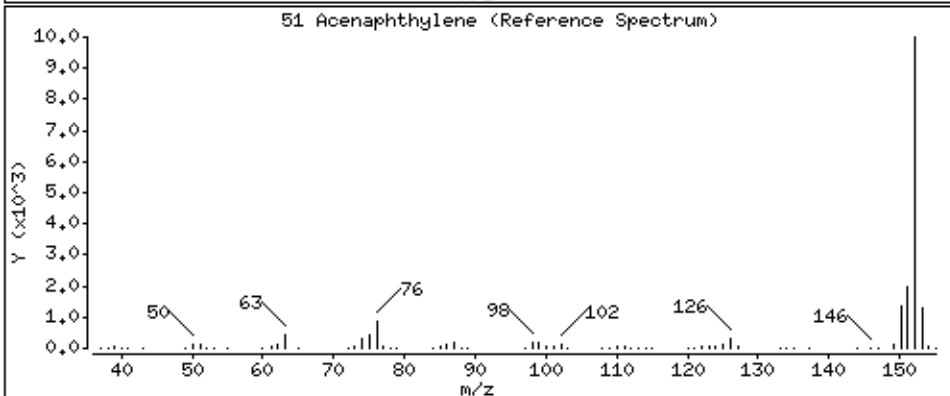
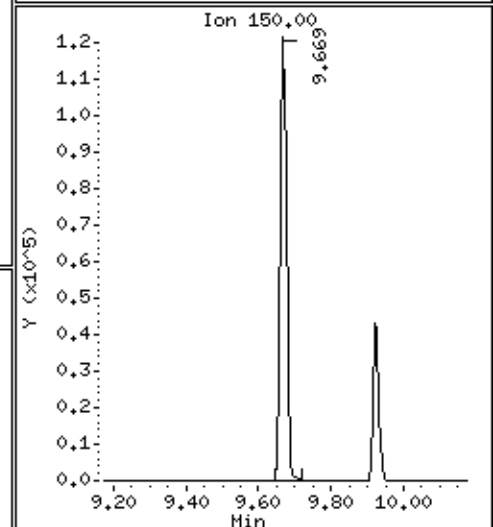
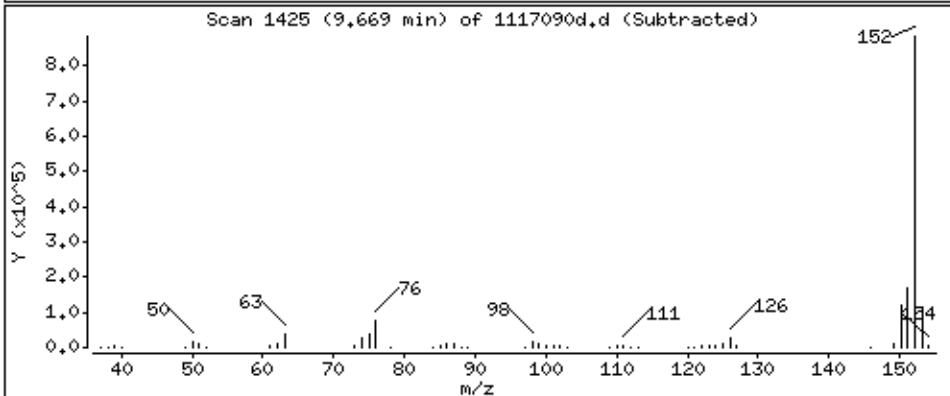
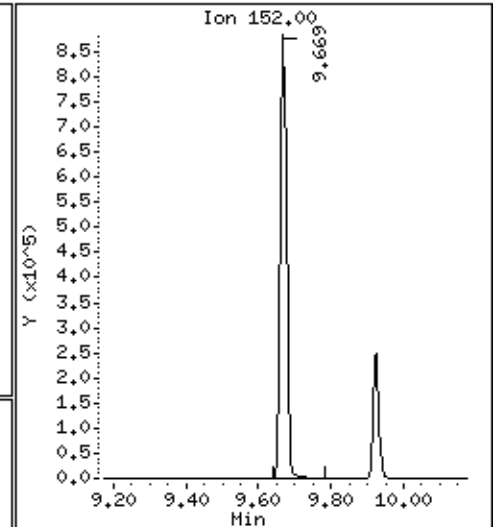
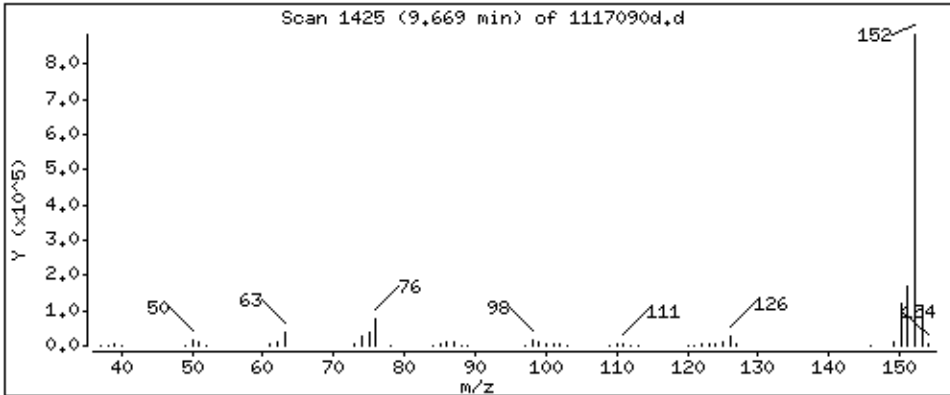
Operator: CEM

Column phase: .50um DB-5ms

Column diameter: 0,25

51 Acenaphthylene

Concentration: 2779 ug/Kg



Date : 27-JUN-2014 18:08

Client ID: THW-5(12-14)HSD

Instrument: 50MSS3.i

Sample Info: 1117090

Volume Injected (uL): 1.0

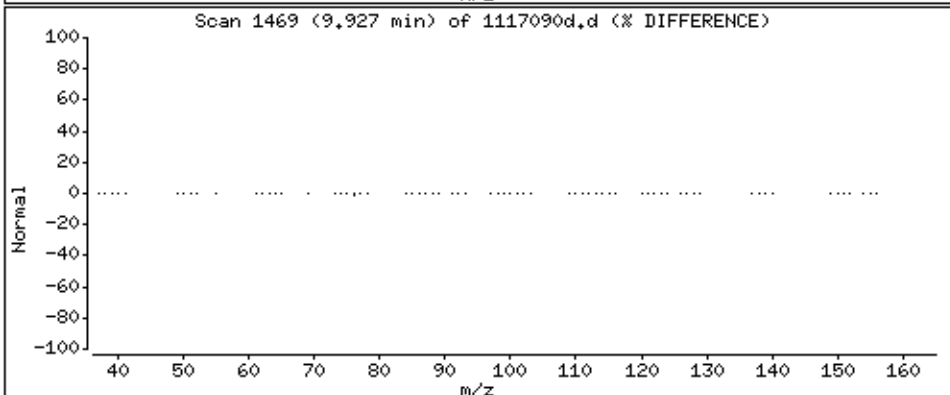
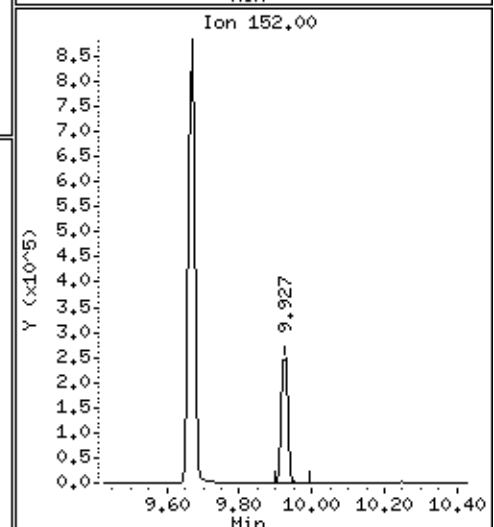
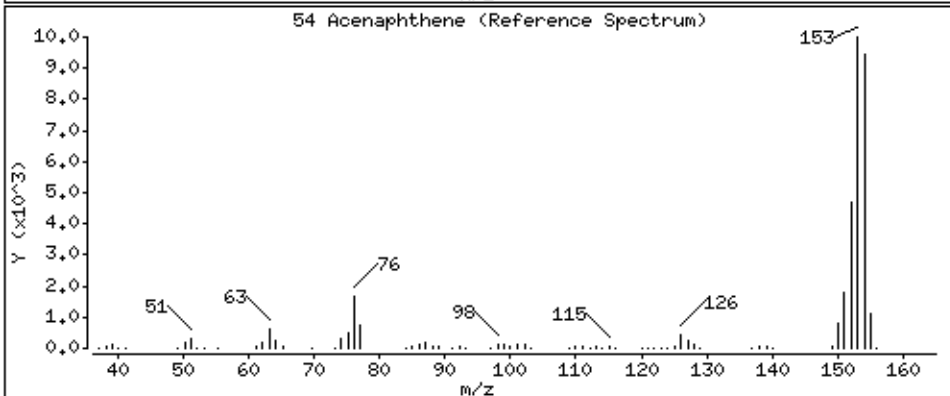
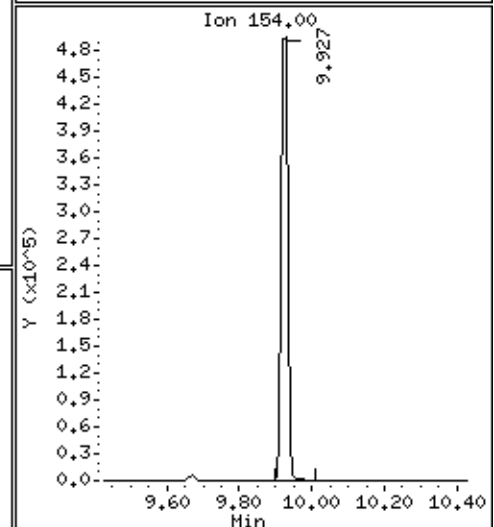
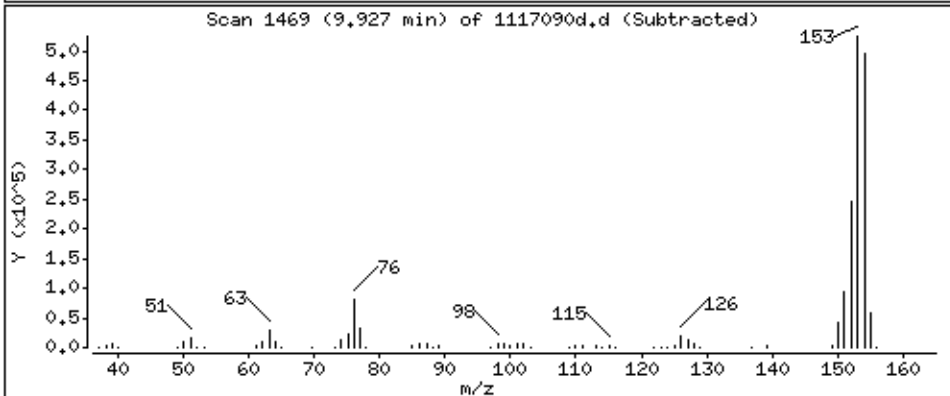
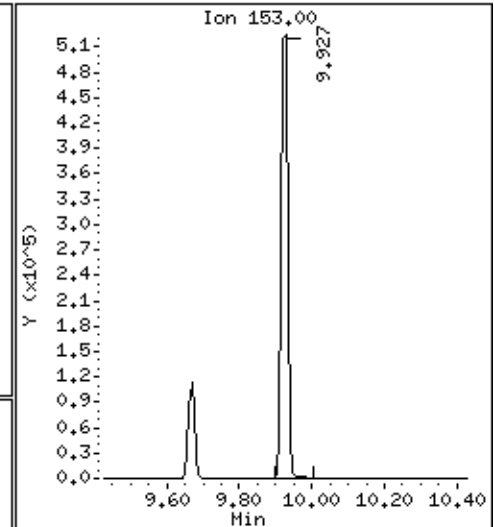
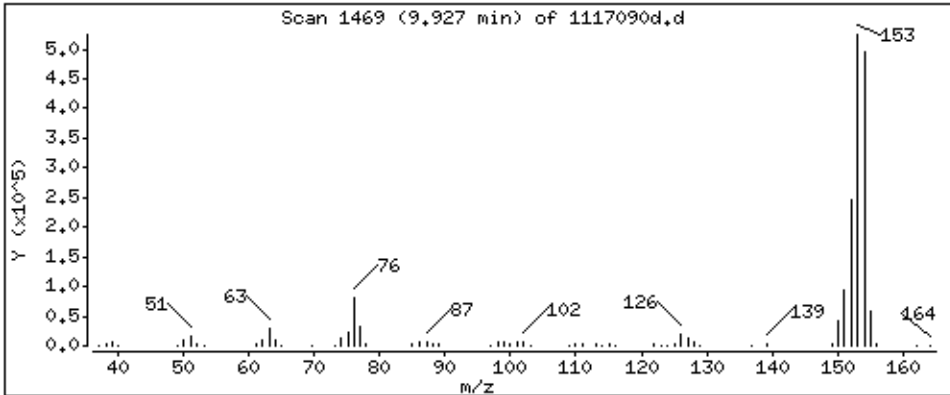
Operator: CEM

Column phase: .50um DB-5ms

Column diameter: 0,25

54 Acenaphthene

Concentration: 2633 ug/Kg



Date : 27-JUN-2014 18:08

Client ID: THW-5(12-14)HSD

Instrument: 50MSS3.i

Sample Info: 1117090

Volume Injected (uL): 1.0

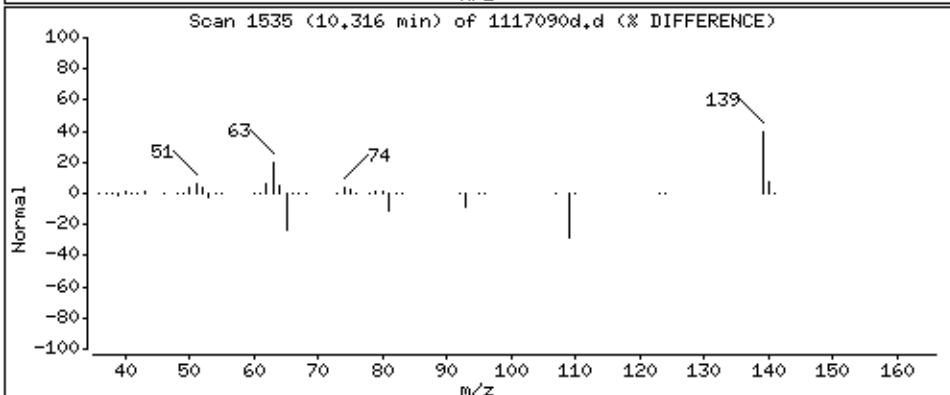
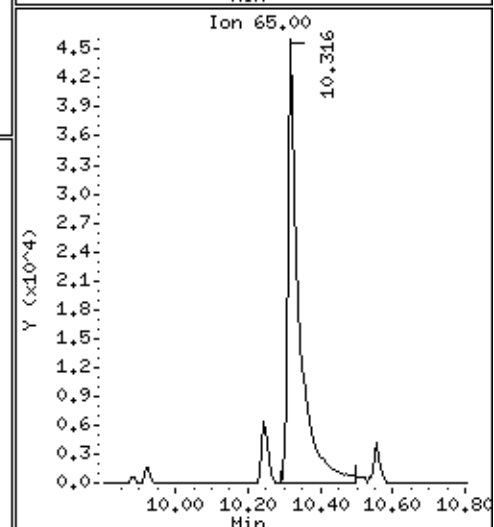
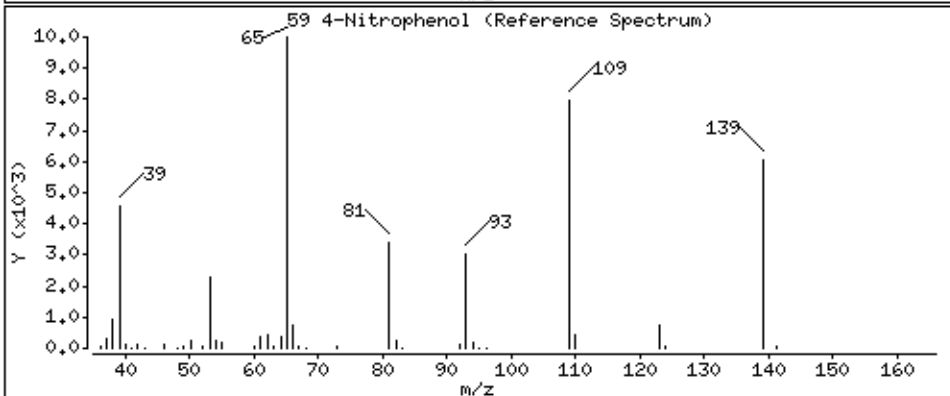
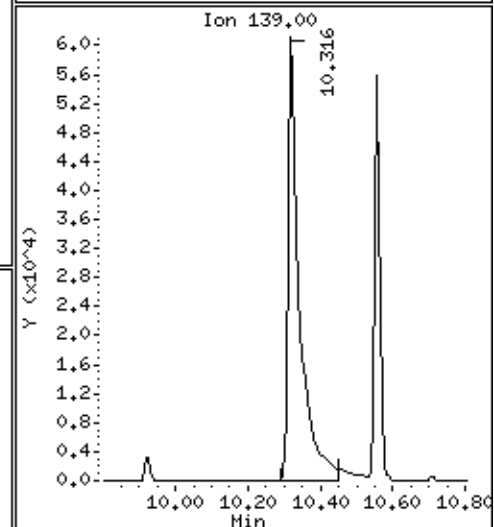
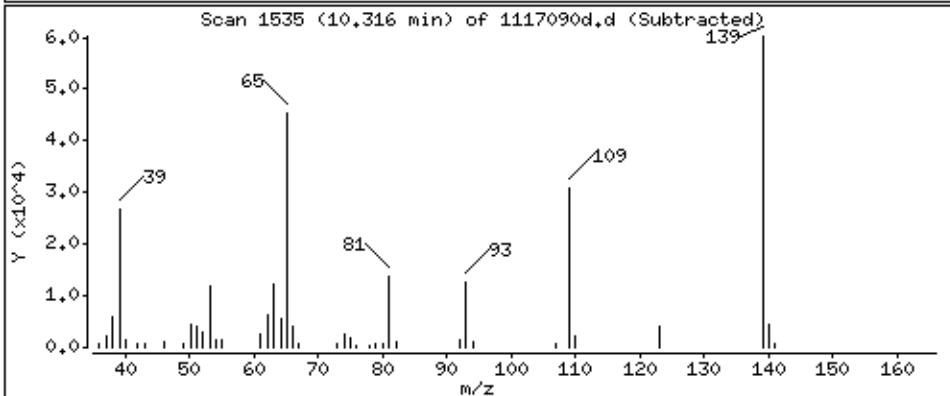
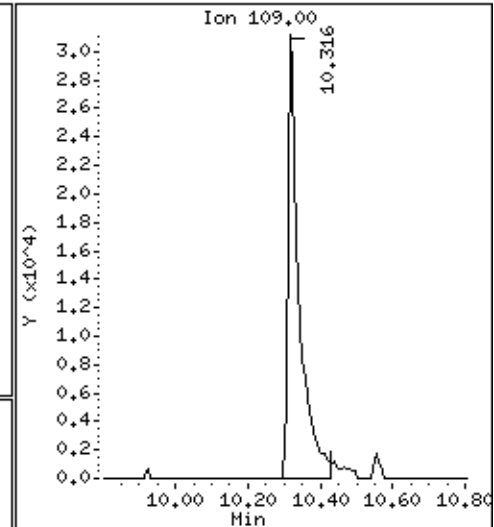
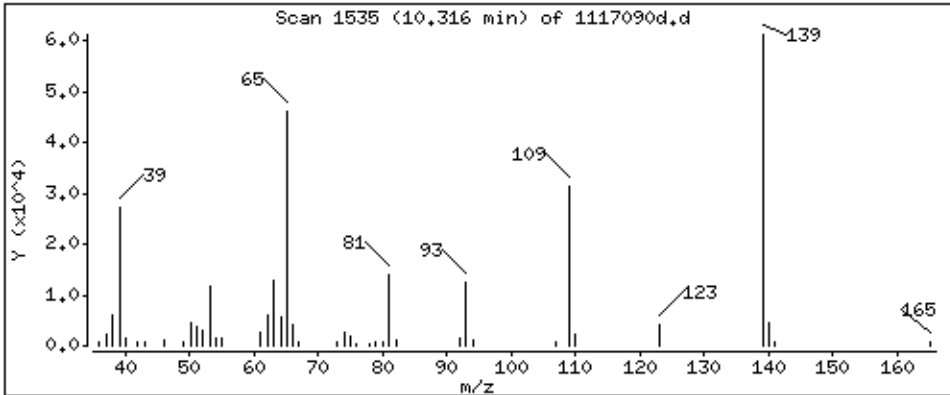
Operator: CEM

Column phase: .50um DB-5ms

Column diameter: 0,25

59 4-Nitrophenol

Concentration: 2679 ug/Kg



Date : 27-JUN-2014 18:08

Client ID: THW-5(12-14)HSD

Instrument: 50MSS3.i

Sample Info: 1117090

Volume Injected (uL): 1.0

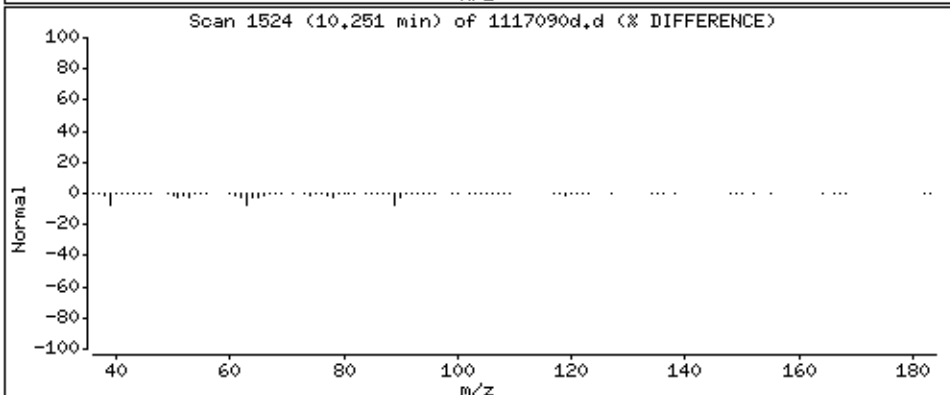
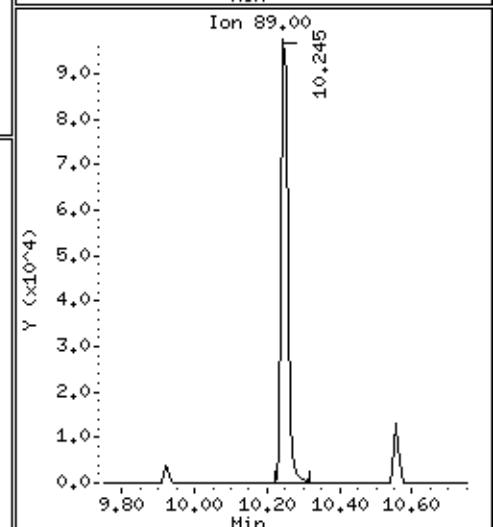
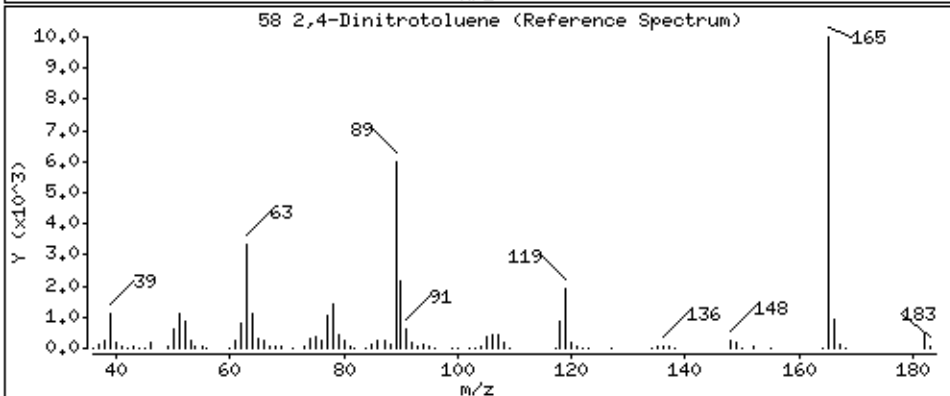
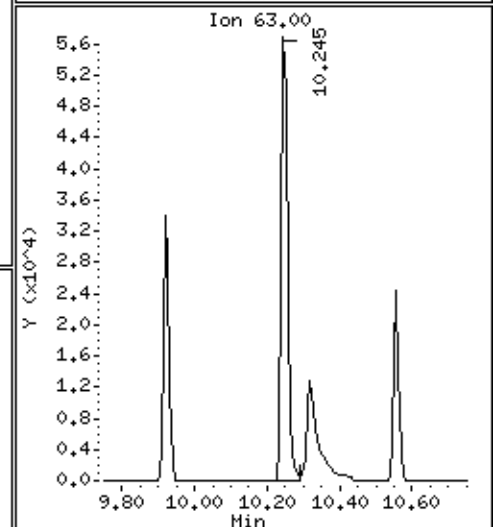
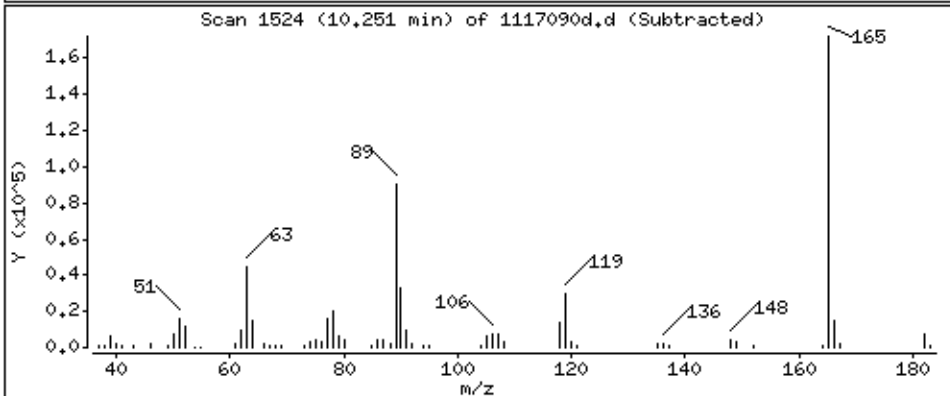
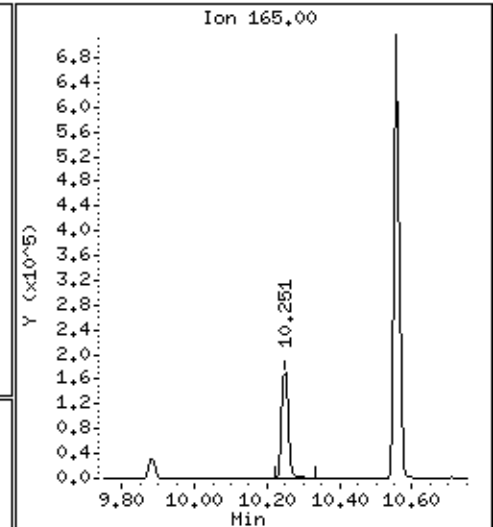
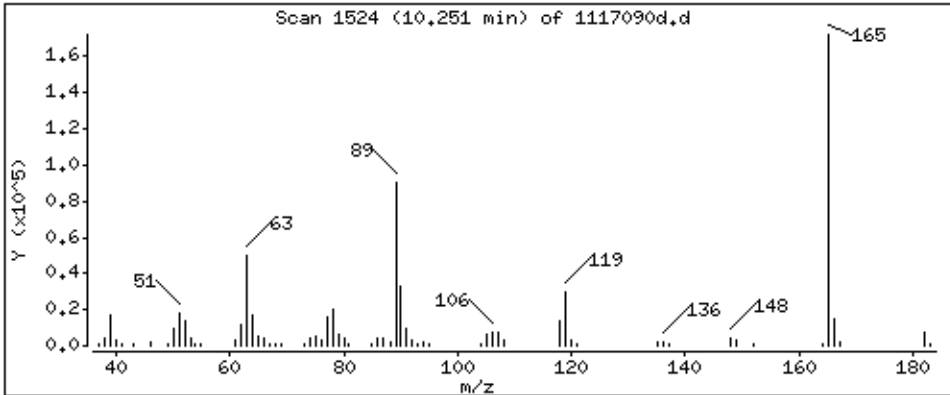
Operator: CEM

Column phase: .50um DB-5ms

Column diameter: 0,25

58 2,4-Dinitrotoluene

Concentration: 2719 ug/Kg



Date : 27-JUN-2014 18:08

Client ID: THW-5(12-14)HSD

Instrument: 50MSS3.i

Sample Info: 1117090

Volume Injected (uL): 1.0

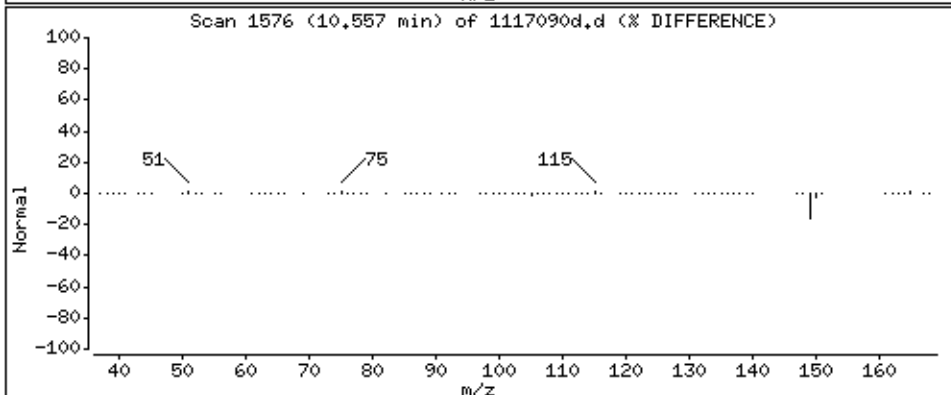
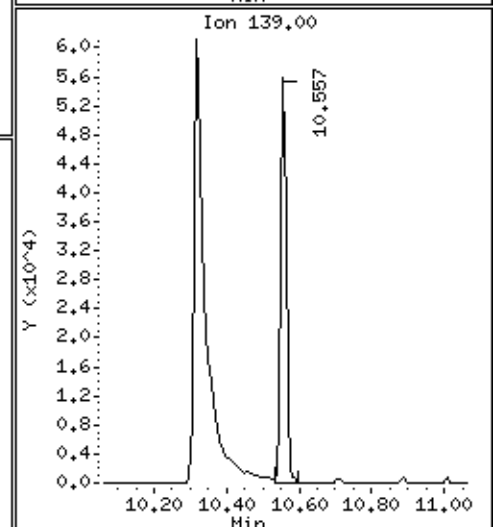
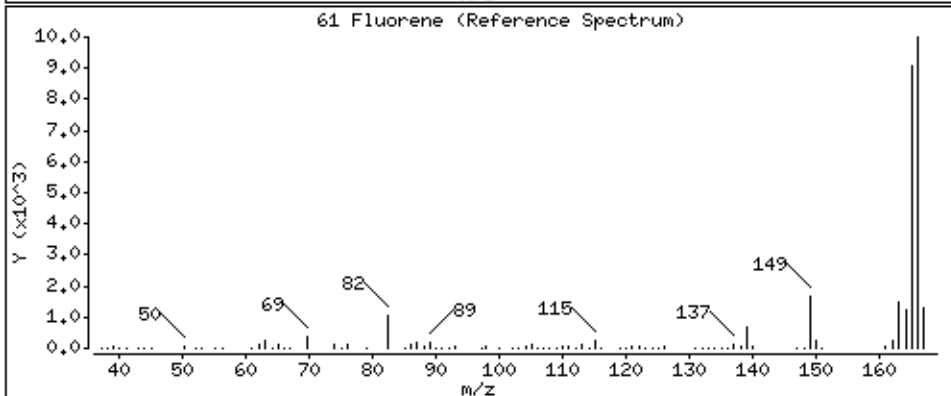
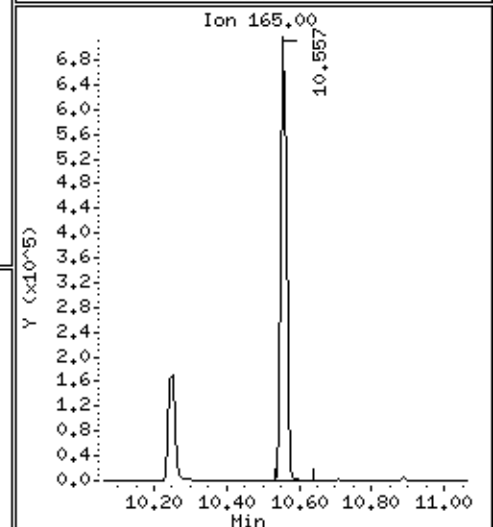
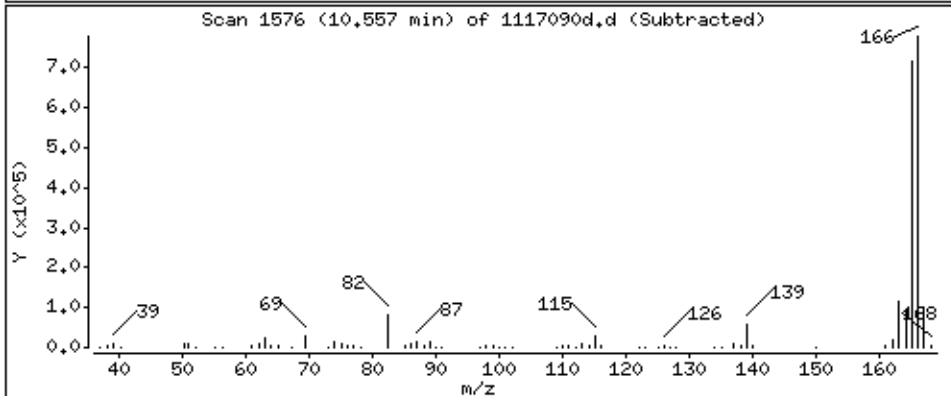
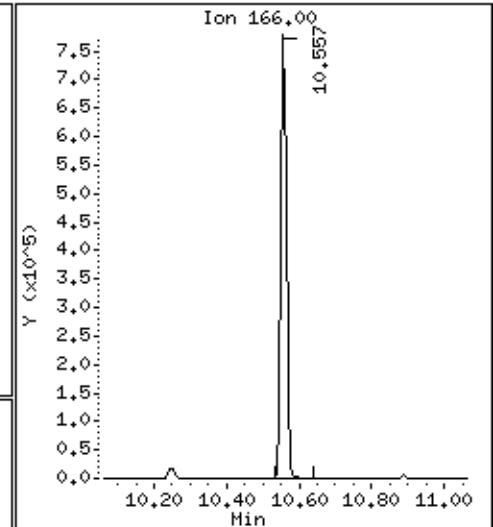
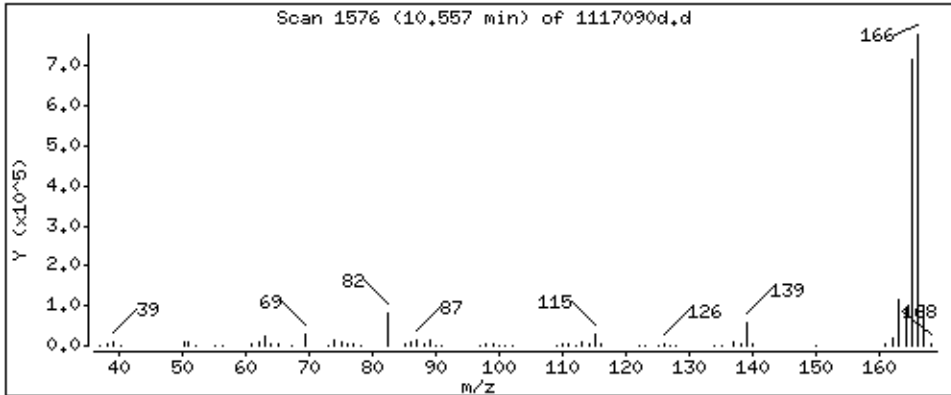
Operator: CEM

Column phase: .50um DB-5ms

Column diameter: 0,25

61 Fluorene

Concentration: 3001 ug/Kg



Date : 27-JUN-2014 18:08

Client ID: THW-5(12-14)HSD

Instrument: 50MSS3.i

Sample Info: 1117090

Volume Injected (uL): 1.0

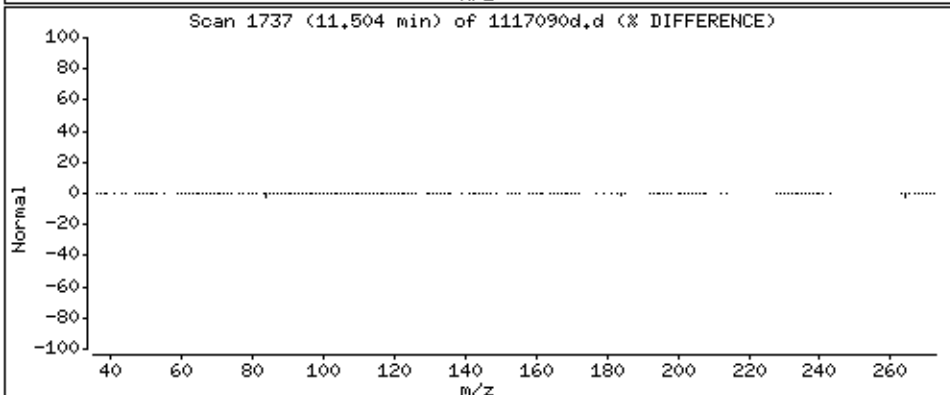
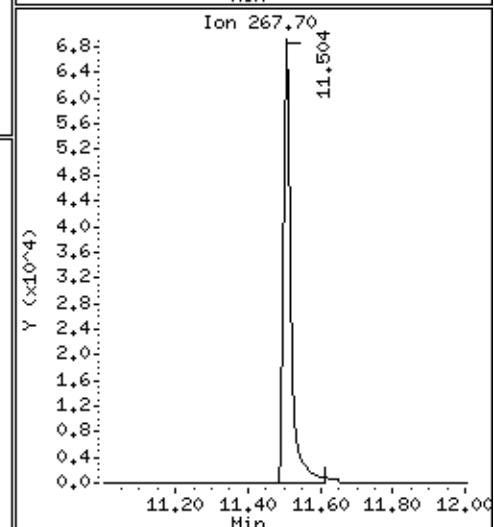
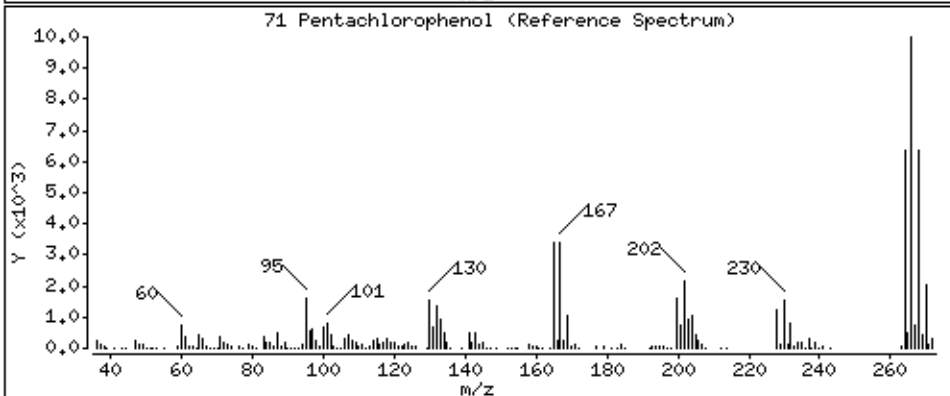
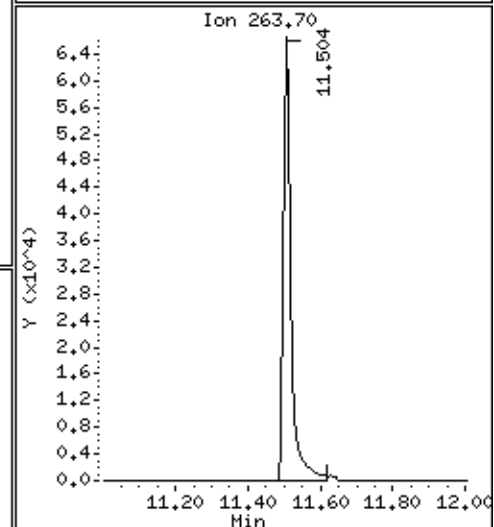
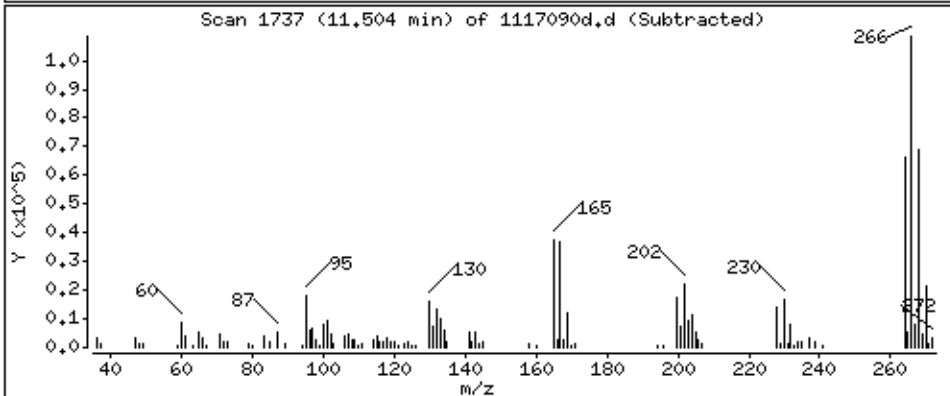
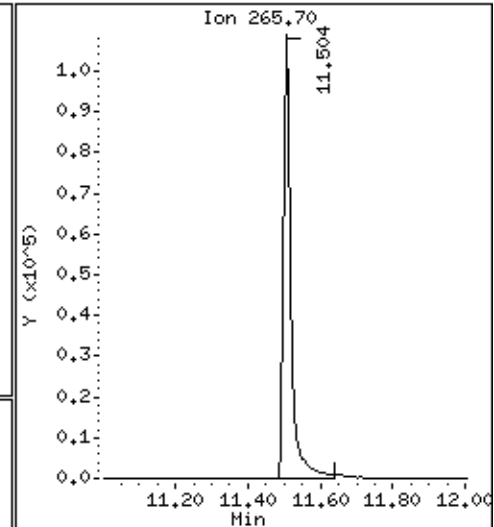
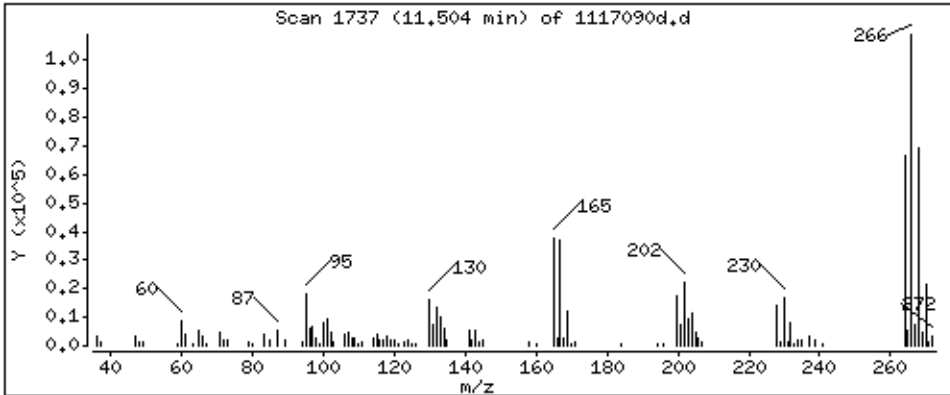
Operator: CEM

Column phase: .50um DB-5ms

Column diameter: 0,25

71 Pentachlorophenol

Concentration: 2594 ug/Kg



Date : 27-JUN-2014 18:08

Client ID: THW-5(12-14)HSD

Instrument: 50MSS3.i

Sample Info: 1117090

Volume Injected (uL): 1.0

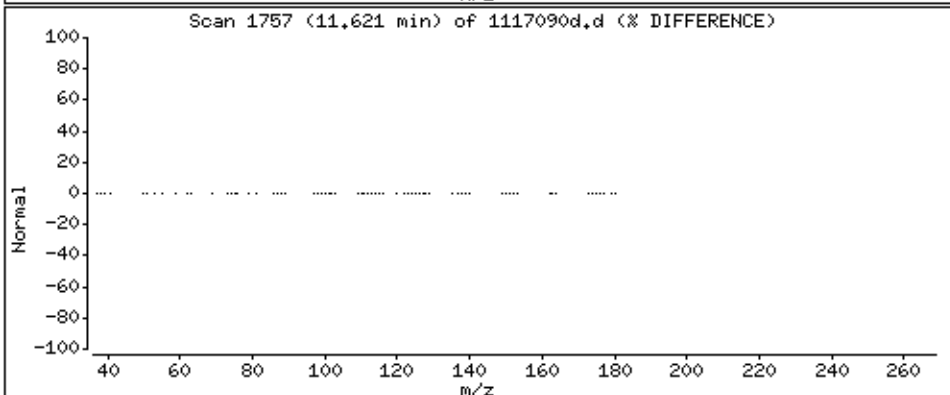
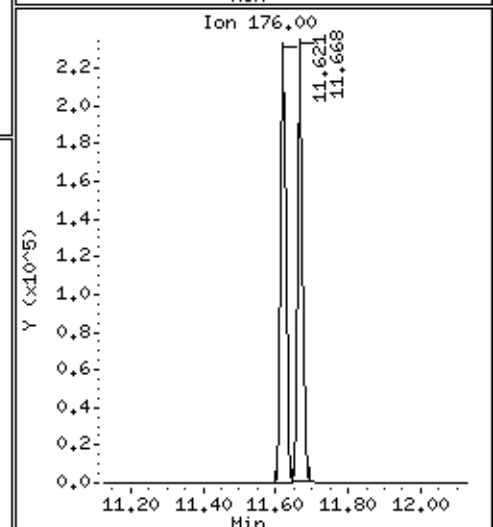
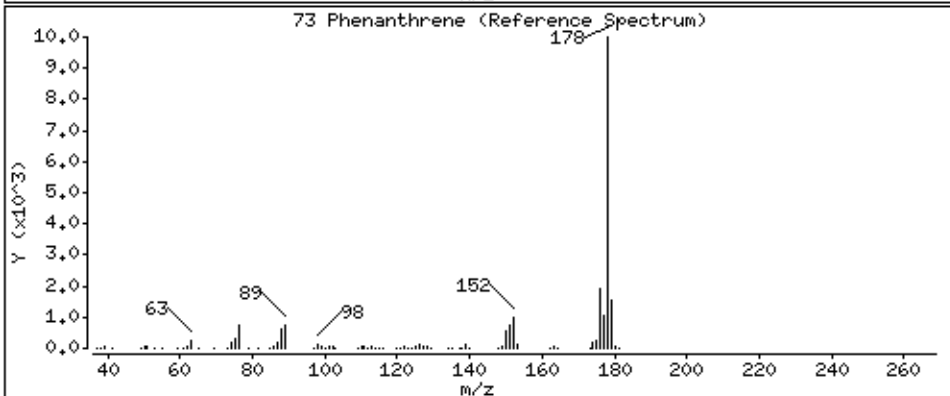
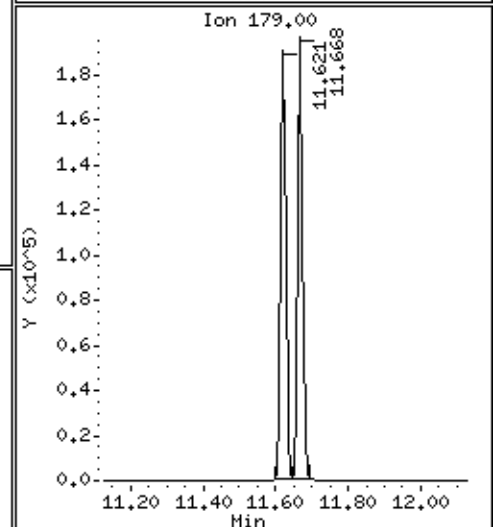
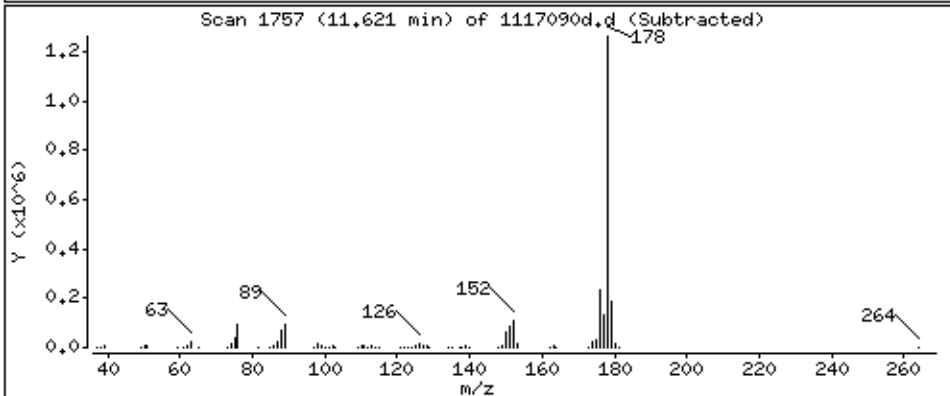
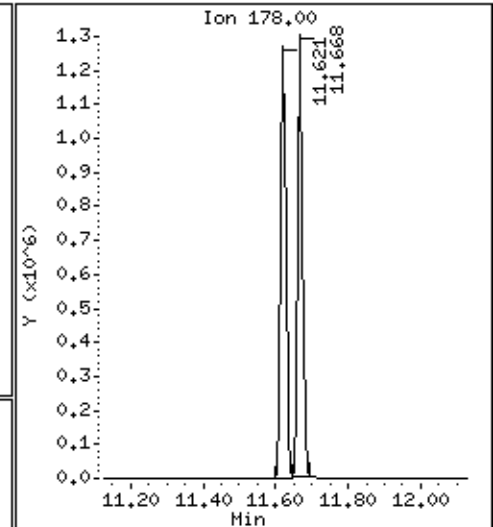
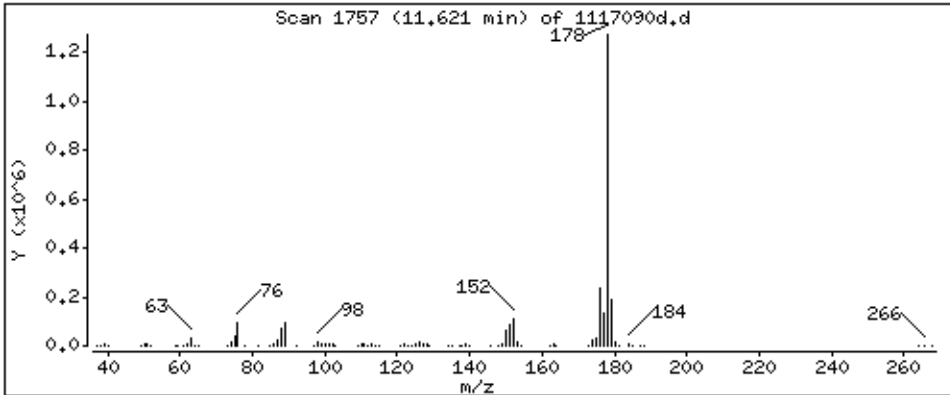
Operator: CEM

Column phase: .50um DB-5ms

Column diameter: 0,25

73 Phenanthrene

Concentration: 2835 ug/Kg



Date : 27-JUN-2014 18:08

Client ID: THW-5(12-14)HSD

Instrument: 50MSS3.i

Sample Info: 1117090

Volume Injected (uL): 1.0

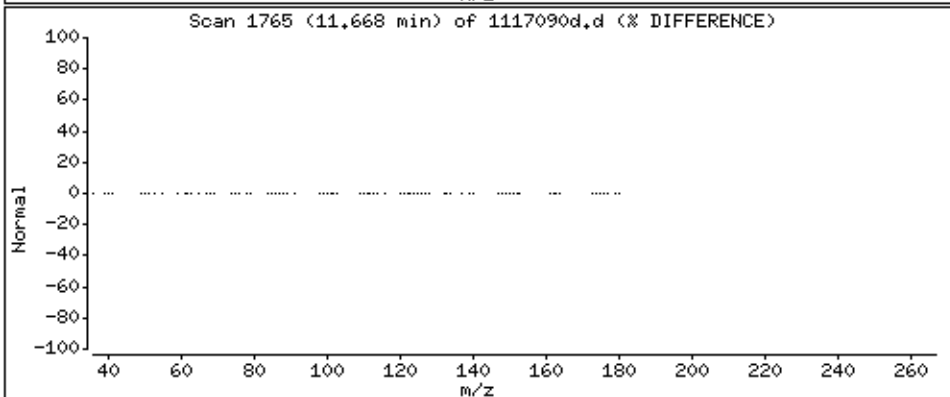
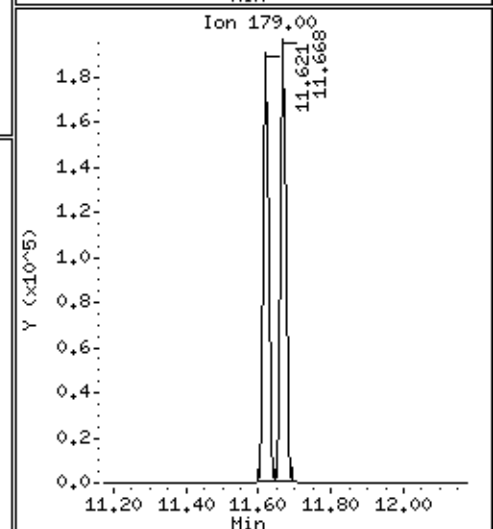
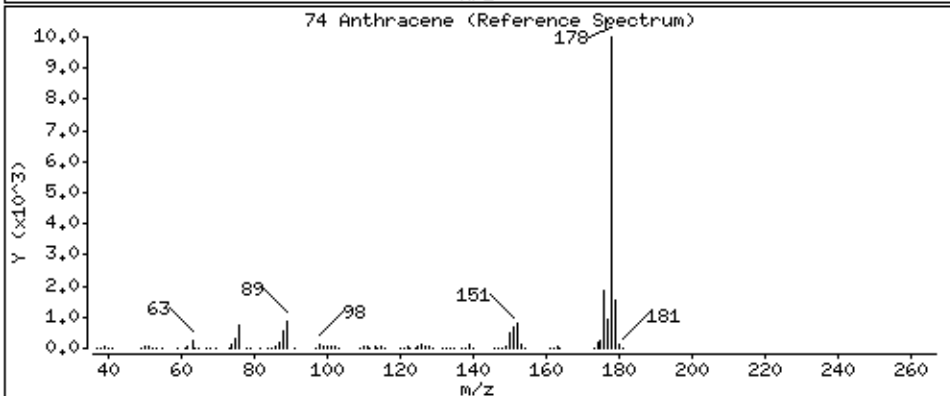
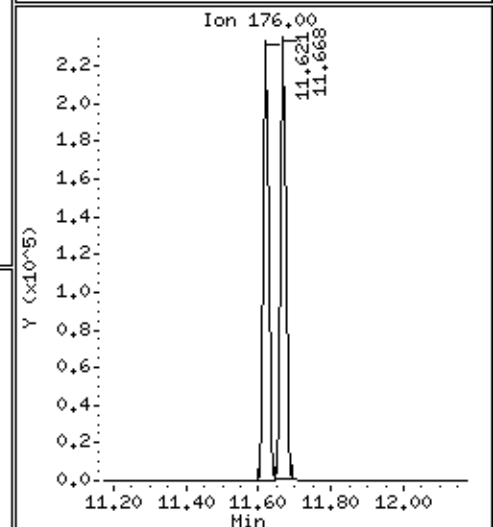
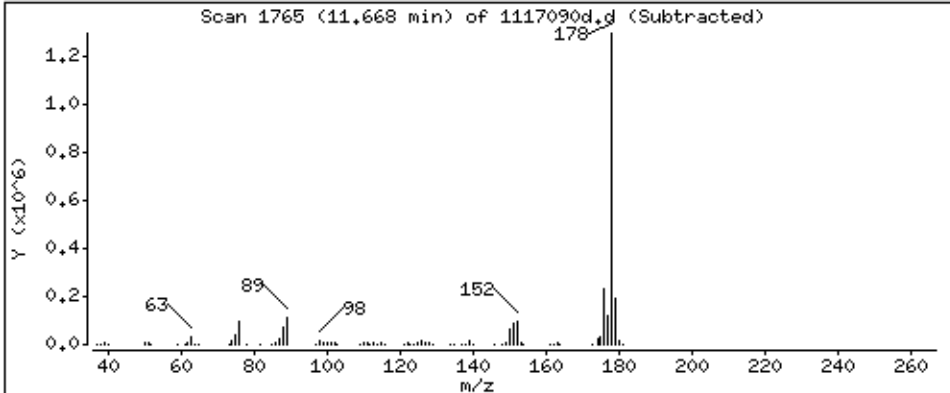
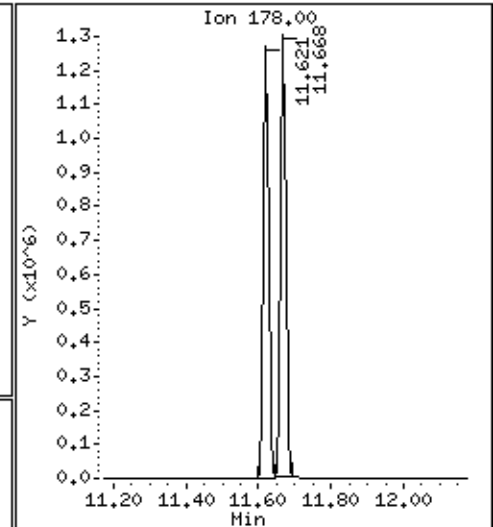
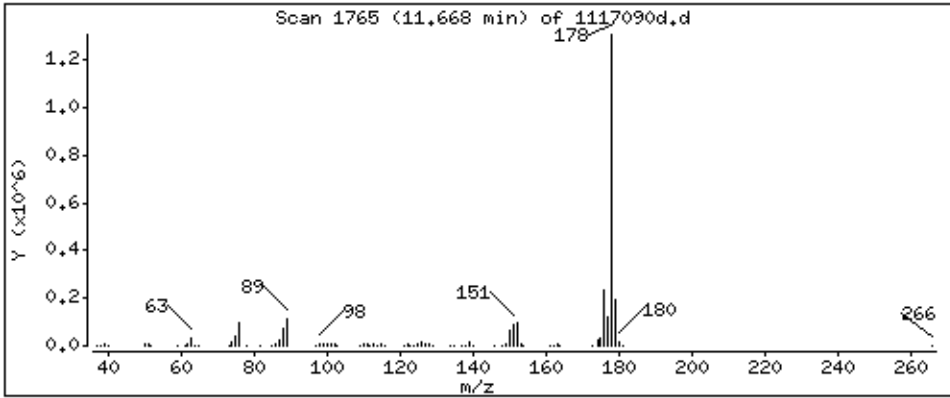
Operator: CEM

Column phase: .50um DB-5ms

Column diameter: 0,25

74 Anthracene

Concentration: 2847 ug/Kg



Date : 27-JUN-2014 18:08

Client ID: THW-5(12-14)HSD

Instrument: 50MSS3.i

Sample Info: 1117090

Volume Injected (uL): 1.0

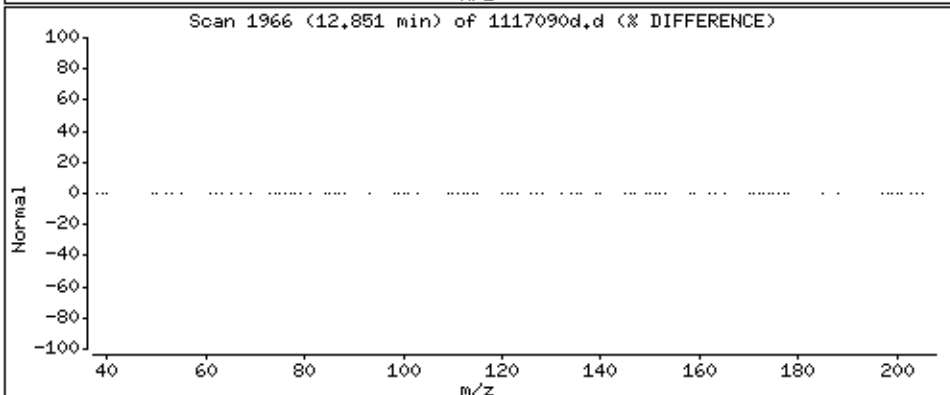
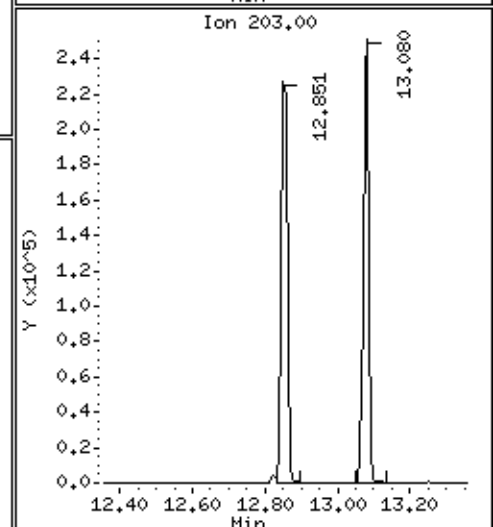
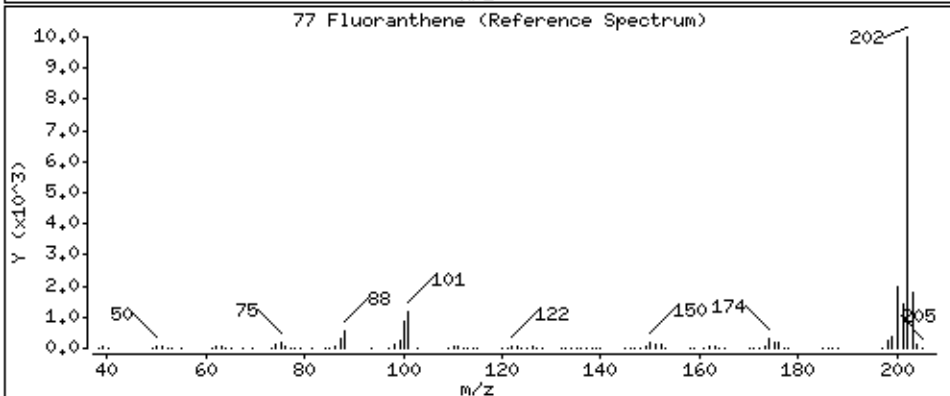
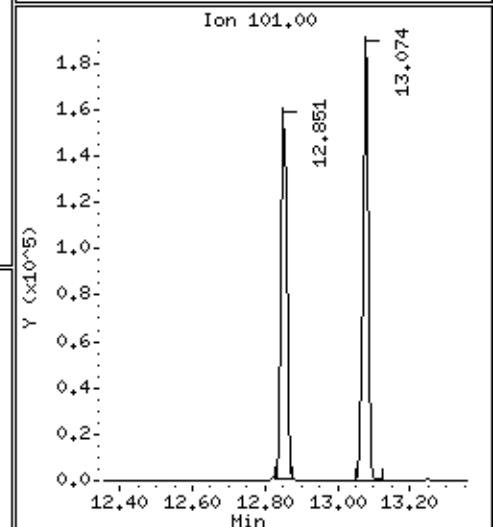
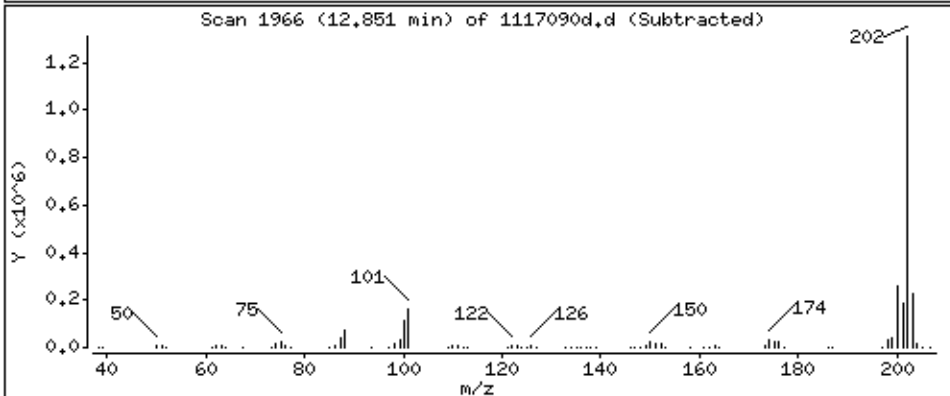
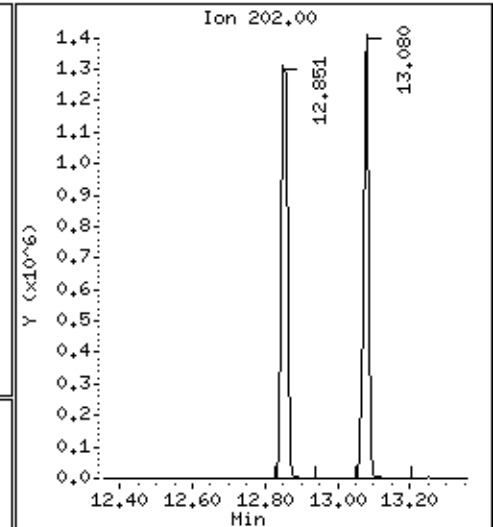
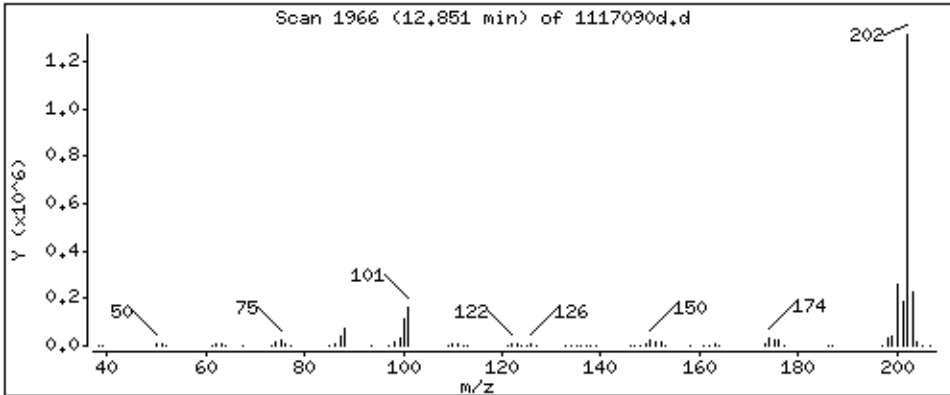
Operator: CEM

Column phase: .50um DB-5ms

Column diameter: 0,25

77 Fluoranthene

Concentration: 3061 ug/Kg



Date : 27-JUN-2014 18:08

Client ID: THW-5(12-14)HSD

Instrument: 50MSS3.i

Sample Info: 1117090

Volume Injected (uL): 1.0

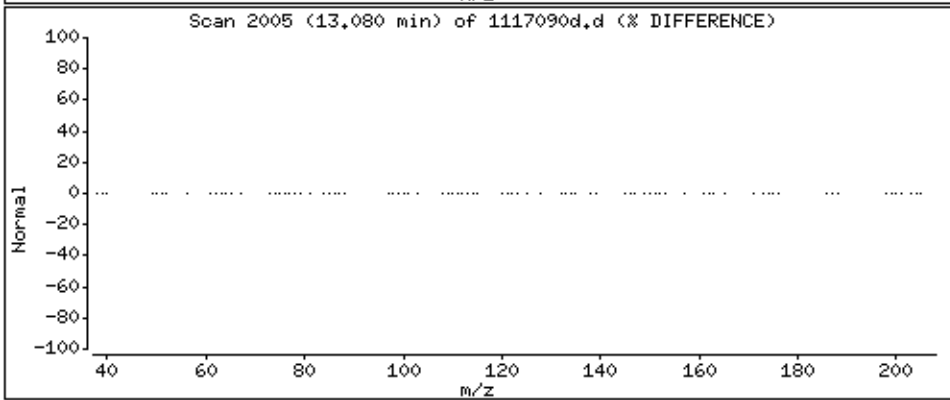
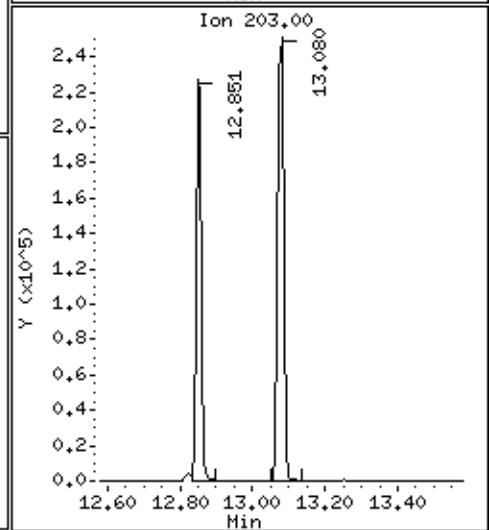
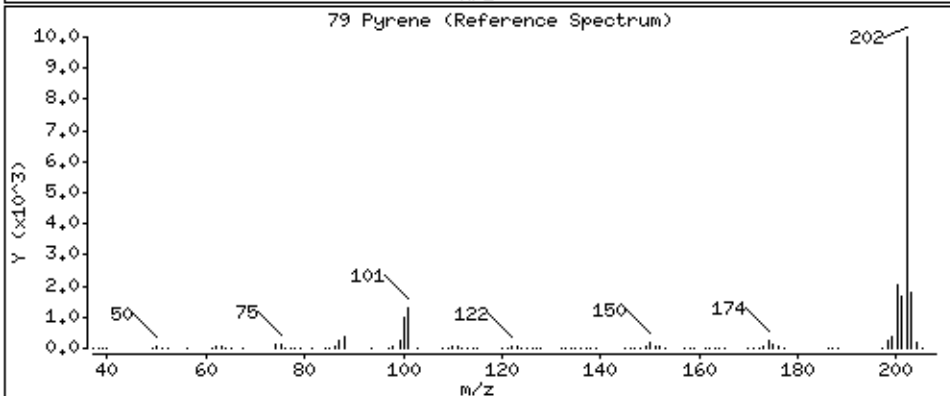
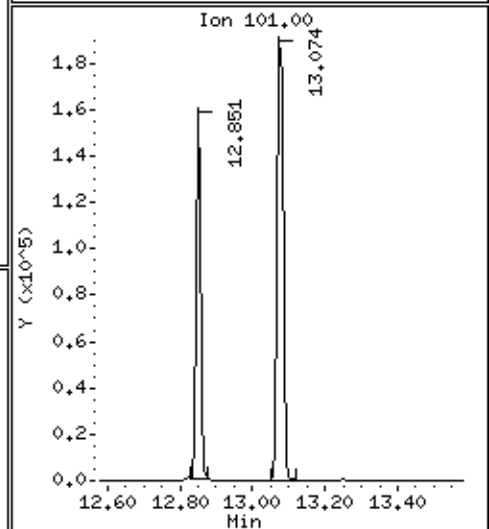
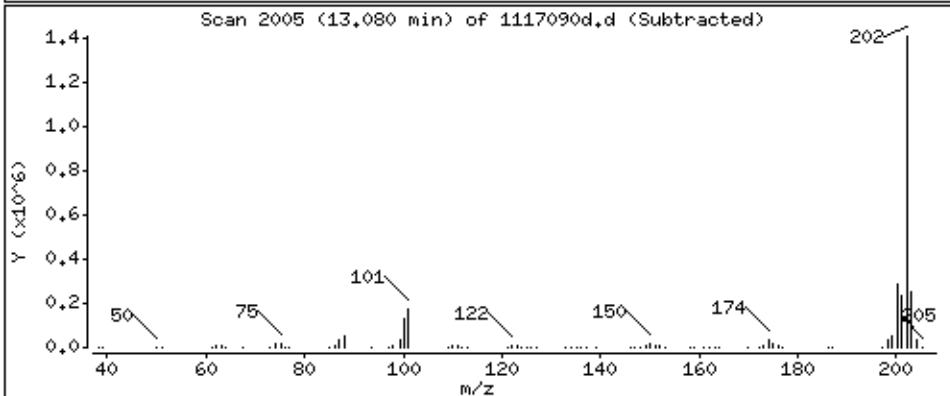
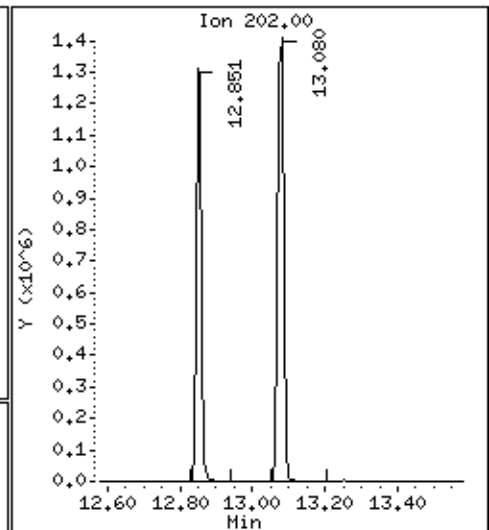
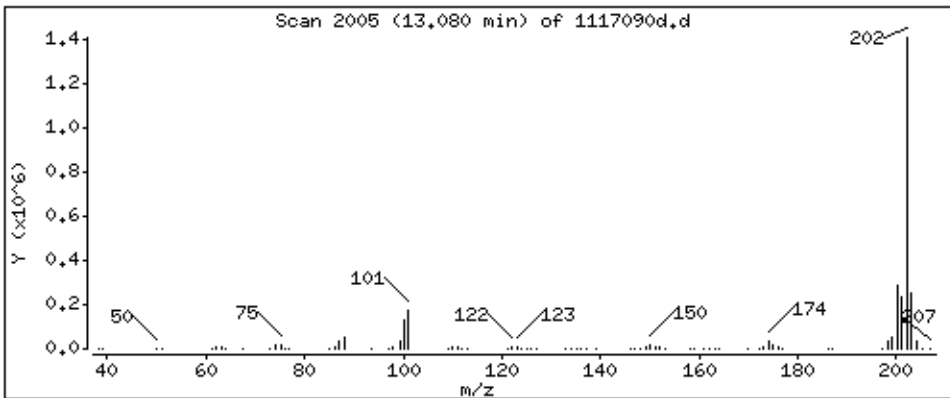
Operator: CEM

Column phase: .50um DB-5ms

Column diameter: 0,25

79 Pyrene

Concentration: 3118 ug/Kg



Date : 27-JUN-2014 18:08

Client ID: THW-5(12-14)HSD

Instrument: 50MSS3.i

Sample Info: 1117090

Volume Injected (uL): 1.0

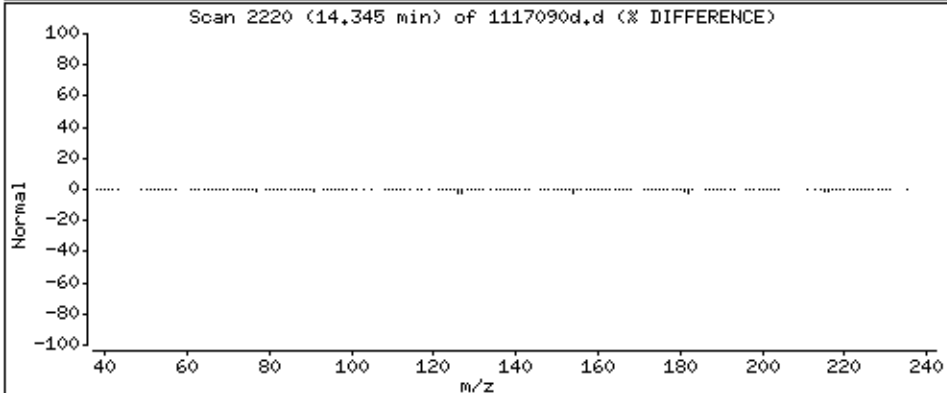
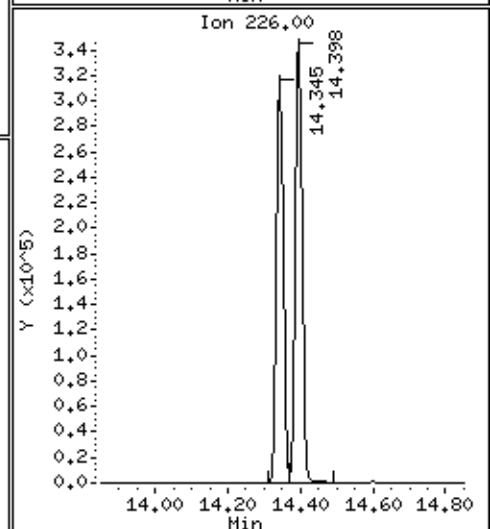
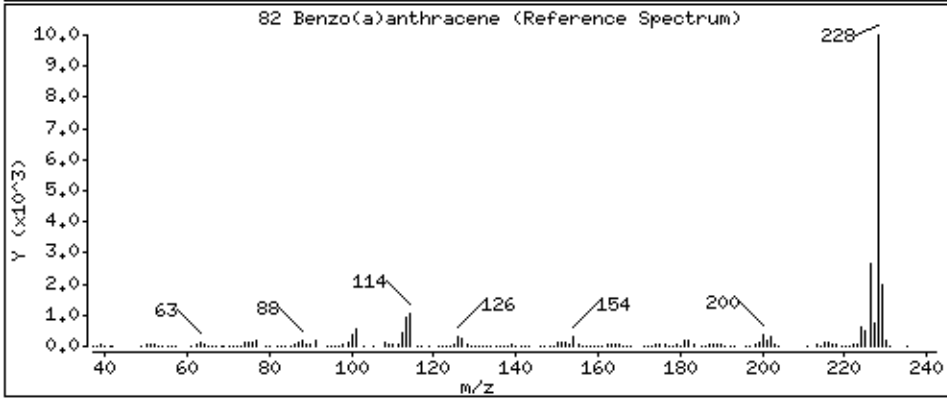
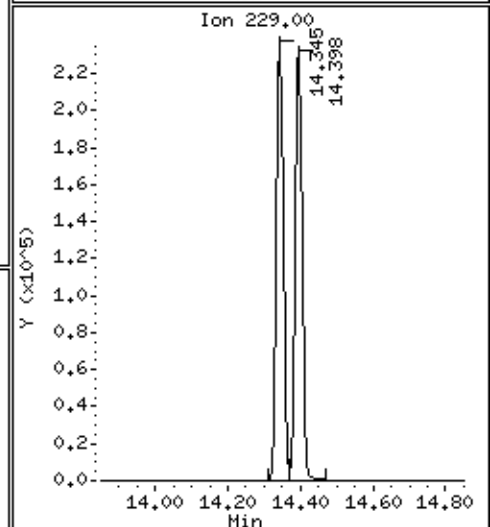
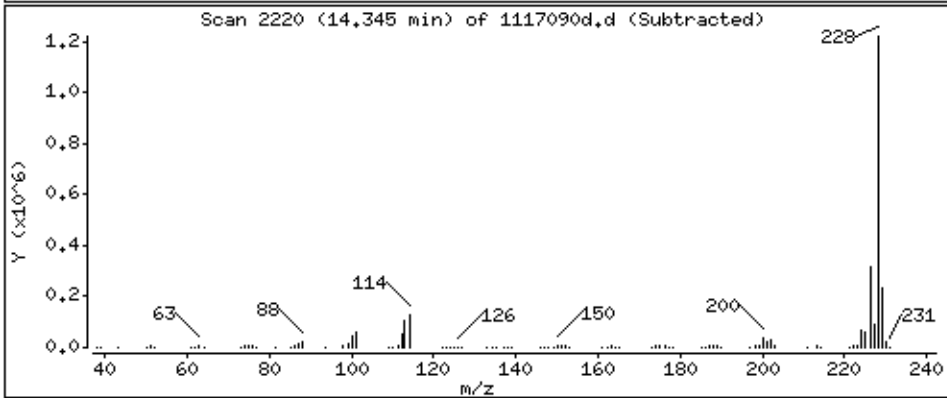
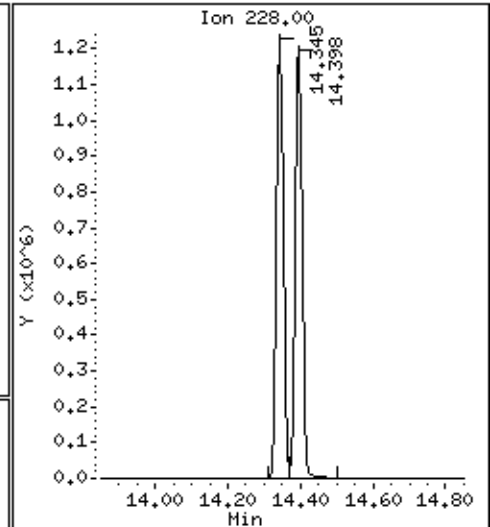
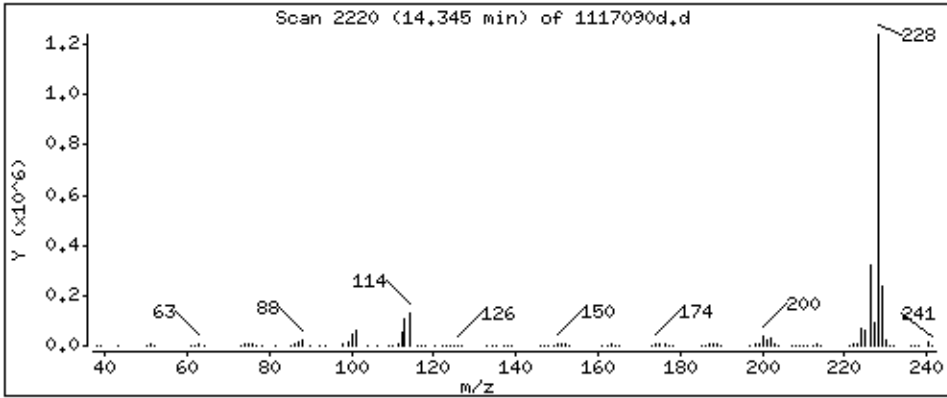
Operator: CEM

Column phase: .50um DB-5ms

Column diameter: 0,25

82 Benzo(a)anthracene

Concentration: 2752 ug/Kg



Date : 27-JUN-2014 18:08

Client ID: THW-5(12-14)HSD

Instrument: 50MSS3.i

Sample Info: 1117090

Volume Injected (uL): 1.0

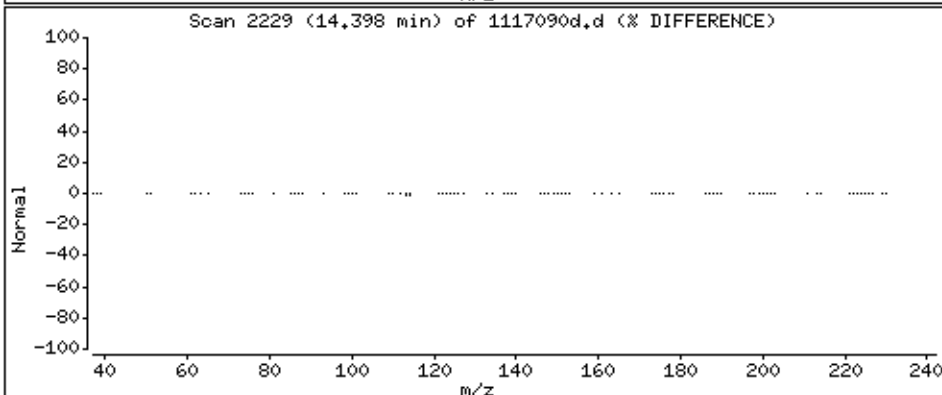
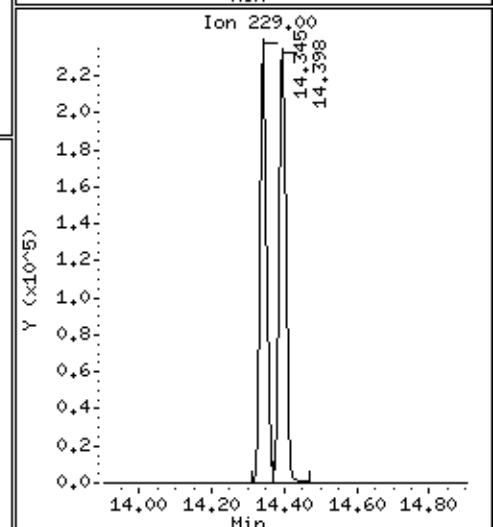
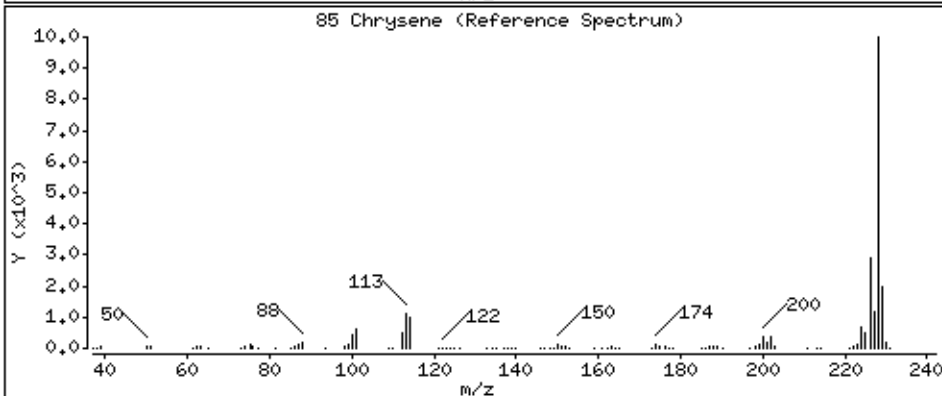
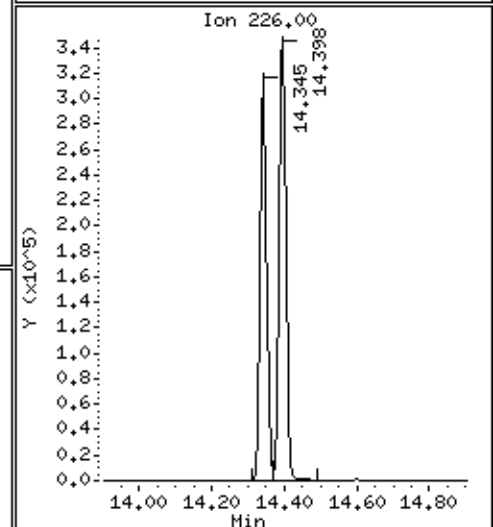
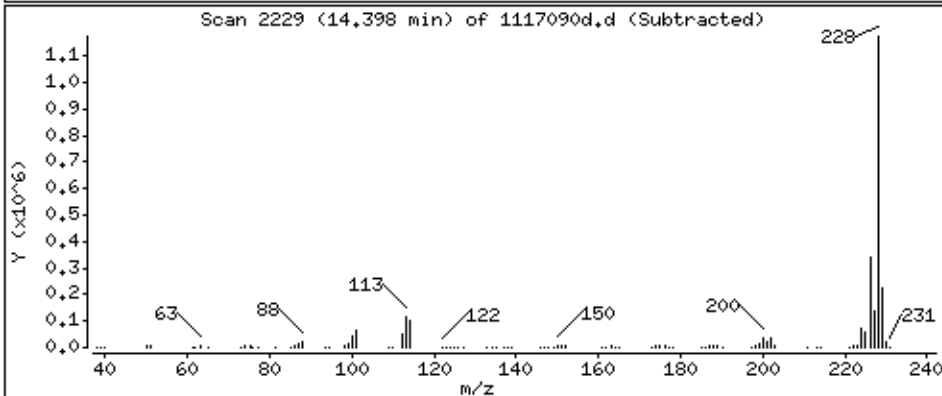
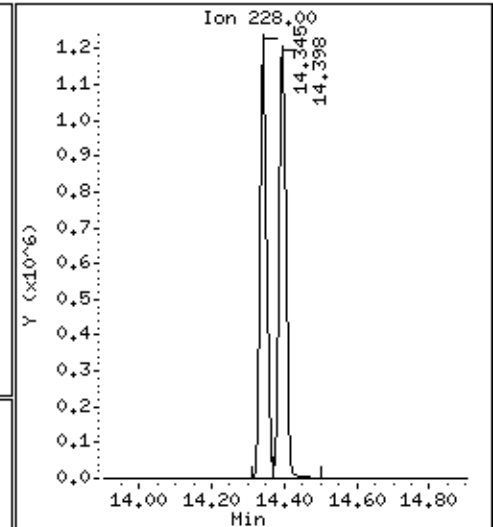
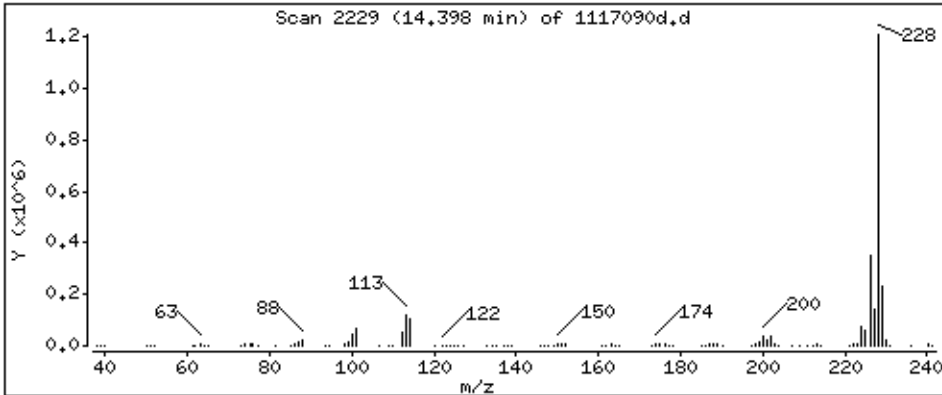
Operator: CEM

Column phase: .50um DB-5ms

Column diameter: 0,25

85 Chrysene

Concentration: 2854 ug/Kg



Date : 27-JUN-2014 18:08

Client ID: THW-5(12-14)HSD

Instrument: 50MSS3.i

Sample Info: 1117090

Volume Injected (uL): 1.0

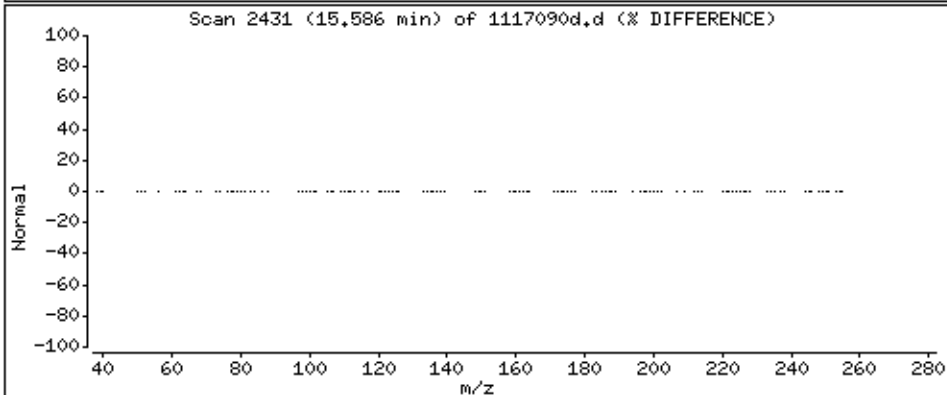
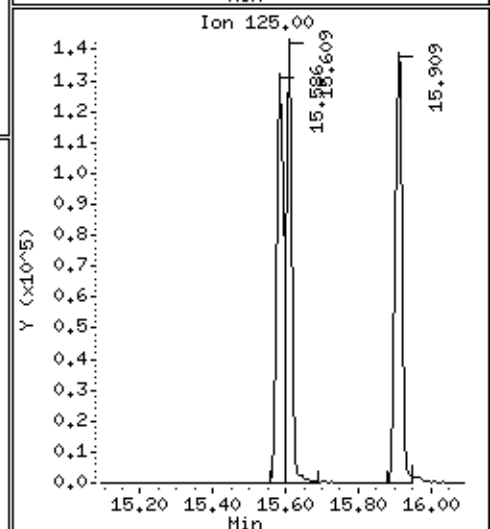
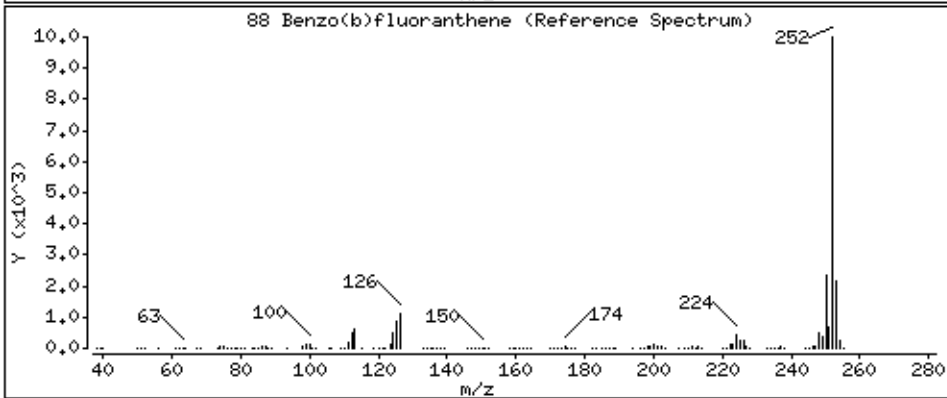
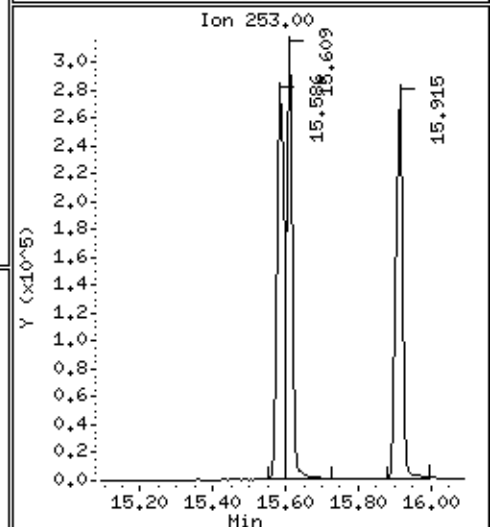
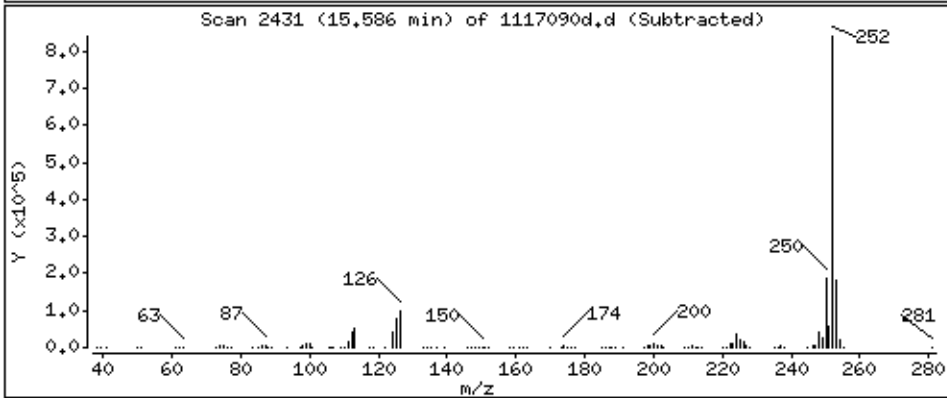
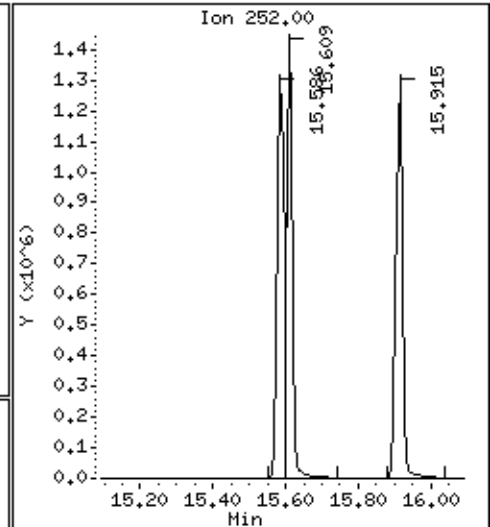
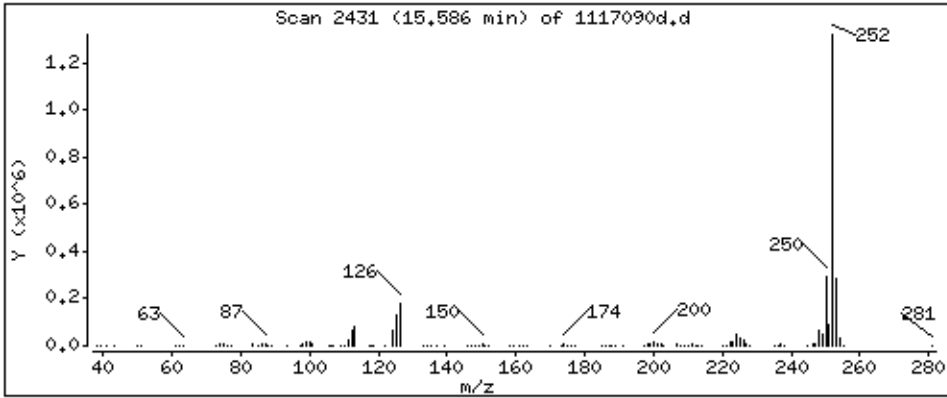
Operator: CEM

Column phase: .50um DB-5ms

Column diameter: 0,25

88 Benzo(b)fluoranthene

Concentration: 3828 ug/Kg



Date : 27-JUN-2014 18:08

Client ID: THW-5(12-14)HSD

Instrument: 50MSS3.i

Sample Info: 1117090

Volume Injected (uL): 1.0

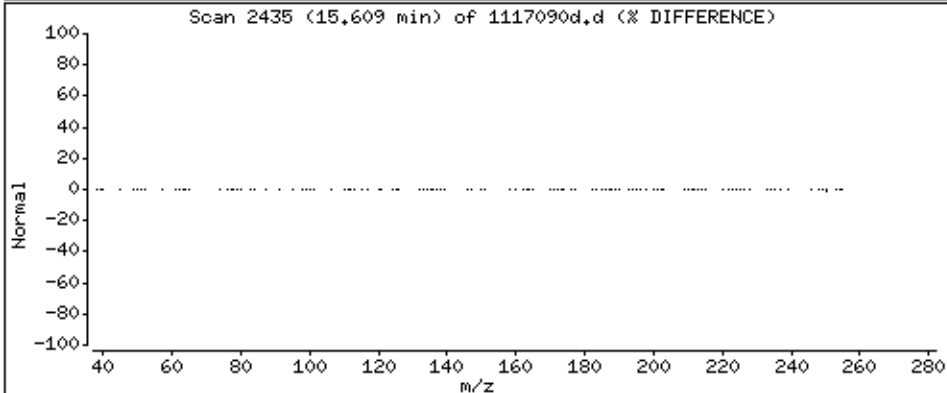
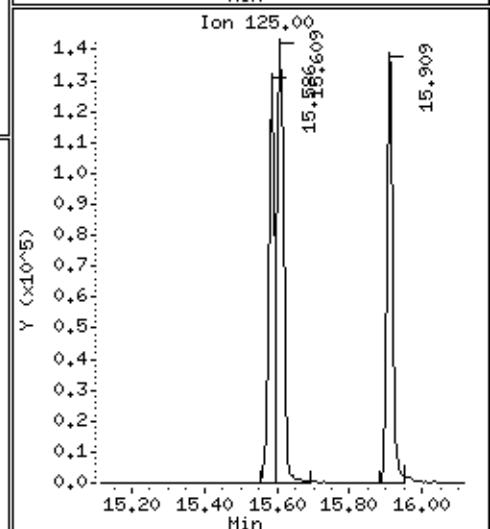
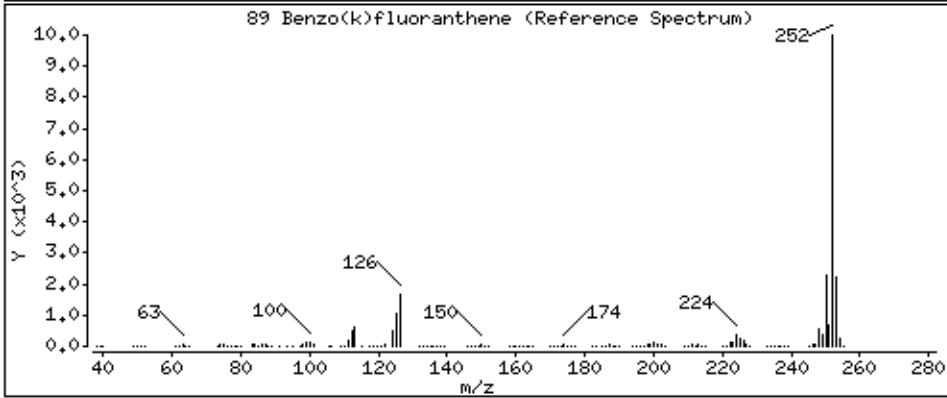
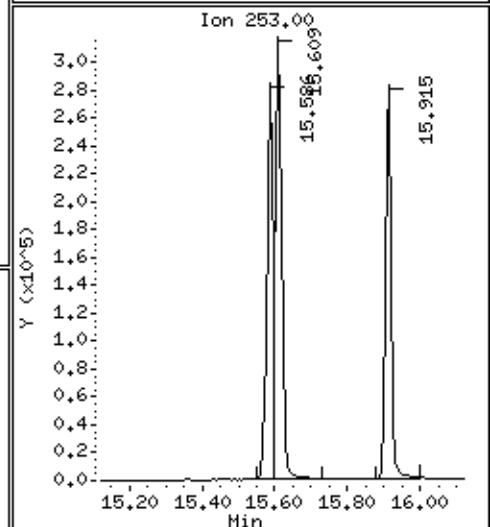
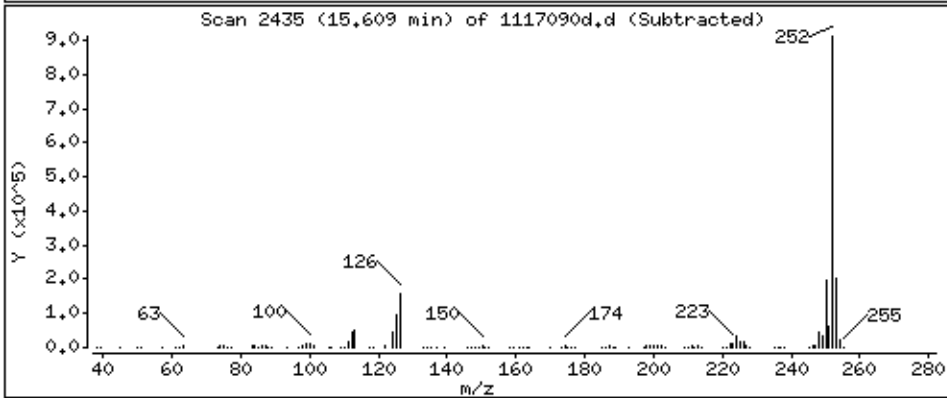
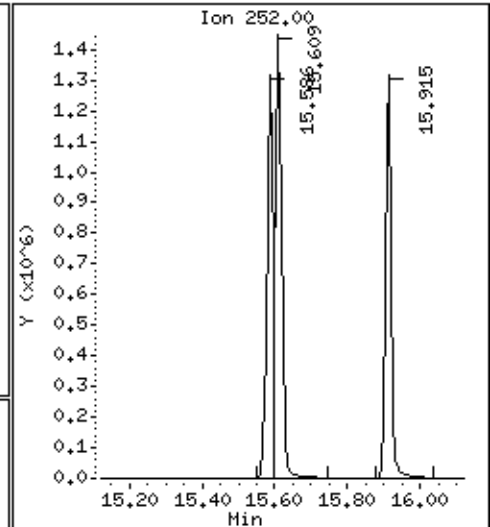
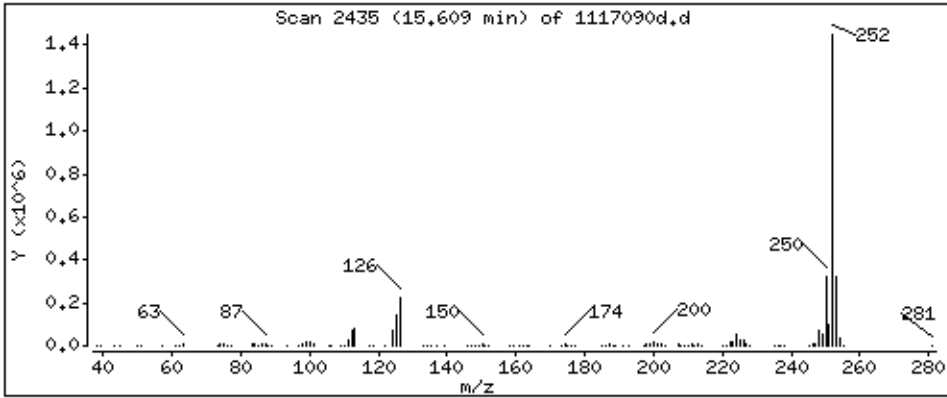
Operator: CEM

Column phase: .50um DB-5ms

Column diameter: 0,25

89 Benzo(k)fluoranthene

Concentration: 3921 ug/Kg



Date : 27-JUN-2014 18:08

Client ID: THW-5(12-14)HSD

Instrument: 50MSS3.i

Sample Info: 1117090

Volume Injected (uL): 1.0

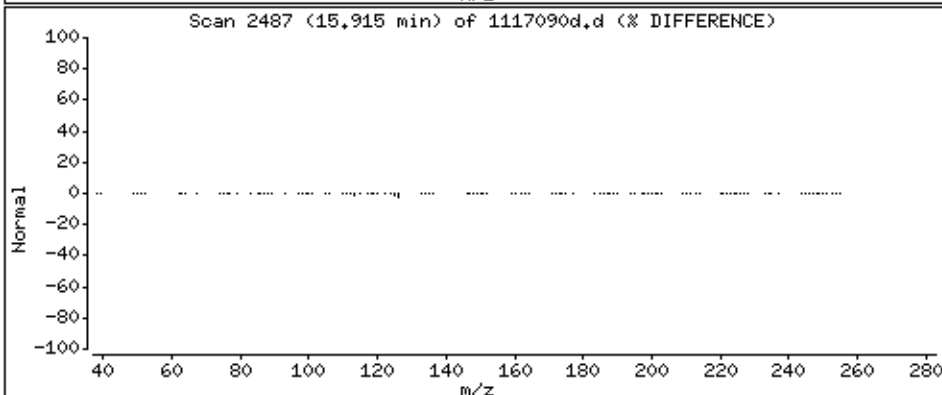
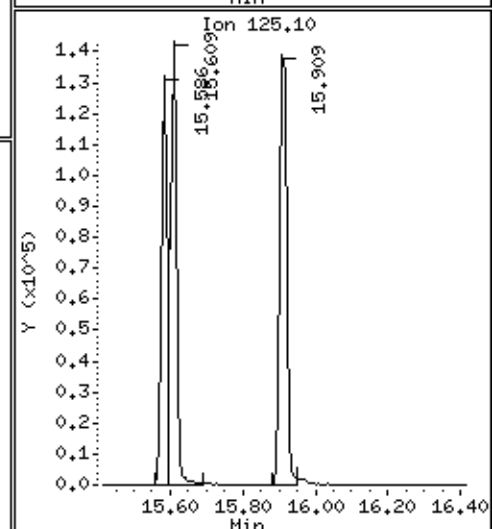
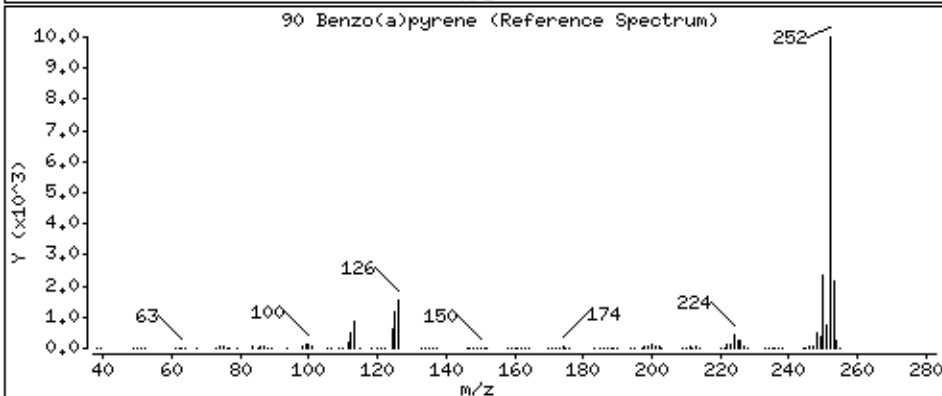
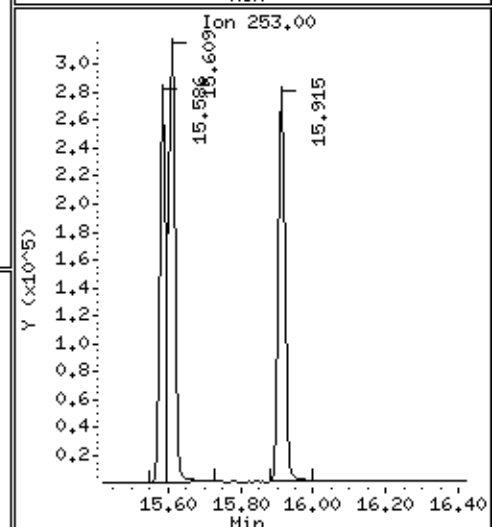
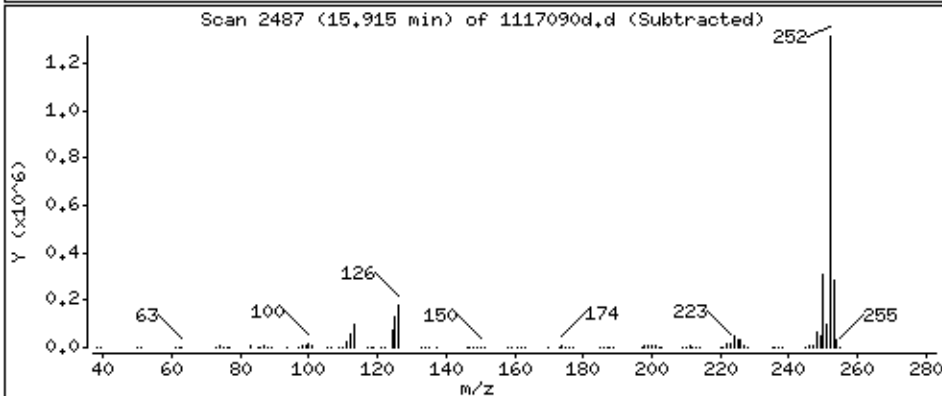
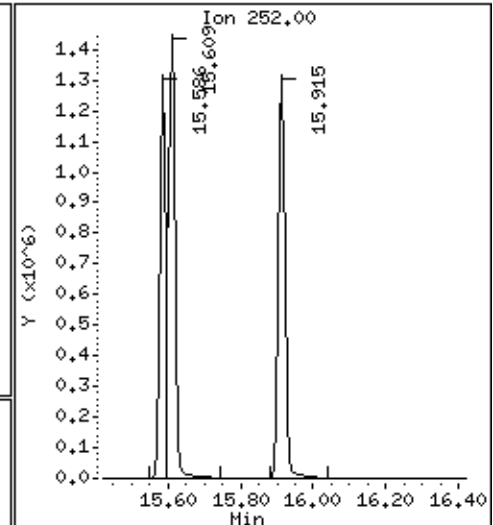
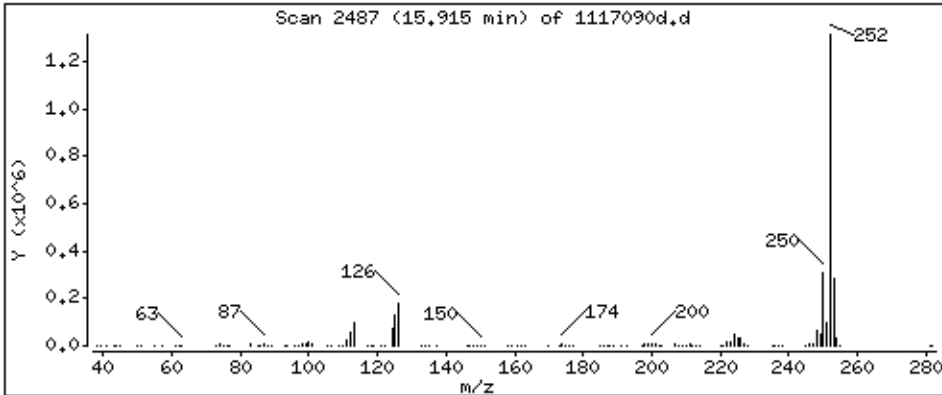
Operator: CEM

Column phase: .50um DB-5ms

Column diameter: 0,25

90 Benzo(a)pyrene

Concentration: 4040 ug/Kg



Date : 27-JUN-2014 18:08

Client ID: THW-5(12-14)HSD

Instrument: 50MSS3.i

Sample Info: 1117090

Volume Injected (uL): 1.0

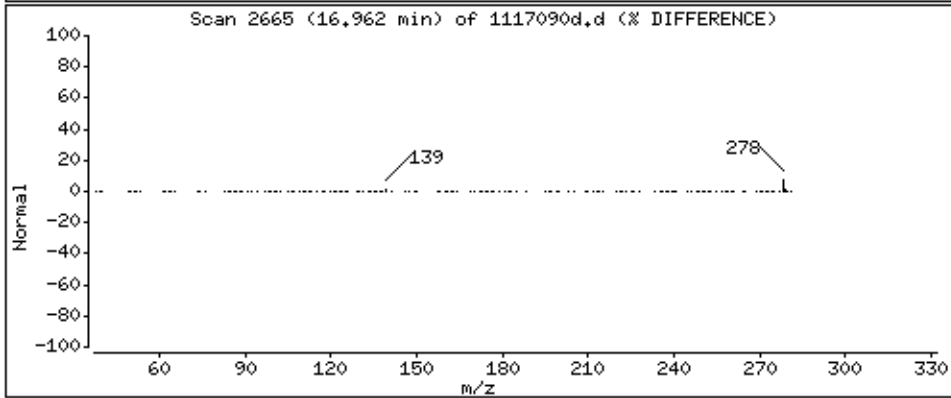
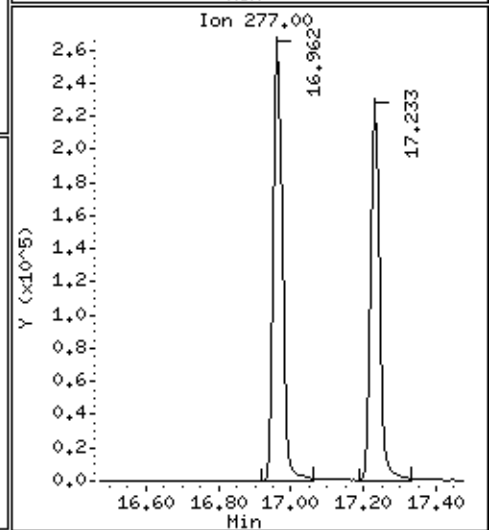
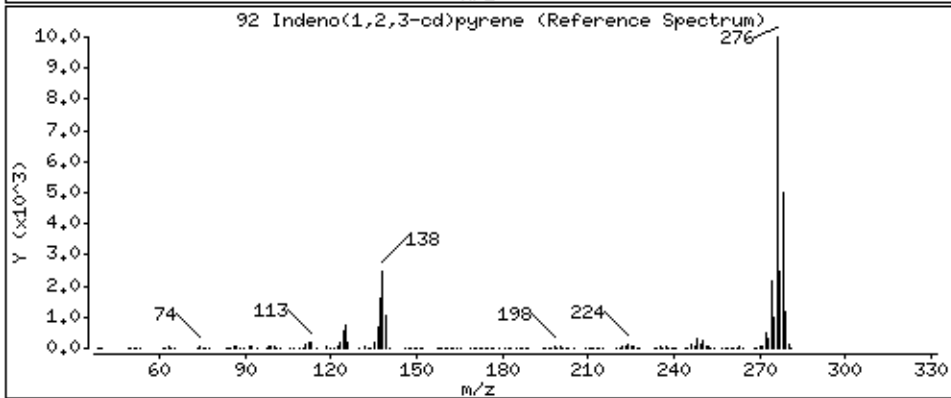
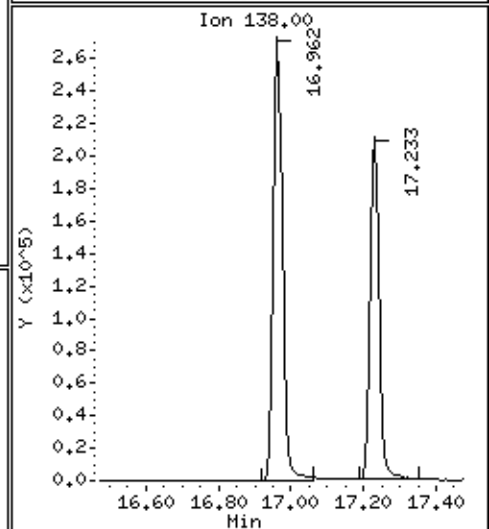
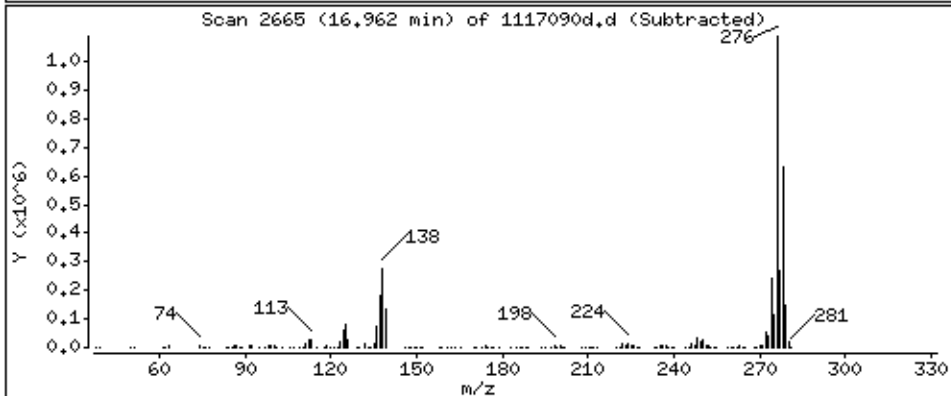
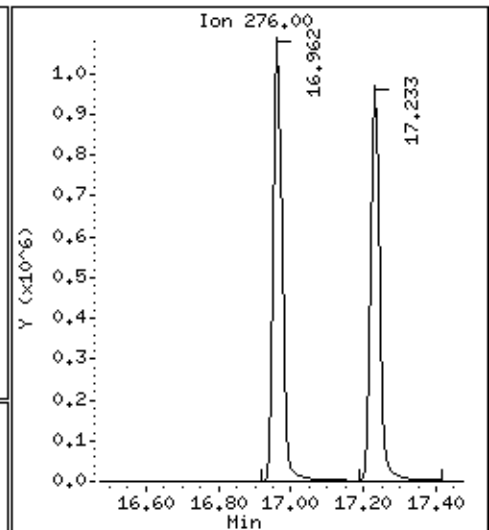
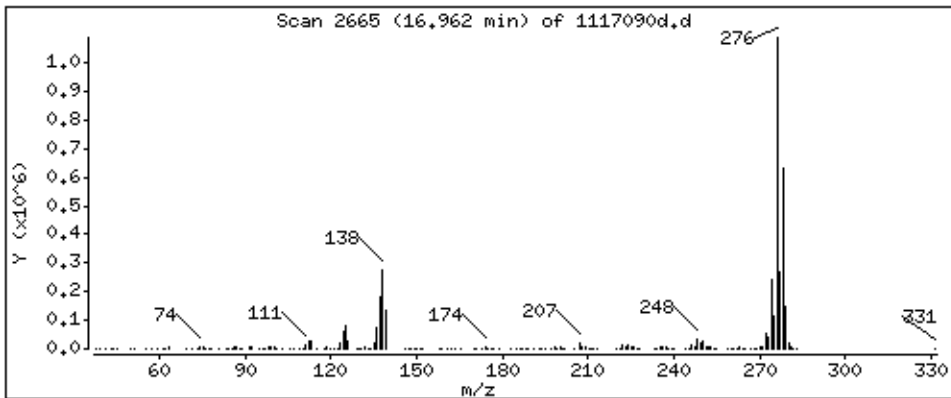
Operator: CEM

Column phase: .50um DB-5ms

Column diameter: 0,25

92 Indeno(1,2,3-cd)pyrene

Concentration: 3863 ug/Kg



Date : 27-JUN-2014 18:08

Client ID: THW-5(12-14)HSD

Instrument: 50MSS3.i

Sample Info: 1117090

Volume Injected (uL): 1.0

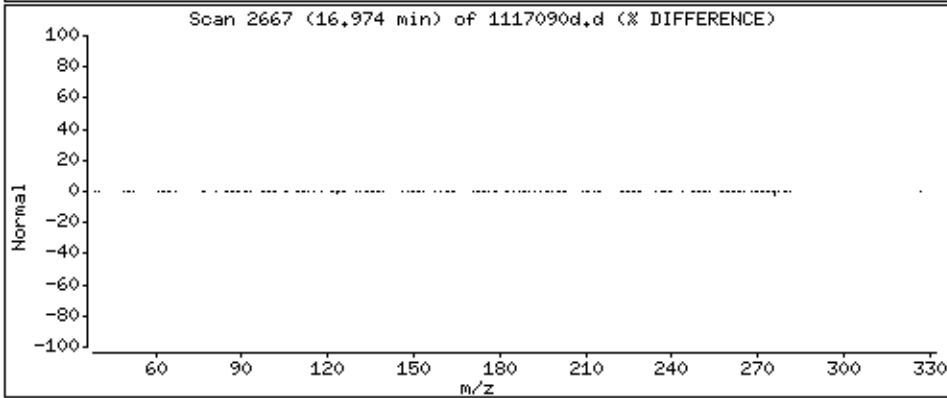
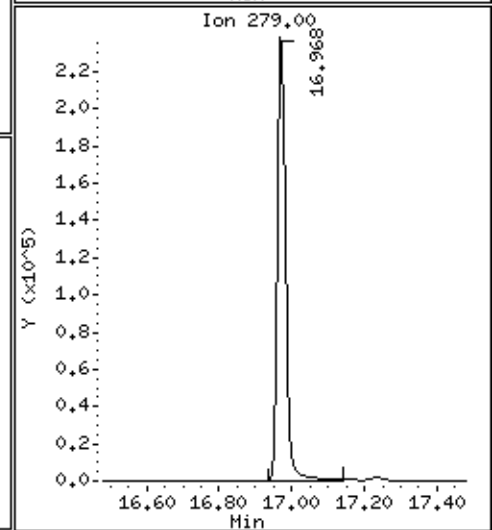
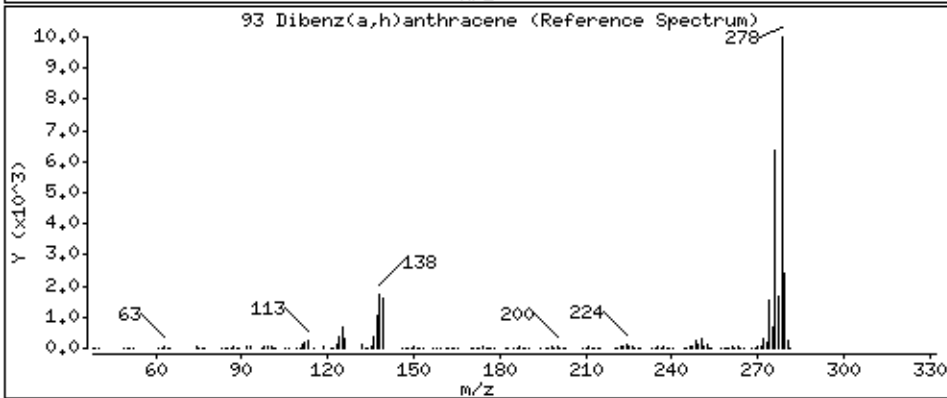
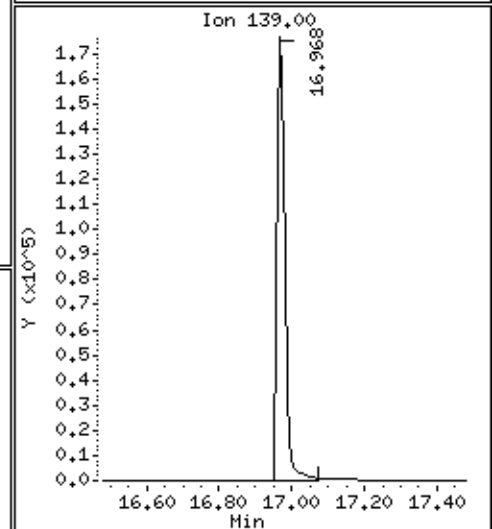
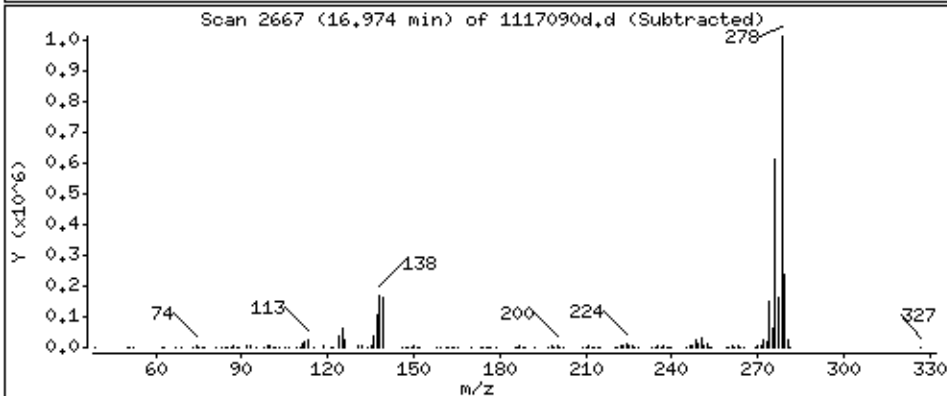
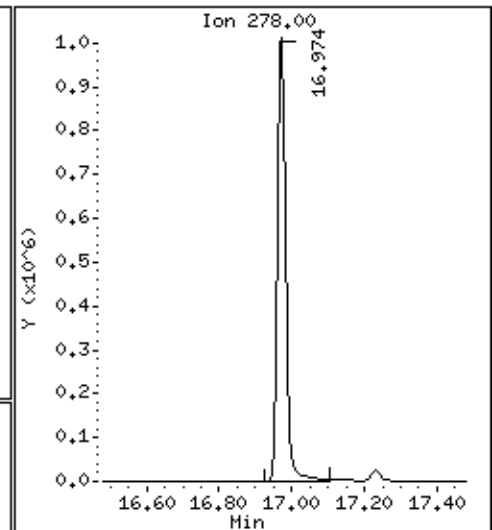
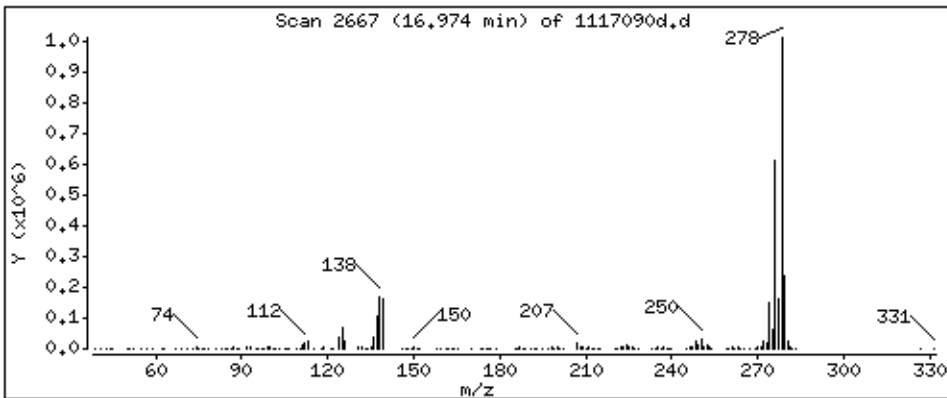
Operator: CEM

Column phase: .50um DB-5ms

Column diameter: 0,25

93 Dibenz(a,h)anthracene

Concentration: 3952 ug/Kg



Date : 27-JUN-2014 18:08

Client ID: THW-5(12-14)HSD

Instrument: 50MSS3.i

Sample Info: 1117090

Volume Injected (uL): 1.0

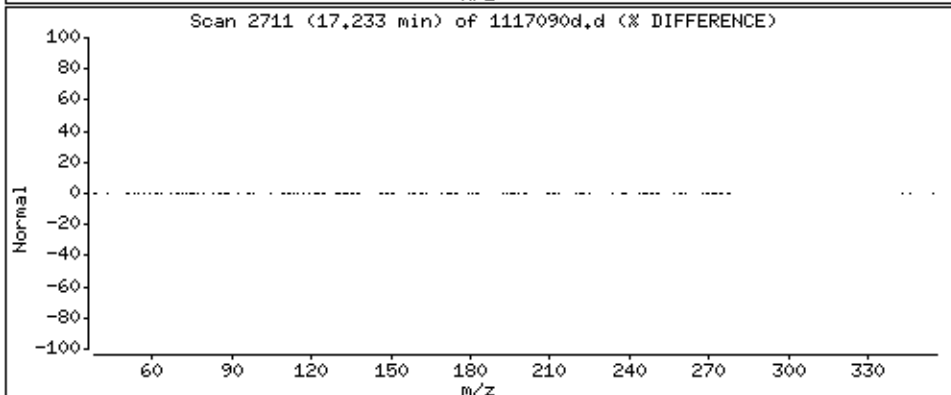
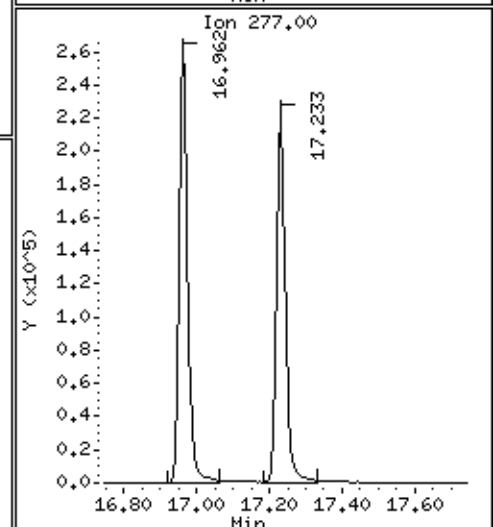
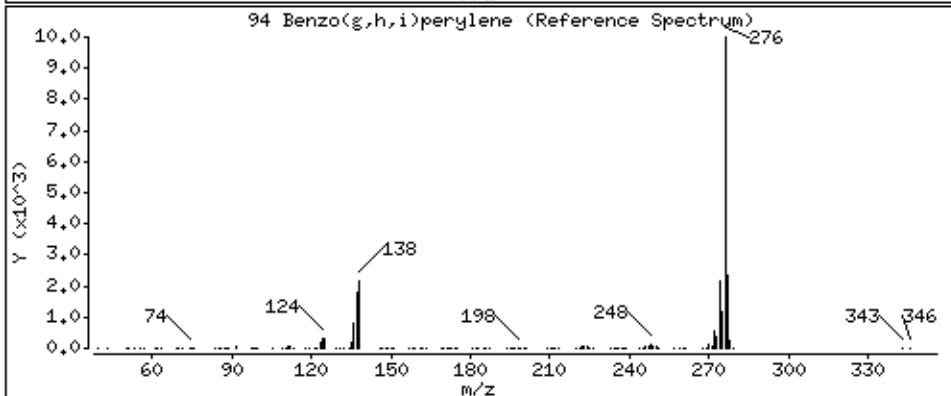
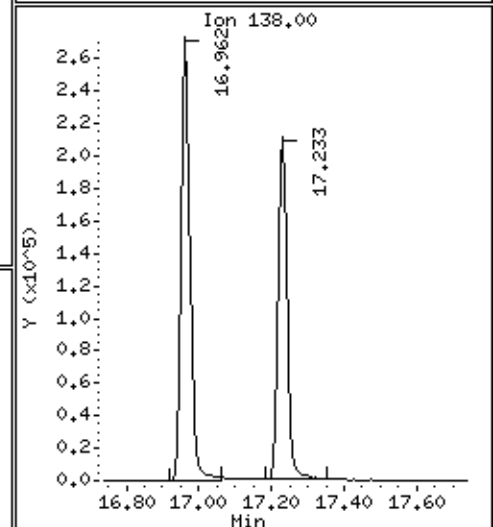
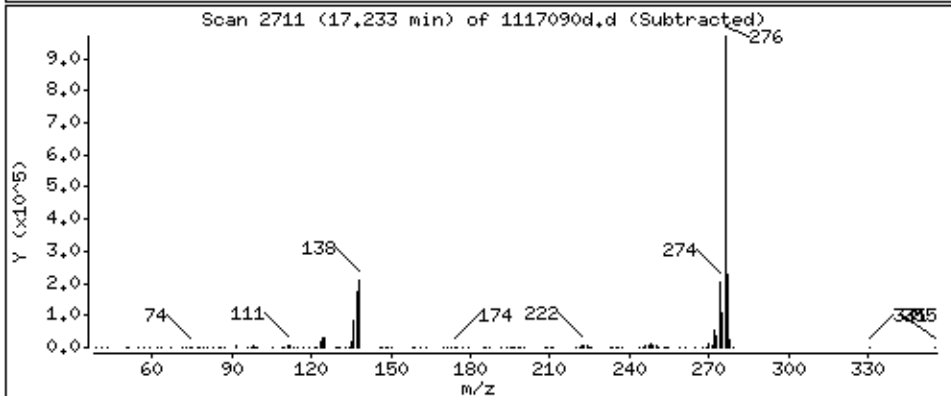
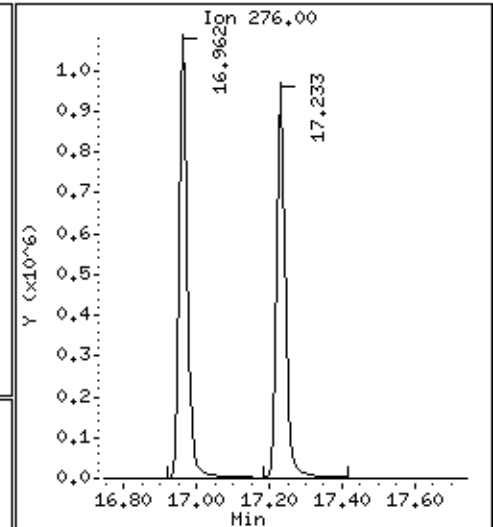
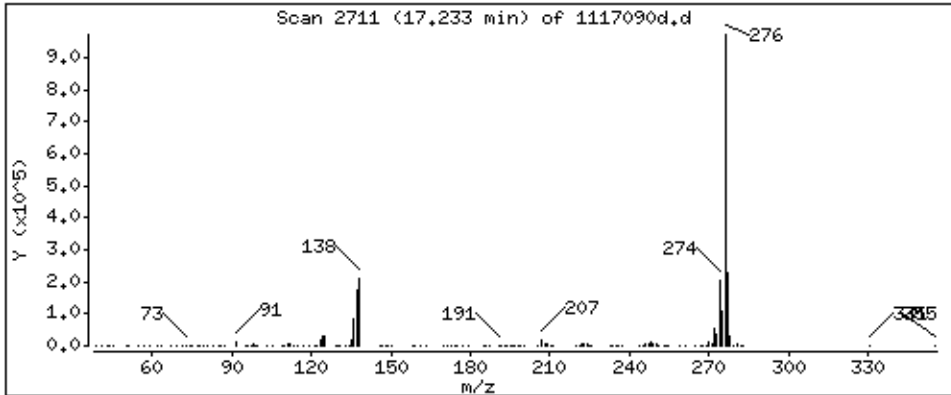
Operator: CEM

Column phase: .50um DB-5ms

Column diameter: 0,25

94 Benzo(g,h,i)perylene

Concentration: 3850 ug/Kg



MSSV FULL SCAN - FORM I SVOA-1
SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

MS

Lab Name: Pace Analytical - Indiana
Date Received: 06/21/2014 10:54
Date Extracted: 06/25/2014 12:30
Date Analyzed: 06/27/2014 21:14
Initial wt/vol: 30.3 g Final wt/vol: 1 mL Dilution: 1

Contract: Sibley-Accucast/2339-356-03-00
Matrix: Solid SDG No.: 5099688
Lab Sample ID: 1117091
Lab File ID: 062714.B\1117091M.D
Instrument: 50MSS3 Percent Moisture: 12.9%

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
83-32-9	Acenaphthene	2980	
208-96-8	Acenaphthylene	2850	
120-12-7	Anthracene	2880	
56-55-3	Benzo(a)anthracene	2800	
50-32-8	Benzo(a)pyrene	3380	
205-99-2	Benzo(b)fluoranthene	3720	
191-24-2	Benzo(g,h,i)perylene	2960	
207-08-9	Benzo(k)fluoranthene	3660	
59-50-7	4-Chloro-3-methylphenol	2440	
95-57-8	2-Chlorophenol	2220	
218-01-9	Chrysene	2900	
53-70-3	Dibenz(a,h)anthracene	3380	
121-14-2	2,4-Dinitrotoluene	2900	
206-44-0	Fluoranthene	3430	
86-73-7	Fluorene	3260	
193-39-5	Indeno(1,2,3-cd)pyrene	3120	
91-57-6	2-Methylnaphthalene	2840	
91-20-3	Naphthalene	2860	
100-02-7	4-Nitrophenol	2790	
621-64-7	N-Nitroso-di-n-propylamine	2890	
87-86-5	Pentachlorophenol	1950	
85-01-8	Phenanthrene	3130	
108-95-2	Phenol	2410	
129-00-0	Pyrene	3420	

07/21/2014 12:56

Pace Analytical Services, Inc.

Semivolatile REPORT SW-846 Method 8270/EPA 625

Data file : \\192.168.50.6\chem\50MSS3.i\062714.b\1117091m.d
 Lab Smp Id: 1117091 Client Smp ID: TMW-6(2-4)MS
 Inj Date : 27-JUN-2014 21:14
 Operator : CEM Inst ID: 50MSS3.i
 Smp Info : 1117091
 Misc Info : 15583
 Comment :
 Method : \\192.168.50.6\chem\50MSS3.i\062714.b\8270c.m
 Meth Date : 30-Jun-2014 13:19 50MSS3.i Quant Type: ISTD
 Cal Date : 10-JUN-2014 12:11 Cal File: 100ppm.d
 Als bottle: 23 QC Sample: MS
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: most.sub
 Target Version: 4.14
 Processing Host: 50-SVOA-SN

Concentration Formula: Amt * DF * Uf * Vt / (Vi * Ws * (100 - M) / 100) * CpndV

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vt	1000.000	Volume of final extract (uL)
Vi	1.000	Volume Injected (uL)
Ws	30.300	Weight of sample extracted (g)
M	12.856	% Moisture
Cpnd Variable		Local Compound Variable

Compounds	QUANT	SIG	MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
								ON-COLUMN (ug/ml)	FINAL (ug/Kg)
\$ 3 2-Fluorophenol (S)	112			3.386	3.380	(0.730)	192859	60.1879	2279
\$ 7 Phenol-d5 (S)	99			4.404	4.404	(0.949)	264023	66.2692	2510
8 Phenol	94			4.416	4.415	(0.952)	269883	63.5585	2407
9 2-Chlorophenol	128			4.480	4.474	(0.966)	225088	58.7352	2224
* 11 1,4-Dichlorobenzene-d4 (IS)	152			4.639	4.633	(1.000)	111576	40.0000	
12 1,4-Dichlorobenzene	146			4.657	4.657	(1.004)	305568	71.0005	2689
20 N-Nitroso-di-n-propylamine	70			5.198	5.198	(1.120)	173641	76.2345	2887
\$ 23 Nitrobenzene-d5 (S)	82			5.369	5.368	(0.824)	237014	73.7389	2793
30 1,2,4-Trichlorobenzene	180			6.451	6.451	(0.990)	270837	76.5912	2901
* 32 Naphthalene-d8 (IS)	136			6.515	6.515	(1.000)	440423	40.0000	
33 Naphthalene	128			6.557	6.557	(1.006)	843381	75.6467	2865
39 4-Chloro-3-methylphenol	107			8.145	8.139	(1.250)	189455	64.4528	2441 (QM)
38 2-Methylnaphthalene	142			8.145	8.145	(1.250)	778971	74.8595	2835
40 1-Methylnaphthalene	142			8.362	8.362	(1.283)	535491	70.1780	2658
\$ 44 2-Fluorobiphenyl (S)	172			8.927	8.927	(0.903)	651904	76.4563	2896
51 Acenaphthylene	152			9.668	9.674	(0.978)	889779	75.2205	2849
* 53 Acenaphthene-d10 (IS)	164			9.886	9.886	(1.000)	262933	40.0000	
54 Acenaphthene	153			9.927	9.927	(1.004)	594231	78.6749	2980
59 4-Nitrophenol	109			10.315	10.303	(1.043)	65246	73.7048	2791

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN (ug/ml)	FINAL (ug/Kg)
58 2,4-Dinitrotoluene	165	10.251	10.250	(1.037)	192094	76.4835	2896
61 Fluorene	166	10.556	10.562	(1.068)	721276	86.2006	3264
\$ 67 2,4,6-Tribromophenol (S)	330	10.886	10.886	(0.939)	95579	60.7504	2301
71 Pentachlorophenol	266	11.503	11.503	(0.992)	99819	51.5739	1953
* 72 Phenanthrene-d10 (IS)	188	11.598	11.597	(1.000)	500660	40.0000	
73 Phenanthrene	178	11.621	11.627	(1.002)	1139449	82.7345	3133
74 Anthracene	178	11.668	11.674	(1.006)	1051544	76.0354	2880
77 Fluoranthene	202	12.856	12.856	(1.109)	1380448	90.5885	3431
79 Pyrene	202	13.080	13.080	(1.128)	1424954	90.1903	3416
\$ 80 p-Terphenyl-d14 (S)	244	13.250	13.256	(1.143)	1106587	106.070	4017
82 Benzo(a)anthracene	228	14.344	14.350	(0.999)	1435324	73.9088	2799
* 84 Chrysene-d12 (IS)	240	14.362	14.368	(1.000)	724299	40.0000	
85 Chrysene	228	14.397	14.403	(1.002)	1418976	76.6082	2901
88 Benzo(b)fluoranthene	252	15.585	15.591	(0.976)	1499213	98.2456	3721
89 Benzo(k)fluoranthene	252	15.609	15.621	(0.978)	1612422	96.7671	3665
90 Benzo(a)pyrene	252	15.909	15.921	(0.996)	1251479	89.1409	3376
* 91 Perylene-d12 (IS)	264	15.968	15.974	(1.000)	507385	40.0000	
92 Indeno(1,2,3-cd)pyrene	276	16.962	16.973	(1.062)	1431498	82.5117	3125
93 Dibenz(a,h)anthracene	278	16.968	16.979	(1.063)	1262816	89.1544	3376
94 Benzo(g,h,i)perylene	276	17.232	17.244	(1.079)	1172586	78.0547	2956

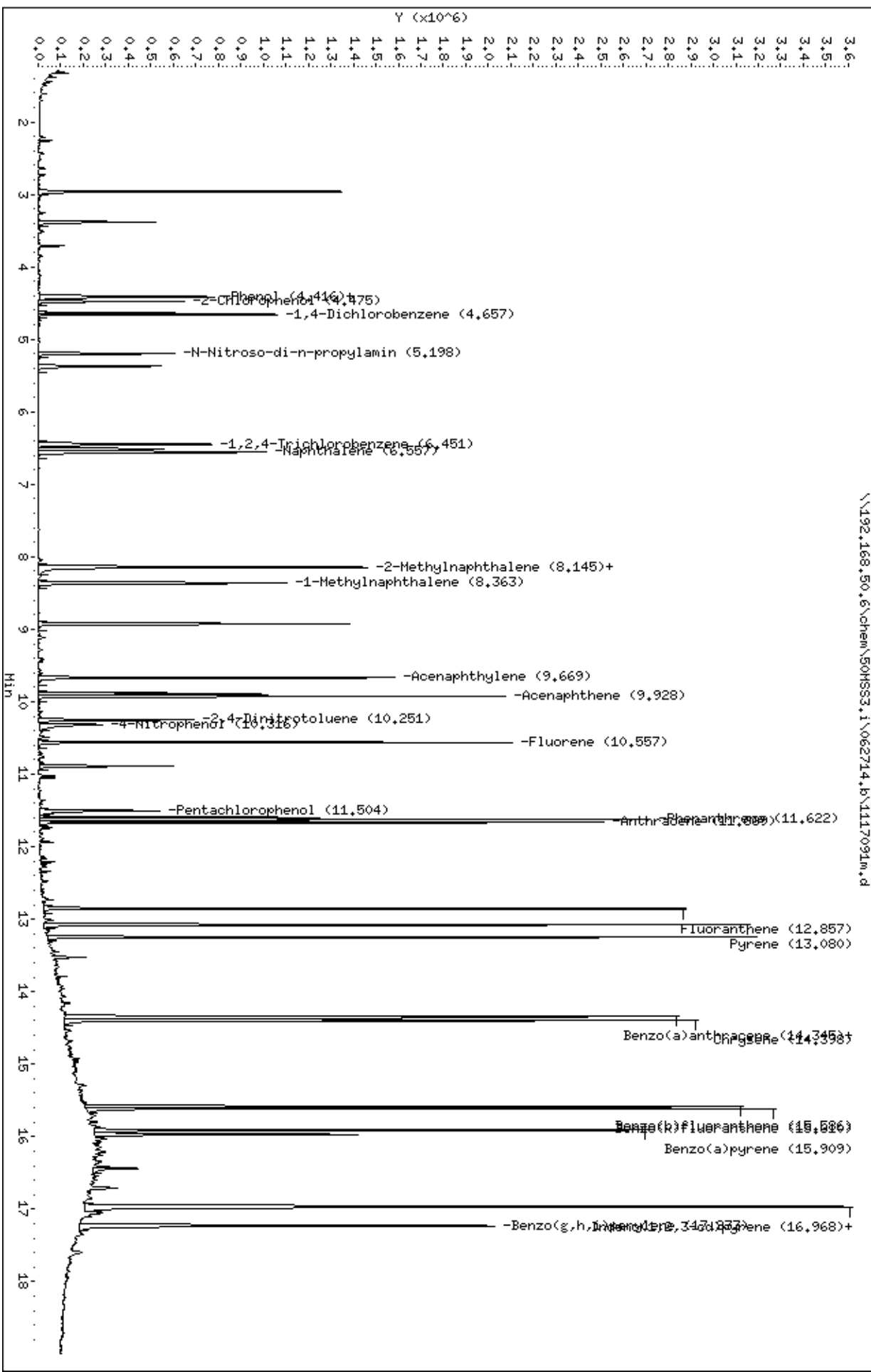
QC Flag Legend

Q - Qualifier signal failed the ratio test.
 M - Compound response manually integrated.

Data File: \\192.168.50.6\chem\50HSS3.1\062714.b\1117091m.d
 Date: 27-JUN-2014 21:14
 Client ID: TMM-6(2-4)MS
 Sample Info: 1117091
 Volume Injected (uL): 1.0
 Column phase: 50um DB-5ms

Instrument: 50HSS3.1
 Operator: CEH
 Column diameter: 0.25

\\192.168.50.6\chem\50HSS3.1\062714.b\1117091m.d



Date : 27-JUN-2014 21:14

Client ID: THW-6(2-4)MS

Instrument: 50MSS3.i

Sample Info: 1117091

Volume Injected (uL): 1.0

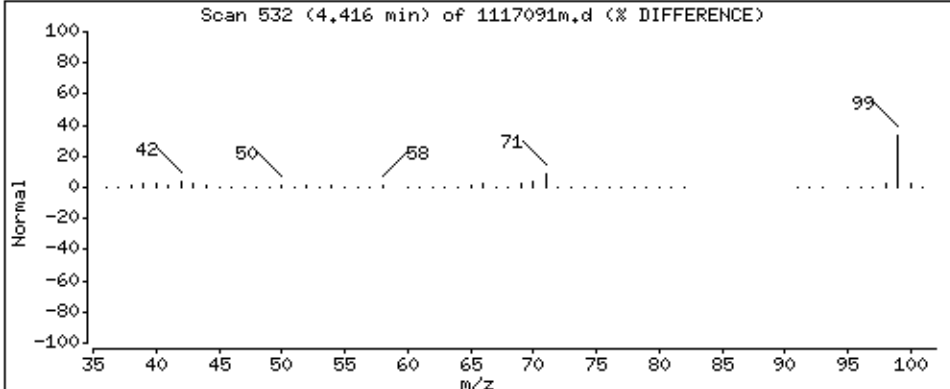
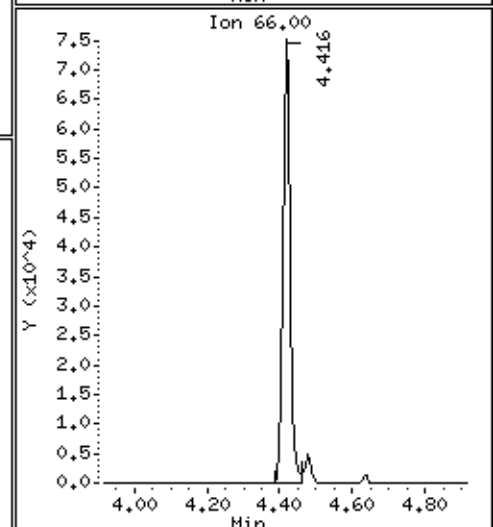
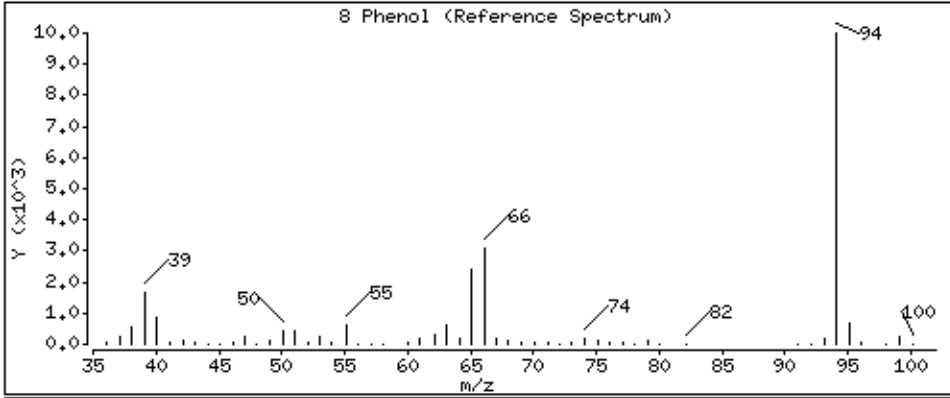
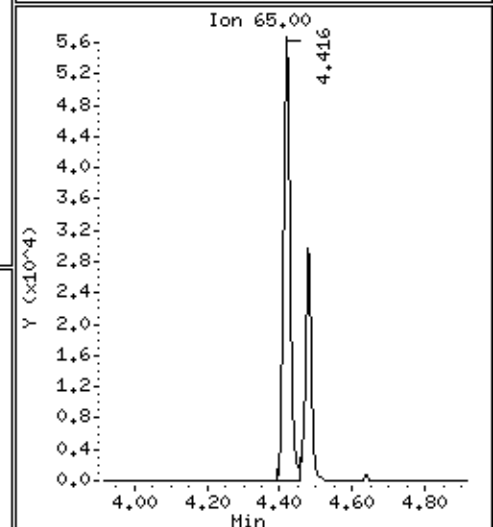
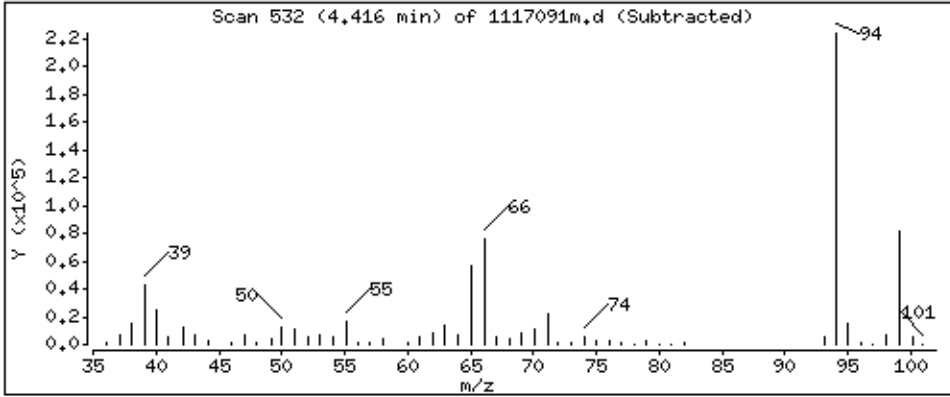
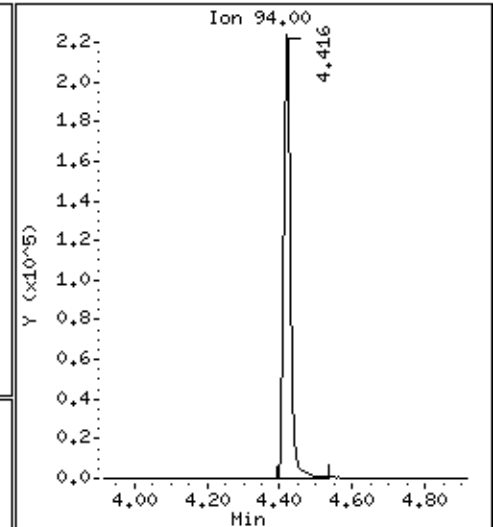
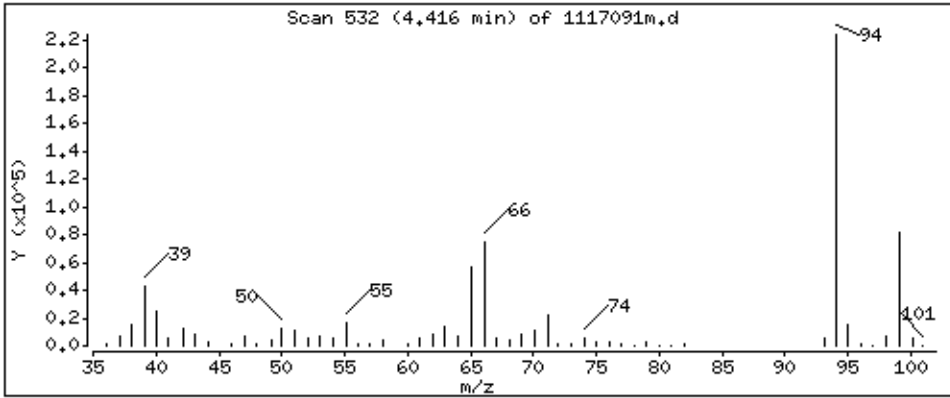
Operator: CEM

Column phase: .50um DB-5ms

Column diameter: 0,25

8 Phenol

Concentration: 2407 ug/Kg



Date : 27-JUN-2014 21:14

Client ID: THW-6(2-4)MS

Instrument: 50MSS3.i

Sample Info: 1117091

Volume Injected (uL): 1.0

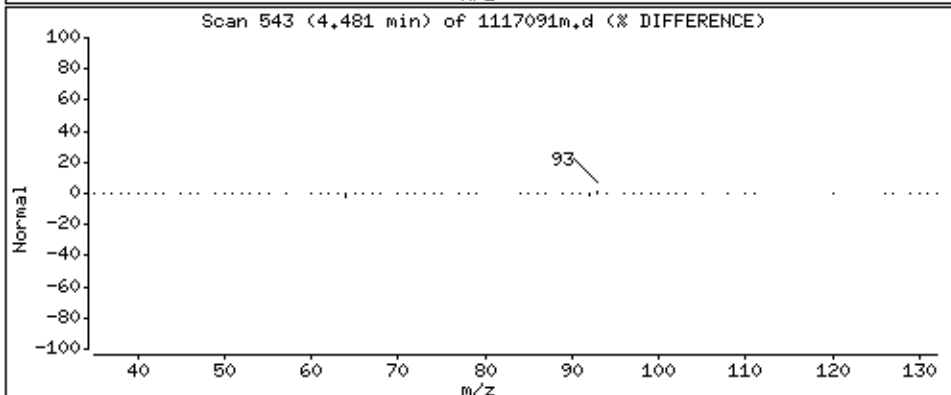
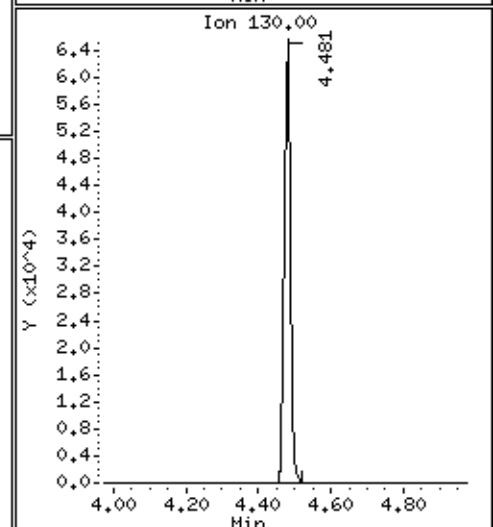
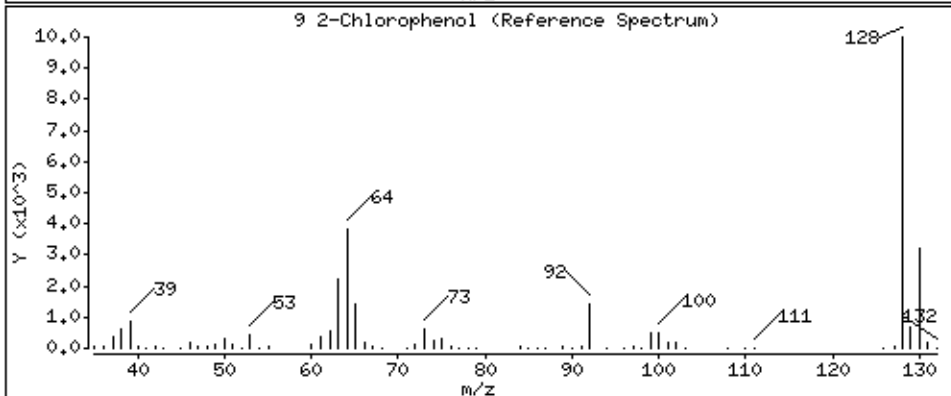
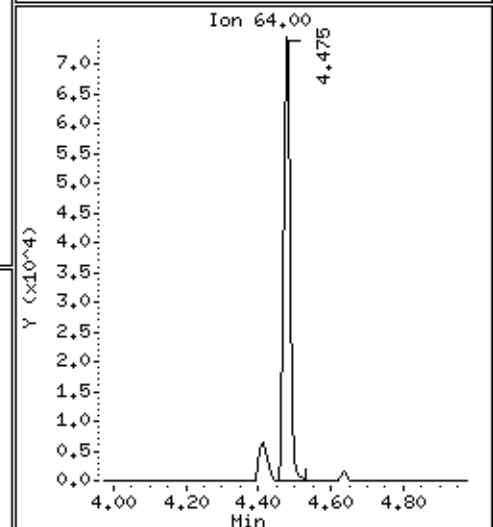
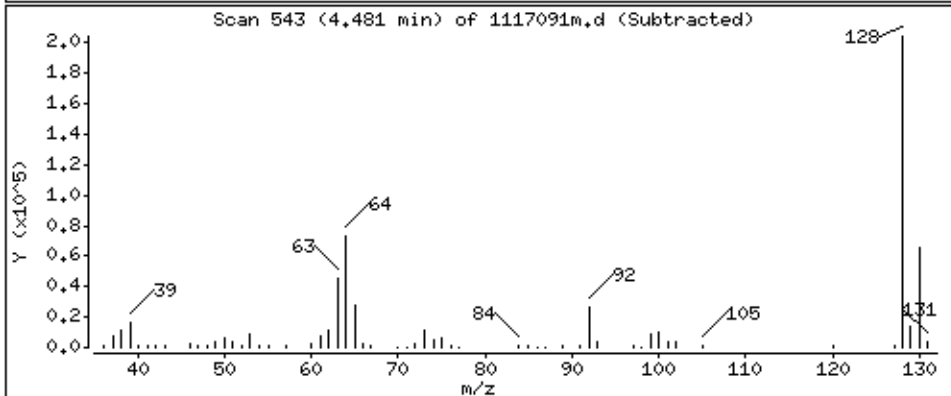
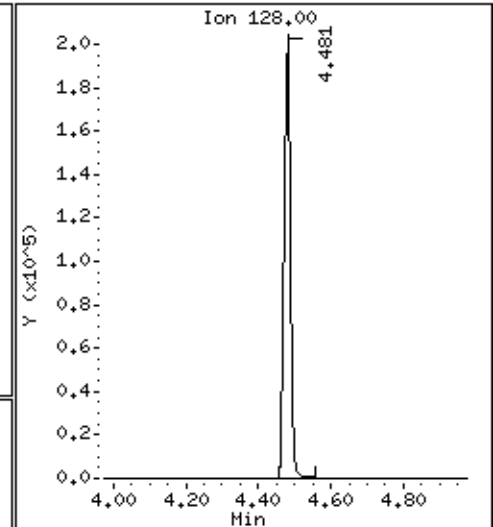
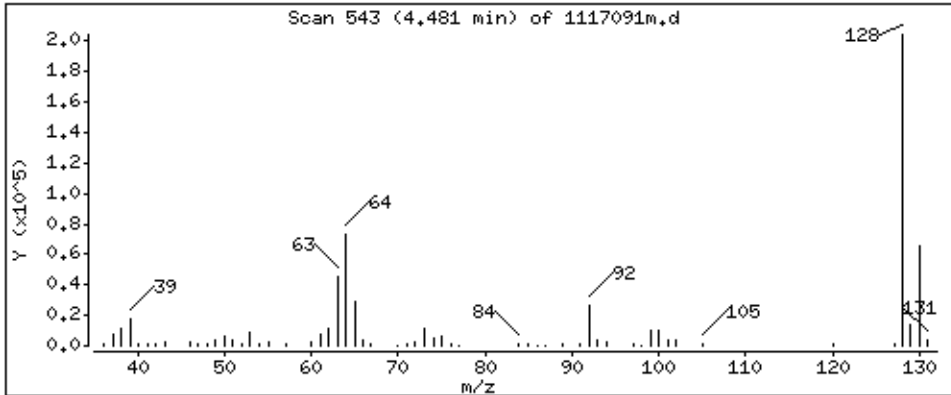
Operator: CEM

Column phase: .50um DB-5ms

Column diameter: 0,25

9 2-Chlorophenol

Concentration: 2224 ug/Kg



Date : 27-JUN-2014 21:14

Client ID: THW-6(2-4)MS

Instrument: 50MSS3.i

Sample Info: 1117091

Volume Injected (uL): 1.0

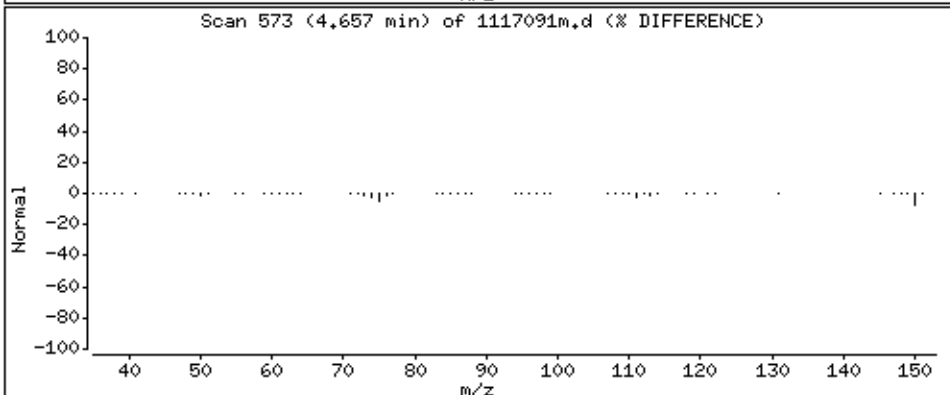
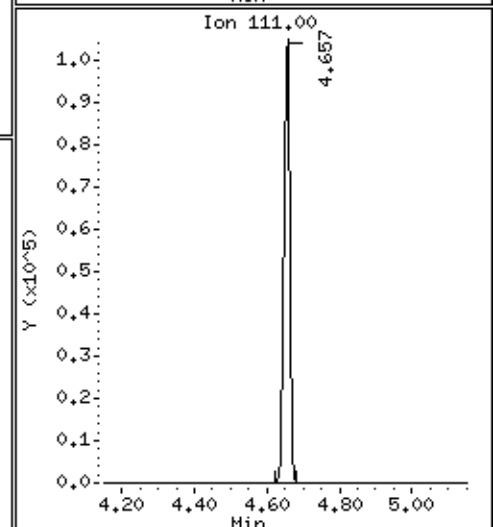
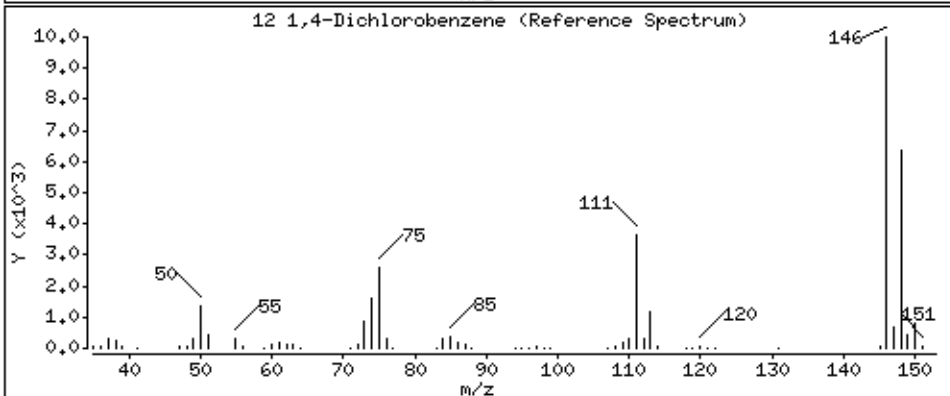
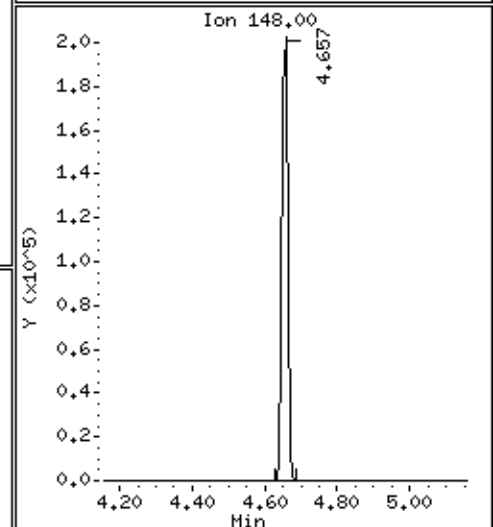
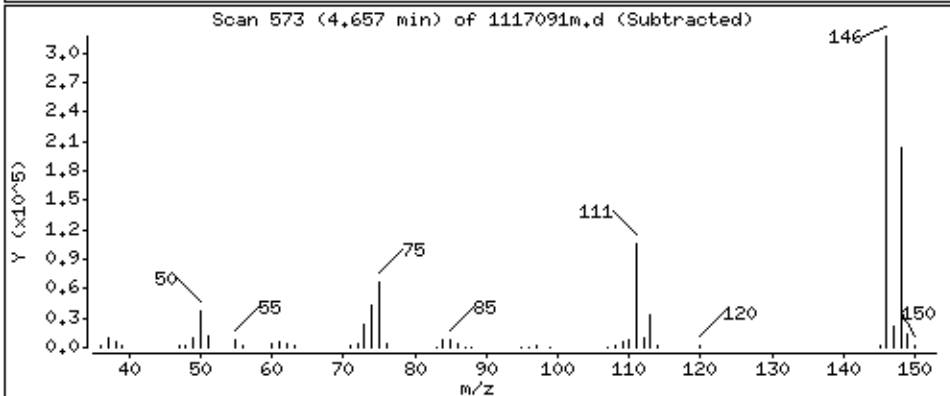
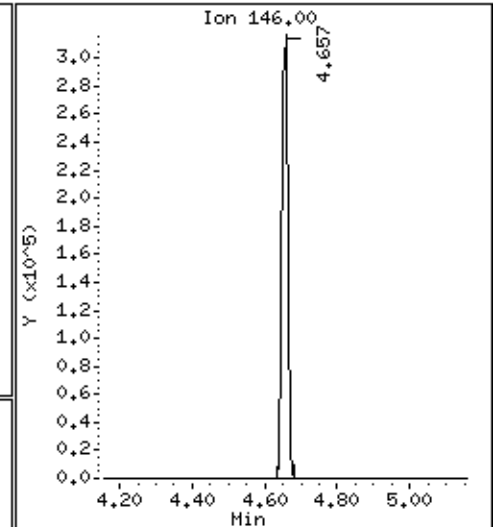
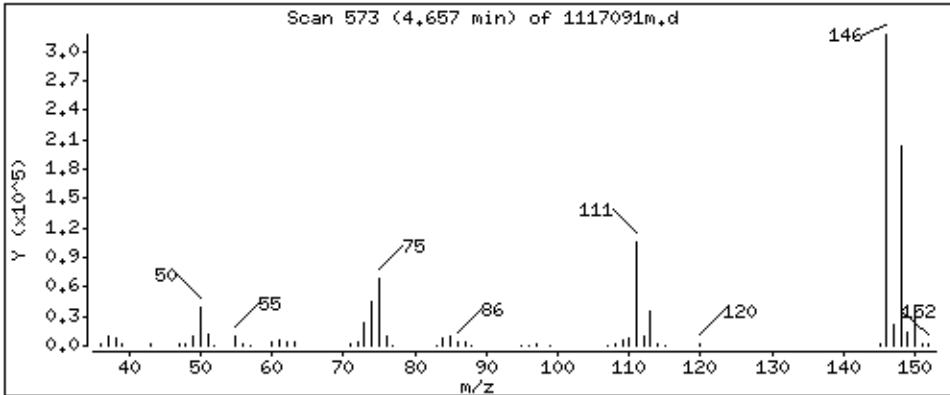
Operator: CEM

Column phase: .50um DB-5ms

Column diameter: 0,25

12 1,4-Dichlorobenzene

Concentration: 2689 ug/Kg



Date : 27-JUN-2014 21:14

Client ID: THW-6(2-4)MS

Instrument: 50MSS3.i

Sample Info: 1117091

Volume Injected (uL): 1.0

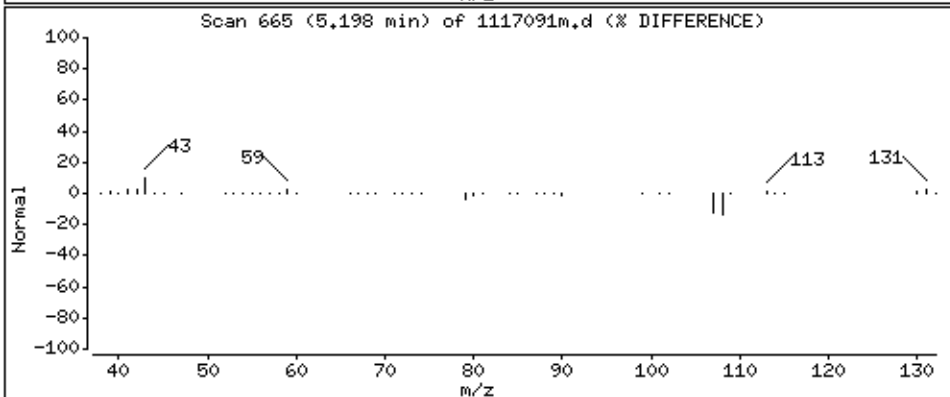
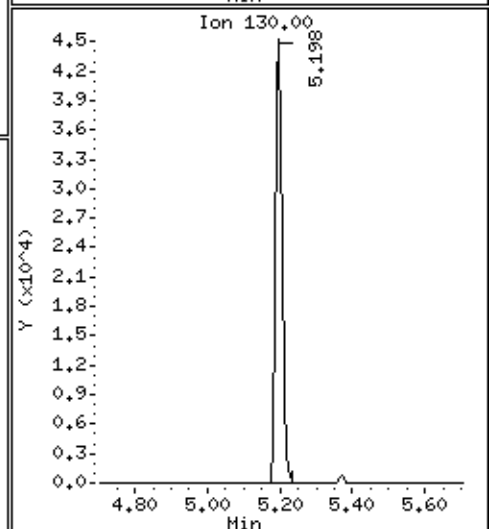
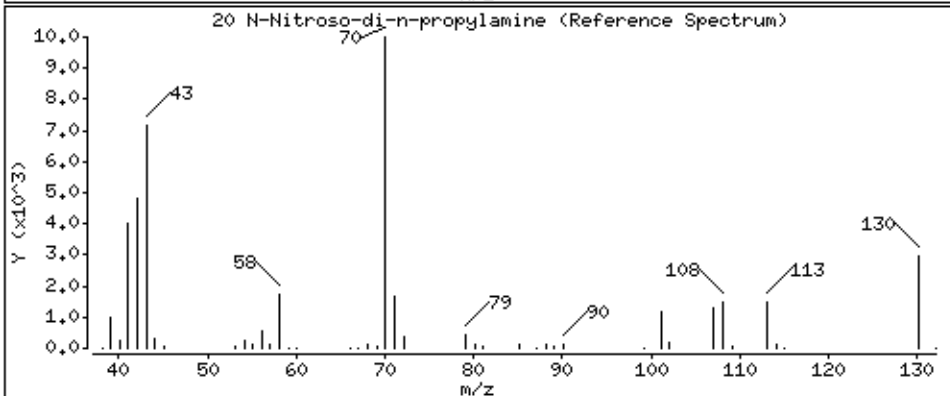
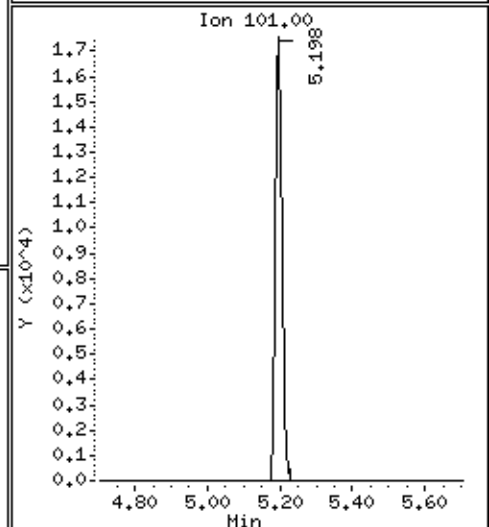
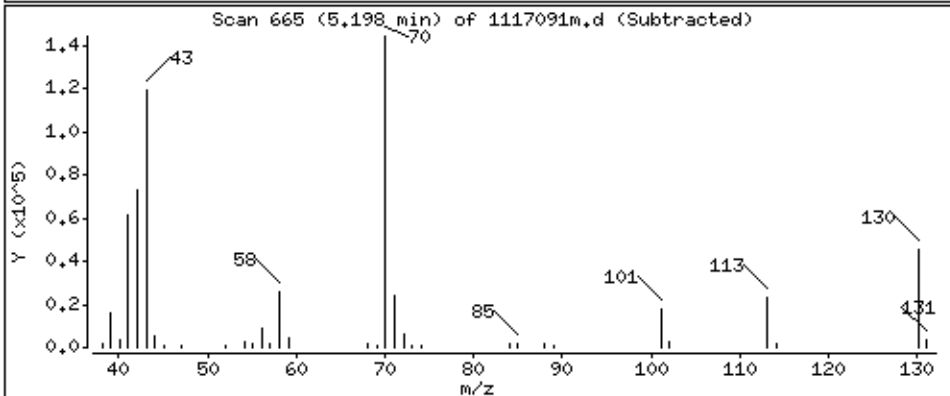
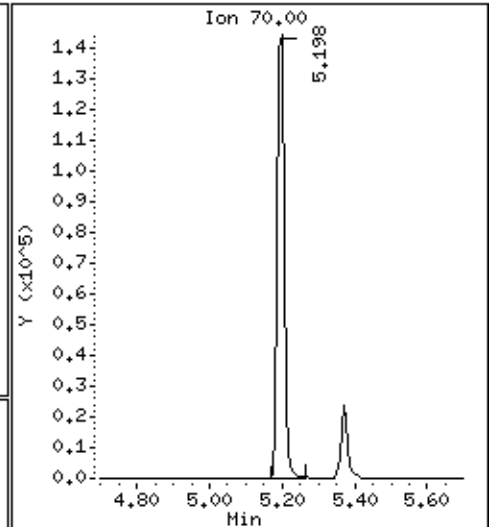
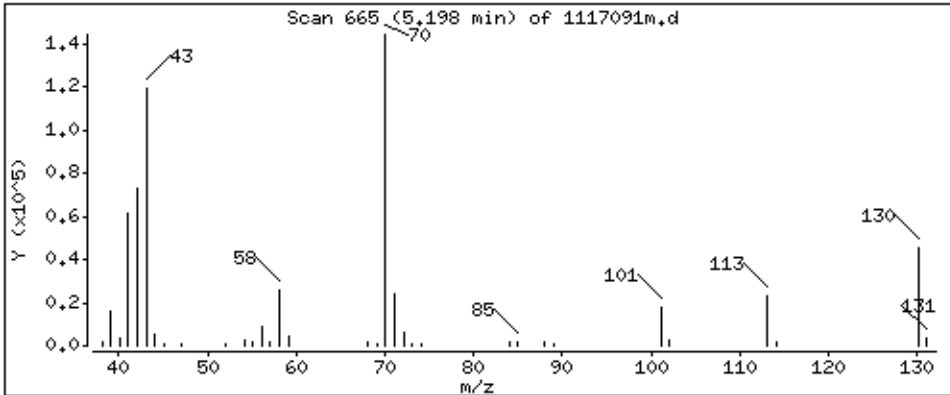
Operator: CEM

Column phase: .50um DB-5ms

Column diameter: 0,25

20 N-Nitroso-di-n-propylamine

Concentration: 2887 ug/Kg



Date : 27-JUN-2014 21:14

Client ID: THW-6(2-4)MS

Instrument: 50MSS3.i

Sample Info: 1117091

Volume Injected (uL): 1.0

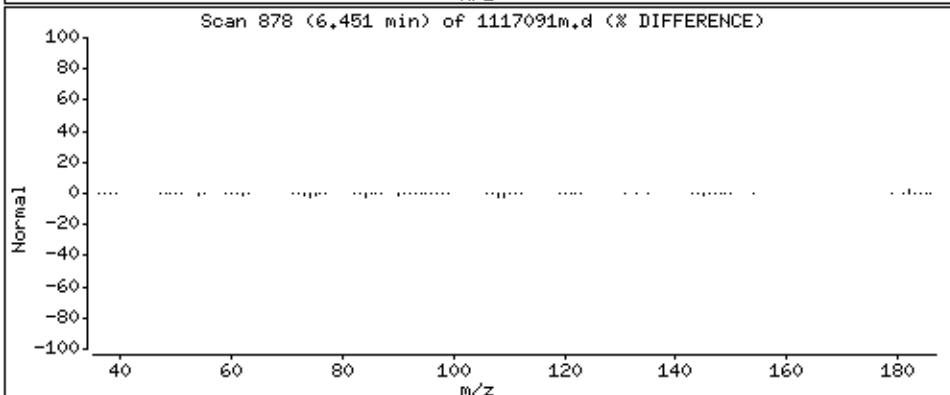
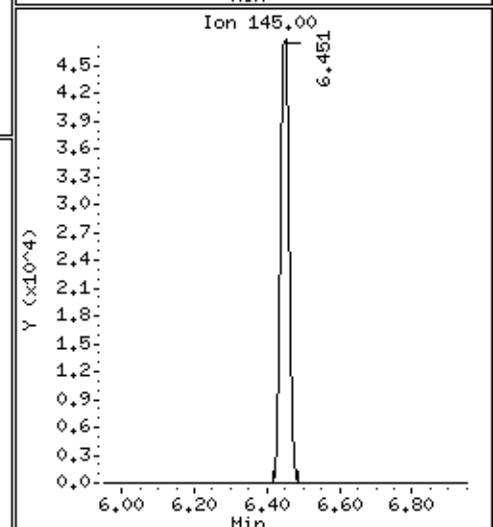
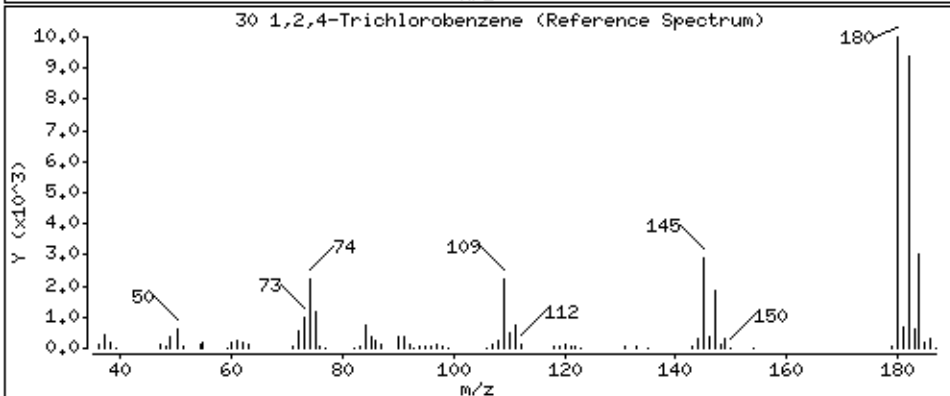
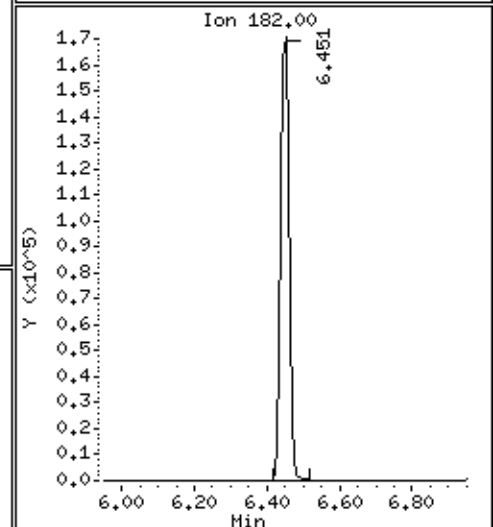
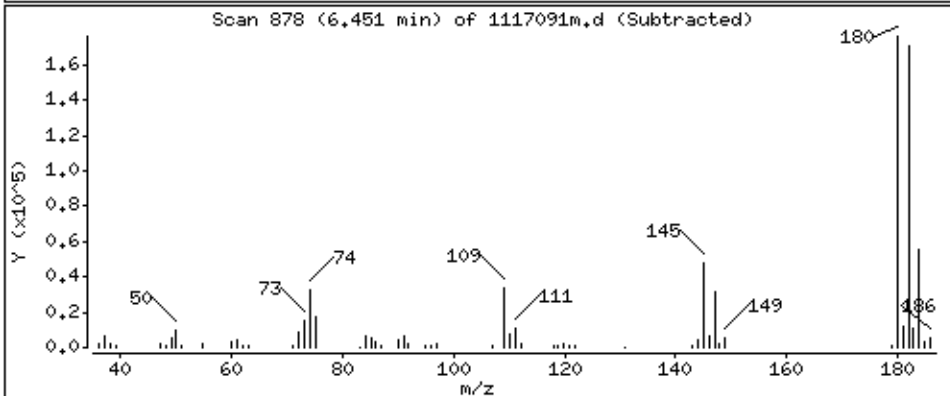
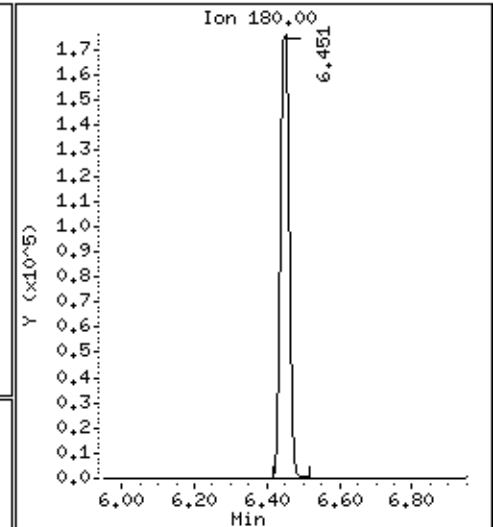
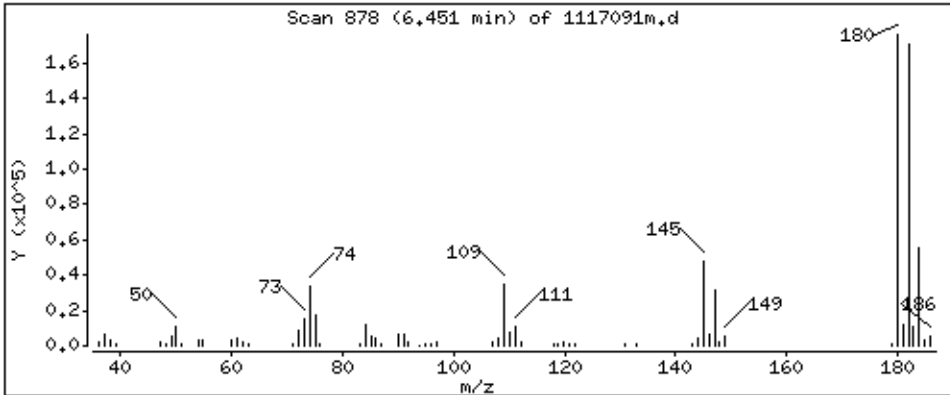
Operator: CEM

Column phase: .50um DB-5ms

Column diameter: 0,25

30 1,2,4-Trichlorobenzene

Concentration: 2901 ug/Kg



Date : 27-JUN-2014 21:14

Client ID: THW-6(2-4)MS

Instrument: 50MSS3.i

Sample Info: 1117091

Volume Injected (uL): 1.0

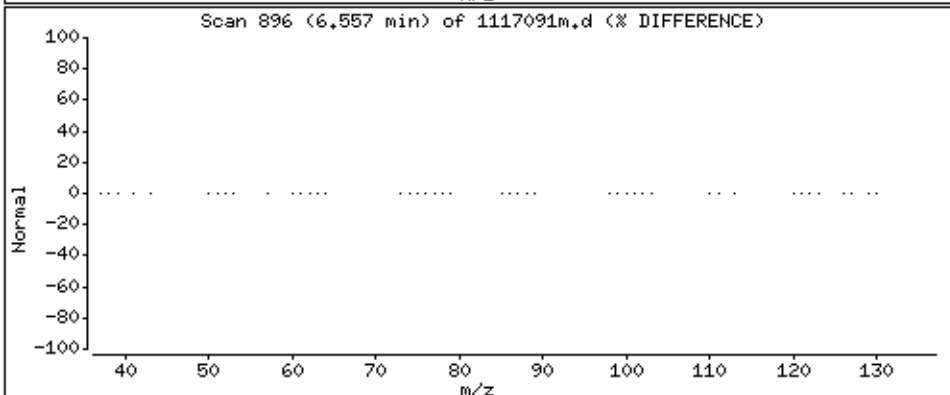
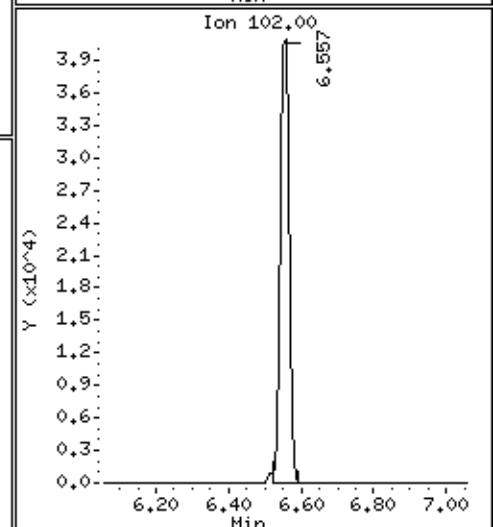
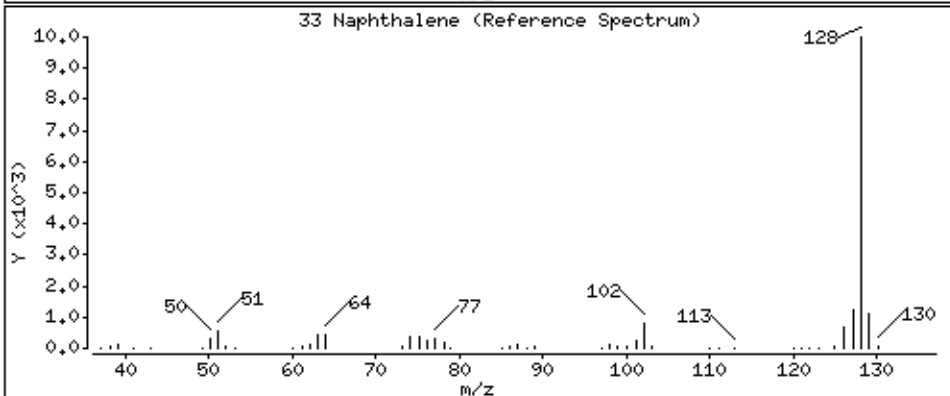
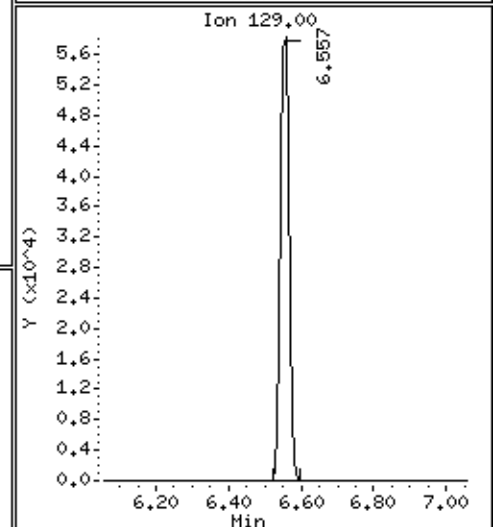
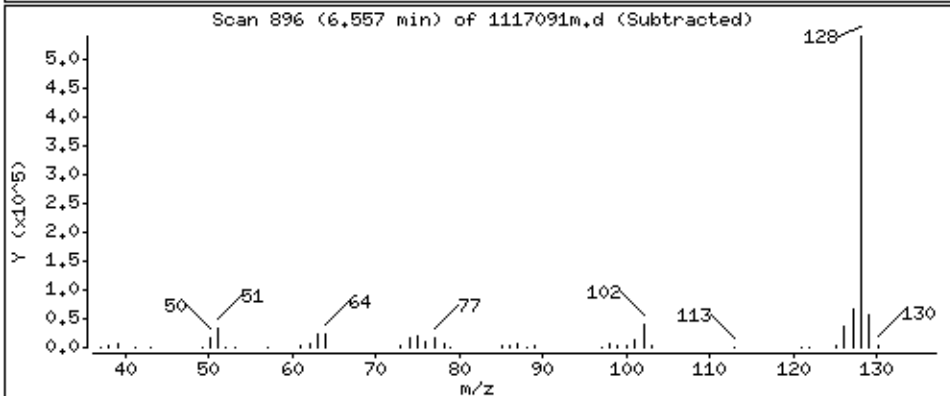
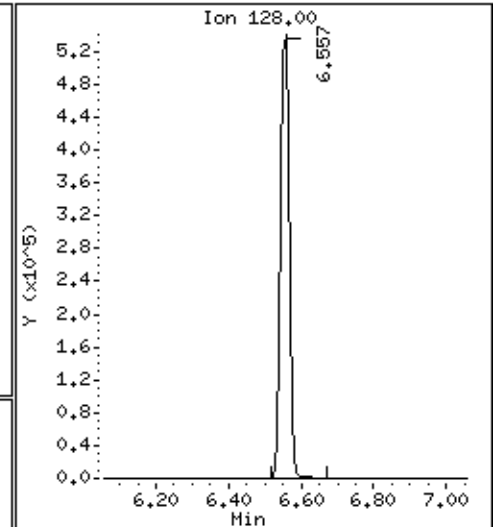
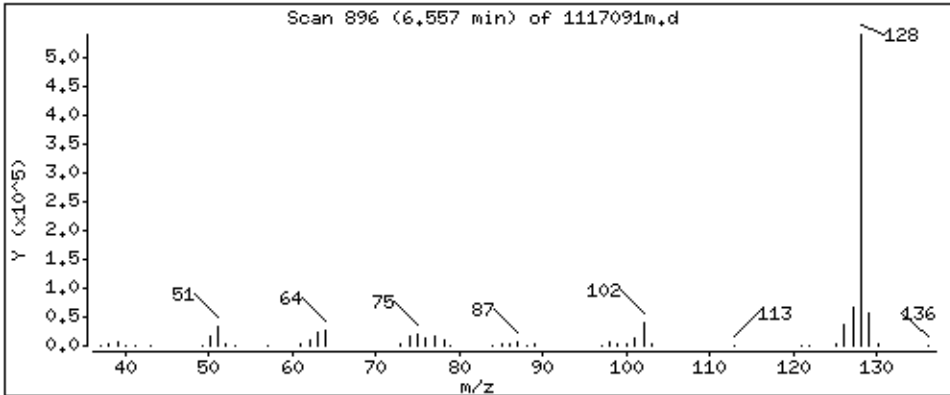
Operator: CEM

Column phase: .50um DB-5ms

Column diameter: 0,25

33 Naphthalene

Concentration: 2865 ug/Kg



Date : 27-JUN-2014 21:14

Client ID: THW-6(2-4)MS

Instrument: 50MSS3.i

Sample Info: 1117091

Volume Injected (uL): 1.0

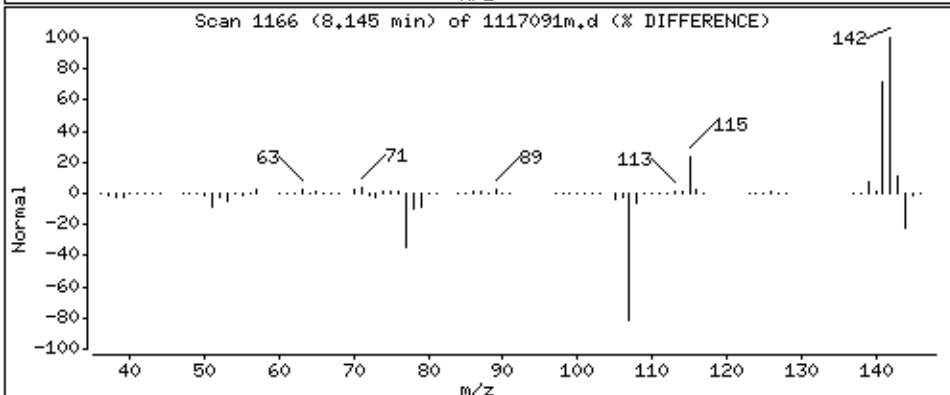
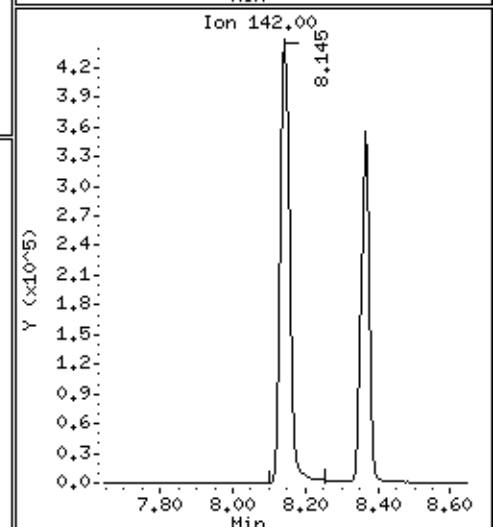
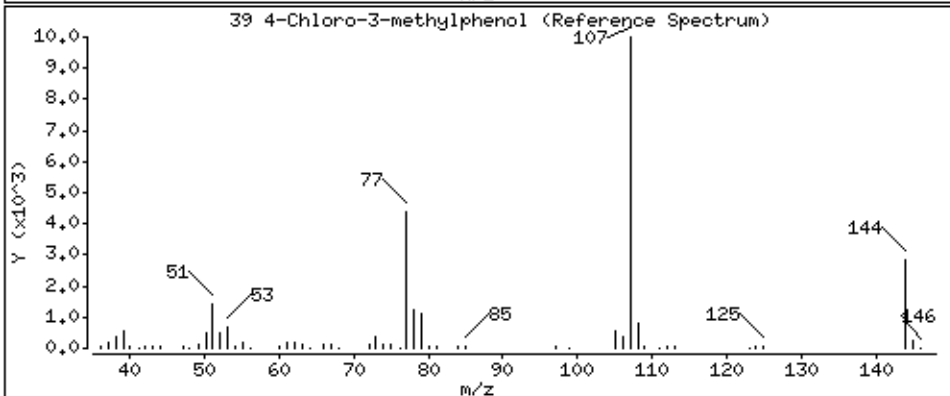
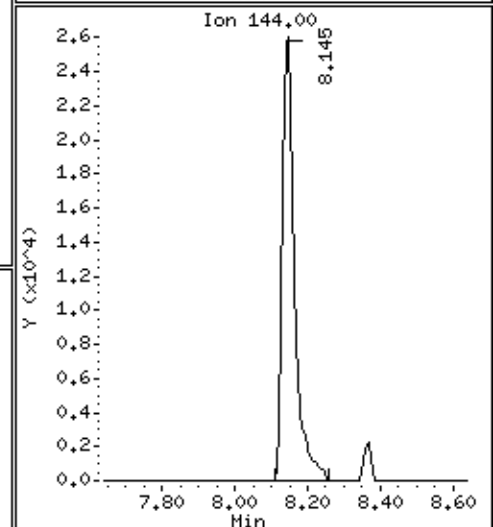
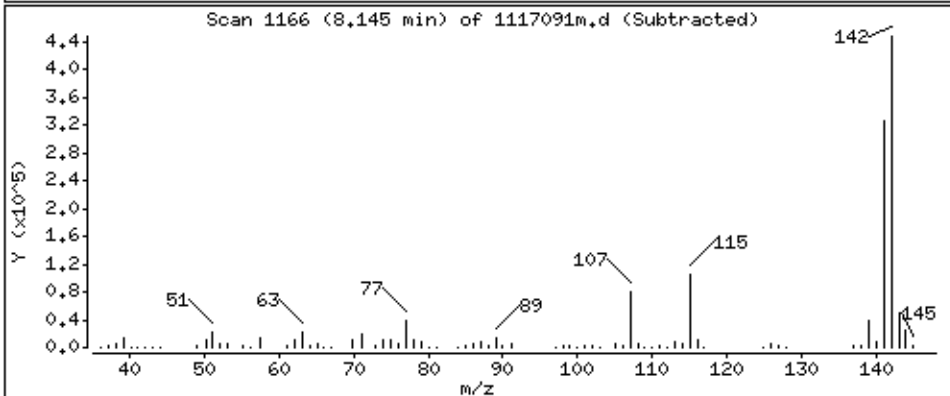
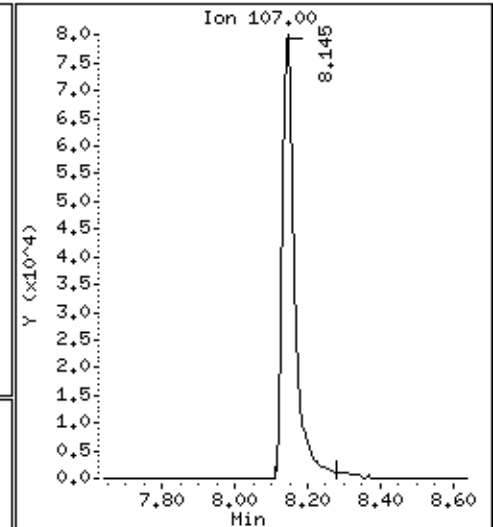
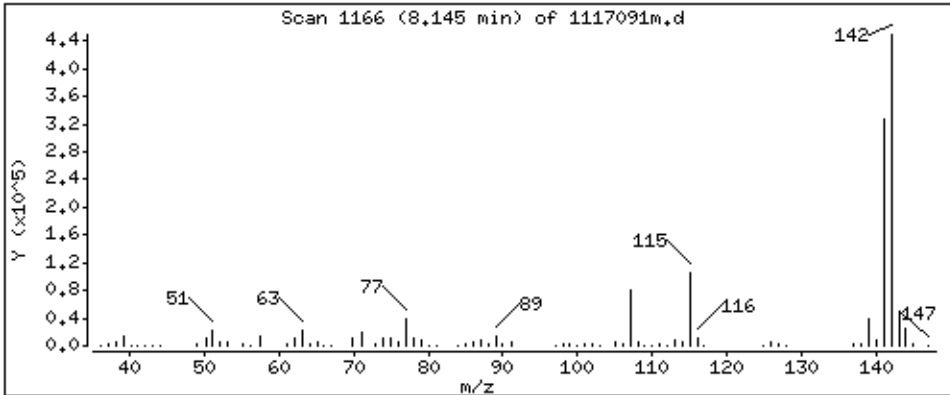
Operator: CEM

Column phase: .50um DB-5ms

Column diameter: 0,25

39 4-Chloro-3-methylphenol

Concentration: 2441 ug/Kg



Date : 27-JUN-2014 21:14

Client ID: THW-6(2-4)MS

Instrument: 50MSS3.i

Sample Info: 1117091

Volume Injected (uL): 1.0

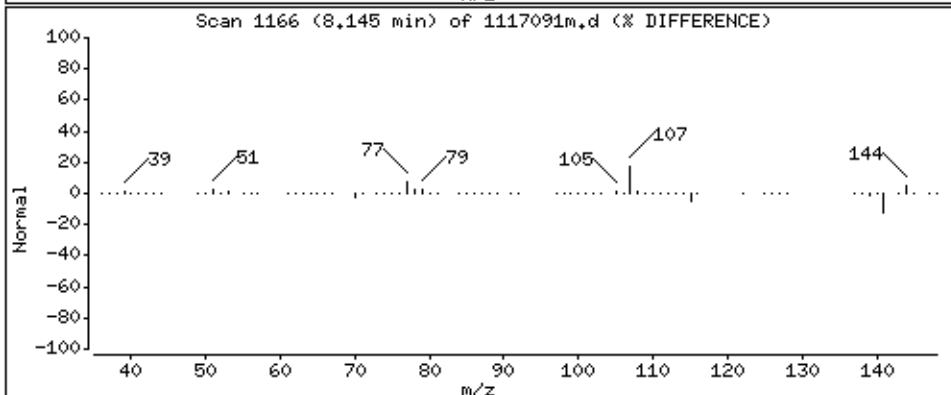
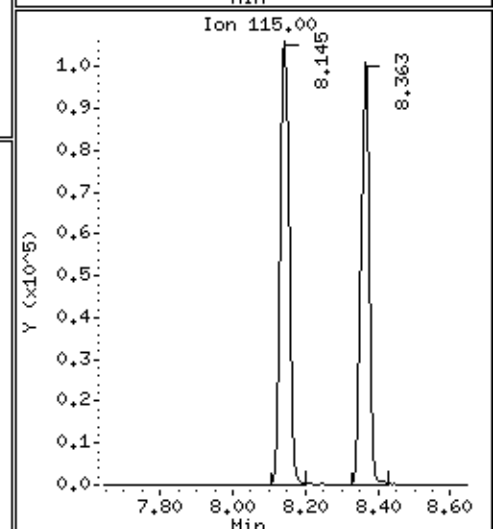
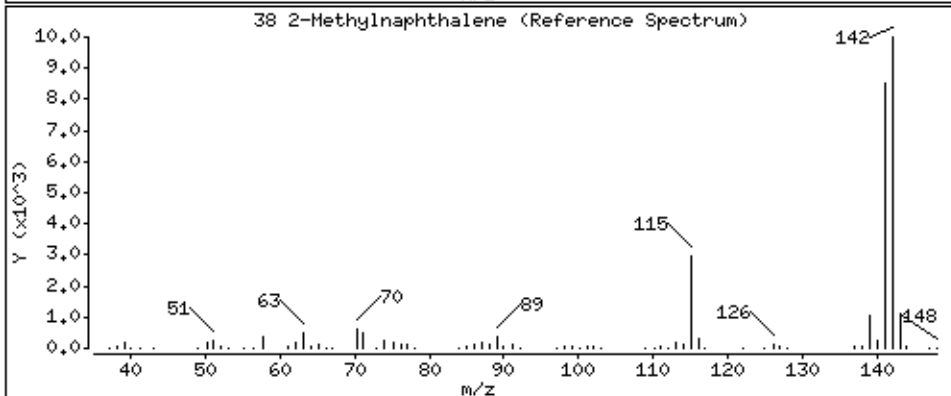
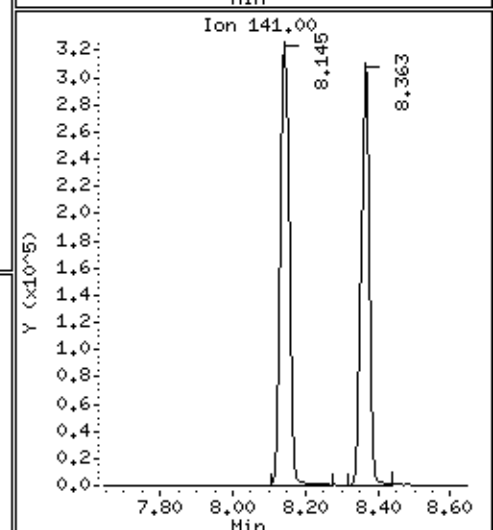
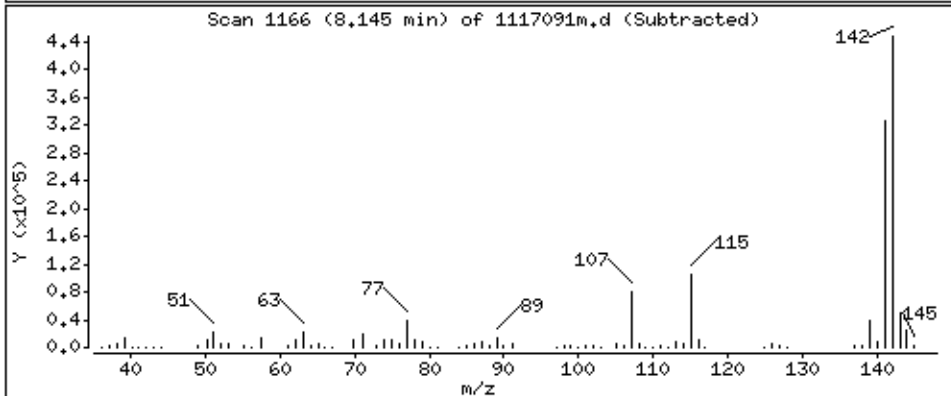
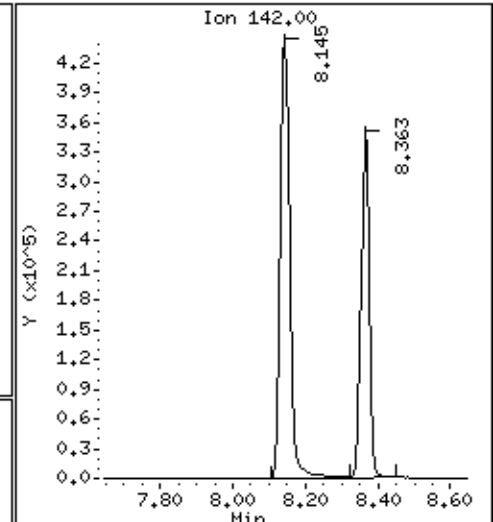
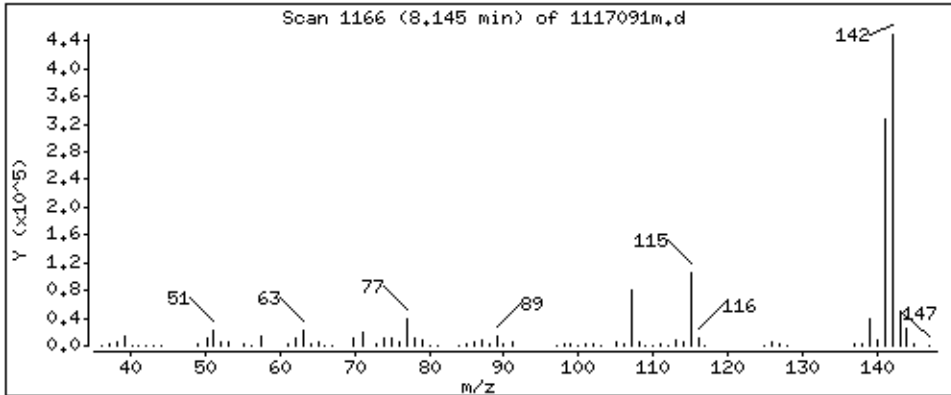
Operator: CEM

Column phase: .50um DB-5ms

Column diameter: 0,25

38 2-Methylnaphthalene

Concentration: 2835 ug/Kg



Date : 27-JUN-2014 21:14

Client ID: THW-6(2-4)MS

Instrument: 50MSS3.i

Sample Info: 1117091

Volume Injected (uL): 1.0

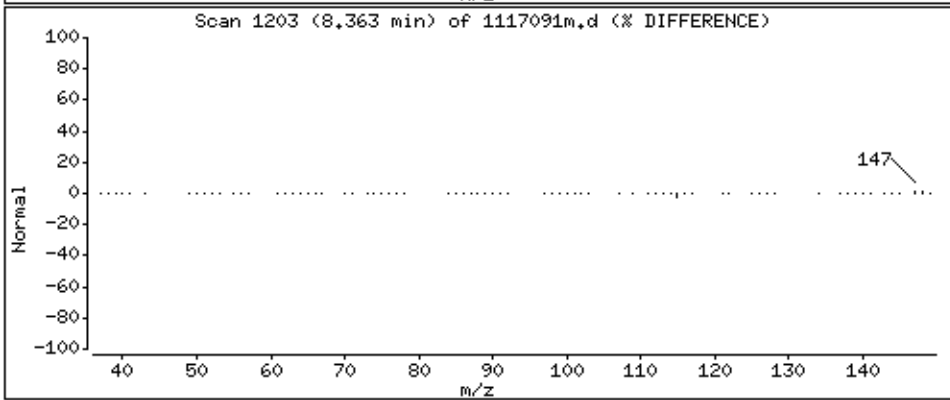
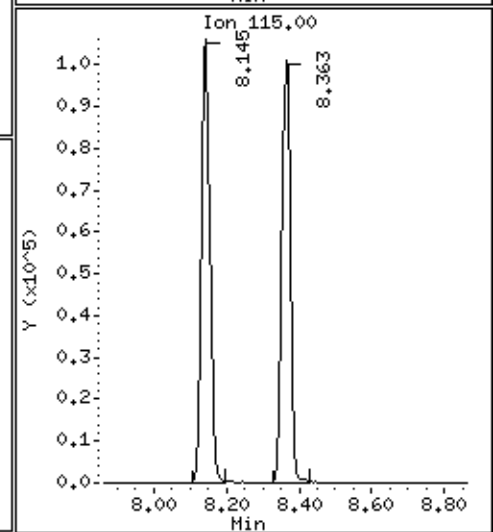
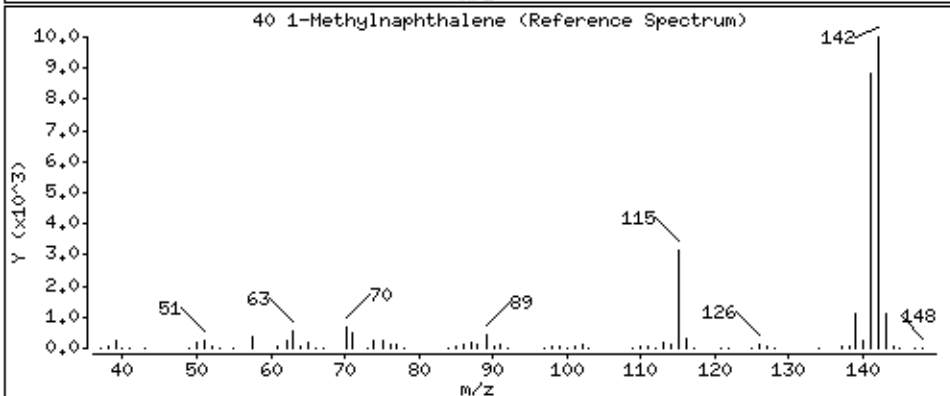
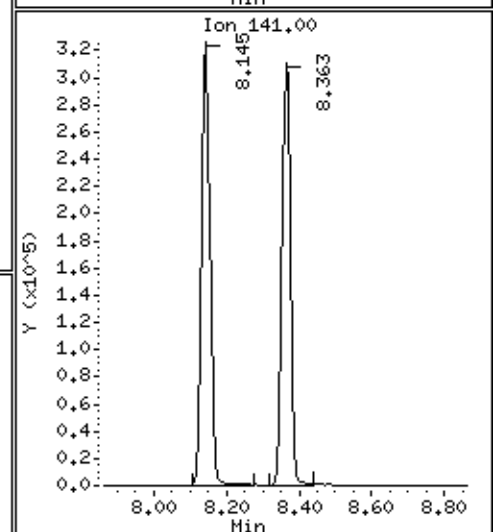
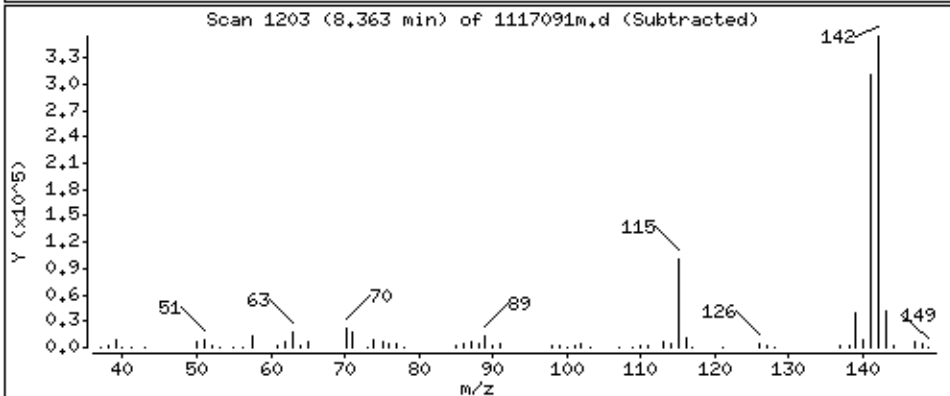
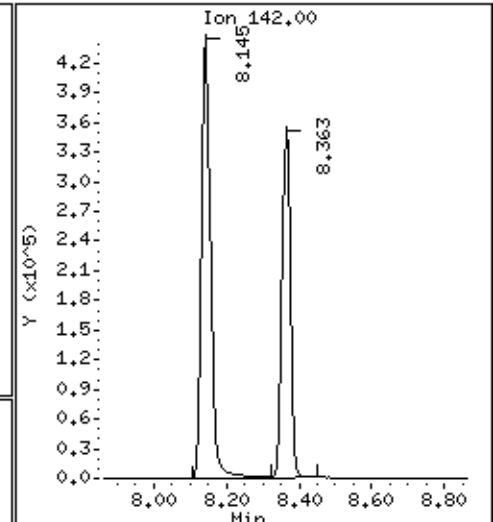
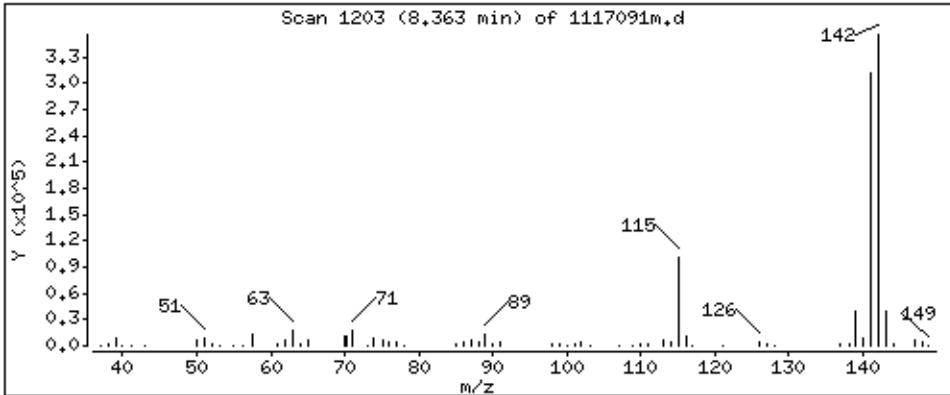
Operator: CEM

Column phase: .50um DB-5ms

Column diameter: 0,25

40 1-Methylnaphthalene

Concentration: 2658 ug/Kg



Date : 27-JUN-2014 21:14

Client ID: THW-6(2-4)MS

Instrument: 50MSS3.i

Sample Info: 1117091

Volume Injected (uL): 1.0

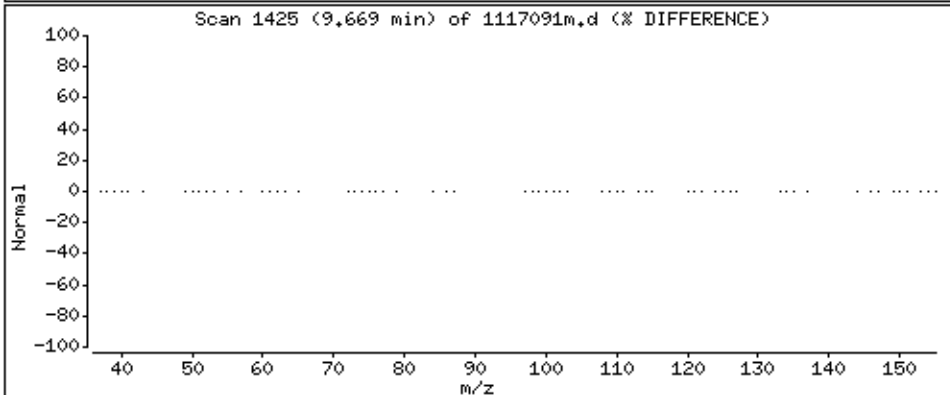
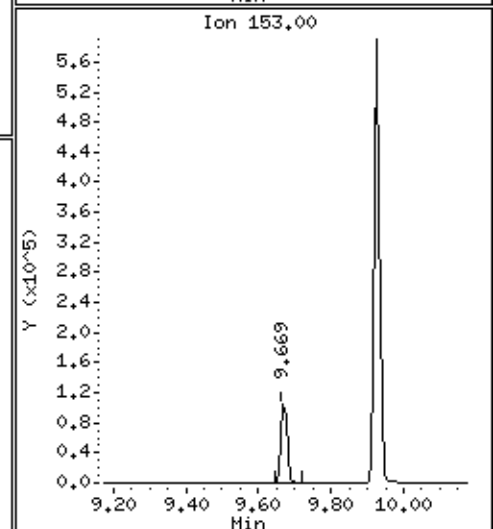
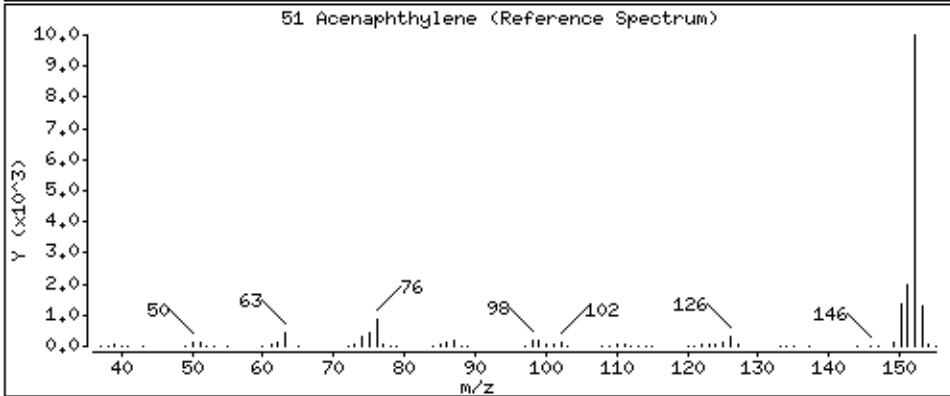
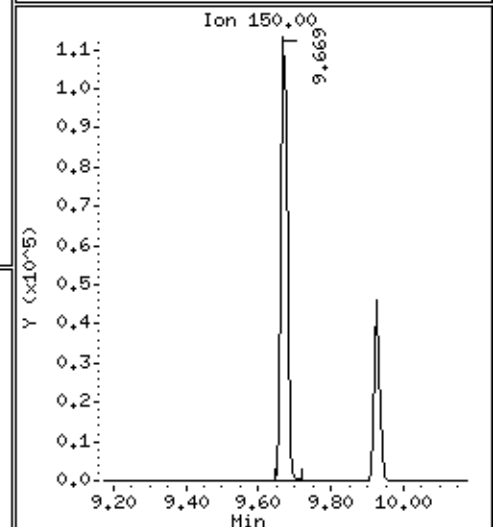
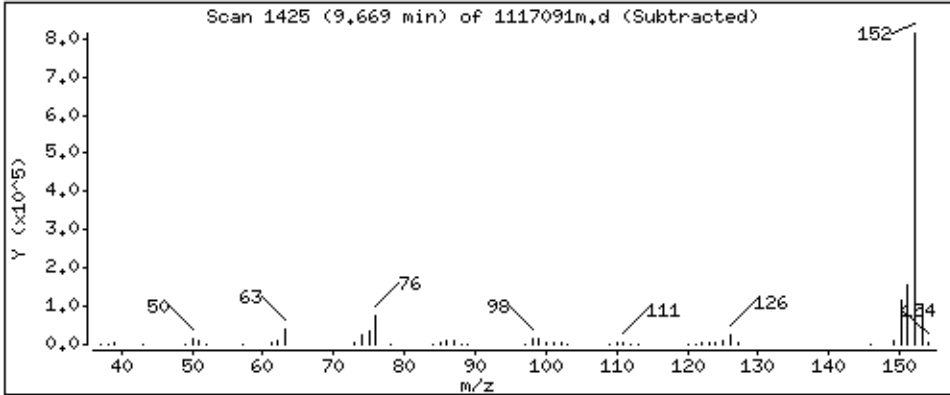
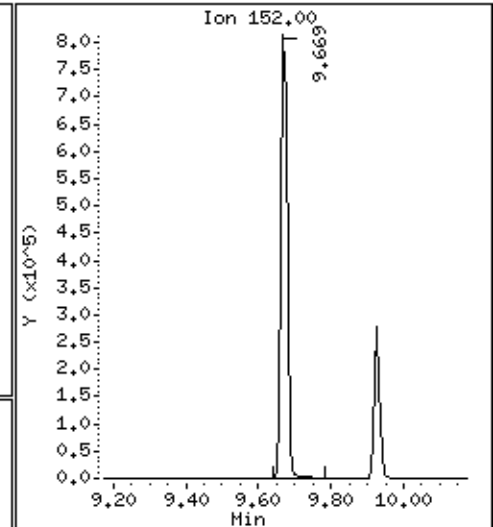
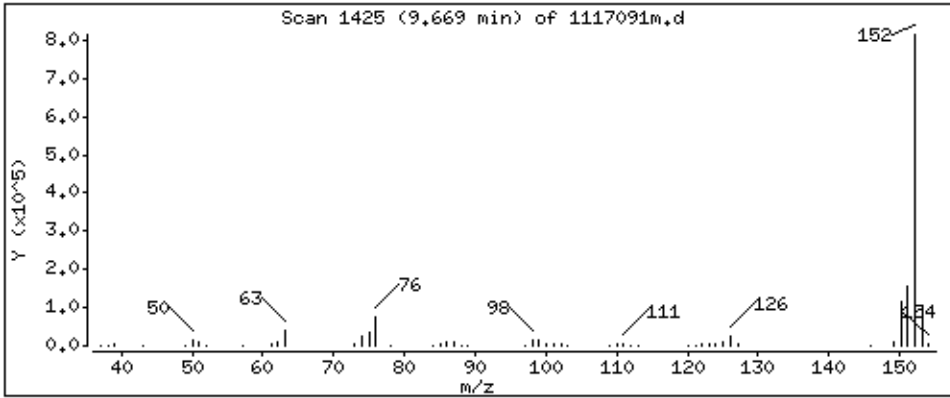
Operator: CEM

Column phase: .50um DB-5ms

Column diameter: 0,25

51 Acenaphthylene

Concentration: 2849 ug/Kg



Date : 27-JUN-2014 21:14

Client ID: THW-6(2-4)MS

Instrument: 50MSS3.i

Sample Info: 1117091

Volume Injected (uL): 1.0

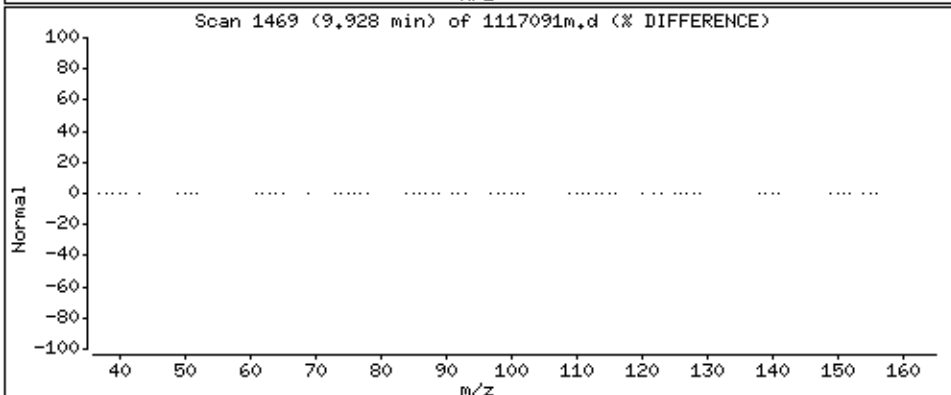
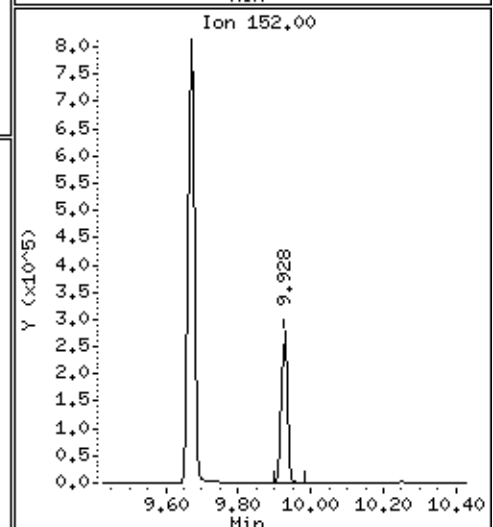
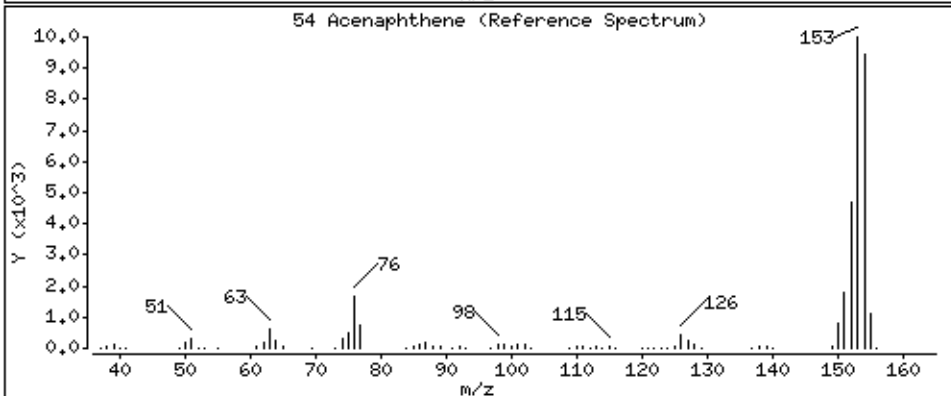
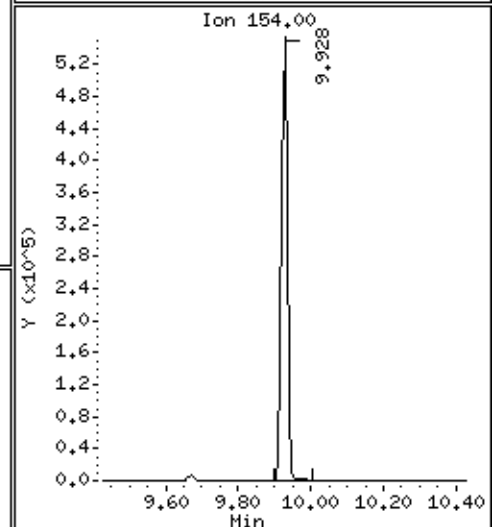
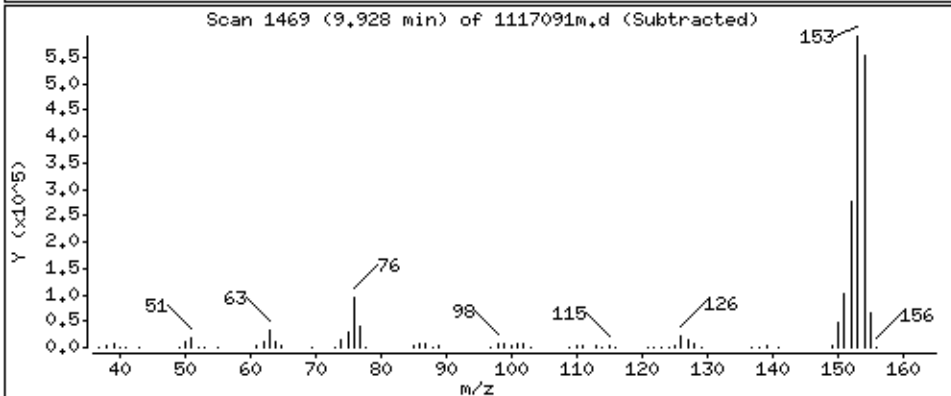
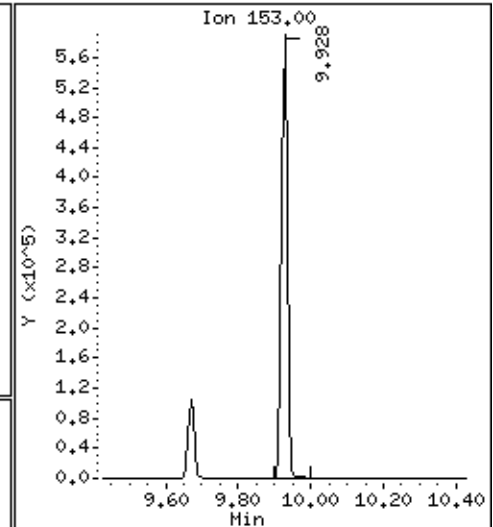
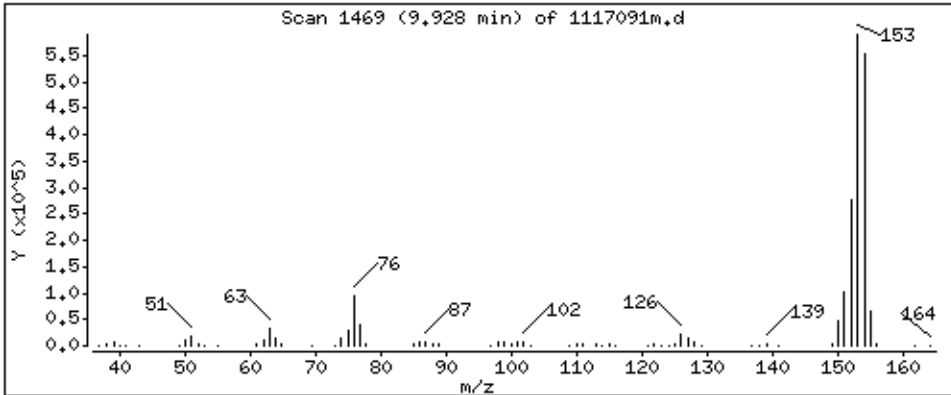
Operator: CEM

Column phase: .50um DB-5ms

Column diameter: 0,25

54 Acenaphthene

Concentration: 2980 ug/Kg



Date : 27-JUN-2014 21:14

Client ID: THW-6(2-4)MS

Instrument: 50MSS3.i

Sample Info: 1117091

Volume Injected (uL): 1.0

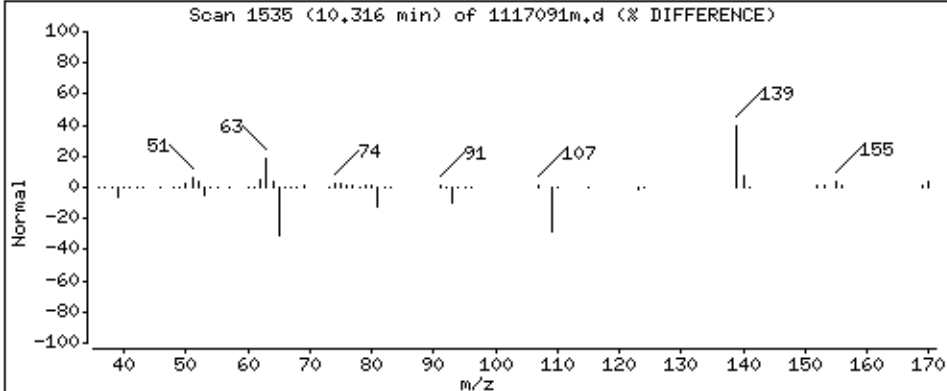
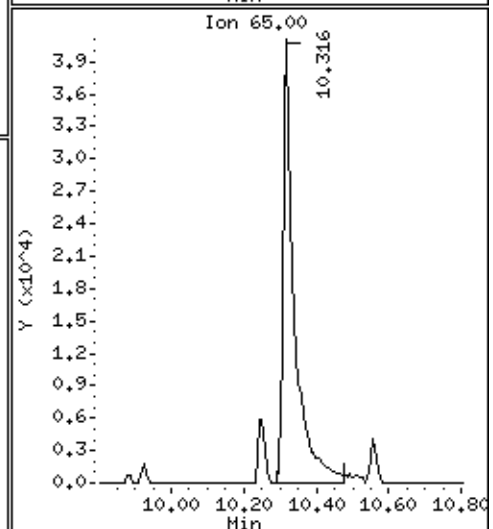
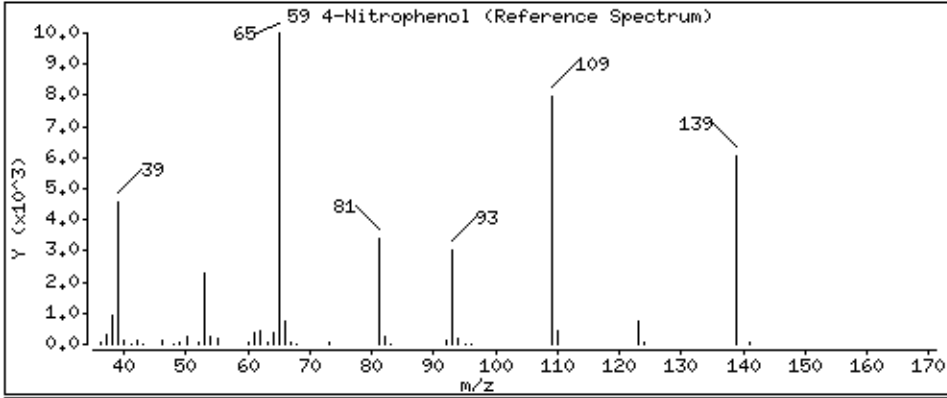
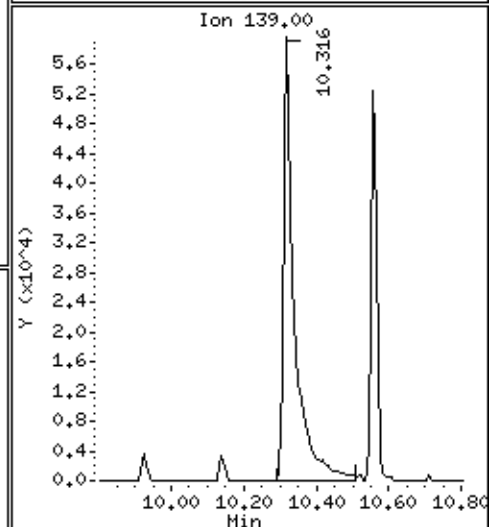
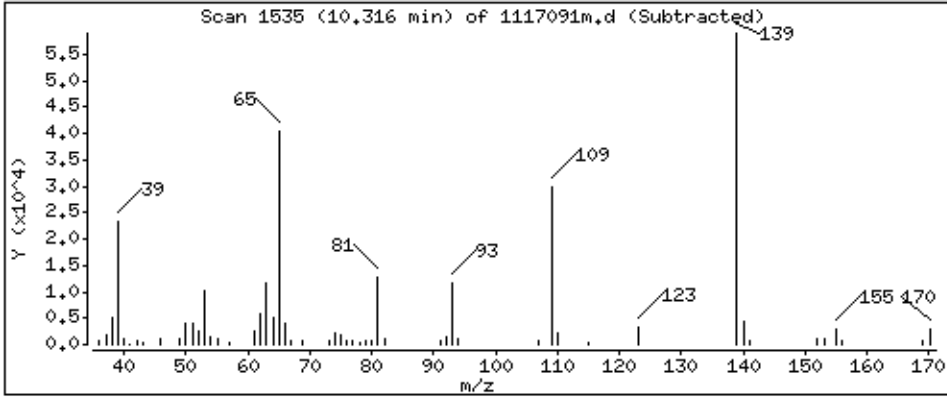
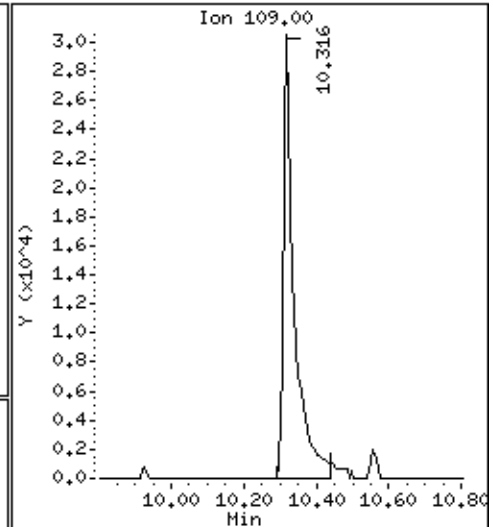
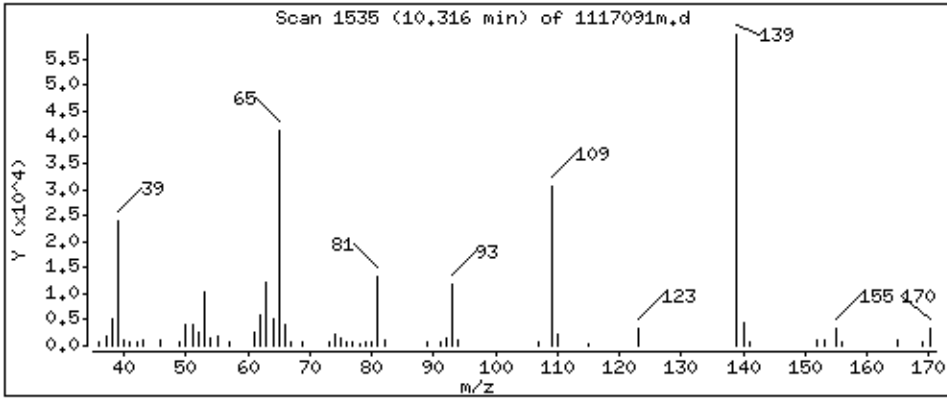
Operator: CEM

Column phase: .50um DB-5ms

Column diameter: 0,25

59 4-Nitrophenol

Concentration: 2791 ug/Kg



Date : 27-JUN-2014 21:14

Client ID: THW-6(2-4)MS

Instrument: 50MSS3.i

Sample Info: 1117091

Volume Injected (uL): 1.0

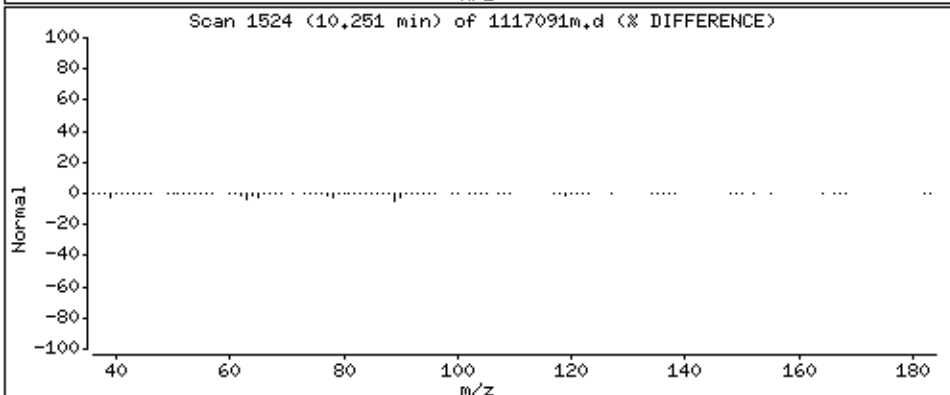
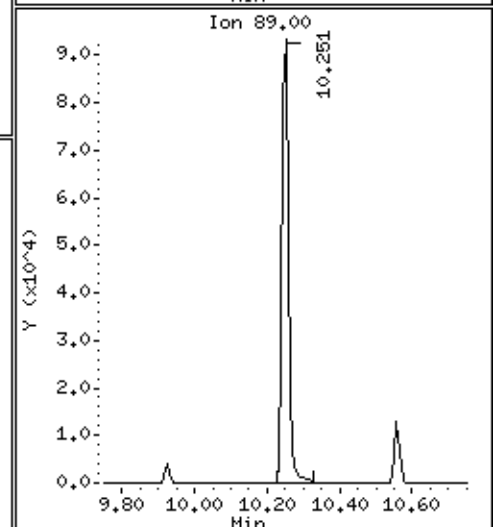
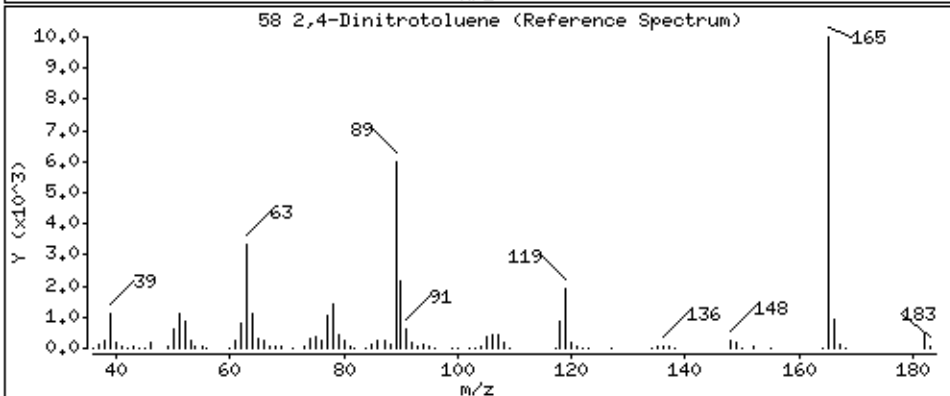
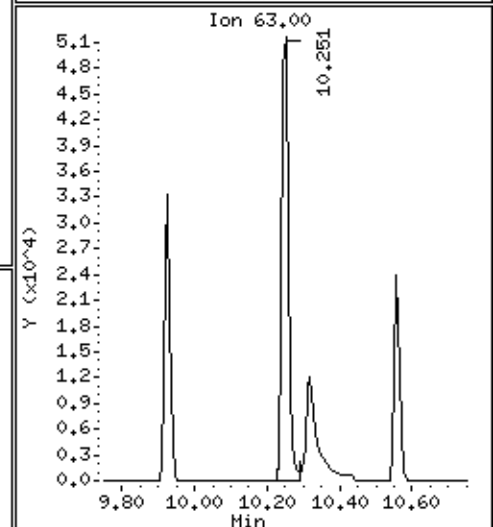
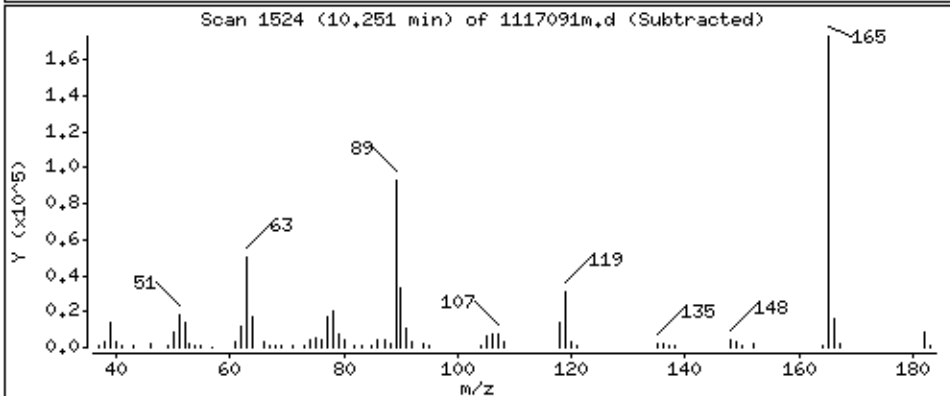
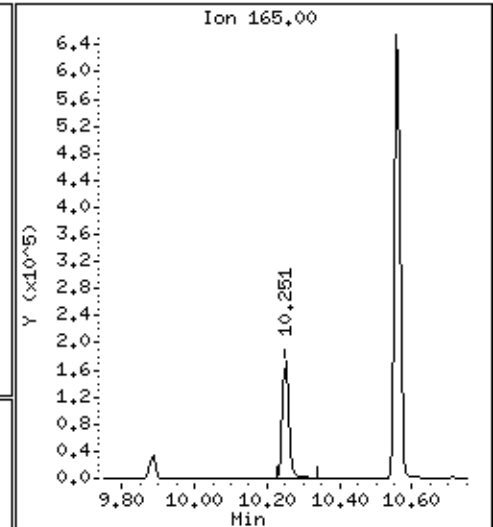
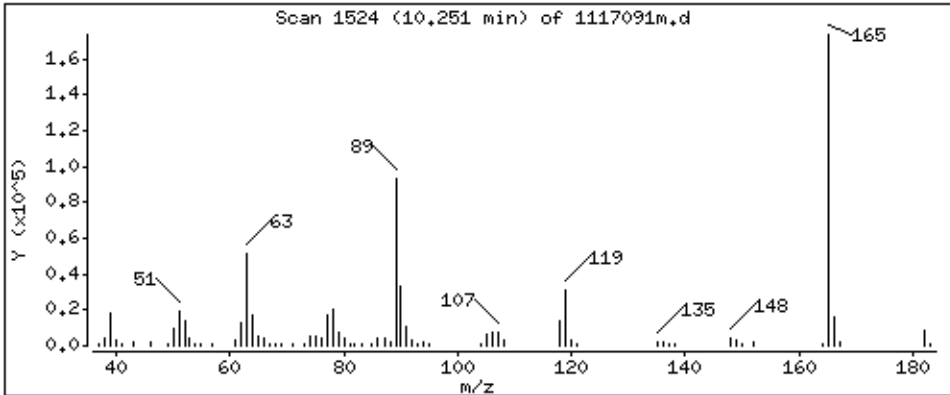
Operator: CEM

Column phase: .50um DB-5ms

Column diameter: 0,25

58 2,4-Dinitrotoluene

Concentration: 2896 ug/Kg



Date : 27-JUN-2014 21:14

Client ID: THW-6(2-4)MS

Instrument: 50MSS3.i

Sample Info: 1117091

Volume Injected (uL): 1.0

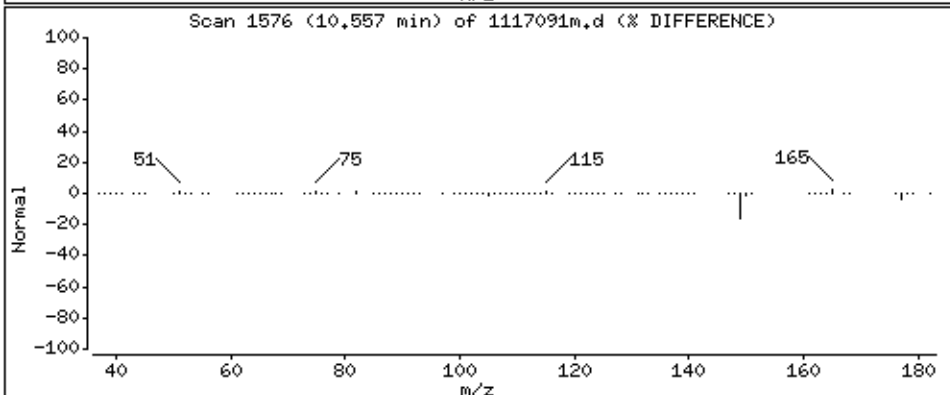
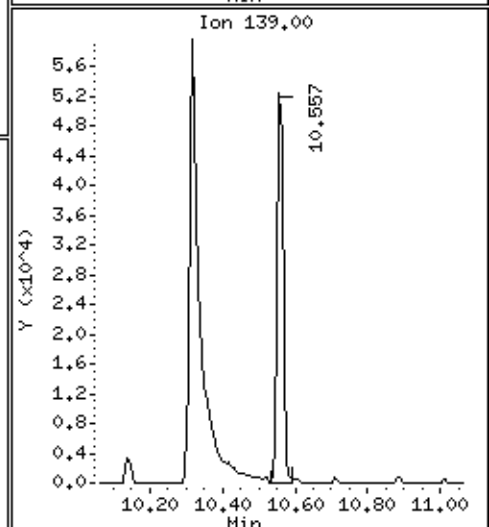
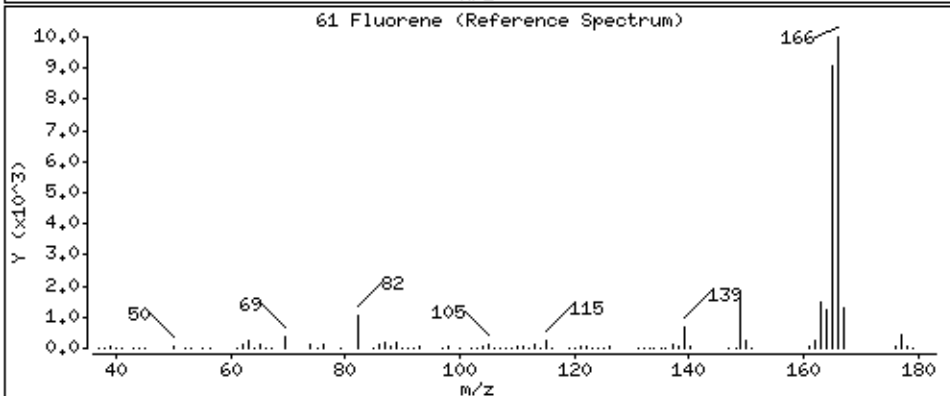
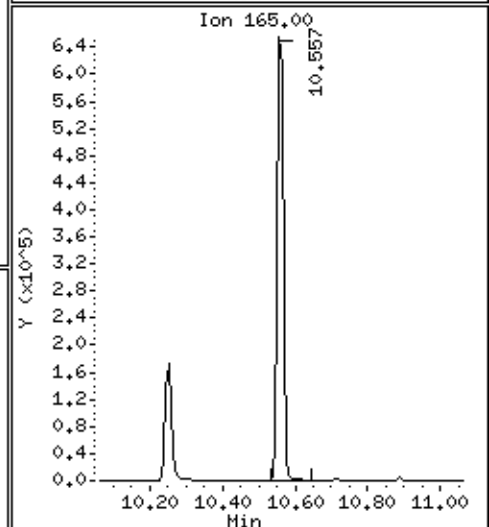
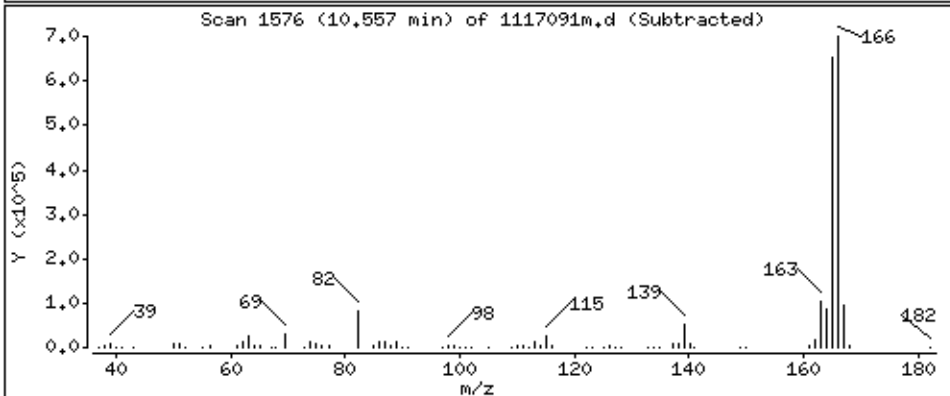
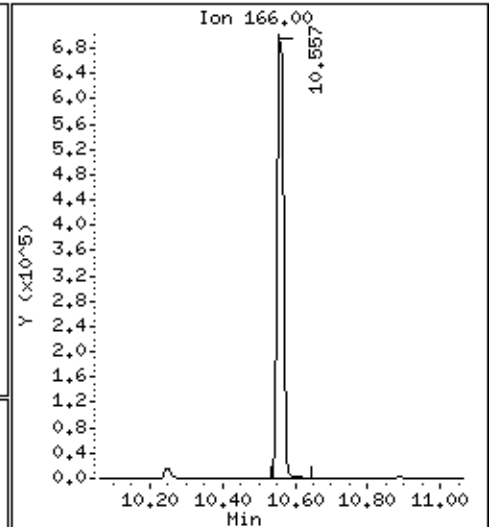
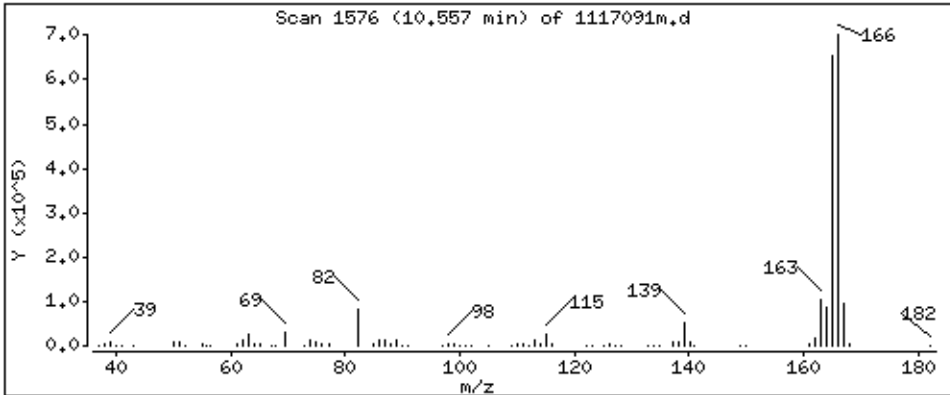
Operator: CEM

Column phase: .50um DB-5ms

Column diameter: 0,25

61 Fluorene

Concentration: 3264 ug/Kg



Date : 27-JUN-2014 21:14

Client ID: THW-6(2-4)MS

Instrument: 50MSS3.i

Sample Info: 1117091

Volume Injected (uL): 1.0

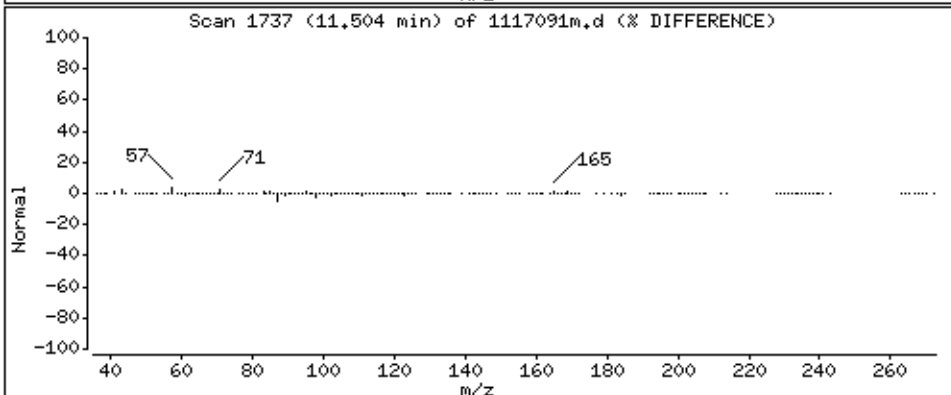
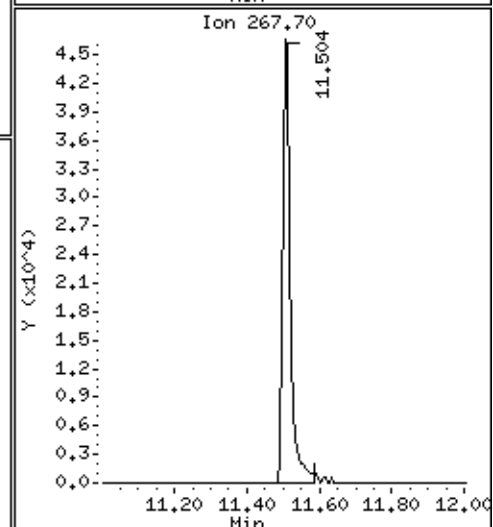
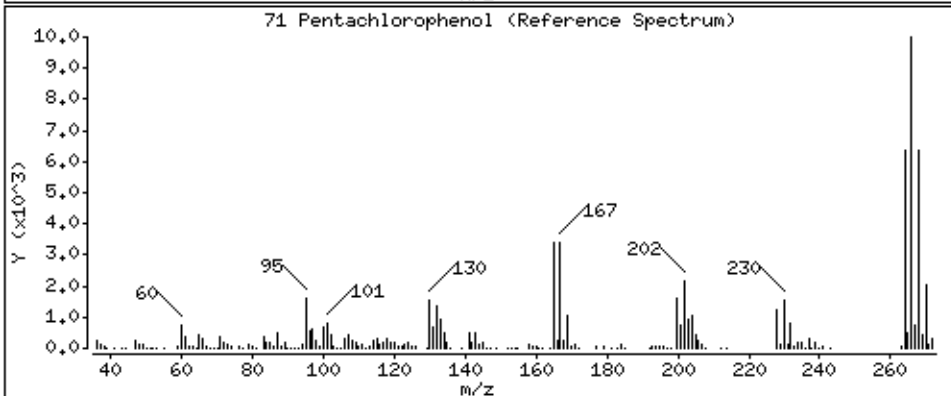
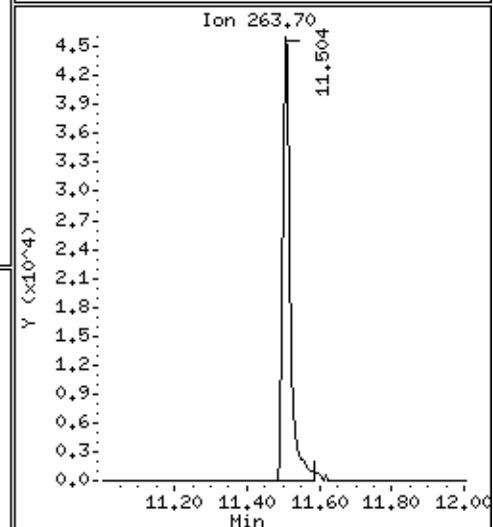
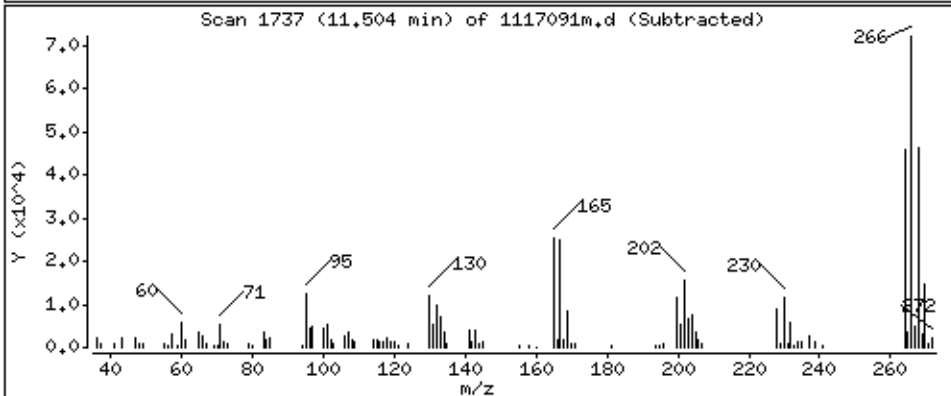
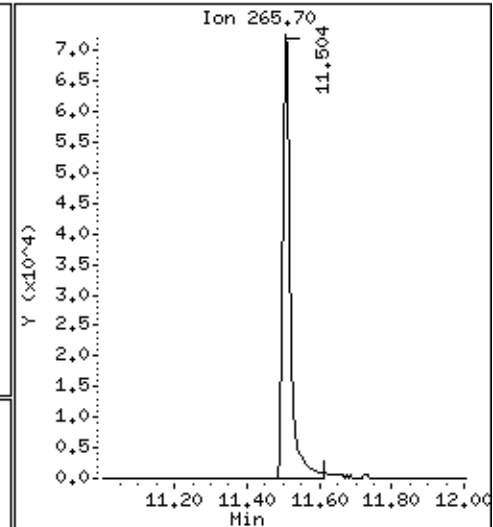
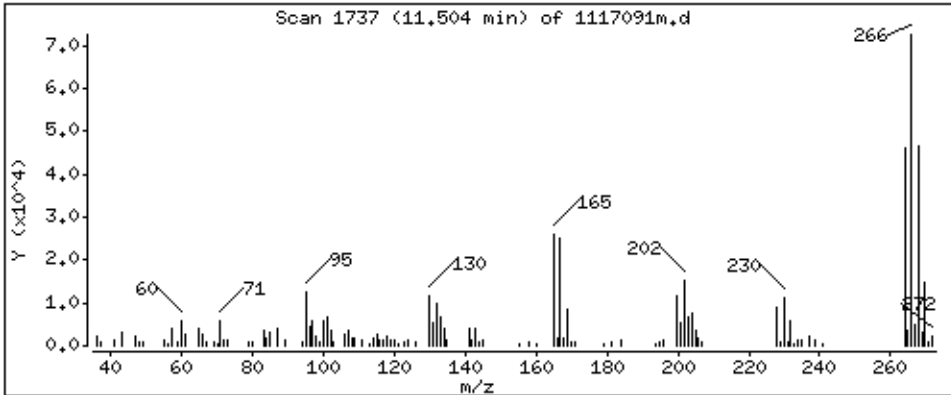
Operator: CEM

Column phase: .50um DB-5ms

Column diameter: 0,25

71 Pentachlorophenol

Concentration: 1953 ug/Kg



Date : 27-JUN-2014 21:14

Client ID: THW-6(2-4)MS

Instrument: 50MSS3.i

Sample Info: 1117091

Volume Injected (uL): 1.0

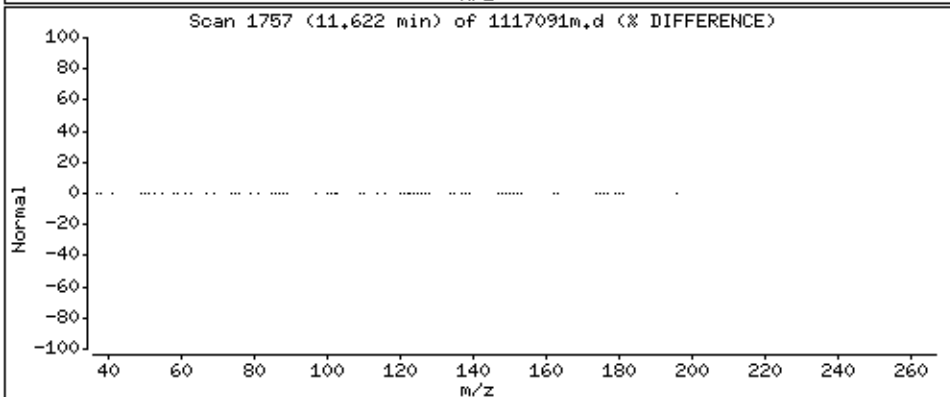
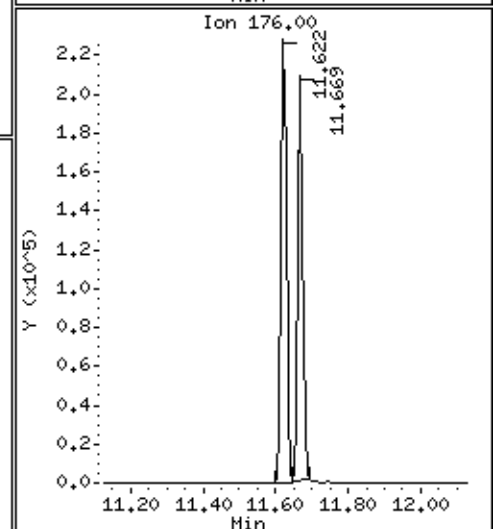
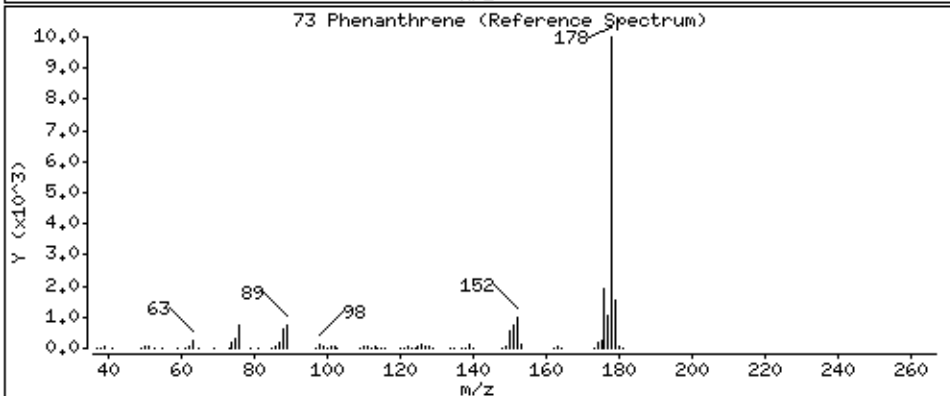
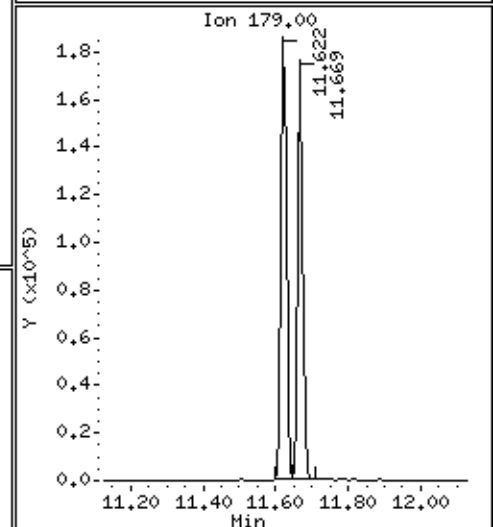
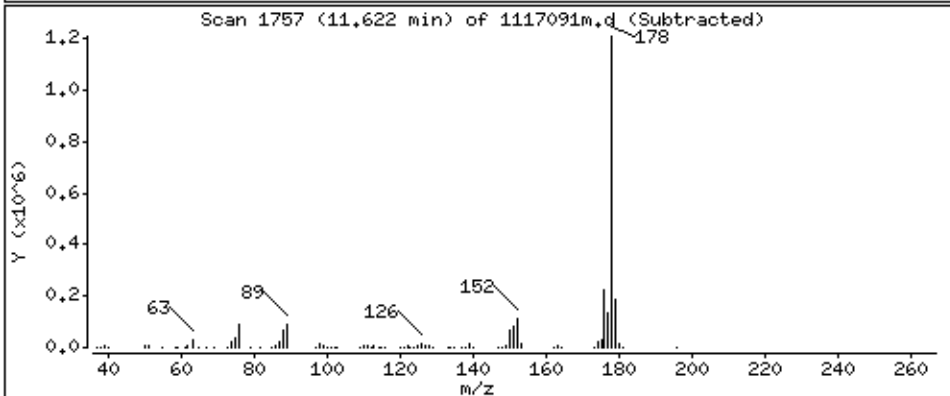
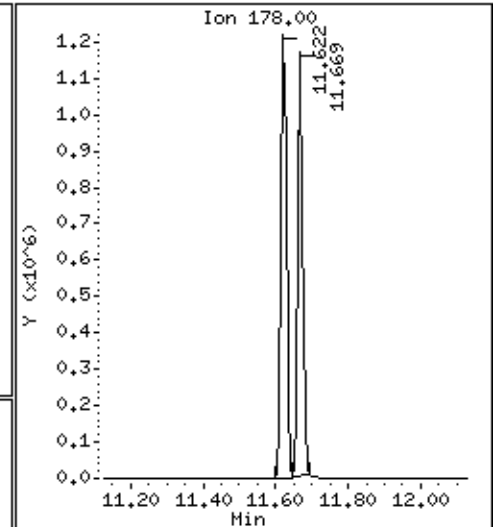
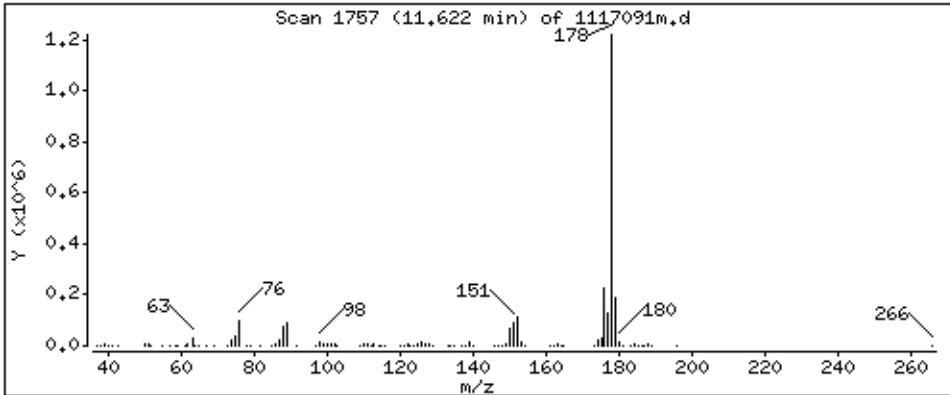
Operator: CEM

Column phase: .50um DB-5ms

Column diameter: 0,25

73 Phenanthrene

Concentration: 3133 ug/Kg



Date : 27-JUN-2014 21:14

Client ID: THW-6(2-4)MS

Instrument: 50MSS3.i

Sample Info: 1117091

Volume Injected (uL): 1.0

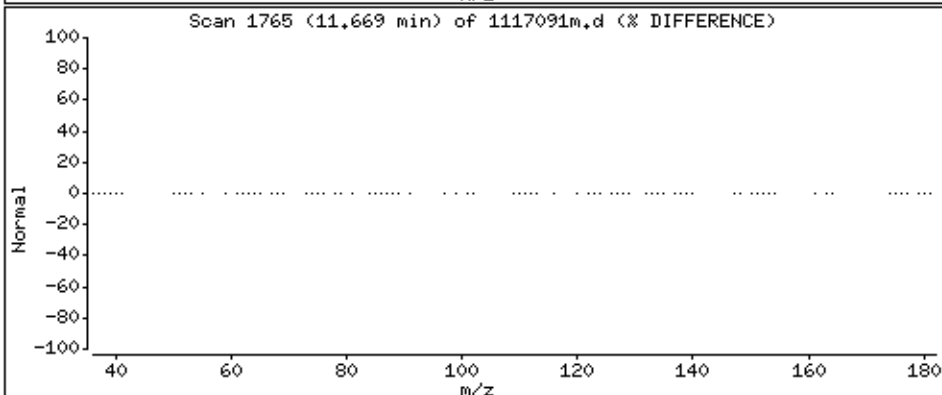
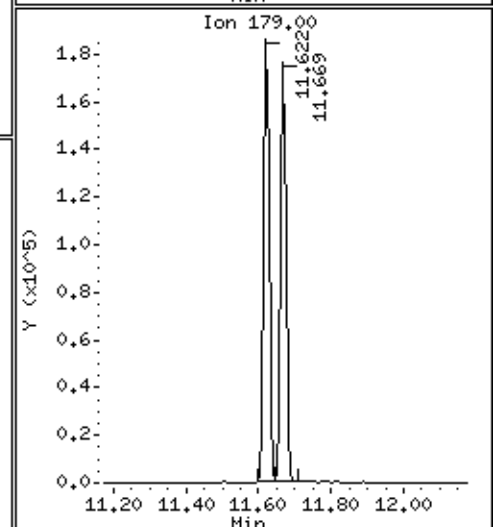
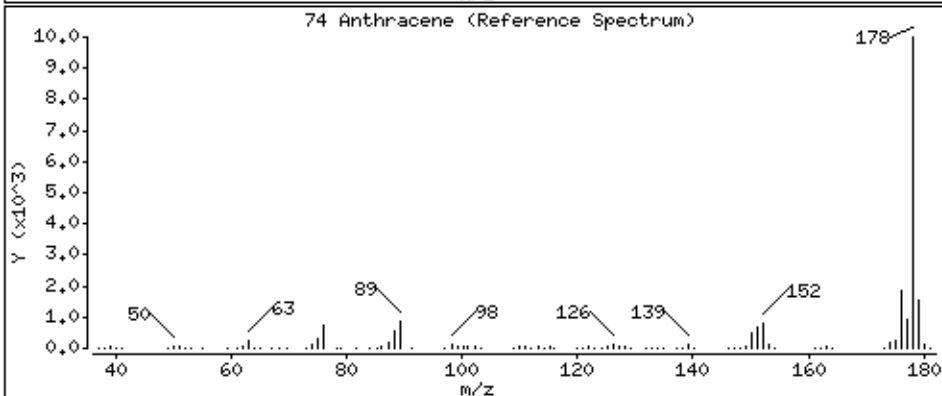
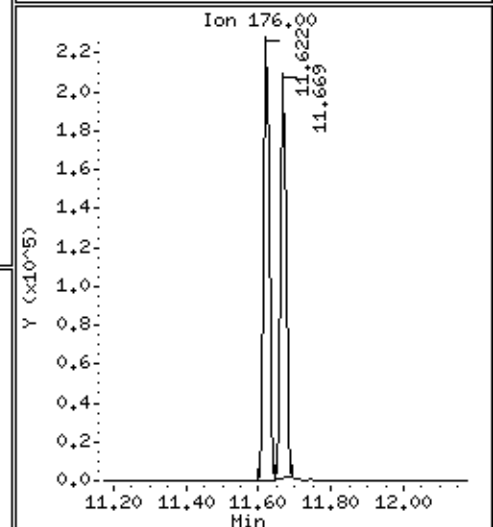
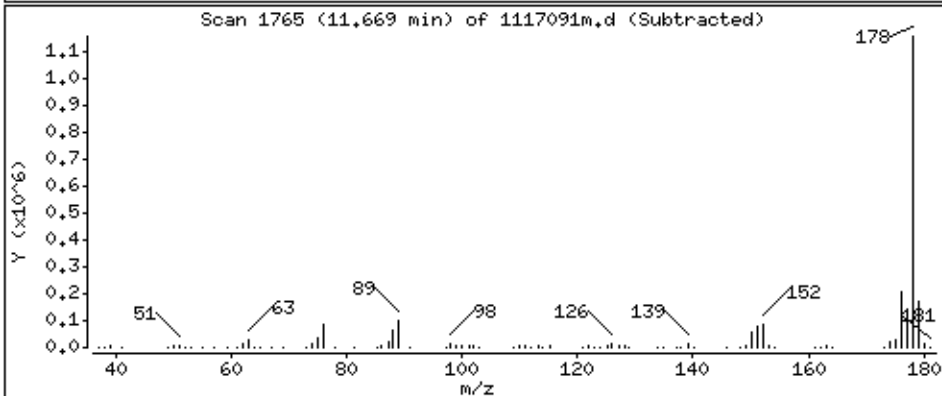
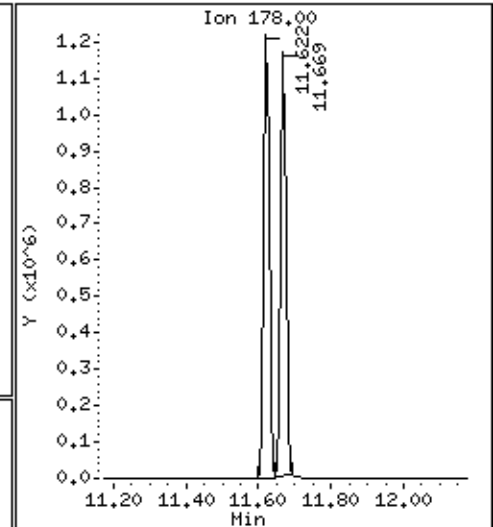
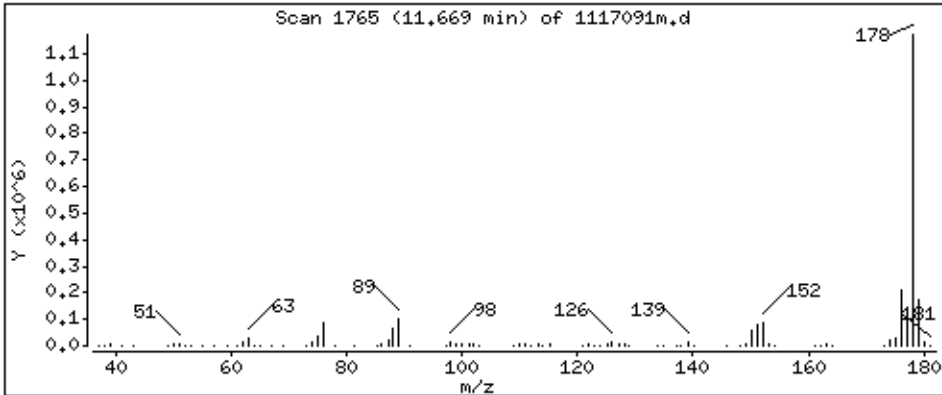
Operator: CEM

Column phase: .50um DB-5ms

Column diameter: 0,25

74 Anthracene

Concentration: 2880 ug/Kg



Date : 27-JUN-2014 21:14

Client ID: THW-6(2-4)MS

Instrument: 50MSS3.i

Sample Info: 1117091

Volume Injected (uL): 1.0

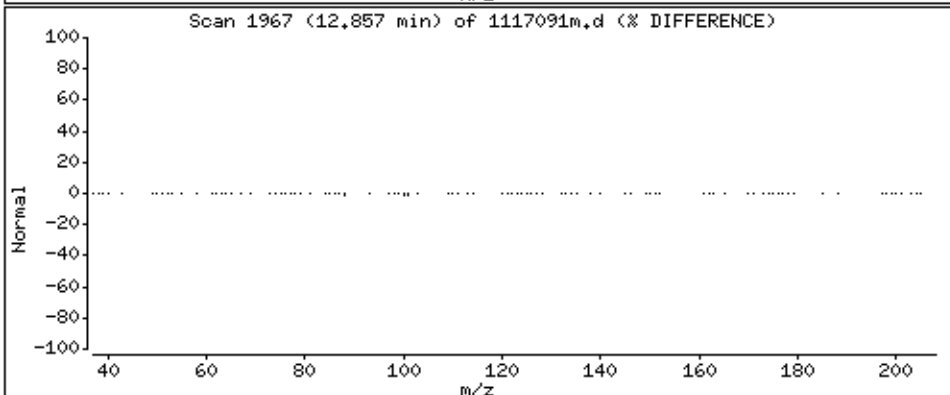
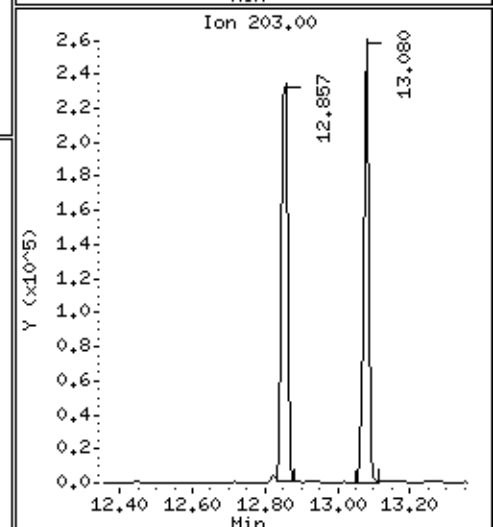
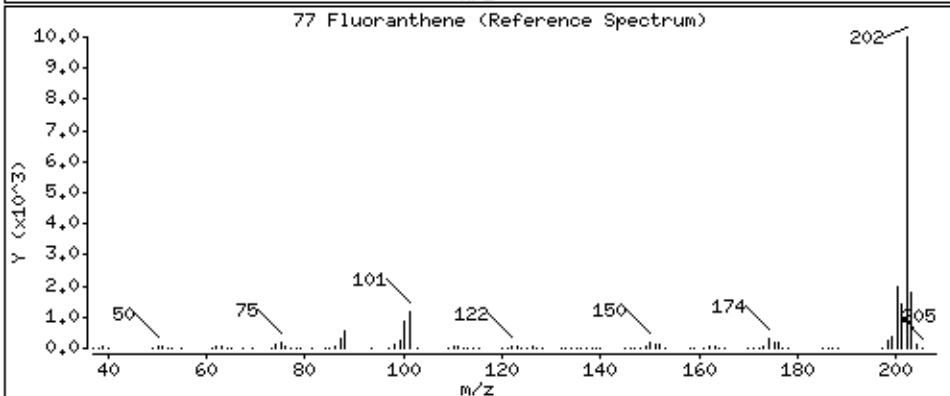
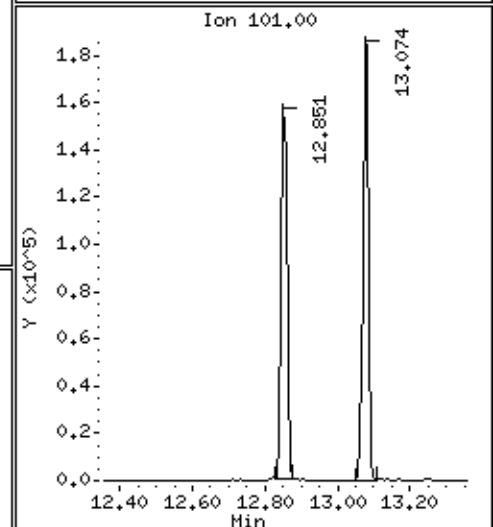
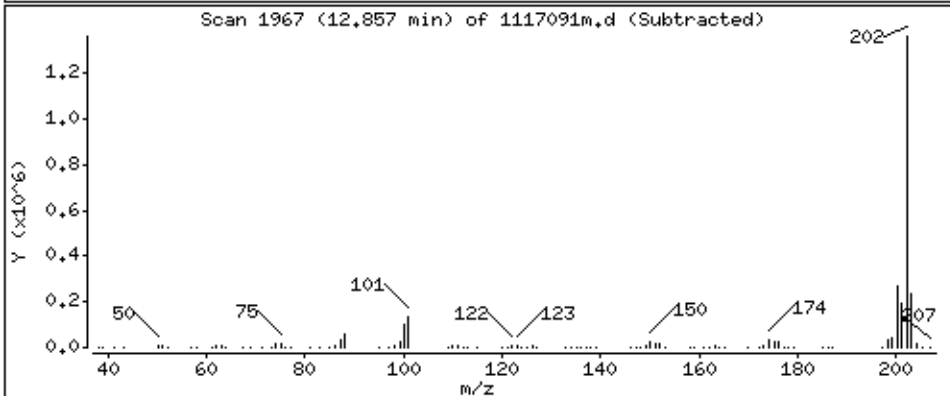
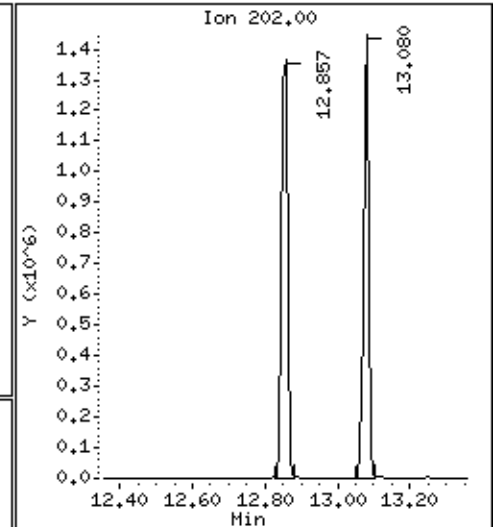
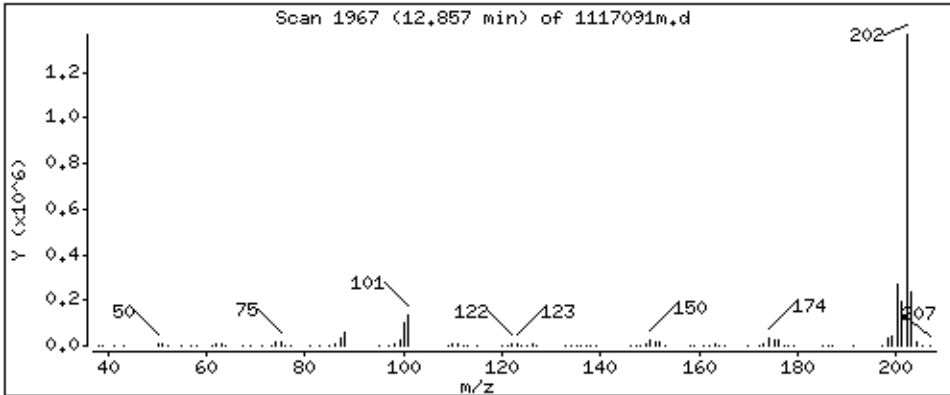
Operator: CEM

Column phase: .50um DB-5ms

Column diameter: 0,25

77 Fluoranthene

Concentration: 3431 ug/Kg



Date : 27-JUN-2014 21:14

Client ID: THW-6(2-4)MS

Instrument: 50MSS3.i

Sample Info: 1117091

Volume Injected (uL): 1.0

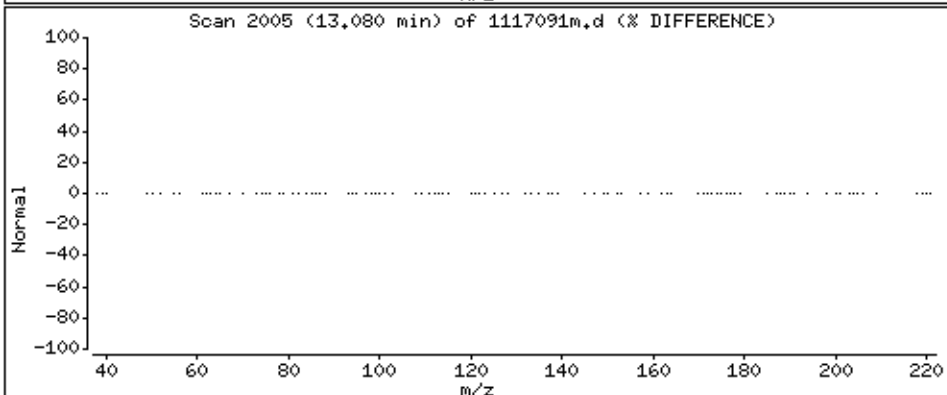
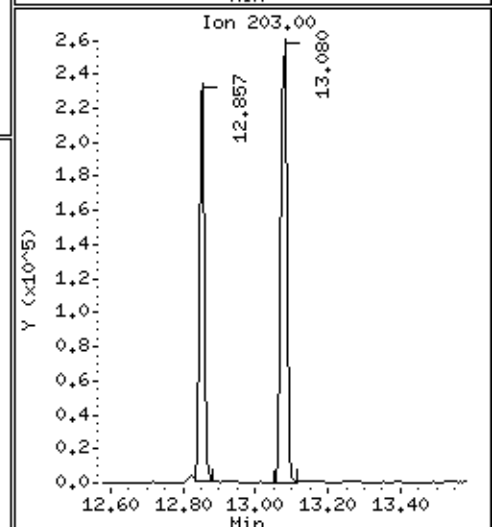
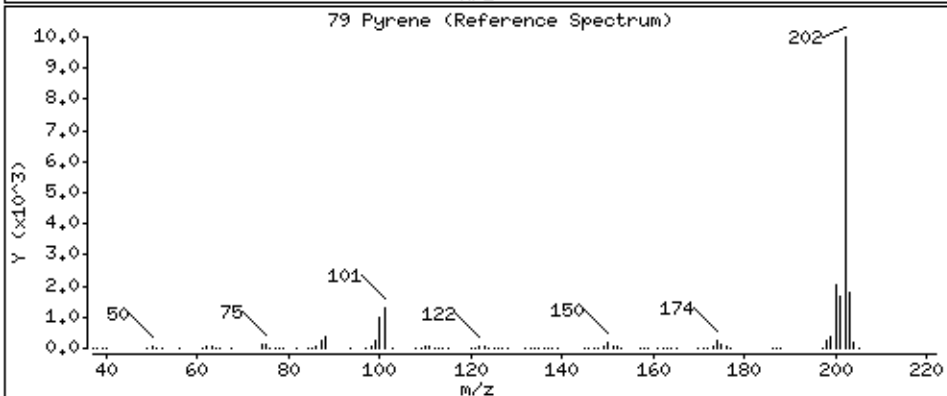
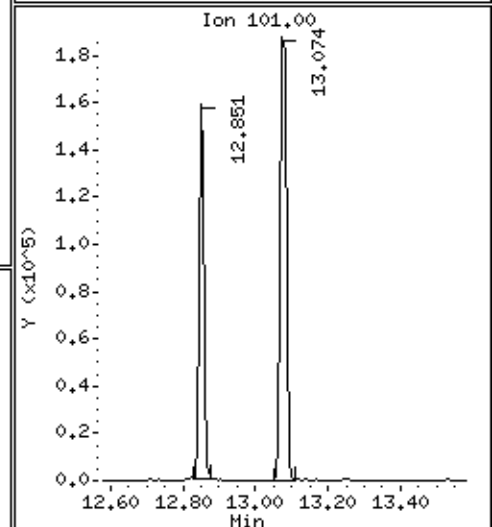
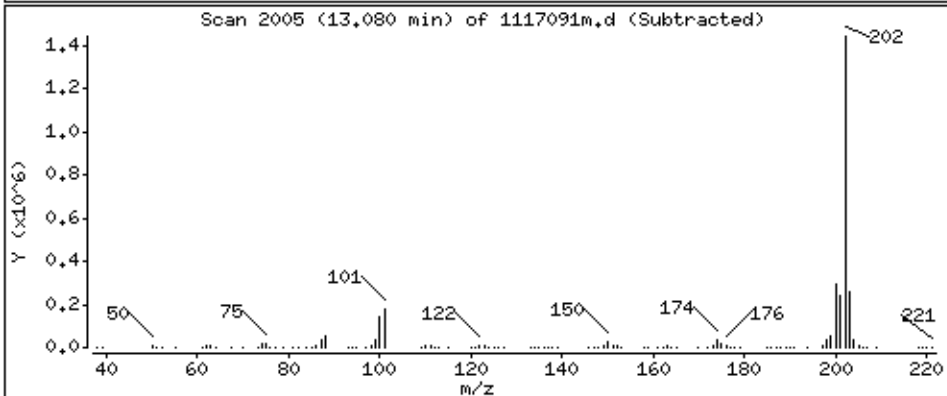
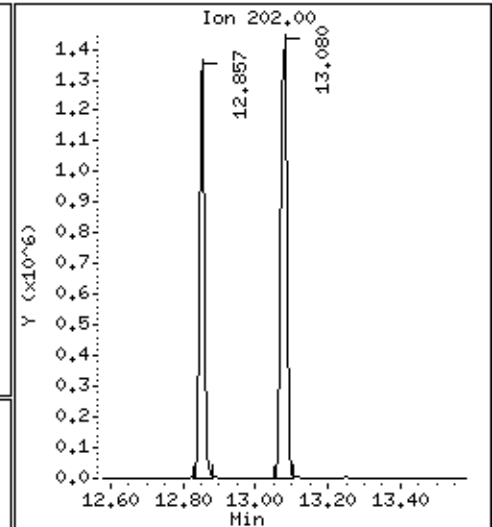
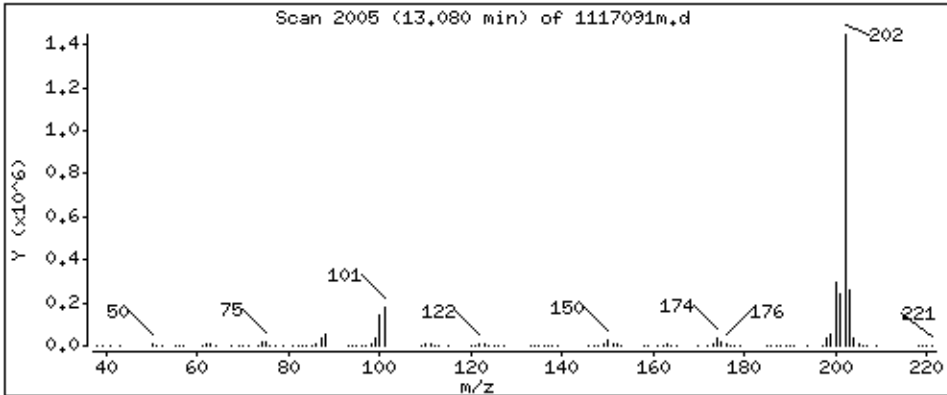
Operator: CEM

Column phase: .50um DB-5ms

Column diameter: 0,25

79 Pyrene

Concentration: 3416 ug/Kg



Date : 27-JUN-2014 21:14

Client ID: THW-6(2-4)MS

Instrument: 50MSS3.i

Sample Info: 1117091

Volume Injected (uL): 1.0

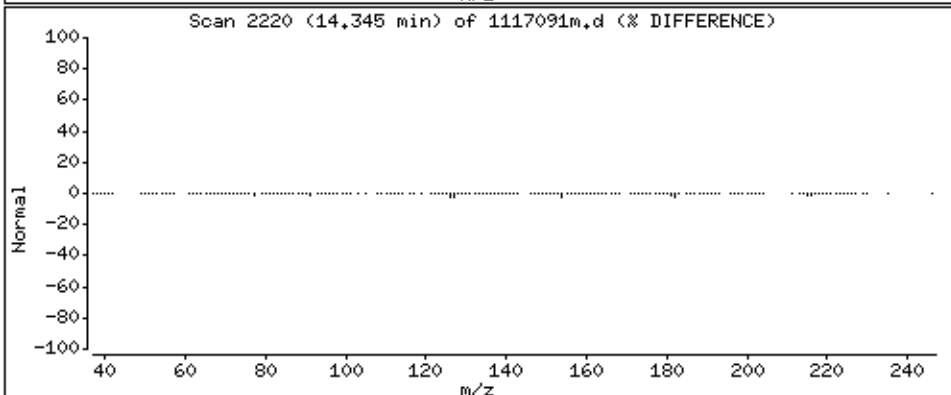
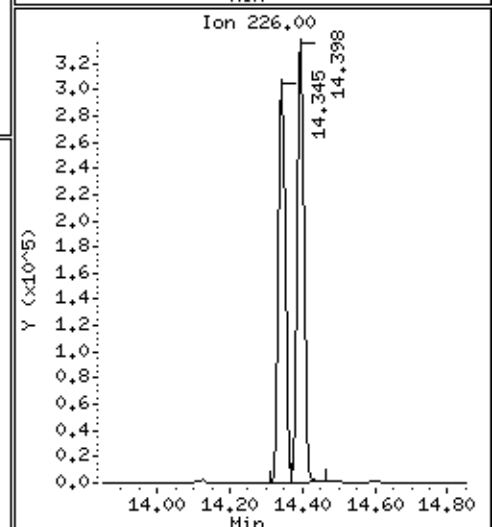
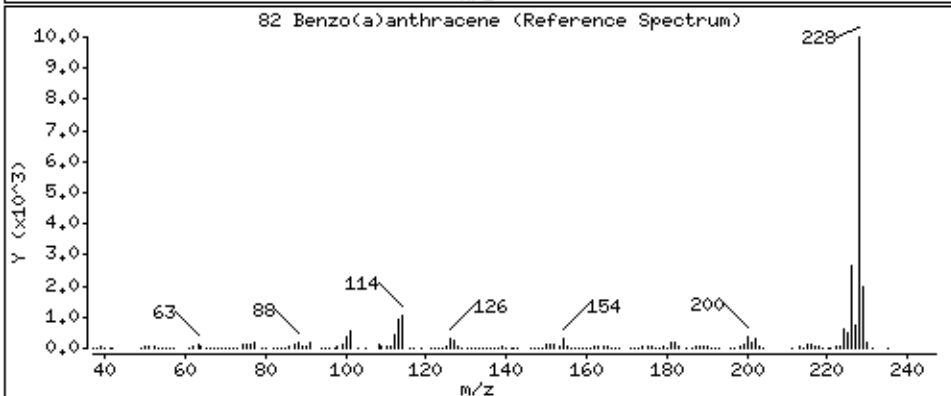
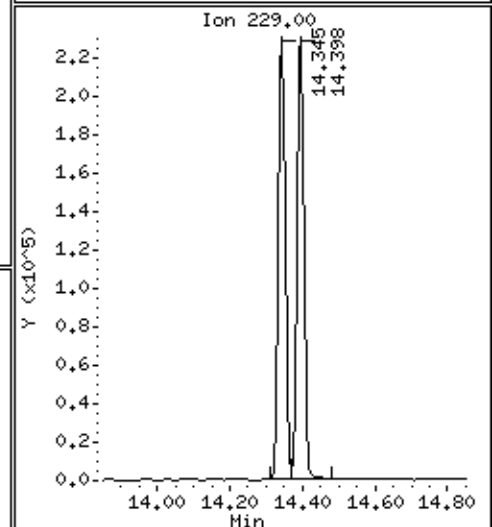
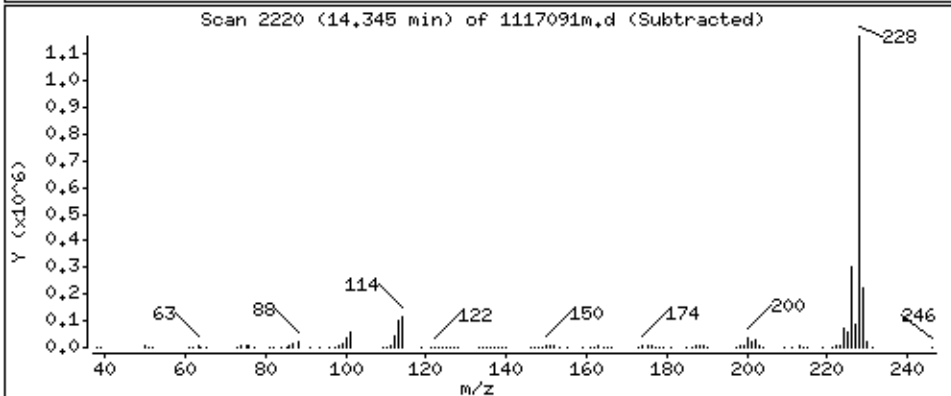
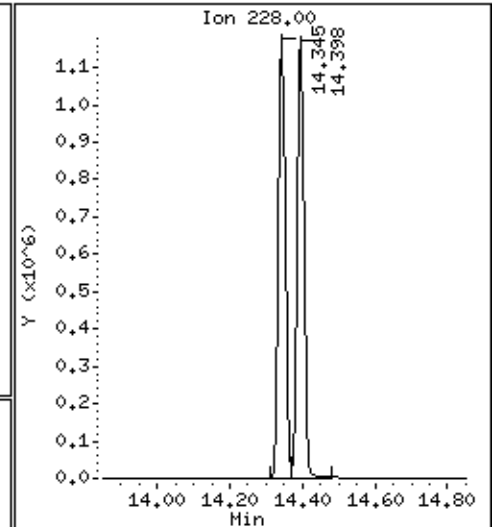
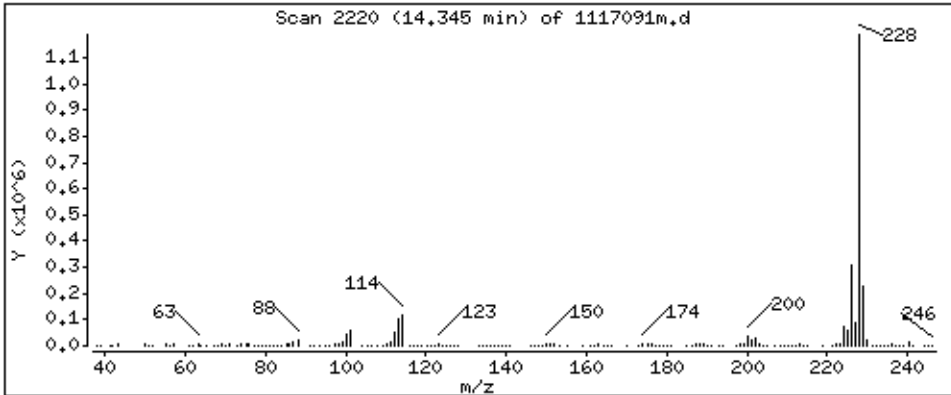
Operator: CEM

Column phase: .50um DB-5ms

Column diameter: 0,25

82 Benzo(a)anthracene

Concentration: 2799 ug/Kg



Date : 27-JUN-2014 21:14

Client ID: THW-6(2-4)MS

Instrument: 50MSS3.i

Sample Info: 1117091

Volume Injected (uL): 1.0

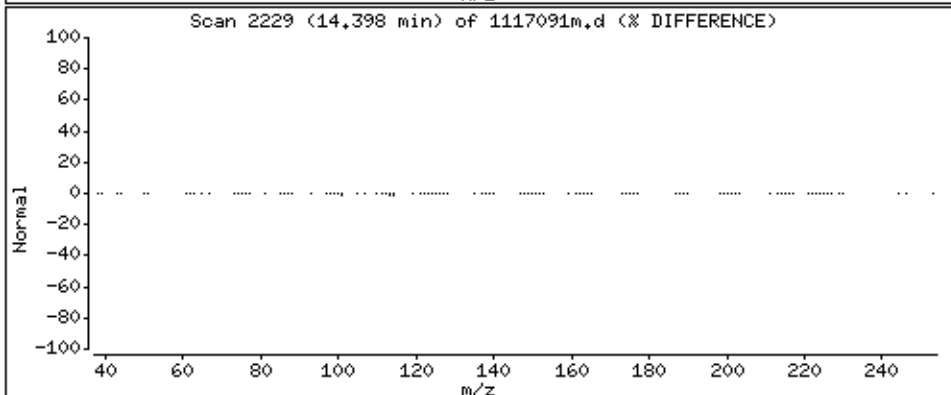
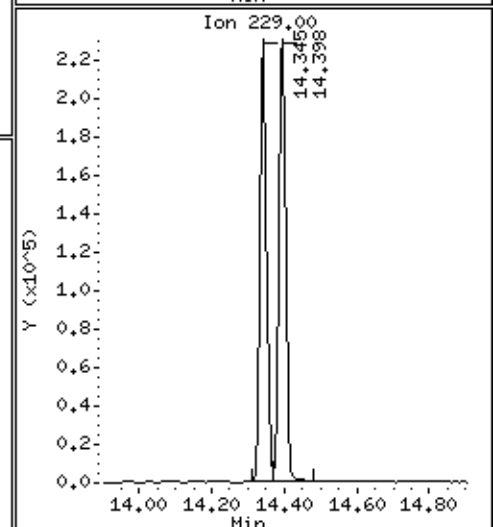
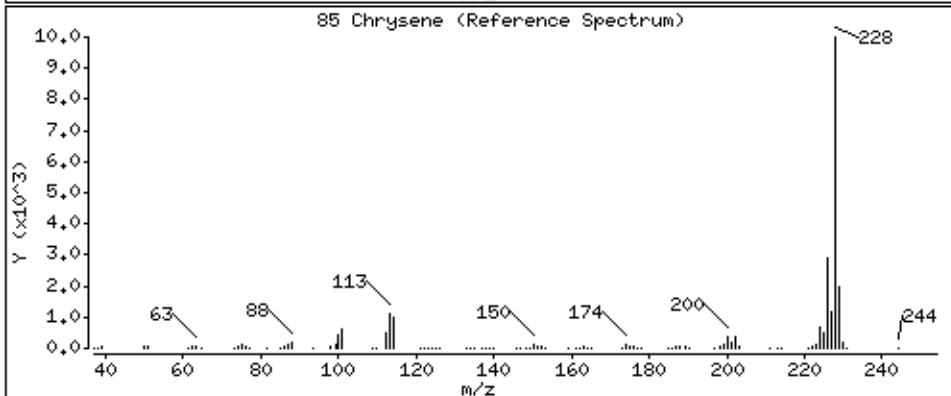
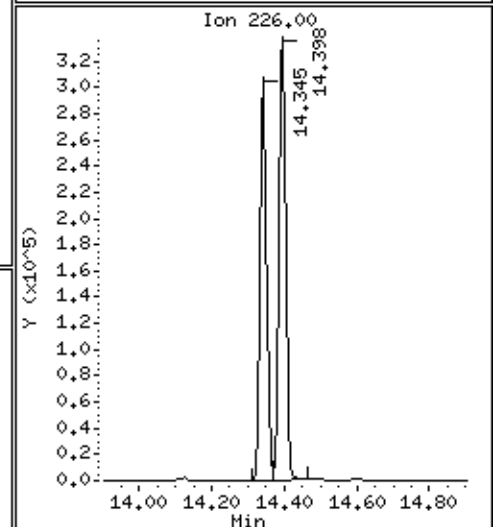
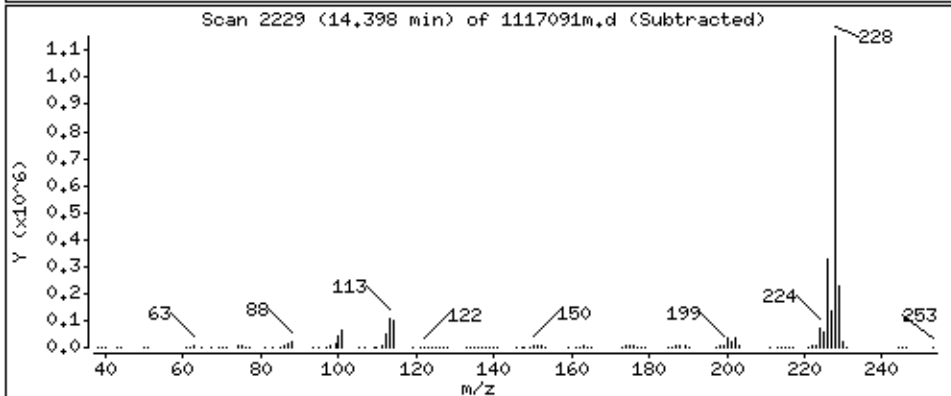
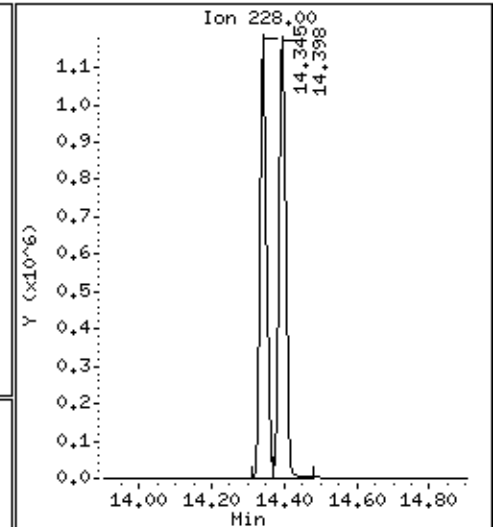
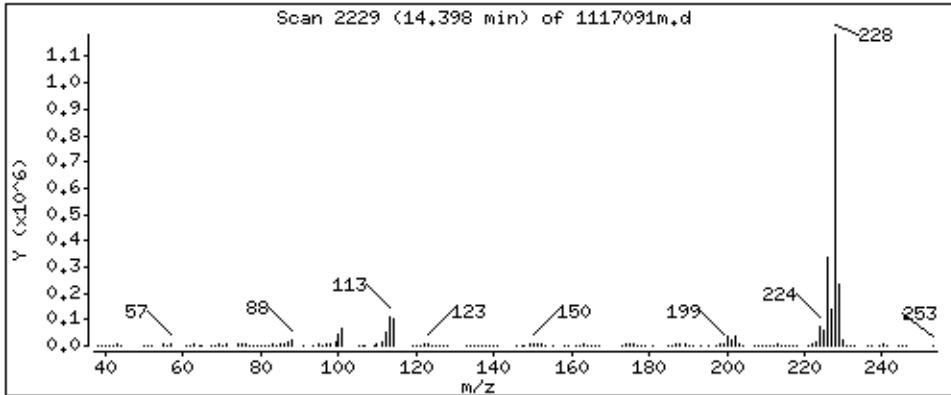
Operator: CEM

Column phase: .50um DB-5ms

Column diameter: 0,25

85 Chrysene

Concentration: 2901 ug/Kg



Date : 27-JUN-2014 21:14

Client ID: THW-6(2-4)MS

Instrument: 50MSS3.i

Sample Info: 1117091

Volume Injected (uL): 1.0

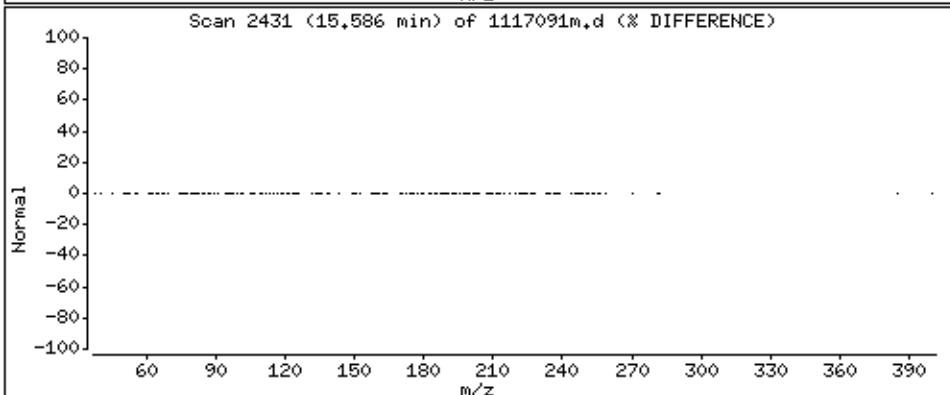
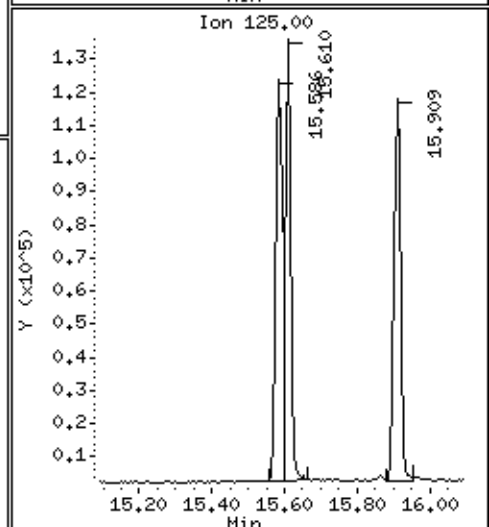
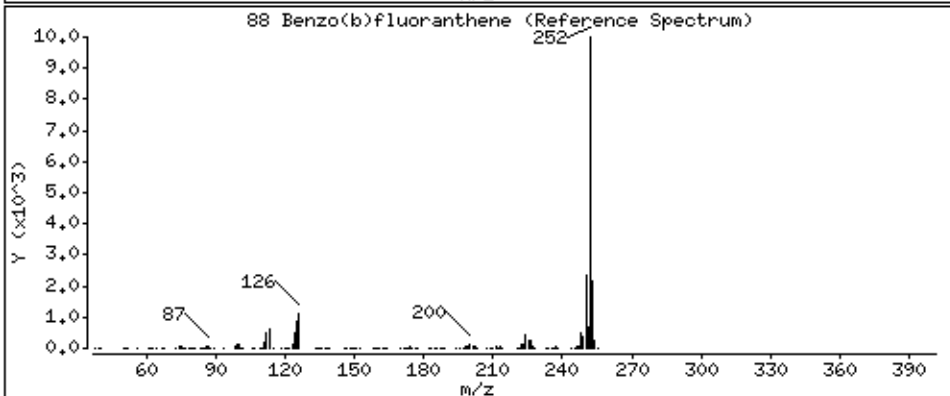
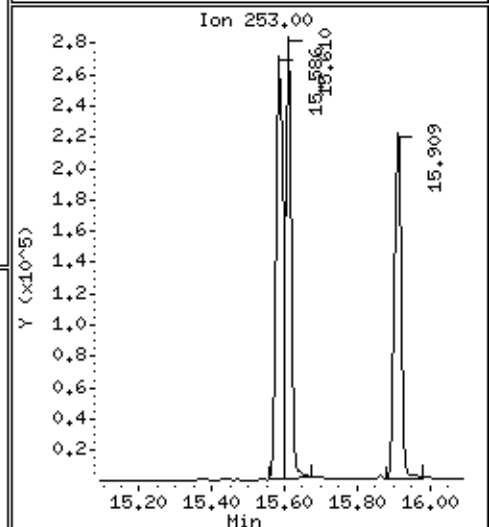
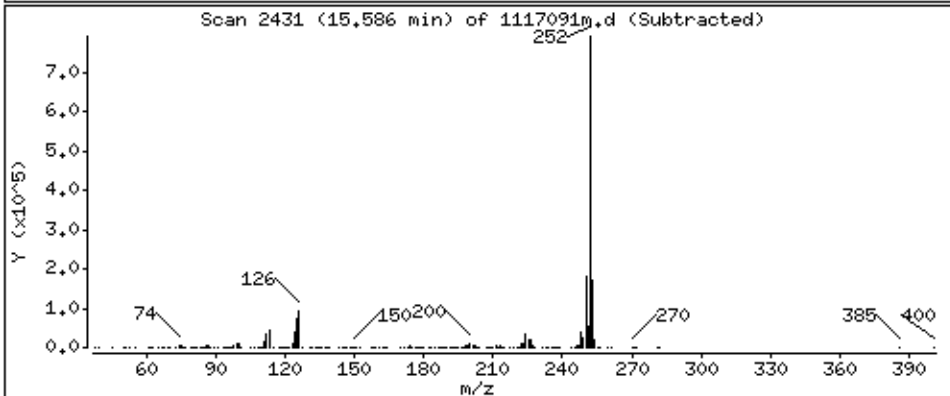
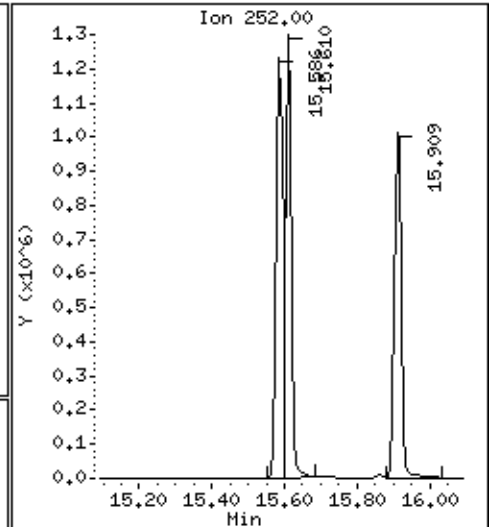
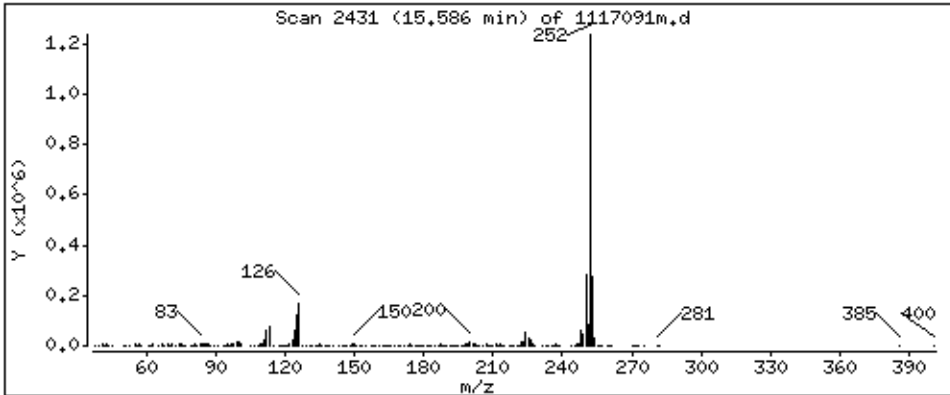
Operator: CEM

Column phase: .50um DB-5ms

Column diameter: 0,25

88 Benzo(b)fluoranthene

Concentration: 3721 ug/Kg



Date : 27-JUN-2014 21:14

Client ID: THW-6(2-4)MS

Instrument: 50MSS3.i

Sample Info: 1117091

Volume Injected (uL): 1.0

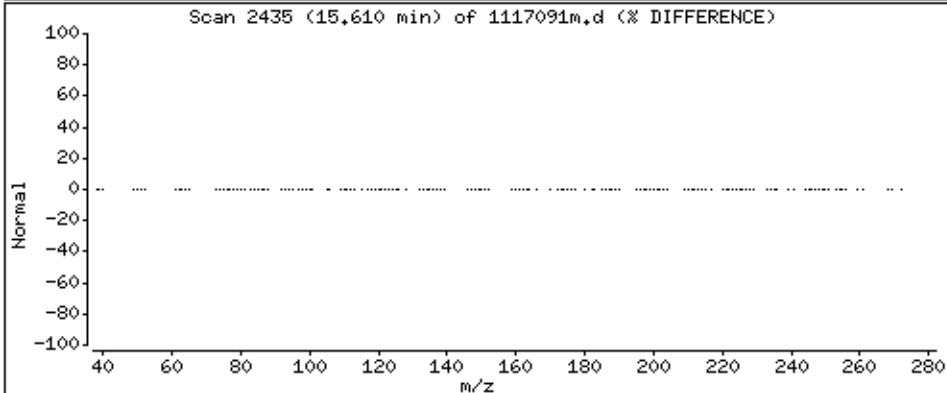
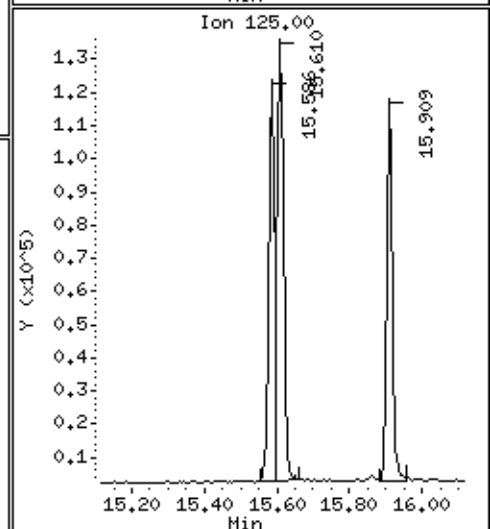
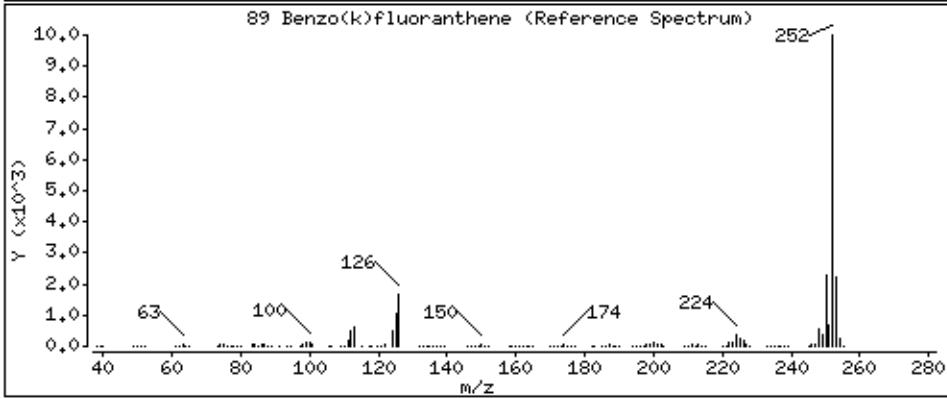
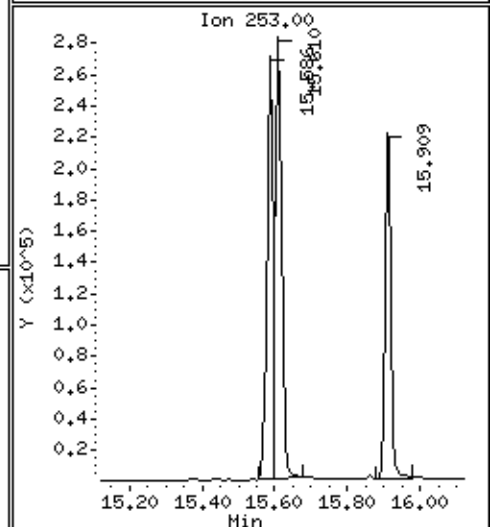
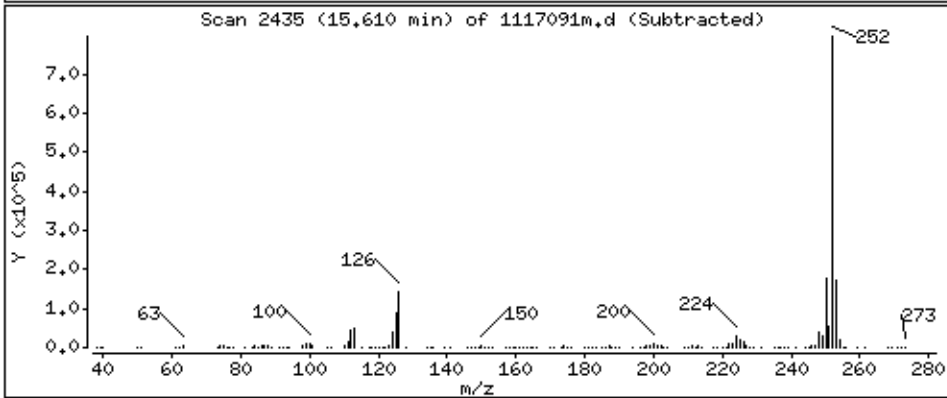
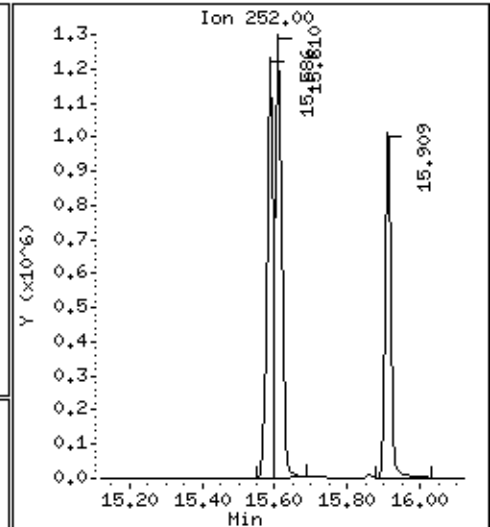
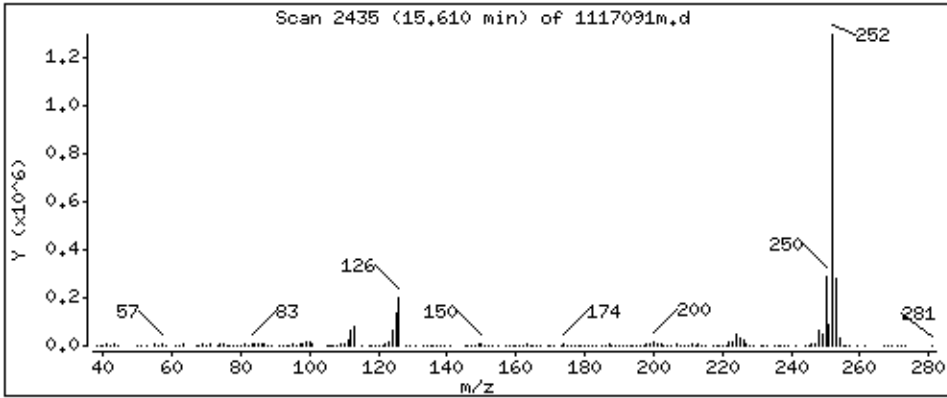
Operator: CEM

Column phase: .50um DB-5ms

Column diameter: 0,25

89 Benzo(k)fluoranthene

Concentration: 3665 ug/Kg



Date : 27-JUN-2014 21:14

Client ID: THW-6(2-4)MS

Instrument: 50MSS3.i

Sample Info: 1117091

Volume Injected (uL): 1.0

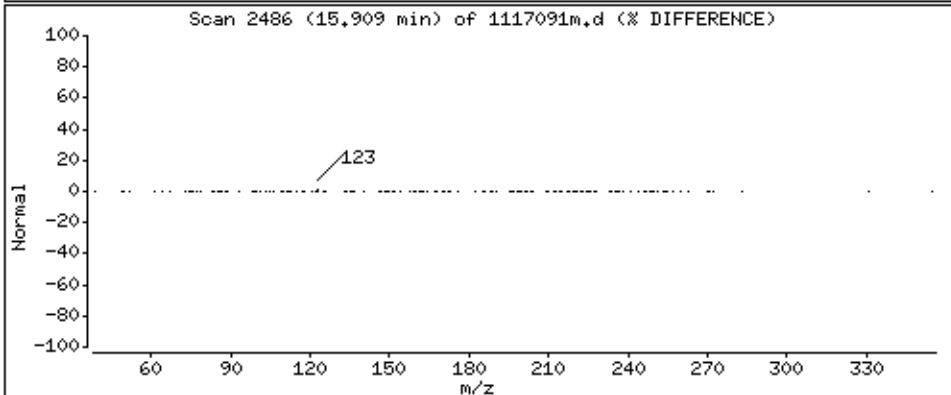
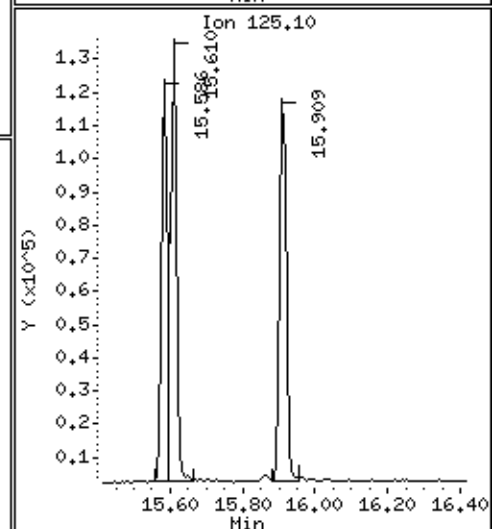
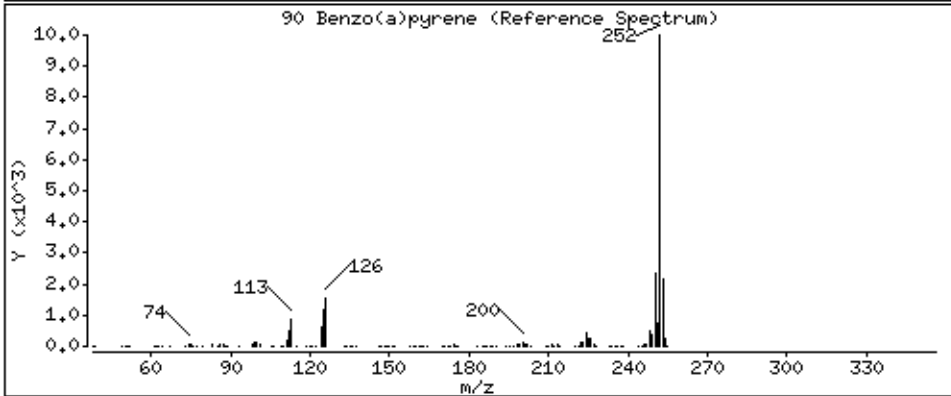
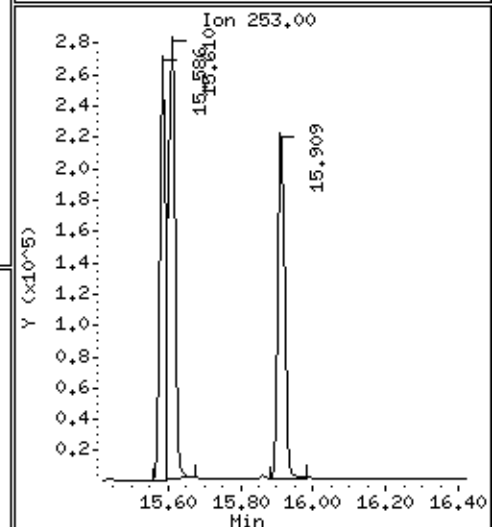
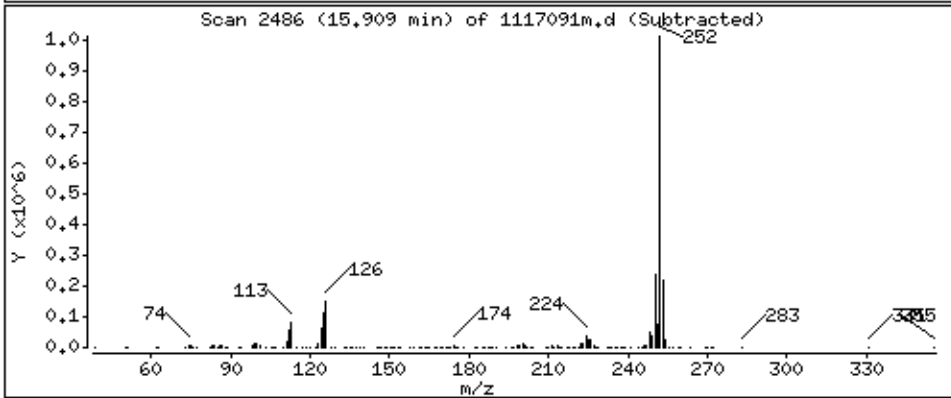
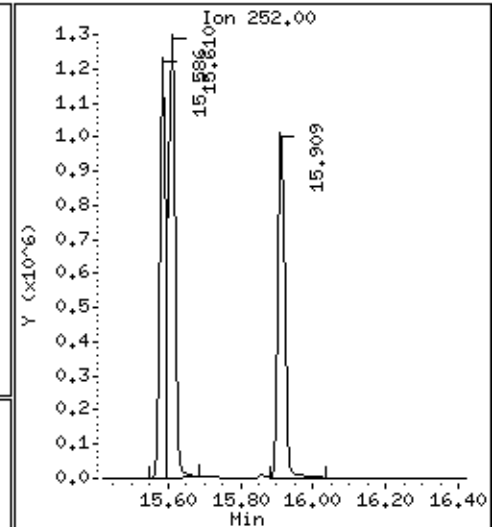
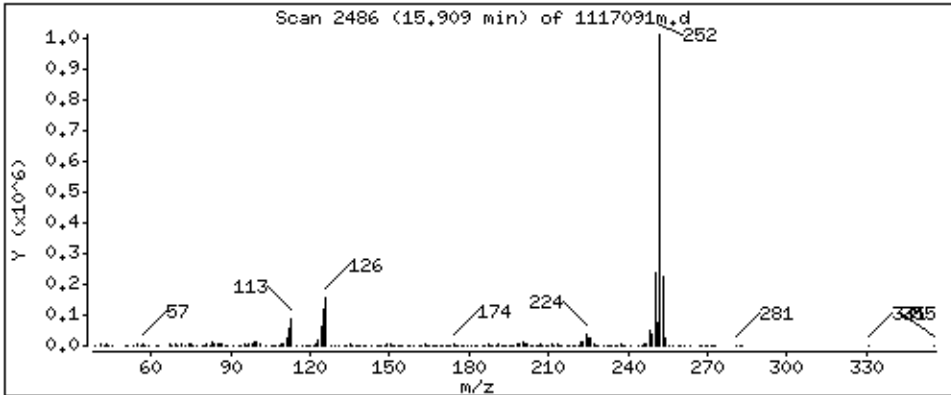
Operator: CEM

Column phase: .50um DB-5ms

Column diameter: 0,25

90 Benzo(a)pyrene

Concentration: 3376 ug/Kg



Date : 27-JUN-2014 21:14

Client ID: THW-6(2-4)MS

Instrument: 50MSS3.i

Sample Info: 1117091

Volume Injected (uL): 1.0

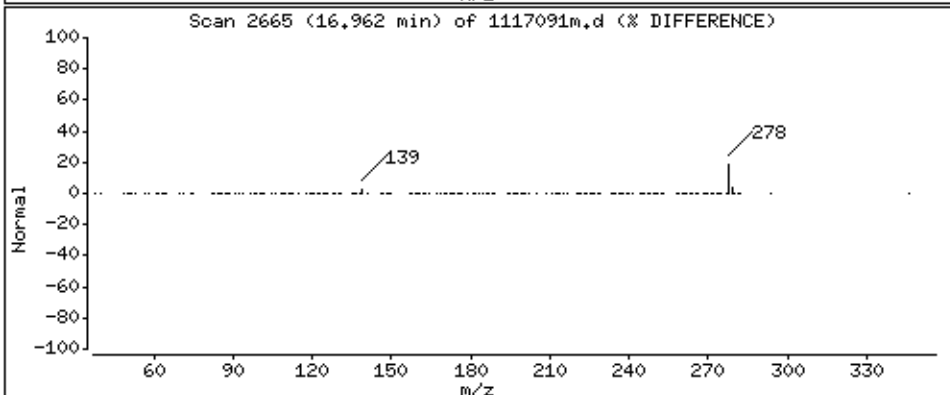
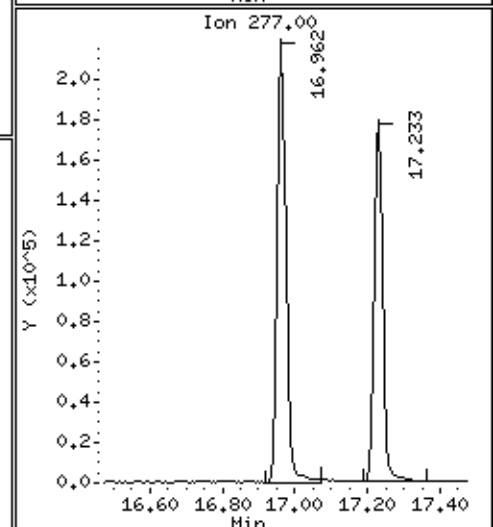
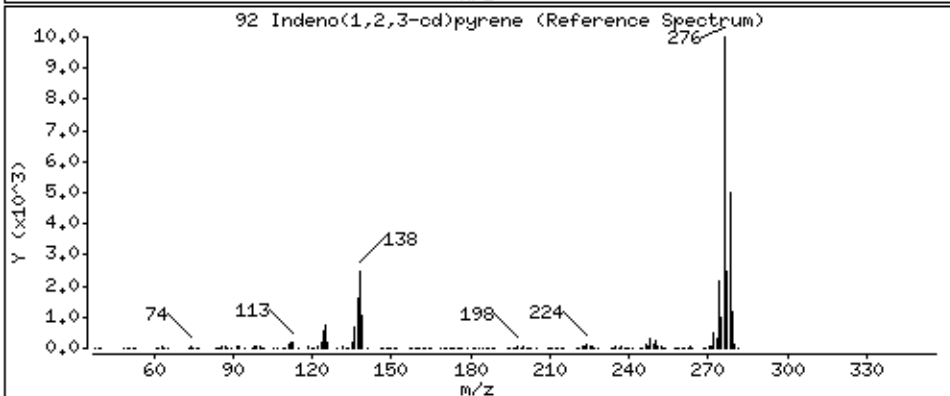
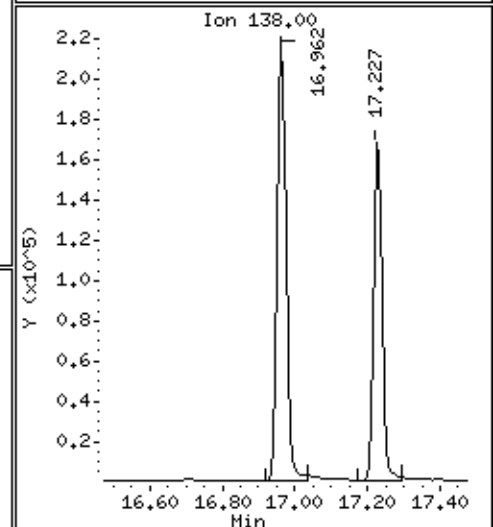
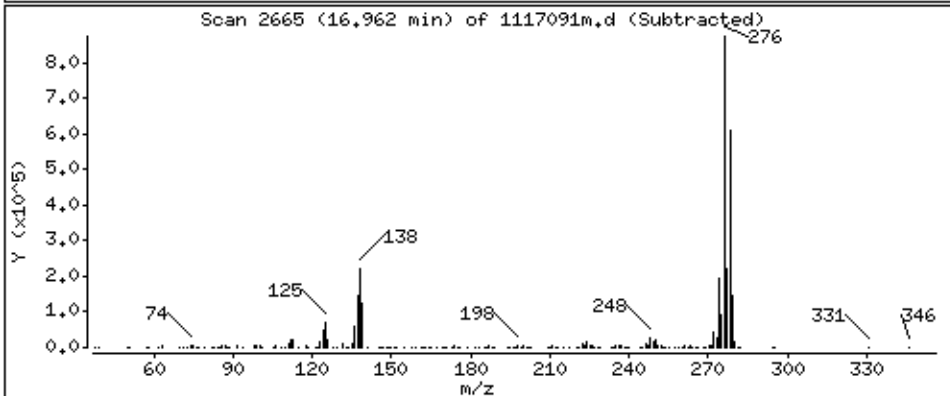
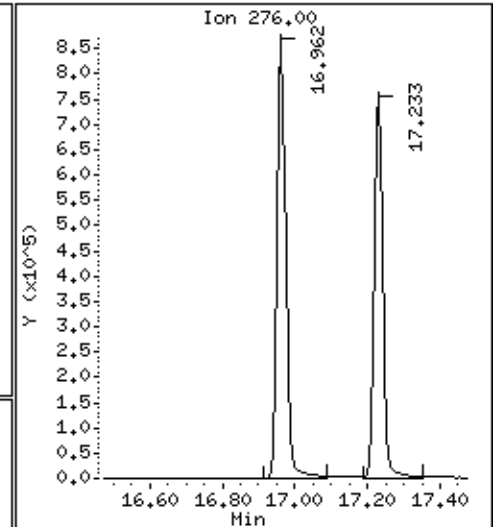
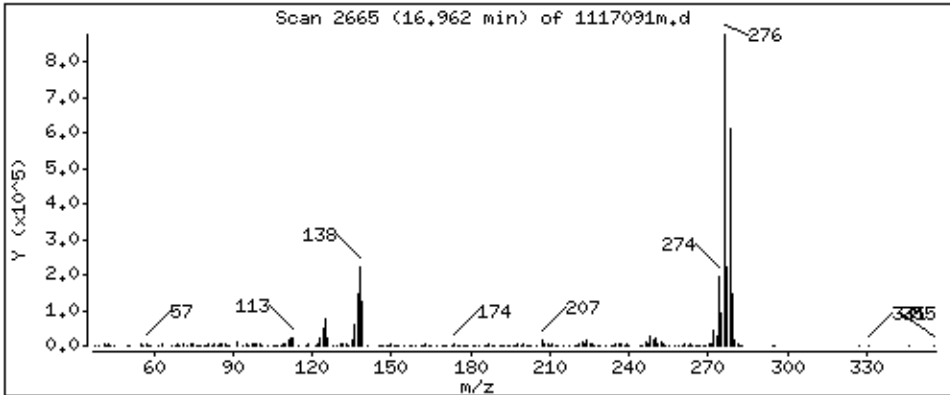
Operator: CEM

Column phase: .50um DB-5ms

Column diameter: 0,25

92 Indeno(1,2,3-cd)pyrene

Concentration: 3125 ug/Kg



Date : 27-JUN-2014 21:14

Client ID: THW-6(2-4)MS

Instrument: 50MSS3.i

Sample Info: 1117091

Volume Injected (uL): 1.0

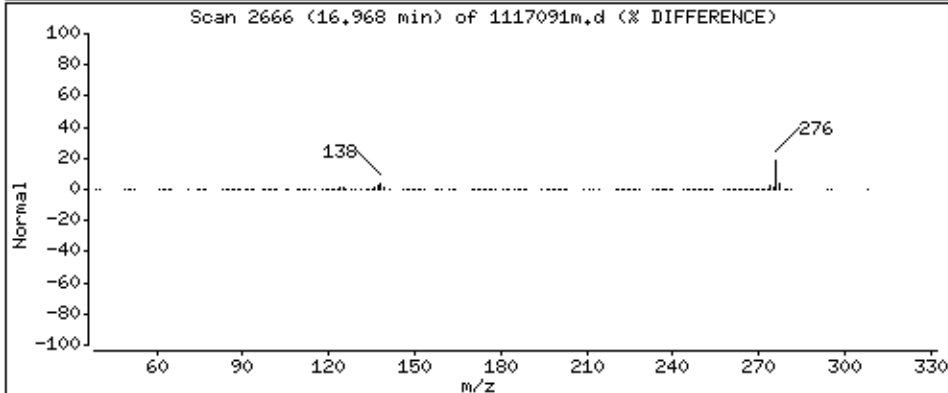
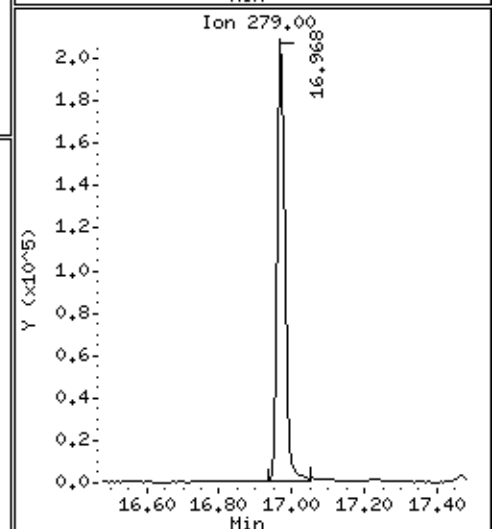
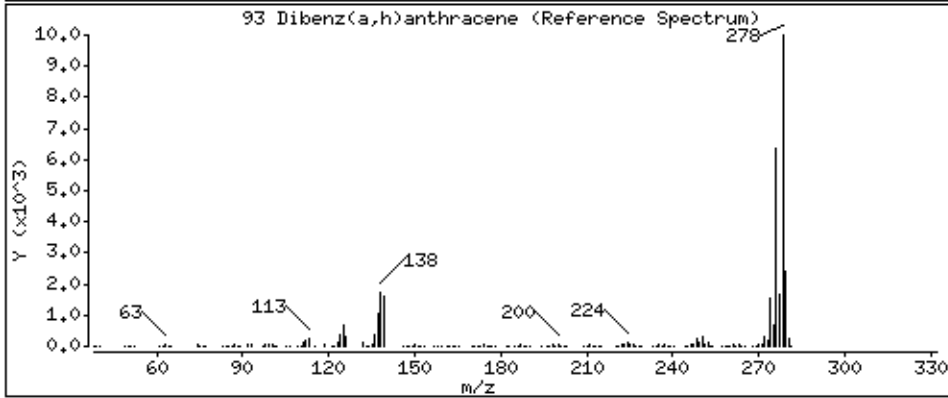
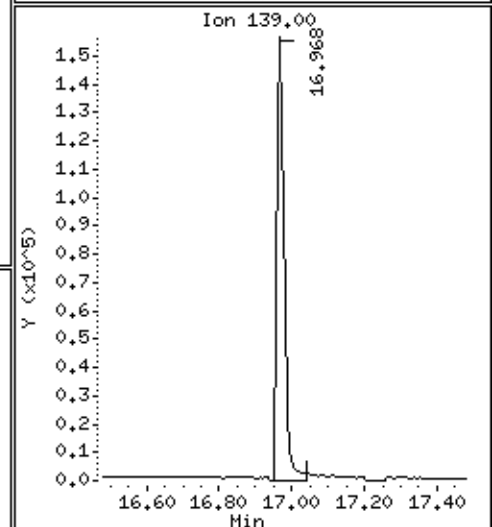
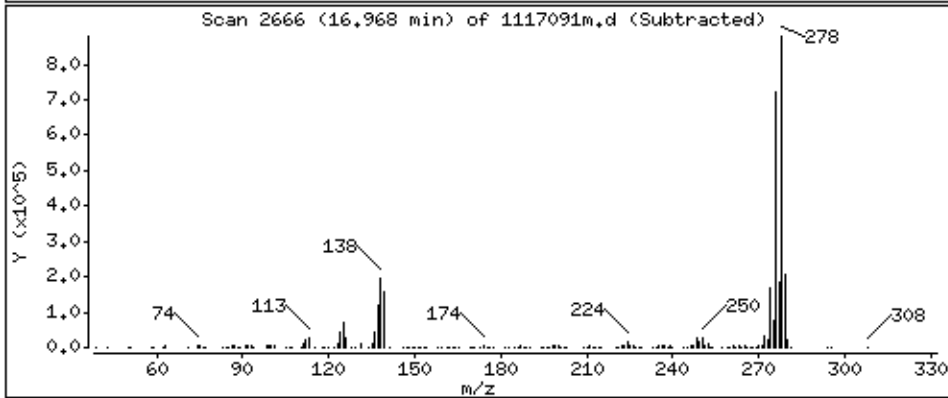
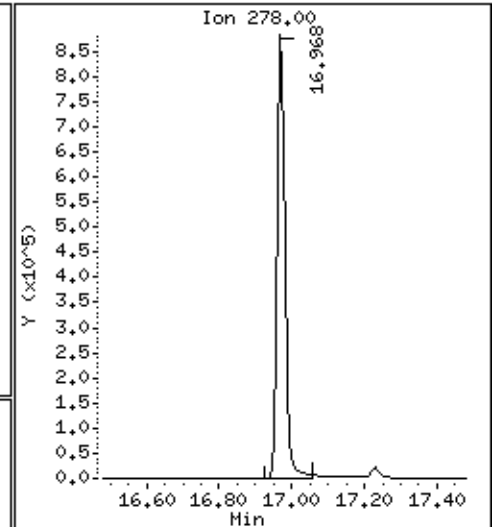
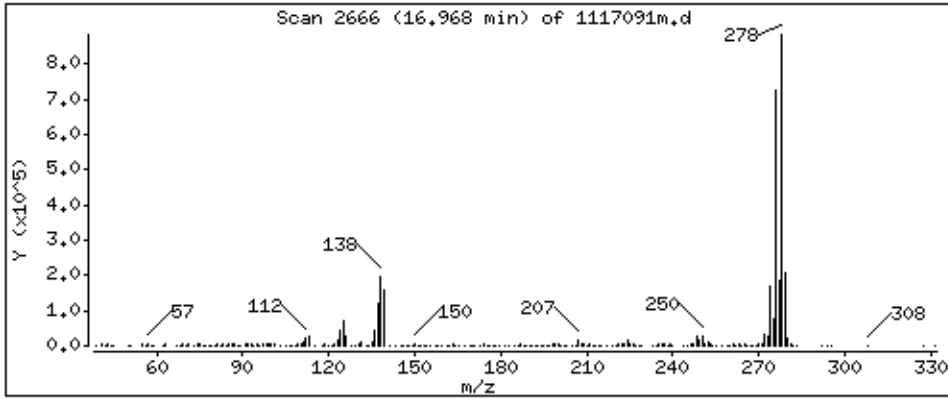
Operator: CEM

Column phase: .50um DB-5ms

Column diameter: 0,25

93 Dibenz(a,h)anthracene

Concentration: 3376 ug/Kg



Date : 27-JUN-2014 21:14

Client ID: THW-6(2-4)MS

Instrument: 50MSS3.i

Sample Info: 1117091

Volume Injected (uL): 1.0

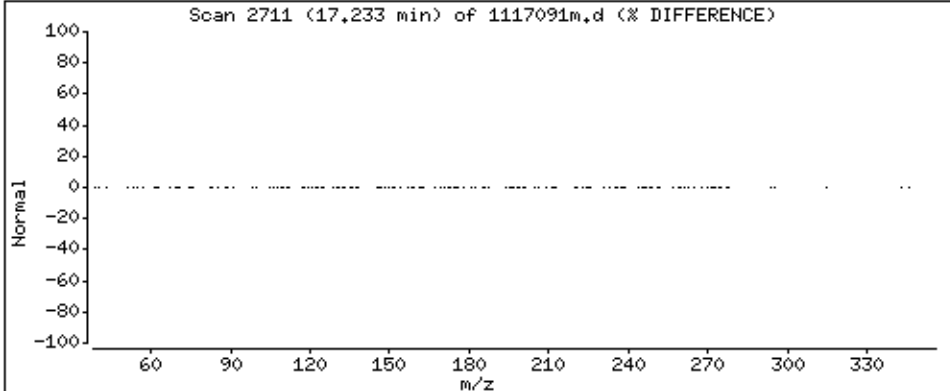
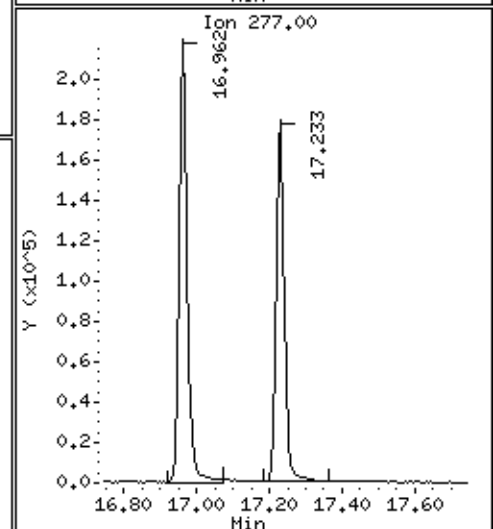
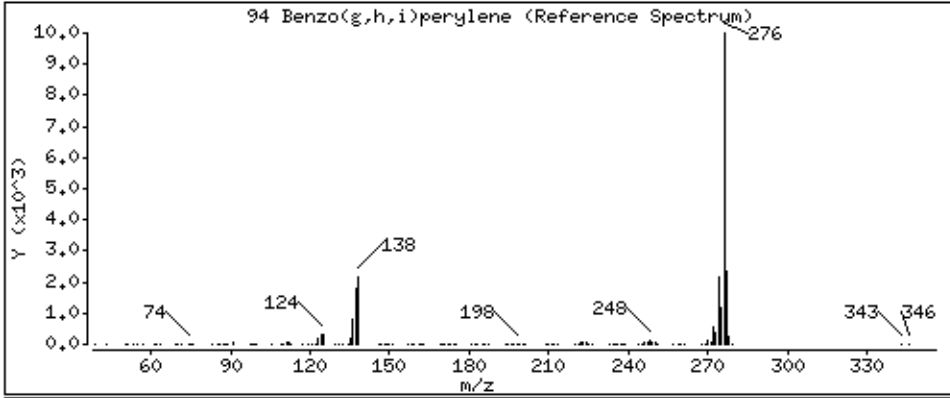
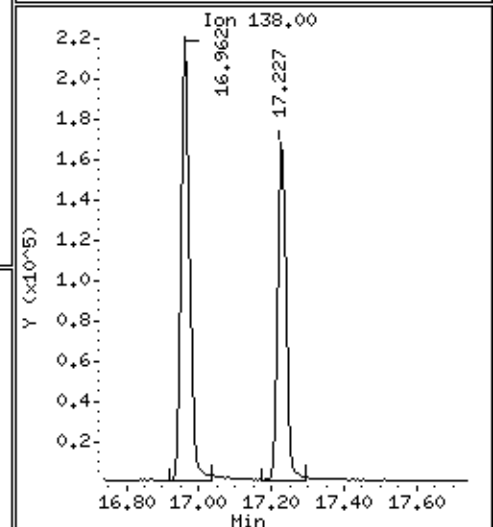
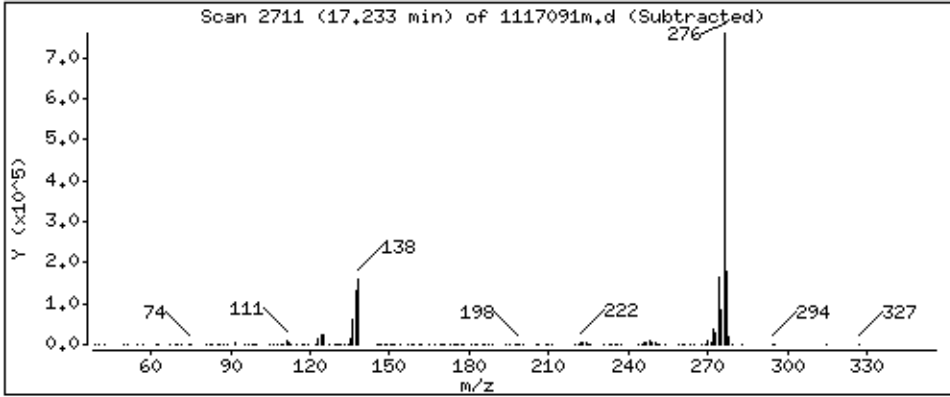
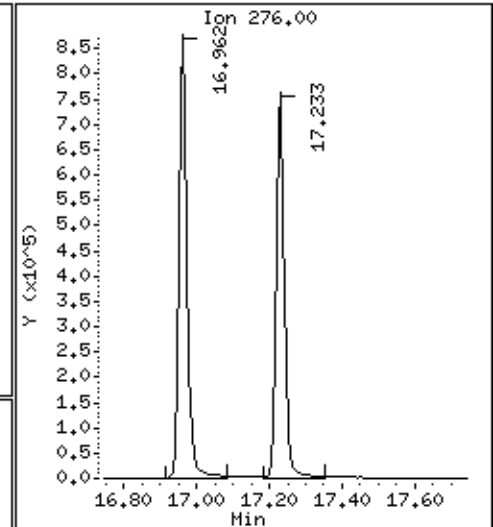
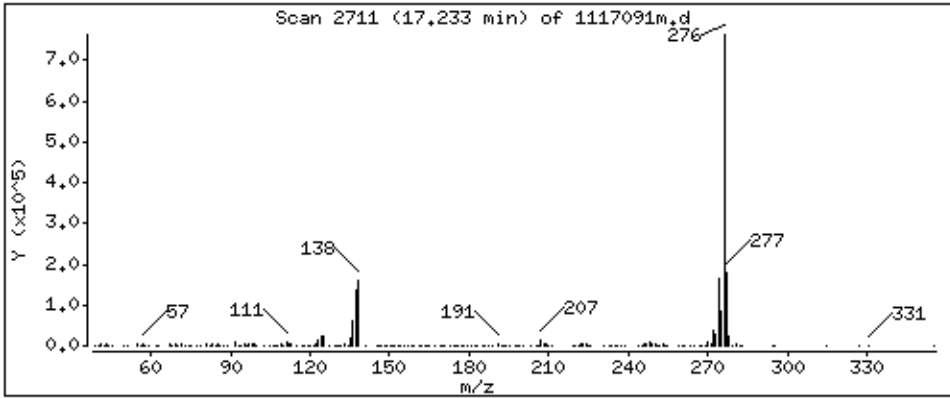
Operator: CEM

Column phase: .50um DB-5ms

Column diameter: 0,25

94 Benzo(g,h,i)perylene

Concentration: 2956 ug/Kg



MSSV FULL SCAN - FORM I SVOA-1
SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

MSD

Lab Name: Pace Analytical - Indiana
Date Received: 06/21/2014 10:54
Date Extracted: 06/25/2014 12:30
Date Analyzed: 06/27/2014 21:38
Initial wt/vol: 30.1 g Final wt/vol: 1 mL Dilution: 1

Contract: Sibley-Accucast/2339-356-03-00
Matrix: Solid SDG No.: 5099688
Lab Sample ID: 1117092
Lab File ID: 062714.B\1117092D.D
Instrument: 50MSS3 Percent Moisture: 12.9%

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
83-32-9	Acenaphthene	2750	
208-96-8	Acenaphthylene	2640	
120-12-7	Anthracene	2720	
56-55-3	Benzo(a)anthracene	2760	
50-32-8	Benzo(a)pyrene	3200	
205-99-2	Benzo(b)fluoranthene	3680	
191-24-2	Benzo(g,h,i)perylene	2790	
207-08-9	Benzo(k)fluoranthene	3630	
59-50-7	4-Chloro-3-methylphenol	2480	
95-57-8	2-Chlorophenol	2160	
218-01-9	Chrysene	2880	
53-70-3	Dibenz(a,h)anthracene	3060	
121-14-2	2,4-Dinitrotoluene	2580	
206-44-0	Fluoranthene	3550	
86-73-7	Fluorene	2970	
193-39-5	Indeno(1,2,3-cd)pyrene	2880	
91-57-6	2-Methylnaphthalene	2680	
91-20-3	Naphthalene	2740	
100-02-7	4-Nitrophenol	2400	
621-64-7	N-Nitroso-di-n-propylamine	2720	
87-86-5	Pentachlorophenol	1940	
85-01-8	Phenanthrene	3310	
108-95-2	Phenol	2300	
129-00-0	Pyrene	3440	

07/21/2014 12:56

Pace Analytical Services, Inc.

Semivolatile REPORT SW-846 Method 8270/EPA 625

Data file : \\192.168.50.6\chem\50MSS3.i\062714.b\1117092d.d
 Lab Smp Id: 1117092 Client Smp ID: TMW-6(2-4)MSD
 Inj Date : 27-JUN-2014 21:38
 Operator : CEM Inst ID: 50MSS3.i
 Smp Info : 1117092
 Misc Info : 15583
 Comment :
 Method : \\192.168.50.6\chem\50MSS3.i\062714.b\8270c.m
 Meth Date : 30-Jun-2014 13:19 50MSS3.i Quant Type: ISTD
 Cal Date : 10-JUN-2014 12:11 Cal File: 100ppm.d
 Als bottle: 24 QC Sample: MSD
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: most.sub
 Target Version: 4.14
 Processing Host: 50-SVOA-SN

Concentration Formula: Amt * DF * Uf * Vt / (Vi * Ws * (100 - M) / 100) * CpndV

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vt	1000.000	Volume of final extract (uL)
Vi	1.000	Volume Injected (uL)
Ws	30.100	Weight of sample extracted (g)
M	12.856	% Moisture
Cpnd Variable		Local Compound Variable

Compounds	QUANT	SIG	MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
								ON-COLUMN (ug/ml)	FINAL (ug/Kg)
\$ 3 2-Fluorophenol (S)	112		3.380	3.380	(0.730)	226322	57.9326	2209	
5 Benzaldehyde	77		4.186	4.174	(0.904)	1798	7.70016	293.6 (QM)	
\$ 7 Phenol-d5 (S)	99		4.404	4.404	(0.950)	305413	62.8758	2397	
8 Phenol	94		4.416	4.415	(0.953)	312300	60.3249	2300	
9 2-Chlorophenol	128		4.475	4.474	(0.966)	264383	56.5856	2157	
* 11 1,4-Dichlorobenzene-d4 (IS)	152		4.633	4.633	(1.000)	136033	40.0000		
12 1,4-Dichlorobenzene	146		4.651	4.657	(1.004)	346818	66.0970	2520	
20 N-Nitroso-di-n-propylamine	70		5.192	5.198	(1.121)	198380	71.4370	2723	
\$ 23 Nitrobenzene-d5 (S)	82		5.369	5.368	(0.825)	267343	67.6206	2578	
30 1,2,4-Trichlorobenzene	180		6.445	6.451	(0.990)	311487	71.6142	2730	
* 32 Naphthalene-d8 (IS)	136		6.510	6.515	(1.000)	541729	40.0000		
33 Naphthalene	128		6.551	6.557	(1.006)	985684	71.8773	2740	
39 4-Chloro-3-methylphenol	107		8.133	8.139	(1.249)	236863	65.5120	2498 (QM)	
38 2-Methylnaphthalene	142		8.139	8.145	(1.250)	899680	70.2913	2680	
40 1-Methylnaphthalene	142		8.357	8.362	(1.284)	615050	65.5311	2498	
\$ 44 2-Fluorobiphenyl (S)	172		8.921	8.927	(0.903)	741785	71.7642	2736	
51 Acenaphthylene	152		9.668	9.674	(0.979)	992101	69.1847	2638	
* 53 Acenaphthene-d10 (IS)	164		9.880	9.886	(1.000)	318746	40.0000		
54 Acenaphthene	153		9.921	9.927	(1.004)	659325	72.0080	2745	

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN (ug/ml)	FINAL (ug/Kg)
59 4-Nitrophenol	109	10.309	10.303	(1.043)	67691	63.0773	2405
57 Dibenzofuran	168	10.133	10.139	(1.026)	24245	1.87039	71.31
58 2,4-Dinitrotoluene	165	10.245	10.250	(1.037)	206319	67.7631	2583
61 Fluorene	166	10.556	10.562	(1.068)	789694	77.8517	2968
\$ 67 2,4,6-Tribromophenol (S)	330	10.886	10.886	(0.939)	114260	64.0996	2444
71 Pentachlorophenol	266	11.503	11.503	(0.992)	111409	50.8056	1937
* 72 Phenanthrene-d10 (IS)	188	11.598	11.597	(1.000)	567242	40.0000	
73 Phenanthrene	178	11.621	11.627	(1.002)	1356047	86.9042	3313
74 Anthracene	178	11.668	11.674	(1.006)	1119837	71.4690	2725
75 Carbazole	167	11.880	11.886	(1.024)	38538	2.66942	101.8
77 Fluoranthene	202	12.856	12.856	(1.109)	1609240	93.2069	3553
79 Pyrene	202	13.080	13.080	(1.128)	1617325	90.3505	3444
\$ 80 p-Terphenyl-d14 (S)	244	13.250	13.256	(1.143)	1094460	92.5938	3530
82 Benzo(a)anthracene	228	14.344	14.350	(0.999)	1502576	72.2843	2756
* 84 Chrysene-d12 (IS)	240	14.362	14.368	(1.000)	775276	40.0000	
85 Chrysene	228	14.397	14.403	(1.002)	1498639	75.5890	2882
88 Benzo(b)fluoranthene	252	15.586	15.591	(0.976)	1542191	96.4052	3675
89 Benzo(k)fluoranthene	252	15.609	15.621	(0.978)	1661432	95.1139	3626
90 Benzo(a)pyrene	252	15.915	15.921	(0.997)	1237100	84.0564	3204
* 91 Perylene-d12 (IS)	264	15.968	15.974	(1.000)	531894	40.0000	
92 Indeno(1,2,3-cd)pyrene	276	16.962	16.973	(1.062)	1374323	75.5660	2881
93 Dibenz(a,h)anthracene	278	16.968	16.979	(1.063)	1193396	80.3711	3064
94 Benzo(g,h,i)perylene	276	17.227	17.244	(1.079)	1153407	73.2402	2792

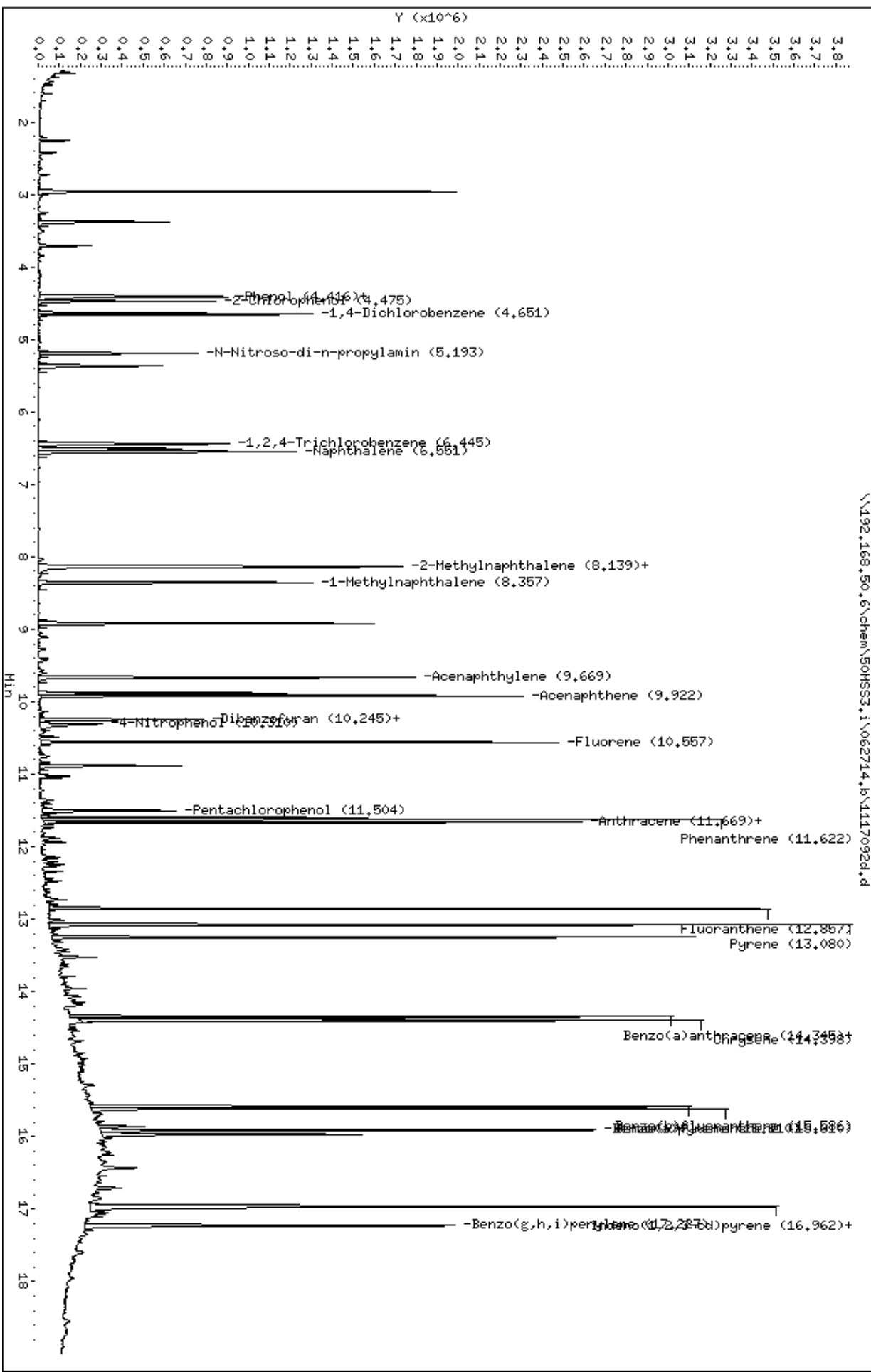
QC Flag Legend

Q - Qualifier signal failed the ratio test.
 M - Compound response manually integrated.

Data File: \\192.168.50.6\chem\50HSS3.1\062714.B\1117092d.d
 Date: 27-JUN-2014 21:38
 Client ID: TMM-6(2-4)HSD
 Sample Info: 1117092
 Volume Injected (uL): 1.0
 Column phase: 50um DB-5ms

Instrument: 50HSS3.1
 Operator: CEH
 Column diameter: 0.25

\\192.168.50.6\chem\50HSS3.1\062714.B\1117092d.d



Date : 27-JUN-2014 21:38

Client ID: THW-6(2-4)MSD

Instrument: 50MSS3.i

Sample Info: 1117092

Volume Injected (uL): 1.0

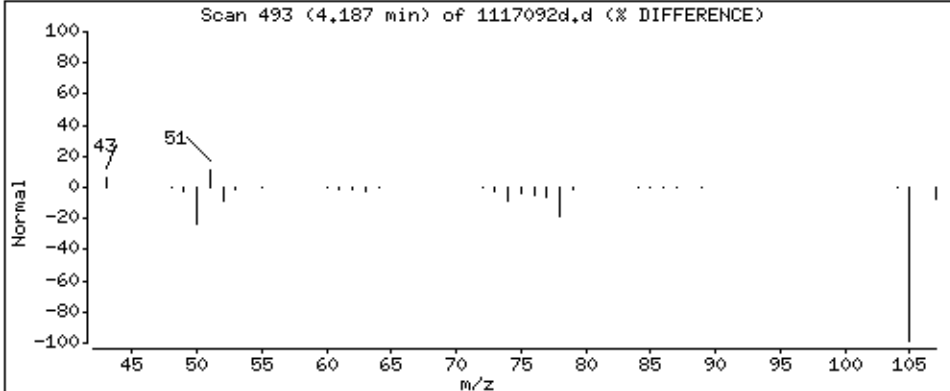
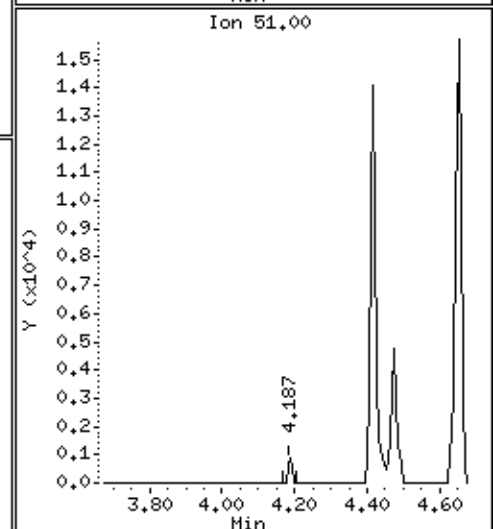
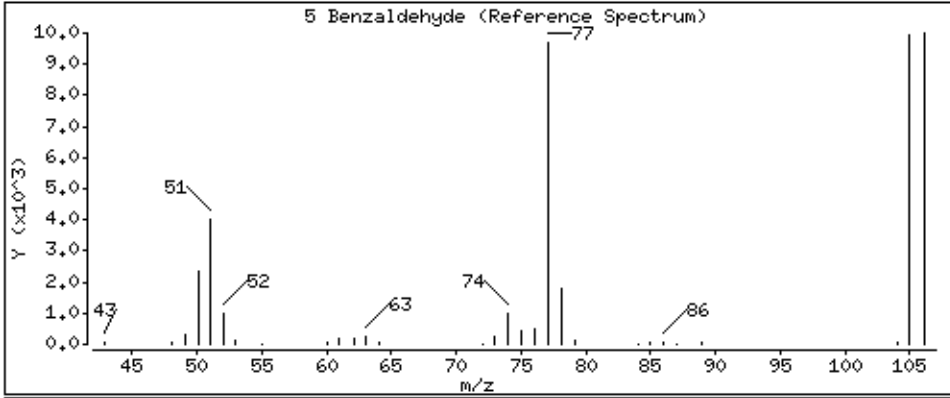
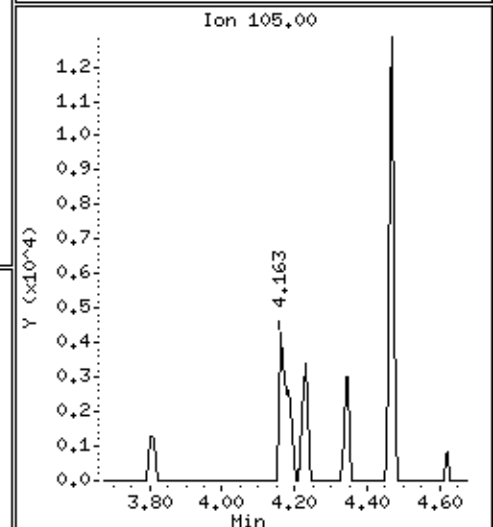
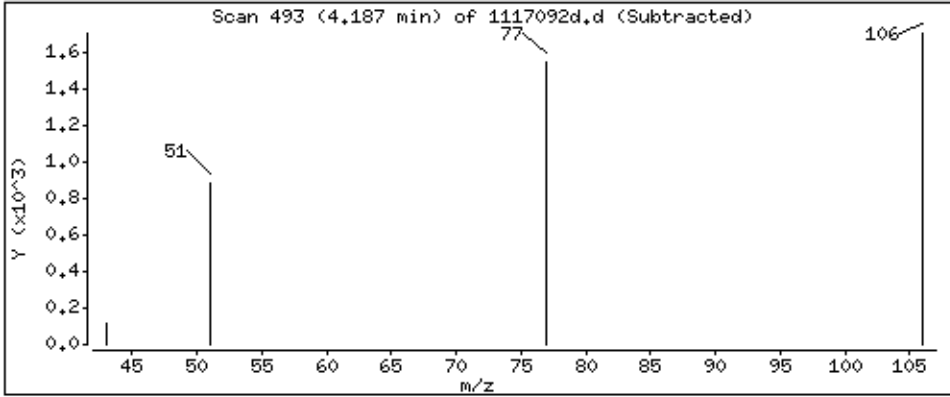
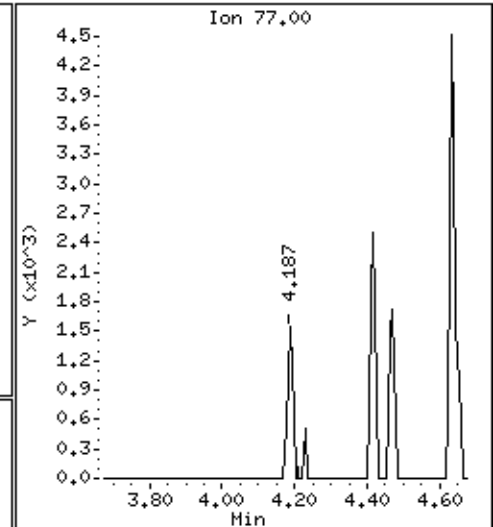
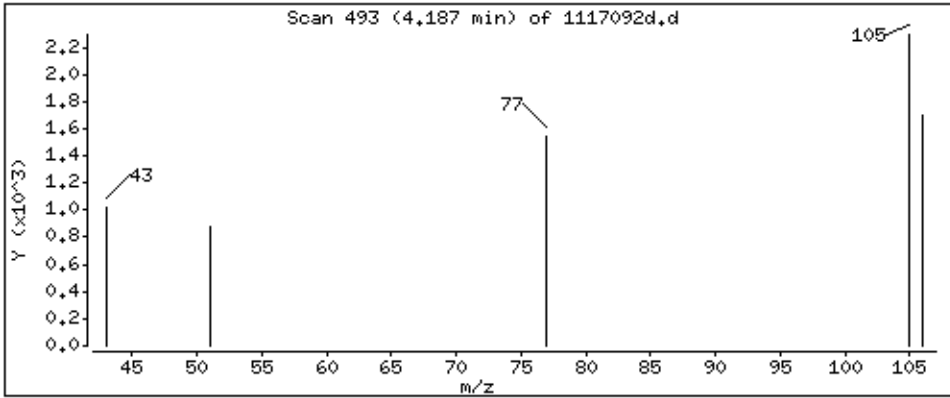
Operator: CEM

Column phase: .50um DB-5ms

Column diameter: 0,25

5 Benzaldehyde

Concentration: 293,6 ug/Kg



Date : 27-JUN-2014 21:38

Client ID: THW-6(2-4)MSD

Instrument: 50MSS3.i

Sample Info: 1117092

Volume Injected (uL): 1.0

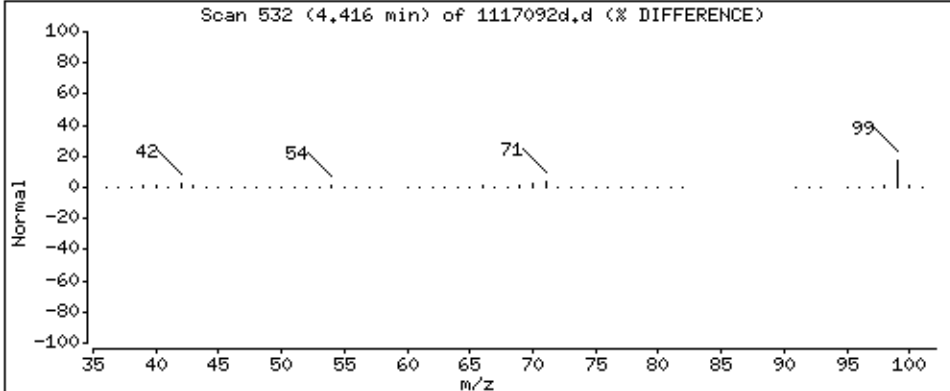
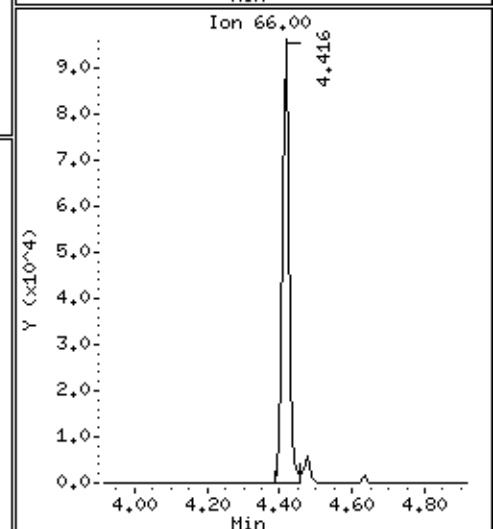
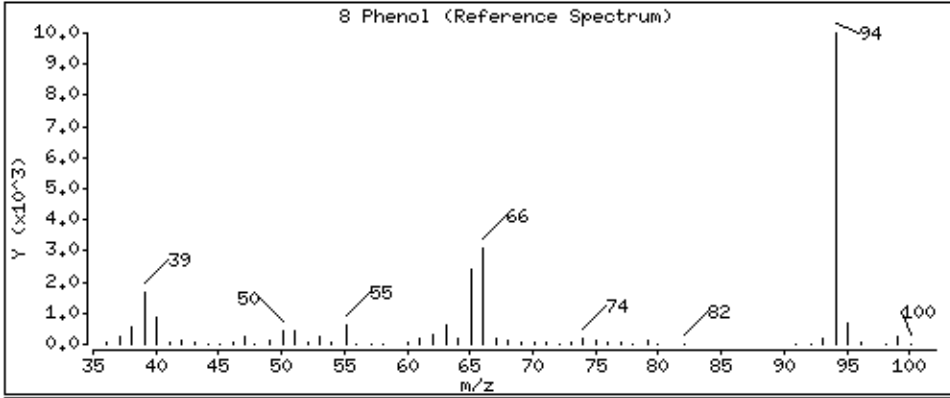
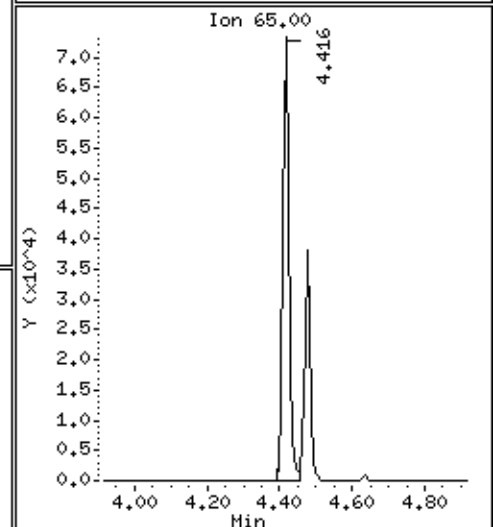
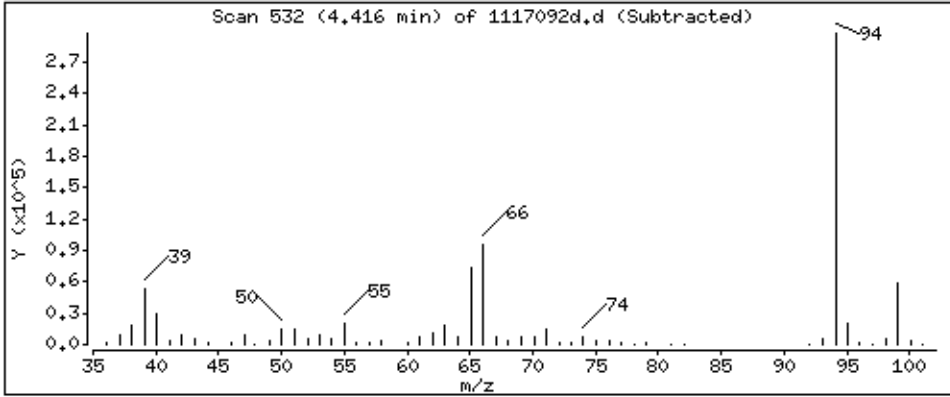
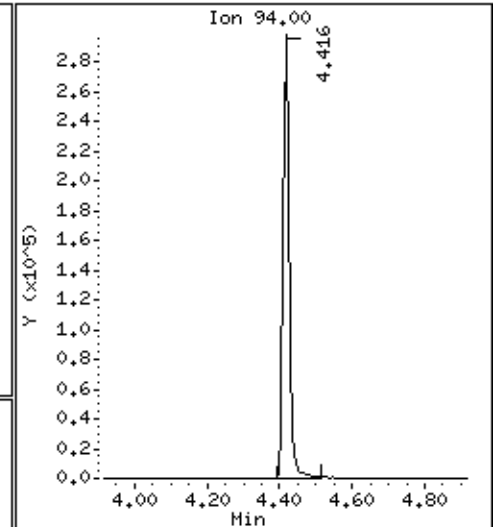
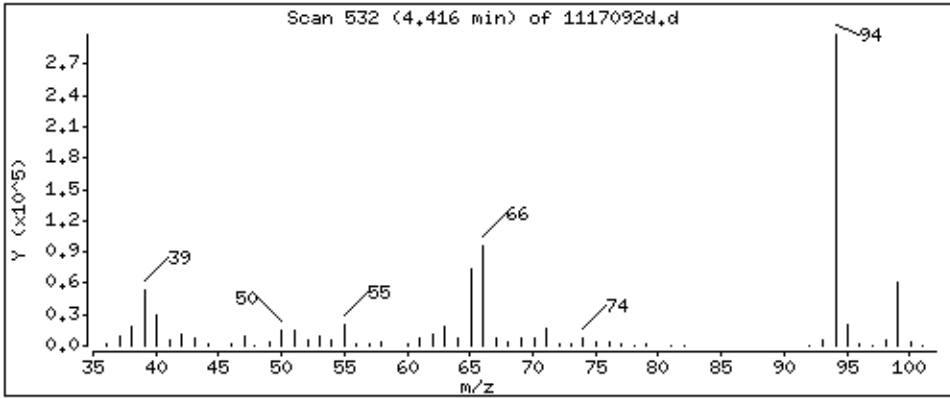
Operator: CEM

Column phase: .50um DB-5ms

Column diameter: 0,25

8 Phenol

Concentration: 2300 ug/Kg



Date : 27-JUN-2014 21:38

Client ID: THW-6(2-4)MSD

Instrument: 50MSS3.i

Sample Info: 1117092

Volume Injected (uL): 1.0

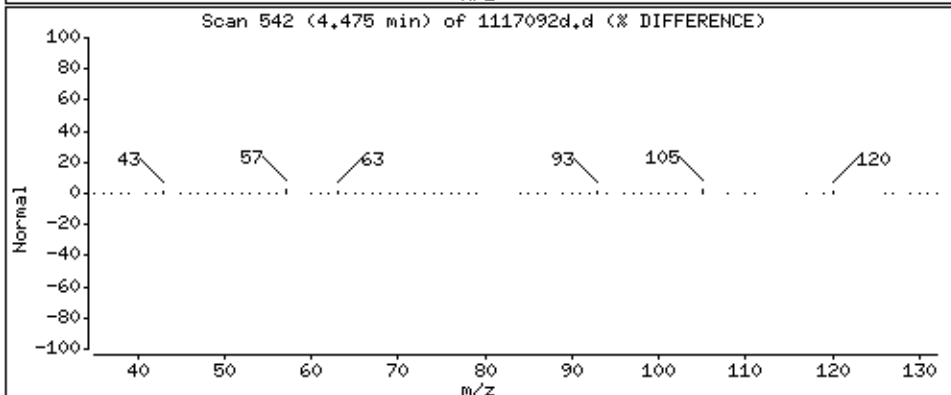
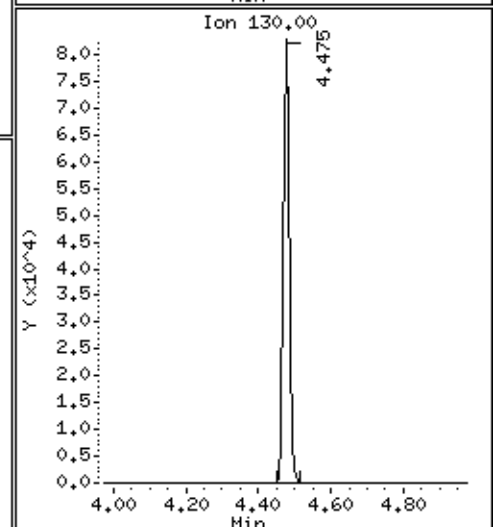
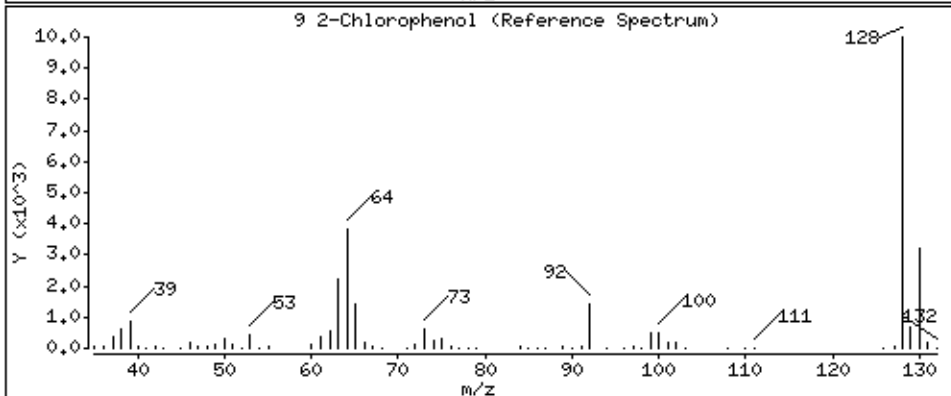
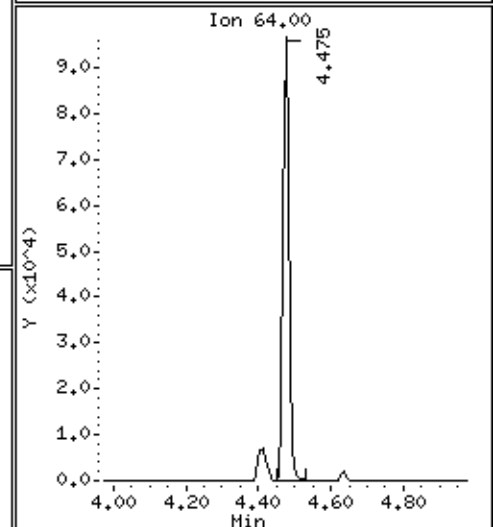
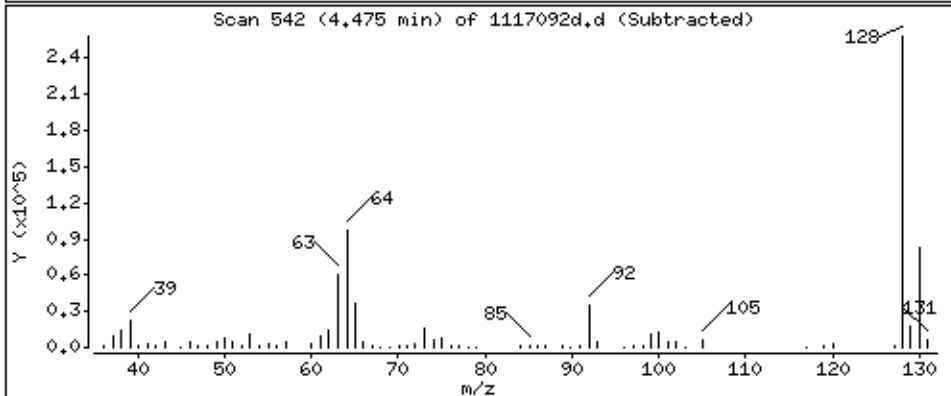
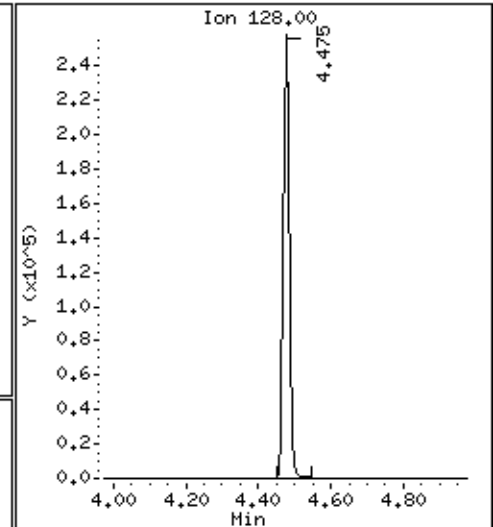
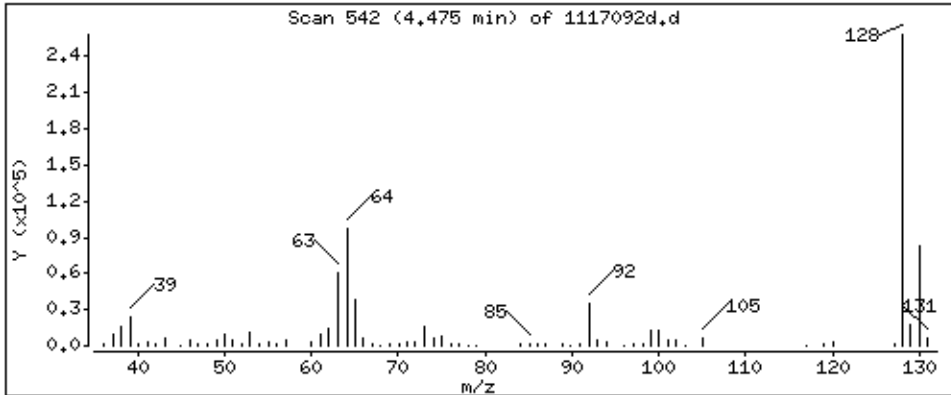
Operator: CEM

Column phase: .50um DB-5ms

Column diameter: 0,25

9 2-Chlorophenol

Concentration: 2157 ug/Kg



Date : 27-JUN-2014 21:38

Client ID: THW-6(2-4)MSD

Instrument: 50MSS3.i

Sample Info: 1117092

Volume Injected (uL): 1.0

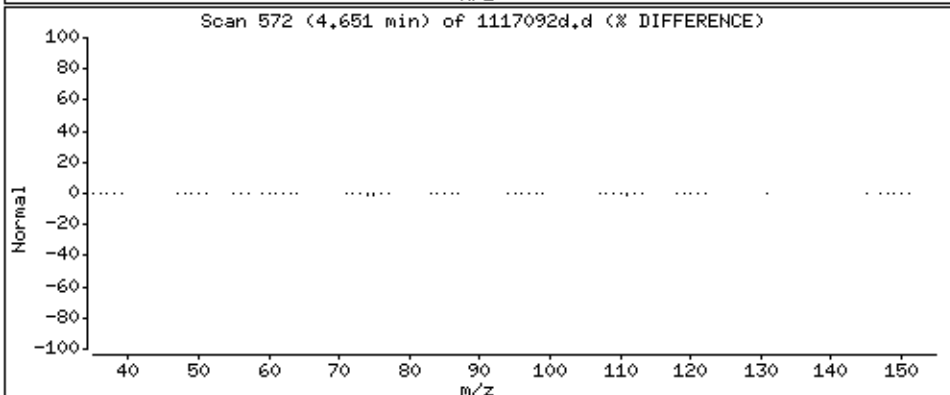
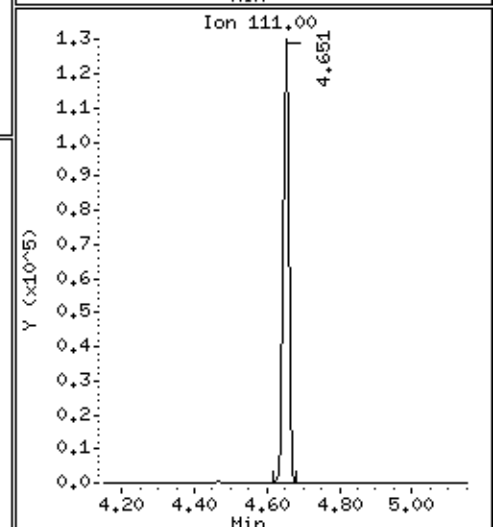
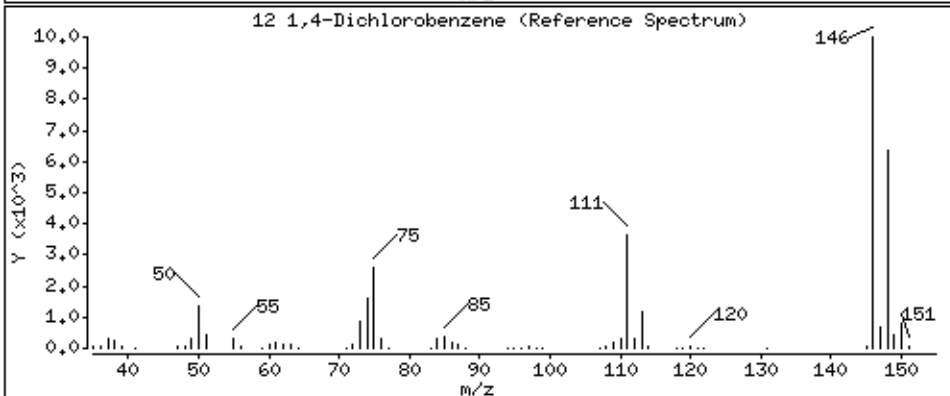
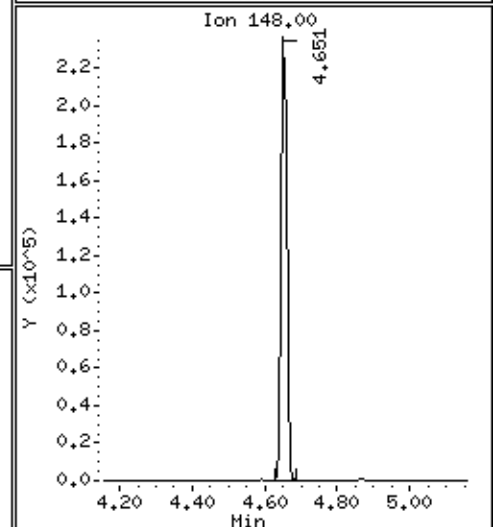
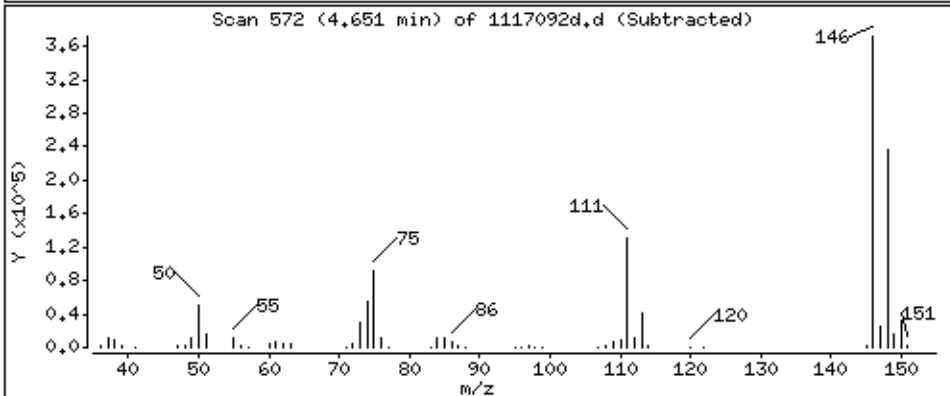
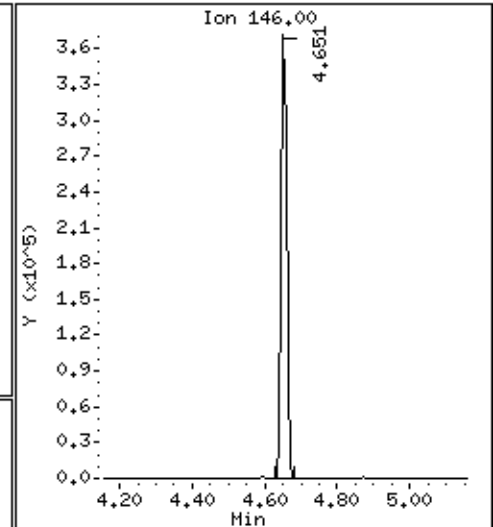
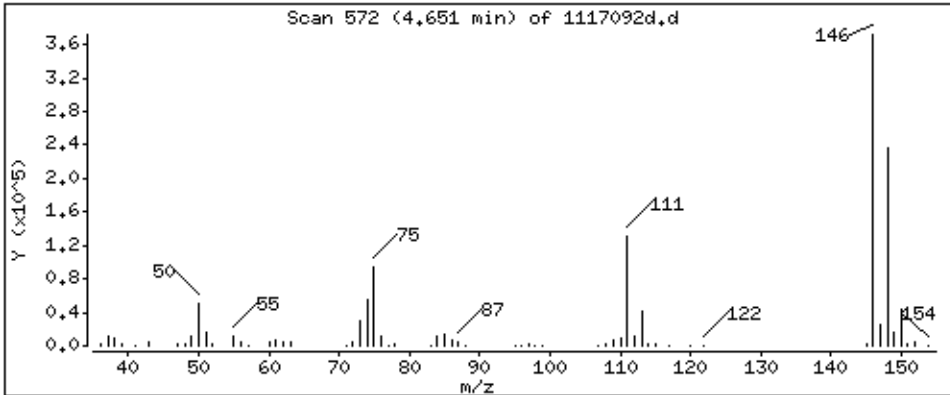
Operator: CEM

Column phase: .50um DB-5ms

Column diameter: 0,25

12 1,4-Dichlorobenzene

Concentration: 2520 ug/Kg



Date : 27-JUN-2014 21:38

Client ID: THW-6(2-4)MSD

Instrument: 50MSS3.i

Sample Info: 1117092

Volume Injected (uL): 1.0

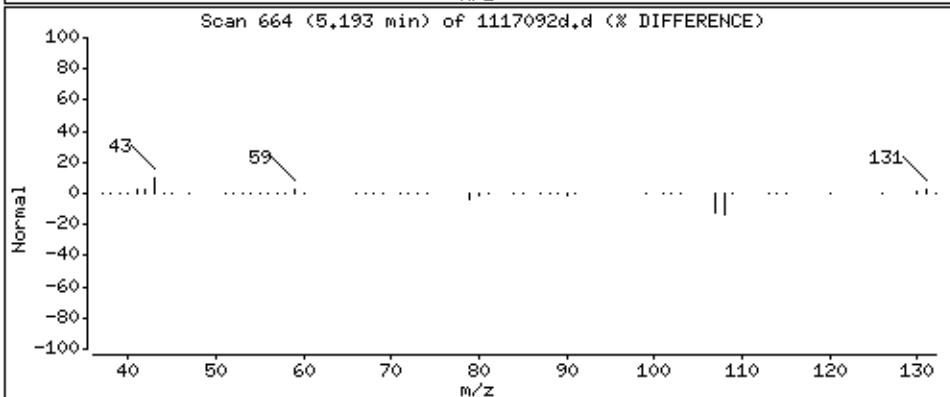
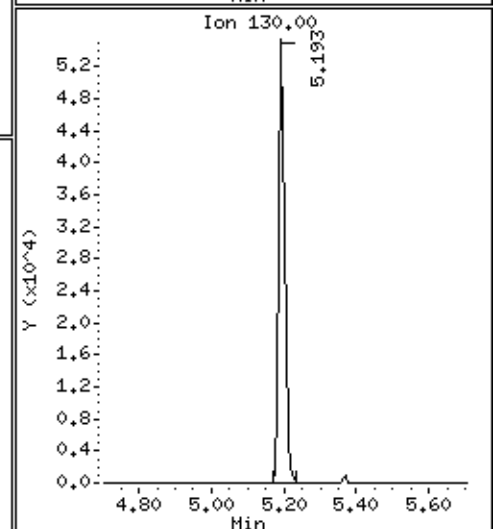
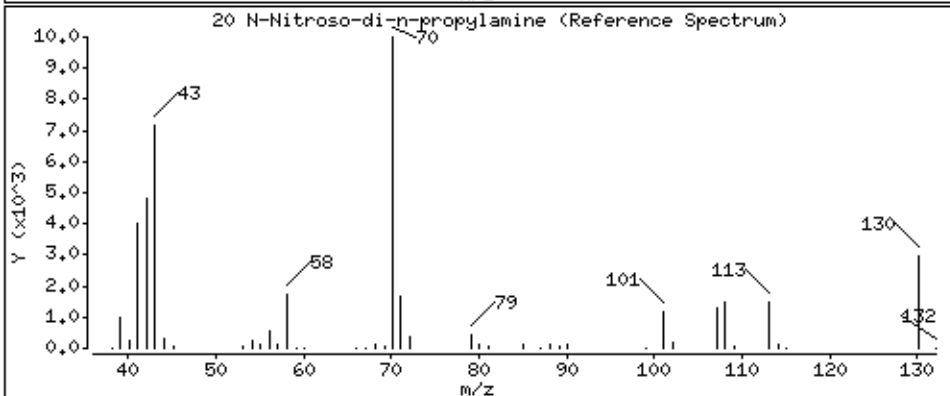
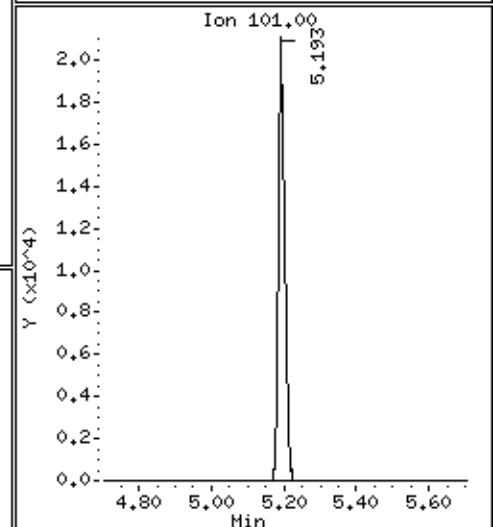
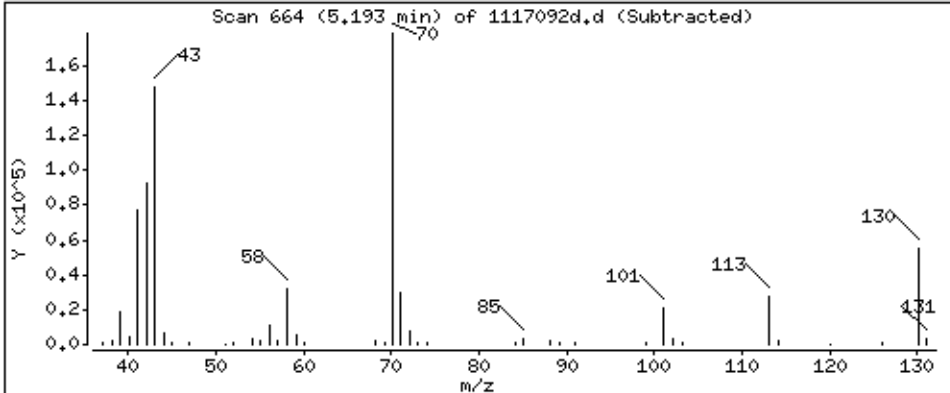
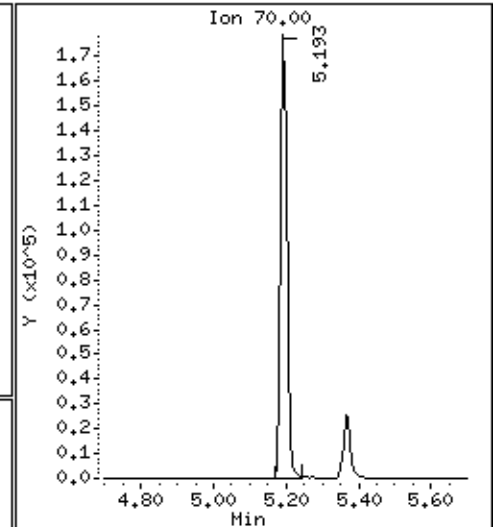
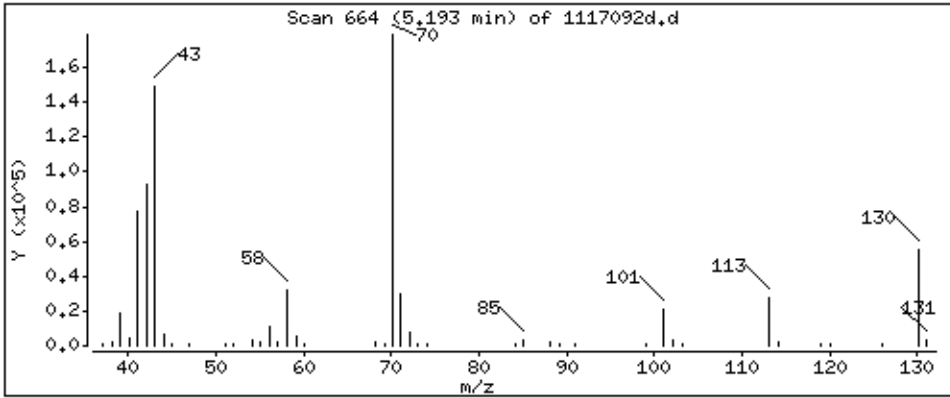
Operator: CEM

Column phase: .50um DB-5ms

Column diameter: 0,25

20 N-Nitroso-di-n-propylamine

Concentration: 2723 ug/Kg



Date : 27-JUN-2014 21:38

Client ID: THW-6(2-4)MSD

Instrument: 50MSS3.i

Sample Info: 1117092

Volume Injected (uL): 1.0

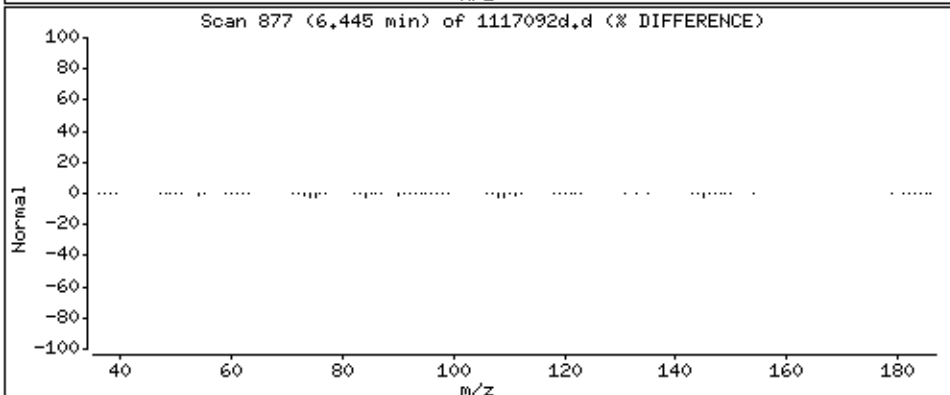
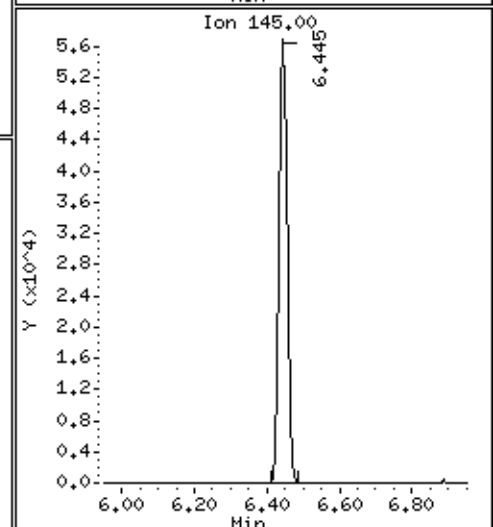
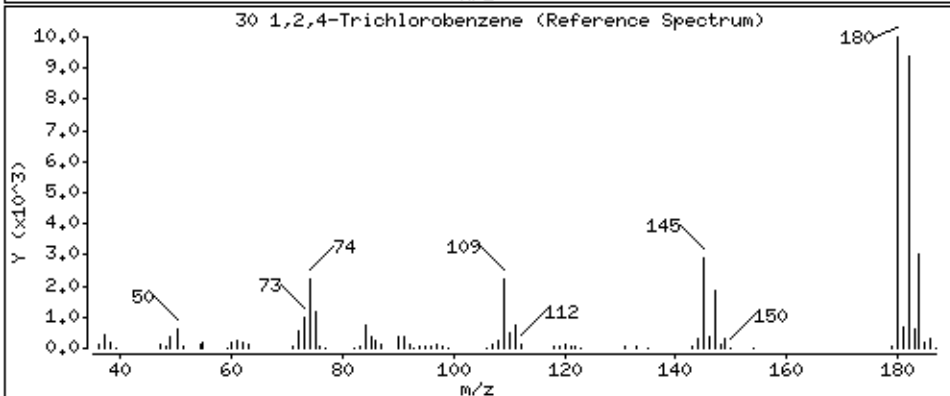
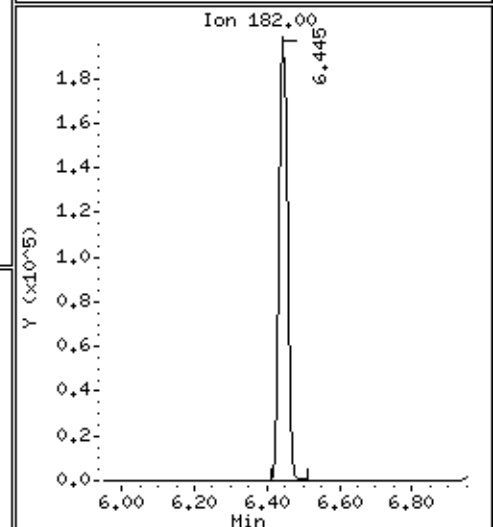
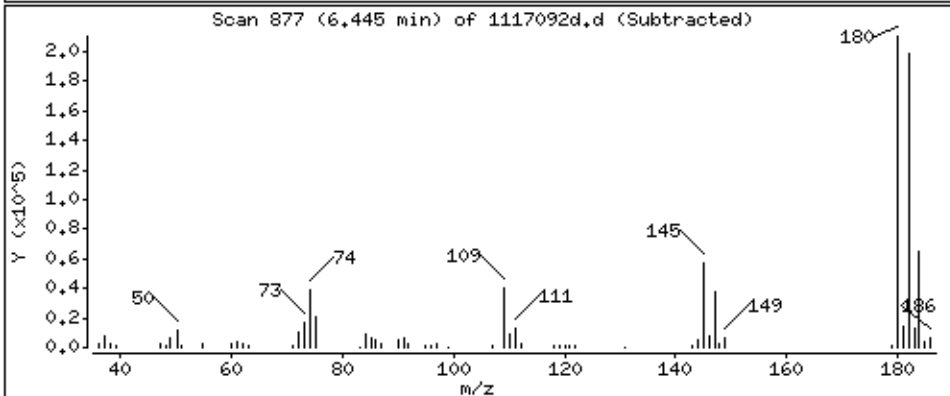
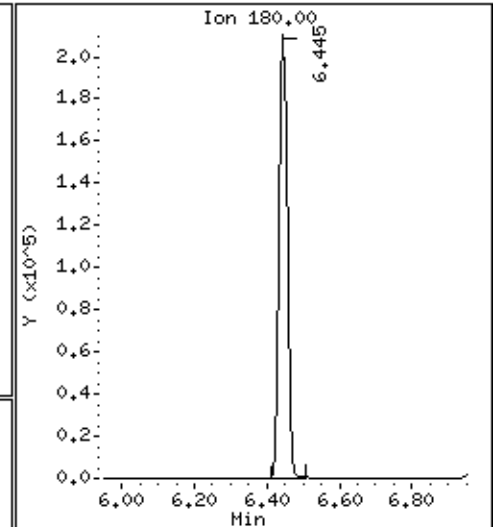
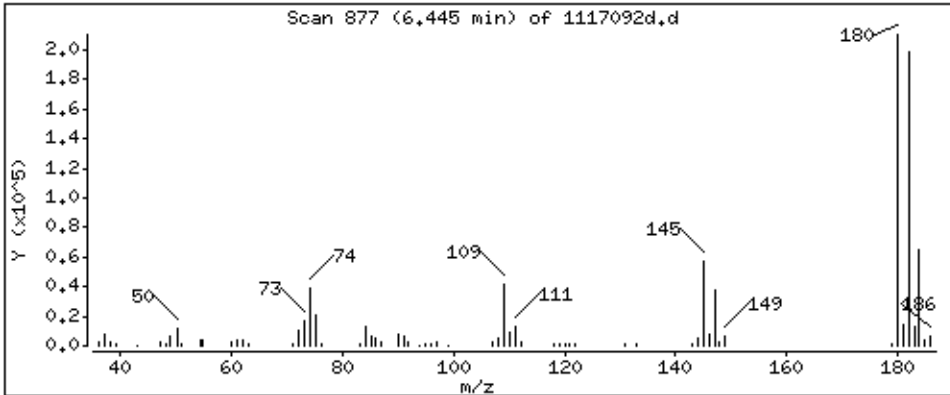
Operator: CEM

Column phase: .50um DB-5ms

Column diameter: 0,25

30 1,2,4-Trichlorobenzene

Concentration: 2730 ug/Kg



Date : 27-JUN-2014 21:38

Client ID: THW-6(2-4)MSD

Instrument: 50MSS3.i

Sample Info: 1117092

Volume Injected (uL): 1.0

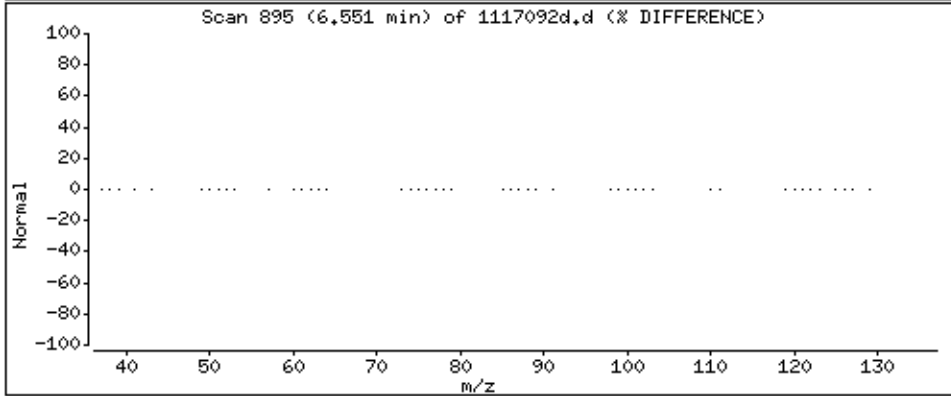
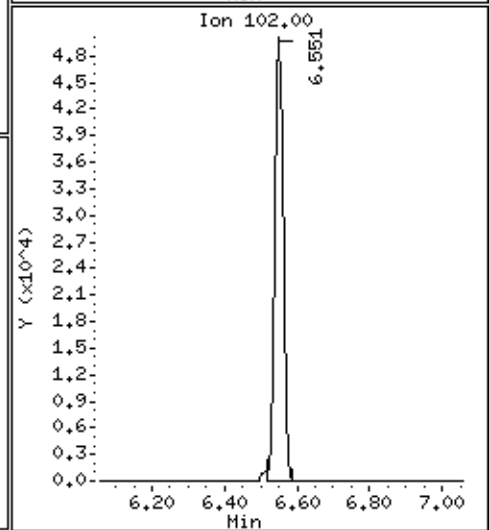
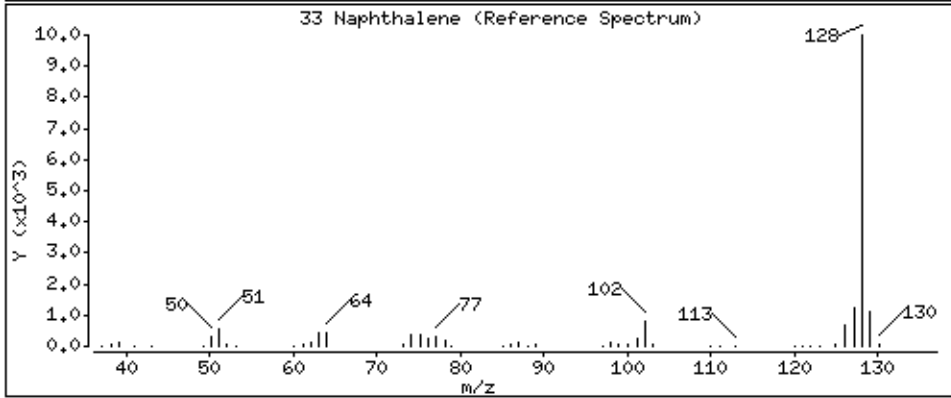
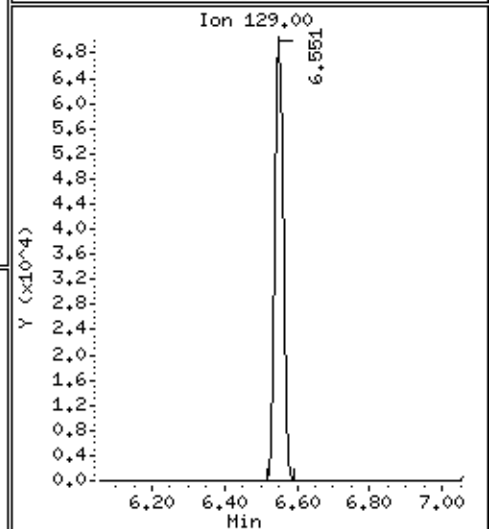
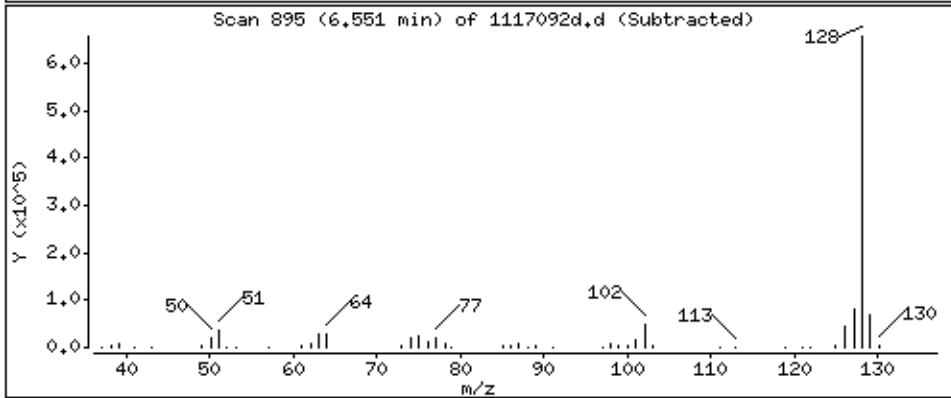
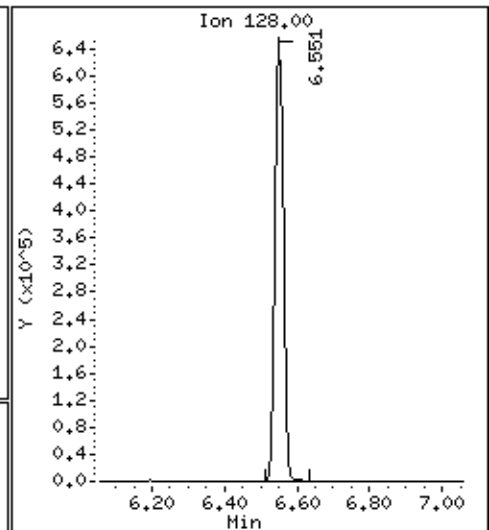
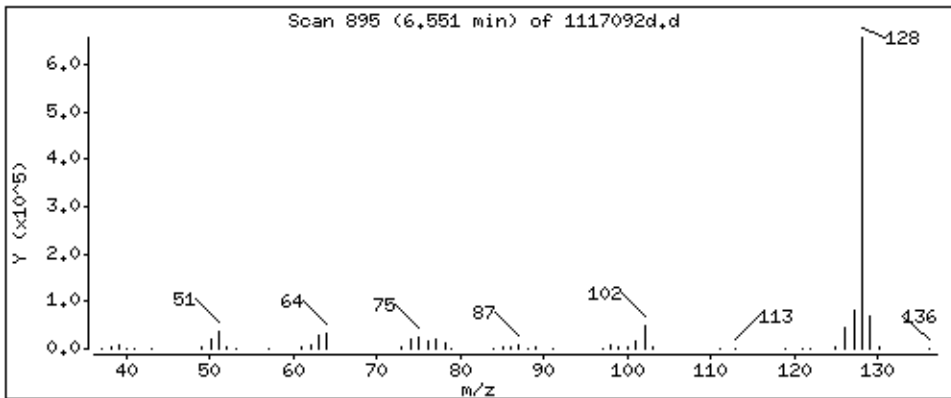
Operator: CEM

Column phase: .50um DB-5ms

Column diameter: 0,25

33 Naphthalene

Concentration: 2740 ug/Kg



Date : 27-JUN-2014 21:38

Client ID: THW-6(2-4)MSD

Instrument: 50MSS3.i

Sample Info: 1117092

Volume Injected (uL): 1.0

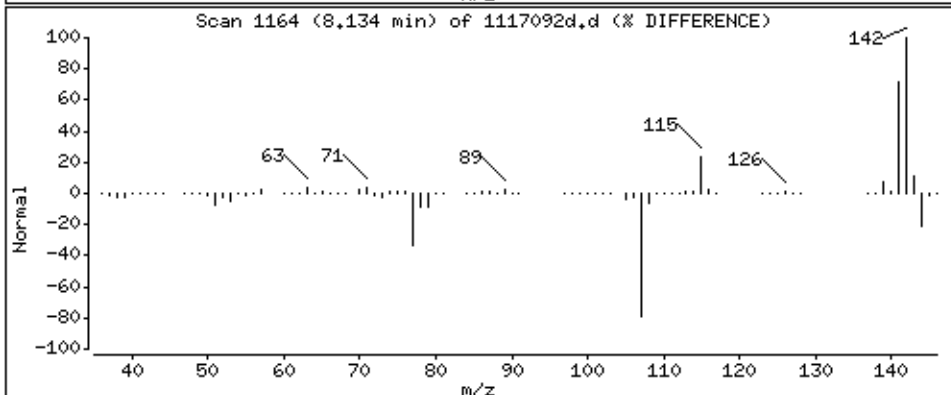
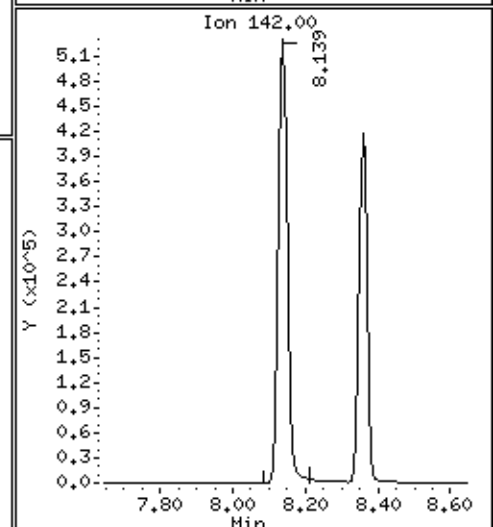
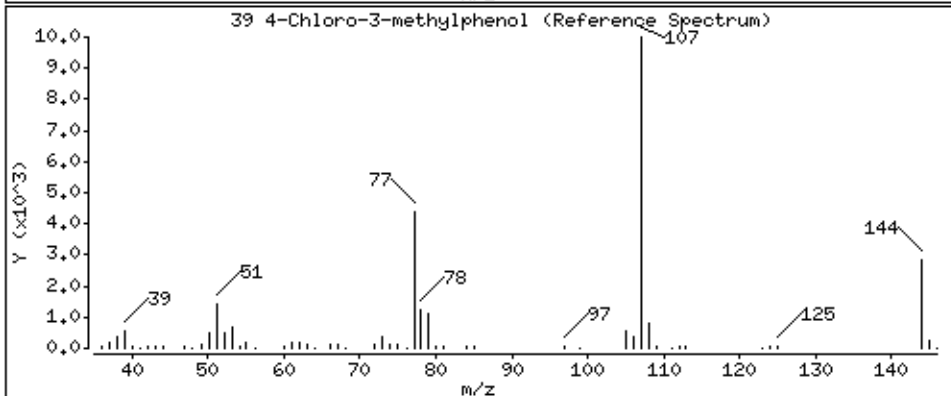
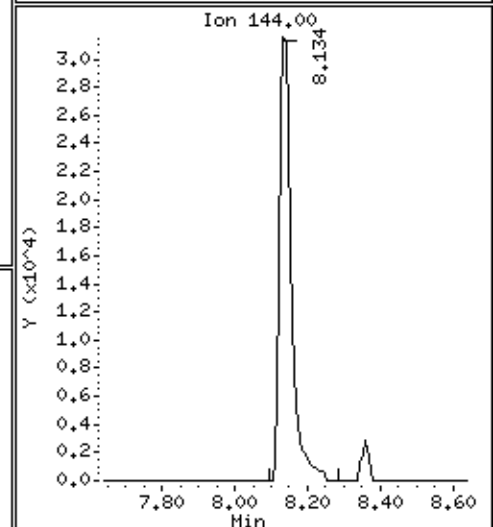
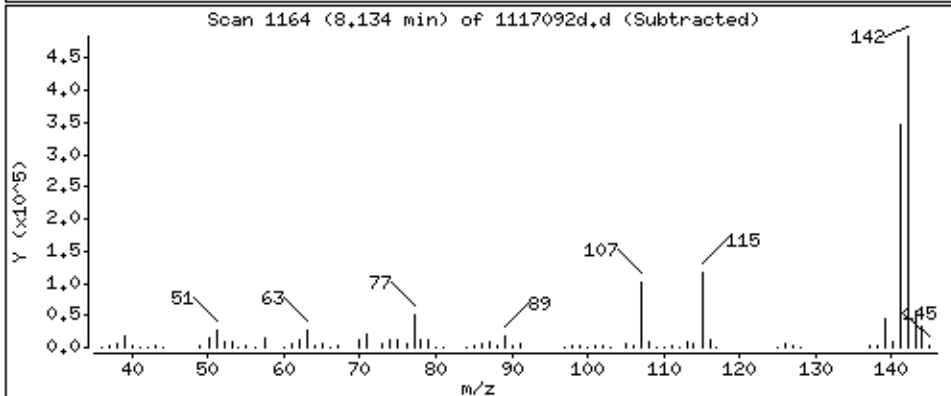
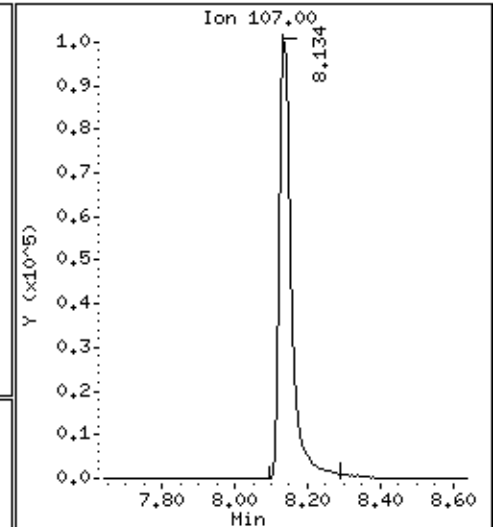
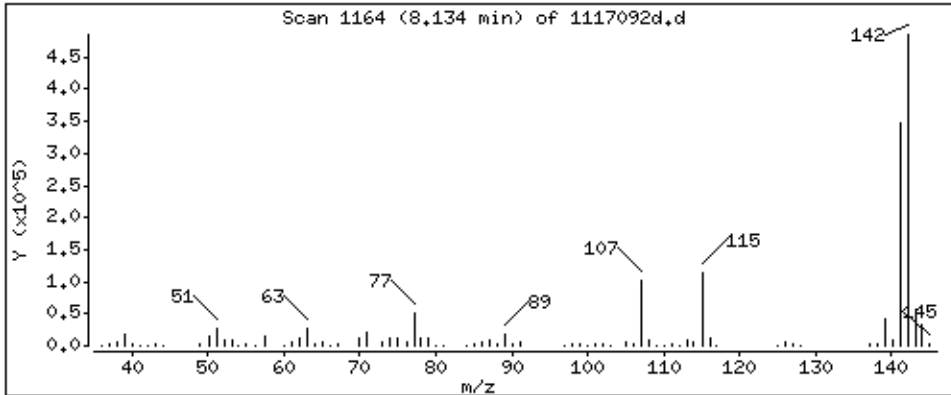
Operator: CEM

Column phase: .50um DB-5ms

Column diameter: 0,25

39 4-Chloro-3-methylphenol

Concentration: 2498 ug/Kg



Date : 27-JUN-2014 21:38

Client ID: THW-6(2-4)MSD

Instrument: 50MSS3.i

Sample Info: 1117092

Volume Injected (uL): 1.0

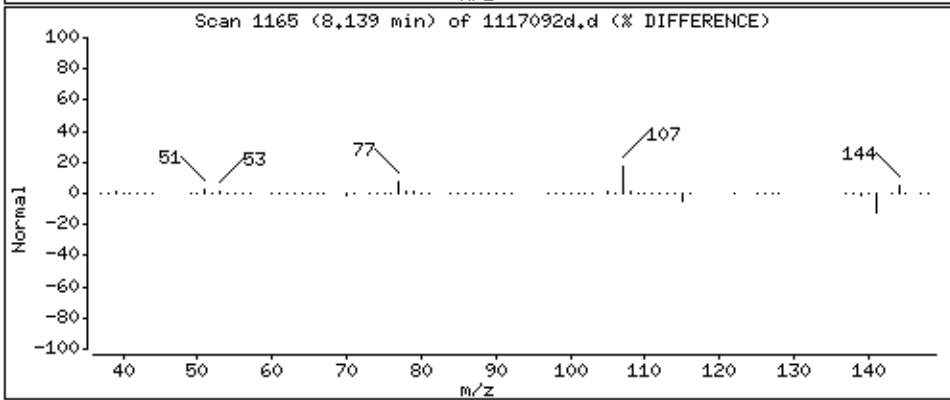
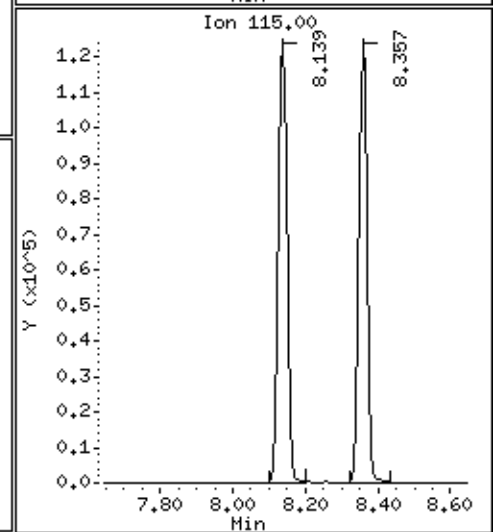
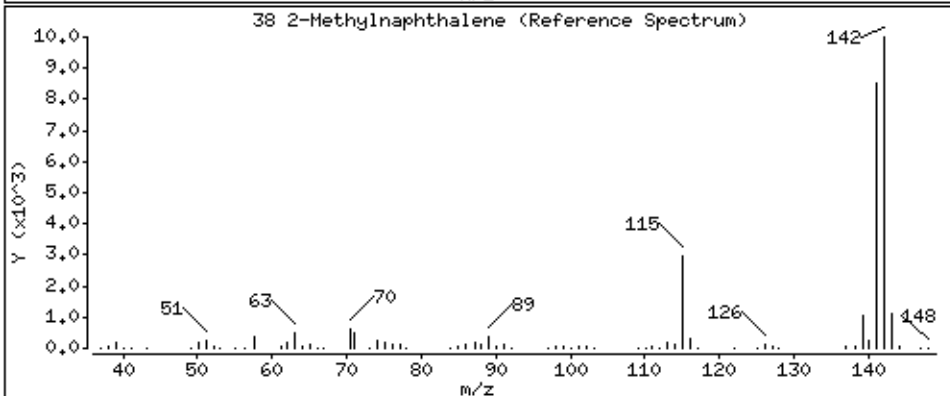
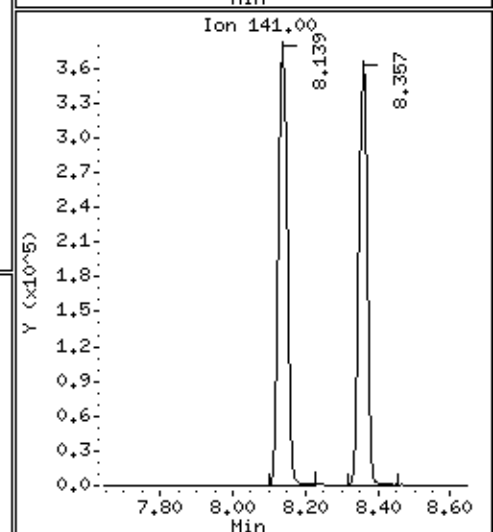
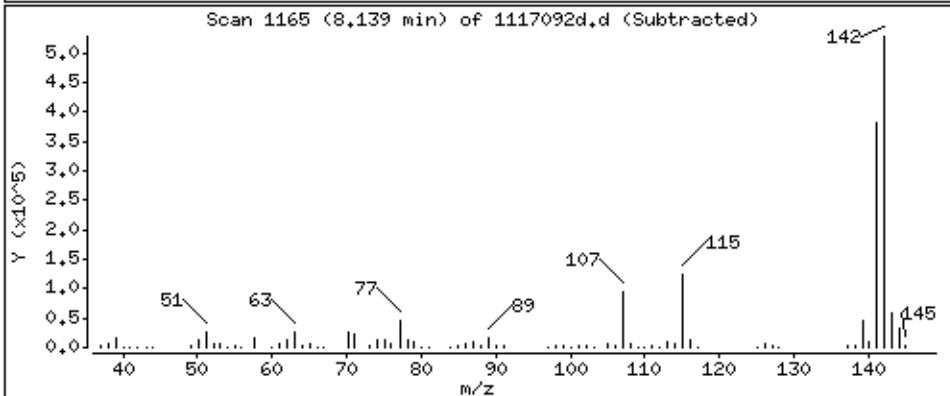
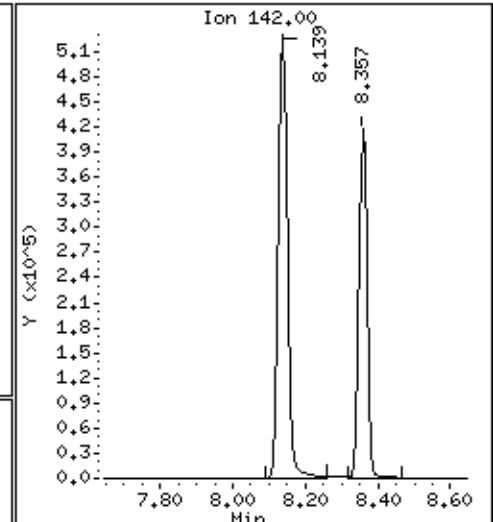
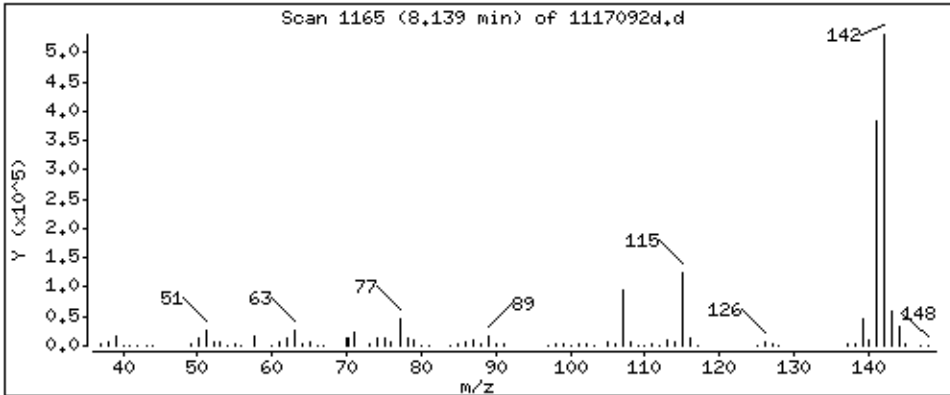
Operator: CEM

Column phase: .50um DB-5ms

Column diameter: 0,25

38 2-Methylnaphthalene

Concentration: 2680 ug/Kg



Date : 27-JUN-2014 21:38

Client ID: THW-6(2-4)MSD

Instrument: 50MSS3.i

Sample Info: 1117092

Volume Injected (uL): 1.0

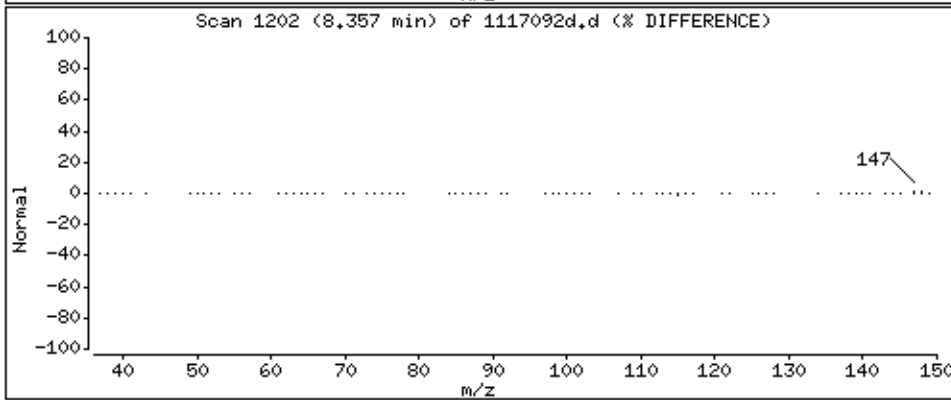
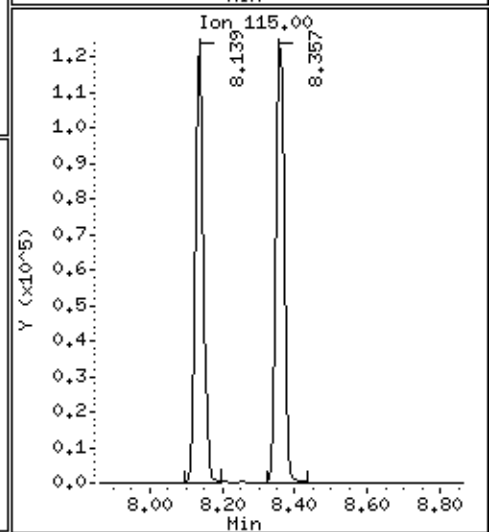
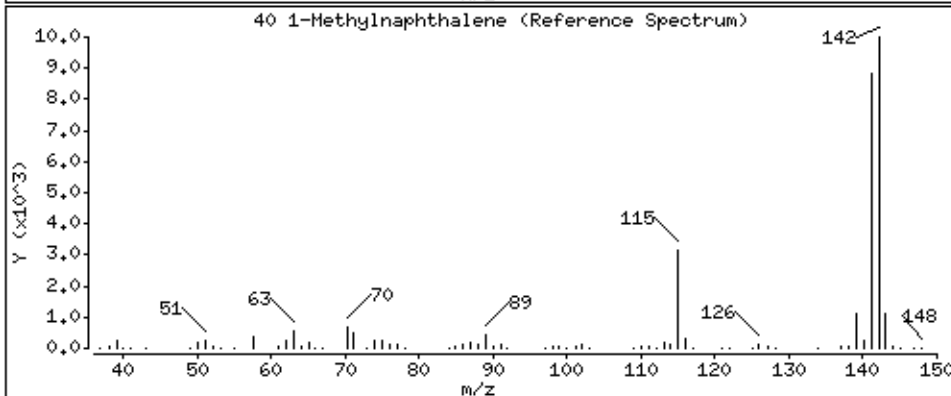
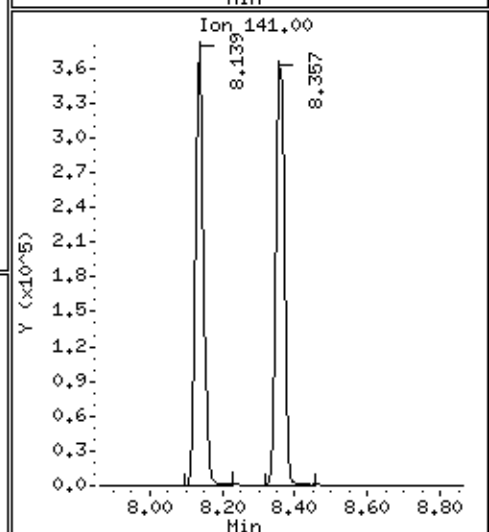
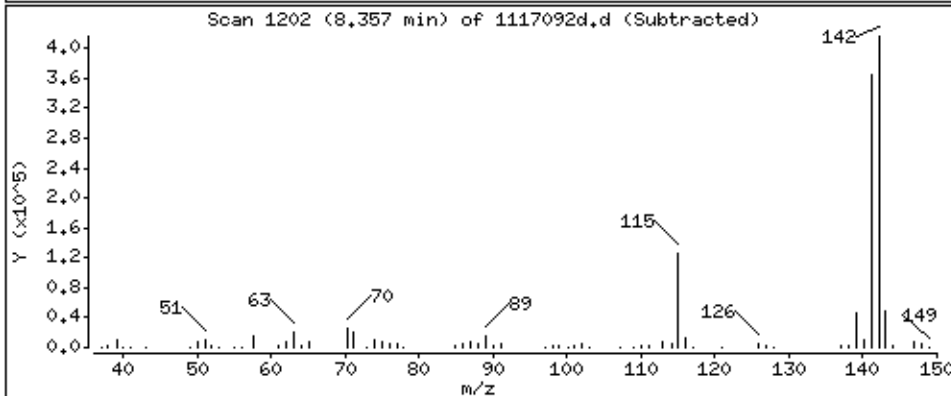
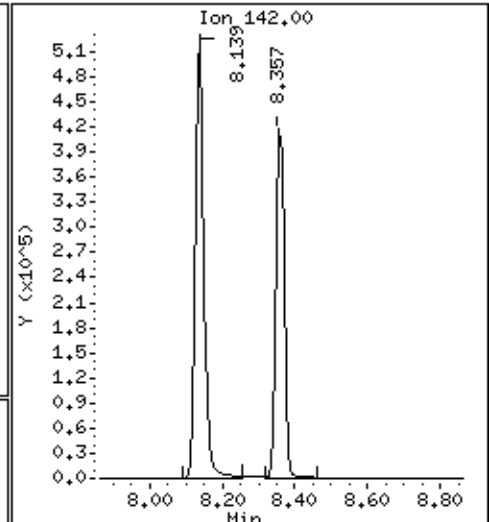
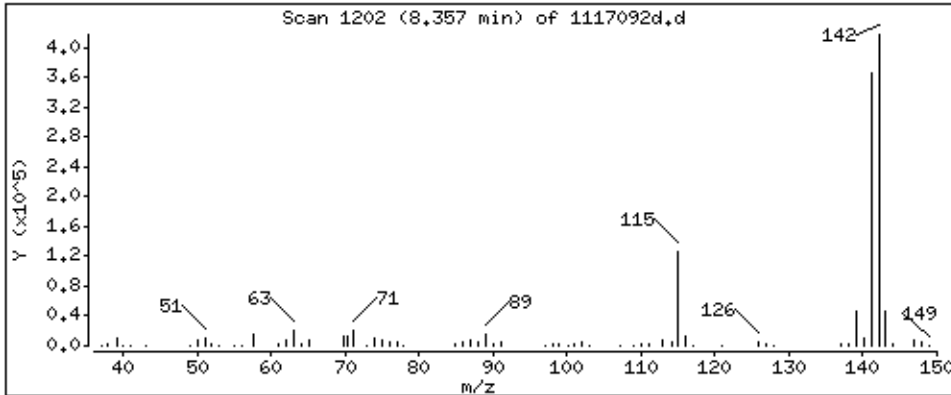
Operator: CEM

Column phase: .50um DB-5ms

Column diameter: 0,25

40 1-Methylnaphthalene

Concentration: 2498 ug/Kg



Date : 27-JUN-2014 21:38

Client ID: THW-6(2-4)MSD

Instrument: 50MSS3.i

Sample Info: 1117092

Volume Injected (uL): 1.0

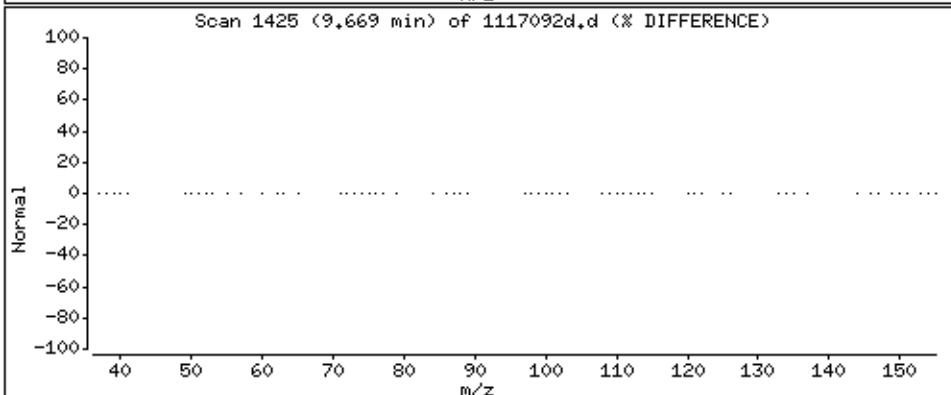
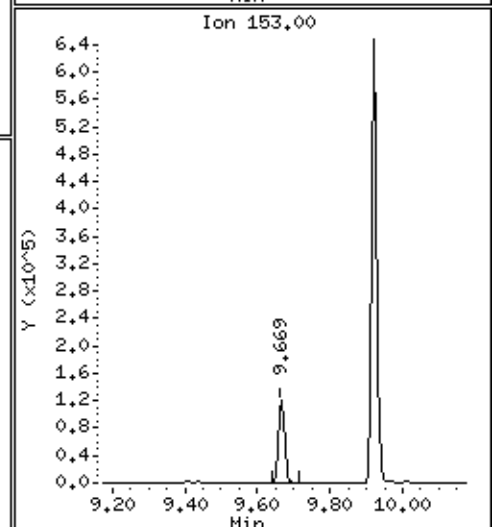
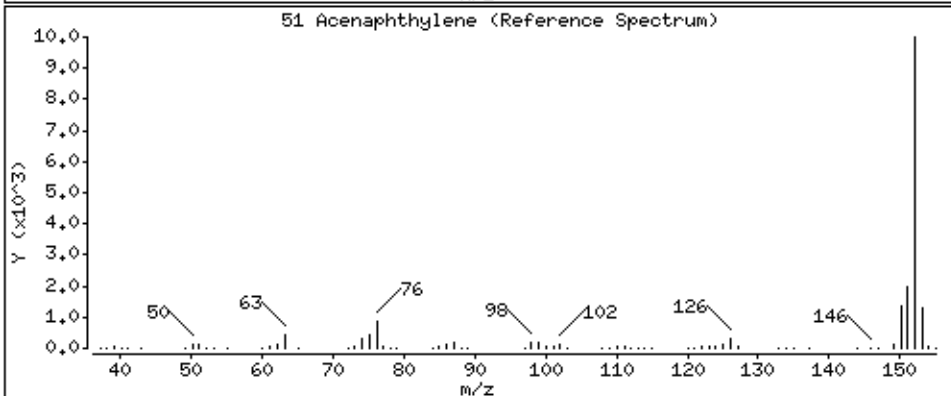
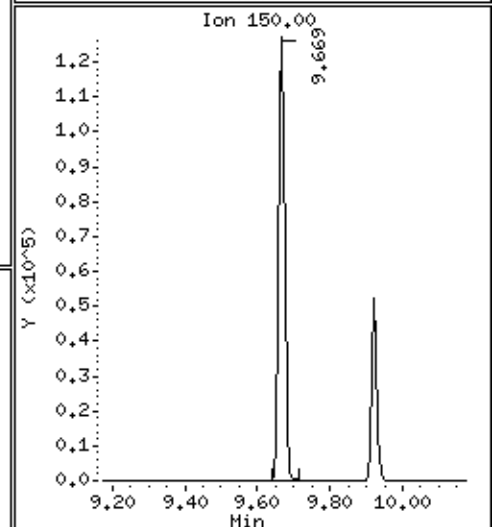
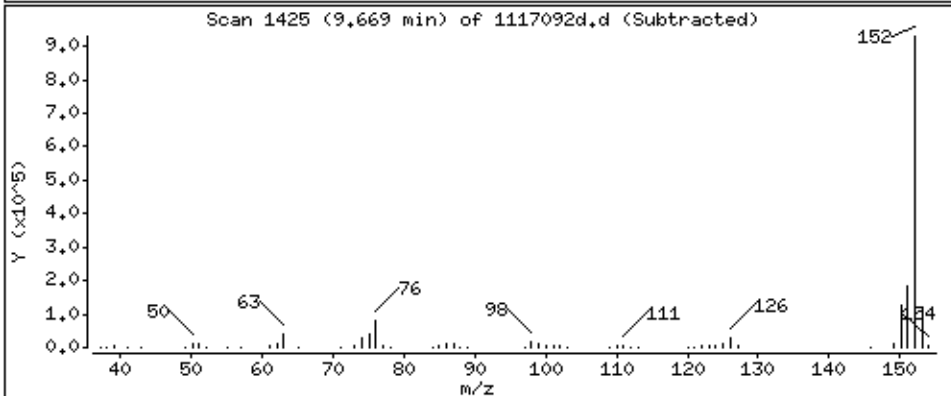
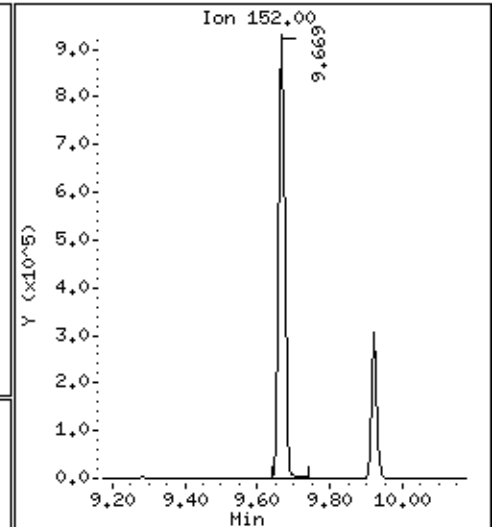
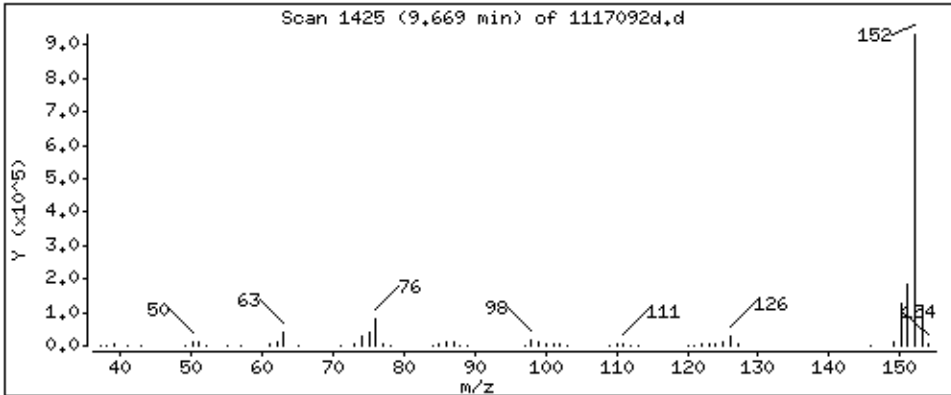
Operator: CEM

Column phase: .50um DB-5ms

Column diameter: 0,25

51 Acenaphthylene

Concentration: 2638 ug/Kg



Date : 27-JUN-2014 21:38

Client ID: THW-6(2-4)MSD

Instrument: 50MSS3.i

Sample Info: 1117092

Volume Injected (uL): 1.0

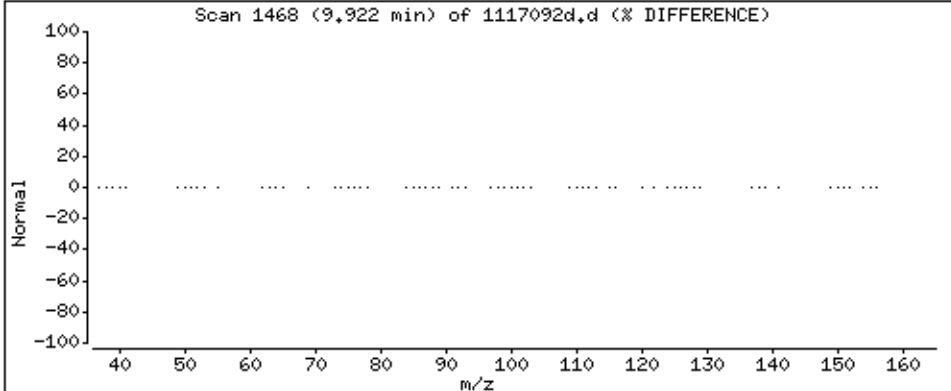
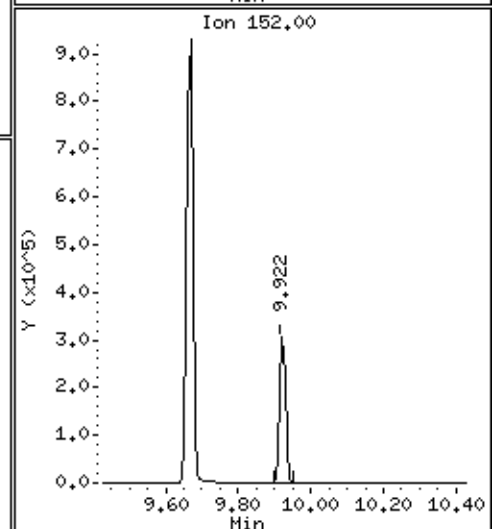
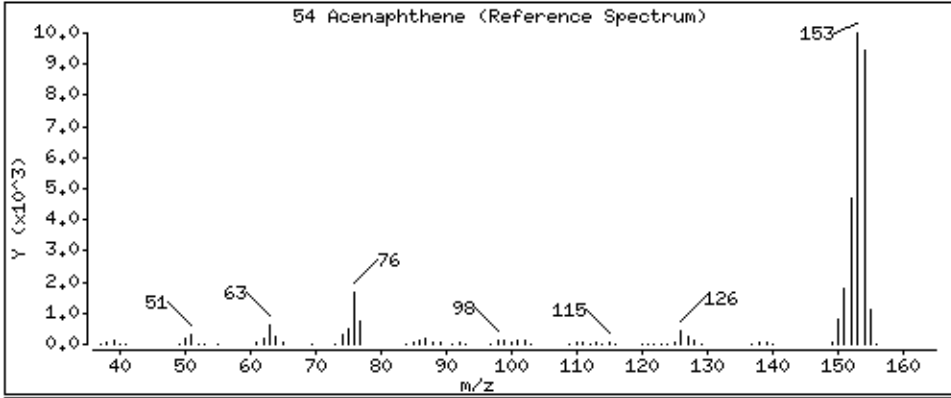
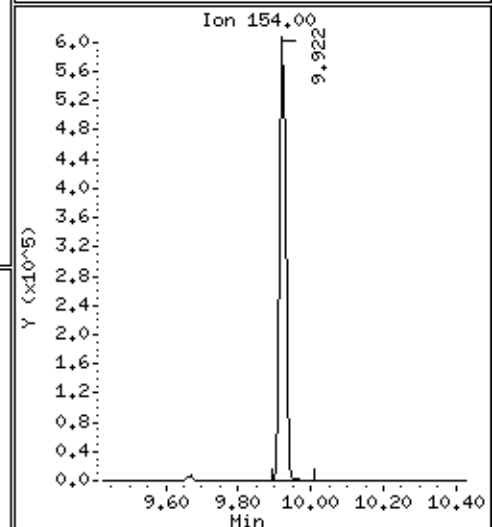
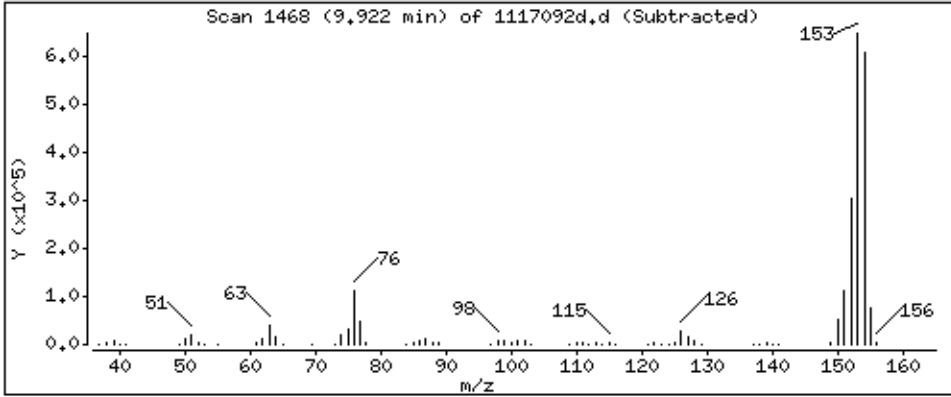
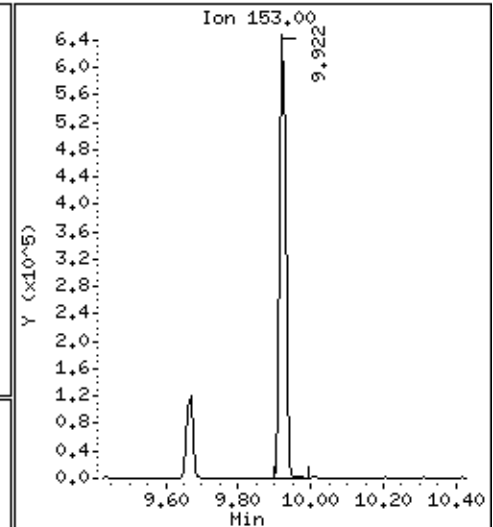
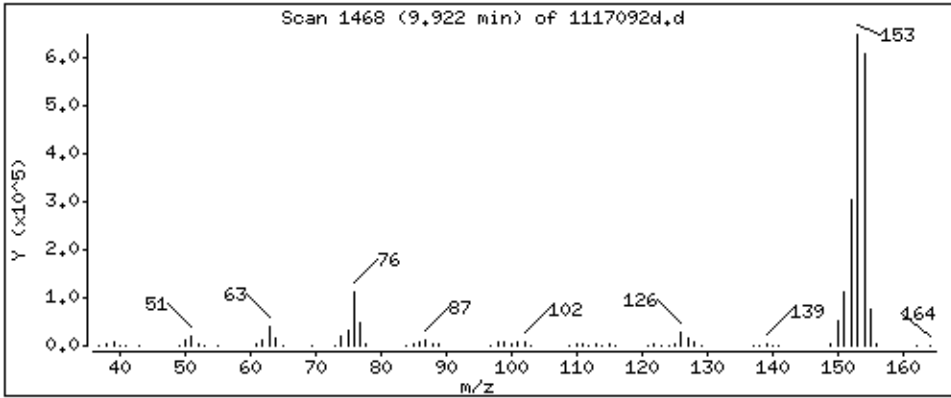
Operator: CEM

Column phase: .50um DB-5ms

Column diameter: 0,25

54 Acenaphthene

Concentration: 2745 ug/Kg



Date : 27-JUN-2014 21:38

Client ID: THW-6(2-4)MSD

Instrument: 50MSS3.i

Sample Info: 1117092

Volume Injected (uL): 1.0

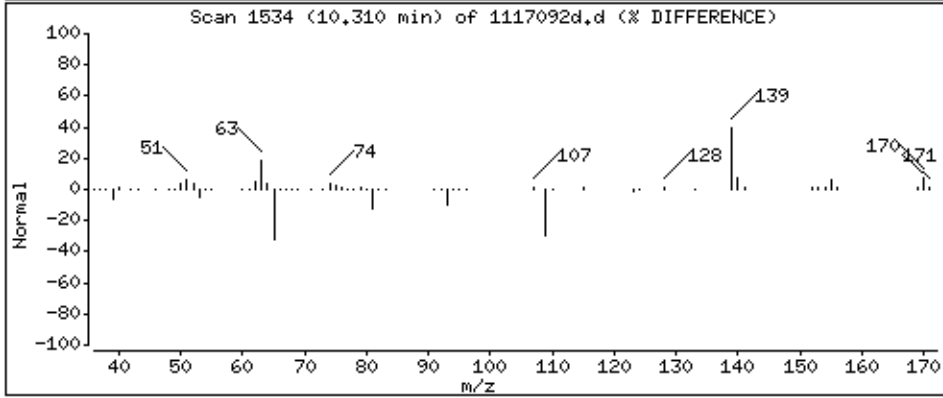
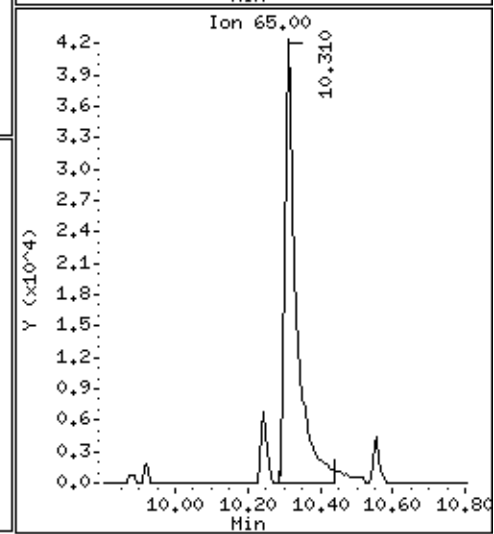
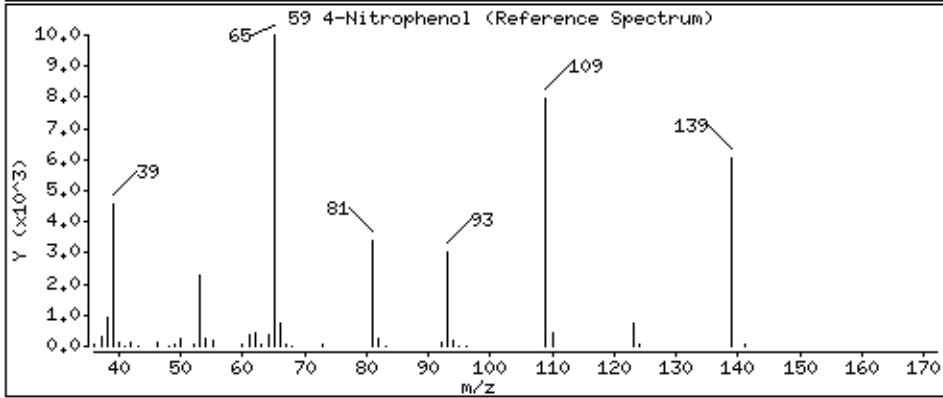
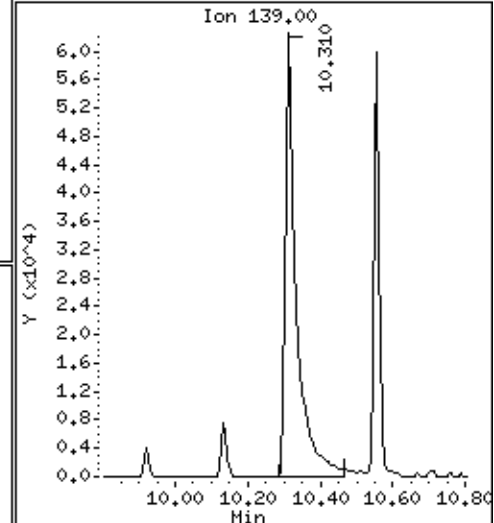
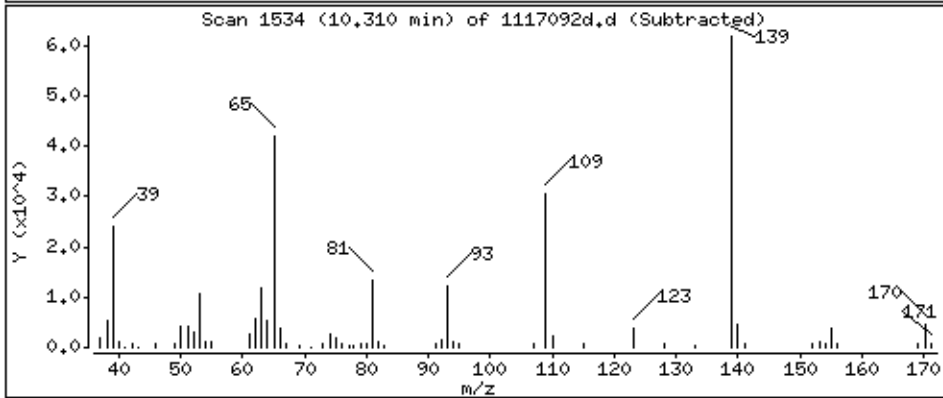
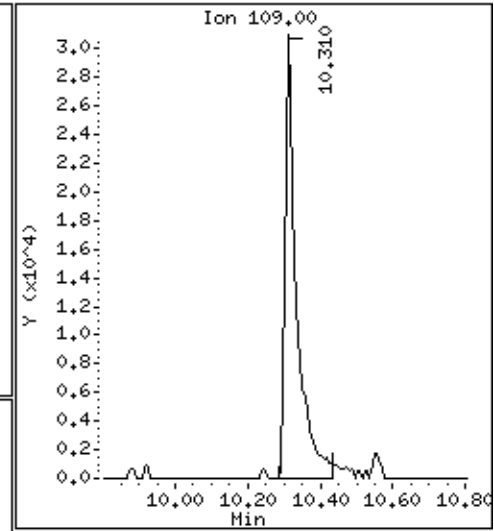
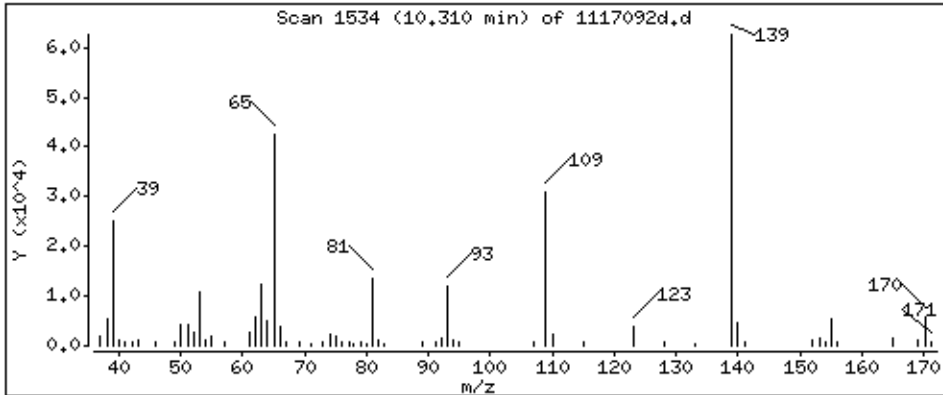
Operator: CEM

Column phase: .50um DB-5ms

Column diameter: 0,25

59 4-Nitrophenol

Concentration: 2405 ug/Kg



Date : 27-JUN-2014 21:38

Client ID: THW-6(2-4)MSD

Instrument: 50MSS3.i

Sample Info: 1117092

Volume Injected (uL): 1.0

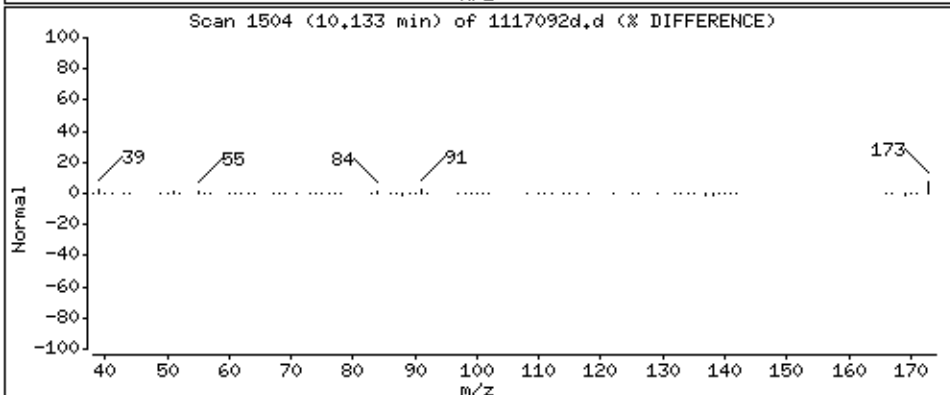
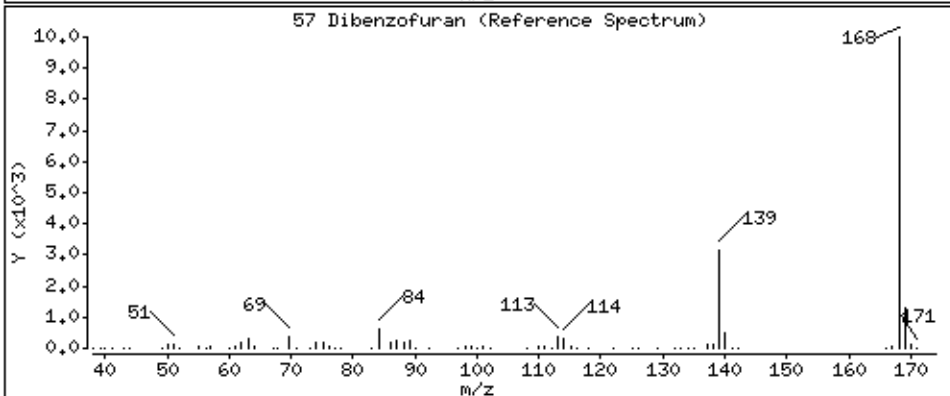
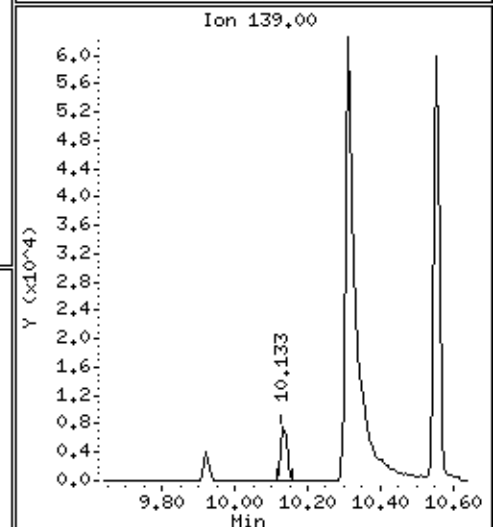
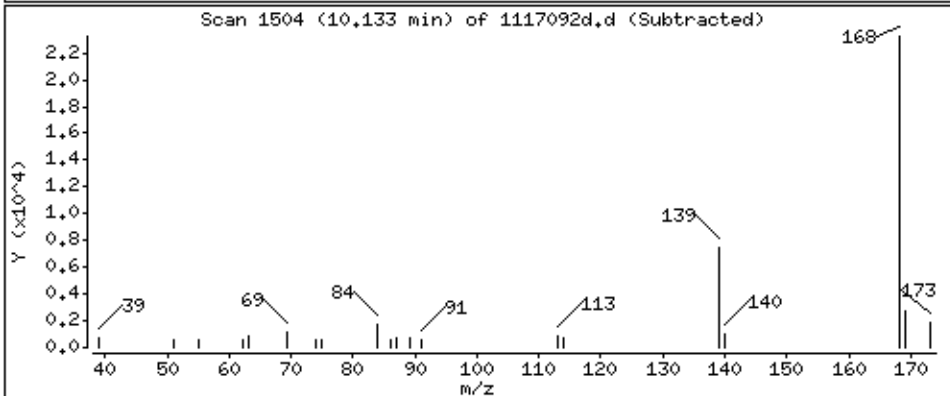
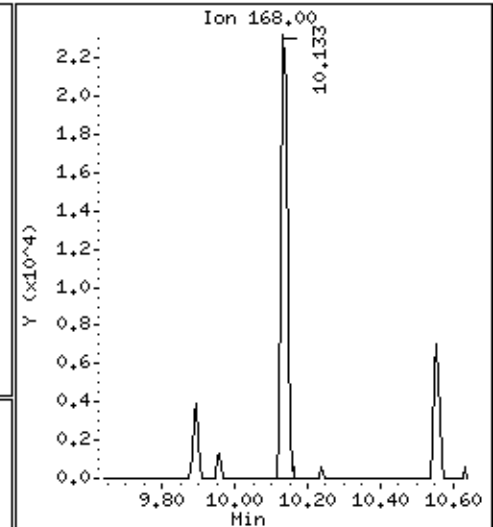
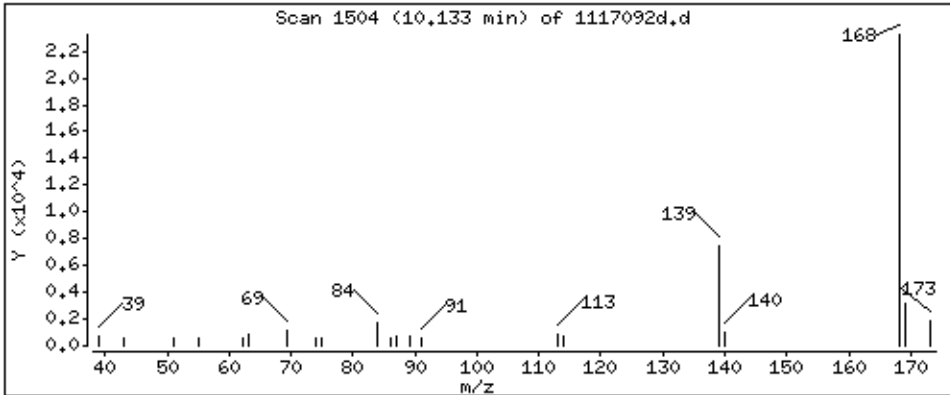
Operator: CEM

Column phase: .50um DB-5ms

Column diameter: 0,25

57 Dibenzofuran

Concentration: 71.31 ug/Kg



Date : 27-JUN-2014 21:38

Client ID: THW-6(2-4)MSD

Instrument: 50MSS3.i

Sample Info: 1117092

Volume Injected (uL): 1.0

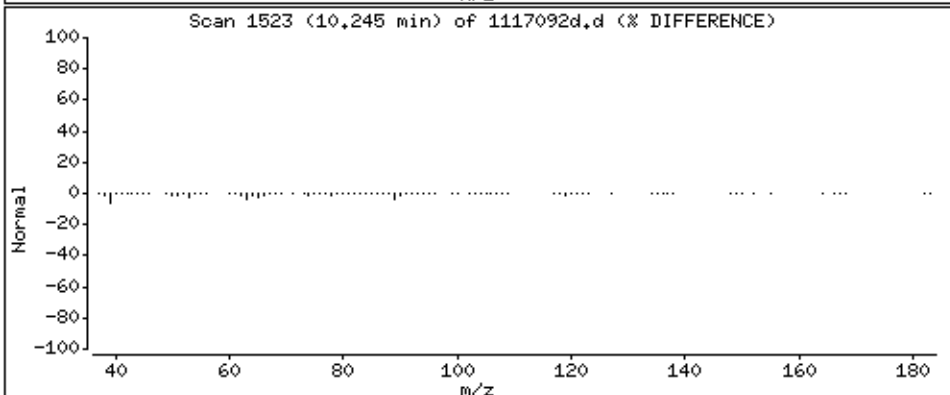
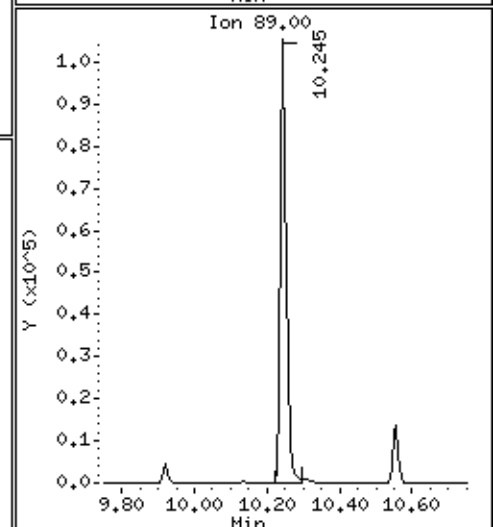
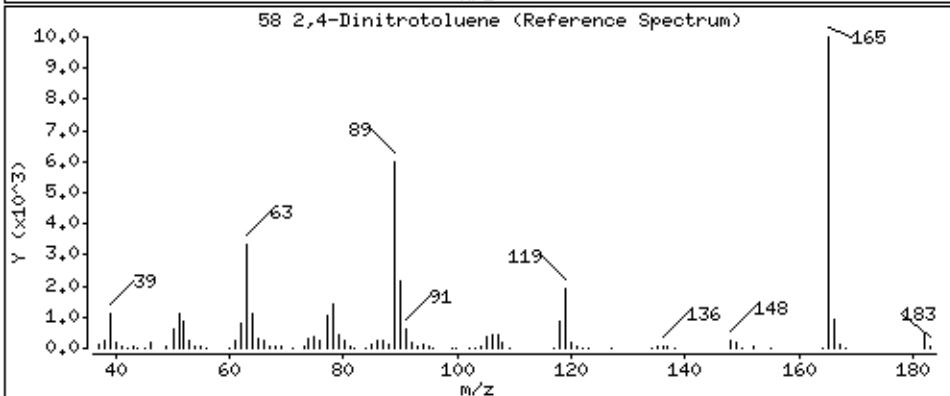
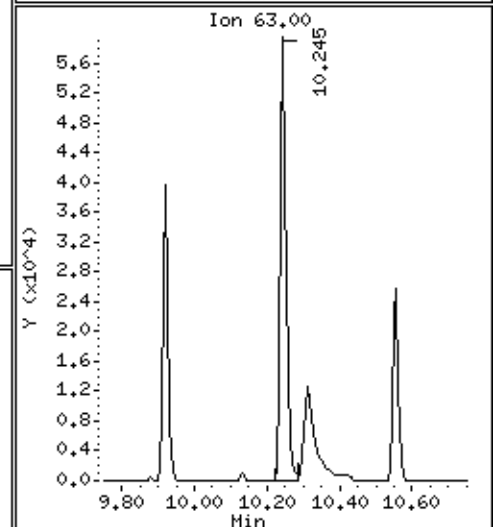
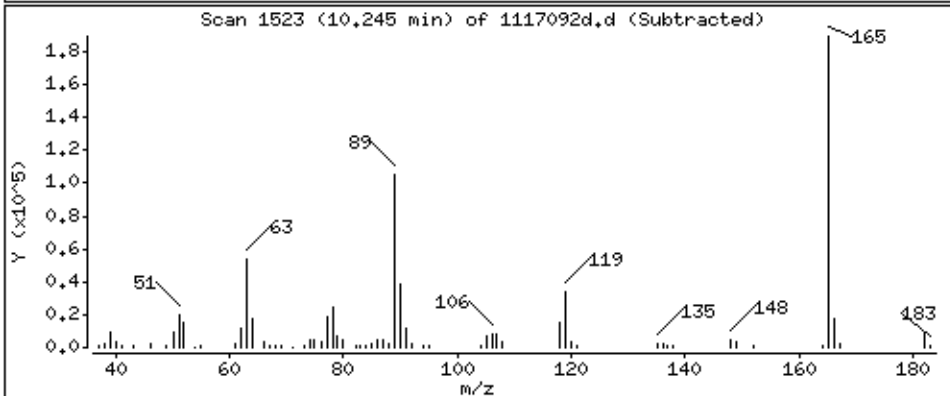
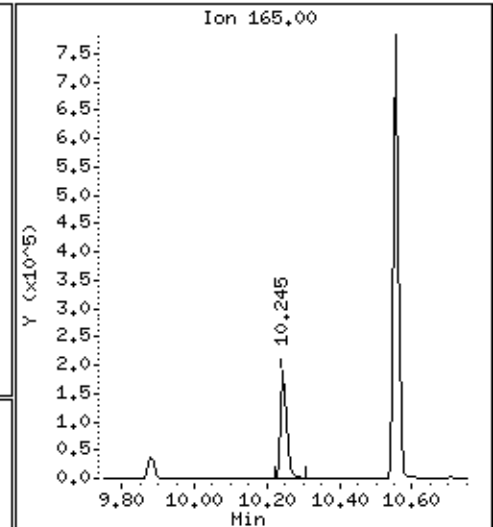
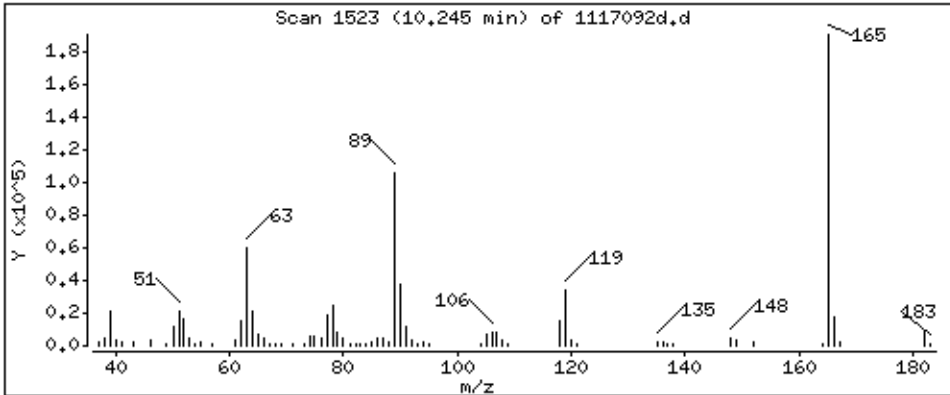
Operator: CEM

Column phase: .50um DB-5ms

Column diameter: 0,25

58 2,4-Dinitrotoluene

Concentration: 2583 ug/Kg



Date : 27-JUN-2014 21:38

Client ID: THW-6(2-4)MSD

Instrument: 50MSS3.i

Sample Info: 1117092

Volume Injected (uL): 1.0

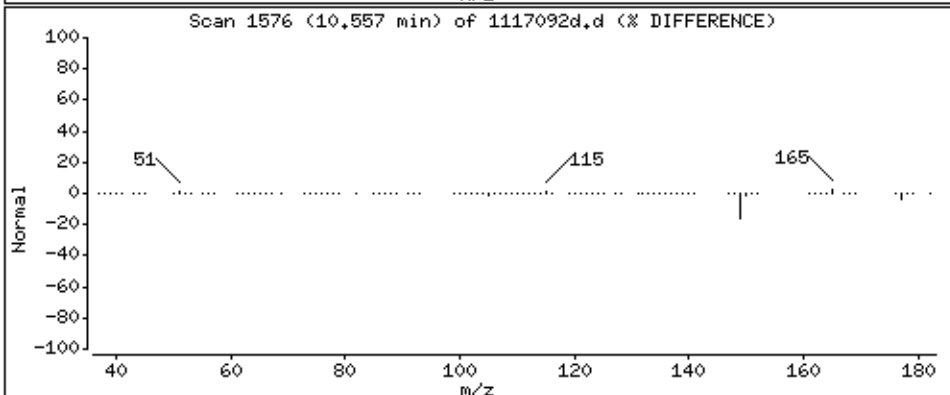
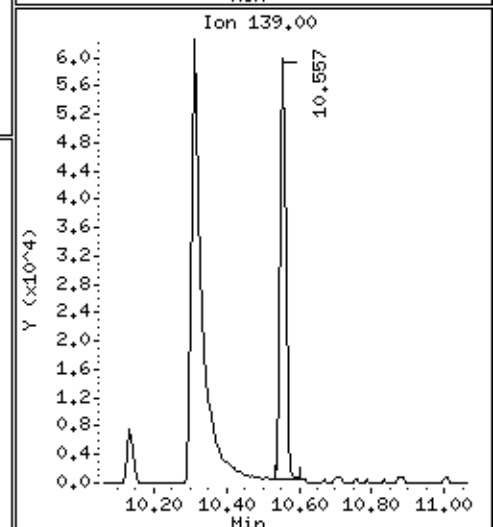
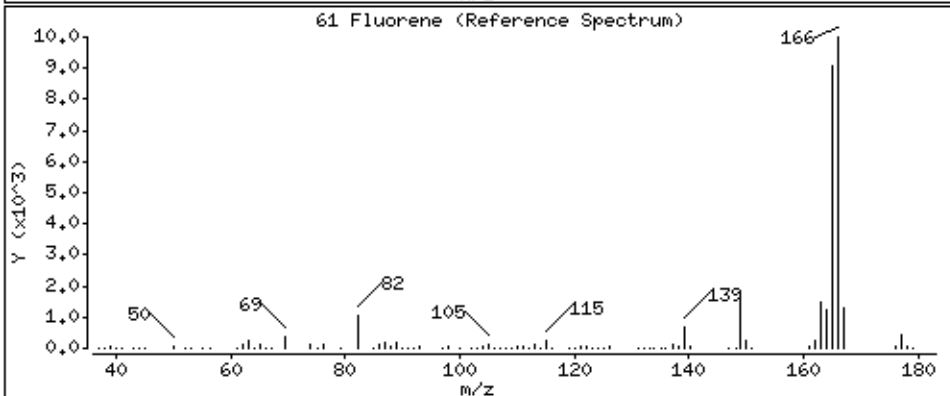
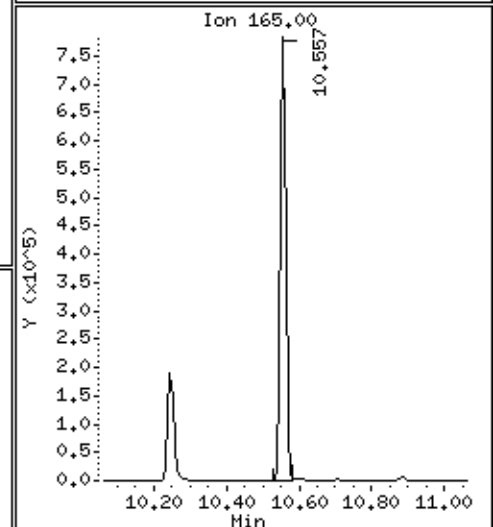
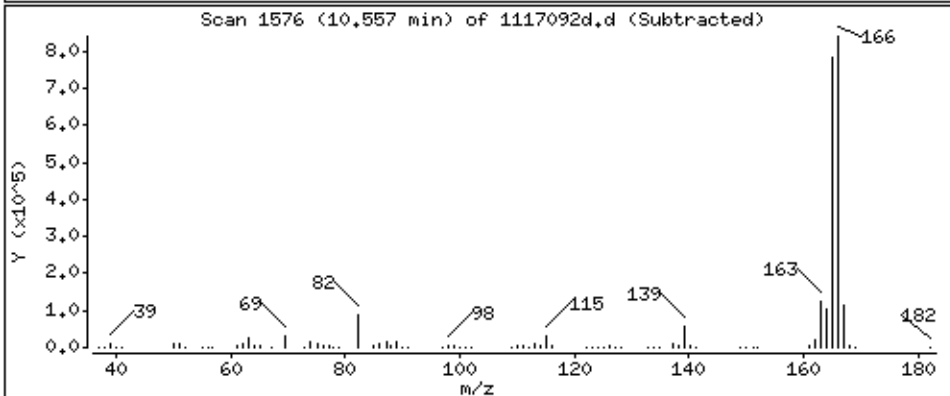
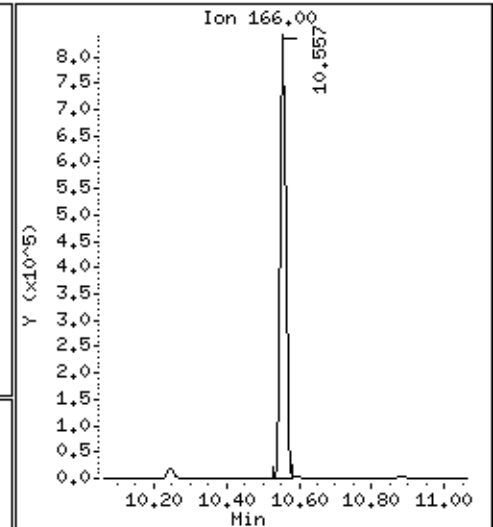
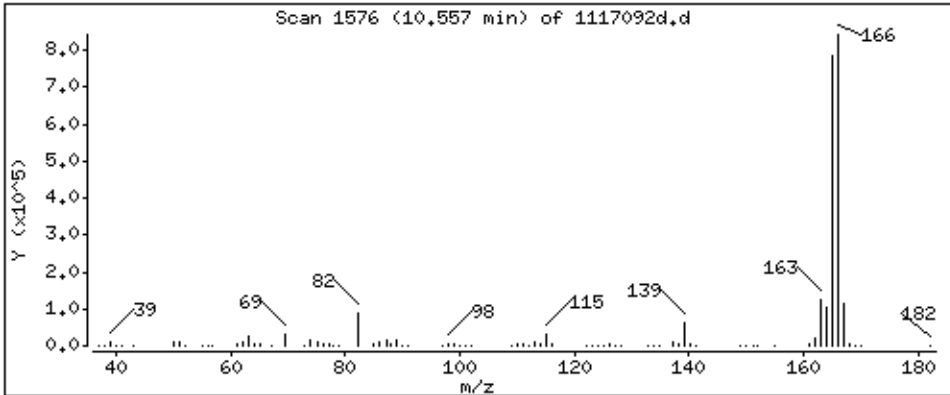
Operator: CEM

Column phase: .50um DB-5ms

Column diameter: 0,25

61 Fluorene

Concentration: 2968 ug/Kg



Date : 27-JUN-2014 21:38

Client ID: THW-6(2-4)MSD

Instrument: 50MSS3.i

Sample Info: 1117092

Volume Injected (uL): 1.0

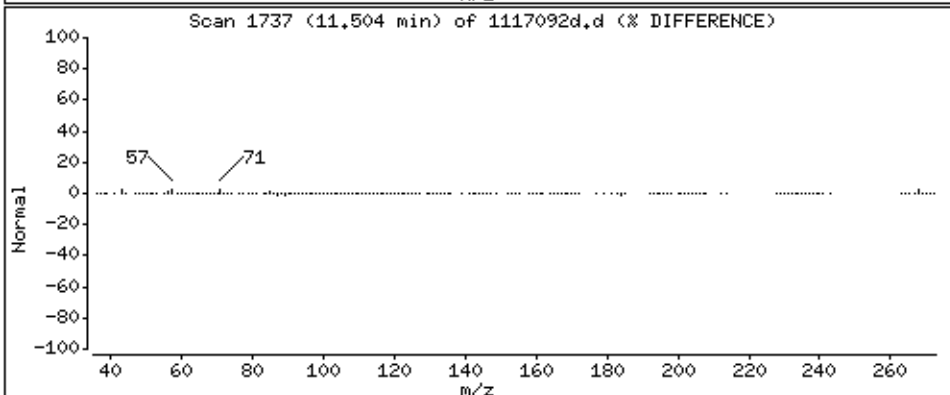
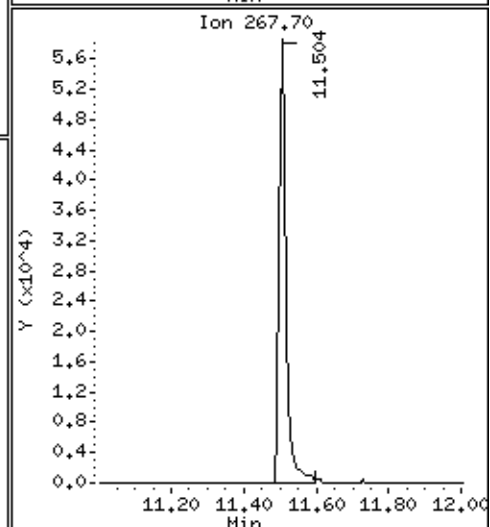
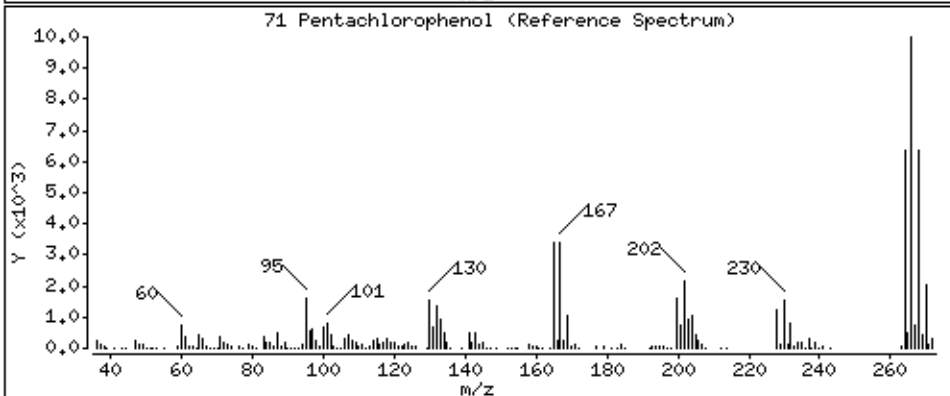
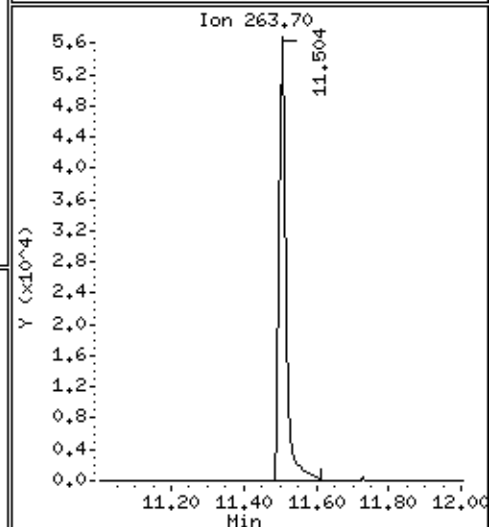
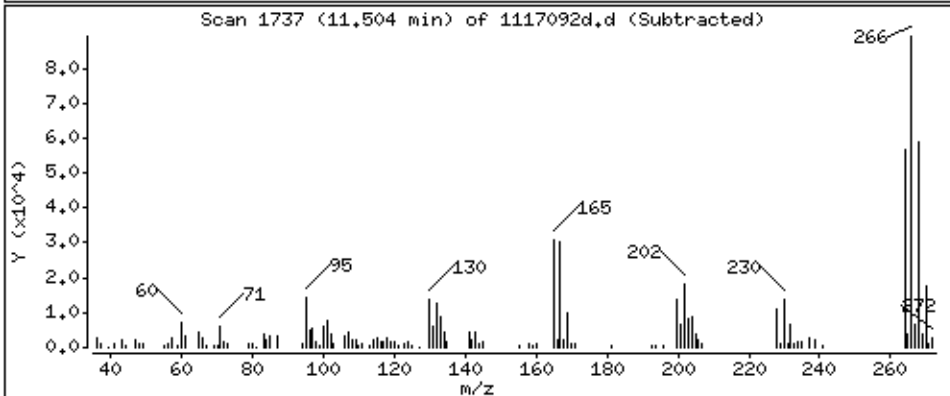
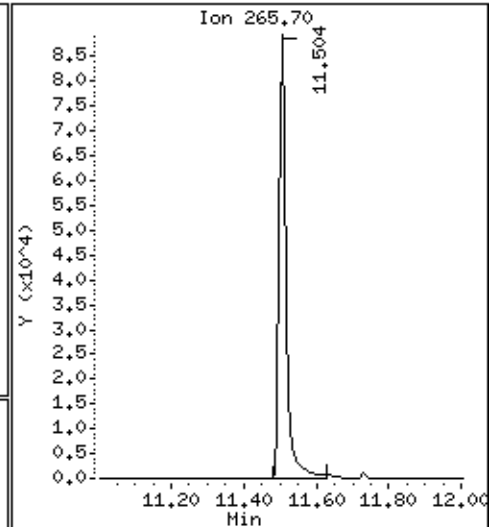
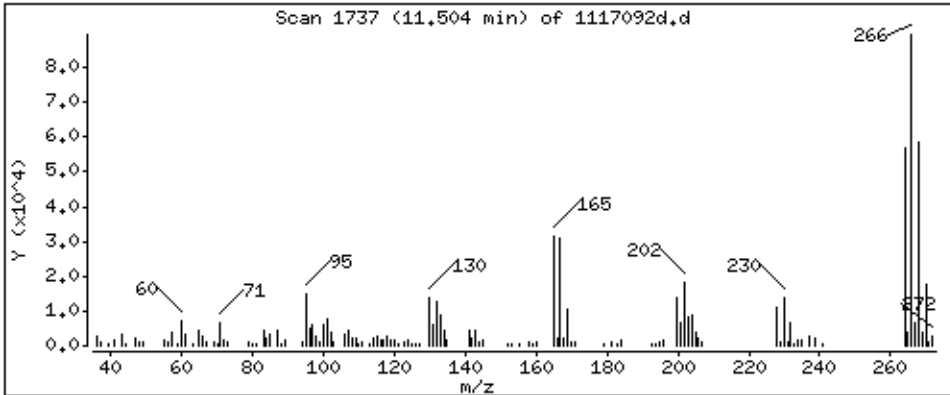
Operator: CEM

Column phase: .50um DB-5ms

Column diameter: 0,25

71 Pentachlorophenol

Concentration: 1937 ug/Kg



Date : 27-JUN-2014 21:38

Client ID: THW-6(2-4)MSD

Instrument: 50MSS3.i

Sample Info: 1117092

Volume Injected (uL): 1.0

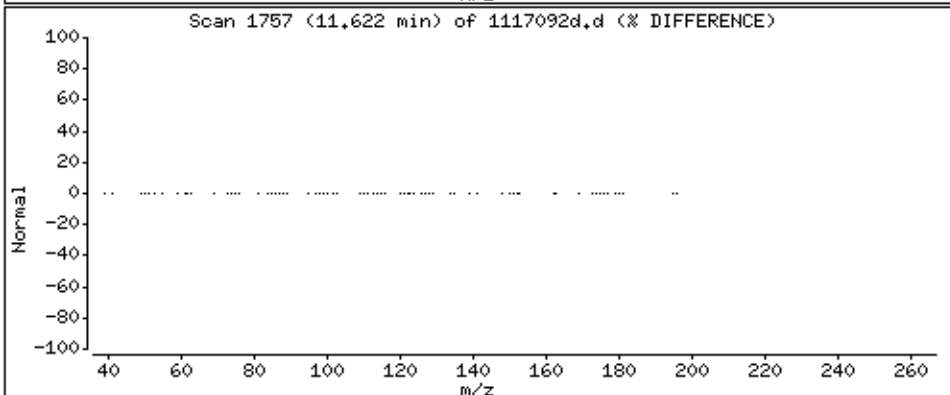
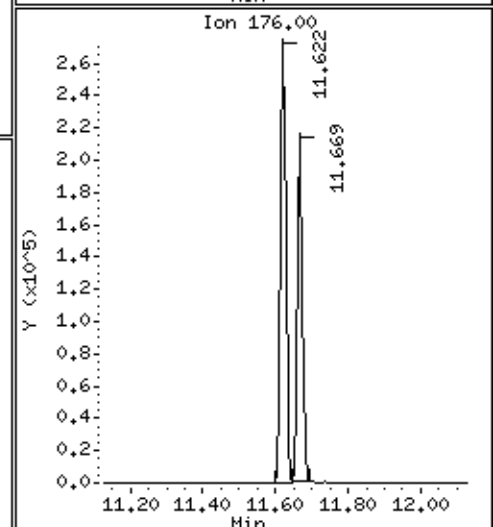
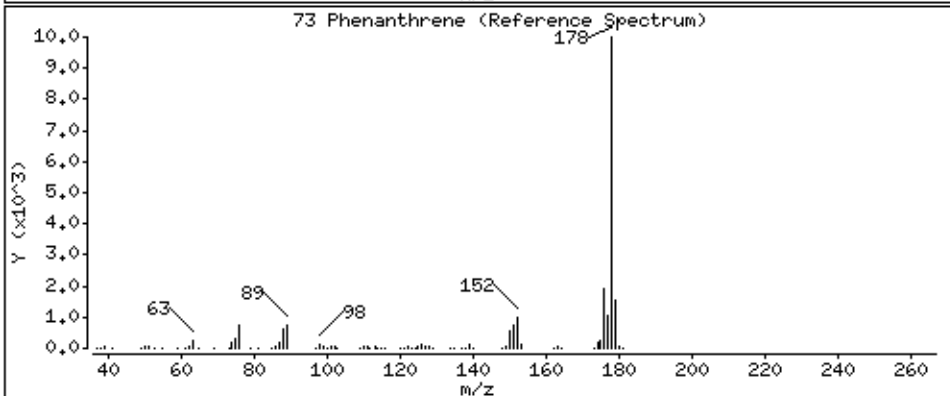
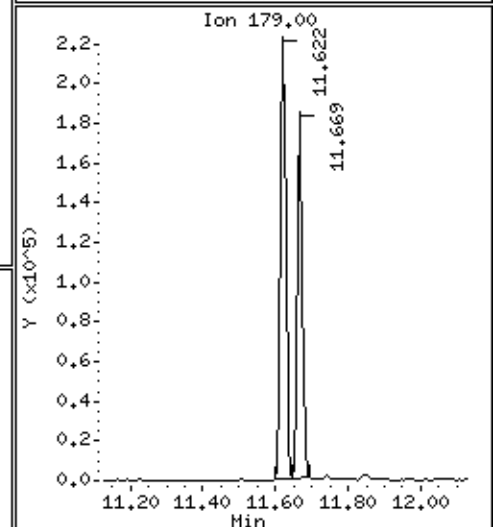
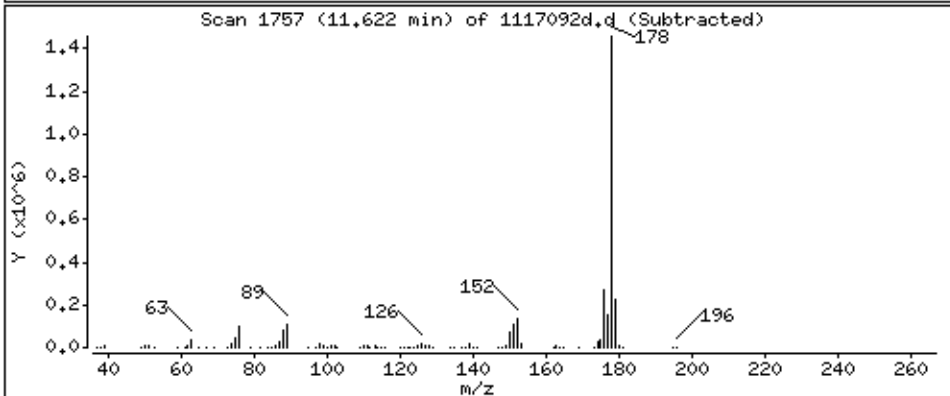
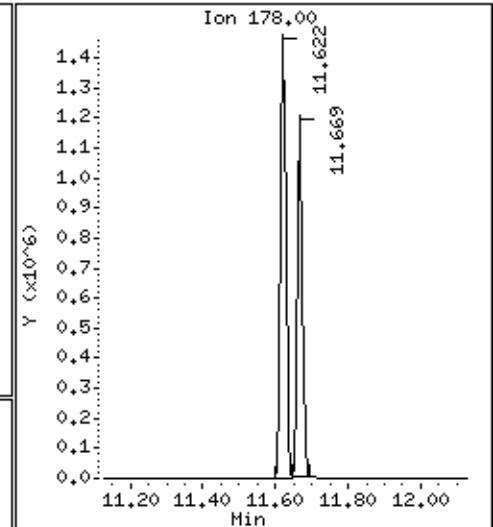
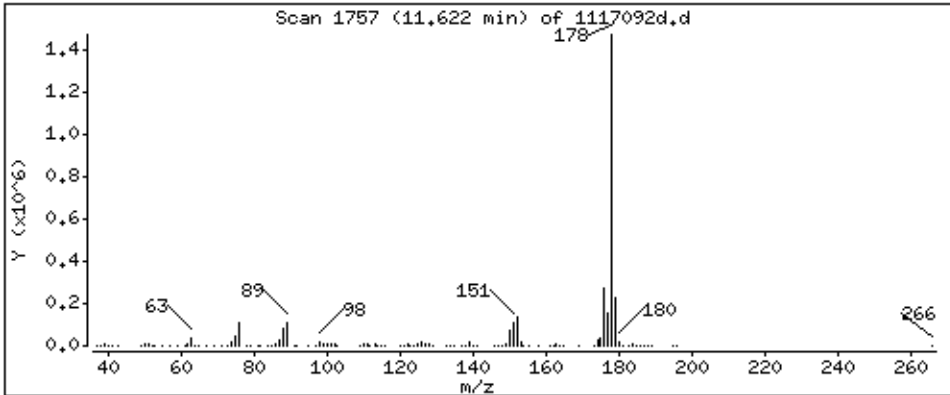
Operator: CEM

Column phase: .50um DB-5ms

Column diameter: 0,25

73 Phenanthrene

Concentration: 3313 ug/Kg



Date : 27-JUN-2014 21:38

Client ID: THW-6(2-4)MSD

Instrument: 50MSS3.i

Sample Info: 1117092

Volume Injected (uL): 1.0

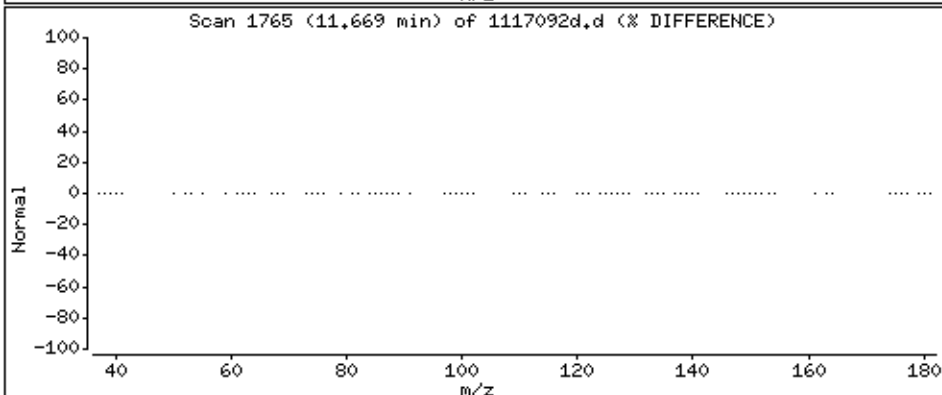
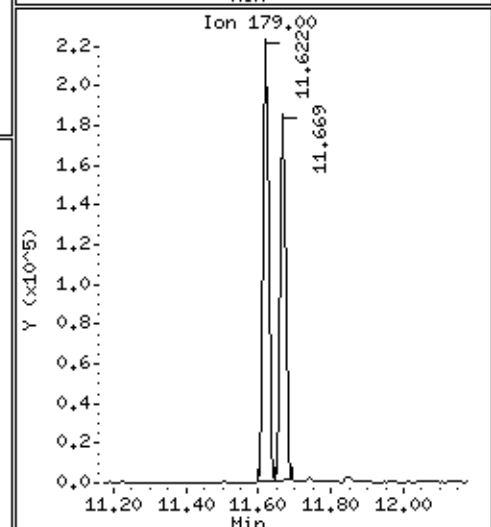
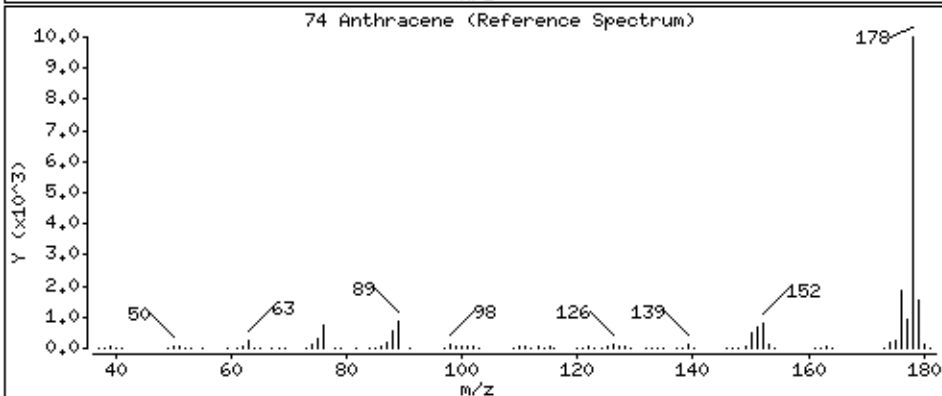
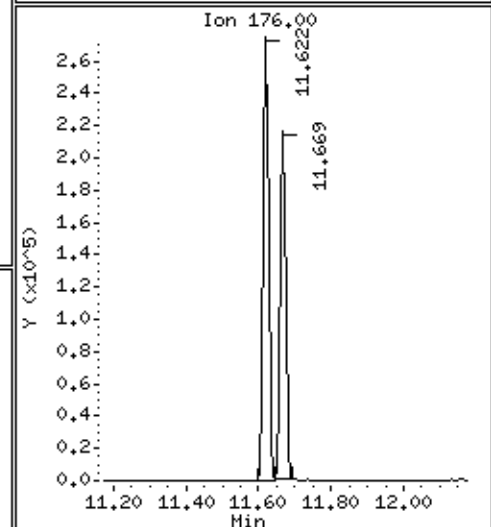
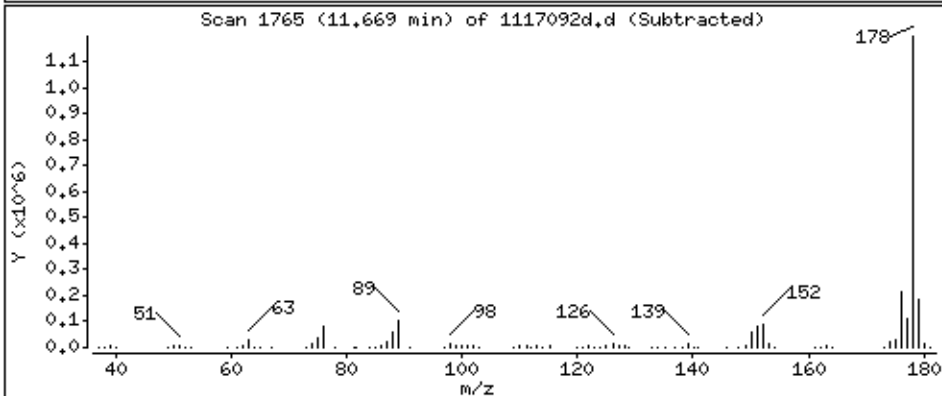
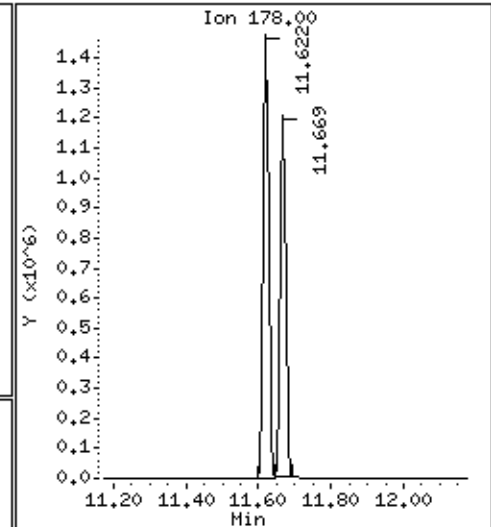
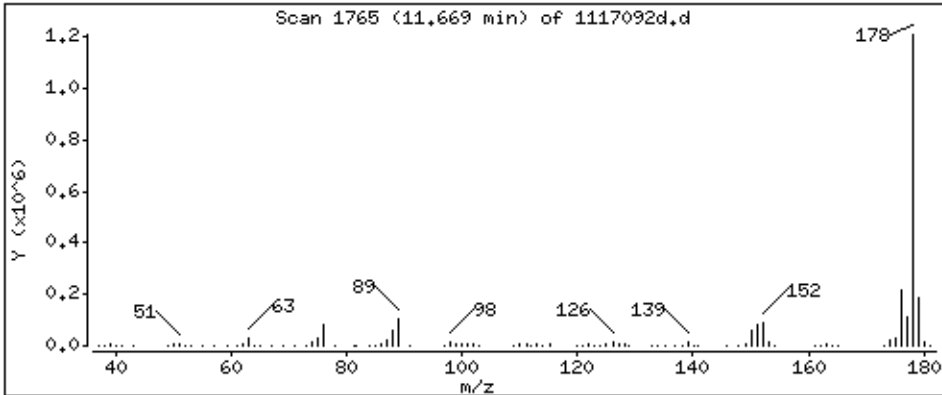
Operator: CEM

Column phase: .50um DB-5ms

Column diameter: 0,25

74 Anthracene

Concentration: 2725 ug/Kg



Date : 27-JUN-2014 21:38

Client ID: THW-6(2-4)MSD

Instrument: 50MSS3.i

Sample Info: 1117092

Volume Injected (uL): 1.0

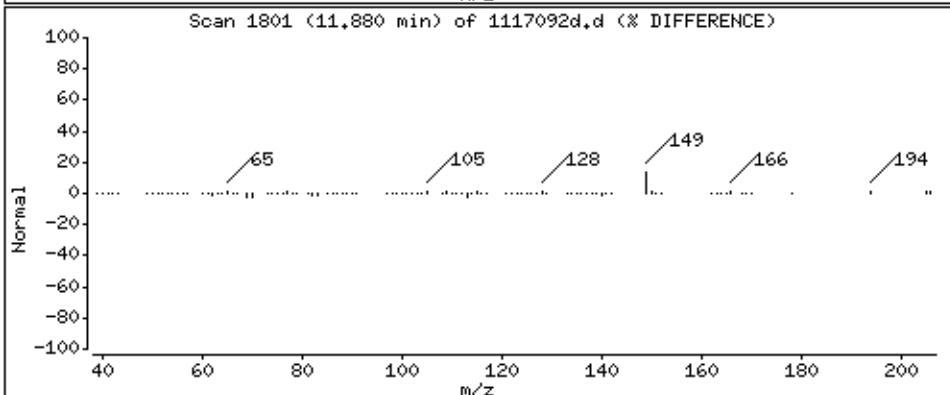
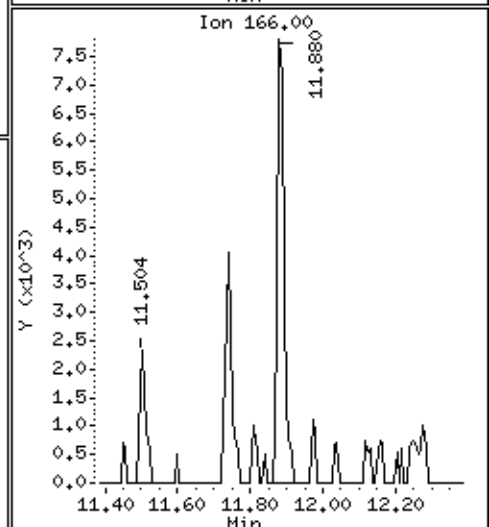
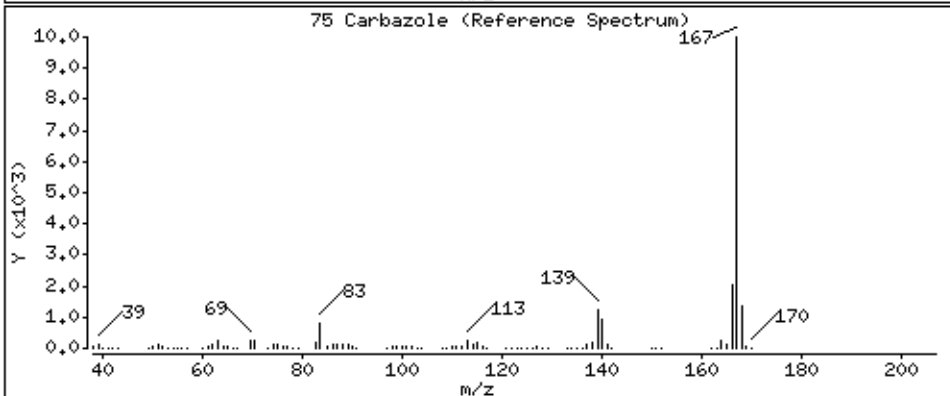
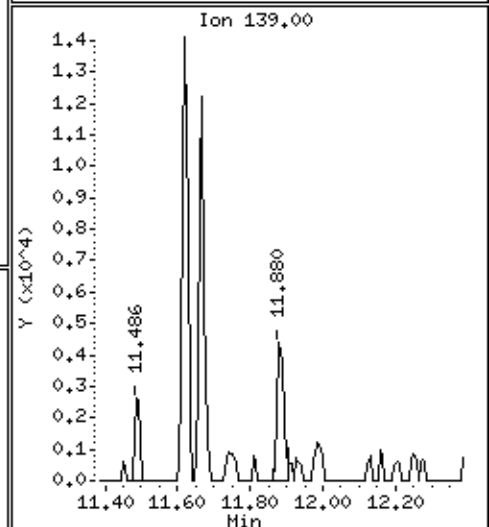
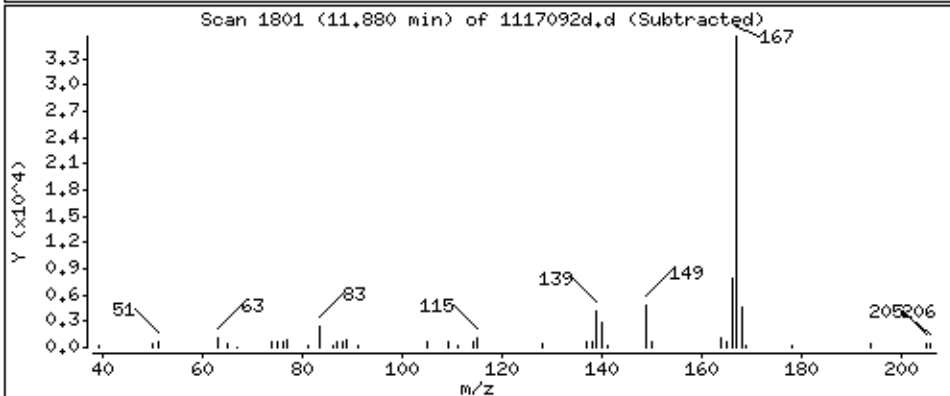
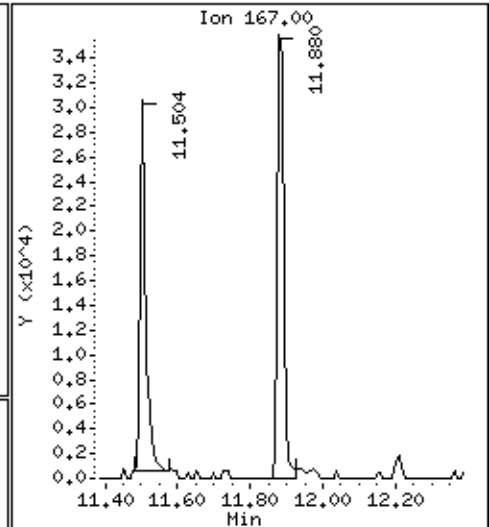
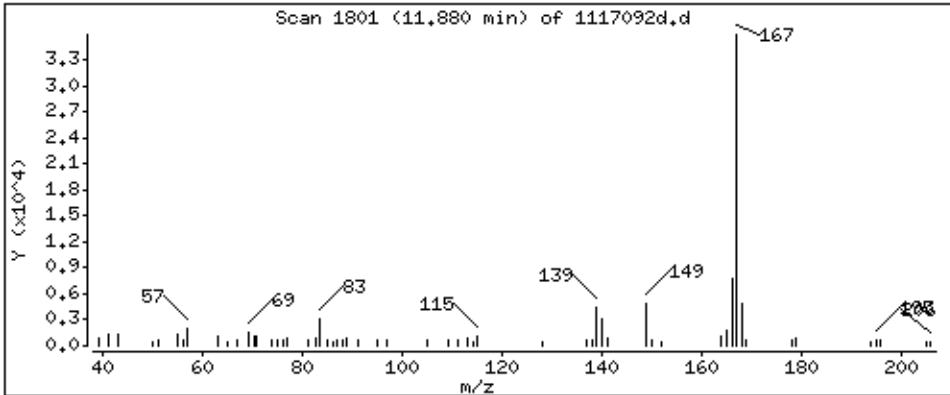
Operator: CEM

Column phase: .50um DB-5ms

Column diameter: 0,25

75 Carbazole

Concentration: 101.8 ug/Kg



Date : 27-JUN-2014 21:38

Client ID: THW-6(2-4)MSD

Instrument: 50MSS3.i

Sample Info: 1117092

Volume Injected (uL): 1.0

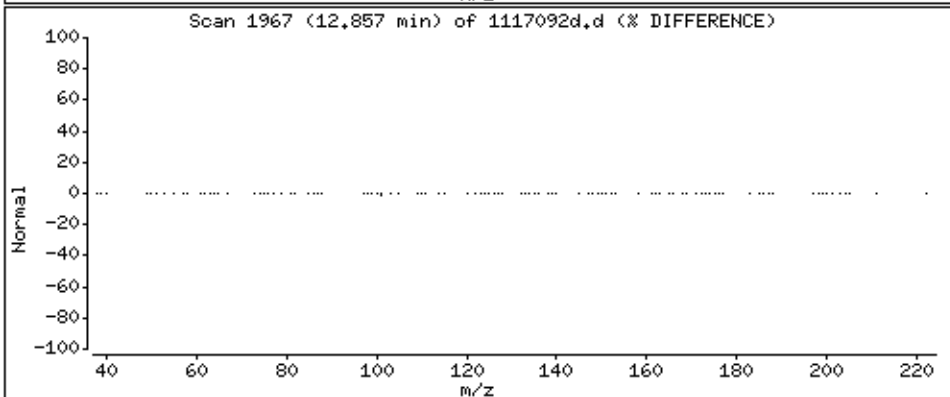
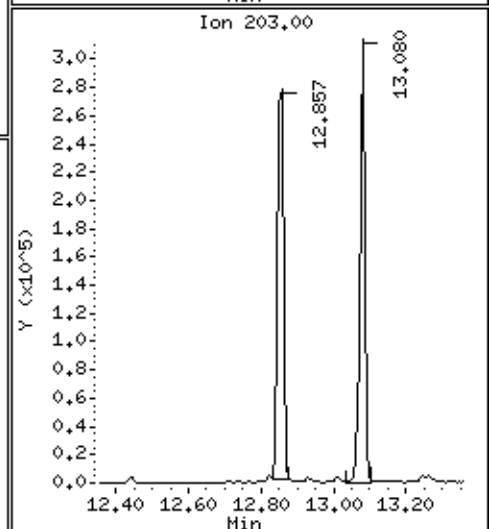
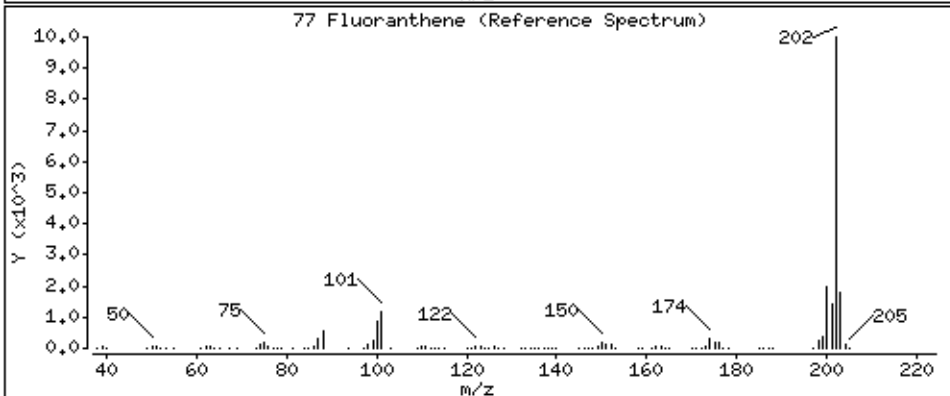
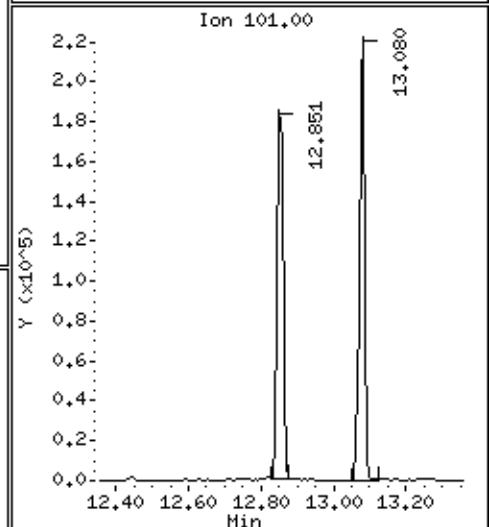
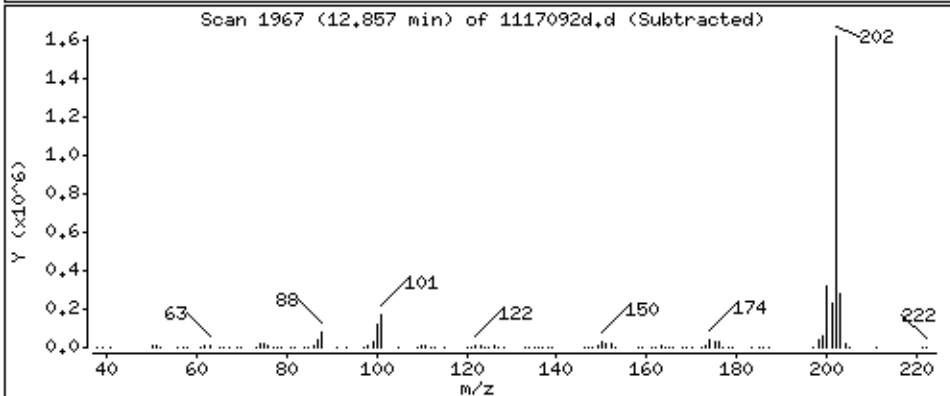
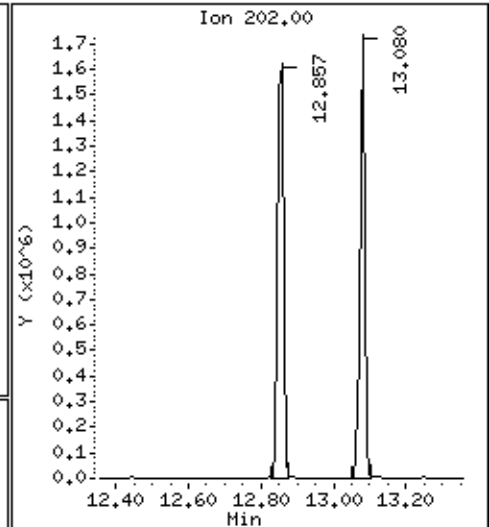
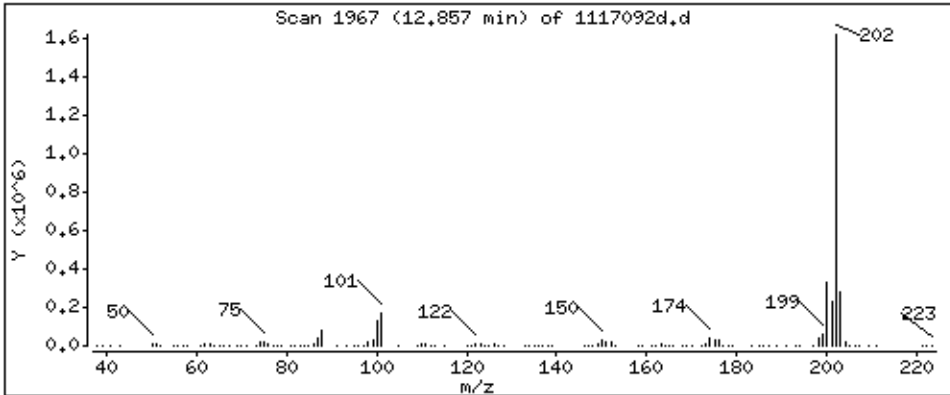
Operator: CEM

Column phase: .50um DB-5ms

Column diameter: 0,25

77 Fluoranthene

Concentration: 3553 ug/Kg



Date : 27-JUN-2014 21:38

Client ID: THW-6(2-4)MSD

Instrument: 50MSS3.i

Sample Info: 1117092

Volume Injected (uL): 1.0

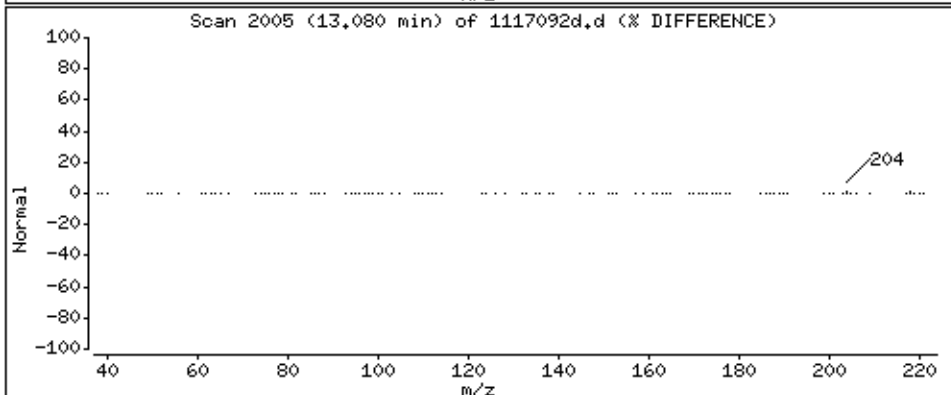
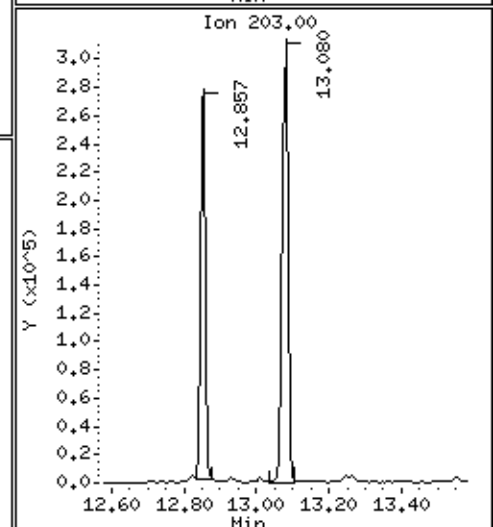
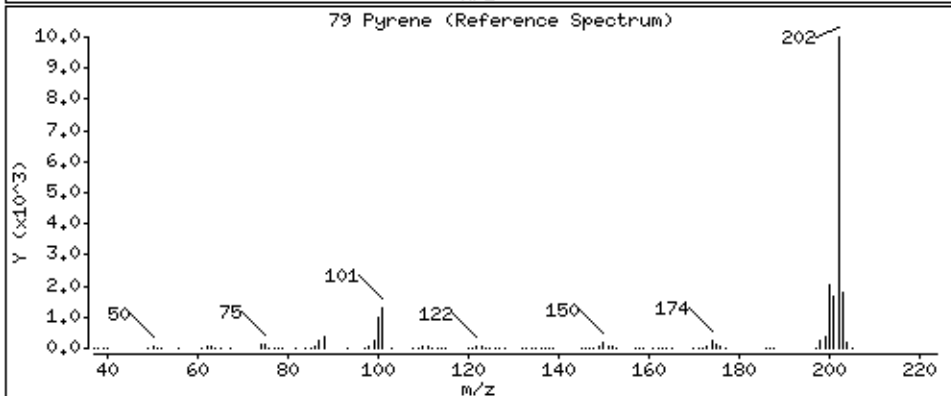
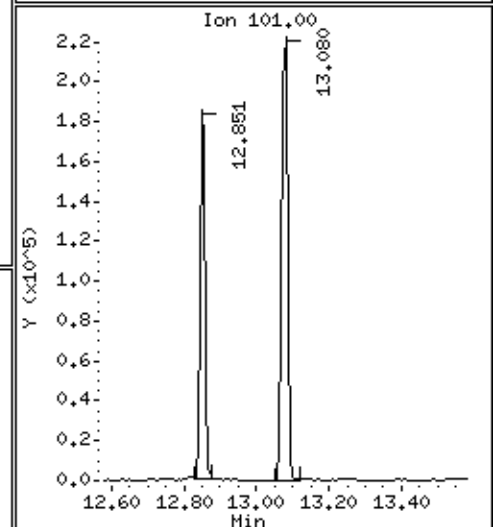
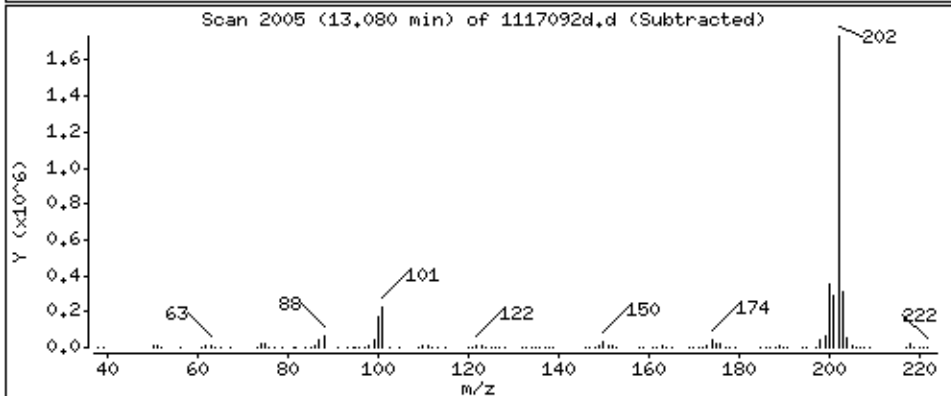
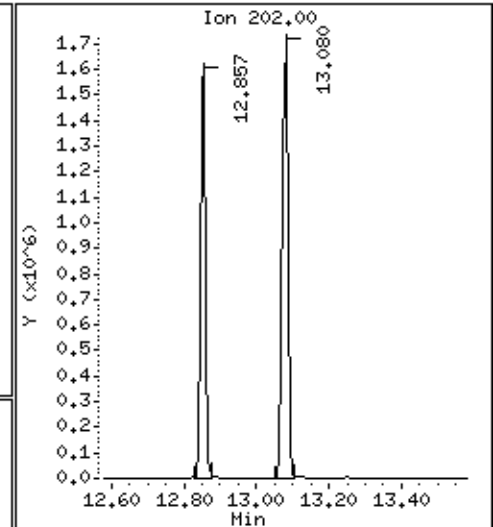
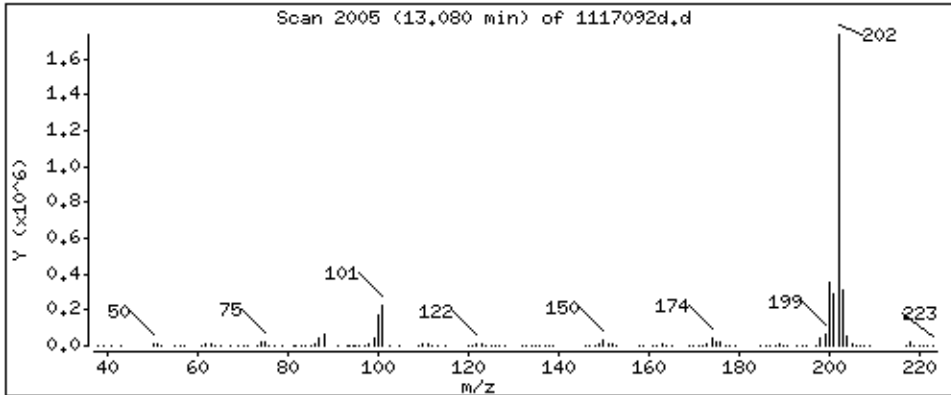
Operator: CEM

Column phase: .50um DB-5ms

Column diameter: 0,25

79 Pyrene

Concentration: 3444 ug/Kg



Date : 27-JUN-2014 21:38

Client ID: THW-6(2-4)MSD

Instrument: 50MSS3.i

Sample Info: 1117092

Volume Injected (uL): 1.0

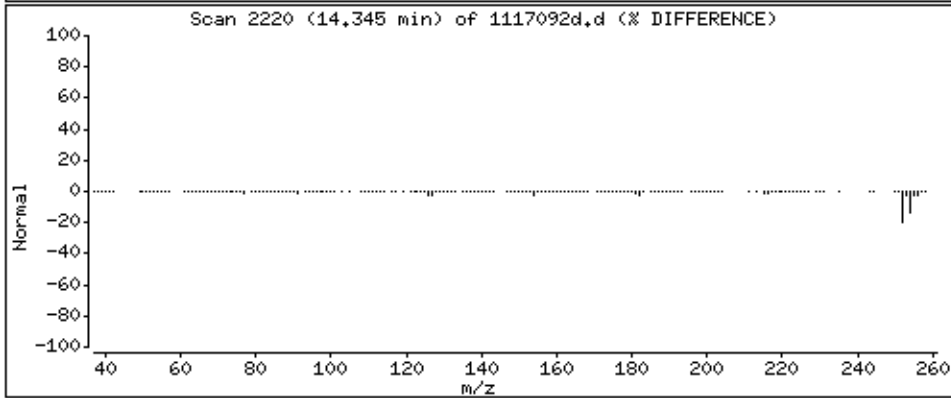
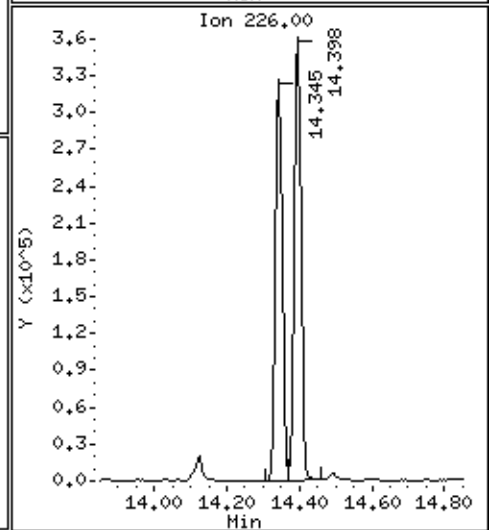
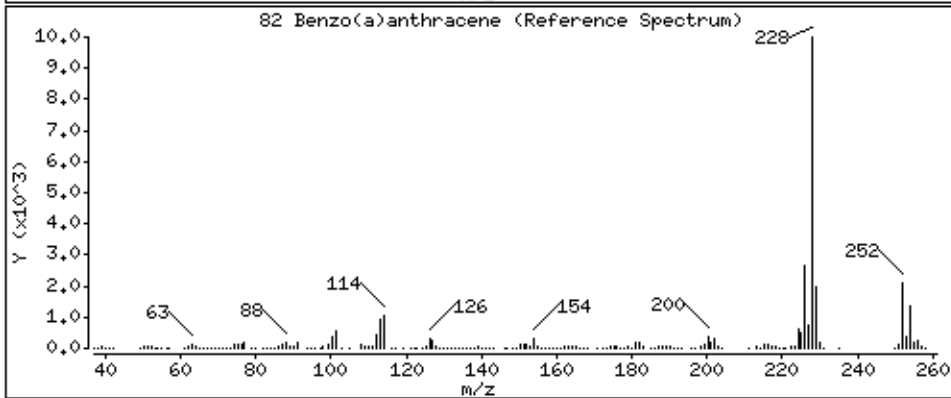
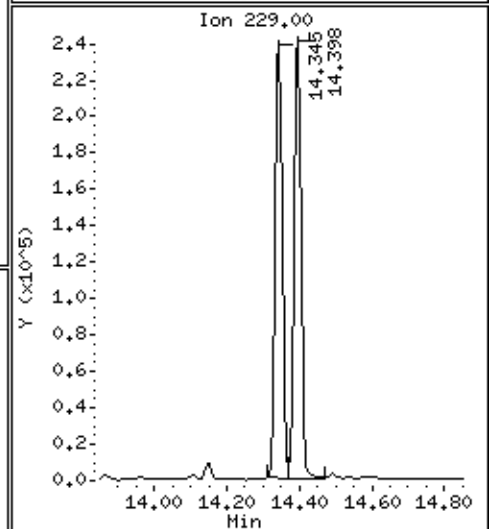
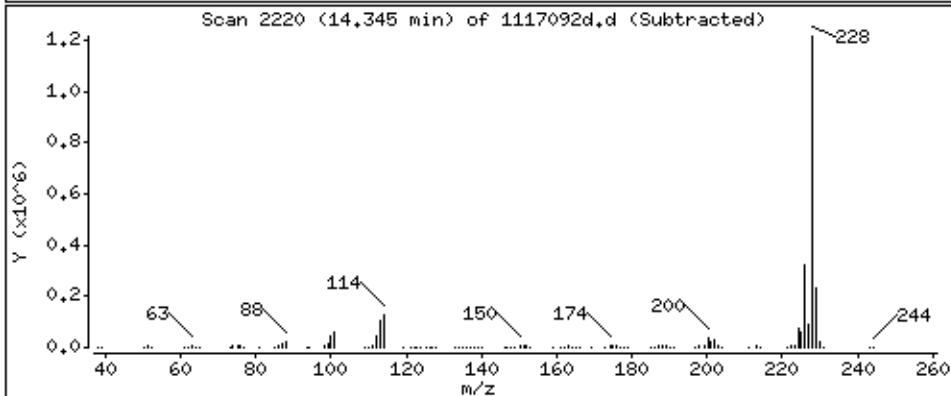
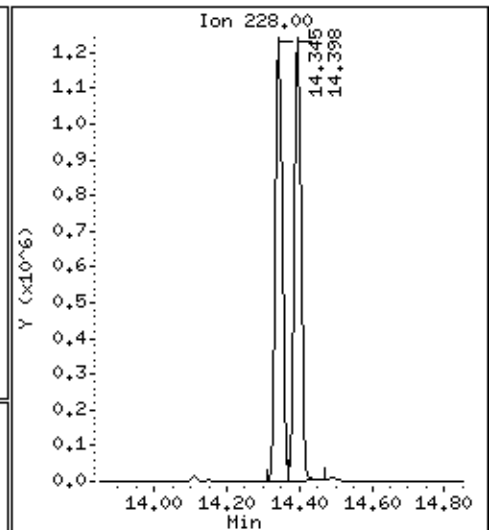
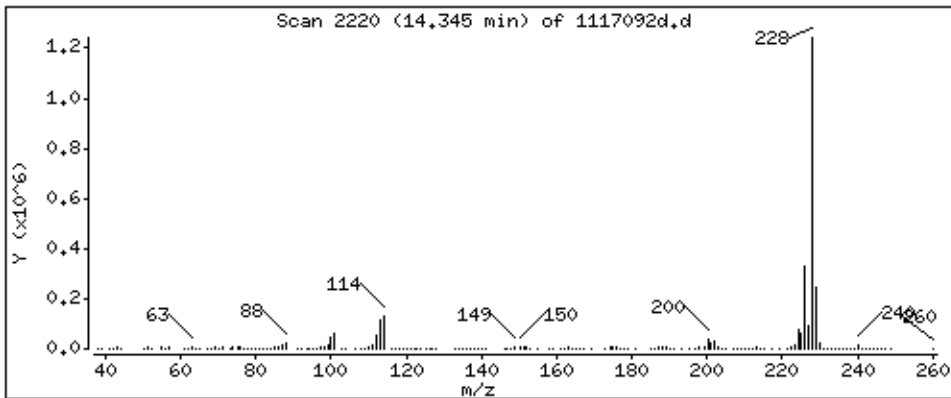
Operator: CEM

Column phase: .50um DB-5ms

Column diameter: 0,25

82 Benzo(a)anthracene

Concentration: 2756 ug/Kg



Date : 27-JUN-2014 21:38

Client ID: THW-6(2-4)MSD

Instrument: 50MSS3.i

Sample Info: 1117092

Volume Injected (uL): 1.0

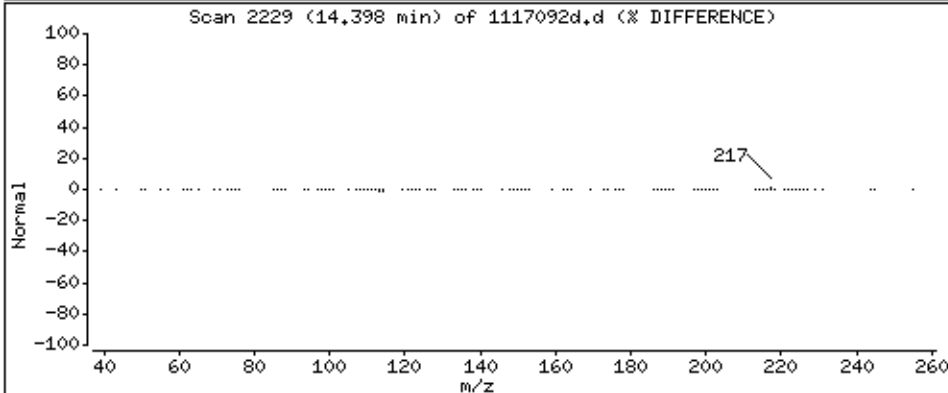
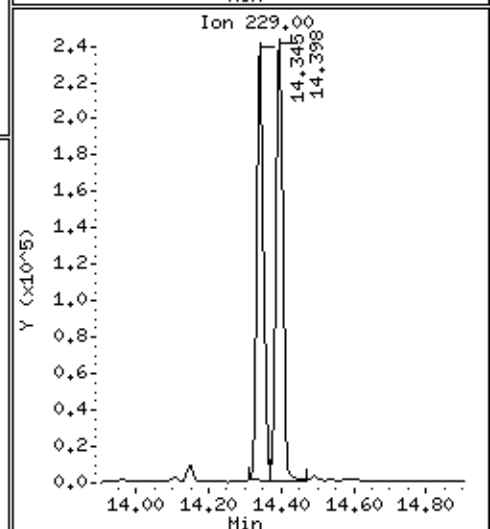
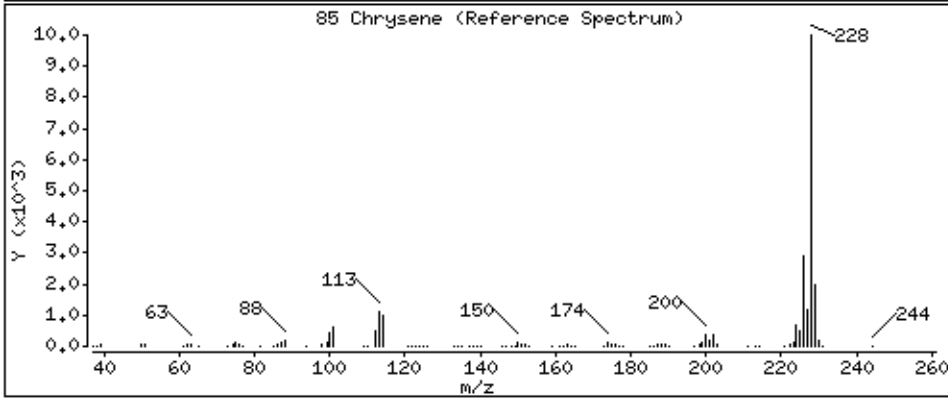
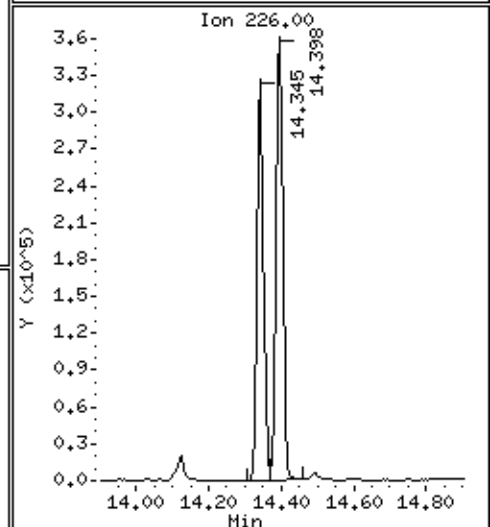
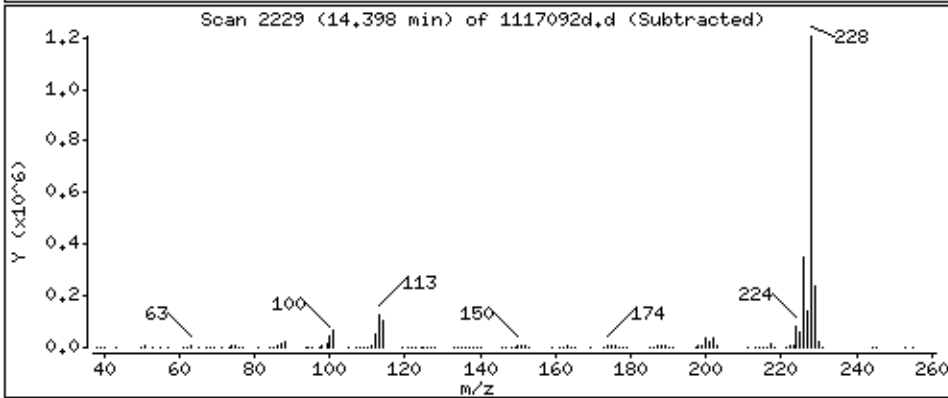
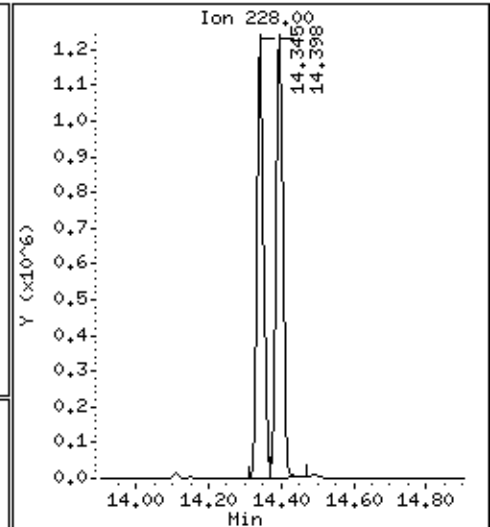
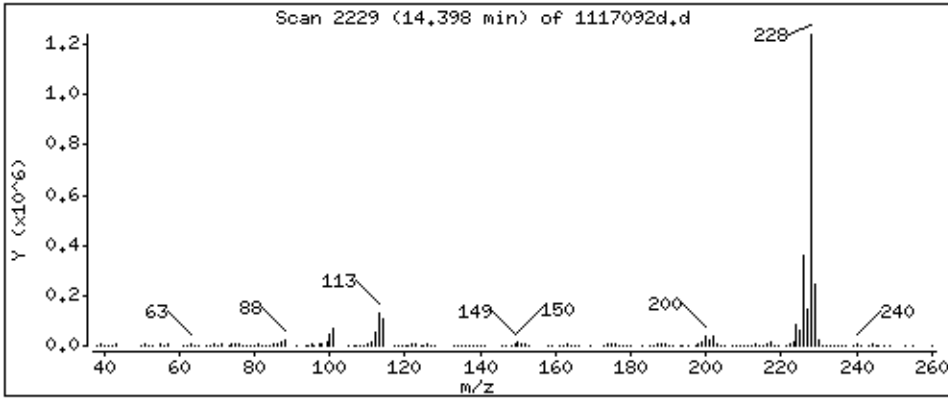
Operator: CEM

Column phase: .50um DB-5ms

Column diameter: 0,25

85 Chrysene

Concentration: 2882 ug/Kg



Date : 27-JUN-2014 21:38

Client ID: THW-6(2-4)MSD

Instrument: 50MSS3.i

Sample Info: 1117092

Volume Injected (uL): 1.0

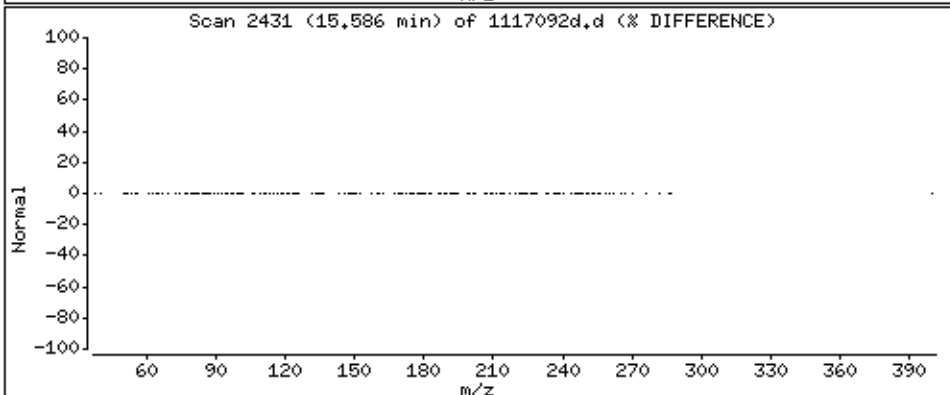
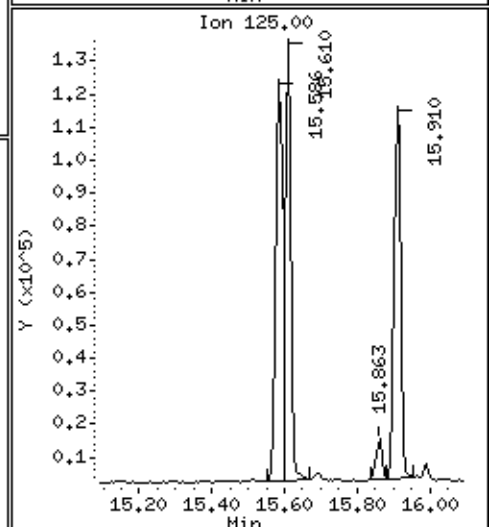
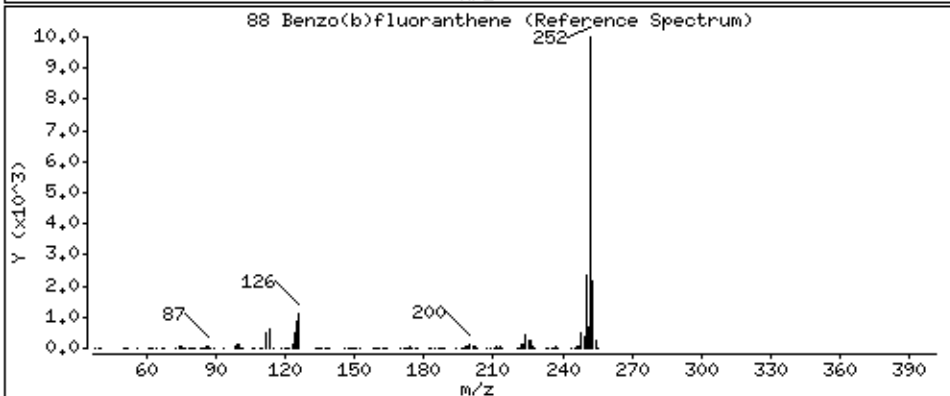
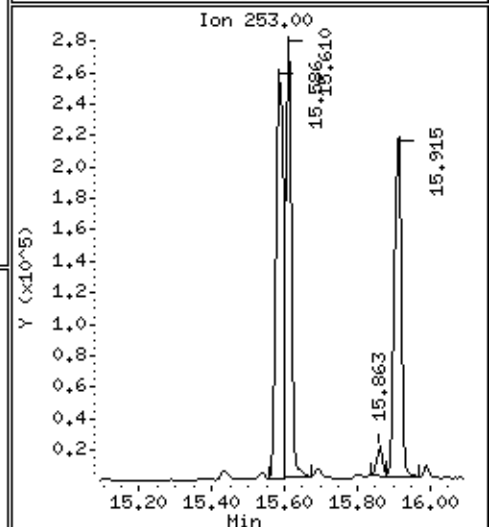
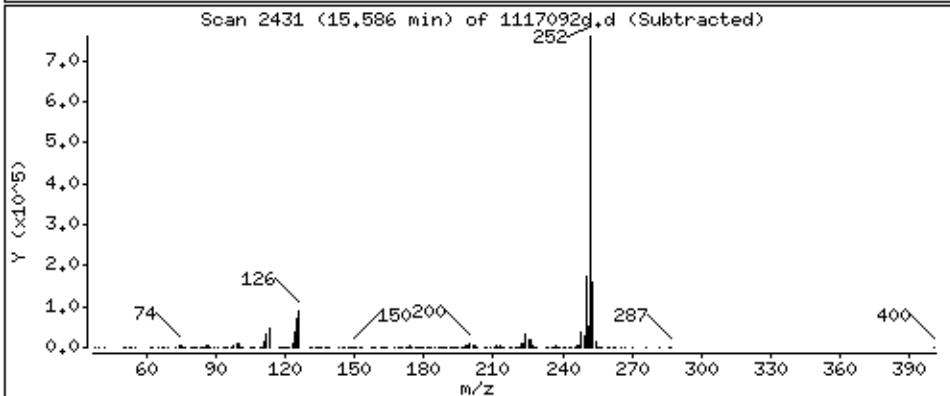
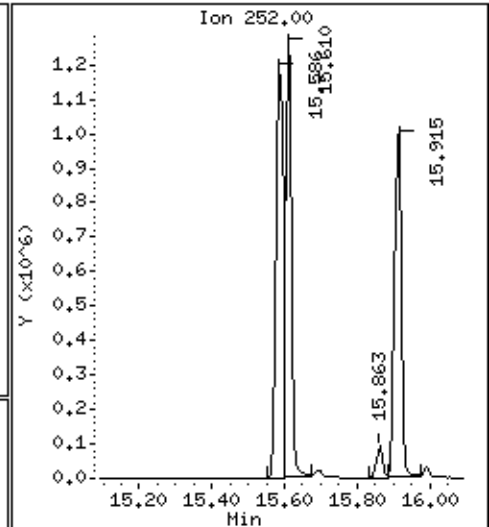
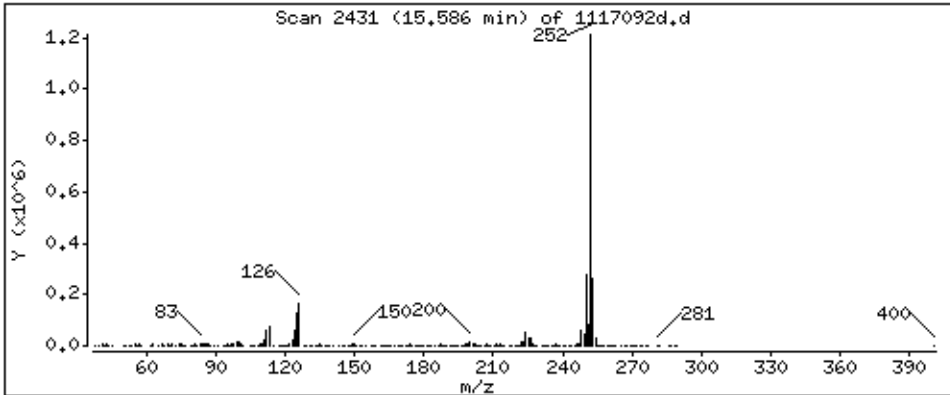
Operator: CEM

Column phase: .50um DB-5ms

Column diameter: 0,25

88 Benzo(b)fluoranthene

Concentration: 3675 ug/Kg



Date : 27-JUN-2014 21:38

Client ID: THW-6(2-4)MSD

Instrument: 50MSS3.i

Sample Info: 1117092

Volume Injected (uL): 1.0

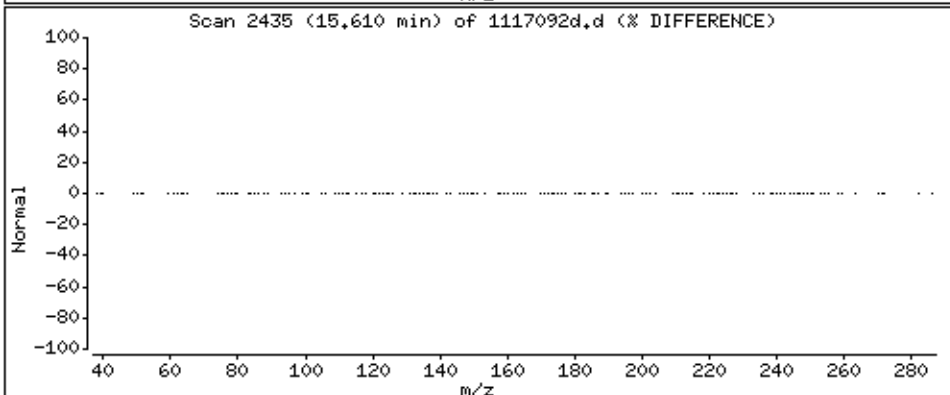
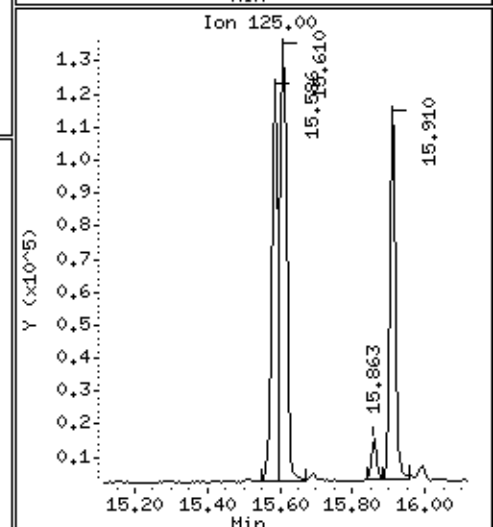
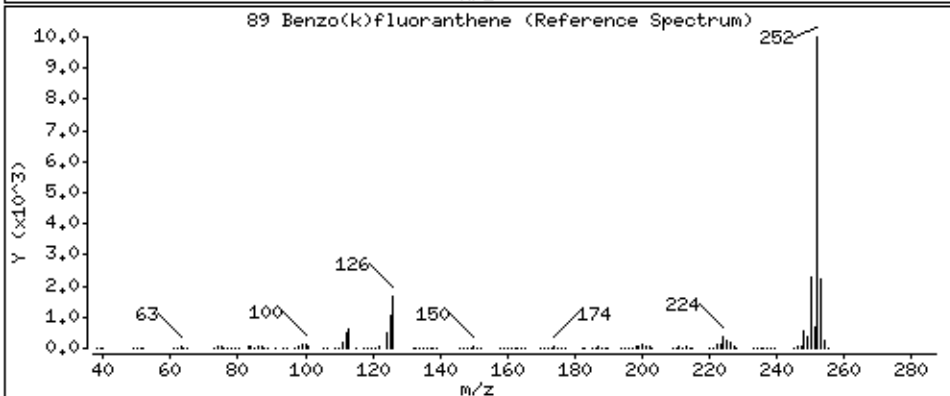
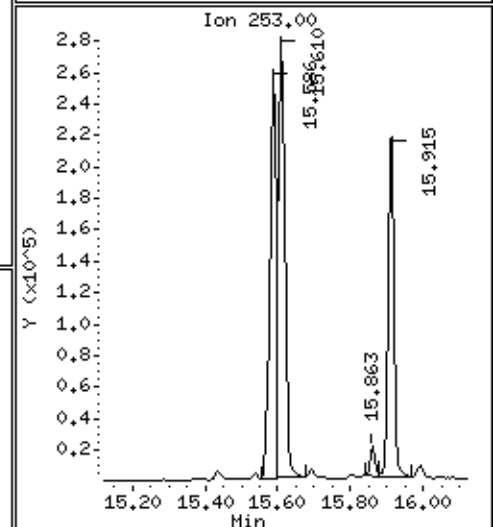
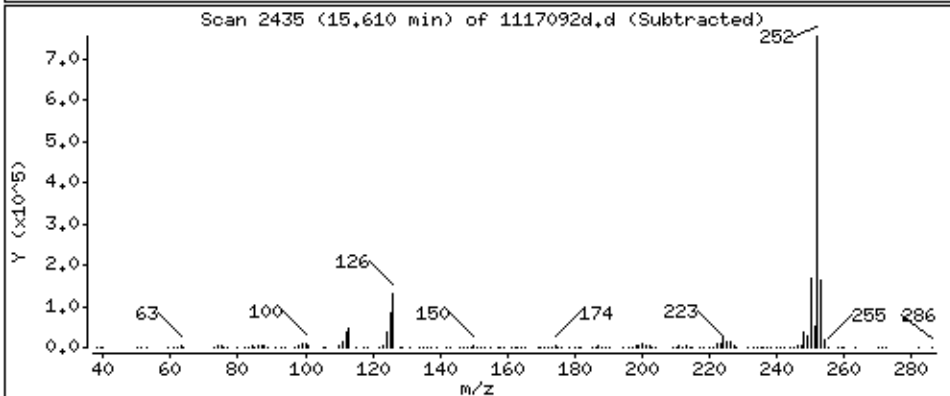
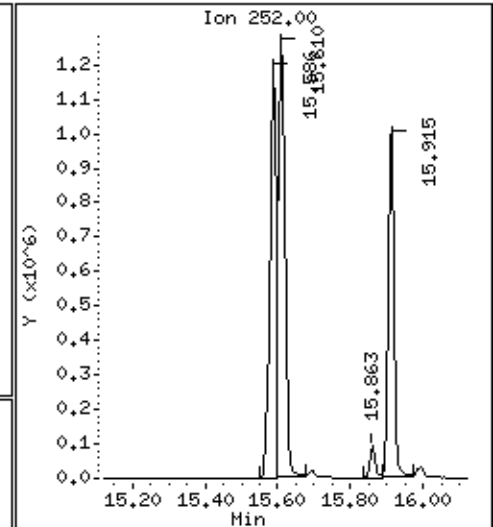
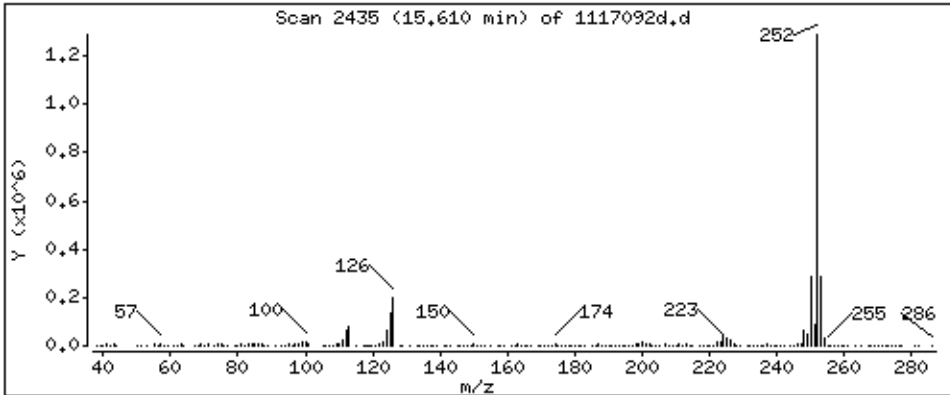
Operator: CEM

Column phase: .50um DB-5ms

Column diameter: 0,25

89 Benzo(k)fluoranthene

Concentration: 3626 ug/Kg



Date : 27-JUN-2014 21:38

Client ID: THW-6(2-4)MSD

Instrument: 50MSS3.i

Sample Info: 1117092

Volume Injected (uL): 1.0

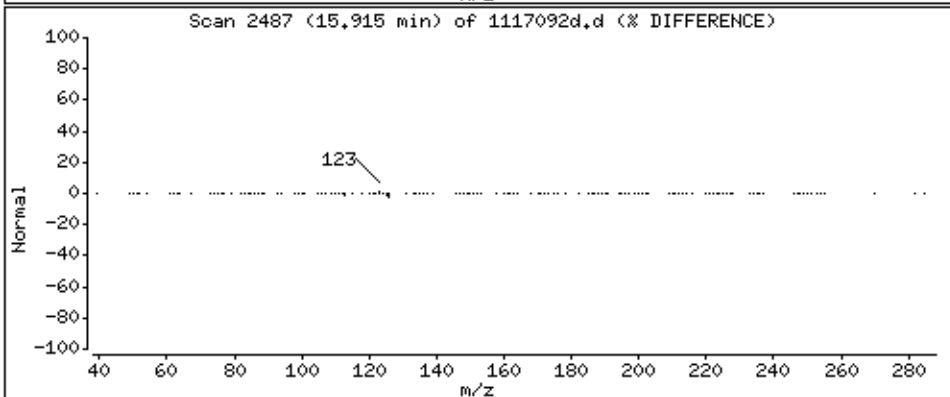
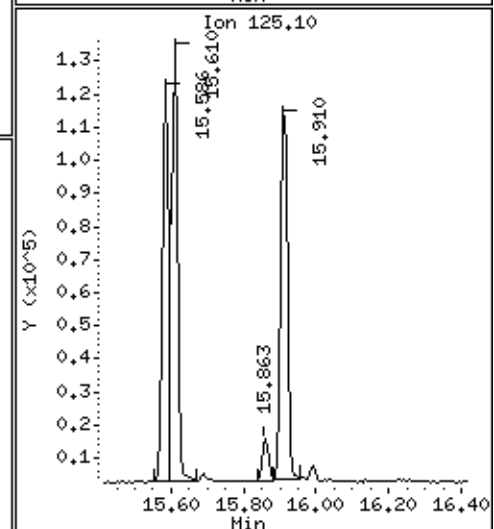
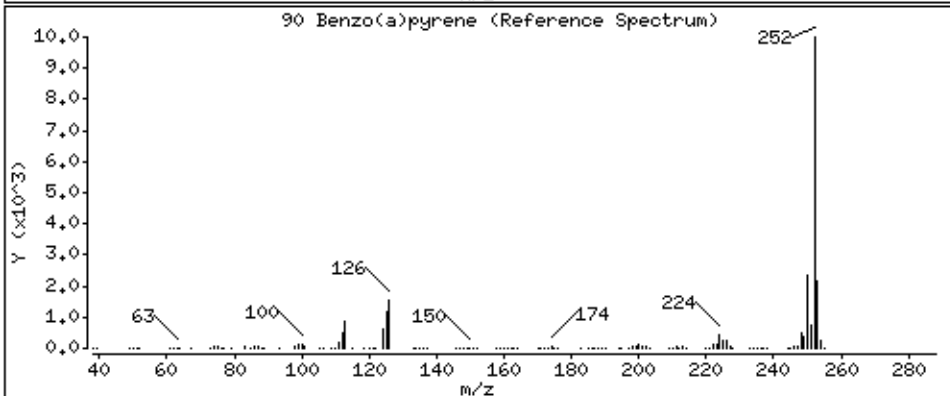
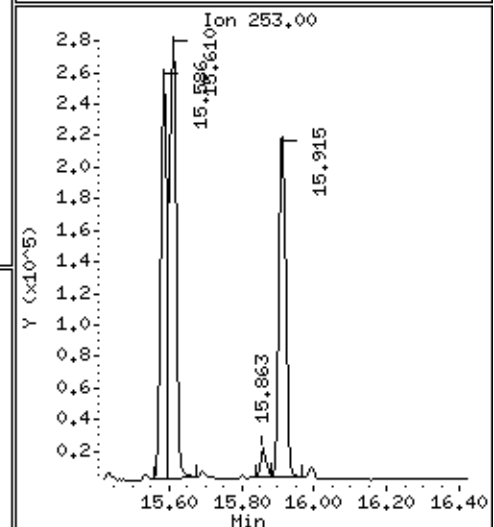
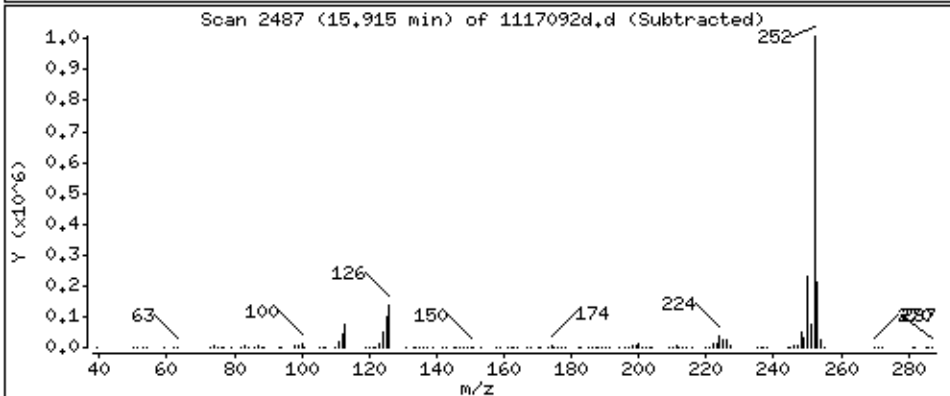
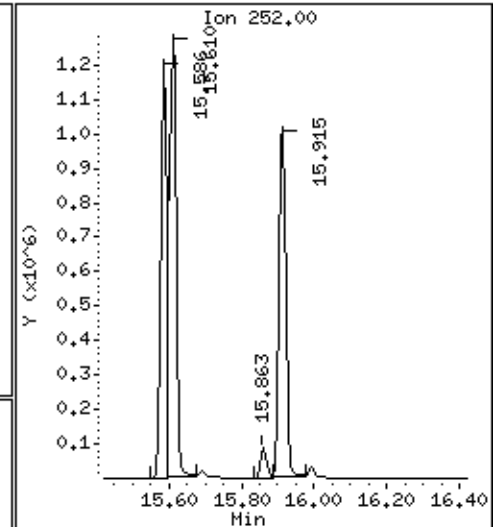
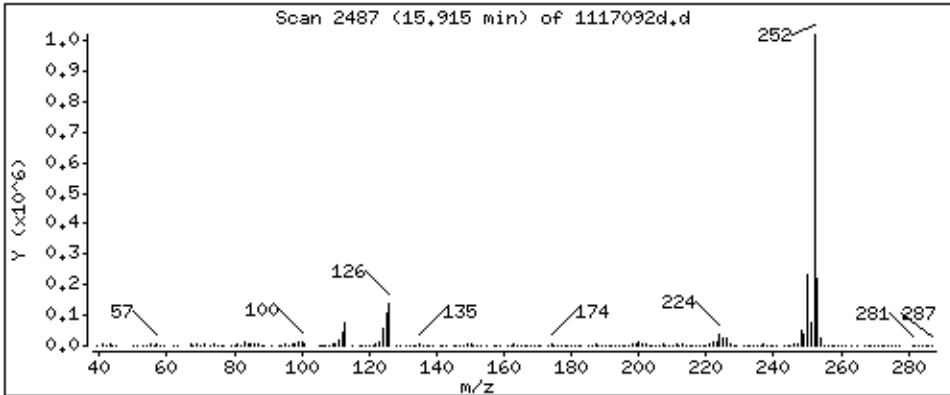
Operator: CEM

Column phase: .50um DB-5ms

Column diameter: 0,25

90 Benzo(a)pyrene

Concentration: 3204 ug/Kg



Date : 27-JUN-2014 21:38

Client ID: THW-6(2-4)MSD

Instrument: 50MSS3.i

Sample Info: 1117092

Volume Injected (uL): 1.0

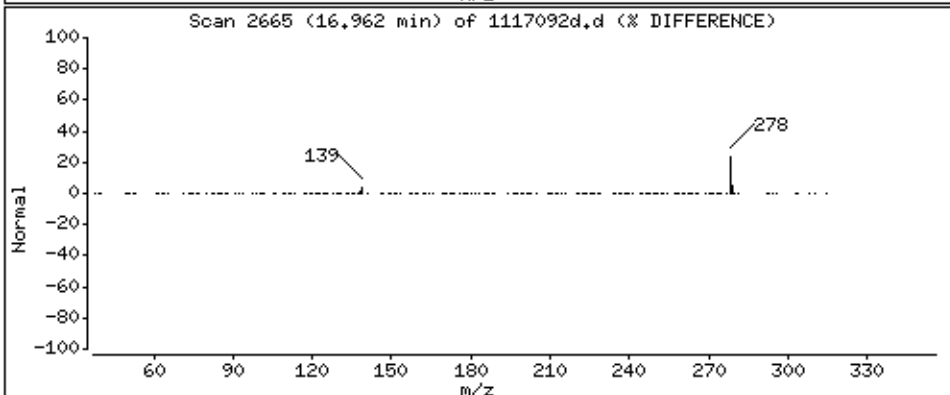
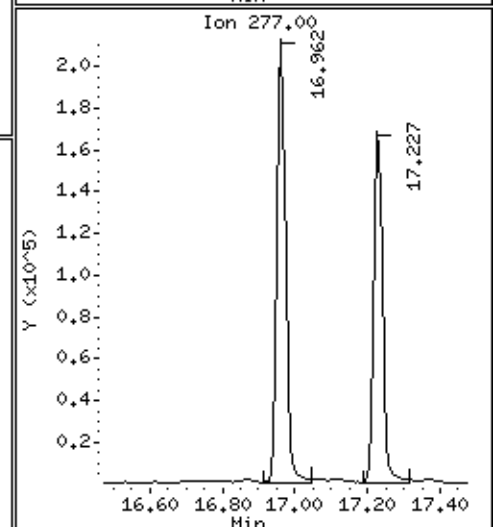
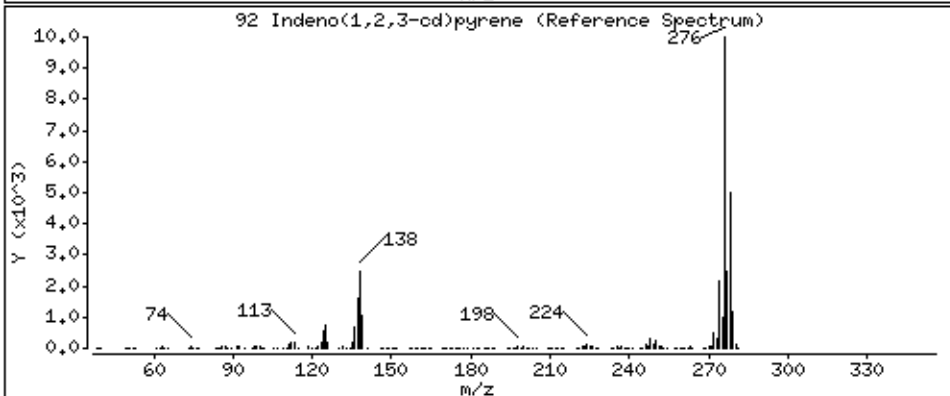
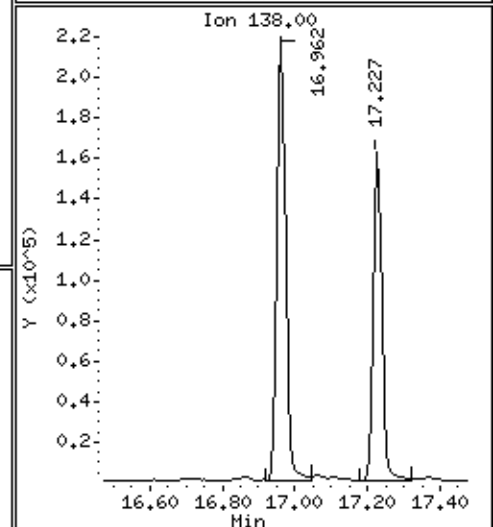
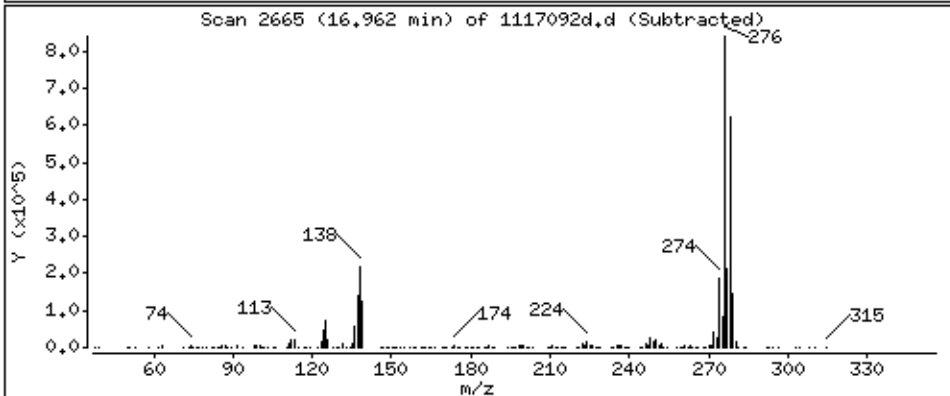
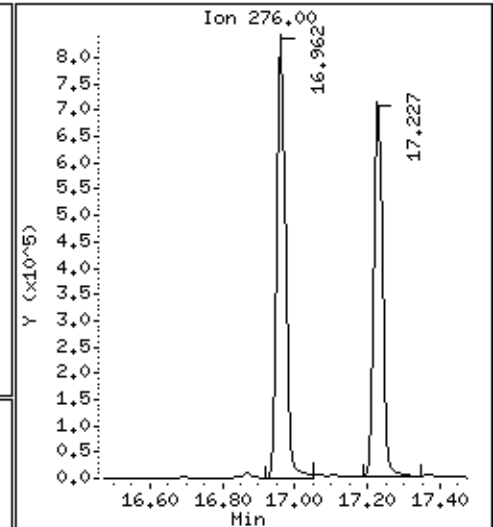
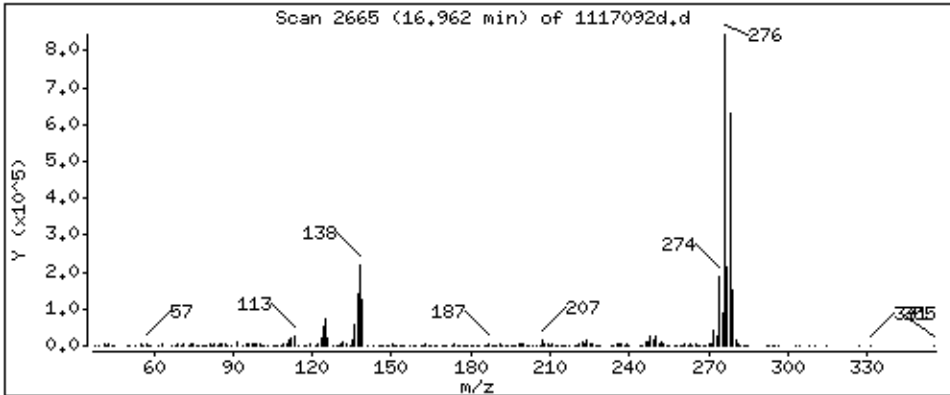
Operator: CEM

Column phase: .50um DB-5ms

Column diameter: 0,25

92 Indeno(1,2,3-cd)pyrene

Concentration: 2881 ug/Kg



Date : 27-JUN-2014 21:38

Client ID: THW-6(2-4)MSD

Instrument: 50MSS3.i

Sample Info: 1117092

Volume Injected (uL): 1.0

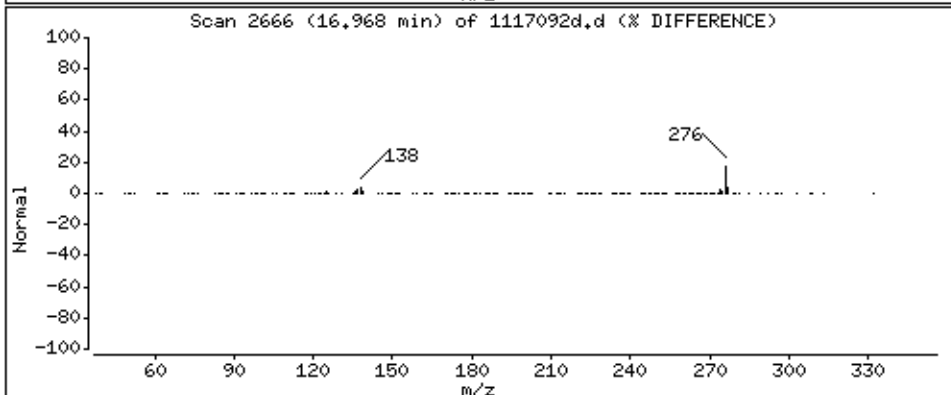
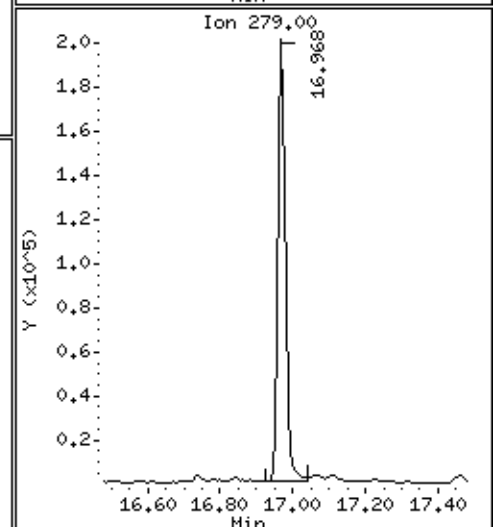
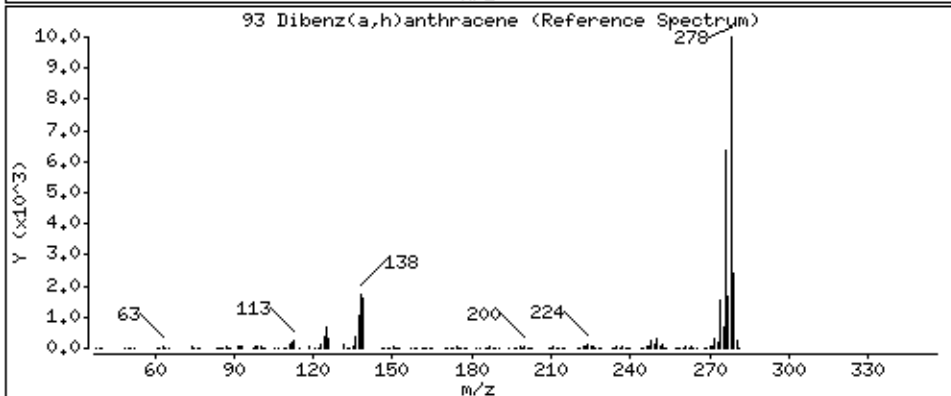
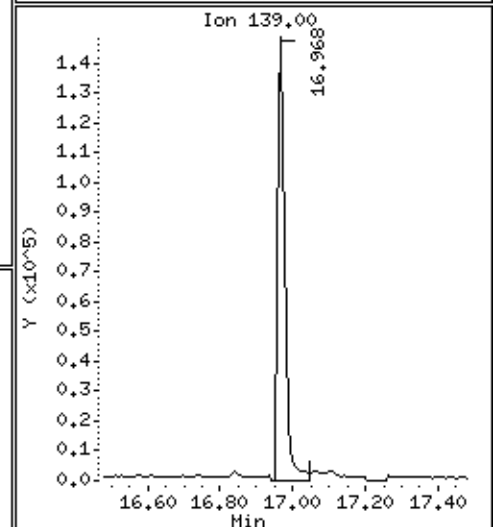
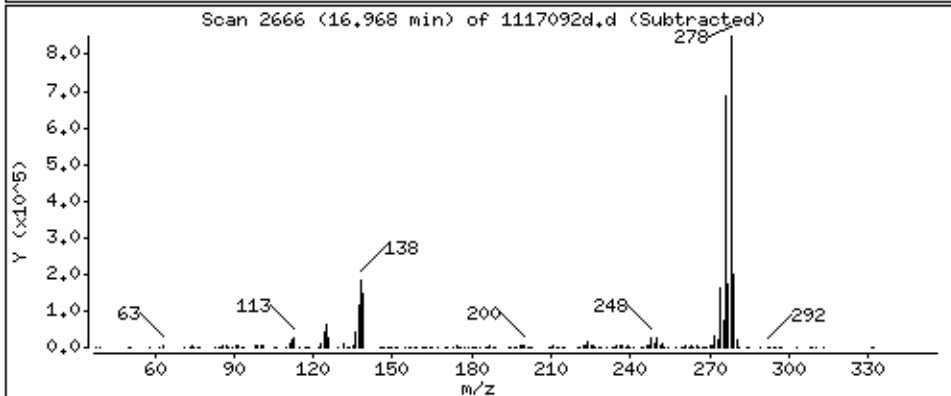
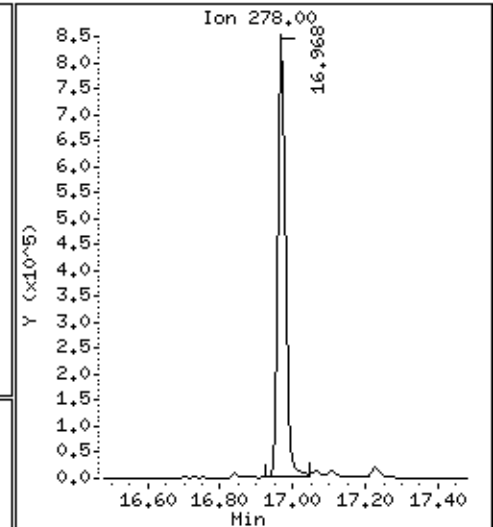
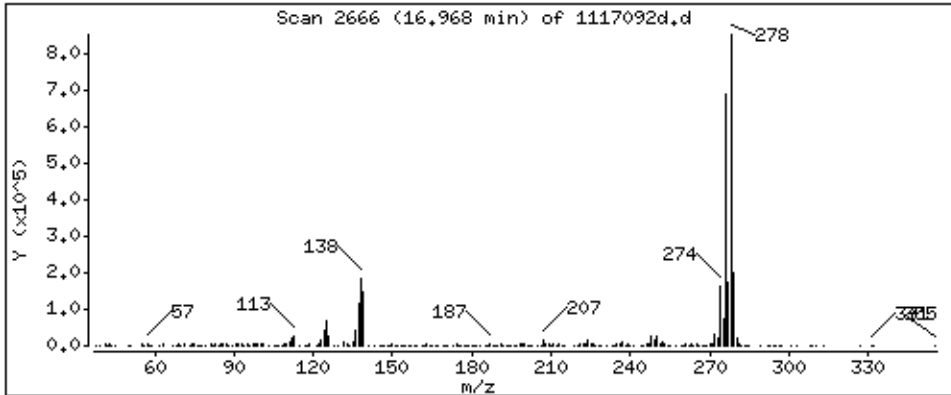
Operator: CEM

Column phase: .50um DB-5ms

Column diameter: 0,25

93 Dibenz(a,h)anthracene

Concentration: 3064 ug/Kg



Date : 27-JUN-2014 21:38

Client ID: THW-6(2-4)MSD

Instrument: 50MSS3.i

Sample Info: 1117092

Volume Injected (uL): 1.0

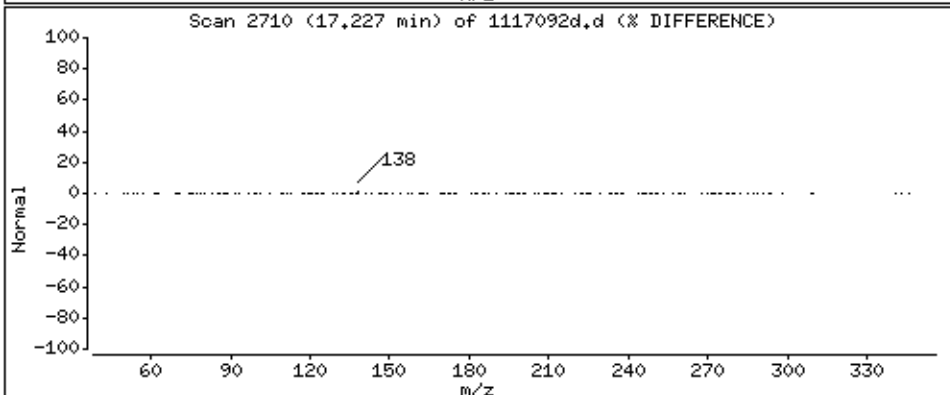
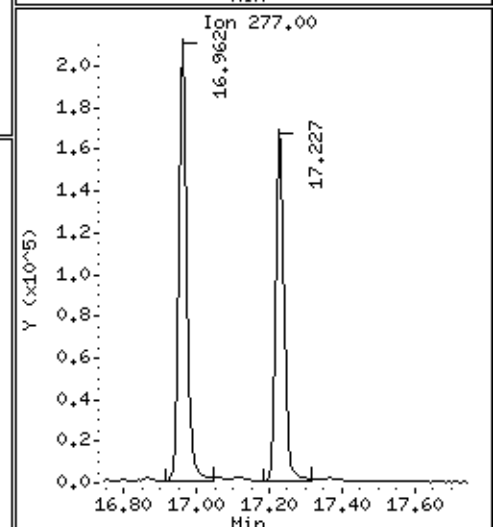
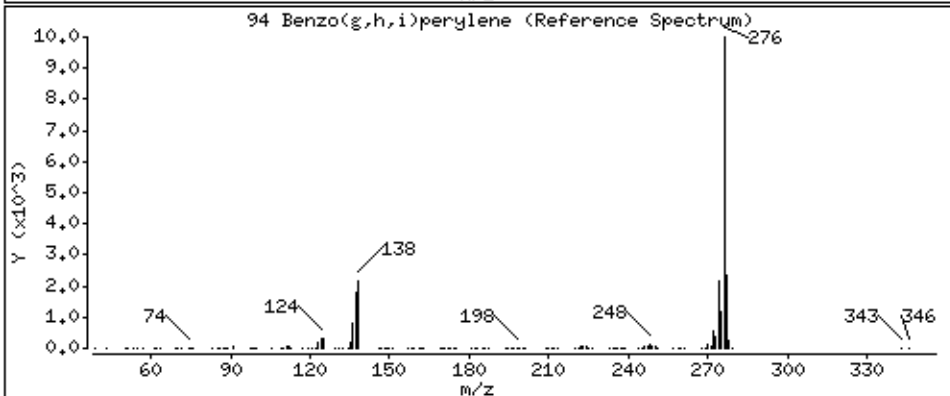
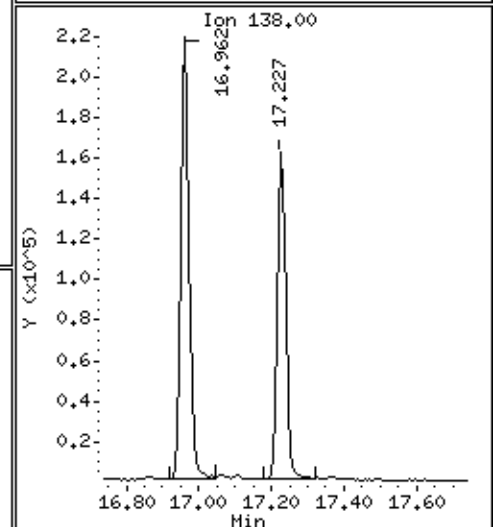
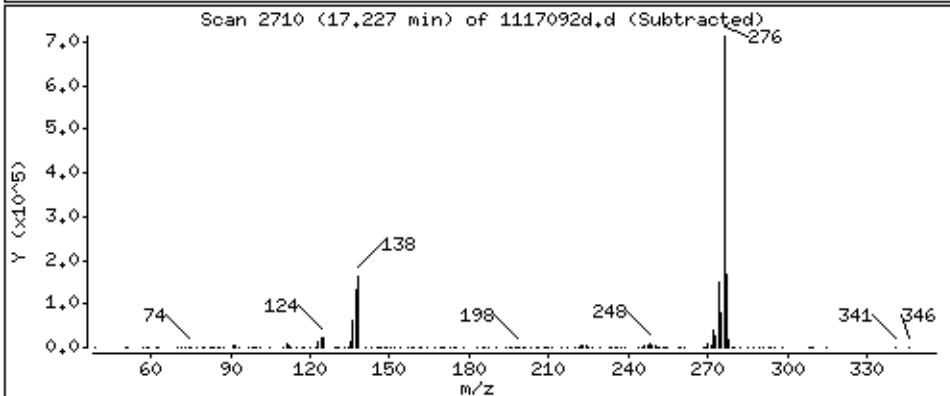
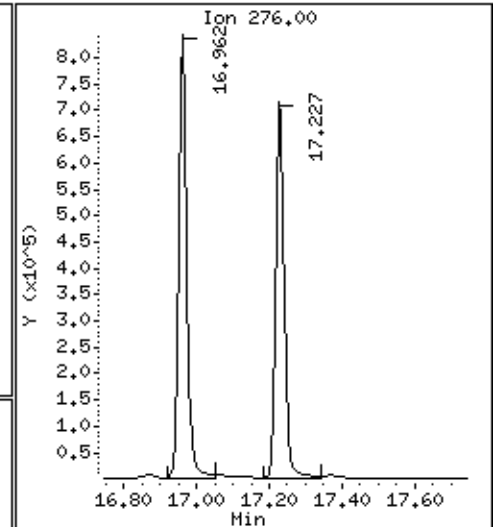
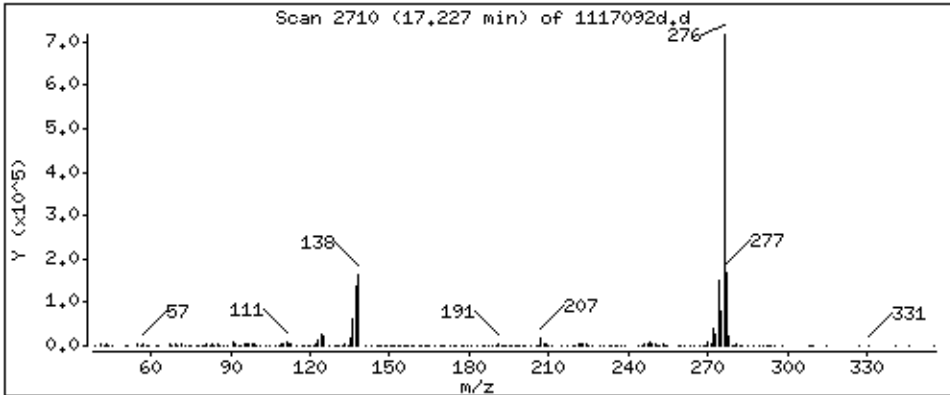
Operator: CEM

Column phase: .50um DB-5ms

Column diameter: 0,25

94 Benzo(g,h,i)perylene

Concentration: 2792 ug/Kg



Prep Log Report

Batch Information: OEXT 231142 BNA (W) SHORT

Prep Method	EPA 3510
Spiked By	JLR
N-evap	See Log
NaOH 10 N	54171

Analysis Method	EPA 8270
Vialed By	JLR
Water Bath	See Log
Sodium Sulfate	70333

Template Version: EF-IN-O-308-Rev.02(11Sep2012)

Extracted By	JLR
Vialed By Date	06/24/2014 15:46:55:078
Methylene Chloride	70598
Batch Notes	BATCHED W/ 231176

Extracted By Date	06/24/2014 10:38:09:548
Zymark	See Log
Sulfuric Acid	65401

Sample Information:

QC Rule	Sample Type	Lab Sample ID	Initial Volume (mL)	Final Volume (mL)	Initial pH	Adjusted pH	Sample Notes	8270-SS (mL)	8270SS-SPK (mL)
8270 WSEPS	BLANK	1116331	1000	1	7	<2		57572 (1)	
8270 WSEPS	LCS	1116332	1000	1	7	<2		57572 (1)	71368 (1)
8270 WSEPS	PS	5099603001	960	1	5	<2		57572 (1)	
8270 WSEPS	PS	5099603002	980	1	5	<2		57572 (1)	
8270 WSEPS	PS	5099603003	1000	1	7	<2		57572 (1)	
8270 WSEPS	PS	5099603004	990	1	7	<2		57572 (1)	
8270 WSEPS	PS	5099603005	970	1	4	<2		57572 (1)	
8270 WSEPS	PS	5099573008	1000	1	7	<2		57572 (1)	
8270 WSEPS	PS	5099573009	980	1	4	<2		57572 (1)	
8270 WSEPS	PS	5099578005	1000	1	7	<2		57572 (1)	
8270 WSEPS	PS	5099578011	980	1	7	<2		57572 (1)	
8270 WSEPS	PS	5099578012	1000	1	7	<2		57572 (1)	
8270 WSEPS	PS	5099688013	970	1	7	<2		57572 (1)	

Standard Notes:

57572: NEW working conc. stock from O2Si

71368: 8270 regular list spike

Prep Log Report

Batch Information: OEXT 231337 BNA (S) SHORT

Template Version: EF-IN-O-315-Rev.01(12Apr2013)

Prep Method	EPA 3546	Analysis Method	EPA 8270
Extracted By Date	06/25/2014 12:30:00	Spiked By	LDP
Zymark	See Log	3:1 Methylene Chloride/Acetone	70599
Ottawa Sand	62080	Batch Notes	

Instrument	50BALB	Extracted By	JGJ
Viald By	MLD	Viald By Date	06/25/2014 16:15:55:239
Methylene Chloride	70598	Sodium Sulfate	70333

Sample Information:

QC Rule	Sample Type	Lab Sample ID	Initial Weight (g)	Final Volume (mL)	Sample Notes	8270-SS (mL)	8270SS-SPK (mL)
8270 SSM_P	BLANK	1117087	30.0	1.0		57572 (1)	
8270 SSM_P	LCS	1117088	30.0	1.0		57572 (1)	70722 (1)
8270 SSM_P	PS	5099682007	30.4	1.0		57572 (1)	
8270 SSM_P	PS	5099682008	30.4	1.0		57572 (1)	
8270 SSM_P	PS	5099682009	30.2	1.0		57572 (1)	
8270 SSM_P	PS	5099682010	30.1	1.0		57572 (1)	
8270 SSM_P	RQS	5099688001	30.2	1.0		57572 (1)	
8270 SSM_P	MS	1117089	30.4	1.0		57572 (1)	70722 (1)
8270 SSM_P	MSD	1117090	30.2	1.0		57572 (1)	70722 (1)
8270 SSM_P	PS	5099688002	30.1	1.0		57572 (1)	
8270 SSM_P	PS	5099688003	30.1	1.0		57572 (1)	
8270 SSM_P	PS	5099688004	30.2	1.0		57572 (1)	
8270 SSM_P	PS	5099688005	30.4	1.0		57572 (1)	
8270 SSM_P	PS	5099688006	30.1	1.0		57572 (1)	
8270 SSM_P	PS	5099688007	30.3	1.0		57572 (1)	
8270 SSM_P	RQS	5099688008	30.2	1.0		57572 (1)	
8270 SSM_P	MS	1117091	30.3	1.0		57572 (1)	70722 (1)
8270 SSM_P	MSD	1117092	30.1	1.0		57572 (1)	70722 (1)
8270 SSM_P	PS	5099688009	30.1	1.0		57572 (1)	
8270 SSM_P	PS	5099688010	30.3	1.0		57572 (1)	
8270 SSM_P	PS	5099688011	30.4	1.0		57572 (1)	

QC Rule	Sample Type	Lab Sample ID	Initial Weight (g)	Final Volume (mL)	Sample Notes	8270-SS (mL)	8270SS-SPK (mL)
8270 SSM_P	PS	5099688012	30.3	1.0		57572 (1)	
8270 SSM_P	PS	5099559002	30.4	1.0		57573 (1)	
8270 SSM_P	PS	5099576003	30.1	1.0		57573 (1)	

Standard Notes:

57572: NEW working conc. stock from O2Si

57573: NEW working conc. stock from O2Si

70722: 8270 regular list spike

INSTRUMENT RUN LOG
Pace Analytical Services, Inc.

Instrument: 50MSS2.i
 Column .50um DB-5ms 30m X 0.25mm He Method: Semivolatile REPORT SW-846 Met
 Misc. Prep Info [G]:
 Misc. Prep Info [L]:
 Misc. Prep Info [S]:
 ISTD lot: 64176:1 Surr. lot:
 Tune std: _____ Cal. std: _____

Path/File	Smp Info	Mtrx/Batch	Type	DF	Method	Date	Time	Oper	Comments
1/mecl2-a.d	PBLK,65934:1	L/	SAMPLE	1	8270c	6/09/14	12:34	CEM	
1/dftpp-a.d	TUNE,70508:1	G/	DFTPP	1	sw846tun	6/09/14	12:56	CEM	GOOD
1/5ppm.d	CAL2,70285:1	L/	CALIB_2	1	8270c	6/09/14	13:19	CEM	}
1/10ppm.d	CAL3,70286:1	L/	CALIB_3	1	8270c	6/09/14	13:41	CEM	
1/20ppm.d	CAL4,70287:1	L/	CALIB_4	1	8270c	6/09/14	14:04	CEM	
1/50ppm.d	CAL5,70288:1	L/	CALIB_5	1	8270c	6/09/14	14:26	CEM	
1/100ppm.d	CAL6,70289:1	L/	CALIB_6	1	8270c	6/09/14	14:49	CEM	} GOOD curve
1/150ppm.d	CAL7,70290:1	L/	CALIB_7	1	8270c	6/09/14	15:11	CEM	
1/175ppm.d	CAL8,70291:1	L/	CALIB_8	1	8270c	6/09/14	15:34	CEM	
1/200ppm.d	CAL9,70292:1	L/	CALIB_9	1	8270c	6/09/14	15:56	CEM	
1/100ppm-icv.d	ICV,70293:1	L/	LCS	1	8270c	6/09/14	16:19	CEM	GOOD
1/5098544005.d	5098544005	S/15407	SAMPLE	1	8270c	6/09/14	16:41	CEM	
1/5098544006.d	5098544006	S/15407	SAMPLE	1	8270c	6/09/14	17:04	CEM	
1/5098549010.d	5098549010	S/15407	SAMPLE	1	8270c	6/09/14	17:27	CEM	
1/5098549011.d	5098549011	S/15407	SAMPLE	1	8270c	6/09/14	17:49	CEM	
1/5098549012.d	5098549012	S/15407	SAMPLE	1	8270c	6/09/14	18:12	CEM	
1/5098549014x.d	5098549014X5	S/15407	SAMPLE	5	8270c	6/09/14	18:34	CEM	
1/1103805mx5.d	1103805X5	S/15407	MS	5	8270c	6/09/14	18:57	CEM	
1/1103806dx5.d	1103806X5	S/15407	MSD	5	8270c	6/09/14	19:19	CEM	
1/5098549015x.d	5098549015X5	S/15407	SAMPLE	5	8270c	6/09/14	19:42	CEM	
1/5098549016.d	5098549016	S/15407	SAMPLE	1	8270c	6/09/14	20:04	CEM	
1/5098549018.d	5098549018	S/15407	SAMPLE	1	8270c	6/09/14	20:27	CEM	
1/5098549019x.d	5098549019X10	S/15407	SAMPLE	10	8270c	6/09/14	20:49	CEM	10XMOCE
1/5098549020x.d	5098549020X10	S/15407	SAMPLE	10	8270c	6/09/14	21:12	CEM	
1/5098549021.d	5098549021	S/15407	SAMPLE	1	8270c	6/09/14	21:35	CEM	
1/5098549022.d	5098549022	S/15407	SAMPLE	1	8270c	6/09/14	21:57	CEM	
1/5098549023.d	5098549023	S/15407	SAMPLE	1	8270c	6/09/14	22:20	CEM	
1/5098549025.d	5098549025	S/15407	SAMPLE	1	8270c	6/09/14	22:42	CEM	
1/5098549026.d	5098549026	S/15407	SAMPLE	1	8270c	6/09/14	23:05	CEM	
1/5098316004r.d	5098316004	L/15407	SAMPLE	1	8270c	6/09/14	23:28	CEM	
1/5098316006rx.d	5098316006X5	L/15407	SAMPLE	5	8270c	6/09/14	23:50	CEM	
1/mecl2-b.d	PBLK,65934:1	L/	SAMPLE	1	8270c	6/10/14	00:13	CEM	

File Path 1: \\192.168.50.6\chem\50MSS2.i\060914cal.b
 Matrix Codes: [G]as, [L]iquid, [S]olid, [N]one
 Report Date: 07:38 06/10/2014

SN
061014

INSTRUMENT RUN LOG
Pace Analytical Services, Inc.

Instrument: 50MSS2.i
 Column .50um DB-5ms 30m X 0.25mm He Method: Semivolatile REPORT SW-846 M
 Misc. Prep Info [G]:
 Misc. Prep Info [L]:
 Misc. Prep Info [S]:
 ISTD lot: 64176:1 Surr. lot:
 Tune std: _____ Cal. std: _____

Path/File	Smp Info	Mtrx/Batch	Type	DF	Method	Date	Time	Oper	Comments
1/dftpp-b.d	TUNE,70508:1	G/	DFTPP	1	sw846tun	6/10/14	00:36	CEM	Good
1/100ppm-a.d	CCV,70037:1	L/	CCALIB_6	1	8270c	6/10/14	00:58	CEM	Fail
1/5098316010r.d	5098316010	L/15407	SAMPLE	1	8270c	6/10/14	01:21	CEM	re-run
1/1105134b.d	1105134	L/15423	BLANK	1	8270c	6/10/14	01:43	CEM	↓
1/11051351.d	1105135	L/15423	LCS	1	8270c	6/10/14	02:06	CEM	
1/5098699002x.d	5098699002x10	L/15423	SAMPLE	10	8270c	6/10/14	02:28	CEM	
1/5098699006.d	5098699006	L/15423	SAMPLE	1	8270c	6/10/14	02:51	CEM	
1/5098699009.d	5098699009	L/15423	SAMPLE	1	8270c	6/10/14	03:13	CEM	
1/5098699010.d	5098699010	L/15423	SAMPLE	1	8270c	6/10/14	03:36	CEM	
1/5098699011.d	5098699011	L/15423	SAMPLE	1	8270c	6/10/14	03:59	CEM	
1/5098549019xr.d	5098549019x100	S/15407	SAMPLE	100	8270c	6/10/14	04:21	CEM	
1/1106665b.d	1106665	L/15451	BLANK	1	8270c	6/10/14	04:44	CEM	
1/11066661.d	1106666	L/15451	LCS	1	8270c	6/10/14	05:07	CEM	
1/5098856001.d	5098856001	L/15451	SAMPLE	1	8270c	6/10/14	05:30	CEM	

File Path 1: \\192.168.50.6\chem\50MSS2.i\060914cal.b
 Matrix Codes: [G]as, [L]iquid, [S]olid, [N]one
 Report Date: 07:38 06/10/2014

SN
061014

INSTRUMENT RUN LOG
Pace Analytical Services, Inc.

Instrument: 50MSS3.i
Column Om X 2mm
Misc. Prep Info [G]:
Misc. Prep Info [L]:
ISTD lot: 7540-025
Tune std: _____

Method:

Surr. lot: see extract sheet
Cal. std: _____

Path/File	Smp Info	Mtrx/Batch	Type	DF	Method	Date	Time	Oper	Comments
1/dftpp-a.d	TUNE,70508:1	G/15474	DFTPP	1	sw846tun	6/10/14	10:13	SN	GOOD
1/5ppm.d	CAL2,70285:1	L/15474	CALIB_2	1	8270c	6/10/14	10:37	SN	} Good curve
1/10ppm.d	CAL3,70286:1	L/15474	CALIB_3	1	8270c	6/10/14	11:00	SN	
1/20ppm.d	CAL4,70287:1	L/15474	CALIB_4	1	8270c	6/10/14	11:24	SN	
1/50ppm.d	CAL5,70288:1	L/15474	CALIB_5	1	8270c	6/10/14	11:47	SN	
1/100ppm.d	CAL6,70289:1	L/15474	CALIB_6	1	8270c	6/10/14	12:11	SN	
1/150ppm.d	CAL7,70290:1	L/15474	CALIB_7	1	8270c	6/10/14	12:34	SN	} Good curve
1/175ppm.d	CAL8,70291:1	L/15474	CALIB_8	1	8270c	6/10/14	12:58	SN	
1/200ppm.d	CAL9,70292:1	L/15474	CALIB_9	1	8270c	6/10/14	13:21	SN	
1/100ppmicv.d	ICV,70293:1	L/15474	LCS	1	8270c	6/10/14	13:45	SN	GOOD

File Path 1: \\192.168.50.6\chem\50MSS3.i\061014cal8270.b
Matrix Codes: [G]as, [L]iquid, [S]olid, [N]one
Report Date: 06:45 06/13/2014

Page: 1

OEM
6.13.14

INSTRUMENT RUN LOG
Pace Analytical Services, Inc.

Instrument: 50MSS2.i
 Column .50um DB-5ms 30m X 0.25mm He Method: Semivolatile REPORT SW-846 Met
 Misc. Prep Info [G]:
 Misc. Prep Info [L]:
 Misc. Prep Info [S]:
 ISTD lot: 64176:1 Surr. lot:
 Tune std: _____ Cal. std: _____

Path/File	Smp Info	Mtrx/Batch	Type	DF	Method	Date	Time	Oper	Comments
1/mecl2-a.d	PBLK,65934:1	L/	SAMPLE	1	8270c	6/24/14	14:14	SN	
1/dftpp-a.d	TUNE,71356:1	G/	DFTPP	1	sw846tun	6/24/14	14:36	SN	GOOD
1/100ppm-a.d	CCV,71288:1	L/	CCALIB_6	1	8270c	6/24/14	14:59	SN	GOOD
1/5099559005.d	5099559005	S/15562	SAMPLE	1	8270c	6/24/14	15:21	SN	
1/5099559006.d	5099559006	S/15562	SAMPLE	1	8270c	6/24/14	15:44	SN	
1/5099559008.d	5099559008	S/15562	SAMPLE	1	8270c	6/24/14	16:06	SN	
1/1116331b.d	1116331	L/15566	BLANK	1	8270c	6/24/14	16:29	SN	
1/11163321.d	1116332	L/15566	LCS	1	8270c	6/24/14	16:52	SN	
1/5099603001.d	5099603001	L/15566	SAMPLE	1	8270c	6/24/14	17:16	SN	
1/5099603002.d	5099603002	L/15566	SAMPLE	1	8270c	6/24/14	17:39	SN	
1/5099603003.d	5099603003	L/15566	SAMPLE	1	8270c	6/24/14	18:02	SN	
1/5099603004.d	5099603004	L/15566	SAMPLE	1	8270c	6/24/14	18:25	SN	
1/5099603005.d	5099603005	L/15566	SAMPLE	1	8270c	6/24/14	18:48	SN	
1/5099573008.d	5099573008	L/15566	SAMPLE	1	8270c	6/24/14	19:11	SN	
1/5099573009.d	5099573009	L/15566	SAMPLE	1	8270c	6/24/14	19:34	SN	
1/5099578005.d	5099578005	L/15566	SAMPLE	1	8270c	6/24/14	19:57	SN	
1/5099578011.d	5099578011	L/15566	SAMPLE	1	8270c	6/24/14	20:20	SN	
1/5099578012.d	5099578012	L/15566	SAMPLE	1	8270c	6/24/14	20:43	SN	
1/5099688013.d	5099688013	L/15566	SAMPLE	1	8270c	6/24/14	21:06	SN	
1/5099572001.d	5099572001	L/15567	SAMPLE	1	8270c	6/24/14	21:30	SN	
1/5099572002.d	5099572002	L/15567	SAMPLE	1	8270c	6/24/14	21:53	SN	
1/5099572003.d	5099572003	L/15567	SAMPLE	1	8270c	6/24/14	22:16	SN	
1/5099572004.d	5099572004	L/15567	SAMPLE	1	8270c	6/24/14	22:39	SN	

SN
062514

File Path 1: \\192.168.50.6\chem\50MSS2.i\062414.b
 Matrix Codes: [G]as, [L]iquid, [S]olid, [N]one
 Report Date: 09:43 06/25/2014

INSTRUMENT RUN LOG
Pace Analytical Services, Inc.

Instrument: 50MSS3.i
 Column .50um DB-5ms 30m X 0.25mm He Method: Semivolatile REPORT SW-846 Met
 Misc. Prep Info [G]:
 Misc. Prep Info [L]:
 Misc. Prep Info [S]:
 ISTD lot: 52397:1 Surr. lot:
 Tune std: _____ Cal. std: _____

Path/File	Smp Info	Mtrx/Batch	Type	DF	Method	Date	Time	Oper	Comments
1/mecl2-a.d	PBLK,61826:1	L/	SAMPLE	1	8270c	6/27/14	12:41	CEM	
1/dftpp-a.d	TUNE,70900:1	G/	DFTPP	1	sw846tun	6/27/14	13:04	CEM	GOOD
1/100ppm-a.d	CCV, 71288:1	L/	CCALIB_6	1	8270c	6/27/14	13:28	CEM	GOOD
1/1119474b.d	1119474	L/15595	SAMPLE	1	8270c	6/27/14	13:51	CEM	
1/11194751.d	1119475	L/15595	SAMPLE	1	8270c	6/27/14	14:14	CEM	
1/5099578005r.d	5099578005	L/15595	SAMPLE	1	8270c	6/27/14	14:38	CEM	
1/1117087b.d	1117087	S/15583	BLANK	1	8270c	6/27/14	15:01	CEM	
1/11170881.d	1117088	S/15583	LCS	1	8270c	6/27/14	15:24	CEM	
1/5099682007.d	5099682007	S/15583	SAMPLE	1	8270c	6/27/14	15:48	CEM	
1/5099682008x5.d	5099682008x5	S/15583	SAMPLE	5	8270c	6/27/14	16:11	CEM	
1/5099682009.d	5099682009	S/15583	SAMPLE	1	8270c	6/27/14	16:34	CEM	
1/5099682010.d	5099682010	S/15583	SAMPLE	1	8270c	6/27/14	16:58	CEM	
1/5099688001.d	5099688001	S/15583	SAMPLE	1	8270c	6/27/14	17:21	CEM	
1/1117089m.d	1117089	S/15583	MS	1	8270c	6/27/14	17:44	CEM	
1/1117090d.d	1117090	S/15583	MSD	1	8270c	6/27/14	18:08	CEM	
1/5099688002.d	5099688002	S/15583	SAMPLE	1	8270c	6/27/14	18:31	CEM	
1/5099688003.d	5099688003	S/15583	SAMPLE	1	8270c	6/27/14	18:54	CEM	
1/5099688004.d	5099688004	S/15583	SAMPLE	1	8270c	6/27/14	19:18	CEM	
1/5099688005.d	5099688005	S/15583	SAMPLE	1	8270c	6/27/14	19:41	CEM	
1/5099688006.d	5099688006	S/15583	SAMPLE	1	8270c	6/27/14	20:04	CEM	
1/5099688007.d	5099688007	S/15583	SAMPLE	1	8270c	6/27/14	20:28	CEM	
1/5099688008.d	5099688008	S/15583	SAMPLE	1	8270c	6/27/14	20:51	CEM	
1/1117091m.d	1117091	S/15583	MS	1	8270c	6/27/14	21:14	CEM	
1/1117092d.d	1117092	S/15583	MSD	1	8270c	6/27/14	21:38	CEM	
1/5099688009.d	5099688009	S/15583	SAMPLE	1	8270c	6/27/14	22:01	CEM	
1/5099688010.d	5099688010	S/15583	SAMPLE	1	8270c	6/27/14	22:24	CEM	
1/5099688011.d	5099688011	S/15583	SAMPLE	1	8270c	6/27/14	22:48	CEM	Reextract ↓ ↓
1/5099688012.d	5099688012	S/15583	SAMPLE	1	8270c	6/27/14	23:11	CEM	
1/5099559002r.d	5099559002	L/15583	SAMPLE	1	8270c	6/27/14	23:34	CEM	
1/5099576003r.d	5099576003	L/15583	SAMPLE	1	8270c	6/27/14	23:58	CEM	
1/mecl2-b.d	PBLK,61826:1	L/	SAMPLE	1	8270c	6/28/14	00:21	CEM	
1/dftpp-b.d	TUNE,70900:1	G/	DFTPP	1	sw846tun	6/28/14	00:45	CEM	GOOD

File Path 1: \\192.168.50.6\chem\50MSS3.i\062714.b
 Matrix Codes: [G]as, [L]iquid, [S]olid, [N]one
 Report Date: 10:56 06/30/2014

SN
063014
Page: 1

INSTRUMENT RUN LOG
Pace Analytical Services, Inc.

Instrument: 50MSS3.i

Column .50um DB-5ms 30m X 0.25mm He

Method: Semivolatile REPORT SW-846 M

Misc. Prep Info [G]:

Misc. Prep Info [L]:

Misc. Prep Info [S]:

ISTD lot: 7540-025

Surr. lot: see extract sheet

Tune std: _____

Cal. std: _____

Path/File	Smp Info	Mtrx/Batch	Type	DF	Method	Date	Time	Oper	Comments
1/100ppm-b.d	CCV, 71288:1	L/	CCALIB_6	1	8270c	6/28/14	01:08	CEM	<u>GOOD</u>
1/1118942b.d	1118942	S/15598	BLANK	1	8270c	6/28/14	01:32	CEM	
1/1118943l.d	1118943	S/15598	LCS	1	8270c	6/28/14	01:55	CEM	
1/5099889002.d	5099889002	S/15598	SAMPLE	1	8270c	6/28/14	02:18	CEM	
1/1118944m.d	1118944	S/15598	MS	1	8270c	6/28/14	02:42	CEM	
1/1118945d.d	1118945	S/15598	MSD	1	8270c	6/28/14	03:05	CEM	
1/5099889004.d	5099889004	S/15598	SAMPLE	1	8270c	6/28/14	03:28	CEM	
1/5099889006.d	5099889006	S/15598	SAMPLE	1	8270c	6/28/14	03:52	CEM	
1/5099856008.d	5099856008	S/15598	SAMPLE	1	8270c	6/28/14	04:15	CEM	
1/5099856009.d	5099856009	S/15598	SAMPLE	1	8270c	6/28/14	04:38	CEM	
1/5099856012.d	5099856012	S/15598	SAMPLE	1	8270c	6/28/14	05:02	CEM	
1/5099856013.d	5099856013	S/15598	SAMPLE	1	8270c	6/28/14	05:25	CEM	
1/5099916001.d	5099916001	S/15598	SAMPLE	1	8270c	6/28/14	05:48	CEM	
1/5099916002.d	5099916002	S/15598	SAMPLE	1	8270c	6/28/14	06:12	CEM	
1/5099916003.d	5099916003	S/15598	SAMPLE	1	8270c	6/28/14	06:35	CEM	
1/5099916004.d	5099916004	S/15598	SAMPLE	1	8270c	6/28/14	06:59	CEM	
1/5099916005.d	5099916005	S/15598	SAMPLE	1	8270c	6/28/14	07:22	CEM	
1/5099916006.d	5099916006	S/15598	SAMPLE	1	8270c	6/28/14	07:45	CEM	
1/5099916007.d	5099916007	S/15598	SAMPLE	1	8270c	6/28/14	08:09	CEM	
1/5099916008.d	5099916008	S/15598	SAMPLE	1	8270c	6/28/14	08:32	CEM	
1/5099933001x10.d	5099933001x10	S/15598	SAMPLE	10	8270c	6/28/14	08:56	CEM	*
1/5099933002.d	5099933002	S/15598	SAMPLE	1	8270c	6/28/14	09:19	CEM	
1/5099933003.d	5099933003	S/15598	SAMPLE	1	8270c	6/28/14	09:42	CEM	
1/1119272b.d	1119272	L/15602	BLANK	1	8270c	6/28/14	10:06	CEM	
1/1119273l.d	1119273	L/15602	LCS	1	8270c	6/28/14	10:29	CEM	
1/5099903001.d	5099903001	L/15602	SAMPLE	1	8270c	6/28/14	10:52	CEM	
1/5099903002.d	5099903002	L/15602	SAMPLE	1	8270c	6/28/14	11:16	CEM	
1/5099903003.d	5099903003	L/15602	SAMPLE	1	8270c	6/28/14	11:39	CEM	

File Path 1: \\192.168.50.6\chem\50MSS3.i\062714.b

Matrix Codes: [G]as, [L]iquid, [S]olid, [N]one

Report Date: 10:56 06/30/2014

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SN
063014

PCB - FORM II SVOA-1
SOLID SEMI-VOLATILE SURROGATE RECOVERY

Lab Name: Pace Analytical - Indiana SDG No.: 5099688 Contract: Sibley-Accucast/2339-356-

Instrument ID: 50GCS8

LAB SAMPLE ID	SAMPLE NAME	TCMX
1117906	1117906BLANK	88
1117907	1117907LCS	89
1117908	1117908MS	57
1117909	1117909MSD	90
1117946	1117946BLANK	86
1117947	1117947LCS	86
1117948	1117948MS	74
1117949	1117949MSD	78
1118946	1118946BLANK	92
1118947	1118947LCS	87
5099688001	TMW-5(12-14)	84
5099688002	TMW-5(2-4)	89
5099688003	TMW-4(14-16)	72
5099688004	TMW-4(5-7)	91
5099688005	P-5(10-12)	76
5099688006	P-5(2-4)	81
5099688007	TMW-6(14-16)	74
5099688008	TMW-6(2-4)	80
5099688009	P-6(10-12)	79
5099688010	P-6(2-4)	72
5099688011	P-3 RE(2-4)	62
5099688012	P-8 RE(0-2)	0*

QC LIMITS
(30-106)

(TCMX) = Tetrachloro-m-xylene (S)

* Values outside of QC Limits

PCB - FORM II SVOA-2
WATER SEMI-VOLATILE SURROGATE RECOVERY

Lab Name: Pace Analytical - Indiana SDG No.: 5099688 Contract: Sibley-Accucast/2339-356-

Instrument ID: 50GCS8

LAB SAMPLE ID	SAMPLE NAME	TCMX
1115924	1115924BLANK	86
1115925	1115925LCS	85
5099688013	SOIL EQ BLANK	79

(TCMX) = Tetrachloro-m-xylene (S)

QC LIMITS
(32-115)

* Values outside of QC Limits

PCB - FORM III SVOA-1
WATER LABORATORY CONTROL SAMPLE RECOVERY

Lab Name: Pace Analytical - Indiana

Lab Sample ID: 1115925LCS

Date Extracted: 06/23/2014

Date Analyzed (1): 06/24/2014

Instrument: 50GCS8

LCS Lot No: 69573

Lab File ID: 062414.B\023F1701.D

SDG No.: 5099688

COMPOUND	AMOUNT ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS %REC	QC LIMITS REC.
PCB-1016 (Aroclor 1016)	5.0	4.3	85	50-114
PCB-1260 (Aroclor 1260)	5.0	4.2	85	44-120

Spike Recovery: 0 out of 2 outside limits.

07/21/2014 8:52

PCB - FORM III SVOA-1
SOLID LABORATORY CONTROL SAMPLE RECOVERY

Lab Name: Pace Analytical - Indiana

Lab Sample ID: 1117907LCS

Date Extracted: 06/26/2014

Date Analyzed (1): 06/26/2014

Instrument: 50GCS8

LCS Lot No: 69573

Lab File ID: 062614.B\046B4401.D

SDG No.: 5099688

COMPOUND	AMOUNT ADDED (ug/kg)	LCS CONCENTRATION (ug/kg)	LCS %REC	QC LIMITS REC.
PCB-1016 (Aroclor 1016)	167	135	81	42-100
PCB-1260 (Aroclor 1260)	167	152	91	40-106

Spike Recovery: 0 out of 2 outside limits.

07/21/2014 8:52

PCB - FORM III SVOA-1
SOLID LABORATORY CONTROL SAMPLE RECOVERY

Lab Name: Pace Analytical - Indiana

Lab Sample ID: 1117947LCS

Date Extracted: 06/26/2014

Date Analyzed (1): 06/27/2014

Instrument: 50GCS8

LCS Lot No: 69573

Lab File ID: 062614.B\093B9301.D

SDG No.: 5099688

COMPOUND	AMOUNT ADDED (ug/kg)	LCS CONCENTRATION (ug/kg)	LCS %REC	QC LIMITS REC.
PCB-1016 (Aroclor 1016)	167	134	81	42-100
PCB-1260 (Aroclor 1260)	167	141	85	40-106

Spike Recovery: 0 out of 2 outside limits.

07/21/2014 8:52

PCB - FORM III SVOA-1
SOLID LABORATORY CONTROL SAMPLE RECOVERY

Lab Name: Pace Analytical - Indiana

Lab Sample ID: 1118947LCS

Date Extracted: 06/27/2014

Date Analyzed (1): 07/01/2014

Instrument: 50GCS8

LCS Lot No: 69573

Lab File ID: 070114.B\048B4601.D

SDG No.: 5099688

COMPOUND	AMOUNT ADDED (ug/kg)	LCS CONCENTRATION (ug/kg)	LCS %REC	QC LIMITS REC.
PCB-1016 (Aroclor 1016)	167	130	78	42-100
PCB-1260 (Aroclor 1260)	167	135	81	40-106

Spike Recovery: 0 out of 2 outside limits.

07/21/2014 8:52

PCB - FORM III SVOA-1

SOLID SEMI-VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Pace Analytical - IndianaMatrix Spike - Sample No: 1117908MSDate Extracted: 06/26/2014Date Analyzed (1): 06/27/2014Instrument: 50GCS8Lab File ID: 062614.B\065B6301.DParent Sample ID: TMW-5(12-14)SDG No.: 5099688

COMPOUND	SPIKE ADDED (ug/kg)	SAMPLE CONCENTRATION (ug/kg)	MS CONCENTRATION (ug/kg)	MS %REC	QC LIMITS REC.
PCB-1016 (Aroclor 1016)	174	ND	69.7J	40	10-145
PCB-1260 (Aroclor 1260)	174	ND	59.1J	34	16-132

Spike Recovery: 0 out of 2 outside limits.

07/21/2014 8:53

PCB - FORM III SVOA-2
SOLID SEMI-VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Instrument (2): 50GCS8 Matrix Spike Duplicate - Sample No: 1117909MSD
Lab File ID (2): 062614.B\066B6401.D Date Analyzed (2): 06/27/2014

COMPOUND	SPIKE ADDED (ug/kg)	MSD CONCENTRATION (ug/kg)	MSD %REC	%RPD	QC LIMITS	
					RPD	REC.
PCB-1016 (Aroclor 1016)	174	145	83		0-20	10-145
PCB-1260 (Aroclor 1260)	174	149	85		0-20	16-132

RPD: 0 out of 0 outside limits.

Spike Recovery: 0 out of 2 outside limits.

PCB - FORM III SVOA-1

SOLID SEMI-VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Pace Analytical - Indiana

Matrix Spike - Sample No: 1117948MS

Date Extracted: 06/26/2014

Date Analyzed (1): 06/27/2014

Instrument: 50GCS8

Lab File ID: 062614.B\099B9901.D

Parent Sample ID: TMW-6(2-4)

SDG No.: 5099688

COMPOUND	SPIKE ADDED (ug/kg)	SAMPLE CONCENTRATION (ug/kg)	MS CONCENTRATION (ug/kg)	MS %REC	QC LIMITS REC.
PCB-1016 (Aroclor 1016)	190	ND	131	69	10-145
PCB-1260 (Aroclor 1260)	190	ND	131	69	16-132

Spike Recovery: 0 out of 2 outside limits.

07/21/2014 8:52

PCB - FORM III SVOA-2
SOLID SEMI-VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Instrument (2): 50GCS8 Matrix Spike Duplicate - Sample No: 1117949MSD
 Lab File ID (2): 062614.B\100BA001.D Date Analyzed (2): 06/27/2014

COMPOUND	SPIKE ADDED (ug/kg)	MSD CONCENTRATION (ug/kg)	MSD %REC	%RPD	QC LIMITS	
					RPD	REC.
PCB-1016 (Aroclor 1016)	190	134	70	2	0-20	10-145
PCB-1260 (Aroclor 1260)	190	142	75	8	0-20	16-132

RPD: 0 out of 2 outside limits.

Spike Recovery: 0 out of 2 outside limits.

PCB - FORM III SVOA-1

SOLID SEMI-VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Pace Analytical - Indiana

Matrix Spike - Sample No: 1118948MS

Date Extracted: 06/27/2014

Date Analyzed (1): 07/01/2014

Instrument: 50GCS8

Lab File ID: 070114.B\057B5501.D

Parent Sample ID: 5099765001

SDG No.: 5099688

COMPOUND	SPIKE ADDED (ug/kg)	SAMPLE CONCENTRATION (ug/kg)	MS CONCENTRATION (ug/kg)	MS %REC	QC LIMITS REC.
PCB-1016 (Aroclor 1016)	186	ND	138	74	10-145
PCB-1260 (Aroclor 1260)	186	ND	133	71	16-132

Spike Recovery: 0 out of 2 outside limits.

07/21/2014 8:52

PCB - FORM III SVOA-2
SOLID SEMI-VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Instrument (2): 50GCS8 Matrix Spike Duplicate - Sample No: 1118949MSD
Lab File ID (2): 070114.B\058B5601.D Date Analyzed (2): 07/01/2014

COMPOUND	SPIKE ADDED (ug/kg)	MSD CONCENTRATION (ug/kg)	MSD %REC	%RPD	QC LIMITS	
					RPD	REC.
PCB-1016 (Aroclor 1016)	185	139	75	1	0-20	10-145
PCB-1260 (Aroclor 1260)	185	131	71	1	0-20	16-132

RPD: 0 out of 2 outside limits.

Spike Recovery: 0 out of 2 outside limits.

07/21/2014 8:52

PCB - FORM IV SVOA-1
SEMI-VOLATILE METHOD BLANK SUMMARY

SAMPLE NO.

1115924BLANK

Lab Name: Pace Analytical - Indiana SDG No.: 5099688 Contract: Sibley-Accucast/2339-356-
Instrument ID: 50GCS8 Matrix: Water Lab Sample ID: 1115924
Lab File ID: 062414.B\022F1601.D Date Analyzed: 06/24/2014 Time: 19:07

SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	ANALYZED
1115925LCS	1115925	062414.B\023F1701.D	06/24/2014 19:13
SOIL EQ BLANK	5099688013	062414.B\037F3101.D	06/24/2014 20:34

PCB - FORM IV SVOA-1
SEMI-VOLATILE METHOD BLANK SUMMARY

SAMPLE NO.

1117906BLANK

Lab Name: Pace Analytical - Indiana SDG No.: 5099688 Contract: Sibley-Accucast/2339-356-
Instrument ID: 50GCS8 Matrix: Solid Lab Sample ID: 1117906
Lab File ID: 062614.B\045B4301.D Date Analyzed: 06/26/2014 Time: 22:36

SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	ANALYZED
1117907LCS	1117907	062614.B\046B4401.D	06/26/2014 22:42
TMW-5(12-14)	5099688001	062614.B\064B6201.D	06/27/2014 00:26
1117908MS	1117908	062614.B\065B6301.D	06/27/2014 00:32
1117909MSD	1117909	062614.B\066B6401.D	06/27/2014 00:38
TMW-5(2-4)	5099688002	062614.B\067B6501.D	06/27/2014 00:43
TMW-4(14-16)	5099688003	062614.B\068B6601.D	06/27/2014 00:49

PCB - FORM IV SVOA-1
SEMI-VOLATILE METHOD BLANK SUMMARY

SAMPLE NO.

1117946BLANK

Lab Name: Pace Analytical - Indiana SDG No.: 5099688 Contract: Sibley-Accucast/2339-356-
Instrument ID: 50GCS8 Matrix: Solid Lab Sample ID: 1117946
Lab File ID: 062614.B\092B9201.D Date Analyzed: 06/27/2014 Time: 03:20

SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	ANALYZED
1117947LCS	1117947	062614.B\093B9301.D	06/27/2014 03:26
TMW-4(5-7)	5099688004	062614.B\094B9401.D	06/27/2014 03:31
P-5(10-12)	5099688005	062614.B\095B9501.D	06/27/2014 03:37
P-5(2-4)	5099688006	062614.B\096B9601.D	06/27/2014 03:43
TMW-6(14-16)	5099688007	062614.B\097B9701.D	06/27/2014 03:49
TMW-6(2-4)	5099688008	062614.B\098B9801.D	06/27/2014 03:55
1117948MS	1117948	062614.B\099B9901.D	06/27/2014 04:00
1117949MSD	1117949	062614.B\100BA001.D	06/27/2014 04:06

PCB - FORM IV SVOA-1
SEMI-VOLATILE METHOD BLANK SUMMARY

SAMPLE NO.

1118946BLANK

Lab Name: Pace Analytical - Indiana SDG No.: 5099688 Contract: Sibley-Accucast/2339-356-

Instrument ID: 50GCS8 Matrix: Solid Lab Sample ID: 1118946

Lab File ID: 070114.B\047B4501.D Date Analyzed: 07/01/2014 Time: 17:03

SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	ANALYZED
1118947LCS	1118947	070114.B\048B4601.D	07/01/2014 17:09
P-6(10-12)	5099688009	070114.B\049B4701.D	07/01/2014 17:15
P-6(2-4)	5099688010	070114.B\050B4801.D	07/01/2014 17:21
P-8 RE(0-2)	5099688012	070214.B\028B2301.D	07/02/2014 22:51
P-3 RE(2-4)	5099688011	070314.B\023B1801.D	07/03/2014 18:41

PCB - FORM VI SVOA-1
PCB INITIAL CALIBRATION (MULTIPOINT)

Lab Name: Pace Analytical - Indiana Instrument ID: 50GCS8 GC Column: Col 1 SDG No.: 5099688
 Calibration Date(s): 06/18/2014 06/18/2014 Calibration Time(s): 16:56 17:31

LAB FILE ID

CAL1A = 061814CAL.B\011F2001.D CAL2A = 061814CAL.B\012F2101.D CAL3A = 061814CAL.B\013F2201.D
 CAL4A = 061814CAL.B\014F2301.D CAL5A = 061814CAL.B\015F2401.D CAL6A = 061814CAL.B\016F2501.D
 CAL7A = 061814CAL.B\017F2601.D

COMPOUND	PEAK	CAL1	CAL2	CAL3	CAL4	CAL5	CAL6	CAL7
Aroclor 1016		848240.00	935010.00	984796.00	995204.00	999510.66	874084.00	914674.80
Aroclor 1016		2340940.0	2482420.0	2671848.0	2685852.0	2710297.3	2581004.0	2619724.4
Aroclor 1016		938680.00	1026450.0	1074456.0	1082812.0	1086180.0	997676.00	998902.80
Aroclor 1016		1044140.0	1130390.0	1200236.0	1210432.0	1217149.3	1121672.0	1120039.8
Aroclor 1016		913120.00	999510.00	1055468.0	1071206.0	1083645.3	1014172.0	996608.60
Aroclor 1260		1523700.0	1610840.0	1699868.0	1718610.0	1727578.6	1648160.0	1632990.8
Aroclor 1260		2228620.0	2366420.0	2520724.0	2537834.0	2546194.6	2460705.0	2442360.8
Aroclor 1260		1239480.0	1332250.0	1420056.0	1431430.0	1462184.0	1425510.0	1420650.6
Aroclor 1260		1515740.0	1627830.0	1761748.0	1785860.0	1809105.3	1756992.0	1785075.0
Aroclor 1260		990000.00	1020840.0	1111352.0	1137488.0	1151668.0	1122838.0	1128394.4
Tetrachloro-m-xylene		30087640.	31606870.	33623476.	33840796.	34518152.	34045155.	

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

07/21/2014 8:53

PCB - FORM VI SVOA-2
PCB INITIAL CALIBRATION (MULTIPOINT)

Lab Name: Pace Analytical - Indiana Instrument ID: 50GCS8 GC Column: Col 1 SDG No.: 5099688
 Calibration Date(s): 06/18/2014 06/18/2014 Calibration Time(s): 16:56 17:31

LAB FILE ID

CAL1A = 061814CAL.B\011F2001.D CAL2A = 061814CAL.B\012F2101.D CAL3A = 061814CAL.B\013F2201.D
 CAL4A = 061814CAL.B\014F2301.D CAL5A = 061814CAL.B\015F2401.D CAL6A = 061814CAL.B\016F2501.D
 CAL7A = 061814CAL.B\017F2601.D

COMPOUND	PEAK	\overline{RF}	%RSD
Aroclor 1016		935931.35	6.45
Aroclor 1016		2584583.6	5.11
Aroclor 1016		1029308.1	5.36
Aroclor 1016		1149151.3	5.50
Aroclor 1016		1019104.2	5.71
Aroclor 1260		1651678.2	4.34
Aroclor 1260		2443265.4	4.66
Aroclor 1260		1390222.9	5.57
Aroclor 1260		1720335.7	6.27
Aroclor 1260		1094654.3	5.74
Tetrachloro-m-xylene		32953681.	5.23

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

07/21/2014 8:53

PCB - FORM VI SVOA-1
PCB INITIAL CALIBRATION (MULTIPOINT)

Lab Name: Pace Analytical - Indiana Instrument ID: 50GCS8 GC Column: Col 2 SDG No.: 5099688
 Calibration Date(s): 06/18/2014 06/18/2014 Calibration Time(s): 17:02 17:36

LAB FILE ID

CAL1A = 061814CAL.B\011B2101.D CAL2A = 061814CAL.B\012B2201.D CAL3A = 061814CAL.B\013B2301.D
 CAL4A = 061814CAL.B\014B2401.D CAL5A = 061814CAL.B\015B2501.D CAL6A = 061814CAL.B\016B2601.D
 CAL7A = 061814CAL.B\017B2701.D

COMPOUND	PEAK	CAL1	CAL2	CAL3	CAL4	CAL5	CAL6	CAL7
Aroclor 1016		2680460.0	2688760.0	2922772.0	2796904.0	2794200.0	2712293.0	2527614.2
Aroclor 1016		5088400.0	5208530.0	5712608.0	5797414.0	5680889.3	5597069.0	5835160.6
Aroclor 1016		2346480.0	2382470.0	2621232.0	2626948.0	2527833.3	2466338.0	2279112.2
Aroclor 1016		1550540.0	1583270.0	1794560.0	1804752.0	1749964.0	1733515.0	1592677.2
Aroclor 1016		2297880.0	2315790.0	2562564.0	2571626.0	2496389.3	2428668.0	2345443.6
Aroclor 1260		3388680.0	3603030.0	3783416.0	3827268.0	3725640.0	3793043.0	3787572.6
Aroclor 1260		4099300.0	4353500.0	4534160.0	4581568.0	4471185.3	4549372.0	4545006.8
Aroclor 1260		3326060.0	3523790.0	3688632.0	3749056.0	3660354.6	3726888.0	3776771.4
Aroclor 1260		5265120.0	5613580.0	5980292.0	6147574.0	6048696.0	6245904.0	6714607.0
Aroclor 1260		1918460.0	2008050.0	2136584.0	2175774.0	2142173.3	2197199.0	2229246.2
Tetrachloro-m-xylene		64597060.	68432760.	74183472.	74730098.	77728944.	78480899.	

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

PCB - FORM VI SVOA-2
PCB INITIAL CALIBRATION (MULTIPOINT)

Lab Name: Pace Analytical - Indiana Instrument ID: 50GCS8 GC Column: Col 2 SDG No.: 5099688
 Calibration Date(s): 06/18/2014 06/18/2014 Calibration Time(s): 17:02 17:36

LAB FILE ID

CAL1A = 061814CAL.B\011B2101.D CAL2A = 061814CAL.B\012B2201.D CAL3A = 061814CAL.B\013B2301.D
 CAL4A = 061814CAL.B\014B2401.D CAL5A = 061814CAL.B\015B2501.D CAL6A = 061814CAL.B\016B2601.D
 CAL7A = 061814CAL.B\017B2701.D

COMPOUND	PEAK	\overline{RF}	%RSD
Aroclor 1016		2731857.6	4.51
Aroclor 1016		5560010.1	5.28
Aroclor 1016		2464344.7	5.49
Aroclor 1016		1687039.7	6.39
Aroclor 1016		2431194.4	4.74
Aroclor 1260		3701235.6	4.22
Aroclor 1260		4447727.4	3.85
Aroclor 1260		3635936.0	4.39
Aroclor 1260		6002253.2	7.71
Aroclor 1260		2115355.2	5.27
Tetrachloro-m-xylene		73025538.	7.45

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

PCB - FORM VI SVOA-1
PCB INITIAL CALIBRATION RETENTION TIME (MULTIPOINT)

Lab Name: Pace Analytical - Indiana Instrument ID: 50GCS8 GC Column: Col 1 SDG No.: 5099688
 Calibration Date(s): 06/18/2014 06/18/2014 Calibration Time(s): 16:56 17:31

LAB FILE ID

CAL1A = 061814CAL.B\011F2001.D CAL2A = 061814CAL.B\012F2101.D CAL3A = 061814CAL.B\013F2201.D
 CAL4A = 061814CAL.B\014F2301.D CAL5A = 061814CAL.B\015F2401.D CAL6A = 061814CAL.B\016F2501.D
 CAL7A = 061814CAL.B\017F2601.D

COMPOUND	PEAK	CAL1	CAL2	CAL3	CAL4	CAL5	CAL6	CAL7
Aroclor 1016		1.356	1.356	1.358	1.358	1.357	1.357	1.358
Aroclor 1016		1.476	1.476	1.478	1.477	1.477	1.477	1.478
Aroclor 1016		1.506	1.506	1.508	1.507	1.507	1.507	1.508
Aroclor 1016		1.673	1.673	1.675	1.674	1.675	1.675	1.675
Aroclor 1016		1.712	1.712	1.714	1.713	1.713	1.714	1.714
Aroclor 1260		2.086	2.086	2.087	2.087	2.087	2.087	2.088
Aroclor 1260		2.168	2.167	2.168	2.168	2.168	2.169	2.17
Aroclor 1260		2.362	2.362	2.362	2.362	2.362	2.363	2.363
Aroclor 1260		2.529	2.529	2.529	2.53	2.529	2.529	2.53
Aroclor 1260		2.712	2.711	2.712	2.712	2.712	2.712	2.712
Tetrachloro-m-xylene		.835	.833	.839	.84	.837	.836	.858

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

07/21/2014 8:53

PCB - FORM VI SVOA-2
PCB INITIAL CALIBRATION RETENTION TIME (MULTIPOINT)

Lab Name: Pace Analytical - Indiana Instrument ID: 50GCS8 GC Column: Col 1 SDG No.: 5099688
 Calibration Date(s): 06/18/2014 06/18/2014 Calibration Time(s): 16:56 17:31

LAB FILE ID

CAL1A = 061814CAL.B\011F2001.D CAL2A = 061814CAL.B\012F2101.D CAL3A = 061814CAL.B\013F2201.D
 CAL4A = 061814CAL.B\014F2301.D CAL5A = 061814CAL.B\015F2401.D CAL6A = 061814CAL.B\016F2501.D
 CAL7A = 061814CAL.B\017F2601.D

COMPOUND	PEAK	RT	RT WINDOW	
			FROM	TO
Aroclor 1016		1.358	1.343	1.373
Aroclor 1016		1.478	1.463	1.493
Aroclor 1016		1.508	1.493	1.523
Aroclor 1016		1.675	1.66	1.69
Aroclor 1016		1.714	1.699	1.729
Aroclor 1260		2.088	2.073	2.103
Aroclor 1260		2.17	2.155	2.185
Aroclor 1260		2.363	2.348	2.378
Aroclor 1260		2.53	2.515	2.545
Aroclor 1260		2.712	2.697	2.727
Tetrachloro-m-xylene		.858	.828	.888

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

07/21/2014 8:53

PCB - FORM VI SVOA-1
PCB INITIAL CALIBRATION RETENTION TIME (MULTIPOINT)

Lab Name: Pace Analytical - Indiana Instrument ID: 50GCS8 GC Column: Col 2 SDG No.: 5099688
 Calibration Date(s): 06/18/2014 06/18/2014 Calibration Time(s): 17:02 17:36

LAB FILE ID

CAL1A = 061814CAL.B\011B2101.D CAL2A = 061814CAL.B\012B2201.D CAL3A = 061814CAL.B\013B2301.D
 CAL4A = 061814CAL.B\014B2401.D CAL5A = 061814CAL.B\015B2501.D CAL6A = 061814CAL.B\016B2601.D
 CAL7A = 061814CAL.B\017B2701.D

COMPOUND	PEAK	CAL1	CAL2	CAL3	CAL4	CAL5	CAL6	CAL7
Aroclor 1016		1.277	1.278	1.278	1.277	1.277	1.278	1.278
Aroclor 1016		1.475	1.476	1.475	1.475	1.476	1.476	1.476
Aroclor 1016		1.514	1.513	1.513	1.513	1.514	1.513	1.513
Aroclor 1016		1.565	1.565	1.564	1.564	1.565	1.565	1.565
Aroclor 1016		1.685	1.686	1.685	1.686	1.686	1.686	1.686
Aroclor 1260		2.087	2.088	2.088	2.087	2.088	2.088	2.089
Aroclor 1260		2.149	2.149	2.149	2.149	2.149	2.149	2.151
Aroclor 1260		2.373	2.373	2.373	2.373	2.374	2.373	2.374
Aroclor 1260		2.566	2.567	2.567	2.566	2.568	2.568	2.569
Aroclor 1260		2.728	2.729	2.728	2.727	2.728	2.729	2.73
Tetrachloro-m-xylene		.745	.75	.747	.748	.747	.749	0

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

07/21/2014 8:53

PCB - FORM VI SVOA-2
PCB INITIAL CALIBRATION RETENTION TIME (MULTIPOINT)

Lab Name: Pace Analytical - Indiana Instrument ID: 50GCS8 GC Column: Col 2 SDG No.: 5099688
 Calibration Date(s): 06/18/2014 06/18/2014 Calibration Time(s): 17:02 17:36

LAB FILE ID

CAL1A = 061814CAL.B\011B2101.D CAL2A = 061814CAL.B\012B2201.D CAL3A = 061814CAL.B\013B2301.D
 CAL4A = 061814CAL.B\014B2401.D CAL5A = 061814CAL.B\015B2501.D CAL6A = 061814CAL.B\016B2601.D
 CAL7A = 061814CAL.B\017B2701.D

COMPOUND	PEAK	RT	RT WINDOW	
			FROM	TO
Aroclor 1016		1.278	1.263	1.293
Aroclor 1016		1.476	1.461	1.491
Aroclor 1016		1.513	1.498	1.528
Aroclor 1016		1.565	1.55	1.58
Aroclor 1016		1.686	1.671	1.701
Aroclor 1260		2.089	2.074	2.104
Aroclor 1260		2.151	2.136	2.166
Aroclor 1260		2.374	2.359	2.389
Aroclor 1260		2.569	2.554	2.584
Aroclor 1260		2.73	2.715	2.745
Tetrachloro-m-xylene		.749	.719	.779

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

07/21/2014 8:53

PCB - FORM VI SVOA-1
PCB INITIAL CALIBRATION DATA (SINGLE POINT)

Lab Name: Pace Analytical - Indiana Instrument ID: 50GCS8 GC Column: Col 1 SDG No.: 5099688
 Calibration Date(s): 06/18/2014 06/18/2014 Calibration Time(s): 16:16 16:39

LAB FILE ID

CAL4S = 061814CAL.B\007F1701.D CAL4S = 061814CAL.B\005F1501.D CAL4S = 061814CAL.B\004F1401.D
 CAL4S = 061814CAL.B\006F1601.D CAL6S = 061814CAL.B\003F1301.D

COMPOUND	AMOUNT	PEAK	RT	RT WINDOW		RESPONSE FACTOR
				FROM	TO	
Aroclor 1221	1	1	1.369	1.339	1.399	242792.000
Aroclor 1221	1	2	1.477	1.447	1.507	157939.000
Aroclor 1221	1	3	1.507	1.477	1.537	76232.0000
Aroclor 1221	1	4	2.013	1.983	2.043	40112.0000
Aroclor 1221	1	5	2.17	2.14	2.2	30951.0000
Aroclor 1232	.5	1	1.36	1.331	1.391	545876.000
Aroclor 1232	.5	2	1.476	1.447	1.507	1194854.00
Aroclor 1232	.5	3	1.507	1.478	1.538	488162.000
Aroclor 1232	.5	4	1.675	1.645	1.705	498422.000
Aroclor 1232	.5	5	1.877	1.848	1.908	417602.000
Aroclor 1242	.5	1	1.357	1.327	1.387	862586.000
Aroclor 1242	.5	2	1.476	1.447	1.507	2209718.00
Aroclor 1242	.5	3	1.506	1.476	1.536	879060.000
Aroclor 1242	.5	4	1.674	1.644	1.704	1029136.00
Aroclor 1242	.5	5	1.876	1.847	1.907	890022.000
Aroclor 1248	.5	1	1.476	1.447	1.507	1409424.00
Aroclor 1248	.5	2	1.674	1.644	1.704	1553518.00
Aroclor 1248	.5	3	1.714	1.684	1.744	1380230.00
Aroclor 1248	.5	4	1.877	1.848	1.908	1552700.00
Aroclor 1248	.5	5	2.013	1.983	2.043	830968.000
Aroclor 1254	.5	1	1.985	1.955	2.015	1570532.00
Aroclor 1254	.5	2	2.013	1.983	2.043	2472650.00
Aroclor 1254	.5	3	2.101	2.071	2.131	1863294.00
Aroclor 1254	.5	4	2.17	2.14	2.2	2440576.00
Aroclor 1254	.5	5	2.248	2.218	2.278	2536898.00
Tetrachloro-m-xylene	.5	S	.837	.828	.888	34045155.0
	1	S	.838			

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

PCB - FORM VI SVOA-1
PCB INITIAL CALIBRATION DATA (SINGLE POINT)

Lab Name: Pace Analytical - Indiana Instrument ID: 50GCS8 GC Column: Col 2 SDG No.: 5099688
 Calibration Date(s): 06/18/2014 06/18/2014 Calibration Time(s): 16:21 16:44

LAB FILE ID

CAL4S = 061814CAL.B\007B1801.D CAL4S = 061814CAL.B\006B1701.D CAL4S = 061814CAL.B\004B1501.D
 CAL4S = 061814CAL.B\005B1601.D CAL6S = 061814CAL.B\003B1401.D

COMPOUND	AMOUNT	PEAK	RT	RT WINDOW		RESPONSE FACTOR
				FROM	TO	
Aroclor 1221	1	1	1.327	1.298	1.358	300537.000
Aroclor 1221	1	2	1.475	1.445	1.505	371454.000
Aroclor 1221	1	3	1.513	1.484	1.544	193962.000
Aroclor 1221	1	4	1.883	1.854	1.914	66920.0000
Aroclor 1221	1	5	2.035	2.006	2.066	97378.0000
Aroclor 1232	.5	1	1.276	1.246	1.306	1408200.00
Aroclor 1232	.5	2	1.474	1.444	1.504	2574276.00
Aroclor 1232	.5	3	1.511	1.482	1.542	1182342.00
Aroclor 1232	.5	4	1.684	1.655	1.715	1047316.00
Aroclor 1232	.5	5	1.831	1.801	1.861	1106052.00
Aroclor 1242	.5	1	1.375	1.345	1.405	1785950.00
Aroclor 1242	.5	2	1.475	1.445	1.505	4584654.00
Aroclor 1242	.5	3	1.513	1.483	1.543	2074738.00
Aroclor 1242	.5	4	1.686	1.656	1.716	2066108.00
Aroclor 1242	.5	5	1.831	1.802	1.862	2297580.00
Aroclor 1248	.5	1	1.474	1.444	1.504	2847404.00
Aroclor 1248	.5	2	1.684	1.655	1.715	3220928.00
Aroclor 1248	.5	3	1.737	1.708	1.768	2243642.00
Aroclor 1248	.5	4	2.034	2.005	2.065	1770574.00
Aroclor 1248	.5	5	2.11	2.081	2.141	1209352.00
Aroclor 1254	.5	1	1.883	1.853	1.913	3311652.00
Aroclor 1254	.5	2	2.001	1.971	2.031	2735968.00
Aroclor 1254	.5	3	2.036	2.006	2.066	6442096.00
Aroclor 1254	.5	4	2.109	2.079	2.139	4113272.00
Aroclor 1254	.5	5	2.266	2.236	2.296	5045298.00
Tetrachloro-m-xylene	.5	S	.743	.719	.779	78480899.0
	1	S	.749			

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

PCB - FORM VII SVOA-1
PCB CALIBRATION VERIFICATION SUMMARY

SAMPLE NO.

6872693ICV

Lab Name: Pace Analytical - Indiana

Calibration Date: 06/18/2014 Time: 17:36

Instrument ID: 50GCS8 GC Column: Col 1

Init. Calib. Date(s): 06/18/2014 06/18/2014

Lab File ID: 061814CAL.B\018F2701.D

Init. Calib. Time(s): 16:16 17:31

SDG No.: 5099688

COMPOUND	PEAK	RT	RT WINDOW		\overline{CF}	CF	%D
			FROM	TO			
PCB-1016 (Aroclor 1016) (1)		1.357	1.343	1.373	935931.352	985474.000	5.2934
PCB-1016 (Aroclor 1016) (2)		1.477	1.463	1.493	2584583.67	2652948.00	2.6451
PCB-1016 (Aroclor 1016) (3)		1.507	1.493	1.523	1029308.11	1063970.00	3.3675
PCB-1016 (Aroclor 1016) (4)		1.674	1.66	1.69	1149151.30	1171212.00	1.9197
PCB-1016 (Aroclor 1016) (5)		1.714	1.699	1.729	1019104.27	1014850.00	-0.4175
PCB-1260 (Aroclor 1260) (1)		2.087	2.073	2.103	1651678.20	1680036.00	1.7169
PCB-1260 (Aroclor 1260) (2)		2.168	2.155	2.185	2443265.49	2502642.00	2.4302
PCB-1260 (Aroclor 1260) (3)		2.362	2.348	2.378	1390222.94	1497876.00	7.7436
PCB-1260 (Aroclor 1260) (4)		2.529	2.515	2.545	1720335.76	1866560.00	8.4997
PCB-1260 (Aroclor 1260) (5)		2.711	2.697	2.727	1094654.34	1100400.00	0.5249
Tetrachloro-m-xylene (S)		.837	.828	.888	32953681.5	34277680.0	4.0178

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

07/21/2014 8:53

PCB - FORM VII SVOA-1
PCB CALIBRATION VERIFICATION SUMMARY

SAMPLE NO.

6872715ICV

Lab Name: Pace Analytical - Indiana Calibration Date: 06/18/2014 Time: 17:42
 Instrument ID: 50GCS8 GC Column: Col 2 Init. Calib. Date(s): 06/18/2014 06/18/2014
 Lab File ID: 061814CAL.B\018B2801.D Init. Calib. Time(s): 16:21 17:36
 SDG No.: 5099688

COMPOUND	PEAK	RT	RT WINDOW		\overline{CF}	CF	%D
			FROM	TO			
PCB-1016 (Aroclor 1016) (1)		1.28	1.263	1.293	2731857.60	2713510.00	-0.6716
PCB-1016 (Aroclor 1016) (2)		1.477	1.461	1.491	5560010.13	5533630.00	-0.4745
PCB-1016 (Aroclor 1016) (3)		1.515	1.498	1.528	2464344.79	2467030.00	0.1090
PCB-1016 (Aroclor 1016) (4)		1.567	1.55	1.58	1687039.74	1666100.00	-1.2412
PCB-1016 (Aroclor 1016) (5)		1.686	1.671	1.701	2431194.41	2424256.00	-0.2854
PCB-1260 (Aroclor 1260) (1)		2.088	2.074	2.104	3701235.65	3623812.00	-2.0918
PCB-1260 (Aroclor 1260) (2)		2.149	2.136	2.166	4447727.44	4409684.00	-0.8553
PCB-1260 (Aroclor 1260) (3)		2.373	2.359	2.389	3635936.00	3682192.00	1.2722
PCB-1260 (Aroclor 1260) (4)		2.568	2.554	2.584	6002253.28	6126026.00	2.0621
PCB-1260 (Aroclor 1260) (5)		2.729	2.715	2.745	2115355.21	2058424.00	-2.6913
Tetrachloro-m-xylene (S)		.754	.719	.779	73025538.8	76004684.0	4.0796

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

07/21/2014 8:52

PCB - FORM VII SVOA-1
PCB CALIBRATION VERIFICATION SUMMARY

SAMPLE NO.

6898710CCV

Lab Name: Pace Analytical - Indiana

Calibration Date: 06/24/2014 Time: 18:55

Instrument ID: 50GCS8 GC Column: Col 1

Init. Calib. Date(s): 06/18/2014 06/18/2014

Lab File ID: 062414.B\011F1401.D

Init. Calib. Time(s): 16:16 17:31

SDG No.: 5099688

COMPOUND	PEAK	RT	RT WINDOW		\overline{CF}	CF	%D
			FROM	TO			
PCB-1016 (Aroclor 1016) (1)		1.354	1.338	1.368	935931.352	886570.000	-5.2740
PCB-1016 (Aroclor 1016) (2)		1.474	1.459	1.489	2584583.67	2435510.00	-5.7678
PCB-1016 (Aroclor 1016) (3)		1.504	1.488	1.518	1029308.11	1021638.00	-0.7452
PCB-1016 (Aroclor 1016) (4)		1.672	1.656	1.686	1149151.30	1095986.00	-4.6265
PCB-1016 (Aroclor 1016) (5)		1.712	1.695	1.725	1019104.27	975540.000	-4.2748
PCB-1260 (Aroclor 1260) (1)		2.086	2.071	2.101	1651678.20	1617606.00	-2.0629
PCB-1260 (Aroclor 1260) (2)		2.167	2.153	2.183	2443265.49	2393130.00	-2.0520
PCB-1260 (Aroclor 1260) (3)		2.361	2.347	2.377	1390222.94	1419070.00	2.0750
PCB-1260 (Aroclor 1260) (4)		2.528	2.514	2.544	1720335.76	1752150.00	1.8493
PCB-1260 (Aroclor 1260) (5)		2.71	2.696	2.726	1094654.34	1062774.00	-2.9124
Tetrachloro-m-xylene (S)		.83	.8	.86	32953681.5	32332382.0	-1.8854

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

07/21/2014 8:52

PCB - FORM VII SVOA-1
PCB CALIBRATION VERIFICATION SUMMARY

SAMPLE NO.

6898711CCV

Lab Name: Pace Analytical - Indiana

Calibration Date: 06/24/2014 Time: 20:39

Instrument ID: 50GCS8 GC Column: Col 1

Init. Calib. Date(s): 06/18/2014 06/18/2014

Lab File ID: 062414.B\011F3201.D

Init. Calib. Time(s): 16:16 17:31

SDG No.: 5099688

COMPOUND	PEAK	RT	RT WINDOW		\overline{CF}	CF	%D
			FROM	TO			
PCB-1016 (Aroclor 1016) (1)		1.351	1.338	1.368	935931.352	968186.000	3.4463
PCB-1016 (Aroclor 1016) (2)		1.472	1.459	1.489	2584583.67	2489336.00	-3.6852
PCB-1016 (Aroclor 1016) (3)		1.502	1.488	1.518	1029308.11	1053464.00	2.3468
PCB-1016 (Aroclor 1016) (4)		1.671	1.656	1.686	1149151.30	1131482.00	-1.5376
PCB-1016 (Aroclor 1016) (5)		1.71	1.695	1.725	1019104.27	1024306.00	0.5104
PCB-1260 (Aroclor 1260) (1)		2.086	2.071	2.101	1651678.20	1780782.00	7.8165
PCB-1260 (Aroclor 1260) (2)		2.167	2.153	2.183	2443265.49	2432886.00	-0.4248
PCB-1260 (Aroclor 1260) (3)		2.361	2.347	2.377	1390222.94	1458702.00	4.9258
PCB-1260 (Aroclor 1260) (4)		2.529	2.514	2.544	1720335.76	1795004.00	4.3403
PCB-1260 (Aroclor 1260) (5)		2.711	2.696	2.726	1094654.34	1109010.00	1.3114
Tetrachloro-m-xylene (S)		.828	.8	.86	32953681.5	32654874.0	-0.9067

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

07/21/2014 8:52

PCB - FORM VII SVOA-1
PCB CALIBRATION VERIFICATION SUMMARY

SAMPLE NO.

6898712CCV

Lab Name: Pace Analytical - Indiana

Calibration Date: 06/24/2014 Time: 20:45

Instrument ID: 50GCS8 GC Column: Col 2

Init. Calib. Date(s): 06/18/2014 06/18/2014

Lab File ID: 062414.B\011B3301.D

Init. Calib. Time(s): 16:21 17:36

SDG No.: 5099688

COMPOUND	PEAK	RT	RT WINDOW		\overline{CF}	CF	%D
			FROM	TO			
PCB-1016 (Aroclor 1016) (1)		1.292	1.276	1.306	2731857.60	2859162.00	4.6600
PCB-1016 (Aroclor 1016) (2)		1.49	1.474	1.504	5560010.13	5406748.00	-2.7565
PCB-1016 (Aroclor 1016) (3)		1.527	1.511	1.541	2464344.79	2667442.00	8.2414
PCB-1016 (Aroclor 1016) (4)		1.579	1.562	1.592	1687039.74	1797798.00	6.5652
PCB-1016 (Aroclor 1016) (5)		1.699	1.683	1.713	2431194.41	2565608.00	5.5287
PCB-1260 (Aroclor 1260) (1)		2.1	2.084	2.114	3701235.65	3714862.00	0.3682
PCB-1260 (Aroclor 1260) (2)		2.161	2.146	2.176	4447727.44	4516388.00	1.5437
PCB-1260 (Aroclor 1260) (3)		2.386	2.37	2.4	3635936.00	3748676.00	3.1007
PCB-1260 (Aroclor 1260) (4)		2.58	2.563	2.593	6002253.28	6286158.00	4.7300
PCB-1260 (Aroclor 1260) (5)		2.741	2.724	2.754	2115355.21	2190050.00	3.5311
Tetrachloro-m-xylene (S)		.76	.733	.793	73025538.8	77021194.0	5.4716

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

07/21/2014 8:52

PCB - FORM VII SVOA-1
PCB CALIBRATION VERIFICATION SUMMARY

SAMPLE NO.

6906311CCV

Lab Name: Pace Analytical - Indiana

Calibration Date: 06/26/2014 Time: 22:30

Instrument ID: 50GCS8 GC Column: Col 2

Init. Calib. Date(s): 06/18/2014 06/18/2014

Lab File ID: 062614.B\011B4201.D

Init. Calib. Time(s): 16:21 17:36

SDG No.: 5099688

COMPOUND	PEAK	RT	RT WINDOW		\overline{CF}	CF	%D
			FROM	TO			
PCB-1016 (Aroclor 1016) (1)		1.291	1.277	1.307	2731857.60	2720000.00	-0.4340
PCB-1016 (Aroclor 1016) (2)		1.489	1.474	1.504	5560010.13	5510692.00	-0.8870
PCB-1016 (Aroclor 1016) (3)		1.525	1.511	1.541	2464344.79	2549606.00	3.4598
PCB-1016 (Aroclor 1016) (4)		1.577	1.564	1.594	1687039.74	1725366.00	2.2718
PCB-1016 (Aroclor 1016) (5)		1.698	1.684	1.714	2431194.41	2432582.00	0.0571
PCB-1260 (Aroclor 1260) (1)		2.099	2.084	2.114	3701235.65	3547964.00	-4.1411
PCB-1260 (Aroclor 1260) (2)		2.16	2.145	2.175	4447727.44	4598448.00	3.3887
PCB-1260 (Aroclor 1260) (3)		2.385	2.369	2.399	3635936.00	3675018.00	1.0749
PCB-1260 (Aroclor 1260) (5)		2.739	2.724	2.754	2115355.21	2196694.00	3.8452
Tetrachloro-m-xylene (S)		.764	.738	.798	73025538.8	77444870.0	6.0518

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

07/21/2014 8:52

PCB - FORM VII SVOA-1
PCB CALIBRATION VERIFICATION SUMMARY

SAMPLE NO.

6906318CCV

Lab Name: Pace Analytical - Indiana

Calibration Date: 06/27/2014 Time: 00:55

Instrument ID: 50GCS8 GC Column: Col 2

Init. Calib. Date(s): 06/18/2014 06/18/2014

Lab File ID: 062614.B\011B6701.D

Init. Calib. Time(s): 16:21 17:36

SDG No.: 5099688

COMPOUND	PEAK	RT	RT WINDOW		\overline{CF}	CF	%D
			FROM	TO			
PCB-1016 (Aroclor 1016) (1)		1.293	1.277	1.307	2731857.60	2966412.00	8.5859
PCB-1016 (Aroclor 1016) (2)		1.491	1.474	1.504	5560010.13	5798484.00	4.2891
PCB-1016 (Aroclor 1016) (3)		1.527	1.511	1.541	2464344.79	2727034.00	10.6596
PCB-1016 (Aroclor 1016) (4)		1.579	1.564	1.594	1687039.74	1876874.00	11.2525
PCB-1016 (Aroclor 1016) (5)		1.7	1.684	1.714	2431194.41	2587876.00	6.4446
PCB-1260 (Aroclor 1260) (1)		2.101	2.084	2.114	3701235.65	3678874.00	-0.6042
PCB-1260 (Aroclor 1260) (2)		2.162	2.145	2.175	4447727.44	4516010.00	1.5352
PCB-1260 (Aroclor 1260) (3)		2.386	2.369	2.399	3635936.00	3795278.00	4.3824
PCB-1260 (Aroclor 1260) (5)		2.741	2.724	2.754	2115355.21	2289762.00	8.2448
Tetrachloro-m-xylene (S)		.767	.738	.798	73025538.8	79613086.0	9.0209

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

07/21/2014 8:52

PCB - FORM VII SVOA-1
PCB CALIBRATION VERIFICATION SUMMARY

SAMPLE NO.

6906317CCV

Lab Name: Pace Analytical - Indiana

Calibration Date: 06/27/2014 Time: 03:14

Instrument ID: 50GCS8 GC Column: Col 2

Init. Calib. Date(s): 06/18/2014 06/18/2014

Lab File ID: 062614.B\011B9101.D

Init. Calib. Time(s): 16:21 17:36

SDG No.: 5099688

COMPOUND	PEAK	RT	RT WINDOW		\overline{CF}	CF	%D
			FROM	TO			
PCB-1016 (Aroclor 1016) (1)		1.293	1.277	1.307	2731857.60	2544884.00	-6.8442
PCB-1016 (Aroclor 1016) (2)		1.49	1.474	1.504	5560010.13	5271476.00	-5.1895
PCB-1016 (Aroclor 1016) (3)		1.526	1.511	1.541	2464344.79	2298228.00	-6.7408
PCB-1016 (Aroclor 1016) (4)		1.579	1.564	1.594	1687039.74	1541526.00	-8.6254
PCB-1016 (Aroclor 1016) (5)		1.7	1.684	1.714	2431194.41	2205992.00	-9.2630
PCB-1260 (Aroclor 1260) (1)		2.1	2.084	2.114	3701235.65	3426142.00	-7.4325
PCB-1260 (Aroclor 1260) (2)		2.161	2.145	2.175	4447727.44	4493726.00	1.0342
PCB-1260 (Aroclor 1260) (3)		2.386	2.369	2.399	3635936.00	3647548.00	0.3194
PCB-1260 (Aroclor 1260) (5)		2.741	2.724	2.754	2115355.21	2199988.00	4.0009
Tetrachloro-m-xylene (S)		.763	.738	.798	73025538.8	77631864.0	6.3078

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

07/21/2014 8:53

PCB - FORM VII SVOA-1
PCB CALIBRATION VERIFICATION SUMMARY

SAMPLE NO.

6906316CCV

Lab Name: Pace Analytical - Indiana

Calibration Date: 06/27/2014 Time: 04:18

Instrument ID: 50GCS8 GC Column: Col 2

Init. Calib. Date(s): 06/18/2014 06/18/2014

Lab File ID: 062614.B\011BA201.D

Init. Calib. Time(s): 16:21 17:36

SDG No.: 5099688

COMPOUND	PEAK	RT	RT WINDOW		\overline{CF}	CF	%D
			FROM	TO			
PCB-1016 (Aroclor 1016) (1)		1.292	1.277	1.307	2731857.60	2900538.00	6.1746
PCB-1016 (Aroclor 1016) (2)		1.491	1.474	1.504	5560010.13	5733402.00	3.1186
PCB-1016 (Aroclor 1016) (3)		1.527	1.511	1.541	2464344.79	2742334.00	11.2805
PCB-1016 (Aroclor 1016) (4)		1.579	1.564	1.594	1687039.74	1881080.00	11.5018
PCB-1016 (Aroclor 1016) (5)		1.7	1.684	1.714	2431194.41	2531522.00	4.1267
PCB-1260 (Aroclor 1260) (1)		2.102	2.084	2.114	3701235.65	3585050.00	-3.1391
PCB-1260 (Aroclor 1260) (2)		2.163	2.145	2.175	4447727.44	4418366.00	-0.6601
PCB-1260 (Aroclor 1260) (3)		2.386	2.369	2.399	3635936.00	3648566.00	0.3474
PCB-1260 (Aroclor 1260) (5)		2.741	2.724	2.754	2115355.21	2170722.00	2.6174
Tetrachloro-m-xylene (S)		.766	.738	.798	73025538.8	78741504.0	7.8274

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

07/21/2014 8:52

PCB - FORM VII SVOA-1
PCB CALIBRATION VERIFICATION SUMMARY

SAMPLE NO.

6923482CCV

Lab Name: Pace Analytical - Indiana

Calibration Date: 07/01/2014 Time: 16:58

Instrument ID: 50GCS8 GC Column: Col 2

Init. Calib. Date(s): 06/18/2014 06/18/2014

Lab File ID: 070114.B\011B4401.D

Init. Calib. Time(s): 16:21 17:36

SDG No.: 5099688

COMPOUND	PEAK	RT	RT WINDOW		\overline{CF}	CF	%D
			FROM	TO			
PCB-1016 (Aroclor 1016) (1)		1.294	1.276	1.306	2731857.60	2710528.00	-0.7808
PCB-1016 (Aroclor 1016) (2)		1.492	1.476	1.506	5560010.13	5393358.00	-2.9973
PCB-1016 (Aroclor 1016) (3)		1.528	1.512	1.542	2464344.79	2502508.00	1.5486
PCB-1016 (Aroclor 1016) (4)		1.581	1.565	1.595	1687039.74	1658410.00	-1.6970
PCB-1016 (Aroclor 1016) (5)		1.7	1.684	1.714	2431194.41	2267856.00	-6.7184
PCB-1260 (Aroclor 1260) (1)		2.1	2.086	2.116	3701235.65	3271902.00	-11.5997
PCB-1260 (Aroclor 1260) (2)		2.161	2.148	2.178	4447727.44	4090870.00	-8.0234
PCB-1260 (Aroclor 1260) (3)		2.385	2.371	2.401	3635936.00	3362336.00	-7.5249
PCB-1260 (Aroclor 1260) (4)		2.578	2.566	2.596	6002253.28	6197958.00	3.2605
PCB-1260 (Aroclor 1260) (5)		2.739	2.727	2.757	2115355.21	2131566.00	0.7663
Tetrachloro-m-xylene (S)		.775	.736	.796	73025538.8	80227270.0	9.8619

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

07/21/2014 8:52

PCB - FORM VII SVOA-1
PCB CALIBRATION VERIFICATION SUMMARY

SAMPLE NO.

6923484CCV

Lab Name: Pace Analytical - Indiana

Calibration Date: 07/01/2014 Time: 19:22

Instrument ID: 50GCS8 GC Column: Col 2

Init. Calib. Date(s): 06/18/2014 06/18/2014

Lab File ID: 070114.B\011B6901.D

Init. Calib. Time(s): 16:21 17:36

SDG No.: 5099688

COMPOUND	PEAK	RT	RT WINDOW		\overline{CF}	CF	%D
			FROM	TO			
PCB-1016 (Aroclor 1016) (1)		1.294	1.276	1.306	2731857.60	2851086.00	4.3644
PCB-1016 (Aroclor 1016) (2)		1.491	1.476	1.506	5560010.13	5581962.00	0.3948
PCB-1016 (Aroclor 1016) (3)		1.528	1.512	1.542	2464344.79	2757382.00	11.8911
PCB-1016 (Aroclor 1016) (4)		1.58	1.565	1.595	1687039.74	1846382.00	9.4451
PCB-1016 (Aroclor 1016) (5)		1.7	1.684	1.714	2431194.41	2541536.00	4.5386
PCB-1260 (Aroclor 1260) (1)		2.099	2.086	2.116	3701235.65	3827846.00	3.4208
PCB-1260 (Aroclor 1260) (2)		2.161	2.148	2.178	4447727.44	4773276.00	7.3194
PCB-1260 (Aroclor 1260) (3)		2.385	2.371	2.401	3635936.00	3896690.00	7.1716
PCB-1260 (Aroclor 1260) (4)		2.578	2.566	2.596	6002253.28	6725920.00	12.0566
PCB-1260 (Aroclor 1260) (5)		2.739	2.727	2.757	2115355.21	2308806.00	9.1451
Tetrachloro-m-xylene (S)		.772	.736	.796	73025538.8	82013060.0	12.3074

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

07/21/2014 8:52

PCB - FORM VII SVOA-1
PCB CALIBRATION VERIFICATION SUMMARY

SAMPLE NO.

6930528CCV

Lab Name: Pace Analytical - Indiana

Calibration Date: 07/02/2014 Time: 22:05

Instrument ID: 50GCS8 GC Column: Col 2

Init. Calib. Date(s): 06/18/2014 06/18/2014

Lab File ID: 070214.B\011B1501.D

Init. Calib. Time(s): 16:21 17:36

SDG No.: 5099688

COMPOUND	PEAK	RT	RT WINDOW		\overline{CF}	CF	%D
			FROM	TO			
PCB-1016 (Aroclor 1016) (1)		1.294	1.276	1.306	2731857.60	3112466.00	13.9322
PCB-1016 (Aroclor 1016) (2)		1.493	1.476	1.506	5560010.13	5677930.00	2.1209
PCB-1016 (Aroclor 1016) (3)		1.529	1.512	1.542	2464344.79	2819852.00	14.4260
PCB-1016 (Aroclor 1016) (4)		1.581	1.565	1.595	1687039.74	1887796.00	11.8999
PCB-1016 (Aroclor 1016) (5)		1.7	1.684	1.714	2431194.41	2697452.00	10.9517
PCB-1260 (Aroclor 1260) (1)		2.101	2.086	2.116	3701235.65	3936050.00	6.3442
PCB-1260 (Aroclor 1260) (2)		2.163	2.148	2.178	4447727.44	4843746.00	8.9038
PCB-1260 (Aroclor 1260) (3)		2.386	2.371	2.401	3635936.00	3962602.00	8.9844
PCB-1260 (Aroclor 1260) (4)		2.58	2.566	2.596	6002253.28	6685888.00	11.3896
PCB-1260 (Aroclor 1260) (5)		2.741	2.727	2.757	2115355.21	2357278.00	11.4365
Tetrachloro-m-xylene (S)		.774	.736	.796	73025538.8	82324770.0	12.7342

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

07/21/2014 8:52

PCB - FORM VII SVOA-1
PCB CALIBRATION VERIFICATION SUMMARY

SAMPLE NO.

6930530CCV

Lab Name: Pace Analytical - Indiana

Calibration Date: 07/02/2014 Time: 23:49

Instrument ID: 50GCS8 GC Column: Col 2

Init. Calib. Date(s): 06/18/2014 06/18/2014

Lab File ID: 070214.B\011B3301.D

Init. Calib. Time(s): 16:21 17:36

SDG No.: 5099688

COMPOUND	PEAK	RT	RT WINDOW		\overline{CF}	CF	%D
			FROM	TO			
PCB-1016 (Aroclor 1016) (1)		1.296	1.276	1.306	2731857.60	3018424.00	10.4898
PCB-1016 (Aroclor 1016) (2)		1.492	1.476	1.506	5560010.13	5529454.00	-0.5496
PCB-1016 (Aroclor 1016) (3)		1.529	1.512	1.542	2464344.79	2746398.00	11.4454
PCB-1016 (Aroclor 1016) (4)		1.581	1.565	1.595	1687039.74	1840736.00	9.1104
PCB-1016 (Aroclor 1016) (5)		1.7	1.684	1.714	2431194.41	2579480.00	6.0993
PCB-1260 (Aroclor 1260) (1)		2.098	2.086	2.116	3701235.65	3834622.00	3.6038
PCB-1260 (Aroclor 1260) (2)		2.159	2.148	2.178	4447727.44	4757528.00	6.9654
PCB-1260 (Aroclor 1260) (3)		2.384	2.371	2.401	3635936.00	3884656.00	6.8406
PCB-1260 (Aroclor 1260) (4)		2.578	2.566	2.596	6002253.28	6444434.00	7.3669
PCB-1260 (Aroclor 1260) (5)		2.739	2.727	2.757	2115355.21	2223654.00	5.1196
Tetrachloro-m-xylene (S)		.776	.736	.796	73025538.8	80887824.0	10.7665

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

07/21/2014 8:52

PCB - FORM VII SVOA-1
PCB CALIBRATION VERIFICATION SUMMARY

SAMPLE NO.

6933844CCV

Lab Name: Pace Analytical - Indiana

Calibration Date: 07/03/2014 Time: 18:23

Instrument ID: 50GCS8 GC Column: Col 2

Init. Calib. Date(s): 06/18/2014 06/18/2014

Lab File ID: 070314.B\011B1501.D

Init. Calib. Time(s): 16:21 17:36

SDG No.: 5099688

COMPOUND	PEAK	RT	RT WINDOW		\overline{CF}	CF	%D
			FROM	TO			
PCB-1016 (Aroclor 1016) (1)		1.293	1.28	1.31	2731857.60	2712406.00	-0.7120
PCB-1016 (Aroclor 1016) (2)		1.491	1.477	1.507	5560010.13	5192120.00	-6.6167
PCB-1016 (Aroclor 1016) (3)		1.528	1.514	1.544	2464344.79	2623384.00	6.4536
PCB-1016 (Aroclor 1016) (4)		1.58	1.566	1.596	1687039.74	1751486.00	3.8201
PCB-1016 (Aroclor 1016) (5)		1.7	1.685	1.715	2431194.41	2445374.00	0.5832
PCB-1260 (Aroclor 1260) (1)		2.1	2.085	2.115	3701235.65	3649706.00	-1.3922
PCB-1260 (Aroclor 1260) (2)		2.162	2.147	2.177	4447727.44	4517238.00	1.5628
PCB-1260 (Aroclor 1260) (3)		2.384	2.37	2.4	3635936.00	3710438.00	2.0490
PCB-1260 (Aroclor 1260) (4)		2.579	2.564	2.594	6002253.28	6337226.00	5.5808
PCB-1260 (Aroclor 1260) (5)		2.74	2.725	2.755	2115355.21	2195780.00	3.8020
Tetrachloro-m-xylene (S)		.77	.747	.807	73025538.8	77549438.0	6.1950

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

07/21/2014 8:52

PCB - FORM VII SVOA-1
PCB CALIBRATION VERIFICATION SUMMARY

SAMPLE NO.

6933846CCV

Lab Name: Pace Analytical - Indiana

Calibration Date: 07/03/2014 Time: 18:52

Instrument ID: 50GCS8 GC Column: Col 2

Init. Calib. Date(s): 06/18/2014 06/18/2014

Lab File ID: 070314.B\011B2001.D

Init. Calib. Time(s): 16:21 17:36

SDG No.: 5099688

COMPOUND	PEAK	RT	RT WINDOW		\overline{CF}	CF	%D
			FROM	TO			
PCB-1016 (Aroclor 1016) (1)		1.294	1.28	1.31	2731857.60	2681738.00	-1.8346
PCB-1016 (Aroclor 1016) (2)		1.491	1.477	1.507	5560010.13	5190676.00	-6.6427
PCB-1016 (Aroclor 1016) (3)		1.527	1.514	1.544	2464344.79	2597988.00	5.4231
PCB-1016 (Aroclor 1016) (4)		1.58	1.566	1.596	1687039.74	1720766.00	1.9991
PCB-1016 (Aroclor 1016) (5)		1.7	1.685	1.715	2431194.41	2405832.00	-1.0432
PCB-1260 (Aroclor 1260) (1)		2.099	2.085	2.115	3701235.65	3615706.00	-2.3108
PCB-1260 (Aroclor 1260) (2)		2.16	2.147	2.177	4447727.44	4477752.00	0.6751
PCB-1260 (Aroclor 1260) (3)		2.386	2.37	2.4	3635936.00	3656706.00	0.5712
PCB-1260 (Aroclor 1260) (4)		2.581	2.564	2.594	6002253.28	6213550.00	3.5203
PCB-1260 (Aroclor 1260) (5)		2.741	2.725	2.755	2115355.21	2154556.00	1.8532
Tetrachloro-m-xylene (S)		.775	.747	.807	73025538.8	77573840.0	6.2284

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

07/21/2014 8:52

PCB - FORM I SVOA-1
SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TMW-5(12-14)

Lab Name: Pace Analytical - Indiana
Date Received: 06/21/2014 10:54
Date Extracted: 06/26/2014 11:14
Date Analyzed: 06/27/2014 00:26
Initial wt/vol: 30.2 g Final wt/vol: 10 mL Dilution: 1

Contract: Sibley-Accucast/2339-356-03-00
Matrix: Solid SDG No.: 5099688
Lab Sample ID: 5099688001
Lab File ID: 062614.B\064B6201.D
Instrument: 50GCS8 Percent Moisture: 4.7%

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	PCB-1016 (Aroclor 1016)	ND	U
11104-28-2	PCB-1221 (Aroclor 1221)	ND	U
11141-16-5	PCB-1232 (Aroclor 1232)	ND	U
53469-21-9	PCB-1242 (Aroclor 1242)	ND	U
12672-29-6	PCB-1248 (Aroclor 1248)	ND	U
11097-69-1	PCB-1254 (Aroclor 1254)	ND	U
11096-82-5	PCB-1260 (Aroclor 1260)	ND	U

07/21/2014 8:53

Pace Analytical Services, Inc.

PCB by Method 8082A

Data file : \\192.168.50.6\chem\50GCS8.i\062614.b\064b6201.d
 Lab Smp Id: 5099688001 Client Smp ID: TMW-5(12-14)
 Inj Date : 27-JUN-2014 00:26
 Operator : DMT Inst ID: 50GCS8.i
 Smp Info : 5099688001,
 Misc Info : 12740
 Comment : 8082A
 Method : \\192.168.50.6\chem\50GCS8.i\062614.b\8082r.m
 Meth Date : 27-Jun-2014 11:26 50GCS8.i Quant Type: ESTD
 Cal Date : 18-JUN-2014 17:36 Cal File: 017b2701.d
 Als bottle: 64
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: all.sub
 Target Version: 4.14 Sample Matrix: SOIL
 Processing Host: 50-SVOA-DMTVMXP

Concentration Formula: Amt * DF * Uf * Vt / (Vi * Ws * (100-M) / 100) * CpndVar

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL) (1000 low, 2
Vi	1.000	Volume injected (uL)
Ws	30.200	Weight of sample extracted (g)
M	0.00000	% Moisture
Cpnd Variable		Local Compound Variable

CONCENTRATIONS

RT	EXP RT	DLT RT	RESPONSE	ON-COL (ug/mL)	FINAL (ug/Kg)	TARGET RANGE	RATIO
0.769	0.768	0.001	12254461	0.16781	55.566		

\$ 1 Tetrachloro-m-xylene CAS #: 877-09-8

Date: 27-JUN-2014 00:26

Client ID: TMM-5(12-14)

Sample Info: 5099688001,

Volume Injected (uL): 1.0

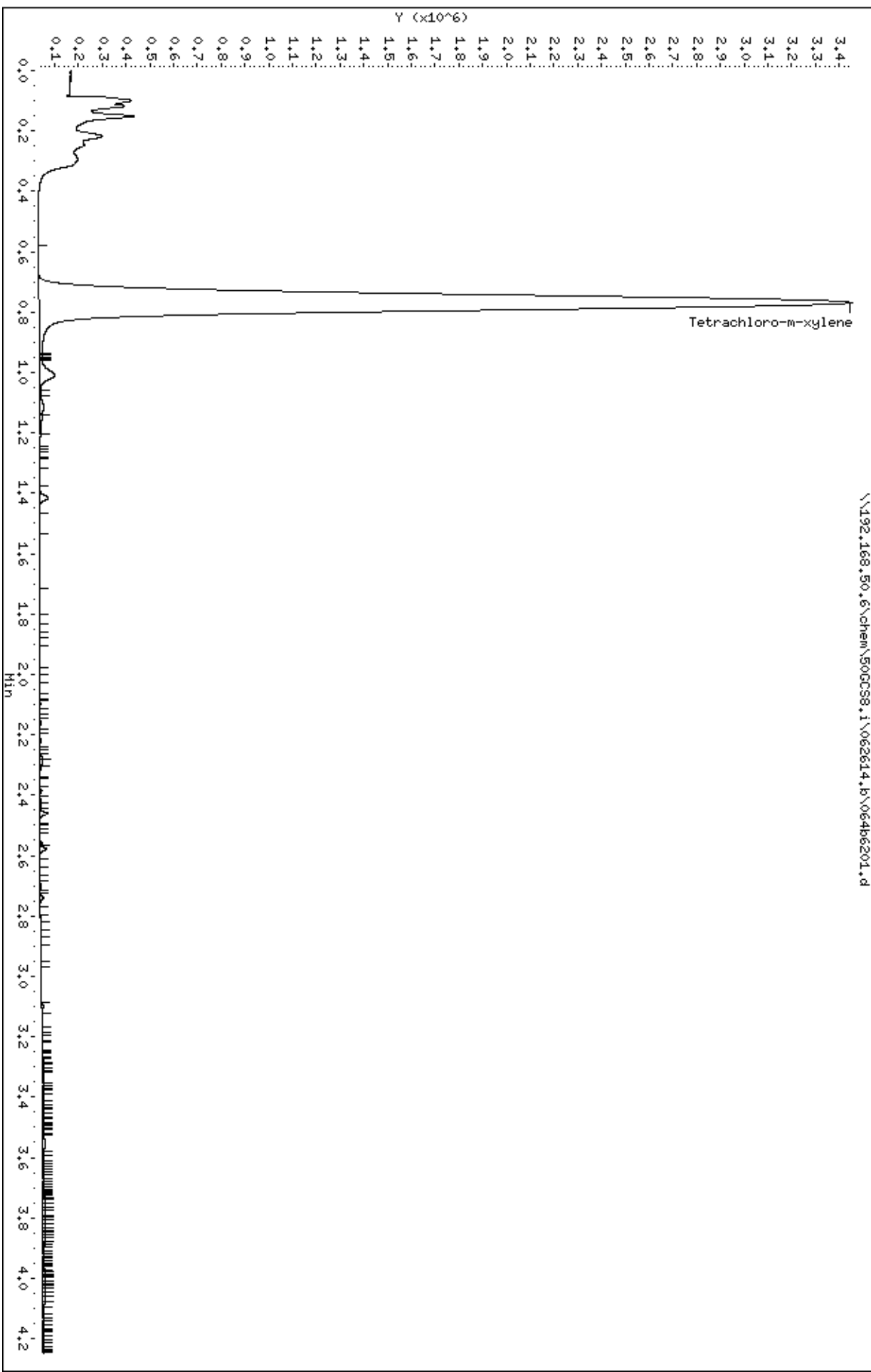
Column phase:

Instrument: 50CCS8.1

Operator: DMT

Column diameter: 0.00

\\192.168.50.6\chem\50CCS8.1\062614.b\064b6201.d



PCB - FORM I SVOA-1
SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TMW-5(2-4)

Lab Name: Pace Analytical - Indiana
Date Received: 06/21/2014 10:54
Date Extracted: 06/26/2014 11:14
Date Analyzed: 06/27/2014 00:43
Initial wt/vol: 30.1 g Final wt/vol: 10 mL Dilution: 1

Contract: Sibley-Accucast/2339-356-03-00
Matrix: Solid SDG No.: 5099688
Lab Sample ID: 5099688002
Lab File ID: 062614.B\067B6501.D
Instrument: 50GCS8 Percent Moisture: 5.8%

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	PCB-1016 (Aroclor 1016)	ND	U
11104-28-2	PCB-1221 (Aroclor 1221)	ND	U
11141-16-5	PCB-1232 (Aroclor 1232)	ND	U
53469-21-9	PCB-1242 (Aroclor 1242)	ND	U
12672-29-6	PCB-1248 (Aroclor 1248)	ND	U
11097-69-1	PCB-1254 (Aroclor 1254)	ND	U
11096-82-5	PCB-1260 (Aroclor 1260)	ND	U

Pace Analytical Services, Inc.

PCB by Method 8082A

Data file : \\192.168.50.6\chem\50GCS8.i\062614.b\067b6501.d
 Lab Smp Id: 5099688002 Client Smp ID: TMW-5(2-4)
 Inj Date : 27-JUN-2014 00:43
 Operator : DMT Inst ID: 50GCS8.i
 Smp Info : 5099688002,
 Misc Info : 12740
 Comment : 8082A
 Method : \\192.168.50.6\chem\50GCS8.i\062614.b\8082r.m
 Meth Date : 27-Jun-2014 11:26 50GCS8.i Quant Type: ESTD
 Cal Date : 18-JUN-2014 17:36 Cal File: 017b2701.d
 Als bottle: 67
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: all.sub
 Target Version: 4.14 Sample Matrix: SOIL
 Processing Host: 50-SVOA-DMTVMXP

Concentration Formula: Amt * DF * Uf * Vt / (Vi * Ws * (100-M) / 100) * CpndVar

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL) (1000 low, 2
Vi	1.000	Volume injected (uL)
Ws	30.100	Weight of sample extracted (g)
M	0.00000	% Moisture
Cpnd Variable		Local Compound Variable

CONCENTRATIONS

RT	EXP RT	DLT RT	RESPONSE	ON-COL (ug/mL)	FINAL (ug/Kg)	TARGET RANGE	RATIO
0.763	0.768	-0.005	12954593	0.17740	58.936		

\$ 1 Tetrachloro-m-xylene CAS #: 877-09-8

Date: 27-JUN-2014 00:43

Client ID: TMM-5(2-4)

Sample Info: 5099688002,

Volume Injected (uL): 1.0

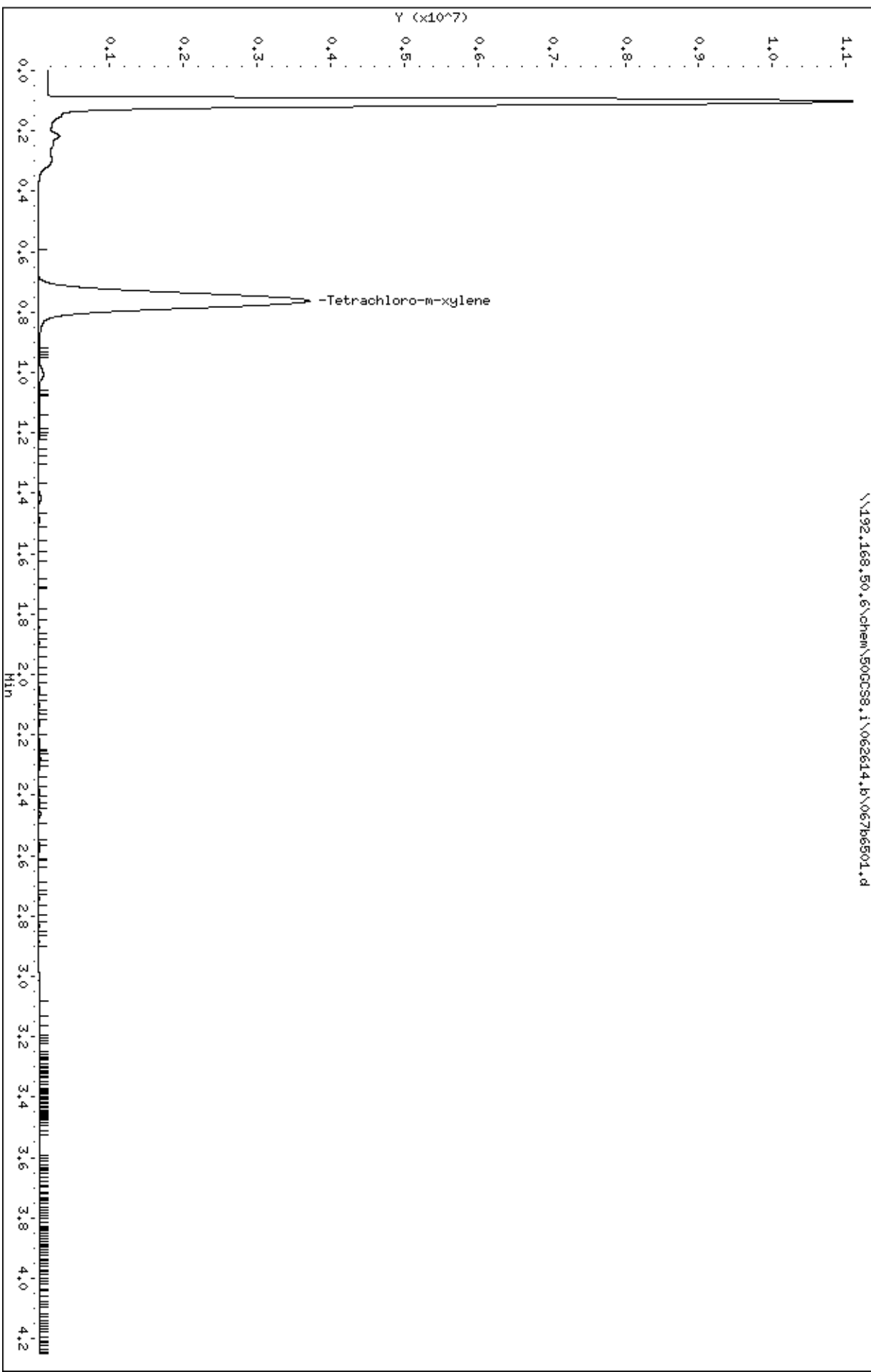
Column phase:

Instrument: 50CCS8.1

Operator: DMT

Column diameter: 0.00

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PCB - FORM I SVOA-1
SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TMW-4(14-16)

Lab Name: Pace Analytical - Indiana
Date Received: 06/21/2014 10:54
Date Extracted: 06/26/2014 11:14
Date Analyzed: 06/27/2014 00:49
Initial wt/vol: 30.4 g Final wt/vol: 10 mL Dilution: 1

Contract: Sibley-Accucast/2339-356-03-00
Matrix: Solid SDG No.: 5099688
Lab Sample ID: 5099688003
Lab File ID: 062614.B\068B6601.D
Instrument: 50GCS8 Percent Moisture: 10.9%

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	PCB-1016 (Aroclor 1016)	ND	U
11104-28-2	PCB-1221 (Aroclor 1221)	ND	U
11141-16-5	PCB-1232 (Aroclor 1232)	ND	U
53469-21-9	PCB-1242 (Aroclor 1242)	ND	U
12672-29-6	PCB-1248 (Aroclor 1248)	ND	U
11097-69-1	PCB-1254 (Aroclor 1254)	ND	U
11096-82-5	PCB-1260 (Aroclor 1260)	ND	U

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Pace Analytical Services, Inc.

PCB by Method 8082A

Data file : \\192.168.50.6\chem\50GCS8.i\062614.b\068b6601.d
 Lab Smp Id: 5099688003 Client Smp ID: TMW-4(14-16)
 Inj Date : 27-JUN-2014 00:49
 Operator : DMT Inst ID: 50GCS8.i
 Smp Info : 5099688003,
 Misc Info : 12740
 Comment : 8082A
 Method : \\192.168.50.6\chem\50GCS8.i\062614.b\8082r.m
 Meth Date : 27-Jun-2014 11:26 50GCS8.i Quant Type: ESTD
 Cal Date : 18-JUN-2014 17:36 Cal File: 017b2701.d
 Als bottle: 68
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: all.sub
 Target Version: 4.14 Sample Matrix: SOIL
 Processing Host: 50-SVOA-DMTVMXP

Concentration Formula: Amt * DF * Uf * Vt / (Vi * Ws * (100-M) / 100) * CpndVar

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL) (1000 low, 2
Vi	1.000	Volume injected (uL)
Ws	30.400	Weight of sample extracted (g)
M	0.00000	% Moisture
Cpnd Variable		Local Compound Variable

CONCENTRATIONS

RT	EXP RT	DLT RT	RESPONSE	ON-COL (ug/mL)	FINAL (ug/Kg)	TARGET RANGE	RATIO
0.764	0.768	-0.004	10448137	0.14308	47.064		

\$ 1 Tetrachloro-m-xylene CAS #: 877-09-8

Date: 27-JUN-2014 00:49

Client ID: TMM-4(14-16)

Sample Info: 5099688003,

Volume Injected (uL): 1.0

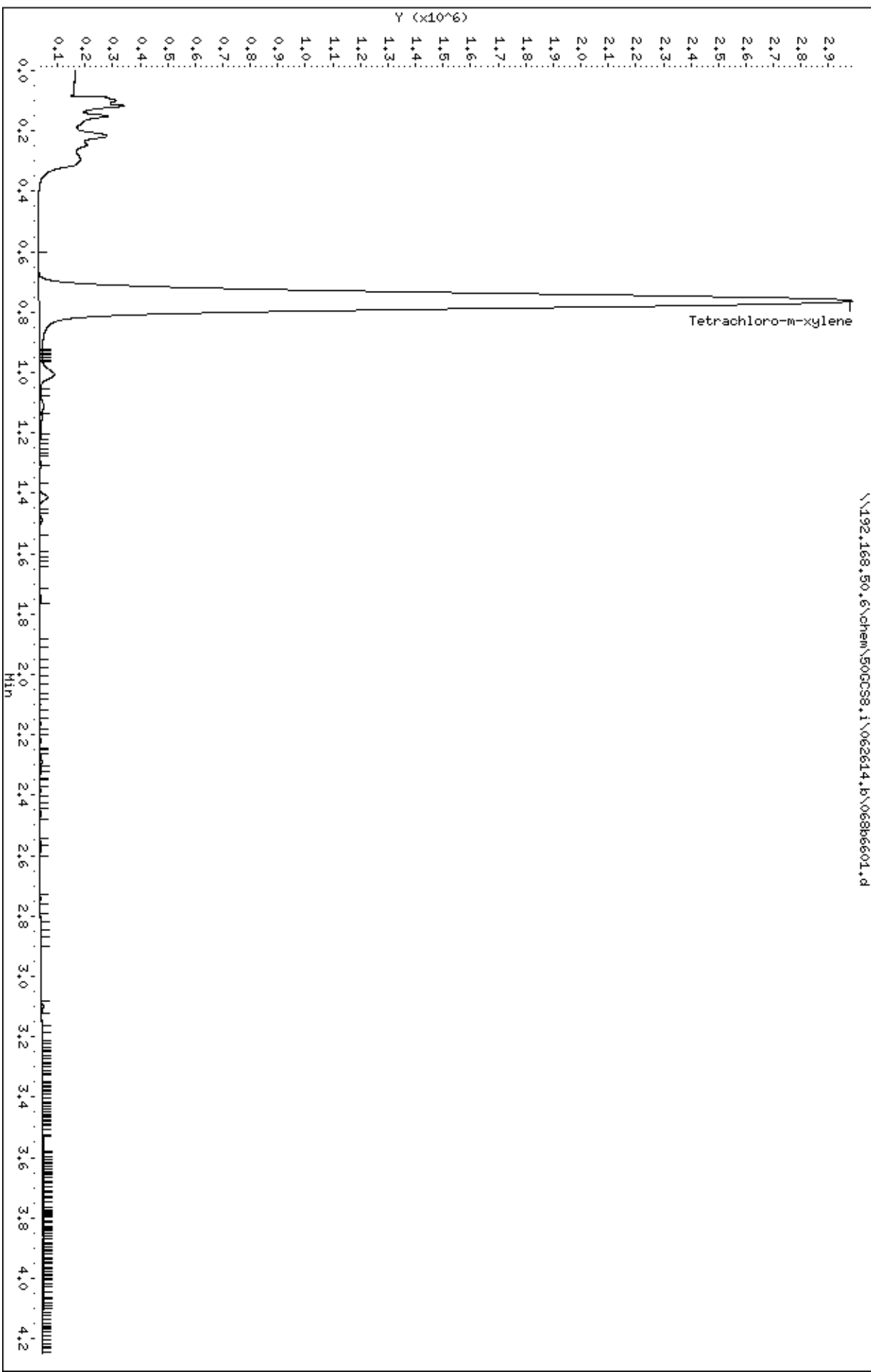
Column phase:

Instrument: 50CCS8.1

Operator: DMT

Column diameter: 0.00

\\192.168.50.6\chem\50CCS8.1\062614.b\068b6601.d



PCB - FORM I SVOA-1
SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TMW-4(5-7)

Lab Name: Pace Analytical - Indiana
Date Received: 06/21/2014 10:54
Date Extracted: 06/26/2014 11:14
Date Analyzed: 06/27/2014 03:31
Initial wt/vol: 30.2 g Final wt/vol: 10 mL Dilution: 1

Contract: Sibley-Accucast/2339-356-03-00
Matrix: Solid SDG No.: 5099688
Lab Sample ID: 5099688004
Lab File ID: 062614.B\094B9401.D
Instrument: 50GCS8 Percent Moisture: 4.4%

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	PCB-1016 (Aroclor 1016)	ND	U
11104-28-2	PCB-1221 (Aroclor 1221)	ND	U
11141-16-5	PCB-1232 (Aroclor 1232)	ND	U
53469-21-9	PCB-1242 (Aroclor 1242)	ND	U
12672-29-6	PCB-1248 (Aroclor 1248)	ND	U
11097-69-1	PCB-1254 (Aroclor 1254)	ND	U
11096-82-5	PCB-1260 (Aroclor 1260)	ND	U

07/21/2014 8:53

Pace Analytical Services, Inc.

PCB by Method 8082A

Data file : \\192.168.50.6\chem\50GCS8.i\062614.b\094b9401.d
 Lab Smp Id: 5099688004 Client Smp ID: TMW-4(5-7)
 Inj Date : 27-JUN-2014 03:31
 Operator : DMT Inst ID: 50GCS8.i
 Smp Info : 5099688004,
 Misc Info : 12742
 Comment : 8082A
 Method : \\192.168.50.6\chem\50GCS8.i\062614.b\8082r.m
 Meth Date : 27-Jun-2014 11:26 50GCS8.i Quant Type: ESTD
 Cal Date : 18-JUN-2014 17:36 Cal File: 017b2701.d
 Als bottle: 94
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: all.sub
 Target Version: 4.14 Sample Matrix: SOIL
 Processing Host: 50-SVOA-DMTVMXP

Concentration Formula: Amt * DF * Uf * Vt / (Vi * Ws * (100-M) / 100) * CpndVar

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL) (1000 low, 2
Vi	1.000	Volume injected (uL)
Ws	30.200	Weight of sample extracted (g)
M	4.378	% Moisture
Cpnd Variable		Local Compound Variable

CONCENTRATIONS

RT	EXP RT	DLT RT	RESPONSE	ON-COL (ug/mL)	FINAL (ug/Kg)	TARGET RANGE	RATIO
0.767	0.768	-0.001	13233624	0.18122	62.753		

\$ 1 Tetrachloro-m-xylene CAS #: 877-09-8

Date : 27-JUN-2014 03:31

Client ID: TMM-4(5-7)

Sample Info: 50996888004,

Volume Injected (uL): 1.0

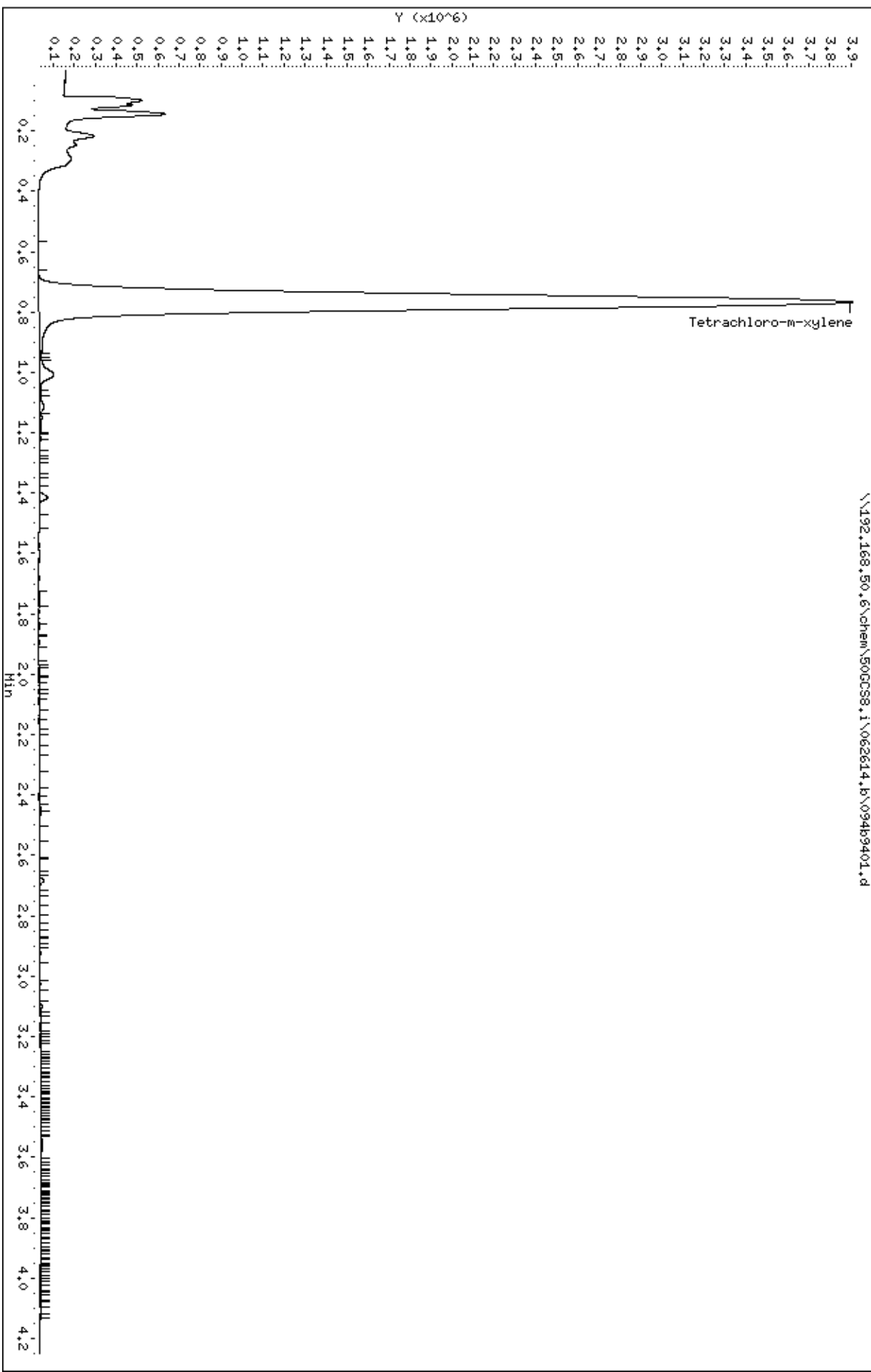
Column phase:

Instrument: 50CCS8.1

Operator: DMT

Column diameter: 0.00

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PCB - FORM I SVOA-1
SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

P-5(10-12)

Lab Name: Pace Analytical - Indiana
Date Received: 06/21/2014 10:54
Date Extracted: 06/26/2014 11:14
Date Analyzed: 06/27/2014 03:37
Initial wt/vol: 30.3 g Final wt/vol: 10 mL Dilution: 1

Contract: Sibley-Accucast/2339-356-03-00
Matrix: Solid SDG No.: 5099688
Lab Sample ID: 5099688005
Lab File ID: 062614.B\095B9501.D
Instrument: 50GCS8 Percent Moisture: 3.9%

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	PCB-1016 (Aroclor 1016)	ND	U
11104-28-2	PCB-1221 (Aroclor 1221)	ND	U
11141-16-5	PCB-1232 (Aroclor 1232)	ND	U
53469-21-9	PCB-1242 (Aroclor 1242)	ND	U
12672-29-6	PCB-1248 (Aroclor 1248)	ND	U
11097-69-1	PCB-1254 (Aroclor 1254)	ND	U
11096-82-5	PCB-1260 (Aroclor 1260)	ND	U

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Pace Analytical Services, Inc.

PCB by Method 8082A

Data file : \\192.168.50.6\chem\50GCS8.i\062614.b\095b9501.d
 Lab Smp Id: 5099688005 Client Smp ID: P-5(10-12)
 Inj Date : 27-JUN-2014 03:37
 Operator : DMT Inst ID: 50GCS8.i
 Smp Info : 5099688005,
 Misc Info : 12742
 Comment : 8082A
 Method : \\192.168.50.6\chem\50GCS8.i\062614.b\8082r.m
 Meth Date : 27-Jun-2014 11:26 50GCS8.i Quant Type: ESTD
 Cal Date : 18-JUN-2014 17:36 Cal File: 017b2701.d
 Als bottle: 95
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: all.sub
 Target Version: 4.14 Sample Matrix: SOIL
 Processing Host: 50-SVOA-DMTVMXP

Concentration Formula: Amt * DF * Uf * Vt / (Vi * Ws * (100-M) / 100) * CpndVar

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL) (1000 low, 2
Vi	1.000	Volume injected (uL)
Ws	30.300	Weight of sample extracted (g)
M	3.853	% Moisture
Cpnd Variable		Local Compound Variable

CONCENTRATIONS						
RT	EXP RT	DLT RT	ON-COL		TARGET RANGE	RATIO
			RESPONSE	FINAL		
=====	=====	=====	=====	=====	=====	=====
\$ 1					CAS #: 877-09-8	
0.765	0.768	-0.003	11097404	0.15197	52.163	

Date: 27-JUN-2014 03:37

Client ID: P-5(10-12)

Sample Info: 5099688005,

Volume Injected (uL): 1.0

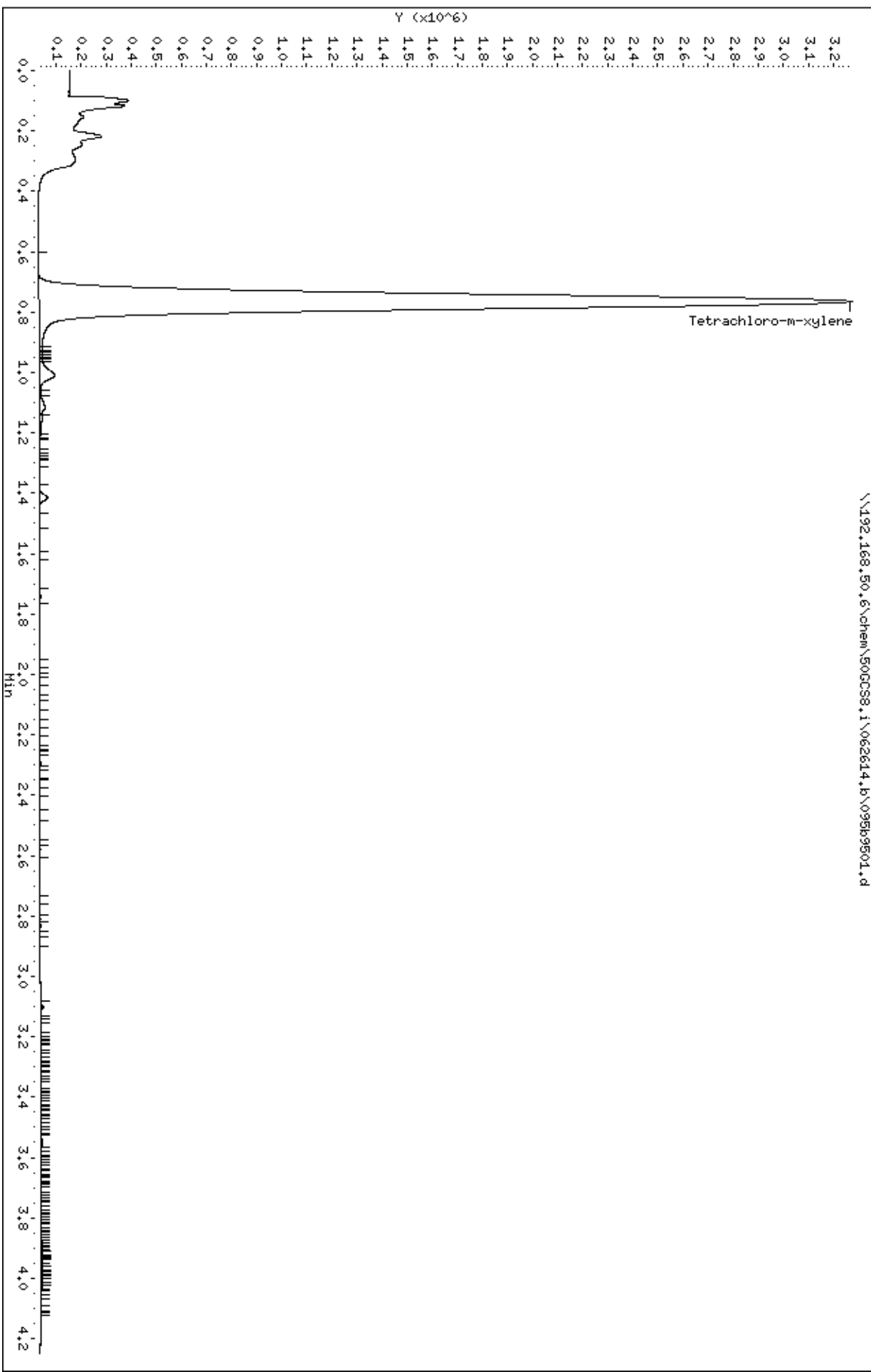
Column phase:

Instrument: 50CCS8.1

Operator: DMT

Column diameter: 0.00

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PCB - FORM I SVOA-1
SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

P-5(2-4)

Lab Name: Pace Analytical - Indiana
Date Received: 06/21/2014 10:54
Date Extracted: 06/26/2014 11:14
Date Analyzed: 06/27/2014 03:43
Initial wt/vol: 30.1 g Final wt/vol: 10 mL Dilution: 1

Contract: Sibley-Accucast/2339-356-03-00
Matrix: Solid SDG No.: 5099688
Lab Sample ID: 5099688006
Lab File ID: 062614.B\096B9601.D
Instrument: 50GCS8 Percent Moisture: 4.3%

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	PCB-1016 (Aroclor 1016)	ND	U
11104-28-2	PCB-1221 (Aroclor 1221)	ND	U
11141-16-5	PCB-1232 (Aroclor 1232)	ND	U
53469-21-9	PCB-1242 (Aroclor 1242)	ND	U
12672-29-6	PCB-1248 (Aroclor 1248)	ND	U
11097-69-1	PCB-1254 (Aroclor 1254)	ND	U
11096-82-5	PCB-1260 (Aroclor 1260)	ND	U

Pace Analytical Services, Inc.

PCB by Method 8082A

Data file : \\192.168.50.6\chem\50GCS8.i\062614.b\096b9601.d
 Lab Smp Id: 5099688006 Client Smp ID: P-5(2-4)
 Inj Date : 27-JUN-2014 03:43
 Operator : DMT Inst ID: 50GCS8.i
 Smp Info : 5099688006,
 Misc Info : 12742
 Comment : 8082A
 Method : \\192.168.50.6\chem\50GCS8.i\062614.b\8082r.m
 Meth Date : 27-Jun-2014 11:26 50GCS8.i Quant Type: ESTD
 Cal Date : 18-JUN-2014 17:36 Cal File: 017b2701.d
 Als bottle: 96
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: all.sub
 Target Version: 4.14 Sample Matrix: SOIL
 Processing Host: 50-SVOA-DMTVMXP

Concentration Formula: Amt * DF * Uf * Vt / (Vi * Ws * (100-M) / 100) * CpndVar

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL) (1000 low, 2
Vi	1.000	Volume injected (uL)
Ws	30.100	Weight of sample extracted (g)
M	4.310	% Moisture
Cpnd Variable		Local Compound Variable

CONCENTRATIONS

RT	EXP RT	DLT RT	RESPONSE	ON-COL (ug/mL)	FINAL (ug/Kg)	TARGET RANGE	RATIO
0.763	0.768	-0.005	11874692	0.16261	56.456		

\$ 1 Tetrachloro-m-xylene CAS #: 877-09-8

Date: 27-JUN-2014 03:43

Client ID: P-5(2-4)

Sample Info: 5099688006,

Volume Injected (uL): 1.0

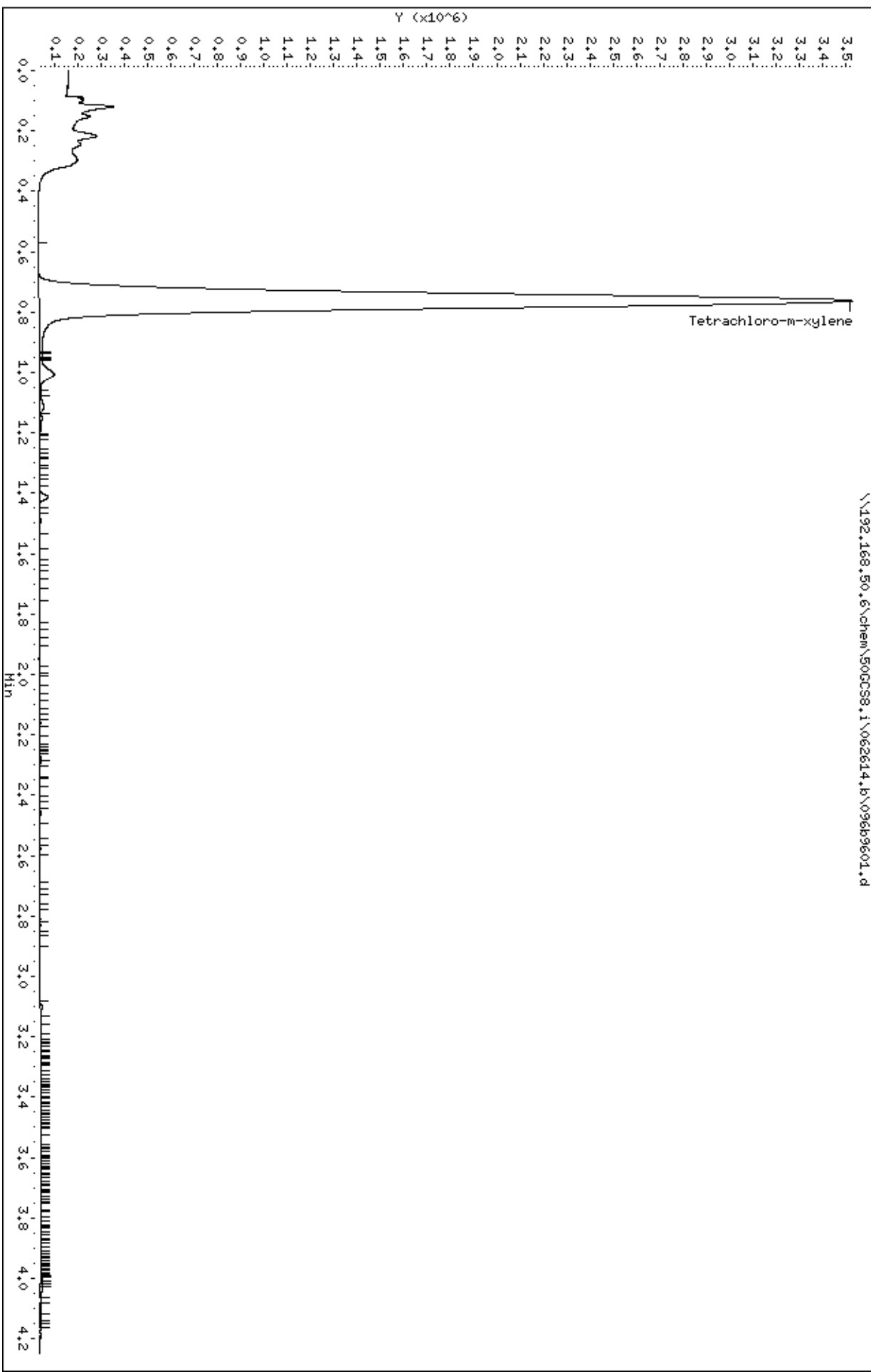
Column phase:

Instrument: 50CCS8.1

Operator: DMT

Column diameter: 0.00

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PCB - FORM I SVOA-1
SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TMW-6(14-16)

Lab Name: Pace Analytical - Indiana
Date Received: 06/21/2014 10:54
Date Extracted: 06/26/2014 11:14
Date Analyzed: 06/27/2014 03:49
Initial wt/vol: 30.2 g Final wt/vol: 10 mL Dilution: 1

Contract: Sibley-Accucast/2339-356-03-00
Matrix: Solid SDG No.: 5099688
Lab Sample ID: 5099688007
Lab File ID: 062614.B\097B9701.D
Instrument: 50GCS8 Percent Moisture: 9.1%

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	PCB-1016 (Aroclor 1016)	ND	U
11104-28-2	PCB-1221 (Aroclor 1221)	ND	U
11141-16-5	PCB-1232 (Aroclor 1232)	ND	U
53469-21-9	PCB-1242 (Aroclor 1242)	ND	U
12672-29-6	PCB-1248 (Aroclor 1248)	ND	U
11097-69-1	PCB-1254 (Aroclor 1254)	ND	U
11096-82-5	PCB-1260 (Aroclor 1260)	ND	U

Pace Analytical Services, Inc.

PCB by Method 8082A

Data file : \\192.168.50.6\chem\50GCS8.i\062614.b\097b9701.d
 Lab Smp Id: 5099688007 Client Smp ID: TMW-6(14-16)
 Inj Date : 27-JUN-2014 03:49
 Operator : DMT Inst ID: 50GCS8.i
 Smp Info : 5099688007,
 Misc Info : 12742
 Comment : 8082A
 Method : \\192.168.50.6\chem\50GCS8.i\062614.b\8082r.m
 Meth Date : 27-Jun-2014 11:26 50GCS8.i Quant Type: ESTD
 Cal Date : 18-JUN-2014 17:36 Cal File: 017b2701.d
 Als bottle: 97
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: all.sub
 Target Version: 4.14 Sample Matrix: SOIL
 Processing Host: 50-SVOA-DMTVMXP

Concentration Formula: Amt * DF * Uf * Vt / (Vi * Ws * (100-M) / 100) * CpndVar

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL) (1000 low, 2
Vi	1.000	Volume injected (uL)
Ws	30.200	Weight of sample extracted (g)
M	9.078	% Moisture
Cpnd Variable		Local Compound Variable

CONCENTRATIONS

RT	EXP RT	DLT RT	RESPONSE	ON-COL (ug/mL)	FINAL (ug/Kg)	TARGET RANGE	RATIO
0.761	0.768	-0.007	10762490	0.14738	53.673		

\$ 1 Tetrachloro-m-xylene CAS #: 877-09-8

Date: 27-JUN-2014 03:49

Client ID: TMM-6(14-16)

Sample Info: 5099688007,

Volume Injected (uL): 1.0

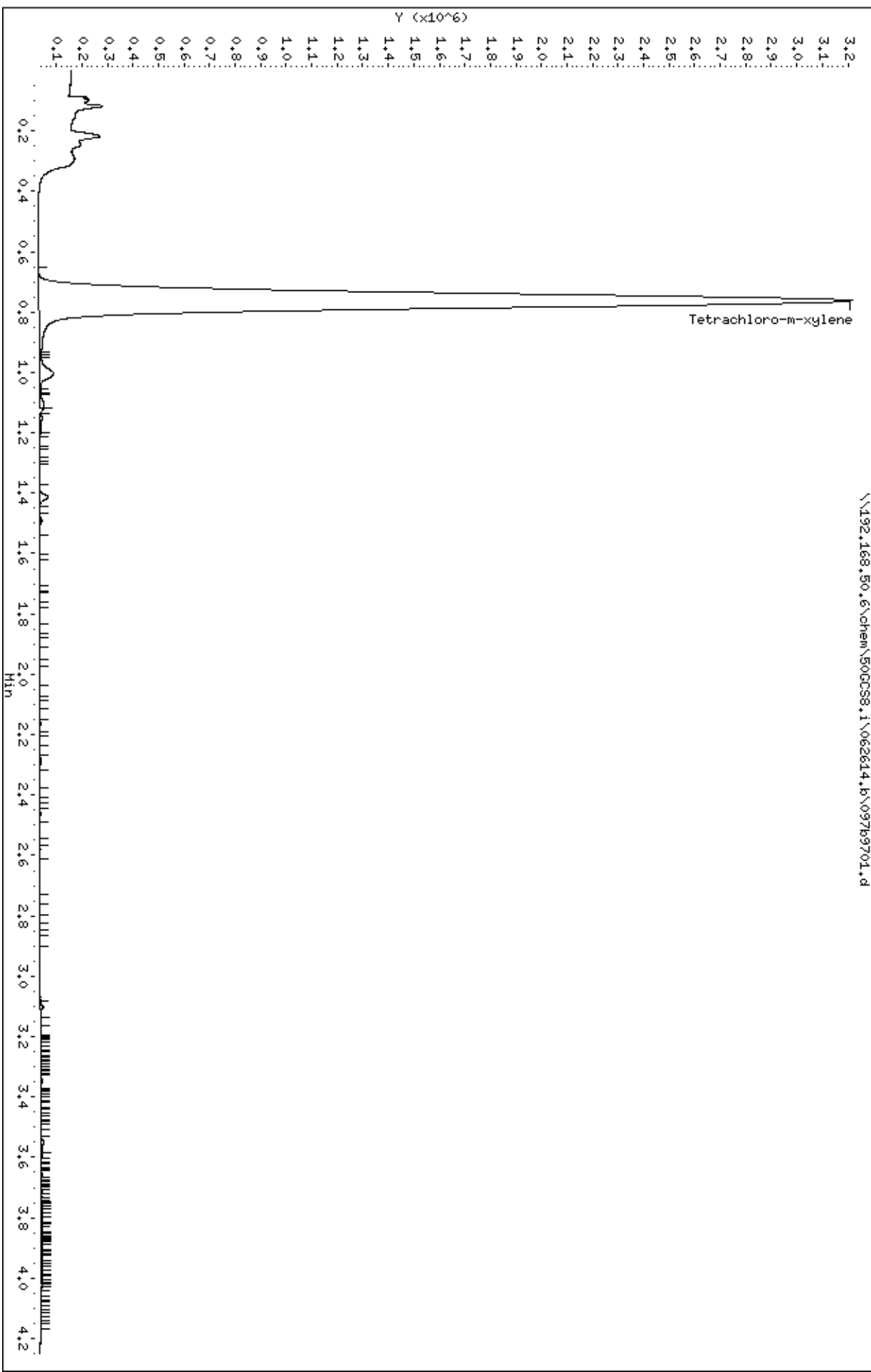
Column phase:

Instrument: 50CCS8.1

Operator: DMT

Column diameter: 0.00

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PCB - FORM I SVOA-1
SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TMW-6(2-4)

Lab Name: Pace Analytical - Indiana
Date Received: 06/21/2014 10:54
Date Extracted: 06/26/2014 11:14
Date Analyzed: 06/27/2014 03:55
Initial wt/vol: 30 g Final wt/vol: 10 mL Dilution: 1

Contract: Sibley-Accucast/2339-356-03-00
Matrix: Solid SDG No.: 5099688
Lab Sample ID: 5099688008
Lab File ID: 062614.B\098B9801.D
Instrument: 50GCS8 Percent Moisture: 12.9%

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	PCB-1016 (Aroclor 1016)	ND	U
11104-28-2	PCB-1221 (Aroclor 1221)	ND	U
11141-16-5	PCB-1232 (Aroclor 1232)	ND	U
53469-21-9	PCB-1242 (Aroclor 1242)	ND	U
12672-29-6	PCB-1248 (Aroclor 1248)	ND	U
11097-69-1	PCB-1254 (Aroclor 1254)	ND	U
11096-82-5	PCB-1260 (Aroclor 1260)	ND	U

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Pace Analytical Services, Inc.

PCB by Method 8082A

Data file : \\192.168.50.6\chem\50GCS8.i\062614.b\098b9801.d
 Lab Smp Id: 5099688008 Client Smp ID: TMW-6(2-4)
 Inj Date : 27-JUN-2014 03:55
 Operator : DMT Inst ID: 50GCS8.i
 Smp Info : 5099688008,
 Misc Info : 12742
 Comment : 8082A
 Method : \\192.168.50.6\chem\50GCS8.i\062614.b\8082r.m
 Meth Date : 27-Jun-2014 11:26 50GCS8.i Quant Type: ESTD
 Cal Date : 18-JUN-2014 17:36 Cal File: 017b2701.d
 Als bottle: 98
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: all.sub
 Target Version: 4.14 Sample Matrix: SOIL
 Processing Host: 50-SVOA-DMTVMXP

Concentration Formula: Amt * DF * Uf * Vt / (Vi * Ws * (100-M) / 100) * CpndVar

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL) (1000 low, 2
Vi	1.000	Volume injected (uL)
Ws	30.000	Weight of sample extracted (g)
M	12.856	% Moisture
Cpnd Variable		Local Compound Variable

CONCENTRATIONS

RT	EXP RT	DLT RT	RESPONSE	ON-COL (ug/mL)	FINAL (ug/Kg)	TARGET RANGE	RATIO
0.770	0.768	0.002	11668746	0.15979	61.120		

\$ 1 Tetrachloro-m-xylene CAS #: 877-09-8

Date: 27-JUN-2014 03:55

Client ID: TMM-6(2-4)

Sample Info: 50996888008,

Volume Injected (uL): 1.0

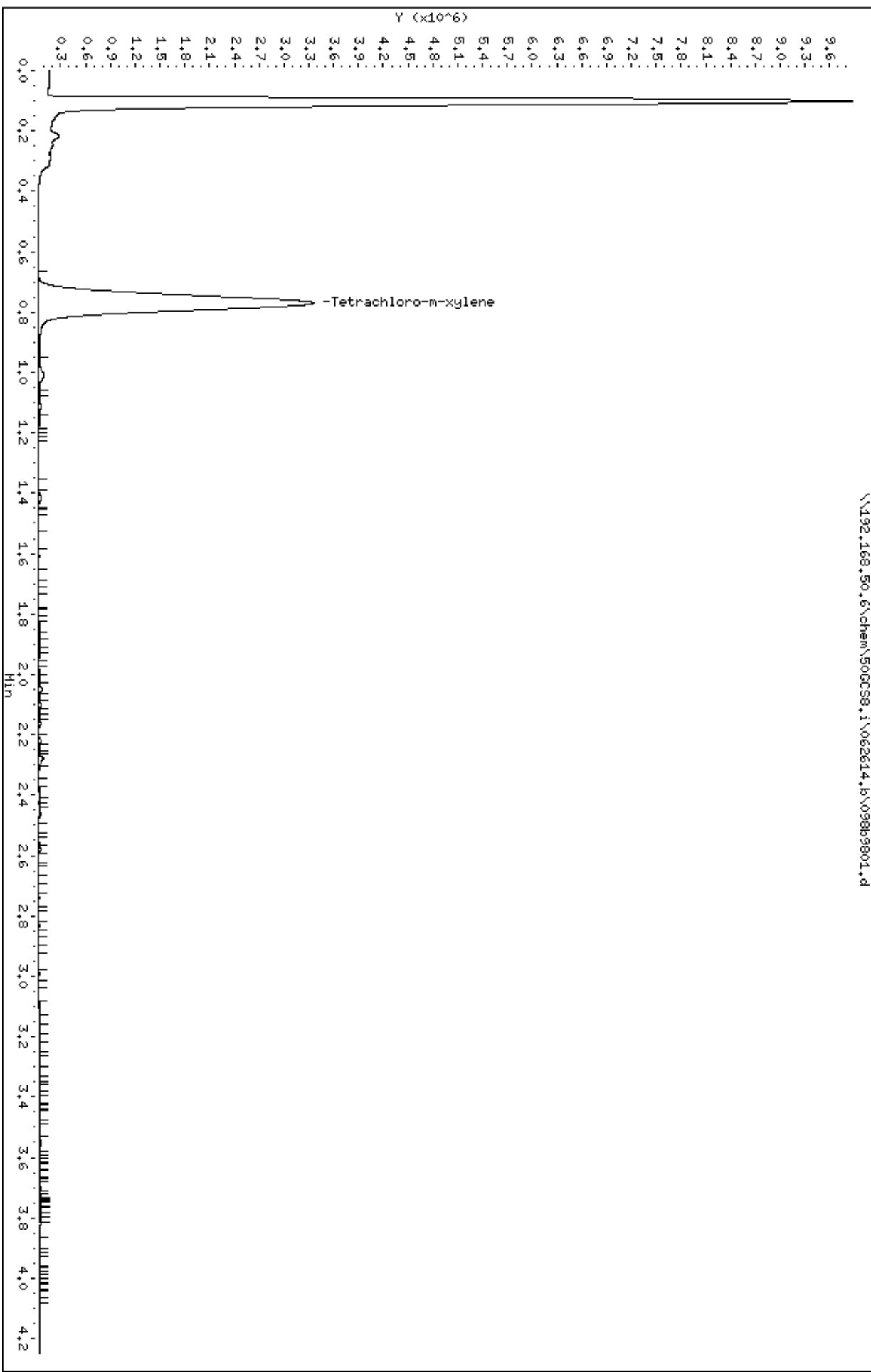
Column phase:

Instrument: 50CCS8.1

Operator: DMT

Column diameter: 0.00

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PCB - FORM I SVOA-1
SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

P-6(10-12)

Lab Name: Pace Analytical - Indiana
Date Received: 06/21/2014 10:54
Date Extracted: 06/27/2014 12:25
Date Analyzed: 07/01/2014 17:15
Initial wt/vol: 30.1 g Final wt/vol: 10 mL Dilution: 1

Contract: Sibley-Accucast/2339-356-03-00
Matrix: Solid SDG No.: 5099688
Lab Sample ID: 5099688009
Lab File ID: 070114.B\049B4701.D
Instrument: 50GCS8 Percent Moisture: 2.9%

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	PCB-1016 (Aroclor 1016)	ND	U
11104-28-2	PCB-1221 (Aroclor 1221)	ND	U
11141-16-5	PCB-1232 (Aroclor 1232)	ND	U
53469-21-9	PCB-1242 (Aroclor 1242)	ND	U
12672-29-6	PCB-1248 (Aroclor 1248)	ND	U
11097-69-1	PCB-1254 (Aroclor 1254)	ND	U
11096-82-5	PCB-1260 (Aroclor 1260)	ND	U

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Pace Analytical Services, Inc.

PCB by Method 8082A

Data file : \\192.168.50.6\chem\50GCS8.i\070114.b\049b4701.d
 Lab Smp Id: 5099688009 Client Smp ID: P-6(10-12)
 Inj Date : 01-JUL-2014 17:15
 Operator : DMT Inst ID: 50GCS8.i
 Smp Info : 5099688009,
 Misc Info : 12768
 Comment : 8082A
 Method : \\192.168.50.6\chem\50GCS8.i\070114.b\8082r.m
 Meth Date : 02-Jul-2014 11:39 50GCS8.i Quant Type: ESTD
 Cal Date : 18-JUN-2014 17:36 Cal File: 017b2701.d
 Als bottle: 49
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: all.sub
 Target Version: 4.14 Sample Matrix: SOIL
 Processing Host: 50-SVOA-DMTVMXP

Concentration Formula: Amt * DF * Uf * Vt / (Vi * Ws * (100-M) / 100) * CpndVar

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL) (1000 low, 2
Vi	1.000	Volume injected (uL)
Ws	30.100	Weight of sample extracted (g)
M	2.910	% Moisture
Cpnd Variable		Local Compound Variable

CONCENTRATIONS

RT	EXP RT	DLT RT	RESPONSE	ON-COL (ug/mL)	FINAL (ug/Kg)	TARGET RANGE	RATIO
0.772	0.766	0.006	11472923	0.15711	53.759		

\$ 1 Tetrachloro-m-xylene CAS #: 877-09-8

Date : 01-JUL-2014 17:15

Client ID: P-6(10-12)

Sample Info: 5099688009,

Volume Injected (uL): 1.0

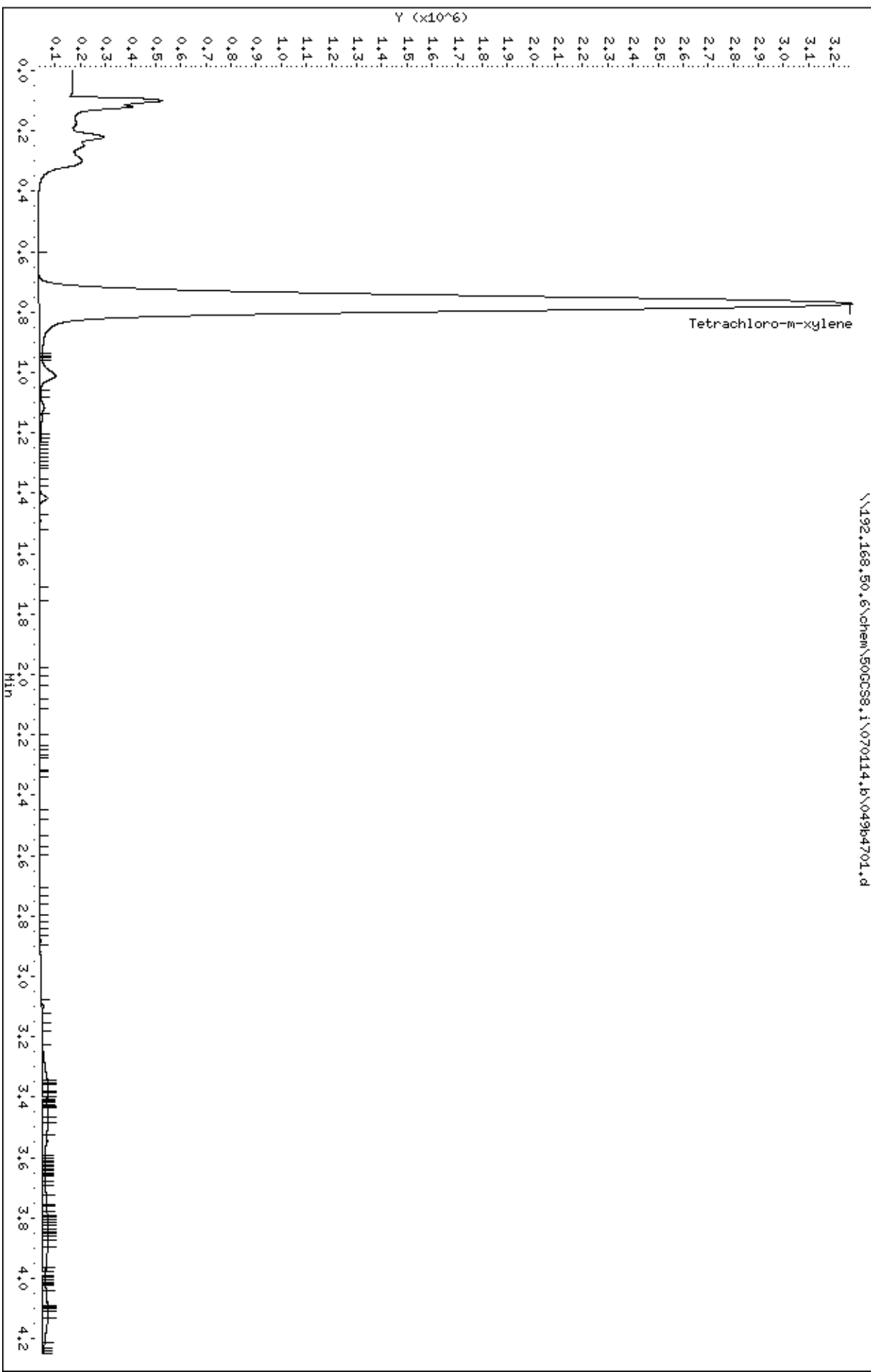
Column phase:

Instrument: 50CCS8.1

Operator: DMT

Column diameter: 0.00

\\192.168.50.6\chem\50CCS8.1\070114.B\049b4701.d



PCB - FORM I SVOA-1
SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

P-6(2-4)

Lab Name: Pace Analytical - Indiana
Date Received: 06/21/2014 10:54
Date Extracted: 06/27/2014 12:25
Date Analyzed: 07/01/2014 17:21
Initial wt/vol: 30.4 g Final wt/vol: 10 mL Dilution: 1

Contract: Sibley-Accucast/2339-356-03-00
Matrix: Solid SDG No.: 5099688
Lab Sample ID: 5099688010
Lab File ID: 070114.B\050B4801.D
Instrument: 50GCS8 Percent Moisture: 6.3%

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	PCB-1016 (Aroclor 1016)	ND	U
11104-28-2	PCB-1221 (Aroclor 1221)	ND	U
11141-16-5	PCB-1232 (Aroclor 1232)	ND	U
53469-21-9	PCB-1242 (Aroclor 1242)	ND	U
12672-29-6	PCB-1248 (Aroclor 1248)	ND	U
11097-69-1	PCB-1254 (Aroclor 1254)	ND	U
11096-82-5	PCB-1260 (Aroclor 1260)	ND	U

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Pace Analytical Services, Inc.

PCB by Method 8082A

Data file : \\192.168.50.6\chem\50GCS8.i\070114.b\050b4801.d
 Lab Smp Id: 5099688010 Client Smp ID: P-6(2-4)
 Inj Date : 01-JUL-2014 17:21
 Operator : DMT Inst ID: 50GCS8.i
 Smp Info : 5099688010,
 Misc Info : 12768
 Comment : 8082A
 Method : \\192.168.50.6\chem\50GCS8.i\070114.b\8082r.m
 Meth Date : 02-Jul-2014 11:39 50GCS8.i Quant Type: ESTD
 Cal Date : 18-JUN-2014 17:36 Cal File: 017b2701.d
 Als bottle: 50
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: all.sub
 Target Version: 4.14 Sample Matrix: SOIL
 Processing Host: 50-SVOA-DMTVMXP

Concentration Formula: Amt * DF * Uf * Vt / (Vi * Ws * (100-M) / 100) * CpndVar

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL) (1000 low, 2
Vi	1.000	Volume injected (uL)
Ws	30.400	Weight of sample extracted (g)
M	6.259	% Moisture
Cpnd Variable		Local Compound Variable

CONCENTRATIONS

ON-COL FINAL

RT	EXP RT	DLT RT	RESPONSE	(ug/mL)	(ug/Kg)	TARGET RANGE	RATIO
0.773	0.766	0.007	10480583	0.14352	50.362		

\$ 1 Tetrachloro-m-xylene CAS #: 877-09-8

Date : 01-JUL-2014 17:21

Client ID: P-6(2-4)

Sample Info: 5099688010,

Volume Injected (uL): 1.0

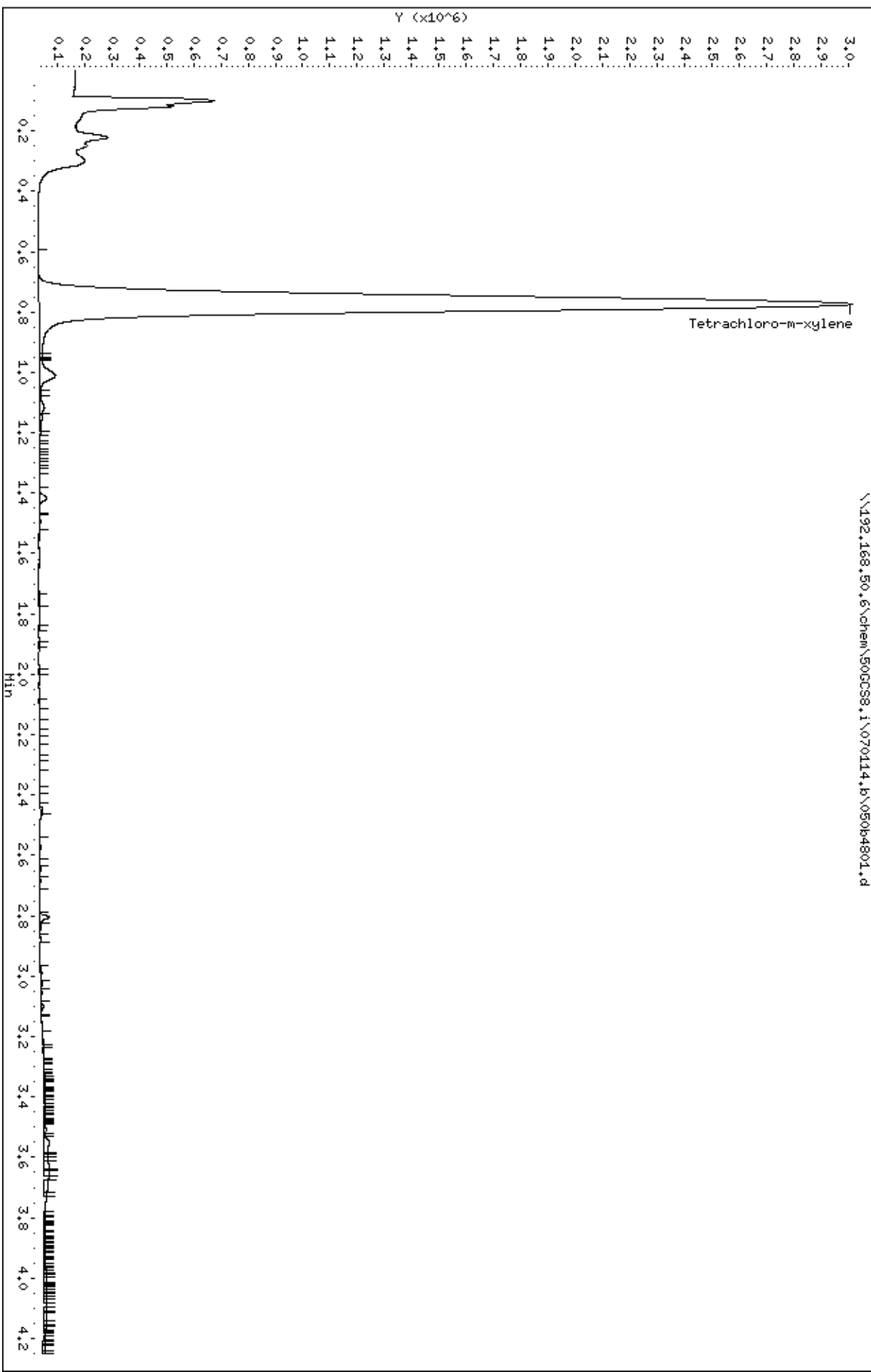
Column phase:

Instrument: 50CCS8.1

Operator: DMT

Column diameter: 0.00

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PCB - FORM I SVOA-1
SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

P-3 RE(2-4)

Lab Name: Pace Analytical - Indiana
Date Received: 06/21/2014 10:54
Date Extracted: 06/27/2014 12:25
Date Analyzed: 07/03/2014 18:41
Initial wt/vol: 30.3 g Final wt/vol: 10 mL Dilution: 1

Contract: Sibley-Accucast/2339-356-03-00
Matrix: Solid SDG No.: 5099688
Lab Sample ID: 5099688011
Lab File ID: 070314.B\023B1801.D
Instrument: 50GCS8 Percent Moisture: 12.2%

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	PCB-1016 (Aroclor 1016)	ND	U
11104-28-2	PCB-1221 (Aroclor 1221)	ND	U
11141-16-5	PCB-1232 (Aroclor 1232)	ND	U
53469-21-9	PCB-1242 (Aroclor 1242)	ND	U
12672-29-6	PCB-1248 (Aroclor 1248)	ND	U
11097-69-1	PCB-1254 (Aroclor 1254)	ND	U
11096-82-5	PCB-1260 (Aroclor 1260)	ND	U

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Pace Analytical Services, Inc.

PCB by Method 8082A

Data file : \\192.168.50.6\chem\50GCS8.i\070314.b\023b1801.d
 Lab Smp Id: 5099688011 Client Smp ID: P-3 RE(2-4)
 Inj Date : 03-JUL-2014 18:41
 Operator : DMT Inst ID: 50GCS8.i
 Smp Info : 5099688011,
 Misc Info : 12768
 Comment : 8082A
 Method : \\192.168.50.6\chem\50GCS8.i\070314.b\8082r.m
 Meth Date : 06-Jul-2014 22:06 50GCS8.i Quant Type: ESTD
 Cal Date : 18-JUN-2014 17:36 Cal File: 017b2701.d
 Als bottle: 23
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: all.sub
 Target Version: 4.14 Sample Matrix: SOIL
 Processing Host: 50-SVOA-DMTVMXP

Concentration Formula: Amt * DF * Uf * Vt / (Vi * Ws * (100-M) / 100) * CpndVar

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL) (1000 low, 2
Vi	1.000	Volume injected (uL)
Ws	30.300	Weight of sample extracted (g)
M	12.226	% Moisture
Cpnd Variable		Local Compound Variable

CONCENTRATIONS

RT	EXP RT	DLT RT	RESPONSE	ON-COL (ug/mL)	FINAL (ug/Kg)	TARGET RANGE	RATIO
0.771	0.777	-0.006	9124267	0.12495	46.980		

\$ 1 Tetrachloro-m-xylene CAS #: 877-09-8

Date: 03-JUL-2014 18:41

Client ID: P-3 RE(2-4)

Sample Info: 5099688014,

Volume Injected (uL): 1.0

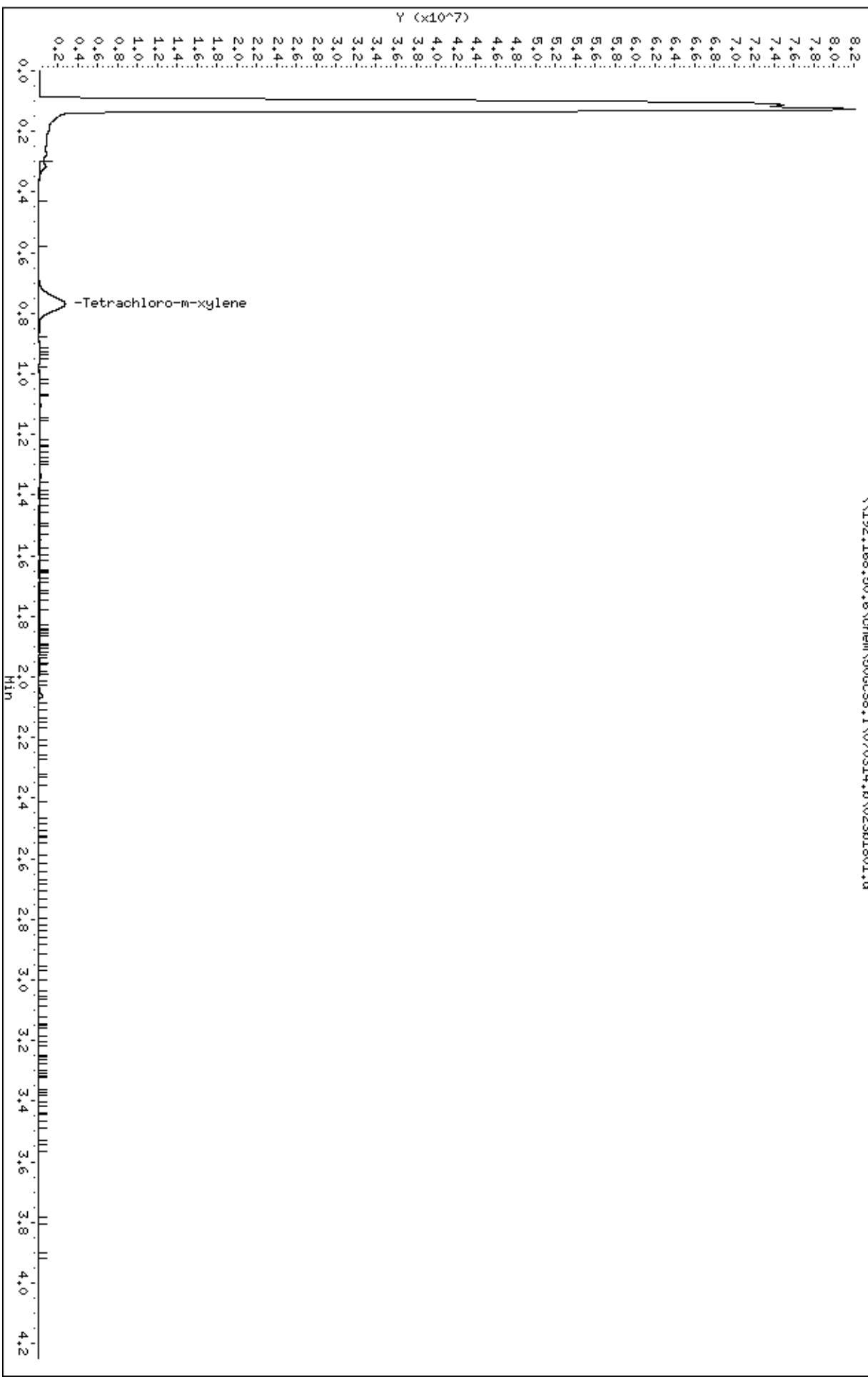
Column phase:

Instrument: 50CCS8.1

Operator: DMT

Column diameter: 0.00

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PCB - FORM I SVOA-1
SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

P-8 RE(0-2)

Lab Name: Pace Analytical - Indiana
Date Received: 06/21/2014 10:54
Date Extracted: 06/27/2014 12:25
Date Analyzed: 07/02/2014 22:51
Initial wt/vol: 30.3 g Final wt/vol: 10 mL Dilution: 10

Contract: Sibley-Accucast/2339-356-03-00
Matrix: Solid SDG No.: 5099688
Lab Sample ID: 5099688012
Lab File ID: 070214.B\028B2301.D
Instrument: 50GCS8 Percent Moisture: 12.7%

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	PCB-1016 (Aroclor 1016)	ND	U
11104-28-2	PCB-1221 (Aroclor 1221)	ND	U
11141-16-5	PCB-1232 (Aroclor 1232)	ND	U
53469-21-9	PCB-1242 (Aroclor 1242)	ND	U
12672-29-6	PCB-1248 (Aroclor 1248)	ND	U
11097-69-1	PCB-1254 (Aroclor 1254)	ND	U
11096-82-5	PCB-1260 (Aroclor 1260)	ND	U

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Pace Analytical Services, Inc.

PCB by Method 8082A

Data file : \\192.168.50.6\chem\50GCS8.i\070214.b\028b2301.d
 Lab Smp Id: 5099688012 Client Smp ID: P-8 RE(0-2)
 Inj Date : 02-JUL-2014 22:51
 Operator : DMT Inst ID: 50GCS8.i
 Smp Info : 5099688012x10,
 Misc Info : 12768
 Comment : 8082A
 Method : \\192.168.50.6\chem\50GCS8.i\070214.b\8082r.m
 Meth Date : 03-Jul-2014 13:44 50GCS8.i Quant Type: ESTD
 Cal Date : 18-JUN-2014 17:36 Cal File: 017b2701.d
 Als bottle: 28
 Dil Factor: 10.00000
 Integrator: Falcon Compound Sublist: all.sub
 Target Version: 4.14 Sample Matrix: SOIL
 Processing Host: 50-SVOA-DMTVMXP

Concentration Formula: Amt * DF * Uf * Vt / (Vi * Ws * (100-M) / 100) * CpndVar

Name	Value	Description
DF	10.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL) (1000 low, 2
Vi	1.000	Volume injected (uL)
Ws	30.300	Weight of sample extracted (g)
M	12.657	% Moisture
Cpnd Variable		Local Compound Variable

CONCENTRATIONS

ON-COL FINAL

RT	EXP RT	DLT RT	RESPONSE (ug/mL)	(ug/Kg)	TARGET RANGE	RATIO
=====	=====	=====	=====	=====	=====	=====

Date : 02-JUL-2014 22:51

Client ID: P-8 RE(0-2)

Sample Info: 5099688012x10,

Volume Injected (uL): 1.0

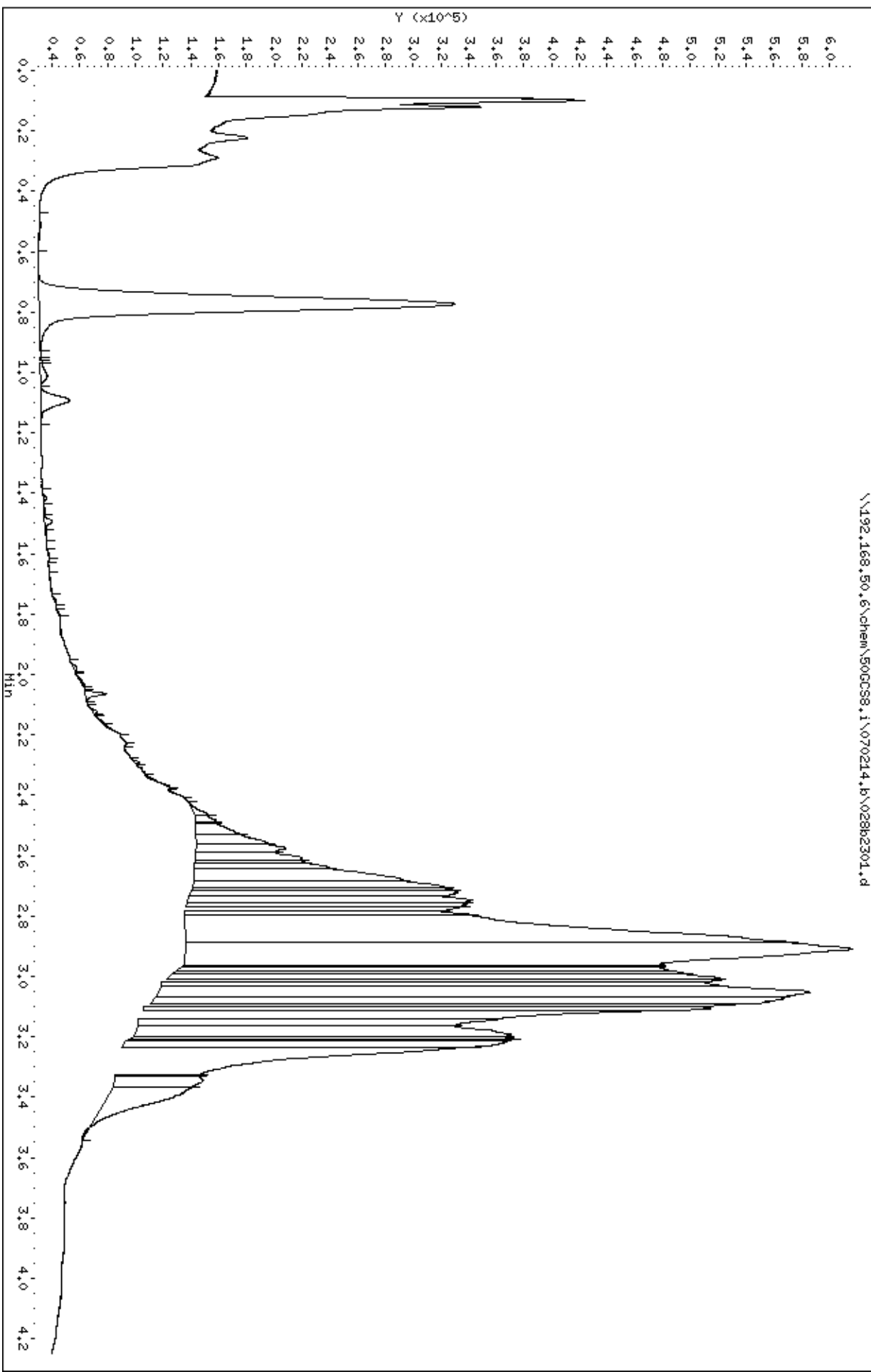
Column phase:

Instrument: 50CCS8.1

Operator: DMT

Column diameter: 0.00

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PCB - FORM I SVOA-1
SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.
SOIL EQ BLANK

Lab Name: Pace Analytical - Indiana Contract: Sibley-Accucast/2339-356-03-00
Date Received: 06/21/2014 10:54 Matrix: Water SDG No.: 5099688
Date Extracted: 06/23/2014 15:00 Lab Sample ID: 5099688013
Date Analyzed: 06/24/2014 20:34 Lab File ID: 062414.B\037F3101.D
Initial wt/vol: 850 mL Final wt/vol: 10 mL Dilution: 1 Instrument: 50GCS8 Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
12674-11-2	PCB-1016 (Aroclor 1016)	ND	U
11104-28-2	PCB-1221 (Aroclor 1221)	ND	U
11141-16-5	PCB-1232 (Aroclor 1232)	ND	U
53469-21-9	PCB-1242 (Aroclor 1242)	ND	U
12672-29-6	PCB-1248 (Aroclor 1248)	ND	U
11097-69-1	PCB-1254 (Aroclor 1254)	ND	U
11096-82-5	PCB-1260 (Aroclor 1260)	ND	U

Pace Analytical Services, Inc.

PCB by Method 8082A

Data file : \\192.168.50.6\chem\50GCS8.i\062414.b\037f3101.d
Lab Smp Id: 5099688013 Client Smp ID: SOIL EQ BLANK
Inj Date : 24-JUN-2014 20:34
Operator : DMT Inst ID: 50GCS8.i
Smp Info : 5099688013,
Misc Info : 12719
Comment : 8082A
Method : \\192.168.50.6\chem\50GCS8.i\062414.b\8082f.m
Meth Date : 25-Jun-2014 13:25 50GCS8.i Quant Type: ESTD
Cal Date : 18-JUN-2014 17:31 Cal File: 017f2601.d
Als bottle: 37
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 4.14 Sample Matrix: WATER
Processing Host: 50-SVOA-DMTVMXP

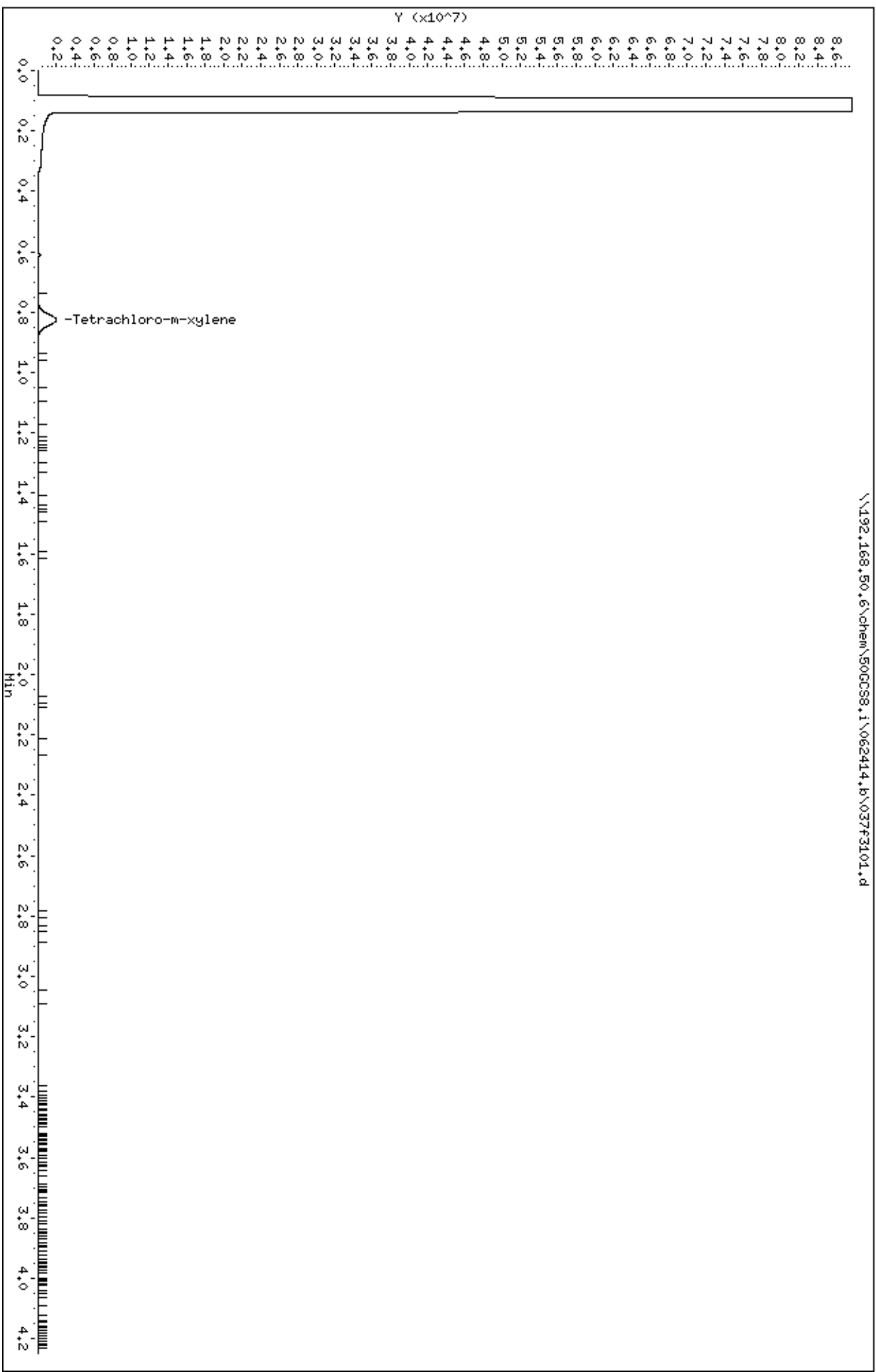
Concentration Formula: Amt * DF * Uf * (Vt/Vo) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL)
Vo	850.000	Volume of sample extracted (mL)
Cpnd Variable		Local Compound Variable

CONCENTRATIONS						
		ON-COL	FINAL			
RT	EXP RT	DLT RT	RESPONSE (ug/mL)	(ug/L)	TARGET RANGE	RATIO
====	=====	=====	=====	=====	=====	=====
\$ 1					CAS #: 877-09-8	
0.826	0.830	-0.004	5211247 0.15814	1.860		

Date : 24-JUN-2014 20:34
Client ID: SOIL EQ BLANK
Sample Info: 5099688013,
Volume Injected (uL): 1.0
Column phase:

Instrument: 500CS8.1
Operator: DMT
Column diameter: 0.00



Pace Analytical Services, Inc.

PCB by Method 8082A

Data file : \\192.168.50.6\chem\50GCS8.i\061814cal.b\003f1301.d
 Lab Smp Id: 1221-CAL6S,70972:1
 Inj Date : 18-JUN-2014 16:16
 Operator : DMT Inst ID: 50GCS8.i
 Smp Info : 1221-cal6s,70972:1
 Misc Info : 12692
 Comment : 8082A
 Method : \\192.168.50.6\chem\50GCS8.i\061814cal.b\8082f.m
 Meth Date : 19-Jun-2014 13:09 50GCS8.i Quant Type: ESTD
 Cal Date : 18-JUN-2014 16:16 Cal File: 003f1301.d
 Als bottle: 3 Calibration Sample, Level: 6
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: 1221.sub
 Target Version: 4.14 Sample Matrix: None

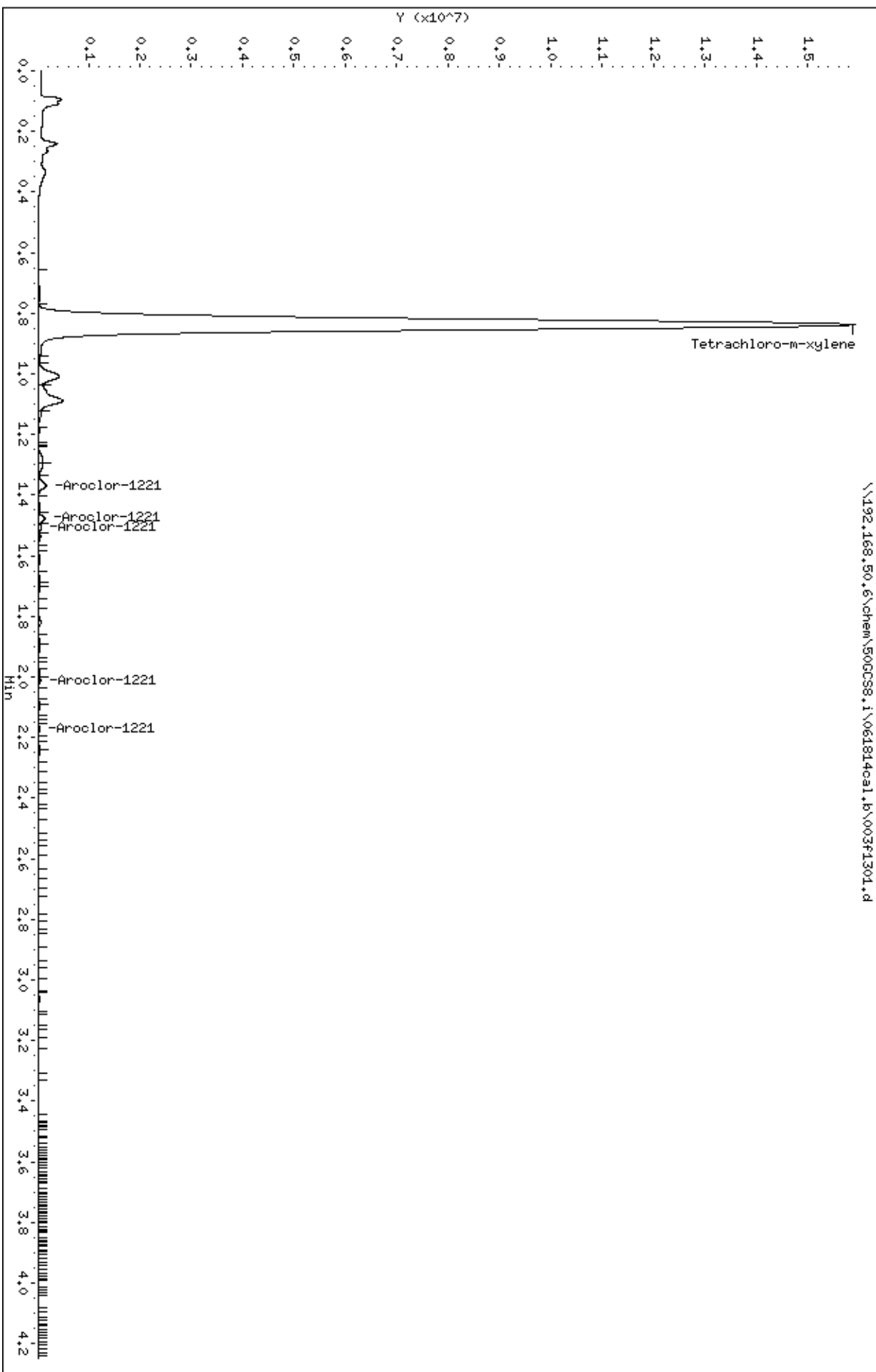
AMOUNTS								
			CAL-AMT		ON-COL			
RT	EXP RT	DLT RT	RESPONSE	(ug/mL)	(ug/mL)	TARGET	RANGE	RATIO
====	=====	=====	=====	=====	=====	=====	=====	=====
\$ 1								
0.838	0.837	0.001	38797153	1.00000	1.034			

45								
1.369	1.369	0.000	242792	1.00000	1.000	0.00-	0.00	100.00
1.477	1.477	0.000	157939	1.00000	1.000	0.00-	0.00	65.05
1.507	1.507	0.000	76232	1.00000	1.000	0.00-	0.00	31.40
2.013	2.013	0.000	40112	1.00000	1.000	0.00-	0.00	16.52
2.170	2.170	0.000	30951	1.00000	1.000	0.00-	0.00	12.75
Average of Peak Amounts =				1.00000				

Data File: \\192.168.50.6\chem\500CS8.1\061814ca1.b\003f1301.d
Date: 18-JUN-2014 16:16
Client ID:
Sample Info: 1221-DAL65.70972:1

Column phase:

Instrument: 500CS8.1
Operator: DMT
Column diameter: 0.00



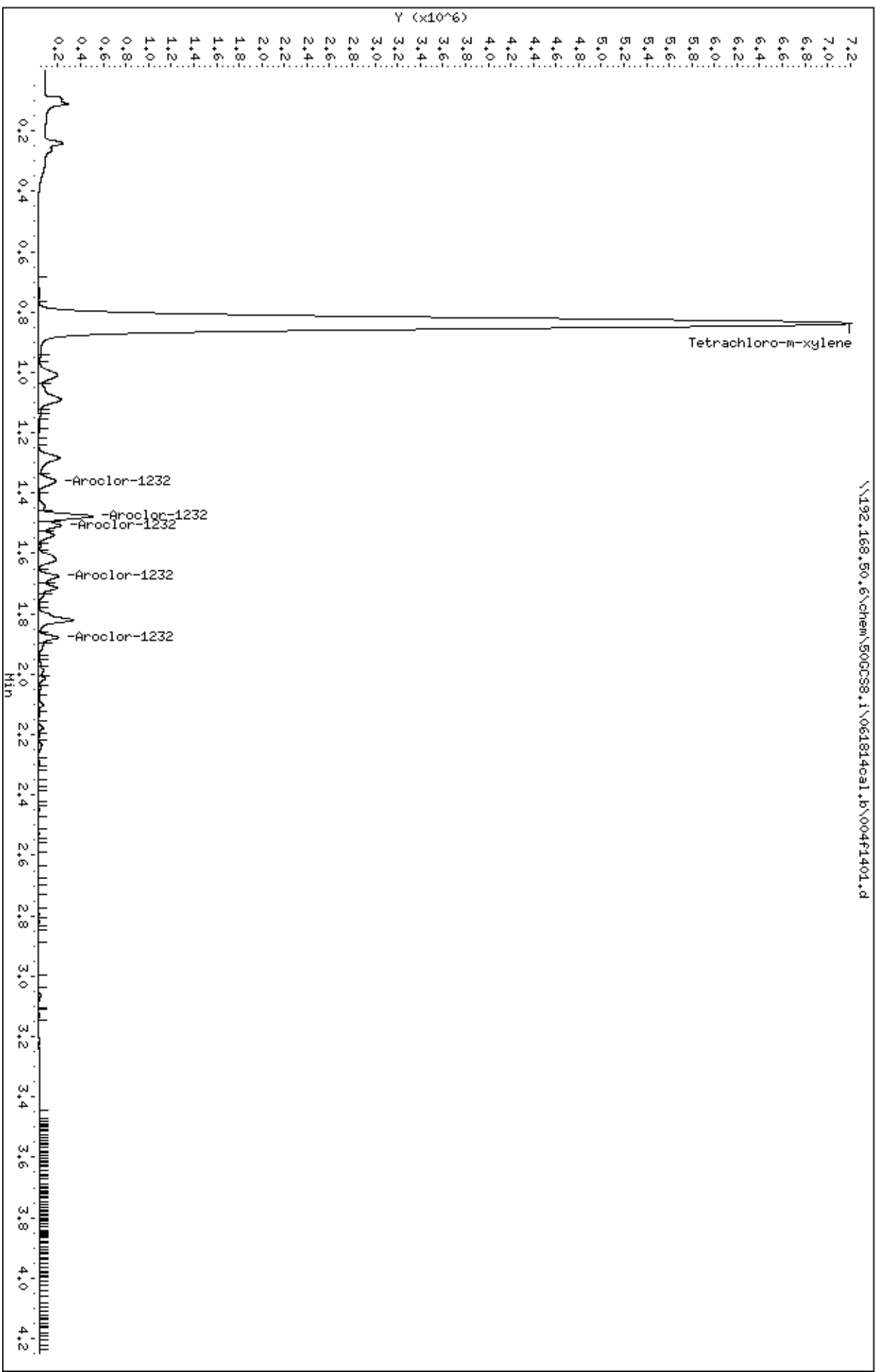
Pace Analytical Services, Inc.

PCB by Method 8082A

Data file : \\192.168.50.6\chem\50GCS8.i\061814cal.b\004f1401.d
 Lab Smp Id: 1232-CAL4S,70973:1
 Inj Date : 18-JUN-2014 16:21
 Operator : DMT Inst ID: 50GCS8.i
 Smp Info : 1232-cal4s,70973:1
 Misc Info : 12692
 Comment : 8082A
 Method : \\192.168.50.6\chem\50GCS8.i\061814cal.b\8082f.m
 Meth Date : 19-Jun-2014 13:09 50GCS8.i Quant Type: ESTD
 Cal Date : 18-JUN-2014 16:21 Cal File: 004f1401.d
 Als bottle: 4 Calibration Sample, Level: 4
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: 1232.sub
 Target Version: 4.14 Sample Matrix: None

AMOUNTS									
			CAL-AMT		ON-COL				
RT	EXP RT	DLT RT	RESPONSE	(ug/mL)	(ug/mL)	TARGET	RANGE	RATIO	
====	=====	=====	=====	=====	=====	=====	=====	=====	=====
\$ 1	Tetrachloro-m-xylene				CAS #: 877-09-8				
0.837	0.837	0.000	18078595	0.50000	0.482				

46	Aroclor-1232				CAS #: 11141-16-5				
1.360	1.361	-0.001	272938	0.50000	0.500	0.00-	0.00	100.00	
1.476	1.477	-0.001	597427	0.50000	0.500	0.00-	0.00	218.89	
1.507	1.508	-0.001	244081	0.50000	0.500	0.00-	0.00	89.43	
1.675	1.675	0.000	249211	0.50000	0.500	0.00-	0.00	91.31	
1.877	1.878	-0.001	208801	0.50000	0.500	0.00-	0.00	76.50	
Average of Peak Amounts =			0.50000						



Pace Analytical Services, Inc.

PCB by Method 8082A

Data file : \\192.168.50.6\chem\50GCS8.i\061814cal.b\003b1401.d
 Lab Smp Id: 1221-CAL6S,70972:1
 Inj Date : 18-JUN-2014 16:21
 Operator : DMT Inst ID: 50GCS8.i
 Smp Info : 1221-cal6s,70972:1
 Misc Info : 12692
 Comment : 8082A
 Method : \\192.168.50.6\chem\50GCS8.i\061814cal.b\8082r.m
 Meth Date : 19-Jun-2014 13:06 50GCS8.i Quant Type: ESTD
 Cal Date : 18-JUN-2014 16:21 Cal File: 003b1401.d
 Als bottle: 3 Calibration Sample, Level: 6
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: 1221.sub
 Target Version: 4.14 Sample Matrix: None

		AMOUNTS							
RT	EXP RT	DLT RT	RESPONSE	CAL-AMT (ug/mL)	ON-COL (ug/mL)	TARGET RANGE		RATIO	
=====	=====	=====	=====	=====	=====	=====	=====	=====	=====
\$ 1						CAS #: 877-09-8			
0.749	0.754	-0.005	88336482	1.00000	1.055				

45						CAS #: 11104-28-2			
1.327	1.328	-0.001	300537	1.00000	1.000	0.00-	0.00	100.00	
1.475	1.475	0.000	371454	1.00000	1.000	0.00-	0.00	123.60	
1.513	1.514	-0.001	193962	1.00000	1.000	0.00-	0.00	64.54	
1.883	1.884	-0.001	66920	1.00000	1.000	0.00-	0.00	22.27	
2.035	2.036	-0.001	97378	1.00000	1.000	0.00-	0.00	32.40	
Average of Peak Amounts =				1.00000					

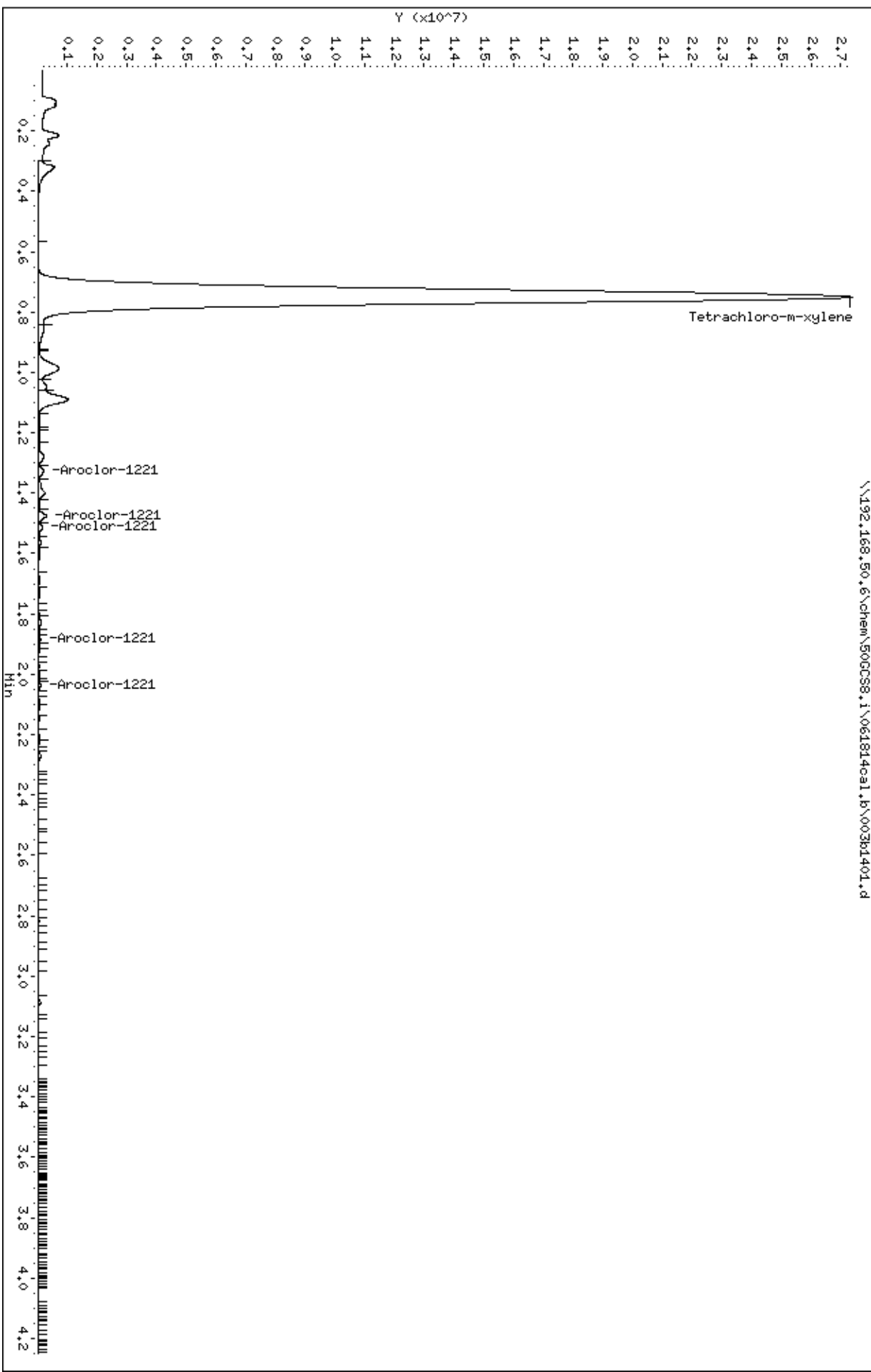
Instrument: 50CCS8.1

Operator: DMT

Column diameter: 0.00

Column phase:

\\192.168.50.6\chem\50CCS8.1\061814ca1.b\00361401.d



Pace Analytical Services, Inc.

PCB by Method 8082A

Data file : \\192.168.50.6\chem\50GCS8.i\061814cal.b\005f1501.d
 Lab Smp Id: 1242-CAL4S,70974:1
 Inj Date : 18-JUN-2014 16:27
 Operator : DMT Inst ID: 50GCS8.i
 Smp Info : 1242-cal4s,70974:1
 Misc Info : 12692
 Comment : 8082A
 Method : \\192.168.50.6\chem\50GCS8.i\061814cal.b\8082f.m
 Meth Date : 19-Jun-2014 13:09 50GCS8.i Quant Type: ESTD
 Cal Date : 18-JUN-2014 16:27 Cal File: 005f1501.d
 Als bottle: 5 Calibration Sample, Level: 4
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: 1242.sub
 Target Version: 4.14 Sample Matrix: None

		AMOUNTS							
RT	EXP RT	DLT RT	RESPONSE	CAL-AMT (ug/mL)	ON-COL (ug/mL)	TARGET RANGE		RATIO	
=====	=====	=====	=====	=====	=====	=====	=====	=====	=====
\$ 1									
0.835	0.837	-0.002	18130131	0.50000	0.483				

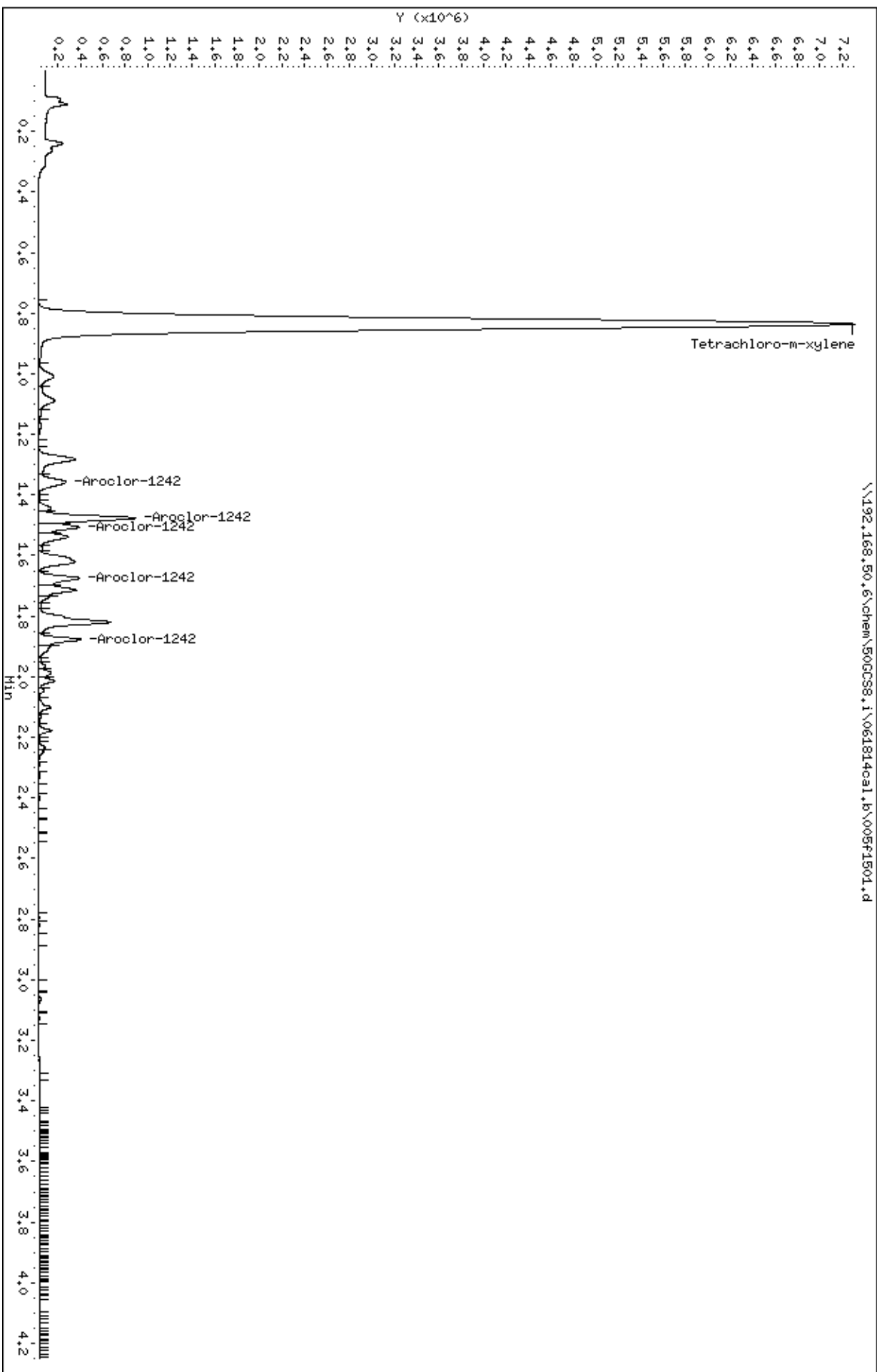
47									
1.357	1.357	0.000	431293	0.50000	0.500	0.00-	0.00	100.00	
1.476	1.477	-0.001	1104859	0.50000	0.500	0.00-	0.00	256.17	
1.506	1.506	0.000	439530	0.50000	0.500	0.00-	0.00	101.91	
1.674	1.674	0.000	514568	0.50000	0.500	0.00-	0.00	119.31	
1.876	1.877	-0.001	445011	0.50000	0.500	0.00-	0.00	103.18	
Average of Peak Amounts =				0.50000					

Data File: \\192.168.50.6\chem\500CS8.1\061814ca1.b\005F1501.d
Date: 18-JUN-2014 16:27

Client ID:
Sample Info: 1242-DAL45.70974;1

Column phase:

Instrument: 500CS8.1
Operator: DMT
Column diameter: 0.00



Pace Analytical Services, Inc.

PCB by Method 8082A

Data file : \\192.168.50.6\chem\50GCS8.i\061814cal.b\004b1501.d
 Lab Smp Id: 1232-CAL4S,70973:1
 Inj Date : 18-JUN-2014 16:27
 Operator : DMT Inst ID: 50GCS8.i
 Smp Info : 1232-cal4s,70973:1
 Misc Info : 12692
 Comment : 8082A
 Method : \\192.168.50.6\chem\50GCS8.i\061814cal.b\8082r.m
 Meth Date : 19-Jun-2014 13:06 50GCS8.i Quant Type: ESTD
 Cal Date : 18-JUN-2014 16:27 Cal File: 004b1501.d
 Als bottle: 4 Calibration Sample, Level: 4
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: 1232.sub
 Target Version: 4.14 Sample Matrix: None

AMOUNTS									
			CAL-AMT		ON-COL				
RT	EXP RT	DLT RT	RESPONSE	(ug/mL)	(ug/mL)	TARGET	RANGE		RATIO
====	=====	=====	=====	=====	=====	=====	=====		=====
\$ 1									
0.743	0.754	-0.011	40161527	0.50000	0.479				(M)

46									
1.276	1.276	0.000	704100	0.50000	0.500	0.00-	0.00		100.00 (M)
1.474	1.474	0.000	1287138	0.50000	0.500	0.00-	0.00		182.81
1.511	1.512	-0.001	591171	0.50000	0.500	0.00-	0.00		83.96
1.684	1.685	-0.001	523658	0.50000	0.500	0.00-	0.00		74.37
1.831	1.831	0.000	553026	0.50000	0.500	0.00-	0.00		78.54
Average of Peak Amounts =				0.50000					

QC Flag Legend

M - Compound response manually integrated.

Data File: \\192.168.50.6\chem\500CS8.1\061814ca1.b\004b1501.d
Date: 18-JUN-2014 16:27

Client ID:

Sample Info: 1232-DAL45.70973:1

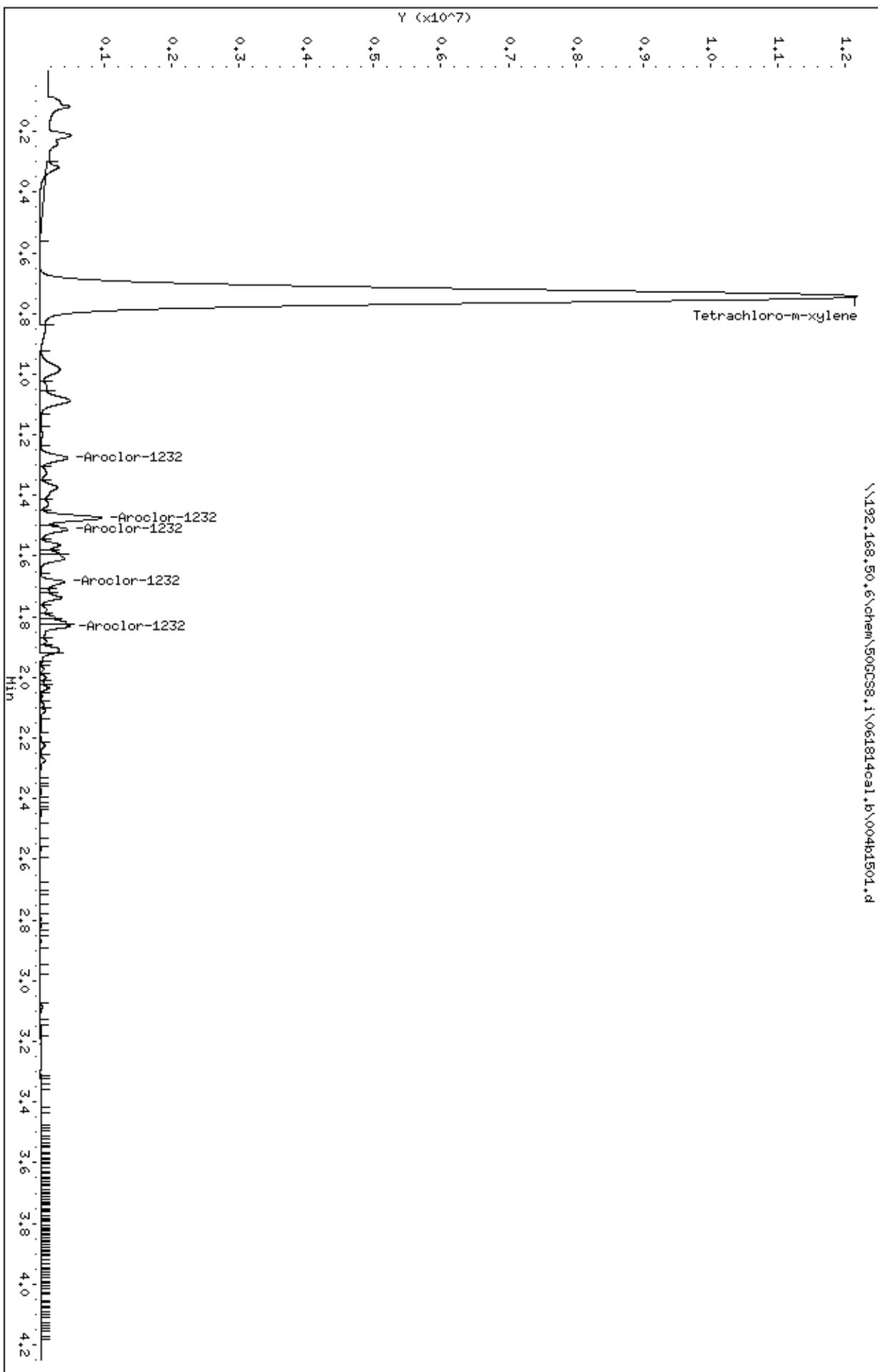
Instrument: 500CS8.1

Operator: DMT

Column diameter: 0.00

Column phase:

\\192.168.50.6\chem\500CS8.1\061814ca1.b\004b1501.d



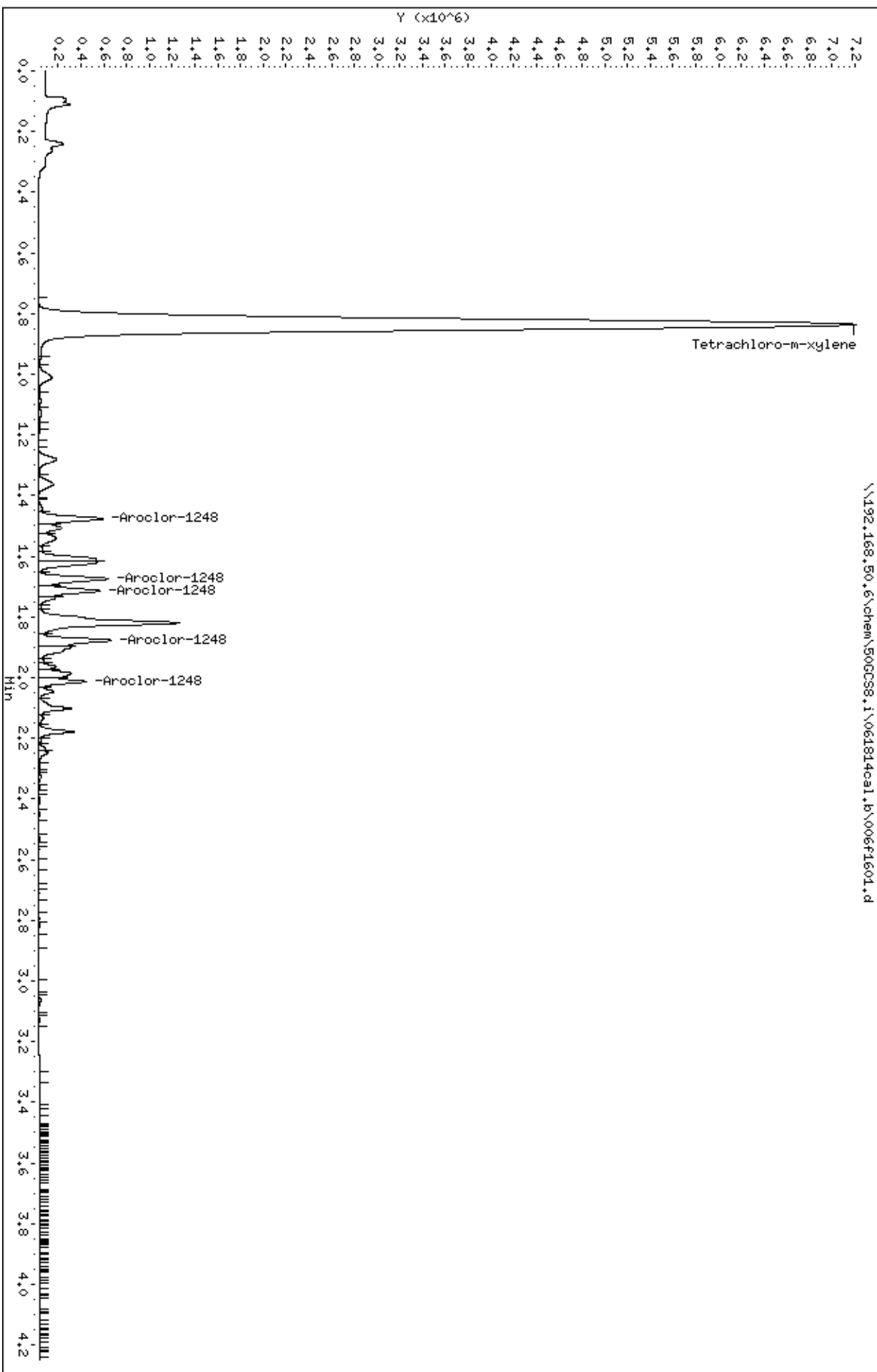
Pace Analytical Services, Inc.

PCB by Method 8082A

Data file : \\192.168.50.6\chem\50GCS8.i\061814cal.b\006f1601.d
 Lab Smp Id: 1248-CAL4S,70975:1
 Inj Date : 18-JUN-2014 16:33
 Operator : DMT Inst ID: 50GCS8.i
 Smp Info : 1248-cal4s,70975:1
 Misc Info : 12692
 Comment : 8082A
 Method : \\192.168.50.6\chem\50GCS8.i\061814cal.b\8082f.m
 Meth Date : 19-Jun-2014 13:09 50GCS8.i Quant Type: ESTD
 Cal Date : 18-JUN-2014 16:33 Cal File: 006f1601.d
 Als bottle: 6 Calibration Sample, Level: 4
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: 1248.sub
 Target Version: 4.14 Sample Matrix: None

AMOUNTS									
			CAL-AMT		ON-COL				
RT	EXP RT	DLT RT	RESPONSE	(ug/mL)	(ug/mL)	TARGET	RANGE	RATIO	
====	=====	=====	=====	=====	=====	=====	=====	=====	=====
\$ 1									
0.836	0.837	-0.001	18163692	0.50000	0.483				

48									
1.476	1.477	-0.001	704712	0.50000	0.500	0.00-	0.00	100.00	
1.674	1.674	0.000	776759	0.50000	0.500	0.00-	0.00	110.22	
1.714	1.714	0.000	690115	0.50000	0.500	0.00-	0.00	97.93	
1.877	1.878	-0.001	776350	0.50000	0.500	0.00-	0.00	110.17	
2.013	2.013	0.000	415484	0.50000	0.500	0.00-	0.00	58.96	
Average of Peak Amounts =				0.50000					



Pace Analytical Services, Inc.

PCB by Method 8082A

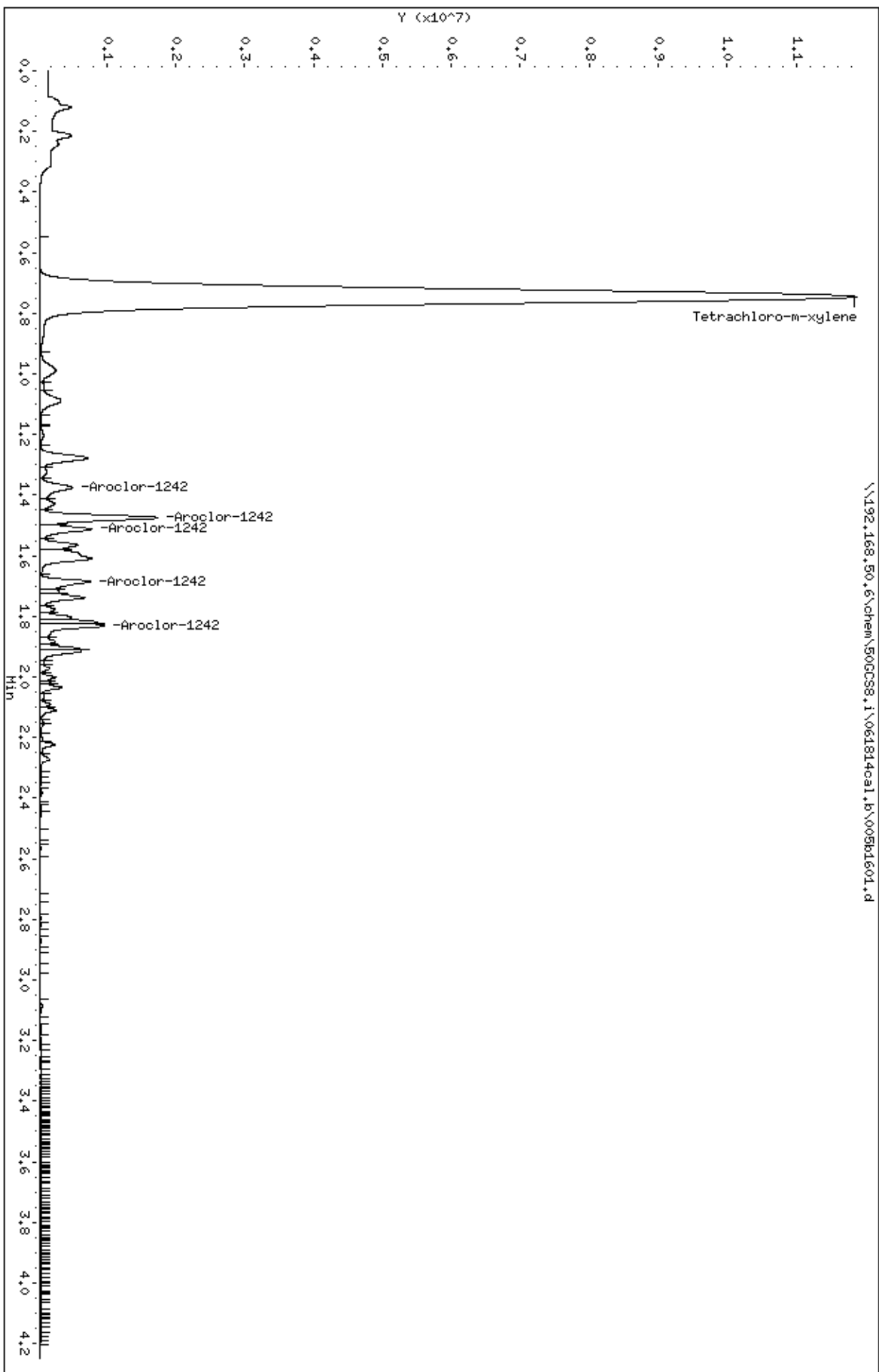
Data file : \\192.168.50.6\chem\50GCS8.i\061814cal.b\005b1601.d
 Lab Smp Id: 1242-CAL4S,70974:1
 Inj Date : 18-JUN-2014 16:33
 Operator : DMT Inst ID: 50GCS8.i
 Smp Info : 1242-cal4s,70974:1
 Misc Info : 12692
 Comment : 8082A
 Method : \\192.168.50.6\chem\50GCS8.i\061814cal.b\8082r.m
 Meth Date : 19-Jun-2014 13:06 50GCS8.i Quant Type: ESTD
 Cal Date : 18-JUN-2014 16:33 Cal File: 005b1601.d
 Als bottle: 5 Calibration Sample, Level: 4
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: 1242.sub
 Target Version: 4.14 Sample Matrix: None

		AMOUNTS							
RT	EXP RT	DLT RT	RESPONSE	CAL-AMT (ug/mL)	ON-COL (ug/mL)	TARGET	RANGE	RATIO	
=====	=====	=====	=====	=====	=====	=====	=====	=====	=====
\$ 1									CAS #: 877-09-8
0.746	0.754	-0.008	40001800	0.50000	0.474				

47									CAS #: 53469-21-9
1.375	1.375	0.000	892975	0.50000	0.500	0.00-	0.00	100.00	
1.475	1.475	0.000	2292327	0.50000	0.500	0.00-	0.00	256.71	
1.513	1.513	0.000	1037369	0.50000	0.500	0.00-	0.00	116.17	
1.686	1.686	0.000	1033054	0.50000	0.500	0.00-	0.00	115.69	
1.831	1.832	-0.001	1148790	0.50000	0.500	0.00-	0.00	128.65	
Average of Peak Amounts =				0.50000					

Column phase:

Instrument: 50CCS8.1
Operator: DMT
Column diameter: 0.00



Pace Analytical Services, Inc.

PCB by Method 8082A

Data file : \\192.168.50.6\chem\50GCS8.i\061814cal.b\007f1701.d
 Lab Smp Id: 1254-CAL4S,70976:1
 Inj Date : 18-JUN-2014 16:39
 Operator : DMT Inst ID: 50GCS8.i
 Smp Info : 1254-cal4s,70976:1
 Misc Info : 12692
 Comment : 8082A
 Method : \\192.168.50.6\chem\50GCS8.i\061814cal.b\8082f.m
 Meth Date : 19-Jun-2014 13:09 50GCS8.i Quant Type: ESTD
 Cal Date : 18-JUN-2014 16:50 Cal File: 009f1901.d
 Als bottle: 7 Calibration Sample, Level: 4
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: 1254.sub
 Target Version: 4.14 Sample Matrix: None

AMOUNTS									
			CAL-AMT		ON-COL				
RT	EXP RT	DLT RT	RESPONSE	(ug/mL)	(ug/mL)	TARGET	RANGE	RATIO	
====	=====	=====	=====	=====	=====	=====	=====	=====	=====
\$ 1									CAS #: 877-09-8
0.832	0.837	-0.005	18277883	0.50000	0.486				

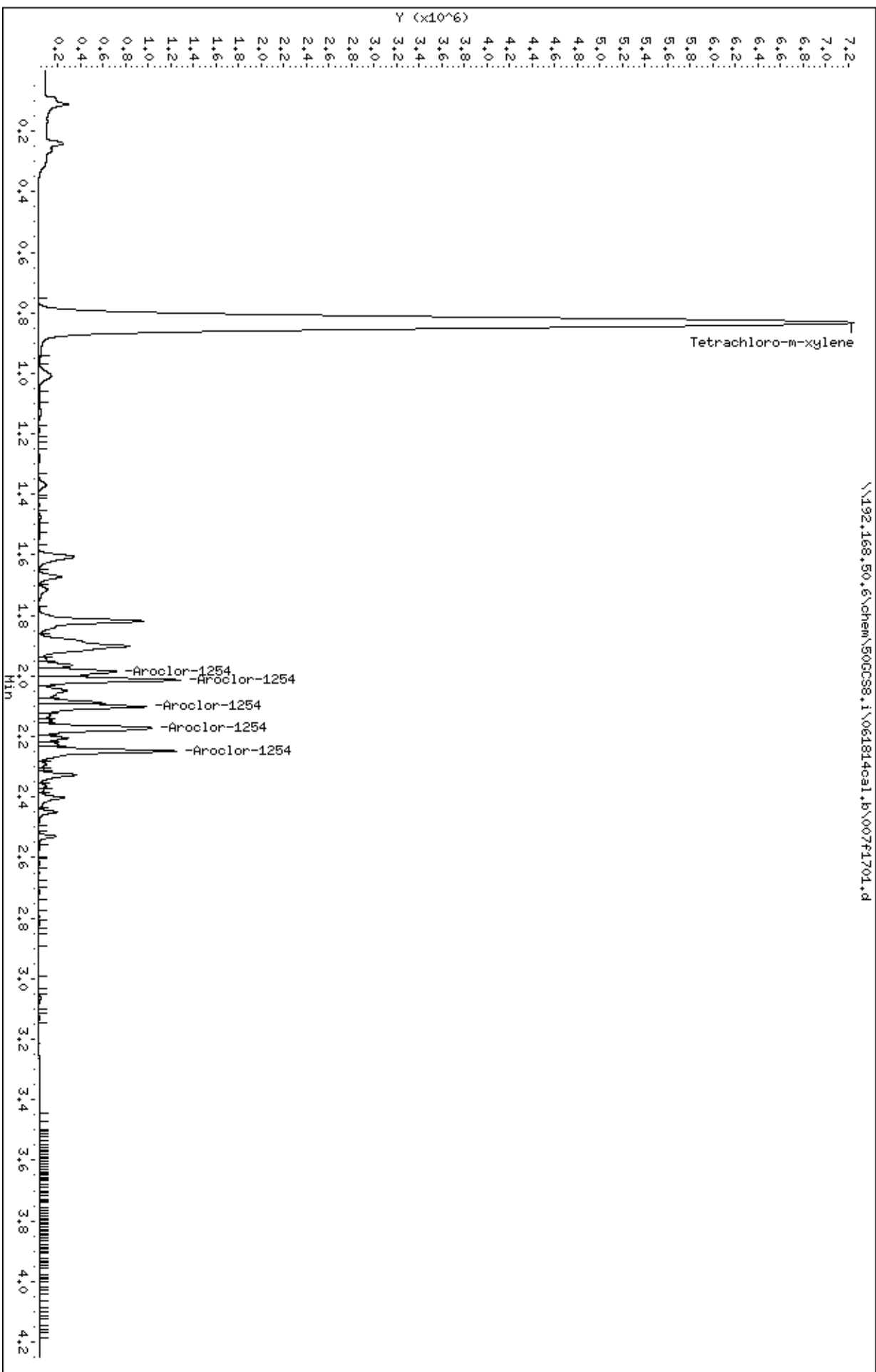
49									CAS #: 11097-69-1
1.985	1.985	0.000	785266	0.50000	0.500	0.00-	0.00	100.00	
2.013	2.013	0.000	1236325	0.50000	0.500	0.00-	0.00	157.44	
2.101	2.101	0.000	931647	0.50000	0.500	0.00-	0.00	118.64	
2.170	2.170	0.000	1220288	0.50000	0.500	0.00-	0.00	155.40	
2.248	2.248	0.000	1268449	0.50000	0.500	0.00-	0.00	161.53	
Average of Peak Amounts =					0.50000				

Data File: \\192.168.50.6\chem\500CS8.1\061814ca1.b\007f1701.d
Date: 18-JUN-2014 16:39

Client ID:
Sample Info: 1254-DAL45.70976:1

Column phase:

Instrument: 500CS8.1
Operator: DMT
Column diameter: 0.00



Pace Analytical Services, Inc.

PCB by Method 8082A

Data file : \\192.168.50.6\chem\50GCS8.i\061814cal.b\006b1701.d
 Lab Smp Id: 1248-CAL4S,70975:1
 Inj Date : 18-JUN-2014 16:39
 Operator : DMT Inst ID: 50GCS8.i
 Smp Info : 1248-cal4s,70975:1
 Misc Info : 12692
 Comment : 8082A
 Method : \\192.168.50.6\chem\50GCS8.i\061814cal.b\8082r.m
 Meth Date : 19-Jun-2014 13:06 50GCS8.i Quant Type: ESTD
 Cal Date : 18-JUN-2014 16:56 Cal File: 009b2001.d
 Als bottle: 6 Calibration Sample, Level: 4
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: 1248.sub
 Target Version: 4.14 Sample Matrix: None

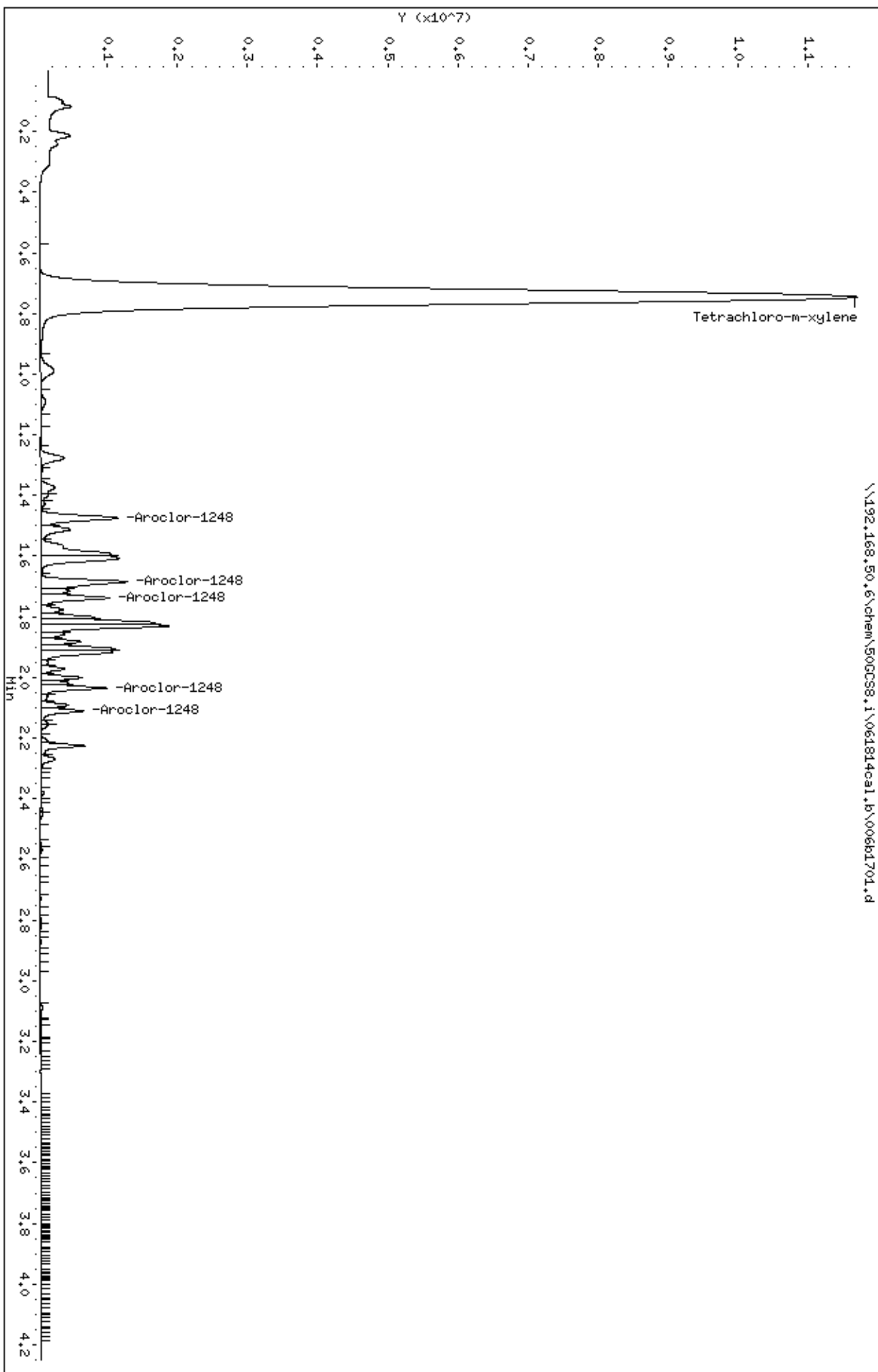
		AMOUNTS							
RT	EXP RT	DLT RT	RESPONSE	CAL-AMT (ug/mL)	ON-COL (ug/mL)	TARGET RANGE		RATIO	
====	=====	=====	=====	=====	=====	=====		=====	
\$ 1						CAS #: 877-09-8			
0.745	0.754	-0.009	39554750	0.50000	0.469				

48						CAS #: 12672-29-6			
1.474	1.474	0.000	1423702	0.50000	0.500	0.00-	0.00	100.00	
1.684	1.685	-0.001	1610464	0.50000	0.500	0.00-	0.00	113.12	
1.737	1.738	-0.001	1121821	0.50000	0.500	0.00-	0.00	78.80	
2.034	2.035	-0.001	885287	0.50000	0.500	0.00-	0.00	62.18	
2.110	2.111	-0.001	604676	0.50000	0.500	0.00-	0.00	42.47	
Average of Peak Amounts =				0.50000					

Column phase:

Instrument: 50CCS8.1
Operator: DMT
Column diameter: 0.00

\\192.168.50.6\chem\50CCS8.1\061814ca1.b\006b1701.d



Pace Analytical Services, Inc.

PCB by Method 8082A

Data file : \\192.168.50.6\chem\50GCS8.i\061814cal.b\007b1801.d
 Lab Smp Id: 1254-CAL4S,70976:1
 Inj Date : 18-JUN-2014 16:44
 Operator : DMT Inst ID: 50GCS8.i
 Smp Info : 1254-cal4s,70976:1
 Misc Info : 12692
 Comment : 8082A
 Method : \\192.168.50.6\chem\50GCS8.i\061814cal.b\8082r.m
 Meth Date : 19-Jun-2014 13:06 50GCS8.i Quant Type: ESTD
 Cal Date : 18-JUN-2014 16:44 Cal File: 007b1801.d
 Als bottle: 7 Calibration Sample, Level: 4
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: 1254.sub
 Target Version: 4.14 Sample Matrix: None

AMOUNTS									
			CAL-AMT		ON-COL				
RT	EXP RT	DLT RT	RESPONSE	(ug/mL)	(ug/mL)	TARGET	RANGE	RATIO	
====	=====	=====	=====	=====	=====	=====	=====	=====	=====
\$ 1									
0.747	0.754	-0.007	40039411	0.50000	0.478				

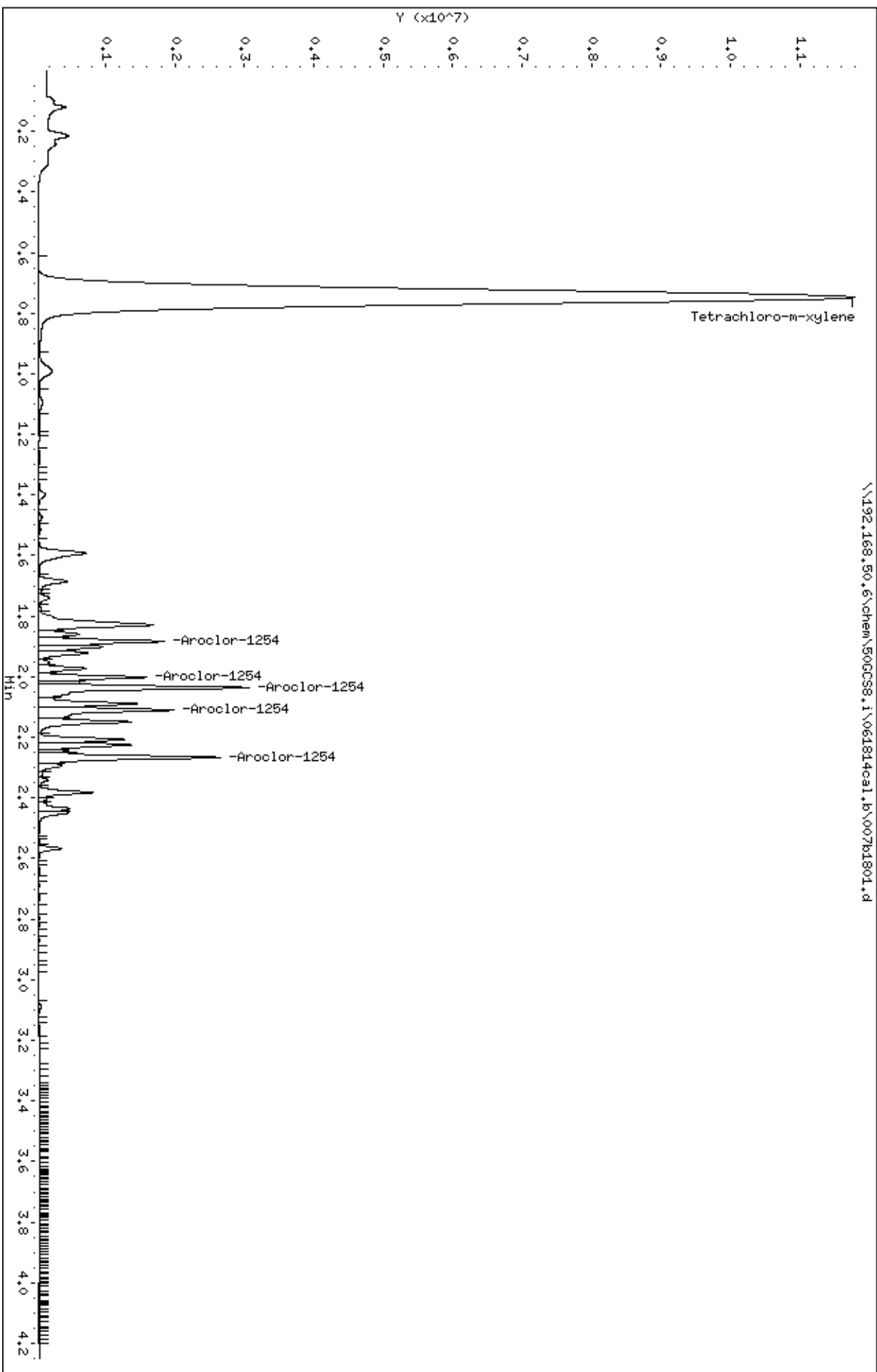
49									
1.883	1.883	0.000	1655826	0.50000	0.500	0.00-	0.00	100.00	
2.001	2.001	0.000	1367984	0.50000	0.500	0.00-	0.00	82.62	
2.036	2.036	0.000	3221048	0.50000	0.500	0.00-	0.00	194.53	
2.109	2.109	0.000	2056636	0.50000	0.500	0.00-	0.00	124.21	
2.266	2.266	0.000	2522649	0.50000	0.500	0.00-	0.00	152.35	
Average of Peak Amounts =				0.50000					

Data File: \\192.168.50.6\chem\500CS8.1\061814ca1.b\007b1801.d
Date: 18-JUN-2014 16:44

Client ID:
Sample Info: 1254-DAL45.70976:1

Column phase:

Instrument: 500CS8.1
Operator: DMT
Column diameter: 0.00



Pace Analytical Services, Inc.

PCB by Method 8082A

Data file : \\192.168.50.6\chem\50GCS8.i\061814cal.b\011f2001.d
 Lab Smp Id: CAL1A,70979:1
 Inj Date : 18-JUN-2014 16:56
 Operator : DMT Inst ID: 50GCS8.i
 Smp Info : calla,70979:1
 Misc Info : 12692
 Comment : 8082A
 Method : \\192.168.50.6\chem\50GCS8.i\061814cal.b\8082f.m
 Meth Date : 19-Jun-2014 13:09 50GCS8.i Quant Type: ESTD
 Cal Date : 18-JUN-2014 16:56 Cal File: 011f2001.d
 Als bottle: 11 Calibration Sample, Level: 1
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: ical.sub
 Target Version: 4.14 Sample Matrix: None

AMOUNTS								
RT	EXP RT	DLT RT	RESPONSE	CAL-AMT (ug/mL)	ON-COL (ug/mL)	TARGET RANGE	RATIO	
====	=====	=====	=====	=====	=====	=====	=====	

\$ 1	Tetrachloro-m-xylene				CAS #: 877-09-8			
0.835	0.837	-0.002	1504382	0.05000	0.045			

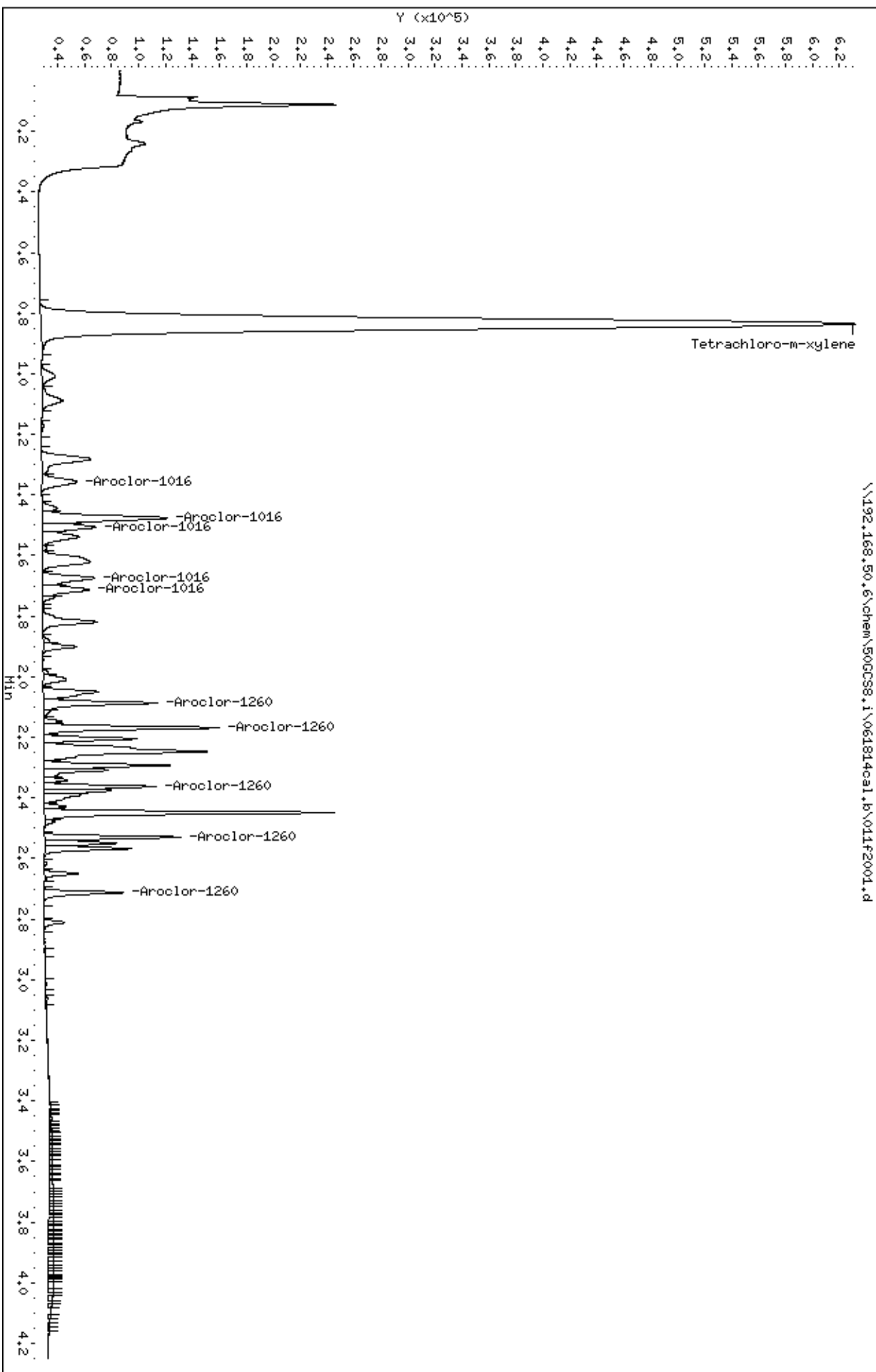
23		Aroclor-1016				CAS #: 12674-11-2		
1.356	1.357	-0.001	42412	0.05000	0.045	0.00-	0.00	100.00
1.476	1.477	-0.001	117047	0.05000	0.045	0.00-	0.00	275.98
1.506	1.507	-0.001	46934	0.05000	0.045	0.00-	0.00	110.66
1.673	1.674	-0.001	52207	0.05000	0.045	0.00-	0.00	123.09
1.712	1.714	-0.002	45656	0.05000	0.044	0.00-	0.00	107.65
Average of Peak Amounts =					0.04480			

29		Aroclor-1260				CAS #: 11096-82-5		
2.086	2.087	-0.001	76185	0.05000	0.046	0.00-	0.00	100.00
2.168	2.168	0.000	111431	0.05000	0.045	0.00-	0.00	146.26
2.362	2.362	0.000	61974	0.05000	0.044	0.00-	0.00	81.35
2.529	2.529	0.000	75787	0.05000	0.044	0.00-	0.00	99.48
2.712	2.711	0.001	49500	0.05000	0.045	0.00-	0.00	64.97
Average of Peak Amounts =					0.04480			

Client ID:
Sample Info: C4L1A,70979;1

Column phase:

Instrument: 500CS8.1
Operator: DMT
Column diameter: 0.00



Pace Analytical Services, Inc.

PCB by Method 8082A

Data file : \\192.168.50.6\chem\50GCS8.i\061814cal.b\012f2101.d
 Lab Smp Id: CAL2A,70980:1
 Inj Date : 18-JUN-2014 17:02
 Operator : DMT Inst ID: 50GCS8.i
 Smp Info : cal2a,70980:1
 Misc Info : 12692
 Comment : 8082A
 Method : \\192.168.50.6\chem\50GCS8.i\061814cal.b\8082f.m
 Meth Date : 19-Jun-2014 13:09 50GCS8.i Quant Type: ESTD
 Cal Date : 18-JUN-2014 17:02 Cal File: 012f2101.d
 Als bottle: 12 Calibration Sample, Level: 2
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: ical.sub
 Target Version: 4.14 Sample Matrix: None

AMOUNTS								
RT	EXP RT	DLT RT	RESPONSE	CAL-AMT (ug/mL)	ON-COL (ug/mL)	TARGET RANGE	RATIO	
====	=====	=====	=====	=====	=====	=====	=====	

\$ 1	Tetrachloro-m-xylene				CAS #: 877-09-8			
0.833	0.837	-0.004	3160687	0.10000	0.095			

23	Aroclor-1016				CAS #: 12674-11-2			
1.356	1.357	-0.001	93501	0.10000	0.099	0.00-	0.00	100.00
1.476	1.477	-0.001	248242	0.10000	0.096	0.00-	0.00	265.50
1.506	1.507	-0.001	102645	0.10000	0.099	0.00-	0.00	109.78
1.673	1.674	-0.001	113039	0.10000	0.098	0.00-	0.00	120.90
1.712	1.714	-0.002	99951	0.10000	0.098	0.00-	0.00	106.90
Average of Peak Amounts =					0.09800			

29	Aroclor-1260				CAS #: 11096-82-5			
2.086	2.087	-0.001	161084	0.10000	0.097	0.00-	0.00	100.00
2.167	2.168	-0.001	236642	0.10000	0.096	0.00-	0.00	146.91
2.362	2.362	0.000	133225	0.10000	0.095	0.00-	0.00	82.71
2.529	2.529	0.000	162783	0.10000	0.094	0.00-	0.00	101.05
2.711	2.711	0.000	102084	0.10000	0.093	0.00-	0.00	63.37
Average of Peak Amounts =					0.09500			

Data File: \\192.168.50.6\chem\500CS8.1\061814ca1.b\012f2101.d
Date: 18-JUN-2014 17:02

Client ID:

Sample Info: CAL2A,70980;1

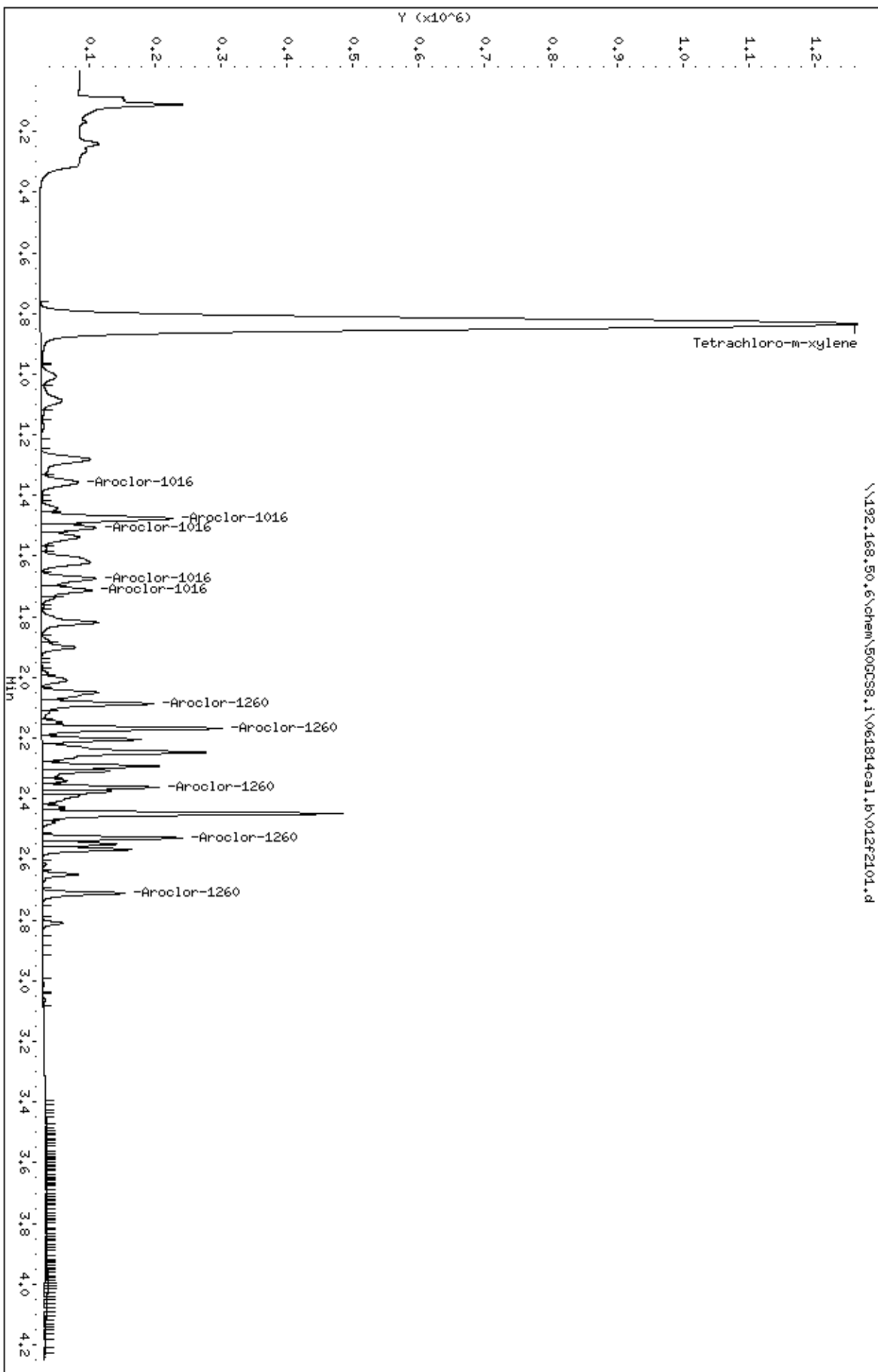
Instrument: 500CS8.1

Operator: DMT

Column diameter: 0.00

Column phase:

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Pace Analytical Services, Inc.

PCB by Method 8082A

Data file : \\192.168.50.6\chem\50GCS8.i\061814cal.b\011b2101.d
 Lab Smp Id: CAL1A,70979:1
 Inj Date : 18-JUN-2014 17:02
 Operator : DMT Inst ID: 50GCS8.i
 Smp Info : calla,70979:1
 Misc Info : 12692
 Comment : 8082A
 Method : \\192.168.50.6\chem\50GCS8.i\061814cal.b\8082r.m
 Meth Date : 19-Jun-2014 13:06 50GCS8.i Quant Type: ESTD
 Cal Date : 18-JUN-2014 17:02 Cal File: 011b2101.d
 Als bottle: 11 Calibration Sample, Level: 1
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: ical.sub
 Target Version: 4.14 Sample Matrix: None

AMOUNTS

RT	EXP RT	DLT RT	RESPONSE	CAL-AMT (ug/mL)	ON-COL (ug/mL)	TARGET RANGE	RATIO

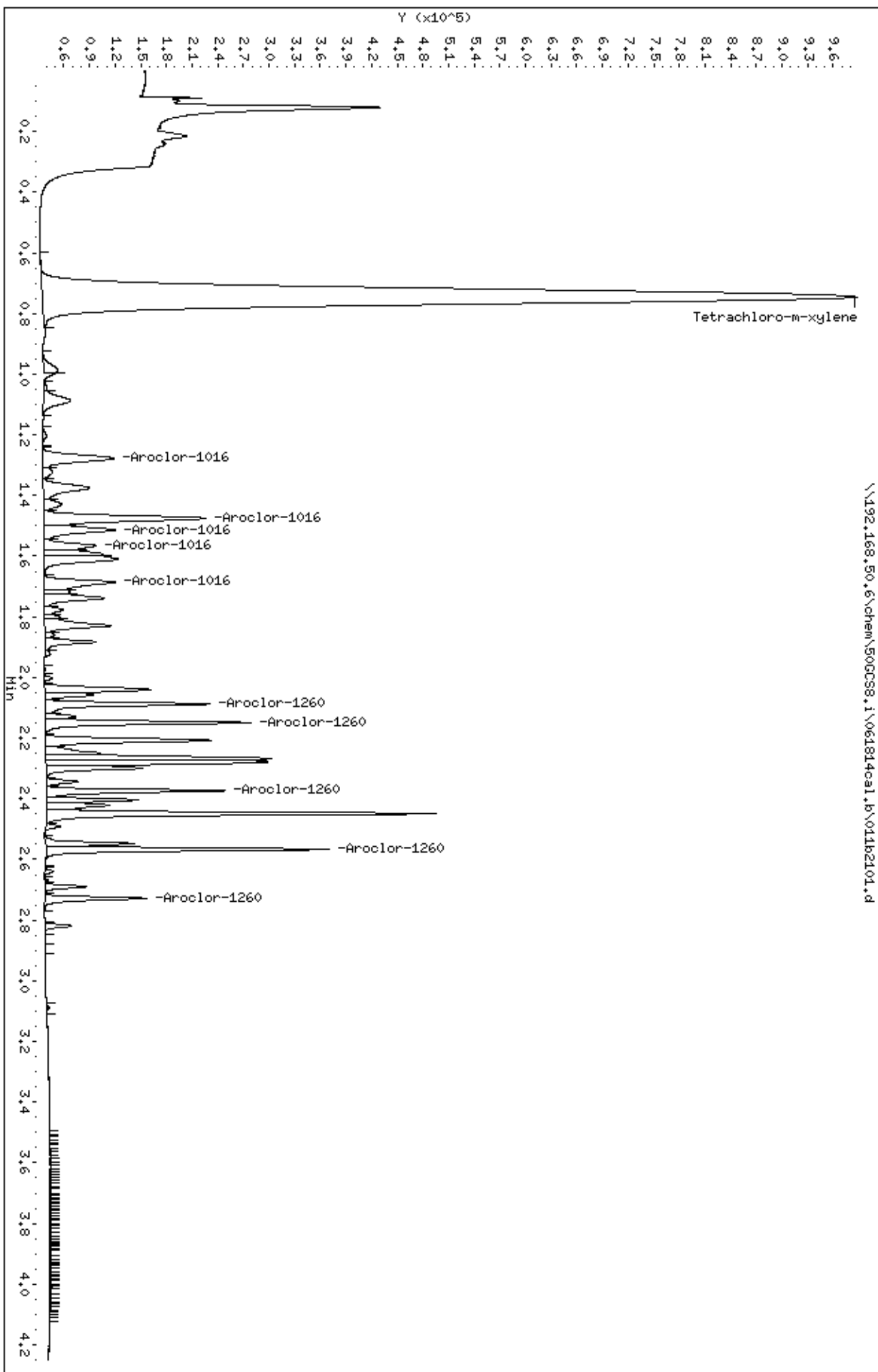
\$ 1	Tetrachloro-m-xylene				CAS #: 877-09-8		
0.745	0.754	-0.009	3229853	0.05000	0.044		

23	Aroclor-1016				CAS #: 12674-11-2		
1.277	1.280	-0.003	134023	0.05000	0.049	0.00- 0.00	100.00
1.475	1.477	-0.002	254420	0.05000	0.045	0.00- 0.00	189.83
1.514	1.515	-0.001	117324	0.05000	0.047	0.00- 0.00	87.54
1.565	1.567	-0.002	77527	0.05000	0.045	0.00- 0.00	57.85
1.685	1.686	-0.001	114894	0.05000	0.047	0.00- 0.00	85.73
	Average of Peak Amounts =				0.04660		

29	Aroclor-1260				CAS #: 11096-82-5		
2.087	2.088	-0.001	169434	0.05000	0.045	0.00- 0.00	100.00
2.149	2.149	0.000	204965	0.05000	0.046	0.00- 0.00	120.97
2.373	2.373	0.000	166303	0.05000	0.045	0.00- 0.00	98.15
2.566	2.568	-0.002	263256	0.05000	0.043	0.00- 0.00	155.37
2.728	2.729	-0.001	95923	0.05000	0.045	0.00- 0.00	56.61
	Average of Peak Amounts =				0.04480		

Instrument: 500CS8.1
Operator: DMT
Column diameter: 0.00
Column phase:

\\192.168.50.6\chem\500CS8.1\061814ca1.b\011b2101.d



Pace Analytical Services, Inc.

PCB by Method 8082A

Data file : \\192.168.50.6\chem\50GCS8.i\061814cal.b\013f2201.d
 Lab Smp Id: CAL3A,70981:1
 Inj Date : 18-JUN-2014 17:08
 Operator : DMT Inst ID: 50GCS8.i
 Smp Info : cal3a,70981:1
 Misc Info : 12692
 Comment : 8082A
 Method : \\192.168.50.6\chem\50GCS8.i\061814cal.b\8082f.m
 Meth Date : 19-Jun-2014 13:09 50GCS8.i Quant Type: ESTD
 Cal Date : 18-JUN-2014 17:08 Cal File: 013f2201.d
 Als bottle: 13 Calibration Sample, Level: 3
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: ical.sub
 Target Version: 4.14 Sample Matrix: None

AMOUNTS								
RT	EXP RT	DLT RT	RESPONSE	CAL-AMT (ug/mL)	ON-COL (ug/mL)	TARGET RANGE	RATIO	
====	=====	=====	=====	=====	=====	=====	=====	

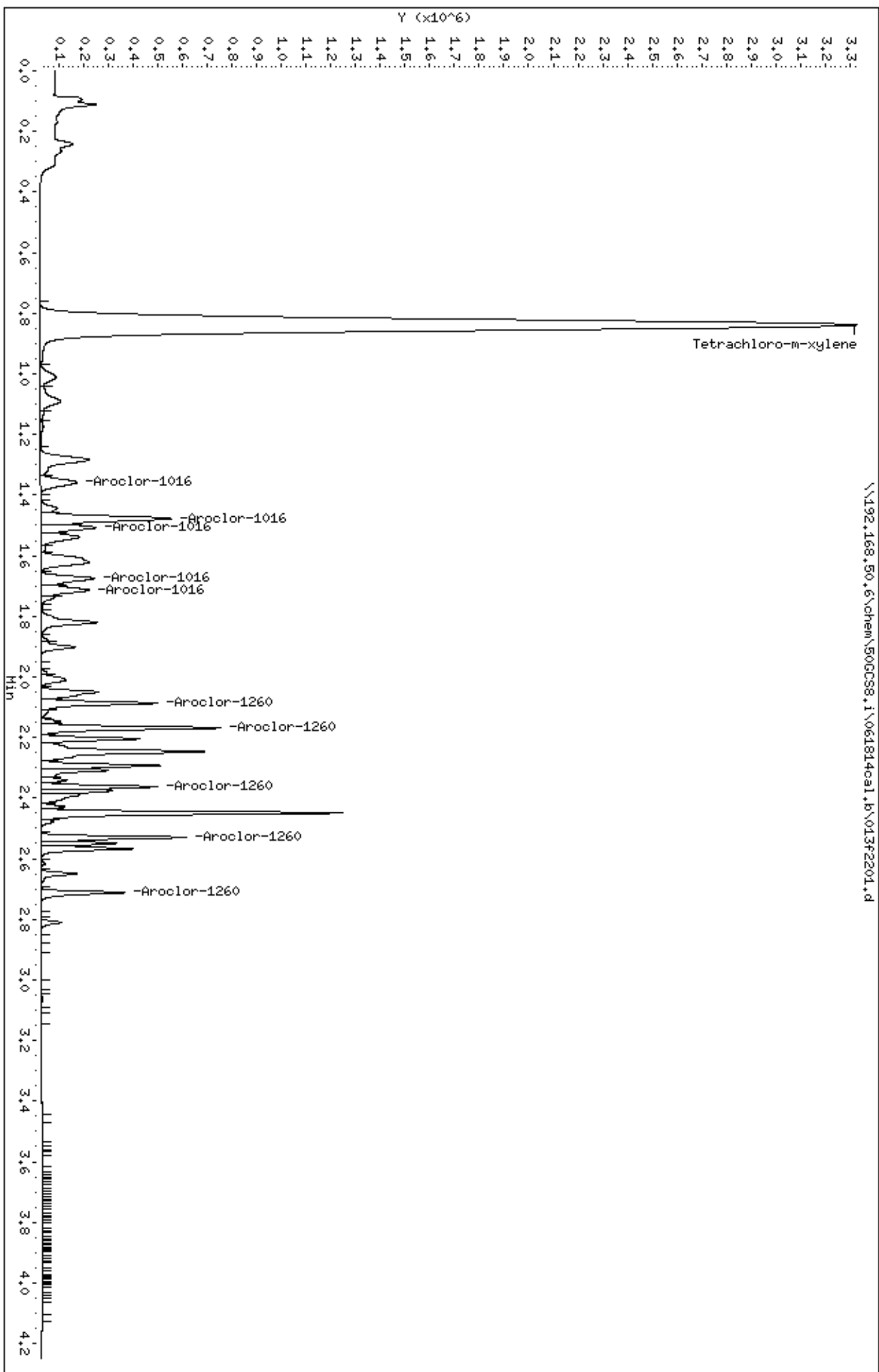
\$ 1	Tetrachloro-m-xylene				CAS #: 877-09-8			
0.839	0.837	0.002	8405869	0.25000	0.255			

23		Aroclor-1016				CAS #: 12674-11-2		
1.358	1.357	0.001	246199	0.25000	0.263	0.00-	0.00	100.00
1.478	1.477	0.001	667962	0.25000	0.258	0.00-	0.00	271.31
1.508	1.507	0.001	268614	0.25000	0.260	0.00-	0.00	109.10
1.675	1.674	0.001	300059	0.25000	0.261	0.00-	0.00	121.88
1.714	1.714	0.000	263867	0.25000	0.258	0.00-	0.00	107.18
Average of Peak Amounts =				0.26000				

29		Aroclor-1260				CAS #: 11096-82-5		
2.087	2.087	0.000	424967	0.25000	0.257	0.00-	0.00	100.00
2.168	2.168	0.000	630181	0.25000	0.257	0.00-	0.00	148.29
2.362	2.362	0.000	355014	0.25000	0.255	0.00-	0.00	83.54
2.529	2.529	0.000	440437	0.25000	0.256	0.00-	0.00	103.64
2.712	2.711	0.001	277838	0.25000	0.253	0.00-	0.00	65.38
Average of Peak Amounts =				0.25560				

Column phase:

Instrument: 500CS8.1
Operator: DMT
Column diameter: 0.00



Pace Analytical Services, Inc.

PCB by Method 8082A

Data file : \\192.168.50.6\chem\50GCS8.i\061814cal.b\012b2201.d
 Lab Smp Id: CAL2A,70980:1
 Inj Date : 18-JUN-2014 17:08
 Operator : DMT Inst ID: 50GCS8.i
 Smp Info : cal2a,70980:1
 Misc Info : 12692
 Comment : 8082A
 Method : \\192.168.50.6\chem\50GCS8.i\061814cal.b\8082r.m
 Meth Date : 19-Jun-2014 13:06 50GCS8.i Quant Type: ESTD
 Cal Date : 18-JUN-2014 17:08 Cal File: 012b2201.d
 Als bottle: 12 Calibration Sample, Level: 2
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: ical.sub
 Target Version: 4.14 Sample Matrix: None

AMOUNTS								
RT	EXP RT	DLT RT	RESPONSE	CAL-AMT (ug/mL)	ON-COL (ug/mL)	TARGET RANGE	RATIO	
====	=====	=====	=====	=====	=====	=====	=====	

\$ 1	Tetrachloro-m-xylene				CAS #: 877-09-8			
0.750	0.754	-0.004	6843276	0.10000	0.093			

23		Aroclor-1016				CAS #: 12674-11-2		
1.278	1.280	-0.002	268876	0.10000	0.098	0.00-	0.00	100.00
1.476	1.477	-0.001	520853	0.10000	0.093	0.00-	0.00	193.71
1.513	1.515	-0.002	238247	0.10000	0.096	0.00-	0.00	88.61
1.565	1.567	-0.002	158327	0.10000	0.093	0.00-	0.00	58.88
1.686	1.686	0.000	231579	0.10000	0.095	0.00-	0.00	86.13
Average of Peak Amounts =					0.09500			

29		Aroclor-1260				CAS #: 11096-82-5		
2.088	2.088	0.000	360303	0.10000	0.097	0.00-	0.00	100.00
2.149	2.149	0.000	435350	0.10000	0.097	0.00-	0.00	120.83
2.373	2.373	0.000	352379	0.10000	0.096	0.00-	0.00	97.80
2.567	2.568	-0.001	561358	0.10000	0.093	0.00-	0.00	155.80
2.729	2.729	0.000	200805	0.10000	0.094	0.00-	0.00	55.73
Average of Peak Amounts =					0.09540			

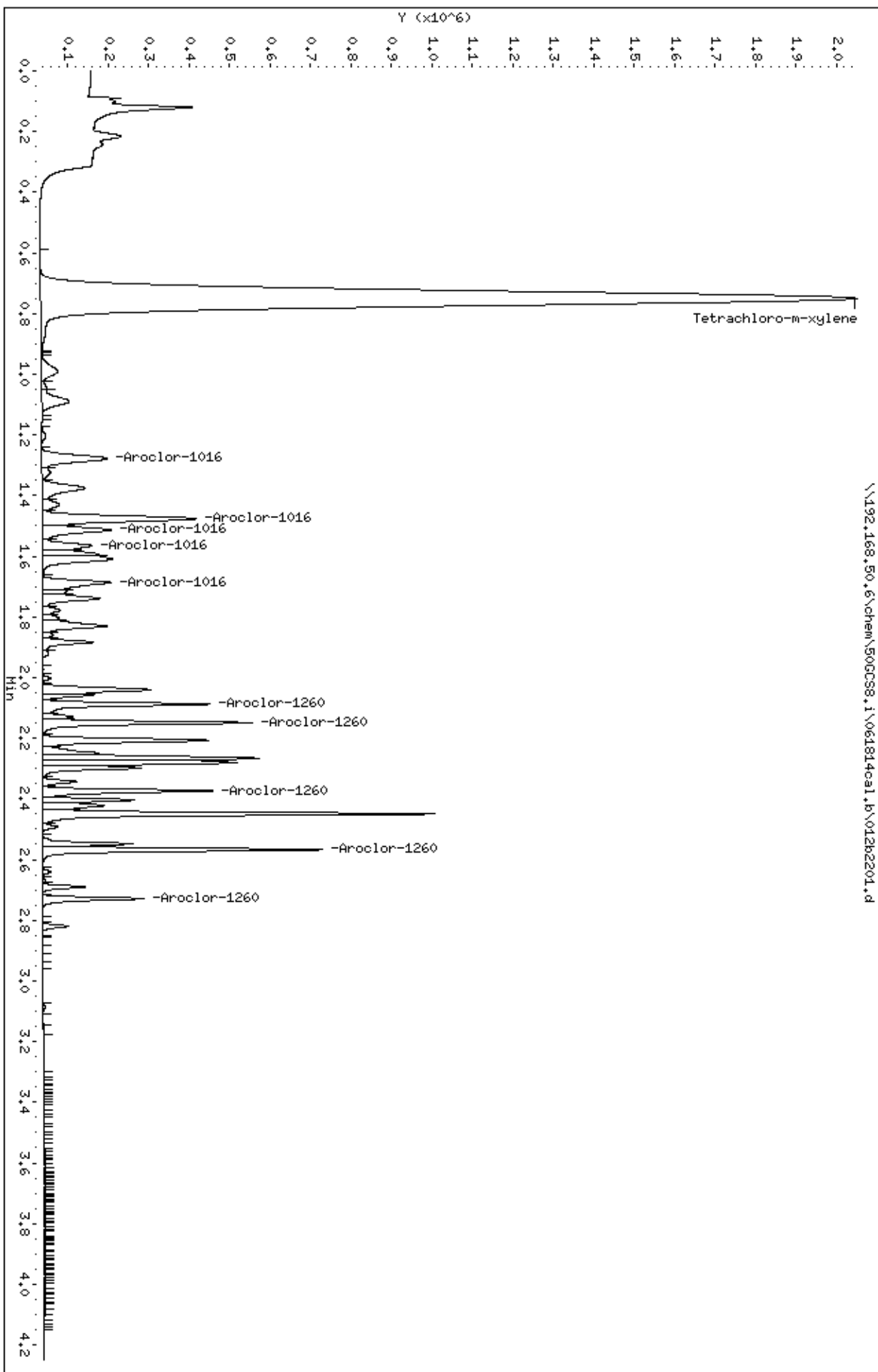
Data File: \\192.168.50.6\chem\500CS8.1\061814ca1.b\012b2201.d
Date: 18-JUN-2014 17:08
Client ID:
Sample Info: CAL2A,70980;1

Instrument: 500CS8.1

Page 2

Column phase:

Operator: DMT
Column diameter: 0.00



Pace Analytical Services, Inc.

PCB by Method 8082A

Data file : \\192.168.50.6\chem\50GCS8.i\061814cal.b\014f2301.d
 Lab Smp Id: CAL4A,70982:1
 Inj Date : 18-JUN-2014 17:13
 Operator : DMT Inst ID: 50GCS8.i
 Smp Info : cal4a,70982:1
 Misc Info : 12692
 Comment : 8082A
 Method : \\192.168.50.6\chem\50GCS8.i\061814cal.b\8082f.m
 Meth Date : 19-Jun-2014 13:09 50GCS8.i Quant Type: ESTD
 Cal Date : 18-JUN-2014 17:13 Cal File: 014f2301.d
 Als bottle: 14 Calibration Sample, Level: 4
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: ical.sub
 Target Version: 4.14 Sample Matrix: None

AMOUNTS								
RT	EXP RT	DLT RT	RESPONSE	CAL-AMT (ug/mL)	ON-COL (ug/mL)	TARGET RANGE	RATIO	
====	=====	=====	=====	=====	=====	=====	=====	

\$ 1	Tetrachloro-m-xylene					CAS #: 877-09-8		
0.840	0.837	0.003	16920398	0.50000	0.513			

23	Aroclor-1016					CAS #: 12674-11-2		
1.358	1.357	0.001	497602	0.50000	0.531	0.00-	0.00	100.00
1.477	1.477	0.000	1342926	0.50000	0.519	0.00-	0.00	269.88
1.507	1.507	0.000	541406	0.50000	0.525	0.00-	0.00	108.80
1.674	1.674	0.000	605216	0.50000	0.526	0.00-	0.00	121.63
1.713	1.714	-0.001	535603	0.50000	0.525	0.00-	0.00	107.64
Average of Peak Amounts =					0.52520			

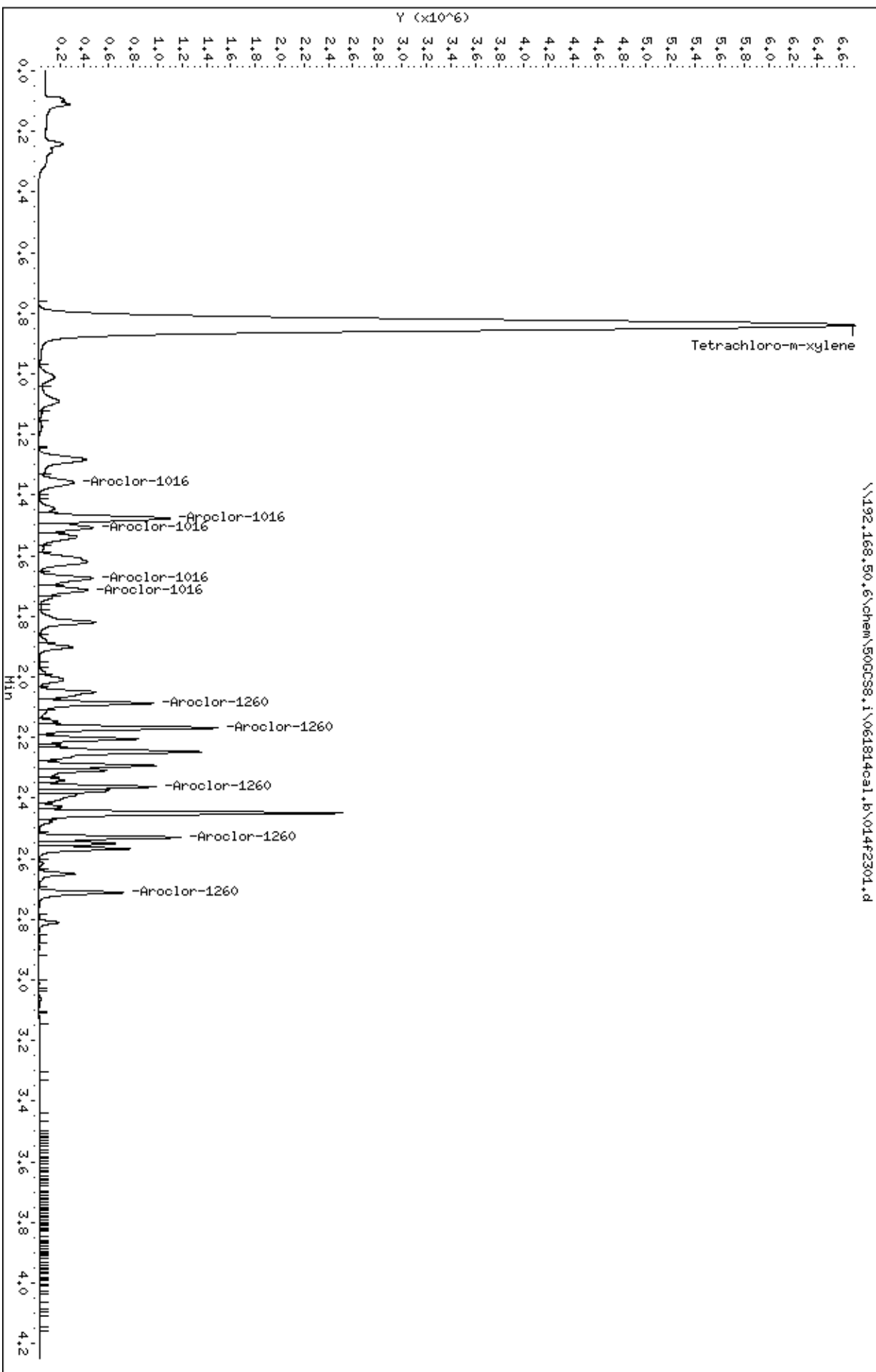
29	Aroclor-1260					CAS #: 11096-82-5		
2.087	2.087	0.000	859305	0.50000	0.520	0.00-	0.00	100.00
2.168	2.168	0.000	1268917	0.50000	0.519	0.00-	0.00	147.67
2.362	2.362	0.000	715715	0.50000	0.514	0.00-	0.00	83.29
2.530	2.529	0.001	892930	0.50000	0.519	0.00-	0.00	103.91
2.712	2.711	0.001	568744	0.50000	0.519	0.00-	0.00	66.19
Average of Peak Amounts =					0.51820			

Client ID:
Sample Info: CAL4A,70982:1

Instrument: 500CS8.1

Column phase:

Operator: DMT
Column diameter: 0.00



Pace Analytical Services, Inc.

PCB by Method 8082A

Data file : \\192.168.50.6\chem\50GCS8.i\061814cal.b\013b2301.d
 Lab Smp Id: CAL3A,70981:1
 Inj Date : 18-JUN-2014 17:13
 Operator : DMT Inst ID: 50GCS8.i
 Smp Info : cal3a,70981:1
 Misc Info : 12692
 Comment : 8082A
 Method : \\192.168.50.6\chem\50GCS8.i\061814cal.b\8082r.m
 Meth Date : 19-Jun-2014 13:06 50GCS8.i Quant Type: ESTD
 Cal Date : 18-JUN-2014 17:13 Cal File: 013b2301.d
 Als bottle: 13 Calibration Sample, Level: 3
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: ical.sub
 Target Version: 4.14 Sample Matrix: None

AMOUNTS

RT	EXP RT	DLT RT	RESPONSE	CAL-AMT (ug/mL)	ON-COL (ug/mL)	TARGET RANGE	RATIO

\$ 1	Tetrachloro-m-xylene				CAS #: 877-09-8		
0.747	0.754	-0.007	18545868	0.25000	0.253		

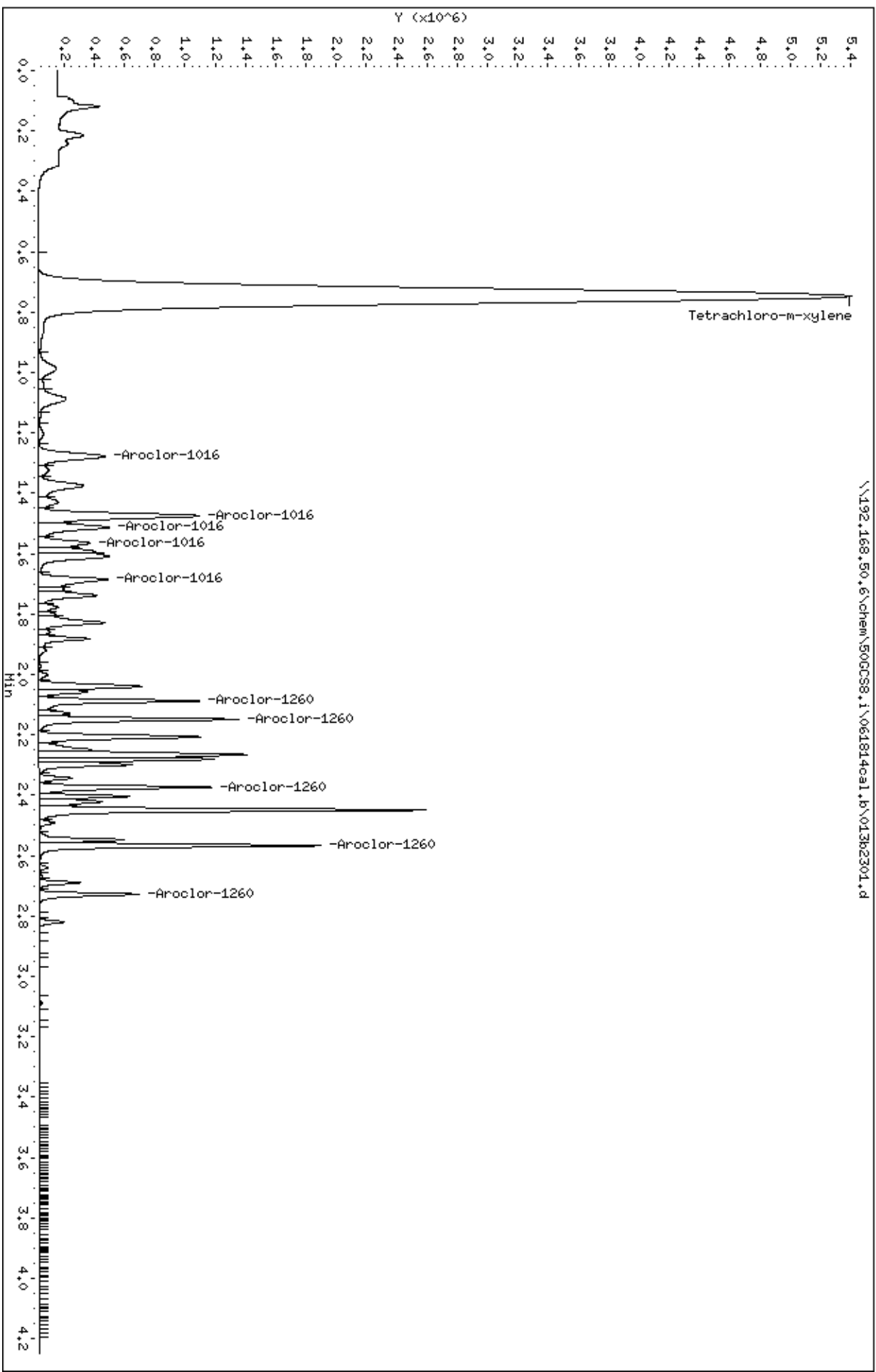
23	Aroclor-1016				CAS #: 12674-11-2		
1.278	1.280	-0.002	730693	0.25000	0.267	0.00- 0.00	100.00
1.475	1.477	-0.002	1428152	0.25000	0.256	0.00- 0.00	195.45
1.513	1.515	-0.002	655308	0.25000	0.265	0.00- 0.00	89.68
1.564	1.567	-0.003	448640	0.25000	0.265	0.00- 0.00	61.40
1.685	1.686	-0.001	640641	0.25000	0.263	0.00- 0.00	87.68
	Average of Peak Amounts =				0.26320		

29	Aroclor-1260				CAS #: 11096-82-5		
2.088	2.088	0.000	945854	0.25000	0.255	0.00- 0.00	100.00
2.149	2.149	0.000	1133540	0.25000	0.254	0.00- 0.00	119.84
2.373	2.373	0.000	922158	0.25000	0.253	0.00- 0.00	97.49
2.567	2.568	-0.001	1495073	0.25000	0.249	0.00- 0.00	158.07
2.728	2.729	-0.001	534146	0.25000	0.252	0.00- 0.00	56.47
	Average of Peak Amounts =				0.25260		

Client ID:
Sample Info: CAL3A,70981:1

Column phase:

Instrument: 500CS8.1
Operator: DMT
Column diameter: 0.00



Pace Analytical Services, Inc.

PCB by Method 8082A

Data file : \\192.168.50.6\chem\50GCS8.i\061814cal.b\015f2401.d
 Lab Smp Id: CAL5A,70983:1
 Inj Date : 18-JUN-2014 17:19
 Operator : DMT Inst ID: 50GCS8.i
 Smp Info : cal5a,70983:1
 Misc Info : 12692
 Comment : 8082A
 Method : \\192.168.50.6\chem\50GCS8.i\061814cal.b\8082f.m
 Meth Date : 19-Jun-2014 13:09 50GCS8.i Quant Type: ESTD
 Cal Date : 18-JUN-2014 17:19 Cal File: 015f2401.d
 Als bottle: 15 Calibration Sample, Level: 5
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: ical.sub
 Target Version: 4.14 Sample Matrix: None

AMOUNTS								
RT	EXP RT	DLT RT	RESPONSE	CAL-AMT (ug/mL)	ON-COL (ug/mL)	TARGET RANGE	RATIO	
====	=====	=====	=====	=====	=====	=====	=====	

\$ 1	Tetrachloro-m-xylene			CAS #: 877-09-8				
0.837	0.837	0.000	25888614	0.75000	0.785			

23 Aroclor-1016			CAS #: 12674-11-2					
1.357	1.357	0.000	749633	0.75000	0.800	0.00-	0.00	100.00
1.477	1.477	0.000	2032723	0.75000	0.786	0.00-	0.00	271.16
1.507	1.507	0.000	814635	0.75000	0.791	0.00-	0.00	108.67
1.675	1.674	0.001	912862	0.75000	0.794	0.00-	0.00	121.77
1.713	1.714	-0.001	812734	0.75000	0.797	0.00-	0.00	108.42
Average of Peak Amounts =					0.79360			

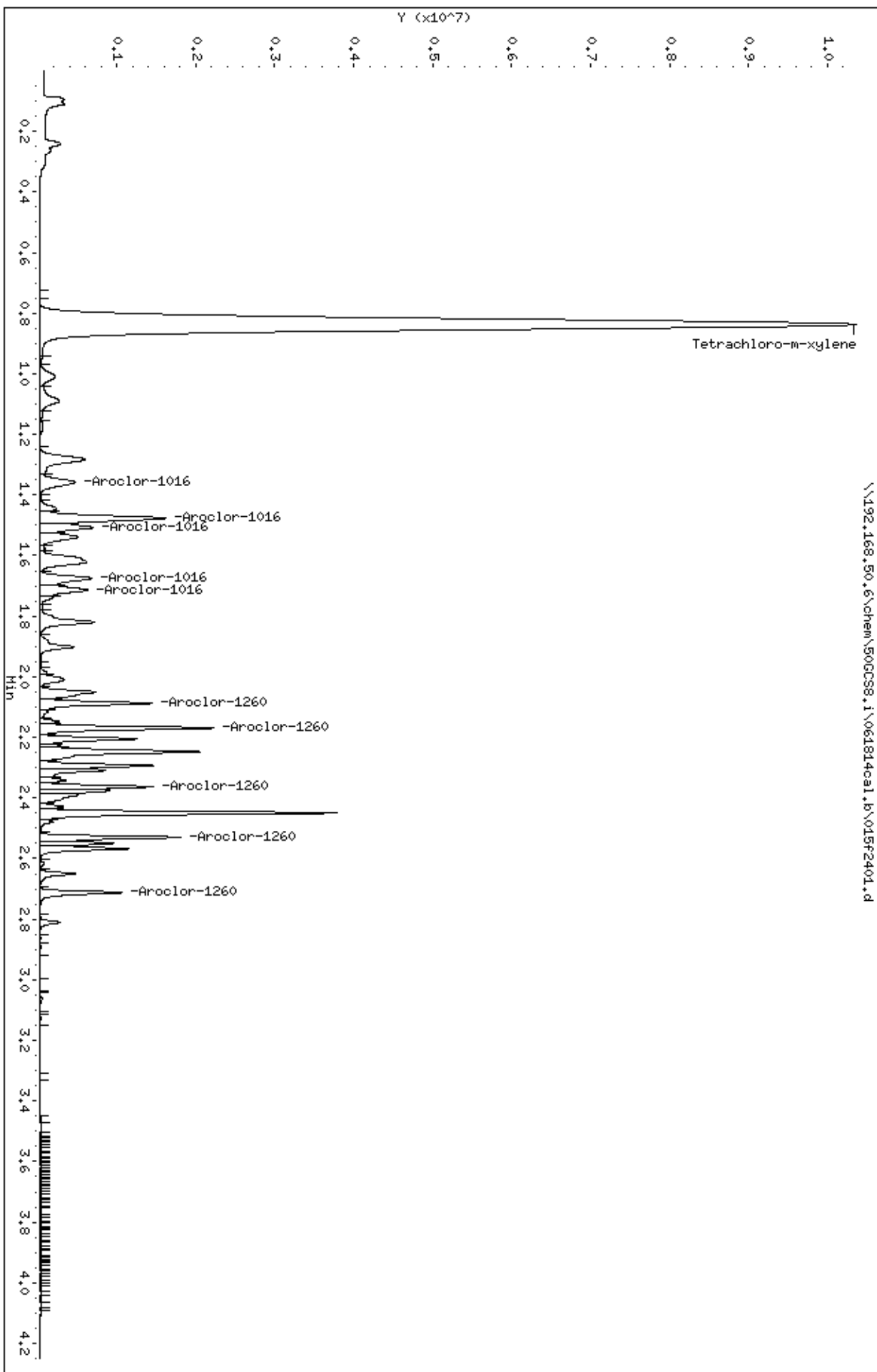
29 Aroclor-1260			CAS #: 11096-82-5					
2.087	2.087	0.000	1295684	0.75000	0.784	0.00-	0.00	100.00
2.168	2.168	0.000	1909646	0.75000	0.781	0.00-	0.00	147.39
2.362	2.362	0.000	1096638	0.75000	0.788	0.00-	0.00	84.64
2.529	2.529	0.000	1356829	0.75000	0.788	0.00-	0.00	104.72
2.712	2.711	0.001	863751	0.75000	0.789	0.00-	0.00	66.66
Average of Peak Amounts =					0.78600			

Data File: \\192.168.50.6\chem\500CS8.1\061814ca1.b\015f2401.d
Date: 18-JUN-2014 17:19

Client ID:
Sample Info: CAL5A,70983;1

Column phase:

Instrument: 500CS8.1
Operator: DMT
Column diameter: 0.00



Pace Analytical Services, Inc.

PCB by Method 8082A

Data file : \\192.168.50.6\chem\50GCS8.i\061814cal.b\014b2401.d
 Lab Smp Id: CAL4A,70982:1
 Inj Date : 18-JUN-2014 17:19
 Operator : DMT Inst ID: 50GCS8.i
 Smp Info : cal4a,70982:1
 Misc Info : 12692
 Comment : 8082A
 Method : \\192.168.50.6\chem\50GCS8.i\061814cal.b\8082r.m
 Meth Date : 19-Jun-2014 13:06 50GCS8.i Quant Type: ESTD
 Cal Date : 18-JUN-2014 17:19 Cal File: 014b2401.d
 Als bottle: 14 Calibration Sample, Level: 4
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: ical.sub
 Target Version: 4.14 Sample Matrix: None

AMOUNTS

RT	EXP RT	DLT RT	RESPONSE	CAL-AMT (ug/mL)	ON-COL (ug/mL)	TARGET RANGE	RATIO

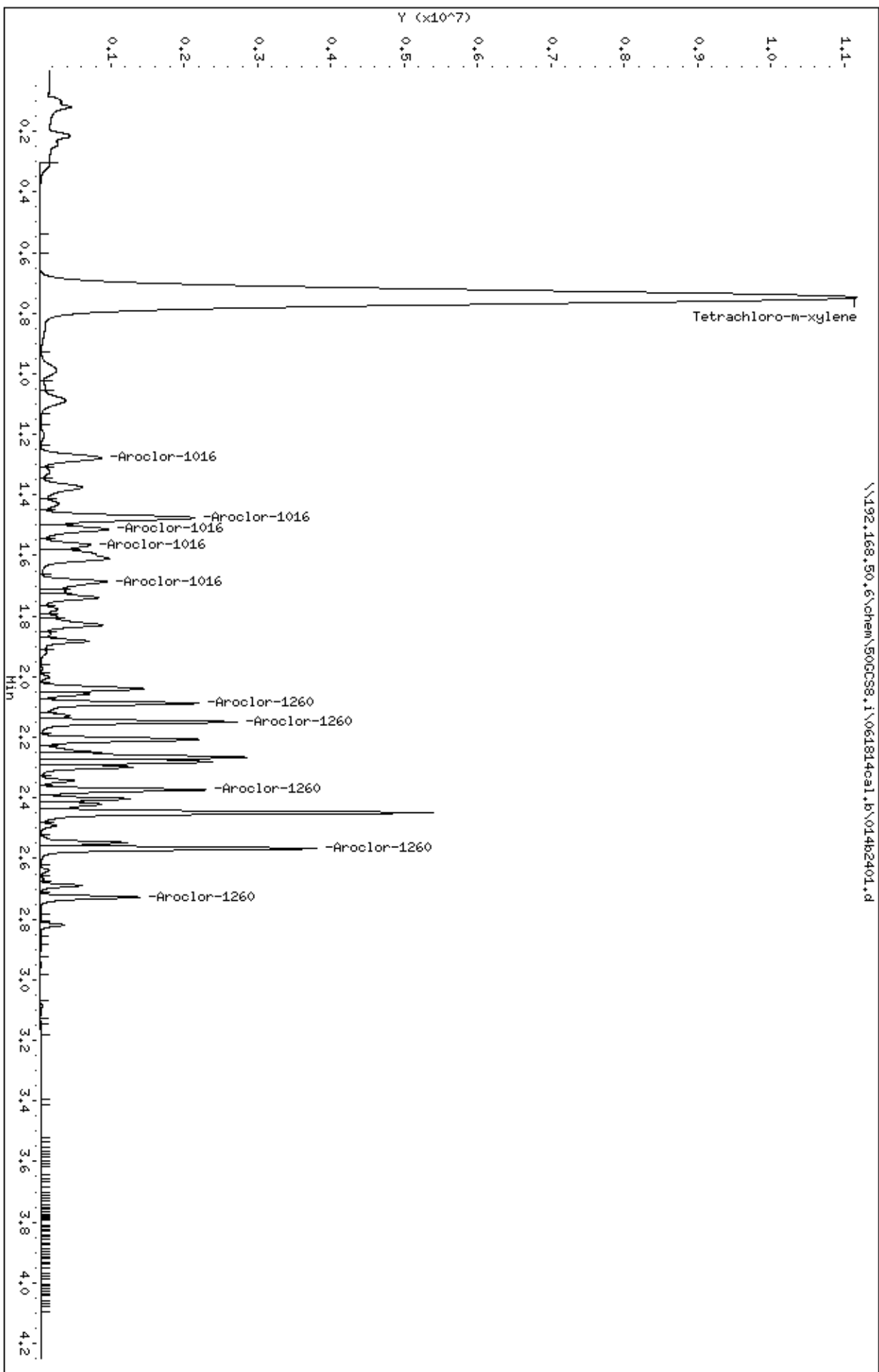
\$ 1	Tetrachloro-m-xylene				CAS #: 877-09-8		
0.748	0.754	-0.006	37365049	0.50000	0.511		

23	Aroclor-1016				CAS #: 12674-11-2		
1.277	1.280	-0.003	1398452	0.50000	0.511	0.00- 0.00	100.00
1.475	1.477	-0.002	2898707	0.50000	0.521	0.00- 0.00	207.28
1.513	1.515	-0.002	1313474	0.50000	0.532	0.00- 0.00	93.92
1.564	1.567	-0.003	902376	0.50000	0.534	0.00- 0.00	64.53
1.686	1.686	0.000	1285813	0.50000	0.528	0.00- 0.00	91.95
	Average of Peak Amounts =				0.52520		

29	Aroclor-1260				CAS #: 11096-82-5		
2.087	2.088	-0.001	1913634	0.50000	0.517	0.00- 0.00	100.00
2.149	2.149	0.000	2290784	0.50000	0.515	0.00- 0.00	119.71
2.373	2.373	0.000	1874528	0.50000	0.515	0.00- 0.00	97.96
2.566	2.568	-0.002	3073787	0.50000	0.512	0.00- 0.00	160.63
2.727	2.729	-0.002	1087887	0.50000	0.514	0.00- 0.00	56.85
	Average of Peak Amounts =				0.51460		

Column phase:

Instrument: 500CS8.1
Operator: DMT
Column diameter: 0.00



Pace Analytical Services, Inc.

PCB by Method 8082A

Data file : \\192.168.50.6\chem\50GCS8.i\061814cal.b\016f2501.d
 Lab Smp Id: CAL6A,70984:1
 Inj Date : 18-JUN-2014 17:25
 Operator : DMT Inst ID: 50GCS8.i
 Smp Info : cal6a,70984:1
 Misc Info : 12692
 Comment : 8082A
 Method : \\192.168.50.6\chem\50GCS8.i\061814cal.b\8082f.m
 Meth Date : 19-Jun-2014 13:09 50GCS8.i Quant Type: ESTD
 Cal Date : 18-JUN-2014 17:25 Cal File: 016f2501.d
 Als bottle: 16 Calibration Sample, Level: 6
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: ical.sub
 Target Version: 4.14 Sample Matrix: None

AMOUNTS								
RT	EXP RT	DLT RT	CAL-AMT		ON-COL	TARGET RANGE		RATIO
			RESPONSE	(ug/mL)	(ug/mL)			
=====	=====	=====	=====	=====	=====	=====	=====	=====

\$ 1	Tetrachloro-m-xylene				CAS #: 877-09-8			
0.836	0.837	-0.001	34045155	1.00000	1.033			

23		Aroclor-1016				CAS #: 12674-11-2		
1.357	1.357	0.000	874084	1.00000	0.933	0.00-	0.00	100.00
1.477	1.477	0.000	2581004	1.00000	0.998	0.00-	0.00	295.28
1.507	1.507	0.000	997676	1.00000	0.969	0.00-	0.00	114.14
1.675	1.674	0.001	1121672	1.00000	0.976	0.00-	0.00	128.33
1.714	1.714	0.000	1014172	1.00000	0.995	0.00-	0.00	116.03
Average of Peak Amounts =					0.97420			

29		Aroclor-1260				CAS #: 11096-82-5		
2.087	2.087	0.000	1648160	1.00000	0.997	0.00-	0.00	100.00
2.169	2.168	0.001	2460705	1.00000	1.007	0.00-	0.00	149.30
2.363	2.362	0.001	1425510	1.00000	1.025	0.00-	0.00	86.49
2.529	2.529	0.000	1756992	1.00000	1.021	0.00-	0.00	106.60
2.712	2.711	0.001	1122838	1.00000	1.025	0.00-	0.00	68.13
Average of Peak Amounts =					1.01500			

Data File: \\192.168.50.6\chem\500CS8.1\061814ca1.b\016f2501.d
Date: 18-JUN-2014 17:25

Client ID:

Sample Info: CQL6A,70984:1

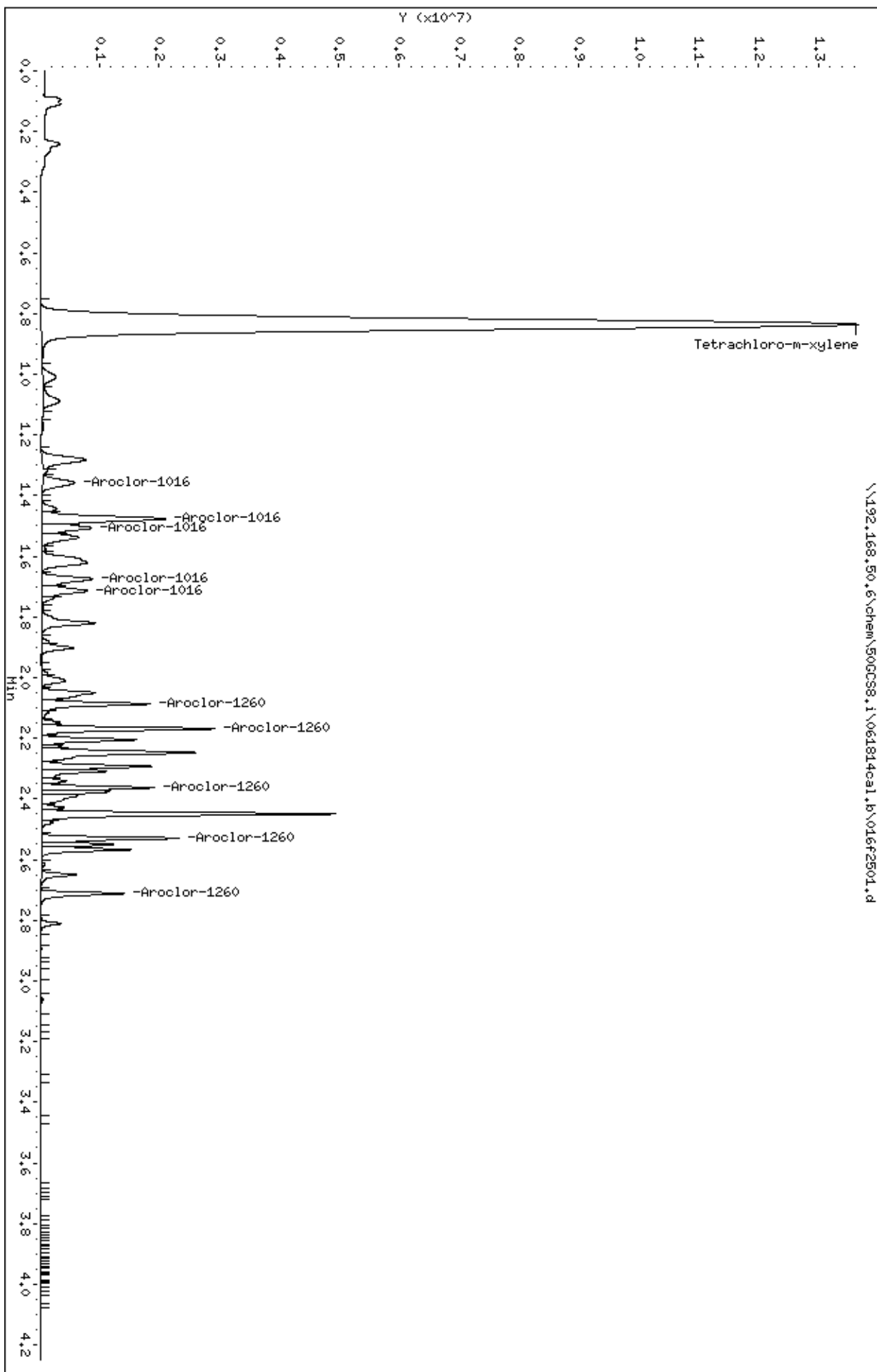
Column phase:

Instrument: 500CS8.1

Operator: DMT

Column diameter: 0.00

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Pace Analytical Services, Inc.

PCB by Method 8082A

Data file : \\192.168.50.6\chem\50GCS8.i\061814cal.b\015b2501.d
 Lab Smp Id: CAL5A,70983:1
 Inj Date : 18-JUN-2014 17:25
 Operator : DMT Inst ID: 50GCS8.i
 Smp Info : cal5a,70983:1
 Misc Info : 12692
 Comment : 8082A
 Method : \\192.168.50.6\chem\50GCS8.i\061814cal.b\8082r.m
 Meth Date : 19-Jun-2014 13:06 50GCS8.i Quant Type: ESTD
 Cal Date : 18-JUN-2014 17:25 Cal File: 015b2501.d
 Als bottle: 15 Calibration Sample, Level: 5
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: ical.sub
 Target Version: 4.14 Sample Matrix: None

AMOUNTS

RT	EXP RT	DLT RT	RESPONSE	CAL-AMT (ug/mL)	ON-COL (ug/mL)	TARGET RANGE	RATIO

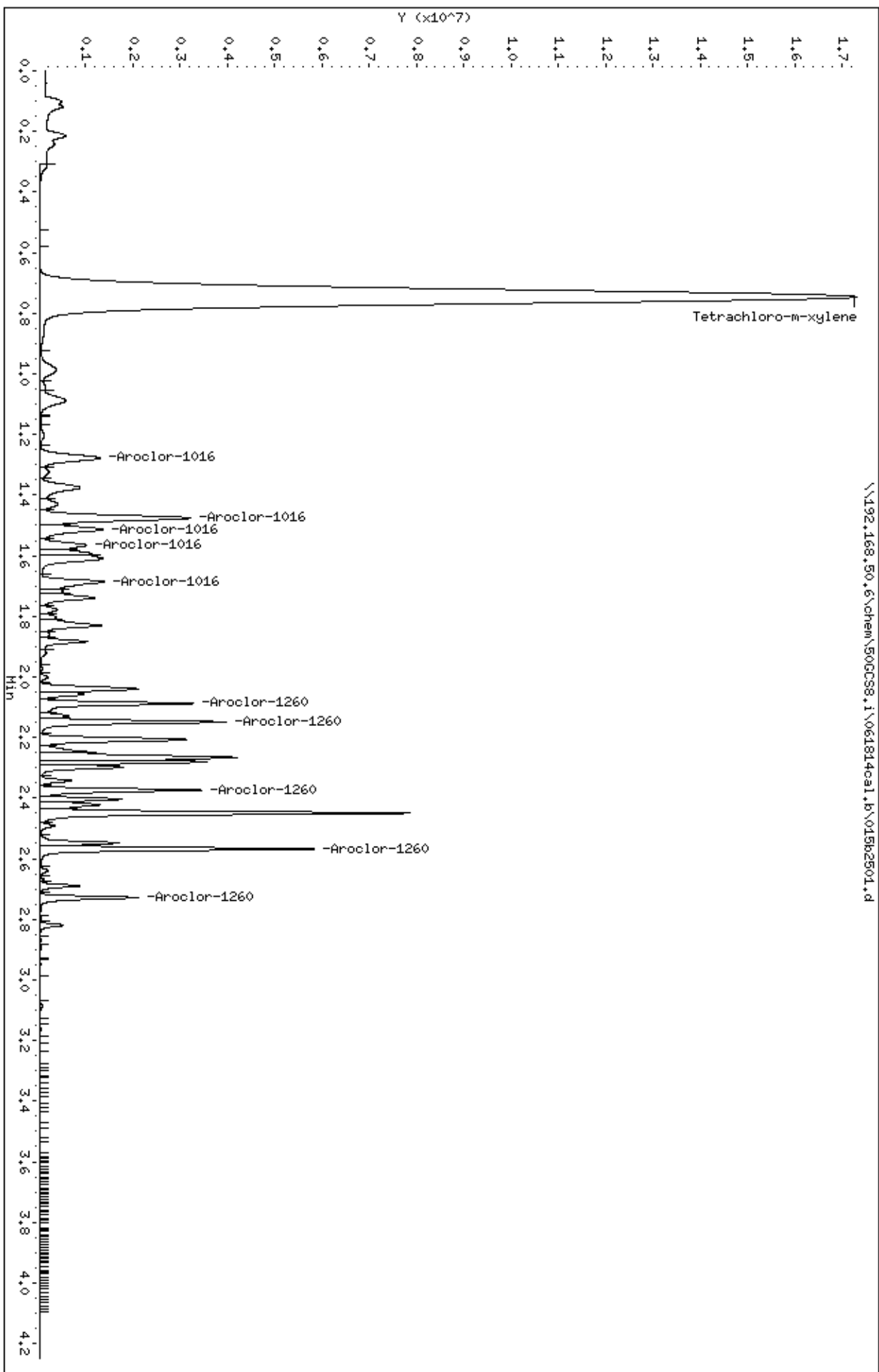
\$ 1	Tetrachloro-m-xylene				CAS #: 877-09-8		
0.747	0.754	-0.007	58296708	0.75000	0.798		

23	Aroclor-1016				CAS #: 12674-11-2		
1.277	1.280	-0.003	2095650	0.75000	0.767	0.00- 0.00	100.00
1.476	1.477	-0.001	4260667	0.75000	0.766	0.00- 0.00	203.31
1.514	1.515	-0.001	1895875	0.75000	0.769	0.00- 0.00	90.47
1.565	1.567	-0.002	1312473	0.75000	0.777	0.00- 0.00	62.63
1.686	1.686	0.000	1872292	0.75000	0.770	0.00- 0.00	89.34
	Average of Peak Amounts =				0.76980		

29	Aroclor-1260				CAS #: 11096-82-5		
2.088	2.088	0.000	2794230	0.75000	0.754	0.00- 0.00	100.00
2.149	2.149	0.000	3353389	0.75000	0.753	0.00- 0.00	120.01
2.374	2.373	0.001	2745266	0.75000	0.755	0.00- 0.00	98.25
2.568	2.568	0.000	4536522	0.75000	0.755	0.00- 0.00	162.35
2.728	2.729	-0.001	1606630	0.75000	0.759	0.00- 0.00	57.50
	Average of Peak Amounts =				0.75520		

Column phase:

Instrument: 500CS8.1
Operator: DMT
Column diameter: 0.00



Pace Analytical Services, Inc.

PCB by Method 8082A

Data file : \\192.168.50.6\chem\50GCS8.i\061814cal.b\017f2601.d
 Lab Smp Id: CAL7A,71044:1
 Inj Date : 18-JUN-2014 17:31
 Operator : DMT Inst ID: 50GCS8.i
 Smp Info : cal7a,71044:1
 Misc Info : 12692
 Comment : 8082A
 Method : \\192.168.50.6\chem\50GCS8.i\061814cal.b\8082f.m
 Meth Date : 19-Jun-2014 13:09 50GCS8.i Quant Type: ESTD
 Cal Date : 18-JUN-2014 17:31 Cal File: 017f2601.d
 Als bottle: 17 Calibration Sample, Level: 7
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: ical.sub
 Target Version: 4.14 Sample Matrix: None

AMOUNTS									
RT	EXP RT	DLT RT	RESPONSE	CAL-AMT (ug/mL)	ON-COL (ug/mL)	TARGET	RANGE	RATIO	
=====	=====	=====	=====	=====	=====	=====	=====	=====	=====

\$ 1	Tetrachloro-m-xylene				CAS #: 877-09-8				
0.858	0.837	0.021	231850516	5.00000	7.035				

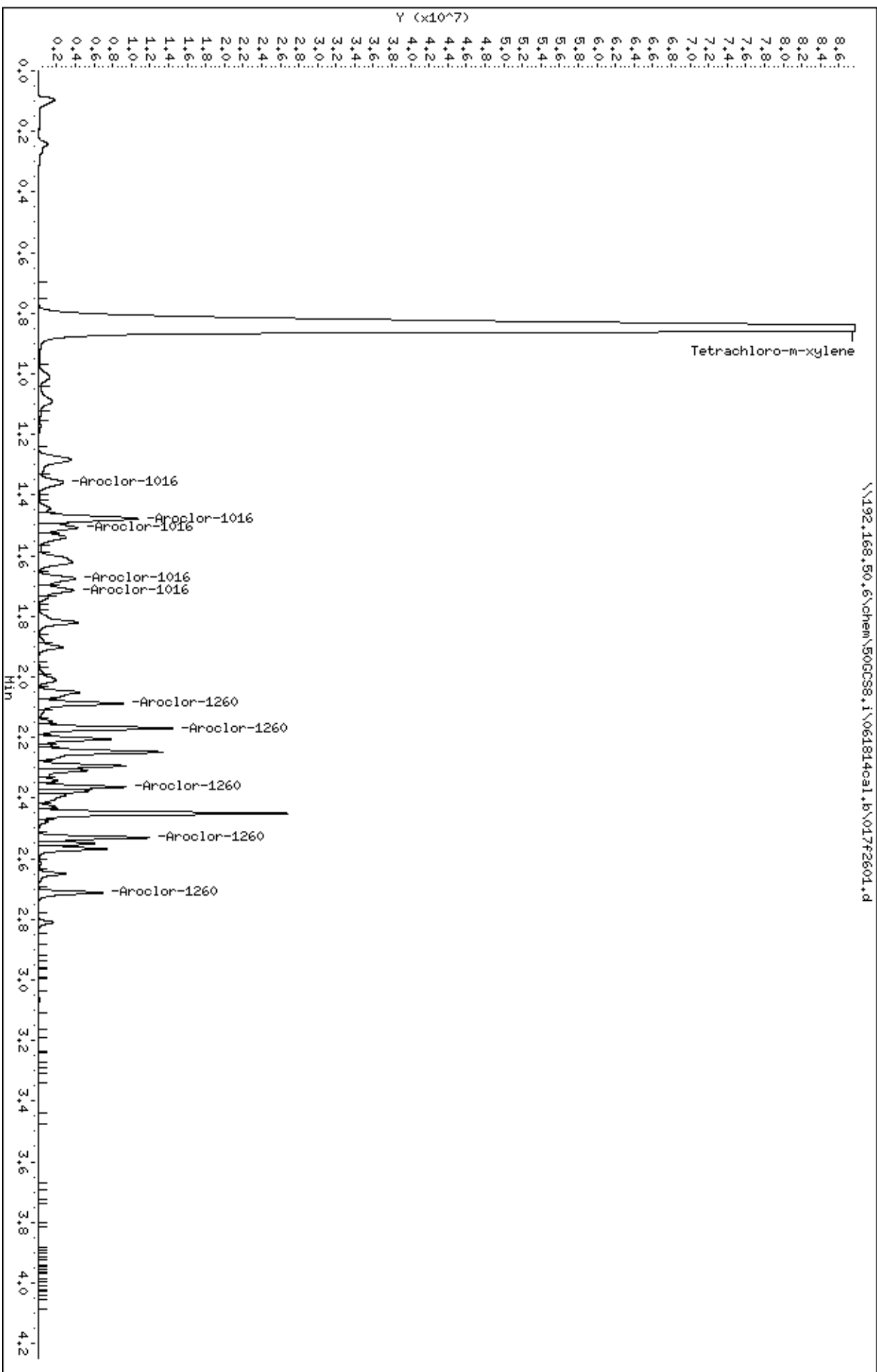
23 Aroclor-1016 CAS #: 12674-11-2									
1.358	1.357	0.001	4573374	5.00000	4.886	0.00-	0.00	100.00	
1.478	1.477	0.001	13098622	5.00000	5.067	0.00-	0.00	286.41	
1.508	1.507	0.001	4994514	5.00000	4.852	0.00-	0.00	109.21	
1.675	1.674	0.001	5600199	5.00000	4.873	0.00-	0.00	122.45	
1.714	1.714	0.000	4983043	5.00000	4.889	0.00-	0.00	108.96	
Average of Peak Amounts =					4.91340				

29 Aroclor-1260 CAS #: 11096-82-5									
2.088	2.087	0.001	8164954	5.00000	4.943	0.00-	0.00	100.00	
2.170	2.168	0.002	12211804	5.00000	4.998	0.00-	0.00	149.56	
2.363	2.362	0.001	7103253	5.00000	5.109	0.00-	0.00	87.00	
2.530	2.529	0.001	8925375	5.00000	5.188	0.00-	0.00	109.31	
2.712	2.711	0.001	5641972	5.00000	5.154	0.00-	0.00	69.10	
Average of Peak Amounts =					5.07840				

Client ID:
Sample Info: CAL7A,71044;1

Column phase:

Instrument: 500CS8.1
Operator: DMT
Column diameter: 0.00



Pace Analytical Services, Inc.

PCB by Method 8082A

Data file : \\192.168.50.6\chem\50GCS8.i\061814cal.b\016b2601.d
 Lab Smp Id: CAL6A,70984:1
 Inj Date : 18-JUN-2014 17:31
 Operator : DMT Inst ID: 50GCS8.i
 Smp Info : cal6a,70984:1
 Misc Info : 12692
 Comment : 8082A
 Method : \\192.168.50.6\chem\50GCS8.i\061814cal.b\8082r.m
 Meth Date : 19-Jun-2014 13:06 50GCS8.i Quant Type: ESTD
 Cal Date : 18-JUN-2014 17:31 Cal File: 016b2601.d
 Als bottle: 16 Calibration Sample, Level: 6
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: ical.sub
 Target Version: 4.14 Sample Matrix: None

AMOUNTS								
RT	EXP RT	DLT RT	RESPONSE	CAL-AMT (ug/mL)	ON-COL (ug/mL)	TARGET RANGE	RATIO	
====	=====	=====	=====	=====	=====	=====	=====	

\$ 1	Tetrachloro-m-xylene			CAS #: 877-09-8				
0.749	0.754	-0.005	78480899	1.00000	1.074			

23		Aroclor-1016		CAS #: 12674-11-2				
1.278	1.280	-0.002	2712293	1.00000	0.992	0.00-	0.00	100.00
1.476	1.477	-0.001	5597069	1.00000	1.006	0.00-	0.00	206.36
1.513	1.515	-0.002	2466338	1.00000	1.000	0.00-	0.00	90.93
1.565	1.567	-0.002	1733515	1.00000	1.027	0.00-	0.00	63.91
1.686	1.686	0.000	2428668	1.00000	0.998	0.00-	0.00	89.54
Average of Peak Amounts =				1.00460				

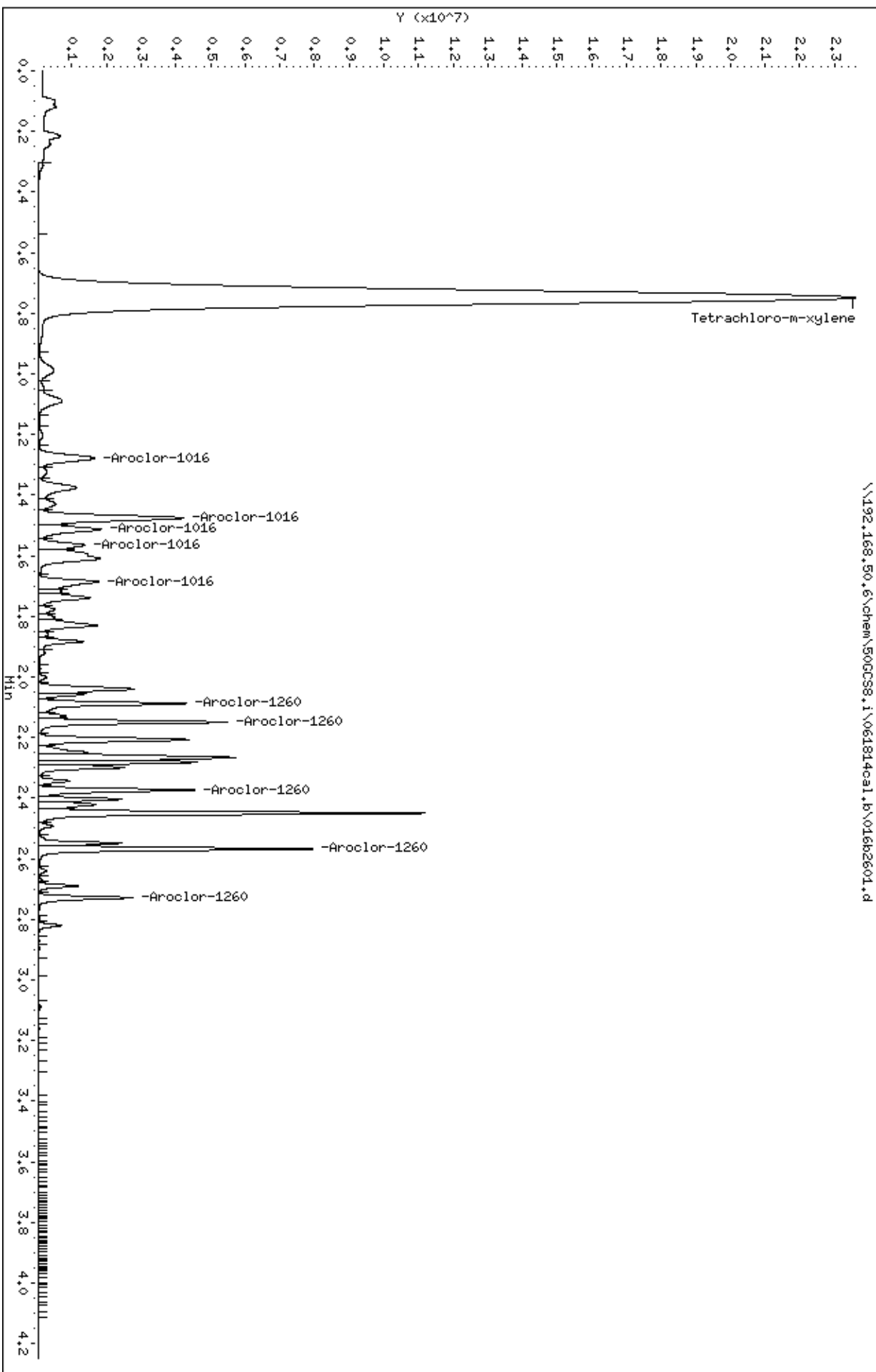
29		Aroclor-1260		CAS #: 11096-82-5				
2.088	2.088	0.000	3793043	1.00000	1.024	0.00-	0.00	100.00
2.149	2.149	0.000	4549372	1.00000	1.022	0.00-	0.00	119.94
2.373	2.373	0.000	3726888	1.00000	1.025	0.00-	0.00	98.26
2.568	2.568	0.000	6245904	1.00000	1.040	0.00-	0.00	164.67
2.729	2.729	0.000	2197199	1.00000	1.038	0.00-	0.00	57.93
Average of Peak Amounts =				1.02980				

Client ID:
Sample Info: CQL6A,70984:1

Instrument: 500CS8.1

Column phase:

Operator: DMT
Column diameter: 0.00



Pace Analytical Services, Inc.

PCB by Method 8082A

Data file : \\192.168.50.6\chem\50GCS8.i\061814cal.b\017b2701.d
 Lab Smp Id: CAL7A,71044:1
 Inj Date : 18-JUN-2014 17:36
 Operator : DMT Inst ID: 50GCS8.i
 Smp Info : cal7a,71044:1
 Misc Info : 12692
 Comment : 8082A
 Method : \\192.168.50.6\chem\50GCS8.i\061814cal.b\8082r.m
 Meth Date : 19-Jun-2014 13:06 50GCS8.i Quant Type: ESTD
 Cal Date : 18-JUN-2014 17:36 Cal File: 017b2701.d
 Als bottle: 17 Calibration Sample, Level: 7
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: ical.sub
 Target Version: 4.14 Sample Matrix: None

AMOUNTS

RT	EXP RT	DLT RT	RESPONSE	CAL-AMT (ug/mL)	ON-COL (ug/mL)	TARGET RANGE	RATIO
23 Aroclor-1016 CAS #: 12674-11-2							
1.278	1.280	-0.002	12638071	5.00000	4.626	0.00- 0.00	100.00
1.476	1.477	-0.001	29175803	5.00000	5.247	0.00- 0.00	230.86
1.513	1.515	-0.002	11395561	5.00000	4.624	0.00- 0.00	90.17
1.565	1.567	-0.002	7963386	5.00000	4.720	0.00- 0.00	63.01
1.686	1.686	0.000	11727218	5.00000	4.823	0.00- 0.00	92.79
Average of Peak Amounts =					4.80800		

29 Aroclor-1260 CAS #: 11096-82-5							
2.089	2.088	0.001	18937863	5.00000	5.116	0.00- 0.00	100.00
2.151	2.149	0.002	22725034	5.00000	5.109	0.00- 0.00	120.00
2.374	2.373	0.001	18883857	5.00000	5.193	0.00- 0.00	99.71
2.569	2.568	0.001	33573035	5.00000	5.593	0.00- 0.00	177.28
2.730	2.729	0.001	11146231	5.00000	5.269	0.00- 0.00	58.86
Average of Peak Amounts =					5.25600		

Data File: \\192.168.50.6\chem\500CS8.1\061814ca1.b\017b2701.d
Date: 18-JUN-2014 17:36

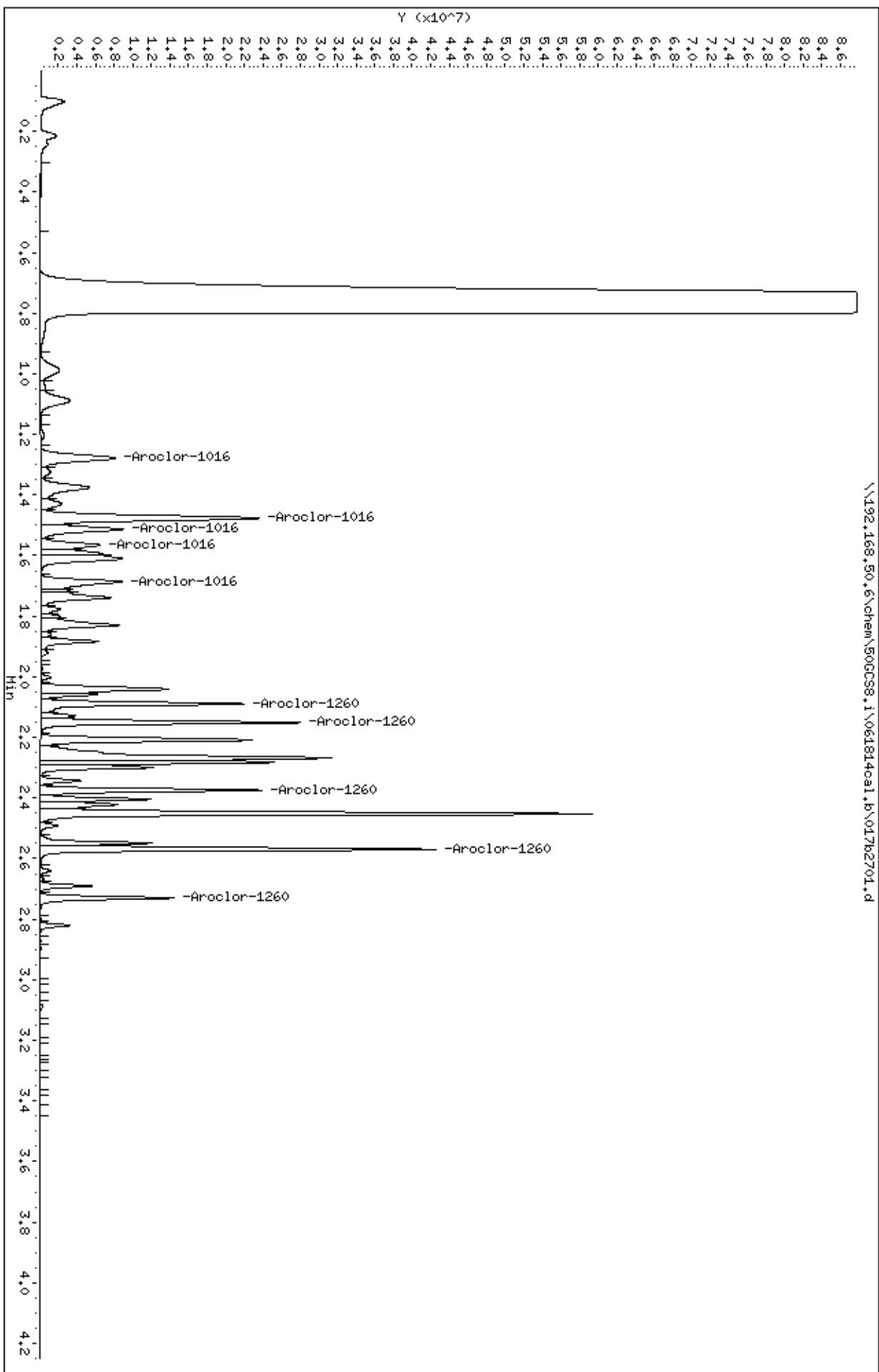
Page 2

Client ID:
Sample Info: CAL7A,71044;1

Instrument: 500CS8.1

Column phase:

Operator: DMT
Column diameter: 0.00



Pace Analytical Services, Inc.

PCB by Method 8082A

Data file : \\192.168.50.6\chem\50GCS8.i\061814cal.b\018f2701.d
 Lab Smp Id: ICV,70985:1
 Inj Date : 18-JUN-2014 17:36
 Operator : DMT Inst ID: 50GCS8.i
 Smp Info : icv,70985:1
 Misc Info : 12692
 Comment : 8082A
 Method : \\192.168.50.6\chem\50GCS8.i\061814cal.b\8082f.m
 Meth Date : 19-Jun-2014 13:09 50GCS8.i Quant Type: ESTD
 Cal Date : 18-JUN-2014 17:31 Cal File: 017f2601.d
 Als bottle: 18 Continuing Calibration Sample
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: ical.sub
 Target Version: 4.14 Sample Matrix: None

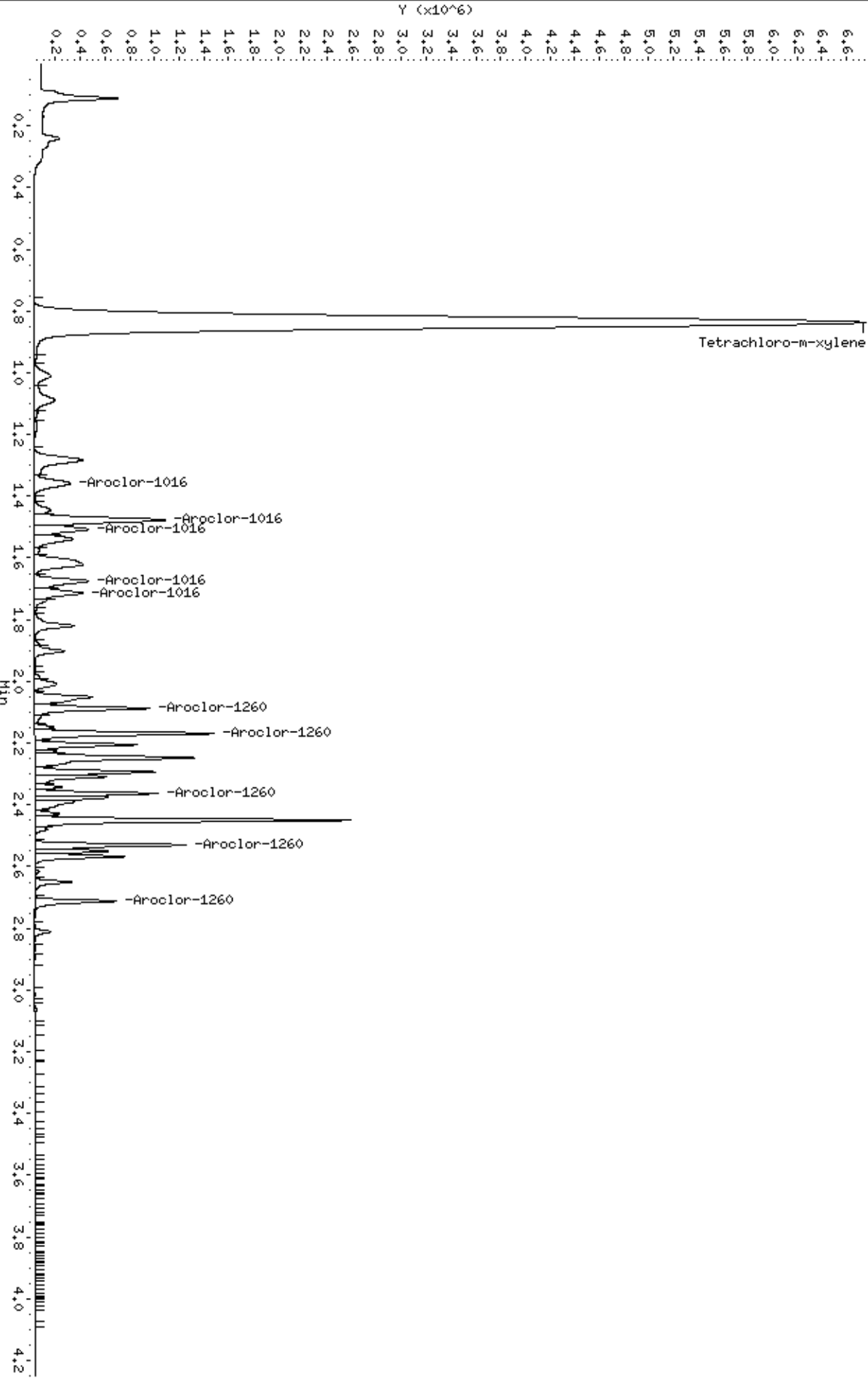
AMOUNTS								
RT	EXP RT	DLT RT	RESPONSE	CAL-AMT (ug/mL)	ON-COL (ug/mL)	TARGET RANGE	RATIO	
====	=====	=====	=====	=====	=====	=====	=====	

\$ 1	Tetrachloro-m-xylene				CAS #: 877-09-8			
0.837	0.837	0.000	17138840	0.50000	0.520			

23 Aroclor-1016				CAS #: 12674-11-2				
1.357	1.357	0.000	492737	0.50000	0.526	0.00-	0.00	100.00
1.477	1.477	0.000	1326474	0.50000	0.513	0.00-	0.00	269.21
1.507	1.507	0.000	531985	0.50000	0.516	0.00-	0.00	107.97
1.674	1.674	0.000	585606	0.50000	0.509	0.00-	0.00	118.85
1.714	1.714	0.000	507425	0.50000	0.497	0.00-	0.00	102.98
Average of Peak Amounts =					0.51220			

29 Aroclor-1260				CAS #: 11096-82-5				
2.087	2.087	0.000	840018	0.50000	0.508	0.00-	0.00	100.00
2.168	2.168	0.000	1251321	0.50000	0.512	0.00-	0.00	148.96
2.362	2.362	0.000	748938	0.50000	0.538	0.00-	0.00	89.16
2.529	2.529	0.000	933280	0.50000	0.542	0.00-	0.00	111.10
2.711	2.711	0.000	550200	0.50000	0.502	0.00-	0.00	65.50
Average of Peak Amounts =					0.52040			

\\192.168.50.6\chem\500CS8.1\061814ca1.b\018f2701.d



Pace Analytical Services, Inc.

PCB by Method 8082A

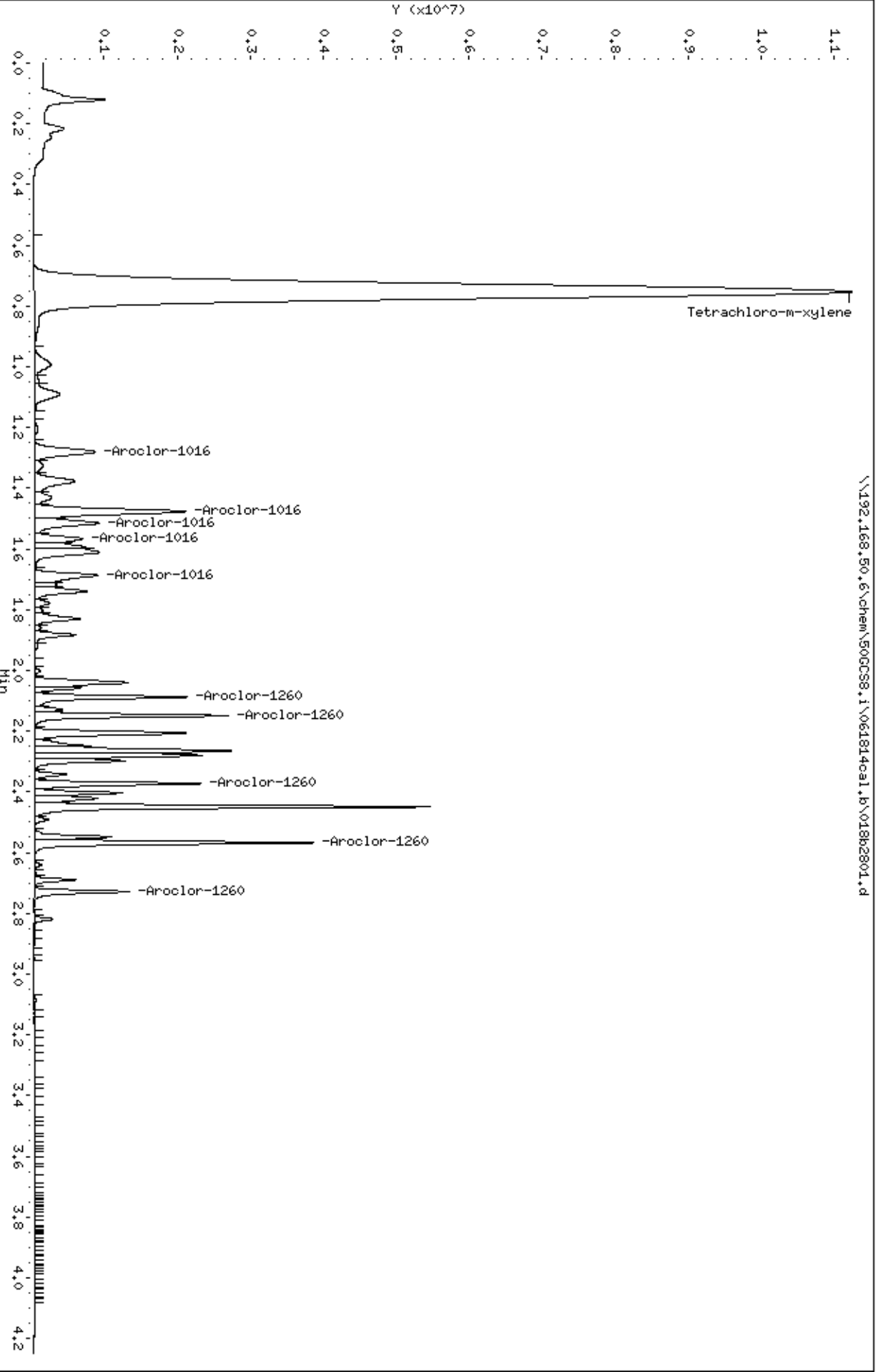
Data file : \\192.168.50.6\chem\50GCS8.i\061814cal.b\018b2801.d
 Lab Smp Id: ICV,70985:1
 Inj Date : 18-JUN-2014 17:42
 Operator : DMT Inst ID: 50GCS8.i
 Smp Info : icv,70985:1
 Misc Info : 12692
 Comment : 8082A
 Method : \\192.168.50.6\chem\50GCS8.i\061814cal.b\8082r.m
 Meth Date : 19-Jun-2014 13:06 50GCS8.i Quant Type: ESTD
 Cal Date : 18-JUN-2014 17:36 Cal File: 017b2701.d
 Als bottle: 18 Continuing Calibration Sample
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: ical.sub
 Target Version: 4.14 Sample Matrix: None

AMOUNTS								
RT	EXP RT	DLT RT	RESPONSE	CAL-AMT (ug/mL)	ON-COL (ug/mL)	TARGET RANGE	RATIO	
====	=====	=====	=====	=====	=====	=====	=====	

\$ 1	Tetrachloro-m-xylene				CAS #: 877-09-8			
0.754	0.754	0.000	38002342	0.50000	0.520			

23		Aroclor-1016				CAS #: 12674-11-2		
1.280	1.280	0.000	1356755	0.50000	0.496	0.00-	0.00	100.00
1.477	1.477	0.000	2766815	0.50000	0.497	0.00-	0.00	203.93
1.515	1.515	0.000	1233515	0.50000	0.500	0.00-	0.00	90.92
1.567	1.567	0.000	833050	0.50000	0.493	0.00-	0.00	61.40
1.686	1.686	0.000	1212128	0.50000	0.498	0.00-	0.00	89.34
Average of Peak Amounts =					0.49680			

29		Aroclor-1260				CAS #: 11096-82-5		
2.088	2.088	0.000	1811906	0.50000	0.489	0.00-	0.00	100.00
2.149	2.149	0.000	2204842	0.50000	0.495	0.00-	0.00	121.69
2.373	2.373	0.000	1841096	0.50000	0.506	0.00-	0.00	101.61
2.568	2.568	0.000	3063013	0.50000	0.510	0.00-	0.00	169.05
2.729	2.729	0.000	1029212	0.50000	0.486	0.00-	0.00	56.80
Average of Peak Amounts =					0.49720			



Pace Analytical Services, Inc.

PCB by Method 8082A

Data file : \\192.168.50.6\chem\50GCS8.i\062414.b\011f1401.d
 Lab Smp Id: CCV,71159:1
 Inj Date : 24-JUN-2014 18:55
 Operator : DMT
 Smp Info : ccv,71159:1
 Misc Info : 12692
 Comment : 8082A
 Method : \\192.168.50.6\chem\50GCS8.i\062414.b\8082f.m
 Meth Date : 25-Jun-2014 13:25 50GCS8.i
 Cal Date : 18-JUN-2014 17:31
 Als bottle: 11
 Dil Factor: 1.00000
 Integrator: Falcon
 Target Version: 4.14

Inst ID: 50GCS8.i
 Quant Type: ESTD
 Cal File: 017f2601.d
 Continuing Calibration Sample
 Compound Sublist: ical.sub
 Sample Matrix: None

AMOUNTS								
RT	EXP RT	DLT RT	RESPONSE	CAL-AMT (ug/mL)	ON-COL (ug/mL)	TARGET RANGE	RATIO	
====	=====	=====	=====	=====	=====	=====	=====	

\$ 1	Tetrachloro-m-xylene				CAS #: 877-09-8			
0.830	0.830	0.000	16166191	0.50000	0.490			

23		Aroclor-1016				CAS #: 12674-11-2		
1.354	1.353	0.001	443285	0.50000	0.473	0.00-	0.00	100.00 (M)
1.474	1.474	0.000	1217755	0.50000	0.471	0.00-	0.00	274.71
1.504	1.503	0.001	510819	0.50000	0.496	0.00-	0.00	115.23
1.672	1.671	0.001	547993	0.50000	0.476	0.00-	0.00	123.62
1.712	1.710	0.002	487770	0.50000	0.478	0.00-	0.00	110.04
Average of Peak Amounts =				0.47880				

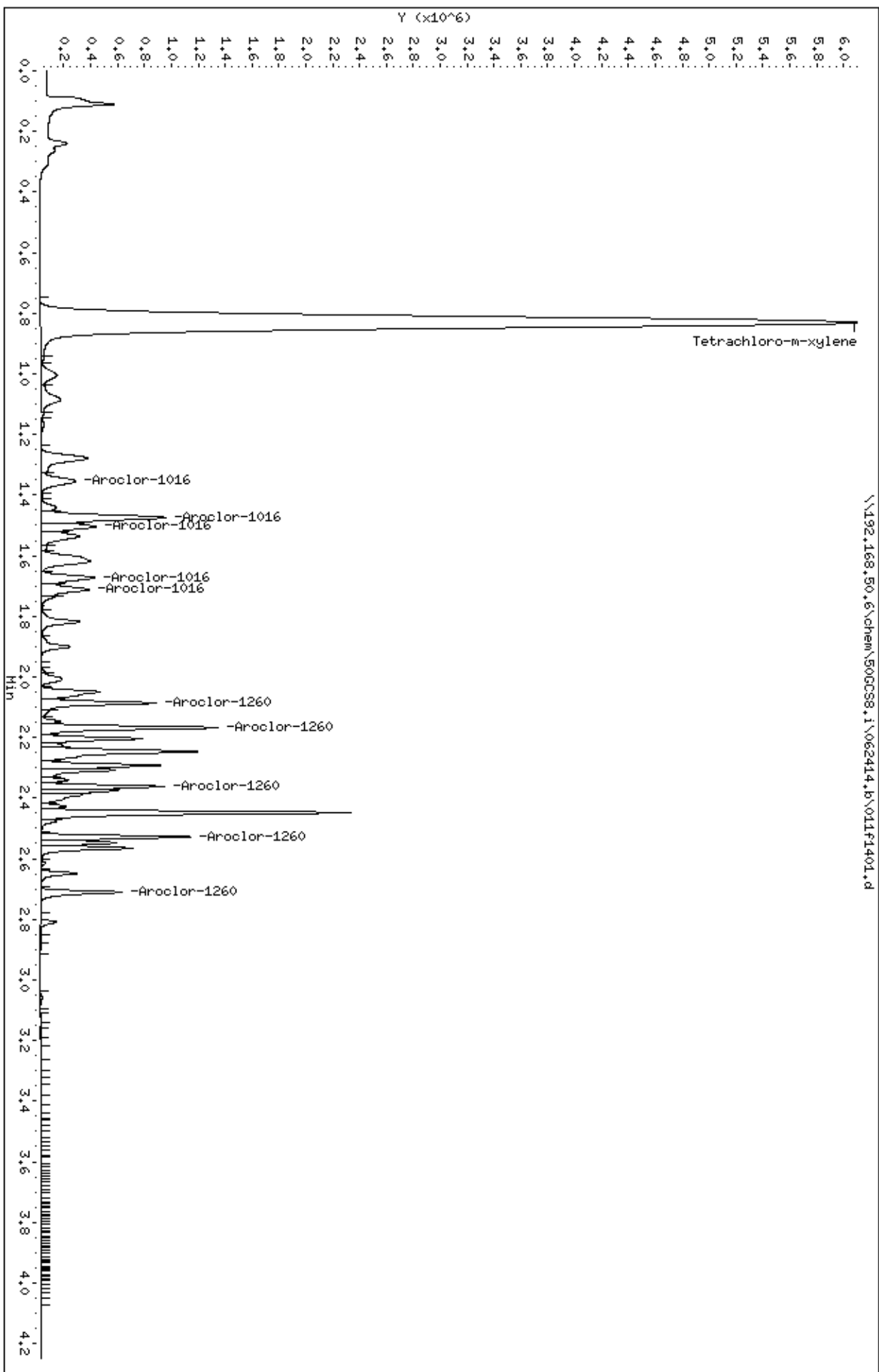
29		Aroclor-1260				CAS #: 11096-82-5		
2.086	2.086	0.000	808803	0.50000	0.489	0.00-	0.00	100.00
2.167	2.168	-0.001	1196565	0.50000	0.489	0.00-	0.00	147.94
2.361	2.362	-0.001	709535	0.50000	0.510	0.00-	0.00	87.73
2.528	2.529	-0.001	876075	0.50000	0.509	0.00-	0.00	108.32
2.710	2.711	-0.001	531387	0.50000	0.485	0.00-	0.00	65.70
Average of Peak Amounts =				0.49640				

QC Flag Legend

M - Compound response manually integrated.

Column phase:

Instrument: 50CCS8.1
Operator: DMT
Column diameter: 0.00



Pace Analytical Services, Inc.

PCB by Method 8082A

Data file : \\192.168.50.6\chem\50GCS8.i\062414.b\011f3201.d
 Lab Smp Id: CCV,71159:1
 Inj Date : 24-JUN-2014 20:39
 Operator : DMT
 Smp Info : ccv,71159:1
 Misc Info : 12692
 Comment : 8082A
 Method : \\192.168.50.6\chem\50GCS8.i\062414.b\8082f.m
 Meth Date : 25-Jun-2014 13:25 50GCS8.i
 Cal Date : 18-JUN-2014 17:31
 Als bottle: 11
 Dil Factor: 1.00000
 Integrator: Falcon
 Target Version: 4.14

Inst ID: 50GCS8.i
 Quant Type: ESTD
 Cal File: 017f2601.d
 Continuing Calibration Sample
 Compound Sublist: ical.sub
 Sample Matrix: None

AMOUNTS								
RT	EXP RT	DLT RT	RESPONSE	CAL-AMT (ug/mL)	ON-COL (ug/mL)	TARGET RANGE	RATIO	
=====	=====	=====	=====	=====	=====	=====	=====	

\$ 1	Tetrachloro-m-xylene				CAS #: 877-09-8			
0.828	0.830	-0.002	16327437	0.50000	0.495			(M)

23		Aroclor-1016				CAS #: 12674-11-2		
1.351	1.353	-0.002	484093	0.50000	0.517	0.00-	0.00	100.00 (M)
1.472	1.474	-0.002	1244668	0.50000	0.481	0.00-	0.00	257.11
1.502	1.503	-0.001	526732	0.50000	0.511	0.00-	0.00	108.81
1.671	1.671	0.000	565741	0.50000	0.492	0.00-	0.00	116.87
1.710	1.710	0.000	512153	0.50000	0.502	0.00-	0.00	105.80
Average of Peak Amounts =				0.50060				

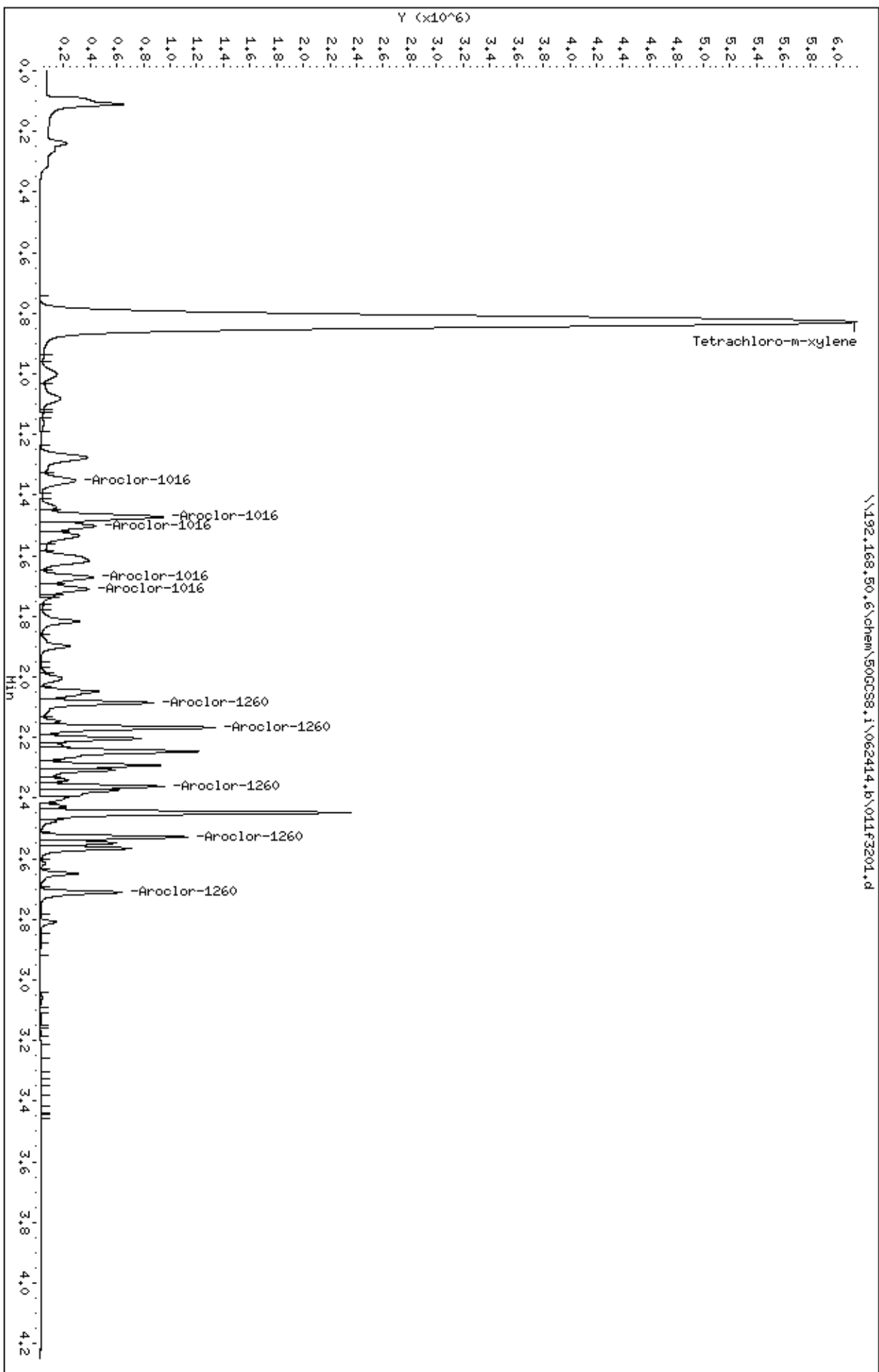
29		Aroclor-1260				CAS #: 11096-82-5		
2.086	2.086	0.000	890391	0.50000	0.539	0.00-	0.00	100.00 (M)
2.167	2.168	-0.001	1216443	0.50000	0.497	0.00-	0.00	136.62
2.361	2.362	-0.001	729351	0.50000	0.524	0.00-	0.00	81.91
2.529	2.529	0.000	897502	0.50000	0.521	0.00-	0.00	100.80
2.711	2.711	0.000	554505	0.50000	0.506	0.00-	0.00	62.28
Average of Peak Amounts =				0.51740				

QC Flag Legend

M - Compound response manually integrated.

Column phase:

Instrument: 500CS8.1
Operator: DMT
Column diameter: 0.00



Pace Analytical Services, Inc.

PCB by Method 8082A

Data file : \\192.168.50.6\chem\50GCS8.i\062414.b\011b3301.d
 Lab Smp Id: CCV,71159:1
 Inj Date : 24-JUN-2014 20:45
 Operator : DMT
 Smp Info : ccv,71159:1
 Misc Info : 12692
 Comment : 8082A
 Method : \\192.168.50.6\chem\50GCS8.i\062414.b\8082r.m
 Meth Date : 25-Jun-2014 13:11 50GCS8.i
 Cal Date : 18-JUN-2014 17:36
 Als bottle: 11
 Dil Factor: 1.00000
 Integrator: Falcon
 Target Version: 4.14

Inst ID: 50GCS8.i
 Quant Type: ESTD
 Cal File: 017b2701.d
 Continuing Calibration Sample
 Compound Sublist: ical.sub
 Sample Matrix: None

AMOUNTS								
RT	EXP RT	DLT RT	RESPONSE	CAL-AMT (ug/mL)	ON-COL (ug/mL)	TARGET RANGE	RATIO	
=====	=====	=====	=====	=====	=====	=====	=====	

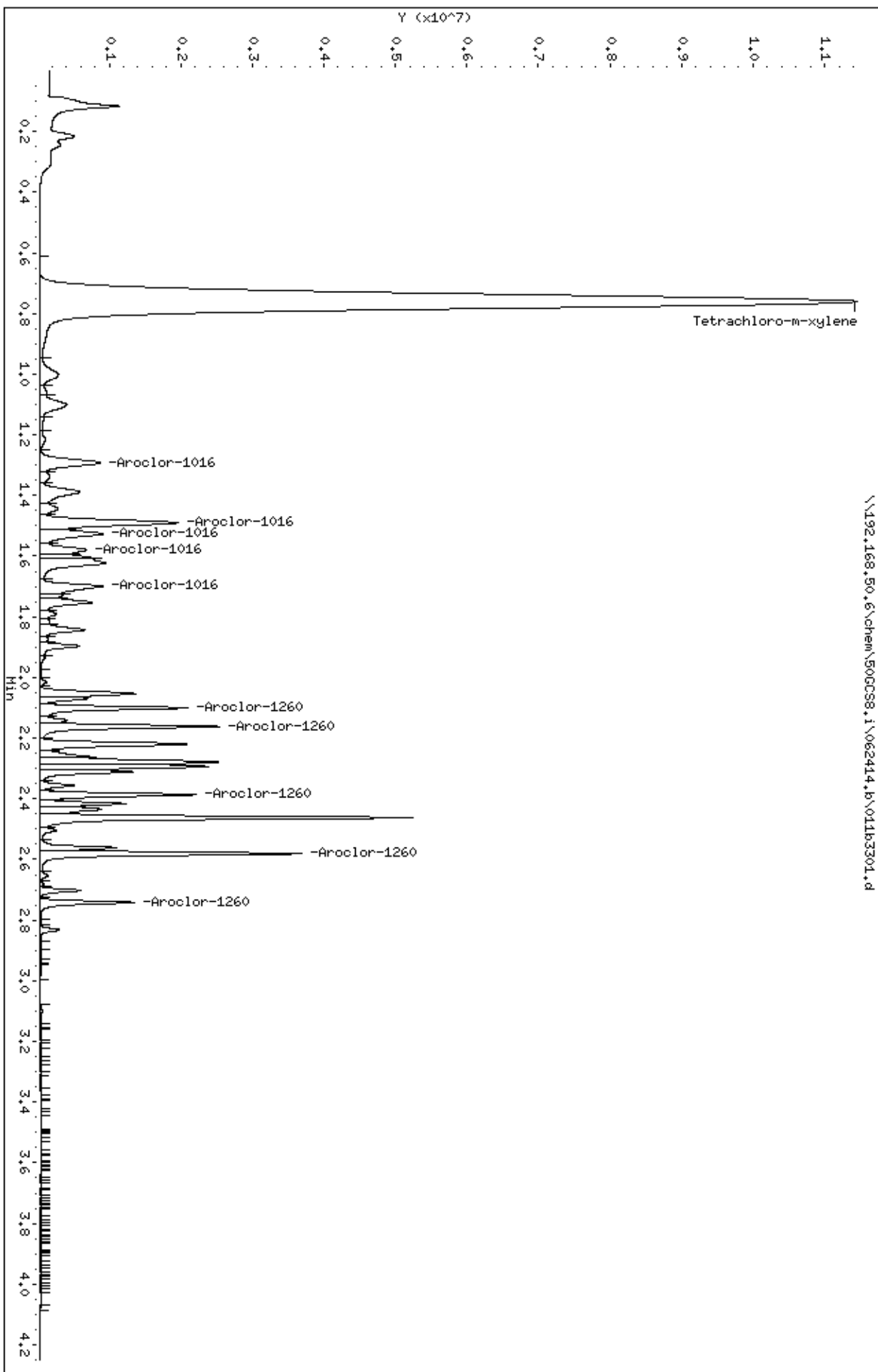
\$ 1	Tetrachloro-m-xylene				CAS #: 877-09-8			
0.760	0.763	-0.003	38510597	0.50000	0.527			

23		Aroclor-1016				CAS #: 12674-11-2		
1.292	1.291	0.001	1429581	0.50000	0.523	0.00-	0.00	100.00
1.490	1.489	0.001	2703374	0.50000	0.486	0.00-	0.00	189.10
1.527	1.526	0.001	1333721	0.50000	0.541	0.00-	0.00	93.29
1.579	1.577	0.002	898899	0.50000	0.532	0.00-	0.00	62.88
1.699	1.698	0.001	1282804	0.50000	0.527	0.00-	0.00	89.73
Average of Peak Amounts =					0.52180			

29		Aroclor-1260				CAS #: 11096-82-5		
2.100	2.099	0.001	1857431	0.50000	0.501	0.00-	0.00	100.00
2.161	2.161	0.000	2258194	0.50000	0.507	0.00-	0.00	121.58
2.386	2.385	0.001	1874338	0.50000	0.515	0.00-	0.00	100.91
2.580	2.578	0.002	3143079	0.50000	0.523	0.00-	0.00	169.22
2.741	2.739	0.002	1095025	0.50000	0.517	0.00-	0.00	58.95
Average of Peak Amounts =					0.51260			

Column phase:

Instrument: 500CS8.1
Operator: DMT
Column diameter: 0.00



Pace Analytical Services, Inc.

PCB by Method 8082A

Data file : \\192.168.50.6\chem\50GCS8.i\062614.b\011b4201.d
 Lab Smp Id: CCV,71159:1
 Inj Date : 26-JUN-2014 22:30
 Operator : DMT
 Smp Info : ccv,71159:1
 Misc Info : 12692
 Comment : 8082A
 Method : \\192.168.50.6\chem\50GCS8.i\062614.b\8082r.m
 Meth Date : 27-Jun-2014 11:26 50GCS8.i
 Cal Date : 18-JUN-2014 17:36
 Als bottle: 11
 Dil Factor: 1.00000
 Integrator: Falcon
 Target Version: 4.14

Inst ID: 50GCS8.i
 Quant Type: ESTD
 Cal File: 017b2701.d
 Continuing Calibration Sample
 Compound Sublist: ical.sub
 Sample Matrix: None

AMOUNTS									
RT	EXP RT	DLT RT	RESPONSE	CAL-AMT (ug/mL)	ON-COL (ug/mL)	TARGET RANGE	RATIO		
=====	=====	=====	=====	=====	=====	=====	=====		

\$ 1	Tetrachloro-m-xylene				CAS #: 877-09-8				
0.764	0.768	-0.004	38722435	0.50000	0.530				

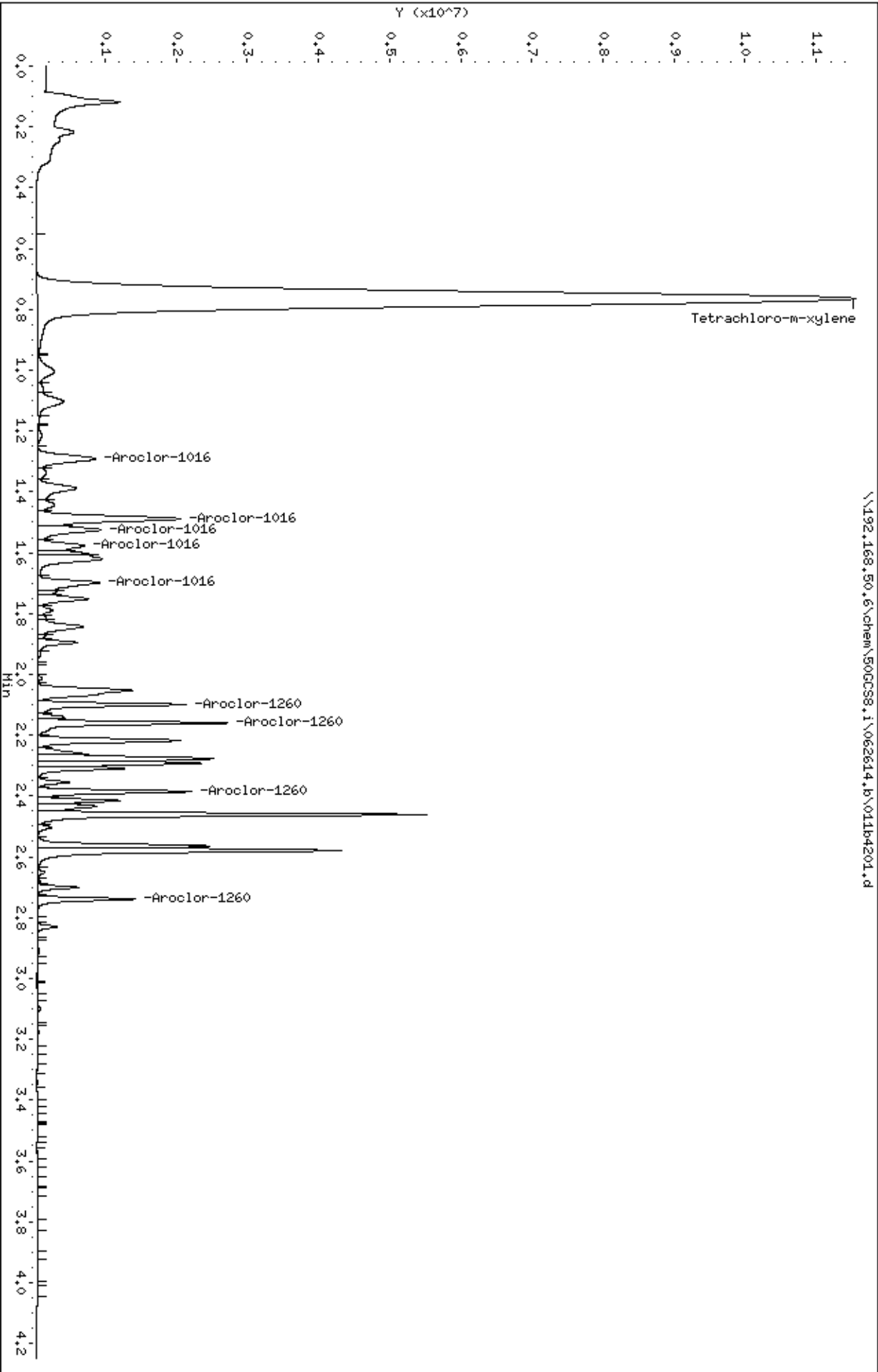
23 Aroclor-1016									
CAS #: 12674-11-2									
1.291	1.292	-0.001	1360000	0.50000	0.497	0.00-	0.00	100.00	
1.489	1.489	0.000	2755346	0.50000	0.495	0.00-	0.00	202.60	
1.525	1.526	-0.001	1274803	0.50000	0.517	0.00-	0.00	93.74	
1.577	1.579	-0.002	862683	0.50000	0.511	0.00-	0.00	63.43	
1.698	1.699	-0.001	1216291	0.50000	0.500	0.00-	0.00	89.43	
Average of Peak Amounts =					0.50400				

29 Aroclor-1260									
CAS #: 11096-82-5									
2.099	2.099	0.000	1773982	0.50000	0.479	0.00-	0.00	100.00	
2.160	2.160	0.000	2299224	0.50000	0.516	0.00-	0.00	129.61	
2.385	2.384	0.001	1837509	0.50000	0.505	0.00-	0.00	103.58	
2.579	2.578	0.001	0	0.000	0.000	0.00-	0.00	0.00	
2.739	2.739	0.000	1098347	0.50000	0.519	0.00-	0.00	61.91	
Average of Peak Amounts =					0.50475				

Client ID:
Sample Info: CCV,71159:1

Column phase:

Instrument: 500CS8.1
Operator: DMT
Column diameter: 0.00



Pace Analytical Services, Inc.

PCB by Method 8082A

Data file : \\192.168.50.6\chem\50GCS8.i\062614.b\011b6701.d
 Lab Smp Id: CCV,71159:1
 Inj Date : 27-JUN-2014 00:55
 Operator : DMT
 Smp Info : ccv,71159:1
 Misc Info : 12692
 Comment : 8082A
 Method : \\192.168.50.6\chem\50GCS8.i\062614.b\8082r.m
 Meth Date : 27-Jun-2014 11:26 50GCS8.i
 Cal Date : 18-JUN-2014 17:36
 Als bottle: 11
 Dil Factor: 1.00000
 Integrator: Falcon
 Target Version: 4.14

Inst ID: 50GCS8.i
 Quant Type: ESTD
 Cal File: 017b2701.d
 Continuing Calibration Sample
 Compound Sublist: ical.sub
 Sample Matrix: None

AMOUNTS									
RT	EXP RT	DLT RT	RESPONSE	CAL-AMT (ug/mL)	ON-COL (ug/mL)	TARGET RANGE	RATIO		
=====	=====	=====	=====	=====	=====	=====	=====		

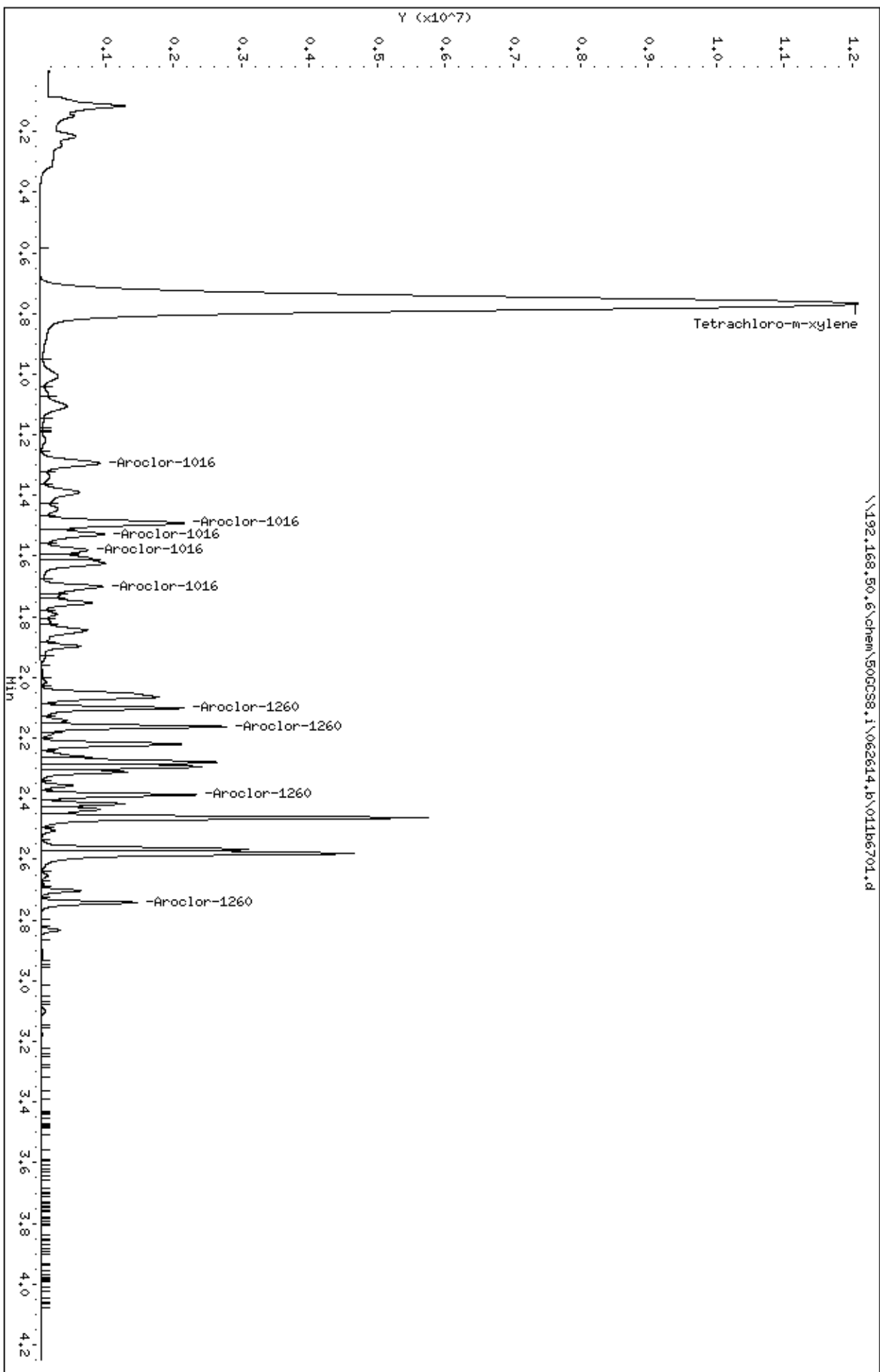
\$ 1	Tetrachloro-m-xylene				CAS #: 877-09-8				
0.767	0.768	-0.001	39806543	0.50000	0.545				

23 Aroclor-1016									
CAS #: 12674-11-2									
1.293	1.292	0.001	1483206	0.50000	0.542	0.00-	0.00	100.00	
1.491	1.489	0.002	2899242	0.50000	0.521	0.00-	0.00	195.47	
1.527	1.526	0.001	1363517	0.50000	0.553	0.00-	0.00	91.93	
1.579	1.579	0.000	938437	0.50000	0.556	0.00-	0.00	63.27	
1.700	1.699	0.001	1293938	0.50000	0.532	0.00-	0.00	87.24	
Average of Peak Amounts =					0.54080				

29 Aroclor-1260									
CAS #: 11096-82-5									
2.101	2.099	0.002	1839437	0.50000	0.496	0.00-	0.00	100.00	
2.162	2.160	0.002	2258005	0.50000	0.507	0.00-	0.00	122.76	
2.386	2.384	0.002	1897639	0.50000	0.521	0.00-	0.00	103.16	
2.580	2.578	0.002	0	0.000	0.000	0.00-	0.00	0.00	
2.741	2.739	0.002	1144881	0.50000	0.541	0.00-	0.00	62.24	
Average of Peak Amounts =					0.51625				

Column phase:

Instrument: 500CS8.1
Operator: DMT
Column diameter: 0.00



Pace Analytical Services, Inc.

PCB by Method 8082A

Data file : \\192.168.50.6\chem\50GCS8.i\062614.b\011b9101.d
 Lab Smp Id: CCV,71159:1
 Inj Date : 27-JUN-2014 03:14
 Operator : DMT
 Smp Info : ccv,71159:1
 Misc Info : 12692
 Comment : 8082A
 Method : \\192.168.50.6\chem\50GCS8.i\062614.b\8082r.m
 Meth Date : 27-Jun-2014 11:26 50GCS8.i
 Cal Date : 18-JUN-2014 17:36
 Als bottle: 11
 Dil Factor: 1.00000
 Integrator: Falcon
 Target Version: 4.14

Inst ID: 50GCS8.i
 Quant Type: ESTD
 Cal File: 017b2701.d
 Continuing Calibration Sample
 Compound Sublist: ical.sub
 Sample Matrix: None

AMOUNTS									
RT	EXP RT	DLT RT	RESPONSE	CAL-AMT (ug/mL)	ON-COL (ug/mL)	TARGET RANGE	RATIO		
=====	=====	=====	=====	=====	=====	=====	=====		

\$ 1	Tetrachloro-m-xylene				CAS #: 877-09-8				
0.763	0.768	-0.005	38815932	0.50000	0.531				

23 Aroclor-1016									
CAS #: 12674-11-2									
1.293	1.292	0.001	1272442	0.50000	0.465	0.00-	0.00	100.00	
1.490	1.489	0.001	2635738	0.50000	0.474	0.00-	0.00	207.14	
1.526	1.526	0.000	1149114	0.50000	0.466	0.00-	0.00	90.31	
1.579	1.579	0.000	770763	0.50000	0.456	0.00-	0.00	60.57	
1.700	1.699	0.001	1102996	0.50000	0.453	0.00-	0.00	86.68	
Average of Peak Amounts =					0.46280				

29 Aroclor-1260									
CAS #: 11096-82-5									
2.100	2.099	0.001	1713071	0.50000	0.462	0.00-	0.00	100.00	
2.161	2.160	0.001	2246863	0.50000	0.505	0.00-	0.00	131.16	
2.386	2.384	0.002	1823774	0.50000	0.501	0.00-	0.00	106.46	
2.580	2.578	0.002	0	0.000	0.000	0.00-	0.00	0.00	
2.741	2.739	0.002	1099994	0.50000	0.520	0.00-	0.00	64.21	
Average of Peak Amounts =					0.49700				

Date : 27-JUN-2014 03:14

Client ID:

Sample Info: CCV,71159:1

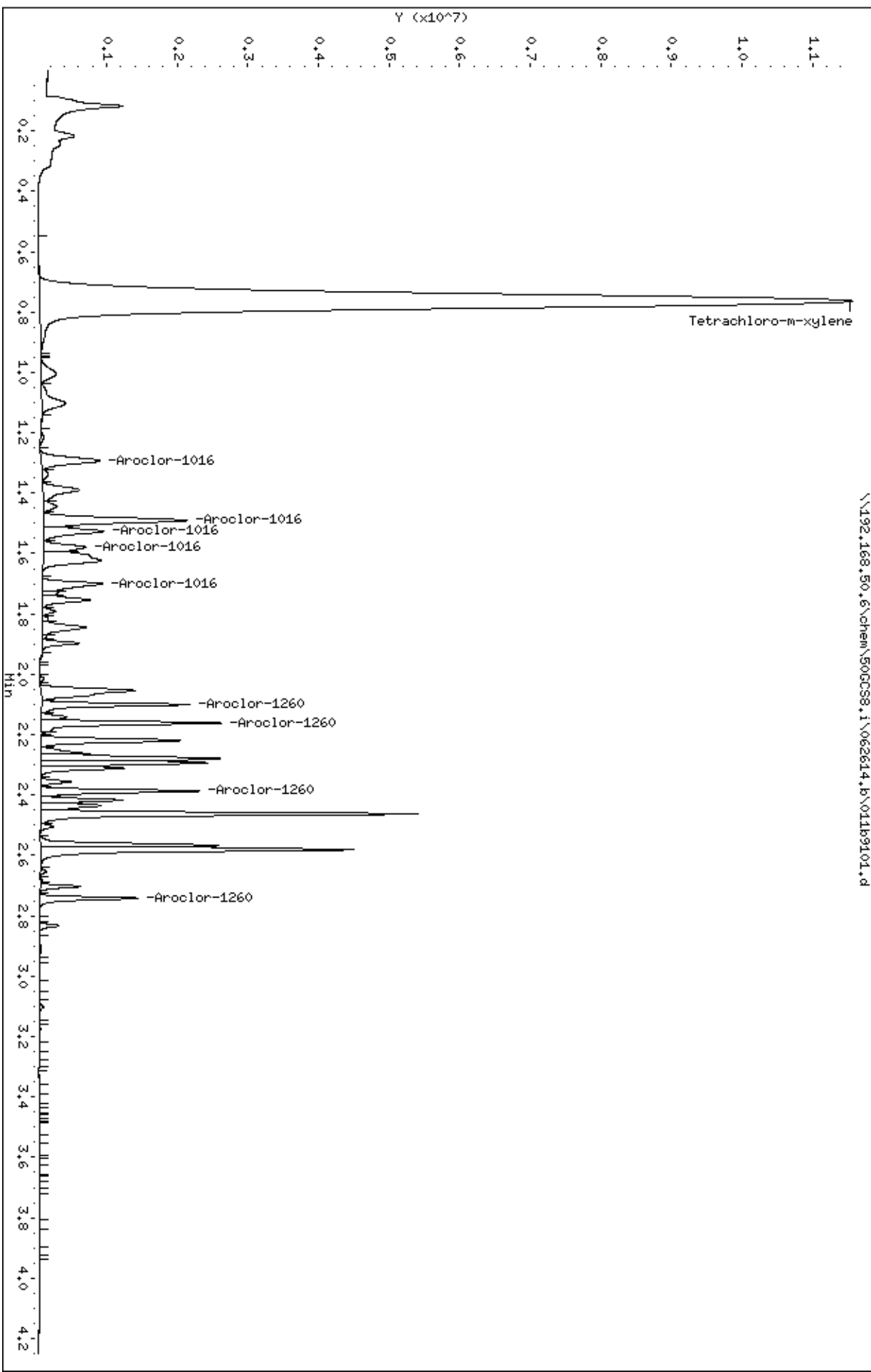
Instrument: 50CCS8.1

Operator: DMT

Column diameter: 0.00

Column phase:

\\192.168.50.6\chem\50CCS8.1\062614.b\01189101.d



Pace Analytical Services, Inc.

PCB by Method 8082A

Data file : \\192.168.50.6\chem\50GCS8.i\062614.b\011ba201.d
 Lab Smp Id: CCV,71159:1
 Inj Date : 27-JUN-2014 04:18
 Operator : DMT
 Smp Info : ccv,71159:1
 Misc Info : 12692
 Comment : 8082A
 Method : \\192.168.50.6\chem\50GCS8.i\062614.b\8082r.m
 Meth Date : 27-Jun-2014 11:26 50GCS8.i
 Cal Date : 18-JUN-2014 17:36
 Als bottle: 11
 Dil Factor: 1.00000
 Integrator: Falcon
 Target Version: 4.14

Inst ID: 50GCS8.i
 Quant Type: ESTD
 Cal File: 017b2701.d
 Continuing Calibration Sample
 Compound Sublist: ical.sub
 Sample Matrix: None

AMOUNTS									
RT	EXP RT	DLT RT	RESPONSE	CAL-AMT (ug/mL)	ON-COL (ug/mL)	TARGET RANGE	RATIO		
=====	=====	=====	=====	=====	=====	=====	=====		

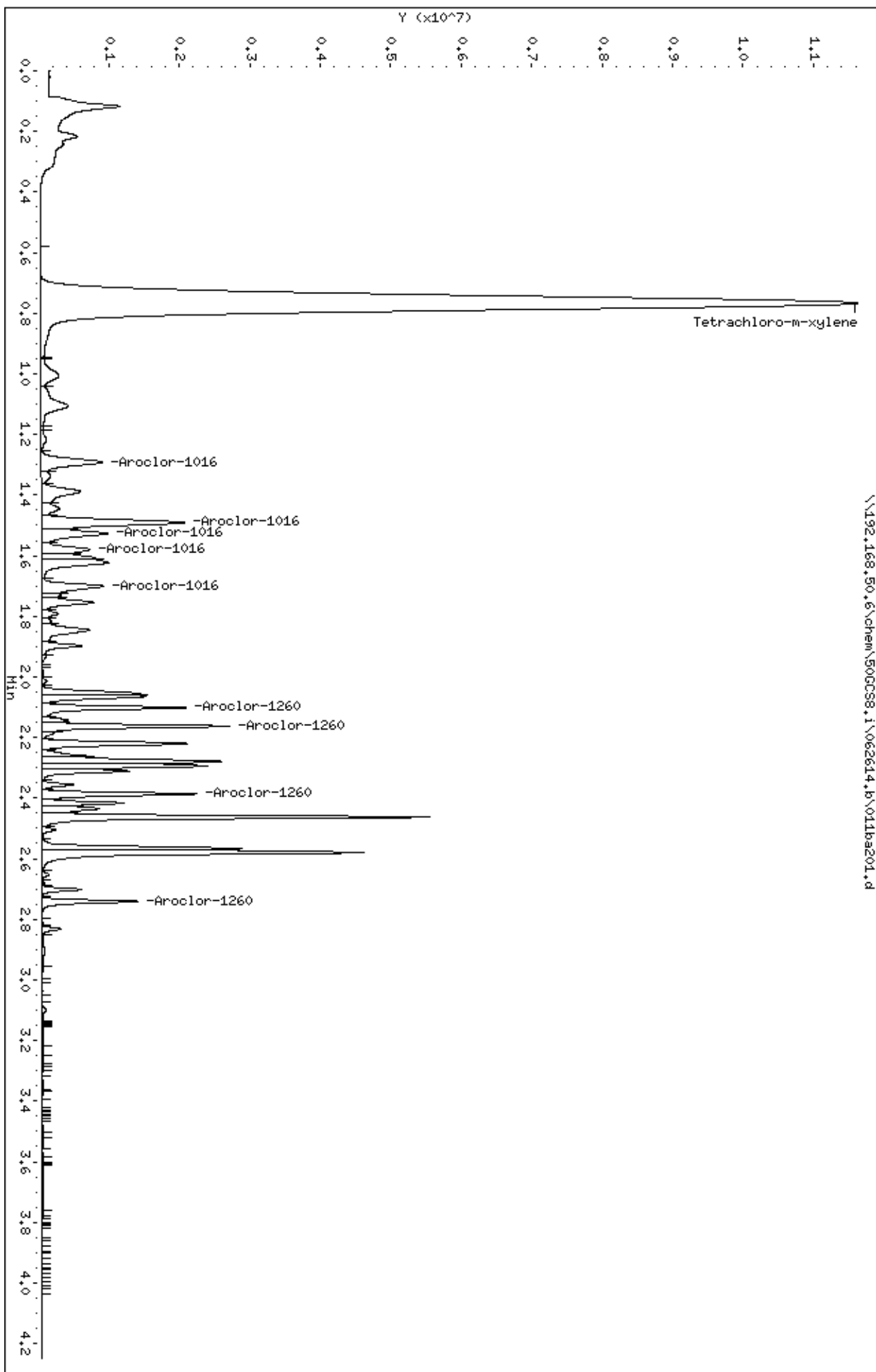
\$ 1	Tetrachloro-m-xylene				CAS #: 877-09-8				
0.766	0.768	-0.002	39370752	0.50000	0.539				

23 Aroclor-1016									
CAS #: 12674-11-2									
1.292	1.292	0.000	1450269	0.50000	0.530	0.00-	0.00	100.00	
1.491	1.489	0.002	2866701	0.50000	0.515	0.00-	0.00	197.67	
1.527	1.526	0.001	1371167	0.50000	0.556	0.00-	0.00	94.55	
1.579	1.579	0.000	940540	0.50000	0.557	0.00-	0.00	64.85	
1.700	1.699	0.001	1265761	0.50000	0.520	0.00-	0.00	87.28	
Average of Peak Amounts =					0.53560				

29 Aroclor-1260									
CAS #: 11096-82-5									
2.102	2.099	0.003	1792525	0.50000	0.484	0.00-	0.00	100.00	
2.163	2.160	0.003	2209183	0.50000	0.496	0.00-	0.00	123.24	
2.386	2.384	0.002	1824283	0.50000	0.501	0.00-	0.00	101.77	
2.579	2.578	0.001	0	0.000	0.000	0.00-	0.00	0.00	
2.741	2.739	0.002	1085361	0.50000	0.513	0.00-	0.00	60.55	
Average of Peak Amounts =					0.49850				

Column phase:

Instrument: 50CCS8.1
Operator: DMT
Column diameter: 0.00



Pace Analytical Services, Inc.

PCB by Method 8082A

Data file : \\192.168.50.6\chem\50GCS8.i\070114.b\011b4401.d
 Lab Smp Id: CCV,71569:1
 Inj Date : 01-JUL-2014 16:58
 Operator : DMT
 Smp Info : ccv,71569:1
 Misc Info : 12692
 Comment : 8082A
 Method : \\192.168.50.6\chem\50GCS8.i\070114.b\8082r.m
 Meth Date : 02-Jul-2014 11:39 50GCS8.i
 Cal Date : 18-JUN-2014 17:36
 Als bottle: 11
 Dil Factor: 1.00000
 Integrator: Falcon
 Target Version: 4.14

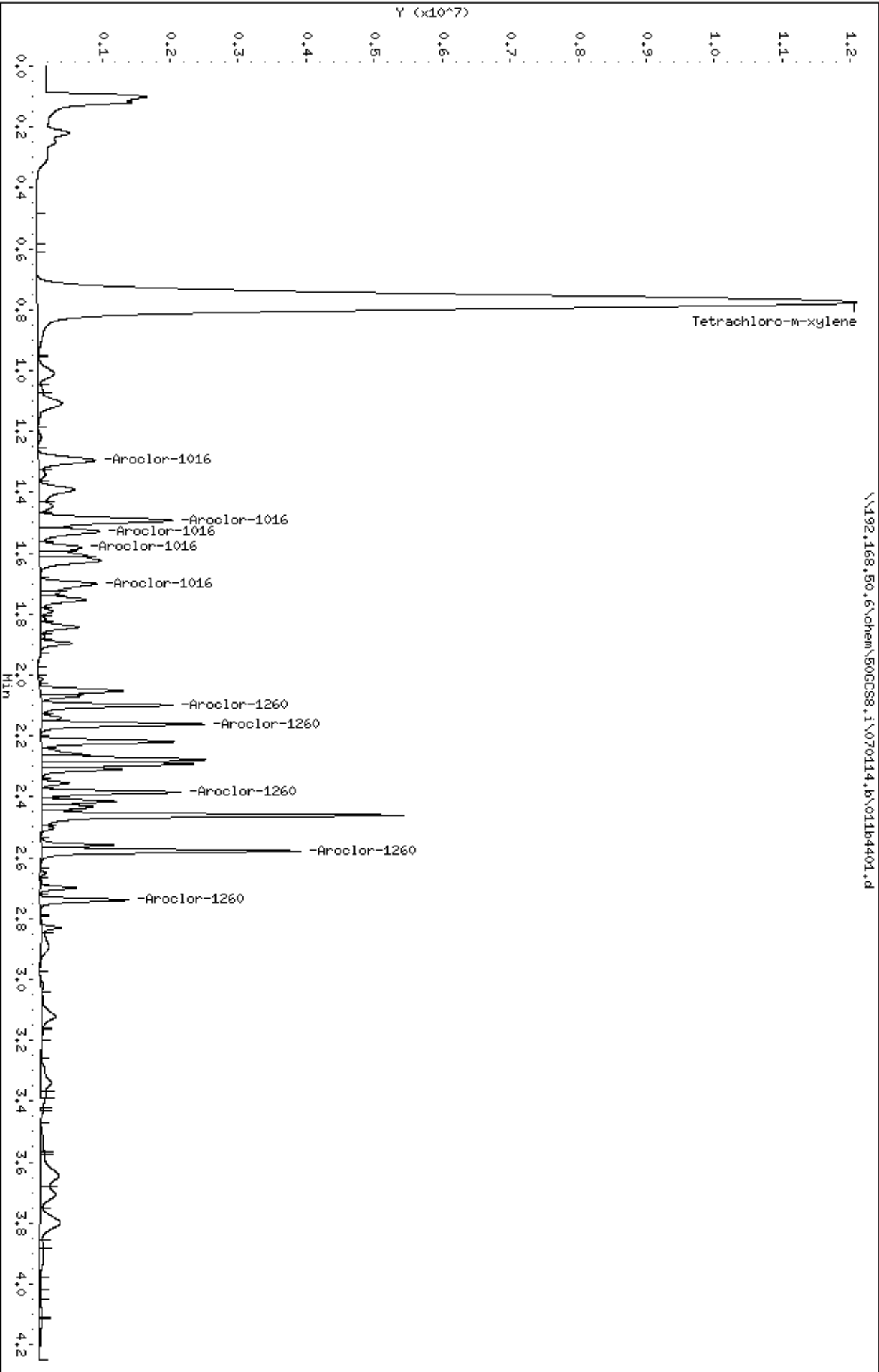
Inst ID: 50GCS8.i
 Quant Type: ESTD
 Cal File: 017b2701.d
 Continuing Calibration Sample
 Compound Sublist: ical.sub
 Sample Matrix: None

AMOUNTS									
RT	EXP RT	DLT RT	RESPONSE	CAL-AMT (ug/mL)	ON-COL (ug/mL)	TARGET RANGE	RATIO		
=====	=====	=====	=====	=====	=====	=====	=====		

\$ 1	Tetrachloro-m-xylene				CAS #: 877-09-8				
0.775	0.766	0.009	40113635	0.50000	0.549				

23 Aroclor-1016									
CAS #: 12674-11-2									
1.294	1.291	0.003	1355264	0.50000	0.496	0.00-	0.00	100.00	
1.492	1.491	0.001	2696679	0.50000	0.485	0.00-	0.00	198.98	
1.528	1.527	0.001	1251254	0.50000	0.507	0.00-	0.00	92.33	
1.581	1.580	0.001	829205	0.50000	0.491	0.00-	0.00	61.18	
1.700	1.699	0.001	1133928	0.50000	0.466	0.00-	0.00	83.67	
Average of Peak Amounts =					0.48900				

29 Aroclor-1260									
CAS #: 11096-82-5									
2.100	2.101	-0.001	1635951	0.50000	0.442	0.00-	0.00	100.00	
2.161	2.163	-0.002	2045435	0.50000	0.459	0.00-	0.00	125.03	
2.385	2.386	-0.001	1681168	0.50000	0.462	0.00-	0.00	102.76	
2.578	2.581	-0.003	3098979	0.50000	0.516	0.00-	0.00	189.43	
2.739	2.742	-0.003	1065783	0.50000	0.503	0.00-	0.00	65.15	
Average of Peak Amounts =					0.47640				



Pace Analytical Services, Inc.

PCB by Method 8082A

Data file : \\192.168.50.6\chem\50GCS8.i\070114.b\011b6901.d
 Lab Smp Id: CCV,71569:1
 Inj Date : 01-JUL-2014 19:22
 Operator : DMT
 Smp Info : ccv,71569:1
 Misc Info : 12692
 Comment : 8082A
 Method : \\192.168.50.6\chem\50GCS8.i\070114.b\8082r.m
 Meth Date : 02-Jul-2014 11:39 50GCS8.i
 Cal Date : 18-JUN-2014 17:36
 Als bottle: 11
 Dil Factor: 1.00000
 Integrator: Falcon
 Target Version: 4.14

Inst ID: 50GCS8.i
 Quant Type: ESTD
 Cal File: 017b2701.d
 Continuing Calibration Sample
 Compound Sublist: ical.sub
 Sample Matrix: None

AMOUNTS								
RT	EXP RT	DLT RT	RESPONSE	CAL-AMT (ug/mL)	ON-COL (ug/mL)	TARGET RANGE	RATIO	
=====	=====	=====	=====	=====	=====	=====	=====	

\$ 1	Tetrachloro-m-xylene				CAS #: 877-09-8			
0.772	0.766	0.006	41006530	0.50000	0.561			

23 Aroclor-1016				CAS #: 12674-11-2				
1.294	1.291	0.003	1425543	0.50000	0.521	0.00-	0.00	100.00
1.491	1.491	0.000	2790981	0.50000	0.501	0.00-	0.00	195.78
1.528	1.527	0.001	1378691	0.50000	0.559	0.00-	0.00	96.71
1.580	1.580	0.000	923191	0.50000	0.547	0.00-	0.00	64.76
1.700	1.699	0.001	1270768	0.50000	0.522	0.00-	0.00	89.14
Average of Peak Amounts =					0.53000			

29 Aroclor-1260				CAS #: 11096-82-5				
2.099	2.101	-0.002	1913923	0.50000	0.517	0.00-	0.00	100.00
2.161	2.163	-0.002	2386638	0.50000	0.536	0.00-	0.00	124.70
2.385	2.386	-0.001	1948345	0.50000	0.535	0.00-	0.00	101.80
2.578	2.581	-0.003	3362960	0.50000	0.560	0.00-	0.00	175.71
2.739	2.742	-0.003	1154403	0.50000	0.545	0.00-	0.00	60.32
Average of Peak Amounts =					0.53860			

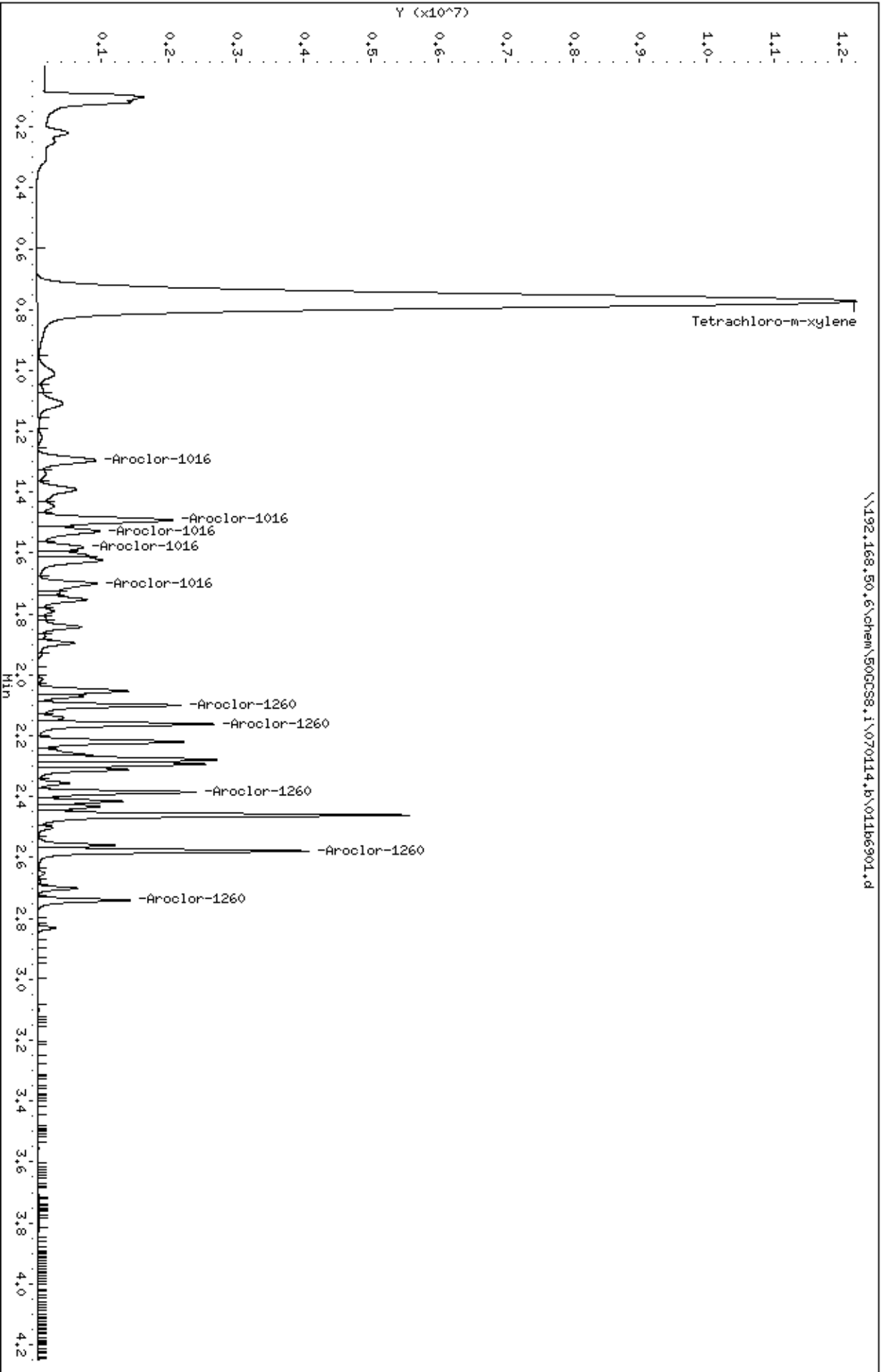
Client ID:

Instrument: 50CCS8.1

Sample Info: CCV, 71569:1

Column phase:

Operator: DMT
Column diameter: 0.00



Pace Analytical Services, Inc.

PCB by Method 8082A

Data file : \\192.168.50.6\chem\50GCS8.i\070214.b\011b1501.d
 Lab Smp Id: CCV,71826:1
 Inj Date : 02-JUL-2014 22:05
 Operator : DMT
 Smp Info : ccv,71826:1
 Misc Info : 12692
 Comment : 8082A
 Method : \\192.168.50.6\chem\50GCS8.i\070214.b\8082r.m
 Meth Date : 03-Jul-2014 13:44 50GCS8.i
 Cal Date : 18-JUN-2014 17:36
 Als bottle: 11
 Dil Factor: 1.00000
 Integrator: Falcon
 Target Version: 4.14

Inst ID: 50GCS8.i
 Quant Type: ESTD
 Cal File: 017b2701.d
 Continuing Calibration Sample
 Compound Sublist: ical.sub
 Sample Matrix: None

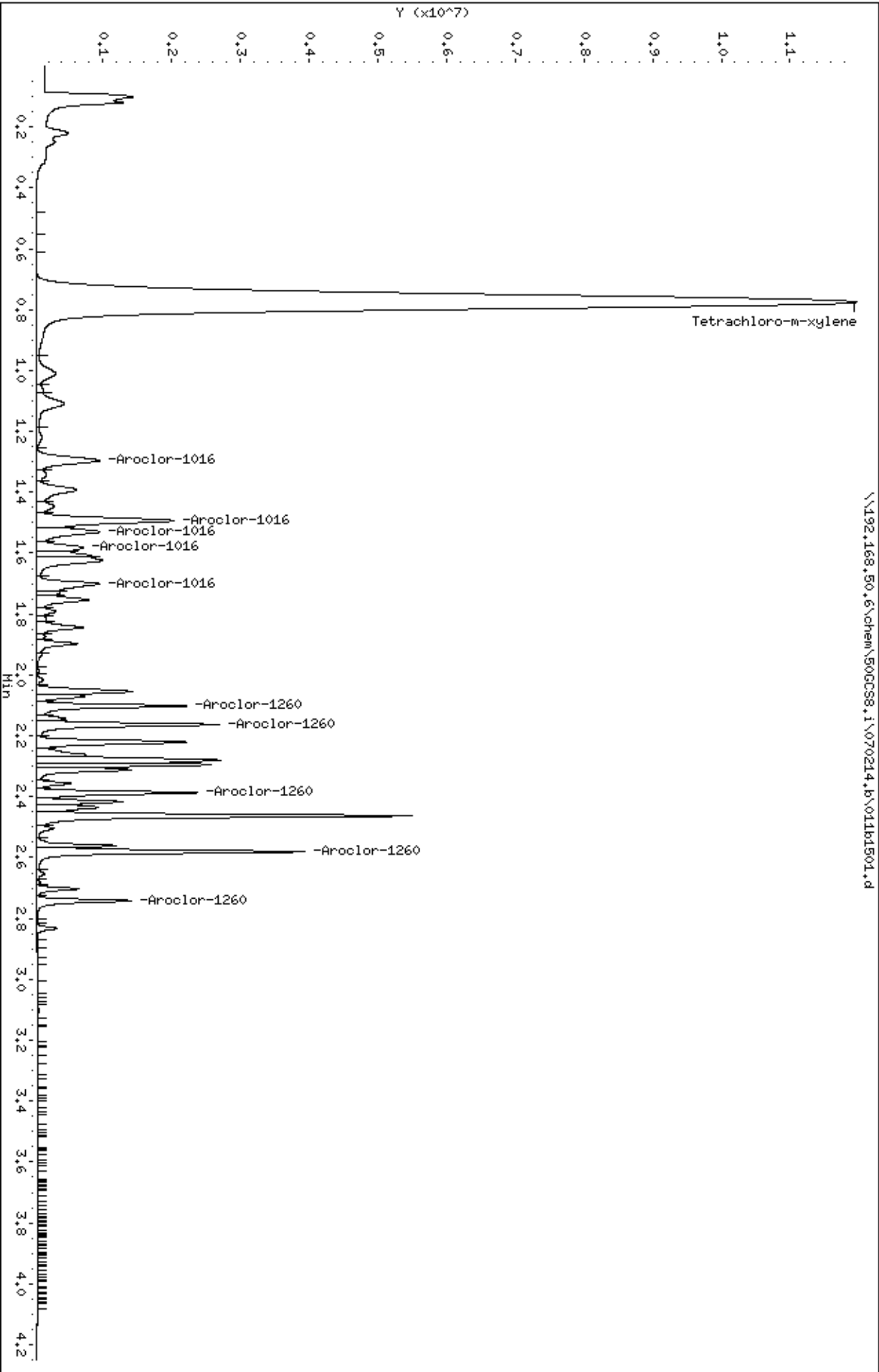
AMOUNTS								
RT	EXP RT	DLT RT	RESPONSE	CAL-AMT (ug/mL)	ON-COL (ug/mL)	TARGET RANGE	RATIO	
=====	=====	=====	=====	=====	=====	=====	=====	

\$ 1	Tetrachloro-m-xylene				CAS #: 877-09-8			
0.774	0.766	0.008	41162385	0.50000	0.563			

23		Aroclor-1016				CAS #: 12674-11-2		
1.294	1.291	0.003	1556233	0.50000	0.569	0.00-	0.00	100.00
1.493	1.491	0.002	2838965	0.50000	0.510	0.00-	0.00	182.43
1.529	1.527	0.002	1409926	0.50000	0.572	0.00-	0.00	90.60
1.581	1.580	0.001	943898	0.50000	0.559	0.00-	0.00	60.65
1.700	1.699	0.001	1348726	0.50000	0.554	0.00-	0.00	86.67
Average of Peak Amounts =				0.55280				

29		Aroclor-1260				CAS #: 11096-82-5		
2.101	2.101	0.000	1968025	0.50000	0.531	0.00-	0.00	100.00
2.163	2.163	0.000	2421873	0.50000	0.544	0.00-	0.00	123.06
2.386	2.386	0.000	1981301	0.50000	0.544	0.00-	0.00	100.67
2.580	2.581	-0.001	3342944	0.50000	0.556	0.00-	0.00	169.86
2.741	2.742	-0.001	1178639	0.50000	0.557	0.00-	0.00	59.89
Average of Peak Amounts =				0.54640				

Instrument: 50CCS8.1
Operator: DMT
Column diameter: 0.00
Column phase:



Pace Analytical Services, Inc.

PCB by Method 8082A

Data file : \\192.168.50.6\chem\50GCS8.i\070214.b\011b3301.d
 Lab Smp Id: CCV,71826:1
 Inj Date : 02-JUL-2014 23:49
 Operator : DMT
 Smp Info : ccv,71826:1
 Misc Info : 12692
 Comment : 8082A
 Method : \\192.168.50.6\chem\50GCS8.i\070214.b\8082r.m
 Meth Date : 03-Jul-2014 13:44 50GCS8.i
 Cal Date : 18-JUN-2014 17:36
 Als bottle: 11
 Dil Factor: 1.00000
 Integrator: Falcon
 Target Version: 4.14

Inst ID: 50GCS8.i
 Quant Type: ESTD
 Cal File: 017b2701.d
 Continuing Calibration Sample
 Compound Sublist: ical.sub
 Sample Matrix: None

AMOUNTS								
RT	EXP RT	DLT RT	RESPONSE	CAL-AMT (ug/mL)	ON-COL (ug/mL)	TARGET RANGE	RATIO	
=====	=====	=====	=====	=====	=====	=====	=====	

\$ 1	Tetrachloro-m-xylene				CAS #: 877-09-8			
0.776	0.766	0.010	40443912	0.50000	0.553			

23 Aroclor-1016				CAS #: 12674-11-2				
1.296	1.291	0.005	1509212	0.50000	0.552	0.00-	0.00	100.00
1.492	1.491	0.001	2764727	0.50000	0.497	0.00-	0.00	183.19
1.529	1.527	0.002	1373199	0.50000	0.557	0.00-	0.00	90.99
1.581	1.580	0.001	920368	0.50000	0.545	0.00-	0.00	60.98
1.700	1.699	0.001	1289740	0.50000	0.530	0.00-	0.00	85.46
Average of Peak Amounts =					0.53620			

29 Aroclor-1260				CAS #: 11096-82-5				
2.098	2.101	-0.003	1917311	0.50000	0.518	0.00-	0.00	100.00
2.159	2.163	-0.004	2378764	0.50000	0.534	0.00-	0.00	124.07
2.384	2.386	-0.002	1942328	0.50000	0.534	0.00-	0.00	101.30
2.578	2.581	-0.003	3222217	0.50000	0.536	0.00-	0.00	168.06
2.739	2.742	-0.003	1111827	0.50000	0.525	0.00-	0.00	57.99
Average of Peak Amounts =					0.52940			

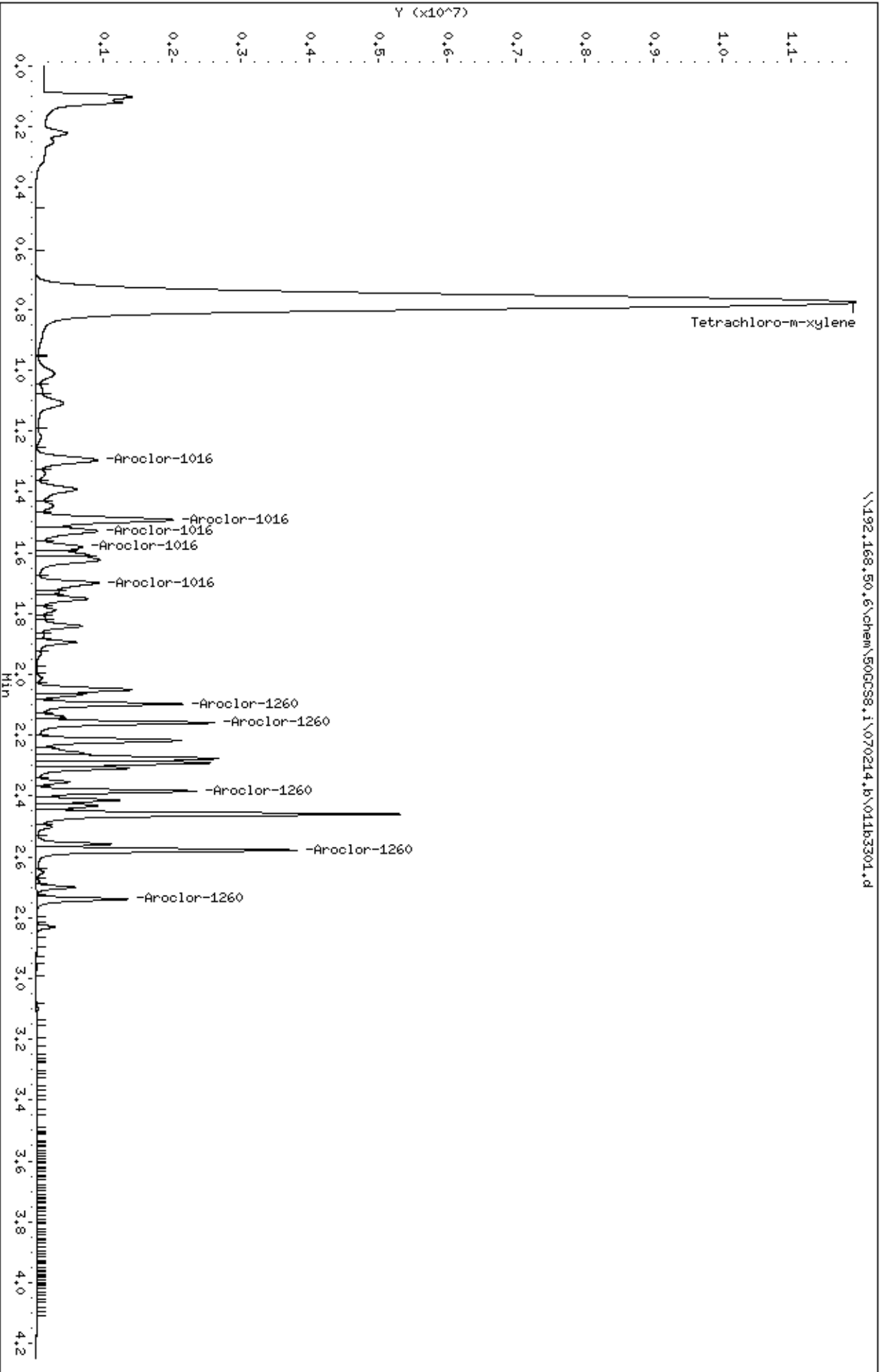
Client ID:

Instrument: 500CS8.1

Sample Info: CCV, 71826:1

Column phase:

Operator: DMT
Column diameter: 0.00



Pace Analytical Services, Inc.

PCB by Method 8082A

Data file : \\192.168.50.6\chem\50GCS8.i\070314.b\011b1501.d
 Lab Smp Id: CCV,71921:1
 Inj Date : 03-JUL-2014 18:23
 Operator : DMT
 Smp Info : ccv,71921:1
 Misc Info : 12692
 Comment : 8082A
 Method : \\192.168.50.6\chem\50GCS8.i\070314.b\8082r.m
 Meth Date : 06-Jul-2014 22:06 50GCS8.i
 Cal Date : 18-JUN-2014 17:36
 Als bottle: 11
 Dil Factor: 1.00000
 Integrator: Falcon
 Target Version: 4.14

Inst ID: 50GCS8.i
 Quant Type: ESTD
 Cal File: 017b2701.d
 Continuing Calibration Sample
 Compound Sublist: ical.sub
 Sample Matrix: None

AMOUNTS								
RT	EXP RT	DLT RT	RESPONSE	CAL-AMT (ug/mL)	ON-COL (ug/mL)	TARGET RANGE	RATIO	
=====	=====	=====	=====	=====	=====	=====	=====	

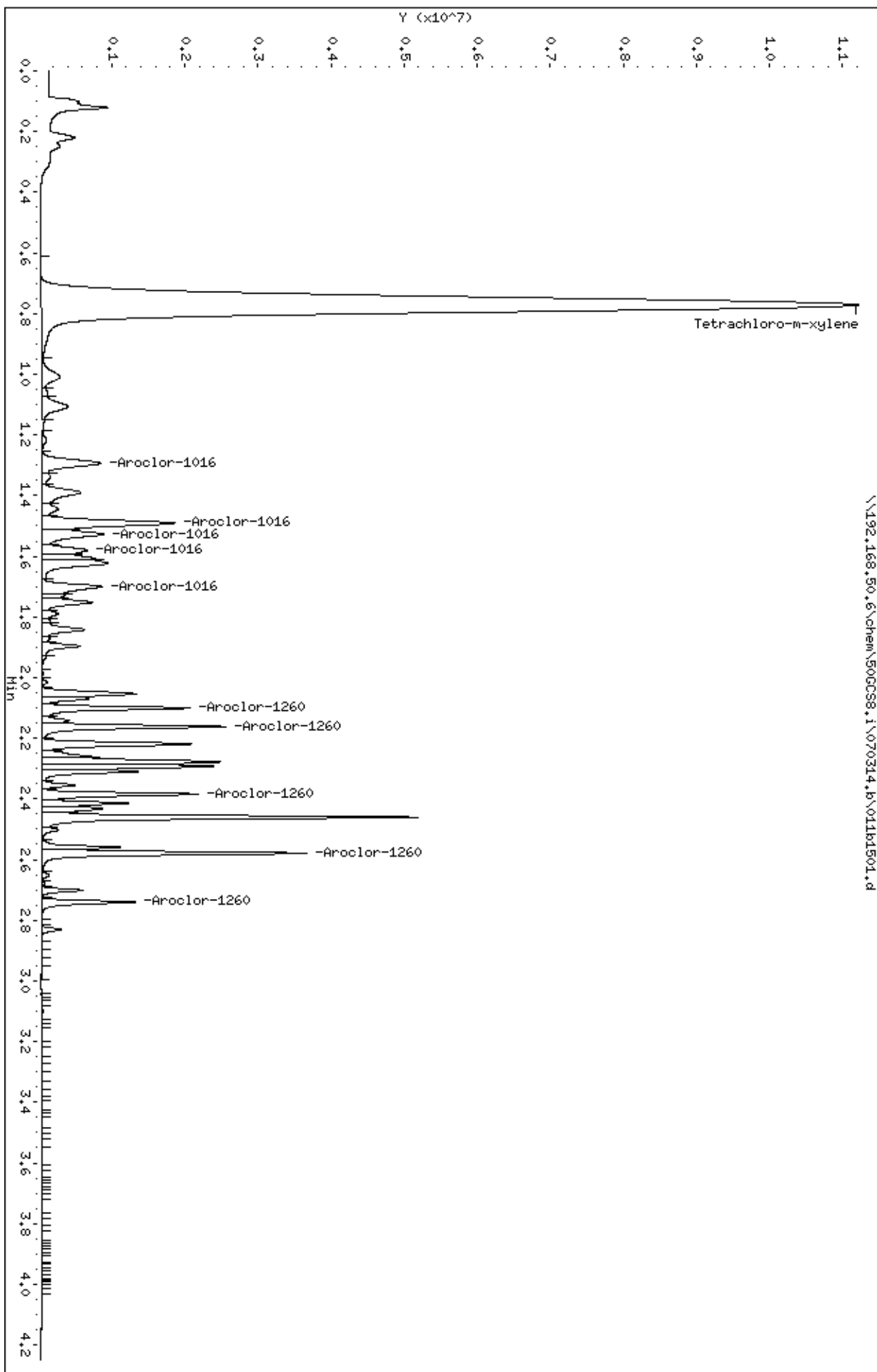
\$ 1	Tetrachloro-m-xylene				CAS #: 877-09-8			
0.770	0.777	-0.007	38774719	0.50000	0.530			

23		Aroclor-1016				CAS #: 12674-11-2		
1.293	1.295	-0.002	1356203	0.50000	0.496	0.00-	0.00	100.00
1.491	1.492	-0.001	2596060	0.50000	0.466	0.00-	0.00	191.42
1.528	1.529	-0.001	1311692	0.50000	0.532	0.00-	0.00	96.72
1.580	1.581	-0.001	875743	0.50000	0.519	0.00-	0.00	64.57
1.700	1.700	0.000	1222687	0.50000	0.502	0.00-	0.00	90.16
Average of Peak Amounts =				0.50300				

29		Aroclor-1260				CAS #: 11096-82-5		
2.100	2.100	0.000	1824853	0.50000	0.493	0.00-	0.00	100.00
2.162	2.162	0.000	2258619	0.50000	0.507	0.00-	0.00	123.77
2.384	2.385	-0.001	1855219	0.50000	0.510	0.00-	0.00	101.66
2.579	2.579	0.000	3168613	0.50000	0.527	0.00-	0.00	173.64
2.740	2.740	0.000	1097890	0.50000	0.519	0.00-	0.00	60.16
Average of Peak Amounts =				0.51120				

Column phase:

Instrument: 50CCS8.1
Operator: DMT
Column diameter: 0.00



Pace Analytical Services, Inc.

PCB by Method 8082A

Data file : \\192.168.50.6\chem\50GCS8.i\070314.b\011b2001.d
 Lab Smp Id: CCV,71921:1
 Inj Date : 03-JUL-2014 18:52
 Operator : DMT
 Smp Info : ccv,71921:1
 Misc Info : 12692
 Comment : 8082A
 Method : \\192.168.50.6\chem\50GCS8.i\070314.b\8082r.m
 Meth Date : 06-Jul-2014 22:06 50GCS8.i
 Cal Date : 18-JUN-2014 17:36
 Als bottle: 11
 Dil Factor: 1.00000
 Integrator: Falcon
 Target Version: 4.14

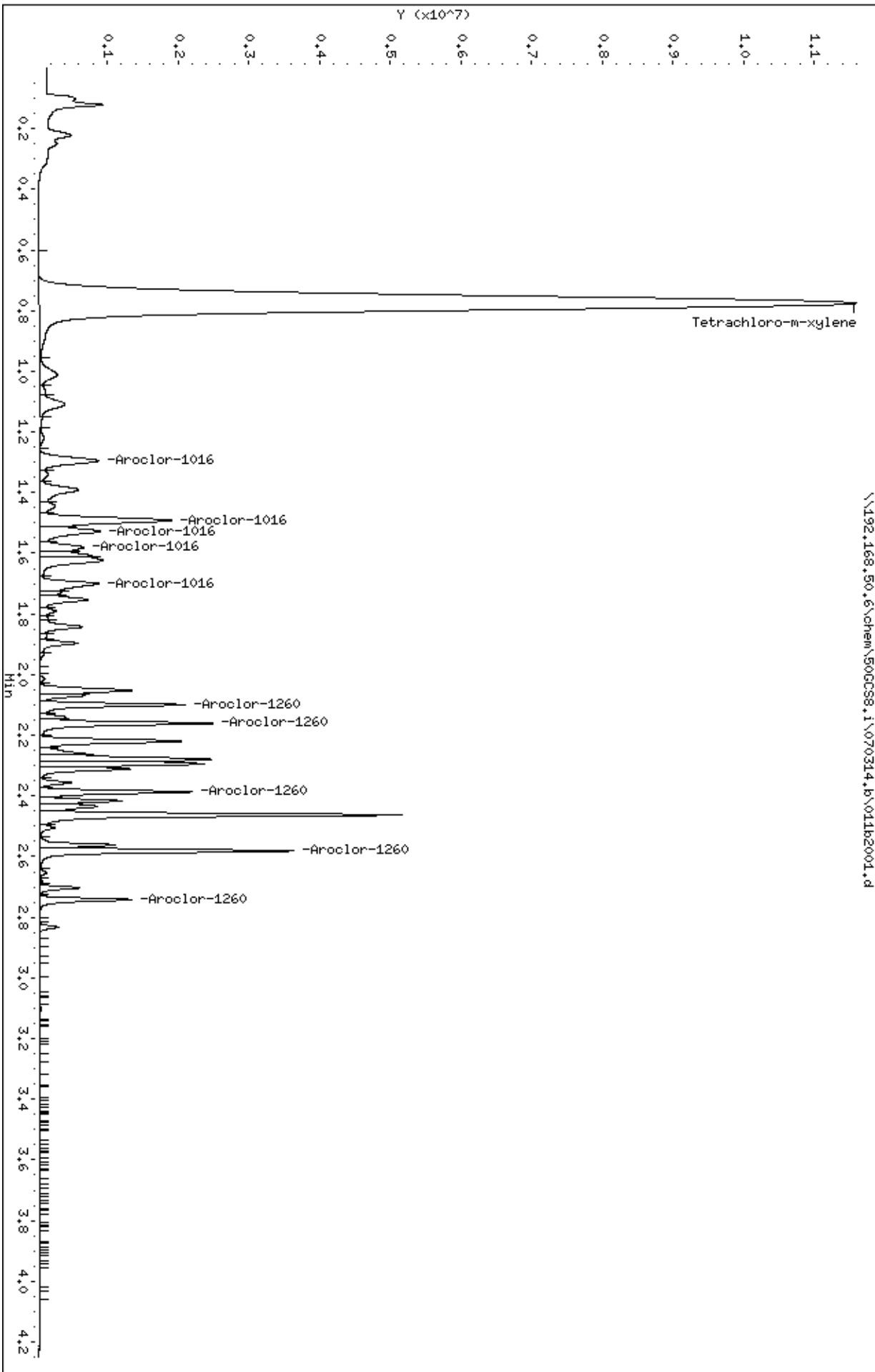
Inst ID: 50GCS8.i
 Quant Type: ESTD
 Cal File: 017b2701.d
 Continuing Calibration Sample
 Compound Sublist: ical.sub
 Sample Matrix: None

AMOUNTS									
RT	EXP RT	DLT RT	RESPONSE	CAL-AMT (ug/mL)	ON-COL (ug/mL)	TARGET	RANGE	RATIO	
=====	=====	=====	=====	=====	=====	=====	=====	=====	

\$ 1	Tetrachloro-m-xylene				CAS #: 877-09-8				
0.775	0.777	-0.002	38786920	0.50000	0.531				

23 Aroclor-1016									
CAS #: 12674-11-2									
1.294	1.295	-0.001	1340869	0.50000	0.490	0.00-	0.00	100.00	
1.491	1.492	-0.001	2595338	0.50000	0.466	0.00-	0.00	193.56	
1.527	1.529	-0.002	1298994	0.50000	0.527	0.00-	0.00	96.88	
1.580	1.581	-0.001	860383	0.50000	0.509	0.00-	0.00	64.17	
1.700	1.700	0.000	1202916	0.50000	0.494	0.00-	0.00	89.71	
Average of Peak Amounts =					0.49720				

29 Aroclor-1260									
CAS #: 11096-82-5									
2.099	2.100	-0.001	1807853	0.50000	0.488	0.00-	0.00	100.00	
2.160	2.162	-0.002	2238876	0.50000	0.503	0.00-	0.00	123.84	
2.386	2.385	0.001	1828353	0.50000	0.502	0.00-	0.00	101.13	
2.581	2.579	0.002	3106775	0.50000	0.517	0.00-	0.00	171.85	
2.741	2.740	0.001	1077278	0.50000	0.509	0.00-	0.00	59.59	
Average of Peak Amounts =					0.50380				



PCB - FORM I SVOA-1
SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

BLANK

Lab Name: Pace Analytical - Indiana
Date Received: _____
Date Extracted: 06/23/2014 15:00
Date Analyzed: 06/24/2014 19:07
Initial wt/vol: 1000 mL Final wt/vol: 10 mL Dilution: 1

Contract: Sibley-Accucast/2339-356-03-00
Matrix: Water SDG No.: 5099688
Lab Sample ID: 1115924
Lab File ID: 062414.B\022F1601.D
Instrument: 50GCS8 Percent Moisture: _____

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
12674-11-2	PCB-1016 (Aroclor 1016)	ND	U
11104-28-2	PCB-1221 (Aroclor 1221)	ND	U
11141-16-5	PCB-1232 (Aroclor 1232)	ND	U
53469-21-9	PCB-1242 (Aroclor 1242)	ND	U
12672-29-6	PCB-1248 (Aroclor 1248)	ND	U
11097-69-1	PCB-1254 (Aroclor 1254)	ND	U
11096-82-5	PCB-1260 (Aroclor 1260)	ND	U

07/21/2014 8:52

Pace Analytical Services, Inc.

PCB by Method 8082A

Data file : \\192.168.50.6\chem\50GCS8.i\062414.b\022f1601.d
Lab Smp Id: 1115924 Client Smp ID: MB
Inj Date : 24-JUN-2014 19:07
Operator : DMT Inst ID: 50GCS8.i
Smp Info : 1115924,
Misc Info : 12719
Comment : 8082A
Method : \\192.168.50.6\chem\50GCS8.i\062414.b\8082f.m
Meth Date : 25-Jun-2014 13:25 50GCS8.i Quant Type: ESTD
Cal Date : 18-JUN-2014 17:31 Cal File: 017f2601.d
Als bottle: 22 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 4.14 Sample Matrix: WATER
Processing Host: 50-SVOA-DMTVMXP

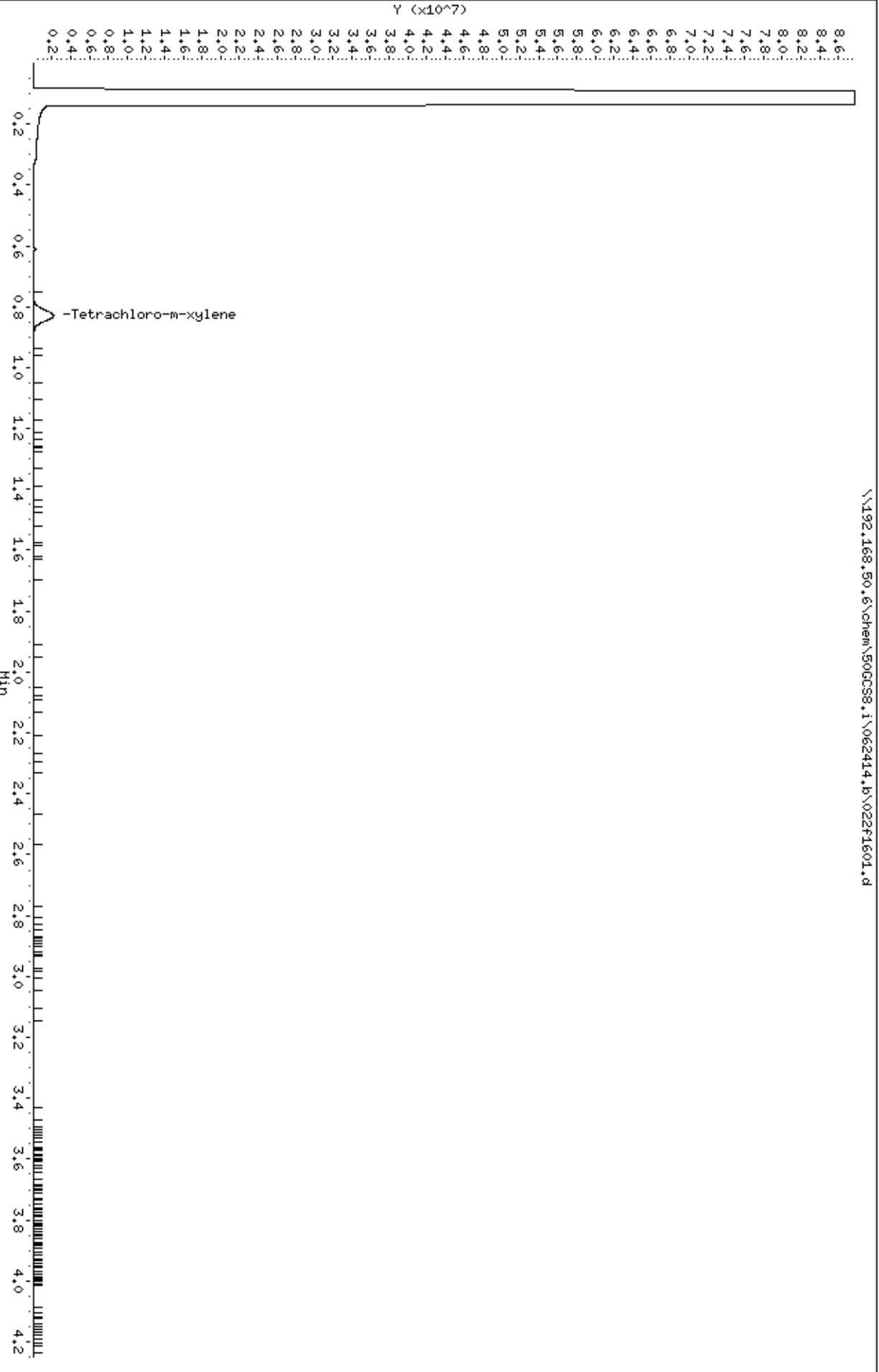
Concentration Formula: Amt * DF * Uf * (Vt/Vo) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Cpnd Variable		Local Compound Variable

CONCENTRATIONS						
		ON-COL	FINAL			
RT	EXP RT	DLT RT	RESPONSE (ug/mL)	(ug/L)	TARGET RANGE	RATIO
====	=====	=====	=====	=====	=====	=====
\$ 1						
0.829	0.830	-0.001	5682525	0.17244	1.724	

Client ID: HB
Sample Info: 1115924,
Volume Injected (uL): 1.0
Column phase:

Instrument: 500CS8.1
Operator: DMT
Column diameter: 0.00



PCB - FORM I SVOA-1
SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

BLANK

Lab Name: Pace Analytical - Indiana
Date Received: _____
Date Extracted: 06/26/2014 11:14
Date Analyzed: 06/26/2014 22:36
Initial wt/vol: 30 g Final wt/vol: 10 mL Dilution: 1

Contract: Sibley-Accucast/2339-356-03-00
Matrix: Solid SDG No.: 5099688
Lab Sample ID: 1117906
Lab File ID: 062614.B\045B4301.D
Instrument: 50GCS8 Percent Moisture: _____

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	PCB-1016 (Aroclor 1016)	ND	U
11104-28-2	PCB-1221 (Aroclor 1221)	ND	U
11141-16-5	PCB-1232 (Aroclor 1232)	ND	U
53469-21-9	PCB-1242 (Aroclor 1242)	ND	U
12672-29-6	PCB-1248 (Aroclor 1248)	ND	U
11097-69-1	PCB-1254 (Aroclor 1254)	ND	U
11096-82-5	PCB-1260 (Aroclor 1260)	ND	U

Pace Analytical Services, Inc.

PCB by Method 8082A

Data file : \\192.168.50.6\chem\50GCS8.i\062614.b\045b4301.d
 Lab Smp Id: 1117906 Client Smp ID: MB
 Inj Date : 26-JUN-2014 22:36
 Operator : DMT Inst ID: 50GCS8.i
 Smp Info : 1117906,
 Misc Info : 12740
 Comment : 8082A
 Method : \\192.168.50.6\chem\50GCS8.i\062614.b\8082r.m
 Meth Date : 27-Jun-2014 11:26 50GCS8.i Quant Type: ESTD
 Cal Date : 18-JUN-2014 17:36 Cal File: 017b2701.d
 Als bottle: 45 QC Sample: BLANK
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: all.sub
 Target Version: 4.14 Sample Matrix: SOIL
 Processing Host: 50-SVOA-DMTVMXP

Concentration Formula: Amt * DF * Uf * Vt / (Vi * Ws * (100-M) / 100) * CpndVar

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL) (1000 low, 2
Vi	1.000	Volume injected (uL)
Ws	30.000	Weight of sample extracted (g)
M	0.00000	% Moisture
Cpnd Variable		Local Compound Variable

CONCENTRATIONS

RT	EXP RT	DLT RT	RESPONSE	ON-COL (ug/mL)	FINAL (ug/Kg)	TARGET RANGE	RATIO
0.769	0.768	0.001	12866295	0.17619	58.729		

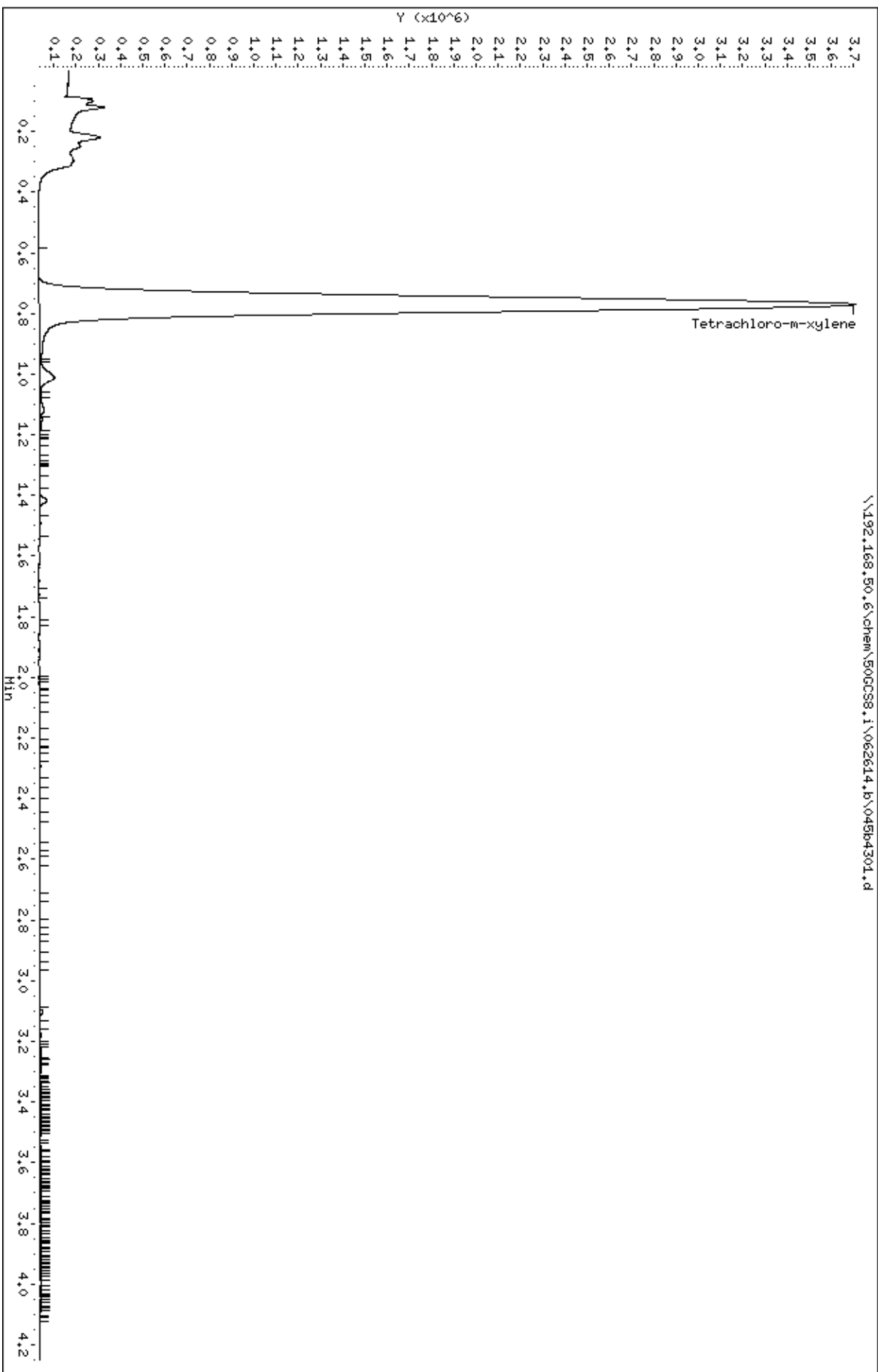
\$ 1 Tetrachloro-m-xylene CAS #: 877-09-8

Data File: \\192.168.50.6\chem\50CCS8.1\062614.b\045p4301.d
Date: 26-JUN-2014 22:36

Page 2

Client ID: HB
Sample Info: 1117906,
Volume Injected (uL): 1.0
Column phase:

Instrument: 50CCS8.1
Operator: DMT
Column diameter: 0.00



PCB - FORM I SVOA-1
SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

BLANK

Lab Name: Pace Analytical - Indiana
Date Received: _____
Date Extracted: 06/26/2014 11:14
Date Analyzed: 06/27/2014 03:20
Initial wt/vol: 30 g Final wt/vol: 10 mL Dilution: 1

Contract: Sibley-Accucast/2339-356-03-00
Matrix: Solid SDG No.: 5099688
Lab Sample ID: 1117946
Lab File ID: 062614.B\092B9201.D
Instrument: 50GCS8 Percent Moisture: _____

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	PCB-1016 (Aroclor 1016)	ND	U
11104-28-2	PCB-1221 (Aroclor 1221)	ND	U
11141-16-5	PCB-1232 (Aroclor 1232)	ND	U
53469-21-9	PCB-1242 (Aroclor 1242)	ND	U
12672-29-6	PCB-1248 (Aroclor 1248)	ND	U
11097-69-1	PCB-1254 (Aroclor 1254)	ND	U
11096-82-5	PCB-1260 (Aroclor 1260)	ND	U

Pace Analytical Services, Inc.

PCB by Method 8082A

Data file : \\192.168.50.6\chem\50GCS8.i\062614.b\092b9201.d
 Lab Smp Id: 1117946 Client Smp ID: MB
 Inj Date : 27-JUN-2014 03:20
 Operator : DMT Inst ID: 50GCS8.i
 Smp Info : 1117946,
 Misc Info : 12742
 Comment : 8082A
 Method : \\192.168.50.6\chem\50GCS8.i\062614.b\8082r.m
 Meth Date : 27-Jun-2014 11:26 50GCS8.i Quant Type: ESTD
 Cal Date : 18-JUN-2014 17:36 Cal File: 017b2701.d
 Als bottle: 92 QC Sample: BLANK
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: all.sub
 Target Version: 4.14 Sample Matrix: SOIL
 Processing Host: 50-SVOA-DMTVMXP

Concentration Formula: Amt * DF * Uf * Vt / (Vi * Ws * (100-M) / 100) * CpndVar

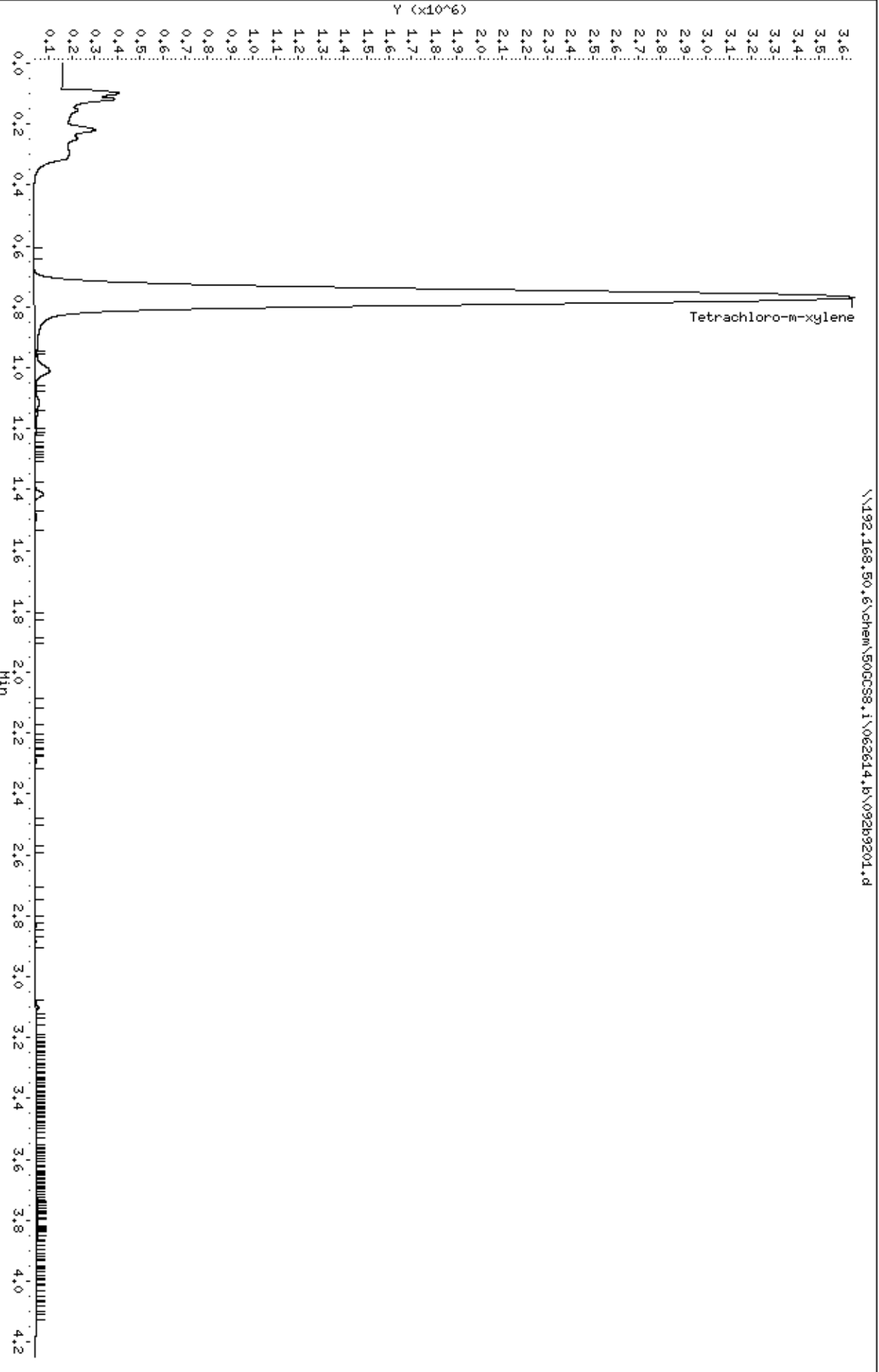
Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL) (1000 low, 2
Vi	1.000	Volume injected (uL)
Ws	30.000	Weight of sample extracted (g)
M	0.00000	% Moisture
Cpnd Variable		Local Compound Variable

CONCENTRATIONS

RT	EXP RT	DLT RT	RESPONSE	ON-COL (ug/mL)	FINAL (ug/Kg)	TARGET RANGE	RATIO
\$ 1	0.769	0.768	0.001	12558555	0.17197	57.324	

Client ID: HB
Sample Info: 1117946,
Volume Injected (uL): 1.0
Column phase:

Instrument: 50CCS8.1
Operator: DMT
Column diameter: 0.00



PCB - FORM I SVOA-1
SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

BLANK

Lab Name: Pace Analytical - Indiana
Date Received: _____
Date Extracted: 06/27/2014 12:25
Date Analyzed: 07/01/2014 17:03
Initial wt/vol: 30 g Final wt/vol: 10 mL Dilution: 1

Contract: Sibley-Accucast/2339-356-03-00
Matrix: Solid SDG No.: 5099688
Lab Sample ID: 1118946
Lab File ID: 070114.B\047B4501.D
Instrument: 50GCS8 Percent Moisture: _____

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	PCB-1016 (Aroclor 1016)	ND	U
11104-28-2	PCB-1221 (Aroclor 1221)	ND	U
11141-16-5	PCB-1232 (Aroclor 1232)	ND	U
53469-21-9	PCB-1242 (Aroclor 1242)	ND	U
12672-29-6	PCB-1248 (Aroclor 1248)	ND	U
11097-69-1	PCB-1254 (Aroclor 1254)	ND	U
11096-82-5	PCB-1260 (Aroclor 1260)	ND	U

07/21/2014 8:52

Pace Analytical Services, Inc.

PCB by Method 8082A

Data file : \\192.168.50.6\chem\50GCS8.i\070114.b\047b4501.d
 Lab Smp Id: 1118946 Client Smp ID: MB
 Inj Date : 01-JUL-2014 17:03
 Operator : DMT Inst ID: 50GCS8.i
 Smp Info : 1118946,
 Misc Info : 12768
 Comment : 8082A
 Method : \\192.168.50.6\chem\50GCS8.i\070114.b\8082r.m
 Meth Date : 02-Jul-2014 11:39 50GCS8.i Quant Type: ESTD
 Cal Date : 18-JUN-2014 17:36 Cal File: 017b2701.d
 Als bottle: 47 QC Sample: BLANK
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: all.sub
 Target Version: 4.14 Sample Matrix: SOIL
 Processing Host: 50-SVOA-DMTVMXP

Concentration Formula: Amt * DF * Uf * Vt / (Vi * Ws * (100-M) / 100) * CpndVar

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL) (1000 low, 2
Vi	1.000	Volume injected (uL)
Ws	30.000	Weight of sample extracted (g)
M	0.00000	% Moisture
Cpnd Variable		Local Compound Variable

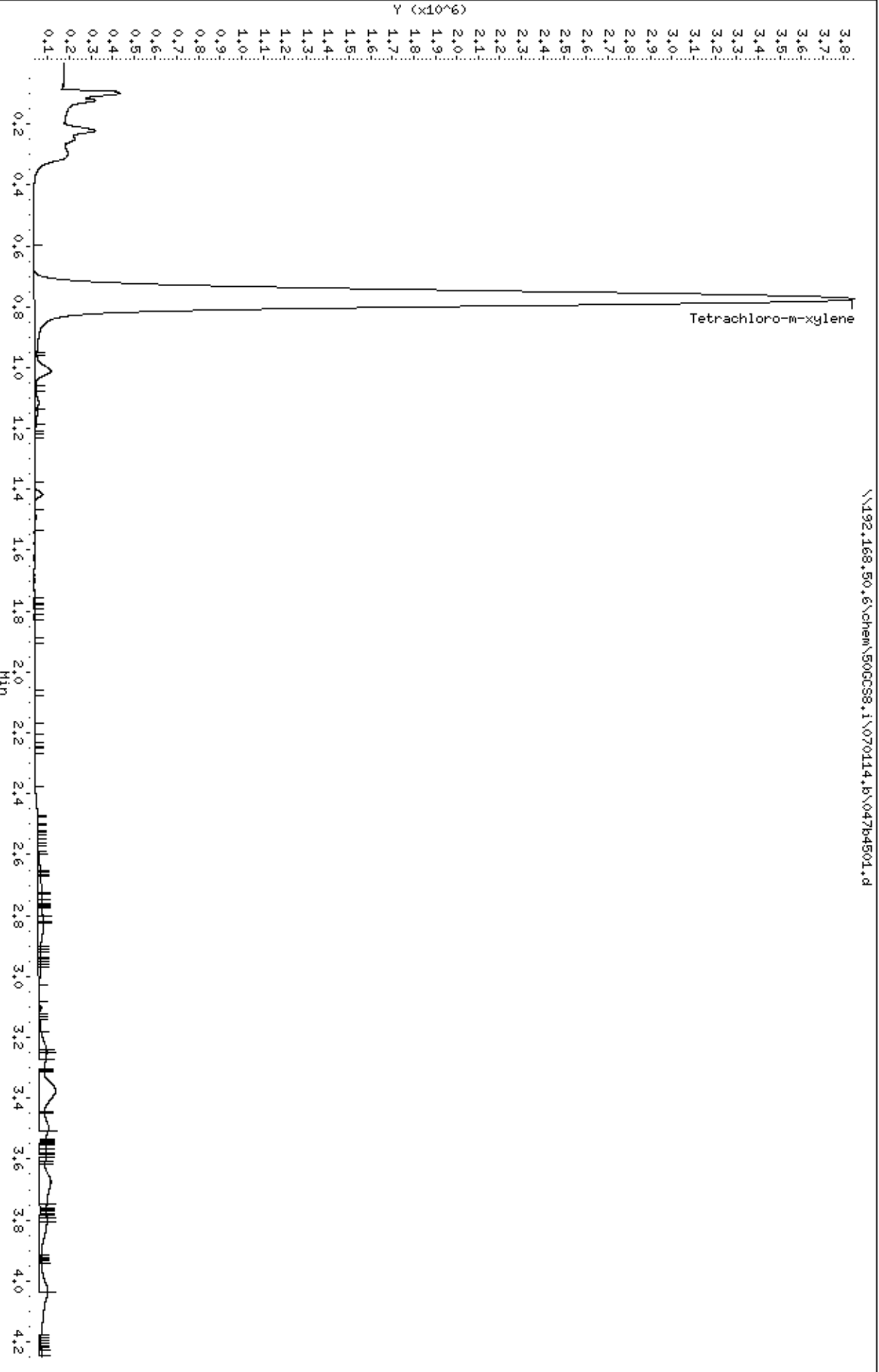
CONCENTRATIONS

RT	EXP RT	DLT RT	RESPONSE	ON-COL (ug/mL)	FINAL (ug/Kg)	TARGET RANGE	RATIO
0.774	0.766	0.008	13455289	0.18425	61.418		

\$ 1 Tetrachloro-m-xylene CAS #: 877-09-8

Client ID: HB
Sample Info: 1118946,
Volume Injected (uL): 1.0
Column phase:

Instrument: 50CCS8.1
Operator: DMT
Column diameter: 0.00



PCB - FORM I SVOA-1
SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

LCS

Lab Name: Pace Analytical - Indiana
Date Received: _____
Date Extracted: 06/23/2014 15:00
Date Analyzed: 06/24/2014 19:13
Initial wt/vol: 1000 mL Final wt/vol: 10 mL Dilution: 1

Contract: Sibley-Accucast/2339-356-03-00
Matrix: Water SDG No.: 5099688
Lab Sample ID: 1115925
Lab File ID: 062414.B\023F1701.D
Instrument: 50GCS8 Percent Moisture: _____

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
12674-11-2	PCB-1016 (Aroclor 1016)	4.3	
11096-82-5	PCB-1260 (Aroclor 1260)	4.2	

Pace Analytical Services, Inc.

PCB by Method 8082A

Data file : \\192.168.50.6\chem\50GCS8.i\062414.b\023f1701.d
 Lab Smp Id: 1115925 Client Smp ID: MBLCS
 Inj Date : 24-JUN-2014 19:13
 Operator : DMT Inst ID: 50GCS8.i
 Smp Info : 1115925,
 Misc Info : 12719
 Comment : 8082A
 Method : \\192.168.50.6\chem\50GCS8.i\062414.b\8082f.m
 Meth Date : 25-Jun-2014 13:25 50GCS8.i Quant Type: ESTD
 Cal Date : 18-JUN-2014 17:31 Cal File: 017f2601.d
 Als bottle: 23 QC Sample: LCS
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: pcbcls.sub
 Target Version: 4.14 Sample Matrix: WATER
 Processing Host: 50-SVOA-DMTVMXP

Concentration Formula: Amt * DF * Uf * (Vt/Vo) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Cpnd Variable		Local Compound Variable

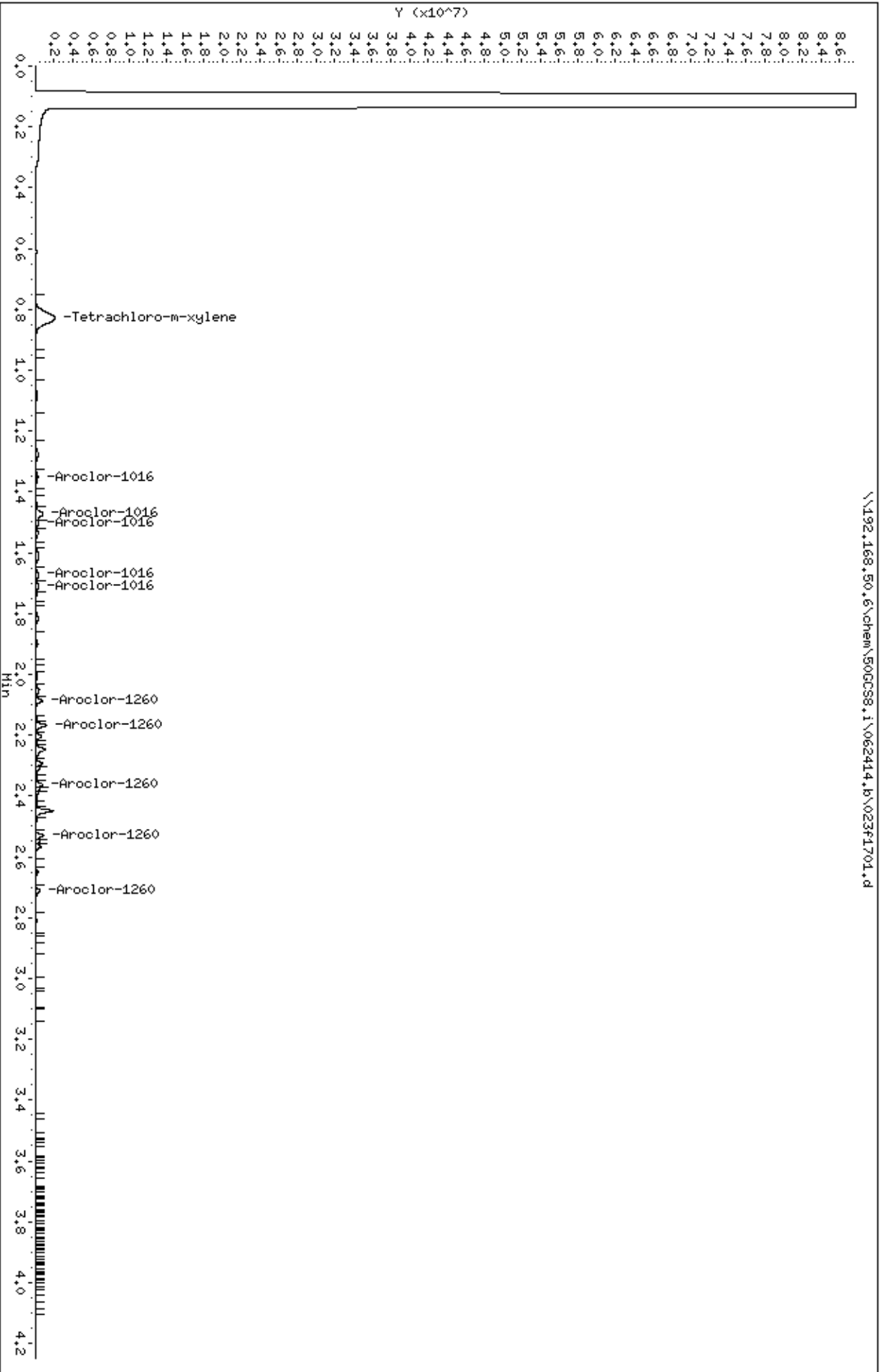
CONCENTRATIONS									
			ON-COL		FINAL				
RT	EXP RT	DLT RT	RESPONSE	(ug/mL)	(ug/L)	TARGET	RANGE	RATIO	
====	=====	=====	=====	=====	=====	=====	=====	=====	
\$ 1 Tetrachloro-m-xylene CAS #: 877-09-8									
0.830	0.830	0.000	5614678	0.17038	1.703				

23 Aroclor-1016 CAS #: 12674-11-2									
1.352	1.353	-0.001	372461	0.39796	3.979	0.00-	0.00	100.00	
1.473	1.474	-0.001	1066946	0.41281	4.128	0.00-	0.00	286.46	
1.503	1.503	0.000	453965	0.44104	4.410	0.00-	0.00	121.88	
1.671	1.671	0.000	499830	0.43496	4.349	0.00-	0.00	134.20	
1.711	1.710	0.001	457127	0.44856	4.485	0.00-	0.00	122.73	
Average of Peak Concentrations =					4.270				

29 Aroclor-1260 CAS #: 11096-82-5									
2.086	2.086	0.000	766291	0.46395	4.639	0.00-	0.00	100.00	
2.168	2.168	0.000	1028735	0.42105	4.210	0.00-	0.00	134.25	
2.362	2.362	0.000	583489	0.41971	4.197	0.00-	0.00	76.14	
2.530	2.529	0.001	699116	0.40638	4.063	0.00-	0.00	91.23	
2.711	2.711	0.000	447736	0.40902	4.090	0.00-	0.00	58.43	
Average of Peak Concentrations =					4.240				

Client ID: HBLCS
Sample Info: 1115925,
Volume Injected (uL): 1.0
Column phase:

Instrument: 500CS8.1
Operator: DMT
Column diameter: 0.00



PCB - FORM I SVOA-1
SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

LCS

Lab Name: Pace Analytical - Indiana
Date Received: _____
Date Extracted: 06/26/2014 11:14
Date Analyzed: 06/26/2014 22:42
Initial wt/vol: 30 g Final wt/vol: 10 mL Dilution: 1

Contract: Sibley-Accucast/2339-356-03-00
Matrix: Solid SDG No.: 5099688
Lab Sample ID: 1117907
Lab File ID: 062614.B\046B4401.D
Instrument: 50GCS8 Percent Moisture: _____

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	PCB-1016 (Aroclor 1016)	135	
11096-82-5	PCB-1260 (Aroclor 1260)	152	

Pace Analytical Services, Inc.

PCB by Method 8082A

Data file : \\192.168.50.6\chem\50GCS8.i\062614.b\046b4401.d
 Lab Smp Id: 1117907 Client Smp ID: MBLCS
 Inj Date : 26-JUN-2014 22:42
 Operator : DMT Inst ID: 50GCS8.i
 Smp Info : 1117907,
 Misc Info : 12740
 Comment : 8082A
 Method : \\192.168.50.6\chem\50GCS8.i\062614.b\8082r.m
 Meth Date : 27-Jun-2014 11:26 50GCS8.i Quant Type: ESTD
 Cal Date : 18-JUN-2014 17:36 Cal File: 017b2701.d
 Als bottle: 46 QC Sample: LCS
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: pcbcls.sub
 Target Version: 4.14 Sample Matrix: SOIL
 Processing Host: 50-SVOA-DMTVMXP

Concentration Formula: Amt * DF * Uf * Vt / (Vi * Ws * (100-M) / 100) * CpndVar

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL) (1000 low, 2
Vi	1.000	Volume injected (uL)
Ws	30.000	Weight of sample extracted (g)
M	0.00000	% Moisture
Cpnd Variable		Local Compound Variable

CONCENTRATIONS

ON-COL FINAL

RT	EXP RT	DLT RT	RESPONSE	(ug/mL)	(ug/Kg)	TARGET RANGE	RATIO
0.763	0.768	-0.005	12981153	0.17776	59.253		

\$ 1 Tetrachloro-m-xylene CAS #: 877-09-8

0.763	0.768	-0.005	12981153	0.17776	59.253		
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23 Aroclor-1016 CAS #: 12674-11-2

1.292	1.292	0.000	1065360	0.38998	129.992	0.00-	0.00	100.00
1.490	1.489	0.001	2158380	0.38820	129.399	0.00-	0.00	202.60
1.526	1.526	0.000	1042080	0.42286	140.954	0.00-	0.00	97.81
1.579	1.579	0.000	704487	0.41759	139.195	0.00-	0.00	66.13
1.699	1.699	0.000	979897	0.40305	134.350	0.00-	0.00	91.98

Average of Peak Concentrations = 134.778

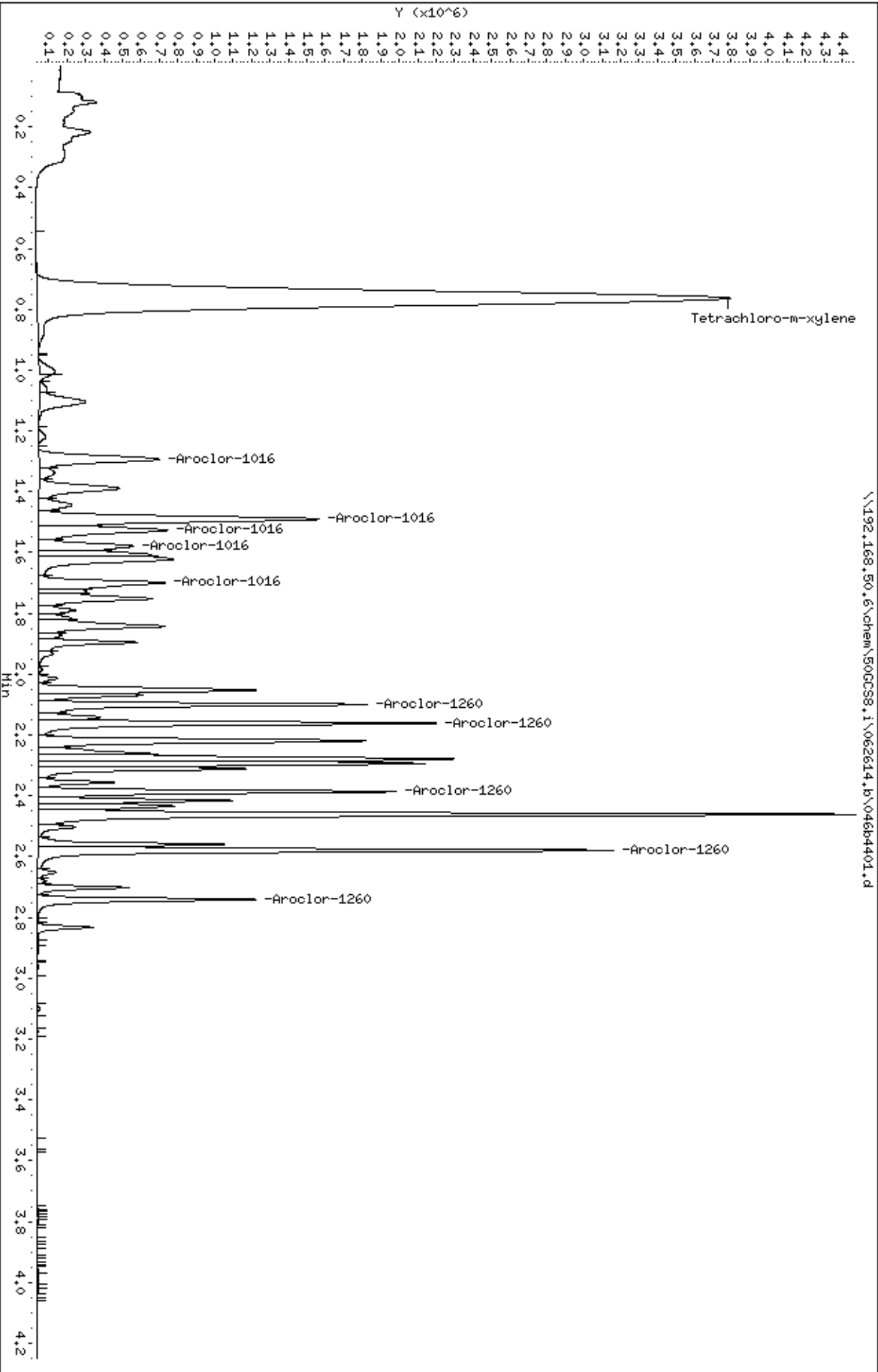
29 Aroclor-1260 CAS #: 11096-82-5

2.100	2.099	0.001	1612891	0.43577	145.256	0.00-	0.00	100.00
2.161	2.160	0.001	1979721	0.44511	148.369	0.00-	0.00	122.74
2.386	2.384	0.002	1666270	0.45828	152.759	0.00-	0.00	103.31
2.579	2.578	0.001	2747174	0.45769	152.563	0.00-	0.00	170.33
2.740	2.739	0.001	1007268	0.47617	158.723	0.00-	0.00	62.45

Average of Peak Concentrations = 151.534

Sample Info: 1117907,
Volume Injected (uL): 1.0
Column phase:

Operator: DMT
Column diameter: 0.00



PCB - FORM I SVOA-1
SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

LCS

Lab Name: Pace Analytical - Indiana
Date Received: _____
Date Extracted: 06/26/2014 11:14
Date Analyzed: 06/27/2014 03:26
Initial wt/vol: 30 g Final wt/vol: 10 mL Dilution: 1

Contract: Sibley-Accucast/2339-356-03-00
Matrix: Solid SDG No.: 5099688
Lab Sample ID: 1117947
Lab File ID: 062614.B\093B9301.D
Instrument: 50GCS8 Percent Moisture: _____

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	PCB-1016 (Aroclor 1016)	134	
11096-82-5	PCB-1260 (Aroclor 1260)	141	

Pace Analytical Services, Inc.

PCB by Method 8082A

Data file : \\192.168.50.6\chem\50GCS8.i\062614.b\093b9301.d
 Lab Smp Id: 1117947 Client Smp ID: MBLCS
 Inj Date : 27-JUN-2014 03:26
 Operator : DMT Inst ID: 50GCS8.i
 Smp Info : 1117947,
 Misc Info : 12742
 Comment : 8082A
 Method : \\192.168.50.6\chem\50GCS8.i\062614.b\8082r.m
 Meth Date : 27-Jun-2014 11:26 50GCS8.i Quant Type: ESTD
 Cal Date : 18-JUN-2014 17:36 Cal File: 017b2701.d
 Als bottle: 93 QC Sample: LCS
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: pcbcls.sub
 Target Version: 4.14 Sample Matrix: SOIL
 Processing Host: 50-SVOA-DMTVMXP

Concentration Formula: Amt * DF * Uf * Vt / (Vi * Ws * (100-M) / 100) * CpndVar

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL) (1000 low, 2
Vi	1.000	Volume injected (uL)
Ws	30.000	Weight of sample extracted (g)
M	0.00000	% Moisture
Cpnd Variable		Local Compound Variable

CONCENTRATIONS

ON-COL FINAL

RT	EXP RT	DLT RT	RESPONSE	(ug/mL)	(ug/Kg)	TARGET RANGE	RATIO
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\$ 1 Tetrachloro-m-xylene CAS #: 877-09-8
 0.769 0.768 0.001 12542382 0.17175 57.251

23 Aroclor-1016 CAS #: 12674-11-2

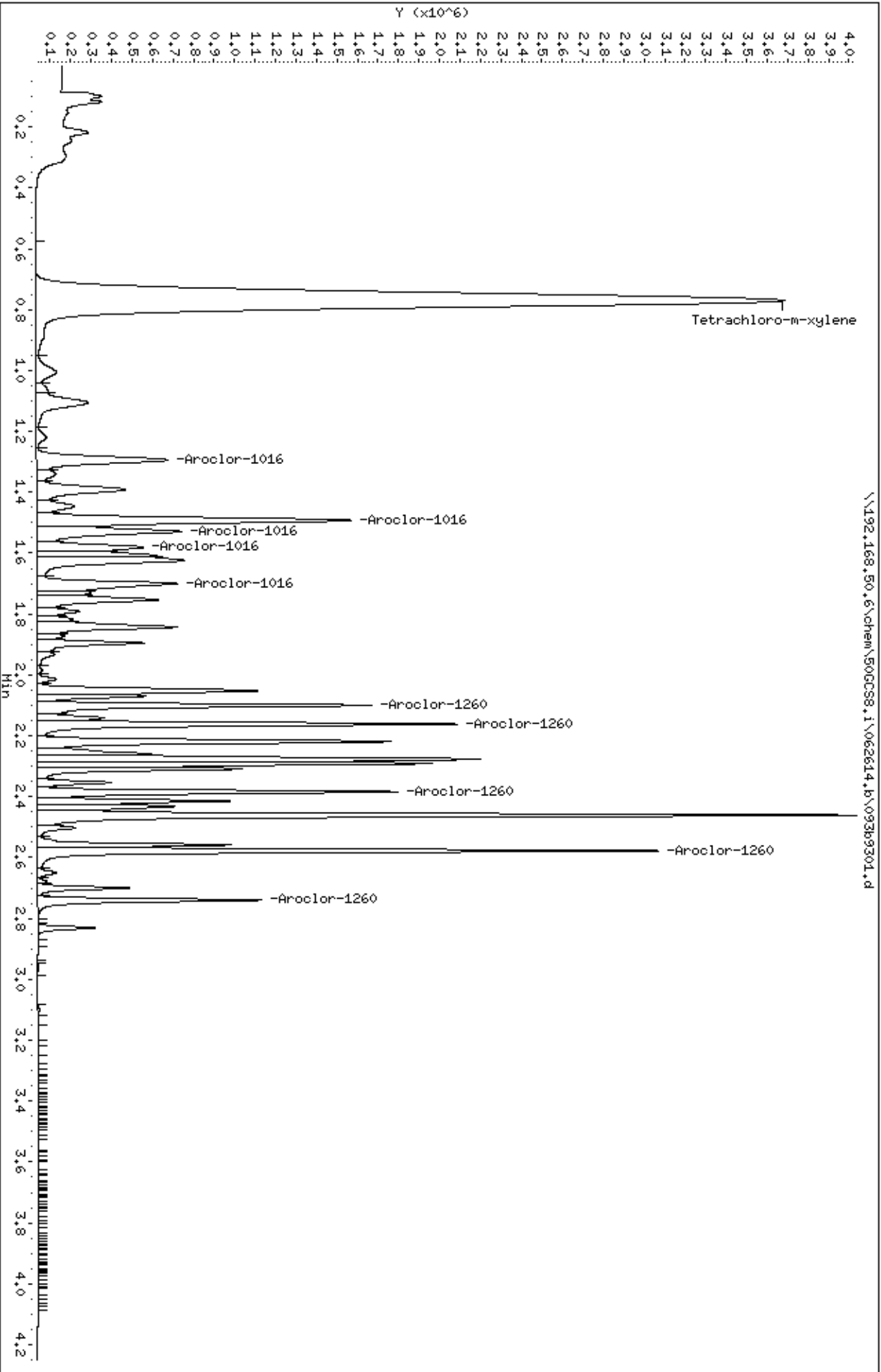
1.294	1.292	0.002	1068722	0.39121	130.402	0.00-	0.00	100.00
1.492	1.489	0.003	2107492	0.37904	126.348	0.00-	0.00	197.20
1.529	1.526	0.003	1041575	0.42266	140.885	0.00-	0.00	97.46
1.580	1.579	0.001	699969	0.41491	138.303	0.00-	0.00	65.50
1.700	1.699	0.001	992963	0.40843	136.141	0.00-	0.00	92.91
Average of Peak Concentrations =					134.416			

29 Aroclor-1260 CAS #: 11096-82-5

2.099	2.099	0.000	1524442	0.41187	137.291	0.00-	0.00	100.00
2.161	2.160	0.001	1863861	0.41906	139.686	0.00-	0.00	122.27
2.383	2.384	-0.001	1507114	0.41451	138.168	0.00-	0.00	98.86
2.577	2.578	-0.001	2558865	0.42632	142.105	0.00-	0.00	167.86
2.739	2.739	0.000	937933	0.44339	147.797	0.00-	0.00	61.53
Average of Peak Concentrations =					141.009			

Sample Info: 1117947,
Volume Injected (uL): 1.0
Column phase:

Operator: DMT
Column diameter: 0.00



PCB - FORM I SVOA-1
SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

LCS

Lab Name: Pace Analytical - Indiana
Date Received: _____
Date Extracted: 06/27/2014 12:25
Date Analyzed: 07/01/2014 17:09
Initial wt/vol: 30 g Final wt/vol: 10 mL Dilution: 1

Contract: Sibley-Accucast/2339-356-03-00
Matrix: Solid SDG No.: 5099688
Lab Sample ID: 1118947
Lab File ID: 070114.B\048B4601.D
Instrument: 50GCS8 Percent Moisture: _____

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	PCB-1016 (Aroclor 1016)	130	
11096-82-5	PCB-1260 (Aroclor 1260)	135	

Pace Analytical Services, Inc.

PCB by Method 8082A

Data file : \\192.168.50.6\chem\50GCS8.i\070114.b\048b4601.d
 Lab Smp Id: 1118947 Client Smp ID: MBLCS
 Inj Date : 01-JUL-2014 17:09
 Operator : DMT Inst ID: 50GCS8.i
 Smp Info : 1118947,
 Misc Info : 12768
 Comment : 8082A
 Method : \\192.168.50.6\chem\50GCS8.i\070114.b\8082r.m
 Meth Date : 02-Jul-2014 11:39 50GCS8.i Quant Type: ESTD
 Cal Date : 18-JUN-2014 17:36 Cal File: 017b2701.d
 Als bottle: 48 QC Sample: LCS
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: pcbcls.sub
 Target Version: 4.14 Sample Matrix: SOIL
 Processing Host: 50-SVOA-DMTVMXP

Concentration Formula: Amt * DF * Uf * Vt / (Vi * Ws * (100-M) / 100) * CpndVar

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL) (1000 low, 2
Vi	1.000	Volume injected (uL)
Ws	30.000	Weight of sample extracted (g)
M	0.00000	% Moisture
Cpnd Variable		Local Compound Variable

CONCENTRATIONS

ON-COL FINAL

RT	EXP RT	DLT RT	RESPONSE	(ug/mL)	(ug/Kg)	TARGET RANGE	RATIO
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\$ 1 Tetrachloro-m-xylene CAS #: 877-09-8
 0.772 0.766 0.006 12679439 0.17363 57.876

23 Aroclor-1016 CAS #: 12674-11-2

1.295	1.291	0.004	1038718	0.38022	126.741	0.00-	0.00	100.00
1.492	1.491	0.001	2021861	0.36364	121.214	0.00-	0.00	194.65
1.529	1.527	0.002	1016188	0.41236	137.452	0.00-	0.00	97.83
1.581	1.580	0.001	680774	0.40353	134.510	0.00-	0.00	65.54
1.699	1.699	0.000	939746	0.38654	128.845	0.00-	0.00	90.47

Average of Peak Concentrations = 129.752

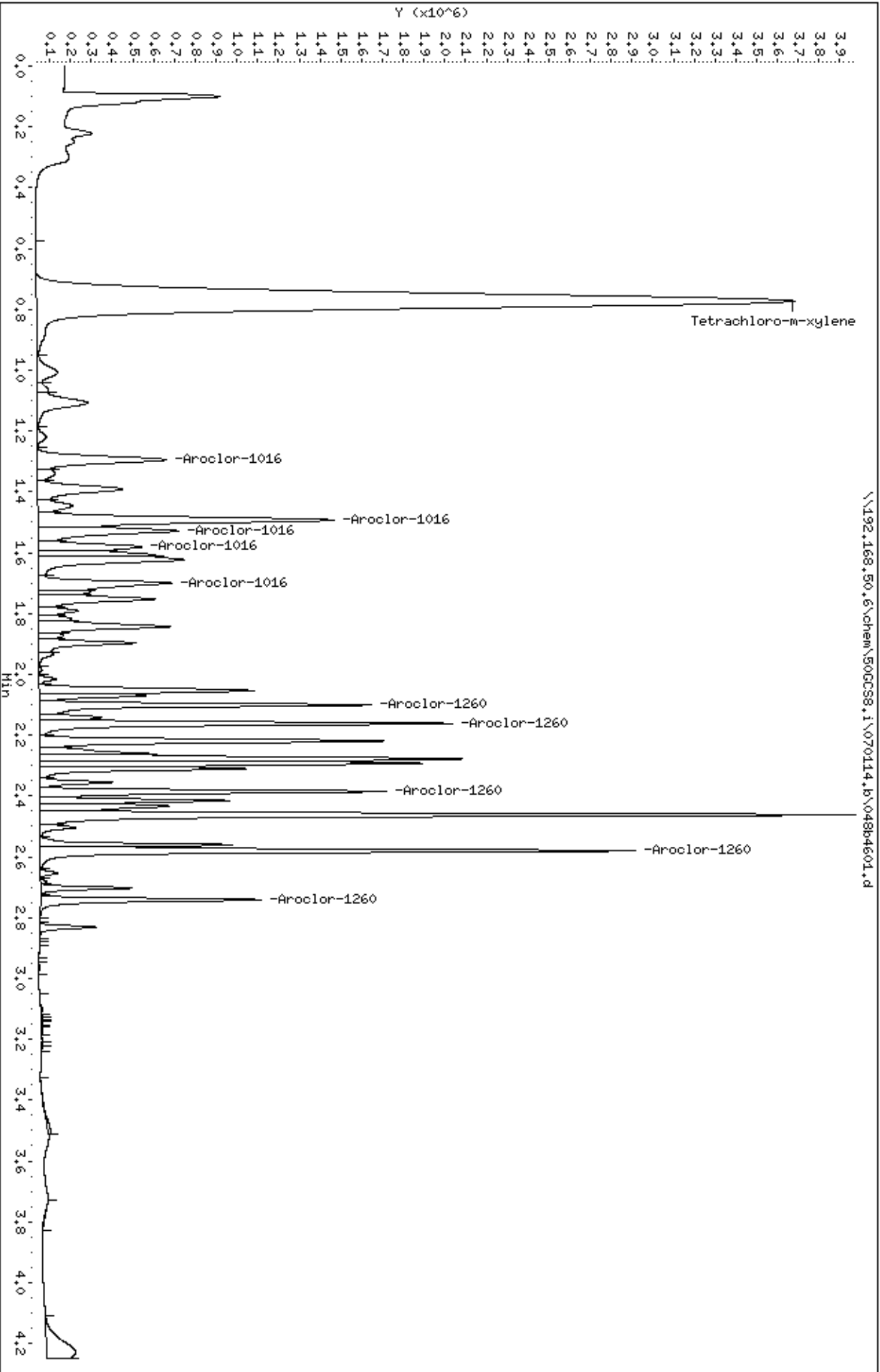
29 Aroclor-1260 CAS #: 11096-82-5

2.101	2.101	0.000	1456453	0.39350	131.168	0.00-	0.00	100.00
2.162	2.163	-0.001	1782253	0.40071	133.570	0.00-	0.00	122.37
2.385	2.386	-0.001	1447764	0.39818	132.727	0.00-	0.00	99.40
2.580	2.581	-0.001	2488583	0.41461	138.202	0.00-	0.00	170.87
2.741	2.742	-0.001	895785	0.42347	141.155	0.00-	0.00	61.50

Average of Peak Concentrations = 135.364

Client ID: HBLCS
Sample Info: 1118947,
Volume Injected (uL): 1.0
Column phase:

Instrument: 50CCS8.1
Operator: DMT
Column diameter: 0.00



PCB - FORM I SVOA-1
SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

MS

Lab Name: Pace Analytical - Indiana
Date Received: 06/21/2014 10:54
Date Extracted: 06/26/2014 11:14
Date Analyzed: 06/27/2014 00:32
Initial wt/vol: 30.2 g Final wt/vol: 10 mL Dilution: 1

Contract: Sibley-Accucast/2339-356-03-00
Matrix: Solid SDG No.: 5099688
Lab Sample ID: 1117908
Lab File ID: 062614.B\065B6301.D
Instrument: 50GCS8 Percent Moisture: 4.7%

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	PCB-1016 (Aroclor 1016)	69.7	J
11096-82-5	PCB-1260 (Aroclor 1260)	59.1	J

07/21/2014 8:52

Pace Analytical Services, Inc.

PCB by Method 8082A

Data file : \\192.168.50.6\chem\50GCS8.i\062614.b\065b6301.d
 Lab Smp Id: 1117908 Client Smp ID: TMW-5(12-14)MS
 Inj Date : 27-JUN-2014 00:32
 Operator : DMT Inst ID: 50GCS8.i
 Smp Info : 1117908,
 Misc Info : 12740
 Comment : 8082A
 Method : \\192.168.50.6\chem\50GCS8.i\062614.b\8082r.m
 Meth Date : 27-Jun-2014 11:26 50GCS8.i Quant Type: ESTD
 Cal Date : 18-JUN-2014 17:36 Cal File: 017b2701.d
 Als bottle: 65 QC Sample: MS
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: pcbcls.sub
 Target Version: 4.14 Sample Matrix: SOIL
 Processing Host: 50-SVOA-DMTVMXP

Concentration Formula: Amt * DF * Uf * Vt / (Vi * Ws * (100-M) / 100) * CpndVar

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL) (1000 low, 2
Vi	1.000	Volume injected (uL)
Ws	30.200	Weight of sample extracted (g)
M	4.708	% Moisture
Cpnd Variable		Local Compound Variable

CONCENTRATIONS

ON-COL FINAL

RT	EXP RT	DLT RT	RESPONSE	(ug/mL)	(ug/Kg)	TARGET RANGE	RATIO
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\$ 1 Tetrachloro-m-xylene CAS #: 877-09-8
 0.766 0.768 -0.002 8379185 0.11474 39.871

23 Aroclor-1016 CAS #: 12674-11-2

1.291	1.292	-0.001	582087	0.21307	74.039	0.00-	0.00	100.00
1.490	1.489	0.001	1054035	0.18957	65.874	0.00-	0.00	181.08
1.527	1.526	0.001	518672	0.21047	73.135	0.00-	0.00	89.11
1.578	1.579	-0.001	330471	0.19589	68.067	0.00-	0.00	56.77
1.698	1.699	-0.001	472280	0.19426	67.501	0.00-	0.00	81.14
Average of Peak Concentrations =					69.723			

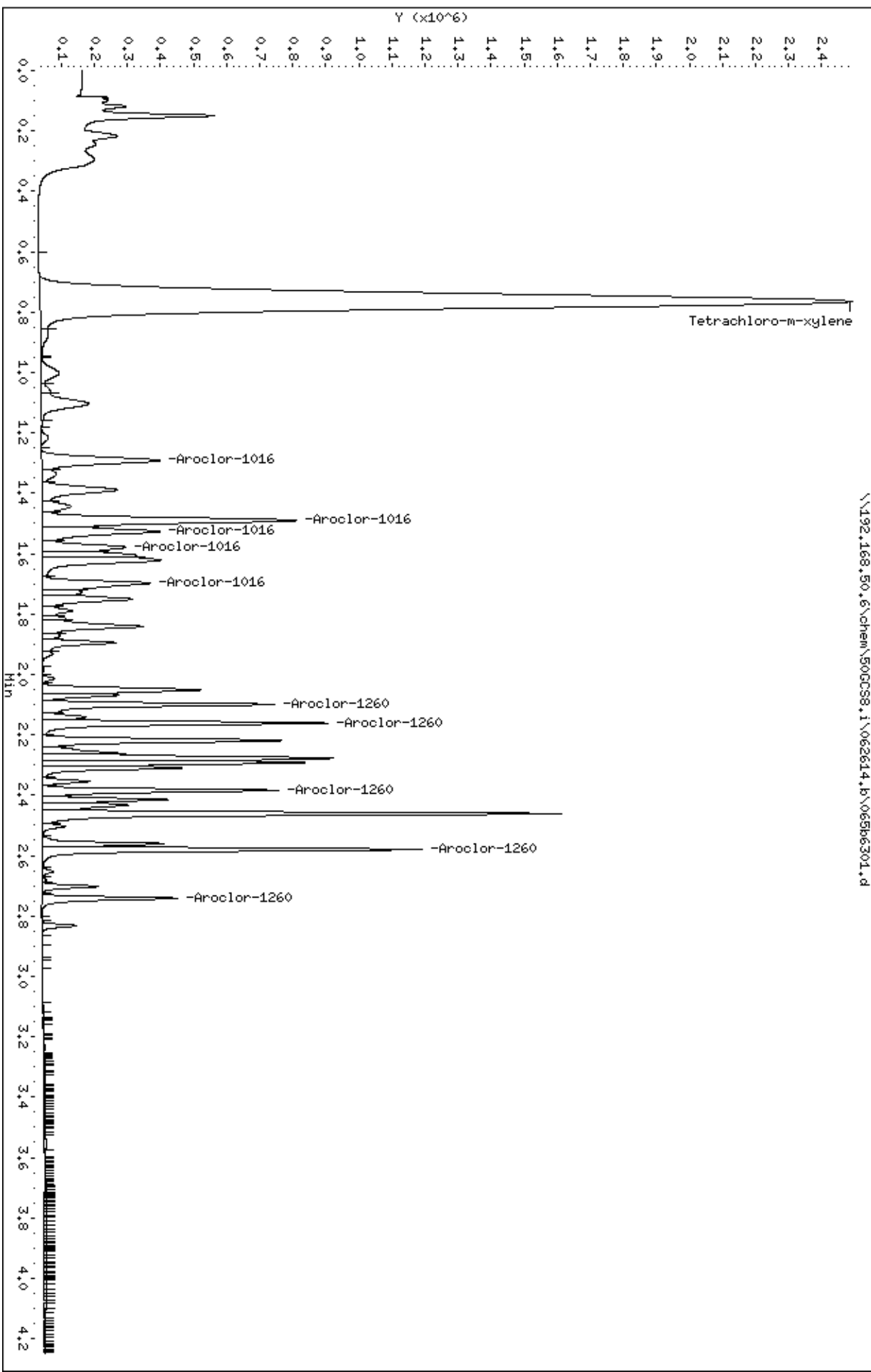
29 Aroclor-1260 CAS #: 11096-82-5

2.099	2.099	0.000	657406	0.17762	61.719	0.00-	0.00	100.00
2.161	2.160	0.001	783282	0.17611	61.194	0.00-	0.00	119.15
2.384	2.384	0.000	608654	0.16740	58.168	0.00-	0.00	92.58
2.579	2.578	0.001	980630	0.16338	56.770	0.00-	0.00	149.17
2.741	2.739	0.002	349646	0.16529	57.435	0.00-	0.00	53.19
Average of Peak Concentrations =					59.057			

Data File: \\192.168.50.6\chem\500CS8.1\062614.b\065B6301.d
Date: 27-JUN-2014 00:32
Client ID: TMM-5(12-14)MS
Sample Info: 1117908,
Volume Injected (uL): 1.0
Column phase:

Instrument: 500CS8.1
Operator: DMT
Column diameter: 0.00

\\192.168.50.6\chem\500CS8.1\062614.b\065B6301.d



PCB - FORM I SVOA-1
SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

MSD

Lab Name: Pace Analytical - Indiana
Date Received: 06/21/2014 10:54
Date Extracted: 06/26/2014 11:14
Date Analyzed: 06/27/2014 00:38
Initial wt/vol: 30.1 g Final wt/vol: 10 mL Dilution: 1

Contract: Sibley-Accucast/2339-356-03-00
Matrix: Solid SDG No.: 5099688
Lab Sample ID: 1117909
Lab File ID: 062614.B\066B6401.D
Instrument: 50GCS8 Percent Moisture: 4.7%

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	PCB-1016 (Aroclor 1016)	145	
11096-82-5	PCB-1260 (Aroclor 1260)	149	

Pace Analytical Services, Inc.

PCB by Method 8082A

Data file : \\192.168.50.6\chem\50GCS8.i\062614.b\066b6401.d
 Lab Smp Id: 1117909 Client Smp ID: TMW-5(12-14)MSD
 Inj Date : 27-JUN-2014 00:38
 Operator : DMT Inst ID: 50GCS8.i
 Smp Info : 1117909,
 Misc Info : 12740
 Comment : 8082A
 Method : \\192.168.50.6\chem\50GCS8.i\062614.b\8082r.m
 Meth Date : 27-Jun-2014 11:26 50GCS8.i Quant Type: ESTD
 Cal Date : 18-JUN-2014 17:36 Cal File: 017b2701.d
 Als bottle: 66 QC Sample: MSD
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: pcbcls.sub
 Target Version: 4.14 Sample Matrix: SOIL
 Processing Host: 50-SVOA-DMTVMXP

Concentration Formula: Amt * DF * Uf * Vt / (Vi * Ws * (100-M) / 100) * CpndVar

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL) (1000 low, 2
Vi	1.000	Volume injected (uL)
Ws	30.100	Weight of sample extracted (g)
M	4.708	% Moisture
Cpnd Variable		Local Compound Variable

CONCENTRATIONS

RT	EXP RT	DLT RT	RESPONSE	ON-COL (ug/mL)	FINAL (ug/Kg)	TARGET RANGE	RATIO
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\$ 1 Tetrachloro-m-xylene CAS #: 877-09-8
 0.767 0.768 -0.001 13211177 0.18091 63.072

23 Aroclor-1016 CAS #: 12674-11-2
 1.293 1.292 0.001 1117619 0.40911 142.630 0.00- 0.00 100.00
 1.491 1.489 0.002 2185709 0.39311 137.054 0.00- 0.00 195.57
 1.527 1.526 0.001 1070836 0.43453 151.494 0.00- 0.00 95.81
 1.580 1.579 0.001 715561 0.42415 147.875 0.00- 0.00 64.03
 1.700 1.699 0.001 1016112 0.41795 145.712 0.00- 0.00 90.92
 Average of Peak Concentrations = 144.953

29 Aroclor-1260 CAS #: 11096-82-5
 2.101 2.099 0.002 1548819 0.41846 145.891 0.00- 0.00 100.00
 2.162 2.160 0.002 1881951 0.42313 147.518 0.00- 0.00 121.51
 2.387 2.384 0.003 1518494 0.41763 145.603 0.00- 0.00 98.04
 2.581 2.578 0.003 2579998 0.42984 149.858 0.00- 0.00 166.58
 2.742 2.739 0.003 946449 0.44742 155.987 0.00- 0.00 61.11
 Average of Peak Concentrations = 148.971

Date: 27-JUN-2014 00:38

Client ID: TMM-5(12-14)MSD

Sample Info: 1117909,

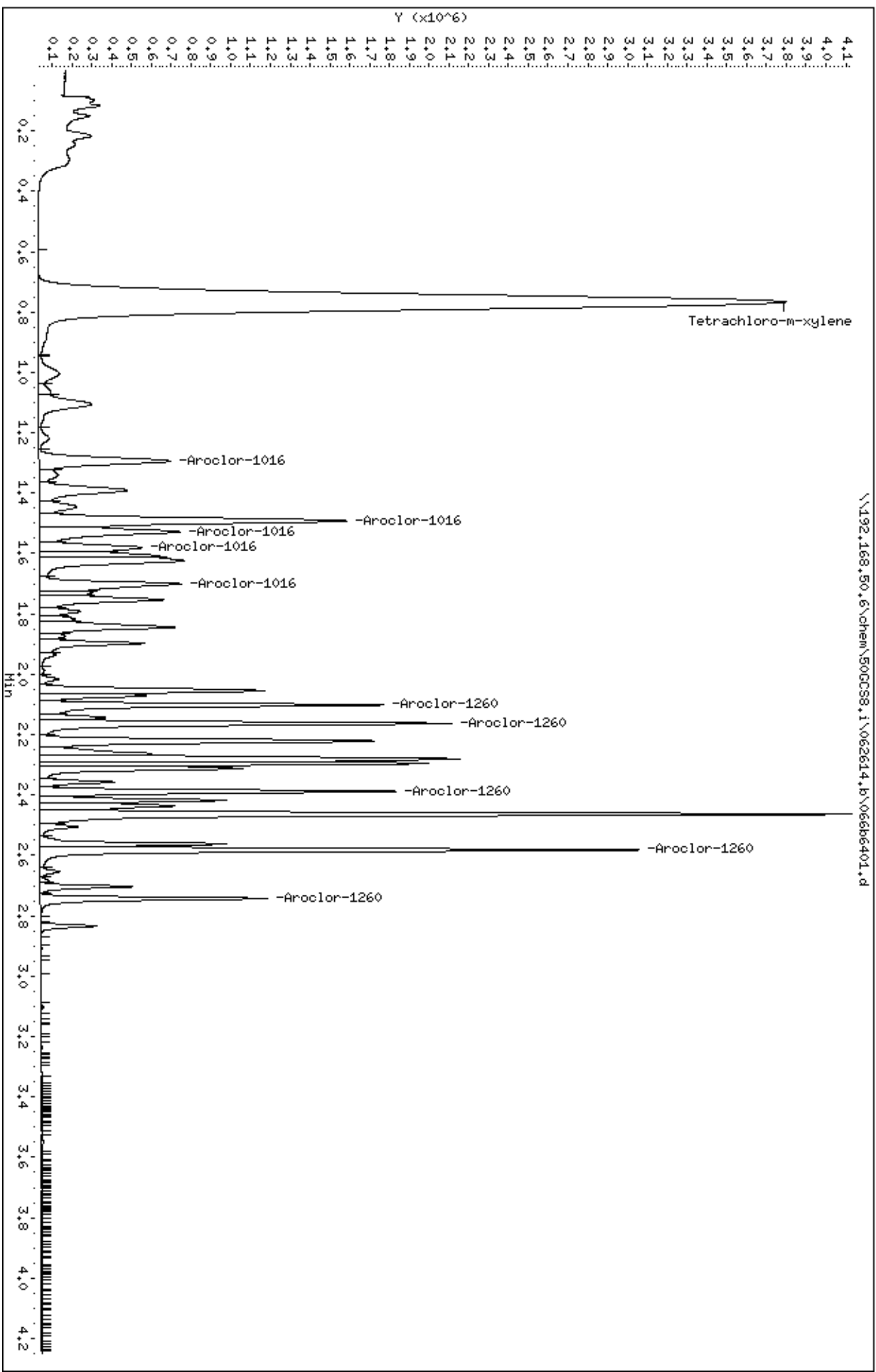
Volume Injected (uL): 1.0

Column phase:

Instrument: 500CS8.1

Operator: DMT

Column diameter: 0.00



PCB - FORM I SVOA-1
SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

MS

Lab Name: Pace Analytical - Indiana
Date Received: 06/21/2014 10:54
Date Extracted: 06/26/2014 11:14
Date Analyzed: 06/27/2014 04:00
Initial wt/vol: 30.1 g Final wt/vol: 10 mL Dilution: 1

Contract: Sibley-Accucast/2339-356-03-00
Matrix: Solid SDG No.: 5099688
Lab Sample ID: 1117948
Lab File ID: 062614.B\099B9901.D
Instrument: 50GCS8 Percent Moisture: 12.9%

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	PCB-1016 (Aroclor 1016)	131	
11096-82-5	PCB-1260 (Aroclor 1260)	131	

Pace Analytical Services, Inc.

PCB by Method 8082A

Data file : \\192.168.50.6\chem\50GCS8.i\062614.b\099b9901.d
 Lab Smp Id: 1117948 Client Smp ID: TMW-6(2-4)MS
 Inj Date : 27-JUN-2014 04:00
 Operator : DMT Inst ID: 50GCS8.i
 Smp Info : 1117948,
 Misc Info : 12742
 Comment : 8082A
 Method : \\192.168.50.6\chem\50GCS8.i\062614.b\8082r.m
 Meth Date : 27-Jun-2014 11:26 50GCS8.i Quant Type: ESTD
 Cal Date : 18-JUN-2014 17:36 Cal File: 017b2701.d
 Als bottle: 99 QC Sample: MS
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: pcbllcs.sub
 Target Version: 4.14 Sample Matrix: SOIL
 Processing Host: 50-SVOA-DMTVMXP

Concentration Formula: Amt * DF * Uf * Vt / (Vi * Ws * (100-M) / 100) * CpndVar

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL) (1000 low, 2
Vi	1.000	Volume injected (uL)
Ws	30.100	Weight of sample extracted (g)
M	12.856	% Moisture
Cpnd Variable		Local Compound Variable

CONCENTRATIONS

RT	EXP RT	DLT RT	RESPONSE	ON-COL (ug/mL)	FINAL (ug/Kg)	TARGET RANGE	RATIO
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\$ 1 Tetrachloro-m-xylene CAS #: 877-09-8
 0.765 0.768 -0.003 10831926 0.14833 56.549

23 Aroclor-1016 CAS #: 12674-11-2
 1.294 1.292 0.002 908893 0.33270 126.838 0.00- 0.00 100.00
 1.490 1.489 0.001 1836254 0.33026 125.907 0.00- 0.00 202.03
 1.527 1.526 0.001 881633 0.35776 136.389 0.00- 0.00 97.00
 1.579 1.579 0.000 589710 0.34955 133.262 0.00- 0.00 64.88
 1.700 1.699 0.001 844238 0.34725 132.385 0.00- 0.00 92.89
 Average of Peak Concentrations = 130.956

29 Aroclor-1260 CAS #: 11096-82-5
 2.101 2.099 0.002 1248553 0.33733 128.604 0.00- 0.00 100.00
 2.161 2.160 0.001 1532759 0.34462 131.380 0.00- 0.00 122.76
 2.386 2.384 0.002 1257407 0.34583 131.842 0.00- 0.00 100.71
 2.579 2.578 0.001 2072722 0.34532 131.650 0.00- 0.00 166.01
 2.741 2.739 0.002 735494 0.34769 132.553 0.00- 0.00 58.91
 Average of Peak Concentrations = 131.206

Date: 27-JUN-2014 04:00

Client ID: TMM-6(2-4)MS

Sample Info: 1117948,

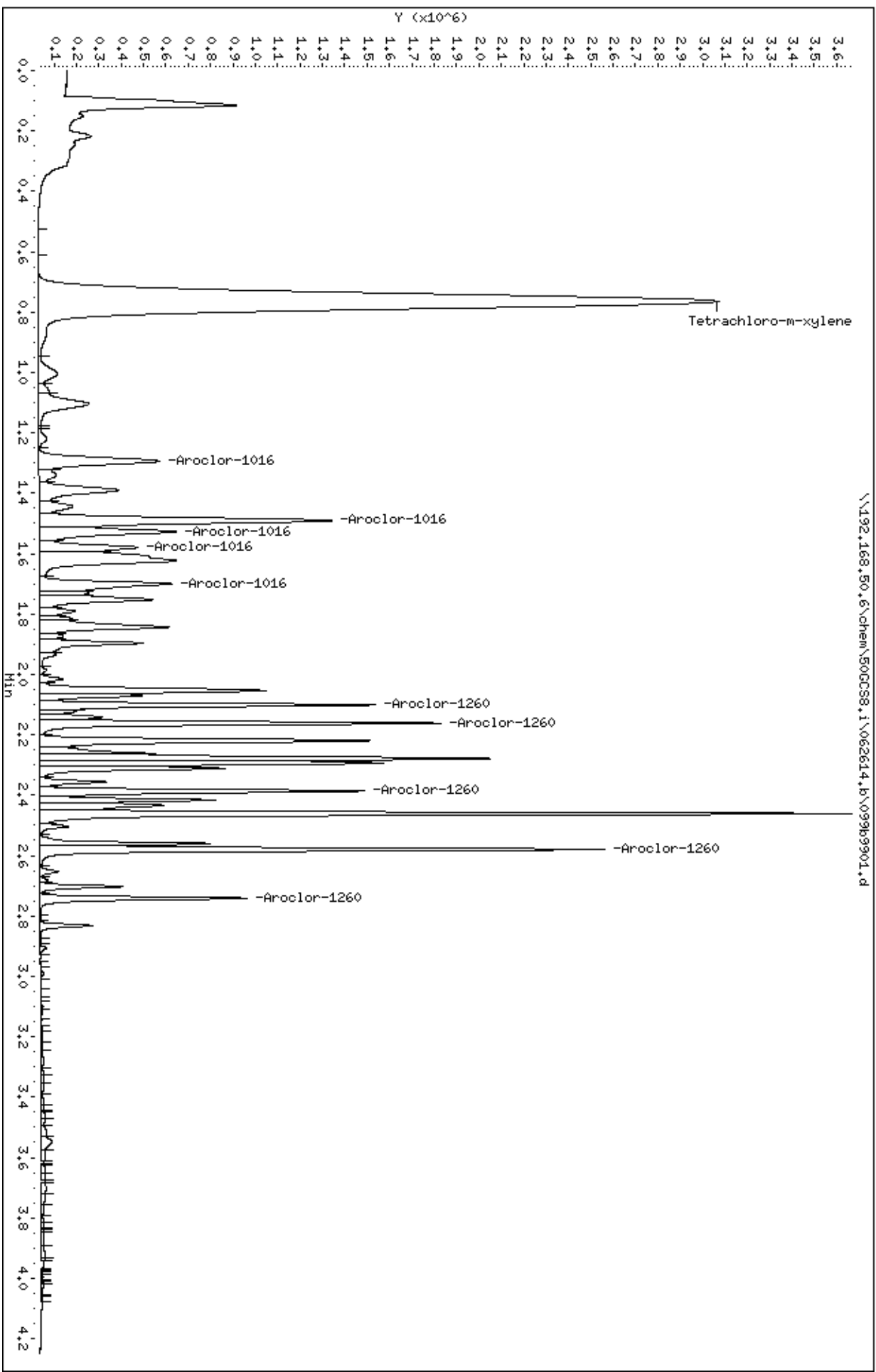
Volume Injected (uL): 1.0

Column phase:

Instrument: 50CCS8.1

Operator: DMT

Column diameter: 0.00



PCB - FORM I SVOA-1
SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

MSD

Lab Name: Pace Analytical - Indiana
Date Received: 06/21/2014 10:54
Date Extracted: 06/26/2014 11:14
Date Analyzed: 06/27/2014 04:06
Initial wt/vol: 30.1 g Final wt/vol: 10 mL Dilution: 1

Contract: Sibley-Accucast/2339-356-03-00
Matrix: Solid SDG No.: 5099688
Lab Sample ID: 1117949
Lab File ID: 062614.B\100BA001.D
Instrument: 50GCS8 Percent Moisture: 12.9%

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	PCB-1016 (Aroclor 1016)	134	
11096-82-5	PCB-1260 (Aroclor 1260)	142	

Pace Analytical Services, Inc.

PCB by Method 8082A

Data file : \\192.168.50.6\chem\50GCS8.i\062614.b\100ba001.d
 Lab Smp Id: 1117949 Client Smp ID: TMW-6(2-4)MSD
 Inj Date : 27-JUN-2014 04:06
 Operator : DMT Inst ID: 50GCS8.i
 Smp Info : 1117949,
 Misc Info : 12742
 Comment : 8082A
 Method : \\192.168.50.6\chem\50GCS8.i\062614.b\8082r.m
 Meth Date : 27-Jun-2014 11:26 50GCS8.i Quant Type: ESTD
 Cal Date : 18-JUN-2014 17:36 Cal File: 017b2701.d
 Als bottle: 100 QC Sample: MSD
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: pcb1cs.sub
 Target Version: 4.14 Sample Matrix: SOIL
 Processing Host: 50-SVOA-DMTVMXP

Concentration Formula: Amt * DF * Uf * Vt / (Vi * Ws * (100-M) / 100) * CpndVar

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL) (1000 low, 2
Vi	1.000	Volume injected (uL)
Ws	30.100	Weight of sample extracted (g)
M	12.856	% Moisture
Cpnd Variable		Local Compound Variable

CONCENTRATIONS

ON-COL FINAL

RT	EXP RT	DLT RT	RESPONSE	(ug/mL)	(ug/Kg)	TARGET RANGE	RATIO
=====	=====	=====	=====	=====	=====	=====	=====

\$ 1 Tetrachloro-m-xylene CAS #: 877-09-8

0.767	0.768	-0.001	11383096	0.15588	59.426		
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23 Aroclor-1016

CAS #: 12674-11-2

1.294	1.292	0.002	985909	0.36089	137.585	0.00-	0.00	100.00
1.491	1.489	0.002	2031449	0.36537	139.291	0.00-	0.00	206.05
1.528	1.526	0.002	860523	0.34919	133.123	0.00-	0.00	87.28
1.579	1.579	0.000	561953	0.33310	126.990	0.00-	0.00	57.00
1.700	1.699	0.001	841150	0.34598	131.901	0.00-	0.00	85.32

Average of Peak Concentrations = 133.778

29 Aroclor-1260

CAS #: 11096-82-5

2.101	2.099	0.002	1323418	0.35756	136.315	0.00-	0.00	100.00
2.162	2.160	0.002	1640255	0.36878	140.594	0.00-	0.00	123.94
2.386	2.384	0.002	1355630	0.37284	142.141	0.00-	0.00	102.43
2.580	2.578	0.002	2282505	0.38027	144.974	0.00-	0.00	172.47
2.741	2.739	0.002	812435	0.38407	146.419	0.00-	0.00	61.39

Average of Peak Concentrations = 142.089

Date: 27-JUN-2014 04:06

Instrument: 50CCS8.1

Client ID: TMM-6(2-4)MSD

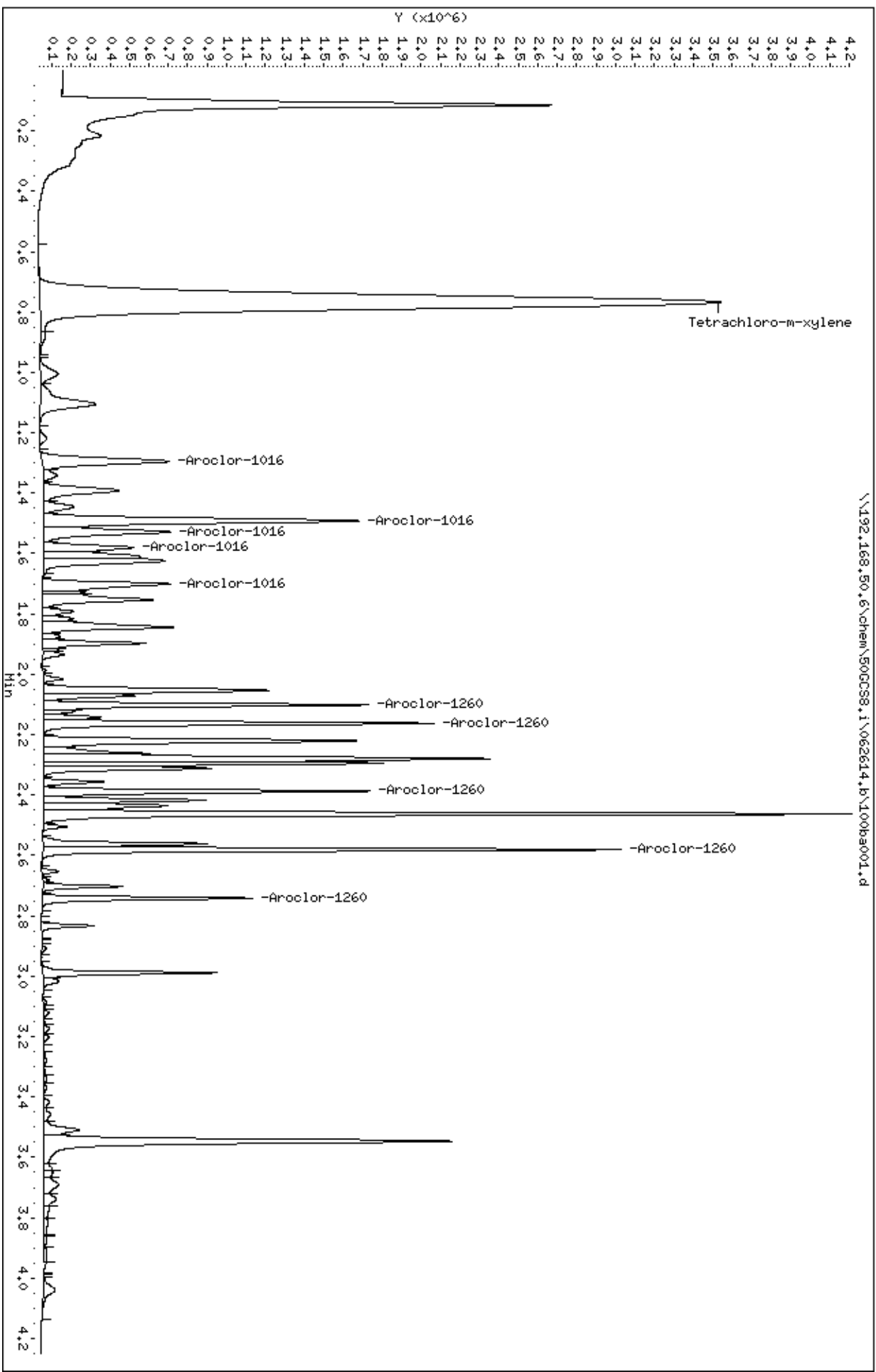
Operator: DMT

Sample Info: 1117949,

Column diameter: 0.00

Volume Injected (uL): 1.0

Column phase:



Batch Information: OEXT 231511 PCB (S)

Prep Method	EPA 3546
Spiked By	KEO
Hexane	69928
Copper 3660B	62782

Analysis Method	EPA 8082
Vialed By	MLD
3:1 Methylene Chloride/Acetone	70599
H2SO4 - Conc.	None Added

Template Version: EF-IN-O-316-Rev.00(11Nov2011)

Extracted By	JGJ
Vialed By Date	06/26/2014 15:11:08:751
Ottawa Sand	62080
Batch Notes	

Extracted By Date	06/26/2014 11:14:36:984
Zyemark	See Log
Sodium Sulfate	70333

Sample Information:

QC Rule	Sample Type	Lab Sample ID	Initial Weight (g)	Final Volume (mL)	Sample Notes	Sig Fig Calc	8081-SS (mL)	8082-SPK (mL)
8082 SMP	BLANK	1117946	30.0	10.0			71251 (1)	
8082 SMP	LCS	1117947	30.0	10.0			71251 (1)	69573 (1)
8082 SMP	PS	5099688004	30.2	10.0			71251 (1)	
8082 SMP	PS	5099688005	30.3	10.0			71251 (1)	
8082 SMP	PS	5099688006	30.1	10.0			71251 (1)	
8082 SMP	PS	5099688007	30.2	10.0			71251 (1)	
8082 SMP	RQS	5099688008	30.0	10.0			71251 (1)	
8082 SMP	MS	1117948	30.1	10.0			71251 (1)	69573 (1)
8082 SMP	MSD	1117949	30.1	10.0			71251 (1)	69573 (1)
8082 SMP	PS	5099576007	30.4	10.0	re-extract		71251 (1)	

Standard Notes:

69573: 1 mL 1016/ 1260 up to 200 mL Acetone

71251: 5 mL TCMX to 500 mL Acetone

Batch Information: OEXT 231006 PCB (W)

PCB Hide Calc	
Extracted By	JGJ
Vialled By Date	06/24/2014 08:43:40:752
Ottawa Sand	None Added
Batch Notes	

Prep Method	EPA 8510
Extracted By Date	06/23/2014 15:00:20:375
Zymark	See Log
Sodium Sulfate	70333

Template Version: EF-IN-O-310-Rev.01(01Mar2012)

Analysis Method	EPA 8082
Spiked By	JGJ
Hexane	69928
Copper 3660B	62782

Vialled By	MLD
Methylene Chloride	70898
H2SO4 - Conc.	56879

Sample Information:

QC Rule	Sample Type	Lab Sample ID	Initial Volume (mL)	Initial pH	Final Volume (mL)	Sample Notes	8081-SS (mL)	8082-SPK (mL)
8082A_W_P	BLANK	1115924	1000	7	10		71251 (1)	
8082A_W_P	LCS	1115925	1000	7	10		71251 (1)	69573 (1)
8082A_W_P	PS	5099633002	990	7	10		71251 (1)	
8082A_W_P	PS	5099633005	990	7	10		71251 (1)	
8082A_W_P	PS	5099633007	980	7	10		71251 (1)	
8082A_W_P	PS	5099633011	980	7	10		71251 (1)	
8082A_W_P	PS	5099633013	980	7	10		71251 (1)	
8082A_W_P	PS	5099685008	980	7	10		71251 (1)	
8082A_W_P	PS	5099685009	960	7	10		71251 (1)	
8082A_W_P	PS	5099685010	970	7	10		71251 (1)	
8082A_W_P	PS	5099685011	960	7	10		71251 (1)	
8082A_W_P	PS	5099685013	980	7	10		71251 (1)	
8082A_W_P	PS	5099685014	980	7	10		71251 (1)	
8082A_W_P	PS	5099685015	980	7	10		71251 (1)	
8082A_W_P	PS	5099685018	970	7	10		71251 (1)	
8082A_W_P	PS	5099688013	850	7	10		71251 (1)	

Standard Notes:

69573: 1 mL 1016/ 1260 up to 200 mL Acetone

71251: 5 mL TCMX to 500 mL Acetone

Batch Information: OEXT 231486 PCB (S)

Prep Method	EPA 3546
Spiked By	KEO
Hexane	69928
Copper 3660B	62782

Analysis Method	EPA 8082
Vialed By	MLD
3:1 Methylene Chloride/Acetone	70599
H2SO4 - Conc.	None Added

Template Version: EF-IN-O-316-Rev.00(11Nov2011)

Extracted By	JGJ
Vialed By Date	06/26/2014 14:49:16:733
Ottawa Sand	62080
Batch Notes	

Extracted By Date	06/26/2014 11:14:49:326
Zymark	See Log
Sodium Sulfate	70333

Sample Information:

QC Rule	Sample Type	Lab Sample ID	Initial Weight (g)	Final Volume (mL)	Sample Notes	Sig Fig Calc	8081-SS (mL)	8082-SPK (mL)
8082 SMP	BLANK	1117906	30.0	10.0			71251 (1)	
8082 SMP	LCS	1117907	30.0	10.0			71251 (1)	69573 (1)
8082 SMP	PS	5099655020	10.4	10.0			71251 (1)	
8082 SMP	PS	5099874001	3.1	10.0	1*		71251 (1)	
8082 SMP	PS	5099773001	30.2	10.0			71251 (1)	
8082 SMP	PS	5099842001	3.4	10.0			71251 (1)	
8082 SMP	PS	5099842002	3.3	10.0			71251 (1)	
8082 SMP	PS	5099842003	3.1	10.0			71251 (1)	
8082 SMP	PS	5099842004	3.1	10.0			71251 (1)	
8082 SMP	PS	5099842005	3.2	10.0			71251 (1)	
8082 SMP	PS	5099842006	3.3	10.0			71251 (1)	
8082 SMP	PS	5099842007	3.3	10.0			71251 (1)	
8082 SMP	PS	5099842008	3.2	10.0			71251 (1)	
8082 SMP	PS	5099842009	3.4	10.0			71251 (1)	
8082 SMP	PS	5099682005	10.2	10.0			71251 (1)	
8082 SMP	PS	5099682006	10.2	10.0			71251 (1)	
8082 SMP	PS	5099682007	10.3	10.0			71251 (1)	
8082 SMP	PS	5099682008	10.0	10.0			71251 (1)	
8082 SMP	PS	5099682009	10.2	10.0			71251 (1)	
8082 SMP	RQS	5099688001	30.2	10.0			71251 (1)	
8082 SMP	MS	1117908	30.2	10.0			71251 (1)	69573 (1)

QC Rule	Sample Type	Lab Sample ID	Initial Weight (g)	Final Volume (mL)	Sample Notes	Sig Fig calc	8081-SS (mL)	8082-SPK (mL)
8082 SMP	MSD	1117909	30.1	10.0			71251 (1)	69573 (1)
8082 SMP	PS	5099688002	30.1	10.0			71251 (1)	
8082 SMP	PS	5099688003	30.4	10.0			71251 (1)	

Sample Notes:

1*: SAMPLE MATRIX

Standard Notes:

69573: 1 mL 1016/ 1260 up to 200 mL Acetone

71251: 5 mL TCMX to 500 mL Acetone

Batch Information: OEXT 231705 PCB (S)

Template Version: EF-IN-O-316-Rev.00(11Nov2011)

Prep Method	EPA 3546	Analysis Method	EPA 8082	Extracted By	JGJ	Extracted By Date	06/27/2014 12:25:20:983
Spiked By	LP	Vialed By	LP	Vialed By Date	06/27/2014 15:29:38:934	Zyemark	See Log
Hexane	69928	3:1 Methylene Chloride/Acetone	70599	Ottawa Sand	62080	Sodium Sulfate	70333
Copper 3660B	62782	H2SO4 - Conc.	None Added	Batch Notes			

Sample Information:

QC Rule	Sample Type	Lab Sample ID	Initial Weight (g)	Final Volume (mL)	Sample Notes	Sig Fig calc	8081-SS (mL)	8082-SPK (mL)
8082 SMP	BLANK	1118946	30.0	10.0			71251 (1)	
8082 SMP	LCS	1118947	30.0	10.0			71251 (1)	69573 (1)
8082 SMP	PS	5099688009	30.1	10.0			71251 (1)	
8082 SMP	PS	5099688010	30.4	10.0			71251 (1)	
8082 SMP	PS	5099688011	30.3	10.0			71251 (1)	
8082 SMP	PS	5099688012	30.3	10.0			71251 (1)	
8082 SMP	PS	5099889001	30.4	10.0			71251 (1)	
8082 SMP	PS	5099889003	30.0	10.0			71251 (1)	
8082 SMP	PS	5099889005	30.2	10.0			71251 (1)	
8082 SMP	PS	5099765001	30.3	10.0			71251 (1)	
8082 SMP	MS	1118948	30.0	10.0			71251 (1)	69573 (1)
8082 SMP	MSD	1118949	30.2	10.0			71251 (1)	69573 (1)
8082 SMP	PS	5099765002	30.2	10.0			71251 (1)	
8082 SMP	PS	5099765003	30.1	10.0			71251 (1)	
8082 SMP	PS	5099765004	30.2	10.0			71251 (1)	
8082 SMP	PS	5099765005	30.3	10.0			71251 (1)	
8082 SMP	PS	5099765006	30.3	10.0			71251 (1)	
8082 SMP	PS	5099765007	30.1	10.0			71251 (1)	
8082 SMP	PS	5099765008	30.3	10.0			71251 (1)	
8082 SMP	PS	5099765009	30.4	10.0			71251 (1)	
8082 SMP	PS	5099765010	30.4	10.0			71251 (1)	

QC Rule	Sample Type	Lab Sample ID	Initial Weight (g)	Final Volume (mL)	Sample Notes	Sig Fig calc	8081-SS (mL)	8082-SPK (mL)
8082 SMP	PS	5099765011	30.4	10.0			71251 (1)	
8082 SMP	PS	5099765012	30.3	10.0			71251 (1)	
8082 SMP	PS	5099765013	30.0	10.0			71251 (1)	

Standard Notes:

69573: 1 mL 1016/1260 up to 200 mL Acetone

71251 : 5 mL TCMX to 500 mL Acetone

INSTRUMENT RUN LOG
Pace Analytical Services, Inc.

Instrument: 50GCS8.i
 Column Om X Omm H2
 Misc. Prep Info [L]:
 Misc. Prep Info [S]:
 ISTD lot:
 Tune std: _____

Method:

Surr. lot:
 Cal. std: _____

Path/File	Smp Info	Mtrx/Batch	Type	DF	Method	Date	Time	Oper	Comments
1/001f0101.d	HEXANE 62052	N/	SAMPLE	1	8082f	6/18/14	14:54	DMT	
1/002b0101.d	HEXANE 62052	N/	SAMPLE	1	8082r	6/18/14	14:54	DMT	
1/001f0201.d	HEXANE 62052	N/	SAMPLE	1	8082f	6/18/14	15:03	DMT	
1/002b0201.d	HEXANE 62052	N/	SAMPLE	1	8082r	6/18/14	15:03	DMT	
1/001f0301.d	HEXANE 62052	N/	SAMPLE	1	8082f	6/18/14	15:18	DMT	
1/002b0301.d	HEXANE 62052	N/	SAMPLE	1	8082r	6/18/14	15:18	DMT	
1/001f0401.d	HEXANE 62052	N/	SAMPLE	1	8082f	6/18/14	15:24	DMT	
1/002b0401.d	HEXANE 62052	N/	SAMPLE	1	8082r	6/18/14	15:24	DMT	
1/001f0501.d	HEXANE 62052	N/	SAMPLE	1	8082f	6/18/14	15:29	DMT	
1/002b0501.d	HEXANE 62052	N/	SAMPLE	1	8082r	6/18/14	15:29	DMT	
1/002b0601.d	HEXANE 62052	N/	SAMPLE	1	8082r	6/18/14	15:35	DMT	
1/021f0601.d	CAL1A, 70987:1	N/	SAMPLE	1	8082f	6/18/14	15:35	DMT	Not for 8082A
1/021b0701.d	CAL1A, 70987:1	N/	SAMPLE	1	8082r	6/18/14	15:41	DMT	DT 6-19-14
1/022f0701.d	CAL2A, 70988:1	N/	SAMPLE	1	8082f	6/18/14	15:41	DMT	
1/022b0801.d	CAL2A, 70988:1	N/	SAMPLE	1	8082r	6/18/14	15:47	DMT	
1/023f0801.d	CAL3A, 70989:1	N/	SAMPLE	1	8082f	6/18/14	15:47	DMT	
1/023b0901.d	CAL3A, 70989:1	N/	SAMPLE	1	8082r	6/18/14	15:52	DMT	
1/024f0901.d	CAL4A, 70990:1	N/	SAMPLE	1	8082f	6/18/14	15:52	DMT	
1/024b1001.d	CAL4A, 70990:1	N/	SAMPLE	1	8082r	6/18/14	15:58	DMT	
1/025f1001.d	CAL5A, 70991:1	N/	SAMPLE	1	8082f	6/18/14	15:58	DMT	
1/025b1101.d	CAL5A, 70991:1	N/	SAMPLE	1	8082r	6/18/14	16:04	DMT	
1/026f1101.d	CAL6A, 70992:1	N/	SAMPLE	1	8082f	6/18/14	16:04	DMT	
1/026b1201.d	CAL6A, 70992:1	N/	SAMPLE	1	8082r	6/18/14	16:10	DMT	
1/027f1201.d	ICV, 70993:1	N/	SAMPLE	1	8082f	6/18/14	16:10	DMT	
1/003f1301.d	1221-CAL6S, 70972	N/12692	CALIB_6	1	8082f	6/18/14	16:16	DMT	
1/027b1301.d	ICV, 70993:1	N/	SAMPLE	1	8082r	6/18/14	16:16	DMT	Not for 8082A
1/003b1401.d	1221-CAL6S, 70972	N/12692	CALIB_6	1	8082r	6/18/14	16:21	DMT	
1/004f1401.d	1232-CAL4S, 70973	N/12692	CALIB_4	1	8082f	6/18/14	16:21	DMT	
1/004b1501.d	1232-CAL4S, 70973	N/12692	CALIB_4	1	8082r	6/18/14	16:27	DMT	
1/005f1501.d	1242-CAL4S, 70974	N/12692	CALIB_4	1	8082f	6/18/14	16:27	DMT	
1/005b1601.d	1242-CAL4S, 70974	N/12692	CALIB_4	1	8082r	6/18/14	16:33	DMT	
1/006f1601.d	1248-CAL4S, 70975	N/12692	CALIB_4	1	8082f	6/18/14	16:33	DMT	
1/006b1701.d	1248-CAL4S, 70975	N/12692	CALIB_4	1	8082r	6/18/14	16:39	DMT	

608
only
1242
CAL

↓

Not for 8082A
DT 6-19-14

DT 6-19-14

File Path 1: \\192.168.50.6\chem\50GCS8.i\061814cal.b
 Matrix Codes: [G]as, [L]iquid, [S]olid, [N]one
 Report Date: 14:10 06/19/2014

INSTRUMENT RUN LOG
Pace Analytical Services, Inc.

Instrument: 50GCS8.i
 Column Om X Omm H2
 Misc. Prep Info [L]:
 Misc. Prep Info [S]:
 ISTD lot:
 Tune std: _____

Method:

Surr. lot:
 Cal. std: _____

Path/File	Smp Info	Mtrx/Batch	Type	DF	Method	Date	Time	Oper	Comments
1/007f1701.d	1254-CAL4S,70976	N/12692	CALIB_4	1	8082f	6/18/14	16:39	DMT	
1/007b1801.d	1254-CAL4S,70976	N/12692	CALIB_4	1	8082r	6/18/14	16:44	DMT	
1/008f1801.d	1262-CAL4S,70977	N/12692	CALIB_4	1	8082f	6/18/14	16:44	DMT	
1/008b1901.d	1262-CAL4S,70977	N/12692	CALIB_4	1	8082r	6/18/14	16:50	DMT	
1/009f1901.d	1268-CAL4S,70978	N/12692	CALIB_4	1	8082f	6/18/14	16:50	DMT	
1/009b2001.d	1268-CAL4S,70978	N/12692	CALIB_4	1	8082r	6/18/14	16:56	DMT	
1/011f2001.d	CAL1A,70979:1	N/12692	CALIB_1	1	8082f	6/18/14	16:56	DMT	
1/011b2101.d	CAL1A,70979:1	N/12692	CALIB_1	1	8082r	6/18/14	17:02	DMT	
1/012f2101.d	CAL2A,70980:1	N/12692	CALIB_2	1	8082f	6/18/14	17:02	DMT	
1/012b2201.d	CAL2A,70980:1	N/12692	CALIB_2	1	8082r	6/18/14	17:08	DMT	
1/013f2201.d	CAL3A,70981:1	N/12692	CALIB_3	1	8082f	6/18/14	17:08	DMT	
1/013b2301.d	CAL3A,70981:1	N/12692	CALIB_3	1	8082r	6/18/14	17:13	DMT	
1/014f2301.d	CAL4A,70982:1	N/12692	CALIB_4	1	8082f	6/18/14	17:13	DMT	
1/014b2401.d	CAL4A,70982:1	N/12692	CALIB_4	1	8082r	6/18/14	17:19	DMT	
1/015f2401.d	CAL5A,70983:1	N/12692	CALIB_5	1	8082f	6/18/14	17:19	DMT	
1/015b2501.d	CAL5A,70983:1	N/12692	CALIB_5	1	8082r	6/18/14	17:25	DMT	
1/016f2501.d	CAL6A,70984:1	N/12692	CALIB_6	1	8082f	6/18/14	17:25	DMT	
1/016b2601.d	CAL6A,70984:1	N/12692	CALIB_6	1	8082r	6/18/14	17:31	DMT	
1/017f2601.d	CAL7A,71044:1	N/12692	CALIB_7	1	8082f	6/18/14	17:31	DMT	ICAL Avg RF 5 ppm on col
1/017b2701.d	CAL7A,71044:1	N/12692	CALIB_7	1	8082r	6/18/14	17:36	DMT	ICAL Avg RF 5 ppm on col
1/018f2701.d	ICV,70985:1	N/12692	CCALIB_4	1	8082f	6/18/14	17:36	DMT	Good
1/018b2801.d	ICV,70985:1	N/12692	CCALIB_4	1	8082r	6/18/14	17:42	DMT	Good
1/031f2801.d	1112155,	L/12685	BLANK	1	8082f	6/18/14	17:42	DMT	
1/031b2901.d	1112155,	L/12685	BLANK	1	8082r	6/18/14	17:48	DMT	/
1/032f2901.d	1112156,	L/12685	LCS	1	8082f	6/18/14	17:48	DMT	
1/032b3001.d	1112156,	L/12685	LCS	1	8082r	6/18/14	17:54	DMT	/
1/033f3001.d	5099276001,	L/12685	SAMPLE	1	8082f	6/18/14	17:54	DMT	
1/033b3101.d	5099276001,	L/12685	SAMPLE	1	8082r	6/18/14	17:59	DMT	/
1/034f3101.d	5099276002,	L/12685	SAMPLE	1	8082f	6/18/14	17:59	DMT	
1/034b3201.d	5099276002,	L/12685	SAMPLE	1	8082r	6/18/14	18:05	DMT	/
1/035f3201.d	5099276003,	L/12685	SAMPLE	1	8082f	6/18/14	18:05	DMT	
1/035b3301.d	5099276003,	L/12685	SAMPLE	1	8082r	6/18/14	18:11	DMT	/
1/036f3301.d	5099276004,	L/12685	SAMPLE	1	8082f	6/18/14	18:11	DMT	

File Path 1: \\192.168.50.6\chem\50GCS8.i\061814cal.b
 Matrix Codes: [G]as, [L]iquid, [S]olid, [N]one
 Report Date: 14:10 06/19/2014

DT 6-19-14

INSTRUMENT RUN LOG
Pace Analytical Services, Inc.

Instrument: 50GCS8.i
 Column 0m X 0mm H2
 Misc. Prep Info [L]:
 Misc. Prep Info [S]:
 ISTD lot:
 Tune std: _____

Method:

Surr. lot:
 Cal. std: _____

Path/File	Smp Info	Mtrx/Batch	Type	DF	Method	Date	Time	Oper	Comments
1/036b3401.d	5099276004,	L/12685	SAMPLE	1	8082r	6/18/14	18:17	DMT	✓
1/037f3401.d	5099277001,	L/12685	SAMPLE	1	8082f	6/18/14	18:17	DMT	
1/037b3501.d	5099277001,	L/12685	SAMPLE	1	8082r	6/18/14	18:23	DMT	✓
1/038f3501.d	1112157,	L/12685	MS	1	8082f	6/18/14	18:23	DMT	
1/038b3601.d	1112157,	L/12685	MS	1	8082r	6/18/14	18:28	DMT	✓
1/039f3601.d	1112158,	L/12685	MSD	1	8082f	6/18/14	18:28	DMT	
1/039b3701.d	1112158,	L/12685	MSD	1	8082r	6/18/14	18:34	DMT	✓
1/040f3701.d	5099277002,	L/12685	SAMPLE	1	8082f	6/18/14	18:34	DMT	
1/040b3801.d	5099277002,	L/12685	SAMPLE	1	8082r	6/18/14	18:40	DMT	✓
1/041f3801.d	5099277003,	L/12685	SAMPLE	1	8082f	6/18/14	18:40	DMT	
1/041b3901.d	5099277003,	L/12685	SAMPLE	1	8082r	6/18/14	18:46	DMT	✓
1/042f3901.d	5099277004,	L/12685	SAMPLE	1	8082f	6/18/14	18:46	DMT	
1/042b4001.d	5099277004,	L/12685	SAMPLE	1	8082r	6/18/14	18:51	DMT	✓
1/043f4001.d	5099277005,	L/12685	SAMPLE	1	8082f	6/18/14	18:51	DMT	
1/043b4101.d	5099277005,	L/12685	SAMPLE	1	8082r	6/18/14	18:57	DMT	✓
1/044f4101.d	5099277006,	L/12685	SAMPLE	1	8082f	6/18/14	18:57	DMT	
1/044b4201.d	5099277006,	L/12685	SAMPLE	1	8082r	6/18/14	19:03	DMT	✓
1/045f4201.d	5099277007,	L/12685	SAMPLE	1	8082f	6/18/14	19:03	DMT	
1/045b4301.d	5099277007,	L/12685	SAMPLE	1	8082r	6/18/14	19:09	DMT	✓
1/046f4301.d	5099277008,	L/12685	SAMPLE	1	8082f	6/18/14	19:09	DMT	
1/046b4401.d	5099277008,	L/12685	SAMPLE	1	8082r	6/18/14	19:14	DMT	✓
1/047f4401.d	5099277009,	L/12685	SAMPLE	1	8082f	6/18/14	19:14	DMT	
1/047b4501.d	5099277009,	L/12685	SAMPLE	1	8082r	6/18/14	19:20	DMT	✓
1/048f4501.d	5099277010,	L/12685	SAMPLE	1	8082f	6/18/14	19:20	DMT	
1/019f4601.d	CCV, 70986:1	N/12692	CCALIB_4	1	8082f	6/18/14	19:26	DMT	good
1/048b4601.d	5099277010,	L/12685	SAMPLE	1	8082r	6/18/14	19:26	DMT	✓
1/019b4701.d	CCV, 70986:1	N/12692	CCALIB_4	1	8082r	6/18/14	19:32	DMT	good
1/049f4701.d	1110279,	S/12686	BLANK	1	8082f	6/18/14	19:32	DMT	
1/049b4801.d	1110279,	S/12686	BLANK	1	8082r	6/18/14	19:38	DMT	✓
1/050f4801.d	1110280,	S/12686	LCS	1	8082f	6/18/14	19:38	DMT	
1/050b4901.d	1110280,	S/12686	LCS	1	8082r	6/18/14	19:43	DMT	✓
1/051f4901.d	5099168001,	S/12686	SAMPLE	1	8082f	6/18/14	19:43	DMT	No Pattern match
1/051b5001.d	5099168001,	S/12686	SAMPLE	1	8082r	6/18/14	19:49	DMT	✓

File Path 1: \\192.168.50.6\chem\50GCS8.i\061814cal.b
 Matrix Codes: [G]as, [L]iquid, [S]olid, [N]one
 Report Date: 14:10 06/19/2014

DT 6-19-14

INSTRUMENT RUN LOG
Pace Analytical Services, Inc.

Instrument: 50GCS8.i
 Column 0m X 0mm H2
 Misc. Prep Info [L]:
 Misc. Prep Info [S]:
 ISTD lot:
 Tune std: _____

Method:

Surr. lot: _____
 Cal. std: _____

Path/File	Smp Info	Mtrx/Batch	Type	DF	Method	Date	Time	Oper	Comments
1/052f5001.d	1110281,	S/12686	MS	1	8082f	6/18/14	19:49	DMT	
1/052b5101.d	1110281,	S/12686	MS	1	8082r	6/18/14	19:55	DMT	/
1/053f5101.d	1110282,	S/12686	MSD	1	8082f	6/18/14	19:55	DMT	
1/053b5201.d	1110282,	S/12686	MSD	1	8082r	6/18/14	20:01	DMT	/
1/054f5201.d	5099189001,	S/12686	SAMPLE	1	8082f	6/18/14	20:01	DMT	
1/054b5301.d	5099189001,	S/12686	SAMPLE	1	8082r	6/18/14	20:06	DMT	/
1/055f5301.d	5099189002,	S/12686	SAMPLE	1	8082f	6/18/14	20:06	DMT	
1/055b5401.d	5099189002,	S/12686	SAMPLE	1	8082r	6/18/14	20:12	DMT	/
1/056f5401.d	5099189010,	S/12686	SAMPLE	1	8082f	6/18/14	20:12	DMT	
1/056b5501.d	5099189010,	S/12686	SAMPLE	1	8082r	6/18/14	20:18	DMT	/
1/057f5501.d	5099189011,	S/12686	SAMPLE	1	8082f	6/18/14	20:18	DMT	
1/057b5601.d	5099189011,	S/12686	SAMPLE	1	8082r	6/18/14	20:24	DMT	/
1/058f5601.d	5099189012,	S/12686	SAMPLE	1	8082f	6/18/14	20:24	DMT	
1/019f5701.d	CCV, 70986:1	N/12692	CCALIB_4	1	8082f	6/18/14	20:29	DMT	good
1/058b5701.d	5099189012,	S/12686	SAMPLE	1	8082r	6/18/14	20:29	DMT	/
1/019b5801.d	CCV, 70986:1	N/12692	CCALIB_4	1	8082r	6/18/14	20:35	DMT	good
1/059f5801.d	1111921,	S/12687	BLANK	1	8082f	6/18/14	20:35	DMT	
1/059b5901.d	1111921,	S/12687	BLANK	1	8082r	6/18/14	20:41	DMT	/
1/060f5901.d	1111922,	S/12687	LCS	1	8082f	6/18/14	20:41	DMT	
1/060b6001.d	1111922,	S/12687	LCS	1	8082r	6/18/14	20:47	DMT	/
1/061f6001.d	5099273004,	S/12687	SAMPLE	1	8082f	6/18/14	20:47	DMT	Copper clean
1/061b6101.d	5099273004,	S/12687	SAMPLE	1	8082r	6/18/14	20:53	DMT	↓
1/062f6101.d	1111923,	S/12687	MS	1	8082f	6/18/14	20:53	DMT	
1/062b6201.d	1111923,	S/12687	MS	1	8082r	6/18/14	20:58	DMT	
1/063f6201.d	1111924,	S/12687	MSD	1	8082f	6/18/14	20:58	DMT	
1/063b6301.d	1111924,	S/12687	MSD	1	8082r	6/18/14	21:04	DMT	
1/064f6301.d	5099273005,	S/12687	SAMPLE	1	8082f	6/18/14	21:04	DMT	
1/064b6401.d	5099273005,	S/12687	SAMPLE	1	8082r	6/18/14	21:10	DMT	
1/065f6401.d	5099273006,	S/12687	SAMPLE	1	8082f	6/18/14	21:10	DMT	
1/065b6501.d	5099273006,	S/12687	SAMPLE	1	8082r	6/18/14	21:16	DMT	
1/066f6501.d	5099336015,	S/12687	SAMPLE	1	8082f	6/18/14	21:16	DMT	
1/066b6601.d	5099336015,	S/12687	SAMPLE	1	8082r	6/18/14	21:21	DMT	/
1/067f6601.d	5099336016,	S/12687	SAMPLE	1	8082f	6/18/14	21:21	DMT	

File Path 1: \\192.168.50.6\chem\50GCS8.i\061814cal.b
 Matrix Codes: [G]as, [L]iquid, [S]olid, [N]one
 Report Date: 14:10 06/19/2014

DT 6-19-14

INSTRUMENT RUN LOG
Pace Analytical Services, Inc.

Instrument: 50GCS8.i
 Column 0m X 0mm H2
 Misc. Prep Info [L]:
 Misc. Prep Info [S]:
 ISTD lot:
 Tune std: _____

Method:

Surr. lot:
 Cal. std: _____

Path/File	Smp Info	Mtrx/Batch	Type	DF	Method	Date	Time	Oper	Comments
1/067b6701.d	5099336016,	S/12687	SAMPLE	1	8082r	6/18/14	21:27	DMT	✓
1/068f6701.d	5099336017,	S/12687	SAMPLE	1	8082f	6/18/14	21:27	DMT	
1/068b6801.d	5099336017,	S/12687	SAMPLE	1	8082r	6/18/14	21:33	DMT	✓
1/069f6801.d	5099336018,	S/12687	SAMPLE	1	8082f	6/18/14	21:33	DMT	<i>Copper clean</i>
1/069b6901.d	5099336018,	S/12687	SAMPLE	1	8082r	6/18/14	21:39	DMT	↓
1/070f6901.d	5099336019,	S/12687	SAMPLE	1	8082f	6/18/14	21:39	DMT	
1/070b7001.d	5099336019,	S/12687	SAMPLE	1	8082r	6/18/14	21:45	DMT	✓
1/071f7001.d	5099336020,	S/12687	SAMPLE	1	8082f	6/18/14	21:45	DMT	
1/071b7101.d	5099336020,	S/12687	SAMPLE	1	8082r	6/18/14	21:50	DMT	✓
1/072f7101.d	5099336021,	S/12687	SAMPLE	1	8082f	6/18/14	21:50	DMT	<i>Copper clean</i>
1/072b7201.d	5099336021,	S/12687	SAMPLE	1	8082r	6/18/14	21:56	DMT	↓
1/073f7201.d	5099336022,	S/12687	SAMPLE	1	8082f	6/18/14	21:56	DMT	
1/019f7301.d	CCV, 70986:1	N/12692	CCALIB_4	1	8082f	6/18/14	22:02	DMT	<i>good</i>
1/073b7301.d	5099336022,	S/12687	SAMPLE	1	8082r	6/18/14	22:02	DMT	✓
1/019b7401.d	CCV, 70986:1	N/12692	CCALIB_4	1	8082r	6/18/14	22:08	DMT	<i>good</i>
1/074f7401.d	1110776,	S/12688	BLANK	1	8082f	6/18/14	22:08	DMT	
1/001f7501.d	HEXANE 62052	N/	SAMPLE	1	8082f	6/18/14	22:13	DMT	
1/074b7501.d	1110776,	S/12688	BLANK	1	8082r	6/18/14	22:13	DMT	✓
1/002b7601.d	HEXANE 62052	N/	SAMPLE	1	8082r	6/18/14	22:19	DMT	
1/075f7601.d	1110777,	S/12688	LCS	1	8082f	6/18/14	22:19	DMT	
1/001f7701.d	HEXANE 62052	N/	SAMPLE	1	8082f	6/18/14	22:25	DMT	
1/075b7701.d	1110777,	S/12688	LCS	1	8082r	6/18/14	22:25	DMT	✓
1/002b7801.d	HEXANE 62052	N/	SAMPLE	1	8082r	6/18/14	22:31	DMT	
1/076f7801.d	5099257001,	S/12688	SAMPLE	1	8082f	6/18/14	22:31	DMT	<i>do not report - matrix</i>
1/001f7901.d	HEXANE 62052	N/	SAMPLE	1	8082f	6/18/14	22:37	DMT	
1/076b7901.d	5099257001,	S/12688	SAMPLE	1	8082r	6/18/14	22:37	DMT	↓
1/002b8001.d	HEXANE 62052	N/	SAMPLE	1	8082r	6/18/14	22:42	DMT	
1/077f8001.d	5099257001x10,	S/12688	SAMPLE	10	8082f	6/18/14	22:42	DMT	
1/001f8101.d	HEXANE 62052	N/	SAMPLE	1	8082f	6/18/14	22:48	DMT	
1/077b8101.d	5099257001x10,	S/12688	SAMPLE	10	8082r	6/18/14	22:48	DMT	✓
1/002b8201.d	HEXANE 62052	N/	SAMPLE	1	8082r	6/18/14	22:54	DMT	
1/078f8201.d	5099257002,	S/12688	SAMPLE	1	8082f	6/18/14	22:54	DMT	<i>do not report (matrix)</i>
1/001f8301.d	HEXANE 62052	N/	SAMPLE	1	8082f	6/18/14	23:00	DMT	

File Path 1: \\192.168.50.6\chem\50GCS8.i\061814cal.b
 Matrix Codes: [G]as, [L]iquid, [S]olid, [N]one
 Report Date: 14:10 06/19/2014

DT 6-19-14

INSTRUMENT RUN LOG
Pace Analytical Services, Inc.

Instrument: 50GCS8.i
 Column 0m X 0mm H2
 Misc. Prep Info [L]:
 Misc. Prep Info [S]:
 ISTD lot:
 Tune std: _____

Method:

Surr. lot:
 Cal. std: _____

Path/File	Smp Info	Mtrx/Batch	Type	DF	Method	Date	Time	Oper	Comments
1/078b8301.d	5099257002,	S/12688	SAMPLE	1	8082r	6/18/14	23:00	DMT	<u>do not report (matrix)</u>
1/002b8401.d	HEXANE 62052	N/	SAMPLE	1	8082r	6/18/14	23:05	DMT	
1/079f8401.d	5099257002x10,	S/12688	SAMPLE	10	8082f	6/18/14	23:05	DMT	<u>1254</u>
1/001f8501.d	HEXANE 62052	N/	SAMPLE	1	8082f	6/18/14	23:11	DMT	
1/079b8501.d	5099257002x10,	S/12688	SAMPLE	10	8082r	6/18/14	23:11	DMT	<u>1254</u>
1/002b8601.d	HEXANE 62052	N/	SAMPLE	1	8082r	6/18/14	23:17	DMT	
1/019f8601.d	CCV,70986:1	N/12692	CCALIB_4	1	8082f	6/18/14	23:17	DMT	<u>good</u>
1/001f8701.d	HEXANE 62052	N/	SAMPLE	1	8082f	6/18/14	23:23	DMT	
1/019b8701.d	CCV,70986:1	N/12692	CCALIB_4	1	8082r	6/18/14	23:23	DMT	<u>good</u>

DT 6-19-14

File Path 1: \\192.168.50.6\chem\50GCS8.i\061814cal.b
 Matrix Codes: [G]as, [L]iquid, [S]olid, [N]one
 Report Date: 14:10 06/19/2014

INSTRUMENT RUN LOG
Pace Analytical Services, Inc.

Instrument: 50GCS8.i
 Column DB-35MS 15m X 0.32mm H2
 Misc. Prep Info [L]:
 Misc. Prep Info [S]:
 ISTD lot:
 Tune std: _____

Method:

 Surr. lot:
 Cal. std: _____

Path/File	Smp Info	Mtrx/Batch	Type	DF	Method	Date	Time	Oper	Comments
1/001f0101.d	HEXANE 62052	N/	SAMPLE	1	8082f	6/23/14	00:43	DMT	
1/002b0101.d	HEXANE 62052	N/	SAMPLE	1	8082r	6/23/14	00:43	DMT	
1/001f0201.d	HEXANE 62052	N/	SAMPLE	1	8082f	6/23/14	00:52	DMT	
1/002b0201.d	HEXANE 62052	N/	SAMPLE	1	8082r	6/23/14	00:52	DMT	
1/001f0301.d	HEXANE 62052	N/	SAMPLE	1	8082f	6/23/14	01:07	DMT	
1/002b0301.d	HEXANE 62052	N/	SAMPLE	1	8082r	6/23/14	01:07	DMT	
1/001f0401.d	HEXANE 62052	N/	SAMPLE	1	8082f	6/23/14	01:12	DMT	
1/002b0401.d	HEXANE 62052	N/	SAMPLE	1	8082r	6/23/14	01:12	DMT	
1/001f0501.d	HEXANE 62052	N/	SAMPLE	1	8082f	6/23/14	01:18	DMT	
1/002b0501.d	HEXANE 62052	N/	SAMPLE	1	8082r	6/23/14	01:18	DMT	
1/002b0601.d	HEXANE 62052	N/	SAMPLE	1	8082r	6/23/14	01:24	DMT	
1/011f0601.d	CCV, 71159:1	N/12692	CCALIB_4	1	8082f	6/23/14	01:24	DMT	good
1/003f0701.d	1221 1000 ppb	N/	SAMPLE	1	8082f	6/23/14	01:30	DMT	for reference only
1/011b0701.d	CCV, 71159:1	N/12692	CCALIB_4	1	8082r	6/23/14	01:30	DMT	good
1/003b0801.d	1221 1000 ppb	N/	SAMPLE	1	8082r	6/23/14	01:35	DMT	
1/004f0801.d	1232 500 ppb	N/	SAMPLE	1	8082f	6/23/14	01:35	DMT	
1/004b0901.d	1232 500 ppb	N/	SAMPLE	1	8082r	6/23/14	01:41	DMT	
1/005f0901.d	1242 500 ppb	N/	SAMPLE	1	8082f	6/23/14	01:41	DMT	
1/005b1001.d	1242 500 ppb	N/	SAMPLE	1	8082r	6/23/14	01:47	DMT	
1/006f1001.d	1248 500 ppb	N/	SAMPLE	1	8082f	6/23/14	01:47	DMT	
1/006b1101.d	1248 500 ppb	N/	SAMPLE	1	8082r	6/23/14	01:53	DMT	
1/007f1101.d	1254 500 ppb	N/	SAMPLE	1	8082f	6/23/14	01:53	DMT	
1/007b1201.d	1254 500 ppb	N/	SAMPLE	1	8082r	6/23/14	01:58	DMT	
1/008f1201.d	1262 500 ppb	N/	SAMPLE	1	8082f	6/23/14	01:58	DMT	
1/008b1301.d	1262 500 ppb	N/	SAMPLE	1	8082r	6/23/14	02:04	DMT	
1/009f1301.d	1268 500 ppb	N/	SAMPLE	1	8082f	6/23/14	02:04	DMT	
1/009b1401.d	1268 500 ppb	N/	SAMPLE	1	8082r	6/23/14	02:10	DMT	
1/011f1401.d	CCV, 71159:1	N/12692	CCALIB_4	1	8082f	6/23/14	02:10	DMT	good
1/011b1501.d	CCV, 71159:1	N/12692	CCALIB_4	1	8082r	6/23/14	02:16	DMT	good
1/021f1501.d	1113413,	N/12700	BLANK	1	8082f	6/23/14	02:16	DMT	
1/021b1601.d	1113413,	N/12700	BLANK	1	8082r	6/23/14	02:21	DMT	✓
1/022f1601.d	1113414,	N/12700	LCS	1	8082f	6/23/14	02:21	DMT	
1/022b1701.d	1113414,	N/12700	LCS	1	8082r	6/23/14	02:27	DMT	✓

File Path 1: \\192.168.50.6\chem\50GCS8.i\062314.b
 Matrix Codes: [G]as, [L]iquid, [S]olid, [N]one
 Report Date: 14:19 06/24/2014

DT 6-24-14
 Page: 1

INSTRUMENT RUN LOG
Pace Analytical Services, Inc.

Instrument: 50GCS8.i
 Column DB-35MS 15m X 0.32mm H2
 Misc. Prep Info [L]:
 Misc. Prep Info [S]:
 ISTD lot:
 Tune std: _____

Method:

 Surr. lot:
 Cal. std: _____

Path/File	Smp Info	Mtrx/Batch	Type	DF	Method	Date	Time	Oper	Comments
1/023f1701.d	5099449001x50,	N/12700	SAMPLE	50	8082f	6/23/14	02:27	DMT	20x more
1/023b1801.d	5099449001x50,	N/12700	SAMPLE	50	8082r	6/23/14	02:33	DMT	↓
1/024f1801.d	5099449002x50,	N/12700	SAMPLE	50	8082f	6/23/14	02:33	DMT	1254
1/024b1901.d	5099449002x50,	N/12700	SAMPLE	50	8082r	6/23/14	02:39	DMT	✓ 1254
1/025f1901.d	5099449003x50,	N/12700	SAMPLE	50	8082f	6/23/14	02:39	DMT	10x more
1/025b2001.d	5099449003x50,	N/12700	SAMPLE	50	8082r	6/23/14	02:45	DMT	↓
1/026f2001.d	5099449004,	N/12700	SAMPLE	1	8082f	6/23/14	02:45	DMT	5x
1/026b2101.d	5099449004,	N/12700	SAMPLE	1	8082r	6/23/14	02:50	DMT	↓
1/027f2101.d	5099449005x50,	N/12700	SAMPLE	50	8082f	6/23/14	02:50	DMT	
1/027b2201.d	5099449005x50,	N/12700	SAMPLE	50	8082r	6/23/14	02:56	DMT	✓ D3/S4
1/028f2201.d	5099449006x20,	N/12700	SAMPLE	20	8082f	6/23/14	02:56	DMT	
1/028b2301.d	5099449006x20,	N/12700	SAMPLE	20	8082r	6/23/14	03:02	DMT	✓ D3/S4
1/029f2301.d	5099449007x20,	N/12700	SAMPLE	20	8082f	6/23/14	03:02	DMT	1254
1/029b2401.d	5099449007x20,	N/12700	SAMPLE	20	8082r	6/23/14	03:08	DMT	✓ 1254
1/030f2401.d	5099449008x10,	N/12700	SAMPLE	10	8082f	6/23/14	03:08	DMT	1254
1/030b2501.d	5099449008x10,	N/12700	SAMPLE	10	8082r	6/23/14	03:13	DMT	✓ 1254
1/031f2501.d	5099449009x50,	N/12700	SAMPLE	50	8082f	6/23/14	03:13	DMT	10x
1/031b2601.d	5099449009x50,	N/12700	SAMPLE	50	8082r	6/23/14	03:19	DMT	↓
1/032f2601.d	5099449014x5,	N/12700	SAMPLE	5	8082f	6/23/14	03:19	DMT	
1/032b2701.d	5099449014x5,	N/12700	SAMPLE	5	8082r	6/23/14	03:25	DMT	✓ D3
1/033f2701.d	5099449016,	N/12700	SAMPLE	1	8082f	6/23/14	03:25	DMT	
1/033b2801.d	5099449016,	N/12700	SAMPLE	1	8082r	6/23/14	03:31	DMT	✓
1/034f2801.d	5099449017x5,	N/12700	SAMPLE	5	8082f	6/23/14	03:31	DMT	
1/011f2901.d	CCV,71159:1	N/12692	CCALIB_4	1	8082f	6/23/14	03:36	DMT	good
1/034b2901.d	5099449017x5,	N/12700	SAMPLE	5	8082r	6/23/14	03:36	DMT	✓ D3
1/001f3001.d	HEXANE 62052	N/	SAMPLE	1	8082f	6/23/14	03:42	DMT	
1/011b3001.d	CCV,71159:1	N/12692	CCALIB_4	1	8082r	6/23/14	03:42	DMT	good
1/001f3101.d	HEXANE 62052	N/	SAMPLE	1	8082f	6/23/14	03:48	DMT	
1/002b3101.d	HEXANE 62052	N/	SAMPLE	1	8082r	6/23/14	03:48	DMT	
1/001f3201.d	HEXANE 62052	N/	SAMPLE	1	8082f	6/23/14	03:54	DMT	
1/002b3201.d	HEXANE 62052	N/	SAMPLE	1	8082r	6/23/14	03:54	DMT	
1/001f3301.d	HEXANE 62052	N/	SAMPLE	1	8082f	6/23/14	03:59	DMT	
1/002b3301.d	HEXANE 62052	N/	SAMPLE	1	8082r	6/23/14	03:59	DMT	

DT 6-24-14

File Path 1: \\192.168.50.6\chem\50GCS8.i\062314.b
 Matrix Codes: [G]as, [L]iquid, [S]olid, [N]one
 Report Date: 14:19 06/24/2014

Page: 2

INSTRUMENT RUN LOG
Pace Analytical Services, Inc.

Instrument: 50GCS8.i
 Column DB-35MS 15m X 0.32mm H2
 Misc. Prep Info [L]:
 Misc. Prep Info [S]:
 ISTD lot:
 Tune std: _____

Method:

 Surr. lot:
 Cal. std: _____

Path/File	Smp Info	Mtrx/Batch	Type	DF	Method	Date	Time	Oper	Comments
1/001f3401.d	HEXANE 62052	N/	SAMPLE	1	8082f	6/23/14	04:05	DMT	
1/002b3401.d	HEXANE 62052	N/	SAMPLE	1	8082r	6/23/14	04:05	DMT	
1/001f3501.d	HEXANE 62052	N/	SAMPLE	1	8082f	6/23/14	04:11	DMT	
1/002b3501.d	HEXANE 62052	N/	SAMPLE	1	8082r	6/23/14	04:11	DMT	
1/001f3601.d	HEXANE 62052	N/	SAMPLE	1	8082f	6/23/14	04:17	DMT	
1/002b3601.d	HEXANE 62052	N/	SAMPLE	1	8082r	6/23/14	04:17	DMT	
1/149f0101.d	HEXANE 62052	L/	SAMPLE	1	8011f	6/23/14	11:22	DMT	
1/150b0101.d	HEXANE 62052	L/	SAMPLE	1	8011r	6/23/14	11:22	DMT	
1/149f0201.d	HEXANE 62052	L/	SAMPLE	1	8011f	6/23/14	11:31	DMT	
1/150b0201.d	HEXANE 62052	L/	SAMPLE	1	8011r	6/23/14	11:31	DMT	
1/149f0301.d	HEXANE 62052	L/	SAMPLE	1	8011f	6/23/14	11:40	DMT	
1/150b0301.d	HEXANE 62052	L/	SAMPLE	1	8011r	6/23/14	11:40	DMT	
1/149f0401.d	HEXANE 62052	L/	SAMPLE	1	8011f	6/23/14	11:55	DMT	
1/150b0401.d	HEXANE 62052	L/	SAMPLE	1	8011r	6/23/14	11:55	DMT	
1/149f0501.d	HEXANE 62052	L/	SAMPLE	1	8011f	6/23/14	12:01	DMT	
1/150b0501.d	HEXANE 62052	L/	SAMPLE	1	8011r	6/23/14	12:01	DMT	
1/148f0601.d	primer	L/	SAMPLE	1	8011f	6/23/14	12:11	DMT	
1/150b0601.d	HEXANE 62052	L/	SAMPLE	1	8011r	6/23/14	12:11	DMT	
1/148b0701.d	primer	L/	SAMPLE	1	8011r	6/23/14	12:18	DMT	
1/149f0701.d	HEXANE 62052	L/	SAMPLE	1	8011f	6/23/14	12:18	DMT	
1/149f0801.d	HEXANE 62052	L/	SAMPLE	1	8011f	6/23/14	12:25	DMT	
1/150b0801.d	HEXANE 62052	L/	SAMPLE	1	8011r	6/23/14	12:25	DMT	
1/149f0901.d	HEXANE 62052	L/	SAMPLE	1	8011f	6/23/14	12:32	DMT	
1/150b0901.d	HEXANE 62052	L/	SAMPLE	1	8011r	6/23/14	12:32	DMT	
1/101f1001.d	CAL BLANK	L/12708	SAMPLE	1	8011f	6/23/14	12:38	DMT	
1/150b1001.d	HEXANE 62052	L/	SAMPLE	1	8011r	6/23/14	12:38	DMT	
1/101b1101.d	CAL BLANK	L/12708	SAMPLE	1	8011r	6/23/14	12:45	DMT	
1/102f1101.d	CAL1,71242:1	L/12708	CALIB_1	1	8011f	6/23/14	12:45	DMT	
1/102b1201.d	CAL1,71242:1	L/12708	CALIB_1	1	8011r	6/23/14	12:52	DMT	
1/103f1201.d	CAL2,71243:1	L/12708	CALIB_2	1	8011f	6/23/14	12:52	DMT	
1/103b1301.d	CAL2,71243:1	L/12708	CALIB_2	1	8011r	6/23/14	12:59	DMT	
1/104f1301.d	CAL3,71244:1	L/12708	CALIB_3	1	8011f	6/23/14	12:59	DMT	
1/104b1401.d	CAL3,71244:1	L/12708	CALIB_3	1	8011r	6/23/14	13:05	DMT	

File Path 1: \\192.168.50.6\chem\50GCS8.i\062314.b
 Matrix Codes: [G]as, [L]iquid, [S]olid, [N]one
 Report Date: 14:19 06/24/2014

DT 6-24-14

INSTRUMENT RUN LOG
Pace Analytical Services, Inc.

Instrument: 50GCS8.i
 Column DB-35MS 15m X 0.32mm H2
 Misc. Prep Info [L]:
 Misc. Prep Info [S]:
 ISTD lot:
 Tune std: _____

Method:

 Surr. lot:
 Cal. std: _____

Path/File	Smp Info	Mtrx/Batch	Type	DF	Method	Date	Time	Oper	Comments
1/105f1401.d	CAL4,71245:1	L/12708	CALIB_4	1	8011f	6/23/14	13:05	DMT	
1/105b1501.d	CAL4,71245:1	L/12708	CALIB_4	1	8011r	6/23/14	13:12	DMT	
1/106f1501.d	CAL5,71246:1	L/12708	CALIB_5	1	8011f	6/23/14	13:12	DMT	
1/106b1601.d	CAL5,71246:1	L/12708	CALIB_5	1	8011r	6/23/14	13:19	DMT	
1/107f1601.d	CAL6,71247:1	L/12708	CALIB_6	1	8011f	6/23/14	13:19	DMT	
1/107b1701.d	CAL6,71247:1	L/12708	CALIB_6	1	8011r	6/23/14	13:26	DMT	
1/108f1701.d	CAL7,71248:1	L/12708	CALIB_7	1	8011f	6/23/14	13:26	DMT	good ICA
1/108b1801.d	CAL7,71248:1	L/12708	CALIB_7	1	8011r	6/23/14	13:32	DMT	good ICA
1/109f1801.d	ICV,71249:1	L/12708	CCALIB_4	1	8011f	6/23/14	13:32	DMT	good
1/109b1901.d	ICV,71249:1	L/12708	CCALIB_4	1	8011r	6/23/14	13:39	DMT	good
1/111f1901.d	1116057,	L/12709	BLANK	1	8011f	6/23/14	13:39	DMT	
1/111b2001.d	1116057,	L/12709	BLANK	1	8011r	6/23/14	13:46	DMT	/
1/112f2001.d	1116058,	L/12709	LCS	1	8011f	6/23/14	13:46	DMT	
1/112b2101.d	1116058,	L/12709	LCS	1	8011r	6/23/14	13:52	DMT	/
1/113f2101.d	5098993001,	L/12709	SAMPLE	1	8011f	6/23/14	13:52	DMT	
1/113b2201.d	5098993001,	L/12709	SAMPLE	1	8011r	6/23/14	13:59	DMT	/
1/114f2201.d	5098993003,	L/12709	SAMPLE	1	8011f	6/23/14	13:59	DMT	
1/114b2301.d	5098993003,	L/12709	SAMPLE	1	8011r	6/23/14	14:06	DMT	/
1/115f2301.d	5098993004,	L/12709	SAMPLE	1	8011f	6/23/14	14:06	DMT	
1/115b2401.d	5098993004,	L/12709	SAMPLE	1	8011r	6/23/14	14:12	DMT	/
1/116f2401.d	5098993005,	L/12709	SAMPLE	1	8011f	6/23/14	14:12	DMT	
1/116b2501.d	5098993005,	L/12709	SAMPLE	1	8011r	6/23/14	14:19	DMT	/
1/117f2501.d	5098993006,	L/12709	SAMPLE	1	8011f	6/23/14	14:19	DMT	
1/117b2601.d	5098993006,	L/12709	SAMPLE	1	8011r	6/23/14	14:26	DMT	/
1/118f2601.d	5098993007,	L/12709	SAMPLE	1	8011f	6/23/14	14:26	DMT	
1/118b2701.d	5098993007,	L/12709	SAMPLE	1	8011r	6/23/14	14:33	DMT	/
1/119f2701.d	5098993008,	L/12709	SAMPLE	1	8011f	6/23/14	14:33	DMT	
1/119b2801.d	5098993008,	L/12709	SAMPLE	1	8011r	6/23/14	14:39	DMT	/
1/120f2801.d	5098993009,	L/12709	SAMPLE	1	8011f	6/23/14	14:39	DMT	
1/120b2901.d	5098993009,	L/12709	SAMPLE	1	8011r	6/23/14	14:46	DMT	/
1/121f2901.d	1116059,	L/12709	MS	1	8011f	6/23/14	14:46	DMT	
1/121b3001.d	1116059,	L/12709	MS	1	8011r	6/23/14	14:53	DMT	/
1/122f3001.d	1116060,	L/12709	MSD	1	8011f	6/23/14	14:53	DMT	

File Path 1: \\192.168.50.6\chem\50GCS8.i\062314.b
 Matrix Codes: [G]as, [L]iquid, [S]olid, [N]one
 Report Date: 14:19 06/24/2014

DT 6-24-14

INSTRUMENT RUN LOG
Pace Analytical Services, Inc.

Instrument: 50GCS8.i
 Column DB-35MS 15m X 0.32mm H2
 Misc. Prep Info [L]:
 Misc. Prep Info [S]:
 ISTD lot:
 Tune std: _____

Method:
 Surr. lot:
 Cal. std: _____

Path/File	Smp Info	Mtrx/Batch	Type	DF	Method	Date	Time	Oper	Comments
1/122b3101.d	1116060,	L/12709	MSD	1	8011r	6/23/14	15:00	DMT	✓
1/123f3101.d	5098993010,	L/12709	SAMPLE	1	8011f	6/23/14	15:00	DMT	
1/123b3201.d	5098993010,	L/12709	SAMPLE	1	8011r	6/23/14	15:07	DMT	✓
1/124f3201.d	5098993011,	L/12709	SAMPLE	1	8011f	6/23/14	15:07	DMT	
1/124b3301.d	5098993011,	L/12709	SAMPLE	1	8011r	6/23/14	15:13	DMT	✓
1/125f3301.d	5098993012,	L/12709	SAMPLE	1	8011f	6/23/14	15:13	DMT	
1/125b3401.d	5098993012,	L/12709	SAMPLE	1	8011r	6/23/14	15:20	DMT	✓
1/126f3401.d	5098993013,	L/12709	SAMPLE	1	8011f	6/23/14	15:20	DMT	
1/126b3501.d	5098993013,	L/12709	SAMPLE	1	8011r	6/23/14	15:27	DMT	✓
1/127f3501.d	5098993014,	L/12709	SAMPLE	1	8011f	6/23/14	15:27	DMT	
1/127b3601.d	5098993014,	L/12709	SAMPLE	1	8011r	6/23/14	15:33	DMT	✓
1/128f3601.d	5098993015,	L/12709	SAMPLE	1	8011f	6/23/14	15:33	DMT	
1/110f3701.d	CCV, 71250:1	L/12708	CCALIB_4	1	8011f	6/23/14	15:40	DMT	good
1/128b3701.d	5098993015,	L/12709	SAMPLE	1	8011r	6/23/14	15:40	DMT	✓
1/110b3801.d	CCV, 71250:1	L/12708	CCALIB_4	1	8011r	6/23/14	15:47	DMT	good
1/149f3801.d	HEXANE 62052	L/	SAMPLE	1	8011f	6/23/14	15:47	DMT	
1/051f0101.d	HEXANE 62052	N/	SAMPLE	1	8082f	6/23/14	20:05	DMT	
1/052b0101.d	HEXANE 62052	N/	SAMPLE	1	8082r	6/23/14	20:05	DMT	
1/051f0201.d	HEXANE 62052	N/	SAMPLE	1	8082f	6/23/14	20:14	DMT	
1/052b0201.d	HEXANE 62052	N/	SAMPLE	1	8082r	6/23/14	20:14	DMT	
1/051f0301.d	HEXANE 62052	N/	SAMPLE	1	8082f	6/23/14	20:29	DMT	
1/052b0301.d	HEXANE 62052	N/	SAMPLE	1	8082r	6/23/14	20:29	DMT	
1/051f0401.d	HEXANE 62052	N/	SAMPLE	1	8082f	6/23/14	20:35	DMT	
1/052b0401.d	HEXANE 62052	N/	SAMPLE	1	8082r	6/23/14	20:35	DMT	
1/051f0501.d	HEXANE 62052	N/	SAMPLE	1	8082f	6/23/14	20:40	DMT	
1/052b0501.d	HEXANE 62052	N/	SAMPLE	1	8082r	6/23/14	20:40	DMT	
1/052b0601.d	HEXANE 62052	N/	SAMPLE	1	8082r	6/23/14	20:46	DMT	
1/053f0601.d	CCV, 71159:1	N/12692	CCALIB_4	1	8082f	6/23/14	20:46	DMT	good
1/053b0701.d	CCV, 71159:1	N/12692	CCALIB_4	1	8082r	6/23/14	20:52	DMT	good
1/061f0701.d	5099449001x1000,	N/12700	SAMPLE	1000	8082f	6/23/14	20:52	DMT	✓ 03/54
1/061b0801.d	5099449001x1000,	N/12700	SAMPLE	1000	8082r	6/23/14	20:58	DMT	
1/062f0801.d	5099449003x500,	N/12700	SAMPLE	500	8082f	6/23/14	20:58	DMT	✓ 03/54
1/062b0901.d	5099449003x500,	N/12700	SAMPLE	500	8082r	6/23/14	21:03	DMT	

File Path 1: \\192.168.50.6\chem\50GCS8.i\062314.b
 Matrix Codes: [G]as, [L]iquid, [S]olid, [N]one
 Report Date: 14:19 06/24/2014

DT 6-24-14

INSTRUMENT RUN LOG
Pace Analytical Services, Inc.

Instrument: 50GCS8.i
 Column DB-35MS 15m X 0.32mm H2
 Misc. Prep Info [L]:
 Misc. Prep Info [S]:
 ISTD lot:
 Tune std: _____

Method:
 Surr. lot:
 Cal. std: _____

Path/File	Smp Info	Mtrx/Batch	Type	DF	Method	Date	Time	Oper	Comments
1/063f0901.d	5099449004x5,	N/12700	SAMPLE	5	8082f	6/23/14	21:03	DMT	
1/063b1001.d	5099449004x5,	N/12700	SAMPLE	5	8082r	6/23/14	21:09	DMT	✓ D3
1/064f1001.d	5099449009x500,	N/12700	SAMPLE	500	8082f	6/23/14	21:09	DMT	
1/064b1101.d	5099449009x500,	N/12700	SAMPLE	500	8082r	6/23/14	21:15	DMT	✓ D3/S4
1/065f1101.d	1113468,	S/12701	BLANK	1	8082f	6/23/14	21:15	DMT	
1/065b1201.d	1113468,	S/12701	BLANK	1	8082r	6/23/14	21:21	DMT	✓
1/066f1201.d	1113469,	S/12701	LCS	1	8082f	6/23/14	21:21	DMT	
1/066b1301.d	1113469,	S/12701	LCS	1	8082r	6/23/14	21:26	DMT	✓
1/067f1301.d	5099458004,	S/12701	SAMPLE	1	8082f	6/23/14	21:26	DMT	
1/067b1401.d	5099458004,	S/12701	SAMPLE	1	8082r	6/23/14	21:32	DMT	✓
1/068f1401.d	5099458005,	S/12701	SAMPLE	1	8082f	6/23/14	21:32	DMT	1260
1/068b1501.d	5099458005,	S/12701	SAMPLE	1	8082r	6/23/14	21:38	DMT	✓ 1260
1/069f1501.d	5099487002,	S/12701	SAMPLE	1	8082f	6/23/14	21:38	DMT	1254
1/069b1601.d	5099487002,	S/12701	SAMPLE	1	8082r	6/23/14	21:44	DMT	✓ 1254
1/070f1601.d	5099487008,	S/12701	SAMPLE	1	8082f	6/23/14	21:44	DMT	
1/070b1701.d	5099487008,	S/12701	SAMPLE	1	8082r	6/23/14	21:49	DMT	✓
1/071f1701.d	surrx10,,71251	N/	SAMPLE	10	8082f	6/23/14	21:49	DMT	good surr
1/053f1801.d	CCV,71159:1	N/12692	CCALIB_4	1	8082f	6/23/14	21:55	DMT	good
1/071b1801.d	surrx10,,71251	N/	SAMPLE	10	8082r	6/23/14	21:55	DMT	good surr
1/053b1901.d	CCV,71159:1	N/12692	CCALIB_4	1	8082r	6/23/14	22:01	DMT	good
1/072f1901.d	1114691,	S/12710	BLANK	1	8082f	6/23/14	22:01	DMT	
1/072b2001.d	1114691,	S/12710	BLANK	1	8082r	6/23/14	22:07	DMT	✓
1/073f2001.d	1114692,	S/12710	LCS	1	8082f	6/23/14	22:07	DMT	
1/073b2101.d	1114692,	S/12710	LCS	1	8082r	6/23/14	22:13	DMT	✓
1/074f2101.d	5098949002,	S/12710	SAMPLE	1	8082f	6/23/14	22:13	DMT	
1/074b2201.d	5098949002,	S/12710	SAMPLE	1	8082r	6/23/14	22:19	DMT	✓ low surr
1/075f2201.d	1114693,	S/12710	MS	1	8082f	6/23/14	22:19	DMT	
1/075b2301.d	1114693,	S/12710	MS	1	8082r	6/23/14	22:24	DMT	✓ low everything
1/076f2301.d	1114694,	S/12710	MSD	1	8082f	6/23/14	22:24	DMT	
1/076b2401.d	1114694,	S/12710	MSD	1	8082r	6/23/14	22:30	DMT	✓ low everything
1/077f2401.d	5098949003,	S/12710	SAMPLE	1	8082f	6/23/14	22:30	DMT	
1/077b2501.d	5098949003,	S/12710	SAMPLE	1	8082r	6/23/14	22:36	DMT	✓
1/078f2501.d	5098949004,	S/12710	SAMPLE	1	8082f	6/23/14	22:36	DMT	

File Path 1: \\192.168.50.6\chem\50GCS8.i\062314.b
 Matrix Codes: [G]as, [L]iquid, [S]olid, [N]one
 Report Date: 14:19 06/24/2014

DT 6-24-14

INSTRUMENT RUN LOG
Pace Analytical Services, Inc.

Instrument: 50GCS8.i
 Column DB-35MS 15m X 0.32mm H2
 Misc. Prep Info [L]:
 Misc. Prep Info [S]:
 ISTD lot:
 Tune std: _____

Method:

 Surr. lot:
 Cal. std: _____

Path/File	Smp Info	Mtrx/Batch	Type	DF	Method	Date	Time	Oper	Comments
1/078b2601.d	5098949004,	S/12710	SAMPLE	1	8082r	6/23/14	22:42	DMT	✓
1/079f2601.d	5098949005,	S/12710	SAMPLE	1	8082f	6/23/14	22:42	DMT	DS
1/053f2701.d	CCV, 71159:1	N/12692	CCALIB_4	1	8082f	6/23/14	22:47	DMT	Good
1/079b2701.d	5098949005,	S/12710	SAMPLE	1	8082r	6/23/14	22:47	DMT	✓
1/053b2801.d	CCV, 71159:1	N/12692	CCALIB_4	1	8082r	6/23/14	22:53	DMT	good
1/080f2801.d	1114722,	L/12711	BLANK	1	8082f	6/23/14	22:53	DMT	
1/080b2901.d	1114722,	L/12711	BLANK	1	8082r	6/23/14	22:59	DMT	✓
1/081f2901.d	1114723,	L/12711	LCS	1	8082f	6/23/14	22:59	DMT	
1/081b3001.d	1114723,	L/12711	LCS	1	8082r	6/23/14	23:05	DMT	✓
1/082f3001.d	5099508001,	L/12711	SAMPLE	1	8082f	6/23/14	23:05	DMT	run 30x (skin basin)
1/082b3101.d	5099508001,	L/12711	SAMPLE	1	8082r	6/23/14	23:11	DMT	↓
1/083f3101.d	5099544002,	L/12711	SAMPLE	1	8082f	6/23/14	23:11	DMT	
1/083b3201.d	5099544002,	L/12711	SAMPLE	1	8082r	6/23/14	23:16	DMT	✓
1/084f3201.d	5099544003,	L/12711	SAMPLE	1	8082f	6/23/14	23:16	DMT	
1/084b3301.d	5099544003,	L/12711	SAMPLE	1	8082r	6/23/14	23:22	DMT	✓
1/085f3301.d	5099544004,	L/12711	SAMPLE	1	8082f	6/23/14	23:22	DMT	
1/085b3401.d	5099544004,	L/12711	SAMPLE	1	8082r	6/23/14	23:28	DMT	✓
1/086f3401.d	5099544008,	L/12711	SAMPLE	1	8082f	6/23/14	23:28	DMT	
1/086b3501.d	5099544008,	L/12711	SAMPLE	1	8082r	6/23/14	23:34	DMT	✓
1/087f3501.d	5099544009,	L/12711	SAMPLE	1	8082f	6/23/14	23:34	DMT	
1/087b3601.d	5099544009,	L/12711	SAMPLE	1	8082r	6/23/14	23:40	DMT	✓
1/088f3601.d	5099544010,	L/12711	SAMPLE	1	8082f	6/23/14	23:40	DMT	
1/088b3701.d	5099544010,	L/12711	SAMPLE	1	8082r	6/23/14	23:45	DMT	✓
1/089f3701.d	5099544013,	L/12711	SAMPLE	1	8082f	6/23/14	23:45	DMT	
1/089b3801.d	5099544013,	L/12711	SAMPLE	1	8082r	6/23/14	23:51	DMT	✓
1/090f3801.d	5099544022,	L/12711	SAMPLE	1	8082f	6/23/14	23:51	DMT	
1/090b3901.d	5099544022,	L/12711	SAMPLE	1	8082r	6/23/14	23:57	DMT	✓
1/091f3901.d	5099544023,	L/12711	SAMPLE	1	8082f	6/23/14	23:57	DMT	
1/053f4001.d	CCV, 71159:1	N/12692	CCALIB_4	1	8082f	6/24/14	00:03	DMT	good
1/091b4001.d	5099544023,	L/12711	SAMPLE	1	8082r	6/24/14	00:03	DMT	✓
1/051f4101.d	HEXANE 62052	N/	SAMPLE	1	8082f	6/24/14	00:08	DMT	
1/053b4101.d	CCV, 71159:1	N/12692	CCALIB_4	1	8082r	6/24/14	00:08	DMT	good

File Path 1: \\192.168.50.6\chem\50GCS8.i\062314.b
 Matrix Codes: [G]as, [L]iquid, [S]olid, [N]one
 Report Date: 14:19 06/24/2014

DT 6-24-14

INSTRUMENT RUN LOG
Pace Analytical Services, Inc.

Instrument: 50GCS8.i
 Column Om X Omm H2
 Misc. Prep Info [L]:
 Misc. Prep Info [S]:
 ISTD lot:
 Tune std: _____

Method:

Surr. lot:
 Cal. std: _____

Path/File	Smp Info	Mtrx/Batch	Type	DF	Method	Date	Time	Oper	Comments
1/001f0101.d	HEXANE 62052	N/	SAMPLE	1	8082f	6/24/14	17:29	DMT	
1/002b0101.d	HEXANE 62052	N/	SAMPLE	1	8082r	6/24/14	17:29	DMT	
1/001f0201.d	HEXANE 62052	N/	SAMPLE	1	8082f	6/24/14	17:38	DMT	
1/002b0201.d	HEXANE 62052	N/	SAMPLE	1	8082r	6/24/14	17:38	DMT	
1/001f0301.d	HEXANE 62052	N/	SAMPLE	1	8082f	6/24/14	17:52	DMT	
1/002b0301.d	HEXANE 62052	N/	SAMPLE	1	8082r	6/24/14	17:52	DMT	
1/001f0401.d	HEXANE 62052	N/	SAMPLE	1	8082f	6/24/14	17:58	DMT	
1/002b0401.d	HEXANE 62052	N/	SAMPLE	1	8082r	6/24/14	17:58	DMT	
1/001f0501.d	HEXANE 62052	N/	SAMPLE	1	8082f	6/24/14	18:04	DMT	
1/002b0501.d	HEXANE 62052	N/	SAMPLE	1	8082r	6/24/14	18:04	DMT	
1/002b0601.d	HEXANE 62052	N/	SAMPLE	1	8082r	6/24/14	18:10	DMT	
1/011f0601.d	CCV, 71159:1	N/12692	CCALIB_4	1	8082f	6/24/14	18:10	DMT	good
1/003f0701.d	1221 1000 ppb	N/	SAMPLE	1	8082f	6/24/14	18:15	DMT	
1/011b0701.d	CCV, 71159:1	N/12692	CCALIB_4	1	8082r	6/24/14	18:15	DMT	good for reference only
1/003b0801.d	1221 1000 ppb	N/	SAMPLE	1	8082r	6/24/14	18:21	DMT	
1/004f0801.d	1232 500 ppb	N/	SAMPLE	1	8082f	6/24/14	18:21	DMT	
1/004b0901.d	1232 500 ppb	N/	SAMPLE	1	8082r	6/24/14	18:27	DMT	
1/005f0901.d	1242 500 ppb	N/	SAMPLE	1	8082f	6/24/14	18:27	DMT	
1/005b1001.d	1242 500 ppb	N/	SAMPLE	1	8082r	6/24/14	18:32	DMT	
1/006f1001.d	1248 500 ppb	N/	SAMPLE	1	8082f	6/24/14	18:32	DMT	
1/006b1101.d	1248 500 ppb	N/	SAMPLE	1	8082r	6/24/14	18:38	DMT	
1/007f1101.d	1254 500 ppb	N/	SAMPLE	1	8082f	6/24/14	18:38	DMT	
1/007b1201.d	1254 500 ppb	N/	SAMPLE	1	8082r	6/24/14	18:44	DMT	
1/008f1201.d	1262 500 ppb	N/	SAMPLE	1	8082f	6/24/14	18:44	DMT	
1/008b1301.d	1262 500 ppb	N/	SAMPLE	1	8082r	6/24/14	18:50	DMT	
1/009f1301.d	1268 500 ppb	N/	SAMPLE	1	8082f	6/24/14	18:50	DMT	
1/009b1401.d	1268 500 ppb	N/	SAMPLE	1	8082r	6/24/14	18:55	DMT	
1/011f1401.d	CCV, 71159:1	N/12692	CCALIB_4	1	8082f	6/24/14	18:55	DMT	good
1/011b1501.d	CCV, 71159:1	N/12692	CCALIB_4	1	8082r	6/24/14	19:01	DMT	good
1/021f1501.d	5099508001x20,	L/12711	SAMPLE	20	8082f	6/24/14	19:01	DMT	
1/021b1601.d	5099508001x20,	L/12711	SAMPLE	20	8082r	6/24/14	19:07	DMT	
1/022f1601.d	1115924,	L/12719	BLANK	1	8082f	6/24/14	19:07	DMT	
1/022b1701.d	1115924,	L/12719	BLANK	1	8082r	6/24/14	19:13	DMT	

File Path 1: \\192.168.50.6\chem\50GCS8.i\062414.b
 Matrix Codes: [G]as, [L]iquid, [S]olid, [N]one
 Report Date: 20:42 06/25/2014

DT 6-25-14

INSTRUMENT RUN LOG
Pace Analytical Services, Inc.

Instrument: 50GCS8.i
 Column Om X Omm H2
 Misc. Prep Info [L]:
 Misc. Prep Info [S]:
 ISTD lot:
 Tune std: _____

Method:

Surr. lot: _____
 Cal. std: _____

Path/File	Smp Info	Mtrx/Batch	Type	DF	Method	Date	Time	Oper	Comments
1/023f1701.d	1115925,	L/12719	LCS	1	8082f	6/24/14	19:13	DMT	✓
1/023b1801.d	1115925,	L/12719	LCS	1	8082r	6/24/14	19:18	DMT	
1/024f1801.d	5099633002,	L/12719	SAMPLE	1	8082f	6/24/14	19:18	DMT	✓ 1232
1/024b1901.d	5099633002,	L/12719	SAMPLE	1	8082r	6/24/14	19:24	DMT	1232 conf
1/025f1901.d	5099633005,	L/12719	SAMPLE	1	8082f	6/24/14	19:24	DMT	✓ 1232
1/025b2001.d	5099633005,	L/12719	SAMPLE	1	8082r	6/24/14	19:30	DMT	1232 conf
1/026f2001.d	5099633007,	L/12719	SAMPLE	1	8082f	6/24/14	19:30	DMT	✓ 1232
1/026b2101.d	5099633007,	L/12719	SAMPLE	1	8082r	6/24/14	19:36	DMT	1232 conf
1/027f2101.d	5099633011,	L/12719	SAMPLE	1	8082f	6/24/14	19:36	DMT	✓
1/027b2201.d	5099633011,	L/12719	SAMPLE	1	8082r	6/24/14	19:42	DMT	
1/028f2201.d	5099633013,	L/12719	SAMPLE	1	8082f	6/24/14	19:42	DMT	✓ 1232
1/028b2301.d	5099633013,	L/12719	SAMPLE	1	8082r	6/24/14	19:47	DMT	1232 conf
1/029f2301.d	5099685008,	L/12719	SAMPLE	1	8082f	6/24/14	19:47	DMT	✓
1/029b2401.d	5099685008,	L/12719	SAMPLE	1	8082r	6/24/14	19:53	DMT	
1/030f2401.d	5099685009,	L/12719	SAMPLE	1	8082f	6/24/14	19:53	DMT	✓
1/030b2501.d	5099685009,	L/12719	SAMPLE	1	8082r	6/24/14	19:59	DMT	
1/031f2501.d	5099685010,	L/12719	SAMPLE	1	8082f	6/24/14	19:59	DMT	✓
1/031b2601.d	5099685010,	L/12719	SAMPLE	1	8082r	6/24/14	20:05	DMT	
1/032f2601.d	5099685011,	L/12719	SAMPLE	1	8082f	6/24/14	20:05	DMT	✓
1/032b2701.d	5099685011,	L/12719	SAMPLE	1	8082r	6/24/14	20:10	DMT	
1/033f2701.d	5099685013,	L/12719	SAMPLE	1	8082f	6/24/14	20:10	DMT	✓
1/033b2801.d	5099685013,	L/12719	SAMPLE	1	8082r	6/24/14	20:16	DMT	
1/034f2801.d	5099685014,	L/12719	SAMPLE	1	8082f	6/24/14	20:16	DMT	✓
1/034b2901.d	5099685014,	L/12719	SAMPLE	1	8082r	6/24/14	20:22	DMT	
1/035f2901.d	5099685015,	L/12719	SAMPLE	1	8082f	6/24/14	20:22	DMT	✓
1/035b3001.d	5099685015,	L/12719	SAMPLE	1	8082r	6/24/14	20:28	DMT	
1/036f3001.d	5099685018,	L/12719	SAMPLE	1	8082f	6/24/14	20:28	DMT	✓ < RL 32
1/036b3101.d	5099685018,	L/12719	SAMPLE	1	8082r	6/24/14	20:34	DMT	< RL 32
1/037f3101.d	5099688013,	L/12719	SAMPLE	1	8082f	6/24/14	20:34	DMT	✓
1/011f3201.d	CCV, 71159:1	N/12692	CCALIB_4	1	8082f	6/24/14	20:39	DMT	good
1/037b3201.d	5099688013,	L/12719	SAMPLE	1	8082r	6/24/14	20:39	DMT	
1/011b3301.d	CCV, 71159:1	N/12692	CCALIB_4	1	8082r	6/24/14	20:45	DMT	good
1/038f3301.d	1114460,	S/12718	BLANK	1	8082f	6/24/14	20:45	DMT	

File Path 1: \\192.168.50.6\chem\50GCS8.i\062414.b
 Matrix Codes: [G]as, [L]iquid, [S]olid, [N]one
 Report Date: 20:42 06/25/2014

DT 6-25-14

INSTRUMENT RUN LOG
Pace Analytical Services, Inc.

Instrument: 50GCS8.i
 Column Om X Omm H2
 Misc. Prep Info [L]:
 Misc. Prep Info [S]:
 ISTD lot:
 Tune std: _____

Method:

Surr. lot:
 Cal. std: _____

Path/File	Smp Info	Mtrx/Batch	Type	DF	Method	Date	Time	Oper	Comments
1/038b3401.d	1114460,	S/12718	BLANK	1	8082r	6/24/14	20:51	DMT	/
1/039f3401.d	1114461,	S/12718	LCS	1	8082f	6/24/14	20:51	DMT	
1/039b3501.d	1114461,	S/12718	LCS	1	8082r	6/24/14	20:57	DMT	/
1/040f3501.d	5099576001,	S/12718	SAMPLE	1	8082f	6/24/14	20:57	DMT	
1/040b3601.d	5099576001,	S/12718	SAMPLE	1	8082r	6/24/14	21:02	DMT	/
1/041f3601.d	5099576002,	S/12718	SAMPLE	1	8082f	6/24/14	21:02	DMT	
1/041b3701.d	5099576002,	S/12718	SAMPLE	1	8082r	6/24/14	21:08	DMT	/
1/042f3701.d	5099576003,	S/12718	SAMPLE	1	8082f	6/24/14	21:08	DMT	
1/042b3801.d	5099576003,	S/12718	SAMPLE	1	8082r	6/24/14	21:14	DMT	/
1/043f3801.d	5099576004,	S/12718	SAMPLE	1	8082f	6/24/14	21:14	DMT	Copper clean stream
1/043b3901.d	5099576004,	S/12718	SAMPLE	1	8082r	6/24/14	21:20	DMT	
1/044f3901.d	5099576005,	S/12718	SAMPLE	1	8082f	6/24/14	21:20	DMT	
1/044b4001.d	5099576005,	S/12718	SAMPLE	1	8082r	6/24/14	21:26	DMT	
1/045f4001.d	5099576006,	S/12718	SAMPLE	1	8082f	6/24/14	21:26	DMT	
1/045b4101.d	5099576006,	S/12718	SAMPLE	1	8082r	6/24/14	21:31	DMT	
1/046f4101.d	5099576007,	S/12718	SAMPLE	1	8082f	6/24/14	21:31	DMT	
1/046b4201.d	5099576007,	S/12718	SAMPLE	1	8082r	6/24/14	21:37	DMT	↓ \$ re-ex
1/047f4201.d	5099576008,	S/12718	SAMPLE	1	8082f	6/24/14	21:37	DMT	Copper clean stream
1/047b4301.d	5099576008,	S/12718	SAMPLE	1	8082r	6/24/14	21:43	DMT	
1/048f4301.d	5099541001,	S/12718	SAMPLE	1	8082f	6/24/14	21:43	DMT	
1/048b4401.d	5099541001,	S/12718	SAMPLE	1	8082r	6/24/14	21:49	DMT	/
1/049f4401.d	5099541002,	S/12718	SAMPLE	1	8082f	6/24/14	21:49	DMT	
1/049b4501.d	5099541002,	S/12718	SAMPLE	1	8082r	6/24/14	21:54	DMT	/
1/050f4501.d	5099541003,	S/12718	SAMPLE	1	8082f	6/24/14	21:54	DMT	
1/050b4601.d	5099541003,	S/12718	SAMPLE	1	8082r	6/24/14	22:00	DMT	/
1/051f4601.d	5099541004,	S/12718	SAMPLE	1	8082f	6/24/14	22:00	DMT	
1/051b4701.d	5099541004,	S/12718	SAMPLE	1	8082r	6/24/14	22:06	DMT	/
1/052f4701.d	5099557001,	S/12718	SAMPLE	1	8082f	6/24/14	22:06	DMT	
1/052b4801.d	5099557001,	S/12718	SAMPLE	1	8082r	6/24/14	22:12	DMT	/
1/053f4801.d	5099557002,	S/12718	SAMPLE	1	8082f	6/24/14	22:12	DMT	SH CLR
1/053b4901.d	5099557002,	S/12718	SAMPLE	1	8082r	6/24/14	22:17	DMT	/ SH CLR
1/054f4901.d	1114462,	S/12718	MS	1	8082f	6/24/14	22:17	DMT	
1/054b5001.d	1114462,	S/12718	MS	1	8082r	6/24/14	22:23	DMT	/

File Path 1: \\192.168.50.6\chem\50GCS8.i\062414.b
 Matrix Codes: [G]as, [L]iquid, [S]olid, [N]one
 Report Date: 20:42 06/25/2014

DT 6-25-14

INSTRUMENT RUN LOG
Pace Analytical Services, Inc.

Instrument: 50GCS8.i
 Column 0m X 0mm H2
 Misc. Prep Info [L]:
 Misc. Prep Info [S]:
 ISTD lot:
 Tune std: _____

Method:

Surr. lot:
 Cal. std: _____

Path/File	Smp Info	MtrxBatch	Type	DF	Method	Date	Time	Oper	Comments
1/055f5001.d	1114463,	S/12718	MSD	1	8082f	6/24/14	22:23	DMT	
1/055b5101.d	1114463,	S/12718	MSD	1	8082r	6/24/14	22:29	DMT	✓
1/056f5101.d	5099557003,	S/12718	SAMPLE	1	8082f	6/24/14	22:29	DMT	
1/056b5201.d	5099557003,	S/12718	SAMPLE	1	8082r	6/24/14	22:35	DMT	✓
1/057f5201.d	5099557004,	S/12718	SAMPLE	1	8082f	6/24/14	22:35	DMT	
1/057b5301.d	5099557004,	S/12718	SAMPLE	1	8082r	6/24/14	22:40	DMT	✓
1/058f5301.d	5099556002,	S/12718	SAMPLE	1	8082f	6/24/14	22:40	DMT	SY-ALL
1/058b5401.d	5099556002,	S/12718	SAMPLE	1	8082r	6/24/14	22:46	DMT	✓ SY-ALL
1/059f5401.d	5099576010,	S/12718	SAMPLE	1	8082f	6/24/14	22:46	DMT	
1/059b5501.d	5099576010,	S/12718	SAMPLE	1	8082r	6/24/14	22:52	DMT	✓
1/060f5501.d	5099576011,	S/12718	SAMPLE	1	8082f	6/24/14	22:52	DMT	
1/060b5601.d	5099576011,	S/12718	SAMPLE	1	8082r	6/24/14	22:58	DMT	✓
1/061f5601.d	5099576012,	S/12718	SAMPLE	1	8082f	6/24/14	22:58	DMT	
1/011f5701.d	CCV,71159:1	N/12692	CCALIB_4	1	8082f	6/24/14	23:03	DMT	good
1/061b5701.d	5099576012,	S/12718	SAMPLE	1	8082r	6/24/14	23:03	DMT	✓
1/001f5801.d	HEXANE 62052	N/	SAMPLE	1	8082f	6/24/14	23:09	DMT	
1/011b5801.d	CCV,71159:1	N/12692	CCALIB_4	1	8082r	6/24/14	23:09	DMT	good

DT 6-25-14

File Path 1: \\192.168.50.6\chem\50GCS8.i\062414.b
 Matrix Codes: [G]as, [L]iquid, [S]olid, [N]one
 Report Date: 20:42 06/25/2014

INSTRUMENT RUN LOG
Pace Analytical Services, Inc.

Instrument: 50GCS8.i
 Column Om X Omm H2
 Misc. Prep Info [L]:
 Misc. Prep Info [S]:
 ISTD lot:
 Tune std: _____

Method:

 Surr. lot:
 Cal. std: _____

Path/File	Smp Info	Mtrx/Batch	Type	DF	Method	Date	Time	Oper	Comments
1/001f0101.d	HEXANE 62052	N/	SAMPLE	1	8082f	6/26/14	18:21	DMT	
1/002b0101.d	HEXANE 62052	N/	SAMPLE	1	8082r	6/26/14	18:21	DMT	
1/001f0201.d	HEXANE 62052	N/	SAMPLE	1	8082f	6/26/14	18:30	DMT	
1/002b0201.d	HEXANE 62052	N/	SAMPLE	1	8082r	6/26/14	18:30	DMT	
1/001f0301.d	HEXANE 62052	N/	SAMPLE	1	8082f	6/26/14	18:45	DMT	
1/002b0301.d	HEXANE 62052	N/	SAMPLE	1	8082r	6/26/14	18:45	DMT	
1/001f0401.d	HEXANE 62052	N/	SAMPLE	1	8082f	6/26/14	18:51	DMT	
1/002b0401.d	HEXANE 62052	N/	SAMPLE	1	8082r	6/26/14	18:51	DMT	
1/001f0501.d	HEXANE 62052	N/	SAMPLE	1	8082f	6/26/14	18:57	DMT	
1/002b0501.d	HEXANE 62052	N/	SAMPLE	1	8082r	6/26/14	18:57	DMT	
1/002b0601.d	HEXANE 62052	N/	SAMPLE	1	8082r	6/26/14	19:03	DMT	
1/011f0601.d	CCV, 71159:1	N/12692	CCALIB_4	1	8082f	6/26/14	19:03	DMT	good
1/003f0701.d	1221 1000 ppb	N/	SAMPLE	1	8082f	6/26/14	19:08	DMT	for reference only
1/011b0701.d	CCV, 71159:1	N/12692	CCALIB_4	1	8082r	6/26/14	19:08	DMT	good
1/003b0801.d	1221 1000 ppb	N/	SAMPLE	1	8082r	6/26/14	19:14	DMT	
1/004f0801.d	1232 500 ppb	N/	SAMPLE	1	8082f	6/26/14	19:14	DMT	
1/004b0901.d	1232 500 ppb	N/	SAMPLE	1	8082r	6/26/14	19:20	DMT	
1/005f0901.d	1242 500 ppb	N/	SAMPLE	1	8082f	6/26/14	19:20	DMT	
1/005b1001.d	1242 500 ppb	N/	SAMPLE	1	8082r	6/26/14	19:26	DMT	
1/006f1001.d	1248 500 ppb	N/	SAMPLE	1	8082f	6/26/14	19:26	DMT	
1/006b1101.d	1248 500 ppb	N/	SAMPLE	1	8082r	6/26/14	19:32	DMT	
1/007f1101.d	1254 500 ppb	N/	SAMPLE	1	8082f	6/26/14	19:32	DMT	
1/007b1201.d	1254 500 ppb	N/	SAMPLE	1	8082r	6/26/14	19:37	DMT	
1/008f1201.d	1262 500 ppb	N/	SAMPLE	1	8082f	6/26/14	19:37	DMT	
1/008b1301.d	1262 500 ppb	N/	SAMPLE	1	8082r	6/26/14	19:43	DMT	
1/009f1301.d	1268 500 ppb	N/	SAMPLE	1	8082f	6/26/14	19:43	DMT	
1/009b1401.d	1268 500 ppb	N/	SAMPLE	1	8082r	6/26/14	19:49	DMT	
1/011f1401.d	CCV, 71159:1	N/12692	CCALIB_4	1	8082f	6/26/14	19:49	DMT	good
1/011b1501.d	CCV, 71159:1	N/12692	CCALIB_4	1	8082r	6/26/14	19:54	DMT	good
1/021f1501.d	1114460,	S/12718	BLANK	1	8082f	6/26/14	19:54	DMT	
1/021b1601.d	1114460,	S/12718	BLANK	1	8082r	6/26/14	20:00	DMT	OK
1/022f1601.d	1114461,	S/12718	LCS	1	8082f	6/26/14	20:00	DMT	
1/022b1701.d	1114461,	S/12718	LCS	1	8082r	6/26/14	20:06	DMT	OK

Copper cleaned
↓

DT 6-27-14

File Path 1: \\192.168.50.6\chem\50GCS8.i\062614.b
 Matrix Codes: [G]as, [L]iquid, [S]olid, [N]one
 Report Date: 17:51 06/27/2014

INSTRUMENT RUN LOG
Pace Analytical Services, Inc.

Instrument: 50GCS8.i
 Column Om X Omm H2
 Misc. Prep Info [L]:
 Misc. Prep Info [S]:
 ISTD lot:
 Tune std: _____

Method:

Surr. lot:
 Cal. std: _____

Path/File	Smp Info	Mtrx/Batch	Type	DF	Method	Date	Time	Oper	Comments
1/023f1701.d	5099576004,	S/12718	SAMPLE	1	8082f	6/26/14	20:06	DMT	
1/023b1801.d	5099576004,	S/12718	SAMPLE	1	8082r	6/26/14	20:12	DMT	/
1/024f1801.d	5099576005,	S/12718	SAMPLE	1	8082f	6/26/14	20:12	DMT	
1/024b1901.d	5099576005,	S/12718	SAMPLE	1	8082r	6/26/14	20:18	DMT	/
1/025f1901.d	5099576006,	S/12718	SAMPLE	1	8082f	6/26/14	20:18	DMT	
1/025b2001.d	5099576006,	S/12718	SAMPLE	1	8082r	6/26/14	20:23	DMT	/
1/026f2001.d	5099576008,	S/12718	SAMPLE	1	8082f	6/26/14	20:23	DMT	
1/011f2101.d	CCV, 71159:1	N/12692	CCALIB_4	1	8082f	6/26/14	20:29	DMT	good
1/026b2101.d	5099576008,	S/12718	SAMPLE	1	8082r	6/26/14	20:29	DMT	/
1/011b2201.d	CCV, 71159:1	N/12692	CCALIB_4	1	8082r	6/26/14	20:35	DMT	good
1/027f2201.d	1111290,	L/12738	BLANK	1	8082f	6/26/14	20:35	DMT	
1/027b2301.d	1111290,	L/12738	BLANK	1	8082r	6/26/14	20:41	DMT	/
1/028f2301.d	1111291,	L/12738	LCS	1	8082f	6/26/14	20:41	DMT	
1/028b2401.d	1111291,	L/12738	LCS	1	8082r	6/26/14	20:46	DMT	/
1/029f2401.d	5099241001,	L/12738	SAMPLE	1	8082f	6/26/14	20:46	DMT	
1/029b2501.d	5099241001,	L/12738	SAMPLE	1	8082r	6/26/14	20:52	DMT	1242 or 1248 ?
1/030f2501.d	1111292,	L/12738	MS	1	8082f	6/26/14	20:52	DMT	
1/030b2601.d	1111292,	L/12738	MS	1	8082r	6/26/14	20:58	DMT	/
1/031f2601.d	1111293,	L/12738	MSD	1	8082f	6/26/14	20:58	DMT	
1/031b2701.d	1111293,	L/12738	MSD	1	8082r	6/26/14	21:04	DMT	/
1/032f2701.d	1115999,	L/12739	BLANK	1	8082f	6/26/14	21:04	DMT	
1/032b2801.d	1115999,	L/12739	BLANK	1	8082r	6/26/14	21:10	DMT	/
1/033f2801.d	1116000,	L/12739	LCS	1	8082f	6/26/14	21:10	DMT	
1/033b2901.d	1116000,	L/12739	LCS	1	8082r	6/26/14	21:15	DMT	/
1/034f2901.d	5099515001,	L/12739	SAMPLE	1	8082f	6/26/14	21:15	DMT	
1/034b3001.d	5099515001,	L/12739	SAMPLE	1	8082r	6/26/14	21:21	DMT	/
1/035f3001.d	1116001,	L/12739	MS	1	8082f	6/26/14	21:21	DMT	
1/035b3101.d	1116001,	L/12739	MS	1	8082r	6/26/14	21:27	DMT	/
1/036f3101.d	1116002,	L/12739	MSD	1	8082f	6/26/14	21:27	DMT	
1/036b3201.d	1116002,	L/12739	MSD	1	8082r	6/26/14	21:33	DMT	/
1/037f3201.d	5099515002,	L/12739	SAMPLE	1	8082f	6/26/14	21:33	DMT	
1/011f3301.d	CCV, 71159:1	N/12692	CCALIB_4	1	8082f	6/26/14	21:39	DMT	good
1/037b3301.d	5099515002,	L/12739	SAMPLE	1	8082r	6/26/14	21:39	DMT	/

File Path 1: \\192.168.50.6\chem\50GCS8.i\062614.b
 Matrix Codes: [G]as, [L]iquid, [S]olid, [N]one
 Report Date: 17:51 06/27/2014

DT 6-27-14

INSTRUMENT RUN LOG
Pace Analytical Services, Inc.

Instrument: 50GCS8.i
 Column Om X Omm H2
 Misc. Prep Info [L]:
 Misc. Prep Info [S]:
 ISTD lot:
 Tune std: _____

Method:

Surr. lot:
 Cal. std: _____

Path/File	Smp Info	Mtrx/Batch	Type	DF	Method	Date	Time	Oper	Comments
1/011b3401.d	CCV, 71159:1	N/12692	CCALIB_4	1	8082r	6/26/14	21:44	DMT	good
1/038f3401.d	1117932,	L/12744	BLANK	1	8082f	6/26/14	21:44	DMT	
1/038b3501.d	1117932,	L/12744	BLANK	1	8082r	6/26/14	21:50	DMT	/
1/039f3501.d	1117933,	L/12744	LCS	1	8082f	6/26/14	21:50	DMT	
1/039b3601.d	1117933,	L/12744	LCS	1	8082r	6/26/14	21:56	DMT	/
1/040f3601.d	5099824002,	L/12744	SAMPLE	1	8082f	6/26/14	21:56	DMT	
1/040b3701.d	5099824002,	L/12744	SAMPLE	1	8082r	6/26/14	22:02	DMT	do not report
1/041f3701.d	5099824002x10,	L/12744	SAMPLE	10	8082f	6/26/14	22:02	DMT	
1/041b3801.d	5099824002x10,	L/12744	SAMPLE	10	8082r	6/26/14	22:07	DMT	/ D3/S4
1/042f3801.d	5099762002,	L/12744	SAMPLE	1	8082f	6/26/14	22:07	DMT	
1/042b3901.d	5099762002,	L/12744	SAMPLE	1	8082r	6/26/14	22:13	DMT	/
1/043f3901.d	5099762003,	L/12744	SAMPLE	1	8082f	6/26/14	22:13	DMT	
1/043b4001.d	5099762003,	L/12744	SAMPLE	1	8082r	6/26/14	22:19	DMT	/
1/044f4001.d	5099871001x20,	L/12744	SAMPLE	20	8082f	6/26/14	22:19	DMT	
1/011f4101.d	CCV, 71159:1	N/12692	CCALIB_4	1	8082f	6/26/14	22:25	DMT	good
1/044b4101.d	5099871001x20,	L/12744	SAMPLE	20	8082r	6/26/14	22:25	DMT	D3/S4
1/011b4201.d	CCV, 71159:1	N/12692	CCALIB_4	1	8082r	6/26/14	22:30	DMT	good
1/045f4201.d	1117906,	S/12740	BLANK	1	8082f	6/26/14	22:30	DMT	
1/045b4301.d	1117906,	S/12740	BLANK	1	8082r	6/26/14	22:36	DMT	/
1/046f4301.d	1117907,	S/12740	LCS	1	8082f	6/26/14	22:36	DMT	
1/046b4401.d	1117907,	S/12740	LCS	1	8082r	6/26/14	22:42	DMT	/
1/047f4401.d	5099655020,	S/12740	SAMPLE	1	8082f	6/26/14	22:42	DMT	50x
1/047b4501.d	5099655020,	S/12740	SAMPLE	1	8082r	6/26/14	22:48	DMT	50x
1/048f4501.d	5099874001x10,	S/12740	SAMPLE	10	8082f	6/26/14	22:48	DMT	
1/048b4601.d	5099874001x10,	S/12740	SAMPLE	10	8082r	6/26/14	22:53	DMT	/ D3/S4
1/049f4601.d	5099773001x10,	S/12740	SAMPLE	10	8082f	6/26/14	22:53	DMT	
1/049b4701.d	5099773001x10,	S/12740	SAMPLE	10	8082r	6/26/14	22:59	DMT	/ D3/S4
1/050f4701.d	5099842001,	S/12740	SAMPLE	1	8082f	6/26/14	22:59	DMT	<MDL 54 / <MDL 60
1/050b4801.d	5099842001,	S/12740	SAMPLE	1	8082r	6/26/14	23:05	DMT	
1/051f4801.d	5099842002,	S/12740	SAMPLE	1	8082f	6/26/14	23:05	DMT	
1/051b4901.d	5099842002,	S/12740	SAMPLE	1	8082r	6/26/14	23:11	DMT	
1/052f4901.d	5099842003,	S/12740	SAMPLE	1	8082f	6/26/14	23:11	DMT	
1/052b5001.d	5099842003,	S/12740	SAMPLE	1	8082r	6/26/14	23:17	DMT	

File Path 1: \\192.168.50.6\chem\50GCS8.i\062614.b
 Matrix Codes: [G]as, [L]iquid, [S]olid, [N]one
 Report Date: 17:51 06/27/2014

DT 6-27-14

INSTRUMENT RUN LOG
Pace Analytical Services, Inc.

Instrument: 50GCS8.i
 Column Om X Omm H2
 Misc. Prep Info [L]:
 Misc. Prep Info [S]:
 ISTD lot:
 Tune std: _____

Method:

Surr. lot:
 Cal. std: _____

Path/File	Smp Info	Mtrx/Batch	Type	DF	Method	Date	Time	Oper	Comments
1/053f5001.d	5099842004,	S/12740	SAMPLE	1	8082f	6/26/14	23:17	DMT	<u><MDL 54 / <MDL 60</u>
1/053b5101.d	5099842004,	S/12740	SAMPLE	1	8082r	6/26/14	23:22	DMT	↓
1/054f5101.d	5099842005,	S/12740	SAMPLE	1	8082f	6/26/14	23:22	DMT	<u><RL 54 / <MDL 60</u>
1/054b5201.d	5099842005,	S/12740	SAMPLE	1	8082r	6/26/14	23:28	DMT	↓
1/055f5201.d	5099842006,	S/12740	SAMPLE	1	8082f	6/26/14	23:28	DMT	<u><MDL 54 / <MDL 60</u>
1/055b5301.d	5099842006,	S/12740	SAMPLE	1	8082r	6/26/14	23:34	DMT	↓
1/056f5301.d	5099842007,	S/12740	SAMPLE	1	8082f	6/26/14	23:34	DMT	↓
1/056b5401.d	5099842007,	S/12740	SAMPLE	1	8082r	6/26/14	23:40	DMT	↓
1/057f5401.d	5099842008,	S/12740	SAMPLE	1	8082f	6/26/14	23:40	DMT	↓
1/057b5501.d	5099842008,	S/12740	SAMPLE	1	8082r	6/26/14	23:45	DMT	↓
1/058f5501.d	5099842009,	S/12740	SAMPLE	1	8082f	6/26/14	23:45	DMT	↓
1/058b5601.d	5099842009,	S/12740	SAMPLE	1	8082r	6/26/14	23:51	DMT	↓
1/059f5601.d	5099682005,	S/12740	SAMPLE	1	8082f	6/26/14	23:51	DMT	
1/059b5701.d	5099682005,	S/12740	SAMPLE	1	8082r	6/26/14	23:57	DMT	/
1/060f5701.d	5099682006,	S/12740	SAMPLE	1	8082f	6/26/14	23:57	DMT	
1/060b5801.d	5099682006,	S/12740	SAMPLE	1	8082r	6/27/14	00:03	DMT	/
1/061f5801.d	5099682007,	S/12740	SAMPLE	1	8082f	6/27/14	00:03	DMT	
1/061b5901.d	5099682007,	S/12740	SAMPLE	1	8082r	6/27/14	00:08	DMT	/
1/062f5901.d	5099682008,	S/12740	SAMPLE	1	8082f	6/27/14	00:08	DMT	
1/062b6001.d	5099682008,	S/12740	SAMPLE	1	8082r	6/27/14	00:14	DMT	/
1/063f6001.d	5099682009,	S/12740	SAMPLE	1	8082f	6/27/14	00:14	DMT	
1/063b6101.d	5099682009,	S/12740	SAMPLE	1	8082r	6/27/14	00:20	DMT	/
1/064f6101.d	5099688001,	S/12740	SAMPLE	1	8082f	6/27/14	00:20	DMT	
1/064b6201.d	5099688001,	S/12740	SAMPLE	1	8082r	6/27/14	00:26	DMT	/
1/065f6201.d	1117908,	S/12740	MS	1	8082f	6/27/14	00:26	DMT	
1/065b6301.d	1117908,	S/12740	MS	1	8082r	6/27/14	00:32	DMT	/
1/066f6301.d	1117909,	S/12740	MSD	1	8082f	6/27/14	00:32	DMT	
1/066b6401.d	1117909,	S/12740	MSD	1	8082r	6/27/14	00:38	DMT	/
1/067f6401.d	5099688002,	S/12740	SAMPLE	1	8082f	6/27/14	00:38	DMT	
1/067b6501.d	5099688002,	S/12740	SAMPLE	1	8082r	6/27/14	00:43	DMT	/
1/068f6501.d	5099688003,	S/12740	SAMPLE	1	8082f	6/27/14	00:43	DMT	
1/011f6601.d	CCV,71159:1	N/12692	CCALIB_4	1	8082f	6/27/14	00:49	DMT	good
1/068b6601.d	5099688003,	S/12740	SAMPLE	1	8082r	6/27/14	00:49	DMT	/

File Path 1: \\192.168.50.6\chem\50GCS8.i\062614.b
 Matrix Codes: [G]as, [L]iquid, [S]olid, [N]one
 Report Date: 17:51 06/27/2014

DT 6-27-14

INSTRUMENT RUN LOG
Pace Analytical Services, Inc.

Instrument: 50GCS8.i
 Column Om X Omm H2
 Misc. Prep Info [L]:
 Misc. Prep Info [S]:
 ISTD lot:
 Tune std: _____

Method:

Surr. lot:
 Cal. std: _____

Path/File	Smp Info	Mtrx/Batch	Type	DF	Method	Date	Time	Oper	Comments
1/011b6701.d	CCV,71159:1	N/12692	CCALIB_4	1	8082r	6/27/14	00:55	DMT	good
1/069f6701.d	1116370,	S/12741	BLANK	1	8082f	6/27/14	00:55	DMT	
1/069b6801.d	1116370,	S/12741	BLANK	1	8082r	6/27/14	01:01	DMT	/
1/070f6801.d	1116371,	S/12741	LCS	1	8082f	6/27/14	01:01	DMT	
1/070b6901.d	1116371,	S/12741	LCS	1	8082r	6/27/14	01:06	DMT	/
1/071f6901.d	5099655021,	S/12741	SAMPLE	1	8082f	6/27/14	01:06	DMT	500x
1/071b7001.d	5099655021,	S/12741	SAMPLE	1	8082r	6/27/14	01:12	DMT	↓
1/072f7001.d	5099655022,	S/12741	SAMPLE	1	8082f	6/27/14	01:12	DMT	1260
1/072b7101.d	5099655022,	S/12741	SAMPLE	1	8082r	6/27/14	01:18	DMT	/ 1260
1/073f7101.d	5099627001,	S/12741	SAMPLE	1	8082f	6/27/14	01:18	DMT	
1/073b7201.d	5099627001,	S/12741	SAMPLE	1	8082r	6/27/14	01:24	DMT	/
1/074f7201.d	5099627002,	S/12741	SAMPLE	1	8082f	6/27/14	01:24	DMT	
1/074b7301.d	5099627002,	S/12741	SAMPLE	1	8082r	6/27/14	01:30	DMT	/
1/075f7301.d	5099627003,	S/12741	SAMPLE	1	8082f	6/27/14	01:30	DMT	
1/075b7401.d	5099627003,	S/12741	SAMPLE	1	8082r	6/27/14	01:35	DMT	/
1/076f7401.d	1116372,	S/12741	MS	1	8082f	6/27/14	01:35	DMT	
1/076b7501.d	1116372,	S/12741	MS	1	8082r	6/27/14	01:41	DMT	/
1/077f7501.d	1116373,	S/12741	MSD	1	8082f	6/27/14	01:41	DMT	
1/077b7601.d	1116373,	S/12741	MSD	1	8082r	6/27/14	01:47	DMT	/
1/078f7601.d	5099627004,	S/12741	SAMPLE	1	8082f	6/27/14	01:47	DMT	
1/078b7701.d	5099627004,	S/12741	SAMPLE	1	8082r	6/27/14	01:53	DMT	/
1/079f7701.d	5099627005,	S/12741	SAMPLE	1	8082f	6/27/14	01:53	DMT	
1/079b7801.d	5099627005,	S/12741	SAMPLE	1	8082r	6/27/14	01:59	DMT	/
1/080f7801.d	5099627006,	S/12741	SAMPLE	1	8082f	6/27/14	01:59	DMT	
1/080b7901.d	5099627006,	S/12741	SAMPLE	1	8082r	6/27/14	02:04	DMT	/
1/081f7901.d	5099627007,	S/12741	SAMPLE	1	8082f	6/27/14	02:04	DMT	
1/081b8001.d	5099627007,	S/12741	SAMPLE	1	8082r	6/27/14	02:10	DMT	/
1/082f8001.d	5099627008,	S/12741	SAMPLE	1	8082f	6/27/14	02:10	DMT	
1/082b8101.d	5099627008,	S/12741	SAMPLE	1	8082r	6/27/14	02:16	DMT	/
1/083f8101.d	5099627009,	S/12741	SAMPLE	1	8082f	6/27/14	02:16	DMT	
1/083b8201.d	5099627009,	S/12741	SAMPLE	1	8082r	6/27/14	02:22	DMT	/
1/084f8201.d	5099627010,	S/12741	SAMPLE	1	8082f	6/27/14	02:22	DMT	
1/084b8301.d	5099627010,	S/12741	SAMPLE	1	8082r	6/27/14	02:28	DMT	/

File Path 1: \\192.168.50.6\chem\50GCS8.i\062614.b
 Matrix Codes: [G]as, [L]iquid, [S]olid, [N]one
 Report Date: 17:51 06/27/2014

DT 6-27-14

INSTRUMENT RUN LOG
Pace Analytical Services, Inc.

Instrument: 50GCS8.i
 Column Om X Omm H2
 Misc. Prep Info [L]:
 Misc. Prep Info [S]:
 ISTD lot:
 Tune std: _____

Method:

Surr. lot:
 Cal. std: _____

Path/File	Smp Info	Mtrx/Batch	Type	DF	Method	Date	Time	Oper	Comments
1/085f8301.d	5099627011,	S/12741	SAMPLE	1	8082f	6/27/14	02:28	DMT	
1/085b8401.d	5099627011,	S/12741	SAMPLE	1	8082r	6/27/14	02:33	DMT	✓
1/086f8401.d	5099627012,	S/12741	SAMPLE	1	8082f	6/27/14	02:33	DMT	
1/086b8501.d	5099627012,	S/12741	SAMPLE	1	8082r	6/27/14	02:39	DMT	✓
1/087f8501.d	5099627014,	S/12741	SAMPLE	1	8082f	6/27/14	02:39	DMT	1248 < RL
1/087b8601.d	5099627014,	S/12741	SAMPLE	1	8082r	6/27/14	02:45	DMT	✓ 1248 < RL
1/088f8601.d	5099627015,	S/12741	SAMPLE	1	8082f	6/27/14	02:45	DMT	
1/088b8701.d	5099627015,	S/12741	SAMPLE	1	8082r	6/27/14	02:51	DMT	✓
1/089f8701.d	5099627016,	S/12741	SAMPLE	1	8082f	6/27/14	02:51	DMT	
1/089b8801.d	5099627016,	S/12741	SAMPLE	1	8082r	6/27/14	02:56	DMT	✓
1/090f8801.d	5099627017,	S/12741	SAMPLE	1	8082f	6/27/14	02:56	DMT	
1/090b8901.d	5099627017,	S/12741	SAMPLE	1	8082r	6/27/14	03:02	DMT	✓
1/091f8901.d	5099627018,	S/12741	SAMPLE	1	8082f	6/27/14	03:02	DMT	
1/011f9001.d	CCV, 71159:1	N/12692	CCALIB_4	1	8082f	6/27/14	03:08	DMT	good
1/091b9001.d	5099627018,	S/12741	SAMPLE	1	8082r	6/27/14	03:08	DMT	✓
1/011b9101.d	CCV, 71159:1	N/12692	CCALIB_4	1	8082r	6/27/14	03:14	DMT	good
1/092f9101.d	1117946,	S/12742	BLANK	1	8082f	6/27/14	03:14	DMT	
1/092b9201.d	1117946,	S/12742	BLANK	1	8082r	6/27/14	03:20	DMT	✓
1/093f9201.d	1117947,	S/12742	LCS	1	8082f	6/27/14	03:20	DMT	
1/093b9301.d	1117947,	S/12742	LCS	1	8082r	6/27/14	03:26	DMT	✓
1/094f9301.d	5099688004,	S/12742	SAMPLE	1	8082f	6/27/14	03:26	DMT	
1/094b9401.d	5099688004,	S/12742	SAMPLE	1	8082r	6/27/14	03:31	DMT	✓
1/095f9401.d	5099688005,	S/12742	SAMPLE	1	8082f	6/27/14	03:31	DMT	
1/095b9501.d	5099688005,	S/12742	SAMPLE	1	8082r	6/27/14	03:37	DMT	✓
1/096f9501.d	5099688006,	S/12742	SAMPLE	1	8082f	6/27/14	03:37	DMT	
1/096b9601.d	5099688006,	S/12742	SAMPLE	1	8082r	6/27/14	03:43	DMT	✓
1/097f9601.d	5099688007,	S/12742	SAMPLE	1	8082f	6/27/14	03:43	DMT	
1/097b9701.d	5099688007,	S/12742	SAMPLE	1	8082r	6/27/14	03:49	DMT	✓
1/098f9701.d	5099688008,	S/12742	SAMPLE	1	8082f	6/27/14	03:49	DMT	
1/098b9801.d	5099688008,	S/12742	SAMPLE	1	8082r	6/27/14	03:55	DMT	✓
1/099f9801.d	1117948,	S/12742	MS	1	8082f	6/27/14	03:55	DMT	
1/099b9901.d	1117948,	S/12742	MS	1	8082r	6/27/14	04:00	DMT	✓
1/100f9901.d	1117949,	S/12742	MSD	1	8082f	6/27/14	04:00	DMT	

File Path 1: \\192.168.50.6\chem\50GCS8.i\062614.b
 Matrix Codes: [G]as, [L]iquid, [S]olid, [N]one
 Report Date: 17:51 06/27/2014

DT 6-27-14

INSTRUMENT RUN LOG
Pace Analytical Services, Inc.

Instrument: 50GCS8.i
 Column 0m X 0mm H2
 Misc. Prep Info [L]:
 Misc. Prep Info [S]:
 ISTD lot:
 Tune std: _____

Method:

Surr. lot:
 Cal. std: _____

Path/File	Smp Info	Mtrx/Batch	Type	DF	Method	Date	Time	Oper	Comments
1/100ba001.d	1117949,	S/12742	MSD	1	8082r	6/27/14	04:06	DMT	/
1/101fa001.d	5099576007,	S/12742	SAMPLE	1	8082f	6/27/14	04:06	DMT	
1/011fa101.d	CCV,71159:1	N/12692	CCALIB_4	1	8082f	6/27/14	04:12	DMT	good
1/101ba101.d	5099576007,	S/12742	SAMPLE	1	8082r	6/27/14	04:12	DMT	/
1/011ba201.d	CCV,71159:1	N/12692	CCALIB_4	1	8082r	6/27/14	04:18	DMT	good
1/102fa201.d	1117074,	S/12743	BLANK	1	8082f	6/27/14	04:18	DMT	
1/102ba301.d	1117074,	S/12743	BLANK	1	8082r	6/27/14	04:24	DMT	/
1/103fa301.d	1117075,	S/12743	LCS	1	8082f	6/27/14	04:24	DMT	
1/103ba401.d	1117075,	S/12743	LCS	1	8082r	6/27/14	04:30	DMT	/
1/104fa401.d	5099727001,	S/12743	SAMPLE	1	8082f	6/27/14	04:30	DMT	1260<RL
1/104ba501.d	5099727001,	S/12743	SAMPLE	1	8082r	6/27/14	04:35	DMT	✓ 1260<RL
1/105fa501.d	5099655001,	S/12743	SAMPLE	1	8082f	6/27/14	04:35	DMT	1260
1/105ba601.d	5099655001,	S/12743	SAMPLE	1	8082r	6/27/14	04:41	DMT	/ 1260
1/106fa601.d	5099655002,	S/12743	SAMPLE	1	8082f	6/27/14	04:41	DMT	1260
1/106ba701.d	5099655002,	S/12743	SAMPLE	1	8082r	6/27/14	04:47	DMT	✓ 1260
1/107fa701.d	5099655003,	S/12743	SAMPLE	1	8082f	6/27/14	04:47	DMT	1260
1/107ba801.d	5099655003,	S/12743	SAMPLE	1	8082r	6/27/14	04:53	DMT	✓ 1260
1/108fa801.d	5099655004,	S/12743	SAMPLE	1	8082f	6/27/14	04:53	DMT	500x
1/108ba901.d	5099655004,	S/12743	SAMPLE	1	8082r	6/27/14	04:59	DMT	↓
1/109fa901.d	5099655005,	S/12743	SAMPLE	1	8082f	6/27/14	04:59	DMT	20x
1/109baa01.d	5099655005,	S/12743	SAMPLE	1	8082r	6/27/14	05:04	DMT	↓
1/110faa01.d	5099655006,	S/12743	SAMPLE	1	8082f	6/27/14	05:04	DMT	10x
1/110bab01.d	5099655006,	S/12743	SAMPLE	1	8082r	6/27/14	05:10	DMT	↓
1/111fab01.d	5099655007,	S/12743	SAMPLE	1	8082f	6/27/14	05:10	DMT	10x
1/111bac01.d	5099655007,	S/12743	SAMPLE	1	8082r	6/27/14	05:16	DMT	↓
1/112fac01.d	5099655008,	S/12743	SAMPLE	1	8082f	6/27/14	05:16	DMT	1260
1/112bad01.d	5099655008,	S/12743	SAMPLE	1	8082r	6/27/14	05:22	DMT	✓ 1260
1/113fad01.d	5099655009,	S/12743	SAMPLE	1	8082f	6/27/14	05:22	DMT	1260
1/113bae01.d	5099655009,	S/12743	SAMPLE	1	8082r	6/27/14	05:28	DMT	✓ 1260
1/114fae01.d	5099655010,	S/12743	SAMPLE	1	8082f	6/27/14	05:28	DMT	1260
1/114baf01.d	5099655010,	S/12743	SAMPLE	1	8082r	6/27/14	05:34	DMT	✓ 1260
1/115faf01.d	5099655011,	S/12743	SAMPLE	1	8082f	6/27/14	05:34	DMT	20x
1/115bag01.d	5099655011,	S/12743	SAMPLE	1	8082r	6/27/14	05:40	DMT	20x

File Path 1: \\192.168.50.6\chem\50GCS8.i\062614.b
 Matrix Codes: [G]as, [L]iquid, [S]olid, [N]one
 Report Date: 17:51 06/27/2014

DT 6-27-14

INSTRUMENT RUN LOG
Pace Analytical Services, Inc.

Instrument: 50GCS8.i
 Column Om X Omm H2
 Misc. Prep Info [L]:
 Misc. Prep Info [S]:
 ISTD lot:
 Tune std: _____

Method:

Surr. lot:
 Cal. std: _____

Path/File	Smp Info	Mtrx/Batch	Type	DF	Method	Date	Time	Oper	Comments
1/116fag01.d	5099655012,	S/12743	SAMPLE	1	8082f	6/27/14	05:40	DMT	20x
1/116bah01.d	5099655012,	S/12743	SAMPLE	1	8082r	6/27/14	05:45	DMT	20x
1/117fah01.d	5099655013,	S/12743	SAMPLE	1	8082f	6/27/14	05:45	DMT	500x
1/117bai01.d	5099655013,	S/12743	SAMPLE	1	8082r	6/27/14	05:51	DMT	500x
1/118fai01.d	5099655014,	S/12743	SAMPLE	1	8082f	6/27/14	05:51	DMT	1260
1/118baj01.d	5099655014,	S/12743	SAMPLE	1	8082r	6/27/14	05:57	DMT	✓ 1260
1/119faj01.d	5099655015,	S/12743	SAMPLE	1	8082f	6/27/14	05:57	DMT	1000x
1/119bak01.d	5099655015,	S/12743	SAMPLE	1	8082r	6/27/14	06:03	DMT	1000x
1/120fak01.d	5099655016,	S/12743	SAMPLE	1	8082f	6/27/14	06:03	DMT	1000x
1/120bal01.d	5099655016,	S/12743	SAMPLE	1	8082r	6/27/14	06:09	DMT	1000x
1/121fal01.d	5099655017,	S/12743	SAMPLE	1	8082f	6/27/14	06:09	DMT	20x
1/121bam01.d	5099655017,	S/12743	SAMPLE	1	8082r	6/27/14	06:15	DMT	20x
1/122fam01.d	1117076,	S/12743	MS	1	8082f	6/27/14	06:15	DMT	50x
1/122ban01.d	1117076,	S/12743	MS	1	8082r	6/27/14	06:20	DMT	50x
1/123fan01.d	1117077,	S/12743	MSD	1	8082f	6/27/14	06:20	DMT	50x
1/123bao01.d	1117077,	S/12743	MSD	1	8082r	6/27/14	06:26	DMT	↓
1/124fao01.d	5099655018,	S/12743	SAMPLE	1	8082f	6/27/14	06:26	DMT	10x
1/124bap01.d	5099655018,	S/12743	SAMPLE	1	8082r	6/27/14	06:32	DMT	↓
1/125fap01.d	5099655019,	S/12743	SAMPLE	1	8082f	6/27/14	06:32	DMT	50x
1/011faq01.d	CCV,71159:1	N/12692	CCALIB_4	1	8082f	6/27/14	06:38	DMT	good
1/125baq01.d	5099655019,	S/12743	SAMPLE	1	8082r	6/27/14	06:38	DMT	50x
1/001far01.d	HEXANE 62052	N/	SAMPLE	1	8082f	6/27/14	06:44	DMT	
1/011bar01.d	CCV,71159:1	N/12692	CCALIB_4	1	8082r	6/27/14	06:44	DMT	good

DT 6-27-14

File Path 1: \\192.168.50.6\chem\50GCS8.i\062614.b
 Matrix Codes: [G]as, [L]iquid, [S]olid, [N]one
 Report Date: 17:51 06/27/2014

INSTRUMENT RUN LOG
Pace Analytical Services, Inc.

Instrument: 50GCS8.i
 Column Om X Omm H2
 Misc. Prep Info [L]:
 Misc. Prep Info [S]:
 ISTD lot:
 Tune std: _____

Method:

Surr. lot:
 Cal. std: _____

Path/File	Smp Info	Mtrx/Batch	Type	DF	Method	Date	Time	Oper	Comments
1/001f0101.d	HEXANE 62052	N/	SAMPLE	1	8082f	6/27/14	13:27	DMT	
1/002b0101.d	HEXANE 62052	N/	SAMPLE	1	8082r	6/27/14	13:27	DMT	
1/001f0201.d	HEXANE 62052	N/	SAMPLE	1	8082f	6/27/14	13:36	DMT	
1/002b0201.d	HEXANE 62052	N/	SAMPLE	1	8082r	6/27/14	13:36	DMT	
1/001f0301.d	HEXANE 62052	N/	SAMPLE	1	8082f	6/27/14	13:51	DMT	
1/002b0301.d	HEXANE 62052	N/	SAMPLE	1	8082r	6/27/14	13:51	DMT	
1/001f0401.d	HEXANE 62052	N/	SAMPLE	1	8082f	6/27/14	13:56	DMT	
1/002b0401.d	HEXANE 62052	N/	SAMPLE	1	8082r	6/27/14	13:56	DMT	
1/001f0501.d	HEXANE 62052	N/	SAMPLE	1	8082f	6/27/14	14:02	DMT	
1/002b0501.d	HEXANE 62052	N/	SAMPLE	1	8082r	6/27/14	14:02	DMT	
1/002b0601.d	HEXANE 62052	N/	SAMPLE	1	8082r	6/27/14	14:08	DMT	
1/011f0601.d	CCV, 71569:1	N/12692	CCALIB_4	1	8082f	6/27/14	14:08	DMT	good
1/003f0701.d	CAL1B, 71570:1	N/	CALIB_1	1	8082f	6/27/14	14:14	DMT	
1/011b0701.d	CCV, 71569:1	N/12692	CCALIB_4	1	8082r	6/27/14	14:14	DMT	good
1/003b0801.d	CAL1B, 71570:1	N/	CALIB_1	1	8082r	6/27/14	14:20	DMT	
1/004f0801.d	CAL2B, 71571:1	N/	CALIB_2	1	8082f	6/27/14	14:20	DMT	
1/004b0901.d	CAL2B, 71571:1	N/	CALIB_2	1	8082r	6/27/14	14:25	DMT	
1/005f0901.d	CAL3B, 71572:1	N/	CALIB_3	1	8082f	6/27/14	14:25	DMT	
1/005b1001.d	CAL3B, 71572:1	N/	CALIB_3	1	8082r	6/27/14	14:31	DMT	
1/006f1001.d	CAL4B, 71573:1	N/	CALIB_4	1	8082f	6/27/14	14:31	DMT	
1/006b1101.d	CAL4B, 71573:1	N/	CALIB_4	1	8082r	6/27/14	14:37	DMT	
1/007f1101.d	CAL5B, 71574:1	N/	CALIB_5	1	8082f	6/27/14	14:37	DMT	
1/007b1201.d	CAL5B, 71574:1	N/	CALIB_5	1	8082r	6/27/14	14:43	DMT	
1/008f1201.d	CAL6B, 71575:1	N/	CALIB_6	1	8082f	6/27/14	14:43	DMT	good 1242 KAL Avg RF from
1/008b1301.d	CAL6B, 71575:1	N/	CALIB_6	1	8082r	6/27/14	14:48	DMT	↓ on column
1/009f1301.d	ICV, 71576:1	N/	CCALIB_4	1	8082f	6/27/14	14:48	DMT	good
1/009b1401.d	ICV, 71576:1	N/	CCALIB_4	1	8082r	6/27/14	14:54	DMT	good
1/012f1401.d	1248C1, 71582:1	N/	CALIB_1	1	8082f	6/27/14	14:54	DMT	
1/012b1501.d	1248C1, 71582:1	N/	CALIB_1	1	8082r	6/27/14	15:00	DMT	
1/013f1501.d	1248C2, 71583:1	N/	CALIB_2	1	8082f	6/27/14	15:00	DMT	
1/013b1601.d	1248C2, 71583:1	N/	CALIB_2	1	8082r	6/27/14	15:06	DMT	
1/014f1601.d	1248C3, 71584:1	N/	CALIB_3	1	8082f	6/27/14	15:06	DMT	
1/014b1701.d	1248C3, 71584:1	N/	CALIB_3	1	8082r	6/27/14	15:12	DMT	

File Path 1: \\192.168.50.6\chem\50GCS8.i\062714.b
 Matrix Codes: [G]as, [L]iquid, [S]olid, [N]one
 Report Date: 19:45 06/28/2014

DT 6-28-14

INSTRUMENT RUN LOG
Pace Analytical Services, Inc.

Instrument: 50GCS8.i
 Column Om X Omm H2
 Misc. Prep Info [L]:
 Misc. Prep Info [S]:
 ISTD lot:
 Tune std: _____

Method:

Surr. lot:
 Cal. std: _____

Path/File	Smp Info	Mtrx/Batch	Type	DF	Method	Date	Time	Oper	Comments
1/015f1701.d	1248C4,71585:1	N/	CALIB_4	1	8082f	6/27/14	15:12	DMT	
1/015b1801.d	1248C4,71585:1	N/	CALIB_4	1	8082r	6/27/14	15:17	DMT	
1/016f1801.d	1248C5,71586:1	N/	CALIB_5	1	8082f	6/27/14	15:17	DMT	
1/016b1901.d	1248C5,71586:1	N/	CALIB_5	1	8082r	6/27/14	15:23	DMT	
1/017f1901.d	1248C6,71587:1	N/	CALIB_6	1	8082f	6/27/14	15:23	DMT	good 48 CAL Avg RF up to
1/017b2001.d	1248C6,71587:1	N/	CALIB_6	1	8082r	6/27/14	15:29	DMT	↓ 1ppm on column
1/018f2001.d	1248ICV,71588:1	N/	CCALIB_4	1	8082f	6/27/14	15:29	DMT	good
1/018b2101.d	1248ICV,71588:1	N/	CCALIB_4	1	8082r	6/27/14	15:35	DMT	good
1/021f2101.d	5099241001,	L/12738	SAMPLE	1	8082f	6/27/14	15:35	DMT	1248
1/021b2201.d	5099241001,	L/12738	SAMPLE	1	8082r	6/27/14	15:41	DMT	✓ 1248 called
1/022f2201.d	5099655020x50,	S/12740	SAMPLE	50	8082f	6/27/14	15:41	DMT	rerun 1000x
1/011f2301.d	CCV,71569:1	N/12692	CCALIB_4	1	8082f	6/27/14	15:46	DMT	good
1/022b2301.d	5099655020x50,	S/12740	SAMPLE	50	8082r	6/27/14	15:46	DMT	rerun 1000x
1/001f2401.d	HEXANE 62052	N/	SAMPLE	1	8082f	6/27/14	15:52	DMT	
1/011b2401.d	CCV,71569:1	N/12692	CCALIB_4	1	8082r	6/27/14	15:52	DMT	good
1/051f0101.d	HEXANE 62052	N/	SAMPLE	1	8082f	6/27/14	18:43	DMT	
1/052b0101.d	HEXANE 62052	N/	SAMPLE	1	8082r	6/27/14	18:43	DMT	
1/051f0201.d	HEXANE 62052	N/	SAMPLE	1	8082f	6/27/14	18:49	DMT	
1/052b0201.d	HEXANE 62052	N/	SAMPLE	1	8082r	6/27/14	18:49	DMT	
1/051f0301.d	HEXANE 62052	N/	SAMPLE	1	8082f	6/27/14	18:55	DMT	
1/052b0301.d	HEXANE 62052	N/	SAMPLE	1	8082r	6/27/14	18:55	DMT	
1/052b0401.d	HEXANE 62052	N/	SAMPLE	1	8082r	6/27/14	19:01	DMT	
1/053f0401.d	CCV,71569:1	N/12692	CCALIB_4	1	8082f	6/27/14	19:01	DMT	good
1/053b0501.d	CCV,71569:1	N/12692	CCALIB_4	1	8082r	6/27/14	19:06	DMT	good
1/061f0501.d	5099655020x1000,	S/12740	SAMPLE	1000	8082f	6/27/14	19:06	DMT	1260
1/061b0601.d	5099655020x1000,	S/12740	SAMPLE	1000	8082r	6/27/14	19:12	DMT	✓
1/062f0601.d	5099655004x500,	S/12743	SAMPLE	500	8082f	6/27/14	19:12	DMT	
1/062b0701.d	5099655004x500,	S/12743	SAMPLE	500	8082r	6/27/14	19:18	DMT	✓
1/063f0701.d	5099655005x20,	S/12743	SAMPLE	20	8082f	6/27/14	19:18	DMT	
1/063b0801.d	5099655005x20,	S/12743	SAMPLE	20	8082r	6/27/14	19:24	DMT	✓
1/064f0801.d	5099655006x10,	S/12743	SAMPLE	10	8082f	6/27/14	19:24	DMT	
1/064b0901.d	5099655006x10,	S/12743	SAMPLE	10	8082r	6/27/14	19:30	DMT	✓
1/065f0901.d	5099655007x10,	S/12743	SAMPLE	10	8082f	6/27/14	19:30	DMT	↓

File Path 1: \\192.168.50.6\chem\50GCS8.i\062714.b
 Matrix Codes: [G]as, [L]iquid, [S]olid, [N]one
 Report Date: 19:45 06/28/2014

DT 6-28-14

INSTRUMENT RUN LOG
Pace Analytical Services, Inc.

Instrument: 50GCS8.i
 Column Om X Omm H2
 Misc. Prep Info [L]:
 Misc. Prep Info [S]:
 ISTD lot:
 Tune std: _____

Method:

Surr. lot:
 Cal. std: _____

Path/File	Smp Info	Mtrrx/Batch	Type	DF	Method	Date	Time	Oper	Comments
1/065b1001.d	5099655007x10,	S/12743	SAMPLE	10	8082r	6/27/14	19:35	DMT	✓ 1260
1/066f1001.d	5099655011x200,	S/12743	SAMPLE	200	8082f	6/27/14	19:35	DMT	
1/066b1101.d	5099655011x200,	S/12743	SAMPLE	200	8082r	6/27/14	19:41	DMT	✓
1/067f1101.d	5099655012x20,	S/12743	SAMPLE	20	8082f	6/27/14	19:41	DMT	
1/067b1201.d	5099655012x20,	S/12743	SAMPLE	20	8082r	6/27/14	19:47	DMT	✓
1/068f1201.d	5099655015x500,	S/12743	SAMPLE	500	8082f	6/27/14	19:47	DMT	
1/068b1301.d	5099655015x500,	S/12743	SAMPLE	500	8082r	6/27/14	19:53	DMT	✓
1/069f1301.d	5099655015x1000,	S/12743	SAMPLE	1000	8082f	6/27/14	19:53	DMT	
1/069b1401.d	5099655015x1000,	S/12743	SAMPLE	1000	8082r	6/27/14	19:59	DMT	✓
1/070f1401.d	5099655016x1000,	S/12743	SAMPLE	1000	8082f	6/27/14	19:59	DMT	
1/070b1501.d	5099655016x1000,	S/12743	SAMPLE	1000	8082r	6/27/14	20:04	DMT	✓
1/071f1501.d	5099655017x20,	S/12743	SAMPLE	20	8082f	6/27/14	20:04	DMT	
1/071b1601.d	5099655017x20,	S/12743	SAMPLE	20	8082r	6/27/14	20:10	DMT	✓
1/072f1601.d	1117076x50,	S/12743	MS	50	8082f	6/27/14	20:10	DMT	
1/072b1701.d	1117076x50,	S/12743	MS	50	8082r	6/27/14	20:16	DMT	
1/073f1701.d	1117077x50,	S/12743	MSD	50	8082f	6/27/14	20:16	DMT	
1/073b1801.d	1117077x50,	S/12743	MSD	50	8082r	6/27/14	20:22	DMT	
1/074f1801.d	5099655018x10,	S/12743	SAMPLE	10	8082f	6/27/14	20:22	DMT	
1/074b1901.d	5099655018x10,	S/12743	SAMPLE	10	8082r	6/27/14	20:27	DMT	✓
1/075f1901.d	5099655019x50,	S/12743	SAMPLE	50	8082f	6/27/14	20:27	DMT	
1/075b2001.d	5099655019x50,	S/12743	SAMPLE	50	8082r	6/27/14	20:33	DMT	✓
1/076f2001.d	5099655021x500,	S/12741	SAMPLE	500	8082f	6/27/14	20:33	DMT	
1/053f2101.d	CCV, 71569:1	N/12692	CCALIB_4	1	8082f	6/27/14	20:39	DMT	good
1/076b2101.d	5099655021x500,	S/12741	SAMPLE	500	8082r	6/27/14	20:39	DMT	✓
1/051f2201.d	HEXANE 62052	N/	SAMPLE	1	8082f	6/27/14	20:45	DMT	
1/053b2201.d	CCV, 71569:1	N/12692	CCALIB_4	1	8082r	6/27/14	20:45	DMT	good

DT 6-28-14

File Path 1: \\192.168.50.6\chem\50GCS8.i\062714.b
 Matrix Codes: [G]as, [L]iquid, [S]olid, [N]one
 Report Date: 19:45 06/28/2014

INSTRUMENT RUN LOG
Pace Analytical Services, Inc.

Instrument: 50GCS8.i
 Column Om X Omm H2
 Misc. Prep Info [L]:
 Misc. Prep Info [S]:
 ISTD lot:
 Tune std: _____

Method:

Surr. lot: _____
 Cal. std: _____

Path/File	Smp Info	Mtrx/Batch	Type	DF	Method	Date	Time	Oper	Comments
1/001f0101.d	HEXANE 62052	N/	SAMPLE	1	8082f	7/01/14	12:37	DMT	
1/002b0101.d	HEXANE 62052	N/	SAMPLE	1	8082r	7/01/14	12:37	DMT	
1/001f0201.d	HEXANE 62052	N/	SAMPLE	1	8082f	7/01/14	12:46	DMT	
1/002b0201.d	HEXANE 62052	N/	SAMPLE	1	8082r	7/01/14	12:46	DMT	
1/001f0301.d	HEXANE 62052	N/	SAMPLE	1	8082f	7/01/14	13:01	DMT	
1/002b0301.d	HEXANE 62052	N/	SAMPLE	1	8082r	7/01/14	13:01	DMT	
1/001f0401.d	HEXANE 62052	N/	SAMPLE	1	8082f	7/01/14	13:07	DMT	
1/002b0401.d	HEXANE 62052	N/	SAMPLE	1	8082r	7/01/14	13:07	DMT	
1/001f0501.d	HEXANE 62052	N/	SAMPLE	1	8082f	7/01/14	13:12	DMT	
1/002b0501.d	HEXANE 62052	N/	SAMPLE	1	8082r	7/01/14	13:12	DMT	
1/002b0601.d	HEXANE 62052	N/	SAMPLE	1	8082r	7/01/14	13:18	DMT	
1/011f0601.d	CCV, 71159:1	N/12692	CCALIB_4	1	8082f	7/01/14	13:18	DMT	good
1/003f0701.d	1221 1000 ppb	N/	SAMPLE	1	8082f	7/01/14	13:24	DMT	sample for
1/011b0701.d	CCV, 71569:1	N/12692	CCALIB_4	1	8082r	7/01/14	13:24	DMT	good" reference only
1/003b0801.d	1221 1000 ppb	N/	SAMPLE	1	8082r	7/01/14	13:29	DMT	
1/004f0801.d	1232 500 ppb	N/	SAMPLE	1	8082f	7/01/14	13:29	DMT	
1/004b0901.d	1232 500 ppb	N/	SAMPLE	1	8082r	7/01/14	13:35	DMT	
1/005f0901.d	1242 500 ppb	N/	SAMPLE	1	8082f	7/01/14	13:35	DMT	
1/005b1001.d	1242 500 ppb	N/	SAMPLE	1	8082r	7/01/14	13:41	DMT	
1/006f1001.d	1248 500 ppb	N/	SAMPLE	1	8082f	7/01/14	13:41	DMT	
1/006b1101.d	1248 500 ppb	N/	SAMPLE	1	8082r	7/01/14	13:47	DMT	
1/007f1101.d	1254 500 ppb	N/	SAMPLE	1	8082f	7/01/14	13:47	DMT	
1/007b1201.d	1254 500 ppb	N/	SAMPLE	1	8082r	7/01/14	13:53	DMT	
1/008f1201.d	1262 500 ppb	N/	SAMPLE	1	8082f	7/01/14	13:53	DMT	
1/008b1301.d	1262 500 ppb	N/	SAMPLE	1	8082r	7/01/14	13:58	DMT	
1/009f1301.d	1268 500 ppb	N/	SAMPLE	1	8082f	7/01/14	13:58	DMT	
1/009b1401.d	1268 500 ppb	N/	SAMPLE	1	8082r	7/01/14	14:04	DMT	
1/011f1401.d	CCV, 71569:1	N/12692	CCALIB_4	1	8082f	7/01/14	14:04	DMT	good
1/011b1501.d	CCV, 71569:1	N/12692	CCALIB_4	1	8082r	7/01/14	14:10	DMT	good
1/021f1501.d	1119292,	L/12769	BLANK	1	8082f	7/01/14	14:10	DMT	
1/021b1601.d	1119292,	L/12769	BLANK	1	8082r	7/01/14	14:16	DMT	✓
1/022f1601.d	1119293,	L/12769	LCS	1	8082f	7/01/14	14:16	DMT	
1/022b1701.d	1119293,	L/12769	LCS	1	8082r	7/01/14	14:21	DMT	✓

DT 7-2-14

File Path 1: \\192.168.50.6\chem\50GCS8.i\070114.b
 Matrix Codes: [G]as, [L]iquid, [S]olid, [N]one
 Report Date: 13:37 07/02/2014

INSTRUMENT RUN LOG
Pace Analytical Services, Inc.

Instrument: 50GCS8.i
 Column 0m X 0mm H2
 Misc. Prep Info [L]:
 Misc. Prep Info [S]:
 ISTD lot:
 Tune std: _____

Method:

Surr. lot: _____
 Cal. std: _____

Path/File	Smp Info	Mtrx/Batch	Type	DF	Method	Date	Time	Oper	Comments
1/023f1701.d	5099903001,	L/12769	SAMPLE	1	8082f	7/01/14	14:21	DMT	
1/023b1801.d	5099903001,	L/12769	SAMPLE	1	8082r	7/01/14	14:27	DMT	✓
1/024f1801.d	5099903002,	L/12769	SAMPLE	1	8082f	7/01/14	14:27	DMT	
1/024b1901.d	5099903002,	L/12769	SAMPLE	1	8082r	7/01/14	14:33	DMT	✓
1/025f1901.d	5099903003,	L/12769	SAMPLE	1	8082f	7/01/14	14:33	DMT	
1/025b2001.d	5099903003,	L/12769	SAMPLE	1	8082r	7/01/14	14:39	DMT	✓
1/026f2001.d	5099919001,	L/12769	SAMPLE	1	8082f	7/01/14	14:39	DMT	
1/011f2101.d	CCV, 71569:1	N/12692	CCALIB_4	1	8082f	7/01/14	14:45	DMT	good
1/026b2101.d	5099919001,	L/12769	SAMPLE	1	8082r	7/01/14	14:45	DMT	✓
1/011b2201.d	CCV, 71569:1	N/12692	CCALIB_4	1	8082r	7/01/14	14:50	DMT	good
1/027f2201.d	1120630,	L/12771	BLANK	1	8082f	7/01/14	14:50	DMT	
1/027b2301.d	1120630,	L/12771	BLANK	1	8082r	7/01/14	14:56	DMT	✓
1/028f2301.d	1120631,	L/12771	LCS	1	8082f	7/01/14	14:56	DMT	
1/028b2401.d	1120631,	L/12771	LCS	1	8082r	7/01/14	15:02	DMT	
1/029f2401.d	50100093001,	L/12771	SAMPLE	1	8082f	7/01/14	15:02	DMT	Copper clean
1/029b2501.d	50100093001,	L/12771	SAMPLE	1	8082r	7/01/14	15:08	DMT	↓
1/030f2501.d	50100093002,	L/12771	SAMPLE	1	8082f	7/01/14	15:08	DMT	
1/030b2601.d	50100093002,	L/12771	SAMPLE	1	8082r	7/01/14	15:13	DMT	✓
1/031f2601.d	50100093003,	L/12771	SAMPLE	1	8082f	7/01/14	15:13	DMT	48 < RL
1/031b2701.d	50100093003,	L/12771	SAMPLE	1	8082r	7/01/14	15:19	DMT	✓ 48 < RL
1/032f2701.d	50100093004,	L/12771	SAMPLE	1	8082f	7/01/14	15:19	DMT	
1/032b2801.d	50100093004,	L/12771	SAMPLE	1	8082r	7/01/14	15:25	DMT	✓
1/033f2801.d	50100093005,	L/12771	SAMPLE	1	8082f	7/01/14	15:25	DMT	
1/033b2901.d	50100093005,	L/12771	SAMPLE	1	8082r	7/01/14	15:31	DMT	✓
1/034f2901.d	50100093006,	L/12771	SAMPLE	1	8082f	7/01/14	15:31	DMT	
1/034b3001.d	50100093006,	L/12771	SAMPLE	1	8082r	7/01/14	15:37	DMT	✓
1/035f3001.d	50100093007,	L/12771	SAMPLE	1	8082f	7/01/14	15:37	DMT	
1/035b3101.d	50100093007,	L/12771	SAMPLE	1	8082r	7/01/14	15:42	DMT	✓
1/036f3101.d	1120632,	L/12771	MS	1	8082f	7/01/14	15:42	DMT	
1/036b3201.d	1120632,	L/12771	MS	1	8082r	7/01/14	15:48	DMT	✓
1/037f3201.d	1120633,	L/12771	MSD	1	8082f	7/01/14	15:48	DMT	
1/037b3301.d	1120633,	L/12771	MSD	1	8082r	7/01/14	15:54	DMT	✓
1/038f3301.d	50100093008,	L/12771	SAMPLE	1	8082f	7/01/14	15:54	DMT	

File Path 1: \\192.168.50.6\chem\50GCS8.i\070114.b
 Matrix Codes: [G]as, [L]iquid, [S]olid, [N]one
 Report Date: 13:37 07/02/2014

DT 7-2-14

INSTRUMENT RUN LOG
Pace Analytical Services, Inc.

Instrument: 50GCS8.i
 Column Om X Omm H2
 Misc. Prep Info [L]:
 Misc. Prep Info [S]:
 ISTD lot:
 Tune std: _____

Method:

Surr. lot:
 Cal. std: _____

Path/File	Smp Info	Mtrx/Batch	Type	DF	Method	Date	Time	Oper	Comments
1/011f3401.d	CCV, 71569:1	N/12692	CCALIB_4	1	8082f	7/01/14	16:00	DMT	good
1/038b3401.d	50100093008,	L/12771	SAMPLE	1	8082r	7/01/14	16:00	DMT	/
1/011b3501.d	CCV, 71569:1	N/12692	CCALIB_4	1	8082r	7/01/14	16:06	DMT	good
1/039f3501.d	1120236,	S/12772	BLANK	1	8082f	7/01/14	16:06	DMT	
1/039b3601.d	1120236,	S/12772	BLANK	1	8082r	7/01/14	16:11	DMT	/
1/040f3601.d	1120237,	S/12772	LCS	1	8082f	7/01/14	16:11	DMT	
1/040b3701.d	1120237,	S/12772	LCS	1	8082r	7/01/14	16:17	DMT	/
1/041f3701.d	5099874002x10,	S/12772	SAMPLE	10	8082f	7/01/14	16:17	DMT	1254
1/041b3801.d	5099874002x10,	S/12772	SAMPLE	10	8082r	7/01/14	16:23	DMT	✓ 1254 / D3
1/042f3801.d	5099874003x5,	S/12772	SAMPLE	5	8082f	7/01/14	16:23	DMT	return 100X
1/042b3901.d	5099874003x5,	S/12772	SAMPLE	5	8082r	7/01/14	16:29	DMT	↓
1/043f3901.d	5099979011,	S/12772	SAMPLE	1	8082f	7/01/14	16:29	DMT	
1/043b4001.d	5099979011,	S/12772	SAMPLE	1	8082r	7/01/14	16:34	DMT	/
1/044f4001.d	1120238,	S/12772	MS	1	8082f	7/01/14	16:34	DMT	
1/044b4101.d	1120238,	S/12772	MS	1	8082r	7/01/14	16:40	DMT	✓
1/045f4101.d	1120239,	S/12772	MSD	1	8082f	7/01/14	16:40	DMT	
1/045b4201.d	1120239,	S/12772	MSD	1	8082r	7/01/14	16:46	DMT	/
1/046f4201.d	50100044003x5,	S/12772	SAMPLE	5	8082f	7/01/14	16:46	DMT	1254
1/011f4301.d	CCV, 71569:1	N/12692	CCALIB_4	1	8082f	7/01/14	16:52	DMT	good
1/046b4301.d	50100044003x5,	S/12772	SAMPLE	5	8082r	7/01/14	16:52	DMT	✓ 1254
1/011b4401.d	CCV, 71569:1	N/12692	CCALIB_4	1	8082r	7/01/14	16:58	DMT	good
1/047f4401.d	1118946,	S/12768	BLANK	1	8082f	7/01/14	16:58	DMT	
1/047b4501.d	1118946,	S/12768	BLANK	1	8082r	7/01/14	17:03	DMT	✓
1/048f4501.d	1118947,	S/12768	LCS	1	8082f	7/01/14	17:03	DMT	
1/048b4601.d	1118947,	S/12768	LCS	1	8082r	7/01/14	17:09	DMT	/
1/049f4601.d	5099688009,	S/12768	SAMPLE	1	8082f	7/01/14	17:09	DMT	
1/049b4701.d	5099688009,	S/12768	SAMPLE	1	8082r	7/01/14	17:15	DMT	/
1/050f4701.d	5099688010,	S/12768	SAMPLE	1	8082f	7/01/14	17:15	DMT	
1/050b4801.d	5099688010,	S/12768	SAMPLE	1	8082r	7/01/14	17:21	DMT	/
1/051f4801.d	5099688011,	S/12768	SAMPLE	1	8082f	7/01/14	17:21	DMT	Copper clean
1/051b4901.d	5099688011,	S/12768	SAMPLE	1	8082r	7/01/14	17:26	DMT	
1/052f4901.d	5099688012,	S/12768	SAMPLE	1	8082f	7/01/14	17:26	DMT	
1/052b5001.d	5099688012,	S/12768	SAMPLE	1	8082r	7/01/14	17:32	DMT	↓ +10 ↓

File Path 1: \\192.168.50.6\chem\50GCS8.i\070114.b
 Matrix Codes: [G]as, [L]iquid, [S]olid, [N]one
 Report Date: 13:37 07/02/2014

DT 7-2-14

INSTRUMENT RUN LOG
Pace Analytical Services, Inc.

Instrument: 50GCS8.i
 Column Om X Omm H2
 Misc. Prep Info [L]:
 Misc. Prep Info [S]:
 ISTD lot:
 Tune std: _____

Method:

Surr. lot:
 Cal. std: _____

Path/File	Smp Info	Mtrx/Batch	Type	DF	Method	Date	Time	Oper	Comments
1/053f5001.d	5099889001,	S/12768	SAMPLE	1	8082f	7/01/14	17:32	DMT	
1/053b5101.d	5099889001,	S/12768	SAMPLE	1	8082r	7/01/14	17:38	DMT	✓
1/054f5101.d	5099889003,	S/12768	SAMPLE	1	8082f	7/01/14	17:38	DMT	
1/054b5201.d	5099889003,	S/12768	SAMPLE	1	8082r	7/01/14	17:44	DMT	✓
1/055f5201.d	5099889005,	S/12768	SAMPLE	1	8082f	7/01/14	17:44	DMT	
1/055b5301.d	5099889005,	S/12768	SAMPLE	1	8082r	7/01/14	17:50	DMT	✓
1/056f5301.d	5099765001,	S/12768	SAMPLE	1	8082f	7/01/14	17:50	DMT	
1/056b5401.d	5099765001,	S/12768	SAMPLE	1	8082r	7/01/14	17:55	DMT	✓
1/057f5401.d	1118948,	S/12768	MS	1	8082f	7/01/14	17:55	DMT	
1/057b5501.d	1118948,	S/12768	MS	1	8082r	7/01/14	18:01	DMT	✓
1/058f5501.d	1118949,	S/12768	MSD	1	8082f	7/01/14	18:01	DMT	
1/058b5601.d	1118949,	S/12768	MSD	1	8082r	7/01/14	18:07	DMT	✓
1/059f5601.d	5099765002,	S/12768	SAMPLE	1	8082f	7/01/14	18:07	DMT	
1/059b5701.d	5099765002,	S/12768	SAMPLE	1	8082r	7/01/14	18:13	DMT	✓
1/060f5701.d	5099765003,	S/12768	SAMPLE	1	8082f	7/01/14	18:13	DMT	
1/060b5801.d	5099765003,	S/12768	SAMPLE	1	8082r	7/01/14	18:18	DMT	✓
1/061f5801.d	5099765004,	S/12768	SAMPLE	1	8082f	7/01/14	18:18	DMT	
1/061b5901.d	5099765004,	S/12768	SAMPLE	1	8082r	7/01/14	18:24	DMT	✓
1/062f5901.d	5099765005,	S/12768	SAMPLE	1	8082f	7/01/14	18:24	DMT	
1/062b6001.d	5099765005,	S/12768	SAMPLE	1	8082r	7/01/14	18:30	DMT	✓
1/063f6001.d	5099765006,	S/12768	SAMPLE	1	8082f	7/01/14	18:30	DMT	
1/063b6101.d	5099765006,	S/12768	SAMPLE	1	8082r	7/01/14	18:36	DMT	✓
1/064f6101.d	5099765007,	S/12768	SAMPLE	1	8082f	7/01/14	18:36	DMT	Copper clean
1/064b6201.d	5099765007,	S/12768	SAMPLE	1	8082r	7/01/14	18:42	DMT	↓
1/065f6201.d	5099765008,	S/12768	SAMPLE	1	8082f	7/01/14	18:42	DMT	
1/065b6301.d	5099765008,	S/12768	SAMPLE	1	8082r	7/01/14	18:47	DMT	✓
1/066f6301.d	5099765009,	S/12768	SAMPLE	1	8082f	7/01/14	18:47	DMT	
1/066b6401.d	5099765009,	S/12768	SAMPLE	1	8082r	7/01/14	18:53	DMT	✓
1/067f6401.d	5099765010,	S/12768	SAMPLE	1	8082f	7/01/14	18:53	DMT	
1/067b6501.d	5099765010,	S/12768	SAMPLE	1	8082r	7/01/14	18:59	DMT	✓
1/068f6501.d	5099765011,	S/12768	SAMPLE	1	8082f	7/01/14	18:59	DMT	Copper clean
1/068b6601.d	5099765011,	S/12768	SAMPLE	1	8082r	7/01/14	19:05	DMT	↓
1/069f6601.d	5099765012,	S/12768	SAMPLE	1	8082f	7/01/14	19:05	DMT	

File Path 1: \\192.168.50.6\chem\50GCS8.i\070114.b
 Matrix Codes: [G]as, [L]iquid, [S]olid, [N]one
 Report Date: 13:37 07/02/2014

DT 7-2-14

INSTRUMENT RUN LOG
Pace Analytical Services, Inc.

Instrument: 50GCS8.i
 Column Om X Omm H2
 Misc. Prep Info [L]:
 Misc. Prep Info [S]:
 ISTD lot:
 Tune std: _____

Method:

Surr. lot:
 Cal. std: _____

Path/File	Smp Info	Mtrx/Batch	Type	DF	Method	Date	Time	Oper	Comments
1/069b6701.d	5099765012,	S/12768	SAMPLE	1	8082r	7/01/14	19:11	DMT	✓
1/070f6701.d	5099765013,	S/12768	SAMPLE	1	8082f	7/01/14	19:11	DMT	
1/011f6801.d	CCV,71569:1	N/12692	CCALIB_4	1	8082f	7/01/14	19:16	DMT	good
1/070b6801.d	5099765013,	S/12768	SAMPLE	1	8082r	7/01/14	19:16	DMT	
1/011b6901.d	CCV,71569:1	N/12692	CCALIB_4	1	8082r	7/01/14	19:22	DMT	good
1/071f6901.d	1120063,	S/12770	BLANK	1	8082f	7/01/14	19:22	DMT	
1/071b7001.d	1120063,	S/12770	BLANK	1	8082r	7/01/14	19:28	DMT	✓
1/072f7001.d	1120064,	S/12770	LCS	1	8082f	7/01/14	19:28	DMT	
1/072b7101.d	1120064,	S/12770	LCS	1	8082r	7/01/14	19:34	DMT	✓
1/073f7101.d	5099765014,	S/12770	SAMPLE	1	8082f	7/01/14	19:34	DMT	
1/073b7201.d	5099765014,	S/12770	SAMPLE	1	8082r	7/01/14	19:40	DMT	✓
1/074f7201.d	1120065,	S/12770	MS	1	8082f	7/01/14	19:40	DMT	
1/074b7301.d	1120065,	S/12770	MS	1	8082r	7/01/14	19:45	DMT	✓
1/075f7301.d	1120066,	S/12770	MSD	1	8082f	7/01/14	19:45	DMT	
1/075b7401.d	1120066,	S/12770	MSD	1	8082r	7/01/14	19:51	DMT	✓
1/076f7401.d	5099765015,	S/12770	SAMPLE	1	8082f	7/01/14	19:51	DMT	
1/076b7501.d	5099765015,	S/12770	SAMPLE	1	8082r	7/01/14	19:57	DMT	✓
1/077f7501.d	5099856001,	S/12770	SAMPLE	1	8082f	7/01/14	19:57	DMT	Copper clean
1/077b7601.d	5099856001,	S/12770	SAMPLE	1	8082r	7/01/14	20:03	DMT	↓
1/078f7601.d	5099856002,	S/12770	SAMPLE	1	8082f	7/01/14	20:03	DMT	
1/078b7701.d	5099856002,	S/12770	SAMPLE	1	8082r	7/01/14	20:08	DMT	
1/079f7701.d	5099856003,	S/12770	SAMPLE	1	8082f	7/01/14	20:08	DMT	
1/079b7801.d	5099856003,	S/12770	SAMPLE	1	8082r	7/01/14	20:14	DMT	
1/080f7801.d	5099856004,	S/12770	SAMPLE	1	8082f	7/01/14	20:14	DMT	
1/080b7901.d	5099856004,	S/12770	SAMPLE	1	8082r	7/01/14	20:20	DMT	✓
1/081f7901.d	5099856012,	S/12770	SAMPLE	1	8082f	7/01/14	20:20	DMT	
1/081b8001.d	5099856012,	S/12770	SAMPLE	1	8082r	7/01/14	20:26	DMT	✓
1/082f8001.d	5099856013,	S/12770	SAMPLE	1	8082f	7/01/14	20:26	DMT	
1/082b8101.d	5099856013,	S/12770	SAMPLE	1	8082r	7/01/14	20:32	DMT	✓
1/083f8101.d	5099916001,	S/12770	SAMPLE	1	8082f	7/01/14	20:32	DMT	Copper clean
1/083b8201.d	5099916001,	S/12770	SAMPLE	1	8082r	7/01/14	20:37	DMT	↓
1/084f8201.d	5099916002,	S/12770	SAMPLE	1	8082f	7/01/14	20:37	DMT	✓
1/084b8301.d	5099916002,	S/12770	SAMPLE	1	8082r	7/01/14	20:43	DMT	

File Path 1: \\192.168.50.6\chem\50GCS8.i\070114.b
 Matrix Codes: [G]as, [L]iquid, [S]olid, [N]one
 Report Date: 13:37 07/02/2014

DT 7-2-14

INSTRUMENT RUN LOG
Pace Analytical Services, Inc.

Instrument: 50GCS8.i
 Column Om X Omm H2
 Misc. Prep Info [L]:
 Misc. Prep Info [S]:
 ISTD lot:
 Tune std: _____

Method:

Surr. lot: _____
 Cal. std: _____

Path/File	Smp Info	Mtrx/Batch	Type	DF	Method	Date	Time	Oper	Comments
1/085f8301.d	5099916003,	S/12770	SAMPLE	1	8082f	7/01/14	20:43	DMT	
1/085b8401.d	5099916003,	S/12770	SAMPLE	1	8082r	7/01/14	20:49	DMT	/
1/086f8401.d	5099916004,	S/12770	SAMPLE	1	8082f	7/01/14	20:49	DMT	
1/086b8501.d	5099916004,	S/12770	SAMPLE	1	8082r	7/01/14	20:55	DMT	/
1/087f8501.d	5099916005,	S/12770	SAMPLE	1	8082f	7/01/14	20:55	DMT	
1/087b8601.d	5099916005,	S/12770	SAMPLE	1	8082r	7/01/14	21:01	DMT	/
1/088f8601.d	5099916006,	S/12770	SAMPLE	1	8082f	7/01/14	21:01	DMT	
1/088b8701.d	5099916006,	S/12770	SAMPLE	1	8082r	7/01/14	21:06	DMT	/
1/089f8701.d	5099979005,	S/12770	SAMPLE	1	8082f	7/01/14	21:06	DMT	
1/089b8801.d	5099979005,	S/12770	SAMPLE	1	8082r	7/01/14	21:12	DMT	/
1/090f8801.d	5099979006,	S/12770	SAMPLE	1	8082f	7/01/14	21:12	DMT	
1/090b8901.d	5099979006,	S/12770	SAMPLE	1	8082r	7/01/14	21:18	DMT	/
1/091f8901.d	5099979007,	S/12770	SAMPLE	1	8082f	7/01/14	21:18	DMT	
1/091b9001.d	5099979007,	S/12770	SAMPLE	1	8082r	7/01/14	21:24	DMT	/
1/092f9001.d	5099979008,	S/12770	SAMPLE	1	8082f	7/01/14	21:24	DMT	
1/092b9101.d	5099979008,	S/12770	SAMPLE	1	8082r	7/01/14	21:30	DMT	/
1/093f9101.d	5099979009,	S/12770	SAMPLE	1	8082f	7/01/14	21:30	DMT	
1/093b9201.d	5099979009,	S/12770	SAMPLE	1	8082r	7/01/14	21:35	DMT	/
1/094f9201.d	5099979010,	S/12770	SAMPLE	1	8082f	7/01/14	21:35	DMT	Copper clean
1/011f9301.d	CCV,71569:1	N/12692	CCALIB_4	1	8082f	7/01/14	21:41	DMT	good
1/094b9301.d	5099979010,	S/12770	SAMPLE	1	8082r	7/01/14	21:41	DMT	Copper clean
1/001f9401.d	HEXANE 62052	N/	SAMPLE	1	8082f	7/01/14	21:47	DMT	
1/011b9401.d	CCV,71569:1	N/12692	CCALIB_4	1	8082r	7/01/14	21:47	DMT	good

DT 7-2-14

File Path 1: \\192.168.50.6\chem\50GCS8.i\070114.b
 Matrix Codes: [G]as, [L]iquid, [S]olid, [N]one
 Report Date: 13:37 07/02/2014

INSTRUMENT RUN LOG
Pace Analytical Services, Inc.

Instrument: 50GCS8.i
 Column Om X Omm H2
 Misc. Prep Info [L]:
 Misc. Prep Info [S]:
 ISTD lot:
 Tune std: _____

Method:

Surr. lot:
 Cal. std: _____

Path/File	Smp Info	Mtrx/Batch	Type	DF	Method	Date	Time	Oper	Comments
1/001f0101.d	HEXANE 62052	N/	SAMPLE	1	8082f	7/02/14	20:32	DMT	
1/002b0101.d	HEXANE 62052	N/	SAMPLE	1	8082r	7/02/14	20:32	DMT	
1/001f0201.d	HEXANE 62052	N/	SAMPLE	1	8082f	7/02/14	20:41	DMT	
1/002b0201.d	HEXANE 62052	N/	SAMPLE	1	8082r	7/02/14	20:41	DMT	
1/001f0301.d	HEXANE 62052	N/	SAMPLE	1	8082f	7/02/14	20:56	DMT	
1/002b0301.d	HEXANE 62052	N/	SAMPLE	1	8082r	7/02/14	20:56	DMT	
1/001f0401.d	HEXANE 62052	N/	SAMPLE	1	8082f	7/02/14	21:02	DMT	
1/002b0401.d	HEXANE 62052	N/	SAMPLE	1	8082r	7/02/14	21:02	DMT	
1/001f0501.d	HEXANE 62052	N/	SAMPLE	1	8082f	7/02/14	21:07	DMT	
1/002b0501.d	HEXANE 62052	N/	SAMPLE	1	8082r	7/02/14	21:07	DMT	
1/002b0601.d	HEXANE 62052	N/	SAMPLE	1	8082r	7/02/14	21:13	DMT	
1/011f0601.d	CCV, 71826:1	N/12692	CCALIB_4	1	8082f	7/02/14	21:13	DMT	good
1/003f0701.d	1221 1000 ppb	N/	SAMPLE	1	8082f	7/02/14	21:19	DMT	for reference only
1/011b0701.d	CCV, 71826:1	N/12692	CCALIB_4	1	8082r	7/02/14	21:19	DMT	good
1/003b0801.d	1221 1000 ppb	N/	SAMPLE	1	8082r	7/02/14	21:25	DMT	
1/004f0801.d	1232 500 ppb	N/	SAMPLE	1	8082f	7/02/14	21:25	DMT	
1/004b0901.d	1232 500 ppb	N/	SAMPLE	1	8082r	7/02/14	21:30	DMT	
1/005f0901.d	1242 500 ppb	N/	SAMPLE	1	8082f	7/02/14	21:30	DMT	
1/005b1001.d	1242 500 ppb	N/	SAMPLE	1	8082r	7/02/14	21:36	DMT	
1/006f1001.d	1248 500 ppb	N/	SAMPLE	1	8082f	7/02/14	21:36	DMT	
1/006b1101.d	1248 500 ppb	N/	SAMPLE	1	8082r	7/02/14	21:42	DMT	
1/007f1101.d	1254 500 ppb	N/	SAMPLE	1	8082f	7/02/14	21:42	DMT	
1/007b1201.d	1254 500 ppb	N/	SAMPLE	1	8082r	7/02/14	21:48	DMT	
1/008f1201.d	1262 500 ppb	N/	SAMPLE	1	8082f	7/02/14	21:48	DMT	
1/008b1301.d	1262 500 ppb	N/	SAMPLE	1	8082r	7/02/14	21:53	DMT	
1/009f1301.d	1268 500 ppb	N/	SAMPLE	1	8082f	7/02/14	21:53	DMT	
1/009b1401.d	1268 500 ppb	N/	SAMPLE	1	8082r	7/02/14	21:59	DMT	
1/011f1401.d	CCV, 71826:1	N/12692	CCALIB_4	1	8082f	7/02/14	21:59	DMT	good
1/011b1501.d	CCV, 71826:1	N/12692	CCALIB_4	1	8082r	7/02/14	22:05	DMT	good
1/021f1501.d	1120630,	L/12771	BLANK	1	8082f	7/02/14	22:05	DMT	
1/021b1601.d	1120630,	L/12771	BLANK	1	8082r	7/02/14	22:11	DMT	OK
1/022f1601.d	1120631,	L/12771	LCS	1	8082f	7/02/14	22:11	DMT	
1/022b1701.d	1120631,	L/12771	LCS	1	8082r	7/02/14	22:16	DMT	OK

File Path 1: \\192.168.50.6\chem\50GCS8.i\070214.b
 Matrix Codes: [G]as, [L]iquid, [S]olid, [N]one
 Report Date: 14:53 07/03/2014

DT 7-3-14

INSTRUMENT RUN LOG
Pace Analytical Services, Inc.

Instrument: 50GCS8.i
 Column 0m X 0mm H2
 Misc. Prep Info [L]:
 Misc. Prep Info [S]:
 ISTD lot:
 Tune std: _____

Method:

Surr. lot: _____
 Cal. std: _____

Path/File	Smp Info	Mtrx/Batch	Type	DF	Method	Date	Time	Oper	Comments
1/023f1701.d	50100093001,	L/12771	SAMPLE	1	8082f	7/02/14	22:16	DMT	1248 <i>comment low</i>
1/023b1801.d	50100093001,	L/12771	SAMPLE	1	8082r	7/02/14	22:22	DMT	✓ 1248 <i>5ias low surr/more for re-extract</i>
1/024f1801.d	5099874003x100,	S/12772	SAMPLE	100	8082f	7/02/14	22:22	DMT	1254
1/024b1901.d	5099874003x100,	S/12772	SAMPLE	100	8082r	7/02/14	22:28	DMT	✓ 1254
1/025f1901.d	1118946,	S/12768	BLANK	1	8082f	7/02/14	22:28	DMT	
1/025b2001.d	1118946,	S/12768	BLANK	1	8082r	7/02/14	22:34	DMT	OK
1/026f2001.d	1118947,	S/12768	LCS	1	8082f	7/02/14	22:34	DMT	
1/026b2101.d	1118947,	S/12768	LCS	1	8082r	7/02/14	22:40	DMT	OK
1/027f2101.d	5099688011,	S/12768	SAMPLE	1	8082f	7/02/14	22:40	DMT	Perun
1/027b2201.d	5099688011,	S/12768	SAMPLE	1	8082r	7/02/14	22:45	DMT	↓
1/028f2201.d	5099688012x10,	S/12768	SAMPLE	10	8082f	7/02/14	22:45	DMT	
1/028b2301.d	5099688012x10,	S/12768	SAMPLE	10	8082r	7/02/14	22:51	DMT	✓ D3/54
1/029f2301.d	5099765007,	S/12768	SAMPLE	1	8082f	7/02/14	22:51	DMT	
1/029b2401.d	5099765007,	S/12768	SAMPLE	1	8082r	7/02/14	22:57	DMT	✓
1/030f2401.d	5099765011,	S/12768	SAMPLE	1	8082f	7/02/14	22:57	DMT	
1/030b2501.d	5099765011,	S/12768	SAMPLE	1	8082r	7/02/14	23:03	DMT	✓ low surr/cc-extract
1/031f2501.d	1120063,	S/12770	BLANK	1	8082f	7/02/14	23:03	DMT	
1/031b2601.d	1120063,	S/12770	BLANK	1	8082r	7/02/14	23:08	DMT	OK
1/032f2601.d	1120064,	S/12770	LCS	1	8082f	7/02/14	23:08	DMT	
1/032b2701.d	1120064,	S/12770	LCS	1	8082r	7/02/14	23:14	DMT	OK
1/033f2701.d	5099856001,	S/12770	SAMPLE	1	8082f	7/02/14	23:14	DMT	
1/033b2801.d	5099856001,	S/12770	SAMPLE	1	8082r	7/02/14	23:20	DMT	✓
1/034f2801.d	5099856002,	S/12770	SAMPLE	1	8082f	7/02/14	23:20	DMT	
1/034b2901.d	5099856002,	S/12770	SAMPLE	1	8082r	7/02/14	23:26	DMT	✓
1/035f2901.d	5099856003,	S/12770	SAMPLE	1	8082f	7/02/14	23:26	DMT	
1/035b3001.d	5099856003,	S/12770	SAMPLE	1	8082r	7/02/14	23:32	DMT	✓
1/036f3001.d	5099916001x5,	S/12770	SAMPLE	5	8082f	7/02/14	23:32	DMT	1254<RL
1/036b3101.d	5099916001x5,	S/12770	SAMPLE	5	8082r	7/02/14	23:37	DMT	✓ D3/1254<RL
1/037f3101.d	5099979010,	S/12770	SAMPLE	1	8082f	7/02/14	23:37	DMT	
1/011f3201.d	CCV, 71826:1	N/12692	CCALIB_4	1	8082f	7/02/14	23:43	DMT	good
1/037b3201.d	5099979010,	S/12770	SAMPLE	1	8082r	7/02/14	23:43	DMT	✓
1/011b3301.d	CCV, 71826:1	N/12692	CCALIB_4	1	8082r	7/02/14	23:49	DMT	good
1/038f3301.d	1121856,	L/12789	BLANK	1	8082f	7/02/14	23:49	DMT	

File Path 1: \\192.168.50.6\chem\50GCS8.i\070214.b
 Matrix Codes: [G]as, [L]iquid, [S]olid, [N]one
 Report Date: 14:53 07/03/2014

DT 7-3-14

INSTRUMENT RUN LOG
Pace Analytical Services, Inc.

Instrument: 50GCS8.i
 Column 0m X 0mm H2
 Misc. Prep Info [L]:
 Misc. Prep Info [S]:
 ISTD lot:
 Tune std: _____

Method:

Surr. lot: _____
 Cal. std: _____

Path/File	Smp Info	Mtrx/Batch	Type	DF	Method	Date	Time	Oper	Comments
1/038b3401.d	1121856,	L/12789	BLANK	1	8082r	7/02/14	23:55	DMT	/
1/039f3401.d	1121857,	L/12789	LCS	1	8082f	7/02/14	23:55	DMT	
1/039b3501.d	1121857,	L/12789	LCS	1	8082r	7/03/14	00:00	DMT	/
1/040f3501.d	50100173001x20,	L/12789	SAMPLE	20	8082f	7/03/14	00:00	DMT	
1/040b3601.d	50100173001x20,	L/12789	SAMPLE	20	8082r	7/03/14	00:06	DMT	/ D3/S4
1/041f3601.d	50100202001,	L/12789	SAMPLE	1	8082f	7/03/14	00:06	DMT	
1/041b3701.d	50100202001,	L/12789	SAMPLE	1	8082r	7/03/14	00:12	DMT	/
1/042f3701.d	50100202002,	L/12789	SAMPLE	1	8082f	7/03/14	00:12	DMT	
1/042b3801.d	50100202002,	L/12789	SAMPLE	1	8082r	7/03/14	00:18	DMT	/
1/043f3801.d	50100202003,	L/12789	SAMPLE	1	8082f	7/03/14	00:18	DMT	
1/043b3901.d	50100202003,	L/12789	SAMPLE	1	8082r	7/03/14	00:24	DMT	/
1/044f3901.d	50100202004,	L/12789	SAMPLE	1	8082f	7/03/14	00:24	DMT	
1/044b4001.d	50100202004,	L/12789	SAMPLE	1	8082r	7/03/14	00:29	DMT	/
1/045f4001.d	50100202005,	L/12789	SAMPLE	1	8082f	7/03/14	00:29	DMT	
1/045b4101.d	50100202005,	L/12789	SAMPLE	1	8082r	7/03/14	00:35	DMT	/
1/046f4101.d	50100202006,	L/12789	SAMPLE	1	8082f	7/03/14	00:35	DMT	
1/011f4201.d	CCV, 71826:1	N/12692	CCALIB_4	1	8082f	7/03/14	00:41	DMT	good
1/046b4201.d	50100202006,	L/12789	SAMPLE	1	8082r	7/03/14	00:41	DMT	/
1/011b4301.d	CCV, 71826:1	N/12692	CCALIB_4	1	8082r	7/03/14	00:47	DMT	good
1/047f4301.d	1121907,	S/12790	BLANK	1	8082f	7/03/14	00:47	DMT	
1/047b4401.d	1121907,	S/12790	BLANK	1	8082r	7/03/14	00:52	DMT	/
1/048f4401.d	1121908,	S/12790	LCS	1	8082f	7/03/14	00:52	DMT	
1/048b4501.d	1121908,	S/12790	LCS	1	8082r	7/03/14	00:58	DMT	/
1/049f4501.d	50100074010,	S/12790	SAMPLE	1	8082f	7/03/14	00:58	DMT	20x (hit)
1/049b4601.d	50100074010,	S/12790	SAMPLE	1	8082r	7/03/14	01:04	DMT	20x (hit)
1/050f4601.d	50100124001,	S/12790	SAMPLE	1	8082f	7/03/14	01:04	DMT	
1/050b4701.d	50100124001,	S/12790	SAMPLE	1	8082r	7/03/14	01:10	DMT	/
1/051f4701.d	50100124002,	S/12790	SAMPLE	1	8082f	7/03/14	01:10	DMT	
1/051b4801.d	50100124002,	S/12790	SAMPLE	1	8082r	7/03/14	01:15	DMT	/
1/052f4801.d	1121909,	S/12790	MS	1	8082f	7/03/14	01:15	DMT	
1/052b4901.d	1121909,	S/12790	MS	1	8082r	7/03/14	01:21	DMT	/
1/053f4901.d	1121910,	S/12790	MSD	1	8082f	7/03/14	01:21	DMT	
1/053b5001.d	1121910,	S/12790	MSD	1	8082r	7/03/14	01:27	DMT	/

File Path 1: \\192.168.50.6\chem\50GCS8.i\070214.b
 Matrix Codes: [G]as, [L]iquid, [S]olid, [N]one
 Report Date: 14:53 07/03/2014

DT 7-3-14

INSTRUMENT RUN LOG
Pace Analytical Services, Inc.

Instrument: 50GCS8.i
 Column 0m X 0mm H2
 Misc. Prep Info [L]:
 Misc. Prep Info [S]:
 ISTD lot:
 Tune std: _____

Method:

Surr. lot:
 Cal. std: _____

Path/File	Smp Info	Mtrx/Batch	Type	DF	Method	Date	Time	Oper	Comments
1/054f5001.d	50100124003,	S/12790	SAMPLE	1	8082f	7/03/14	01:27	DMT	1254
1/054b5101.d	50100124003,	S/12790	SAMPLE	1	8082r	7/03/14	01:33	DMT	✓ 1254
1/055f5101.d	50100124004,	S/12790	SAMPLE	1	8082f	7/03/14	01:33	DMT	
1/055b5201.d	50100124004,	S/12790	SAMPLE	1	8082r	7/03/14	01:39	DMT	✓
1/056f5201.d	50100124005,	S/12790	SAMPLE	1	8082f	7/03/14	01:39	DMT	
1/056b5301.d	50100124005,	S/12790	SAMPLE	1	8082r	7/03/14	01:44	DMT	✓
1/057f5301.d	50100124006,	S/12790	SAMPLE	1	8082f	7/03/14	01:44	DMT	
1/057b5401.d	50100124006,	S/12790	SAMPLE	1	8082r	7/03/14	01:50	DMT	✓
1/058f5401.d	50100124007,	S/12790	SAMPLE	1	8082f	7/03/14	01:50	DMT	
1/058b5501.d	50100124007,	S/12790	SAMPLE	1	8082r	7/03/14	01:56	DMT	✓
1/059f5501.d	50100124008,	S/12790	SAMPLE	1	8082f	7/03/14	01:56	DMT	
1/059b5601.d	50100124008,	S/12790	SAMPLE	1	8082r	7/03/14	02:02	DMT	✓
1/060f5601.d	50100124009x10,	S/12790	SAMPLE	10	8082f	7/03/14	02:02	DMT	
1/060b5701.d	50100124009x10,	S/12790	SAMPLE	10	8082r	7/03/14	02:08	DMT	✓ 03/54
1/061f5701.d	50100124010,	S/12790	SAMPLE	1	8082f	7/03/14	02:08	DMT	
1/061b5801.d	50100124010,	S/12790	SAMPLE	1	8082r	7/03/14	02:13	DMT	✓
1/062f5801.d	50100124011,	S/12790	SAMPLE	1	8082f	7/03/14	02:13	DMT	
1/062b5901.d	50100124011,	S/12790	SAMPLE	1	8082r	7/03/14	02:19	DMT	✓
1/063f5901.d	50100124012,	S/12790	SAMPLE	1	8082f	7/03/14	02:19	DMT	
1/011f6001.d	CCV, 71826:1	N/12692	CCALIB_4	1	8082f	7/03/14	02:25	DMT	good
1/063b6001.d	50100124012,	S/12790	SAMPLE	1	8082r	7/03/14	02:25	DMT	✓
1/001f6101.d	HEXANE 62052	N/	SAMPLE	1	8082f	7/03/14	02:31	DMT	
1/011b6101.d	CCV, 71826:1	N/12692	CCALIB_4	1	8082r	7/03/14	02:31	DMT	good

DT 7-3-14

File Path 1: \\192.168.50.6\chem\50GCS8.i\070214.b
 Matrix Codes: [G]as, [L]iquid, [S]olid, [N]one
 Report Date: 14:53 07/03/2014

INSTRUMENT RUN LOG
Pace Analytical Services, Inc.

Instrument: 50GCS8.i
 Column DB-5MS 15m X 0.32mm H2
 Misc. Prep Info [L]:
 Misc. Prep Info [S]:
 ISTD lot:
 Tune std: _____

Method:
 Surr. lot:
 Cal. std: _____

Path/File	Smp Info	Mtrx/Batch	Type	DF	Method	Date	Time	Oper	Comments
1/001f0101.d	HEXANE 62052	N/	SAMPLE	1	8082f	7/03/14	16:51	DMT	
1/002b0101.d	HEXANE 62052	N/	SAMPLE	1	8082r	7/03/14	16:51	DMT	
1/001f0201.d	HEXANE 62052	N/	SAMPLE	1	8082f	7/03/14	17:00	DMT	
1/002b0201.d	HEXANE 62052	N/	SAMPLE	1	8082r	7/03/14	17:00	DMT	
1/001f0301.d	HEXANE 62052	N/	SAMPLE	1	8082f	7/03/14	17:14	DMT	
1/002b0301.d	HEXANE 62052	N/	SAMPLE	1	8082r	7/03/14	17:14	DMT	
1/001f0401.d	HEXANE 62052	N/	SAMPLE	1	8082f	7/03/14	17:20	DMT	
1/002b0401.d	HEXANE 62052	N/	SAMPLE	1	8082r	7/03/14	17:20	DMT	
1/001f0501.d	HEXANE 62052	N/	SAMPLE	1	8082f	7/03/14	17:26	DMT	
1/002b0501.d	HEXANE 62052	N/	SAMPLE	1	8082r	7/03/14	17:26	DMT	
1/002b0601.d	HEXANE 62052	N/	SAMPLE	1	8082r	7/03/14	17:32	DMT	
1/011f0601.d	CCV, 71921:1	N/12692	CCALIB_4	1	8082f	7/03/14	17:32	DMT	good
1/003f0701.d	1221 1000 ppb	N/	SAMPLE	1	8082f	7/03/14	17:37	DMT	for reference only
1/011b0701.d	CCV, 71921:1	N/12692	CCALIB_4	1	8082r	7/03/14	17:37	DMT	good
1/003b0801.d	1221 1000 ppb	N/	SAMPLE	1	8082r	7/03/14	17:43	DMT	
1/004f0801.d	1232 500 ppb	N/	SAMPLE	1	8082f	7/03/14	17:43	DMT	
1/004b0901.d	1232 500 ppb	N/	SAMPLE	1	8082r	7/03/14	17:49	DMT	
1/005f0901.d	1242 500 ppb	N/	SAMPLE	1	8082f	7/03/14	17:49	DMT	
1/005b1001.d	1242 500 ppb	N/	SAMPLE	1	8082r	7/03/14	17:55	DMT	
1/006f1001.d	1248 500 ppb	N/	SAMPLE	1	8082f	7/03/14	17:55	DMT	
1/006b1101.d	1248 500 ppb	N/	SAMPLE	1	8082r	7/03/14	18:00	DMT	
1/007f1101.d	1254 500 ppb	N/	SAMPLE	1	8082f	7/03/14	18:00	DMT	
1/007b1201.d	1254 500 ppb	N/	SAMPLE	1	8082r	7/03/14	18:06	DMT	
1/008f1201.d	1262 500 ppb	N/	SAMPLE	1	8082f	7/03/14	18:06	DMT	
1/008b1301.d	1262 500 ppb	N/	SAMPLE	1	8082r	7/03/14	18:12	DMT	
1/009f1301.d	1268 500 ppb	N/	SAMPLE	1	8082f	7/03/14	18:12	DMT	
1/009b1401.d	1268 500 ppb	N/	SAMPLE	1	8082r	7/03/14	18:18	DMT	
1/011f1401.d	CCV, 71921:1	N/12692	SAMPLE	1	8082f	7/03/14	18:18	DMT	good
1/011b1501.d	CCV, 71921:1	N/12692	CCALIB_4	1	8082r	7/03/14	18:23	DMT	good
1/021f1501.d	1118946,	S/12768	BLANK	1	8082f	7/03/14	18:23	DMT	
1/021b1601.d	1118946,	S/12768	BLANK	1	8082r	7/03/14	18:29	DMT	OK
1/022f1601.d	1118947,	S/12768	LCS	1	8082f	7/03/14	18:29	DMT	
1/022b1701.d	1118947,	S/12768	LCS	1	8082r	7/03/14	18:35	DMT	OK

File Path 1: \\192.168.50.6\chem\50GCS8.i\070314.b
 Matrix Codes: [G]as, [L]iquid, [S]olid, [N]one
 Report Date: 12:22 07/07/2014

DT 7-7-14

INSTRUMENT RUN LOG
Pace Analytical Services, Inc.

Instrument: 50GCS8.i
 Column DB-5MS 15m X 0.32mm H2
 Misc. Prep Info [L]:
 Misc. Prep Info [S]:
 ISTD lot:
 Tune std: _____

Method:
 Surr. lot:
 Cal. std: _____

Path/File	Smp Info	Mtrx/Batch	Type	DF	Method	Date	Time	Oper	Comments
1/023f1701.d	5099688011,	S/12768	SAMPLE	1	8082f	7/03/14	18:35	DMT	
1/023b1801.d	5099688011,	S/12768	SAMPLE	1	8082r	7/03/14	18:41	DMT	<i>12</i>
1/024f1801.d	50100074010x20,	S/12790	SAMPLE	20	8082f	7/03/14	18:41	DMT	<i>1254</i>
1/011f1901.d	CCV, 71921:1	N/12692	SAMPLE	1	8082f	7/03/14	18:47	DMT	<i>good</i>
1/024b1901.d	50100074010x20,	S/12790	SAMPLE	20	8082r	7/03/14	18:47	DMT	<i>1254</i>
1/011b2001.d	CCV, 71921:1	N/12692	CCALIB_4	1	8082r	7/03/14	18:52	DMT	<i>good</i>
1/025f2001.d	1122307,	S/12800	BLANK	1	8082f	7/03/14	18:52	DMT	
1/025b2101.d	1122307,	S/12800	BLANK	1	8082r	7/03/14	18:58	DMT	<i>✓</i>
1/026f2101.d	1122308,	S/12800	LCS	1	8082f	7/03/14	18:58	DMT	
1/026b2201.d	1122308,	S/12800	LCS	1	8082r	7/03/14	19:04	DMT	<i>✓</i>
1/027f2201.d	5099660013,	S/12800	SAMPLE	1	8082f	7/03/14	19:04	DMT	<i>Copper clean</i>
1/027b2301.d	5099660013,	S/12800	SAMPLE	1	8082r	7/03/14	19:10	DMT	
1/028f2301.d	1122309,	S/12800	MS	1	8082f	7/03/14	19:10	DMT	
1/028b2401.d	1122309,	S/12800	MS	1	8082r	7/03/14	19:15	DMT	
1/029f2401.d	1122310,	S/12800	MSD	1	8082f	7/03/14	19:15	DMT	
1/029b2501.d	1122310,	S/12800	MSD	1	8082r	7/03/14	19:21	DMT	
1/030f2501.d	5099660014,	S/12800	SAMPLE	1	8082f	7/03/14	19:21	DMT	
1/030b2601.d	5099660014,	S/12800	SAMPLE	1	8082r	7/03/14	19:27	DMT	
1/031f2601.d	5099660015,	S/12800	SAMPLE	1	8082f	7/03/14	19:27	DMT	<i>1260<RL</i>
1/031b2701.d	5099660015,	S/12800	SAMPLE	1	8082r	7/03/14	19:33	DMT	<i>✓ 1260<RL</i>
1/032f2701.d	5099660016,	S/12800	SAMPLE	1	8082f	7/03/14	19:33	DMT	<i>1260</i>
1/032b2801.d	5099660016,	S/12800	SAMPLE	1	8082r	7/03/14	19:39	DMT	<i>✓ 1260</i>
1/033f2801.d	5099660041,	S/12800	SAMPLE	1	8082f	7/03/14	19:39	DMT	<i>10x 1260</i>
1/033b2901.d	5099660041,	S/12800	SAMPLE	1	8082r	7/03/14	19:44	DMT	<i>10x 1260</i>
1/034f2901.d	5099660042,	S/12800	SAMPLE	1	8082f	7/03/14	19:44	DMT	<i>1260<MDL</i>
1/034b3001.d	5099660042,	S/12800	SAMPLE	1	8082r	7/03/14	19:50	DMT	<i>✓ 1260<MDL</i>
1/035f3001.d	5099660043,	S/12800	SAMPLE	1	8082f	7/03/14	19:50	DMT	
1/035b3101.d	5099660043,	S/12800	SAMPLE	1	8082r	7/03/14	19:56	DMT	<i>✓</i>
1/036f3101.d	5099660044,	S/12800	SAMPLE	1	8082f	7/03/14	19:56	DMT	
1/036b3201.d	5099660044,	S/12800	SAMPLE	1	8082r	7/03/14	20:02	DMT	<i>✓</i>
1/037f3201.d	5099660049,	S/12800	SAMPLE	1	8082f	7/03/14	20:02	DMT	<i>Copper clean</i>
1/037b3301.d	5099660049,	S/12800	SAMPLE	1	8082r	7/03/14	20:07	DMT	<i>↓</i>
1/038f3301.d	5099660050,	S/12800	SAMPLE	1	8082f	7/03/14	20:07	DMT	<i>1260</i>

DT 7-7-14

File Path 1: \\192.168.50.6\chem\50GCS8.i\070314.b
 Matrix Codes: [G]as, [L]iquid, [S]olid, [N]one
 Report Date: 12:22 07/07/2014

INSTRUMENT RUN LOG
Pace Analytical Services, Inc.

Instrument: 50GCS8.i
 Column DB-5MS 15m X 0.32mm H2
 Misc. Prep Info [L]:
 Misc. Prep Info [S]:
 ISTD lot:
 Tune std: _____

Method:
 Surr. lot:
 Cal. std: _____

Path/File	Smp Info	Mtrx/Batch	Type	DF	Method	Date	Time	Oper	Comments
1/038b3401.d	5099660050,	S/12800	SAMPLE	1	8082r	7/03/14	20:13	DMT	✓ 1260
1/039f3401.d	5099660051,	S/12800	SAMPLE	1	8082f	7/03/14	20:13	DMT	1260<RL
1/039b3501.d	5099660051,	S/12800	SAMPLE	1	8082r	7/03/14	20:19	DMT	✓ 1260<RL
1/040f3501.d	5099660052,	S/12800	SAMPLE	1	8082f	7/03/14	20:19	DMT	1260<MOL
1/040b3601.d	5099660052,	S/12800	SAMPLE	1	8082r	7/03/14	20:25	DMT	✓ 1260<MOL
1/041f3601.d	5099660057,	S/12800	SAMPLE	1	8082f	7/03/14	20:25	DMT	Copper clean
1/041b3701.d	5099660057,	S/12800	SAMPLE	1	8082r	7/03/14	20:30	DMT	
1/042f3701.d	5099660058,	S/12800	SAMPLE	1	8082f	7/03/14	20:30	DMT	
1/042b3801.d	5099660058,	S/12800	SAMPLE	1	8082r	7/03/14	20:36	DMT	↓
1/043f3801.d	5099660059,	S/12800	SAMPLE	1	8082f	7/03/14	20:36	DMT	
1/043b3901.d	5099660059,	S/12800	SAMPLE	1	8082r	7/03/14	20:42	DMT	✓
1/044f3901.d	5099660060,	S/12800	SAMPLE	1	8082f	7/03/14	20:42	DMT	1260<RL
1/044b4001.d	5099660060,	S/12800	SAMPLE	1	8082r	7/03/14	20:48	DMT	✓ 1260<RL
1/045f4001.d	5099660061,	S/12800	SAMPLE	1	8082f	7/03/14	20:48	DMT	Copper Clean
1/045b4101.d	5099660061,	S/12800	SAMPLE	1	8082r	7/03/14	20:54	DMT	
1/046f4101.d	5099660062,	S/12800	SAMPLE	1	8082f	7/03/14	20:54	DMT	
1/046b4201.d	5099660062,	S/12800	SAMPLE	1	8082r	7/03/14	20:59	DMT	↓
1/047f4201.d	5099660063,	S/12800	SAMPLE	1	8082f	7/03/14	20:59	DMT	<MOL 1260
1/047b4301.d	5099660063,	S/12800	SAMPLE	1	8082r	7/03/14	21:05	DMT	✓ <MOL 1260
1/048f4301.d	5099660064,	S/12800	SAMPLE	1	8082f	7/03/14	21:05	DMT	
1/011f4401.d	CCV, 71921:1	N/12692	SAMPLE	1	8082f	7/03/14	21:11	DMT	good
1/048b4401.d	5099660064,	S/12800	SAMPLE	1	8082r	7/03/14	21:11	DMT	✓
1/011b4501.d	CCV, 71921:1	N/12692	CCALIB_4	1	8082r	7/03/14	21:17	DMT	good
1/049f4501.d	1122316,	S/12799	BLANK	1	8082f	7/03/14	21:17	DMT	
1/049b4601.d	1122316,	S/12799	BLANK	1	8082r	7/03/14	21:22	DMT	✓
1/050f4601.d	1122317,	S/12799	LCS	1	8082f	7/03/14	21:22	DMT	
1/050b4701.d	1122317,	S/12799	LCS	1	8082r	7/03/14	21:28	DMT	✓
1/051f4701.d	5099660073,	S/12799	SAMPLE	1	8082f	7/03/14	21:28	DMT	Copper clean
1/051b4801.d	5099660073,	S/12799	SAMPLE	1	8082r	7/03/14	21:34	DMT	↓
1/052f4801.d	5099660074,	S/12799	SAMPLE	1	8082f	7/03/14	21:34	DMT	
1/052b4901.d	5099660074,	S/12799	SAMPLE	1	8082r	7/03/14	21:40	DMT	✓
1/053f4901.d	5099660075,	S/12799	SAMPLE	1	8082f	7/03/14	21:40	DMT	1260<RL
1/053b5001.d	5099660075,	S/12799	SAMPLE	1	8082r	7/03/14	21:46	DMT	✓ 1260<RL

DT 7-7-14

File Path 1: \\192.168.50.6\chem\50GCS8.i\070314.b
 Matrix Codes: [G]as, [L]iquid, [S]olid, [N]one
 Report Date: 12:22 07/07/2014

INSTRUMENT RUN LOG
Pace Analytical Services, Inc.

Instrument: 50GCS8.i
 Column DB-5MS 15m X 0.32mm H2
 Misc. Prep Info [L]:
 Misc. Prep Info [S]:
 ISTD lot:
 Tune std: _____

Method:
 Surr. lot:
 Cal. std: _____

Path/File	Smp Info	Mtrx/Batch	Type	DF	Method	Date	Time	Oper	Comments
1/054f5001.d	5099660076,	S/12799	SAMPLE	1	8082f	7/03/14	21:46	DMT	
1/054b5101.d	5099660076,	S/12799	SAMPLE	1	8082r	7/03/14	21:51	DMT	✓
1/055f5101.d	5099660077,	S/12799	SAMPLE	1	8082f	7/03/14	21:51	DMT	Copper clean
1/055b5201.d	5099660077,	S/12799	SAMPLE	1	8082r	7/03/14	21:57	DMT	↓
1/056f5201.d	5099660078,	S/12799	SAMPLE	1	8082f	7/03/14	21:57	DMT	Copper clean 20x/50x
1/056b5301.d	5099660078,	S/12799	SAMPLE	1	8082r	7/03/14	22:03	DMT	↓
1/057f5301.d	5099660079,	S/12799	SAMPLE	1	8082f	7/03/14	22:03	DMT	✓ L.MDL 1260
1/057b5401.d	5099660079,	S/12799	SAMPLE	1	8082r	7/03/14	22:09	DMT	✓ L.MDL 1260
1/058f5401.d	5099660080,	S/12799	SAMPLE	1	8082f	7/03/14	22:09	DMT	
1/058b5501.d	5099660080,	S/12799	SAMPLE	1	8082r	7/03/14	22:14	DMT	✓
1/059f5501.d	50100239001,	S/12799	SAMPLE	1	8082f	7/03/14	22:14	DMT	
1/059b5601.d	50100239001,	S/12799	SAMPLE	1	8082r	7/03/14	22:20	DMT	✓
1/060f5601.d	50100239002,	S/12799	SAMPLE	1	8082f	7/03/14	22:20	DMT	
1/060b5701.d	50100239002,	S/12799	SAMPLE	1	8082r	7/03/14	22:26	DMT	✓
1/061f5701.d	1122318,	S/12799	MS	1	8082f	7/03/14	22:26	DMT	
1/061b5801.d	1122318,	S/12799	MS	1	8082r	7/03/14	22:32	DMT	✓
1/062f5801.d	1122319,	S/12799	MSD	1	8082f	7/03/14	22:32	DMT	
1/062b5901.d	1122319,	S/12799	MSD	1	8082r	7/03/14	22:38	DMT	✓
1/063f5901.d	50100239003,	S/12799	SAMPLE	1	8082f	7/03/14	22:38	DMT	Copper clean
1/063b6001.d	50100239003,	S/12799	SAMPLE	1	8082r	7/03/14	22:43	DMT	↓
1/064f6001.d	50100239004,	S/12799	SAMPLE	1	8082f	7/03/14	22:43	DMT	
1/064b6101.d	50100239004,	S/12799	SAMPLE	1	8082r	7/03/14	22:49	DMT	✓
1/065f6101.d	50100239008,	S/12799	SAMPLE	1	8082f	7/03/14	22:49	DMT	Copper clean
1/065b6201.d	50100239008,	S/12799	SAMPLE	1	8082r	7/03/14	22:55	DMT	↓
1/066f6201.d	50100239009,	S/12799	SAMPLE	1	8082f	7/03/14	22:55	DMT	
1/011f6301.d	CCV, 71921:1	N/12692	SAMPLE	1	8082f	7/03/14	23:01	DMT	good
1/066b6301.d	50100239009,	S/12799	SAMPLE	1	8082r	7/03/14	23:01	DMT	✓
1/001f6401.d	HEXANE 62052	N/	SAMPLE	1	8082f	7/03/14	23:06	DMT	
1/011b6401.d	CCV, 71921:1	N/12692	CCALIB_4	1	8082r	7/03/14	23:06	DMT	good
1/001f6501.d	HEXANE 62052	L/	SAMPLE	1	8011f	7/03/14	23:12	DMT	
1/002b6501.d	HEXANE 62052	L/	SAMPLE	1	8011r	7/03/14	23:12	DMT	
1/001f6601.d	HEXANE 62052	L/	SAMPLE	1	8011f	7/03/14	23:18	DMT	
1/002b6601.d	HEXANE 62052	L/	SAMPLE	1	8011r	7/03/14	23:18	DMT	

File Path 1: \\192.168.50.6\chem\50GCS8.i\070314.b
 Matrix Codes: [G]as, [L]iquid, [S]olid, [N]one
 Report Date: 12:22 07/07/2014

DT 7-7-14

INSTRUMENT RUN LOG
Pace Analytical Services, Inc.

Instrument: 50GCS8.i
 Column DB-5MS 15m X 0.32mm H2
 Misc. Prep Info [L]:
 Misc. Prep Info [S]:
 ISTD lot:
 Tune std: _____

Method:

 Surr. lot:
 Cal. std: _____

Path/File	Smp Info	Mtrx/Batch	Type	DF	Method	Date	Time	Oper	Comments
1/001f6701.d	HEXANE 62052	L/	SAMPLE	1	8011f	7/03/14	23:24	DMT	
1/002b6701.d	HEXANE 62052	L/	SAMPLE	1	8011r	7/03/14	23:24	DMT	
1/001f6801.d	HEXANE 62052	L/	SAMPLE	1	8011f	7/03/14	23:29	DMT	
1/002b6801.d	HEXANE 62052	L/	SAMPLE	1	8011r	7/03/14	23:29	DMT	
1/001f6901.d	HEXANE 62052	L/	SAMPLE	1	8011f	7/03/14	23:35	DMT	
1/002b6901.d	HEXANE 62052	L/	SAMPLE	1	8011r	7/03/14	23:35	DMT	
1/001f7001.d	HEXANE 62052	L/	SAMPLE	1	8011f	* 7/06/14	20:36	DMT	
1/002b7001.d	HEXANE 62052	L/	SAMPLE	1	8011r	7/06/14	20:36	DMT	
1/001f7101.d	HEXANE 62052	L/	SAMPLE	1	8011f	7/06/14	20:43	DMT	
1/002b7101.d	HEXANE 62052	L/	SAMPLE	1	8011r	7/06/14	20:43	DMT	
1/001f7201.d	HEXANE 62052	L/	SAMPLE	1	8011f	7/06/14	20:50	DMT	
1/002b7201.d	HEXANE 62052	L/	SAMPLE	1	8011r	7/06/14	20:50	DMT	
1/002b7301.d	HEXANE 62052	L/	SAMPLE	1	8011r	7/06/14	20:57	DMT	
1/101f7301.d	CCV, 71934:1	L/12708	CCALIB_4	1	8011f	7/06/14	20:57	DMT	Good
1/101b7401.d	CCV, 71934:1	L/12708	CCALIB_4	1	8011r	7/06/14	21:05	DMT	Good
1/111f7401.d	1123234,	L/12805	BLANK	1	8011f	7/06/14	21:05	DMT	/
1/111b7501.d	1123234,	L/12805	BLANK	1	8011r	7/06/14	21:12	DMT	
1/112f7501.d	1123235,	L/12805	LCS	1	8011f	7/06/14	21:12	DMT	/
1/112b7601.d	1123235,	L/12805	LCS	1	8011r	7/06/14	21:19	DMT	
1/113f7601.d	5099680001,	L/12805	SAMPLE	1	8011f	7/06/14	21:19	DMT	/
1/113b7701.d	5099680001,	L/12805	SAMPLE	1	8011r	7/06/14	21:26	DMT	
1/114f7701.d	1123236,	L/12805	MS	1	8011f	7/06/14	21:26	DMT	/
1/114b7801.d	1123236,	L/12805	MS	1	8011r	7/06/14	21:33	DMT	
1/115f7801.d	1123237,	L/12805	MSD	1	8011f	7/06/14	21:33	DMT	/
1/115b7901.d	1123237,	L/12805	MSD	1	8011r	7/06/14	21:40	DMT	
1/116f7901.d	5099680002,	L/12805	SAMPLE	1	8011f	7/06/14	21:40	DMT	/
1/116b8001.d	5099680002,	L/12805	SAMPLE	1	8011r	7/06/14	21:47	DMT	
1/117f8001.d	5099680003,	L/12805	SAMPLE	1	8011f	7/06/14	21:47	DMT	/
1/117b8101.d	5099680003,	L/12805	SAMPLE	1	8011r	7/06/14	21:54	DMT	
1/118f8101.d	5099680004,	L/12805	SAMPLE	1	8011f	7/06/14	21:54	DMT	/
1/118b8201.d	5099680004,	L/12805	SAMPLE	1	8011r	7/06/14	22:01	DMT	
1/119f8201.d	5099680005,	L/12805	SAMPLE	1	8011f	7/06/14	22:01	DMT	/
1/119b8301.d	5099680005,	L/12805	SAMPLE	1	8011r	7/06/14	22:08	DMT	

File Path 1: \\192.168.50.6\chem\50GCS8.i\070314.b
 Matrix Codes: [G]as, [L]iquid, [S]olid, [N]one
 Report Date: 12:22 07/07/2014

DT 7-7-14

* = Software glitch of some type, restarted sequence and ran to completion

DT 7-7-14

INSTRUMENT RUN LOG
Pace Analytical Services, Inc.

Instrument: 50GCS8.i
Column DB-5MS 15m X 0.32mm H2
Misc. Prep Info [L]:
Misc. Prep Info [S]:
ISTD lot:
Tune std: _____

Method:

Surr. lot:
Cal. std: _____

Path/File	Smp Info	Mtrx/Batch	Type	DF	Method	Date	Time	Oper	Comments
1/120f8301.d	5099680006,	L/12805	SAMPLE	1	8011f	7/06/14	22:08	DMT	✓
1/101f8401.d	CCV,71934:1	L/12708	CCALIB_4	1	8011f	7/06/14	22:16	DMT	good
1/120b8401.d	5099680006,	L/12805	SAMPLE	1	8011r	7/06/14	22:16	DMT	
1/001f8501.d	HEXANE 62052	L/	SAMPLE	1	8011f	7/06/14	22:23	DMT	
1/101b8501.d	CCV,71934:1	L/12708	CCALIB_4	1	8011r	7/06/14	22:23	DMT	good

DT 7-7-14

File Path 1: \\192.168.50.6\chem\50GCS8.i\070314.b
Matrix Codes: [G]as, [L]iquid, [S]olid, [N]one
Report Date: 12:22 07/07/2014

FORM I INORGANIC-1
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

TMW-5(12-14)

Lab Name: Pace Analytical - Indiana SDG No. : 5099688 Contract: Sibley-Accucast/2339-356-
Lab Sample ID: 5099688001 Percent Moisture: 4.7

CAS No.	Analyte	Concentration	Q	Units	DF	Analysis Date/Time
7440-36-0	Antimony	ND	U	mg/kg	1	06/24/2014 10:29
7440-38-2	Arsenic	1.6		mg/kg	1	06/24/2014 10:29
7440-47-3	Chromium	2.6		mg/kg	1	06/24/2014 10:29
7440-48-4	Cobalt	1.2		mg/kg	1	06/24/2014 10:29
7439-89-6	Iron	2980		mg/kg	1	06/24/2014 10:29
7439-92-1	Lead	1.9		mg/kg	1	06/24/2014 10:29
7782-49-2	Selenium	ND	U	mg/kg	1	06/24/2014 10:29
7440-28-0	Thallium	1.8		mg/kg	1	06/24/2014 10:29

FORM I INORGANIC-1
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

TMW-5(2-4)

Lab Name: Pace Analytical - Indiana SDG No. : 5099688 Contract: Sibley-Accucast/2339-356-
Lab Sample ID: 5099688002 Percent Moisture: 5.8

CAS No.	Analyte	Concentration	Q	Units	DF	Analysis Date/Time
7440-36-0	Antimony	ND	U	mg/kg	1	06/24/2014 10:39
7440-38-2	Arsenic	2.5		mg/kg	1	06/24/2014 10:39
7440-47-3	Chromium	9.1		mg/kg	1	06/24/2014 10:39
7440-48-4	Cobalt	2.7		mg/kg	1	06/24/2014 10:39
7439-89-6	Iron	9120		mg/kg	1	06/24/2014 10:39
7439-92-1	Lead	9.4		mg/kg	1	06/24/2014 10:39
7782-49-2	Selenium	ND	U	mg/kg	1	06/24/2014 10:39
7440-28-0	Thallium	2.9		mg/kg	1	06/24/2014 10:39

FORM I INORGANIC-1
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

TMW-4(14-16)

Lab Name: Pace Analytical - Indiana SDG No. : 5099688 Contract: Sibley-Accucast/2339-356-
Lab Sample ID: 5099688003 Percent Moisture: 10.9

CAS No.	Analyte	Concentration	Q	Units	DF	Analysis Date/Time
7440-36-0	Antimony	ND	U	mg/kg	1	06/24/2014 10:47
7440-38-2	Arsenic	3.2		mg/kg	1	06/24/2014 10:47
7440-47-3	Chromium	5.4		mg/kg	1	06/24/2014 10:47
7440-48-4	Cobalt	1.9		mg/kg	1	06/24/2014 10:47
7439-89-6	Iron	5490		mg/kg	1	06/24/2014 10:47
7439-92-1	Lead	4.9		mg/kg	1	06/24/2014 10:47
7782-49-2	Selenium	ND	U	mg/kg	1	06/24/2014 10:47
7440-28-0	Thallium	2.1		mg/kg	1	06/24/2014 10:47

FORM I INORGANIC-1
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

TMW-4(5-7)

Lab Name: Pace Analytical - Indiana SDG No. : 5099688 Contract: Sibley-Accucast/2339-356-
Lab Sample ID: 5099688004 Percent Moisture: 4.4

CAS No.	Analyte	Concentration	Q	Units	DF	Analysis Date/Time
7440-36-0	Antimony	ND	U	mg/kg	1	06/24/2014 10:49
7440-38-2	Arsenic	4.0		mg/kg	1	06/24/2014 10:49
7440-47-3	Chromium	6.7		mg/kg	1	06/24/2014 10:49
7440-48-4	Cobalt	2.2		mg/kg	1	06/24/2014 10:49
7439-89-6	Iron	7150		mg/kg	1	06/24/2014 10:49
7439-92-1	Lead	4.5		mg/kg	1	06/24/2014 10:49
7782-49-2	Selenium	ND	U	mg/kg	1	06/24/2014 10:49
7440-28-0	Thallium	2.3		mg/kg	1	06/24/2014 10:49

FORM I INORGANIC-1
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

P-5(10-12)

Lab Name: Pace Analytical - Indiana SDG No. : 5099688 Contract: Sibley-Accucast/2339-356-
Lab Sample ID: 5099688005 Percent Moisture: 3.9

CAS No.	Analyte	Concentration	Q	Units	DF	Analysis Date/Time
7440-36-0	Antimony	ND	U	mg/kg	1	06/24/2014 10:51
7440-38-2	Arsenic	2.0		mg/kg	1	06/24/2014 10:51
7440-47-3	Chromium	3.5		mg/kg	1	06/24/2014 10:51
7440-48-4	Cobalt	1.1		mg/kg	1	06/24/2014 10:51
7439-89-6	Iron	4140		mg/kg	1	06/24/2014 10:51
7439-92-1	Lead	2.6		mg/kg	1	06/24/2014 10:51
7782-49-2	Selenium	ND	U	mg/kg	1	06/24/2014 10:51
7440-28-0	Thallium	1.5		mg/kg	1	06/24/2014 10:51

FORM I INORGANIC-1
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

P-5(2-4)

Lab Name: Pace Analytical - Indiana SDG No. : 5099688 Contract: Sibley-Accucast/2339-356-
 Lab Sample ID: 5099688006 Percent Moisture: 4.3

CAS No.	Analyte	Concentration	Q	Units	DF	Analysis Date/Time
7440-36-0	Antimony	ND	U	mg/kg	1	06/24/2014 10:54
7440-38-2	Arsenic	2.6		mg/kg	1	06/24/2014 10:54
7440-47-3	Chromium	6.1		mg/kg	1	06/24/2014 10:54
7440-48-4	Cobalt	2.3		mg/kg	1	06/24/2014 10:54
7439-89-6	Iron	6780		mg/kg	1	06/24/2014 10:54
7439-92-1	Lead	4.1		mg/kg	1	06/24/2014 10:54
7782-49-2	Selenium	ND	U	mg/kg	1	06/24/2014 10:54
7440-28-0	Thallium	2.3		mg/kg	1	06/24/2014 10:54

FORM I INORGANIC-1
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

TMW-6(14-16)

Lab Name: Pace Analytical - Indiana SDG No. : 5099688 Contract: Sibley-Accucast/2339-356-
Lab Sample ID: 5099688007 Percent Moisture: 9.1

CAS No.	Analyte	Concentration	Q	Units	DF	Analysis Date/Time
7440-36-0	Antimony	ND	U	mg/kg	1	06/24/2014 10:56
7440-38-2	Arsenic	2.0		mg/kg	1	06/24/2014 10:56
7440-47-3	Chromium	3.4		mg/kg	1	06/24/2014 10:56
7440-48-4	Cobalt	1.2		mg/kg	1	06/24/2014 10:56
7439-89-6	Iron	3310		mg/kg	1	06/24/2014 10:56
7439-92-1	Lead	2.4		mg/kg	1	06/24/2014 10:56
7782-49-2	Selenium	ND	U	mg/kg	1	06/24/2014 10:56
7440-28-0	Thallium	1.5		mg/kg	1	06/24/2014 10:56

FORM I INORGANIC-1
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

TMW-6(2-4)

Lab Name: Pace Analytical - Indiana SDG No. : 5099688 Contract: Sibley-Accucast/2339-356-
 Lab Sample ID: 5099688008 Percent Moisture: 12.9

CAS No.	Analyte	Concentration	Q	Units	DF	Analysis Date/Time
7440-36-0	Antimony	ND	U	mg/kg	1	06/24/2014 10:58
7440-38-2	Arsenic	6.3		mg/kg	1	06/24/2014 10:58
7440-47-3	Chromium	27.5		mg/kg	1	06/24/2014 10:58
7440-48-4	Cobalt	4.6		mg/kg	1	06/24/2014 10:58
7439-89-6	Iron	32700		mg/kg	10	06/24/2014 11:42
7439-92-1	Lead	127		mg/kg	1	06/24/2014 10:58
7782-49-2	Selenium	ND	U	mg/kg	1	06/24/2014 10:58
7440-28-0	Thallium	2.3		mg/kg	1	06/24/2014 10:58

FORM I INORGANIC-1
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

P-6(10-12)

Lab Name: Pace Analytical - Indiana SDG No. : 5099688 Contract: Sibley-Accucast/2339-356-
 Lab Sample ID: 5099688009 Percent Moisture: 2.9

CAS No.	Analyte	Concentration	Q	Units	DF	Analysis Date/Time
7440-36-0	Antimony	ND	U	mg/kg	1	06/24/2014 11:04
7440-38-2	Arsenic	3.3		mg/kg	1	06/24/2014 11:04
7440-47-3	Chromium	4.3		mg/kg	1	06/24/2014 11:04
7440-48-4	Cobalt	2.1		mg/kg	1	06/24/2014 11:04
7439-89-6	Iron	4940		mg/kg	1	06/24/2014 11:04
7439-92-1	Lead	5.7		mg/kg	1	06/24/2014 11:04
7782-49-2	Selenium	ND	U	mg/kg	1	06/24/2014 11:04
7440-28-0	Thallium	2.3		mg/kg	1	06/24/2014 11:04

FORM I INORGANIC-1
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

P-6(2-4)

Lab Name: Pace Analytical - Indiana SDG No. : 5099688 Contract: Sibley-Accucast/2339-356-
Lab Sample ID: 5099688010 Percent Moisture: 6.3

CAS No.	Analyte	Concentration	Q	Units	DF	Analysis Date/Time
7440-36-0	Antimony	ND	U	mg/kg	1	06/24/2014 11:06
7440-38-2	Arsenic	1.9		mg/kg	1	06/24/2014 11:06
7440-47-3	Chromium	5.0		mg/kg	1	06/24/2014 11:06
7440-48-4	Cobalt	2.5		mg/kg	1	06/24/2014 11:06
7439-89-6	Iron	5600		mg/kg	1	06/24/2014 11:06
7439-92-1	Lead	5.6		mg/kg	1	06/24/2014 11:06
7782-49-2	Selenium	ND	U	mg/kg	1	06/24/2014 11:06
7440-28-0	Thallium	2.0		mg/kg	1	06/24/2014 11:06

FORM I INORGANIC-1
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

P-3 RE(2-4)

Lab Name: Pace Analytical - Indiana SDG No. : 5099688 Contract: Sibley-Accucast/2339-356-
Lab Sample ID: 5099688011 Percent Moisture: 12.2

CAS No.	Analyte	Concentration	Q	Units	DF	Analysis Date/Time
7440-36-0	Antimony	ND	U	mg/kg	1	06/24/2014 11:18
7440-38-2	Arsenic	22.0		mg/kg	1	06/24/2014 11:18
7440-47-3	Chromium	15.8		mg/kg	1	06/24/2014 11:18
7440-48-4	Cobalt	4.3		mg/kg	1	06/24/2014 11:18
7439-89-6	Iron	56100		mg/kg	10	06/24/2014 11:48
7439-92-1	Lead	37.8		mg/kg	1	06/24/2014 11:18
7782-49-2	Selenium	ND	U	mg/kg	1	06/24/2014 11:18
7440-28-0	Thallium	5.4		mg/kg	1	06/24/2014 11:18

FORM I INORGANIC-1
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

P-8 RE(0-2)

Lab Name: Pace Analytical - Indiana SDG No. : 5099688 Contract: Sibley-Accucast/2339-356-
Lab Sample ID: 5099688012 Percent Moisture: 12.7

CAS No.	Analyte	Concentration	Q	Units	DF	Analysis Date/Time
7440-36-0	Antimony	ND	U	mg/kg	1	06/24/2014 11:20
7440-38-2	Arsenic	3.2		mg/kg	1	06/24/2014 11:20
7440-47-3	Chromium	14.3		mg/kg	1	06/24/2014 11:20
7440-48-4	Cobalt	1.3		mg/kg	1	06/24/2014 11:20
7439-89-6	Iron	23100		mg/kg	10	06/24/2014 11:50
7439-92-1	Lead	4.1		mg/kg	1	06/24/2014 11:20
7782-49-2	Selenium	ND	U	mg/kg	1	06/24/2014 11:20
7440-28-0	Thallium	ND	U	mg/kg	1	06/24/2014 11:20

FORM I INORGANIC-1
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SOIL EQ BLANK

Lab Name: Pace Analytical - Indiana SDG No. : 5099688 Contract: Sibley-Accucast/2339-356-
Lab Sample ID: 5099688013 Percent Moisture: _____

CAS No.	Analyte	Concentration	Q	Units	DF	Analysis Date/Time
7440-36-0	Antimony	ND	U	ug/L	1	06/25/2014 14:30
7440-38-2	Arsenic	ND	U	ug/L	1	06/25/2014 14:30
7440-47-3	Chromium	ND	U	ug/L	1	06/25/2014 14:30
7440-48-4	Cobalt	ND	U	ug/L	1	06/25/2014 14:30
7439-89-6	Iron	ND	U	ug/L	1	06/25/2014 14:30
7439-92-1	Lead	ND	U	ug/L	1	06/25/2014 14:30
7782-49-2	Selenium	ND	U	ug/L	1	06/25/2014 14:30
7440-28-0	Thallium	ND	U	ug/L	1	06/25/2014 14:30

FORM II INORGANIC-1
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Pace Analytical - Indiana SDG No. : 5099688 Contract: Sibley-Accucast/2339-356-03-00

Initial Calibration Verification Source: 71344

Continuing Calibration Verification Source: 71345

Concentration Units: ug/L Instrument ID: 50ICP2

Analyte	Initial Calibration Verification				Continuing Calibration Verification						
	06/25/2014 09:11				06/25/2014 09:38			06/25/2014 13:04			Control Limit
	True	Found	%R	Control Limit	True	Found	%R	True	Found	%R	
Antimony	1000	1010	100.9	90-110	1000	1000	100.5	1000	990	99.0	90-110
Arsenic	1000	998	99.8	90-110	1000	998	99.8	1000	980	98.0	90-110
Chromium	1000	992	99.2	90-110	1000	994	99.4	1000	968	96.8	90-110
Cobalt	1000	988	98.8	90-110	1000	989	98.9	1000	972	97.2	90-110
Iron	10000	10200	101.8	90-110	10000	10200	101.6	10000	9850	98.5	90-110
Lead	1000	953	95.3	90-110	1000	947	94.7	1000	925	92.5	90-110
Selenium	1000	978	97.8	90-110	1000	971	97.1	1000	958	95.8	90-110
Thallium	1000	956	95.6	90-110	1000	951	95.1	1000	932	93.2	90-110

FORM II INORGANIC-2
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Pace Analytical - Indiana SDG No. : 5099688 Contract: Sibley-Accucast/2339-356-03-00

Initial Calibration Verification Source: _____

Continuing Calibration Verification Source: 71345

Concentration Units: ug/L Instrument ID: 50ICP2

Analyte	Continuing Calibration Verification									Control Limit
	06/25/2014 13:37			06/25/2014 14:13			06/25/2014 14:35			
	True	Found	%R	True	Found	%R	True	Found	%R	
Antimony	1000	993	99.3	1000	987	98.7	1000	995	99.5	90-110
Arsenic	1000	985	98.5	1000	979	97.9	1000	981	98.1	90-110
Chromium	1000	974	97.4	1000	968	96.8	1000	971	97.1	90-110
Cobalt	1000	973	97.3	1000	971	97.1	1000	968	96.8	90-110
Iron	10000	9940	99.4	10000	9860	98.6	10000	9960	99.6	90-110
Lead	1000	927	92.7	1000	928	92.8	1000	933	93.3	90-110
Selenium	1000	961	96.1	1000	950	95.0	1000	956	95.6	90-110
Thallium	1000	934	93.4	1000	934	93.4	1000	940	94.0	90-110

FORM II INORGANIC-3
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Pace Analytical - Indiana SDG No. : 5099688 Contract: Sibley-Accucast/2339-356-03-00

Initial Calibration Verification Source: _____

Continuing Calibration Verification Source: 71345

Concentration Units: ug/L Instrument ID: 50ICP2

Analyte	Continuing Calibration Verification			Control Limit
	06/25/2014 15:12			
	True	Found	%R	
Antimony	1000	985	98.5	90-110
Arsenic	1000	980	98.0	90-110
Chromium	1000	958	95.8	90-110
Cobalt	1000	965	96.5	90-110
Iron	10000	9760	97.6	90-110
Lead	1000	917	91.7	90-110
Selenium	1000	949	94.9	90-110
Thallium	1000	920	92.0	90-110

FORM II INORGANIC-1
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Pace Analytical - Indiana SDG No. : 5099688 Contract: Sibley-Accucast/2339-356-03-00

Initial Calibration Verification Source: 71219

Continuing Calibration Verification Source: 71220

Concentration Units: ug/L Instrument ID: 50ICP3

Analyte	Initial Calibration Verification				Continuing Calibration Verification						
	06/24/2014 08:00				06/24/2014 08:33			06/24/2014 10:17			Control Limit
	True	Found	%R	Control Limit	True	Found	%R	True	Found	%R	
Antimony	1000	1010	100.9	90-110	1000	1010	101.1	1000	990	99.0	90-110
Arsenic	1000	1010	101.1	90-110	1000	1000	100.5	1000	998	99.8	90-110
Chromium	1000	988	98.8	90-110	1000	971	97.1	1000	949	94.9	90-110
Cobalt	1000	992	99.2	90-110	1000	990	99.0	1000	972	97.2	90-110
Iron	10000	9990	99.9	90-110	10000	9880	98.8	10000	9950	99.5	90-110
Lead	1000	992	99.2	90-110	1000	979	97.9	1000	971	97.1	90-110
Selenium	1000	990	99.0	90-110	1000	986	98.6	1000	974	97.4	90-110
Thallium	1000	986	98.6	90-110	1000	984	98.4	1000	967	96.7	90-110

FORM II INORGANIC-2
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Pace Analytical - Indiana SDG No. : 5099688 Contract: Sibley-Accucast/2339-356-03-00

Initial Calibration Verification Source: _____

Continuing Calibration Verification Source: 71220

Concentration Units: ug/L Instrument ID: 50ICP3

Analyte	Continuing Calibration Verification									Control Limit
	06/24/2014 10:41			06/24/2014 11:08			06/24/2014 11:34			
	True	Found	%R	True	Found	%R	True	Found	%R	
Antimony	1000	1000	100.2	1000	1010	100.9	1000	1020	102.3	90-110
Arsenic	1000	1000	100.2	1000	1020	101.5	1000	1030	102.6	90-110
Chromium	1000	973	97.3	1000	976	97.6	1000	984	98.4	90-110
Cobalt	1000	980	98.0	1000	987	98.7	1000	1000	100.1	90-110
Iron	10000	9980	99.8	10000	10000	100.0	10000	10200	101.5	90-110
Lead	1000	972	97.2	1000	994	99.4	1000	1010	100.8	90-110
Selenium	1000	977	97.7	1000	1000	100.0	1000	1010	100.6	90-110
Thallium	1000	976	97.6	1000	980	98.0	1000	995	99.5	90-110

FORM II INORGANIC-3
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Pace Analytical - Indiana SDG No. : 5099688 Contract: Sibley-Accucast/2339-356-03-00

Initial Calibration Verification Source: _____

Continuing Calibration Verification Source: 71220

Concentration Units: ug/L Instrument ID: 50ICP3

Analyte	Continuing Calibration Verification			Control Limit
	06/24/2014 12:01			
	True	Found	%R	
Antimony	1000	998	99.8	90-110
Arsenic	1000	1000	100.0	90-110
Chromium	1000	956	95.6	90-110
Cobalt	1000	976	97.6	90-110
Iron	10000	9940	99.4	90-110
Lead	1000	977	97.7	90-110
Selenium	1000	983	98.3	90-110
Thallium	1000	967	96.7	90-110

FORM II INORGANIC-1
CRDL CHECK STANDARD

Lab Name: Pace Analytical - Indiana SDG No. : 5099688 Contract: Sibley-Accucast/2339-356-03-00

CRDL Check Standard Source: 71369 Analysis Date/Time: 06/25/2014 09:03

Concentration Units: ug/L

Analyte	CRDL Check Standard			
	True	Found	%R	Control Limit %R
Antimony	6.0	7.9	131.3	50-150
Arsenic	10.0	10.2	102.3	50-150
Chromium	10.0	10.3	102.9	50-150
Cobalt	10.0	10.3	103.4	50-150
Iron	100	113	112.6	50-150
Lead	10.0	9.4	93.9	50-150
Selenium	10.0	9.7	97.2	50-150
Thallium	10.0	10.4	103.9	50-150

FORM II INORGANIC-1
CRDL CHECK STANDARD

Lab Name: Pace Analytical - Indiana SDG No. : 5099688 Contract: Sibley-Accucast/2339-356-03-00

CRDL Check Standard Source: 71369 Analysis Date/Time: 06/25/2014 13:42

Concentration Units: ug/L

Analyte	CRDL Check Standard			
	True	Found	%R	Control Limit %R
Antimony	6.0	6.7	112.4	50-150
Arsenic	10.0	8.4	84.2	50-150
Chromium	10.0	10.2	101.5	50-150
Cobalt	10.0	10.0	100.1	50-150
Iron	100	116	115.8	50-150
Lead	10.0	8.3	83.3	50-150
Selenium	10.0	10.6	106.2	50-150
Thallium	10.0	10.2	101.7	50-150

FORM II INORGANIC-1
CRDL CHECK STANDARD

Lab Name: Pace Analytical - Indiana SDG No. : 5099688 Contract: Sibley-Accucast/2339-356-03-00

CRDL Check Standard Source: 71369 Analysis Date/Time: 06/25/2014 14:40

Concentration Units: ug/L

Analyte	CRDL Check Standard			
	True	Found	%R	Control Limit %R
Antimony	6.0	6.8	114.0	50-150
Arsenic	10.0	9.4	94.3	50-150
Chromium	10.0	10.1	100.8	50-150
Cobalt	10.0	10.3	103.1	50-150
Iron	100	110	110.4	50-150
Lead	10.0	8.2	81.7	50-150
Selenium	10.0	8.3	82.8	50-150
Thallium	10.0	10.1	101.2	50-150

FORM II INORGANIC-1
CRDL CHECK STANDARD

Lab Name: Pace Analytical - Indiana SDG No. : 5099688 Contract: Sibley-Accucast/2339-356-03-00

CRDL Check Standard Source: 71369 Analysis Date/Time: 06/25/2014 15:18

Concentration Units: ug/L

Analyte	CRDL Check Standard			
	True	Found	%R	Control Limit %R
Antimony	6.0	6.8	113.7	50-150
Arsenic	10.0	10.5	104.7	50-150
Chromium	10.0	10.2	102.2	50-150
Cobalt	10.0	10.0	100.4	50-150
Iron	100	117	117.3	50-150
Lead	10.0	9.3	93.3	50-150
Selenium	10.0	10.0	100.1	50-150
Thallium	10.0	10.2	101.8	50-150

FORM II INORGANIC-1
CRDL CHECK STANDARD

Lab Name: Pace Analytical - Indiana SDG No. : 5099688 Contract: Sibley-Accucast/2339-356-03-00

CRDL Check Standard Source: 71132 Analysis Date/Time: 06/24/2014 08:04

Concentration Units: ug/L

Analyte	CRDL Check Standard			
	True	Found	%R	Control Limit %R
Antimony	6.0	7.5	125.2	50-150
Arsenic	10.0	12.4	124.3	50-150
Chromium	10.0	10.1	100.8	50-150
Cobalt	10.0	10.3	103.2	50-150
Iron	100	109	109.0	50-150
Lead	10.0	10.1	100.9	50-150
Selenium	10.0	10.9	108.7	50-150
Thallium	10.0	9.3	93.5	50-150

FORM II INORGANIC-1
CRDL CHECK STANDARD

Lab Name: Pace Analytical - Indiana SDG No. : 5099688 Contract: Sibley-Accucast/2339-356-03-00

CRDL Check Standard Source: 71132 Analysis Date/Time: 06/24/2014 10:45

Concentration Units: ug/L

Analyte	CRDL Check Standard			
	True	Found	%R	Control Limit %R
Antimony	6.0	8.2	137.2	50-150
Arsenic	10.0	12.3	122.8	50-150
Chromium	10.0	6.0	60.5	50-150
Cobalt	10.0	10.3	102.8	50-150
Iron	100	126	126.1	50-150
Lead	10.0	9.7	97.3	50-150
Selenium	10.0	9.7	97.0	50-150
Thallium	10.0	9.7	97.0	50-150

FORM II INORGANIC-1
CRDL CHECK STANDARD

Lab Name: Pace Analytical - Indiana SDG No. : 5099688 Contract: Sibley-Accucast/2339-356-03-00

CRDL Check Standard Source: 71132 Analysis Date/Time: 06/24/2014 11:38

Concentration Units: ug/L

Analyte	CRDL Check Standard			
	True	Found	%R	Control Limit %R
Antimony	6.0	6.4	106.8	50-150
Arsenic	10.0	12.4	123.7	50-150
Chromium	10.0	9.6	96.3	50-150
Cobalt	10.0	10.4	103.9	50-150
Iron	100	129	128.8	50-150
Lead	10.0	8.8	87.9	50-150
Selenium	10.0	10.9	108.6	50-150
Thallium	10.0	8.1	81.0	50-150

FORM III INORGANIC-1
BLANKS

Lab Name: Pace Analytical - Indiana SDG No. : 5099688 Contract : Sibley-Accucast/2339-356-03-00

Method Blank Matrix: Water Instrument ID: 50ICP2

Method Blank Concentration Units: ug/L

Analyte	Initial Calibration Blank (ug/L)		Continuing Calibration Blank (ug/L)						Method Blank	
	06/25/2014 09:00	C	06/25/2014 09:40	C	06/25/2014 13:06	C	06/25/2014 13:40	C	1116762	C
Antimony	4.5	J	4.0	U	4.0	U	4.0	U	ND	U
Arsenic	5.0	U	5.0	U	5.0	U	5.0	U	ND	U
Chromium	5.0	U	5.0	U	5.0	U	5.0	U	ND	U
Cobalt	25.0	U	25.0	U	25.0	U	25.0	U	ND	U
Iron	50.0	U	50.0	U	50.0	U	50.0	U	ND	U
Lead	4.0	U	4.0	U	4.0	U	4.0	U	ND	U
Selenium	5.0	U	5.0	U	5.0	U	5.0	U	ND	U
Thallium	25.0	U	25.0	U	25.0	U	25.0	U	ND	U

FORM III INORGANIC-2
BLANKS

Lab Name: Pace Analytical - Indiana SDG No. : 5099688 Contract : Sibley-Accucast/2339-356-03-00

Method Blank Matrix: _____ Instrument ID: 50ICP2

Method Blank Concentration Units: _____

Analyte	Initial Calibration Blank		Continuing Calibration Blank (ug/L)					
		C	06/25/2014 14:16	C	06/25/2014 14:38	C	06/25/2014 15:15	C
Antimony			4.0	U	4.0	U	4.0	U
Arsenic			5.0	U	5.0	U	5.0	U
Chromium			5.0	U	5.0	U	5.0	U
Cobalt			25.0	U	25.0	U	25.0	U
Iron			50.0	U	50.0	U	50.0	U
Lead			4.0	U	4.0	U	4.0	U
Selenium			5.0	U	5.0	U	5.0	U
Thallium			25.0	U	25.0	U	25.0	U

FORM III INORGANIC-1
BLANKS

Lab Name: Pace Analytical - Indiana SDG No. : 5099688 Contract : Sibley-Accucast/2339-356-03-00

Method Blank Matrix: Solid Instrument ID: 50ICP3

Method Blank Concentration Units: mg/kg

Analyte	Initial Calibration Blank (ug/L)		Continuing Calibration Blank (ug/L)						Method Blank	
	06/24/2014 08:02	C	06/24/2014 08:35	C	06/24/2014 10:19	C	06/24/2014 10:43	C	1115936	C
Antimony	4.0	U	4.0	U	4.0	U	4.0	U	ND	U
Arsenic	5.0	U	5.0	U	5.0	U	5.0	U	ND	U
Chromium	5.0	U	5.0	U	5.0	U	5.0	U	ND	U
Cobalt	25.0	U	25.0	U	25.0	U	25.0	U	ND	U
Iron	50.0	U	50.0	U	50.0	U	50.0	U	ND	U
Lead	4.0	U	4.0	U	4.0	U	4.0	U	ND	U
Selenium	5.0	U	5.0	U	5.0	U	5.0	U	ND	U
Thallium	25.0	U	25.0	U	25.0	U	25.0	U	ND	U

FORM III INORGANIC-2
BLANKS

Lab Name: Pace Analytical - Indiana SDG No. : 5099688 Contract : Sibley-Accucast/2339-356-03-00

Method Blank Matrix: _____ Instrument ID: 50ICP3

Method Blank Concentration Units: _____

Analyte	Initial Calibration Blank		Continuing Calibration Blank (ug/L)					
		C	06/24/2014 11:12	C	06/24/2014 11:36	C	06/24/2014 12:03	C
Antimony			4.0	U	4.0	U	4.0	U
Arsenic			5.0	U	5.0	U	5.0	U
Chromium			5.0	U	5.0	U	5.0	U
Cobalt			25.0	U	25.0	U	25.0	U
Iron			50.0	U	50.0	U	50.0	U
Lead			4.0	U	4.0	U	4.0	U
Selenium			5.0	U	5.0	U	5.0	U
Thallium			25.0	U	25.0	U	25.0	U

FORM IV INORGANIC-1
INTERFERENCE CHECK SAMPLE

Lab Name: Pace Analytical - Indiana SDG No. : 5099688 Contract: Sibley-Accucast/2339-356-03-00

Instrument ID: 50ICP2 Solution A Run Date: (1) 06/25/2014 09:05 (2) 06/25/2014 13:09

ICS Source: 71306,71307 Solution AB Run Date: (1) 06/25/2014 09:08 (2) 06/25/2014 13:12

Concentration Units: ug/L

Analyte	True		Found				Found			
	Sol. A	Sol. AB	Sol. A	%R	Sol. AB	%R	Sol. A	%R	Sol. AB	%R
Aluminum	500000	500000	459600	91.9	459700	91.9	455500	91.1	451300	90.3
Antimony		500	-1.755		511.2	102.2	-0.4611		503.6	100.7
Arsenic		500	-6.521		513.4	102.7	-3.78		497	99.4
Calcium	500000	500000	440300	88.1	437400	87.5	430300	86.1	429300	85.9
Chromium		500	1.553		490	98	1.542		470.7	94.1
Cobalt		500	-1.435		474.7	94.9	-1.373		459.4	91.9
Iron	200000	200000	190400	95.2	189800	94.9	186300	93.2	185200	92.6
Lead		500	-5.004		448.3	89.7	-3.925		433.2	86.6
Magnesium	500000	500000	495800	99.2	492400	98.5	480200	96	478400	95.7
Selenium		500	1.845		510.2	102	1.858		491.7	98.3
Thallium		500	-9.856		451	90.2	-7.651		437	87.4

FORM IV INORGANIC-1
INTERFERENCE CHECK SAMPLE

Lab Name: Pace Analytical - Indiana SDG No. : 5099688 Contract: Sibley-Accucast/2339-356-03-00

Instrument ID: 50ICP3 Solution A Run Date: 06/24/2014 08:06

ICS Source: 71048,71049 Solution AB Run Date: 06/24/2014 08:09

Concentration Units: ug/L

Analyte	True		Found				
	Sol. A	Sol. AB	Sol. A	%R	Sol. AB	%R	Limits
Aluminum	500000	500000	512000	102.4	505500	101.1	80-120
Antimony		500	5.834		525.2	105	80-120
Arsenic		500	8.647		550.8	110.2	80-120
Calcium	500000	500000	470800	94.2	466000	93.2	80-120
Chromium		500	0.7774		494.8	99	80-120
Cobalt		500	3.592		508.4	101.7	80-120
Iron	200000	200000	199200	99.6	197600	98.8	80-120
Lead		500	-0.3305		518	103.6	80-120
Magnesium	500000	500000	544000	108.8	539200	107.8	80-120
Selenium		500	-10.17		512	102.4	80-120
Thallium		500	-0.0551		517.8	103.6	80-120

FORM V INORGANIC-1
MATRIX SPIKE SAMPLE RECOVERY

SAMPLE NO.

1115938MS

Lab Name: Pace Analytical - Indiana SDG No. : 5099688 Contract: Sibley-Accucast/2339-356-

Matrix: Solid Basis: Dry Parent Sample ID: 5099697001

Percent Moisture: 10.2

Analyte	Units	Control Limit %R	Spiked Sample Result (SSR)	Sample Result (SR)	Spike Added (SA)	%R
Antimony	mg/kg	75-125	12.6	ND	53.8	23*
Arsenic	mg/kg	75-125	56.6	9.0	53.8	88
Chromium	mg/kg	75-125	64.7	18.8	53.8	85
Cobalt	mg/kg	75-125	55.6	11.6	53.8	82
Iron	mg/kg	75-125	19600	23600	538	-740*
Lead	mg/kg	75-125	56.1	11.4	53.8	83
Selenium	mg/kg	75-125	47.9	ND	53.8	89
Thallium	mg/kg	75-125	50.0	4.0	53.8	85

* Spike Recovery outside QC Limits

07/21/2014 08:52

FORM V INORGANIC-2
MATRIX SPIKE SAMPLE RECOVERY

SAMPLE NO.

1115939MSD

Lab Name: Pace Analytical - Indiana SDG No. : 5099688 Contract: Sibley-Accucast/2339-356-

Matrix: Solid Basis: Dry Parent Sample ID: 5099697001

Percent Moisture: 10.2

Analyte	Units	Control Limit %R	Spiked Sample Result (SSR)	Sample Result (SR)	Spike Added (SA)	%R
Antimony	mg/kg	75-125	13.2	ND	53.1	25*
Arsenic	mg/kg	75-125	55.3	9.0	53.1	87
Chromium	mg/kg	75-125	65.0	18.8	53.1	87
Cobalt	mg/kg	75-125	54.8	11.6	53.1	81
Iron	mg/kg	75-125	19100	23600	531	-837*
Lead	mg/kg	75-125	56.0	11.4	53.1	84
Selenium	mg/kg	75-125	47.5	ND	53.1	89
Thallium	mg/kg	75-125	50.7	4.0	53.1	88

* Spike Recovery outside QC Limits

07/21/2014 08:52

FORM V INORGANIC-3
MATRIX SPIKE SAMPLE RECOVERY

SAMPLE NO.

1115940MS

Lab Name: Pace Analytical - Indiana SDG No. : 5099688 Contract: Sibley-Accucast/2339-356-

Matrix: Solid Basis: Dry Parent Sample ID: TMW-5(12-14)

Percent Moisture: 4.7

Analyte	Units	Control Limit %R	Spiked Sample Result (SSR)	Sample Result (SR)	Spike Added (SA)	%R
Antimony	mg/kg	75-125	34.7	ND	46.0	75
Arsenic	mg/kg	75-125	48.6	1.6	46.0	102
Chromium	mg/kg	75-125	44.9	2.6	46.0	92
Cobalt	mg/kg	75-125	44.6	1.2	46.0	94
Iron	mg/kg	75-125	3580	2980	460	129*
Lead	mg/kg	75-125	46.1	1.9	46.0	96
Selenium	mg/kg	75-125	47.4	ND	46.0	103
Thallium	mg/kg	75-125	45.8	1.8	46.0	96

* Spike Recovery outside QC Limits

FORM V INORGANIC-4
MATRIX SPIKE SAMPLE RECOVERY

SAMPLE NO.

1115941MSD

Lab Name: Pace Analytical - Indiana SDG No. : 5099688 Contract: Sibley-Accucast/2339-356-

Matrix: Solid Basis: Dry Parent Sample ID: TMW-5(12-14)

Percent Moisture: 4.7

Analyte	Units	Control Limit %R	Spiked Sample Result (SSR)	Sample Result (SR)	Spike Added (SA)	%R
Antimony	mg/kg	75-125	31.9	ND	44.3	72*
Arsenic	mg/kg	75-125	47.5	1.6	44.3	104
Chromium	mg/kg	75-125	42.7	2.6	44.3	91
Cobalt	mg/kg	75-125	42.9	1.2	44.3	94
Iron	mg/kg	75-125	3990	2980	443	227*
Lead	mg/kg	75-125	45.7	1.9	44.3	99
Selenium	mg/kg	75-125	46.1	ND	44.3	104
Thallium	mg/kg	75-125	43.9	1.8	44.3	95

* Spike Recovery outside QC Limits

07/21/2014 08:52

FORM V INORGANIC-5
MATRIX SPIKE SAMPLE RECOVERY

SAMPLE NO.

1115942MS

Lab Name: Pace Analytical - Indiana SDG No. : 5099688 Contract: Sibley-Accucast/2339-356-

Matrix: Solid Basis: Dry Parent Sample ID: TMW-6(2-4)

Percent Moisture: 12.9

Analyte	Units	Control Limit %R	Spiked Sample Result (SSR)	Sample Result (SR)	Spike Added (SA)	%R
Antimony	mg/kg	75-125	29.5	ND	51.5	56*
Arsenic	mg/kg	75-125	57.6	6.3	51.5	100
Chromium	mg/kg	75-125	70.0	27.5	51.5	83
Cobalt	mg/kg	75-125	53.5	4.6	51.5	95
Iron	mg/kg	75-125	23900	32700	515	-1710*
Lead	mg/kg	75-125	153	127	51.5	50*
Selenium	mg/kg	75-125	52.1	ND	51.5	101
Thallium	mg/kg	75-125	51.3	2.3	51.5	95

* Spike Recovery outside QC Limits

07/21/2014 08:52

FORM V INORGANIC-6
MATRIX SPIKE SAMPLE RECOVERY

SAMPLE NO.

1115943MSD

Lab Name: Pace Analytical - Indiana SDG No. : 5099688 Contract: Sibley-Accucast/2339-356-

Matrix: Solid Basis: Dry Parent Sample ID: TMW-6(2-4)

Percent Moisture: 12.9

Analyte	Units	Control Limit %R	Spiked Sample Result (SSR)	Sample Result (SR)	Spike Added (SA)	%R
Antimony	mg/kg	75-125	27.5	ND	52.4	51*
Arsenic	mg/kg	75-125	59.2	6.3	52.4	101
Chromium	mg/kg	75-125	77.6	27.5	52.4	96
Cobalt	mg/kg	75-125	54.3	4.6	52.4	95
Iron	mg/kg	75-125	34900	32700	524	424*
Lead	mg/kg	75-125	179	127	52.4	98
Selenium	mg/kg	75-125	51.8	ND	52.4	99
Thallium	mg/kg	75-125	51.5	2.3	52.4	94

* Spike Recovery outside QC Limits

FORM V INORGANIC-1
MATRIX SPIKE SAMPLE RECOVERY

SAMPLE NO.

1116764MS

Lab Name: Pace Analytical - Indiana SDG No. : 5099688 Contract: Sibley-Accucast/2339-356-

Matrix: Water Basis: Wet Parent Sample ID: 5099737001

Percent Moisture: _____

Analyte	Units	Control Limit %R	Spiked Sample Result (SSR)	Sample Result (SR)	Spike Added (SA)	%R
Antimony	ug/L	75-125	1040	ND	1000	104
Arsenic	ug/L	75-125	1040	0.0054	1000	104
Chromium	ug/L	75-125	1000	ND	1000	100
Cobalt	ug/L	75-125	1010	0.013	1000	99
Iron	ug/L	75-125	25300	13.2	10000	122
Lead	ug/L	75-125	949	ND	1000	95
Selenium	ug/L	75-125	1010	ND	1000	101
Thallium	ug/L	75-125	946	ND	1000	95

FORM V INORGANIC-2
MATRIX SPIKE SAMPLE RECOVERY

SAMPLE NO.

1116765MSD

Lab Name: Pace Analytical - Indiana SDG No. : 5099688 Contract: Sibley-Accucast/2339-356-

Matrix: Water Basis: Wet Parent Sample ID: 5099737001

Percent Moisture: _____

Analyte	Units	Control Limit %R	Spiked Sample Result (SSR)	Sample Result (SR)	Spike Added (SA)	%R
Antimony	ug/L	75-125	1040	ND	1000	104
Arsenic	ug/L	75-125	1050	0.0054	1000	104
Chromium	ug/L	75-125	999	ND	1000	99
Cobalt	ug/L	75-125	1000	0.013	1000	99
Iron	ug/L	75-125	25800	13.2	10000	126*
Lead	ug/L	75-125	944	ND	1000	94
Selenium	ug/L	75-125	1000	ND	1000	100
Thallium	ug/L	75-125	943	ND	1000	94

* Spike Recovery outside QC Limits

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FORM V INORGANIC-1
POST-DIGESTION SPIKE SAMPLE RECOVERY

SAMPLE NO.

1116286PDS

Lab Name: Pace Analytical - Indiana SDG No. : 5099688 Contract: Sibley-Accucast/2339-356-03-00

Matrix: Solid Parent Sample ID: TMW-5(12-14)

Analyte	Units	Control Limit %R	DF	Spiked Sample Result (SSR)	DF	Sample Result (SR)	Spike Added (SA)	%R
Antimony	ug/L	75-125	1	1020	1	10.0U	1000	102.3
Arsenic	ug/L	75-125	1	1070	1	35.4	1000	103.4
Chromium	ug/L	75-125	1	981	1	57.8	1000	92.3
Cobalt	ug/L	75-125	1	975	1	27.4	1000	94.8
Iron	ug/L	75-125	1	73800	1	65600	10000	82.5
Lead	ug/L	75-125	1	1020	1	40.8	1000	97.7
Selenium	ug/L	75-125	1	1090	1	10.0U	1000	108.6
Thallium	ug/L	75-125	1	1010	1	38.5	1000	97.4

FORM V INORGANIC-1
POST-DIGESTION SPIKE SAMPLE RECOVERY

SAMPLE NO.

1117117PDS

Lab Name: Pace Analytical - Indiana SDG No. : 5099688 Contract: Sibley-Accucast/2339-356-03-00

Matrix: Water Parent Sample ID: 5099737001

Analyte	Units	Control Limit %R	DF	Spiked Sample Result (SSR)	DF	Sample Result (SR)	Spike Added (SA)	%R
Antimony	ug/L	75-125	1	999	1	3.0U	1000	99.9
Arsenic	ug/L	75-125	1	991	1	5.4J	1000	98.6
Chromium	ug/L	75-125	1	945	1	8.8J	1000	93.6
Cobalt	ug/L	75-125	1	954	1	13.0	1000	94.1
Iron	ug/L	75-125	1	22300	1	13200	10000	91.7
Lead	ug/L	75-125	1	900	1	4.0U	1000	90.0
Selenium	ug/L	75-125	1	960	1	5.0U	1000	96.0
Thallium	ug/L	75-125	1	895	1	5.0U	1000	89.5

FORM VI INORGANIC-1
DUPLICATES

SAMPLE NO.

1115939MSD

Lab Name: Pace Analytical - Indiana SDG No. : 5099688 Contract: Sibley-Accucast/2339-356-

Matrix: Solid Concentration Units: mg/kg

Percent Moisture: 10.2 Basis: Dry

Analyte	Control Limit	Sample	Duplicate	RPD
Antimony	20	12.6	13.2	5
Arsenic	20	56.6	55.3	2
Chromium	20	64.7	65.0	0
Cobalt	20	55.6	54.8	1
Iron	20	19600	19100	2
Lead	20	56.1	56.0	0
Selenium	20	47.9	47.5	1
Thallium	20	50.0	50.7	1

FORM VI INORGANIC-2
DUPLICATES

SAMPLE NO.

1115941MSD

Lab Name: Pace Analytical - Indiana SDG No. : 5099688 Contract: Sibley-Accucast/2339-356-

Matrix: Solid Concentration Units: mg/kg

Percent Moisture: 4.7 Basis: Dry

Analyte	Control Limit	Sample	Duplicate	RPD
Antimony	20	34.7	31.9	8
Arsenic	20	48.6	47.5	2
Chromium	20	44.9	42.7	5
Cobalt	20	44.6	42.9	4
Iron	20	3580	3990	11
Lead	20	46.1	45.7	1
Selenium	20	47.4	46.1	3
Thallium	20	45.8	43.9	4

FORM VI INORGANIC-3
DUPLICATES

SAMPLE NO.

1115943MSD

Lab Name: Pace Analytical - Indiana SDG No. : 5099688 Contract: Sibley-Accucast/2339-356-

Matrix: Solid Concentration Units: mg/kg

Percent Moisture: 12.9 Basis: Dry

Analyte	Control Limit	Sample	Duplicate	RPD
Antimony	20	29.5	27.5	7
Arsenic	20	57.6	59.2	3
Chromium	20	70.0	77.6	10
Cobalt	20	53.5	54.3	2
Iron	20	23900	34900	38*
Lead	20	153	179	15
Selenium	20	52.1	51.8	1
Thallium	20	51.3	51.5	0

* RPD outside QC Limits

07/21/2014 08:52

FORM VI INORGANIC-1
DUPLICATES

SAMPLE NO.

1116765MSD

Lab Name: Pace Analytical - Indiana SDG No. : 5099688 Contract: Sibley-Accucast/2339-356-

Matrix: Water Concentration Units: ug/L

Percent Moisture: _____ Basis: Wet

Analyte	Control Limit	Sample	Duplicate	RPD
Antimony	20	1040	1040	0
Arsenic	20	1040	1050	0
Chromium	20	1000	999	1
Cobalt	20	1010	1000	0
Iron	20	25300	25800	2
Lead	20	949	944	0
Selenium	20	1010	1000	1
Thallium	20	946	943	0

FORM VII INORGANIC-1
LABORATORY CONTROL SAMPLE

SAMPLE NO.

1115937LCS

Lab Name: Pace Analytical - Indiana SDG No. : 5099688 Contract: Sibley-Accucast/2339-356-

Matrix: Solid

Analyte	Units	True	Found	%R	Limits	
Antimony	mg/kg	50.0	50.2	100	80	120
Arsenic	mg/kg	50.0	51.4	103	80	120
Chromium	mg/kg	50.0	49.6	99	80	120
Cobalt	mg/kg	50.0	49.9	100	80	120
Iron	mg/kg	500	502	100	80	120
Lead	mg/kg	50.0	50.2	100	80	120
Selenium	mg/kg	50.0	50.6	101	80	120
Thallium	mg/kg	50.0	49.5	99	80	120

FORM VII INORGANIC-1
LABORATORY CONTROL SAMPLE

SAMPLE NO.

1116763LCS

Lab Name: Pace Analytical - Indiana SDG No. : 5099688 Contract: Sibley-Accucast/2339-356-

Matrix: Water

Analyte	Units	True	Found	%R	Limits	
Antimony	ug/L	1000	1010	101	80	120
Arsenic	ug/L	1000	999	100	80	120
Chromium	ug/L	1000	982	98	80	120
Cobalt	ug/L	1000	990	99	80	120
Iron	ug/L	10000	10100	101	80	120
Lead	ug/L	1000	948	95	80	120
Selenium	ug/L	1000	981	98	80	120
Thallium	ug/L	1000	950	95	80	120

FORM VIII INORGANIC-1
SERIAL DILUTIONS

1116287SD

Lab Name: Pace Analytical - Indiana SDG No. : 5099688 Contract: Sibley-Accucast/2339-356-03-00Matrix: Solid Parent Sample ID: TMW-5(12-14)

Analyte	Units	Initial Sample Result	Serial Dilution Result	% Difference	Control Limit %D
Antimony	ug/L	10.0U	60.2J		10
Arsenic	ug/L	35.4	50.0U		10
Chromium	ug/L	57.8	50.0U		10
Cobalt	ug/L	27.4	50.0U		10
Iron	ug/L	65600	67800	3.5	10
Lead	ug/L	40.8	50.0U		10
Selenium	ug/L	10.0U	50.0U		10
Thallium	ug/L	38.5	50.0U		10

% Difference not evaluated for parent results less than 50 times the reporting limit.

FORM VIII INORGANIC-1
SERIAL DILUTIONS

1117118SD

Lab Name: Pace Analytical - Indiana SDG No. : 5099688 Contract: Sibley-Accucast/2339-356-03-00Matrix: Water Parent Sample ID: 5099737001

Analyte	Units	Initial Sample Result	Serial Dilution Result	% Difference	Control Limit %D
Antimony	ug/L	3.0U	15.0U		10
Arsenic	ug/L	5.4J	25.0U		10
Chromium	ug/L	8.8J	25.0U		10
Cobalt	ug/L	13.0	25.0U		10
Iron	ug/L	13200	13500	2.5	10
Lead	ug/L	4.0U	20.0U		10
Selenium	ug/L	5.0U	25.0U		10
Thallium	ug/L	5.0U	25.0U		10

% Difference not evaluated for parent results less than 50 times the reporting limit.

FORM XIII INORGANIC-1
ANALYSIS RUN LOG

Lab Name: Pace Analytical - Indiana SDG No. : 5099688 Contract: Sibley-Accucast/2339-356-03-00

Instrument ID: 50ICP2 Analysis Method: EPA 6010

Start Date: 06/25/2014 08:35 End Date: 06/25/2014 15:18

Sample Name	Lab Sample ID	D/F	Date	Time	As	Co	Cr	Fe	Pb	Sb	Se	Tl
6894626CAL0	6894626CAL0	1	06/25/2014	08:35	X	X	X	X	X	X	X	X
6894627CAL1	6894627CAL1	1	06/25/2014	08:38					X		X	
6894628CAL2	6894628CAL2	1	06/25/2014	08:41		X		X				
6894629CAL3	6894629CAL3	1	06/25/2014	08:44	X							
6894630CAL4	6894630CAL4	1	06/25/2014	08:46			X					
6894631CAL5	6894631CAL5	1	06/25/2014	08:49						X		X
6894634ICB	6894634ICB	1	06/25/2014	09:00	X	X	X	X	X	X	X	X
6894635CRDL	6894635CRDL	1	06/25/2014	09:03	X	X	X	X	X	X	X	X
6894636ICSA	6894636ICSA	1	06/25/2014	09:05	X	X	X	X	X	X	X	X
6894637ICSAB	6894637ICSAB	1	06/25/2014	09:08	X	X	X	X	X	X	X	X
6894638ICV	6894638ICV	1	06/25/2014	09:11	X	X	X	X	X	X	X	X
6894639CCV	6894639CCV	1	06/25/2014	09:38	X	X	X	X	X	X	X	X
6894640CCB	6894640CCB	1	06/25/2014	09:40	X	X	X	X	X	X	X	X
6896229CCV	6896229CCV	1	06/25/2014	13:04	X	X	X	X	X	X	X	X
6896230CCB	6896230CCB	1	06/25/2014	13:06	X	X	X	X	X	X	X	X
6896231ICSA	6896231ICSA	1	06/25/2014	13:09	X	X	X	X	X	X	X	X
6896232ICSAB	6896232ICSAB	1	06/25/2014	13:12	X	X	X	X	X	X	X	X
1116763LCS	1116763	1	06/25/2014	13:15	X	X	X	X	X	X	X	X
6896233CCV	6896233CCV	1	06/25/2014	13:37	X	X	X	X	X	X	X	X
6896234CCB	6896234CCB	1	06/25/2014	13:40	X	X	X	X	X	X	X	X
6896235CRDL	6896235CRDL	1	06/25/2014	13:42	X	X	X	X	X	X	X	X
5099737001	5099737001	1	06/25/2014	13:48	X	X	X		X			
1117117PDS	1117117	1	06/25/2014	13:51	X	X	X	X	X	X	X	X
1117118SD	1117118	1	06/25/2014	13:53	X	X	X	X	X	X	X	X
1116764MS	1116764	1	06/25/2014	13:56	X	X	X	X	X	X	X	X
1116765MSD	1116765	1	06/25/2014	13:59	X	X	X	X	X	X	X	X
6896662CCV	6896662CCV	1	06/25/2014	14:13	X	X	X	X	X	X	X	X
6896663CCB	6896663CCB	1	06/25/2014	14:16	X	X	X	X	X	X	X	X
SOIL EQ BLANK	5099688013	1	06/25/2014	14:30	X	X	X	X	X	X	X	X
6896666CCV	6896666CCV	1	06/25/2014	14:35	X	X	X	X	X	X	X	X
6896667CCB	6896667CCB	1	06/25/2014	14:38	X	X	X	X	X	X	X	X
6896668CRDL	6896668CRDL	1	06/25/2014	14:40	X	X	X	X	X	X	X	X
1116762BLANK	1116762	1	06/25/2014	15:09	X	X	X	X	X	X	X	X
6897070CCV	6897070CCV	1	06/25/2014	15:12	X	X	X	X	X	X	X	X
6897071CCB	6897071CCB	1	06/25/2014	15:15	X	X	X	X	X	X	X	X
6897072CRDL	6897072CRDL	1	06/25/2014	15:18	X	X	X	X	X	X	X	X

FORM XIII INORGANIC-1
ANALYSIS RUN LOG

Lab Name: Pace Analytical - Indiana SDG No. : 5099688 Contract: Sibley-Accucast/2339-356-03-00

Instrument ID: 50ICP3 Analysis Method: EPA 6010

Start Date: 06/24/2014 07:42 End Date: 06/24/2014 12:03

Sample Name	Lab Sample ID	D/F	Date	Time	As	Co	Cr	Fe	Pb	Sb	Se	Tl
6889832CAL0	6889832CAL0	1	06/24/2014	07:42	X	X	X	X	X	X	X	X
6889833CAL1	6889833CAL1	1	06/24/2014	07:44					X		X	
6889834CAL2	6889834CAL2	1	06/24/2014	07:46		X		X				
6889835CAL3	6889835CAL3	1	06/24/2014	07:49	X							
6889836CAL4	6889836CAL4	1	06/24/2014	07:51			X					
6889837CAL5	6889837CAL5	1	06/24/2014	07:53						X		X
6889840ICV	6889840ICV	1	06/24/2014	08:00	X	X	X	X	X	X	X	X
6889841ICB	6889841ICB	1	06/24/2014	08:02	X	X	X	X	X	X	X	X
6889842CRDL	6889842CRDL	1	06/24/2014	08:04	X	X	X	X	X	X	X	X
6889843ICSA	6889843ICSA	1	06/24/2014	08:06	X	X	X	X	X	X	X	X
6889844ICSAB	6889844ICSAB	1	06/24/2014	08:09	X	X	X	X	X	X	X	X
6889845CCV	6889845CCV	1	06/24/2014	08:33	X	X	X	X	X	X	X	X
6889846CCB	6889846CCB	1	06/24/2014	08:35	X	X	X	X	X	X	X	X
6889866CCV	6889866CCV	1	06/24/2014	10:17	X	X	X	X	X	X	X	X
6889867CCB	6889867CCB	1	06/24/2014	10:19	X	X	X	X	X	X	X	X
1115936BLANK	1115936	1	06/24/2014	10:25	X	X	X	X	X	X	X	X
1115937LCS	1115937	1	06/24/2014	10:27	X	X	X	X	X	X	X	X
TMW-5(12-14)	5099688001	1	06/24/2014	10:29	X	X	X	X	X	X	X	X
1115940MS	1115940	1	06/24/2014	10:31	X	X	X	X	X	X	X	X
1116286PDS	1116286	1	06/24/2014	10:35	X	X	X	X	X	X	X	X
1116287SD	1116287	1	06/24/2014	10:37	X	X	X	X	X	X	X	X
TMW-5(2-4)	5099688002	1	06/24/2014	10:39	X	X	X	X	X	X	X	X
6889868CCV	6889868CCV	1	06/24/2014	10:41	X	X	X	X	X	X	X	X
6889869CCB	6889869CCB	1	06/24/2014	10:43	X	X	X	X	X	X	X	X
6889870CRDL	6889870CRDL	1	06/24/2014	10:45	X	X	X	X	X	X	X	X
TMW-4(14-16)	5099688003	1	06/24/2014	10:47	X	X	X	X	X	X	X	X
TMW-4(5-7)	5099688004	1	06/24/2014	10:49	X	X	X	X	X	X	X	X
P-5(10-12)	5099688005	1	06/24/2014	10:51	X	X	X	X	X	X	X	X
P-5(2-4)	5099688006	1	06/24/2014	10:54	X	X	X	X	X	X	X	X
TMW-6(14-16)	5099688007	1	06/24/2014	10:56	X	X	X	X	X	X	X	X
TMW-6(2-4)	5099688008	1	06/24/2014	10:58	X	X	X		X	X	X	X
1115942MS	1115942	1	06/24/2014	11:00	X	X	X		X	X	X	X
1115943MSD	1115943	1	06/24/2014	11:02	X	X	X		X	X	X	X
P-6(10-12)	5099688009	1	06/24/2014	11:04	X	X	X	X	X	X	X	X
P-6(2-4)	5099688010	1	06/24/2014	11:06	X	X	X	X	X	X	X	X
6893578CCV	6893578CCV	1	06/24/2014	11:08	X	X	X	X	X	X	X	X
6893579CCB	6893579CCB	1	06/24/2014	11:12	X	X	X	X	X	X	X	X
1115941MSD	1115941	1	06/24/2014	11:16	X	X	X	X	X	X	X	X
P-3 RE(2-4)	5099688011	1	06/24/2014	11:18	X	X	X		X	X	X	X
P-8 RE(0-2)	5099688012	1	06/24/2014	11:20	X	X	X		X	X	X	X
5099697001	5099697001	1	06/24/2014	11:22					X			
1115938MS	1115938	1	06/24/2014	11:24	X	X	X	X	X	X	X	X
1115939MSD	1115939	1	06/24/2014	11:26	X	X	X	X	X	X	X	X
6893580CCV	6893580CCV	1	06/24/2014	11:34	X	X	X	X	X	X	X	X
6893581CCB	6893581CCB	1	06/24/2014	11:36	X	X	X	X	X	X	X	X

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FORM XIII INORGANIC-2
ANALYSIS RUN LOG

Lab Name: Pace Analytical - Indiana SDG No. : 5099688 Contract: Sibley-Accucast/2339-356-03-00

Instrument ID: 50ICP3 Analysis Method: EPA 6010

Start Date: 06/24/2014 07:42 End Date: 06/24/2014 12:03

Sample Name	Lab Sample ID	D/F	Date	Time	As	Co	Cr	Fe	Pb	Sb	Se	Tl
6893582CRDL	6893582CRDL	1	06/24/2014	11:38	X	X	X	X	X	X	X	X
TMW-6(2-4)	5099688008	10	06/24/2014	11:42				X				
1115942MS	1115942	10	06/24/2014	11:44				X				
1115943MSD	1115943	10	06/24/2014	11:46				X				
P-3 RE(2-4)	5099688011	10	06/24/2014	11:48				X				
P-8 RE(0-2)	5099688012	10	06/24/2014	11:50				X				
6893583CCV	6893583CCV	1	06/24/2014	12:01	X	X	X	X	X	X	X	X
6893584CCB	6893584CCB	1	06/24/2014	12:03	X	X	X	X	X	X	X	X

Sample Name: CAL0 Acquired: 6/25/2014 8:35:52 Type: Cal
 Method: method build ASXpress(v51) Mode: IR Corr. Factor: 1.000000
 User: LLB 6010B: 50ICP2: :
 Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3130
Line	328.068 {103}	308.215 {109}	189.042 {478}	249.678 {135}	455.403 {74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3710)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	-0.0022	.0024	.0000	.0001	.0036	-0.0002
Stddev	.0000	.0000	.000	.0000	.0001	.0000
%RSD	1.343	1.583	2715.	72.67	3.145	4.868

#1	-0.0022	.0024	.0000	.0000	.0037	-0.0002
#2	-0.0022	.0024	.0000	.0001	.0035	-0.0002

Elem	Ca3158	Cd2288	Co2286	Cr2677	Cu3247	Fe2714
Line	315.887 {107}	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}
IS Ref	(Y_3600)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	-0.0030	.0002	-0.0001	.0000	.0025	.0000
Stddev	.0000	.0000	.0001	.0000	.0000	.000
%RSD	1.047	12.07	63.95	1916.	.2261	117.2

#1	-0.0030	.0002	-0.0001	.0000	.0025	-0.0001
#2	-0.0030	.0003	.0000	.0000	.0025	.0000

Elem	K_7664	Mg2790	Mn2576	Mo2020	Ni2316	Pb2203
Line	766.490 {44}	279.079 {121}	257.610 {131}	202.030 {467}	231.604 {446}	220.353 {453}
IS Ref	(Y_3710)	(Y_3600)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	-0.0026	.0001	.0005	.0001	.0013	.0001
Stddev	.0000	.0000	.0000	.0001	.0000	.0000
%RSD	1.889	1.121	1.809	74.30	1.925	.0263

#1	-0.0026	.0001	.0005	.0000	.0012	.0001
#2	-0.0025	.0001	.0005	.0001	.0013	.0001

Sample Name: CAL0 Acquired: 6/25/2014 8:35:52 Type: Cal
 Method: method build ASXpress(v51) Mode: IR Corr. Factor: 1.000000
 User: LLB 6010B: 50ICP2: :
 Comment:

Elem	Sb2068	Se1960	Si2881	Sn1899	Ti3372	Tl1908
Line	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	337.280 {100}	190.856 {477}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3600)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0001	.0001	.0011	.0001	-.0001	-.0003
Stddev	.0000	.0000	.0000	.0001	.0000	.0000
%RSD	60.40	27.58	.6191	67.46	65.15	12.34

#1	.0000	.0002	.0011	.0001	.0000	-.0003
#2	.0001	.0001	.0011	.0002	-.0001	-.0004

Elem	V_2924	Zn2062	Na5895	Sr4077	P_1774
Line	292.464 {115}	206.200 {463}	589.592 { 57}	407.771 { 83}	177.495 {490}
IS Ref	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0002	.0017	-.0007	-.0005	-.0020
Stddev	.0001	.0000	.0002	.0003	.0000
%RSD	41.36	1.673	22.20	54.87	.0076

#1	.0003	.0017	-.0006	-.0007	-.0020
#2	.0002	.0018	-.0008	-.0003	-.0020

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	11010.	126820.	21060.
Stddev	8.	34.	472.
%RSD	.06871	.02683	2.2429

#1	11005.	126840.	21394.
#2	11016.	126790.	20726.

Sample Name: CAL1 Acquired: 6/25/2014 8:38:39 Type: Cal
 Method: method build ASXpress(v51) Mode: IR Corr. Factor: 1.000000
 User: LLB 6010B: 50ICP2: :
 Comment:

Elem	Be3130	Cd2288	Mn2576	Pb2203	Se1960	Zn2062
Line	313.042 {108}	228.802 {447}	257.610 {131}	220.353 {453}	196.090 {472}	206.200 {463}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1.338	2.265	.8910	1.048	.1457	1.698
Stddev	.007	.010	.0021	.007	.0002	.011
%RSD	.5279	.4358	.2301	.6962	.1143	.6487

#1	1.333	2.259	.8925	1.043	.1455	1.690
#2	1.343	2.272	.8896	1.053	.1458	1.706

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 {94}	371.030 {91}
Units	Cts/S	Cts/S	Cts/S
Avg	9618.0	118910.	19952.
Stddev	182.5	805.	445.
%RSD	1.8970	.67704	2.2302

#1	9747.1	119480.	20267.
#2	9489.0	118340.	19638.

Sample Name: CAL2 Acquired: 6/25/2014 8:41:17 Type: Cal
 Method: method build ASXpress(v51) Mode: IR Corr. Factor: 1.000000
 User: LLB 6010B: 50ICP2: :
 Comment:

Elem	Ba4554	Co2286	Cu3247	Fe2714	V_2924	Sr4077
Line	455.403 { 74}	228.616 {447}	324.754 {104}	271.441 {124}	292.464 {115}	407.771 { 83}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1.314	.4499	.1456	.4102	.0588	2.300
Stddev	.007	.0021	.0010	.0009	.0001	.009
%RSD	.5123	.4739	.7000	.2270	.1979	.4012
#1	1.310	.4484	.1449	.4096	.0588	2.293
#2	1.319	.4514	.1463	.4109	.0589	2.306
Int. Std.	Y_2243	Y_3600	Y_3710			
Line	224.306 {450}	360.073 { 94}	371.030 { 91}			
Units	Cts/S	Cts/S	Cts/S			
Avg	11021.	127000.	20606.			
Stddev	15.	156.	29.			
%RSD	.13733	.12244	.13993			
#1	11031.	127110.	20585.			
#2	11010.	126890.	20626.			

Sample Name: CAL3 Acquired: 6/25/2014 8:44:01 Type: Cal
 Method: method build ASXpress(v51) Mode: IR Corr. Factor: 1.000000
 User: LLB 6010B: 50ICP2: :
 Comment:

Elem	As1890	Mo2020	Si2881
Line	189.042 {478}	202.030 {467}	288.158 {117}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)
Units	Cts/S	Cts/S	Cts/S
Avg	.3980	.6414	.2030
Stddev	.0003	.0004	.0002
%RSD	.0840	.0584	.0847

#1	.3982	.6411	.2031
#2	.3977	.6416	.2028

Int. Std.	Y_2243	Y_3600
Line	224.306 {450}	360.073 { 94}
Units	Cts/S	Cts/S
Avg	11001.	126780.
Stddev	23.	752.
%RSD	.21344	.59352

#1	10984.	126250.
#2	11017.	127320.

Sample Name: CAL4 Acquired: 6/25/2014 8:46:48 Type: Cal
 Method: method build ASXpress(v51) Mode: IR Corr. Factor: 1.000000
 User: LLB 6010B: 50ICP2: :
 Comment:

Elem	Al3082	Ca3158	Cr2677	K_7664	Ni2316	Na5895
Line	308.215 {109}	315.887 {107}	267.716 {126}	766.490 { 44}	231.604 {446}	589.592 { 57}
IS Ref	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.1456	2.770	.0804	.3897	.2818	.5686
Stddev	.0003	.006	.0001	.0018	.0010	.0017
%RSD	.1723	.2046	.1013	.4516	.3521	.3033
#1	.1454	2.774	.0805	.3909	.2811	.5698
#2	.1458	2.766	.0804	.3885	.2825	.5674
Int. Std.	Y_2243	Y_3600	Y_3710			
Line	224.306 {450}	360.073 { 94}	371.030 { 91}			
Units	Cts/S	Cts/S	Cts/S			
Avg	10833.	125570.	20541.			
Stddev	17.	213.	27.			
%RSD	.16146	.16981	.13033			
#1	10845.	125720.	20559.			
#2	10821.	125420.	20522.			

Sample Name: CAL5 Acquired: 6/25/2014 8:49:34 Type: Cal
 Method: method build ASXpress(v51) Mode: IR Corr. Factor: 1.000000
 User: LLB 6010B: 50ICP2: :
 Comment:

Elem	B_2496	Mg2790	Sb2068	Tl1908
Line	249.678 {135}	279.079 {121}	206.833 {463}	190.856 {477}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0507	.1912	.2272	.2237
Stddev	.0001	.0009	.0001	.0001
%RSD	.1359	.4807	.0347	.0318

#1	.0507	.1906	.2273	.2238
#2	.0508	.1919	.2272	.2237

Int. Std.	Y_2243	Y_3600
Line	224.306 {450}	360.073 { 94}
Units	Cts/S	Cts/S
Avg	10937.	126260.
Stddev	4.	116.
%RSD	.03937	.09168

#1	10940.	126180.
#2	10934.	126340.

Sample Name: ICB Acquired: 6/25/2014 9:00:26 Type: QC
 Method: method build ASXpress(v51) Mode: CONC Corr. Factor: 1.000000
 User: LLB 6010B: 50ICP2: :
 Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3130
Line	328.068 {103}	308.215 {109}	189.042 {478}	249.678 {135}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.1238	.7224	-.6307	2.098	-.0530	.0132
Stddev	.0232	3.392	.3036	.813	.1637	.0233
%RSD	18.72	469.6	48.14	38.78	308.6	177.1
#1	.1401	3.121	-.8453	1.522	.0627	-.0033
#2	.1074	-1.676	-.4160	2.673	-.1688	.0297
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca3158	Cd2288	Co2286	Cr2677	Cu3247	Fe2714
Line	315.887 {107}	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}
IS Ref	(Y_3600)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-3.649	.1057	.0909	.3159	.3497	8.219
Stddev	.499	.0290	.1554	.1985	.2847	.049
%RSD	13.67	27.39	171.0	62.83	81.40	.5905
#1	-4.002	.0852	-.0190	.1756	.1484	8.253
#2	-3.296	.1262	.2008	.4563	.5510	8.184
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: ICB Acquired: 6/25/2014 9:00:26 Type: QC
 Method: method build ASXpress(v51) Mode: CONC Corr. Factor: 1.000000
 User: LLB 6010B: 50ICP2: :
 Comment:

Elem	K_7664	Mg2790	Mn2576	Mo2020	Ni2316	Pb2203
Line	766.490 {44}	279.079 {121}	257.610 {131}	202.030 {467}	231.604 {446}	220.353 {453}
IS Ref	(Y_3710)	(Y_3600)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-22.07	-3.860	-1.976	2.064	-2.684	-1.190
Stddev	16.56	1.412	.0519	.095	.2362	1.496
%RSD	75.00	36.58	26.25	4.619	88.00	125.7
#1	-33.78	-2.862	-.1609	1.996	-.4355	-.1323
#2	-10.37	-4.859	-.2342	2.131	-.1014	-2.249
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sb2068	Se1960	Si2881	Sn1899	Ti3372	Tl1908
Line	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	337.280 {100}	190.856 {477}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4.451	.9090	3.097	-.4989	.5883	.3427
Stddev	.478	1.780	.592	.3764	.0302	.5087
%RSD	10.73	195.9	19.10	75.45	5.128	148.4
#1	4.114	2.168	3.516	-.7651	.5669	-.0169
#2	4.789	-.3500	2.679	-.2328	.6096	.7024
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: ICB Acquired: 6/25/2014 9:00:26 Type: QC
 Method: method build ASXpress(v51) Mode: CONC Corr. Factor: 1.000000
 User: LLB 6010B: 50ICP2: :
 Comment:

Elem	V_2924	Zn2062	Na5895	Sr4077	P_1774
Line	292.464 {115}	206.200 {463}	589.592 { 57}	407.771 { 83}	177.495 {490}
IS Ref	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb
Avg	-4940	-4193	10.44	.1259	-8647
Stddev	.1790	.1656	19.19	.0625	1.976
%RSD	36.23	39.50	183.8	49.60	228.6

#1	-6206	-5365	24.01	.1701	.5329
#2	-3675	-3022	-3.129	.0818	-2.262

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	10936.	125890.	20480.
Stddev	12.	371.	16.
%RSD	.11012	.29497	.07935

#1	10944.	125630.	20468.
#2	10927.	126150.	20491.

Sample Name: CRDL Acquired: 6/25/2014 9:03:12 Type: QC
 Method: method build ASXpress(v51) Mode: CONC Corr. Factor: 1.000000
 User: LLB 6010B: 50ICP2: :
 Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3130
Line	328.068 {103}	308.215 {109}	189.042 {478}	249.678 {135}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	9.659	218.2	10.23	116.3	10.41	4.415
Stddev	.271	2.8	.43	1.3	.28	.039
%RSD	2.807	1.279	4.220	1.086	2.652	.8865
#1	9.468	216.3	10.53	117.2	10.21	4.387
#2	9.851	220.2	9.921	115.4	10.60	4.442
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca3158	Cd2288	Co2286	Cr2677	Cu3247	Fe2714
Line	315.887 {107}	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}
IS Ref	(Y_3600)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1138.	2.212	10.34	10.29	12.12	112.6
Stddev	3.	.073	.08	.39	1.12	3.1
%RSD	.2663	3.283	.7532	3.809	9.214	2.797
#1	1136.	2.263	10.29	10.56	11.33	114.9
#2	1140.	2.160	10.40	10.01	12.91	110.4
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CRDL Acquired: 6/25/2014 9:03:12 Type: QC
 Method: method build ASXpress(v51) Mode: CONC Corr. Factor: 1.000000
 User: LLB 6010B: 50ICP2: :
 Comment:

Elem	K_7664	Mg2790	Mn2576	Mo2020	Ni2316	Pb2203
Line	766.490 {44}	279.079 {121}	257.610 {131}	202.030 {467}	231.604 {446}	220.353 {453}
IS Ref	(Y_3710)	(Y_3600)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1129.	1108.	10.90	10.96	10.07	9.389
Stddev	67.	7.	.06	.10	.06	.313
%RSD	5.977	.6139	.5102	.9511	.5826	3.333
#1	1176.	1103.	10.94	10.89	10.11	9.167
#2	1081.	1113.	10.86	11.04	10.03	9.610
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sb2068	Se1960	Si2881	Sn1899	Ti3372	Tl1908
Line	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	337.280 {100}	190.856 {477}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	7.880	9.716	214.4	11.25	10.97	10.39
Stddev	.539	.944	.8	.13	.00	1.10
%RSD	6.837	9.717	.3670	1.126	.0283	10.60
#1	8.261	10.38	213.8	11.34	10.97	11.17
#2	7.499	9.049	214.9	11.16	10.97	9.613
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CRDL Acquired: 6/25/2014 9:03:12 Type: QC
 Method: method build ASXpress(v51) Mode: CONC Corr. Factor: 1.000000
 User: LLB 6010B: 50ICP2: :
 Comment:

Elem	V_2924	Zn2062	Na5895	Sr4077	P_1774
Line	292.464 {115}	206.200 {463}	589.592 { 57}	407.771 { 83}	177.495 {490}
IS Ref	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb
Avg	10.78	21.21	1116.	10.00	F 1140.
Stddev	.21	.16	4.	.03	3.
%RSD	1.969	.7759	.3987	.3155	.2646
#1	10.93	21.32	1113.	9.981	1138.
#2	10.63	21.09	1120.	10.03	1142.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit					15.00
Low Limit					5.000

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	10985.	125500.	20470.
Stddev	4.	30.	54.
%RSD	.03315	.02353	.26442
#1	10987.	125480.	20432.
#2	10982.	125530.	20508.

Sample Name: ICSA Acquired: 6/25/2014 9:05:57 Type: QC
 Method: method build ASXpress(v51) Mode: CONC Corr. Factor: 1.000000
 User: LLB 6010B: 50ICP2: :
 Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3130
Line	328.068 {103}	308.215 {109}	189.042 {478}	249.678 {135}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-6.622	459600.	-6.521	-93.25	.1244	.1918
Stddev	.292	4562.	.966	.57	.2506	.0004
%RSD	4.413	.9927	14.81	.6087	201.5	.1907
#1	-6.415	456400.	-5.838	-92.85	.3016	.1915
#2	-6.828	462800.	-7.204	-93.65	-.0528	.1920
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca3158	Cd2288	Co2286	Cr2677	Cu3247	Fe2714
Line	315.887 {107}	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}
IS Ref	(Y_3600)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	440300.	-.3430	-1.435	1.553	5.829	190400.
Stddev	855.	.0582	.123	.528	.128	445.
%RSD	.1942	16.97	8.560	33.97	2.192	.2336
#1	440900.	-.3842	-1.522	1.926	5.739	190100.
#2	439700.	-.3019	-1.348	1.180	5.919	190800.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: ICSA Acquired: 6/25/2014 9:05:57 Type: QC
 Method: method build ASXpress(v51) Mode: CONC Corr. Factor: 1.000000
 User: LLB 6010B: 50ICP2: :
 Comment:

Elem	K_7664	Mg2790	Mn2576	Mo2020	Ni2316	Pb2203
Line	766.490 {44}	279.079 {121}	257.610 {131}	202.030 {467}	231.604 {446}	220.353 {453}
IS Ref	(Y_3710)	(Y_3600)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-67.80	495800.	2.816	-6045	-2.134	-5.004
Stddev	11.57	3543.	.046	.4928	.207	.039
%RSD	17.07	.7145	1.621	81.52	9.711	.7707
#1	-75.98	493300.	2.783	-9530	-2.280	-5.031
#2	-59.61	498300.	2.848	-2560	-1.987	-4.976
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sb2068	Se1960	Si2881	Sn1899	Ti3372	Tl1908
Line	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	337.280 {100}	190.856 {477}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.755	1.845	36.95	3.754	3.109	-9.856
Stddev	.812	4.063	1.04	.056	.174	3.153
%RSD	46.27	220.3	2.805	1.500	5.590	31.99
#1	-1.181	4.718	36.22	3.714	2.986	-7.626
#2	-2.330	-1.029	37.68	3.793	3.232	-12.09
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: ICSA Acquired: 6/25/2014 9:05:57 Type: QC
 Method: method build ASXpress(v51) Mode: CONC Corr. Factor: 1.000000
 User: LLB 6010B: 50ICP2: :
 Comment:

Elem	V_2924	Zn2062	Na5895	Sr4077	P_1774
Line	292.464 {115}	206.200 {463}	589.592 { 57}	407.771 { 83}	177.495 {490}
IS Ref	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb
Avg	-5.748	-3.865	74.34	18.49	18.94
Stddev	.080	.005	4.15	.21	1.92
%RSD	1.392	.1217	5.577	1.157	10.12
#1	-5.805	-3.868	77.27	18.34	20.30
#2	-5.691	-3.862	71.41	18.64	17.59

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	9982.2	116390.	19823.
Stddev	8.2	87.	3.
%RSD	.08180	.07513	.01264
#1	9976.4	116330.	19824.
#2	9988.0	116450.	19821.

Sample Name: ICSAB Acquired: 6/25/2014 9:08:59 Type: QC
 Method: method build ASXpress(v51) Mode: CONC Corr. Factor: 1.000000
 User: LLB 6010B: 50ICP2: :
 Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3130
Line	328.068 {103}	308.215 {109}	189.042 {478}	249.678 {135}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	256.2	459700.	513.4	410.7	518.6	501.5
Stddev	2.9	1283.	.9	1.6	2.3	2.4
%RSD	1.134	.2791	.1663	.3960	.4437	.4759
#1	254.1	460600.	514.0	409.5	517.0	499.8
#2	258.2	458800.	512.8	411.8	520.3	503.2
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca3158	Cd2288	Co2286	Cr2677	Cu3247	Fe2714
Line	315.887 {107}	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}
IS Ref	(Y_3600)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	437400.	510.4	474.7	490.0	540.7	189800.
Stddev	48.	.8	1.4	3.4	3.4	1615.
%RSD	.0111	.1623	.2985	.6964	.6225	.8513
#1	437400.	509.8	473.7	487.6	538.4	188600.
#2	437400.	511.0	475.7	492.4	543.1	190900.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: ICSAB Acquired: 6/25/2014 9:08:59 Type: QC
 Method: method build ASXpress(v51) Mode: CONC Corr. Factor: 1.000000
 User: LLB 6010B: 50ICP2: :
 Comment:

Elem	K_7664	Mg2790	Mn2576	Mo2020	Ni2316	Pb2203
Line	766.490 {44}	279.079 {121}	257.610 {131}	202.030 {467}	231.604 {446}	220.353 {453}
IS Ref	(Y_3710)	(Y_3600)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-113.7	492400.	501.6	491.8	464.2	448.3
Stddev	26.5	1618.	3.5	2.2	1.4	.8
%RSD	23.28	.3285	.7064	.4426	.3100	.1755
#1	-132.4	491300.	499.1	490.3	463.2	448.9
#2	-95.01	493600.	504.1	493.4	465.2	447.8
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sb2068	Se1960	Si2881	Sn1899	Ti3372	Tl1908
Line	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	337.280 {100}	190.856 {477}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	511.2	510.2	2428.	474.4	516.0	451.0
Stddev	2.5	1.1	22.	3.0	3.2	1.3
%RSD	.4928	.2167	.8924	.6429	.6176	.2887
#1	513.0	509.4	2412.	472.3	513.7	450.1
#2	509.4	511.0	2443.	476.6	518.2	452.0
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: ICSAB Acquired: 6/25/2014 9:08:59 Type: QC
 Method: method build ASXpress(v51) Mode: CONC Corr. Factor: 1.000000
 User: LLB 6010B: 50ICP2: :
 Comment:

Elem	V_2924	Zn2062	Na5895	Sr4077	P_1774
Line	292.464 {115}	206.200 {463}	589.592 { 57}	407.771 { 83}	177.495 {490}
IS Ref	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb
Avg	502.9	459.2	66.48	522.2	518.8
Stddev	3.5	1.8	5.44	2.1	.9
%RSD	.6956	.3892	8.179	.4085	.1758

#1	500.5	458.0	62.64	520.7	518.1
#2	505.4	460.5	70.33	523.7	519.4

Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	10043.	116840.	19885.
Stddev	7.	133.	43.
%RSD	.06902	.11399	.21468

#1	10047.	116930.	19915.
#2	10038.	116740.	19855.

Sample Name: ICV Acquired: 6/25/2014 9:11:50 Type: QC
 Method: method build ASXpress(v51) Mode: CONC Corr. Factor: 1.000000
 User: LLB 6010B: 50ICP2: :
 Comment:

Elem Line	Ag3280 328.068 {103}	Al3082 308.215 {109}	As1890 189.042 {478}	B_2496 249.678 {135}	Ba4554 455.403 { 74}	Be3130 313.042 {108}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	484.6	9827.	998.4	988.3	988.6	1000.
Stddev	1.4	77.	5.9	4.9	.3	.
%RSD	.2975	.7827	.5926	.4992	.0334	.0349
#1	485.6	9882.	994.2	991.8	988.3	1001.
#2	483.5	9773.	1003.	984.8	988.8	1000.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range						

Elem Line	Ca3158 315.887 {107}	Cd2288 228.802 {447}	Co2286 228.616 {447}	Cr2677 267.716 {126}	Cu3247 324.754 {104}	Fe2714 271.441 {124}
IS Ref	(Y_3600)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	9874.	967.4	988.0	991.5	988.5	10180.
Stddev	56.	6.5	4.9	5.7	3.1	66.
%RSD	.5718	.6740	.4987	.5725	.3152	.6446
#1	9914.	962.8	984.5	995.6	990.7	10230.
#2	9834.	972.0	991.5	987.5	986.3	10140.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range						

Sample Name: ICV Acquired: 6/25/2014 9:11:50 Type: QC
 Method: method build ASXpress(v51) Mode: CONC Corr. Factor: 1.000000
 User: LLB 6010B: 50ICP2: :
 Comment:

Elem	K_7664	Mg2790	Mn2576	Mo2020	Ni2316	Pb2203
Line	766.490 {44}	279.079 {121}	257.610 {131}	202.030 {467}	231.604 {446}	220.353 {453}
IS Ref	(Y_3710)	(Y_3600)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1000.	9927.	993.7	1009.	979.3	952.9
Stddev	5.	68.	5.3	4.	4.8	7.2
%RSD	.0522	.6815	.5286	.4275	.4857	.7587
#1	10010.	9974.	997.4	1006.	975.9	947.8
#2	9999.	9879.	990.0	1012.	982.7	958.0
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range						

Elem	Sb2068	Se1960	Si2881	Sn1899	Ti3372	Tl1908
Line	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	337.280 {100}	190.856 {477}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1009.	978.1	4806.	997.8	1017.	956.0
Stddev	5.	8.9	38.	3.0	5.	2.0
%RSD	.4908	.9149	.7976	.3050	.5296	.2042
#1	1005.	971.8	4833.	995.7	1021.	954.6
#2	1012.	984.4	4778.	1000.0	1013.	957.3
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range						

Sample Name: ICV Acquired: 6/25/2014 9:11:50 Type: QC
 Method: method build ASXpress(v51) Mode: CONC Corr. Factor: 1.000000
 User: LLB 6010B: 50ICP2: :
 Comment:

Elem	V_2924	Zn2062	Na5895	Sr4077	P_1774
Line	292.464 {115}	206.200 {463}	589.592 { 57}	407.771 { 83}	177.495 {490}
IS Ref	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb
Avg	1019.	971.1	9827.	973.4	981.6
Stddev	4.	5.4	1.	.6	4.8
%RSD	.3581	.5606	.0129	.0600	.4906
#1	1021.	967.2	9828.	973.0	978.2
#2	1016.	974.9	9826.	973.8	985.0
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					
Int. Std.	Y_2243	Y_3600	Y_3710		
Line	224.306 {450}	360.073 { 94}	371.030 { 91}		
Units	Cts/S	Cts/S	Cts/S		
Avg	10953.	126080.	20497.		
Stddev	11.	930.	54.		
%RSD	.10420	.73731	.26185		
#1	10961.	125420.	20459.		
#2	10945.	126730.	20535.		

Sample Name: CCV Acquired: 6/25/2014 9:38:17 Type: QC
 Method: method build ASXpress(v51) Mode: CONC Corr. Factor: 1.000000
 User: LLB 6010B: 50ICP2: :
 Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3130
Line	328.068 {103}	308.215 {109}	189.042 {478}	249.678 {135}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	487.4	9849.	998.3	1000.	993.8	1010.
Stddev	1.6	20.	3.6	1.	1.7	2.
%RSD	.3215	.2069	.3573	.1322	.1727	.1597
#1	486.3	9835.	995.8	999.5	995.0	1011.
#2	488.5	9864.	1001.	1001.	992.6	1009.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Ca3158	Cd2288	Co2286	Cr2677	Cu3247	Fe2714
Line	315.887 {107}	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}
IS Ref	(Y_3600)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	9903.	968.9	988.8	993.5	984.9	10160.
Stddev	7.	2.0	3.9	.0	1.2	1.
%RSD	.0692	.2069	.3980	.0011	.1198	.0063
#1	9898.	967.4	986.0	993.5	984.1	10160.
#2	9908.	970.3	991.6	993.5	985.8	10160.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 6/25/2014 9:38:17 Type: QC
 Method: method build ASXpress(v51) Mode: CONC Corr. Factor: 1.000000
 User: LLB 6010B: 50ICP2: :
 Comment:

Elem	K_7664	Mg2790	Mn2576	Mo2020	Ni2316	Pb2203
Line	766.490 {44}	279.079 {121}	257.610 {131}	202.030 {467}	231.604 {446}	220.353 {453}
IS Ref	(Y_3710)	(Y_3600)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	10020.	9921.	998.3	1007.	979.0	947.2
Stddev	12.	3.	2.5	4.	3.6	2.7
%RSD	.1182	.0260	.2482	.3596	.3669	.2845
#1	10030.	9922.	996.5	1005.	976.5	945.3
#2	10010.	9919.	1000.	1010.	981.6	949.1
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Sb2068	Se1960	Si2881	Sn1899	Ti3372	Tl1908
Line	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	337.280 {100}	190.856 {477}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1005.	970.8	4907.	1005.	1026.	950.6
Stddev	1.	3.4	13.	2.	2.	1.5
%RSD	.0780	.3517	.2607	.1749	.1807	.1531
#1	1005.	968.4	4898.	1003.	1025.	951.6
#2	1006.	973.2	4916.	1006.	1027.	949.5
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 6/25/2014 9:38:17 Type: QC
 Method: method build ASXpress(v51) Mode: CONC Corr. Factor: 1.000000
 User: LLB 6010B: 50ICP2: :
 Comment:

Elem	V_2924	Zn2062	Na5895	Sr4077	P_1774
Line	292.464 {115}	206.200 {463}	589.592 { 57}	407.771 { 83}	177.495 {490}
IS Ref	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb
Avg	1029.	964.0	9800.	976.4	977.6
Stddev	3.	4.2	49.	2.2	1.4
%RSD	.2958	.4405	.5035	.2287	.1413

#1	1026.	961.0	9835.	978.0	976.7
#2	1031.	967.0	9765.	974.8	978.6

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	11012.	126020.	20436.
Stddev	4.	387.	19.
%RSD	.03375	.30674	.09127

#1	11015.	125750.	20423.
#2	11009.	126300.	20449.

Sample Name: CCB Acquired: 6/25/2014 9:40:49 Type: QC
 Method: method build ASXpress(v51) Mode: CONC Corr. Factor: 1.000000
 User: LLB 6010B: 50ICP2: :
 Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3130
Line	328.068 {103}	308.215 {109}	189.042 {478}	249.678 {135}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-0.2268	2.128	-0.0971	1.752	.0867	.1708
Stddev	.2104	1.686	.4047	1.172	.2013	.0325
%RSD	92.78	79.20	417.0	66.90	232.2	19.05
#1	-0.3756	3.320	-0.3832	2.581	-0.0557	.1478
#2	-0.0780	.9365	.1891	.9233	.2291	.1938
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca3158	Cd2288	Co2286	Cr2677	Cu3247	Fe2714
Line	315.887 {107}	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}
IS Ref	(Y_3600)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.368	-0.0249	-0.0533	.5343	.4554	6.656
Stddev	.145	.0241	.2896	.0544	.4081	.202
%RSD	10.58	96.81	543.7	10.18	89.62	3.030
#1	1.266	-0.0079	-0.2580	.5728	.1668	6.513
#2	1.470	-0.0420	.1515	.4959	.7440	6.799
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 6/25/2014 9:40:49 Type: QC
 Method: method build ASXpress(v51) Mode: CONC Corr. Factor: 1.000000
 User: LLB 6010B: 50ICP2: :
 Comment:

Elem	K_7664	Mg2790	Mn2576	Mo2020	Ni2316	Pb2203
Line	766.490 {44}	279.079 {121}	257.610 {131}	202.030 {467}	231.604 {446}	220.353 {453}
IS Ref	(Y_3710)	(Y_3600)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	10.32	-3.419	.0214	1.994	.2935	-.2180
Stddev	9.79	.810	.0266	.003	.3251	1.300
%RSD	94.80	23.69	124.5	.1701	110.8	596.7
#1	3.404	-3.992	.0402	1.992	.5234	-1.138
#2	17.24	-2.846	.0026	1.996	.0636	.7016
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sb2068	Se1960	Si2881	Sn1899	Ti3372	Tl1908
Line	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	337.280 {100}	190.856 {477}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3.957	.5395	8.030	.6746	.4342	-1.010
Stddev	.316	.2656	.248	.6862	.0560	1.040
%RSD	7.995	49.24	3.086	101.7	12.90	103.0
#1	4.181	.7273	8.205	1.160	.3946	-.2744
#2	3.733	.3516	7.855	.1893	.4738	-1.746
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 6/25/2014 9:40:49 Type: QC
 Method: method build ASXpress(v51) Mode: CONC Corr. Factor: 1.000000
 User: LLB 6010B: 50ICP2: :
 Comment:

Elem	V_2924	Zn2062	Na5895	Sr4077	P_1774
Line	292.464 {115}	206.200 {463}	589.592 { 57}	407.771 { 83}	177.495 {490}
IS Ref	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb
Avg	1.019	.1412	24.75	.0843	.1935
Stddev	.174	.0473	8.53	.0240	.5610
%RSD	17.03	33.48	34.45	28.50	289.9

#1	1.142	.1078	18.72	.1013	.5902
#2	.8966	.1746	30.78	.0673	-.2032

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	10961.	126160.	20468.
Stddev	2.	144.	112.
%RSD	.01430	.11431	.54841

#1	10960.	126060.	20547.
#2	10962.	126270.	20388.

Sample Name: CCV Acquired: 6/25/2014 13:04:04 Type: QC
 Method: method build ASXpress(v51) Mode: CONC Corr. Factor: 1.000000
 User: LLB 6010B: 50ICP2: :
 Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3130
Line	328.068 {103}	308.215 {109}	189.042 {478}	249.678 {135}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	477.3	9747.	980.2	980.2	982.0	974.5
Stddev	3.9	23.	4.8	2.5	2.4	.6
%RSD	.8200	.2328	.4851	.2593	.2419	.0610
#1	474.5	9731.	976.8	978.4	983.7	974.0
#2	480.0	9763.	983.5	982.0	980.3	974.9
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Ca3158	Cd2288	Co2286	Cr2677	Cu3247	Fe2714
Line	315.887 {107}	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}
IS Ref	(Y_3600)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	9647.	955.4	971.9	968.1	966.5	9848.
Stddev	41.	1.4	2.1	3.2	5.0	18.
%RSD	.4238	.1417	.2116	.3322	.5165	.1844
#1	9618.	954.5	970.4	965.9	963.0	9835.
#2	9676.	956.4	973.3	970.4	970.0	9861.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 6/25/2014 13:04:04 Type: QC
 Method: method build ASXpress(v51) Mode: CONC Corr. Factor: 1.000000
 User: LLB 6010B: 50ICP2: :
 Comment:

Elem	K_7664	Mg2790	Mn2576	Mo2020	Ni2316	Pb2203
Line	766.490 {44}	279.079 {121}	257.610 {131}	202.030 {467}	231.604 {446}	220.353 {453}
IS Ref	(Y_3710)	(Y_3600)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	9945.	9598.	973.3	989.6	964.7	924.8
Stddev	26.	27.	4.5	2.8	3.0	1.8
%RSD	.2613	.2792	.4674	.2848	.3128	.1966
#1	9964.	9579.	970.1	987.6	962.6	923.5
#2	9927.	9617.	976.5	991.6	966.8	926.1
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Sb2068	Se1960	Si2881	Sn1899	Ti3372	Tl1908
Line	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	337.280 {100}	190.856 {477}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	989.7	958.2	4855.	990.6	999.7	932.1
Stddev	4.2	1.6	1.	3.5	4.7	2.2
%RSD	.4211	.1633	.0109	.3577	.4721	.2373
#1	986.7	957.1	4855.	988.1	996.3	930.5
#2	992.6	959.4	4854.	993.1	1003.	933.7
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 6/25/2014 13:04:04 Type: QC
 Method: method build ASXpress(v51) Mode: CONC Corr. Factor: 1.000000
 User: LLB 6010B: 50ICP2: :
 Comment:

Elem	V_2924	Zn2062	Na5895	Sr4077	P_1774
Line	292.464 {115}	206.200 {463}	589.592 { 57}	407.771 { 83}	177.495 {490}
IS Ref	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb
Avg	1002.	944.5	9400.	968.6	956.7
Stddev	3.	3.2	6.	2.1	2.1
%RSD	.2827	.3412	.0686	.2125	.2166
#1	1000.	942.2	9395.	970.0	955.2
#2	1004.	946.7	9404.	967.1	958.2
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					
Int. Std.	Y_2243	Y_3600	Y_3710		
Line	224.306 {450}	360.073 { 94}	371.030 { 91}		
Units	Cts/S	Cts/S	Cts/S		
Avg	11147.	128230.	20487.		
Stddev	6.	262.	128.		
%RSD	.05267	.20437	.62318		
#1	11143.	128410.	20396.		
#2	11151.	128040.	20577.		

Sample Name: CCB Acquired: 6/25/2014 13:06:37 Type: QC
 Method: method build ASXpress(v51) Mode: CONC Corr. Factor: 1.000000
 User: LLB 6010B: 50ICP2: :
 Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3130
Line	328.068 {103}	308.215 {109}	189.042 {478}	249.678 {135}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0283	.3148	.1430	2.050	-.0375	.1401
Stddev	.4021	2.498	.1820	.481	.0614	.1205
%RSD	1419.	793.4	127.3	23.47	163.7	85.98

#1	.2560	-1.451	.0143	2.390	.0059	.0549
#2	-.3127	2.081	.2718	1.710	-.0810	.2253

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca3158	Cd2288	Co2286	Cr2677	Cu3247	Fe2714
Line	315.887 {107}	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}
IS Ref	(Y_3600)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.676	.1299	-.1429	.6009	.2360	4.149
Stddev	.643	.1141	.1314	.0837	.3803	2.885
%RSD	38.39	87.83	91.96	13.92	161.2	69.54

#1	1.221	.2106	-.2358	.6600	-.0329	2.109
#2	2.131	.0492	-.0500	.5417	.5049	6.189

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 6/25/2014 13:06:37 Type: QC
 Method: method build ASXpress(v51) Mode: CONC Corr. Factor: 1.000000
 User: LLB 6010B: 50ICP2: :
 Comment:

Elem	K_7664	Mg2790	Mn2576	Mo2020	Ni2316	Pb2203
Line	766.490 {44}	279.079 {121}	257.610 {131}	202.030 {467}	231.604 {446}	220.353 {453}
IS Ref	(Y_3710)	(Y_3600)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	142.4	-4.857	.0288	1.910	.0386	-1.545
Stddev	16.3	4.971	.0105	.254	.0762	1.448
%RSD	11.43	102.3	36.66	13.27	197.4	93.71
#1	130.9	-1.342	.0362	2.089	.0924	-.5213
#2	153.9	-8.372	.0213	1.731	-.0153	-2.569
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sb2068	Se1960	Si2881	Sn1899	Ti3372	Tl1908
Line	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	337.280 {100}	190.856 {477}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3.962	-.0282	47.77	.5686	.5585	-.9444
Stddev	.564	1.302	1.05	.1722	.0732	.7105
%RSD	14.24	4623.	2.203	30.28	13.11	75.23
#1	3.563	-.9489	47.02	.4468	.5067	-.4421
#2	4.361	.8926	48.51	.6903	.6102	-1.447
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 6/25/2014 13:06:37 Type: QC
 Method: method build ASXpress(v51) Mode: CONC Corr. Factor: 1.000000
 User: LLB 6010B: 50ICP2: :
 Comment:

Elem	V_2924	Zn2062	Na5895	Sr4077	P_1774
Line	292.464 {115}	206.200 {463}	589.592 { 57}	407.771 { 83}	177.495 {490}
IS Ref	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb
Avg	.3218	-.1414	F 736.6	.0873	-.1373
Stddev	.7130	.0723	3.6	.0873	.5022
%RSD	221.5	51.15	.4927	100.1	365.8

#1	.8260	-.0903	734.1	.1490	-.4924
#2	-.1824	-.1926	739.2	.0255	.2178

Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit			500.0		
Low Limit			-500.0		

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	11020.	126850.	20384.
Stddev	34.	270.	79.
%RSD	.31037	.21260	.38576

#1	10996.	127040.	20440.
#2	11045.	126660.	20329.

Sample Name: ICSA Acquired: 6/25/2014 13:09:24 Type: QC
Method: method build ASXpress(v51) Mode: CONC Corr. Factor: 1.000000
User: LLB 6010B: 50ICP2: :
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3130
Line	328.068 {103}	308.215 {109}	189.042 {478}	249.678 {135}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-6.263	455500.	-3.780	-93.34	.3440	.1003
Stddev	.335	1100.	.633	3.21	.0802	.0035
%RSD	5.343	.2415	16.74	3.433	23.31	3.478
#1	-6.027	456200.	-3.333	-95.61	.2873	.1028
#2	-6.500	454700.	-4.228	-91.07	.4007	.0978
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca3158	Cd2288	Co2286	Cr2677	Cu3247	Fe2714
Line	315.887 {107}	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}
IS Ref	(Y_3600)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	430300.	-.2870	-1.373	1.542	5.371	186300.
Stddev	797.	.0272	.242	.115	.064	846.
%RSD	.1853	9.460	17.63	7.439	1.192	.4541
#1	429700.	-.3062	-1.202	1.623	5.417	185700.
#2	430900.	-.2678	-1.545	1.461	5.326	186900.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: ICSA Acquired: 6/25/2014 13:09:24 Type: QC
 Method: method build ASXpress(v51) Mode: CONC Corr. Factor: 1.000000
 User: LLB 6010B: 50ICP2: :
 Comment:

Elem	K_7664	Mg2790	Mn2576	Mo2020	Ni2316	Pb2203
Line	766.490 {44}	279.079 {121}	257.610 {131}	202.030 {467}	231.604 {446}	220.353 {453}
IS Ref	(Y_3710)	(Y_3600)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	185.1	480200.	2.800	-2939	-2.470	-3.925
Stddev	5.6	1896.	.259	.1682	.348	.725
%RSD	3.025	.3948	9.238	57.22	14.11	18.48
#1	181.2	478900.	2.617	-1.750	-2.716	-4.437
#2	189.1	481600.	2.983	-4.128	-2.223	-3.412
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sb2068	Se1960	Si2881	Sn1899	Ti3372	Tl1908
Line	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	337.280 {100}	190.856 {477}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-4611	1.858	67.67	1.438	2.979	-7.651
Stddev	.3109	1.529	3.16	.145	.103	.848
%RSD	67.43	82.27	4.672	10.10	3.474	11.08
#1	-2413	.7772	65.43	1.541	2.906	-8.251
#2	-6809	2.939	69.90	1.336	3.052	-7.052
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: ICSA Acquired: 6/25/2014 13:09:24 Type: QC
 Method: method build ASXpress(v51) Mode: CONC Corr. Factor: 1.000000
 User: LLB 6010B: 50ICP2: :
 Comment:

Elem	V_2924	Zn2062	Na5895	Sr4077	P_1774
Line	292.464 {115}	206.200 {463}	589.592 { 57}	407.771 { 83}	177.495 {490}
IS Ref	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb
Avg	-5.875	-4.747	1315.	18.31	19.53
Stddev	.645	.176	19.	.07	.03
%RSD	10.97	3.698	1.427	.3819	.1452
#1	-6.331	-4.623	1302.	18.26	19.55
#2	-5.420	-4.872	1328.	18.36	19.51
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					
Int. Std.	Y_2243	Y_3600	Y_3710		
Line	224.306 {450}	360.073 { 94}	371.030 { 91}		
Units	Cts/S	Cts/S	Cts/S		
Avg	10099.	117800.	19714.		
Stddev	10.	21.	.		
%RSD	.09668	.01824	.00197		
#1	10092.	117780.	19714.		
#2	10105.	117810.	19715.		

Sample Name: ICSAB Acquired: 6/25/2014 13:12:26 Type: QC
 Method: method build ASXpress(v51) Mode: CONC Corr. Factor: 1.000000
 User: LLB 6010B: 50ICP2: :
 Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3130
Line	328.068 {103}	308.215 {109}	189.042 {478}	249.678 {135}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	255.2	451300.	497.0	400.9	509.4	486.2
Stddev	.3	200.	2.7	4.3	2.2	2.3
%RSD	.1081	.0444	.5339	1.081	.4274	.4769
#1	255.1	451500.	498.8	404.0	507.8	484.5
#2	255.4	451200.	495.1	397.9	510.9	487.8
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca3158	Cd2288	Co2286	Cr2677	Cu3247	Fe2714
Line	315.887 {107}	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}
IS Ref	(Y_3600)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	429300.	495.7	459.4	470.7	523.4	185200.
Stddev	483.	.0	.9	1.6	1.4	532.
%RSD	.1124	.0032	.2050	.3420	.2750	.2873
#1	428900.	495.7	460.0	469.6	522.4	184800.
#2	429600.	495.7	458.7	471.8	524.4	185600.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: ICSAB Acquired: 6/25/2014 13:12:26 Type: QC
Method: method build ASXpress(v51) Mode: CONC Corr. Factor: 1.000000
User: LLB 6010B: 50ICP2: :
Comment:

Elem	K_7664	Mg2790	Mn2576	Mo2020	Ni2316	Pb2203
Line	766.490 {44}	279.079 {121}	257.610 {131}	202.030 {467}	231.604 {446}	220.353 {453}
IS Ref	(Y_3710)	(Y_3600)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	170.6	478400.	483.0	486.0	450.0	433.2
Stddev	19.1	925.	1.9	.8	.6	.5
%RSD	11.18	.1934	.3943	.1675	.1325	.1101
#1	184.1	479100.	481.7	486.6	450.5	432.9
#2	157.2	477800.	484.3	485.4	449.6	433.6
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sb2068	Se1960	Si2881	Sn1899	Ti3372	Tl1908
Line	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	337.280 {100}	190.856 {477}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	503.6	491.7	2397.	469.1	505.9	437.0
Stddev	3.4	3.2	3.	.2	1.8	.3
%RSD	.6767	.6597	.1424	.0463	.3498	.0768
#1	506.0	494.0	2394.	468.9	504.6	437.3
#2	501.1	489.4	2399.	469.2	507.1	436.8
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: ICSAB Acquired: 6/25/2014 13:12:26 Type: QC
 Method: method build ASXpress(v51) Mode: CONC Corr. Factor: 1.000000
 User: LLB 6010B: 50ICP2: :
 Comment:

Elem	V_2924	Zn2062	Na5895	Sr4077	P_1774
Line	292.464 {115}	206.200 {463}	589.592 { 57}	407.771 { 83}	177.495 {490}
IS Ref	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb
Avg	485.4	442.5	1318.	511.9	504.7
Stddev	2.2	1.5	10.	1.6	1.0
%RSD	.4551	.3498	.7518	.3173	.2021

#1	483.8	443.6	1311.	510.8	504.0
#2	487.0	441.4	1325.	513.1	505.4

Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	10086.	118060.	19711.
Stddev	17.	209.	1.
%RSD	.16390	.17732	.00742

#1	10074.	117920.	19712.
#2	10098.	118210.	19710.

Sample Name: 1116763_15889 Acquired: 6/25/2014 13:15:16 Type: Unk
 Method: method build ASXpress(v51) Mode: CONC Corr. Factor: 1.000000
 User: LLB 6010B: 50ICP2: :
 Comment:

Elem Line	Ag3280 328.068 {103}	Al3082 308.215 {109}	As1890 189.042 {478}	B_2496 249.678 {135}	Ba4554 455.403 { 74}	Be3130 313.042 {108}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	483.0	9920.	999.1	988.1	998.6	999.1
Stddev	.9	54.	2.2	.8	6.8	3.0
%RSD	.1766	.5404	.2208	.0817	.6818	.2978
#1	482.4	9882.	997.5	987.6	993.7	997.0
#2	483.6	9958.	1001.	988.7	1003.	1001.
Check ?	None	None	None	None	None	None
Value Range						

Elem Line	Ca3158 315.887 {107}	Cd2288 228.802 {447}	Co2286 228.616 {447}	Cr2677 267.716 {126}	Cu3247 324.754 {104}	Fe2714 271.441 {124}
IS Ref	(Y_3600)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	9818.	973.2	990.4	982.4	992.7	10060.
Stddev	13.	2.8	5.0	2.7	1.2	17.
%RSD	.1287	.2904	.5012	.2792	.1160	.1736
#1	9827.	971.2	986.8	984.3	993.6	10070.
#2	9809.	975.2	993.9	980.4	991.9	10050.
Check ?	None	None	None	None	None	None
Value Range						

Sample Name: 1116763_15889 Acquired: 6/25/2014 13:15:16 Type: Unk
 Method: method build ASXpress(v51) Mode: CONC Corr. Factor: 1.000000
 User: LLB 6010B: 50ICP2: :
 Comment:

Elem	K_7664	Mg2790	Mn2576	Mo2020	Ni2316	Pb2203
Line	766.490 {44}	279.079 {121}	257.610 {131}	202.030 {467}	231.604 {446}	220.353 {453}
IS Ref	(Y_3710)	(Y_3600)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	10100.	9798.	988.9	1011.	982.6	947.8
Stddev	80.	5.	1.1	4.	3.0	.8
%RSD	.7888	.0474	.1119	.4231	.3011	.0807
#1	10040.	9795.	989.7	1008.	980.5	947.2
#2	10150.	9802.	988.1	1014.	984.6	948.3
Check ?	None	None	None	None	None	None
Value						
Range						

Elem	Sb2068	Se1960	Si2881	Sn1899	Ti3372	Tl1908
Line	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	337.280 {100}	190.856 {477}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1013.	980.9	4797.	996.1	1015.	949.6
Stddev	3.	1.3	16.	2.2	2.	4.3
%RSD	.2580	.1368	.3331	.2203	.1635	.4529
#1	1011.	981.9	4786.	994.6	1016.	946.5
#2	1015.	980.0	4808.	997.7	1014.	952.6
Check ?	None	None	None	None	None	None
Value						
Range						

Sample Name: 1116763_15889 Acquired: 6/25/2014 13:15:16 Type: Unk
 Method: method build ASXpress(v51) Mode: CONC Corr. Factor: 1.000000
 User: LLB 6010B: 50ICP2: :
 Comment:

Elem	V_2924	Zn2062	Na5895	Sr4077	P_1774
Line	292.464 {115}	206.200 {463}	589.592 { 57}	407.771 { 83}	177.495 {490}
IS Ref	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb
Avg	1021.	961.3	9641.	980.9	981.7
Stddev	1.	3.4	67.	6.3	6.8
%RSD	.1329	.3521	.6930	.6385	.6897
#1	1022.	958.9	9594.	976.4	976.9
#2	1021.	963.7	9689.	985.3	986.5
Check ?	None	None	None	None	None
Value Range					
Int. Std.	Y_2243	Y_3600	Y_3710		
Line	224.306 {450}	360.073 { 94}	371.030 { 91}		
Units	Cts/S	Cts/S	Cts/S		
Avg	10992.	126940.	20546.		
Stddev	8.	396.	80.		
%RSD	.07443	.31164	.39085		
#1	10987.	126660.	20489.		
#2	10998.	127220.	20603.		

Sample Name: CCV Acquired: 6/25/2014 13:37:28 Type: QC
 Method: method build ASXpress(v51) Mode: CONC Corr. Factor: 1.000000
 User: LLB 6010B: 50ICP2: :
 Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3130
Line	328.068 {103}	308.215 {109}	189.042 {478}	249.678 {135}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	478.7	9725.	985.4	984.2	980.0	974.7
Stddev	1.3	48.	1.0	4.2	1.5	1.6
%RSD	.2625	.4939	.1032	.4226	.1561	.1689
#1	477.8	9691.	984.6	981.3	979.0	973.5
#2	479.6	9758.	986.1	987.2	981.1	975.9
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Ca3158	Cd2288	Co2286	Cr2677	Cu3247	Fe2714
Line	315.887 {107}	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}
IS Ref	(Y_3600)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	9694.	956.2	973.1	974.2	973.6	9939.
Stddev	44.	3.7	2.8	2.6	3.2	35.
%RSD	.4554	.3864	.2868	.2713	.3312	.3511
#1	9662.	953.5	971.1	972.3	971.4	9914.
#2	9725.	958.8	975.0	976.1	975.9	9964.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 6/25/2014 13:37:28 Type: QC
Method: method build ASXpress(v51) Mode: CONC Corr. Factor: 1.000000
User: LLB 6010B: 50ICP2: :
Comment:

Elem	K_7664	Mg2790	Mn2576	Mo2020	Ni2316	Pb2203
Line	766.490 {44}	279.079 {121}	257.610 {131}	202.030 {467}	231.604 {446}	220.353 {453}
IS Ref	(Y_3710)	(Y_3600)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	9921.	9642.	977.5	993.3	965.2	926.7
Stddev	10.	73.	3.7	1.1	2.3	.9
%RSD	.0967	.7588	.3780	.1069	.2414	.1007

#1	9928.	9590.	974.9	992.5	963.6	927.4
#2	9914.	9694.	980.1	994.0	966.9	926.0

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Sb2068	Se1960	Si2881	Sn1899	Ti3372	Tl1908
Line	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	337.280 {100}	190.856 {477}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	992.8	960.7	4877.	989.5	1007.	934.4
Stddev	1.9	5.4	22.	4.8	3.	.2
%RSD	.1954	.5656	.4593	.4838	.3212	.0255

#1	991.4	956.9	4861.	986.1	1005.	934.2
#2	994.2	964.6	4893.	992.8	1009.	934.6

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 6/25/2014 13:37:28 Type: QC
 Method: method build ASXpress(v51) Mode: CONC Corr. Factor: 1.000000
 User: LLB 6010B: 50ICP2: :
 Comment:

Elem	V_2924	Zn2062	Na5895	Sr4077	P_1774
Line	292.464 {115}	206.200 {463}	589.592 { 57}	407.771 { 83}	177.495 {490}
IS Ref	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb
Avg	1011.	942.8	9125.	965.0	963.8
Stddev	3.	.5	74.	.1	5.0
%RSD	.3062	.0488	.8072	.0058	.5228
#1	1009.	943.1	9073.	965.0	960.2
#2	1013.	942.5	9177.	965.1	967.4
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					
Int. Std.	Y_2243	Y_3600	Y_3710		
Line	224.306 {450}	360.073 { 94}	371.030 { 91}		
Units	Cts/S	Cts/S	Cts/S		
Avg	11088.	128020.	20552.		
Stddev	17.	619.	113.		
%RSD	.15018	.48317	.54822		
#1	11077.	128460.	20631.		
#2	11100.	127580.	20472.		

Sample Name: CCB Acquired: 6/25/2014 13:40:00 Type: QC
 Method: method build ASXpress(v51) Mode: CONC Corr. Factor: 1.000000
 User: LLB 6010B: 50ICP2: :
 Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3130
Line	328.068 {103}	308.215 {109}	189.042 {478}	249.678 {135}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.5236	-6.354	-1.496	1.869	-.0524	.2399
Stddev	1.025	1.343	.143	1.144	.0798	.0411
%RSD	195.8	21.15	9.577	61.19	152.2	17.15
#1	-.2014	-7.304	-1.597	2.678	.0040	.2690
#2	1.249	-5.404	-1.394	1.060	-.1088	.2109
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca3158	Cd2288	Co2286	Cr2677	Cu3247	Fe2714
Line	315.887 {107}	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}
IS Ref	(Y_3600)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3.588	.0191	.1091	.3170	.8164	2.905
Stddev	.798	.0121	.0430	.0895	.0487	3.445
%RSD	22.26	63.12	39.43	28.22	5.960	118.6
#1	4.153	.0276	.1396	.3803	.8509	5.341
#2	3.023	.0106	.0787	.2538	.7820	.4696
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 6/25/2014 13:40:00 Type: QC
Method: method build ASXpress(v51) Mode: CONC Corr. Factor: 1.000000
User: LLB 6010B: 50ICP2: :
Comment:

Elem	K_7664	Mg2790	Mn2576	Mo2020	Ni2316	Pb2203
Line	766.490 {44}	279.079 {121}	257.610 {131}	202.030 {467}	231.604 {446}	220.353 {453}
IS Ref	(Y_3710)	(Y_3600)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	86.10	-2.131	-0.276	1.465	-2.2825	-8.348
Stddev	1.90	2.675	.0113	.032	.0156	.4384
%RSD	2.200	125.5	40.78	2.168	5.520	52.52

#1	84.76	-4.022	-0.0356	1.488	-.2935	-1.145
#2	87.44	-.2392	-.0197	1.443	-.2715	-.5247

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sb2068	Se1960	Si2881	Sn1899	Ti3372	Tl1908
Line	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	337.280 {100}	190.856 {477}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3.499	-.4415	50.25	.9193	.4295	-.3836
Stddev	.277	.1498	1.27	.2430	.1116	.9627
%RSD	7.920	33.92	2.522	26.43	25.99	250.9

#1	3.303	-.5475	49.36	1.091	.5084	-1.064
#2	3.695	-.3356	51.15	.7475	.3506	.2971

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 6/25/2014 13:40:00 Type: QC
 Method: method build ASXpress(v51) Mode: CONC Corr. Factor: 1.000000
 User: LLB 6010B: 50ICP2: :
 Comment:

Elem	V_2924	Zn2062	Na5895	Sr4077	P_1774
Line	292.464 {115}	206.200 {463}	589.592 { 57}	407.771 { 83}	177.495 {490}
IS Ref	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb
Avg	-0.8338	-0.1577	476.7	.0481	2.009
Stddev	.2507	.0781	4.8	.0210	.207
%RSD	30.06	49.52	1.006	43.65	10.30

#1	-1.011	-.1025	480.1	.0629	2.155
#2	-.6566	-.2129	473.3	.0332	1.862

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	11100.	127690.	20500.
Stddev	41.	15.	14.
%RSD	.36722	.01162	.06775

#1	11071.	127700.	20490.
#2	11128.	127680.	20510.

Sample Name: CRDL Acquired: 6/25/2014 13:42:47 Type: QC
 Method: method build ASXpress(v51) Mode: CONC Corr. Factor: 1.000000
 User: LLB 6010B: 50ICP2: :
 Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3130
Line	328.068 {103}	308.215 {109}	189.042 {478}	249.678 {135}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	9.917	212.7	8.419	113.4	10.14	4.315
Stddev	.276	2.0	1.610	.0	.01	.018
%RSD	2.782	.9336	19.13	.0181	.1273	.4104
#1	10.11	214.1	7.280	113.4	10.13	4.302
#2	9.721	211.3	9.558	113.4	10.15	4.328
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca3158	Cd2288	Co2286	Cr2677	Cu3247	Fe2714
Line	315.887 {107}	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}
IS Ref	(Y_3600)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1115.	2.139	10.01	10.15	11.71	115.8
Stddev	1.	.047	.10	.25	.19	.8
%RSD	.0804	2.200	1.043	2.488	1.628	.6514
#1	1116.	2.172	9.933	10.33	11.85	115.2
#2	1115.	2.106	10.08	9.969	11.58	116.3
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CRDL Acquired: 6/25/2014 13:42:47 Type: QC
 Method: method build ASXpress(v51) Mode: CONC Corr. Factor: 1.000000
 User: LLB 6010B: 50ICP2: :
 Comment:

Elem	K_7664	Mg2790	Mn2576	Mo2020	Ni2316	Pb2203
Line	766.490 {44}	279.079 {121}	257.610 {131}	202.030 {467}	231.604 {446}	220.353 {453}
IS Ref	(Y_3710)	(Y_3600)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1181.	1068.	10.59	10.60	9.938	8.331
Stddev	12.	.	.11	.05	.091	.690
%RSD	.9834	.0165	1.058	.5105	.9129	8.287
#1	1173.	1068.	10.67	10.56	9.874	8.819
#2	1190.	1068.	10.51	10.64	10.00	7.843
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sb2068	Se1960	Si2881	Sn1899	Ti3372	Tl1908
Line	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	337.280 {100}	190.856 {477}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	6.742	10.62	245.6	10.91	10.40	10.17
Stddev	.034	.26	1.9	.84	.21	1.44
%RSD	.5073	2.421	.7778	7.707	2.051	14.14
#1	6.717	10.80	246.9	11.50	10.55	9.154
#2	6.766	10.43	244.2	10.32	10.25	11.19
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CRDL Acquired: 6/25/2014 13:42:47 Type: QC
 Method: method build ASXpress(v51) Mode: CONC Corr. Factor: 1.000000
 User: LLB 6010B: 50ICP2: :
 Comment:

Elem	V_2924	Zn2062	Na5895	Sr4077	P_1774
Line	292.464 {115}	206.200 {463}	589.592 { 57}	407.771 { 83}	177.495 {490}
IS Ref	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb
Avg	10.80	20.84	1460.	10.04	F 1131.
Stddev	.05	.14	9.	.07	6.
%RSD	.4903	.6822	.5853	.6884	.5192
#1	10.84	20.94	1466.	9.995	1127.
#2	10.76	20.73	1454.	10.09	1135.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit					15.00
Low Limit					5.000

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	11048.	126930.	20486.
Stddev	14.	311.	1.
%RSD	.12516	.24476	.00626
#1	11038.	126710.	20487.
#2	11057.	127150.	20486.

Sample Name: 1117117_15889 Acquired: 6/25/2014 13:51:16 Type: Unk
 Method: method build ASXpress(v51) Mode: CONC Corr. Factor: 1.000000
 User: LLB 6010B: 50ICP2: :
 Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3130
Line	328.068 {103}	308.215 {109}	189.042 {478}	249.678 {135}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	468.5	16950.	991.1	981.7	1123.	959.5
Stddev	1.0	54.	5.6	3.4	7.	4.5
%RSD	.2180	.3158	.5641	.3458	.6184	.4723
#1	467.8	16910.	987.1	979.3	1118.	956.3
#2	469.3	16990.	995.0	984.1	1128.	962.7
Check ?	None	None	None	None	None	None
Value						
Range						

Elem	Ca3158	Cd2288	Co2286	Cr2677	Cu3247	Fe2714
Line	315.887 {107}	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}
IS Ref	(Y_3600)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	171100.	961.8	954.4	944.7	981.5	22320.
Stddev	606.	4.4	4.9	4.9	2.5	56.
%RSD	.3542	.4606	.5140	.5219	.2528	.2515
#1	170700.	958.6	950.9	941.3	979.7	22280.
#2	171600.	964.9	957.9	948.2	983.2	22360.
Check ?	None	None	None	None	None	None
Value						
Range						

Sample Name: 1117117_15889 Acquired: 6/25/2014 13:51:16 Type: Unk
 Method: method build ASXpress(v51) Mode: CONC Corr. Factor: 1.000000
 User: LLB 6010B: 50ICP2: :
 Comment:

Elem	K_7664	Mg2790	Mn2576	Mo2020	Ni2316	Pb2203
Line	766.490 {44}	279.079 {121}	257.610 {131}	202.030 {467}	231.604 {446}	220.353 {453}
IS Ref	(Y_3710)	(Y_3600)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	11960.	65630.	3898.	988.8	964.9	899.5
Stddev	54.	272.	6.	3.7	3.1	4.2
%RSD	.4478	.4148	.1631	.3725	.3250	.4614
#1	11920.	65440.	3893.	986.2	962.7	896.6
#2	11990.	65820.	3902.	991.4	967.1	902.4
Check ?	None	None	None	None	None	None
Value						
Range						

Elem	Sb2068	Se1960	Si2881	Sn1899	Ti3372	Tl1908
Line	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	337.280 {100}	190.856 {477}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	999.4	960.1	19810.	952.4	1102.	895.0
Stddev	8.4	3.6	3.	3.1	5.	3.2
%RSD	.8435	.3734	.0141	.3213	.4626	.3606
#1	993.4	957.5	19810.	950.3	1098.	892.7
#2	1005.	962.6	19810.	954.6	1105.	897.3
Check ?	None	None	None	None	None	None
Value						
Range						

Sample Name: 1117117_15889 Acquired: 6/25/2014 13:51:16 Type: Unk
 Method: method build ASXpress(v51) Mode: CONC Corr. Factor: 1.000000
 User: LLB 6010B: 50ICP2: :
 Comment:

Elem	V_2924	Zn2062	Na5895	Sr4077	P_1774
Line	292.464 {115}	206.200 {463}	589.592 { 57}	407.771 { 83}	177.495 {490}
IS Ref	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb
Avg	1016.	941.3	15270.	12640.	1320.
Stddev	4.	4.5	53.	48.	8.
%RSD	.3536	.4740	.3501	.3805	.6089
#1	1013.	938.2	15230.	12600.	1314.
#2	1018.	944.5	15310.	12670.	1326.
Check ?	None	None	None	None	None
Value Range					
Int. Std.	Y_2243	Y_3600	Y_3710		
Line	224.306 {450}	360.073 { 94}	371.030 { 91}		
Units	Cts/S	Cts/S	Cts/S		
Avg	10682.	125160.	20304.		
Stddev	19.	54.	117.		
%RSD	.17472	.04328	.57401		
#1	10696.	125200.	20386.		
#2	10669.	125120.	20222.		

Sample Name: 1117118_15889 Acquired: 6/25/2014 13:53:58 Type: Unk
 Method: method build ASXpress(v51) Mode: CONC Corr. Factor: 1.000000
 User: LLB 6010B: 50ICP2: :
 Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3130
Line	328.068 {103}	308.215 {109}	189.042 {478}	249.678 {135}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.5234	1465.	.8150	5.207	29.91	.2430
Stddev	.2907	4.	1.443	.959	.04	.1454
%RSD	55.54	.2793	177.1	18.42	.1320	59.81
#1	.3178	1468.	1.835	4.529	29.88	.3458
#2	.7290	1463.	-.2055	5.885	29.94	.1402
Check ?	None	None	None	None	None	None
Value						
Range						

Elem	Ca3158	Cd2288	Co2286	Cr2677	Cu3247	Fe2714
Line	315.887 {107}	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}
IS Ref	(Y_3600)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	34980.	1.590	2.728	1.730	2.527	2696.
Stddev	200.	.046	.071	.382	.054	36.
%RSD	.5724	2.882	2.603	22.05	2.148	1.324
#1	35120.	1.622	2.779	1.461	2.489	2721.
#2	34840.	1.557	2.678	2.000	2.566	2671.
Check ?	None	None	None	None	None	None
Value						
Range						

Sample Name: 1117118_15889 Acquired: 6/25/2014 13:53:58 Type: Unk
 Method: method build ASXpress(v51) Mode: CONC Corr. Factor: 1.000000
 User: LLB 6010B: 50ICP2: :
 Comment:

Elem	K_7664	Mg2790	Mn2576	Mo2020	Ni2316	Pb2203
Line	766.490 {44}	279.079 {121}	257.610 {131}	202.030 {467}	231.604 {446}	220.353 {453}
IS Ref	(Y_3710)	(Y_3600)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	495.0	11460.	618.1	3.291	7.006	-5068
Stddev	24.7	61.	2.2	.214	.005	.8414
%RSD	4.993	.5304	.3603	6.507	.0729	166.0
#1	477.5	11510.	619.6	3.443	7.009	.0882
#2	512.5	11420.	616.5	3.140	7.002	-1.102
Check ?	None	None	None	None	None	None
Value Range						

Elem	Sb2068	Se1960	Si2881	Sn1899	Ti3372	Tl1908
Line	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	337.280 {100}	190.856 {477}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.8069	-.5471	3090.	.4525	23.39	.1464
Stddev	.5894	1.820	17.	.2476	.53	.8954
%RSD	73.05	332.7	.5572	54.71	2.247	611.7
#1	1.224	-1.834	3102.	.6276	23.02	-4.868
#2	.3901	.7398	3078.	.2775	23.76	.7795
Check ?	None	None	None	None	None	None
Value Range						

Sample Name: 1117118_15889 Acquired: 6/25/2014 13:53:58 Type: Unk
 Method: method build ASXpress(v51) Mode: CONC Corr. Factor: 1.000000
 User: LLB 6010B: 50ICP2: :
 Comment:

Elem	V_2924	Zn2062	Na5895	Sr4077	P_1774
Line	292.464 {115}	206.200 {463}	589.592 { 57}	407.771 { 83}	177.495 {490}
IS Ref	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb
Avg	7.591	9.216	1639.	2502.	77.04
Stddev	.373	.186	2.	17.	.11
%RSD	4.914	2.020	.0958	.6712	.1491

#1	7.327	9.347	1638.	2490.	76.96
#2	7.854	9.084	1640.	2514.	77.12

Check ?	None	None	None	None	None
Value					
Range					

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	11058.	128360.	20505.
Stddev	15.	325.	39.
%RSD	.13308	.25308	.19238

#1	11068.	128130.	20533.
#2	11047.	128590.	20477.

Sample Name: 1116764_15889 Acquired: 6/25/2014 13:56:40 Type: Unk
 Method: method build ASXpress(v51) Mode: CONC Corr. Factor: 1.000000
 User: LLB 6010B: 50ICP2: :
 Comment:

Elem Line	Ag3280 328.068 {103}	Al3082 308.215 {109}	As1890 189.042 {478}	B_2496 249.678 {135}	Ba4554 455.403 { 74}	Be3130 313.042 {108}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	503.4	22300.	1041.	1030.	1183.	1014.
Stddev	2.0	78.	1.	.	7.	4.
%RSD	.3880	.3485	.1287	.0087	.5507	.3547
#1	504.8	22350.	1040.	1030.	1179.	1011.
#2	502.0	22240.	1042.	1030.	1188.	1016.
Check ? Value Range	None	None	None	None	None	None

Elem Line	Ca3158 315.887 {107}	Cd2288 228.802 {447}	Co2286 228.616 {447}	Cr2677 267.716 {126}	Cu3247 324.754 {104}	Fe2714 271.441 {124}
IS Ref	(Y_3600)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	176100.	1011.	1006.	1004.	1042.	25320.
Stddev	597.	.	2.	4.	.	34.
%RSD	.3388	.0474	.1795	.4447	.0345	.1341
#1	175700.	1011.	1005.	1007.	1042.	25350.
#2	176500.	1011.	1007.	1001.	1041.	25300.
Check ? Value Range	None	None	None	None	None	None

Sample Name: 1116764_15889 Acquired: 6/25/2014 13:56:40 Type: Unk
 Method: method build ASXpress(v51) Mode: CONC Corr. Factor: 1.000000
 User: LLB 6010B: 50ICP2: :
 Comment:

Elem	K_7664	Mg2790	Mn2576	Mo2020	Ni2316	Pb2203
Line	766.490 {44}	279.079 {121}	257.610 {131}	202.030 {467}	231.604 {446}	220.353 {453}
IS Ref	(Y_3710)	(Y_3600)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	13040.	68040.	4842.	1046.	1018.	948.6
Stddev	5.	205.	9.	2.	1.	.5
%RSD	.0390	.3017	.1907	.2189	.1078	.0492
#1	13040.	68190.	4849.	1044.	1017.	948.3
#2	13050.	67900.	4836.	1047.	1019.	948.9
Check ?	None	None	None	None	None	None
Value						
Range						

Elem	Sb2068	Se1960	Si2881	Sn1899	Ti3372	Tl1908
Line	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	337.280 {100}	190.856 {477}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1039.	1012.	28080.	993.9	1215.	946.1
Stddev	1.	2.	107.	2.5	5.	1.5
%RSD	.1062	.1491	.3824	.2525	.3983	.1607
#1	1039.	1013.	28160.	992.1	1218.	947.2
#2	1040.	1011.	28000.	995.6	1211.	945.1
Check ?	None	None	None	None	None	None
Value						
Range						

Sample Name: 1116764_15889 Acquired: 6/25/2014 13:56:40 Type: Unk
 Method: method build ASXpress(v51) Mode: CONC Corr. Factor: 1.000000
 User: LLB 6010B: 50ICP2: :
 Comment:

Elem	V_2924	Zn2062	Na5895	Sr4077	P_1774
Line	292.464 {115}	206.200 {463}	589.592 { 57}	407.771 { 83}	177.495 {490}
IS Ref	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb
Avg	1074.	999.3	15770.	13020.	1414.
Stddev	.	2.9	67.	141.	1.
%RSD	.0036	.2919	.4253	1.079	.0398
#1	1074.	997.2	15720.	12930.	1415.
#2	1074.	1001.	15810.	13120.	1414.
Check ?	None	None	None	None	None
Value Range					
Int. Std.	Y_2243	Y_3600	Y_3710		
Line	224.306 {450}	360.073 { 94}	371.030 { 91}		
Units	Cts/S	Cts/S	Cts/S		
Avg	10644.	124060.	20349.		
Stddev	9.	444.	81.		
%RSD	.08825	.35799	.39780		
#1	10637.	123750.	20406.		
#2	10651.	124370.	20291.		

Sample Name: 1116765_15889 Acquired: 6/25/2014 13:59:23 Type: Unk
 Method: method build ASXpress(v51) Mode: CONC Corr. Factor: 1.000000
 User: LLB 6010B: 50ICP2: :
 Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3130
Line	328.068 {103}	308.215 {109}	189.042 {478}	249.678 {135}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	501.4	22860.	1046.	1026.	1186.	1014.
Stddev	.3	76.	6.	4.	4.	1.
%RSD	.0533	.3340	.5954	.3485	.2971	.0720
#1	501.2	22810.	1042.	1024.	1183.	1014.
#2	501.5	22920.	1051.	1029.	1188.	1015.
Check ?	None	None	None	None	None	None
Value						
Range						

Elem	Ca3158	Cd2288	Co2286	Cr2677	Cu3247	Fe2714
Line	315.887 {107}	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}
IS Ref	(Y_3600)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	179300.	1013.	1004.	998.7	1035.	25800.
Stddev	1347.	3.	3.	3.2	5.	112.
%RSD	.7508	.3114	.3461	.3160	.4883	.4352
#1	178400.	1011.	1002.	996.5	1031.	25730.
#2	180300.	1015.	1007.	1001.	1039.	25880.
Check ?	None	None	None	None	None	None
Value						
Range						

Sample Name: 1116765_15889 Acquired: 6/25/2014 13:59:23 Type: Unk
 Method: method build ASXpress(v51) Mode: CONC Corr. Factor: 1.000000
 User: LLB 6010B: 50ICP2: :
 Comment:

Elem	K_7664	Mg2790	Mn2576	Mo2020	Ni2316	Pb2203
Line	766.490 {44}	279.079 {121}	257.610 {131}	202.030 {467}	231.604 {446}	220.353 {453}
IS Ref	(Y_3710)	(Y_3600)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	13130.	69030.	4499.	1043.	1017.	944.3
Stddev	40.	289.	22.	4.	1.	1.7
%RSD	.3009	.4182	.4826	.4216	.1393	.1764
#1	13160.	68820.	4483.	1040.	1016.	943.1
#2	13100.	69230.	4514.	1046.	1018.	945.4
Check ?	None	None	None	None	None	None
Value						
Range						

Elem	Sb2068	Se1960	Si2881	Sn1899	Ti3372	Tl1908
Line	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	337.280 {100}	190.856 {477}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1038.	1004.	29260.	998.2	1227.	943.2
Stddev	5.	3.	155.	2.6	10.	4.7
%RSD	.4583	.2507	.5291	.2597	.7809	.5027
#1	1034.	1003.	29150.	996.3	1220.	939.8
#2	1041.	1006.	29360.	1000.0	1234.	946.6
Check ?	None	None	None	None	None	None
Value						
Range						

Sample Name: 1116765_15889 Acquired: 6/25/2014 13:59:23 Type: Unk
 Method: method build ASXpress(v51) Mode: CONC Corr. Factor: 1.000000
 User: LLB 6010B: 50ICP2: :
 Comment:

Elem	V_2924	Zn2062	Na5895	Sr4077	P_1774
Line	292.464 {115}	206.200 {463}	589.592 { 57}	407.771 { 83}	177.495 {490}
IS Ref	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb
Avg	1077.	998.6	15850.	13400.	1426.
Stddev	3.	3.0	32.	66.	4.
%RSD	.2601	.2978	.2026	.4930	.3068
#1	1075.	996.5	15830.	13450.	1423.
#2	1079.	1001.	15870.	13360.	1429.
Check ?	None	None	None	None	None
Value Range					
Int. Std.	Y_2243	Y_3600	Y_3710		
Line	224.306 {450}	360.073 { 94}	371.030 { 91}		
Units	Cts/S	Cts/S	Cts/S		
Avg	10662.	124750.	20466.		
Stddev	21.	393.	110.		
%RSD	.20109	.31497	.53632		
#1	10677.	125030.	20389.		
#2	10646.	124480.	20544.		

Sample Name: CCV Acquired: 6/25/2014 14:13:28 Type: QC
 Method: method build ASXpress(v51) Mode: CONC Corr. Factor: 1.000000
 User: LLB 6010B: 50ICP2: :
 Comment:

Elem Line	Ag3280 328.068 {103}	Al3082 308.215 {109}	As1890 189.042 {478}	B_2496 249.678 {135}	Ba4554 455.403 { 74}	Be3130 313.042 {108}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	476.5	9662.	978.6	975.5	978.8	969.5
Stddev	1.3	14.	1.3	2.3	.6	2.2
%RSD	.2709	.1484	.1297	.2377	.0566	.2269
#1	477.4	9672.	977.7	977.1	979.2	968.0
#2	475.6	9651.	979.5	973.8	978.4	971.1
Check ? Value Range	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass

Elem Line	Ca3158 315.887 {107}	Cd2288 228.802 {447}	Co2286 228.616 {447}	Cr2677 267.716 {126}	Cu3247 324.754 {104}	Fe2714 271.441 {124}
IS Ref	(Y_3600)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	9639.	952.3	970.7	968.0	964.9	9856.
Stddev	12.	3.0	3.7	1.8	3.0	17.
%RSD	.1275	.3114	.3835	.1810	.3074	.1700
#1	9648.	950.2	968.0	966.7	967.0	9867.
#2	9630.	954.4	973.3	969.2	962.8	9844.
Check ? Value Range	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass

Sample Name: CCV Acquired: 6/25/2014 14:13:28 Type: QC
 Method: method build ASXpress(v51) Mode: CONC Corr. Factor: 1.000000
 User: LLB 6010B: 50ICP2: :
 Comment:

Elem	K_7664	Mg2790	Mn2576	Mo2020	Ni2316	Pb2203
Line	766.490 {44}	279.079 {121}	257.610 {131}	202.030 {467}	231.604 {446}	220.353 {453}
IS Ref	(Y_3710)	(Y_3600)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	9907.	9595.	970.3	991.0	961.7	928.3
Stddev	41.	16.	.6	4.1	3.5	2.0
%RSD	.4107	.1661	.0595	.4099	.3638	.2178

#1	9936.	9584.	969.9	988.2	959.2	926.8
#2	9878.	9606.	970.7	993.9	964.2	929.7

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Sb2068	Se1960	Si2881	Sn1899	Ti3372	Tl1908
Line	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	337.280 {100}	190.856 {477}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	987.3	949.5	4865.	986.4	998.7	934.5
Stddev	3.7	6.1	6.	3.0	.7	1.4
%RSD	.3722	.6416	.1297	.3067	.0734	.1454

#1	984.7	945.2	4861.	984.3	998.1	933.6
#2	989.9	953.8	4869.	988.5	999.2	935.5

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 6/25/2014 14:13:28 Type: QC
 Method: method build ASXpress(v51) Mode: CONC Corr. Factor: 1.000000
 User: LLB 6010B: 50ICP2: :
 Comment:

Elem	V_2924	Zn2062	Na5895	Sr4077	P_1774
Line	292.464 {115}	206.200 {463}	589.592 { 57}	407.771 { 83}	177.495 {490}
IS Ref	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb
Avg	999.7	942.9	9265.	963.1	953.4
Stddev	2.9	2.7	4.	2.0	.3
%RSD	.2889	.2909	.0475	.2056	.0303

#1	1002.	941.0	9262.	964.5	953.2
#2	997.7	944.9	9268.	961.7	953.6

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	11103.	128280.	20446.
Stddev	1.	105.	25.
%RSD	.01153	.08155	.12003

#1	11103.	128360.	20428.
#2	11102.	128210.	20463.

Sample Name: CCB Acquired: 6/25/2014 14:16:01 Type: QC
 Method: method build ASXpress(v51) Mode: CONC Corr. Factor: 1.000000
 User: LLB 6010B: 50ICP2: :
 Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3130
Line	328.068 {103}	308.215 {109}	189.042 {478}	249.678 {135}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.6913	-2.498	-1.195	2.254	1.932	.2090
Stddev	.2090	2.505	2.342	.468	.250	.1584
%RSD	30.23	100.3	196.0	20.75	12.94	75.78
#1	.5435	-4.269	-2.851	2.584	1.755	.3210
#2	.8391	-.7263	.4609	1.923	2.109	.0970
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca3158	Cd2288	Co2286	Cr2677	Cu3247	Fe2714
Line	315.887 {107}	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}
IS Ref	(Y_3600)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	28.67	.0839	.0772	1.311	.3857	22.24
Stddev	.29	.0767	.0733	.267	.1575	11.62
%RSD	.9976	91.42	94.95	20.34	40.85	52.25
#1	28.47	.0297	.0254	1.122	.4970	30.46
#2	28.88	.1382	.1290	1.499	.2743	14.02
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 6/25/2014 14:16:01 Type: QC
 Method: method build ASXpress(v51) Mode: CONC Corr. Factor: 1.000000
 User: LLB 6010B: 50ICP2: :
 Comment:

Elem	K_7664	Mg2790	Mn2576	Mo2020	Ni2316	Pb2203
Line	766.490 {44}	279.079 {121}	257.610 {131}	202.030 {467}	231.604 {446}	220.353 {453}
IS Ref	(Y_3710)	(Y_3600)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	67.29	-3096	.4142	1.974	.9342	-.6040
Stddev	2.66	1.801	.0186	.456	.1216	.0937
%RSD	3.957	581.7	4.491	23.12	13.01	15.51

#1	65.41	-1.583	.4011	2.296	1.020	-.6702
#2	69.17	.9639	.4274	1.651	.8483	-.5377

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sb2068	Se1960	Si2881	Sn1899	Ti3372	Tl1908
Line	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	337.280 {100}	190.856 {477}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3.551	-.0251	22.02	2.205	.3911	-.0597
Stddev	.241	.0899	2.61	.727	.0594	.3022
%RSD	6.790	357.8	11.83	32.96	15.19	505.9

#1	3.722	-.0887	20.18	2.718	.3491	.1540
#2	3.381	.0384	23.86	1.691	.4331	-.2735

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 6/25/2014 14:16:01 Type: QC
 Method: method build ASXpress(v51) Mode: CONC Corr. Factor: 1.000000
 User: LLB 6010B: 50ICP2: :
 Comment:

Elem	V_2924	Zn2062	Na5895	Sr4077	P_1774
Line	292.464 {115}	206.200 {463}	589.592 { 57}	407.771 { 83}	177.495 {490}
IS Ref	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb
Avg	.1692	4.315	328.1	.2472	1.973
Stddev	.7375	.008	9.5	.0643	.072
%RSD	435.8	.1870	2.908	26.01	3.677

#1	-.3523	4.321	321.4	.2018	1.922
#2	.6907	4.309	334.9	.2927	2.024

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	11192.	128740.	20503.
Stddev	14.	96.	67.
%RSD	.12116	.07421	.32852

#1	11182.	128810.	20551.
#2	11201.	128680.	20456.

Sample Name: 5099688013_15889 Acquired: 6/25/2014 14:30:04 Type: Unk

Method: method build ASXpress(v51) Mode: CONC Corr. Factor: 1.000000

User: LLB 6010B: 50ICP2: :

Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3130
Line	328.068 {103}	308.215 {109}	189.042 {478}	249.678 {135}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.6348	3.017	-1.862	2.605	.0730	.1375
Stddev	.0690	3.402	.729	.097	.0395	.1327
%RSD	10.86	112.8	39.16	3.734	54.10	96.51

#1	.5861	5.423	-1.347	2.673	.0451	.0437
#2	.6836	.6116	-2.378	2.536	.1010	.2314

Check ?	None	None	None	None	None	None
Value						
Range						

Elem	Ca3158	Cd2288	Co2286	Cr2677	Cu3247	Fe2714
Line	315.887 {107}	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}
IS Ref	(Y_3600)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	120.3	.0569	-.0190	.4433	.5255	17.55
Stddev	.4	.0328	.1781	.1747	.0618	3.14
%RSD	.3076	57.60	939.2	39.40	11.76	17.90

#1	120.6	.0801	-.1449	.5668	.5692	19.77
#2	120.1	.0337	.1070	.3198	.4818	15.33

Check ?	None	None	None	None	None	None
Value						
Range						

Sample Name: 5099688013_15889 Acquired: 6/25/2014 14:30:04 Type: Unk

Method: method build ASXpress(v51) Mode: CONC Corr. Factor: 1.000000

User: LLB 6010B: 50ICP2: :

Comment:

Elem	K_7664	Mg2790	Mn2576	Mo2020	Ni2316	Pb2203
Line	766.490 {44}	279.079 {121}	257.610 {131}	202.030 {467}	231.604 {446}	220.353 {453}
IS Ref	(Y_3710)	(Y_3600)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	62.39	14.37	.0042	.1072	-.0844	-1.493
Stddev	1.85	.47	.0865	.0131	.4877	.442
%RSD	2.968	3.268	2042.	12.23	577.7	29.58

#1	61.08	14.04	-.0570	.1164	.2604	-1.805
#2	63.70	14.70	.0654	.0979	-.4292	-1.181

Check ?	None	None	None	None	None	None
Value						
Range						

Elem	Sb2068	Se1960	Si2881	Sn1899	Ti3372	Tl1908
Line	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	337.280 {100}	190.856 {477}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.3309	1.091	171.8	6.164	.0679	.4819
Stddev	1.893	.400	2.0	.622	.0139	.2280
%RSD	572.0	36.63	1.190	10.08	20.53	47.32

#1	-1.008	1.373	173.2	5.725	.0581	.3207
#2	1.669	.8082	170.3	6.604	.0778	.6432

Check ?	None	None	None	None	None	None
Value						
Range						

Sample Name: 5099688013_15889 Acquired: 6/25/2014 14:30:04 Type: Unk

Method: method build ASXpress(v51) Mode: CONC Corr. Factor: 1.000000

User: LLB 6010B: 50ICP2: :

Comment:

Elem	V_2924	Zn2062	Na5895	Sr4077	P_1774
Line	292.464 {115}	206.200 {463}	589.592 { 57}	407.771 { 83}	177.495 {490}
IS Ref	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb
Avg	.0483	1.848	653.4	.2607	2.982
Stddev	1.470	.154	4.3	.0407	1.454
%RSD	3046.	8.328	.6510	15.62	48.75

#1	1.088	1.739	656.4	.2319	4.010
#2	-.9912	1.957	650.4	.2895	1.954

Check ?	None	None	None	None	None
Value					
Range					

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	11113.	128620.	20326.
Stddev	17.	392.	19.
%RSD	.15476	.30446	.09424

#1	11125.	128350.	20312.
#2	11101.	128900.	20339.

Sample Name: CCV Acquired: 6/25/2014 14:35:39 Type: QC
 Method: method build ASXpress(v51) Mode: CONC Corr. Factor: 1.000000
 User: LLB 6010B: 50ICP2: :
 Comment:

Elem Line	Ag3280 328.068 {103}	Al3082 308.215 {109}	As1890 189.042 {478}	B_2496 249.678 {135}	Ba4554 455.403 { 74}	Be3130 313.042 {108}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	480.3	9591.	981.0	971.9	977.8	989.4
Stddev	.8	14.	2.9	1.4	2.1	1.5
%RSD	.1657	.1423	.2988	.1461	.2115	.1503
#1	479.8	9581.	978.9	972.9	976.3	988.3
#2	480.9	9601.	983.1	970.9	979.2	990.5
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range						

Elem Line	Ca3158 315.887 {107}	Cd2288 228.802 {447}	Co2286 228.616 {447}	Cr2677 267.716 {126}	Cu3247 324.754 {104}	Fe2714 271.441 {124}
IS Ref	(Y_3600)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	9651.	953.4	967.5	971.1	970.2	9956.
Stddev	20.	2.7	2.8	.3	.2	14.
%RSD	.2115	.2823	.2883	.0262	.0255	.1359
#1	9665.	951.5	965.5	970.9	970.3	9946.
#2	9636.	955.3	969.5	971.3	970.0	9966.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range						

Sample Name: CCV Acquired: 6/25/2014 14:35:39 Type: QC
 Method: method build ASXpress(v51) Mode: CONC Corr. Factor: 1.000000
 User: LLB 6010B: 50ICP2: :
 Comment:

Elem	K_7664	Mg2790	Mn2576	Mo2020	Ni2316	Pb2203
Line	766.490 {44}	279.079 {121}	257.610 {131}	202.030 {467}	231.604 {446}	220.353 {453}
IS Ref	(Y_3710)	(Y_3600)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	9907.	9647.	973.3	995.8	960.3	933.4
Stddev	2.	16.	.8	1.7	4.4	3.8
%RSD	.0234	.1622	.0792	.1723	.4559	.4017

#1	9909.	9658.	973.9	994.6	957.2	930.8
#2	9905.	9636.	972.8	997.0	963.4	936.1

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Sb2068	Se1960	Si2881	Sn1899	Ti3372	Tl1908
Line	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	337.280 {100}	190.856 {477}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	995.3	955.6	4903.	984.4	1005.	939.8
Stddev	2.9	1.1	2.	1.5	1.	.5
%RSD	.2962	.1134	.0502	.1496	.0659	.0521

#1	993.2	954.8	4905.	983.3	1005.	940.2
#2	997.4	956.4	4901.	985.4	1005.	939.5

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 6/25/2014 14:35:39 Type: QC
 Method: method build ASXpress(v51) Mode: CONC Corr. Factor: 1.000000
 User: LLB 6010B: 50ICP2: :
 Comment:

Elem	V_2924	Zn2062	Na5895	Sr4077	P_1774
Line	292.464 {115}	206.200 {463}	589.592 { 57}	407.771 { 83}	177.495 {490}
IS Ref	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb
Avg	1002.	946.8	9293.	959.2	956.5
Stddev	2.	2.3	20.	1.6	1.5
%RSD	.2130	.2442	.2147	.1680	.1600

#1	1003.	945.1	9279.	958.0	955.4
#2	1000.	948.4	9307.	960.3	957.6

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	11086.	127660.	20417.
Stddev	18.	61.	50.
%RSD	.16510	.04803	.24478

#1	11073.	127620.	20452.
#2	11099.	127710.	20382.

Sample Name: CCB Acquired: 6/25/2014 14:38:11 Type: QC
 Method: method build ASXpress(v51) Mode: CONC Corr. Factor: 1.000000
 User: LLB 6010B: 50ICP2: :
 Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3130
Line	328.068 {103}	308.215 {109}	189.042 {478}	249.678 {135}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.3878	-3.164	-1.049	2.137	2.176	.0328
Stddev	.2165	2.911	1.767	.840	.251	.0635
%RSD	55.82	91.99	168.4	39.31	11.55	193.8
#1	.2348	-5.222	-2.298	2.732	1.998	.0777
#2	.5409	-1.106	.2003	1.543	2.353	-.0121
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca3158	Cd2288	Co2286	Cr2677	Cu3247	Fe2714
Line	315.887 {107}	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}
IS Ref	(Y_3600)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	28.75	.1218	.0316	1.791	.0409	17.90
Stddev	.36	.0317	.1115	.182	.0241	.62
%RSD	1.246	26.00	353.2	10.18	58.91	3.470
#1	28.50	.1442	-.0473	1.920	.0238	18.34
#2	29.00	.0994	.1104	1.662	.0579	17.46
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 6/25/2014 14:38:11 Type: QC
 Method: method build ASXpress(v51) Mode: CONC Corr. Factor: 1.000000
 User: LLB 6010B: 50ICP2: :
 Comment:

Elem	K_7664	Mg2790	Mn2576	Mo2020	Ni2316	Pb2203
Line	766.490 {44}	279.079 {121}	257.610 {131}	202.030 {467}	231.604 {446}	220.353 {453}
IS Ref	(Y_3710)	(Y_3600)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	86.05	-2.075	.3399	1.884	.8397	-.0800
Stddev	41.47	3.273	.0047	.007	.3682	.9563
%RSD	48.19	1577.	1.391	.3881	43.85	1195.
#1	56.73	-2.522	.3433	1.889	.5793	.5962
#2	115.4	2.107	.3366	1.879	1.100	-.7562
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sb2068	Se1960	Si2881	Sn1899	Ti3372	Tl1908
Line	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	337.280 {100}	190.856 {477}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.109	-.1505	57.94	1.896	.4519	.6800
Stddev	.564	1.543	2.61	.043	.0378	.7364
%RSD	50.87	1025.	4.505	2.283	8.364	108.3
#1	.7099	.9407	59.79	1.927	.4251	1.201
#2	1.508	-1.242	56.10	1.865	.4786	.1593
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 6/25/2014 14:38:11 Type: QC
 Method: method build ASXpress(v51) Mode: CONC Corr. Factor: 1.000000
 User: LLB 6010B: 50ICP2: :
 Comment:

Elem	V_2924	Zn2062	Na5895	Sr4077	P_1774
Line	292.464 {115}	206.200 {463}	589.592 { 57}	407.771 { 83}	177.495 {490}
IS Ref	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb
Avg	-0.3752	4.193	277.3	.0010	2.171
Stddev	.3909	.008	4.9	.0301	1.433
%RSD	104.2	.1804	1.777	3066.	65.99
#1	-0.6516	4.188	280.8	-0.0203	3.184
#2	-0.0989	4.198	273.8	.0222	1.158

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	11188.	128180.	20424.
Stddev	5.	385.	188.
%RSD	.04621	.30034	.91813
#1	11192.	128450.	20557.
#2	11184.	127910.	20292.

Sample Name: CRDL Acquired: 6/25/2014 14:40:58 Type: QC
 Method: method build ASXpress(v51) Mode: CONC Corr. Factor: 1.000000
 User: LLB 6010B: 50ICP2: :
 Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3130
Line	328.068 {103}	308.215 {109}	189.042 {478}	249.678 {135}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	9.896	204.8	9.426	112.0	9.906	4.104
Stddev	.175	1.1	.474	.8	.153	.059
%RSD	1.769	.5256	5.030	.7157	1.545	1.432
#1	10.02	204.1	9.091	112.6	10.01	4.146
#2	9.772	205.6	9.762	111.5	9.798	4.063
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca3158	Cd2288	Co2286	Cr2677	Cu3247	Fe2714
Line	315.887 {107}	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}
IS Ref	(Y_3600)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1105.	1.968	10.31	10.08	12.14	110.4
Stddev	7.	.145	.09	.47	.40	6.8
%RSD	.6734	7.377	.9070	4.645	3.310	6.131
#1	1099.	2.071	10.24	9.753	11.86	115.2
#2	1110.	1.865	10.38	10.42	12.43	105.7
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CRDL Acquired: 6/25/2014 14:40:58 Type: QC
 Method: method build ASXpress(v51) Mode: CONC Corr. Factor: 1.000000
 User: LLB 6010B: 50ICP2: :
 Comment:

Elem	K_7664	Mg2790	Mn2576	Mo2020	Ni2316	Pb2203
Line	766.490 {44}	279.079 {121}	257.610 {131}	202.030 {467}	231.604 {446}	220.353 {453}
IS Ref	(Y_3710)	(Y_3600)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1136.	1059.	10.74	10.31	9.927	8.167
Stddev	14.	4.	.08	.33	.127	.510
%RSD	1.249	.4078	.7275	3.153	1.280	6.246
#1	1126.	1056.	10.68	10.08	9.838	7.806
#2	1146.	1062.	10.79	10.54	10.02	8.528
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sb2068	Se1960	Si2881	Sn1899	Ti3372	Tl1908
Line	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	337.280 {100}	190.856 {477}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	6.838	8.279	234.9	11.25	10.44	10.12
Stddev	.408	.233	5.6	.60	.23	1.79
%RSD	5.963	2.814	2.380	5.290	2.204	17.65
#1	6.550	8.114	230.9	10.83	10.27	11.39
#2	7.127	8.443	238.8	11.67	10.60	8.859
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CRDL Acquired: 6/25/2014 14:40:58 Type: QC
 Method: method build ASXpress(v51) Mode: CONC Corr. Factor: 1.000000
 User: LLB 6010B: 50ICP2: :
 Comment:

Elem	V_2924	Zn2062	Na5895	Sr4077	P_1774
Line	292.464 {115}	206.200 {463}	589.592 { 57}	407.771 { 83}	177.495 {490}
IS Ref	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb
Avg	10.62	20.67	1282.	9.973	F 1116.
Stddev	.80	.27	14.	.036	8.
%RSD	7.507	1.304	1.074	.3597	.7434
#1	10.05	20.48	1272.	9.947	1110.
#2	11.18	20.86	1292.	9.998	1122.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit					15.00
Low Limit					5.000

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	11193.	129060.	20419.
Stddev	29.	222.	19.
%RSD	.26024	.17206	.09143
#1	11214.	129210.	20406.
#2	11173.	128900.	20432.

Sample Name: 1116762_15889 Acquired: 6/25/2014 15:09:59 Type: Unk
 Method: method build ASXpress(v51) Mode: CONC Corr. Factor: 1.000000
 User: LLB 6010B: 50ICP2: :
 Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3130
Line	328.068 {103}	308.215 {109}	189.042 {478}	249.678 {135}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.4413	4.093	-1.309	1.958	.6621	.1579
Stddev	.0979	3.368	.356	.249	.4404	.1088
%RSD	22.18	82.28	27.21	12.70	66.52	68.91
#1	.3721	6.474	-1.057	1.782	.9736	.0809
#2	.5105	1.711	-1.560	2.134	.3507	.2348
Check ?	None	None	None	None	None	None
Value						
Range						

Elem	Ca3158	Cd2288	Co2286	Cr2677	Cu3247	Fe2714
Line	315.887 {107}	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}
IS Ref	(Y_3600)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	40.47	.1377	.0164	.3685	.6264	12.98
Stddev	.19	.0401	.2104	.0131	.4889	10.57
%RSD	.4780	29.12	1286.	3.551	78.05	81.45
#1	40.33	.1094	-.1324	.3592	.9721	5.504
#2	40.60	.1661	.1652	.3777	.2807	20.46
Check ?	None	None	None	None	None	None
Value						
Range						

Sample Name: 1116762_15889 Acquired: 6/25/2014 15:09:59 Type: Unk
 Method: method build ASXpress(v51) Mode: CONC Corr. Factor: 1.000000
 User: LLB 6010B: 50ICP2: :
 Comment:

Elem	K_7664	Mg2790	Mn2576	Mo2020	Ni2316	Pb2203
Line	766.490 {44}	279.079 {121}	257.610 {131}	202.030 {467}	231.604 {446}	220.353 {453}
IS Ref	(Y_3710)	(Y_3600)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	65.24	17.77	.5490	1.929	.9563	-1.230
Stddev	5.58	.32	.0936	.019	.3949	1.044
%RSD	8.544	1.788	17.04	1.006	41.30	84.89
#1	69.18	17.99	.4829	1.915	1.236	-.4915
#2	61.30	17.54	.6152	1.943	.6770	-1.968
Check ?	None	None	None	None	None	None
Value						
Range						

Elem	Sb2068	Se1960	Si2881	Sn1899	Ti3372	Tl1908
Line	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	337.280 {100}	190.856 {477}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3.677	.4422	50.88	1.168	.4096	.3832
Stddev	.627	.4244	.29	.319	.0657	1.136
%RSD	17.04	95.98	.5690	27.33	16.05	296.5
#1	4.120	.7423	50.67	1.394	.3631	1.186
#2	3.234	.1421	51.08	.9426	.4561	-.4200
Check ?	None	None	None	None	None	None
Value						
Range						

Sample Name: 1116762_15889 Acquired: 6/25/2014 15:09:59 Type: Unk
 Method: method build ASXpress(v51) Mode: CONC Corr. Factor: 1.000000
 User: LLB 6010B: 50ICP2: :
 Comment:

Elem	V_2924	Zn2062	Na5895	Sr4077	P_1774
Line	292.464 {115}	206.200 {463}	589.592 { 57}	407.771 { 83}	177.495 {490}
IS Ref	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb
Avg	-4491	3.096	205.5	.1506	4.141
Stddev	.4088	.039	10.2	.1574	.770
%RSD	91.03	1.262	4.945	104.5	18.59
#1	-1.600	3.069	212.7	.0393	3.597
#2	-7381	3.124	198.3	.2619	4.686
Check ?	None	None	None	None	None
Value Range					
Int. Std.	Y_2243	Y_3600	Y_3710		
Line	224.306 {450}	360.073 { 94}	371.030 { 91}		
Units	Cts/S	Cts/S	Cts/S		
Avg	11179.	128870.	20589.		
Stddev	13.	34.	60.		
%RSD	.11676	.02660	.29312		
#1	11188.	128840.	20546.		
#2	11170.	128890.	20632.		

Sample Name: CCV Acquired: 6/25/2014 15:12:43 Type: QC
 Method: method build ASXpress(v51) Mode: CONC Corr. Factor: 1.000000
 User: LLB 6010B: 50ICP2: :
 Comment:

Elem Line	Ag3280 328.068 {103}	Al3082 308.215 {109}	As1890 189.042 {478}	B_2496 249.678 {135}	Ba4554 455.403 { 74}	Be3130 313.042 {108}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	473.6	9656.	979.7	971.3	975.7	961.8
Stddev	.3	14.	.7	3.3	2.5	.3
%RSD	.0734	.1485	.0738	.3441	.2518	.0345
#1	473.3	9646.	980.2	969.0	977.4	961.6
#2	473.8	9666.	979.2	973.7	973.9	962.1
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range						

Elem Line	Ca3158 315.887 {107}	Cd2288 228.802 {447}	Co2286 228.616 {447}	Cr2677 267.716 {126}	Cu3247 324.754 {104}	Fe2714 271.441 {124}
IS Ref	(Y_3600)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	9539.	950.7	965.2	957.6	955.9	9755.
Stddev	40.	3.3	3.1	3.6	.9	63.
%RSD	.4214	.3514	.3227	.3791	.0911	.6485
#1	9510.	948.3	963.0	955.0	956.5	9710.
#2	9567.	953.0	967.4	960.2	955.3	9800.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range						

Sample Name: CCV Acquired: 6/25/2014 15:12:43 Type: QC
 Method: method build ASXpress(v51) Mode: CONC Corr. Factor: 1.000000
 User: LLB 6010B: 50ICP2: :
 Comment:

Elem	K_7664	Mg2790	Mn2576	Mo2020	Ni2316	Pb2203
Line	766.490 {44}	279.079 {121}	257.610 {131}	202.030 {467}	231.604 {446}	220.353 {453}
IS Ref	(Y_3710)	(Y_3600)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	9838.	9448.	966.6	979.8	958.9	917.3
Stddev	46.	15.	3.1	4.9	2.7	2.3
%RSD	.4716	.1612	.3171	.5040	.2815	.2555
#1	9805.	9437.	964.5	976.3	957.0	915.6
#2	9870.	9459.	968.8	983.3	960.8	919.0
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Sb2068	Se1960	Si2881	Sn1899	Ti3372	Tl1908
Line	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	337.280 {100}	190.856 {477}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	985.1	948.6	4776.	983.3	990.8	920.4
Stddev	.5	.2	10.	1.0	1.9	.9
%RSD	.0532	.0186	.2068	.1022	.1959	.0980
#1	984.8	948.8	4769.	982.6	989.4	919.8
#2	985.5	948.5	4783.	984.0	992.2	921.1
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 6/25/2014 15:12:43 Type: QC
 Method: method build ASXpress(v51) Mode: CONC Corr. Factor: 1.000000
 User: LLB 6010B: 50ICP2: :
 Comment:

Elem	V_2924	Zn2062	Na5895	Sr4077	P_1774
Line	292.464 {115}	206.200 {463}	589.592 { 57}	407.771 { 83}	177.495 {490}
IS Ref	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb
Avg	998.5	938.3	9409.	961.6	957.4
Stddev	4.7	1.7	9.	1.1	2.1
%RSD	.4698	.1857	.0955	.1106	.2145
#1	995.1	937.1	9416.	962.4	955.9
#2	1002.	939.5	9403.	960.9	958.8
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					
Int. Std.	Y_2243	Y_3600	Y_3710		
Line	224.306 {450}	360.073 { 94}	371.030 { 91}		
Units	Cts/S	Cts/S	Cts/S		
Avg	11197.	129000.	20587.		
Stddev	14.	70.	37.		
%RSD	.12389	.05422	.18083		
#1	11207.	129050.	20560.		
#2	11188.	128950.	20613.		

Sample Name: CCB Acquired: 6/25/2014 15:15:15 Type: QC
 Method: method build ASXpress(v51) Mode: CONC Corr. Factor: 1.000000
 User: LLB 6010B: 50ICP2: :
 Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3130
Line	328.068 {103}	308.215 {109}	189.042 {478}	249.678 {135}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-3744	-7.210	-7861	1.647	1.835	.0952
Stddev	.5913	.360	1.581	1.112	.229	.0377
%RSD	157.9	4.991	201.1	67.49	12.46	39.64
#1	.0438	-6.955	-1.904	2.433	1.673	.0685
#2	-.7925	-7.464	.3318	.8611	1.997	.1219
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca3158	Cd2288	Co2286	Cr2677	Cu3247	Fe2714
Line	315.887 {107}	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}
IS Ref	(Y_3600)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	26.84	.0342	-.0026	1.960	-.2667	10.01
Stddev	.82	.1418	.1250	.407	.0700	2.76
%RSD	3.045	415.1	4879.	20.77	26.23	27.51
#1	27.42	.1345	.0858	1.672	-.3162	11.96
#2	26.26	-.0661	-.0909	2.248	-.2172	8.064
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 6/25/2014 15:15:15 Type: QC
 Method: method build ASXpress(v51) Mode: CONC Corr. Factor: 1.000000
 User: LLB 6010B: 50ICP2: :
 Comment:

Elem	K_7664	Mg2790	Mn2576	Mo2020	Ni2316	Pb2203
Line	766.490 {44}	279.079 {121}	257.610 {131}	202.030 {467}	231.604 {446}	220.353 {453}
IS Ref	(Y_3710)	(Y_3600)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	51.63	-1.116	.4435	1.842	1.031	-1.174
Stddev	9.48	2.988	.0184	.151	.070	.172
%RSD	18.36	267.7	4.157	8.206	6.746	14.66
#1	44.93	.9966	.4305	1.735	1.080	-1.296
#2	58.33	-3.229	.4565	1.949	.9815	-1.052
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sb2068	Se1960	Si2881	Sn1899	Ti3372	Tl1908
Line	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	337.280 {100}	190.856 {477}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3.567	-1.048	14.99	1.230	.3416	.8349
Stddev	.881	.149	3.04	.024	.2003	.1283
%RSD	24.70	14.20	20.27	1.942	58.65	15.36
#1	2.944	-1.153	12.84	1.213	.4833	.9256
#2	4.190	-.9423	17.14	1.247	.1999	.7442
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 6/25/2014 15:15:15 Type: QC
 Method: method build ASXpress(v51) Mode: CONC Corr. Factor: 1.000000
 User: LLB 6010B: 50ICP2: :
 Comment:

Elem	V_2924	Zn2062	Na5895	Sr4077	P_1774
Line	292.464 {115}	206.200 {463}	589.592 { 57}	407.771 { 83}	177.495 {490}
IS Ref	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb
Avg	-0.5569	4.396	186.2	.0842	1.661
Stddev	.3680	.118	6.1	.0384	.056
%RSD	66.09	2.680	3.285	45.63	3.345

#1	-0.8171	4.479	181.8	.1113	1.622
#2	-0.2966	4.313	190.5	.0570	1.701

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	11150.	128840.	20500.
Stddev	39.	14.	5.
%RSD	.35008	.01098	.02504

#1	11177.	128850.	20503.
#2	11122.	128830.	20496.

Sample Name: CRDL Acquired: 6/25/2014 15:18:01 Type: QC
 Method: method build ASXpress(v51) Mode: CONC Corr. Factor: 1.000000
 User: LLB 6010B: 50ICP2: :
 Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3130
Line	328.068 {103}	308.215 {109}	189.042 {478}	249.678 {135}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	9.892	206.8	10.47	112.0	10.16	4.196
Stddev	.500	2.8	.52	1.5	.16	.003
%RSD	5.049	1.345	4.935	1.309	1.575	.0646
#1	9.539	204.9	10.84	110.9	10.27	4.194
#2	10.25	208.8	10.10	113.0	10.05	4.198
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca3158	Cd2288	Co2286	Cr2677	Cu3247	Fe2714
Line	315.887 {107}	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}
IS Ref	(Y_3600)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1101.	2.154	10.04	10.22	11.63	117.3
Stddev	5.	.028	.16	.10	.06	1.7
%RSD	.4821	1.283	1.599	.9430	.5295	1.470
#1	1097.	2.134	9.923	10.15	11.68	118.5
#2	1105.	2.174	10.15	10.29	11.59	116.1
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CRDL Acquired: 6/25/2014 15:18:01 Type: QC
 Method: method build ASXpress(v51) Mode: CONC Corr. Factor: 1.000000
 User: LLB 6010B: 50ICP2: :
 Comment:

Elem	K_7664	Mg2790	Mn2576	Mo2020	Ni2316	Pb2203
Line	766.490 {44}	279.079 {121}	257.610 {131}	202.030 {467}	231.604 {446}	220.353 {453}
IS Ref	(Y_3710)	(Y_3600)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1151.	1047.	10.63	10.34	9.842	9.327
Stddev	39.	5.	.07	.13	.046	.184
%RSD	3.349	.4645	.6978	1.222	.4630	1.972
#1	1179.	1043.	10.68	10.25	9.875	9.457
#2	1124.	1050.	10.58	10.43	9.810	9.197
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sb2068	Se1960	Si2881	Sn1899	Ti3372	Tl1908
Line	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	337.280 {100}	190.856 {477}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	6.823	10.01	218.0	11.63	10.37	10.18
Stddev	.478	.18	1.4	.24	.09	.20
%RSD	7.002	1.769	.6605	2.085	.8910	1.928
#1	7.161	9.887	219.0	11.46	10.30	10.04
#2	6.485	10.14	217.0	11.80	10.43	10.31
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CRDL Acquired: 6/25/2014 15:18:01 Type: QC
 Method: method build ASXpress(v51) Mode: CONC Corr. Factor: 1.000000
 User: LLB 6010B: 50ICP2: :
 Comment:

Elem	V_2924	Zn2062	Na5895	Sr4077	P_1774
Line	292.464 {115}	206.200 {463}	589.592 { 57}	407.771 { 83}	177.495 {490}
IS Ref	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb
Avg	10.69	20.70	1233.	9.879	F 1116.
Stddev	.07	.07	12.	.073	1.
%RSD	.6290	.3315	.9351	.7402	.0528
#1	10.65	20.75	1225.	9.828	1116.
#2	10.74	20.65	1242.	9.931	1115.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit					15.00
Low Limit					5.000

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	11220.	128960.	20469.
Stddev	44.	784.	111.
%RSD	.39379	.60765	.54284
#1	11188.	129520.	20391.
#2	11251.	128410.	20548.

Sample Name: CAL0 Acquired: 6/24/2014 7:42:31 Type: Cal
 Method: 50ICP3 method build(v66) Mode: IR Corr. Factor: 1.000000
 User: frw EPA 6010B: 50ICP3: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3130
Line	328.068 {103}	308.215 {109}	189.042 {478}	249.678 {135}	455.403 {74}	313.042 {108}
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3710)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0002	.0016	-.0007	.0001	.0029	-.0000
Stddev	.0003	.0001	.0001	.0001	.0006	.0001
%RSD	172.7	5.232	7.762	85.90	19.10	402.1
#1	.0003	.0017	-.0007	.0002	.0033	.0001
#2	-.0000	.0015	-.0007	.0000	.0025	-.0001
Elem	Ca3158	Cd2288	Co2286	Cr2677	Cu3247	Fe2714
Line	315.887 {107}	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}
IS Ref	(Y_3600)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0011	.0007	.0000	.0000	.0004	.0001
Stddev	.0001	.0001	.0001	.0001	.0001	.0000
%RSD	5.346	11.47	160.5	258.5	18.67	14.81
#1	.0012	.0007	.0001	-.0000	.0003	.0001
#2	.0011	.0006	-.0000	.0001	.0004	.0001
Elem	K_7664	Mg2790	Mn2576	Mo2020	Ni2316	Pb2203
Line	766.490 {44}	279.079 {121}	257.610 {131}	202.030 {467}	231.604 {446}	220.353 {453}
IS Ref	(Y_3710)	(Y_3600)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	-.0011	.0000	.0006	.0005	-.0001	-.0001
Stddev	.0006	.0000	.0000	.0001	.0001	.0001
%RSD	57.63	60.85	.1941	19.62	58.20	110.9
#1	-.0006	.0000	.0006	.0005	-.0001	-.0002
#2	-.0015	.0000	.0006	.0006	-.0001	-.0000

Sample Name: CAL0 Acquired: 6/24/2014 7:42:31 Type: Cal
 Method: 50ICP3 method build(v66) Mode: IR Corr. Factor: 1.000000
 User: frw EPA 6010B: 50ICP3: Custom ID3:
 Comment:

Elem	Sb2068	Se1960	Si2881	Sn1899	Ti3372	Tl1908
Line	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	337.280 {100}	190.856 {477}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3600)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0002	-.0000	.0052	.0000	.0007	-.0013
Stddev	.0000	.0001	.0001	.0000	.0001	.0000
%RSD	23.92	3572.	2.382	38.68	8.369	.8773

#1	.0002	.0001	.0051	.0000	.0007	-.0013
#2	.0002	-.0001	.0053	.0000	.0008	-.0013

Elem	V_2924	Zn2062	Na5895	Sr4077	P_1774
Line	292.464 {115}	206.200 {463}	589.592 { 57}	407.771 { 83}	177.495 {490}
IS Ref	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	-.0009	.0011	-.0000	-.0026	-.0021
Stddev	.0000	.0000	.0006	.0003	.0001
%RSD	2.652	1.451	3674.	13.12	2.419

#1	-.0010	.0011	.0004	-.0023	-.0022
#2	-.0009	.0011	-.0005	-.0028	-.0021

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	6438.9	48350.	13400.
Stddev	16.0	94.	19.
%RSD	.24883	.19476	.14404

#1	6427.6	48284.	13386.
#2	6450.3	48417.	13413.

Sample Name: CAL1 Acquired: 6/24/2014 7:44:46 Type: Cal
 Method: 50ICP3 method build(v66) Mode: IR Corr. Factor: 1.000000
 User: frw EPA 6010B: 50ICP3: Custom ID3:
 Comment:

Elem	Be3130	Cd2288	Mn2576	Pb2203	Se1960	Zn2062
Line	313.042 {108}	228.802 {447}	257.610 {131}	220.353 {453}	196.090 {472}	206.200 {463}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1.575	3.741	1.313	1.241	.2585	1.688
Stddev	.001	.019	.004	.008	.0015	.010
%RSD	.0787	.5185	.2880	.6265	.5888	.6069
#1	1.575	3.754	1.310	1.247	.2595	1.695
#2	1.574	3.727	1.316	1.236	.2574	1.680
Int. Std.	Y_2243	Y_3600	Y_3710			
Line	224.306 {450}	360.073 {94}	371.030 {91}			
Units	Cts/S	Cts/S	Cts/S			
Avg	6466.8	48526.	13414.			
Stddev	25.0	17.	6.			
%RSD	.38631	.03558	.04751			
#1	6449.1	48539.	13409.			
#2	6484.4	48514.	13418.			

Sample Name: CAL2 Acquired: 6/24/2014 7:46:57 Type: Cal
 Method: 50ICP3 method build(v66) Mode: IR Corr. Factor: 1.000000
 User: frw EPA 6010B: 50ICP3: Custom ID3:
 Comment:

Elem	Ba4554	Co2286	Cu3247	Fe2714	V_2924	Sr4077
Line	455.403 { 74}	228.616 {447}	324.754 {104}	271.441 {124}	292.464 {115}	407.771 { 83}
IS Ref	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_3600)	(Y_3710)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3.043	.6482	.0696	.5140	.0733	4.746
Stddev	.003	.0014	.0001	.0002	.0002	.007
%RSD	.0911	.2207	.1577	.0432	.2577	.1567
#1	3.041	.6492	.0696	.5142	.0732	4.741
#2	3.045	.6472	.0697	.5139	.0734	4.751
Int. Std.	Y_2243	Y_3600	Y_3710			
Line	224.306 {450}	360.073 { 94}	371.030 { 91}			
Units	Cts/S	Cts/S	Cts/S			
Avg	6430.1	48300.	13339.			
Stddev	.2	84.	57.			
%RSD	.00256	.17364	.42413			
#1	6430.2	48360.	13379.			
#2	6430.0	48241.	13299.			

Sample Name: CAL3 Acquired: 6/24/2014 7:49:10 Type: Cal
 Method: 50ICP3 method build(v66) Mode: IR Corr. Factor: 1.000000
 User: frw EPA 6010B: 50ICP3: Custom ID3:
 Comment:

Elem	As1890	Mo2020	Si2881
Line	189.042 {478}	202.030 {467}	288.158 {117}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)
Units	Cts/S	Cts/S	Cts/S
Avg	.6577	.9428	.2687
Stddev	.0006	.0050	.0018
%RSD	.0880	.5322	.6657

#1	.6573	.9463	.2675
#2	.6581	.9392	.2700

Int. Std.	Y_2243	Y_3600
Line	224.306 {450}	360.073 { 94}
Units	Cts/S	Cts/S
Avg	6474.9	48721.
Stddev	10.1	13.
%RSD	.15586	.02751

#1	6482.0	48731.
#2	6467.8	48712.

Sample Name: CAL4 Acquired: 6/24/2014 7:51:21 Type: Cal
 Method: 50ICP3 method build(v66) Mode: IR Corr. Factor: 1.000000
 User: frw EPA 6010B: 50ICP3: Custom ID3:
 Comment:

Elem	Al3082	Ca3158	Cr2677	K_7664	Ni2316	Na5895
Line	308.215 {109}	315.887 {107}	267.716 {126}	766.490 { 44}	231.604 {446}	589.592 { 57}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_3710)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.2253	2.415	.0286	.6765	.3812	1.059
Stddev	.0002	.008	.0002	.0012	.0013	.002
%RSD	.0699	.3137	.6116	.1817	.3368	.1376
#1	.2254	2.420	.0285	.6774	.3821	1.058
#2	.2252	2.409	.0287	.6757	.3803	1.060
Int. Std.	Y_2243	Y_3600	Y_3710			
Line	224.306 {450}	360.073 { 94}	371.030 { 91}			
Units	Cts/S	Cts/S	Cts/S			
Avg	6334.2	48024.	13266.			
Stddev	4.8	106.	50.			
%RSD	.07638	.22161	.37403			
#1	6330.8	47948.	13230.			
#2	6337.6	48099.	13301.			

Sample Name: CAL5 Acquired: 6/24/2014 7:53:33 Type: Cal
 Method: 50ICP3 method build(v66) Mode: IR Corr. Factor: 1.000000
 User: frw EPA 6010B: 50ICP3: Custom ID3:
 Comment:

Elem	B_2496	Mg2790	Sb2068	Tl1908
Line	249.678 {135}	279.079 {121}	206.833 {463}	190.856 {477}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.1075	.2243	.4068	.3614
Stddev	.0001	.0012	.0014	.0006
%RSD	.1234	.5181	.3367	.1772

#1	.1074	.2235	.4077	.3619
#2	.1076	.2251	.4058	.3609

Int. Std.	Y_2243	Y_3600
Line	224.306 {450}	360.073 { 94}
Units	Cts/S	Cts/S
Avg	6401.2	48516.
Stddev	4.3	97.
%RSD	.06774	.20052

#1	6404.2	48585.
#2	6398.1	48447.

Sample Name: CAL6 Acquired: 6/24/2014 7:55:45 Type: Cal
 Method: 50ICP3 method build(v66) Mode: IR Corr. Factor: 1.000000
 User: frw EPA 6010B: 50ICP3: Custom ID3:
 Comment:

Elem	Sn1899	Ti3372	P_1774
Line	189.989 {477}	337.280 {100}	177.495 {490}
IS Ref	(Y_2243)	(Y_3600)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S
Avg	1.364	3.887	.7271
Stddev	.006	.005	.0015
%RSD	.4349	.1404	.2026

#1	1.368	3.891	.7282
#2	1.360	3.883	.7261

Int. Std.	Y_2243	Y_3600
Line	224.306 {450}	360.073 { 94}
Units	Cts/S	Cts/S
Avg	6444.0	48305.
Stddev	5.4	140.
%RSD	.08312	.28880

#1	6440.2	48404.
#2	6447.8	48207.

Sample Name: CAL7 Acquired: 6/24/2014 7:57:56 Type: Cal
Method: 50ICP3 method build(v66) Mode: IR Corr. Factor: 1.000000
User: frw EPA 6010B: 50ICP3: Custom ID3:
Comment:

Elem	Ag3280
Line	328.068 {103}
IS Ref	(Y_3710)
Units	Cts/S
Avg	.1402
Stddev	.0004
%RSD	.3029

#1	.1405
#2	.1399

Int. Std.	Y_3710
Line	371.030 { 91}
Units	Cts/S
Avg	13266.
Stddev	66.
%RSD	.49937

#1	13219.
#2	13313.

Sample Name: ICV Acquired: 6/24/2014 8:00:13 Type: QC
 Method: 50ICP3 method build(v66) Mode: CONC Corr. Factor: 1.000000
 User: frw EPA 6010B: 50ICP3: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3130
Line	328.068 {103}	308.215 {109}	189.042 {478}	249.678 {135}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	484.4	9875.	1011.	1013.	990.3	995.6
Stddev	3.6	16.	1.	.	.9	1.9
%RSD	.7467	.1664	.0602	.0115	.0900	.1893
#1	481.8	9863.	1011.	1014.	990.9	996.9
#2	486.9	9886.	1012.	1013.	989.6	994.2
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Ca3158	Cd2288	Co2286	Cr2677	Cu3247	Fe2714
Line	315.887 {107}	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}
IS Ref	(Y_3600)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	9945.	992.4	992.1	988.4	975.9	9989.
Stddev	28.	1.5	.0	4.2	2.1	24.
%RSD	.2847	.1561	.0020	.4234	.2154	.2421
#1	9965.	991.3	992.0	985.4	977.4	9972.
#2	9925.	993.5	992.1	991.3	974.4	10010.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: ICV Acquired: 6/24/2014 8:00:13 Type: QC
 Method: 50ICP3 method build(v66) Mode: CONC Corr. Factor: 1.000000
 User: frw EPA 6010B: 50ICP3: Custom ID3:
 Comment:

Elem	K_7664	Mg2790	Mn2576	Mo2020	Ni2316	Pb2203
Line	766.490 {44}	279.079 {121}	257.610 {131}	202.030 {467}	231.604 {446}	220.353 {453}
IS Ref	(Y_3710)	(Y_3600)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	9777.	10030.	1002.	1026.	979.8	992.2
Stddev	11.	35.	1.	2.	.6	1.2
%RSD	.1141	.3475	.1057	.2223	.0572	.1256
#1	9769.	10010.	1003.	1028.	979.4	993.1
#2	9785.	10050.	1001.	1025.	980.2	991.3

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 Value
 Range

Elem	Sb2068	Se1960	Si2881	Sn1899	Ti3372	Tl1908
Line	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	337.280 {100}	190.856 {477}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1009.	990.0	4579.	1012.	1017.	986.3
Stddev	4.	.6	11.	1.	1.	2.7
%RSD	.3555	.0633	.2446	.1041	.0544	.2739
#1	1011.	989.6	4571.	1013.	1017.	984.4
#2	1006.	990.5	4587.	1011.	1016.	988.2

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 Value
 Range

Sample Name: ICV Acquired: 6/24/2014 8:00:13 Type: QC
 Method: 50ICP3 method build(v66) Mode: CONC Corr. Factor: 1.000000
 User: frw EPA 6010B: 50ICP3: Custom ID3:
 Comment:

Elem	V_2924	Zn2062	Na5895	Sr4077	P_1774
Line	292.464 {115}	206.200 {463}	589.592 { 57}	407.771 { 83}	177.495 {490}
IS Ref	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb
Avg	1024.	984.7	9776.	978.3	1016.
Stddev	4.	.4	16.	.9	1.
%RSD	.4043	.0426	.1597	.0877	.0743

#1	1027.	984.4	9787.	978.9	1017.
#2	1021.	985.0	9765.	977.7	1016.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	6410.5	47912.	13423.
Stddev	3.0	95.	44.
%RSD	.04614	.19789	.32579

#1	6408.4	47844.	13392.
#2	6412.6	47979.	13454.

Sample Name: ICB Acquired: 6/24/2014 8:02:16 Type: QC
 Method: 50ICP3 method build(v66) Mode: CONC Corr. Factor: 1.000000
 User: frw EPA 6010B: 50ICP3: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3130
Line	328.068 {103}	308.215 {109}	189.042 {478}	249.678 {135}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.741	3.601	2.651	1.687	.0043	.0627
Stddev	2.862	2.316	.683	.506	.0584	.1350
%RSD	164.3	64.33	25.75	30.01	1368.	215.4
#1	.2822	1.963	2.169	1.329	-.0371	.1581
#2	-3.765	5.239	3.134	2.044	.0456	-.0328
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca3158	Cd2288	Co2286	Cr2677	Cu3247	Fe2714
Line	315.887 {107}	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}
IS Ref	(Y_3600)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-9.738	.0477	.2053	.8394	2.793	21.58
Stddev	.145	.0957	.0620	1.929	1.495	8.96
%RSD	1.487	200.6	30.21	229.8	53.54	41.52
#1	-9.840	-.0200	.1615	-.5246	3.850	27.92
#2	-9.635	.1154	.2492	2.203	1.735	15.25
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: ICB Acquired: 6/24/2014 8:02:16 Type: QC
 Method: 50ICP3 method build(v66) Mode: CONC Corr. Factor: 1.000000
 User: frw EPA 6010B: 50ICP3: Custom ID3:
 Comment:

Elem	K_7664	Mg2790	Mn2576	Mo2020	Ni2316	Pb2203
Line	766.490 {44}	279.079 {121}	257.610 {131}	202.030 {467}	231.604 {446}	220.353 {453}
IS Ref	(Y_3710)	(Y_3600)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	13.99	4.693	-4.843	9.318	-3.678	-8.707
Stddev	2.08	1.975	.0258	1.083	.0856	1.259
%RSD	14.87	42.09	5.321	11.62	23.28	144.6
#1	15.46	3.296	-5.025	8.552	-4.283	-1.761
#2	12.52	6.089	-4.661	10.08	-3.073	.0194
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sb2068	Se1960	Si2881	Sn1899	Ti3372	Tl1908
Line	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	337.280 {100}	190.856 {477}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3.384	-.7797	1.550	3.566	1.645	-.2179
Stddev	1.942	1.672	3.534	.509	.140	.0732
%RSD	57.38	214.4	228.0	14.26	8.482	33.60
#1	2.011	-1.962	-.9489	3.206	1.546	-.1661
#2	4.756	.4026	4.049	3.926	1.743	-.2696
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: ICB Acquired: 6/24/2014 8:02:16 Type: QC
 Method: 50ICP3 method build(v66) Mode: CONC Corr. Factor: 1.000000
 User: frw EPA 6010B: 50ICP3: Custom ID3:
 Comment:

Elem	V_2924	Zn2062	Na5895	Sr4077	P_1774
Line	292.464 {115}	206.200 {463}	589.592 { 57}	407.771 { 83}	177.495 {490}
IS Ref	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb
Avg	2.126	-1.290	7.517	-0.610	-1.529
Stddev	.878	.134	6.365	.0085	1.576
%RSD	41.32	10.35	84.68	13.95	103.0

#1	1.505	-1.385	3.016	-0.670	-4.150
#2	2.747	-1.196	12.02	-0.550	-2.643

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	6459.4	48377.	13372.
Stddev	11.3	37.	29.
%RSD	.17439	.07689	.21956

#1	6451.5	48351.	13393.
#2	6467.4	48403.	13351.

Sample Name: CRDL Acquired: 6/24/2014 8:04:32 Type: QC
 Method: 50ICP3 method build(v66) Mode: CONC Corr. Factor: 1.000000
 User: frw EPA 6010B: 50ICP3: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3130
Line	328.068 {103}	308.215 {109}	189.042 {478}	249.678 {135}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	7.537	217.7	12.43	113.2	10.62	4.296
Stddev	.648	1.6	.41	.6	.01	.118
%RSD	8.592	.7334	3.329	.4874	.0996	2.737
#1	7.079	218.8	12.13	112.8	10.63	4.213
#2	7.995	216.5	12.72	113.6	10.62	4.379
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca3158	Cd2288	Co2286	Cr2677	Cu3247	Fe2714
Line	315.887 {107}	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}
IS Ref	(Y_3600)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1124.	2.244	10.32	10.08	12.86	109.0
Stddev	4.	.104	.04	4.03	1.04	5.0
%RSD	.3343	4.639	.3698	39.92	8.081	4.591
#1	1127.	2.170	10.30	12.93	12.12	112.5
#2	1122.	2.318	10.35	7.238	13.59	105.5
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CRDL Acquired: 6/24/2014 8:04:32 Type: QC
 Method: 50ICP3 method build(v66) Mode: CONC Corr. Factor: 1.000000
 User: frw EPA 6010B: 50ICP3: Custom ID3:
 Comment:

Elem	K_7664	Mg2790	Mn2576	Mo2020	Ni2316	Pb2203
Line	766.490 {44}	279.079 {121}	257.610 {131}	202.030 {467}	231.604 {446}	220.353 {453}
IS Ref	(Y_3710)	(Y_3600)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1138.	1103.	11.16	11.93	10.29	10.09
Stddev	.	6.	.10	.29	.02	.64
%RSD	.0348	.5285	.8653	2.411	.1904	6.368
#1	1138.	1107.	11.23	11.73	10.30	10.54
#2	1139.	1099.	11.10	12.13	10.27	9.635
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sb2068	Se1960	Si2881	Sn1899	Ti3372	Tl1908
Line	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	337.280 {100}	190.856 {477}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	7.514	10.87	208.1	13.00	10.97	9.347
Stddev	.456	1.53	3.3	.82	.13	.938
%RSD	6.068	14.08	1.585	6.325	1.229	10.03
#1	7.836	9.787	210.4	12.42	11.07	8.684
#2	7.191	11.95	205.8	13.58	10.88	10.01
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CRDL Acquired: 6/24/2014 8:04:32 Type: QC
 Method: 50ICP3 method build(v66) Mode: CONC Corr. Factor: 1.000000
 User: frw EPA 6010B: 50ICP3: Custom ID3:
 Comment:

Elem	V_2924	Zn2062	Na5895	Sr4077	P_1774
Line	292.464 {115}	206.200 {463}	589.592 { 57}	407.771 { 83}	177.495 {490}
IS Ref	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb
Avg	11.35	21.04	1125.	10.13	1137.
Stddev	.20	.03	2.	.01	3.
%RSD	1.737	.1557	.2174	.0753	.2354
#1	11.49	21.07	1123.	10.12	1139.
#2	11.21	21.02	1127.	10.13	1135.

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	6447.3	48157.	13353.
Stddev	10.6	128.	52.
%RSD	.16389	.26650	.38825
#1	6439.9	48067.	13316.
#2	6454.8	48248.	13390.

Sample Name: ICSA Acquired: 6/24/2014 8:06:47 Type: QC
 Method: 50ICP3 method build(v66) Mode: CONC Corr. Factor: 1.000000
 User: frw EPA 6010B: 50ICP3: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3130
Line	328.068 {103}	308.215 {109}	189.042 {478}	249.678 {135}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-3.631	512000.	8.647	-10.98	1.045	.0824
Stddev	1.310	1579.	2.605	.78	.019	.0312
%RSD	36.08	.3083	30.13	7.135	1.821	37.93
#1	-2.705	510900.	6.805	-10.42	1.059	.1045
#2	-4.557	513100.	10.49	-11.53	1.032	.0603
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca3158	Cd2288	Co2286	Cr2677	Cu3247	Fe2714
Line	315.887 {107}	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}
IS Ref	(Y_3600)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	470800.	.3752	3.592	.7774	8.860	199200.
Stddev	29.	.0507	.212	.0758	2.718	24.
%RSD	.0063	13.50	5.906	9.745	30.68	.0119
#1	470800.	.4110	3.442	.8310	6.938	199300.
#2	470800.	.3394	3.742	.7238	10.78	199200.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: ICSA Acquired: 6/24/2014 8:06:47 Type: QC
 Method: 50ICP3 method build(v66) Mode: CONC Corr. Factor: 1.000000
 User: frw EPA 6010B: 50ICP3: Custom ID3:
 Comment:

Elem	K_7664	Mg2790	Mn2576	Mo2020	Ni2316	Pb2203
Line	766.490 {44}	279.079 {121}	257.610 {131}	202.030 {467}	231.604 {446}	220.353 {453}
IS Ref	(Y_3710)	(Y_3600)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-199.7	544000.	9.426	-1.260	2.823	-0.3305
Stddev	11.6	741.	.070	.576	.652	1.614
%RSD	5.798	.1362	.7477	45.72	23.09	488.2
#1	-207.9	543500.	9.476	-1.667	2.362	-1.472
#2	-191.5	544600.	9.376	-0.8527	3.284	.8105
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sb2068	Se1960	Si2881	Sn1899	Ti3372	Tl1908
Line	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	337.280 {100}	190.856 {477}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	5.834	-10.17	48.70	5.096	.8674	-0.0551
Stddev	1.638	2.87	1.86	.285	.3659	2.002
%RSD	28.07	28.27	3.821	5.586	42.18	3636.
#1	6.992	-12.20	50.02	4.894	.6087	-1.471
#2	4.676	-8.134	47.38	5.297	1.126	1.361
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: ICSA Acquired: 6/24/2014 8:06:47 Type: QC
 Method: 50ICP3 method build(v66) Mode: CONC Corr. Factor: 1.000000
 User: frw EPA 6010B: 50ICP3: Custom ID3:
 Comment:

Elem	V_2924	Zn2062	Na5895	Sr4077	P_1774
Line	292.464 {115}	206.200 {463}	589.592 { 57}	407.771 { 83}	177.495 {490}
IS Ref	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb
Avg	9.413	15.90	50.63	3.111	21.91
Stddev	.796	.61	1.25	.055	.57
%RSD	8.454	3.856	2.461	1.757	2.612
#1	8.851	15.47	49.75	3.072	22.31
#2	9.976	16.34	51.51	3.149	21.50

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	5822.4	44953.	12793.
Stddev	8.6	39.	26.
%RSD	.14715	.08694	.20102
#1	5816.4	44926.	12775.
#2	5828.5	44981.	12811.

Sample Name: ICSAB Acquired: 6/24/2014 8:09:13 Type: QC
 Method: 50ICP3 method build(v66) Mode: CONC Corr. Factor: 1.000000
 User: frw EPA 6010B: 50ICP3: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3130
Line	328.068 {103}	308.215 {109}	189.042 {478}	249.678 {135}	455.403 {74}	313.042 {108}
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	258.8	505500.	550.8	542.8	529.4	506.7
Stddev	2.0	1143.	8.2	1.0	2.0	.2
%RSD	.7612	.2260	1.480	.1777	.3691	.0449
#1	260.2	504700.	545.0	543.5	530.8	506.5
#2	257.4	506300.	556.6	542.1	528.0	506.8
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca3158	Cd2288	Co2286	Cr2677	Cu3247	Fe2714
Line	315.887 {107}	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}
IS Ref	(Y_3600)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	466000.	555.0	508.4	494.8	530.8	197600.
Stddev	485.	1.9	1.1	1.6	5.1	39.
%RSD	.1040	.3431	.2185	.3144	.9554	.0196
#1	465600.	556.3	509.2	493.7	527.2	197600.
#2	466300.	553.6	507.6	495.9	534.3	197600.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: ICSAB Acquired: 6/24/2014 8:09:13 Type: QC
 Method: 50ICP3 method build(v66) Mode: CONC Corr. Factor: 1.000000
 User: frw EPA 6010B: 50ICP3: Custom ID3:
 Comment:

Elem	K_7664	Mg2790	Mn2576	Mo2020	Ni2316	Pb2203
Line	766.490 {44}	279.079 {121}	257.610 {131}	202.030 {467}	231.604 {446}	220.353 {453}
IS Ref	(Y_3710)	(Y_3600)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-158.8	539200.	529.3	526.0	492.6	518.0
Stddev	1.9	373.	.3	2.6	.8	2.8
%RSD	1.203	.0692	.0588	.4897	.1596	.5420
#1	-160.2	538900.	529.0	527.8	493.2	520.0
#2	-157.5	539400.	529.5	524.2	492.1	516.0
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sb2068	Se1960	Si2881	Sn1899	Ti3372	Tl1908
Line	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	337.280 {100}	190.856 {477}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	525.2	512.0	2428.	523.8	537.6	517.8
Stddev	1.2	4.9	1.	1.7	1.2	.1
%RSD	.2371	.9655	.0563	.3202	.2228	.0167
#1	526.1	515.5	2427.	525.0	536.8	517.7
#2	524.3	508.5	2429.	522.6	538.4	517.9
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: ICSAB Acquired: 6/24/2014 8:09:13 Type: QC
 Method: 50ICP3 method build(v66) Mode: CONC Corr. Factor: 1.000000
 User: frw EPA 6010B: 50ICP3: Custom ID3:
 Comment:

Elem	V_2924	Zn2062	Na5895	Sr4077	P_1774
Line	292.464 {115}	206.200 {463}	589.592 { 57}	407.771 { 83}	177.495 {490}
IS Ref	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb
Avg	534.3	497.2	68.59	520.0	567.7
Stddev	4.6	2.5	4.98	1.4	1.8
%RSD	.8521	.4931	7.265	.2724	.3097
#1	531.1	498.9	72.12	521.0	566.4
#2	537.5	495.5	65.07	519.0	568.9
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	5788.4	44922.	12809.
Stddev	4.8	51.	22.
%RSD	.08309	.11305	.17329
#1	5791.8	44886.	12794.
#2	5785.0	44958.	12825.

Sample Name: CCV Acquired: 6/24/2014 8:33:29 Type: QC
 Method: 50ICP3 method build(v66) Mode: CONC Corr. Factor: 1.000000
 User: frw EPA 6010B: 50ICP3: Custom ID3:
 Comment:

Elem Line	Ag3280 328.068 {103}	Al3082 308.215 {109}	As1890 189.042 {478}	B_2496 249.678 {135}	Ba4554 455.403 { 74}	Be3130 313.042 {108}
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	473.7	9722.	1005.	1006.	976.7	990.6
Stddev	2.4	4.	3.	3.	1.7	1.6
%RSD	.4987	.0410	.3339	.2703	.1784	.1659
#1	472.1	9720.	1003.	1004.	975.5	991.8
#2	475.4	9725.	1008.	1008.	977.9	989.5
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range						

Elem Line	Ca3158 315.887 {107}	Cd2288 228.802 {447}	Co2286 228.616 {447}	Cr2677 267.716 {126}	Cu3247 324.754 {104}	Fe2714 271.441 {124}
IS Ref	(Y_3600)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	9720.	990.5	990.1	970.8	953.6	9877.
Stddev	22.	.5	.5	2.4	.9	3.
%RSD	.2283	.0519	.0468	.2518	.0896	.0299
#1	9704.	990.9	990.4	972.5	953.0	9879.
#2	9736.	990.2	989.7	969.1	954.2	9875.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range						

Sample Name: CCV Acquired: 6/24/2014 8:33:29 Type: QC
 Method: 50ICP3 method build(v66) Mode: CONC Corr. Factor: 1.000000
 User: frw EPA 6010B: 50ICP3: Custom ID3:
 Comment:

Elem	K_7664	Mg2790	Mn2576	Mo2020	Ni2316	Pb2203
Line	766.490 {44}	279.079 {121}	257.610 {131}	202.030 {467}	231.604 {446}	220.353 {453}
IS Ref	(Y_3710)	(Y_3600)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	9666.	9950.	988.2	1020.	973.3	978.9
Stddev	21.	19.	3.0	6.	1.9	3.1
%RSD	.2209	.1950	.3000	.5431	.1923	.3191

#1	9681.	9936.	986.1	1024.	974.7	976.7
#2	9651.	9964.	990.2	1016.	972.0	981.1

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Sb2068	Se1960	Si2881	Sn1899	Ti3372	Tl1908
Line	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	337.280 {100}	190.856 {477}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1011.	985.5	4581.	1003.	1012.	983.9
Stddev	1.	2.2	29.	1.	1.	.7
%RSD	.0638	.2225	.6330	.0713	.1414	.0703

#1	1010.	987.1	4561.	1002.	1011.	984.4
#2	1011.	984.0	4602.	1003.	1013.	983.4

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 6/24/2014 8:33:29 Type: QC
 Method: 50ICP3 method build(v66) Mode: CONC Corr. Factor: 1.000000
 User: frw EPA 6010B: 50ICP3: Custom ID3:
 Comment:

Elem	V_2924	Zn2062	Na5895	Sr4077	P_1774
Line	292.464 {115}	206.200 {463}	589.592 { 57}	407.771 { 83}	177.495 {490}
IS Ref	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb
Avg	1014.	985.3	9621.	964.0	1026.
Stddev	4.	.2	3.	1.1	3.
%RSD	.3546	.0205	.0354	.1094	.2647

#1	1012.	985.4	9619.	963.3	1028.
#2	1017.	985.1	9623.	964.8	1025.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	6403.5	48308.	13534.
Stddev	3.2	62.	15.
%RSD	.05050	.12888	.11352

#1	6401.2	48352.	13524.
#2	6405.8	48264.	13545.

Sample Name: CCB Acquired: 6/24/2014 8:35:31 Type: QC
 Method: 50ICP3 method build(v66) Mode: CONC Corr. Factor: 1.000000
 User: frw EPA 6010B: 50ICP3: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3130
Line	328.068 {103}	308.215 {109}	189.042 {478}	249.678 {135}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.383	1.680	2.090	3.547	-.0260	.0139
Stddev	.420	2.646	1.161	.184	.0759	.0467
%RSD	30.39	157.5	55.55	5.189	292.0	334.8
#1	1.680	3.551	2.911	3.417	-.0797	.0470
#2	1.086	-.1912	1.269	3.677	.0277	-.0191
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca3158	Cd2288	Co2286	Cr2677	Cu3247	Fe2714
Line	315.887 {107}	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}
IS Ref	(Y_3600)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-10.67	.0648	.3328	-.2630	1.315	17.68
Stddev	.51	.0900	.1644	.7735	.093	2.60
%RSD	4.808	138.9	49.41	294.1	7.062	14.71
#1	-11.03	.0012	.4491	-.8099	1.249	19.51
#2	-10.31	.1284	.2165	.2840	1.380	15.84
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 6/24/2014 8:35:31 Type: QC
 Method: 50ICP3 method build(v66) Mode: CONC Corr. Factor: 1.000000
 User: frw EPA 6010B: 50ICP3: Custom ID3:
 Comment:

Elem	K_7664	Mg2790	Mn2576	Mo2020	Ni2316	Pb2203
Line	766.490 {44}	279.079 {121}	257.610 {131}	202.030 {467}	231.604 {446}	220.353 {453}
IS Ref	(Y_3710)	(Y_3600)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	28.43	5.527	-0.5302	8.988	.1871	-1.148
Stddev	7.65	8.794	.0329	.901	.3919	.240
%RSD	26.92	159.1	6.209	10.03	209.4	20.94

#1	33.84	-0.6920	-0.5069	8.351	-0.0900	-1.318
#2	23.02	11.75	-0.5534	9.625	.4643	-0.9779

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sb2068	Se1960	Si2881	Sn1899	Ti3372	Tl1908
Line	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	337.280 {100}	190.856 {477}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3.489	.4498	1.309	2.796	1.547	1.021
Stddev	.705	.3141	4.379	.849	.329	1.633
%RSD	20.20	69.84	334.6	30.37	21.26	159.9

#1	2.990	.2276	-1.787	2.196	1.314	-1.337
#2	3.987	.6719	4.405	3.396	1.779	2.176

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 6/24/2014 8:35:31 Type: QC
 Method: 50ICP3 method build(v66) Mode: CONC Corr. Factor: 1.000000
 User: frw EPA 6010B: 50ICP3: Custom ID3:
 Comment:

Elem	V_2924	Zn2062	Na5895	Sr4077	P_1774
Line	292.464 {115}	206.200 {463}	589.592 { 57}	407.771 { 83}	177.495 {490}
IS Ref	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb
Avg	1.131	-1.131	20.09	.0679	-1.223
Stddev	.796	.105	4.60	.0049	1.855
%RSD	70.39	9.300	22.91	7.230	151.6

#1	1.694	-1.205	23.35	.0714	-2.535
#2	.5681	-1.056	16.84	.0645	.0883

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	6474.8	48751.	13527.
Stddev	19.7	6.	15.
%RSD	.30419	.01151	.11270

#1	6460.9	48748.	13538.
#2	6488.7	48755.	13517.

Sample Name: CCV Acquired: 6/24/2014 10:17:26 Type: QC
 Method: 50ICP3 method build(v66) Mode: CONC Corr. Factor: 1.000000
 User: frw EPA 6010B: 50ICP3: Custom ID3:
 Comment:

Elem Line	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3130
IS Ref	328.068 {103}	308.215 {109}	189.042 {478}	249.678 {135}	455.403 { 74}	313.042 {108}
Units	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3710)
Avg	ppb	ppb	ppb	ppb	ppb	ppb
Stddev	470.0	9703.	997.7	996.7	974.3	952.9
%RSD	2.2	10.	.4	3.7	.7	2.7
	.4603	.1016	.0414	.3692	.0727	.2860

#1	468.5	9696.	997.5	994.1	973.8	951.0
#2	471.5	9710.	998.0	999.3	974.8	954.9

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range						

Elem Line	Ca3158	Cd2288	Co2286	Cr2677	Cu3247	Fe2714
IS Ref	315.887 {107}	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}
Units	(Y_3600)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)
Avg	ppb	ppb	ppb	ppb	ppb	ppb
Stddev	9786.	971.3	972.3	949.4	945.7	9952.
%RSD	14.	.2	1.2	2.5	8.2	59.
	.1428	.0182	.1198	.2659	.8697	.5951

#1	9776.	971.2	971.4	947.6	951.5	9910.
#2	9796.	971.4	973.1	951.2	939.8	9994.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range						

Sample Name: CCV Acquired: 6/24/2014 10:17:26 Type: QC
 Method: 50ICP3 method build(v66) Mode: CONC Corr. Factor: 1.000000
 User: frw EPA 6010B: 50ICP3: Custom ID3:
 Comment:

Elem	K_7664	Mg2790	Mn2576	Mo2020	Ni2316	Pb2203
Line	766.490 {44}	279.079 {121}	257.610 {131}	202.030 {467}	231.604 {446}	220.353 {453}
IS Ref	(Y_3710)	(Y_3600)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	9484.	9824.	981.9	1007.	960.4	971.3
Stddev	5.	6.	1.9	2.	.7	5.9
%RSD	.0564	.0624	.1959	.1598	.0768	.6024

#1	9480.	9829.	980.6	1008.	959.9	967.2
#2	9487.	9820.	983.3	1006.	961.0	975.5

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Sb2068	Se1960	Si2881	Sn1899	Ti3372	Tl1908
Line	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	337.280 {100}	190.856 {477}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	990.2	973.8	4585.	986.4	997.9	966.7
Stddev	2.5	2.7	29.	3.4	2.4	3.5
%RSD	.2495	.2797	.6417	.3490	.2434	.3622

#1	991.9	971.9	4564.	984.0	996.2	964.3
#2	988.4	975.7	4605.	988.8	999.6	969.2

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 6/24/2014 10:17:26 Type: QC
 Method: 50ICP3 method build(v66) Mode: CONC Corr. Factor: 1.000000
 User: frw EPA 6010B: 50ICP3: Custom ID3:
 Comment:

Elem	V_2924	Zn2062	Na5895	Sr4077	P_1774
Line	292.464 {115}	206.200 {463}	589.592 { 57}	407.771 { 83}	177.495 {490}
IS Ref	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb
Avg	1015.	962.2	9551.	958.8	1002.
Stddev	2.	1.8	10.	2.4	3.
%RSD	.2304	.1824	.1044	.2534	.2562

#1	1016.	961.0	9544.	957.1	1000.
#2	1013.	963.4	9558.	960.5	1004.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	6450.8	48122.	13521.
Stddev	7.7	32.	81.
%RSD	.11960	.06577	.60208

#1	6445.3	48100.	13464.
#2	6456.2	48145.	13579.

Sample Name: CCB Acquired: 6/24/2014 10:19:19 Type: QC
 Method: 50ICP3 method build(v66) Mode: CONC Corr. Factor: 1.000000
 User: frw EPA 6010B: 50ICP3: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3130
Line	328.068 {103}	308.215 {109}	189.042 {478}	249.678 {135}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.772	5.724	1.628	2.520	.0356	.1065
Stddev	.241	6.879	.685	.498	.0328	.0349
%RSD	13.61	120.2	42.11	19.76	92.09	32.80

#1	-1.602	.8601	1.143	2.872	.0588	.1312
#2	-1.943	10.59	2.112	2.168	.0124	.0818

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca3158	Cd2288	Co2286	Cr2677	Cu3247	Fe2714
Line	315.887 {107}	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}
IS Ref	(Y_3600)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4.584	.0365	.3086	-1.177	2.085	36.51
Stddev	1.369	.0937	.1929	1.203	2.267	7.42
%RSD	29.86	256.8	62.52	102.2	108.7	20.33

#1	3.616	.1028	.1722	-.3260	.4817	41.75
#2	5.552	-.0298	.4450	-2.027	3.688	31.26

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 6/24/2014 10:19:19 Type: QC
 Method: 50ICP3 method build(v66) Mode: CONC Corr. Factor: 1.000000
 User: frw EPA 6010B: 50ICP3: Custom ID3:
 Comment:

Elem	K_7664	Mg2790	Mn2576	Mo2020	Ni2316	Pb2203
Line	766.490 {44}	279.079 {121}	257.610 {131}	202.030 {467}	231.604 {446}	220.353 {453}
IS Ref	(Y_3710)	(Y_3600)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	51.47	6.894	-.2519	8.210	-.1348	.6546
Stddev	14.14	3.965	.0091	1.082	.4708	.9276
%RSD	27.47	57.51	3.606	13.18	349.2	141.7

#1	61.47	9.697	-.2583	7.445	.1981	-.0013
#2	41.47	4.090	-.2455	8.976	-.4677	1.311

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sb2068	Se1960	Si2881	Sn1899	Ti3372	Tl1908
Line	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	337.280 {100}	190.856 {477}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.986	.2507	-.4152	3.105	1.278	.7039
Stddev	.223	1.445	1.033	1.511	.167	.2686
%RSD	7.480	576.4	248.9	48.66	13.09	38.16

#1	3.144	1.272	-1.146	2.037	1.159	.5139
#2	2.828	-.7711	.3156	4.174	1.396	.8938

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 6/24/2014 10:19:19 Type: QC
 Method: 50ICP3 method build(v66) Mode: CONC Corr. Factor: 1.000000
 User: frw EPA 6010B: 50ICP3: Custom ID3:
 Comment:

Elem	V_2924	Zn2062	Na5895	Sr4077	P_1774
Line	292.464 {115}	206.200 {463}	589.592 { 57}	407.771 { 83}	177.495 {490}
IS Ref	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb
Avg	1.249	-1.014	24.78	.0075	-.7222
Stddev	1.158	.044	3.71	.0121	.5558
%RSD	92.72	4.310	14.97	161.1	76.96
#1	.4302	-1.045	27.40	.0161	-.3292
#2	2.068	-.9835	22.15	-.0010	-1.115

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	6517.5	48836.	13510.
Stddev	3.3	95.	60.
%RSD	.05139	.19460	.44678
#1	6515.2	48769.	13467.
#2	6519.9	48904.	13553.

Sample Name: 1115936_15864 Acquired: 6/24/2014 10:25:37 Type: Unk
 Method: 50ICP3 method build(v66) Mode: CONC Corr. Factor: 1.000000
 User: frw EPA 6010B: 50ICP3: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3130
Line	328.068 {103}	308.215 {109}	189.042 {478}	249.678 {135}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-4334	43.36	-3251	1.566	.4700	.1259
Stddev	1.073	3.40	1.009	.553	.0623	.0837
%RSD	247.5	7.831	310.3	35.31	13.26	66.45
#1	.3251	40.95	-1.038	1.175	.5141	.1851
#2	-1.192	45.76	.3881	1.957	.4259	.0668
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca3158	Cd2288	Co2286	Cr2677	Cu3247	Fe2714
Line	315.887 {107}	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}
IS Ref	(Y_3600)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	260.8	.0909	.0571	-3.026	5.103	88.61
Stddev	3.3	.0660	.1854	.673	3.731	7.98
%RSD	1.281	72.57	325.0	22.24	73.10	9.006
#1	263.1	.0443	-.0740	-3.502	2.465	82.97
#2	258.4	.1376	.1882	-2.550	7.741	94.25
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 1115936_15864 Acquired: 6/24/2014 10:25:37 Type: Unk
 Method: 50ICP3 method build(v66) Mode: CONC Corr. Factor: 1.000000
 User: frw EPA 6010B: 50ICP3: Custom ID3:
 Comment:

Elem	K_7664	Mg2790	Mn2576	Mo2020	Ni2316	Pb2203
Line	766.490 {44}	279.079 {121}	257.610 {131}	202.030 {467}	231.604 {446}	220.353 {453}
IS Ref	(Y_3710)	(Y_3600)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	80.31	78.64	13.54	.3503	1.803	.4047
Stddev	4.35	2.45	.01	.3182	.356	.9196
%RSD	5.414	3.114	.0797	90.83	19.74	227.3
#1	77.24	80.37	13.55	.1253	2.055	1.055
#2	83.39	76.91	13.53	.5754	1.551	-.2456
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sb2068	Se1960	Si2881	Sn1899	Ti3372	Tl1908
Line	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	337.280 {100}	190.856 {477}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.5740	.1834	17.90	30.11	3.525	.6261
Stddev	.0187	.1249	.89	.69	.337	.0545
%RSD	3.254	68.11	4.977	2.308	9.567	8.711
#1	.5608	.0951	18.53	30.60	3.286	.5875
#2	.5872	.2717	17.27	29.62	3.763	.6646
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 1115936_15864 Acquired: 6/24/2014 10:25:37 Type: Unk
 Method: 50ICP3 method build(v66) Mode: CONC Corr. Factor: 1.000000
 User: frw EPA 6010B: 50ICP3: Custom ID3:
 Comment:

Elem	V_2924	Zn2062	Na5895	Sr4077	P_1774
Line	292.464 {115}	206.200 {463}	589.592 { 57}	407.771 { 83}	177.495 {490}
IS Ref	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb
Avg	1.308	23.56	121.5	.4335	27.40
Stddev	.584	.06	5.3	.0882	1.22
%RSD	44.63	.2449	4.370	20.35	4.449

#1	.8949	23.60	125.3	.4959	28.26
#2	1.720	23.52	117.8	.3711	26.54

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	6418.9	48310.	13587.
Stddev	13.8	177.	6.
%RSD	.21542	.36734	.04103

#1	6409.1	48185.	13583.
#2	6428.6	48436.	13591.

Sample Name: 1115937_15864 Acquired: 6/24/2014 10:27:44 Type: Unk
 Method: 50ICP3 method build(v66) Mode: CONC Corr. Factor: 1.000000
 User: frw EPA 6010B: 50ICP3: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3130
Line	328.068 {103}	308.215 {109}	189.042 {478}	249.678 {135}	455.403 {74}	313.042 {108}
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	481.4	9989.	1027.	982.6	1007.	991.3
Stddev	4.8	10.	2.	.3	2.	.6
%RSD	.9979	.0988	.2380	.0269	.1531	.0632
#1	484.8	9996.	1029.	982.8	1006.	991.7
#2	478.0	9982.	1025.	982.4	1008.	990.8
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca3158	Cd2288	Co2286	Cr2677	Cu3247	Fe2714
Line	315.887 {107}	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}
IS Ref	(Y_3600)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	10170.	994.1	998.4	991.6	984.7	10030.
Stddev	21.	.5	.5	13.9	.7	31.
%RSD	.2049	.0521	.0514	1.405	.0693	.3068
#1	10150.	993.7	998.0	981.8	985.2	10010.
#2	10180.	994.4	998.7	1001.	984.3	10050.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 1115937_15864 Acquired: 6/24/2014 10:27:44 Type: Unk
 Method: 50ICP3 method build(v66) Mode: CONC Corr. Factor: 1.000000
 User: frw EPA 6010B: 50ICP3: Custom ID3:
 Comment:

Elem	K_7664	Mg2790	Mn2576	Mo2020	Ni2316	Pb2203
Line	766.490 {44}	279.079 {121}	257.610 {131}	202.030 {467}	231.604 {446}	220.353 {453}
IS Ref	(Y_3710)	(Y_3600)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	9813.	10080.	1014.	1041.	989.4	1005.
Stddev	13.	30.	.	4.	.3	3.
%RSD	.1277	.2948	.0183	.4169	.0296	.3459
#1	9822.	10100.	1014.	1044.	989.6	1007.
#2	9804.	10060.	1015.	1037.	989.2	1002.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sb2068	Se1960	Si2881	Sn1899	Ti3372	Tl1908
Line	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	337.280 {100}	190.856 {477}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1003.	1011.	2936.	1033.	1021.	990.4
Stddev	.	3.	17.	4.	1.	4.7
%RSD	.0397	.2652	.5790	.3931	.1370	.4775
#1	1003.	1013.	2924.	1036.	1022.	993.8
#2	1003.	1009.	2948.	1030.	1020.	987.1
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 1115937_15864 Acquired: 6/24/2014 10:27:44 Type: Unk
 Method: 50ICP3 method build(v66) Mode: CONC Corr. Factor: 1.000000
 User: frw EPA 6010B: 50ICP3: Custom ID3:
 Comment:

Elem	V_2924	Zn2062	Na5895	Sr4077	P_1774
Line	292.464 {115}	206.200 {463}	589.592 { 57}	407.771 { 83}	177.495 {490}
IS Ref	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb
Avg	1034.	989.8	9912.	991.7	1051.
Stddev	1.	.5	20.	1.1	2.
%RSD	.0741	.0484	.2028	.1157	.2166
#1	1033.	990.1	9897.	990.9	1053.
#2	1034.	989.4	9926.	992.5	1050.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					
Int. Std.	Y_2243	Y_3600	Y_3710		
Line	224.306 {450}	360.073 { 94}	371.030 { 91}		
Units	Cts/S	Cts/S	Cts/S		
Avg	6388.0	47809.	13433.		
Stddev	4.7	55.	90.		
%RSD	.07431	.11456	.67287		
#1	6384.7	47770.	13369.		
#2	6391.4	47848.	13497.		

Sample Name: 5099688001_15864 Acquired: 6/24/2014 10:29:36 Type: Unk
 Method: 50ICP3 method build(v66) Mode: CONC Corr. Factor: 1.000000
 User: frw EPA 6010B: 50ICP3: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3130
Line	328.068 {103}	308.215 {109}	189.042 {478}	249.678 {135}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-2.304	26890.	35.37	28.76	96.55	.9116
Stddev	.737	14.	1.21	1.19	.42	.0280
%RSD	31.99	.0523	3.425	4.137	.4385	3.076
#1	-2.825	26900.	34.51	29.60	96.85	.8918
#2	-1.783	26880.	36.22	27.91	96.25	.9315
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca3158	Cd2288	Co2286	Cr2677	Cu3247	Fe2714
Line	315.887 {107}	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}
IS Ref	(Y_3600)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	F 524300.	.9813	27.37	57.82	70.34	65560.
Stddev	487.	.1306	.45	3.38	.99	51.
%RSD	.0929	13.31	1.639	5.853	1.406	.0771
#1	523900.	.8890	27.69	55.42	71.04	65600.
#2	524600.	1.074	27.05	60.21	69.64	65530.
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	200000.					
Low Limit	-1000.					

Sample Name: 5099688001_15864 Acquired: 6/24/2014 10:29:36 Type: Unk

Method: 50ICP3 method build(v66) Mode: CONC Corr. Factor: 1.000000

User: frw EPA 6010B: 50ICP3: Custom ID3:

Comment:

Elem	K_7664	Mg2790	Mn2576	Mo2020	Ni2316	Pb2203
Line	766.490 {44}	279.079 {121}	257.610 {131}	202.030 {467}	231.604 {446}	220.353 {453}
IS Ref	(Y_3710)	(Y_3600)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3419.	187700.	2471.	9.122	71.01	40.80
Stddev	9.	287.	1.	.609	.18	.94
%RSD	.2506	.1530	.0206	6.670	.2542	2.293

#1	3413.	187900.	2471.	8.692	70.88	41.46
#2	3425.	187500.	2470.	9.552	71.14	40.14

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sb2068	Se1960	Si2881	Sn1899	Ti3372	Tl1908
Line	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	337.280 {100}	190.856 {477}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4.923	-1.504	3027.	32.75	1710.	38.47
Stddev	1.097	4.415	7.	.60	3.	1.92
%RSD	22.29	293.5	.2454	1.825	.1639	4.981

#1	4.147	-4.626	3022.	32.33	1709.	39.83
#2	5.699	1.617	3032.	33.17	1712.	37.12

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 5099688001_15864 Acquired: 6/24/2014 10:29:36 Type: Unk
 Method: 50ICP3 method build(v66) Mode: CONC Corr. Factor: 1.000000
 User: frw EPA 6010B: 50ICP3: Custom ID3:
 Comment:

Elem	V_2924	Zn2062	Na5895	Sr4077	P_1774
Line	292.464 {115}	206.200 {463}	589.592 { 57}	407.771 { 83}	177.495 {490}
IS Ref	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb
Avg	114.2	217.0	977.3	275.9	2482.
Stddev	1.0	.8	4.5	.4	10.
%RSD	.9075	.3499	.4585	.1473	.3996

#1	113.5	216.5	974.1	276.2	2475.
#2	115.0	217.6	980.5	275.6	2489.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	6103.0	47022.	13348.
Stddev	12.3	51.	24.
%RSD	.20185	.10779	.18035

#1	6111.7	46986.	13365.
#2	6094.3	47058.	13331.

Sample Name: 1115940_15864 Acquired: 6/24/2014 10:31:42 Type: Unk
 Method: 50ICP3 method build(v66) Mode: CONC Corr. Factor: 1.000000
 User: frw EPA 6010B: 50ICP3: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3130
Line	328.068 {103}	308.215 {109}	189.042 {478}	249.678 {135}	455.403 {74}	313.042 {108}
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	454.3	43930.	1057.	974.9	1057.	922.7
Stddev	4.9	30.	2.	2.1	.	.4
%RSD	1.073	.0688	.1581	.2200	.0334	.0399
#1	450.8	43910.	1058.	973.4	1058.	922.9
#2	457.7	43950.	1056.	976.4	1057.	922.4
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca3158	Cd2288	Co2286	Cr2677	Cu3247	Fe2714
Line	315.887 {107}	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}
IS Ref	(Y_3600)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	F 456700.	999.2	969.0	976.2	1010.	77780.
Stddev	2940.	3.3	1.3	.5	2.	110.
%RSD	.6437	.3300	.1342	.0555	.1900	.1411
#1	454600.	996.9	968.0	975.9	1009.	77700.
#2	458800.	1002.	969.9	976.6	1011.	77860.
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	200000.					
Low Limit	-1000.					

Sample Name: 1115940_15864 Acquired: 6/24/2014 10:31:42 Type: Unk
 Method: 50ICP3 method build(v66) Mode: CONC Corr. Factor: 1.000000
 User: frw EPA 6010B: 50ICP3: Custom ID3:
 Comment:

Elem	K_7664	Mg2790	Mn2576	Mo2020	Ni2316	Pb2203
Line	766.490 {44}	279.079 {121}	257.610 {131}	202.030 {467}	231.604 {446}	220.353 {453}
IS Ref	(Y_3710)	(Y_3600)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	14980.	158900.	3348.	978.3	991.7	1002.
Stddev	8.	195.	7.	2.2	.1	2.
%RSD	.0520	.1229	.2074	.2202	.0123	.2394
#1	14970.	158800.	3343.	979.8	991.8	1001.
#2	14980.	159000.	3352.	976.8	991.6	1004.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sb2068	Se1960	Si2881	Sn1899	Ti3372	Tl1908
Line	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	337.280 {100}	190.856 {477}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	753.9	1030.	4750.	977.4	2762.	995.5
Stddev	.1	4.	1.	1.2	4.	.8
%RSD	.0097	.3930	.0254	.1194	.1390	.0852
#1	753.9	1027.	4749.	976.6	2760.	996.1
#2	753.8	1033.	4751.	978.2	2765.	994.9
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 1115940_15864 Acquired: 6/24/2014 10:31:42 Type: Unk
 Method: 50ICP3 method build(v66) Mode: CONC Corr. Factor: 1.000000
 User: frw EPA 6010B: 50ICP3: Custom ID3:
 Comment:

Elem	V_2924	Zn2062	Na5895	Sr4077	P_1774
Line	292.464 {115}	206.200 {463}	589.592 { 57}	407.771 { 83}	177.495 {490}
IS Ref	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb
Avg	1087.	1113.	10770.	1217.	2916.
Stddev	.	1.	7.	1.	7.
%RSD	.0419	.1148	.0688	.0606	.2443
#1	1087.	1113.	10770.	1216.	2911.
#2	1088.	1114.	10780.	1217.	2921.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					
Int. Std.	Y_2243	Y_3600	Y_3710		
Line	224.306 {450}	360.073 { 94}	371.030 { 91}		
Units	Cts/S	Cts/S	Cts/S		
Avg	6100.6	46826.	13511.		
Stddev	13.6	8.	49.		
%RSD	.22311	.01694	.36025		
#1	6110.2	46820.	13477.		
#2	6091.0	46831.	13546.		

Sample Name: 1116286_15864 Acquired: 6/24/2014 10:35:40 Type: Unk
 Method: 50ICP3 method build(v66) Mode: CONC Corr. Factor: 1.000000
 User: frw EPA 6010B: 50ICP3: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3130
Line	328.068 {103}	308.215 {109}	189.042 {478}	249.678 {135}	455.403 {74}	313.042 {108}
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	436.2	36960.	1069.	1072.	1065.	943.5
Stddev	2.4	30.	4.	2.	5.	.2
%RSD	.5501	.0810	.3297	.1888	.4803	.0229
#1	437.9	36940.	1072.	1071.	1069.	943.4
#2	434.5	36980.	1067.	1073.	1062.	943.7
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca3158	Cd2288	Co2286	Cr2677	Cu3247	Fe2714
Line	315.887 {107}	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}
IS Ref	(Y_3600)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	F 524000.	1020.	975.1	980.7	1021.	73810.
Stddev	3451.	4.	7.8	4.7	3.	190.
%RSD	.6587	.3578	.7965	.4792	.2582	.2568
#1	521500.	1023.	980.6	984.0	1020.	73680.
#2	526400.	1018.	969.6	977.4	1023.	73940.
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	200000.					
Low Limit	-1000.					

Sample Name: 1116286_15864 Acquired: 6/24/2014 10:35:40 Type: Unk
 Method: 50ICP3 method build(v66) Mode: CONC Corr. Factor: 1.000000
 User: frw EPA 6010B: 50ICP3: Custom ID3:
 Comment:

Elem	K_7664	Mg2790	Mn2576	Mo2020	Ni2316	Pb2203
Line	766.490 {44}	279.079 {121}	257.610 {131}	202.030 {467}	231.604 {446}	220.353 {453}
IS Ref	(Y_3710)	(Y_3600)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	13340.	194800.	3365.	1009.	1002.	1018.
Stddev	3.	506.	11.	9.	7.	6.
%RSD	.0199	.2597	.3244	.8677	.7216	.5920
#1	13340.	194500.	3357.	1015.	1007.	1022.
#2	13330.	195200.	3373.	1003.	996.5	1013.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sb2068	Se1960	Si2881	Sn1899	Ti3372	Tl1908
Line	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	337.280 {100}	190.856 {477}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1023.	1086.	7643.	1008.	2675.	1012.
Stddev	9.	3.	50.	9.	3.	6.
%RSD	.8324	.3093	.6498	.9244	.1103	.5751
#1	1029.	1088.	7607.	1015.	2673.	1016.
#2	1017.	1083.	7678.	1002.	2677.	1008.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 1116286_15864 Acquired: 6/24/2014 10:35:40 Type: Unk
 Method: 50ICP3 method build(v66) Mode: CONC Corr. Factor: 1.000000
 User: frw EPA 6010B: 50ICP3: Custom ID3:
 Comment:

Elem	V_2924	Zn2062	Na5895	Sr4077	P_1774
Line	292.464 {115}	206.200 {463}	589.592 { 57}	407.771 { 83}	177.495 {490}
IS Ref	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb
Avg	1109.	1101.	10950.	1225.	3511.
Stddev	5.	4.	19.	7.	25.
%RSD	.4777	.3754	.1706	.5603	.7046

#1	1105.	1104.	10960.	1229.	3528.
#2	1113.	1098.	10940.	1220.	3493.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	6056.1	46803.	13244.
Stddev	10.1	176.	84.
%RSD	.16660	.37672	.63730

#1	6049.0	46927.	13184.
#2	6063.3	46678.	13303.

Sample Name: 1116287_15864 Acquired: 6/24/2014 10:37:39 Type: Unk
 Method: 50ICP3 method build(v66) Mode: CONC Corr. Factor: 1.000000
 User: frw EPA 6010B: 50ICP3: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3130
Line	328.068 {103}	308.215 {109}	189.042 {478}	249.678 {135}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.1905	5102.	7.343	9.177	20.49	.1675
Stddev	3.107	2.	.496	.037	.09	.0231
%RSD	1630.	.0472	6.751	.4000	.4160	13.80
#1	2.387	5103.	6.993	9.203	20.43	.1838
#2	-2.006	5100.	7.694	9.151	20.55	.1511
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca3158	Cd2288	Co2286	Cr2677	Cu3247	Fe2714
Line	315.887 {107}	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}
IS Ref	(Y_3600)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	115100.	.4637	5.654	7.200	16.87	13570.
Stddev	170.	.0237	.030	1.045	.52	16.
%RSD	.1475	5.116	.5375	14.51	3.056	.1173
#1	115000.	.4804	5.632	6.461	16.51	13590.
#2	115300.	.4469	5.675	7.939	17.24	13560.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 1116287_15864 Acquired: 6/24/2014 10:37:39 Type: Unk
 Method: 50ICP3 method build(v66) Mode: CONC Corr. Factor: 1.000000
 User: frw EPA 6010B: 50ICP3: Custom ID3:
 Comment:

Elem	K_7664	Mg2790	Mn2576	Mo2020	Ni2316	Pb2203
Line	766.490 {44}	279.079 {121}	257.610 {131}	202.030 {467}	231.604 {446}	220.353 {453}
IS Ref	(Y_3710)	(Y_3600)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	698.5	36430.	513.8	12.56	14.98	7.347
Stddev	.2	18.	.8	1.37	.25	.538
%RSD	.0280	.0503	.1652	10.87	1.649	7.324

#1	698.4	36450.	514.4	11.59	15.16	6.967
#2	698.7	36420.	513.2	13.52	14.81	7.728

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sb2068	Se1960	Si2881	Sn1899	Ti3372	Tl1908
Line	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	337.280 {100}	190.856 {477}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	12.03	.8281	610.6	10.79	353.3	7.667
Stddev	.34	.5445	7.6	.27	.6	.483
%RSD	2.790	65.75	1.239	2.527	.1627	6.305

#1	11.79	1.213	616.0	10.60	352.9	8.009
#2	12.27	.4431	605.3	10.98	353.7	7.325

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 1116287_15864 Acquired: 6/24/2014 10:37:39 Type: Unk
 Method: 50ICP3 method build(v66) Mode: CONC Corr. Factor: 1.000000
 User: frw EPA 6010B: 50ICP3: Custom ID3:
 Comment:

Elem	V_2924	Zn2062	Na5895	Sr4077	P_1774
Line	292.464 {115}	206.200 {463}	589.592 { 57}	407.771 { 83}	177.495 {490}
IS Ref	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb
Avg	31.80	45.14	214.2	56.19	478.7
Stddev	.54	.11	5.9	.04	1.8
%RSD	1.703	.2534	2.757	.0762	.3659

#1	32.18	45.06	210.0	56.22	479.9
#2	31.42	45.22	218.3	56.16	477.4

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	6306.9	47792.	13305.
Stddev	2.1	119.	22.
%RSD	.03356	.24797	.16217

#1	6305.4	47876.	13290.
#2	6308.4	47708.	13320.

Sample Name: 5099688002_15864 Acquired: 6/24/2014 10:39:42 Type: Unk
 Method: 50ICP3 method build(v66) Mode: CONC Corr. Factor: 1.000000
 User: frw EPA 6010B: 50ICP3: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3130
Line	328.068 {103}	308.215 {109}	189.042 {478}	249.678 {135}	455.403 {74}	313.042 {108}
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-3.576	83320.	46.76	28.96	534.5	2.842
Stddev	.761	617.	1.40	.12	.7	.102
%RSD	21.28	.7404	2.999	.4250	.1216	3.592
#1	-4.114	82880.	45.77	28.87	535.0	2.770
#2	-3.038	83750.	47.75	29.05	534.0	2.915
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca3158	Cd2288	Co2286	Cr2677	Cu3247	Fe2714
Line	315.887 {107}	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}
IS Ref	(Y_3600)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	97520.	1.162	51.58	172.2	100.7	171700.
Stddev	657.	.031	.05	1.4	3.0	1387.
%RSD	.6734	2.633	.0932	.7938	2.972	.8078
#1	97050.	1.141	51.61	173.1	98.60	170800.
#2	97980.	1.184	51.54	171.2	102.8	172700.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 5099688002_15864 Acquired: 6/24/2014 10:39:42 Type: Unk
 Method: 50ICP3 method build(v66) Mode: CONC Corr. Factor: 1.000000
 User: frw EPA 6010B: 50ICP3: Custom ID3:
 Comment:

Elem	K_7664	Mg2790	Mn2576	Mo2020	Ni2316	Pb2203
Line	766.490 {44}	279.079 {121}	257.610 {131}	202.030 {467}	231.604 {446}	220.353 {453}
IS Ref	(Y_3710)	(Y_3600)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	6455.	48580.	6521.	5.652	125.6	176.3
Stddev	43.	399.	51.	.259	.5	.2
%RSD	.6630	.8217	.7818	4.586	.3869	.1303
#1	6486.	48300.	6485.	5.468	125.3	176.5
#2	6425.	48870.	6557.	5.835	126.0	176.2
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sb2068	Se1960	Si2881	Sn1899	Ti3372	Tl1908
Line	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	337.280 {100}	190.856 {477}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4.042	-3.920	5510.	36.27	2752.	55.37
Stddev	.036	.749	37.	.23	23.	.46
%RSD	.8822	19.10	.6661	.6228	.8214	.8287
#1	4.067	-4.449	5484.	36.11	2736.	55.69
#2	4.017	-3.391	5536.	36.43	2768.	55.04
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 5099688002_15864 Acquired: 6/24/2014 10:39:42 Type: Unk
 Method: 50ICP3 method build(v66) Mode: CONC Corr. Factor: 1.000000
 User: frw EPA 6010B: 50ICP3: Custom ID3:
 Comment:

Elem	V_2924	Zn2062	Na5895	Sr4077	P_1774
Line	292.464 {115}	206.200 {463}	589.592 { 57}	407.771 { 83}	177.495 {490}
IS Ref	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb
Avg	224.1	424.1	1034.	116.9	3891.
Stddev	2.5	1.4	6.	.3	3.
%RSD	1.131	.3370	.5623	.2437	.0820

#1	222.3	425.1	1030.	117.1	3888.
#2	225.9	423.1	1038.	116.7	3893.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	6500.5	48890.	13864.
Stddev	15.4	195.	29.
%RSD	.23752	.39815	.21133

#1	6489.6	49028.	13843.
#2	6511.5	48752.	13885.

Sample Name: CCV Acquired: 6/24/2014 10:41:43 Type: QC
 Method: 50ICP3 method build(v66) Mode: CONC Corr. Factor: 1.000000
 User: frw EPA 6010B: 50ICP3: Custom ID3:
 Comment:

Elem Line	Ag3280 328.068 {103}	Al3082 308.215 {109}	As1890 189.042 {478}	B_2496 249.678 {135}	Ba4554 455.403 { 74}	Be3130 313.042 {108}
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	467.1	9745.	1002.	1006.	977.1	956.8
Stddev	1.0	41.	2.	.	.6	5.5
%RSD	.2046	.4255	.2062	.0056	.0652	.5750
#1	467.8	9774.	1001.	1006.	977.6	952.9
#2	466.5	9715.	1004.	1006.	976.7	960.6
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range						

Elem Line	Ca3158 315.887 {107}	Cd2288 228.802 {447}	Co2286 228.616 {447}	Cr2677 267.716 {126}	Cu3247 324.754 {104}	Fe2714 271.441 {124}
IS Ref	(Y_3600)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	9828.	977.0	979.6	972.6	949.7	9975.
Stddev	7.	.7	.4	13.2	5.3	68.
%RSD	.0719	.0759	.0452	1.355	.5560	.6840
#1	9833.	976.4	979.9	963.3	945.9	10020.
#2	9823.	977.5	979.2	981.9	953.4	9927.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range						

Sample Name: CCV Acquired: 6/24/2014 10:41:43 Type: QC
 Method: 50ICP3 method build(v66) Mode: CONC Corr. Factor: 1.000000
 User: frw EPA 6010B: 50ICP3: Custom ID3:
 Comment:

Elem	K_7664	Mg2790	Mn2576	Mo2020	Ni2316	Pb2203
Line	766.490 {44}	279.079 {121}	257.610 {131}	202.030 {467}	231.604 {446}	220.353 {453}
IS Ref	(Y_3710)	(Y_3600)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	9555.	9903.	989.4	1014.	965.2	971.7
Stddev	50.	41.	2.4	4.	1.1	6.2
%RSD	.5186	.4096	.2463	.4220	.1184	.6347

#1	9520.	9932.	991.1	1017.	964.4	976.1
#2	9590.	9874.	987.6	1011.	966.1	967.4

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Sb2068	Se1960	Si2881	Sn1899	Ti3372	Tl1908
Line	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	337.280 {100}	190.856 {477}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1002.	976.8	4600.	999.3	1006.	976.3
Stddev	1.	2.2	15.	1.5	1.	3.0
%RSD	.1075	.2258	.3156	.1468	.0659	.3102

#1	1001.	978.4	4589.	1000.	1007.	974.2
#2	1003.	975.3	4610.	998.3	1006.	978.4

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 6/24/2014 10:41:43 Type: QC
 Method: 50ICP3 method build(v66) Mode: CONC Corr. Factor: 1.000000
 User: frw EPA 6010B: 50ICP3: Custom ID3:
 Comment:

Elem	V_2924	Zn2062	Na5895	Sr4077	P_1774
Line	292.464 {115}	206.200 {463}	589.592 { 57}	407.771 { 83}	177.495 {490}
IS Ref	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb
Avg	1025.	967.1	9592.	962.4	1013.
Stddev	2.	2.0	17.	.7	1.
%RSD	.1860	.2097	.1809	.0700	.1169
#1	1024.	965.7	9579.	962.9	1012.
#2	1027.	968.6	9604.	961.9	1013.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					
Int. Std.	Y_2243	Y_3600	Y_3710		
Line	224.306 {450}	360.073 { 94}	371.030 { 91}		
Units	Cts/S	Cts/S	Cts/S		
Avg	6400.5	47830.	13381.		
Stddev	6.8	81.	14.		
%RSD	.10576	.16959	.10740		
#1	6395.7	47773.	13371.		
#2	6405.2	47888.	13391.		

Sample Name: CCB Acquired: 6/24/2014 10:43:38 Type: QC
 Method: 50ICP3 method build(v66) Mode: CONC Corr. Factor: 1.000000
 User: frw EPA 6010B: 50ICP3: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3130
Line	328.068 {103}	308.215 {109}	189.042 {478}	249.678 {135}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.832	6.756	2.186	2.455	.1368	.1135
Stddev	2.072	4.983	.258	1.676	.1083	.0632
%RSD	113.1	73.77	11.79	68.30	79.16	55.70
#1	-3.297	3.232	2.368	3.640	.2133	.1582
#2	-3.666	10.28	2.003	1.269	.0602	.0688
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca3158	Cd2288	Co2286	Cr2677	Cu3247	Fe2714
Line	315.887 {107}	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}
IS Ref	(Y_3600)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-5.806	.0912	.1890	2.065	2.447	18.64
Stddev	1.288	.1350	.1175	3.624	2.470	8.98
%RSD	22.19	147.9	62.18	175.5	100.9	48.18
#1	-6.717	-.0042	.1059	4.627	.7005	12.29
#2	-4.895	.1867	.2721	-4.978	4.194	24.99
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 6/24/2014 10:43:38 Type: QC
 Method: 50ICP3 method build(v66) Mode: CONC Corr. Factor: 1.000000
 User: frw EPA 6010B: 50ICP3: Custom ID3:
 Comment:

Elem	K_7664	Mg2790	Mn2576	Mo2020	Ni2316	Pb2203
Line	766.490 {44}	279.079 {121}	257.610 {131}	202.030 {467}	231.604 {446}	220.353 {453}
IS Ref	(Y_3710)	(Y_3600)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	52.10	1.594	-3.485	8.341	-3.646	-1.164
Stddev	4.14	1.633	.0362	1.035	.3128	.540
%RSD	7.945	102.5	10.40	12.40	85.79	46.42

#1	55.03	.4392	-.3228	7.609	-.1434	-.7820
#2	49.18	2.749	-.3741	9.072	-.5858	-1.546

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2881	Sn1899	Ti3372	Tl1908
Line	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	337.280 {100}	190.856 {477}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3.711	.4144	3.647	2.934	1.439	-.6286
Stddev	1.269	.2627	4.368	.474	.041	.4760
%RSD	34.19	63.40	119.8	16.15	2.848	75.73

#1	2.814	.6001	.5588	2.599	1.468	-.2920
#2	4.608	.2286	6.736	3.268	1.410	-.9652

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: CCB Acquired: 6/24/2014 10:43:38 Type: QC
 Method: 50ICP3 method build(v66) Mode: CONC Corr. Factor: 1.000000
 User: frw EPA 6010B: 50ICP3: Custom ID3:
 Comment:

Elem	V_2924	Zn2062	Na5895	Sr4077	P_1774
Line	292.464 {115}	206.200 {463}	589.592 { 57}	407.771 { 83}	177.495 {490}
IS Ref	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb
Avg	.2655	-1.128	18.39	.0202	-2.095
Stddev	.2208	.043	1.48	.0392	.729
%RSD	83.14	3.851	8.075	193.8	34.78

#1	.1094	-1.098	17.34	.0480	-2.610
#2	.4216	-1.159	19.44	-.0075	-1.580

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	6412.8	47856.	13255.
Stddev	11.9	18.	47.
%RSD	.18556	.03738	.35637

#1	6404.4	47843.	13222.
#2	6421.3	47868.	13288.

Sample Name: CRDL Acquired: 6/24/2014 10:45:45 Type: QC
 Method: 50ICP3 method build(v66) Mode: CONC Corr. Factor: 1.000000
 User: frw EPA 6010B: 50ICP3: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3130
Line	328.068 {103}	308.215 {109}	189.042 {478}	249.678 {135}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	8.703	211.4	12.28	116.2	10.69	4.309
Stddev	2.054	6.2	2.11	.7	.13	.071
%RSD	23.60	2.914	17.18	.6179	1.207	1.648
#1	7.251	207.0	13.77	115.7	10.78	4.359
#2	10.16	215.7	10.79	116.7	10.59	4.259
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca3158	Cd2288	Co2286	Cr2677	Cu3247	Fe2714
Line	315.887 {107}	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}
IS Ref	(Y_3600)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1114.	2.116	10.28	6.046	F 15.77	126.1
Stddev	.	.014	.27	2.050	.65	2.5
%RSD	.0069	.6460	2.658	33.91	4.130	1.956
#1	1114.	2.125	10.47	7.496	16.23	124.3
#2	1114.	2.106	10.08	4.596	15.31	127.8
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit					15.00	
Low Limit					5.000	

Sample Name: CRDL Acquired: 6/24/2014 10:45:45 Type: QC
 Method: 50ICP3 method build(v66) Mode: CONC Corr. Factor: 1.000000
 User: frw EPA 6010B: 50ICP3: Custom ID3:
 Comment:

Elem	K_7664	Mg2790	Mn2576	Mo2020	Ni2316	Pb2203
Line	766.490 {44}	279.079 {121}	257.610 {131}	202.030 {467}	231.604 {446}	220.353 {453}
IS Ref	(Y_3710)	(Y_3600)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1133.	1106.	11.08	12.03	10.51	9.734
Stddev	22.	8.	.11	.04	.12	.510
%RSD	1.942	.7459	1.004	.3578	1.152	5.236
#1	1149.	1100.	11.01	12.00	10.59	10.09
#2	1118.	1111.	11.16	12.06	10.42	9.374
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sb2068	Se1960	Si2881	Sn1899	Ti3372	Tl1908
Line	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	337.280 {100}	190.856 {477}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	8.231	9.702	210.6	12.78	11.07	9.705
Stddev	.332	.030	1.8	.45	.07	.663
%RSD	4.036	.3114	.8449	3.498	.6690	6.829
#1	7.996	9.723	211.8	12.46	11.02	10.17
#2	8.466	9.680	209.3	13.09	11.12	9.236
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CRDL Acquired: 6/24/2014 10:45:45 Type: QC
 Method: 50ICP3 method build(v66) Mode: CONC Corr. Factor: 1.000000
 User: frw EPA 6010B: 50ICP3: Custom ID3:
 Comment:

Elem	V_2924	Zn2062	Na5895	Sr4077	P_1774
Line	292.464 {115}	206.200 {463}	589.592 { 57}	407.771 { 83}	177.495 {490}
IS Ref	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb
Avg	11.62	21.19	1120.	10.14	1146.
Stddev	.12	.02	16.	.07	.
%RSD	1.034	.1168	1.432	.6556	.0113

#1	11.70	21.21	1131.	10.10	1146.
#2	11.53	21.17	1109.	10.19	1146.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	6415.8	47878.	13221.
Stddev	11.5	61.	56.
%RSD	.17989	.12719	.42141

#1	6407.6	47835.	13182.
#2	6423.9	47922.	13261.

Sample Name: 5099688003_15864 Acquired: 6/24/2014 10:47:51 Type: Unk

Method: 50ICP3 method build(v66) Mode: CONC Corr. Factor: 1.000000

User: frw EPA 6010B: 50ICP3: Custom ID3:

Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3130
Line	328.068 {103}	308.215 {109}	189.042 {478}	249.678 {135}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-3.493	37600.	65.09	90.06	147.4	1.049
Stddev	1.492	22.	1.27	.83	.9	.142
%RSD	42.71	.0596	1.956	.9179	.6309	13.54

#1	-4.548	37620.	64.19	90.65	146.8	.9483
#2	-2.438	37580.	65.99	89.48	148.1	1.149

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca3158	Cd2288	Co2286	Cr2677	Cu3247	Fe2714
Line	315.887 {107}	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}
IS Ref	(Y_3600)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	F 1135000.	1.273	38.65	108.5	111.0	110400.
Stddev	1909.	.103	.32	1.4	2.6	133.
%RSD	.1683	8.076	.8279	1.305	2.356	.1203

#1	1133000.	1.201	38.42	109.5	109.2	110500.
#2	1136000.	1.346	38.87	107.5	112.9	110300.

Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	200000.					
Low Limit	-1000.					

Sample Name: 5099688003_15864 Acquired: 6/24/2014 10:47:51 Type: Unk

Method: 50ICP3 method build(v66) Mode: CONC Corr. Factor: 1.000000

User: frw EPA 6010B: 50ICP3: Custom ID3:

Comment:

Elem	K_7664	Mg2790	Mn2576	Mo2020	Ni2316	Pb2203
Line	766.490 {44}	279.079 {121}	257.610 {131}	202.030 {467}	231.604 {446}	220.353 {453}
IS Ref	(Y_3710)	(Y_3600)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4375.	F 570300.	5941.	2.743	118.4	98.73
Stddev	13.	1298.	10.	.237	.1	1.19
%RSD	.3028	.2276	.1716	8.644	.0515	1.202

#1	4366.	571200.	5948.	2.576	118.4	97.90
#2	4384.	569400.	5933.	2.911	118.3	99.57

Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		500000.				
Low Limit		-1000.				

Elem	Sb2068	Se1960	Si2881	Sn1899	Ti3372	Tl1908
Line	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	337.280 {100}	190.856 {477}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.143	-4.841	3317.	31.71	1902.	41.35
Stddev	.735	2.089	54.	.45	1.	.90
%RSD	64.26	43.15	1.613	1.412	.0623	2.186

#1	1.663	-3.364	3355.	32.02	1901.	40.71
#2	.6239	-6.317	3279.	31.39	1902.	41.99

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 5099688003_15864 Acquired: 6/24/2014 10:47:51 Type: Unk
 Method: 50ICP3 method build(v66) Mode: CONC Corr. Factor: 1.000000
 User: frw EPA 6010B: 50ICP3: Custom ID3:
 Comment:

Elem	V_2924	Zn2062	Na5895	Sr4077	P_1774
Line	292.464 {115}	206.200 {463}	589.592 { 57}	407.771 { 83}	177.495 {490}
IS Ref	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb
Avg	117.5	329.3	1807.	732.4	3023.
Stddev	.1	.0	14.	5.1	3.
%RSD	.1165	.0022	.7774	.7030	.0854

#1	117.5	329.3	1797.	728.8	3025.
#2	117.4	329.4	1817.	736.1	3021.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	5764.1	45955.	12913.
Stddev	12.1	194.	15.
%RSD	.20957	.42252	.11675

#1	5755.6	45818.	12923.
#2	5772.7	46092.	12902.

Sample Name: 5099688004_15864 Acquired: 6/24/2014 10:49:58 Type: Unk
 Method: 50ICP3 method build(v66) Mode: CONC Corr. Factor: 1.000000
 User: frw EPA 6010B: 50ICP3: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3130
Line	328.068 {103}	308.215 {109}	189.042 {478}	249.678 {135}	455.403 {74}	313.042 {108}
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-5.632	123100.	77.22	23.76	393.4	3.315
Stddev	1.558	504.	2.02	.58	.8	.040
%RSD	27.66	.4094	2.618	2.443	.1943	1.193
#1	-6.734	123400.	75.79	24.17	392.9	3.343
#2	-4.531	122700.	78.65	23.35	394.0	3.287
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca3158	Cd2288	Co2286	Cr2677	Cu3247	Fe2714
Line	315.887 {107}	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}
IS Ref	(Y_3600)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	59510.	.8976	42.05	129.6	102.8	137500.
Stddev	292.	.0789	.00	9.1	.3	695.
%RSD	.4902	8.787	.0103	7.045	.2698	.5056
#1	59720.	.9533	42.05	123.1	102.6	138000.
#2	59310.	.8418	42.04	136.0	103.0	137000.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 5099688004_15864 Acquired: 6/24/2014 10:49:58 Type: Unk
 Method: 50ICP3 method build(v66) Mode: CONC Corr. Factor: 1.000000
 User: frw EPA 6010B: 50ICP3: Custom ID3:
 Comment:

Elem	K_7664	Mg2790	Mn2576	Mo2020	Ni2316	Pb2203
Line	766.490 {44}	279.079 {121}	257.610 {131}	202.030 {467}	231.604 {446}	220.353 {453}
IS Ref	(Y_3710)	(Y_3600)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	7680.	42050.	4292.	3.596	129.4	87.45
Stddev	12.	216.	21.	.255	.5	.46
%RSD	.1497	.5135	.4778	7.087	.4044	.5235
#1	7671.	42200.	4307.	3.776	129.8	87.77
#2	7688.	41900.	4278.	3.416	129.0	87.12
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sb2068	Se1960	Si2881	Sn1899	Ti3372	Tl1908
Line	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	337.280 {100}	190.856 {477}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.2067	-6.307	3425.	32.43	2139.	43.74
Stddev	1.798	2.178	65.	.42	11.	1.51
%RSD	869.6	34.54	1.891	1.290	.5172	3.457
#1	1.478	-4.767	3471.	32.72	2147.	44.81
#2	-1.064	-7.848	3379.	32.13	2132.	42.67
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 5099688004_15864 Acquired: 6/24/2014 10:49:58 Type: Unk
 Method: 50ICP3 method build(v66) Mode: CONC Corr. Factor: 1.000000
 User: frw EPA 6010B: 50ICP3: Custom ID3:
 Comment:

Elem	V_2924	Zn2062	Na5895	Sr4077	P_1774
Line	292.464 {115}	206.200 {463}	589.592 { 57}	407.771 { 83}	177.495 {490}
IS Ref	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb
Avg	236.3	382.3	672.3	85.27	2767.
Stddev	.2	1.2	6.7	.03	8.
%RSD	.0856	.3183	.9988	.0409	.2840

#1	236.4	383.2	667.6	85.29	2772.
#2	236.1	381.5	677.1	85.24	2761.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	6621.3	49897.	13947.
Stddev	4.3	195.	2.
%RSD	.06526	.39093	.01739

#1	6618.2	49759.	13946.
#2	6624.3	50035.	13949.

Sample Name: 5099688005_15864 Acquired: 6/24/2014 10:51:58 Type: Unk
Method: 50ICP3 method build(v66) Mode: CONC Corr. Factor: 1.000000
User: frw EPA 6010B: 50ICP3: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3130
Line	328.068 {103}	308.215 {109}	189.042 {478}	249.678 {135}	455.403 {74}	313.042 {108}
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-3.625	37890.	47.08	33.20	80.86	1.449
Stddev	1.091	112.	.83	.73	.00	.125
%RSD	30.10	.2956	1.762	2.200	.0006	8.622
#1	-2.853	37970.	46.49	32.69	80.86	1.361
#2	-4.397	37810.	47.66	33.72	80.86	1.538
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca3158	Cd2288	Co2286	Cr2677	Cu3247	Fe2714
Line	315.887 {107}	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}
IS Ref	(Y_3600)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	F 568000.	.5791	25.62	81.55	106.5	95370.
Stddev	2887.	.2472	.20	.18	.5	190.
%RSD	.5084	42.68	.7972	.2209	.4699	.1992
#1	570000.	.4043	25.77	81.43	106.2	95500.
#2	565900.	.7539	25.48	81.68	106.9	95230.
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	200000.					
Low Limit	-1000.					

Sample Name: 5099688005_15864 Acquired: 6/24/2014 10:51:58 Type: Unk

Method: 50ICP3 method build(v66) Mode: CONC Corr. Factor: 1.000000

User: frw EPA 6010B: 50ICP3: Custom ID3:

Comment:

Elem	K_7664	Mg2790	Mn2576	Mo2020	Ni2316	Pb2203
Line	766.490 {44}	279.079 {121}	257.610 {131}	202.030 {467}	231.604 {446}	220.353 {453}
IS Ref	(Y_3710)	(Y_3600)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4629.	266700.	1433.	2.336	80.70	59.88
Stddev	27.	483.	5.	.084	.08	3.46
%RSD	.5735	.1811	.3197	3.582	.0987	5.771

#1	4610.	267000.	1436.	2.395	80.75	57.44
#2	4648.	266400.	1429.	2.277	80.64	62.33

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sb2068	Se1960	Si2881	Sn1899	Ti3372	Tl1908
Line	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	337.280 {100}	190.856 {477}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.6584	-.6357	3891.	27.18	1570.	34.23
Stddev	.5228	.8354	30.	.39	6.	.20
%RSD	79.41	131.4	.7640	1.442	.3881	.5913

#1	1.028	-1.226	3912.	27.45	1574.	34.37
#2	.2887	-.0449	3870.	26.90	1566.	34.08

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 5099688005_15864 Acquired: 6/24/2014 10:51:58 Type: Unk
 Method: 50ICP3 method build(v66) Mode: CONC Corr. Factor: 1.000000
 User: frw EPA 6010B: 50ICP3: Custom ID3:
 Comment:

Elem	V_2924	Zn2062	Na5895	Sr4077	P_1774
Line	292.464 {115}	206.200 {463}	589.592 { 57}	407.771 { 83}	177.495 {490}
IS Ref	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb
Avg	134.9	290.1	1065.	263.5	4269.
Stddev	.1	.9	4.	.4	18.
%RSD	.0662	.2937	.3923	.1462	.4115
#1	134.8	290.7	1062.	263.7	4281.
#2	134.9	289.5	1068.	263.2	4256.

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	6099.3	47446.	13443.
Stddev	.2	191.	81.
%RSD	.00363	.40186	.60261
#1	6099.4	47311.	13385.
#2	6099.1	47581.	13500.

Sample Name: 5099688006_15864 Acquired: 6/24/2014 10:54:04 Type: Unk
 Method: 50ICP3 method build(v66) Mode: CONC Corr. Factor: 1.000000
 User: frw EPA 6010B: 50ICP3: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3130
Line	328.068 {103}	308.215 {109}	189.042 {478}	249.678 {135}	455.403 {74}	313.042 {108}
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-2.900	119600.	56.68	38.70	380.7	2.914
Stddev	2.170	35.	.09	1.02	1.2	.009
%RSD	74.81	.0294	.1647	2.636	.3128	.3041
#1	-1.366	119600.	56.74	39.43	379.8	2.920
#2	-4.434	119600.	56.61	37.98	381.5	2.908
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca3158	Cd2288	Co2286	Cr2677	Cu3247	Fe2714
Line	315.887 {107}	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}
IS Ref	(Y_3600)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	8914.	.4011	48.32	129.6	93.13	145100.
Stddev	5.	.0029	.21	4.2	1.95	218.
%RSD	.0574	.7297	.4403	3.267	2.097	.1501
#1	8917.	.3990	48.17	132.6	94.52	145300.
#2	8910.	.4031	48.47	126.6	91.75	145000.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 5099688006_15864 Acquired: 6/24/2014 10:54:04 Type: Unk

Method: 50ICP3 method build(v66) Mode: CONC Corr. Factor: 1.000000

User: frw EPA 6010B: 50ICP3: Custom ID3:

Comment:

Elem	K_7664	Mg2790	Mn2576	Mo2020	Ni2316	Pb2203
Line	766.490 {44}	279.079 {121}	257.610 {131}	202.030 {467}	231.604 {446}	220.353 {453}
IS Ref	(Y_3710)	(Y_3600)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	7269.	21780.	2266.	4.971	123.3	87.87
Stddev	86.	13.	1.	.429	.2	.68
%RSD	1.187	.0602	.0482	8.631	.1273	.7793

#1	7208.	21770.	2266.	5.275	123.2	87.38
#2	7330.	21780.	2265.	4.668	123.4	88.35

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sb2068	Se1960	Si2881	Sn1899	Ti3372	Tl1908
Line	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	337.280 {100}	190.856 {477}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.103	-5.861	4168.	34.19	2428.	48.39
Stddev	.600	.301	10.	.42	1.	.61
%RSD	28.52	5.140	.2495	1.232	.0300	1.259

#1	1.679	-5.648	4160.	34.49	2428.	48.82
#2	2.527	-6.074	4175.	33.89	2427.	47.96

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 5099688006_15864 Acquired: 6/24/2014 10:54:04 Type: Unk
 Method: 50ICP3 method build(v66) Mode: CONC Corr. Factor: 1.000000
 User: frw EPA 6010B: 50ICP3: Custom ID3:
 Comment:

Elem	V_2924	Zn2062	Na5895	Sr4077	P_1774
Line	292.464 {115}	206.200 {463}	589.592 { 57}	407.771 { 83}	177.495 {490}
IS Ref	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb
Avg	260.6	357.9	390.0	52.97	2545.
Stddev	.7	.5	.0	.38	.
%RSD	.2756	.1373	.0099	.7188	.0110

#1	260.1	357.5	390.0	52.70	2545.
#2	261.1	358.2	389.9	53.24	2545.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	6429.9	48029.	13732.
Stddev	5.2	39.	8.
%RSD	.08122	.08082	.05672

#1	6426.2	48056.	13726.
#2	6433.6	48002.	13737.

Sample Name: 5099688007_15864 Acquired: 6/24/2014 10:56:05 Type: Unk

Method: 50ICP3 method build(v66) Mode: CONC Corr. Factor: 1.000000

User: frw EPA 6010B: 50ICP3: Custom ID3:

Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3130
Line	328.068 {103}	308.215 {109}	189.042 {478}	249.678 {135}	455.403 {74}	313.042 {108}
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.750	26110.	40.34	33.92	72.48	.8166
Stddev	2.256	17.	1.79	1.45	.52	.1512
%RSD	128.9	.0661	4.434	4.286	.7143	18.52

#1	-.1547	26130.	39.08	32.90	72.11	.9236
#2	-3.345	26100.	41.61	34.95	72.84	.7097

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca3158	Cd2288	Co2286	Cr2677	Cu3247	Fe2714
Line	315.887 {107}	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}
IS Ref	(Y_3600)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	F 694900.	.9283	25.32	69.56	73.93	68000.
Stddev	6278.	.0168	.24	1.66	1.35	131.
%RSD	.9035	1.809	.9312	2.387	1.825	.1921

#1	690400.	.9165	25.49	70.73	72.97	68100.
#2	699300.	.9402	25.16	68.38	74.88	67910.

Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	200000.					
Low Limit	-1000.					

Sample Name: 5099688007_15864 Acquired: 6/24/2014 10:56:05 Type: Unk

Method: 50ICP3 method build(v66) Mode: CONC Corr. Factor: 1.000000

User: frw EPA 6010B: 50ICP3: Custom ID3:

Comment:

Elem	K_7664	Mg2790	Mn2576	Mo2020	Ni2316	Pb2203
Line	766.490 {44}	279.079 {121}	257.610 {131}	202.030 {467}	231.604 {446}	220.353 {453}
IS Ref	(Y_3710)	(Y_3600)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4051.	195600.	1807.	7.580	57.96	49.29
Stddev	3.	273.	2.	.222	.61	2.13
%RSD	.0863	.1394	.1187	2.935	1.059	4.325

#1	4053.	195800.	1809.	7.423	58.40	50.79
#2	4048.	195400.	1806.	7.737	57.53	47.78

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sb2068	Se1960	Si2881	Sn1899	Ti3372	Tl1908
Line	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	337.280 {100}	190.856 {477}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.1612	-2.105	3872.	28.19	1446.	31.20
Stddev	1.410	.628	39.	.18	3.	1.07
%RSD	874.9	29.83	.9973	.6255	.2397	3.432

#1	-0.8359	-1.661	3899.	28.32	1448.	30.44
#2	1.158	-2.549	3845.	28.07	1444.	31.95

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 5099688007_15864 Acquired: 6/24/2014 10:56:05 Type: Unk
 Method: 50ICP3 method build(v66) Mode: CONC Corr. Factor: 1.000000
 User: frw EPA 6010B: 50ICP3: Custom ID3:
 Comment:

Elem	V_2924	Zn2062	Na5895	Sr4077	P_1774
Line	292.464 {115}	206.200 {463}	589.592 { 57}	407.771 { 83}	177.495 {490}
IS Ref	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb
Avg	114.9	220.2	1191.	468.9	1888.
Stddev	.4	2.0	6.	1.1	16.
%RSD	.3729	.9296	.4660	.2391	.8394

#1	114.6	221.7	1187.	468.1	1899.
#2	115.2	218.8	1195.	469.7	1877.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	5937.7	46075.	13118.
Stddev	3.0	17.	56.
%RSD	.05113	.03714	.42681

#1	5935.5	46063.	13078.
#2	5939.8	46087.	13157.

Sample Name: 5099688008_15864 Acquired: 6/24/2014 10:58:11 Type: Unk

Method: 50ICP3 method build(v66) Mode: CONC Corr. Factor: 1.000000

User: frw EPA 6010B: 50ICP3: Custom ID3:

Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3130
Line	328.068 {103}	308.215 {109}	189.042 {478}	249.678 {135}	455.403 {74}	313.042 {108}
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	7.804	70910.	120.0	79.42	864.6	3.563
Stddev	2.541	52.	.9	3.51	6.9	.056
%RSD	32.55	.0739	.7157	4.422	.7943	1.580

#1	6.008	70940.	120.6	81.90	859.8	3.523
#2	9.601	70870.	119.4	76.94	869.5	3.603

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca3158	Cd2288	Co2286	Cr2677	Cu3247	Fe2714
Line	315.887 {107}	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}
IS Ref	(Y_3600)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	167400.	33.39	86.58	521.9	1929.	F 575900.
Stddev	1960.	.58	2.18	4.6	18.	621.
%RSD	1.171	1.723	2.523	.8847	.9405	.1079

#1	166000.	33.80	88.13	518.6	1916.	575500.
#2	168800.	32.98	85.04	525.1	1942.	576400.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						400000.
Low Limit						-50.00

Sample Name: 5099688008_15864 Acquired: 6/24/2014 10:58:11 Type: Unk

Method: 50ICP3 method build(v66) Mode: CONC Corr. Factor: 1.000000

User: frw EPA 6010B: 50ICP3: Custom ID3:

Comment:

Elem	K_7664	Mg2790	Mn2576	Mo2020	Ni2316	Pb2203
Line	766.490 {44}	279.079 {121}	257.610 {131}	202.030 {467}	231.604 {446}	220.353 {453}
IS Ref	(Y_3710)	(Y_3600)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	9695.	77470.	F 21500.	79.45	638.4	2412.
Stddev	76.	8.	72.	2.69	14.7	54.
%RSD	.7888	.0097	.3330	3.383	2.300	2.218

#1	9641.	77470.	21450.	81.35	648.8	2450.
#2	9749.	77460.	21550.	77.55	628.0	2374.

Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			20000.			
Low Limit			-10.00			

Elem	Sb2068	Se1960	Si2881	Sn1899	Ti3372	Tl1908
Line	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	337.280 {100}	190.856 {477}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	16.54	-4.997	3908.	725.6	2160.	42.83
Stddev	1.44	4.361	1.	19.0	3.	1.21
%RSD	8.727	87.27	.0333	2.617	.1286	2.829

#1	17.56	-8.081	3908.	739.0	2161.	43.69
#2	15.52	-1.913	3909.	712.2	2158.	41.98

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 5099688008_15864 Acquired: 6/24/2014 10:58:11 Type: Unk
 Method: 50ICP3 method build(v66) Mode: CONC Corr. Factor: 1.000000
 User: frw EPA 6010B: 50ICP3: Custom ID3:
 Comment:

Elem	V_2924	Zn2062	Na5895	Sr4077	P_1774
Line	292.464 {115}	206.200 {463}	589.592 { 57}	407.771 { 83}	177.495 {490}
IS Ref	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb
Avg	330.8	9712.	2742.	369.9	2455.
Stddev	2.0	220.	34.	3.3	58.
%RSD	.6094	2.264	1.242	.8938	2.349

#1	329.4	9867.	2718.	367.5	2496.
#2	332.3	9556.	2766.	372.2	2415.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	6237.7	48122.	13504.
Stddev	18.1	108.	23.
%RSD	.29037	.22405	.17390

#1	6224.9	48199.	13488.
#2	6250.5	48046.	13521.

Sample Name: 1115942_15864 Acquired: 6/24/2014 11:00:20 Type: Unk
 Method: 50ICP3 method build(v66) Mode: CONC Corr. Factor: 1.000000
 User: frw EPA 6010B: 50ICP3: Custom ID3:
 Comment:

Elem Line	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3130
IS Ref	328.068 {103}	308.215 {109}	189.042 {478}	249.678 {135}	455.403 { 74}	313.042 {108}
Units	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3710)
Avg	ppb	ppb	ppb	ppb	ppb	ppb
Stddev	468.8	91190.	1119.	1031.	1740.	943.7
%RSD	.3	202.	8.	1.	2.	1.3
	.0728	.2220	.6772	.1428	.0864	.1396
#1	469.0	91050.	1125.	1030.	1739.	944.7
#2	468.5	91330.	1114.	1032.	1741.	942.8
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem Line	Ca3158	Cd2288	Co2286	Cr2677	Cu3247	Fe2714
IS Ref	315.887 {107}	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}
Units	(Y_3600)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)
Avg	ppb	ppb	ppb	ppb	ppb	ppb
Stddev	196500.	1021.	1038.	1360.	2152.	F 430900.
%RSD	665.	4.	3.	6.	9.	541.
	.3385	.3510	.3123	.4560	.4401	.1256
#1	196000.	1023.	1041.	1355.	2145.	430500.
#2	197000.	1018.	1036.	1364.	2159.	431300.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						400000.
Low Limit						-50.00

Sample Name: 1115942_15864 Acquired: 6/24/2014 11:00:20 Type: Unk
 Method: 50ICP3 method build(v66) Mode: CONC Corr. Factor: 1.000000
 User: frw EPA 6010B: 50ICP3: Custom ID3:
 Comment:

Elem	K_7664	Mg2790	Mn2576	Mo2020	Ni2316	Pb2203
Line	766.490 {44}	279.079 {121}	257.610 {131}	202.030 {467}	231.604 {446}	220.353 {453}
IS Ref	(Y_3710)	(Y_3600)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	20500.	84400.	14560.	1052.	1305.	2970.
Stddev	48.	105.	73.	5.	4.	7.
%RSD	.2326	.1249	.5045	.4730	.3299	.2324

#1	20530.	84320.	14610.	1056.	1308.	2975.
#2	20460.	84470.	14500.	1049.	1302.	2965.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sb2068	Se1960	Si2881	Sn1899	Ti3372	Tl1908
Line	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	337.280 {100}	190.856 {477}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	572.5	1012.	6936.	1365.	3800.	996.8
Stddev	3.1	5.	34.	1.	4.	3.7
%RSD	.5473	.4551	.4948	.0594	.1156	.3719

#1	574.7	1015.	6960.	1365.	3797.	999.4
#2	570.3	1009.	6911.	1364.	3803.	994.2

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 1115942_15864 Acquired: 6/24/2014 11:00:20 Type: Unk
 Method: 50ICP3 method build(v66) Mode: CONC Corr. Factor: 1.000000
 User: frw EPA 6010B: 50ICP3: Custom ID3:
 Comment:

Elem	V_2924	Zn2062	Na5895	Sr4077	P_1774
Line	292.464 {115}	206.200 {463}	589.592 { 57}	407.771 { 83}	177.495 {490}
IS Ref	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb
Avg	1269.	7494.	12200.	1258.	3519.
Stddev	.	7.	3.	1.	14.
%RSD	.0165	.0924	.0222	.0871	.3982

#1	1269.	7499.	12200.	1258.	3529.
#2	1269.	7489.	12200.	1257.	3509.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	6165.4	47488.	13441.
Stddev	17.5	108.	109.
%RSD	.28446	.22737	.81324

#1	6153.0	47411.	13364.
#2	6177.8	47564.	13519.

Sample Name: 1115943_15864 Acquired: 6/24/2014 11:02:25 Type: Unk
 Method: 50ICP3 method build(v66) Mode: CONC Corr. Factor: 1.000000
 User: frw EPA 6010B: 50ICP3: Custom ID3:
 Comment:

Elem Line	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3130
IS Ref	328.068 {103}	308.215 {109}	189.042 {478}	249.678 {135}	455.403 {74}	313.042 {108}
Units	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3710)
Avg	ppb	ppb	ppb	ppb	ppb	ppb
Stddev	462.8	108200.	1129.	1027.	2024.	930.2
%RSD	7.6	85.	.	6.	1.	.2
	1.638	.0787	.0288	.6222	.0636	.0257
#1	468.2	108100.	1129.	1022.	2025.	930.0
#2	457.5	108200.	1129.	1031.	2023.	930.4
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem Line	Ca3158	Cd2288	Co2286	Cr2677	Cu3247	Fe2714
IS Ref	315.887 {107}	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}
Units	(Y_3600)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)
Avg	ppb	ppb	ppb	ppb	ppb	ppb
Stddev	F 315500.	1018.	1035.	1480.	2528.	F 606600.
%RSD	21.	2.	.	4.	4.	2142.
	.0067	.1764	.0297	.2383	.1461	.3532
#1	315500.	1017.	1035.	1478.	2525.	608100.
#2	315400.	1020.	1035.	1483.	2530.	605000.
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit	200000.					400000.
Low Limit	-1000.					-50.00

Sample Name: 1115943_15864 Acquired: 6/24/2014 11:02:25 Type: Unk
 Method: 50ICP3 method build(v66) Mode: CONC Corr. Factor: 1.000000
 User: frw EPA 6010B: 50ICP3: Custom ID3:
 Comment:

Elem	K_7664	Mg2790	Mn2576	Mo2020	Ni2316	Pb2203
Line	766.490 {44}	279.079 {121}	257.610 {131}	202.030 {467}	231.604 {446}	220.353 {453}
IS Ref	(Y_3710)	(Y_3600)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	23390.	117300.	16970.	1073.	1407.	3406.
Stddev	32.	135.	53.	3.	1.	2.
%RSD	.1378	.1153	.3100	.2356	.0598	.0663
#1	23410.	117400.	17000.	1074.	1407.	3405.
#2	23360.	117200.	16930.	1071.	1406.	3408.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sb2068	Se1960	Si2881	Sn1899	Ti3372	Tl1908
Line	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	337.280 {100}	190.856 {477}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	523.8	988.2	5250.	1433.	3984.	981.9
Stddev	3.2	1.9	7.	1.	4.	4.1
%RSD	.6026	.1920	.1263	.0459	.1012	.4170
#1	526.1	986.9	5246.	1433.	3987.	984.8
#2	521.6	989.5	5255.	1432.	3981.	979.0
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 1115943_15864 Acquired: 6/24/2014 11:02:25 Type: Unk
 Method: 50ICP3 method build(v66) Mode: CONC Corr. Factor: 1.000000
 User: frw EPA 6010B: 50ICP3: Custom ID3:
 Comment:

Elem	V_2924	Zn2062	Na5895	Sr4077	P_1774
Line	292.464 {115}	206.200 {463}	589.592 { 57}	407.771 { 83}	177.495 {490}
IS Ref	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb
Avg	1298.	8228.	12450.	1354.	4024.
Stddev	.	11.	10.	.	8.
%RSD	.0005	.1276	.0812	.0176	.1917

#1	1298.	8235.	12440.	1355.	4019.
#2	1298.	8220.	12460.	1354.	4030.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	6098.3	47585.	13421.
Stddev	8.5	146.	1.
%RSD	.13964	.30677	.00449

#1	6092.3	47482.	13422.
#2	6104.3	47688.	13421.

Sample Name: 5099688009_15864 Acquired: 6/24/2014 11:04:28 Type: Unk

Method: 50ICP3 method build(v66) Mode: CONC Corr. Factor: 1.000000

User: frw EPA 6010B: 50ICP3: Custom ID3:

Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3130
Line	328.068 {103}	308.215 {109}	189.042 {478}	249.678 {135}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-4.395	31790.	65.54	51.84	92.33	.9145
Stddev	3.597	39.	.40	.06	.37	.0128
%RSD	81.84	.1220	.6109	.1105	.4043	1.394

#1	-1.851	31760.	65.82	51.80	92.59	.9235
#2	-6.938	31820.	65.25	51.88	92.06	.9055

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca3158	Cd2288	Co2286	Cr2677	Cu3247	Fe2714
Line	315.887 {107}	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}
IS Ref	(Y_3600)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	F 1030000.	.8337	41.31	85.62	120.8	98420.
Stddev	4314.	.1195	.09	.35	4.6	299.
%RSD	.4187	14.34	.2292	.4040	3.791	.3042

#1	1027000.	.9182	41.38	85.86	124.0	98210.
#2	1033000.	.7492	41.25	85.37	117.5	98640.

Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	200000.					
Low Limit	-1000.					

Sample Name: 5099688009_15864 Acquired: 6/24/2014 11:04:28 Type: Unk

Method: 50ICP3 method build(v66) Mode: CONC Corr. Factor: 1.000000

User: frw EPA 6010B: 50ICP3: Custom ID3:

Comment:

Elem	K_7664	Mg2790	Mn2576	Mo2020	Ni2316	Pb2203
Line	766.490 {44}	279.079 {121}	257.610 {131}	202.030 {467}	231.604 {446}	220.353 {453}
IS Ref	(Y_3710)	(Y_3600)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4663.	476800.	2902.	12.03	85.63	112.7
Stddev	16.	909.	3.	.95	.08	.6
%RSD	.3506	.1907	.1050	7.933	.0985	.5215

#1	4652.	476200.	2900.	11.35	85.57	113.1
#2	4675.	477500.	2904.	12.70	85.69	112.2

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sb2068	Se1960	Si2881	Sn1899	Ti3372	Tl1908
Line	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	337.280 {100}	190.856 {477}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	5.864	-.5095	3566.	34.06	2026.	45.30
Stddev	2.581	3.140	22.	1.33	6.	1.88
%RSD	44.02	616.2	.6298	3.918	.2745	4.145

#1	4.039	1.711	3582.	33.12	2022.	43.97
#2	7.690	-2.730	3550.	35.01	2030.	46.63

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 5099688009_15864 Acquired: 6/24/2014 11:04:28 Type: Unk
 Method: 50ICP3 method build(v66) Mode: CONC Corr. Factor: 1.000000
 User: frw EPA 6010B: 50ICP3: Custom ID3:
 Comment:

Elem	V_2924	Zn2062	Na5895	Sr4077	P_1774
Line	292.464 {115}	206.200 {463}	589.592 { 57}	407.771 { 83}	177.495 {490}
IS Ref	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb
Avg	146.5	348.0	1352.	543.5	2552.
Stddev	1.0	2.0	15.	.6	9.
%RSD	.6827	.5826	1.112	.1029	.3363

#1	145.8	346.6	1363.	543.9	2546.
#2	147.2	349.5	1341.	543.1	2558.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	5777.3	45731.	12838.
Stddev	11.1	38.	22.
%RSD	.19146	.08309	.17327

#1	5785.1	45758.	12822.
#2	5769.5	45704.	12854.

Sample Name: 5099688010_15864 Acquired: 6/24/2014 11:06:34 Type: Unk

Method: 50ICP3 method build(v66) Mode: CONC Corr. Factor: 1.000000

User: frw EPA 6010B: 50ICP3: Custom ID3:

Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3130
Line	328.068 {103}	308.215 {109}	189.042 {478}	249.678 {135}	455.403 {74}	313.042 {108}
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.805	94080.	39.86	24.30	4941.	5.875
Stddev	2.052	40.	2.21	.80	1.	.026
%RSD	113.7	.0428	5.553	3.301	.0244	.4411

#1	-3.256	94110.	38.29	24.87	4941.	5.893
#2	-3.544	94050.	41.42	23.74	4942.	5.856

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca3158	Cd2288	Co2286	Cr2677	Cu3247	Fe2714
Line	315.887 {107}	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}
IS Ref	(Y_3600)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	22510.	2.927	52.68	105.2	93.11	118000.
Stddev	26.	.049	.17	1.4	.15	146.
%RSD	.1145	1.658	.3253	1.332	.1615	.1235

#1	22530.	2.961	52.80	106.2	93.22	118100.
#2	22490.	2.893	52.56	104.2	93.00	117900.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 5099688010_15864 Acquired: 6/24/2014 11:06:34 Type: Unk

Method: 50ICP3 method build(v66) Mode: CONC Corr. Factor: 1.000000

User: frw EPA 6010B: 50ICP3: Custom ID3:

Comment:

Elem	K_7664	Mg2790	Mn2576	Mo2020	Ni2316	Pb2203
Line	766.490 {44}	279.079 {121}	257.610 {131}	202.030 {467}	231.604 {446}	220.353 {453}
IS Ref	(Y_3710)	(Y_3600)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	5331.	17060.	F 21610.	5.579	148.0	118.0
Stddev	17.	35.	51.	.199	.4	.4
%RSD	.3121	.2025	.2378	3.568	.2672	.3327

#1	5343.	17080.	21580.	5.439	147.8	117.7
#2	5319.	17030.	21650.	5.720	148.3	118.3

Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			20000.			
Low Limit			-10.00			

Elem	Sb2068	Se1960	Si2881	Sn1899	Ti3372	Tl1908
Line	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	337.280 {100}	190.856 {477}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.9959	-6.633	7224.	32.31	1903.	42.13
Stddev	.1430	.943	38.	.76	3.	.57
%RSD	14.36	14.21	.5240	2.340	.1601	1.355

#1	.8948	-5.967	7251.	32.85	1901.	41.72
#2	1.097	-7.300	7198.	31.78	1905.	42.53

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 5099688010_15864 Acquired: 6/24/2014 11:06:34 Type: Unk
 Method: 50ICP3 method build(v66) Mode: CONC Corr. Factor: 1.000000
 User: frw EPA 6010B: 50ICP3: Custom ID3:
 Comment:

Elem	V_2924	Zn2062	Na5895	Sr4077	P_1774
Line	292.464 {115}	206.200 {463}	589.592 { 57}	407.771 { 83}	177.495 {490}
IS Ref	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb
Avg	186.1	1011.	515.0	180.6	6605.
Stddev	.6	1.	3.3	.1	9.
%RSD	.3104	.0975	.6340	.0607	.1412

#1	185.7	1010.	512.7	180.5	6599.
#2	186.5	1011.	517.3	180.7	6612.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	6564.2	49160.	13912.
Stddev	1.5	20.	13.
%RSD	.02282	.04164	.08996

#1	6565.2	49145.	13903.
#2	6563.1	49174.	13921.

Sample Name: CCV Acquired: 6/24/2014 11:08:40 Type: QC
 Method: 50ICP3 method build(v66) Mode: CONC Corr. Factor: 1.000000
 User: frw EPA 6010B: 50ICP3: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3130
Line	328.068 {103}	308.215 {109}	189.042 {478}	249.678 {135}	455.403 {74}	313.042 {108}
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	475.4	9882.	1015.	1010.	995.6	966.0
Stddev	2.3	7.	.	1.	.8	.5
%RSD	.4849	.0667	.0465	.0643	.0765	.0556
#1	477.1	9887.	1014.	1010.	996.1	966.4
#2	473.8	9878.	1015.	1011.	995.0	965.6
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Ca3158	Cd2288	Co2286	Cr2677	Cu3247	Fe2714
Line	315.887 {107}	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}
IS Ref	(Y_3600)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	9938.	987.9	987.0	975.6	966.2	9997.
Stddev	2.	.1	.3	6.5	6.5	20.
%RSD	.0186	.0060	.0352	.6674	.6686	.2000
#1	9937.	987.9	987.3	971.0	970.8	9983.
#2	9939.	988.0	986.8	980.2	961.6	10010.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 6/24/2014 11:08:40 Type: QC
 Method: 50ICP3 method build(v66) Mode: CONC Corr. Factor: 1.000000
 User: frw EPA 6010B: 50ICP3: Custom ID3:
 Comment:

Elem	K_7664	Mg2790	Mn2576	Mo2020	Ni2316	Pb2203
Line	766.490 {44}	279.079 {121}	257.610 {131}	202.030 {467}	231.604 {446}	220.353 {453}
IS Ref	(Y_3710)	(Y_3600)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	9728.	9950.	996.6	1030.	979.0	993.8
Stddev	4.	19.	.1	4.	.2	2.7
%RSD	.0431	.1863	.0070	.3867	.0180	.2704
#1	9731.	9937.	996.6	1033.	979.1	991.9
#2	9725.	9963.	996.7	1027.	978.9	995.7

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 Value
 Range

Elem	Sb2068	Se1960	Si2881	Sn1899	Ti3372	Tl1908
Line	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	337.280 {100}	190.856 {477}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1009.	999.5	4628.	1001.	1016.	979.6
Stddev	1.	2.1	33.	2.	1.	3.2
%RSD	.0751	.2063	.7180	.2093	.0746	.3267
#1	1010.	998.0	4604.	1002.	1015.	977.3
#2	1009.	1001.	4651.	999.5	1016.	981.8

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 Value
 Range

Sample Name: CCV Acquired: 6/24/2014 11:08:40 Type: QC
 Method: 50ICP3 method build(v66) Mode: CONC Corr. Factor: 1.000000
 User: frw EPA 6010B: 50ICP3: Custom ID3:
 Comment:

Elem	V_2924	Zn2062	Na5895	Sr4077	P_1774
Line	292.464 {115}	206.200 {463}	589.592 { 57}	407.771 { 83}	177.495 {490}
IS Ref	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb
Avg	1031.	973.1	9794.	979.2	1018.
Stddev	4.	1.3	9.	.4	3.
%RSD	.3534	.1304	.0891	.0376	.2687

#1	1028.	972.2	9800.	979.5	1020.
#2	1033.	974.0	9788.	979.0	1016.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	6332.6	47423.	13150.
Stddev	7.6	137.	79.
%RSD	.12078	.28879	.60277

#1	6327.2	47326.	13094.
#2	6338.0	47520.	13206.

Sample Name: CCB Acquired: 6/24/2014 11:12:03 Type: QC
 Method: 50ICP3 method build(v66) Mode: CONC Corr. Factor: 1.000000
 User: frw EPA 6010B: 50ICP3: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3130
Line	328.068 {103}	308.215 {109}	189.042 {478}	249.678 {135}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-2.137	9.908	2.305	2.395	.1353	.1045
Stddev	.169	.352	1.007	.829	.1552	.0812
%RSD	7.896	3.550	43.66	34.61	114.7	77.68
#1	-2.256	9.660	1.593	2.982	.2451	.0471
#2	-2.018	10.16	3.017	1.809	.0256	.1620
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca3158	Cd2288	Co2286	Cr2677	Cu3247	Fe2714
Line	315.887 {107}	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}
IS Ref	(Y_3600)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.223	.0591	.4069	.6048	2.672	32.97
Stddev	2.339	.0221	.0717	.7912	.002	4.80
%RSD	191.2	37.45	17.61	130.8	.0604	14.55
#1	2.877	.0747	.4576	1.164	2.673	29.58
#2	-4.303	.0434	.3563	.0453	2.670	36.37
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 6/24/2014 11:12:03 Type: QC
 Method: 50ICP3 method build(v66) Mode: CONC Corr. Factor: 1.000000
 User: frw EPA 6010B: 50ICP3: Custom ID3:
 Comment:

Elem	K_7664	Mg2790	Mn2576	Mo2020	Ni2316	Pb2203
Line	766.490 {44}	279.079 {121}	257.610 {131}	202.030 {467}	231.604 {446}	220.353 {453}
IS Ref	(Y_3710)	(Y_3600)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	36.30	4.666	-0.253	6.073	-3.459	-1.058
Stddev	10.55	.143	.1324	1.275	.3400	.625
%RSD	29.06	3.060	523.3	20.99	98.28	59.01
#1	28.84	4.565	.0683	5.171	-.5863	-.6168
#2	43.76	4.767	-.1190	6.974	-.1055	-1.500
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sb2068	Se1960	Si2881	Sn1899	Ti3372	Tl1908
Line	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	337.280 {100}	190.856 {477}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.418	-1.633	3.048	3.540	1.693	-.8674
Stddev	1.270	2.270	.440	.080	.060	.4982
%RSD	52.52	139.0	14.44	2.245	3.558	57.43
#1	3.317	-.0280	2.737	3.596	1.736	-.5151
#2	1.520	-3.238	3.359	3.484	1.650	-1.220
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 6/24/2014 11:12:03 Type: QC
 Method: 50ICP3 method build(v66) Mode: CONC Corr. Factor: 1.000000
 User: frw EPA 6010B: 50ICP3: Custom ID3:
 Comment:

Elem	V_2924	Zn2062	Na5895	Sr4077	P_1774
Line	292.464 {115}	206.200 {463}	589.592 { 57}	407.771 { 83}	177.495 {490}
IS Ref	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb
Avg	1.073	-1.809	21.52	.0381	-2.945
Stddev	.920	.4095	.47	.0672	.763
%RSD	85.73	226.4	2.180	176.2	25.92

#1	.4227	-.4705	21.85	-.0094	-3.484
#2	1.724	.1087	21.19	.0857	-2.405

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	6384.7	47606.	13177.
Stddev	12.3	110.	46.
%RSD	.19231	.23105	.35232

#1	6376.0	47684.	13144.
#2	6393.3	47528.	13210.

Sample Name: 1115941_15864 Acquired: 6/24/2014 11:16:09 Type: Unk
 Method: 50ICP3 method build(v66) Mode: CONC Corr. Factor: 1.000000
 User: frw EPA 6010B: 50ICP3: Custom ID3:
 Comment:

Elem Line	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3130
IS Ref	328.068 {103}	308.215 {109}	189.042 {478}	249.678 {135}	455.403 { 74}	313.042 {108}
Units	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3710)
Avg	ppb	ppb	ppb	ppb	ppb	ppb
Stddev	466.7	51670.	1073.	1005.	1119.	924.2
%RSD	1.9	77.	5.	7.	.	.8
	.4099	.1493	.4532	.6741	.0227	.0834
#1	465.3	51620.	1077.	1000.	1119.	924.7
#2	468.0	51730.	1070.	1010.	1119.	923.7
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem Line	Ca3158	Cd2288	Co2286	Cr2677	Cu3247	Fe2714
IS Ref	315.887 {107}	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}
Units	(Y_3600)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)
Avg	ppb	ppb	ppb	ppb	ppb	ppb
Stddev	F 653700.	1015.	969.9	965.3	1075.	90180.
%RSD	314.	1.	4.1	3.1	6.	95.
	.0480	.1033	.4257	.3165	.5242	.1050
#1	653500.	1016.	972.9	963.2	1071.	90110.
#2	654000.	1015.	967.0	967.5	1079.	90250.
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	200000.					
Low Limit	-1000.					

Sample Name: 1115941_15864 Acquired: 6/24/2014 11:16:09 Type: Unk
 Method: 50ICP3 method build(v66) Mode: CONC Corr. Factor: 1.000000
 User: frw EPA 6010B: 50ICP3: Custom ID3:
 Comment:

Elem	K_7664	Mg2790	Mn2576	Mo2020	Ni2316	Pb2203
Line	766.490 {44}	279.079 {121}	257.610 {131}	202.030 {467}	231.604 {446}	220.353 {453}
IS Ref	(Y_3710)	(Y_3600)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	17430.	269900.	4937.	988.5	1008.	1033.
Stddev	27.	762.	4.	6.4	3.	7.
%RSD	.1521	.2823	.0804	.6493	.2509	.6947
#1	17450.	269300.	4934.	993.0	1009.	1038.
#2	17410.	270400.	4940.	983.9	1006.	1028.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sb2068	Se1960	Si2881	Sn1899	Ti3372	Tl1908
Line	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	337.280 {100}	190.856 {477}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	722.1	1042.	6088.	990.7	2858.	991.8
Stddev	6.7	2.	1.	1.3	6.	4.0
%RSD	.9335	.2330	.0133	.1307	.1957	.4036
#1	726.9	1044.	6088.	991.6	2854.	994.6
#2	717.3	1040.	6087.	989.8	2862.	989.0
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 1115941_15864 Acquired: 6/24/2014 11:16:09 Type: Unk
 Method: 50ICP3 method build(v66) Mode: CONC Corr. Factor: 1.000000
 User: frw EPA 6010B: 50ICP3: Custom ID3:
 Comment:

Elem	V_2924	Zn2062	Na5895	Sr4077	P_1774
Line	292.464 {115}	206.200 {463}	589.592 { 57}	407.771 { 83}	177.495 {490}
IS Ref	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb
Avg	1096.	1159.	11380.	1311.	3253.
Stddev	1.	2.	20.	.	12.
%RSD	.1226	.1954	.1796	.0000	.3721

#1	1097.	1160.	11390.	1311.	3261.
#2	1095.	1157.	11360.	1311.	3244.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	5950.3	46150.	13119.
Stddev	7.8	72.	14.
%RSD	.13087	.15510	.10341

#1	5944.8	46200.	13129.
#2	5955.8	46099.	13109.

Sample Name: 5099688011_15864 Acquired: 6/24/2014 11:18:07 Type: Unk

Method: 50ICP3 method build(v66) Mode: CONC Corr. Factor: 1.000000

User: frw EPA 6010B: 50ICP3: Custom ID3:

Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3130
Line	328.068 {103}	308.215 {109}	189.042 {478}	249.678 {135}	455.403 {74}	313.042 {108}
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-2.850	73880.	391.3	109.2	609.9	8.623
Stddev	.636	84.	2.0	1.2	.8	.010
%RSD	22.31	.1143	.5145	1.109	.1321	.1204

#1	-2.400	73940.	392.8	110.1	610.4	8.630
#2	-3.299	73820.	389.9	108.3	609.3	8.616

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca3158	Cd2288	Co2286	Cr2677	Cu3247	Fe2714
Line	315.887 {107}	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}
IS Ref	(Y_3600)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	18500.	11.29	76.01	280.7	6232.	F 925100.
Stddev	22.	.01	.48	3.9	8.	1463.
%RSD	.1173	.0738	.6305	1.401	.1254	.1582

#1	18510.	11.30	75.67	277.9	6226.	926100.
#2	18480.	11.28	76.35	283.5	6237.	924000.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						400000.
Low Limit						-50.00

Sample Name: 5099688011_15864 Acquired: 6/24/2014 11:18:07 Type: Unk
 Method: 50ICP3 method build(v66) Mode: CONC Corr. Factor: 1.000000
 User: frw EPA 6010B: 50ICP3: Custom ID3:
 Comment:

Elem	K_7664	Mg2790	Mn2576	Mo2020	Ni2316	Pb2203
Line	766.490 {44}	279.079 {121}	257.610 {131}	202.030 {467}	231.604 {446}	220.353 {453}
IS Ref	(Y_3710)	(Y_3600)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	6036.	7968.	13420.	28.60	187.3	673.7
Stddev	3.	2.	12.	1.05	1.8	1.8
%RSD	.0559	.0283	.0877	3.670	.9803	.2682
#1	6038.	7970.	13420.	27.86	188.6	672.4
#2	6033.	7967.	13410.	29.34	186.0	675.0
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sb2068	Se1960	Si2881	Sn1899	Ti3372	Tl1908
Line	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	337.280 {100}	190.856 {477}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	15.07	-7.434	5446.	104.7	4965.	95.41
Stddev	.19	2.027	10.	.2	8.	.69
%RSD	1.287	27.27	.1843	.2228	.1660	.7257
#1	15.21	-6.001	5453.	104.8	4971.	95.90
#2	14.94	-8.868	5439.	104.5	4959.	94.92
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 5099688011_15864 Acquired: 6/24/2014 11:18:07 Type: Unk
 Method: 50ICP3 method build(v66) Mode: CONC Corr. Factor: 1.000000
 User: frw EPA 6010B: 50ICP3: Custom ID3:
 Comment:

Elem	V_2924	Zn2062	Na5895	Sr4077	P_1774
Line	292.464 {115}	206.200 {463}	589.592 { 57}	407.771 { 83}	177.495 {490}
IS Ref	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb
Avg	650.9	7333.	1224.	257.4	10060.
Stddev	2.5	6.	2.	.1	28.
%RSD	.3776	.0791	.1970	.0278	.2780

#1	652.7	7337.	1225.	257.4	10080.
#2	649.2	7329.	1222.	257.3	10040.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	6350.5	48906.	13975.
Stddev	11.6	91.	113.
%RSD	.18296	.18592	.80771

#1	6342.3	48842.	13895.
#2	6358.8	48970.	14055.

Sample Name: 5099688012_15864 Acquired: 6/24/2014 11:20:09 Type: Unk
 Method: 50ICP3 method build(v66) Mode: CONC Corr. Factor: 1.000000
 User: frw EPA 6010B: 50ICP3: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3130
Line	328.068 {103}	308.215 {109}	189.042 {478}	249.678 {135}	455.403 {74}	313.042 {108}
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.370	74380.	67.03	67.63	503.4	4.332
Stddev	.853	80.	1.03	1.83	.9	.069
%RSD	62.26	.1072	1.531	2.706	.1861	1.595
#1	-1.973	74440.	67.75	68.92	502.8	4.283
#2	-7669	74330.	66.30	66.33	504.1	4.381
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca3158	Cd2288	Co2286	Cr2677	Cu3247	Fe2714
Line	315.887 {107}	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}
IS Ref	(Y_3600)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	48520.	1.376	27.85	300.4	524.8	F 447900.
Stddev	83.	.070	.07	1.0	.1	207.
%RSD	.1720	5.091	.2373	.3288	.0138	.0461
#1	48460.	1.426	27.80	299.7	524.8	447800.
#2	48580.	1.327	27.90	301.1	524.9	448100.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						400000.
Low Limit						-50.00

Sample Name: 5099688012_15864 Acquired: 6/24/2014 11:20:09 Type: Unk

Method: 50ICP3 method build(v66) Mode: CONC Corr. Factor: 1.000000

User: frw EPA 6010B: 50ICP3: Custom ID3:

Comment:

Elem	K_7664	Mg2790	Mn2576	Mo2020	Ni2316	Pb2203
Line	766.490 {44}	279.079 {121}	257.610 {131}	202.030 {467}	231.604 {446}	220.353 {453}
IS Ref	(Y_3710)	(Y_3600)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	5630.	24460.	3466.	49.45	248.0	86.31
Stddev	8.	3.	2.	.31	1.3	.37
%RSD	.1372	.0135	.0718	.6257	.5053	.4261

#1	5635.	24450.	3464.	49.67	248.9	86.05
#2	5624.	24460.	3467.	49.23	247.2	86.57

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sb2068	Se1960	Si2881	Sn1899	Ti3372	Tl1908
Line	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	337.280 {100}	190.856 {477}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.325	-6.746	5425.	43.41	771.7	16.33
Stddev	.470	1.776	38.	1.63	.8	.37
%RSD	35.45	26.33	.7016	3.762	.1043	2.278

#1	.9930	-5.490	5398.	44.56	772.3	16.07
#2	1.658	-8.002	5452.	42.25	771.2	16.59

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 5099688012_15864 Acquired: 6/24/2014 11:20:09 Type: Unk
 Method: 50ICP3 method build(v66) Mode: CONC Corr. Factor: 1.000000
 User: frw EPA 6010B: 50ICP3: Custom ID3:
 Comment:

Elem	V_2924	Zn2062	Na5895	Sr4077	P_1774
Line	292.464 {115}	206.200 {463}	589.592 { 57}	407.771 { 83}	177.495 {490}
IS Ref	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb
Avg	94.83	401.5	4938.	484.8	1652.
Stddev	1.16	.1	6.	.5	5.
%RSD	1.227	.0223	.1227	.1044	.2846

#1	94.01	401.4	4934.	484.5	1655.
#2	95.66	401.5	4942.	485.2	1648.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	6428.1	48883.	13843.
Stddev	15.9	50.	21.
%RSD	.24768	.10172	.15341

#1	6416.9	48847.	13858.
#2	6439.4	48918.	13828.

Sample Name: 1115938_15864 Acquired: 6/24/2014 11:24:20 Type: Unk
 Method: 50ICP3 method build(v66) Mode: CONC Corr. Factor: 1.000000
 User: frw EPA 6010B: 50ICP3: Custom ID3:
 Comment:

Elem Line	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3130
IS Ref	328.068 {103}	308.215 {109}	189.042 {478}	249.678 {135}	455.403 { 74}	313.042 {108}
Units	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3710)
Avg	ppb	ppb	ppb	ppb	ppb	ppb
Stddev	424.8	F 329100.	1052.	1201.	2297.	852.5
%RSD	2.6	1200.	2.	1.	8.	4.0
	.6230	.3645	.2145	.0701	.3457	.4651

#1	422.9	328200.	1050.	1201.	2292.	849.7
#2	426.7	329900.	1054.	1200.	2303.	855.3

Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		300000.				
Low Limit		-1000.				

Elem Line	Ca3158	Cd2288	Co2286	Cr2677	Cu3247	Fe2714
IS Ref	315.887 {107}	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}
Units	(Y_3600)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)
Avg	ppb	ppb	ppb	ppb	ppb	ppb
Stddev	F 1334000.	981.0	1033.	1202.	1214.	364400.
%RSD	1471.	1.5	1.	4.	4.	386.
	.1103	.1557	.1239	.3017	.3667	.1060

#1	1333000.	982.1	1034.	1204.	1211.	364700.
#2	1335000.	979.9	1032.	1199.	1217.	364200.

Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	200000.					
Low Limit	-1000.					

Sample Name: 1115938_15864 Acquired: 6/24/2014 11:24:20 Type: Unk
 Method: 50ICP3 method build(v66) Mode: CONC Corr. Factor: 1.000000
 User: frw EPA 6010B: 50ICP3: Custom ID3:
 Comment:

Elem	K_7664	Mg2790	Mn2576	Mo2020	Ni2316	Pb2203
Line	766.490 {44}	279.079 {121}	257.610 {131}	202.030 {467}	231.604 {446}	220.353 {453}
IS Ref	(Y_3710)	(Y_3600)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	73820.	402100.	10080.	881.3	1285.	1043.
Stddev	316.	180.	4.	.0	2.	2.
%RSD	.4275	.0447	.0402	.0031	.1613	.1488

#1	73600.	402200.	10070.	881.3	1286.	1044.
#2	74050.	402000.	10080.	881.3	1283.	1042.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sb2068	Se1960	Si2881	Sn1899	Ti3372	Tl1908
Line	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	337.280 {100}	190.856 {477}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	234.9	889.4	22310.	868.3	5096.	929.2
Stddev	.2	6.6	18.	.6	10.	4.2
%RSD	.0999	.7443	.0805	.0715	.2049	.4474

#1	234.8	894.1	22300.	867.9	5103.	932.1
#2	235.1	884.7	22320.	868.7	5088.	926.2

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 1115938_15864 Acquired: 6/24/2014 11:24:20 Type: Unk
 Method: 50ICP3 method build(v66) Mode: CONC Corr. Factor: 1.000000
 User: frw EPA 6010B: 50ICP3: Custom ID3:
 Comment:

Elem	V_2924	Zn2062	Na5895	Sr4077	P_1774
Line	292.464 {115}	206.200 {463}	589.592 { 57}	407.771 { 83}	177.495 {490}
IS Ref	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb
Avg	1541.	1892.	14930.	1969.	7141.
Stddev	2.	4.	70.	7.	1.
%RSD	.1543	.1980	.4662	.3594	.0073

#1	1542.	1895.	14880.	1964.	7142.
#2	1539.	1890.	14980.	1974.	7141.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	5918.0	46763.	13591.
Stddev	3.6	7.	53.
%RSD	.06115	.01448	.38784

#1	5915.5	46759.	13628.
#2	5920.6	46768.	13553.

Sample Name: 1115939_15864 Acquired: 6/24/2014 11:26:25 Type: Unk
 Method: 50ICP3 method build(v66) Mode: CONC Corr. Factor: 1.000000
 User: frw EPA 6010B: 50ICP3: Custom ID3:
 Comment:

Elem Line	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3130
IS Ref	328.068 {103}	308.215 {109}	189.042 {478}	249.678 {135}	455.403 { 74}	313.042 {108}
Units	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3710)
Avg	ppb	ppb	ppb	ppb	ppb	ppb
Stddev	432.4	F 331700.	1041.	1224.	2329.	865.7
%RSD	4.5	2765.	2.	7.	6.	.4
	1.044	.8337	.1821	.5372	.2671	.0497
#1	429.3	329700.	1042.	1220.	2334.	866.0
#2	435.6	333600.	1039.	1229.	2325.	865.4
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		300000.				
Low Limit		-1000.				

Elem Line	Ca3158	Cd2288	Co2286	Cr2677	Cu3247	Fe2714
IS Ref	315.887 {107}	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}
Units	(Y_3600)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)
Avg	ppb	ppb	ppb	ppb	ppb	ppb
Stddev	F 1062000.	979.8	1031.	1223.	1230.	360200.
%RSD	1177.	1.4	3.	.	1.	1403.
	.1108	.1476	.2554	.0320	.0949	.3895
#1	1062000.	980.9	1032.	1223.	1231.	359200.
#2	1063000.	978.8	1029.	1224.	1229.	361200.
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	200000.					
Low Limit	-1000.					

Sample Name: 1115939_15864 Acquired: 6/24/2014 11:26:25 Type: Unk
 Method: 50ICP3 method build(v66) Mode: CONC Corr. Factor: 1.000000
 User: frw EPA 6010B: 50ICP3: Custom ID3:
 Comment:

Elem	K_7664	Mg2790	Mn2576	Mo2020	Ni2316	Pb2203
Line	766.490 {44}	279.079 {121}	257.610 {131}	202.030 {467}	231.604 {446}	220.353 {453}
IS Ref	(Y_3710)	(Y_3600)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	75470.	410200.	9826.	897.4	1313.	1054.
Stddev	31.	1431.	35.	4.4	3.	3.
%RSD	.0413	.3487	.3587	.4913	.2611	.3003
#1	75490.	409200.	9801.	900.6	1316.	1056.
#2	75450.	411200.	9851.	894.3	1311.	1051.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sb2068	Se1960	Si2881	Sn1899	Ti3372	Tl1908
Line	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	337.280 {100}	190.856 {477}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	249.2	893.7	23910.	889.4	5442.	953.7
Stddev	2.1	3.4	79.	.3	16.	3.2
%RSD	.8392	.3750	.3302	.0287	.2882	.3406
#1	247.7	891.3	23960.	889.6	5430.	956.0
#2	250.7	896.1	23850.	889.2	5453.	951.4
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 1115939_15864 Acquired: 6/24/2014 11:26:25 Type: Unk
 Method: 50ICP3 method build(v66) Mode: CONC Corr. Factor: 1.000000
 User: frw EPA 6010B: 50ICP3: Custom ID3:
 Comment:

Elem	V_2924	Zn2062	Na5895	Sr4077	P_1774
Line	292.464 {115}	206.200 {463}	589.592 { 57}	407.771 { 83}	177.495 {490}
IS Ref	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb
Avg	1555.	1953.	14890.	1948.	7272.
Stddev	11.	3.	28.	6.	7.
%RSD	.6981	.1317	.1886	.2978	.0989

#1	1548.	1955.	14910.	1952.	7277.
#2	1563.	1951.	14870.	1944.	7267.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	5978.0	47151.	13651.
Stddev	7.8	135.	81.
%RSD	.13011	.28703	.59434

#1	5972.5	47246.	13594.
#2	5983.5	47055.	13708.

Sample Name: CCV Acquired: 6/24/2014 11:34:46 Type: QC
 Method: 50ICP3 method build(v66) Mode: CONC Corr. Factor: 1.000000
 User: frw EPA 6010B: 50ICP3: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3130
Line	328.068 {103}	308.215 {109}	189.042 {478}	249.678 {135}	455.403 {74}	313.042 {108}
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	487.2	10040.	1026.	1024.	1010.	981.4
Stddev	2.9	26.	1.	2.	2.	3.7
%RSD	.5897	.2604	.1096	.1954	.1791	.3804

#1	489.2	10020.	1026.	1023.	1011.	984.1
#2	485.1	10050.	1027.	1026.	1008.	978.8

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Ca3158	Cd2288	Co2286	Cr2677	Cu3247	Fe2714
Line	315.887 {107}	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}
IS Ref	(Y_3600)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	10100.	1002.	1001.	983.9	978.9	10150.
Stddev	32.	.	3.	1.6	6.2	6.
%RSD	.3182	.0322	.2746	.1595	.6324	.0622

#1	10080.	1002.	1003.	982.8	974.6	10160.
#2	10130.	1002.	999.0	985.0	983.3	10150.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 6/24/2014 11:34:46 Type: QC
 Method: 50ICP3 method build(v66) Mode: CONC Corr. Factor: 1.000000
 User: frw EPA 6010B: 50ICP3: Custom ID3:
 Comment:

Elem	K_7664	Mg2790	Mn2576	Mo2020	Ni2316	Pb2203
Line	766.490 {44}	279.079 {121}	257.610 {131}	202.030 {467}	231.604 {446}	220.353 {453}
IS Ref	(Y_3710)	(Y_3600)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	9888.	10080.	1011.	1045.	994.0	1008.
Stddev	25.	18.	1.	7.	3.8	1.
%RSD	.2478	.1791	.0806	.6285	.3861	.1143
#1	9905.	10070.	1011.	1050.	996.7	1009.
#2	9870.	10090.	1012.	1041.	991.3	1007.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Sb2068	Se1960	Si2881	Sn1899	Ti3372	Tl1908
Line	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	337.280 {100}	190.856 {477}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1023.	1006.	4700.	1018.	1032.	995.4
Stddev	4.	1.	27.	1.	2.	4.1
%RSD	.3907	.0530	.5820	.1464	.1541	.4106
#1	1026.	1006.	4681.	1019.	1031.	998.3
#2	1020.	1006.	4719.	1017.	1033.	992.6
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 6/24/2014 11:34:46 Type: QC
 Method: 50ICP3 method build(v66) Mode: CONC Corr. Factor: 1.000000
 User: frw EPA 6010B: 50ICP3: Custom ID3:
 Comment:

Elem	V_2924	Zn2062	Na5895	Sr4077	P_1774
Line	292.464 {115}	206.200 {463}	589.592 { 57}	407.771 { 83}	177.495 {490}
IS Ref	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb
Avg	1048.	987.2	9938.	993.6	1027.
Stddev	1.	2.4	30.	2.1	3.
%RSD	.0602	.2428	.3004	.2116	.2739

#1	1047.	988.9	9959.	995.1	1029.
#2	1048.	985.5	9917.	992.1	1025.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	6253.7	46664.	12961.
Stddev	16.2	116.	123.
%RSD	.25970	.24916	.94969

#1	6242.3	46746.	12874.
#2	6265.2	46582.	13048.

Sample Name: CCB Acquired: 6/24/2014 11:36:38 Type: QC
 Method: 50ICP3 method build(v66) Mode: CONC Corr. Factor: 1.000000
 User: frw EPA 6010B: 50ICP3: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3130
Line	328.068 {103}	308.215 {109}	189.042 {478}	249.678 {135}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.1009	11.00	.7760	2.441	-.0061	.0756
Stddev	1.402	1.60	2.022	.113	.0179	.0686
%RSD	1389.	14.52	260.5	4.616	292.7	90.65
#1	1.092	12.13	-.6536	2.362	-.0187	.0272
#2	-.8903	9.870	2.206	2.521	.0065	.1241
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca3158	Cd2288	Co2286	Cr2677	Cu3247	Fe2714
Line	315.887 {107}	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}
IS Ref	(Y_3600)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	13.45	-.0009	.0763	.3454	.3123	22.99
Stddev	.10	.0340	.0015	5.351	1.315	7.80
%RSD	.7413	3673.	1.936	1549.	421.1	33.92
#1	13.38	.0231	.0774	4.129	-.6175	28.50
#2	13.52	-.0250	.0753	-3.438	1.242	17.47
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 6/24/2014 11:36:38 Type: QC
 Method: 50ICP3 method build(v66) Mode: CONC Corr. Factor: 1.000000
 User: frw EPA 6010B: 50ICP3: Custom ID3:
 Comment:

Elem	K_7664	Mg2790	Mn2576	Mo2020	Ni2316	Pb2203
Line	766.490 {44}	279.079 {121}	257.610 {131}	202.030 {467}	231.604 {446}	220.353 {453}
IS Ref	(Y_3710)	(Y_3600)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	47.15	5.116	-1.103	8.287	-1.121	-4.277
Stddev	7.22	.189	.0355	1.196	.3219	1.339
%RSD	15.31	3.702	32.21	14.44	287.2	313.1

#1	42.04	5.250	-.0852	7.441	-.3397	.5193
#2	52.26	4.982	-.1354	9.132	.1155	-1.375

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sb2068	Se1960	Si2881	Sn1899	Ti3372	Tl1908
Line	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	337.280 {100}	190.856 {477}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3.430	.2000	8.540	4.250	1.799	-.2574
Stddev	.668	.0707	2.354	.776	.084	1.260
%RSD	19.48	35.35	27.57	18.26	4.652	489.3

#1	2.958	.2500	10.20	3.701	1.740	.6333
#2	3.903	.1500	6.875	4.798	1.858	-1.148

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 6/24/2014 11:36:38 Type: QC
 Method: 50ICP3 method build(v66) Mode: CONC Corr. Factor: 1.000000
 User: frw EPA 6010B: 50ICP3: Custom ID3:
 Comment:

Elem	V_2924	Zn2062	Na5895	Sr4077	P_1774
Line	292.464 {115}	206.200 {463}	589.592 { 57}	407.771 { 83}	177.495 {490}
IS Ref	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb
Avg	.7345	-.3933	34.28	-.0013	-1.680
Stddev	.2338	.0036	7.65	.0357	.962
%RSD	31.83	.9160	22.32	2744.	57.28

#1	.5692	-.3958	39.69	.0239	-.9997
#2	.8997	-.3907	28.87	-.0265	-2.361

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	6270.2	47027.	12986.
Stddev	5.4	5.	42.
%RSD	.08689	.01158	.32465

#1	6266.4	47024.	12956.
#2	6274.1	47031.	13016.

Sample Name: CRDL Acquired: 6/24/2014 11:38:46 Type: QC
 Method: 50ICP3 method build(v66) Mode: CONC Corr. Factor: 1.000000
 User: frw EPA 6010B: 50ICP3: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3130
Line	328.068 {103}	308.215 {109}	189.042 {478}	249.678 {135}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	9.603	221.8	12.37	116.9	10.67	4.220
Stddev	4.371	.3	1.40	1.5	.02	.027
%RSD	45.52	.1413	11.31	1.275	.1490	.6432
#1	6.512	222.1	13.36	115.8	10.66	4.240
#2	12.69	221.6	11.38	117.9	10.69	4.201
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca3158	Cd2288	Co2286	Cr2677	Cu3247	Fe2714
Line	315.887 {107}	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}
IS Ref	(Y_3600)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1146.	2.175	10.39	9.634	11.77	128.8
Stddev	7.	.090	.18	1.633	3.22	.8
%RSD	.6170	4.149	1.696	16.95	27.33	.6554
#1	1141.	2.111	10.52	10.79	14.05	129.4
#2	1151.	2.239	10.27	8.480	9.499	128.2
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CRDL Acquired: 6/24/2014 11:38:46 Type: QC
 Method: 50ICP3 method build(v66) Mode: CONC Corr. Factor: 1.000000
 User: frw EPA 6010B: 50ICP3: Custom ID3:
 Comment:

Elem	K_7664	Mg2790	Mn2576	Mo2020	Ni2316	Pb2203
Line	766.490 {44}	279.079 {121}	257.610 {131}	202.030 {467}	231.604 {446}	220.353 {453}
IS Ref	(Y_3710)	(Y_3600)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1169.	1113.	11.10	12.05	10.19	8.793
Stddev	4.	4.	.12	.10	.04	1.208
%RSD	.3622	.3442	1.069	.8590	.4057	13.74
#1	1166.	1116.	11.02	11.98	10.16	9.647
#2	1172.	1111.	11.19	12.12	10.21	7.939
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sb2068	Se1960	Si2881	Sn1899	Ti3372	Tl1908
Line	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	337.280 {100}	190.856 {477}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	6.409	10.86	224.2	12.42	11.72	8.103
Stddev	2.389	.84	4.7	.45	.88	.136
%RSD	37.28	7.775	2.103	3.636	7.468	1.680
#1	4.719	10.26	220.8	12.74	12.34	8.007
#2	8.099	11.46	227.5	12.10	11.10	8.199
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CRDL Acquired: 6/24/2014 11:38:46 Type: QC
 Method: 50ICP3 method build(v66) Mode: CONC Corr. Factor: 1.000000
 User: frw EPA 6010B: 50ICP3: Custom ID3:
 Comment:

Elem	V_2924	Zn2062	Na5895	Sr4077	P_1774
Line	292.464 {115}	206.200 {463}	589.592 { 57}	407.771 { 83}	177.495 {490}
IS Ref	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb
Avg	12.09	21.24	1138.	10.30	1159.
Stddev	.81	.22	3.	.01	6.
%RSD	6.735	1.059	.2504	.1186	.4791
#1	11.51	21.39	1140.	10.31	1163.
#2	12.66	21.08	1136.	10.30	1155.

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	6286.6	47134.	13088.
Stddev	13.7	37.	41.
%RSD	.21791	.07802	.31307
#1	6276.9	47160.	13059.
#2	6296.3	47108.	13117.

Sample Name: 5099688008 x10_15864 Acquired: 6/24/2014 11:42:53 Type: Unk

Method: 50ICP3 method build(v66) Mode: CONC Corr. Factor: 1.000000

User: frw EPA 6010B: 50ICP3: Custom ID3:

Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3130
Line	328.068 {103}	308.215 {109}	189.042 {478}	249.678 {135}	455.403 {74}	313.042 {108}
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.357	7085.	13.60	10.24	92.09	.4366
Stddev	1.217	9.	2.62	.65	.13	.0522
%RSD	89.72	.1244	19.24	6.312	.1403	11.95

#1	-2.217	7091.	11.75	9.781	92.00	.4735
#2	-4.960	7078.	15.45	10.69	92.19	.3997

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca3158	Cd2288	Co2286	Cr2677	Cu3247	Fe2714
Line	315.887 {107}	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}
IS Ref	(Y_3600)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	18280.	3.504	9.519	52.32	201.6	62090.
Stddev	54.	.022	.003	.18	1.6	194.
%RSD	.2967	.6274	.0325	.3529	.7801	.3127

#1	18320.	3.489	9.522	52.45	202.7	62220.
#2	18240.	3.520	9.517	52.19	200.5	61950.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 5099688008 x10_15864 Acquired: 6/24/2014 11:42:53 Type: Unk

Method: 50ICP3 method build(v66) Mode: CONC Corr. Factor: 1.000000

User: frw EPA 6010B: 50ICP3: Custom ID3:

Comment:

Elem	K_7664	Mg2790	Mn2576	Mo2020	Ni2316	Pb2203
Line	766.490 {44}	279.079 {121}	257.610 {131}	202.030 {467}	231.604 {446}	220.353 {453}
IS Ref	(Y_3710)	(Y_3600)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1035.	7982.	2503.	9.368	69.81	260.7
Stddev	.	10.	3.	.127	.12	.7
%RSD	.0087	.1309	.1202	1.352	.1745	.2700

#1	1035.	7990.	2505.	9.457	69.89	260.2
#2	1035.	7975.	2500.	9.278	69.72	261.2

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sb2068	Se1960	Si2881	Sn1899	Ti3372	Tl1908
Line	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	337.280 {100}	190.856 {477}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.381	-4170	402.8	77.72	231.6	3.546
Stddev	.404	1.905	8.4	.17	.5	.488
%RSD	29.25	456.9	2.091	.2141	.1972	13.76

#1	1.095	.9301	396.8	77.84	231.2	3.201
#2	1.666	-1.764	408.7	77.61	231.9	3.891

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 5099688008 x10_15864 Acquired: 6/24/2014 11:42:53 Type: Unk

Method: 50ICP3 method build(v66) Mode: CONC Corr. Factor: 1.000000

User: frw EPA 6010B: 50ICP3: Custom ID3:

Comment:

Elem	V_2924	Zn2062	Na5895	Sr4077	P_1774
Line	292.464 {115}	206.200 {463}	589.592 { 57}	407.771 { 83}	177.495 {490}
IS Ref	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb
Avg	36.96	1102.	307.1	38.81	249.4
Stddev	1.60	.	2.7	.28	1.9
%RSD	4.316	.0201	.8648	.7120	.7429

#1	38.09	1102.	308.9	38.61	250.7
#2	35.83	1102.	305.2	39.00	248.1

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	6321.6	47448.	13199.
Stddev	20.2	81.	15.
%RSD	.31998	.16994	.11317

#1	6307.3	47391.	13188.
#2	6335.9	47505.	13209.

Sample Name: 1115942 x10_15864 Acquired: 6/24/2014 11:44:55 Type: Unk

Method: 50ICP3 method build(v66) Mode: CONC Corr. Factor: 1.000000

User: frw EPA 6010B: 50ICP3: Custom ID3:

Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3130
Line	328.068 {103}	308.215 {109}	189.042 {478}	249.678 {135}	455.403 {74}	313.042 {108}
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	45.99	9025.	116.3	107.0	183.0	99.08
Stddev	.67	19.	.6	.1	.1	.26
%RSD	1.453	.2148	.5460	.0494	.0477	.2659

#1	45.52	9039.	116.8	107.0	183.1	98.90
#2	46.46	9012.	115.9	107.1	182.9	99.27

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca3158	Cd2288	Co2286	Cr2677	Cu3247	Fe2714
Line	315.887 {107}	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}
IS Ref	(Y_3600)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	21350.	103.3	109.1	145.2	225.3	46400.
Stddev	10.	.1	.2	1.4	6.0	90.
%RSD	.0477	.0753	.2270	.9668	2.661	.1937

#1	21350.	103.4	108.9	146.2	221.1	46470.
#2	21360.	103.2	109.3	144.2	229.6	46340.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 1115942 x10_15864 Acquired: 6/24/2014 11:44:55 Type: Unk
 Method: 50ICP3 method build(v66) Mode: CONC Corr. Factor: 1.000000
 User: frw EPA 6010B: 50ICP3: Custom ID3:
 Comment:

Elem	K_7664	Mg2790	Mn2576	Mo2020	Ni2316	Pb2203
Line	766.490 {44}	279.079 {121}	257.610 {131}	202.030 {467}	231.604 {446}	220.353 {453}
IS Ref	(Y_3710)	(Y_3600)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2142.	8662.	1636.	109.9	138.5	314.0
Stddev	19.	15.	1.	.5	.3	2.9
%RSD	.9028	.1720	.0319	.4476	.2226	.9372
#1	2156.	8673.	1636.	110.2	138.7	316.1
#2	2128.	8652.	1636.	109.5	138.3	312.0
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sb2068	Se1960	Si2881	Sn1899	Ti3372	Tl1908
Line	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	337.280 {100}	190.856 {477}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	57.71	102.4	707.4	142.3	399.1	101.9
Stddev	.29	2.4	7.3	.1	.7	1.3
%RSD	.5074	2.342	1.027	.0848	.1748	1.290
#1	57.92	100.7	702.2	142.4	399.6	102.8
#2	57.51	104.1	712.5	142.2	398.6	100.9
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 1115942 x10_15864 Acquired: 6/24/2014 11:44:55 Type: Unk
 Method: 50ICP3 method build(v66) Mode: CONC Corr. Factor: 1.000000
 User: frw EPA 6010B: 50ICP3: Custom ID3:
 Comment:

Elem	V_2924	Zn2062	Na5895	Sr4077	P_1774
Line	292.464 {115}	206.200 {463}	589.592 { 57}	407.771 { 83}	177.495 {490}
IS Ref	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb
Avg	134.8	830.0	1274.	132.0	357.4
Stddev	1.9	1.3	11.	.4	1.1
%RSD	1.398	.1601	.8577	.3403	.3087

#1	133.5	830.9	1282.	132.3	356.6
#2	136.2	829.0	1266.	131.7	358.1

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	6292.0	47142.	13135.
Stddev	6.3	24.	15.
%RSD	.10011	.05169	.11792

#1	6287.5	47125.	13124.
#2	6296.5	47159.	13146.

Sample Name: 1115943 x10_15864 Acquired: 6/24/2014 11:46:56 Type: Unk
 Method: 50ICP3 method build(v66) Mode: CONC Corr. Factor: 1.000000
 User: frw EPA 6010B: 50ICP3: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3130
Line	328.068 {103}	308.215 {109}	189.042 {478}	249.678 {135}	455.403 {74}	313.042 {108}
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	46.90	10670.	116.5	106.7	215.7	99.56
Stddev	.88	5.	.7	.5	.4	.26
%RSD	1.872	.0429	.6107	.4480	.1908	.2617
#1	47.52	10680.	116.0	107.0	216.0	99.75
#2	46.28	10670.	117.0	106.3	215.4	99.38
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca3158	Cd2288	Co2286	Cr2677	Cu3247	Fe2714
Line	315.887 {107}	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}
IS Ref	(Y_3600)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	35750.	103.8	110.7	163.6	270.5	66620.
Stddev	105.	.3	.2	4.3	4.7	112.
%RSD	.2948	.2739	.1638	2.622	1.734	.1675
#1	35680.	104.0	110.6	160.6	273.8	66540.
#2	35830.	103.6	110.8	166.7	267.2	66700.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 1115943 x10_15864 Acquired: 6/24/2014 11:46:56 Type: Unk

Method: 50ICP3 method build(v66) Mode: CONC Corr. Factor: 1.000000

User: frw EPA 6010B: 50ICP3: Custom ID3:

Comment:

Elem	K_7664	Mg2790	Mn2576	Mo2020	Ni2316	Pb2203
Line	766.490 {44}	279.079 {121}	257.610 {131}	202.030 {467}	231.604 {446}	220.353 {453}
IS Ref	(Y_3710)	(Y_3600)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2442.	12190.	1965.	112.5	151.7	364.9
Stddev	24.	12.	4.	.5	1.0	4.0
%RSD	.9807	.1002	.1868	.4018	.6688	1.090

#1	2459.	12180.	1963.	112.8	152.5	362.1
#2	2425.	12200.	1968.	112.2	151.0	367.7

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sb2068	Se1960	Si2881	Sn1899	Ti3372	Tl1908
Line	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	337.280 {100}	190.856 {477}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	54.93	103.9	572.6	151.0	424.4	103.5
Stddev	.53	1.1	5.0	.1	.0	.4
%RSD	.9704	1.026	.8715	.0574	.0033	.3931

#1	55.31	103.2	569.1	151.1	424.4	103.8
#2	54.55	104.7	576.1	150.9	424.4	103.2

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 1115943 x10_15864 Acquired: 6/24/2014 11:46:56 Type: Unk
 Method: 50ICP3 method build(v66) Mode: CONC Corr. Factor: 1.000000
 User: frw EPA 6010B: 50ICP3: Custom ID3:
 Comment:

Elem	V_2924	Zn2062	Na5895	Sr4077	P_1774
Line	292.464 {115}	206.200 {463}	589.592 { 57}	407.771 { 83}	177.495 {490}
IS Ref	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb
Avg	144.0	932.4	1307.	144.5	411.2
Stddev	2.0	3.2	4.	.3	.9
%RSD	1.422	.3411	.2913	.2135	.2152
#1	145.4	934.7	1305.	144.3	410.6
#2	142.5	930.2	1310.	144.7	411.9
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					
Int. Std.	Y_2243	Y_3600	Y_3710		
Line	224.306 {450}	360.073 { 94}	371.030 { 91}		
Units	Cts/S	Cts/S	Cts/S		
Avg	6281.7	47197.	13105.		
Stddev	13.7	10.	55.		
%RSD	.21733	.02113	.41807		
#1	6272.1	47204.	13066.		
#2	6291.4	47190.	13144.		

Sample Name: 5099688011 x10_15864 Acquired: 6/24/2014 11:48:56 Type: Unk

Method: 50ICP3 method build(v66) Mode: CONC Corr. Factor: 1.000000

User: frw EPA 6010B: 50ICP3: Custom ID3:

Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3130
Line	328.068 {103}	308.215 {109}	189.042 {478}	249.678 {135}	455.403 {74}	313.042 {108}
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-2.311	7534.	41.40	12.90	66.07	1.041
Stddev	.560	2.	1.60	.64	.40	.006
%RSD	24.22	.0296	3.871	4.945	.5986	.5741

#1	-2.707	7532.	42.54	12.45	65.79	1.046
#2	-1.915	7535.	40.27	13.36	66.35	1.037

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca3158	Cd2288	Co2286	Cr2677	Cu3247	Fe2714
Line	315.887 {107}	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}
IS Ref	(Y_3600)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2012.	1.189	8.104	27.81	668.6	99980.
Stddev	2.	.081	.219	1.43	.6	15.
%RSD	.0859	6.775	2.707	5.145	.0941	.0149

#1	2013.	1.132	8.259	28.82	668.2	99990.
#2	2010.	1.246	7.949	26.80	669.1	99970.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 5099688011 x10_15864 Acquired: 6/24/2014 11:48:56 Type: Unk

Method: 50ICP3 method build(v66) Mode: CONC Corr. Factor: 1.000000

User: frw EPA 6010B: 50ICP3: Custom ID3:

Comment:

Elem	K_7664	Mg2790	Mn2576	Mo2020	Ni2316	Pb2203
Line	766.490 {44}	279.079 {121}	257.610 {131}	202.030 {467}	231.604 {446}	220.353 {453}
IS Ref	(Y_3710)	(Y_3600)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	678.3	857.1	1520.	3.896	20.35	73.00
Stddev	5.7	4.0	.	.022	.09	1.16
%RSD	.8342	.4614	.0221	.5585	.4263	1.586

#1	682.3	859.9	1521.	3.911	20.28	73.82
#2	674.3	854.3	1520.	3.880	20.41	72.19

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sb2068	Se1960	Si2881	Sn1899	Ti3372	Tl1908
Line	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	337.280 {100}	190.856 {477}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.792	-1.107	567.1	11.64	526.3	9.556
Stddev	.962	.324	9.9	.56	.6	2.401
%RSD	53.67	29.30	1.749	4.772	.1101	25.13

#1	1.112	-0.8778	574.1	11.24	525.9	7.858
#2	2.472	-1.337	560.1	12.03	526.7	11.25

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 5099688011 x10_15864 Acquired: 6/24/2014 11:48:56 Type: Unk

Method: 50ICP3 method build(v66) Mode: CONC Corr. Factor: 1.000000

User: frw EPA 6010B: 50ICP3: Custom ID3:

Comment:

Elem	V_2924	Zn2062	Na5895	Sr4077	P_1774
Line	292.464 {115}	206.200 {463}	589.592 { 57}	407.771 { 83}	177.495 {490}
IS Ref	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb
Avg	70.14	798.7	150.0	27.45	1037.
Stddev	.06	1.8	5.1	.05	1.
%RSD	.0803	.2230	3.407	.1688	.1081

#1	70.18	797.5	153.6	27.42	1038.
#2	70.10	800.0	146.4	27.48	1036.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	6331.7	47637.	13241.
Stddev	3.4	201.	24.
%RSD	.05359	.42102	.18203

#1	6334.1	47495.	13224.
#2	6329.3	47779.	13258.

Sample Name: 5099688012 x10_15864 Acquired: 6/24/2014 11:50:58 Type: Unk

Method: 50ICP3 method build(v66) Mode: CONC Corr. Factor: 1.000000

User: frw EPA 6010B: 50ICP3: Custom ID3:

Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3130
Line	328.068 {103}	308.215 {109}	189.042 {478}	249.678 {135}	455.403 {74}	313.042 {108}
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-2990	7714.	7.443	8.762	55.13	.5251
Stddev	1.680	17.	.027	.514	.35	.0879
%RSD	561.9	.2237	.3601	5.868	.6301	16.74

#1	.8890	7726.	7.462	9.126	54.89	.4629
#2	-1.487	7702.	7.424	8.399	55.38	.5872

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca3158	Cd2288	Co2286	Cr2677	Cu3247	Fe2714
Line	315.887 {107}	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}
IS Ref	(Y_3600)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	5262.	.1711	3.160	32.39	59.33	48590.
Stddev	19.	.0461	.089	2.96	.29	15.
%RSD	.3573	26.94	2.812	9.126	.4850	.0315

#1	5249.	.1385	3.097	30.30	59.13	48600.
#2	5275.	.2036	3.223	34.48	59.54	48580.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 5099688012 x10_15864 Acquired: 6/24/2014 11:50:58 Type: Unk

Method: 50ICP3 method build(v66) Mode: CONC Corr. Factor: 1.000000

User: frw EPA 6010B: 50ICP3: Custom ID3:

Comment:

Elem	K_7664	Mg2790	Mn2576	Mo2020	Ni2316	Pb2203
Line	766.490 {44}	279.079 {121}	257.610 {131}	202.030 {467}	231.604 {446}	220.353 {453}
IS Ref	(Y_3710)	(Y_3600)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	658.0	2589.	378.1	5.817	26.87	9.453
Stddev	25.3	2.	.2	.249	.35	1.200
%RSD	3.837	.0758	.0459	4.281	1.302	12.69

#1	640.1	2591.	378.2	5.641	27.11	8.604
#2	675.8	2588.	378.0	5.993	26.62	10.30

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sb2068	Se1960	Si2881	Sn1899	Ti3372	Tl1908
Line	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	337.280 {100}	190.856 {477}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.163	1.074	616.4	4.096	83.28	.6996
Stddev	.728	1.942	10.1	1.011	.51	.3632
%RSD	62.56	180.8	1.637	24.68	.6070	51.92

#1	.6485	2.448	623.6	3.381	82.92	.4428
#2	1.677	-.2989	609.3	4.811	83.64	.9565

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 5099688012 x10_15864 Acquired: 6/24/2014 11:50:58 Type: Unk

Method: 50ICP3 method build(v66) Mode: CONC Corr. Factor: 1.000000

User: frw EPA 6010B: 50ICP3: Custom ID3:

Comment:

Elem	V_2924	Zn2062	Na5895	Sr4077	P_1774
Line	292.464 {115}	206.200 {463}	589.592 { 57}	407.771 { 83}	177.495 {490}
IS Ref	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb
Avg	11.78	43.57	541.2	52.00	164.9
Stddev	.66	.18	7.3	.61	1.9
%RSD	5.621	.4174	1.357	1.164	1.138

#1	11.31	43.70	536.0	51.58	166.2
#2	12.25	43.44	546.4	52.43	163.6

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	6310.5	47187.	13220.
Stddev	15.7	16.	77.
%RSD	.24884	.03425	.58525

#1	6299.4	47176.	13275.
#2	6321.6	47199.	13166.

Sample Name: CCV Acquired: 6/24/2014 12:01:12 Type: QC
 Method: 50ICP3 method build(v66) Mode: CONC Corr. Factor: 1.000000
 User: frw EPA 6010B: 50ICP3: Custom ID3:
 Comment:

Elem Line	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3130
IS Ref	328.068 {103}	308.215 {109}	189.042 {478}	249.678 {135}	455.403 {74}	313.042 {108}
Units	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3710)
Avg	ppb	ppb	ppb	ppb	ppb	ppb
Stddev	473.0	9827.	999.7	1002.	983.6	952.9
%RSD	.2	11.	3.4	4.	.4	1.5
	.0448	.1096	.3358	.4448	.0396	.1541
#1	473.2	9820.	1002.	998.7	983.3	954.0
#2	472.9	9835.	997.3	1005.	983.9	951.9
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range						

Elem Line	Ca3158	Cd2288	Co2286	Cr2677	Cu3247	Fe2714
IS Ref	315.887 {107}	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}
Units	(Y_3600)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)
Avg	ppb	ppb	ppb	ppb	ppb	ppb
Stddev	9828.	975.4	976.0	955.6	958.9	9935.
%RSD	19.	.2	.5	5.8	5.0	41.
	.1978	.0177	.0558	.6048	.5255	.4174
#1	9814.	975.5	975.6	951.5	962.5	9905.
#2	9842.	975.3	976.3	959.6	955.4	9964.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range						

Sample Name: CCV Acquired: 6/24/2014 12:01:12 Type: QC
 Method: 50ICP3 method build(v66) Mode: CONC Corr. Factor: 1.000000
 User: frw EPA 6010B: 50ICP3: Custom ID3:
 Comment:

Elem Line	K_7664 766.490 {44}	Mg2790 279.079 {121}	Mn2576 257.610 {131}	Mo2020 202.030 {467}	Ni2316 231.604 {446}	Pb2203 220.353 {453}
IS Ref	(Y_3710)	(Y_3600)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	9578.	9856.	985.7	1018.	967.5	976.8
Stddev	1.	5.	1.6	5.	1.2	1.3
%RSD	.0078	.0475	.1654	.4646	.1224	.1327
#1	9578.	9853.	984.6	1021.	968.4	977.7
#2	9577.	9859.	986.9	1014.	966.7	975.9

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value
 Range

Elem Line	Sb2068 206.833 {463}	Se1960 196.090 {472}	Si2881 288.158 {117}	Sn1899 189.989 {477}	Ti3372 337.280 {100}	Tl1908 190.856 {477}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	997.6	983.1	4593.	990.4	1002.	967.3
Stddev	4.3	.1	20.	1.4	1.	1.0
%RSD	.4264	.0146	.4375	.1436	.1475	.1037
#1	1001.	983.2	4578.	989.4	1001.	968.0
#2	994.6	983.0	4607.	991.4	1003.	966.6

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value
 Range

Sample Name: CCV Acquired: 6/24/2014 12:01:12 Type: QC
 Method: 50ICP3 method build(v66) Mode: CONC Corr. Factor: 1.000000
 User: frw EPA 6010B: 50ICP3: Custom ID3:
 Comment:

Elem	V_2924	Zn2062	Na5895	Sr4077	P_1774
Line	292.464 {115}	206.200 {463}	589.592 { 57}	407.771 { 83}	177.495 {490}
IS Ref	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb
Avg	1022.	961.3	9670.	967.5	1004.
Stddev	3.	1.3	9.	1.2	1.
%RSD	.3108	.1365	.0947	.1220	.0777

#1	1019.	960.4	9664.	966.7	1004.
#2	1024.	962.3	9677.	968.4	1003.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	6396.3	47838.	13373.
Stddev	13.2	75.	18.
%RSD	.20568	.15706	.13508

#1	6387.0	47785.	13361.
#2	6405.6	47891.	13386.

Sample Name: CCB Acquired: 6/24/2014 12:03:05 Type: QC
 Method: 50ICP3 method build(v66) Mode: CONC Corr. Factor: 1.000000
 User: frw EPA 6010B: 50ICP3: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3130
Line	328.068 {103}	308.215 {109}	189.042 {478}	249.678 {135}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-4.096	8.752	.6764	2.833	.2162	.0040
Stddev	1.455	2.543	1.421	.676	.0872	.0240
%RSD	35.52	29.06	210.1	23.87	40.34	604.4
#1	-3.067	6.954	1.681	2.355	.2779	.0209
#2	-5.125	10.55	-.3284	3.311	.1545	-.0130
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca3158	Cd2288	Co2286	Cr2677	Cu3247	Fe2714
Line	315.887 {107}	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}
IS Ref	(Y_3600)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-2.006	.0405	.0040	-.0891	3.824	24.42
Stddev	1.042	.0304	.1780	3.386	2.515	6.64
%RSD	51.93	75.04	4412.	3799.	65.76	27.21
#1	-2.743	.0190	-.1218	-2.483	5.602	29.12
#2	-1.269	.0620	.1299	2.305	2.046	19.72
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 6/24/2014 12:03:05 Type: QC
 Method: 50ICP3 method build(v66) Mode: CONC Corr. Factor: 1.000000
 User: frw EPA 6010B: 50ICP3: Custom ID3:
 Comment:

Elem	K_7664	Mg2790	Mn2576	Mo2020	Ni2316	Pb2203
Line	766.490 {44}	279.079 {121}	257.610 {131}	202.030 {467}	231.604 {446}	220.353 {453}
IS Ref	(Y_3710)	(Y_3600)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	24.73	4.181	-0.760	7.882	-0.0073	-1.560
Stddev	.58	.262	.0738	1.009	.1041	1.493
%RSD	2.349	6.270	97.06	12.80	1422.	95.68
#1	24.32	4.367	-1.282	7.169	-0.0809	-2.616
#2	25.14	3.996	-0.238	8.595	.0663	-0.5047
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sb2068	Se1960	Si2881	Sn1899	Ti3372	Tl1908
Line	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	337.280 {100}	190.856 {477}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.594	-1.127	2.455	3.711	1.321	-0.0770
Stddev	1.194	1.646	3.765	.907	.096	.3257
%RSD	46.04	146.0	153.4	24.44	7.226	422.9
#1	1.749	.0363	-0.2075	3.069	1.389	-0.3073
#2	3.438	-2.291	5.118	4.352	1.254	.1533
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 6/24/2014 12:03:05 Type: QC
 Method: 50ICP3 method build(v66) Mode: CONC Corr. Factor: 1.000000
 User: frw EPA 6010B: 50ICP3: Custom ID3:
 Comment:

Elem	V_2924	Zn2062	Na5895	Sr4077	P_1774
Line	292.464 {115}	206.200 {463}	589.592 { 57}	407.771 { 83}	177.495 {490}
IS Ref	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb
Avg	1.186	-2.2557	28.40	.0747	-2.370
Stddev	2.353	.1032	5.10	.0363	.452
%RSD	198.4	40.37	17.97	48.53	19.07
#1	2.850	-.1827	24.79	.0491	-2.051
#2	-.4777	-.3287	32.01	.1004	-2.690

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	6461.4	48227.	13352.
Stddev	18.2	10.	7.
%RSD	.28111	.02088	.04975
#1	6448.5	48235.	13357.
#2	6474.2	48220.	13348.

Batch Information: MPRP 13629

Template Version: EF-IN-I-318(rev.00, 30Nov2011)

Prep Method	EPA 3050
Solid Matrix Lot	56184
Correction Factor (C)	1.7
Digestion Vessel Lot	69959

Analysis Method	EPA 6010
Instrument	50BAL7
Corrected Temp. (C)	94.4
Batch Notes	FILTER# 70437

Extracted By	BKK
Block ID	6
Acceptance Range:	95+/-3 C
Reviewed By	FRW

Extracted By Date	06/23/2014 10:03:37:578
Block Temp (C)	92.7
Thermometer ID	PT-187
Reviewed By Date	06/24/2014 09:25

Sample Information:

QC Rule	Sample Type	Lab Sample ID	Matrix	Initial Weight (g)	1:1 HNO3 (mL)	H2O2 (mL)	Conc. HCL (mL)	Final Volume (mL)	Due Date	Sample Notes	6010-SPK (mL)
6010 S_P	BLANK	1115936	Solid	1	69701 (5)	70782 (4)	63037 (5)	50			
6010 S_P	LCS	1115937	Solid	1	69701 (5)	70782 (4)	63037 (5)	50			71131 (1)
6010 S_P	RQS	5099697001	Solid	1.042	69701 (5)	70782 (4)	63037 (5)	50			
6010 S_P	MS	1115938	Solid	1.035	69701 (5)	70782 (4)	63037 (5)	50			71131 (1)
6010 S_P	MSD	1115939	Solid	1.048	69701 (5)	70782 (4)	63037 (5)	50			71131 (1)
6010 S_P	PS	5099697002	Solid	1.153	69701 (5)	70782 (4)	63037 (5)	50			
6010 S_P	PS	5099697003	Solid	1.167	69701 (5)	70782 (4)	63037 (5)	50			
6010 S_P	PS	5099556002	Solid	1.124	69701 (5)	70782 (4)	63037 (5)	50			
6010 S_P	PS	5099683001	Solid	1.055	69701 (5)	70782 (4)	63037 (5)	50			
6010 S_P	RQS	5099688001	Solid	1.153	69701 (5)	70782 (4)	63037 (5)	50			
6010 S_P	MS	1115940	Solid	1.141	69701 (5)	70782 (4)	63037 (5)	50			71131 (1)
6010 S_P	MSD	1115941	Solid	1.186	69701 (5)	70782 (4)	63037 (5)	50			71131 (1)
6010 S_P	PS	5099688002	Solid	1	69701 (5)	70782 (4)	63037 (5)	50			
6010 S_P	PS	5099688003	Solid	1.129	69701 (5)	70782 (4)	63037 (5)	50			
6010 S_P	PS	5099688004	Solid	1.005	69701 (5)	70782 (4)	63037 (5)	50			
6010 S_P	PS	5099688005	Solid	1.198	69701 (5)	70782 (4)	63037 (5)	50			
6010 S_P	PS	5099688006	Solid	1.118	69701 (5)	70782 (4)	63037 (5)	50			
6010 S_P	PS	5099688007	Solid	1.131	69701 (5)	70782 (4)	63037 (5)	50			
6010 S_P	RQS	5099688008	Solid	1.089	69701 (5)	70782 (4)	63037 (5)	50			
6010 S_P	MS	1115942	Solid	1.114	69701 (5)	70782 (4)	63037 (5)	50			71131 (1)
6010 S_P	MSD	1115943	Solid	1.094	69701 (5)	70782 (4)	63037 (5)	50			71131 (1)
6010 S_P	PS	5099688009	Solid	1.025	69701 (5)	70782 (4)	63037 (5)	50			

Prep Log Report



QC Rule	Sample Type	Lab Sample ID	Matrix	Initial Weight (g)	1:1 HNO3 (mL)	H2O2 (mL)	Conc. HCL (mL)	Final Volume (mL)	Due Date	Sample Notes	6010-SPK (mL)
6010 S_P	PS	5099688010	Solid	1.124	69701 (5)	70782 (4)	63037 (5)	50			
6010 S_P	PS	5099688011	Solid	1.015	69701 (5)	70782 (4)	63037 (5)	50			
6010 S_P	PS	5099688012	Solid	1.202	69701 (5)	70782 (4)	63037 (5)	50			

Standard Notes:

71131: ICP-SPK

Batch Information: MPRP 13638

Prep Method	EPA 3010
Block ID	7
Thermometer ID	PT-174
Reviewed By Date	06/25/2014 15:39

Analysis Method	EPA 6010
Block Temp (C)	92
Digestion Vessel Lot	69959

Template Version: EF-IN-I-317(rev.00, 30Nov2011)

Extracted By	phb
Correction Factor (C)	+1.3
Batch Notes	

Extracted By Date	06/24/2014 14:44:39:170
Corrected Temp. (C)	93.3
Reviewed By	LLB

Sample Information:

QC Rule	Sample Type	Lab Sample ID	Matrix	Initial Volume (mL)	Conc. HNO3 (mL)	Conc. HCL (mL)	Final Volume (mL)	Sample Notes	6010-SPK (mL)
6010 W_P	BLANK	1116762	Water	50	64423 (2.5)	63037 (2)	50		
6010 W_P	LCS	1116763	Water	25	64423 (1.25)	63037 (1)	25		71131 (0.5)
6010 W_P	PS	5099762001	Water	50	64423 (2.5)	63037 (2)	50		
6010 W_P	PS	5099762002	Water	50	64423 (2.5)	63037 (2)	50		
6010 W_P	PS	5099762003	Water	50	64423 (2.5)	63037 (2)	50		
6010 W_P	PS	5099683002	Water	50	64423 (2.5)	63037 (2)	50		
6010 W_P	PS	5099688013	Water	50	64423 (2.5)	63037 (2)	50		
6010 W_P	RQS	5099737001	Water	50	64423 (2.5)	63037 (2)	50		
6010 W_P	MS	1116764	Water	25	64423 (1.25)	63037 (1)	25		71131 (0.5)
6010 W_P	MSD	1116765	Water	25	64423 (1.25)	63037 (1)	25		71131 (0.5)
6010 W_P	PS	5099737002	Water	50	64423 (2.5)	63037 (2)	50		
6010 W_P	PS	5099737003	Water	50	64423 (2.5)	63037 (2)	50		
6010 W_P	PS	5099737004	Water	50	64423 (2.5)	63037 (2)	50		
6010 W_P	PS	5099737005	Water	50	64423 (2.5)	63037 (2)	50		
6010 W_P	PS	5099735001	Water	50	64423 (2.5)	63037 (2)	50		
6010 W_P	PS	5099735002	Water	50	64423 (2.5)	63037 (2)	50		
6010 W_P	PS	5099735003	Water	50	64423 (2.5)	63037 (2)	50		
6010 W_P	PS	5099735004	Water	50	64423 (2.5)	63037 (2)	50		
6010 W_P	PS	5099735008	Water	50	64423 (2.5)	63037 (2)	50		
6010 W_P	PS	5099735009	Water	50	64423 (2.5)	63037 (2)	50		
6010 W_P	PS	5099735010	Water	50	64423 (2.5)	63037 (2)	50		

QC Rule	Sample Type	Lab Sample ID	Matrix	Initial Volume (mL)	Conc. HNO3 (mL)	Conc. HCL (mL)	Final Volume (mL)	Sample Notes	6010-SPK (mL)
6010 W_P	PS	5099735011	Water	50	64423 (2.5)	63037 (2)	50		

Standard Notes:

71131: ICP-SPK

FORM I INORGANIC-1
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

TMW-5(12-14)

Lab Name: Pace Analytical - Indiana SDG No. : 5099688 Contract: Sibley-Accucast/2339-356-
Lab Sample ID: 5099688001 Percent Moisture: _____

CAS No.	Analyte	Concentration	Q	Units	DF	Analysis Date/Time
	Percent Moisture	4.7		%	1	06/26/2014 11:50

FORM I INORGANIC-1
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

TMW-5(2-4)

Lab Name: Pace Analytical - Indiana SDG No. : 5099688 Contract: Sibley-Accucast/2339-356-
Lab Sample ID: 5099688002 Percent Moisture: _____

CAS No.	Analyte	Concentration	Q	Units	DF	Analysis Date/Time
	Percent Moisture	5.8		%	1	06/26/2014 11:50

FORM I INORGANIC-1
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

TMW-4(14-16)

Lab Name: Pace Analytical - Indiana SDG No. : 5099688 Contract: Sibley-Accucast/2339-356-
Lab Sample ID: 5099688003 Percent Moisture: _____

CAS No.	Analyte	Concentration	Q	Units	DF	Analysis Date/Time
	Percent Moisture	10.9		%	1	06/26/2014 11:50

FORM I INORGANIC-1
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

TMW-4(5-7)

Lab Name: Pace Analytical - Indiana SDG No. : 5099688 Contract: Sibley-Accucast/2339-356-
Lab Sample ID: 5099688004 Percent Moisture: _____

CAS No.	Analyte	Concentration	Q	Units	DF	Analysis Date/Time
	Percent Moisture	4.4		%	1	06/26/2014 11:51

FORM I INORGANIC-1
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

P-5(10-12)

Lab Name: Pace Analytical - Indiana SDG No. : 5099688 Contract: Sibley-Accucast/2339-356-
Lab Sample ID: 5099688005 Percent Moisture: _____

CAS No.	Analyte	Concentration	Q	Units	DF	Analysis Date/Time
	Percent Moisture	3.9		%	1	06/26/2014 11:51

FORM I INORGANIC-1
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

P-5(2-4)

Lab Name: Pace Analytical - Indiana SDG No. : 5099688 Contract: Sibley-Accucast/2339-356-
Lab Sample ID: 5099688006 Percent Moisture: _____

CAS No.	Analyte	Concentration	Q	Units	DF	Analysis Date/Time
	Percent Moisture	4.3		%	1	06/26/2014 11:52

FORM I INORGANIC-1
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

TMW-6(14-16)

Lab Name: Pace Analytical - Indiana SDG No. : 5099688 Contract: Sibley-Accucast/2339-356-
Lab Sample ID: 5099688007 Percent Moisture: _____

CAS No.	Analyte	Concentration	Q	Units	DF	Analysis Date/Time
	Percent Moisture	9.1		%	1	06/26/2014 12:10

FORM I INORGANIC-1
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

TMW-6(2-4)

Lab Name: Pace Analytical - Indiana SDG No. : 5099688 Contract: Sibley-Accucast/2339-356-
Lab Sample ID: 5099688008 Percent Moisture: _____

CAS No.	Analyte	Concentration	Q	Units	DF	Analysis Date/Time
	Percent Moisture	12.9		%	1	06/26/2014 12:10

FORM I INORGANIC-1
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

P-6(10-12)

Lab Name: Pace Analytical - Indiana SDG No. : 5099688 Contract: Sibley-Accucast/2339-356-
Lab Sample ID: 5099688009 Percent Moisture: _____

CAS No.	Analyte	Concentration	Q	Units	DF	Analysis Date/Time
	Percent Moisture	2.9		%	1	06/26/2014 12:10

FORM I INORGANIC-1
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

P-6(2-4)

Lab Name: Pace Analytical - Indiana SDG No. : 5099688 Contract: Sibley-Accucast/2339-356-
Lab Sample ID: 5099688010 Percent Moisture: _____

CAS No.	Analyte	Concentration	Q	Units	DF	Analysis Date/Time
	Percent Moisture	6.3		%	1	06/26/2014 12:10

FORM I INORGANIC-1
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

P-3 RE(2-4)

Lab Name: Pace Analytical - Indiana SDG No. : 5099688 Contract: Sibley-Accucast/2339-356-
Lab Sample ID: 5099688011 Percent Moisture: _____

CAS No.	Analyte	Concentration	Q	Units	DF	Analysis Date/Time
	Percent Moisture	12.2		%	1	06/26/2014 12:11

FORM I INORGANIC-1
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

P-8 RE(0-2)

Lab Name: Pace Analytical - Indiana SDG No. : 5099688 Contract: Sibley-Accucast/2339-356-
Lab Sample ID: 5099688012 Percent Moisture: _____

CAS No.	Analyte	Concentration	Q	Units	DF	Analysis Date/Time
	Percent Moisture	12.7		%	1	06/26/2014 12:11

FORM VI INORGANIC-1
DUPLICATES

SAMPLE NO.

1118069DUP

Lab Name: Pace Analytical - Indiana SDG No. : 5099688 Contract: Sibley-Accucast/2339-356-

Matrix: Solid Concentration Units: %

Percent Moisture: _____ Basis: Wet

Analyte	Control Limit	Sample	Duplicate	RPD
Percent Moisture	5	14.5	15.1	4

FORM VI INORGANIC-2
DUPLICATES

SAMPLE NO.

1118070DUP

Lab Name: Pace Analytical - Indiana SDG No. : 5099688 Contract: Sibley-Accucast/2339-356-

Matrix: Solid Concentration Units: %

Percent Moisture: _____ Basis: Wet

Analyte	Control Limit	Sample	Duplicate	RPD
Percent Moisture	5	4.7	4.6	3

FORM VI INORGANIC-1
DUPLICATES

SAMPLE NO.

1118071DUP

Lab Name: Pace Analytical - Indiana SDG No. : 5099688 Contract: Sibley-Accucast/2339-356-

Matrix: Solid Concentration Units: %

Percent Moisture: _____ Basis: Wet

Analyte	Control Limit	Sample	Duplicate	RPD
Percent Moisture	5	12.9	7.9	47*

* RPD outside QC Limits

07/21/2014 08:52

FORM VI INORGANIC-2
DUPLICATES

SAMPLE NO.

1118072DUP

Lab Name: Pace Analytical - Indiana SDG No. : 5099688 Contract: Sibley-Accucast/2339-356-

Matrix: Solid Concentration Units: %

Percent Moisture: _____ Basis: Wet

Analyte	Control Limit	Sample	Duplicate	RPD
Percent Moisture	5	19.0	18.6	2

FORM XII INORGANIC-1
PREPARATION LOG

Lab Name: Pace Analytical - Indiana SDG No. : 5099688 Contract: Sibley-Accucast/2339-356-03-00

Preparation Method: ASTM D2974-87 Batch: PMST 9615

Lab Sample ID	Sample Name	Preparation Date	Initial Volume (mL)	Final Volume (mL)
1118069	1118069DUP	06/26/2014	1	1
1118070	1118070DUP	06/26/2014	1	1
5099688001	TMW-5(12-14)	06/26/2014	1	1
5099688002	TMW-5(2-4)	06/26/2014	1	1
5099688003	TMW-4(14-16)	06/26/2014	1	1
5099688004	TMW-4(5-7)	06/26/2014	1	1
5099688005	P-5(10-12)	06/26/2014	1	1
5099688006	P-5(2-4)	06/26/2014	1	1

FORM XII INORGANIC-1
PREPARATION LOG

Lab Name: Pace Analytical - Indiana SDG No. : 5099688 Contract: Sibley-Accucast/2339-356-03-00

Preparation Method: ASTM D2974-87 Batch: PMST 9616

Lab Sample ID	Sample Name	Preparation Date	Initial Volume (mL)	Final Volume (mL)
1118071	1118071DUP	06/26/2014	1	1
1118072	1118072DUP	06/26/2014	1	1
5099688007	TMW-6(14-16)	06/26/2014	1	1
5099688008	TMW-6(2-4)	06/26/2014	1	1
5099688009	P-6(10-12)	06/26/2014	1	1
5099688010	P-6(2-4)	06/26/2014	1	1
5099688011	P-3 RE(2-4)	06/26/2014	1	1
5099688012	P-8 RE(0-2)	06/26/2014	1	1

FORM XIII INORGANIC-1
ANALYSIS RUN LOG

Lab Name: Pace Analytical - Indiana SDG No. : 5099688 Contract: Sibley-Accucast/2339-356-03-00

Instrument ID: 50BAL4 Analysis Method: ASTM D2974-87

Start Date: 06/26/2014 11:48 End Date: 06/26/2014 12:14

Sample Name	Lab Sample ID	D/F	Date	Time	MO IST
5099682003	5099682003	1	06/26/2014	11:48	X
1118069DUP	1118069	1	06/26/2014	11:49	X
TMW-5(12-14)	5099688001	1	06/26/2014	11:50	X
1118070DUP	1118070	1	06/26/2014	11:50	X
TMW-5(2-4)	5099688002	1	06/26/2014	11:50	X
TMW-4(14-16)	5099688003	1	06/26/2014	11:50	X
TMW-4(5-7)	5099688004	1	06/26/2014	11:51	X
P-5(10-12)	5099688005	1	06/26/2014	11:51	X
P-5(2-4)	5099688006	1	06/26/2014	11:52	X
TMW-6(14-16)	5099688007	1	06/26/2014	12:10	X
TMW-6(2-4)	5099688008	1	06/26/2014	12:10	X
1118071DUP	1118071	1	06/26/2014	12:10	X
P-6(10-12)	5099688009	1	06/26/2014	12:10	X
P-6(2-4)	5099688010	1	06/26/2014	12:10	X
P-3 RE(2-4)	5099688011	1	06/26/2014	12:11	X
P-8 RE(0-2)	5099688012	1	06/26/2014	12:11	X
5099690014	5099690014	1	06/26/2014	12:13	X
1118072DUP	1118072	1	06/26/2014	12:14	X

Batch Information: PMST 9615

Template Version: EF-IN-Q-337-Rev.00 (21 Jan 2013) Percent Moisture

Analysis Method	ASTM D2974-87	Analyzed By	WDB	Instrument	50BAL4	Oven ID	50WETZ
Thermometer ID	PT-112	Oven Temp Correction Factor	-0.2	Oven Temp In1 Corr Date/Time Init	104.1 103.9 06/26/2014 12:07 WDB	Oven Temp Out1 Corr Date/Time Init	103.2 103.0 06/27/2014 08:31 SLB
Batch Notes		Reviewed By	DDM	Reviewed By Date	06/27/2014 12:12		

Sample Information:

QC Rule	Sample Type	Lab Sample ID	Select	TS Posted (%)	Percent Moisture	Run Date/Time	Posted Dry Weight /v Dish (g)	Dish Weight (g)	Wet Weight /v Dish (g)	Dry Weight 1	Dry Wt Use 1	ID	Sample Notes
DRY WEIGHT PS		5099673002	Y	91.44	8.563	06/26/2014 11:48:12	4.8244	0.995	5.183	4.8244	M	31	
DRY WEIGHT PS		5099673003	Y	86.08	13.92	06/26/2014 11:48:20	4.48	1.053	5.034	4.48	M	32	
DRY WEIGHT PS		5099673004	Y	90.89	9.114	06/26/2014 11:48:27	4.934	1.005	5.328	4.934	M	33	
DRY WEIGHT PS		5099682001	Y	83.99	16.01	06/26/2014 11:48:34	5.552	1.039	6.412	5.552	M	34	
DRY WEIGHT PS		5099682002	Y	83.92	16.08	06/26/2014 11:48:42	5.02	1.013	5.788	5.02	M	35	
DRY WEIGHT RQS		5099682003	Y	85.51	14.49	06/26/2014 11:48:51	6.274	1.022	7.164	6.274	M	36	
DRY WEIGHT DUP		1118069	Y	84.88	15.12	06/26/2014 11:49:01	7.061	1.025	8.136	7.061	M	37	
DRY WEIGHT PS		5099682004	Y	87.49	12.51	06/26/2014 11:49:08	8.101	1.003	9.116	8.101	M	38	
DRY WEIGHT PS		5099682005	Y	68.90	31.10	06/26/2014 11:49:15	5.74	1.004	7.878	5.74	M	39	
DRY WEIGHT PS		5099682006	Y	79.50	20.50	06/26/2014 11:49:22	6.204	1.03	7.538	6.204	M	40	
DRY WEIGHT PS		5099682007	Y	77.00	23.00	06/26/2014 11:49:30	7.918	1.028	9.976	7.918	M	41	
DRY WEIGHT PS		5099682008	Y	90.64	9.356	06/26/2014 11:49:48	7.274	1.006	7.921	7.274	M	42	
DRY WEIGHT PS		5099682009	Y	86.91	13.09	06/26/2014 11:49:56	8.99	1.006	10.193	8.99	M	43	
DRY WEIGHT PS		5099682010	Y	82.69	17.31	06/26/2014 11:50:03	6.688	1.01	7.877	6.688	M	44	
DRY WEIGHT PS		5099683001	Y	93.71	6.288	06/26/2014 11:50:11	6.374	1.024	6.733	6.374	M	45	
DRY WEIGHT RQS		5099688001	Y	95.29	4.708	06/26/2014 11:50:22	5.559	1.045	5.782	5.559	M	46	
DRY WEIGHT DUP		1118070	Y	95.42	4.585	06/26/2014 11:50:29	4.611	1.011	4.784	4.611	M	47	
DRY WEIGHT PS		5099688002	Y	94.17	5.829	06/26/2014 11:50:36	5.464	1.005	5.74	5.464	M	48	

QC Rule	Sample Type	Lab Sample ID	Select	TS Posted (%)	Percent Moisture	Run Date/Time	Posted Dry Weight /w Dish (g)	Dish Weight (g)	Wet Weight /w Dish (g)	Dry Weight 1	Dry Wt Use 1	ID	Sample Notes
DRY WEIGHT PS		5099688003	Y	89.08	10.92	06/26/2014 11:50:53	5.442	1.028	5.983	5.442	M	49	
DRY WEIGHT PS		5099688004	Y	95.62	4.378	06/26/2014 11:51:26	6.073	1.049	6.303	6.073	M	50	
DRY WEIGHT PS		5099688005	Y	96.15	3.853	06/26/2014 11:51:49	4.868	1	5.023	4.868	M	51	
DRY WEIGHT PS		5099688006	Y	95.69	4.310	06/26/2014 11:52:04	5.428	1.01	5.627	5.428	M	52	

Batch Information: PMST 9616

Template Version: EF-IN-Q-337-Rev.00 (21 Jan 2013) Percent Moisture

Analysis Method	ASTM D2974-87	Analyzed By	WDB	Instrument	50BAL4	Oven ID	50WETZ
Thermometer ID	PT-112	Oven Temp Correction Factor	-0.2	Oven Temp In1 Corr Date/Time Init	104.1 103.9 06/26/2014 12:26 WDB	Oven Temp Out1 Corr Date/Time Init	103.2 103.0 06/27/2014 09:19 SLB
Batch Notes		Reviewed By	DDM	Reviewed By Date	06/27/2014 12:12		

Sample Information:

QC Rule	Sample Type	Lab Sample ID	Select	TS Posted (%)	Percent Moisture	Run Date/Time	Posted Dry Weight (g)	Dish Weight (g)	Wet Weight /v	Dry Weight 1	Dry Wt Use 1	ID	Sample Notes
DRY WEIGHT PS		5099688007	Y	90.92	9.078	06/26/2014 12:10:23	6.196	0.998	6.715	6.196	M	251	
DRY WEIGHT RQS		5099688008	Y	87.14	12.86	06/26/2014 12:10:33	3.989	1.02	4.427	3.989	M	252	
DRY WEIGHT DUP		1118071	Y	92.05	7.948	06/26/2014 12:10:39	3.424	1.015	3.632	3.424	M	253	
DRY WEIGHT PS		5099688009	Y	97.09	2.910	06/26/2014 12:10:46	5.156	1.085	5.278	5.156	M	254	
DRY WEIGHT PS		5099688010	Y	93.74	6.259	06/26/2014 12:10:54	5.764	1.016	6.081	5.764	M	255	
DRY WEIGHT PS		5099688011	Y	87.77	12.23	06/26/2014 12:11:01	5.901	1.048	6.577	5.901	M	256	
DRY WEIGHT PS		5099688012	Y	87.34	12.66	06/26/2014 12:11:08	9.491	1.024	10.718	9.491	M	257	
DRY WEIGHT PS		5099690001	Y	81.22	18.78	06/26/2014 12:11:14	6.049	0.99	7.219	6.049	M	258	
DRY WEIGHT PS		5099690002	Y	89.84	10.16	06/26/2014 12:11:22	7.883	1.039	8.657	7.883	M	259	
DRY WEIGHT PS		5099690003	Y	78.61	21.39	06/26/2014 12:11:31	7.517	0.974	9.297	7.517	M	260	
DRY WEIGHT PS		5099690004	Y	89.16	10.84	06/26/2014 12:11:39	9.766	1.002	10.832	9.766	M	261	
DRY WEIGHT PS		5099690005	Y	80.42	19.58	06/26/2014 12:12:03	5.687	0.997	6.829	5.687	M	262	
DRY WEIGHT PS		5099690006	Y	78.56	21.44	06/26/2014 12:12:11	7.918	1.064	9.789	7.918	M	263	
DRY WEIGHT PS		5099690007	Y	87.18	12.82	06/26/2014 12:12:20	8.207	1.066	9.257	8.207	M	264	
DRY WEIGHT PS		5099690008	Y	80.29	19.71	06/26/2014 12:12:28	6.273	1.078	7.548	6.273	M	265	
DRY WEIGHT PS		5099690009	Y	82.36	17.64	06/26/2014 12:12:36	7.576	1.021	8.98	7.576	M	266	
DRY WEIGHT PS		5099690010	Y	84.76	15.24	06/26/2014 12:12:45	10.806	0.964	12.575	10.806	M	267	
DRY WEIGHT PS		5099690011	Y	81.67	18.33	06/26/2014 12:13:26	6.164	1.012	7.32	6.164	M	268	

QC Rule	Sample Type	Lab Sample ID	Select	TS Posted (%)	Percent Moisture	Run Date/Time	Posted Dry Weight w/ Dish (g)	Dish Weight (g)	Wet Weight w/ Dish (g)	Dry Weight 1	Dry Wt Use 1	ID	Sample Notes
DRY WEIGHT PS		5099690012	Y	83.61	16.39	06/26/2014 12:13:36	7.177	0.983	8.391	7.177	M	269	
DRY WEIGHT PS		5099690013	Y	87.23	12.77	06/26/2014 12:13:45	8.791	1.015	9.929	8.791	M	270	
DRY WEIGHT PS		5099690014	Y	80.98	19.02	06/26/2014 12:13:54	5.957	1.022	7.116	5.957	M	271	
DRY WEIGHT DUP		1118072	Y	81.44	18.56	06/26/2014 12:14:05	5.957	1.021	7.082	5.957	M	272	