



Analytical Data Package

Prepared by:

Pace Analytical Services - Indiana

Pace Project No.: 5099627

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InOrganic

ICP

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Gravimetric

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July 07, 2014

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

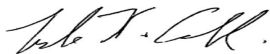
RE: Project: Sibley - Accucast
Pace Project No.: 5099627

Dear Mr. Stanford:

Enclosed are the analytical results for sample(s) received by the laboratory on June 20, 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
Pace Project No.: 5099627

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

Pace Project No.: 5099627

Lab ID	Sample ID	Matrix	Date Collected	Date Received
5099627001	P-8 (6-8)	Solid	06/19/14 12:35	06/20/14 10:42
5099627002	TMW-7 (8-10)	Solid	06/19/14 13:25	06/20/14 10:42
5099627003	P-8 (16-18)	Solid	06/19/14 12:45	06/20/14 10:42
5099627004	P-4 (16-18)	Solid	06/19/14 11:03	06/20/14 10:42
5099627005	TMW-9 (3-5)	Solid	06/19/14 14:12	06/20/14 10:42
5099627006	TMW-3 (15-16)	Solid	06/19/14 09:15	06/20/14 10:42
5099627007	TMW-9 (16-18)	Solid	06/19/14 14:27	06/20/14 10:42
5099627008	P-7 (13-15)	Solid	06/19/14 12:01	06/20/14 10:42
5099627009	P-3 (16-18)	Solid	06/19/14 10:20	06/20/14 10:42
5099627010	TMW-7 (14-16)	Solid	06/19/14 13:45	06/20/14 10:42
5099627011	P-4 (5-7)	Solid	06/19/14 10:56	06/20/14 10:42
5099627012	P-7 (5-7)	Solid	06/19/14 11:50	06/20/14 10:42
5099627013	P-7 (5-7)	Solid	06/19/14 11:50	06/20/14 10:42
5099627014	TMW-3 (8-9)	Solid	06/19/14 09:00	06/20/14 10:42
5099627015	P-9 (2-4)	Solid	06/19/14 15:00	06/20/14 10:42
5099627016	P-3 (8-10)	Solid	06/19/14 09:55	06/20/14 10:42
5099627017	P-9 (13-15)	Solid	06/19/14 15:10	06/20/14 10:42
5099627018	Surf-Dupe	Solid	06/19/14 08:00	06/20/14 10:42
5099627019	Trip Blank	Solid	06/19/14 08:00	06/20/14 10:42

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SAMPLE ANALYTE COUNT

Project: Sibley - Accucast

Pace Project No.: 5099627

Lab ID	Sample ID	Method	Analysts	Analytes Reported
5099627001	P-8 (6-8)	EPA 8082	DMT	8
		EPA 6010	FRW	8
		EPA 8270	SN	66
		EPA 8260	GRM	73
		ASTM D2974-87	SLB	1
5099627002	TMW-7 (8-10)	EPA 8082	DMT	8
		EPA 6010	FRW	8
		EPA 8270	SN	66
		EPA 8260	GRM	73
		ASTM D2974-87	SLB	1
5099627003	P-8 (16-18)	EPA 8082	DMT	8
		EPA 6010	FRW	8
		EPA 8270	SN	66
		EPA 8260	GRM	73
		ASTM D2974-87	SLB	1
5099627004	P-4 (16-18)	EPA 8082	DMT	8
		EPA 6010	FRW	8
		EPA 8270	SN	66
		EPA 8260	GRM	73
		ASTM D2974-87	SLB	1
5099627005	TMW-9 (3-5)	EPA 8082	DMT	8
		EPA 6010	FRW	8
		EPA 8270	SN	66
		EPA 8260	GRM	73
		ASTM D2974-87	SLB	1
5099627006	TMW-3 (15-16)	EPA 8082	DMT	8
		EPA 6010	FRW	8
		EPA 8270	SN	66
		EPA 8260	GRM	73
		ASTM D2974-87	SLB	1
5099627007	TMW-9 (16-18)	EPA 8082	DMT	8
		EPA 6010	FRW	8
		EPA 8270	SN	66
		EPA 8260	GRM	73
		ASTM D2974-87	SLB	1
5099627008	P-7 (13-15)	EPA 8082	DMT	8
		EPA 6010	FRW	8

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SAMPLE ANALYTE COUNT

Project: Sibley - Accucast

Pace Project No.: 5099627

Lab ID	Sample ID	Method	Analysts	Analytes Reported
5099627009	P-3 (16-18)	EPA 8270	SN	66
		EPA 8260	GRM	73
		ASTM D2974-87	SLB	1
		EPA 8082	DMT	8
		EPA 6010	FRW	8
		EPA 8270	SN	66
5099627010	TMW-7 (14-16)	EPA 8260	GRM	73
		ASTM D2974-87	SLB	1
		EPA 8082	DMT	8
		EPA 6010	FRW	8
		EPA 8270	SN	66
		EPA 8260	GRM	73
5099627011	P-4 (5-7)	ASTM D2974-87	SLB	1
		EPA 8082	DMT	8
		EPA 6010	FRW	8
		EPA 8270	SN	66
		EPA 8260	GRM	73
		ASTM D2974-87	SLB	1
5099627012	P-7 (5-7)	EPA 8082	DMT	8
		EPA 6010	FRW	8
		EPA 8270	SN	66
		EPA 8260	GRM	73
		ASTM D2974-87	SLB	1
		EPA 8082	DMT	8
5099627014	TMW-3 (8-9)	EPA 6010	FRW	8
		EPA 8270	SN	66
		EPA 8260	GRM	73
		ASTM D2974-87	SLB	1
		EPA 8082	DMT	8
		EPA 6010	FRW	8
5099627015	P-9 (2-4)	EPA 8270	SN	66
		EPA 8260	GRM	73
		ASTM D2974-87	SLB	1
		EPA 8082	DMT	8
		EPA 6010	FRW	8
		EPA 8270	SN	66
5099627016	P-3 (8-10)	EPA 8260	GRM	73
		ASTM D2974-87	SLB	1
		EPA 8082	DMT	8
		EPA 6010	FRW	8
		EPA 8270	SN	66
		EPA 8260	GRM	73

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SAMPLE ANALYTE COUNT

Project: Sibley - Accucast

Pace Project No.: 5099627

Lab ID	Sample ID	Method	Analysts	Analytes Reported
5099627017	P-9 (13-15)	ASTM D2974-87	SLB	1
		EPA 8082	DMT	8
		EPA 6010	FRW	8
		EPA 8270	SN	66
		EPA 8260	GRM	73
5099627018	Surf-Dupe	ASTM D2974-87	SLB	1
		EPA 8082	DMT	8
		EPA 6010	FRW	8
		EPA 8270	SN	66
		EPA 8260	GRM	73
5099627019	Trip Blank	ASTM D2974-87	SLB	1
		EPA 8260	GRM	73

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ANALYTICAL RESULTS

Project: Sibley - Accucast

Pace Project No.: 5099627

Sample: P-8 (6-8) **Lab ID: 5099627001** Collected: 06/19/14 12:35 Received: 06/20/14 10:42 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	06/24/14 11:04	06/27/14 01:24	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/kg	111	1	06/24/14 11:04	06/27/14 01:24	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/kg	111	1	06/24/14 11:04	06/27/14 01:24	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/kg	111	1	06/24/14 11:04	06/27/14 01:24	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/kg	111	1	06/24/14 11:04	06/27/14 01:24	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/kg	111	1	06/24/14 11:04	06/27/14 01:24	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	ug/kg	111	1	06/24/14 11:04	06/27/14 01:24	11096-82-5	
Surrogates								
Tetrachloro-m-xylene (S)	77 %.		30-106	1	06/24/14 11:04	06/27/14 01:24	877-09-8	
6010 MET ICP								
Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Antimony	ND	mg/kg	0.98	1	06/21/14 10:44	06/24/14 09:31	7440-36-0	
Arsenic	2.9	mg/kg	0.98	1	06/21/14 10:44	06/24/14 09:31	7440-38-2	
Chromium	10.1	mg/kg	0.98	1	06/21/14 10:44	06/24/14 09:31	7440-47-3	
Cobalt	2.6	mg/kg	0.98	1	06/21/14 10:44	06/24/14 09:31	7440-48-4	
Iron	10900	mg/kg	49.2	1	06/21/14 10:44	06/24/14 09:31	7439-89-6	
Lead	10.7	mg/kg	0.98	1	06/21/14 10:44	06/24/14 09:31	7439-92-1	
Selenium	ND	mg/kg	0.98	1	06/21/14 10:44	06/24/14 09:31	7782-49-2	
Thallium	2.2	mg/kg	0.98	1	06/21/14 10:44	06/24/14 09:31	7440-28-0	
8270 MSSV SHORT LIST MICROWAVE								
Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Acenaphthene	ND	ug/kg	364	1	06/23/14 12:26	06/23/14 22:32	83-32-9	
Acenaphthylene	ND	ug/kg	364	1	06/23/14 12:26	06/23/14 22:32	208-96-8	
Anthracene	ND	ug/kg	364	1	06/23/14 12:26	06/23/14 22:32	120-12-7	
Benzo(a)anthracene	ND	ug/kg	364	1	06/23/14 12:26	06/23/14 22:32	56-55-3	
Benzo(a)pyrene	ND	ug/kg	187	1	06/23/14 12:26	06/23/14 22:32	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	364	1	06/23/14 12:26	06/23/14 22:32	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	364	1	06/23/14 12:26	06/23/14 22:32	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	364	1	06/23/14 12:26	06/23/14 22:32	207-08-9	
Benzyl alcohol	ND	ug/kg	728	1	06/23/14 12:26	06/23/14 22:32	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	364	1	06/23/14 12:26	06/23/14 22:32	101-55-3	
Butylbenzylphthalate	ND	ug/kg	364	1	06/23/14 12:26	06/23/14 22:32	85-68-7	
4-Chloro-3-methylphenol	ND	ug/kg	728	1	06/23/14 12:26	06/23/14 22:32	59-50-7	
4-Chloroaniline	ND	ug/kg	728	1	06/23/14 12:26	06/23/14 22:32	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	364	1	06/23/14 12:26	06/23/14 22:32	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	364	1	06/23/14 12:26	06/23/14 22:32	111-44-4	
bis(2chloro1methylethyl) ether	ND	ug/kg	364	1	06/23/14 12:26	06/23/14 22:32	108-60-1	
2-Chloronaphthalene	ND	ug/kg	364	1	06/23/14 12:26	06/23/14 22:32	91-58-7	
2-Chlorophenol	ND	ug/kg	364	1	06/23/14 12:26	06/23/14 22:32	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	364	1	06/23/14 12:26	06/23/14 22:32	7005-72-3	
Chrysene	ND	ug/kg	364	1	06/23/14 12:26	06/23/14 22:32	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	187	1	06/23/14 12:26	06/23/14 22:32	53-70-3	
Dibenzofuran	ND	ug/kg	364	1	06/23/14 12:26	06/23/14 22:32	132-64-9	
3,3'-Dichlorobenzidine	ND	ug/kg	728	1	06/23/14 12:26	06/23/14 22:32	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	364	1	06/23/14 12:26	06/23/14 22:32	120-83-2	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Sibley - Accucast

Pace Project No.: 5099627

Sample: P-8 (6-8) **Lab ID: 5099627001** Collected: 06/19/14 12:35 Received: 06/20/14 10:42 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	364	1	06/23/14 12:26	06/23/14 22:32	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	364	1	06/23/14 12:26	06/23/14 22:32	105-67-9	
Dimethylphthalate	ND	ug/kg	364	1	06/23/14 12:26	06/23/14 22:32	131-11-3	
Di-n-butylphthalate	ND	ug/kg	364	1	06/23/14 12:26	06/23/14 22:32	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	1760	1	06/23/14 12:26	06/23/14 22:32	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	1760	1	06/23/14 12:26	06/23/14 22:32	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	364	1	06/23/14 12:26	06/23/14 22:32	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	364	1	06/23/14 12:26	06/23/14 22:32	606-20-2	
Di-n-octylphthalate	ND	ug/kg	364	1	06/23/14 12:26	06/23/14 22:32	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	364	1	06/23/14 12:26	06/23/14 22:32	117-81-7	
Fluoranthene	ND	ug/kg	364	1	06/23/14 12:26	06/23/14 22:32	206-44-0	
Fluorene	ND	ug/kg	364	1	06/23/14 12:26	06/23/14 22:32	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/kg	364	1	06/23/14 12:26	06/23/14 22:32	87-68-3	
Hexachlorobenzene	ND	ug/kg	364	1	06/23/14 12:26	06/23/14 22:32	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	364	1	06/23/14 12:26	06/23/14 22:32	77-47-4	
Hexachloroethane	ND	ug/kg	364	1	06/23/14 12:26	06/23/14 22:32	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	364	1	06/23/14 12:26	06/23/14 22:32	193-39-5	
Isophorone	ND	ug/kg	364	1	06/23/14 12:26	06/23/14 22:32	78-59-1	
2-Methylnaphthalene	ND	ug/kg	364	1	06/23/14 12:26	06/23/14 22:32	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	364	1	06/23/14 12:26	06/23/14 22:32	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	728	1	06/23/14 12:26	06/23/14 22:32		
Naphthalene	ND	ug/kg	364	1	06/23/14 12:26	06/23/14 22:32	91-20-3	
2-Nitroaniline	ND	ug/kg	1760	1	06/23/14 12:26	06/23/14 22:32	88-74-4	
3-Nitroaniline	ND	ug/kg	1760	1	06/23/14 12:26	06/23/14 22:32	99-09-2	
4-Nitroaniline	ND	ug/kg	1760	1	06/23/14 12:26	06/23/14 22:32	100-01-6	
Nitrobenzene	ND	ug/kg	364	1	06/23/14 12:26	06/23/14 22:32	98-95-3	
2-Nitrophenol	ND	ug/kg	364	1	06/23/14 12:26	06/23/14 22:32	88-75-5	
4-Nitrophenol	ND	ug/kg	1760	1	06/23/14 12:26	06/23/14 22:32	100-02-7	
N-Nitroso-di-n-propylamine	ND	ug/kg	364	1	06/23/14 12:26	06/23/14 22:32	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	364	1	06/23/14 12:26	06/23/14 22:32	86-30-6	
Pentachlorophenol	ND	ug/kg	1760	1	06/23/14 12:26	06/23/14 22:32	87-86-5	
Phenanthrene	ND	ug/kg	364	1	06/23/14 12:26	06/23/14 22:32	85-01-8	
Phenol	ND	ug/kg	364	1	06/23/14 12:26	06/23/14 22:32	108-95-2	
Pyrene	ND	ug/kg	364	1	06/23/14 12:26	06/23/14 22:32	129-00-0	
2,4,5-Trichlorophenol	ND	ug/kg	364	1	06/23/14 12:26	06/23/14 22:32	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	364	1	06/23/14 12:26	06/23/14 22:32	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	75 %.		28-101	1	06/23/14 12:26	06/23/14 22:32	4165-60-0	
2-Fluorobiphenyl (S)	70 %.		31-94	1	06/23/14 12:26	06/23/14 22:32	321-60-8	
p-Terphenyl-d14 (S)	87 %.		26-110	1	06/23/14 12:26	06/23/14 22:32	1718-51-0	
Phenol-d5 (S)	79 %.		28-101	1	06/23/14 12:26	06/23/14 22:32	4165-62-2	
2-Fluorophenol (S)	76 %.		24-104	1	06/23/14 12:26	06/23/14 22:32	367-12-4	
2,4,6-Tribromophenol (S)	87 %.		16-122	1	06/23/14 12:26	06/23/14 22:32	118-79-6	

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ANALYTICAL RESULTS

Project: Sibley - Accucast

Pace Project No.: 5099627

Sample: P-8 (6-8) **Lab ID: 5099627001** Collected: 06/19/14 12:35 Received: 06/20/14 10:42 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	116	1		07/02/14 07:12	67-64-1	
Acrolein	ND	ug/kg	116	1		07/02/14 07:12	107-02-8	
Acrylonitrile	ND	ug/kg	116	1		07/02/14 07:12	107-13-1	
Benzene	ND	ug/kg	5.8	1		07/02/14 07:12	71-43-2	
Bromobenzene	ND	ug/kg	5.8	1		07/02/14 07:12	108-86-1	
Bromochloromethane	ND	ug/kg	5.8	1		07/02/14 07:12	74-97-5	
Bromodichloromethane	ND	ug/kg	5.8	1		07/02/14 07:12	75-27-4	
Bromoform	ND	ug/kg	5.8	1		07/02/14 07:12	75-25-2	
Bromomethane	ND	ug/kg	5.8	1		07/02/14 07:12	74-83-9	
2-Butanone (MEK)	ND	ug/kg	29.1	1		07/02/14 07:12	78-93-3	
n-Butylbenzene	ND	ug/kg	5.8	1		07/02/14 07:12	104-51-8	
sec-Butylbenzene	ND	ug/kg	5.8	1		07/02/14 07:12	135-98-8	
tert-Butylbenzene	ND	ug/kg	5.8	1		07/02/14 07:12	98-06-6	
Carbon disulfide	ND	ug/kg	11.6	1		07/02/14 07:12	75-15-0	
Carbon tetrachloride	ND	ug/kg	5.8	1		07/02/14 07:12	56-23-5	
Chlorobenzene	ND	ug/kg	5.8	1		07/02/14 07:12	108-90-7	
Chloroethane	ND	ug/kg	5.8	1		07/02/14 07:12	75-00-3	
Chloroform	ND	ug/kg	5.8	1		07/02/14 07:12	67-66-3	
Chloromethane	ND	ug/kg	5.8	1		07/02/14 07:12	74-87-3	
2-Chlorotoluene	ND	ug/kg	5.8	1		07/02/14 07:12	95-49-8	
4-Chlorotoluene	ND	ug/kg	5.8	1		07/02/14 07:12	106-43-4	
Dibromochloromethane	ND	ug/kg	5.8	1		07/02/14 07:12	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	5.8	1		07/02/14 07:12	106-93-4	
Dibromomethane	ND	ug/kg	5.8	1		07/02/14 07:12	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	5.8	1		07/02/14 07:12	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	5.8	1		07/02/14 07:12	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	5.8	1		07/02/14 07:12	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/kg	116	1		07/02/14 07:12	110-57-6	
Dichlorodifluoromethane	ND	ug/kg	5.8	1		07/02/14 07:12	75-71-8	
1,1-Dichloroethane	ND	ug/kg	5.8	1		07/02/14 07:12	75-34-3	
1,2-Dichloroethane	ND	ug/kg	5.8	1		07/02/14 07:12	107-06-2	
1,1-Dichloroethene	ND	ug/kg	5.8	1		07/02/14 07:12	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	5.8	1		07/02/14 07:12	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	5.8	1		07/02/14 07:12	156-60-5	
1,2-Dichloropropane	ND	ug/kg	5.8	1		07/02/14 07:12	78-87-5	
1,3-Dichloropropane	ND	ug/kg	5.8	1		07/02/14 07:12	142-28-9	
2,2-Dichloropropane	ND	ug/kg	5.8	1		07/02/14 07:12	594-20-7	
1,1-Dichloropropene	ND	ug/kg	5.8	1		07/02/14 07:12	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	5.8	1		07/02/14 07:12	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	5.8	1		07/02/14 07:12	10061-02-6	
Ethylbenzene	ND	ug/kg	5.8	1		07/02/14 07:12	100-41-4	
Ethyl methacrylate	ND	ug/kg	116	1		07/02/14 07:12	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/kg	5.8	1		07/02/14 07:12	87-68-3	
n-Hexane	ND	ug/kg	5.8	1		07/02/14 07:12	110-54-3	N2
2-Hexanone	ND	ug/kg	116	1		07/02/14 07:12	591-78-6	
Iodomethane	ND	ug/kg	116	1		07/02/14 07:12	74-88-4	

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ANALYTICAL RESULTS

Project: Sibley - Accucast

Pace Project No.: 5099627

Sample: P-8 (6-8) **Lab ID: 5099627001** Collected: 06/19/14 12:35 Received: 06/20/14 10:42 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	5.8	1		07/02/14 07:12	98-82-8	
p-Isopropyltoluene	ND	ug/kg	5.8	1		07/02/14 07:12	99-87-6	
Methylene Chloride	ND	ug/kg	23.3	1		07/02/14 07:12	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	29.1	1		07/02/14 07:12	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	5.8	1		07/02/14 07:12	1634-04-4	
Naphthalene	ND	ug/kg	5.8	1		07/02/14 07:12	91-20-3	
n-Propylbenzene	ND	ug/kg	5.8	1		07/02/14 07:12	103-65-1	
Styrene	ND	ug/kg	5.8	1		07/02/14 07:12	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	5.8	1		07/02/14 07:12	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	5.8	1		07/02/14 07:12	79-34-5	
Tetrachloroethene	ND	ug/kg	5.8	1		07/02/14 07:12	127-18-4	
Toluene	ND	ug/kg	5.8	1		07/02/14 07:12	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	5.8	1		07/02/14 07:12	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	5.8	1		07/02/14 07:12	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	5.8	1		07/02/14 07:12	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	5.8	1		07/02/14 07:12	79-00-5	
Trichloroethene	ND	ug/kg	5.8	1		07/02/14 07:12	79-01-6	
Trichlorofluoromethane	ND	ug/kg	5.8	1		07/02/14 07:12	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	5.8	1		07/02/14 07:12	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	5.8	1		07/02/14 07:12	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	5.8	1		07/02/14 07:12	108-67-8	
Vinyl acetate	ND	ug/kg	116	1		07/02/14 07:12	108-05-4	
Vinyl chloride	ND	ug/kg	5.8	1		07/02/14 07:12	75-01-4	
Xylene (Total)	ND	ug/kg	11.6	1		07/02/14 07:12	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	93 %		85-118	1		07/02/14 07:12	1868-53-7	
Toluene-d8 (S)	97 %		71-128	1		07/02/14 07:12	2037-26-5	
4-Bromofluorobenzene (S)	95 %		56-144	1		07/02/14 07:12	460-00-4	
Percent Moisture		Analytical Method: ASTM D2974-87						
Percent Moisture	9.9 %		0.10	1		06/26/14 09:26		

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ANALYTICAL RESULTS

Project: Sibley - Accucast

Pace Project No.: 5099627

Sample: TMW-7 (8-10) **Lab ID: 5099627002** Collected: 06/19/14 13:25 Received: 06/20/14 10:42 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	118	1	06/24/14 11:04	06/27/14 01:30	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/kg	118	1	06/24/14 11:04	06/27/14 01:30	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/kg	118	1	06/24/14 11:04	06/27/14 01:30	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/kg	118	1	06/24/14 11:04	06/27/14 01:30	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/kg	118	1	06/24/14 11:04	06/27/14 01:30	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/kg	118	1	06/24/14 11:04	06/27/14 01:30	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	ug/kg	118	1	06/24/14 11:04	06/27/14 01:30	11096-82-5	
Surrogates								
Tetrachloro-m-xylene (S)	83 %.		30-106	1	06/24/14 11:04	06/27/14 01:30	877-09-8	
6010 MET ICP								
Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Antimony	ND	mg/kg	1.1	1	06/21/14 10:44	06/24/14 09:41	7440-36-0	
Arsenic	1.5	mg/kg	1.1	1	06/21/14 10:44	06/24/14 09:41	7440-38-2	
Chromium	2.0	mg/kg	1.1	1	06/21/14 10:44	06/24/14 09:41	7440-47-3	
Cobalt	1.4	mg/kg	1.1	1	06/21/14 10:44	06/24/14 09:41	7440-48-4	
Iron	2770	mg/kg	54.0	1	06/21/14 10:44	06/24/14 09:41	7439-89-6	
Lead	1.9	mg/kg	1.1	1	06/21/14 10:44	06/24/14 09:41	7439-92-1	
Selenium	ND	mg/kg	1.1	1	06/21/14 10:44	06/24/14 09:41	7782-49-2	
Thallium	1.4	mg/kg	1.1	1	06/21/14 10:44	06/24/14 09:41	7440-28-0	
8270 MSSV SHORT LIST MICROWAVE								
Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Acenaphthene	ND	ug/kg	389	1	06/23/14 12:26	06/23/14 22:55	83-32-9	
Acenaphthylene	ND	ug/kg	389	1	06/23/14 12:26	06/23/14 22:55	208-96-8	
Anthracene	ND	ug/kg	389	1	06/23/14 12:26	06/23/14 22:55	120-12-7	
Benzo(a)anthracene	ND	ug/kg	389	1	06/23/14 12:26	06/23/14 22:55	56-55-3	
Benzo(a)pyrene	ND	ug/kg	201	1	06/23/14 12:26	06/23/14 22:55	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	389	1	06/23/14 12:26	06/23/14 22:55	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	389	1	06/23/14 12:26	06/23/14 22:55	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	389	1	06/23/14 12:26	06/23/14 22:55	207-08-9	
Benzyl alcohol	ND	ug/kg	779	1	06/23/14 12:26	06/23/14 22:55	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	389	1	06/23/14 12:26	06/23/14 22:55	101-55-3	
Butylbenzylphthalate	ND	ug/kg	389	1	06/23/14 12:26	06/23/14 22:55	85-68-7	
4-Chloro-3-methylphenol	ND	ug/kg	779	1	06/23/14 12:26	06/23/14 22:55	59-50-7	
4-Chloroaniline	ND	ug/kg	779	1	06/23/14 12:26	06/23/14 22:55	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	389	1	06/23/14 12:26	06/23/14 22:55	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	389	1	06/23/14 12:26	06/23/14 22:55	111-44-4	
bis(2chloro1methylethyl) ether	ND	ug/kg	389	1	06/23/14 12:26	06/23/14 22:55	108-60-1	
2-Chloronaphthalene	ND	ug/kg	389	1	06/23/14 12:26	06/23/14 22:55	91-58-7	
2-Chlorophenol	ND	ug/kg	389	1	06/23/14 12:26	06/23/14 22:55	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	389	1	06/23/14 12:26	06/23/14 22:55	7005-72-3	
Chrysene	ND	ug/kg	389	1	06/23/14 12:26	06/23/14 22:55	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	201	1	06/23/14 12:26	06/23/14 22:55	53-70-3	
Dibenzofuran	ND	ug/kg	389	1	06/23/14 12:26	06/23/14 22:55	132-64-9	
3,3'-Dichlorobenzidine	ND	ug/kg	779	1	06/23/14 12:26	06/23/14 22:55	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	389	1	06/23/14 12:26	06/23/14 22:55	120-83-2	

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ANALYTICAL RESULTS

Project: Sibley - Accucast

Pace Project No.: 5099627

Sample: TMW-7 (8-10) **Lab ID: 5099627002** Collected: 06/19/14 13:25 Received: 06/20/14 10:42 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	389	1	06/23/14 12:26	06/23/14 22:55	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	389	1	06/23/14 12:26	06/23/14 22:55	105-67-9	
Dimethylphthalate	ND	ug/kg	389	1	06/23/14 12:26	06/23/14 22:55	131-11-3	
Di-n-butylphthalate	ND	ug/kg	389	1	06/23/14 12:26	06/23/14 22:55	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	1890	1	06/23/14 12:26	06/23/14 22:55	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	1890	1	06/23/14 12:26	06/23/14 22:55	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	389	1	06/23/14 12:26	06/23/14 22:55	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	389	1	06/23/14 12:26	06/23/14 22:55	606-20-2	
Di-n-octylphthalate	ND	ug/kg	389	1	06/23/14 12:26	06/23/14 22:55	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	389	1	06/23/14 12:26	06/23/14 22:55	117-81-7	
Fluoranthene	ND	ug/kg	389	1	06/23/14 12:26	06/23/14 22:55	206-44-0	
Fluorene	ND	ug/kg	389	1	06/23/14 12:26	06/23/14 22:55	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/kg	389	1	06/23/14 12:26	06/23/14 22:55	87-68-3	
Hexachlorobenzene	ND	ug/kg	389	1	06/23/14 12:26	06/23/14 22:55	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	389	1	06/23/14 12:26	06/23/14 22:55	77-47-4	
Hexachloroethane	ND	ug/kg	389	1	06/23/14 12:26	06/23/14 22:55	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	389	1	06/23/14 12:26	06/23/14 22:55	193-39-5	
Isophorone	ND	ug/kg	389	1	06/23/14 12:26	06/23/14 22:55	78-59-1	
2-Methylnaphthalene	ND	ug/kg	389	1	06/23/14 12:26	06/23/14 22:55	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	389	1	06/23/14 12:26	06/23/14 22:55	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	779	1	06/23/14 12:26	06/23/14 22:55		
Naphthalene	ND	ug/kg	389	1	06/23/14 12:26	06/23/14 22:55	91-20-3	
2-Nitroaniline	ND	ug/kg	1890	1	06/23/14 12:26	06/23/14 22:55	88-74-4	
3-Nitroaniline	ND	ug/kg	1890	1	06/23/14 12:26	06/23/14 22:55	99-09-2	
4-Nitroaniline	ND	ug/kg	1890	1	06/23/14 12:26	06/23/14 22:55	100-01-6	
Nitrobenzene	ND	ug/kg	389	1	06/23/14 12:26	06/23/14 22:55	98-95-3	
2-Nitrophenol	ND	ug/kg	389	1	06/23/14 12:26	06/23/14 22:55	88-75-5	
4-Nitrophenol	ND	ug/kg	1890	1	06/23/14 12:26	06/23/14 22:55	100-02-7	
N-Nitroso-di-n-propylamine	ND	ug/kg	389	1	06/23/14 12:26	06/23/14 22:55	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	389	1	06/23/14 12:26	06/23/14 22:55	86-30-6	
Pentachlorophenol	ND	ug/kg	1890	1	06/23/14 12:26	06/23/14 22:55	87-86-5	
Phenanthrene	ND	ug/kg	389	1	06/23/14 12:26	06/23/14 22:55	85-01-8	
Phenol	ND	ug/kg	389	1	06/23/14 12:26	06/23/14 22:55	108-95-2	
Pyrene	ND	ug/kg	389	1	06/23/14 12:26	06/23/14 22:55	129-00-0	
2,4,5-Trichlorophenol	ND	ug/kg	389	1	06/23/14 12:26	06/23/14 22:55	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	389	1	06/23/14 12:26	06/23/14 22:55	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	65 %.		28-101	1	06/23/14 12:26	06/23/14 22:55	4165-60-0	
2-Fluorobiphenyl (S)	70 %.		31-94	1	06/23/14 12:26	06/23/14 22:55	321-60-8	
p-Terphenyl-d14 (S)	88 %.		26-110	1	06/23/14 12:26	06/23/14 22:55	1718-51-0	
Phenol-d5 (S)	71 %.		28-101	1	06/23/14 12:26	06/23/14 22:55	4165-62-2	
2-Fluorophenol (S)	69 %.		24-104	1	06/23/14 12:26	06/23/14 22:55	367-12-4	
2,4,6-Tribromophenol (S)	74 %.		16-122	1	06/23/14 12:26	06/23/14 22:55	118-79-6	

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ANALYTICAL RESULTS

Project: Sibley - Accucast

Pace Project No.: 5099627

Sample: TMW-7 (8-10) **Lab ID: 5099627002** Collected: 06/19/14 13:25 Received: 06/20/14 10:42 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	169	ug/kg	109	1		07/02/14 07:46	67-64-1	
Acrolein	ND	ug/kg	109	1		07/02/14 07:46	107-02-8	
Acrylonitrile	ND	ug/kg	109	1		07/02/14 07:46	107-13-1	
Benzene	ND	ug/kg	5.4	1		07/02/14 07:46	71-43-2	
Bromobenzene	ND	ug/kg	5.4	1		07/02/14 07:46	108-86-1	
Bromochloromethane	ND	ug/kg	5.4	1		07/02/14 07:46	74-97-5	
Bromodichloromethane	ND	ug/kg	5.4	1		07/02/14 07:46	75-27-4	
Bromoform	ND	ug/kg	5.4	1		07/02/14 07:46	75-25-2	
Bromomethane	ND	ug/kg	5.4	1		07/02/14 07:46	74-83-9	
2-Butanone (MEK)	ND	ug/kg	27.2	1		07/02/14 07:46	78-93-3	
n-Butylbenzene	ND	ug/kg	5.4	1		07/02/14 07:46	104-51-8	
sec-Butylbenzene	ND	ug/kg	5.4	1		07/02/14 07:46	135-98-8	
tert-Butylbenzene	ND	ug/kg	5.4	1		07/02/14 07:46	98-06-6	
Carbon disulfide	ND	ug/kg	10.9	1		07/02/14 07:46	75-15-0	
Carbon tetrachloride	ND	ug/kg	5.4	1		07/02/14 07:46	56-23-5	
Chlorobenzene	ND	ug/kg	5.4	1		07/02/14 07:46	108-90-7	
Chloroethane	ND	ug/kg	5.4	1		07/02/14 07:46	75-00-3	
Chloroform	ND	ug/kg	5.4	1		07/02/14 07:46	67-66-3	
Chloromethane	ND	ug/kg	5.4	1		07/02/14 07:46	74-87-3	
2-Chlorotoluene	ND	ug/kg	5.4	1		07/02/14 07:46	95-49-8	
4-Chlorotoluene	ND	ug/kg	5.4	1		07/02/14 07:46	106-43-4	
Dibromochloromethane	ND	ug/kg	5.4	1		07/02/14 07:46	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	5.4	1		07/02/14 07:46	106-93-4	
Dibromomethane	ND	ug/kg	5.4	1		07/02/14 07:46	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	5.4	1		07/02/14 07:46	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	5.4	1		07/02/14 07:46	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	5.4	1		07/02/14 07:46	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/kg	109	1		07/02/14 07:46	110-57-6	
Dichlorodifluoromethane	ND	ug/kg	5.4	1		07/02/14 07:46	75-71-8	
1,1-Dichloroethane	ND	ug/kg	5.4	1		07/02/14 07:46	75-34-3	
1,2-Dichloroethane	ND	ug/kg	5.4	1		07/02/14 07:46	107-06-2	
1,1-Dichloroethene	ND	ug/kg	5.4	1		07/02/14 07:46	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	5.4	1		07/02/14 07:46	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	5.4	1		07/02/14 07:46	156-60-5	
1,2-Dichloropropane	ND	ug/kg	5.4	1		07/02/14 07:46	78-87-5	
1,3-Dichloropropane	ND	ug/kg	5.4	1		07/02/14 07:46	142-28-9	
2,2-Dichloropropane	ND	ug/kg	5.4	1		07/02/14 07:46	594-20-7	
1,1-Dichloropropene	ND	ug/kg	5.4	1		07/02/14 07:46	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	5.4	1		07/02/14 07:46	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	5.4	1		07/02/14 07:46	10061-02-6	
Ethylbenzene	ND	ug/kg	5.4	1		07/02/14 07:46	100-41-4	
Ethyl methacrylate	ND	ug/kg	109	1		07/02/14 07:46	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/kg	5.4	1		07/02/14 07:46	87-68-3	
n-Hexane	ND	ug/kg	5.4	1		07/02/14 07:46	110-54-3	N2
2-Hexanone	ND	ug/kg	109	1		07/02/14 07:46	591-78-6	
Iodomethane	ND	ug/kg	109	1		07/02/14 07:46	74-88-4	

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ANALYTICAL RESULTS

Project: Sibley - Accucast

Pace Project No.: 5099627

Sample: TMW-7 (8-10) **Lab ID: 5099627002** Collected: 06/19/14 13:25 Received: 06/20/14 10:42 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	5.4	1		07/02/14 07:46	98-82-8	
p-Isopropyltoluene	ND	ug/kg	5.4	1		07/02/14 07:46	99-87-6	
Methylene Chloride	ND	ug/kg	21.8	1		07/02/14 07:46	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	27.2	1		07/02/14 07:46	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	5.4	1		07/02/14 07:46	1634-04-4	
Naphthalene	ND	ug/kg	5.4	1		07/02/14 07:46	91-20-3	
n-Propylbenzene	ND	ug/kg	5.4	1		07/02/14 07:46	103-65-1	
Styrene	ND	ug/kg	5.4	1		07/02/14 07:46	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	5.4	1		07/02/14 07:46	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	5.4	1		07/02/14 07:46	79-34-5	
Tetrachloroethene	ND	ug/kg	5.4	1		07/02/14 07:46	127-18-4	
Toluene	ND	ug/kg	5.4	1		07/02/14 07:46	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	5.4	1		07/02/14 07:46	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	5.4	1		07/02/14 07:46	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	5.4	1		07/02/14 07:46	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	5.4	1		07/02/14 07:46	79-00-5	
Trichloroethene	ND	ug/kg	5.4	1		07/02/14 07:46	79-01-6	
Trichlorofluoromethane	ND	ug/kg	5.4	1		07/02/14 07:46	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	5.4	1		07/02/14 07:46	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	5.4	1		07/02/14 07:46	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	5.4	1		07/02/14 07:46	108-67-8	
Vinyl acetate	ND	ug/kg	109	1		07/02/14 07:46	108-05-4	
Vinyl chloride	ND	ug/kg	5.4	1		07/02/14 07:46	75-01-4	
Xylene (Total)	ND	ug/kg	10.9	1		07/02/14 07:46	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	94 %		85-118	1		07/02/14 07:46	1868-53-7	
Toluene-d8 (S)	99 %		71-128	1		07/02/14 07:46	2037-26-5	
4-Bromofluorobenzene (S)	97 %		56-144	1		07/02/14 07:46	460-00-4	
Percent Moisture		Analytical Method: ASTM D2974-87						
Percent Moisture	15.5 %		0.10	1		06/26/14 09:26		

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ANALYTICAL RESULTS

Project: Sibley - Accucast

Pace Project No.: 5099627

Sample: P-8 (16-18) **Lab ID: 5099627003** Collected: 06/19/14 12:45 Received: 06/20/14 10:42 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	118	1	06/24/14 11:04	06/27/14 01:35	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/kg	118	1	06/24/14 11:04	06/27/14 01:35	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/kg	118	1	06/24/14 11:04	06/27/14 01:35	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/kg	118	1	06/24/14 11:04	06/27/14 01:35	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/kg	118	1	06/24/14 11:04	06/27/14 01:35	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/kg	118	1	06/24/14 11:04	06/27/14 01:35	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	ug/kg	118	1	06/24/14 11:04	06/27/14 01:35	11096-82-5	
Surrogates								
Tetrachloro-m-xylene (S)	87 %.		30-106	1	06/24/14 11:04	06/27/14 01:35	877-09-8	
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3050						
Antimony	ND	mg/kg	1.1	1	06/21/14 10:44	06/24/14 09:44	7440-36-0	
Arsenic	2.4	mg/kg	1.1	1	06/21/14 10:44	06/24/14 09:44	7440-38-2	
Chromium	3.6	mg/kg	1.1	1	06/21/14 10:44	06/24/14 09:44	7440-47-3	
Cobalt	1.7	mg/kg	1.1	1	06/21/14 10:44	06/24/14 09:44	7440-48-4	
Iron	4070	mg/kg	56.1	1	06/21/14 10:44	06/24/14 09:44	7439-89-6	
Lead	2.2	mg/kg	1.1	1	06/21/14 10:44	06/24/14 09:44	7439-92-1	
Selenium	ND	mg/kg	1.1	1	06/21/14 10:44	06/24/14 09:44	7782-49-2	
Thallium	1.8	mg/kg	1.1	1	06/21/14 10:44	06/24/14 09:44	7440-28-0	
8270 MSSV SHORT LIST MICROWAVE		Analytical Method: EPA 8270 Preparation Method: EPA 3546						
Acenaphthene	ND	ug/kg	389	1	06/23/14 12:26	06/23/14 23:18	83-32-9	
Acenaphthylene	ND	ug/kg	389	1	06/23/14 12:26	06/23/14 23:18	208-96-8	
Anthracene	ND	ug/kg	389	1	06/23/14 12:26	06/23/14 23:18	120-12-7	
Benzo(a)anthracene	ND	ug/kg	389	1	06/23/14 12:26	06/23/14 23:18	56-55-3	
Benzo(a)pyrene	ND	ug/kg	200	1	06/23/14 12:26	06/23/14 23:18	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	389	1	06/23/14 12:26	06/23/14 23:18	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	389	1	06/23/14 12:26	06/23/14 23:18	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	389	1	06/23/14 12:26	06/23/14 23:18	207-08-9	
Benzyl alcohol	ND	ug/kg	778	1	06/23/14 12:26	06/23/14 23:18	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	389	1	06/23/14 12:26	06/23/14 23:18	101-55-3	
Butylbenzylphthalate	ND	ug/kg	389	1	06/23/14 12:26	06/23/14 23:18	85-68-7	
4-Chloro-3-methylphenol	ND	ug/kg	778	1	06/23/14 12:26	06/23/14 23:18	59-50-7	
4-Chloroaniline	ND	ug/kg	778	1	06/23/14 12:26	06/23/14 23:18	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	389	1	06/23/14 12:26	06/23/14 23:18	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	389	1	06/23/14 12:26	06/23/14 23:18	111-44-4	
bis(2chloro1methylethyl) ether	ND	ug/kg	389	1	06/23/14 12:26	06/23/14 23:18	108-60-1	
2-Chloronaphthalene	ND	ug/kg	389	1	06/23/14 12:26	06/23/14 23:18	91-58-7	
2-Chlorophenol	ND	ug/kg	389	1	06/23/14 12:26	06/23/14 23:18	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	389	1	06/23/14 12:26	06/23/14 23:18	7005-72-3	
Chrysene	ND	ug/kg	389	1	06/23/14 12:26	06/23/14 23:18	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	200	1	06/23/14 12:26	06/23/14 23:18	53-70-3	
Dibenzofuran	ND	ug/kg	389	1	06/23/14 12:26	06/23/14 23:18	132-64-9	
3,3'-Dichlorobenzidine	ND	ug/kg	778	1	06/23/14 12:26	06/23/14 23:18	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	389	1	06/23/14 12:26	06/23/14 23:18	120-83-2	

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ANALYTICAL RESULTS

Project: Sibley - Accucast

Pace Project No.: 5099627

Sample: P-8 (16-18) **Lab ID: 5099627003** Collected: 06/19/14 12:45 Received: 06/20/14 10:42 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	389	1	06/23/14 12:26	06/23/14 23:18	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	389	1	06/23/14 12:26	06/23/14 23:18	105-67-9	
Dimethylphthalate	ND	ug/kg	389	1	06/23/14 12:26	06/23/14 23:18	131-11-3	
Di-n-butylphthalate	ND	ug/kg	389	1	06/23/14 12:26	06/23/14 23:18	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	1890	1	06/23/14 12:26	06/23/14 23:18	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	1890	1	06/23/14 12:26	06/23/14 23:18	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	389	1	06/23/14 12:26	06/23/14 23:18	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	389	1	06/23/14 12:26	06/23/14 23:18	606-20-2	
Di-n-octylphthalate	ND	ug/kg	389	1	06/23/14 12:26	06/23/14 23:18	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	389	1	06/23/14 12:26	06/23/14 23:18	117-81-7	
Fluoranthene	ND	ug/kg	389	1	06/23/14 12:26	06/23/14 23:18	206-44-0	
Fluorene	ND	ug/kg	389	1	06/23/14 12:26	06/23/14 23:18	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/kg	389	1	06/23/14 12:26	06/23/14 23:18	87-68-3	
Hexachlorobenzene	ND	ug/kg	389	1	06/23/14 12:26	06/23/14 23:18	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	389	1	06/23/14 12:26	06/23/14 23:18	77-47-4	
Hexachloroethane	ND	ug/kg	389	1	06/23/14 12:26	06/23/14 23:18	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	389	1	06/23/14 12:26	06/23/14 23:18	193-39-5	
Isophorone	ND	ug/kg	389	1	06/23/14 12:26	06/23/14 23:18	78-59-1	
2-Methylnaphthalene	ND	ug/kg	389	1	06/23/14 12:26	06/23/14 23:18	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	389	1	06/23/14 12:26	06/23/14 23:18	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	778	1	06/23/14 12:26	06/23/14 23:18		
Naphthalene	ND	ug/kg	389	1	06/23/14 12:26	06/23/14 23:18	91-20-3	
2-Nitroaniline	ND	ug/kg	1890	1	06/23/14 12:26	06/23/14 23:18	88-74-4	
3-Nitroaniline	ND	ug/kg	1890	1	06/23/14 12:26	06/23/14 23:18	99-09-2	
4-Nitroaniline	ND	ug/kg	1890	1	06/23/14 12:26	06/23/14 23:18	100-01-6	
Nitrobenzene	ND	ug/kg	389	1	06/23/14 12:26	06/23/14 23:18	98-95-3	
2-Nitrophenol	ND	ug/kg	389	1	06/23/14 12:26	06/23/14 23:18	88-75-5	
4-Nitrophenol	ND	ug/kg	1890	1	06/23/14 12:26	06/23/14 23:18	100-02-7	
N-Nitroso-di-n-propylamine	ND	ug/kg	389	1	06/23/14 12:26	06/23/14 23:18	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	389	1	06/23/14 12:26	06/23/14 23:18	86-30-6	
Pentachlorophenol	ND	ug/kg	1890	1	06/23/14 12:26	06/23/14 23:18	87-86-5	
Phenanthrene	ND	ug/kg	389	1	06/23/14 12:26	06/23/14 23:18	85-01-8	
Phenol	ND	ug/kg	389	1	06/23/14 12:26	06/23/14 23:18	108-95-2	
Pyrene	ND	ug/kg	389	1	06/23/14 12:26	06/23/14 23:18	129-00-0	
2,4,5-Trichlorophenol	ND	ug/kg	389	1	06/23/14 12:26	06/23/14 23:18	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	389	1	06/23/14 12:26	06/23/14 23:18	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	70 %.		28-101	1	06/23/14 12:26	06/23/14 23:18	4165-60-0	
2-Fluorobiphenyl (S)	73 %.		31-94	1	06/23/14 12:26	06/23/14 23:18	321-60-8	
p-Terphenyl-d14 (S)	96 %.		26-110	1	06/23/14 12:26	06/23/14 23:18	1718-51-0	
Phenol-d5 (S)	75 %.		28-101	1	06/23/14 12:26	06/23/14 23:18	4165-62-2	
2-Fluorophenol (S)	73 %.		24-104	1	06/23/14 12:26	06/23/14 23:18	367-12-4	
2,4,6-Tribromophenol (S)	81 %.		16-122	1	06/23/14 12:26	06/23/14 23:18	118-79-6	

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ANALYTICAL RESULTS

Project: Sibley - Accucast

Pace Project No.: 5099627

Sample: P-8 (16-18) **Lab ID: 5099627003** Collected: 06/19/14 12:45 Received: 06/20/14 10:42 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		07/02/14 08:20	67-64-1	
Acrolein	ND	ug/kg	98.1	1		07/02/14 08:20	107-02-8	
Acrylonitrile	ND	ug/kg	98.1	1		07/02/14 08:20	107-13-1	
Benzene	ND	ug/kg	4.9	1		07/02/14 08:20	71-43-2	
Bromobenzene	ND	ug/kg	4.9	1		07/02/14 08:20	108-86-1	
Bromochloromethane	ND	ug/kg	4.9	1		07/02/14 08:20	74-97-5	
Bromodichloromethane	ND	ug/kg	4.9	1		07/02/14 08:20	75-27-4	
Bromoform	ND	ug/kg	4.9	1		07/02/14 08:20	75-25-2	
Bromomethane	ND	ug/kg	4.9	1		07/02/14 08:20	74-83-9	
2-Butanone (MEK)	ND	ug/kg	24.5	1		07/02/14 08:20	78-93-3	
n-Butylbenzene	ND	ug/kg	4.9	1		07/02/14 08:20	104-51-8	
sec-Butylbenzene	ND	ug/kg	4.9	1		07/02/14 08:20	135-98-8	
tert-Butylbenzene	ND	ug/kg	4.9	1		07/02/14 08:20	98-06-6	
Carbon disulfide	ND	ug/kg	9.8	1		07/02/14 08:20	75-15-0	
Carbon tetrachloride	ND	ug/kg	4.9	1		07/02/14 08:20	56-23-5	
Chlorobenzene	ND	ug/kg	4.9	1		07/02/14 08:20	108-90-7	
Chloroethane	ND	ug/kg	4.9	1		07/02/14 08:20	75-00-3	
Chloroform	ND	ug/kg	4.9	1		07/02/14 08:20	67-66-3	
Chloromethane	ND	ug/kg	4.9	1		07/02/14 08:20	74-87-3	
2-Chlorotoluene	ND	ug/kg	4.9	1		07/02/14 08:20	95-49-8	
4-Chlorotoluene	ND	ug/kg	4.9	1		07/02/14 08:20	106-43-4	
Dibromochloromethane	ND	ug/kg	4.9	1		07/02/14 08:20	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	4.9	1		07/02/14 08:20	106-93-4	
Dibromomethane	ND	ug/kg	4.9	1		07/02/14 08:20	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	4.9	1		07/02/14 08:20	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	4.9	1		07/02/14 08:20	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	4.9	1		07/02/14 08:20	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/kg	98.1	1		07/02/14 08:20	110-57-6	
Dichlorodifluoromethane	ND	ug/kg	4.9	1		07/02/14 08:20	75-71-8	
1,1-Dichloroethane	ND	ug/kg	4.9	1		07/02/14 08:20	75-34-3	
1,2-Dichloroethane	ND	ug/kg	4.9	1		07/02/14 08:20	107-06-2	
1,1-Dichloroethene	ND	ug/kg	4.9	1		07/02/14 08:20	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	4.9	1		07/02/14 08:20	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	4.9	1		07/02/14 08:20	156-60-5	
1,2-Dichloropropane	ND	ug/kg	4.9	1		07/02/14 08:20	78-87-5	
1,3-Dichloropropane	ND	ug/kg	4.9	1		07/02/14 08:20	142-28-9	
2,2-Dichloropropane	ND	ug/kg	4.9	1		07/02/14 08:20	594-20-7	
1,1-Dichloropropene	ND	ug/kg	4.9	1		07/02/14 08:20	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	4.9	1		07/02/14 08:20	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	4.9	1		07/02/14 08:20	10061-02-6	
Ethylbenzene	ND	ug/kg	4.9	1		07/02/14 08:20	100-41-4	
Ethyl methacrylate	ND	ug/kg	98.1	1		07/02/14 08:20	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/kg	4.9	1		07/02/14 08:20	87-68-3	
n-Hexane	ND	ug/kg	4.9	1		07/02/14 08:20	110-54-3	N2
2-Hexanone	ND	ug/kg	98.1	1		07/02/14 08:20	591-78-6	
Iodomethane	ND	ug/kg	98.1	1		07/02/14 08:20	74-88-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Sibley - Accucast

Pace Project No.: 5099627

Sample: P-8 (16-18) **Lab ID: 5099627003** Collected: 06/19/14 12:45 Received: 06/20/14 10:42 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		07/02/14 08:20	98-82-8	
p-Isopropyltoluene	ND	ug/kg	4.9	1		07/02/14 08:20	99-87-6	
Methylene Chloride	ND	ug/kg	19.6	1		07/02/14 08:20	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	24.5	1		07/02/14 08:20	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	4.9	1		07/02/14 08:20	1634-04-4	
Naphthalene	ND	ug/kg	4.9	1		07/02/14 08:20	91-20-3	
n-Propylbenzene	ND	ug/kg	4.9	1		07/02/14 08:20	103-65-1	
Styrene	ND	ug/kg	4.9	1		07/02/14 08:20	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	4.9	1		07/02/14 08:20	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	4.9	1		07/02/14 08:20	79-34-5	
Tetrachloroethene	ND	ug/kg	4.9	1		07/02/14 08:20	127-18-4	
Toluene	ND	ug/kg	4.9	1		07/02/14 08:20	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	4.9	1		07/02/14 08:20	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	4.9	1		07/02/14 08:20	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	4.9	1		07/02/14 08:20	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	4.9	1		07/02/14 08:20	79-00-5	
Trichloroethene	ND	ug/kg	4.9	1		07/02/14 08:20	79-01-6	
Trichlorofluoromethane	ND	ug/kg	4.9	1		07/02/14 08:20	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	4.9	1		07/02/14 08:20	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	4.9	1		07/02/14 08:20	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	4.9	1		07/02/14 08:20	108-67-8	
Vinyl acetate	ND	ug/kg	98.1	1		07/02/14 08:20	108-05-4	
Vinyl chloride	ND	ug/kg	4.9	1		07/02/14 08:20	75-01-4	
Xylene (Total)	ND	ug/kg	9.8	1		07/02/14 08:20	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	91 %		85-118	1		07/02/14 08:20	1868-53-7	
Toluene-d8 (S)	98 %		71-128	1		07/02/14 08:20	2037-26-5	
4-Bromofluorobenzene (S)	93 %		56-144	1		07/02/14 08:20	460-00-4	
Percent Moisture		Analytical Method: ASTM D2974-87						
Percent Moisture	16.0 %		0.10	1		06/26/14 09:26		

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ANALYTICAL RESULTS

Project: Sibley - Accucast

Pace Project No.: 5099627

Sample: P-4 (16-18) **Lab ID: 5099627004** Collected: 06/19/14 11:03 Received: 06/20/14 10:42 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	119	1	06/24/14 11:04	06/27/14 01:53	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/kg	119	1	06/24/14 11:04	06/27/14 01:53	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/kg	119	1	06/24/14 11:04	06/27/14 01:53	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/kg	119	1	06/24/14 11:04	06/27/14 01:53	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/kg	119	1	06/24/14 11:04	06/27/14 01:53	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/kg	119	1	06/24/14 11:04	06/27/14 01:53	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	ug/kg	119	1	06/24/14 11:04	06/27/14 01:53	11096-82-5	
Surrogates								
Tetrachloro-m-xylene (S)	82 %.		30-106	1	06/24/14 11:04	06/27/14 01:53	877-09-8	
6010 MET ICP								
Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Antimony	ND	mg/kg	1.2	1	06/21/14 10:44	06/24/14 09:46	7440-36-0	
Arsenic	1.7	mg/kg	1.2	1	06/21/14 10:44	06/24/14 09:46	7440-38-2	
Chromium	2.9	mg/kg	1.2	1	06/21/14 10:44	06/24/14 09:46	7440-47-3	
Cobalt	1.3	mg/kg	1.2	1	06/21/14 10:44	06/24/14 09:46	7440-48-4	
Iron	3620	mg/kg	58.9	1	06/21/14 10:44	06/24/14 09:46	7439-89-6	
Lead	1.4	mg/kg	1.2	1	06/21/14 10:44	06/24/14 09:46	7439-92-1	
Selenium	ND	mg/kg	1.2	1	06/21/14 10:44	06/24/14 09:46	7782-49-2	
Thallium	1.8	mg/kg	1.2	1	06/21/14 10:44	06/24/14 09:46	7440-28-0	
8270 MSSV SHORT LIST MICROWAVE								
Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Acenaphthene	ND	ug/kg	392	1	06/23/14 12:26	06/23/14 23:41	83-32-9	
Acenaphthylene	ND	ug/kg	392	1	06/23/14 12:26	06/23/14 23:41	208-96-8	
Anthracene	ND	ug/kg	392	1	06/23/14 12:26	06/23/14 23:41	120-12-7	
Benzo(a)anthracene	ND	ug/kg	392	1	06/23/14 12:26	06/23/14 23:41	56-55-3	
Benzo(a)pyrene	ND	ug/kg	202	1	06/23/14 12:26	06/23/14 23:41	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	392	1	06/23/14 12:26	06/23/14 23:41	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	392	1	06/23/14 12:26	06/23/14 23:41	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	392	1	06/23/14 12:26	06/23/14 23:41	207-08-9	
Benzyl alcohol	ND	ug/kg	783	1	06/23/14 12:26	06/23/14 23:41	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	392	1	06/23/14 12:26	06/23/14 23:41	101-55-3	
Butylbenzylphthalate	ND	ug/kg	392	1	06/23/14 12:26	06/23/14 23:41	85-68-7	
4-Chloro-3-methylphenol	ND	ug/kg	783	1	06/23/14 12:26	06/23/14 23:41	59-50-7	
4-Chloroaniline	ND	ug/kg	783	1	06/23/14 12:26	06/23/14 23:41	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	392	1	06/23/14 12:26	06/23/14 23:41	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	392	1	06/23/14 12:26	06/23/14 23:41	111-44-4	
bis(2chloro1methylethyl) ether	ND	ug/kg	392	1	06/23/14 12:26	06/23/14 23:41	108-60-1	
2-Chloronaphthalene	ND	ug/kg	392	1	06/23/14 12:26	06/23/14 23:41	91-58-7	
2-Chlorophenol	ND	ug/kg	392	1	06/23/14 12:26	06/23/14 23:41	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	392	1	06/23/14 12:26	06/23/14 23:41	7005-72-3	
Chrysene	ND	ug/kg	392	1	06/23/14 12:26	06/23/14 23:41	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	202	1	06/23/14 12:26	06/23/14 23:41	53-70-3	
Dibenzofuran	ND	ug/kg	392	1	06/23/14 12:26	06/23/14 23:41	132-64-9	
3,3'-Dichlorobenzidine	ND	ug/kg	783	1	06/23/14 12:26	06/23/14 23:41	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	392	1	06/23/14 12:26	06/23/14 23:41	120-83-2	

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ANALYTICAL RESULTS

Project: Sibley - Accucast

Pace Project No.: 5099627

Sample: P-4 (16-18) **Lab ID: 5099627004** Collected: 06/19/14 11:03 Received: 06/20/14 10:42 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	392	1	06/23/14 12:26	06/23/14 23:41	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	392	1	06/23/14 12:26	06/23/14 23:41	105-67-9	
Dimethylphthalate	ND	ug/kg	392	1	06/23/14 12:26	06/23/14 23:41	131-11-3	
Di-n-butylphthalate	ND	ug/kg	392	1	06/23/14 12:26	06/23/14 23:41	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	1900	1	06/23/14 12:26	06/23/14 23:41	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	1900	1	06/23/14 12:26	06/23/14 23:41	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	392	1	06/23/14 12:26	06/23/14 23:41	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	392	1	06/23/14 12:26	06/23/14 23:41	606-20-2	
Di-n-octylphthalate	ND	ug/kg	392	1	06/23/14 12:26	06/23/14 23:41	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	392	1	06/23/14 12:26	06/23/14 23:41	117-81-7	
Fluoranthene	ND	ug/kg	392	1	06/23/14 12:26	06/23/14 23:41	206-44-0	
Fluorene	ND	ug/kg	392	1	06/23/14 12:26	06/23/14 23:41	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/kg	392	1	06/23/14 12:26	06/23/14 23:41	87-68-3	
Hexachlorobenzene	ND	ug/kg	392	1	06/23/14 12:26	06/23/14 23:41	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	392	1	06/23/14 12:26	06/23/14 23:41	77-47-4	
Hexachloroethane	ND	ug/kg	392	1	06/23/14 12:26	06/23/14 23:41	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	392	1	06/23/14 12:26	06/23/14 23:41	193-39-5	
Isophorone	ND	ug/kg	392	1	06/23/14 12:26	06/23/14 23:41	78-59-1	
2-Methylnaphthalene	ND	ug/kg	392	1	06/23/14 12:26	06/23/14 23:41	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	392	1	06/23/14 12:26	06/23/14 23:41	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	783	1	06/23/14 12:26	06/23/14 23:41		
Naphthalene	ND	ug/kg	392	1	06/23/14 12:26	06/23/14 23:41	91-20-3	
2-Nitroaniline	ND	ug/kg	1900	1	06/23/14 12:26	06/23/14 23:41	88-74-4	
3-Nitroaniline	ND	ug/kg	1900	1	06/23/14 12:26	06/23/14 23:41	99-09-2	
4-Nitroaniline	ND	ug/kg	1900	1	06/23/14 12:26	06/23/14 23:41	100-01-6	
Nitrobenzene	ND	ug/kg	392	1	06/23/14 12:26	06/23/14 23:41	98-95-3	
2-Nitrophenol	ND	ug/kg	392	1	06/23/14 12:26	06/23/14 23:41	88-75-5	
4-Nitrophenol	ND	ug/kg	1900	1	06/23/14 12:26	06/23/14 23:41	100-02-7	
N-Nitroso-di-n-propylamine	ND	ug/kg	392	1	06/23/14 12:26	06/23/14 23:41	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	392	1	06/23/14 12:26	06/23/14 23:41	86-30-6	
Pentachlorophenol	ND	ug/kg	1900	1	06/23/14 12:26	06/23/14 23:41	87-86-5	
Phenanthrene	ND	ug/kg	392	1	06/23/14 12:26	06/23/14 23:41	85-01-8	
Phenol	ND	ug/kg	392	1	06/23/14 12:26	06/23/14 23:41	108-95-2	
Pyrene	ND	ug/kg	392	1	06/23/14 12:26	06/23/14 23:41	129-00-0	
2,4,5-Trichlorophenol	ND	ug/kg	392	1	06/23/14 12:26	06/23/14 23:41	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	392	1	06/23/14 12:26	06/23/14 23:41	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	60 %.		28-101	1	06/23/14 12:26	06/23/14 23:41	4165-60-0	
2-Fluorobiphenyl (S)	65 %.		31-94	1	06/23/14 12:26	06/23/14 23:41	321-60-8	
p-Terphenyl-d14 (S)	84 %.		26-110	1	06/23/14 12:26	06/23/14 23:41	1718-51-0	
Phenol-d5 (S)	64 %.		28-101	1	06/23/14 12:26	06/23/14 23:41	4165-62-2	
2-Fluorophenol (S)	62 %.		24-104	1	06/23/14 12:26	06/23/14 23:41	367-12-4	
2,4,6-Tribromophenol (S)	68 %.		16-122	1	06/23/14 12:26	06/23/14 23:41	118-79-6	

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ANALYTICAL RESULTS

Project: Sibley - Accucast

Pace Project No.: 5099627

Sample: P-4 (16-18) **Lab ID: 5099627004** Collected: 06/19/14 11:03 Received: 06/20/14 10:42 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	95.2	1		07/02/14 08:54	67-64-1	
Acrolein	ND	ug/kg	95.2	1		07/02/14 08:54	107-02-8	
Acrylonitrile	ND	ug/kg	95.2	1		07/02/14 08:54	107-13-1	
Benzene	ND	ug/kg	4.8	1		07/02/14 08:54	71-43-2	
Bromobenzene	ND	ug/kg	4.8	1		07/02/14 08:54	108-86-1	
Bromochloromethane	ND	ug/kg	4.8	1		07/02/14 08:54	74-97-5	
Bromodichloromethane	ND	ug/kg	4.8	1		07/02/14 08:54	75-27-4	
Bromoform	ND	ug/kg	4.8	1		07/02/14 08:54	75-25-2	
Bromomethane	ND	ug/kg	4.8	1		07/02/14 08:54	74-83-9	
2-Butanone (MEK)	ND	ug/kg	23.8	1		07/02/14 08:54	78-93-3	
n-Butylbenzene	ND	ug/kg	4.8	1		07/02/14 08:54	104-51-8	
sec-Butylbenzene	ND	ug/kg	4.8	1		07/02/14 08:54	135-98-8	
tert-Butylbenzene	ND	ug/kg	4.8	1		07/02/14 08:54	98-06-6	
Carbon disulfide	ND	ug/kg	9.5	1		07/02/14 08:54	75-15-0	
Carbon tetrachloride	ND	ug/kg	4.8	1		07/02/14 08:54	56-23-5	
Chlorobenzene	ND	ug/kg	4.8	1		07/02/14 08:54	108-90-7	
Chloroethane	ND	ug/kg	4.8	1		07/02/14 08:54	75-00-3	
Chloroform	ND	ug/kg	4.8	1		07/02/14 08:54	67-66-3	
Chloromethane	ND	ug/kg	4.8	1		07/02/14 08:54	74-87-3	
2-Chlorotoluene	ND	ug/kg	4.8	1		07/02/14 08:54	95-49-8	
4-Chlorotoluene	ND	ug/kg	4.8	1		07/02/14 08:54	106-43-4	
Dibromochloromethane	ND	ug/kg	4.8	1		07/02/14 08:54	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	4.8	1		07/02/14 08:54	106-93-4	
Dibromomethane	ND	ug/kg	4.8	1		07/02/14 08:54	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	4.8	1		07/02/14 08:54	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	4.8	1		07/02/14 08:54	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	4.8	1		07/02/14 08:54	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/kg	95.2	1		07/02/14 08:54	110-57-6	
Dichlorodifluoromethane	ND	ug/kg	4.8	1		07/02/14 08:54	75-71-8	
1,1-Dichloroethane	ND	ug/kg	4.8	1		07/02/14 08:54	75-34-3	
1,2-Dichloroethane	ND	ug/kg	4.8	1		07/02/14 08:54	107-06-2	
1,1-Dichloroethene	ND	ug/kg	4.8	1		07/02/14 08:54	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	4.8	1		07/02/14 08:54	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	4.8	1		07/02/14 08:54	156-60-5	
1,2-Dichloropropane	ND	ug/kg	4.8	1		07/02/14 08:54	78-87-5	
1,3-Dichloropropane	ND	ug/kg	4.8	1		07/02/14 08:54	142-28-9	
2,2-Dichloropropane	ND	ug/kg	4.8	1		07/02/14 08:54	594-20-7	
1,1-Dichloropropene	ND	ug/kg	4.8	1		07/02/14 08:54	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	4.8	1		07/02/14 08:54	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	4.8	1		07/02/14 08:54	10061-02-6	
Ethylbenzene	ND	ug/kg	4.8	1		07/02/14 08:54	100-41-4	
Ethyl methacrylate	ND	ug/kg	95.2	1		07/02/14 08:54	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/kg	4.8	1		07/02/14 08:54	87-68-3	
n-Hexane	ND	ug/kg	4.8	1		07/02/14 08:54	110-54-3	N2
2-Hexanone	ND	ug/kg	95.2	1		07/02/14 08:54	591-78-6	
Iodomethane	ND	ug/kg	95.2	1		07/02/14 08:54	74-88-4	

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ANALYTICAL RESULTS

Project: Sibley - Accucast

Pace Project No.: 5099627

Sample: P-4 (16-18) **Lab ID: 5099627004** Collected: 06/19/14 11:03 Received: 06/20/14 10:42 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	4.8	1		07/02/14 08:54	98-82-8	
p-Isopropyltoluene	ND	ug/kg	4.8	1		07/02/14 08:54	99-87-6	
Methylene Chloride	ND	ug/kg	19.0	1		07/02/14 08:54	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	23.8	1		07/02/14 08:54	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	4.8	1		07/02/14 08:54	1634-04-4	
Naphthalene	ND	ug/kg	4.8	1		07/02/14 08:54	91-20-3	
n-Propylbenzene	ND	ug/kg	4.8	1		07/02/14 08:54	103-65-1	
Styrene	ND	ug/kg	4.8	1		07/02/14 08:54	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	4.8	1		07/02/14 08:54	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	4.8	1		07/02/14 08:54	79-34-5	
Tetrachloroethene	ND	ug/kg	4.8	1		07/02/14 08:54	127-18-4	
Toluene	ND	ug/kg	4.8	1		07/02/14 08:54	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	4.8	1		07/02/14 08:54	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	4.8	1		07/02/14 08:54	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	4.8	1		07/02/14 08:54	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	4.8	1		07/02/14 08:54	79-00-5	
Trichloroethene	ND	ug/kg	4.8	1		07/02/14 08:54	79-01-6	
Trichlorofluoromethane	ND	ug/kg	4.8	1		07/02/14 08:54	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	4.8	1		07/02/14 08:54	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	4.8	1		07/02/14 08:54	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	4.8	1		07/02/14 08:54	108-67-8	
Vinyl acetate	ND	ug/kg	95.2	1		07/02/14 08:54	108-05-4	
Vinyl chloride	ND	ug/kg	4.8	1		07/02/14 08:54	75-01-4	
Xylene (Total)	ND	ug/kg	9.5	1		07/02/14 08:54	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	95 %		85-118	1		07/02/14 08:54	1868-53-7	
Toluene-d8 (S)	98 %		71-128	1		07/02/14 08:54	2037-26-5	
4-Bromofluorobenzene (S)	93 %		56-144	1		07/02/14 08:54	460-00-4	
Percent Moisture		Analytical Method: ASTM D2974-87						
Percent Moisture	16.0 %		0.10	1		06/26/14 09:26		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Sibley - Accucast

Pace Project No.: 5099627

Sample: TMW-9 (3-5) **Lab ID: 5099627005** Collected: 06/19/14 14:12 Received: 06/20/14 10:42 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	120	1	06/24/14 11:04	06/27/14 01:59	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/kg	120	1	06/24/14 11:04	06/27/14 01:59	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/kg	120	1	06/24/14 11:04	06/27/14 01:59	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/kg	120	1	06/24/14 11:04	06/27/14 01:59	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/kg	120	1	06/24/14 11:04	06/27/14 01:59	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/kg	120	1	06/24/14 11:04	06/27/14 01:59	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	ug/kg	120	1	06/24/14 11:04	06/27/14 01:59	11096-82-5	
Surrogates								
Tetrachloro-m-xylene (S)	85 %.		30-106	1	06/24/14 11:04	06/27/14 01:59	877-09-8	
6010 MET ICP								
Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Antimony	ND	mg/kg	1.0	1	06/21/14 10:44	06/24/14 09:48	7440-36-0	
Arsenic	2.3	mg/kg	1.0	1	06/21/14 10:44	06/24/14 09:48	7440-38-2	
Chromium	2.8	mg/kg	1.0	1	06/21/14 10:44	06/24/14 09:48	7440-47-3	
Cobalt	1.6	mg/kg	1.0	1	06/21/14 10:44	06/24/14 09:48	7440-48-4	
Iron	4000	mg/kg	52.2	1	06/21/14 10:44	06/24/14 09:48	7439-89-6	
Lead	4.4	mg/kg	1.0	1	06/21/14 10:44	06/24/14 09:48	7439-92-1	
Selenium	ND	mg/kg	1.0	1	06/21/14 10:44	06/24/14 09:48	7782-49-2	
Thallium	1.7	mg/kg	1.0	1	06/21/14 10:44	06/24/14 09:48	7440-28-0	
8270 MSSV SHORT LIST MICROWAVE								
Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Acenaphthene	ND	ug/kg	393	1	06/23/14 12:26	06/24/14 00:04	83-32-9	
Acenaphthylene	ND	ug/kg	393	1	06/23/14 12:26	06/24/14 00:04	208-96-8	
Anthracene	ND	ug/kg	393	1	06/23/14 12:26	06/24/14 00:04	120-12-7	
Benzo(a)anthracene	ND	ug/kg	393	1	06/23/14 12:26	06/24/14 00:04	56-55-3	
Benzo(a)pyrene	ND	ug/kg	202	1	06/23/14 12:26	06/24/14 00:04	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	393	1	06/23/14 12:26	06/24/14 00:04	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	393	1	06/23/14 12:26	06/24/14 00:04	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	393	1	06/23/14 12:26	06/24/14 00:04	207-08-9	
Benzyl alcohol	ND	ug/kg	785	1	06/23/14 12:26	06/24/14 00:04	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	393	1	06/23/14 12:26	06/24/14 00:04	101-55-3	
Butylbenzylphthalate	ND	ug/kg	393	1	06/23/14 12:26	06/24/14 00:04	85-68-7	
4-Chloro-3-methylphenol	ND	ug/kg	785	1	06/23/14 12:26	06/24/14 00:04	59-50-7	
4-Chloroaniline	ND	ug/kg	785	1	06/23/14 12:26	06/24/14 00:04	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	393	1	06/23/14 12:26	06/24/14 00:04	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	393	1	06/23/14 12:26	06/24/14 00:04	111-44-4	
bis(2chloro1methylethyl) ether	ND	ug/kg	393	1	06/23/14 12:26	06/24/14 00:04	108-60-1	
2-Chloronaphthalene	ND	ug/kg	393	1	06/23/14 12:26	06/24/14 00:04	91-58-7	
2-Chlorophenol	ND	ug/kg	393	1	06/23/14 12:26	06/24/14 00:04	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	393	1	06/23/14 12:26	06/24/14 00:04	7005-72-3	
Chrysene	ND	ug/kg	393	1	06/23/14 12:26	06/24/14 00:04	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	202	1	06/23/14 12:26	06/24/14 00:04	53-70-3	
Dibenzofuran	ND	ug/kg	393	1	06/23/14 12:26	06/24/14 00:04	132-64-9	
3,3'-Dichlorobenzidine	ND	ug/kg	785	1	06/23/14 12:26	06/24/14 00:04	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	393	1	06/23/14 12:26	06/24/14 00:04	120-83-2	

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ANALYTICAL RESULTS

Project: Sibley - Accucast

Pace Project No.: 5099627

Sample: TMW-9 (3-5) **Lab ID: 5099627005** Collected: 06/19/14 14:12 Received: 06/20/14 10:42 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		393	1	06/23/14 12:26	06/24/14 00:04	84-66-2	
2,4-Dimethylphenol	ND ug/kg		393	1	06/23/14 12:26	06/24/14 00:04	105-67-9	
Dimethylphthalate	ND ug/kg		393	1	06/23/14 12:26	06/24/14 00:04	131-11-3	
Di-n-butylphthalate	ND ug/kg		393	1	06/23/14 12:26	06/24/14 00:04	84-74-2	
4,6-Dinitro-2-methylphenol	ND ug/kg		1900	1	06/23/14 12:26	06/24/14 00:04	534-52-1	
2,4-Dinitrophenol	ND ug/kg		1900	1	06/23/14 12:26	06/24/14 00:04	51-28-5	
2,4-Dinitrotoluene	ND ug/kg		393	1	06/23/14 12:26	06/24/14 00:04	121-14-2	
2,6-Dinitrotoluene	ND ug/kg		393	1	06/23/14 12:26	06/24/14 00:04	606-20-2	
Di-n-octylphthalate	ND ug/kg		393	1	06/23/14 12:26	06/24/14 00:04	117-84-0	
bis(2-Ethylhexyl)phthalate	ND ug/kg		393	1	06/23/14 12:26	06/24/14 00:04	117-81-7	
Fluoranthene	ND ug/kg		393	1	06/23/14 12:26	06/24/14 00:04	206-44-0	
Fluorene	ND ug/kg		393	1	06/23/14 12:26	06/24/14 00:04	86-73-7	
Hexachloro-1,3-butadiene	ND ug/kg		393	1	06/23/14 12:26	06/24/14 00:04	87-68-3	
Hexachlorobenzene	ND ug/kg		393	1	06/23/14 12:26	06/24/14 00:04	118-74-1	
Hexachlorocyclopentadiene	ND ug/kg		393	1	06/23/14 12:26	06/24/14 00:04	77-47-4	
Hexachloroethane	ND ug/kg		393	1	06/23/14 12:26	06/24/14 00:04	67-72-1	
Indeno(1,2,3-cd)pyrene	ND ug/kg		393	1	06/23/14 12:26	06/24/14 00:04	193-39-5	
Isophorone	ND ug/kg		393	1	06/23/14 12:26	06/24/14 00:04	78-59-1	
2-Methylnaphthalene	ND ug/kg		393	1	06/23/14 12:26	06/24/14 00:04	91-57-6	
2-Methylphenol(o-Cresol)	ND ug/kg		393	1	06/23/14 12:26	06/24/14 00:04	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND ug/kg		785	1	06/23/14 12:26	06/24/14 00:04		
Naphthalene	ND ug/kg		393	1	06/23/14 12:26	06/24/14 00:04	91-20-3	
2-Nitroaniline	ND ug/kg		1900	1	06/23/14 12:26	06/24/14 00:04	88-74-4	
3-Nitroaniline	ND ug/kg		1900	1	06/23/14 12:26	06/24/14 00:04	99-09-2	
4-Nitroaniline	ND ug/kg		1900	1	06/23/14 12:26	06/24/14 00:04	100-01-6	
Nitrobenzene	ND ug/kg		393	1	06/23/14 12:26	06/24/14 00:04	98-95-3	
2-Nitrophenol	ND ug/kg		393	1	06/23/14 12:26	06/24/14 00:04	88-75-5	
4-Nitrophenol	ND ug/kg		1900	1	06/23/14 12:26	06/24/14 00:04	100-02-7	
N-Nitroso-di-n-propylamine	ND ug/kg		393	1	06/23/14 12:26	06/24/14 00:04	621-64-7	
N-Nitrosodiphenylamine	ND ug/kg		393	1	06/23/14 12:26	06/24/14 00:04	86-30-6	
Pentachlorophenol	ND ug/kg		1900	1	06/23/14 12:26	06/24/14 00:04	87-86-5	
Phenanthrene	ND ug/kg		393	1	06/23/14 12:26	06/24/14 00:04	85-01-8	
Phenol	ND ug/kg		393	1	06/23/14 12:26	06/24/14 00:04	108-95-2	
Pyrene	ND ug/kg		393	1	06/23/14 12:26	06/24/14 00:04	129-00-0	
2,4,5-Trichlorophenol	ND ug/kg		393	1	06/23/14 12:26	06/24/14 00:04	95-95-4	
2,4,6-Trichlorophenol	ND ug/kg		393	1	06/23/14 12:26	06/24/14 00:04	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	73 %.		28-101	1	06/23/14 12:26	06/24/14 00:04	4165-60-0	
2-Fluorobiphenyl (S)	76 %.		31-94	1	06/23/14 12:26	06/24/14 00:04	321-60-8	
p-Terphenyl-d14 (S)	95 %.		26-110	1	06/23/14 12:26	06/24/14 00:04	1718-51-0	
Phenol-d5 (S)	77 %.		28-101	1	06/23/14 12:26	06/24/14 00:04	4165-62-2	
2-Fluorophenol (S)	75 %.		24-104	1	06/23/14 12:26	06/24/14 00:04	367-12-4	
2,4,6-Tribromophenol (S)	80 %.		16-122	1	06/23/14 12:26	06/24/14 00:04	118-79-6	

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ANALYTICAL RESULTS

Project: Sibley - Accucast

Pace Project No.: 5099627

Sample: TMW-9 (3-5) **Lab ID: 5099627005** Collected: 06/19/14 14:12 Received: 06/20/14 10:42 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	98.9	1		07/02/14 15:48	67-64-1	
Acrolein	ND	ug/kg	98.9	1		07/02/14 15:48	107-02-8	
Acrylonitrile	ND	ug/kg	98.9	1		07/02/14 15:48	107-13-1	
Benzene	ND	ug/kg	4.9	1		07/02/14 15:48	71-43-2	
Bromobenzene	ND	ug/kg	4.9	1		07/02/14 15:48	108-86-1	
Bromochloromethane	ND	ug/kg	4.9	1		07/02/14 15:48	74-97-5	
Bromodichloromethane	ND	ug/kg	4.9	1		07/02/14 15:48	75-27-4	
Bromoform	ND	ug/kg	4.9	1		07/02/14 15:48	75-25-2	
Bromomethane	ND	ug/kg	4.9	1		07/02/14 15:48	74-83-9	
2-Butanone (MEK)	ND	ug/kg	24.7	1		07/02/14 15:48	78-93-3	
n-Butylbenzene	ND	ug/kg	4.9	1		07/02/14 15:48	104-51-8	
sec-Butylbenzene	ND	ug/kg	4.9	1		07/02/14 15:48	135-98-8	
tert-Butylbenzene	ND	ug/kg	4.9	1		07/02/14 15:48	98-06-6	
Carbon disulfide	ND	ug/kg	9.9	1		07/02/14 15:48	75-15-0	
Carbon tetrachloride	ND	ug/kg	4.9	1		07/02/14 15:48	56-23-5	
Chlorobenzene	ND	ug/kg	4.9	1		07/02/14 15:48	108-90-7	
Chloroethane	ND	ug/kg	4.9	1		07/02/14 15:48	75-00-3	
Chloroform	ND	ug/kg	4.9	1		07/02/14 15:48	67-66-3	
Chloromethane	ND	ug/kg	4.9	1		07/02/14 15:48	74-87-3	
2-Chlorotoluene	ND	ug/kg	4.9	1		07/02/14 15:48	95-49-8	
4-Chlorotoluene	ND	ug/kg	4.9	1		07/02/14 15:48	106-43-4	
Dibromochloromethane	ND	ug/kg	4.9	1		07/02/14 15:48	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	4.9	1		07/02/14 15:48	106-93-4	
Dibromomethane	ND	ug/kg	4.9	1		07/02/14 15:48	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	4.9	1		07/02/14 15:48	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	4.9	1		07/02/14 15:48	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	4.9	1		07/02/14 15:48	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/kg	98.9	1		07/02/14 15:48	110-57-6	
Dichlorodifluoromethane	ND	ug/kg	4.9	1		07/02/14 15:48	75-71-8	
1,1-Dichloroethane	ND	ug/kg	4.9	1		07/02/14 15:48	75-34-3	
1,2-Dichloroethane	ND	ug/kg	4.9	1		07/02/14 15:48	107-06-2	
1,1-Dichloroethene	ND	ug/kg	4.9	1		07/02/14 15:48	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	4.9	1		07/02/14 15:48	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	4.9	1		07/02/14 15:48	156-60-5	
1,2-Dichloropropane	ND	ug/kg	4.9	1		07/02/14 15:48	78-87-5	
1,3-Dichloropropane	ND	ug/kg	4.9	1		07/02/14 15:48	142-28-9	
2,2-Dichloropropane	ND	ug/kg	4.9	1		07/02/14 15:48	594-20-7	
1,1-Dichloropropene	ND	ug/kg	4.9	1		07/02/14 15:48	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	4.9	1		07/02/14 15:48	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	4.9	1		07/02/14 15:48	10061-02-6	
Ethylbenzene	ND	ug/kg	4.9	1		07/02/14 15:48	100-41-4	
Ethyl methacrylate	ND	ug/kg	98.9	1		07/02/14 15:48	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/kg	4.9	1		07/02/14 15:48	87-68-3	
n-Hexane	ND	ug/kg	4.9	1		07/02/14 15:48	110-54-3	N2
2-Hexanone	ND	ug/kg	98.9	1		07/02/14 15:48	591-78-6	
Iodomethane	ND	ug/kg	98.9	1		07/02/14 15:48	74-88-4	

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ANALYTICAL RESULTS

Project: Sibley - Accucast

Pace Project No.: 5099627

Sample: TMW-9 (3-5) **Lab ID: 5099627005** Collected: 06/19/14 14:12 Received: 06/20/14 10:42 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		07/02/14 15:48	98-82-8	
p-Isopropyltoluene	ND	ug/kg	4.9	1		07/02/14 15:48	99-87-6	
Methylene Chloride	ND	ug/kg	19.8	1		07/02/14 15:48	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	24.7	1		07/02/14 15:48	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	4.9	1		07/02/14 15:48	1634-04-4	
Naphthalene	ND	ug/kg	4.9	1		07/02/14 15:48	91-20-3	
n-Propylbenzene	ND	ug/kg	4.9	1		07/02/14 15:48	103-65-1	
Styrene	ND	ug/kg	4.9	1		07/02/14 15:48	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	4.9	1		07/02/14 15:48	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	4.9	1		07/02/14 15:48	79-34-5	
Tetrachloroethene	ND	ug/kg	4.9	1		07/02/14 15:48	127-18-4	
Toluene	ND	ug/kg	4.9	1		07/02/14 15:48	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	4.9	1		07/02/14 15:48	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	4.9	1		07/02/14 15:48	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	4.9	1		07/02/14 15:48	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	4.9	1		07/02/14 15:48	79-00-5	
Trichloroethene	ND	ug/kg	4.9	1		07/02/14 15:48	79-01-6	
Trichlorofluoromethane	ND	ug/kg	4.9	1		07/02/14 15:48	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	4.9	1		07/02/14 15:48	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	4.9	1		07/02/14 15:48	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	4.9	1		07/02/14 15:48	108-67-8	
Vinyl acetate	ND	ug/kg	98.9	1		07/02/14 15:48	108-05-4	
Vinyl chloride	ND	ug/kg	4.9	1		07/02/14 15:48	75-01-4	
Xylene (Total)	ND	ug/kg	9.9	1		07/02/14 15:48	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	98 %		85-118	1		07/02/14 15:48	1868-53-7	
Toluene-d8 (S)	99 %		71-128	1		07/02/14 15:48	2037-26-5	
4-Bromofluorobenzene (S)	94 %		56-144	1		07/02/14 15:48	460-00-4	
Percent Moisture		Analytical Method: ASTM D2974-87						
Percent Moisture	17.0 %		0.10	1		06/26/14 09:26		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Sibley - Accucast

Pace Project No.: 5099627

Sample: TMW-3 (15-16) **Lab ID: 5099627006** Collected: 06/19/14 09:15 Received: 06/20/14 10:42 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	117	1	06/24/14 11:04	06/27/14 02:04	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/kg	117	1	06/24/14 11:04	06/27/14 02:04	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/kg	117	1	06/24/14 11:04	06/27/14 02:04	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/kg	117	1	06/24/14 11:04	06/27/14 02:04	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/kg	117	1	06/24/14 11:04	06/27/14 02:04	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/kg	117	1	06/24/14 11:04	06/27/14 02:04	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	ug/kg	117	1	06/24/14 11:04	06/27/14 02:04	11096-82-5	
Surrogates								
Tetrachloro-m-xylene (S)	74 %.		30-106	1	06/24/14 11:04	06/27/14 02:04	877-09-8	
6010 MET ICP								
Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Antimony	ND	mg/kg	1.1	1	06/21/14 10:44	06/24/14 09:56	7440-36-0	
Arsenic	5.5	mg/kg	1.1	1	06/21/14 10:44	06/24/14 09:56	7440-38-2	
Chromium	2.6	mg/kg	1.1	1	06/21/14 10:44	06/24/14 09:56	7440-47-3	
Cobalt	1.6	mg/kg	1.1	1	06/21/14 10:44	06/24/14 09:56	7440-48-4	
Iron	5710	mg/kg	55.9	1	06/21/14 10:44	06/24/14 09:56	7439-89-6	
Lead	6.4	mg/kg	1.1	1	06/21/14 10:44	06/24/14 09:56	7439-92-1	
Selenium	ND	mg/kg	1.1	1	06/21/14 10:44	06/24/14 09:56	7782-49-2	
Thallium	1.9	mg/kg	1.1	1	06/21/14 10:44	06/24/14 09:56	7440-28-0	
8270 MSSV SHORT LIST MICROWAVE								
Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Acenaphthene	ND	ug/kg	384	1	06/23/14 12:26	06/24/14 00:27	83-32-9	
Acenaphthylene	ND	ug/kg	384	1	06/23/14 12:26	06/24/14 00:27	208-96-8	
Anthracene	ND	ug/kg	384	1	06/23/14 12:26	06/24/14 00:27	120-12-7	
Benzo(a)anthracene	ND	ug/kg	384	1	06/23/14 12:26	06/24/14 00:27	56-55-3	
Benzo(a)pyrene	ND	ug/kg	198	1	06/23/14 12:26	06/24/14 00:27	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	384	1	06/23/14 12:26	06/24/14 00:27	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	384	1	06/23/14 12:26	06/24/14 00:27	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	384	1	06/23/14 12:26	06/24/14 00:27	207-08-9	
Benzyl alcohol	ND	ug/kg	768	1	06/23/14 12:26	06/24/14 00:27	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	384	1	06/23/14 12:26	06/24/14 00:27	101-55-3	
Butylbenzylphthalate	ND	ug/kg	384	1	06/23/14 12:26	06/24/14 00:27	85-68-7	
4-Chloro-3-methylphenol	ND	ug/kg	768	1	06/23/14 12:26	06/24/14 00:27	59-50-7	
4-Chloroaniline	ND	ug/kg	768	1	06/23/14 12:26	06/24/14 00:27	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	384	1	06/23/14 12:26	06/24/14 00:27	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	384	1	06/23/14 12:26	06/24/14 00:27	111-44-4	
bis(2chloro1methylethyl) ether	ND	ug/kg	384	1	06/23/14 12:26	06/24/14 00:27	108-60-1	
2-Chloronaphthalene	ND	ug/kg	384	1	06/23/14 12:26	06/24/14 00:27	91-58-7	
2-Chlorophenol	ND	ug/kg	384	1	06/23/14 12:26	06/24/14 00:27	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	384	1	06/23/14 12:26	06/24/14 00:27	7005-72-3	
Chrysene	ND	ug/kg	384	1	06/23/14 12:26	06/24/14 00:27	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	198	1	06/23/14 12:26	06/24/14 00:27	53-70-3	
Dibenzofuran	ND	ug/kg	384	1	06/23/14 12:26	06/24/14 00:27	132-64-9	
3,3'-Dichlorobenzidine	ND	ug/kg	768	1	06/23/14 12:26	06/24/14 00:27	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	384	1	06/23/14 12:26	06/24/14 00:27	120-83-2	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Sibley - Accucast

Pace Project No.: 5099627

Sample: TMW-3 (15-16) **Lab ID: 5099627006** Collected: 06/19/14 09:15 Received: 06/20/14 10:42 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	384	1	06/23/14 12:26	06/24/14 00:27	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	384	1	06/23/14 12:26	06/24/14 00:27	105-67-9	
Dimethylphthalate	ND	ug/kg	384	1	06/23/14 12:26	06/24/14 00:27	131-11-3	
Di-n-butylphthalate	ND	ug/kg	384	1	06/23/14 12:26	06/24/14 00:27	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	1860	1	06/23/14 12:26	06/24/14 00:27	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	1860	1	06/23/14 12:26	06/24/14 00:27	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	384	1	06/23/14 12:26	06/24/14 00:27	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	384	1	06/23/14 12:26	06/24/14 00:27	606-20-2	
Di-n-octylphthalate	ND	ug/kg	384	1	06/23/14 12:26	06/24/14 00:27	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	384	1	06/23/14 12:26	06/24/14 00:27	117-81-7	
Fluoranthene	ND	ug/kg	384	1	06/23/14 12:26	06/24/14 00:27	206-44-0	
Fluorene	ND	ug/kg	384	1	06/23/14 12:26	06/24/14 00:27	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/kg	384	1	06/23/14 12:26	06/24/14 00:27	87-68-3	
Hexachlorobenzene	ND	ug/kg	384	1	06/23/14 12:26	06/24/14 00:27	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	384	1	06/23/14 12:26	06/24/14 00:27	77-47-4	
Hexachloroethane	ND	ug/kg	384	1	06/23/14 12:26	06/24/14 00:27	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	384	1	06/23/14 12:26	06/24/14 00:27	193-39-5	
Isophorone	ND	ug/kg	384	1	06/23/14 12:26	06/24/14 00:27	78-59-1	
2-Methylnaphthalene	ND	ug/kg	384	1	06/23/14 12:26	06/24/14 00:27	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	384	1	06/23/14 12:26	06/24/14 00:27	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	768	1	06/23/14 12:26	06/24/14 00:27		
Naphthalene	ND	ug/kg	384	1	06/23/14 12:26	06/24/14 00:27	91-20-3	
2-Nitroaniline	ND	ug/kg	1860	1	06/23/14 12:26	06/24/14 00:27	88-74-4	
3-Nitroaniline	ND	ug/kg	1860	1	06/23/14 12:26	06/24/14 00:27	99-09-2	
4-Nitroaniline	ND	ug/kg	1860	1	06/23/14 12:26	06/24/14 00:27	100-01-6	
Nitrobenzene	ND	ug/kg	384	1	06/23/14 12:26	06/24/14 00:27	98-95-3	
2-Nitrophenol	ND	ug/kg	384	1	06/23/14 12:26	06/24/14 00:27	88-75-5	
4-Nitrophenol	ND	ug/kg	1860	1	06/23/14 12:26	06/24/14 00:27	100-02-7	
N-Nitroso-di-n-propylamine	ND	ug/kg	384	1	06/23/14 12:26	06/24/14 00:27	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	384	1	06/23/14 12:26	06/24/14 00:27	86-30-6	
Pentachlorophenol	ND	ug/kg	1860	1	06/23/14 12:26	06/24/14 00:27	87-86-5	
Phenanthrene	ND	ug/kg	384	1	06/23/14 12:26	06/24/14 00:27	85-01-8	
Phenol	ND	ug/kg	384	1	06/23/14 12:26	06/24/14 00:27	108-95-2	
Pyrene	ND	ug/kg	384	1	06/23/14 12:26	06/24/14 00:27	129-00-0	
2,4,5-Trichlorophenol	ND	ug/kg	384	1	06/23/14 12:26	06/24/14 00:27	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	384	1	06/23/14 12:26	06/24/14 00:27	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	70 %.		28-101	1	06/23/14 12:26	06/24/14 00:27	4165-60-0	
2-Fluorobiphenyl (S)	74 %.		31-94	1	06/23/14 12:26	06/24/14 00:27	321-60-8	
p-Terphenyl-d14 (S)	101 %.		26-110	1	06/23/14 12:26	06/24/14 00:27	1718-51-0	
Phenol-d5 (S)	76 %.		28-101	1	06/23/14 12:26	06/24/14 00:27	4165-62-2	
2-Fluorophenol (S)	73 %.		24-104	1	06/23/14 12:26	06/24/14 00:27	367-12-4	
2,4,6-Tribromophenol (S)	82 %.		16-122	1	06/23/14 12:26	06/24/14 00:27	118-79-6	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Sibley - Accucast

Pace Project No.: 5099627

Sample: TMW-3 (15-16) **Lab ID: 5099627006** Collected: 06/19/14 09:15 Received: 06/20/14 10:42 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	99.6	1		07/02/14 16:21	67-64-1	
Acrolein	ND	ug/kg	99.6	1		07/02/14 16:21	107-02-8	
Acrylonitrile	ND	ug/kg	99.6	1		07/02/14 16:21	107-13-1	
Benzene	ND	ug/kg	5.0	1		07/02/14 16:21	71-43-2	
Bromobenzene	ND	ug/kg	5.0	1		07/02/14 16:21	108-86-1	
Bromochloromethane	ND	ug/kg	5.0	1		07/02/14 16:21	74-97-5	
Bromodichloromethane	ND	ug/kg	5.0	1		07/02/14 16:21	75-27-4	
Bromoform	ND	ug/kg	5.0	1		07/02/14 16:21	75-25-2	
Bromomethane	ND	ug/kg	5.0	1		07/02/14 16:21	74-83-9	
2-Butanone (MEK)	ND	ug/kg	24.9	1		07/02/14 16:21	78-93-3	
n-Butylbenzene	ND	ug/kg	5.0	1		07/02/14 16:21	104-51-8	
sec-Butylbenzene	ND	ug/kg	5.0	1		07/02/14 16:21	135-98-8	
tert-Butylbenzene	ND	ug/kg	5.0	1		07/02/14 16:21	98-06-6	
Carbon disulfide	ND	ug/kg	10	1		07/02/14 16:21	75-15-0	
Carbon tetrachloride	ND	ug/kg	5.0	1		07/02/14 16:21	56-23-5	
Chlorobenzene	ND	ug/kg	5.0	1		07/02/14 16:21	108-90-7	
Chloroethane	ND	ug/kg	5.0	1		07/02/14 16:21	75-00-3	
Chloroform	ND	ug/kg	5.0	1		07/02/14 16:21	67-66-3	
Chloromethane	ND	ug/kg	5.0	1		07/02/14 16:21	74-87-3	
2-Chlorotoluene	ND	ug/kg	5.0	1		07/02/14 16:21	95-49-8	
4-Chlorotoluene	ND	ug/kg	5.0	1		07/02/14 16:21	106-43-4	
Dibromochloromethane	ND	ug/kg	5.0	1		07/02/14 16:21	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	5.0	1		07/02/14 16:21	106-93-4	
Dibromomethane	ND	ug/kg	5.0	1		07/02/14 16:21	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	5.0	1		07/02/14 16:21	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	5.0	1		07/02/14 16:21	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	5.0	1		07/02/14 16:21	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/kg	99.6	1		07/02/14 16:21	110-57-6	
Dichlorodifluoromethane	ND	ug/kg	5.0	1		07/02/14 16:21	75-71-8	
1,1-Dichloroethane	ND	ug/kg	5.0	1		07/02/14 16:21	75-34-3	
1,2-Dichloroethane	ND	ug/kg	5.0	1		07/02/14 16:21	107-06-2	
1,1-Dichloroethene	ND	ug/kg	5.0	1		07/02/14 16:21	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	5.0	1		07/02/14 16:21	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	5.0	1		07/02/14 16:21	156-60-5	
1,2-Dichloropropane	ND	ug/kg	5.0	1		07/02/14 16:21	78-87-5	
1,3-Dichloropropane	ND	ug/kg	5.0	1		07/02/14 16:21	142-28-9	
2,2-Dichloropropane	ND	ug/kg	5.0	1		07/02/14 16:21	594-20-7	
1,1-Dichloropropene	ND	ug/kg	5.0	1		07/02/14 16:21	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	5.0	1		07/02/14 16:21	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	5.0	1		07/02/14 16:21	10061-02-6	
Ethylbenzene	ND	ug/kg	5.0	1		07/02/14 16:21	100-41-4	
Ethyl methacrylate	ND	ug/kg	99.6	1		07/02/14 16:21	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/kg	5.0	1		07/02/14 16:21	87-68-3	
n-Hexane	ND	ug/kg	5.0	1		07/02/14 16:21	110-54-3	N2
2-Hexanone	ND	ug/kg	99.6	1		07/02/14 16:21	591-78-6	
Iodomethane	ND	ug/kg	99.6	1		07/02/14 16:21	74-88-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Sibley - Accucast

Pace Project No.: 5099627

Sample: TMW-3 (15-16) **Lab ID: 5099627006** Collected: 06/19/14 09:15 Received: 06/20/14 10:42 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	5.0	1		07/02/14 16:21	98-82-8	
p-Isopropyltoluene	ND	ug/kg	5.0	1		07/02/14 16:21	99-87-6	
Methylene Chloride	ND	ug/kg	19.9	1		07/02/14 16:21	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	24.9	1		07/02/14 16:21	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	5.0	1		07/02/14 16:21	1634-04-4	
Naphthalene	ND	ug/kg	5.0	1		07/02/14 16:21	91-20-3	
n-Propylbenzene	ND	ug/kg	5.0	1		07/02/14 16:21	103-65-1	
Styrene	ND	ug/kg	5.0	1		07/02/14 16:21	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	5.0	1		07/02/14 16:21	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	5.0	1		07/02/14 16:21	79-34-5	
Tetrachloroethene	ND	ug/kg	5.0	1		07/02/14 16:21	127-18-4	
Toluene	ND	ug/kg	5.0	1		07/02/14 16:21	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	5.0	1		07/02/14 16:21	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	5.0	1		07/02/14 16:21	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	5.0	1		07/02/14 16:21	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	5.0	1		07/02/14 16:21	79-00-5	
Trichloroethene	ND	ug/kg	5.0	1		07/02/14 16:21	79-01-6	
Trichlorofluoromethane	ND	ug/kg	5.0	1		07/02/14 16:21	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	5.0	1		07/02/14 16:21	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	5.0	1		07/02/14 16:21	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	5.0	1		07/02/14 16:21	108-67-8	
Vinyl acetate	ND	ug/kg	99.6	1		07/02/14 16:21	108-05-4	
Vinyl chloride	ND	ug/kg	5.0	1		07/02/14 16:21	75-01-4	
Xylene (Total)	ND	ug/kg	10	1		07/02/14 16:21	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	95 %		85-118	1		07/02/14 16:21	1868-53-7	
Toluene-d8 (S)	100 %		71-128	1		07/02/14 16:21	2037-26-5	
4-Bromofluorobenzene (S)	94 %		56-144	1		07/02/14 16:21	460-00-4	
Percent Moisture		Analytical Method: ASTM D2974-87						
Percent Moisture	14.3 %		0.10	1		06/26/14 09:27		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Sibley - Accucast

Pace Project No.: 5099627

Sample: TMW-9 (16-18) **Lab ID: 5099627007** Collected: 06/19/14 14:27 Received: 06/20/14 10:42 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	116	1	06/24/14 11:04	06/27/14 02:10	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/kg	116	1	06/24/14 11:04	06/27/14 02:10	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/kg	116	1	06/24/14 11:04	06/27/14 02:10	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/kg	116	1	06/24/14 11:04	06/27/14 02:10	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/kg	116	1	06/24/14 11:04	06/27/14 02:10	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/kg	116	1	06/24/14 11:04	06/27/14 02:10	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	ug/kg	116	1	06/24/14 11:04	06/27/14 02:10	11096-82-5	
Surrogates								
Tetrachloro-m-xylene (S)	88 %.		30-106	1	06/24/14 11:04	06/27/14 02:10	877-09-8	
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3050						
Antimony	ND	mg/kg	1.0	1	06/21/14 10:44	06/24/14 09:58	7440-36-0	
Arsenic	1.5	mg/kg	1.0	1	06/21/14 10:44	06/24/14 09:58	7440-38-2	
Chromium	3.0	mg/kg	1.0	1	06/21/14 10:44	06/24/14 09:58	7440-47-3	
Cobalt	1.3	mg/kg	1.0	1	06/21/14 10:44	06/24/14 09:58	7440-48-4	
Iron	3000	mg/kg	51.0	1	06/21/14 10:44	06/24/14 09:58	7439-89-6	
Lead	1.7	mg/kg	1.0	1	06/21/14 10:44	06/24/14 09:58	7439-92-1	
Selenium	ND	mg/kg	1.0	1	06/21/14 10:44	06/24/14 09:58	7782-49-2	
Thallium	1.5	mg/kg	1.0	1	06/21/14 10:44	06/24/14 09:58	7440-28-0	
8270 MSSV SHORT LIST MICROWAVE		Analytical Method: EPA 8270 Preparation Method: EPA 3546						
Acenaphthene	ND	ug/kg	384	1	06/23/14 12:26	06/24/14 00:50	83-32-9	
Acenaphthylene	ND	ug/kg	384	1	06/23/14 12:26	06/24/14 00:50	208-96-8	
Anthracene	ND	ug/kg	384	1	06/23/14 12:26	06/24/14 00:50	120-12-7	
Benzo(a)anthracene	ND	ug/kg	384	1	06/23/14 12:26	06/24/14 00:50	56-55-3	
Benzo(a)pyrene	ND	ug/kg	198	1	06/23/14 12:26	06/24/14 00:50	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	384	1	06/23/14 12:26	06/24/14 00:50	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	384	1	06/23/14 12:26	06/24/14 00:50	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	384	1	06/23/14 12:26	06/24/14 00:50	207-08-9	
Benzyl alcohol	ND	ug/kg	768	1	06/23/14 12:26	06/24/14 00:50	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	384	1	06/23/14 12:26	06/24/14 00:50	101-55-3	
Butylbenzylphthalate	ND	ug/kg	384	1	06/23/14 12:26	06/24/14 00:50	85-68-7	
4-Chloro-3-methylphenol	ND	ug/kg	768	1	06/23/14 12:26	06/24/14 00:50	59-50-7	
4-Chloroaniline	ND	ug/kg	768	1	06/23/14 12:26	06/24/14 00:50	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	384	1	06/23/14 12:26	06/24/14 00:50	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	384	1	06/23/14 12:26	06/24/14 00:50	111-44-4	
bis(2chloro1methylethyl) ether	ND	ug/kg	384	1	06/23/14 12:26	06/24/14 00:50	108-60-1	
2-Chloronaphthalene	ND	ug/kg	384	1	06/23/14 12:26	06/24/14 00:50	91-58-7	
2-Chlorophenol	ND	ug/kg	384	1	06/23/14 12:26	06/24/14 00:50	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	384	1	06/23/14 12:26	06/24/14 00:50	7005-72-3	
Chrysene	ND	ug/kg	384	1	06/23/14 12:26	06/24/14 00:50	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	198	1	06/23/14 12:26	06/24/14 00:50	53-70-3	
Dibenzofuran	ND	ug/kg	384	1	06/23/14 12:26	06/24/14 00:50	132-64-9	
3,3'-Dichlorobenzidine	ND	ug/kg	768	1	06/23/14 12:26	06/24/14 00:50	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	384	1	06/23/14 12:26	06/24/14 00:50	120-83-2	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Sibley - Accucast

Pace Project No.: 5099627

Sample: TMW-9 (16-18) **Lab ID: 5099627007** Collected: 06/19/14 14:27 Received: 06/20/14 10:42 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	384	1	06/23/14 12:26	06/24/14 00:50	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	384	1	06/23/14 12:26	06/24/14 00:50	105-67-9	
Dimethylphthalate	ND	ug/kg	384	1	06/23/14 12:26	06/24/14 00:50	131-11-3	
Di-n-butylphthalate	ND	ug/kg	384	1	06/23/14 12:26	06/24/14 00:50	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	1860	1	06/23/14 12:26	06/24/14 00:50	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	1860	1	06/23/14 12:26	06/24/14 00:50	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	384	1	06/23/14 12:26	06/24/14 00:50	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	384	1	06/23/14 12:26	06/24/14 00:50	606-20-2	
Di-n-octylphthalate	ND	ug/kg	384	1	06/23/14 12:26	06/24/14 00:50	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	384	1	06/23/14 12:26	06/24/14 00:50	117-81-7	
Fluoranthene	ND	ug/kg	384	1	06/23/14 12:26	06/24/14 00:50	206-44-0	
Fluorene	ND	ug/kg	384	1	06/23/14 12:26	06/24/14 00:50	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/kg	384	1	06/23/14 12:26	06/24/14 00:50	87-68-3	
Hexachlorobenzene	ND	ug/kg	384	1	06/23/14 12:26	06/24/14 00:50	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	384	1	06/23/14 12:26	06/24/14 00:50	77-47-4	
Hexachloroethane	ND	ug/kg	384	1	06/23/14 12:26	06/24/14 00:50	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	384	1	06/23/14 12:26	06/24/14 00:50	193-39-5	
Isophorone	ND	ug/kg	384	1	06/23/14 12:26	06/24/14 00:50	78-59-1	
2-Methylnaphthalene	ND	ug/kg	384	1	06/23/14 12:26	06/24/14 00:50	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	384	1	06/23/14 12:26	06/24/14 00:50	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	768	1	06/23/14 12:26	06/24/14 00:50		
Naphthalene	ND	ug/kg	384	1	06/23/14 12:26	06/24/14 00:50	91-20-3	
2-Nitroaniline	ND	ug/kg	1860	1	06/23/14 12:26	06/24/14 00:50	88-74-4	
3-Nitroaniline	ND	ug/kg	1860	1	06/23/14 12:26	06/24/14 00:50	99-09-2	
4-Nitroaniline	ND	ug/kg	1860	1	06/23/14 12:26	06/24/14 00:50	100-01-6	
Nitrobenzene	ND	ug/kg	384	1	06/23/14 12:26	06/24/14 00:50	98-95-3	
2-Nitrophenol	ND	ug/kg	384	1	06/23/14 12:26	06/24/14 00:50	88-75-5	
4-Nitrophenol	ND	ug/kg	1860	1	06/23/14 12:26	06/24/14 00:50	100-02-7	
N-Nitroso-di-n-propylamine	ND	ug/kg	384	1	06/23/14 12:26	06/24/14 00:50	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	384	1	06/23/14 12:26	06/24/14 00:50	86-30-6	
Pentachlorophenol	ND	ug/kg	1860	1	06/23/14 12:26	06/24/14 00:50	87-86-5	
Phenanthrene	ND	ug/kg	384	1	06/23/14 12:26	06/24/14 00:50	85-01-8	
Phenol	ND	ug/kg	384	1	06/23/14 12:26	06/24/14 00:50	108-95-2	
Pyrene	ND	ug/kg	384	1	06/23/14 12:26	06/24/14 00:50	129-00-0	
2,4,5-Trichlorophenol	ND	ug/kg	384	1	06/23/14 12:26	06/24/14 00:50	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	384	1	06/23/14 12:26	06/24/14 00:50	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	71 %.		28-101	1	06/23/14 12:26	06/24/14 00:50	4165-60-0	
2-Fluorobiphenyl (S)	74 %.		31-94	1	06/23/14 12:26	06/24/14 00:50	321-60-8	
p-Terphenyl-d14 (S)	95 %.		26-110	1	06/23/14 12:26	06/24/14 00:50	1718-51-0	
Phenol-d5 (S)	77 %.		28-101	1	06/23/14 12:26	06/24/14 00:50	4165-62-2	
2-Fluorophenol (S)	74 %.		24-104	1	06/23/14 12:26	06/24/14 00:50	367-12-4	
2,4,6-Tribromophenol (S)	82 %.		16-122	1	06/23/14 12:26	06/24/14 00:50	118-79-6	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Sibley - Accucast

Pace Project No.: 5099627

Sample: TMW-9 (16-18) **Lab ID: 5099627007** Collected: 06/19/14 14:27 Received: 06/20/14 10:42 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	95.3	1		07/02/14 16:55	67-64-1	
Acrolein	ND	ug/kg	95.3	1		07/02/14 16:55	107-02-8	
Acrylonitrile	ND	ug/kg	95.3	1		07/02/14 16:55	107-13-1	
Benzene	ND	ug/kg	4.8	1		07/02/14 16:55	71-43-2	
Bromobenzene	ND	ug/kg	4.8	1		07/02/14 16:55	108-86-1	
Bromochloromethane	ND	ug/kg	4.8	1		07/02/14 16:55	74-97-5	
Bromodichloromethane	ND	ug/kg	4.8	1		07/02/14 16:55	75-27-4	
Bromoform	ND	ug/kg	4.8	1		07/02/14 16:55	75-25-2	
Bromomethane	ND	ug/kg	4.8	1		07/02/14 16:55	74-83-9	
2-Butanone (MEK)	ND	ug/kg	23.8	1		07/02/14 16:55	78-93-3	
n-Butylbenzene	ND	ug/kg	4.8	1		07/02/14 16:55	104-51-8	
sec-Butylbenzene	ND	ug/kg	4.8	1		07/02/14 16:55	135-98-8	
tert-Butylbenzene	ND	ug/kg	4.8	1		07/02/14 16:55	98-06-6	
Carbon disulfide	ND	ug/kg	9.5	1		07/02/14 16:55	75-15-0	
Carbon tetrachloride	ND	ug/kg	4.8	1		07/02/14 16:55	56-23-5	
Chlorobenzene	ND	ug/kg	4.8	1		07/02/14 16:55	108-90-7	
Chloroethane	ND	ug/kg	4.8	1		07/02/14 16:55	75-00-3	
Chloroform	ND	ug/kg	4.8	1		07/02/14 16:55	67-66-3	
Chloromethane	ND	ug/kg	4.8	1		07/02/14 16:55	74-87-3	
2-Chlorotoluene	ND	ug/kg	4.8	1		07/02/14 16:55	95-49-8	
4-Chlorotoluene	ND	ug/kg	4.8	1		07/02/14 16:55	106-43-4	
Dibromochloromethane	ND	ug/kg	4.8	1		07/02/14 16:55	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	4.8	1		07/02/14 16:55	106-93-4	
Dibromomethane	ND	ug/kg	4.8	1		07/02/14 16:55	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	4.8	1		07/02/14 16:55	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	4.8	1		07/02/14 16:55	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	4.8	1		07/02/14 16:55	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/kg	95.3	1		07/02/14 16:55	110-57-6	
Dichlorodifluoromethane	ND	ug/kg	4.8	1		07/02/14 16:55	75-71-8	
1,1-Dichloroethane	ND	ug/kg	4.8	1		07/02/14 16:55	75-34-3	
1,2-Dichloroethane	ND	ug/kg	4.8	1		07/02/14 16:55	107-06-2	
1,1-Dichloroethene	ND	ug/kg	4.8	1		07/02/14 16:55	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	4.8	1		07/02/14 16:55	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	4.8	1		07/02/14 16:55	156-60-5	
1,2-Dichloropropane	ND	ug/kg	4.8	1		07/02/14 16:55	78-87-5	
1,3-Dichloropropane	ND	ug/kg	4.8	1		07/02/14 16:55	142-28-9	
2,2-Dichloropropane	ND	ug/kg	4.8	1		07/02/14 16:55	594-20-7	
1,1-Dichloropropene	ND	ug/kg	4.8	1		07/02/14 16:55	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	4.8	1		07/02/14 16:55	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	4.8	1		07/02/14 16:55	10061-02-6	
Ethylbenzene	ND	ug/kg	4.8	1		07/02/14 16:55	100-41-4	
Ethyl methacrylate	ND	ug/kg	95.3	1		07/02/14 16:55	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/kg	4.8	1		07/02/14 16:55	87-68-3	
n-Hexane	ND	ug/kg	4.8	1		07/02/14 16:55	110-54-3	N2
2-Hexanone	ND	ug/kg	95.3	1		07/02/14 16:55	591-78-6	
Iodomethane	ND	ug/kg	95.3	1		07/02/14 16:55	74-88-4	

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ANALYTICAL RESULTS

Project: Sibley - Accucast

Pace Project No.: 5099627

Sample: TMW-9 (16-18) **Lab ID: 5099627007** Collected: 06/19/14 14:27 Received: 06/20/14 10:42 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	4.8	1		07/02/14 16:55	98-82-8	
p-Isopropyltoluene	ND	ug/kg	4.8	1		07/02/14 16:55	99-87-6	
Methylene Chloride	ND	ug/kg	19.1	1		07/02/14 16:55	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	23.8	1		07/02/14 16:55	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	4.8	1		07/02/14 16:55	1634-04-4	
Naphthalene	ND	ug/kg	4.8	1		07/02/14 16:55	91-20-3	
n-Propylbenzene	ND	ug/kg	4.8	1		07/02/14 16:55	103-65-1	
Styrene	ND	ug/kg	4.8	1		07/02/14 16:55	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	4.8	1		07/02/14 16:55	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	4.8	1		07/02/14 16:55	79-34-5	
Tetrachloroethene	ND	ug/kg	4.8	1		07/02/14 16:55	127-18-4	
Toluene	ND	ug/kg	4.8	1		07/02/14 16:55	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	4.8	1		07/02/14 16:55	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	4.8	1		07/02/14 16:55	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	4.8	1		07/02/14 16:55	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	4.8	1		07/02/14 16:55	79-00-5	
Trichloroethene	ND	ug/kg	4.8	1		07/02/14 16:55	79-01-6	
Trichlorofluoromethane	ND	ug/kg	4.8	1		07/02/14 16:55	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	4.8	1		07/02/14 16:55	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	4.8	1		07/02/14 16:55	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	4.8	1		07/02/14 16:55	108-67-8	
Vinyl acetate	ND	ug/kg	95.3	1		07/02/14 16:55	108-05-4	
Vinyl chloride	ND	ug/kg	4.8	1		07/02/14 16:55	75-01-4	
Xylene (Total)	ND	ug/kg	9.5	1		07/02/14 16:55	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	91 %		85-118	1		07/02/14 16:55	1868-53-7	
Toluene-d8 (S)	99 %		71-128	1		07/02/14 16:55	2037-26-5	
4-Bromofluorobenzene (S)	91 %		56-144	1		07/02/14 16:55	460-00-4	
Percent Moisture		Analytical Method: ASTM D2974-87						
Percent Moisture	14.6 %		0.10	1		06/26/14 09:43		

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ANALYTICAL RESULTS

Project: Sibley - Accucast

Pace Project No.: 5099627

Sample: P-7 (13-15) **Lab ID: 5099627008** Collected: 06/19/14 12:01 Received: 06/20/14 10:42 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	118	1	06/24/14 11:04	06/27/14 02:16	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/kg	118	1	06/24/14 11:04	06/27/14 02:16	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/kg	118	1	06/24/14 11:04	06/27/14 02:16	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/kg	118	1	06/24/14 11:04	06/27/14 02:16	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/kg	118	1	06/24/14 11:04	06/27/14 02:16	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/kg	118	1	06/24/14 11:04	06/27/14 02:16	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	ug/kg	118	1	06/24/14 11:04	06/27/14 02:16	11096-82-5	
Surrogates								
Tetrachloro-m-xylene (S)	91 %.		30-106	1	06/24/14 11:04	06/27/14 02:16	877-09-8	
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3050						
Antimony	ND	mg/kg	1.0	1	06/21/14 10:44	06/24/14 10:00	7440-36-0	
Arsenic	3.0	mg/kg	1.0	1	06/21/14 10:44	06/24/14 10:00	7440-38-2	
Chromium	3.1	mg/kg	1.0	1	06/21/14 10:44	06/24/14 10:00	7440-47-3	
Cobalt	1.7	mg/kg	1.0	1	06/21/14 10:44	06/24/14 10:00	7440-48-4	
Iron	4750	mg/kg	52.1	1	06/21/14 10:44	06/24/14 10:00	7439-89-6	
Lead	10.4	mg/kg	1.0	1	06/21/14 10:44	06/24/14 10:00	7439-92-1	
Selenium	ND	mg/kg	1.0	1	06/21/14 10:44	06/24/14 10:00	7782-49-2	
Thallium	2.2	mg/kg	1.0	1	06/21/14 10:44	06/24/14 10:00	7440-28-0	
8270 MSSV SHORT LIST MICROWAVE		Analytical Method: EPA 8270 Preparation Method: EPA 3546						
Acenaphthene	ND	ug/kg	389	1	06/23/14 12:26	06/24/14 01:13	83-32-9	
Acenaphthylene	ND	ug/kg	389	1	06/23/14 12:26	06/24/14 01:13	208-96-8	
Anthracene	ND	ug/kg	389	1	06/23/14 12:26	06/24/14 01:13	120-12-7	
Benzo(a)anthracene	ND	ug/kg	389	1	06/23/14 12:26	06/24/14 01:13	56-55-3	
Benzo(a)pyrene	ND	ug/kg	200	1	06/23/14 12:26	06/24/14 01:13	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	389	1	06/23/14 12:26	06/24/14 01:13	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	389	1	06/23/14 12:26	06/24/14 01:13	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	389	1	06/23/14 12:26	06/24/14 01:13	207-08-9	
Benzyl alcohol	ND	ug/kg	778	1	06/23/14 12:26	06/24/14 01:13	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	389	1	06/23/14 12:26	06/24/14 01:13	101-55-3	
Butylbenzylphthalate	ND	ug/kg	389	1	06/23/14 12:26	06/24/14 01:13	85-68-7	
4-Chloro-3-methylphenol	ND	ug/kg	778	1	06/23/14 12:26	06/24/14 01:13	59-50-7	
4-Chloroaniline	ND	ug/kg	778	1	06/23/14 12:26	06/24/14 01:13	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	389	1	06/23/14 12:26	06/24/14 01:13	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	389	1	06/23/14 12:26	06/24/14 01:13	111-44-4	
bis(2chloro1methylethyl) ether	ND	ug/kg	389	1	06/23/14 12:26	06/24/14 01:13	108-60-1	
2-Chloronaphthalene	ND	ug/kg	389	1	06/23/14 12:26	06/24/14 01:13	91-58-7	
2-Chlorophenol	ND	ug/kg	389	1	06/23/14 12:26	06/24/14 01:13	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	389	1	06/23/14 12:26	06/24/14 01:13	7005-72-3	
Chrysene	ND	ug/kg	389	1	06/23/14 12:26	06/24/14 01:13	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	200	1	06/23/14 12:26	06/24/14 01:13	53-70-3	
Dibenzofuran	ND	ug/kg	389	1	06/23/14 12:26	06/24/14 01:13	132-64-9	
3,3'-Dichlorobenzidine	ND	ug/kg	778	1	06/23/14 12:26	06/24/14 01:13	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	389	1	06/23/14 12:26	06/24/14 01:13	120-83-2	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Sibley - Accucast

Pace Project No.: 5099627

Sample: P-7 (13-15) **Lab ID: 5099627008** Collected: 06/19/14 12:01 Received: 06/20/14 10:42 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	389	1	06/23/14 12:26	06/24/14 01:13	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	389	1	06/23/14 12:26	06/24/14 01:13	105-67-9	
Dimethylphthalate	ND	ug/kg	389	1	06/23/14 12:26	06/24/14 01:13	131-11-3	
Di-n-butylphthalate	ND	ug/kg	389	1	06/23/14 12:26	06/24/14 01:13	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	1890	1	06/23/14 12:26	06/24/14 01:13	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	1890	1	06/23/14 12:26	06/24/14 01:13	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	389	1	06/23/14 12:26	06/24/14 01:13	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	389	1	06/23/14 12:26	06/24/14 01:13	606-20-2	
Di-n-octylphthalate	ND	ug/kg	389	1	06/23/14 12:26	06/24/14 01:13	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	389	1	06/23/14 12:26	06/24/14 01:13	117-81-7	
Fluoranthene	ND	ug/kg	389	1	06/23/14 12:26	06/24/14 01:13	206-44-0	
Fluorene	ND	ug/kg	389	1	06/23/14 12:26	06/24/14 01:13	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/kg	389	1	06/23/14 12:26	06/24/14 01:13	87-68-3	
Hexachlorobenzene	ND	ug/kg	389	1	06/23/14 12:26	06/24/14 01:13	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	389	1	06/23/14 12:26	06/24/14 01:13	77-47-4	
Hexachloroethane	ND	ug/kg	389	1	06/23/14 12:26	06/24/14 01:13	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	389	1	06/23/14 12:26	06/24/14 01:13	193-39-5	
Isophorone	ND	ug/kg	389	1	06/23/14 12:26	06/24/14 01:13	78-59-1	
2-Methylnaphthalene	ND	ug/kg	389	1	06/23/14 12:26	06/24/14 01:13	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	389	1	06/23/14 12:26	06/24/14 01:13	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	778	1	06/23/14 12:26	06/24/14 01:13		
Naphthalene	ND	ug/kg	389	1	06/23/14 12:26	06/24/14 01:13	91-20-3	
2-Nitroaniline	ND	ug/kg	1890	1	06/23/14 12:26	06/24/14 01:13	88-74-4	
3-Nitroaniline	ND	ug/kg	1890	1	06/23/14 12:26	06/24/14 01:13	99-09-2	
4-Nitroaniline	ND	ug/kg	1890	1	06/23/14 12:26	06/24/14 01:13	100-01-6	
Nitrobenzene	ND	ug/kg	389	1	06/23/14 12:26	06/24/14 01:13	98-95-3	
2-Nitrophenol	ND	ug/kg	389	1	06/23/14 12:26	06/24/14 01:13	88-75-5	
4-Nitrophenol	ND	ug/kg	1890	1	06/23/14 12:26	06/24/14 01:13	100-02-7	
N-Nitroso-di-n-propylamine	ND	ug/kg	389	1	06/23/14 12:26	06/24/14 01:13	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	389	1	06/23/14 12:26	06/24/14 01:13	86-30-6	
Pentachlorophenol	ND	ug/kg	1890	1	06/23/14 12:26	06/24/14 01:13	87-86-5	
Phenanthrene	ND	ug/kg	389	1	06/23/14 12:26	06/24/14 01:13	85-01-8	
Phenol	ND	ug/kg	389	1	06/23/14 12:26	06/24/14 01:13	108-95-2	
Pyrene	ND	ug/kg	389	1	06/23/14 12:26	06/24/14 01:13	129-00-0	
2,4,5-Trichlorophenol	ND	ug/kg	389	1	06/23/14 12:26	06/24/14 01:13	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	389	1	06/23/14 12:26	06/24/14 01:13	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	74 %.		28-101	1	06/23/14 12:26	06/24/14 01:13	4165-60-0	
2-Fluorobiphenyl (S)	76 %.		31-94	1	06/23/14 12:26	06/24/14 01:13	321-60-8	
p-Terphenyl-d14 (S)	98 %.		26-110	1	06/23/14 12:26	06/24/14 01:13	1718-51-0	
Phenol-d5 (S)	77 %.		28-101	1	06/23/14 12:26	06/24/14 01:13	4165-62-2	
2-Fluorophenol (S)	75 %.		24-104	1	06/23/14 12:26	06/24/14 01:13	367-12-4	
2,4,6-Tribromophenol (S)	82 %.		16-122	1	06/23/14 12:26	06/24/14 01:13	118-79-6	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Sibley - Accucast

Pace Project No.: 5099627

Sample: P-7 (13-15) **Lab ID: 5099627008** Collected: 06/19/14 12:01 Received: 06/20/14 10:42 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	109	1		07/02/14 17:29	67-64-1	
Acrolein	ND	ug/kg	109	1		07/02/14 17:29	107-02-8	
Acrylonitrile	ND	ug/kg	109	1		07/02/14 17:29	107-13-1	
Benzene	ND	ug/kg	5.5	1		07/02/14 17:29	71-43-2	
Bromobenzene	ND	ug/kg	5.5	1		07/02/14 17:29	108-86-1	
Bromochloromethane	ND	ug/kg	5.5	1		07/02/14 17:29	74-97-5	
Bromodichloromethane	ND	ug/kg	5.5	1		07/02/14 17:29	75-27-4	
Bromoform	ND	ug/kg	5.5	1		07/02/14 17:29	75-25-2	
Bromomethane	ND	ug/kg	5.5	1		07/02/14 17:29	74-83-9	
2-Butanone (MEK)	ND	ug/kg	27.3	1		07/02/14 17:29	78-93-3	
n-Butylbenzene	ND	ug/kg	5.5	1		07/02/14 17:29	104-51-8	
sec-Butylbenzene	ND	ug/kg	5.5	1		07/02/14 17:29	135-98-8	
tert-Butylbenzene	ND	ug/kg	5.5	1		07/02/14 17:29	98-06-6	
Carbon disulfide	ND	ug/kg	10.9	1		07/02/14 17:29	75-15-0	
Carbon tetrachloride	ND	ug/kg	5.5	1		07/02/14 17:29	56-23-5	
Chlorobenzene	ND	ug/kg	5.5	1		07/02/14 17:29	108-90-7	
Chloroethane	ND	ug/kg	5.5	1		07/02/14 17:29	75-00-3	
Chloroform	ND	ug/kg	5.5	1		07/02/14 17:29	67-66-3	
Chloromethane	ND	ug/kg	5.5	1		07/02/14 17:29	74-87-3	
2-Chlorotoluene	ND	ug/kg	5.5	1		07/02/14 17:29	95-49-8	
4-Chlorotoluene	ND	ug/kg	5.5	1		07/02/14 17:29	106-43-4	
Dibromochloromethane	ND	ug/kg	5.5	1		07/02/14 17:29	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	5.5	1		07/02/14 17:29	106-93-4	
Dibromomethane	ND	ug/kg	5.5	1		07/02/14 17:29	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	5.5	1		07/02/14 17:29	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	5.5	1		07/02/14 17:29	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	5.5	1		07/02/14 17:29	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/kg	109	1		07/02/14 17:29	110-57-6	
Dichlorodifluoromethane	ND	ug/kg	5.5	1		07/02/14 17:29	75-71-8	
1,1-Dichloroethane	ND	ug/kg	5.5	1		07/02/14 17:29	75-34-3	
1,2-Dichloroethane	ND	ug/kg	5.5	1		07/02/14 17:29	107-06-2	
1,1-Dichloroethene	ND	ug/kg	5.5	1		07/02/14 17:29	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	5.5	1		07/02/14 17:29	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	5.5	1		07/02/14 17:29	156-60-5	
1,2-Dichloropropane	ND	ug/kg	5.5	1		07/02/14 17:29	78-87-5	
1,3-Dichloropropane	ND	ug/kg	5.5	1		07/02/14 17:29	142-28-9	
2,2-Dichloropropane	ND	ug/kg	5.5	1		07/02/14 17:29	594-20-7	
1,1-Dichloropropene	ND	ug/kg	5.5	1		07/02/14 17:29	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	5.5	1		07/02/14 17:29	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	5.5	1		07/02/14 17:29	10061-02-6	
Ethylbenzene	ND	ug/kg	5.5	1		07/02/14 17:29	100-41-4	
Ethyl methacrylate	ND	ug/kg	109	1		07/02/14 17:29	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/kg	5.5	1		07/02/14 17:29	87-68-3	
n-Hexane	ND	ug/kg	5.5	1		07/02/14 17:29	110-54-3	N2
2-Hexanone	ND	ug/kg	109	1		07/02/14 17:29	591-78-6	
Iodomethane	ND	ug/kg	109	1		07/02/14 17:29	74-88-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Sibley - Accucast
Pace Project No.: 5099627

Sample: P-7 (13-15) **Lab ID: 5099627008** Collected: 06/19/14 12:01 Received: 06/20/14 10:42 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	5.5	1		07/02/14 17:29	98-82-8	
p-Isopropyltoluene	ND	ug/kg	5.5	1		07/02/14 17:29	99-87-6	
Methylene Chloride	ND	ug/kg	21.8	1		07/02/14 17:29	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	27.3	1		07/02/14 17:29	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	5.5	1		07/02/14 17:29	1634-04-4	
Naphthalene	ND	ug/kg	5.5	1		07/02/14 17:29	91-20-3	
n-Propylbenzene	ND	ug/kg	5.5	1		07/02/14 17:29	103-65-1	
Styrene	ND	ug/kg	5.5	1		07/02/14 17:29	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	5.5	1		07/02/14 17:29	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	5.5	1		07/02/14 17:29	79-34-5	
Tetrachloroethene	ND	ug/kg	5.5	1		07/02/14 17:29	127-18-4	
Toluene	ND	ug/kg	5.5	1		07/02/14 17:29	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	5.5	1		07/02/14 17:29	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	5.5	1		07/02/14 17:29	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	5.5	1		07/02/14 17:29	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	5.5	1		07/02/14 17:29	79-00-5	
Trichloroethene	ND	ug/kg	5.5	1		07/02/14 17:29	79-01-6	
Trichlorofluoromethane	ND	ug/kg	5.5	1		07/02/14 17:29	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	5.5	1		07/02/14 17:29	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	5.5	1		07/02/14 17:29	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	5.5	1		07/02/14 17:29	108-67-8	
Vinyl acetate	ND	ug/kg	109	1		07/02/14 17:29	108-05-4	
Vinyl chloride	ND	ug/kg	5.5	1		07/02/14 17:29	75-01-4	
Xylene (Total)	ND	ug/kg	10.9	1		07/02/14 17:29	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	94 %		85-118	1		07/02/14 17:29	1868-53-7	
Toluene-d8 (S)	100 %		71-128	1		07/02/14 17:29	2037-26-5	
4-Bromofluorobenzene (S)	94 %		56-144	1		07/02/14 17:29	460-00-4	
Percent Moisture		Analytical Method: ASTM D2974-87						
Percent Moisture	15.7 %		0.10	1		06/26/14 09:43		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Sibley - Accucast

Pace Project No.: 5099627

Sample: P-3 (16-18) **Lab ID: 5099627009** Collected: 06/19/14 10:20 Received: 06/20/14 10:42 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	119	1	06/24/14 11:04	06/27/14 02:22	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/kg	119	1	06/24/14 11:04	06/27/14 02:22	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/kg	119	1	06/24/14 11:04	06/27/14 02:22	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/kg	119	1	06/24/14 11:04	06/27/14 02:22	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/kg	119	1	06/24/14 11:04	06/27/14 02:22	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/kg	119	1	06/24/14 11:04	06/27/14 02:22	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	ug/kg	119	1	06/24/14 11:04	06/27/14 02:22	11096-82-5	
Surrogates								
Tetrachloro-m-xylene (S)	89 %.		30-106	1	06/24/14 11:04	06/27/14 02:22	877-09-8	
6010 MET ICP								
Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Antimony	ND	mg/kg	1.0	1	06/21/14 10:44	06/24/14 10:02	7440-36-0	
Arsenic	1.4	mg/kg	1.0	1	06/21/14 10:44	06/24/14 10:02	7440-38-2	
Chromium	2.1	mg/kg	1.0	1	06/21/14 10:44	06/24/14 10:02	7440-47-3	
Cobalt	1.2	mg/kg	1.0	1	06/21/14 10:44	06/24/14 10:02	7440-48-4	
Iron	2770	mg/kg	50.8	1	06/21/14 10:44	06/24/14 10:02	7439-89-6	
Lead	1.2	mg/kg	1.0	1	06/21/14 10:44	06/24/14 10:02	7439-92-1	
Selenium	ND	mg/kg	1.0	1	06/21/14 10:44	06/24/14 10:02	7782-49-2	
Thallium	1.6	mg/kg	1.0	1	06/21/14 10:44	06/24/14 10:02	7440-28-0	
8270 MSSV SHORT LIST MICROWAVE								
Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Acenaphthene	ND	ug/kg	393	1	06/23/14 12:26	06/24/14 01:36	83-32-9	
Acenaphthylene	ND	ug/kg	393	1	06/23/14 12:26	06/24/14 01:36	208-96-8	
Anthracene	ND	ug/kg	393	1	06/23/14 12:26	06/24/14 01:36	120-12-7	
Benzo(a)anthracene	ND	ug/kg	393	1	06/23/14 12:26	06/24/14 01:36	56-55-3	
Benzo(a)pyrene	ND	ug/kg	202	1	06/23/14 12:26	06/24/14 01:36	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	393	1	06/23/14 12:26	06/24/14 01:36	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	393	1	06/23/14 12:26	06/24/14 01:36	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	393	1	06/23/14 12:26	06/24/14 01:36	207-08-9	
Benzyl alcohol	ND	ug/kg	786	1	06/23/14 12:26	06/24/14 01:36	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	393	1	06/23/14 12:26	06/24/14 01:36	101-55-3	
Butylbenzylphthalate	ND	ug/kg	393	1	06/23/14 12:26	06/24/14 01:36	85-68-7	
4-Chloro-3-methylphenol	ND	ug/kg	786	1	06/23/14 12:26	06/24/14 01:36	59-50-7	
4-Chloroaniline	ND	ug/kg	786	1	06/23/14 12:26	06/24/14 01:36	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	393	1	06/23/14 12:26	06/24/14 01:36	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	393	1	06/23/14 12:26	06/24/14 01:36	111-44-4	
bis(2chloro1methylethyl) ether	ND	ug/kg	393	1	06/23/14 12:26	06/24/14 01:36	108-60-1	
2-Chloronaphthalene	ND	ug/kg	393	1	06/23/14 12:26	06/24/14 01:36	91-58-7	
2-Chlorophenol	ND	ug/kg	393	1	06/23/14 12:26	06/24/14 01:36	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	393	1	06/23/14 12:26	06/24/14 01:36	7005-72-3	
Chrysene	ND	ug/kg	393	1	06/23/14 12:26	06/24/14 01:36	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	202	1	06/23/14 12:26	06/24/14 01:36	53-70-3	
Dibenzofuran	ND	ug/kg	393	1	06/23/14 12:26	06/24/14 01:36	132-64-9	
3,3'-Dichlorobenzidine	ND	ug/kg	786	1	06/23/14 12:26	06/24/14 01:36	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	393	1	06/23/14 12:26	06/24/14 01:36	120-83-2	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Sibley - Accucast

Pace Project No.: 5099627

Sample: P-3 (16-18) **Lab ID: 5099627009** Collected: 06/19/14 10:20 Received: 06/20/14 10:42 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		393	1	06/23/14 12:26	06/24/14 01:36	84-66-2	
2,4-Dimethylphenol	ND ug/kg		393	1	06/23/14 12:26	06/24/14 01:36	105-67-9	
Dimethylphthalate	ND ug/kg		393	1	06/23/14 12:26	06/24/14 01:36	131-11-3	
Di-n-butylphthalate	ND ug/kg		393	1	06/23/14 12:26	06/24/14 01:36	84-74-2	
4,6-Dinitro-2-methylphenol	ND ug/kg		1900	1	06/23/14 12:26	06/24/14 01:36	534-52-1	
2,4-Dinitrophenol	ND ug/kg		1900	1	06/23/14 12:26	06/24/14 01:36	51-28-5	
2,4-Dinitrotoluene	ND ug/kg		393	1	06/23/14 12:26	06/24/14 01:36	121-14-2	
2,6-Dinitrotoluene	ND ug/kg		393	1	06/23/14 12:26	06/24/14 01:36	606-20-2	
Di-n-octylphthalate	ND ug/kg		393	1	06/23/14 12:26	06/24/14 01:36	117-84-0	
bis(2-Ethylhexyl)phthalate	ND ug/kg		393	1	06/23/14 12:26	06/24/14 01:36	117-81-7	
Fluoranthene	ND ug/kg		393	1	06/23/14 12:26	06/24/14 01:36	206-44-0	
Fluorene	ND ug/kg		393	1	06/23/14 12:26	06/24/14 01:36	86-73-7	
Hexachloro-1,3-butadiene	ND ug/kg		393	1	06/23/14 12:26	06/24/14 01:36	87-68-3	
Hexachlorobenzene	ND ug/kg		393	1	06/23/14 12:26	06/24/14 01:36	118-74-1	
Hexachlorocyclopentadiene	ND ug/kg		393	1	06/23/14 12:26	06/24/14 01:36	77-47-4	
Hexachloroethane	ND ug/kg		393	1	06/23/14 12:26	06/24/14 01:36	67-72-1	
Indeno(1,2,3-cd)pyrene	ND ug/kg		393	1	06/23/14 12:26	06/24/14 01:36	193-39-5	
Isophorone	ND ug/kg		393	1	06/23/14 12:26	06/24/14 01:36	78-59-1	
2-Methylnaphthalene	ND ug/kg		393	1	06/23/14 12:26	06/24/14 01:36	91-57-6	
2-Methylphenol(o-Cresol)	ND ug/kg		393	1	06/23/14 12:26	06/24/14 01:36	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND ug/kg		786	1	06/23/14 12:26	06/24/14 01:36		
Naphthalene	ND ug/kg		393	1	06/23/14 12:26	06/24/14 01:36	91-20-3	
2-Nitroaniline	ND ug/kg		1900	1	06/23/14 12:26	06/24/14 01:36	88-74-4	
3-Nitroaniline	ND ug/kg		1900	1	06/23/14 12:26	06/24/14 01:36	99-09-2	
4-Nitroaniline	ND ug/kg		1900	1	06/23/14 12:26	06/24/14 01:36	100-01-6	
Nitrobenzene	ND ug/kg		393	1	06/23/14 12:26	06/24/14 01:36	98-95-3	
2-Nitrophenol	ND ug/kg		393	1	06/23/14 12:26	06/24/14 01:36	88-75-5	
4-Nitrophenol	ND ug/kg		1900	1	06/23/14 12:26	06/24/14 01:36	100-02-7	
N-Nitroso-di-n-propylamine	ND ug/kg		393	1	06/23/14 12:26	06/24/14 01:36	621-64-7	
N-Nitrosodiphenylamine	ND ug/kg		393	1	06/23/14 12:26	06/24/14 01:36	86-30-6	
Pentachlorophenol	ND ug/kg		1900	1	06/23/14 12:26	06/24/14 01:36	87-86-5	
Phenanthrene	ND ug/kg		393	1	06/23/14 12:26	06/24/14 01:36	85-01-8	
Phenol	ND ug/kg		393	1	06/23/14 12:26	06/24/14 01:36	108-95-2	
Pyrene	ND ug/kg		393	1	06/23/14 12:26	06/24/14 01:36	129-00-0	
2,4,5-Trichlorophenol	ND ug/kg		393	1	06/23/14 12:26	06/24/14 01:36	95-95-4	
2,4,6-Trichlorophenol	ND ug/kg		393	1	06/23/14 12:26	06/24/14 01:36	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	55 %.		28-101	1	06/23/14 12:26	06/24/14 01:36	4165-60-0	
2-Fluorobiphenyl (S)	59 %.		31-94	1	06/23/14 12:26	06/24/14 01:36	321-60-8	
p-Terphenyl-d14 (S)	72 %.		26-110	1	06/23/14 12:26	06/24/14 01:36	1718-51-0	
Phenol-d5 (S)	59 %.		28-101	1	06/23/14 12:26	06/24/14 01:36	4165-62-2	
2-Fluorophenol (S)	58 %.		24-104	1	06/23/14 12:26	06/24/14 01:36	367-12-4	
2,4,6-Tribromophenol (S)	61 %.		16-122	1	06/23/14 12:26	06/24/14 01:36	118-79-6	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Sibley - Accucast

Pace Project No.: 5099627

Sample: P-3 (16-18) **Lab ID: 5099627009** Collected: 06/19/14 10:20 Received: 06/20/14 10:42 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	94.0	1		07/02/14 18:03	67-64-1	
Acrolein	ND	ug/kg	94.0	1		07/02/14 18:03	107-02-8	
Acrylonitrile	ND	ug/kg	94.0	1		07/02/14 18:03	107-13-1	
Benzene	ND	ug/kg	4.7	1		07/02/14 18:03	71-43-2	
Bromobenzene	ND	ug/kg	4.7	1		07/02/14 18:03	108-86-1	
Bromochloromethane	ND	ug/kg	4.7	1		07/02/14 18:03	74-97-5	
Bromodichloromethane	ND	ug/kg	4.7	1		07/02/14 18:03	75-27-4	
Bromoform	ND	ug/kg	4.7	1		07/02/14 18:03	75-25-2	
Bromomethane	ND	ug/kg	4.7	1		07/02/14 18:03	74-83-9	
2-Butanone (MEK)	ND	ug/kg	23.5	1		07/02/14 18:03	78-93-3	
n-Butylbenzene	ND	ug/kg	4.7	1		07/02/14 18:03	104-51-8	
sec-Butylbenzene	ND	ug/kg	4.7	1		07/02/14 18:03	135-98-8	
tert-Butylbenzene	ND	ug/kg	4.7	1		07/02/14 18:03	98-06-6	
Carbon disulfide	ND	ug/kg	9.4	1		07/02/14 18:03	75-15-0	
Carbon tetrachloride	ND	ug/kg	4.7	1		07/02/14 18:03	56-23-5	
Chlorobenzene	ND	ug/kg	4.7	1		07/02/14 18:03	108-90-7	
Chloroethane	ND	ug/kg	4.7	1		07/02/14 18:03	75-00-3	
Chloroform	ND	ug/kg	4.7	1		07/02/14 18:03	67-66-3	
Chloromethane	ND	ug/kg	4.7	1		07/02/14 18:03	74-87-3	
2-Chlorotoluene	ND	ug/kg	4.7	1		07/02/14 18:03	95-49-8	
4-Chlorotoluene	ND	ug/kg	4.7	1		07/02/14 18:03	106-43-4	
Dibromochloromethane	ND	ug/kg	4.7	1		07/02/14 18:03	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	4.7	1		07/02/14 18:03	106-93-4	
Dibromomethane	ND	ug/kg	4.7	1		07/02/14 18:03	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	4.7	1		07/02/14 18:03	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	4.7	1		07/02/14 18:03	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	4.7	1		07/02/14 18:03	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/kg	94.0	1		07/02/14 18:03	110-57-6	
Dichlorodifluoromethane	ND	ug/kg	4.7	1		07/02/14 18:03	75-71-8	
1,1-Dichloroethane	ND	ug/kg	4.7	1		07/02/14 18:03	75-34-3	
1,2-Dichloroethane	ND	ug/kg	4.7	1		07/02/14 18:03	107-06-2	
1,1-Dichloroethene	ND	ug/kg	4.7	1		07/02/14 18:03	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	4.7	1		07/02/14 18:03	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	4.7	1		07/02/14 18:03	156-60-5	
1,2-Dichloropropane	ND	ug/kg	4.7	1		07/02/14 18:03	78-87-5	
1,3-Dichloropropane	ND	ug/kg	4.7	1		07/02/14 18:03	142-28-9	
2,2-Dichloropropane	ND	ug/kg	4.7	1		07/02/14 18:03	594-20-7	
1,1-Dichloropropene	ND	ug/kg	4.7	1		07/02/14 18:03	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	4.7	1		07/02/14 18:03	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	4.7	1		07/02/14 18:03	10061-02-6	
Ethylbenzene	ND	ug/kg	4.7	1		07/02/14 18:03	100-41-4	
Ethyl methacrylate	ND	ug/kg	94.0	1		07/02/14 18:03	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/kg	4.7	1		07/02/14 18:03	87-68-3	
n-Hexane	ND	ug/kg	4.7	1		07/02/14 18:03	110-54-3	N2
2-Hexanone	ND	ug/kg	94.0	1		07/02/14 18:03	591-78-6	
Iodomethane	ND	ug/kg	94.0	1		07/02/14 18:03	74-88-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Sibley - Accucast

Pace Project No.: 5099627

Sample: P-3 (16-18) **Lab ID: 5099627009** Collected: 06/19/14 10:20 Received: 06/20/14 10:42 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 18:03	98-82-8	
p-Isopropyltoluene	ND	ug/kg	4.7	1		07/02/14 18:03	99-87-6	
Methylene Chloride	ND	ug/kg	18.8	1		07/02/14 18:03	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	23.5	1		07/02/14 18:03	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	4.7	1		07/02/14 18:03	1634-04-4	
Naphthalene	ND	ug/kg	4.7	1		07/02/14 18:03	91-20-3	
n-Propylbenzene	ND	ug/kg	4.7	1		07/02/14 18:03	103-65-1	
Styrene	ND	ug/kg	4.7	1		07/02/14 18:03	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	4.7	1		07/02/14 18:03	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	4.7	1		07/02/14 18:03	79-34-5	
Tetrachloroethene	ND	ug/kg	4.7	1		07/02/14 18:03	127-18-4	
Toluene	ND	ug/kg	4.7	1		07/02/14 18:03	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	4.7	1		07/02/14 18:03	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	4.7	1		07/02/14 18:03	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	4.7	1		07/02/14 18:03	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	4.7	1		07/02/14 18:03	79-00-5	
Trichloroethene	ND	ug/kg	4.7	1		07/02/14 18:03	79-01-6	
Trichlorofluoromethane	ND	ug/kg	4.7	1		07/02/14 18:03	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	4.7	1		07/02/14 18:03	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	4.7	1		07/02/14 18:03	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	4.7	1		07/02/14 18:03	108-67-8	
Vinyl acetate	ND	ug/kg	94.0	1		07/02/14 18:03	108-05-4	
Vinyl chloride	ND	ug/kg	4.7	1		07/02/14 18:03	75-01-4	
Xylene (Total)	ND	ug/kg	9.4	1		07/02/14 18:03	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	98 %		85-118	1		07/02/14 18:03	1868-53-7	
Toluene-d8 (S)	100 %		71-128	1		07/02/14 18:03	2037-26-5	
4-Bromofluorobenzene (S)	94 %		56-144	1		07/02/14 18:03	460-00-4	
Percent Moisture		Analytical Method: ASTM D2974-87						
Percent Moisture	16.6 %		0.10	1		06/26/14 09:43		

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ANALYTICAL RESULTS

Project: Sibley - Accucast

Pace Project No.: 5099627

Sample: TMW-7 (14-16) **Lab ID: 5099627010** Collected: 06/19/14 13:45 Received: 06/20/14 10:42 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	116	1	06/24/14 11:04	06/27/14 02:28	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/kg	116	1	06/24/14 11:04	06/27/14 02:28	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/kg	116	1	06/24/14 11:04	06/27/14 02:28	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/kg	116	1	06/24/14 11:04	06/27/14 02:28	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/kg	116	1	06/24/14 11:04	06/27/14 02:28	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/kg	116	1	06/24/14 11:04	06/27/14 02:28	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	ug/kg	116	1	06/24/14 11:04	06/27/14 02:28	11096-82-5	
Surrogates								
Tetrachloro-m-xylene (S)	94 %.		30-106	1	06/24/14 11:04	06/27/14 02:28	877-09-8	
6010 MET ICP								
Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Antimony	ND	mg/kg	1.0	1	06/21/14 10:44	06/24/14 10:04	7440-36-0	
Arsenic	1.7	mg/kg	1.0	1	06/21/14 10:44	06/24/14 10:04	7440-38-2	
Chromium	3.4	mg/kg	1.0	1	06/21/14 10:44	06/24/14 10:04	7440-47-3	
Cobalt	1.7	mg/kg	1.0	1	06/21/14 10:44	06/24/14 10:04	7440-48-4	
Iron	3690	mg/kg	51.5	1	06/21/14 10:44	06/24/14 10:04	7439-89-6	
Lead	2.0	mg/kg	1.0	1	06/21/14 10:44	06/24/14 10:04	7439-92-1	
Selenium	ND	mg/kg	1.0	1	06/21/14 10:44	06/24/14 10:04	7782-49-2	
Thallium	2.0	mg/kg	1.0	1	06/21/14 10:44	06/24/14 10:04	7440-28-0	
8270 MSSV SHORT LIST MICROWAVE								
Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Acenaphthene	ND	ug/kg	382	1	06/24/14 14:24	06/25/14 13:42	83-32-9	
Acenaphthylene	ND	ug/kg	382	1	06/24/14 14:24	06/25/14 13:42	208-96-8	
Anthracene	ND	ug/kg	382	1	06/24/14 14:24	06/25/14 13:42	120-12-7	
Benzo(a)anthracene	ND	ug/kg	382	1	06/24/14 14:24	06/25/14 13:42	56-55-3	
Benzo(a)pyrene	ND	ug/kg	197	1	06/24/14 14:24	06/25/14 13:42	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	382	1	06/24/14 14:24	06/25/14 13:42	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	382	1	06/24/14 14:24	06/25/14 13:42	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	382	1	06/24/14 14:24	06/25/14 13:42	207-08-9	
Benzyl alcohol	ND	ug/kg	764	1	06/24/14 14:24	06/25/14 13:42	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	382	1	06/24/14 14:24	06/25/14 13:42	101-55-3	
Butylbenzylphthalate	ND	ug/kg	382	1	06/24/14 14:24	06/25/14 13:42	85-68-7	
4-Chloro-3-methylphenol	ND	ug/kg	764	1	06/24/14 14:24	06/25/14 13:42	59-50-7	
4-Chloroaniline	ND	ug/kg	764	1	06/24/14 14:24	06/25/14 13:42	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	382	1	06/24/14 14:24	06/25/14 13:42	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	382	1	06/24/14 14:24	06/25/14 13:42	111-44-4	
bis(2chloro1methylethyl) ether	ND	ug/kg	382	1	06/24/14 14:24	06/25/14 13:42	108-60-1	
2-Chloronaphthalene	ND	ug/kg	382	1	06/24/14 14:24	06/25/14 13:42	91-58-7	
2-Chlorophenol	ND	ug/kg	382	1	06/24/14 14:24	06/25/14 13:42	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	382	1	06/24/14 14:24	06/25/14 13:42	7005-72-3	
Chrysene	ND	ug/kg	382	1	06/24/14 14:24	06/25/14 13:42	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	197	1	06/24/14 14:24	06/25/14 13:42	53-70-3	
Dibenzofuran	ND	ug/kg	382	1	06/24/14 14:24	06/25/14 13:42	132-64-9	
3,3'-Dichlorobenzidine	ND	ug/kg	764	1	06/24/14 14:24	06/25/14 13:42	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	382	1	06/24/14 14:24	06/25/14 13:42	120-83-2	

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ANALYTICAL RESULTS

Project: Sibley - Accucast

Pace Project No.: 5099627

Sample: TMW-7 (14-16) **Lab ID: 5099627010** Collected: 06/19/14 13:45 Received: 06/20/14 10:42 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	382	1	06/24/14 14:24	06/25/14 13:42	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	382	1	06/24/14 14:24	06/25/14 13:42	105-67-9	
Dimethylphthalate	ND	ug/kg	382	1	06/24/14 14:24	06/25/14 13:42	131-11-3	
Di-n-butylphthalate	ND	ug/kg	382	1	06/24/14 14:24	06/25/14 13:42	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	1850	1	06/24/14 14:24	06/25/14 13:42	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	1850	1	06/24/14 14:24	06/25/14 13:42	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	382	1	06/24/14 14:24	06/25/14 13:42	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	382	1	06/24/14 14:24	06/25/14 13:42	606-20-2	
Di-n-octylphthalate	ND	ug/kg	382	1	06/24/14 14:24	06/25/14 13:42	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	382	1	06/24/14 14:24	06/25/14 13:42	117-81-7	
Fluoranthene	ND	ug/kg	382	1	06/24/14 14:24	06/25/14 13:42	206-44-0	
Fluorene	ND	ug/kg	382	1	06/24/14 14:24	06/25/14 13:42	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/kg	382	1	06/24/14 14:24	06/25/14 13:42	87-68-3	
Hexachlorobenzene	ND	ug/kg	382	1	06/24/14 14:24	06/25/14 13:42	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	382	1	06/24/14 14:24	06/25/14 13:42	77-47-4	
Hexachloroethane	ND	ug/kg	382	1	06/24/14 14:24	06/25/14 13:42	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	382	1	06/24/14 14:24	06/25/14 13:42	193-39-5	
Isophorone	ND	ug/kg	382	1	06/24/14 14:24	06/25/14 13:42	78-59-1	
2-Methylnaphthalene	ND	ug/kg	382	1	06/24/14 14:24	06/25/14 13:42	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	382	1	06/24/14 14:24	06/25/14 13:42	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	764	1	06/24/14 14:24	06/25/14 13:42		
Naphthalene	ND	ug/kg	382	1	06/24/14 14:24	06/25/14 13:42	91-20-3	
2-Nitroaniline	ND	ug/kg	1850	1	06/24/14 14:24	06/25/14 13:42	88-74-4	
3-Nitroaniline	ND	ug/kg	1850	1	06/24/14 14:24	06/25/14 13:42	99-09-2	
4-Nitroaniline	ND	ug/kg	1850	1	06/24/14 14:24	06/25/14 13:42	100-01-6	
Nitrobenzene	ND	ug/kg	382	1	06/24/14 14:24	06/25/14 13:42	98-95-3	
2-Nitrophenol	ND	ug/kg	382	1	06/24/14 14:24	06/25/14 13:42	88-75-5	
4-Nitrophenol	ND	ug/kg	1850	1	06/24/14 14:24	06/25/14 13:42	100-02-7	
N-Nitroso-di-n-propylamine	ND	ug/kg	382	1	06/24/14 14:24	06/25/14 13:42	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	382	1	06/24/14 14:24	06/25/14 13:42	86-30-6	
Pentachlorophenol	ND	ug/kg	1850	1	06/24/14 14:24	06/25/14 13:42	87-86-5	
Phenanthrene	ND	ug/kg	382	1	06/24/14 14:24	06/25/14 13:42	85-01-8	
Phenol	ND	ug/kg	382	1	06/24/14 14:24	06/25/14 13:42	108-95-2	
Pyrene	ND	ug/kg	382	1	06/24/14 14:24	06/25/14 13:42	129-00-0	
2,4,5-Trichlorophenol	ND	ug/kg	382	1	06/24/14 14:24	06/25/14 13:42	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	382	1	06/24/14 14:24	06/25/14 13:42	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	70 %.		28-101	1	06/24/14 14:24	06/25/14 13:42	4165-60-0	
2-Fluorobiphenyl (S)	72 %.		31-94	1	06/24/14 14:24	06/25/14 13:42	321-60-8	
p-Terphenyl-d14 (S)	85 %.		26-110	1	06/24/14 14:24	06/25/14 13:42	1718-51-0	
Phenol-d5 (S)	70 %.		28-101	1	06/24/14 14:24	06/25/14 13:42	4165-62-2	
2-Fluorophenol (S)	70 %.		24-104	1	06/24/14 14:24	06/25/14 13:42	367-12-4	
2,4,6-Tribromophenol (S)	72 %.		16-122	1	06/24/14 14:24	06/25/14 13:42	118-79-6	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Sibley - Accucast

Pace Project No.: 5099627

Sample: TMW-7 (14-16) **Lab ID: 5099627010** Collected: 06/19/14 13:45 Received: 06/20/14 10:42 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	103	1		07/02/14 18:37	67-64-1	
Acrolein	ND	ug/kg	103	1		07/02/14 18:37	107-02-8	
Acrylonitrile	ND	ug/kg	103	1		07/02/14 18:37	107-13-1	
Benzene	ND	ug/kg	5.2	1		07/02/14 18:37	71-43-2	
Bromobenzene	ND	ug/kg	5.2	1		07/02/14 18:37	108-86-1	
Bromochloromethane	ND	ug/kg	5.2	1		07/02/14 18:37	74-97-5	
Bromodichloromethane	ND	ug/kg	5.2	1		07/02/14 18:37	75-27-4	
Bromoform	ND	ug/kg	5.2	1		07/02/14 18:37	75-25-2	
Bromomethane	ND	ug/kg	5.2	1		07/02/14 18:37	74-83-9	
2-Butanone (MEK)	ND	ug/kg	25.8	1		07/02/14 18:37	78-93-3	
n-Butylbenzene	ND	ug/kg	5.2	1		07/02/14 18:37	104-51-8	
sec-Butylbenzene	ND	ug/kg	5.2	1		07/02/14 18:37	135-98-8	
tert-Butylbenzene	ND	ug/kg	5.2	1		07/02/14 18:37	98-06-6	
Carbon disulfide	ND	ug/kg	10.3	1		07/02/14 18:37	75-15-0	
Carbon tetrachloride	ND	ug/kg	5.2	1		07/02/14 18:37	56-23-5	
Chlorobenzene	ND	ug/kg	5.2	1		07/02/14 18:37	108-90-7	
Chloroethane	ND	ug/kg	5.2	1		07/02/14 18:37	75-00-3	
Chloroform	ND	ug/kg	5.2	1		07/02/14 18:37	67-66-3	
Chloromethane	ND	ug/kg	5.2	1		07/02/14 18:37	74-87-3	
2-Chlorotoluene	ND	ug/kg	5.2	1		07/02/14 18:37	95-49-8	
4-Chlorotoluene	ND	ug/kg	5.2	1		07/02/14 18:37	106-43-4	
Dibromochloromethane	ND	ug/kg	5.2	1		07/02/14 18:37	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	5.2	1		07/02/14 18:37	106-93-4	
Dibromomethane	ND	ug/kg	5.2	1		07/02/14 18:37	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	5.2	1		07/02/14 18:37	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	5.2	1		07/02/14 18:37	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	5.2	1		07/02/14 18:37	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/kg	103	1		07/02/14 18:37	110-57-6	
Dichlorodifluoromethane	ND	ug/kg	5.2	1		07/02/14 18:37	75-71-8	
1,1-Dichloroethane	ND	ug/kg	5.2	1		07/02/14 18:37	75-34-3	
1,2-Dichloroethane	ND	ug/kg	5.2	1		07/02/14 18:37	107-06-2	
1,1-Dichloroethene	ND	ug/kg	5.2	1		07/02/14 18:37	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	5.2	1		07/02/14 18:37	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	5.2	1		07/02/14 18:37	156-60-5	
1,2-Dichloropropane	ND	ug/kg	5.2	1		07/02/14 18:37	78-87-5	
1,3-Dichloropropane	ND	ug/kg	5.2	1		07/02/14 18:37	142-28-9	
2,2-Dichloropropane	ND	ug/kg	5.2	1		07/02/14 18:37	594-20-7	
1,1-Dichloropropene	ND	ug/kg	5.2	1		07/02/14 18:37	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	5.2	1		07/02/14 18:37	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	5.2	1		07/02/14 18:37	10061-02-6	
Ethylbenzene	ND	ug/kg	5.2	1		07/02/14 18:37	100-41-4	
Ethyl methacrylate	ND	ug/kg	103	1		07/02/14 18:37	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/kg	5.2	1		07/02/14 18:37	87-68-3	
n-Hexane	ND	ug/kg	5.2	1		07/02/14 18:37	110-54-3	N2
2-Hexanone	ND	ug/kg	103	1		07/02/14 18:37	591-78-6	
Iodomethane	ND	ug/kg	103	1		07/02/14 18:37	74-88-4	

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ANALYTICAL RESULTS

Project: Sibley - Accucast

Pace Project No.: 5099627

Sample: TMW-7 (14-16) **Lab ID: 5099627010** Collected: 06/19/14 13:45 Received: 06/20/14 10:42 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	5.2	1		07/02/14 18:37	98-82-8	
p-Isopropyltoluene	ND	ug/kg	5.2	1		07/02/14 18:37	99-87-6	
Methylene Chloride	ND	ug/kg	20.6	1		07/02/14 18:37	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	25.8	1		07/02/14 18:37	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	5.2	1		07/02/14 18:37	1634-04-4	
Naphthalene	ND	ug/kg	5.2	1		07/02/14 18:37	91-20-3	
n-Propylbenzene	ND	ug/kg	5.2	1		07/02/14 18:37	103-65-1	
Styrene	ND	ug/kg	5.2	1		07/02/14 18:37	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	5.2	1		07/02/14 18:37	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	5.2	1		07/02/14 18:37	79-34-5	
Tetrachloroethene	ND	ug/kg	5.2	1		07/02/14 18:37	127-18-4	
Toluene	ND	ug/kg	5.2	1		07/02/14 18:37	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	5.2	1		07/02/14 18:37	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	5.2	1		07/02/14 18:37	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	5.2	1		07/02/14 18:37	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	5.2	1		07/02/14 18:37	79-00-5	
Trichloroethene	ND	ug/kg	5.2	1		07/02/14 18:37	79-01-6	
Trichlorofluoromethane	ND	ug/kg	5.2	1		07/02/14 18:37	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	5.2	1		07/02/14 18:37	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	5.2	1		07/02/14 18:37	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	5.2	1		07/02/14 18:37	108-67-8	
Vinyl acetate	ND	ug/kg	103	1		07/02/14 18:37	108-05-4	
Vinyl chloride	ND	ug/kg	5.2	1		07/02/14 18:37	75-01-4	
Xylene (Total)	ND	ug/kg	10.3	1		07/02/14 18:37	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	96 %		85-118	1		07/02/14 18:37	1868-53-7	
Toluene-d8 (S)	98 %		71-128	1		07/02/14 18:37	2037-26-5	
4-Bromofluorobenzene (S)	91 %		56-144	1		07/02/14 18:37	460-00-4	
Percent Moisture		Analytical Method: ASTM D2974-87						
Percent Moisture	14.2 %		0.10	1		06/26/14 09:43		

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ANALYTICAL RESULTS

Project: Sibley - Accucast

Pace Project No.: 5099627

Sample: P-4 (5-7) **Lab ID: 5099627011** Collected: 06/19/14 10:56 Received: 06/20/14 10:42 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	110	1	06/24/14 11:04	06/27/14 02:33	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/kg	110	1	06/24/14 11:04	06/27/14 02:33	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/kg	110	1	06/24/14 11:04	06/27/14 02:33	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/kg	110	1	06/24/14 11:04	06/27/14 02:33	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/kg	110	1	06/24/14 11:04	06/27/14 02:33	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/kg	110	1	06/24/14 11:04	06/27/14 02:33	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	ug/kg	110	1	06/24/14 11:04	06/27/14 02:33	11096-82-5	
Surrogates								
Tetrachloro-m-xylene (S)	73 %.		30-106	1	06/24/14 11:04	06/27/14 02:33	877-09-8	
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3050						
Antimony	ND	mg/kg	1.0	1	06/21/14 10:44	06/24/14 10:06	7440-36-0	
Arsenic	4.0	mg/kg	1.0	1	06/21/14 10:44	06/24/14 10:06	7440-38-2	
Chromium	9.4	mg/kg	1.0	1	06/21/14 10:44	06/24/14 10:06	7440-47-3	
Cobalt	3.7	mg/kg	1.0	1	06/21/14 10:44	06/24/14 10:06	7440-48-4	
Iron	11500	mg/kg	51.5	1	06/21/14 10:44	06/24/14 10:06	7439-89-6	
Lead	11.8	mg/kg	1.0	1	06/21/14 10:44	06/24/14 10:06	7439-92-1	
Selenium	ND	mg/kg	1.0	1	06/21/14 10:44	06/24/14 10:06	7782-49-2	
Thallium	4.7	mg/kg	1.0	1	06/21/14 10:44	06/24/14 10:06	7440-28-0	
8270 MSSV SHORT LIST MICROWAVE		Analytical Method: EPA 8270 Preparation Method: EPA 3546						
Acenaphthene	ND	ug/kg	362	1	06/24/14 14:24	06/25/14 14:04	83-32-9	
Acenaphthylene	ND	ug/kg	362	1	06/24/14 14:24	06/25/14 14:04	208-96-8	
Anthracene	ND	ug/kg	362	1	06/24/14 14:24	06/25/14 14:04	120-12-7	
Benzo(a)anthracene	ND	ug/kg	362	1	06/24/14 14:24	06/25/14 14:04	56-55-3	
Benzo(a)pyrene	ND	ug/kg	187	1	06/24/14 14:24	06/25/14 14:04	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	362	1	06/24/14 14:24	06/25/14 14:04	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	362	1	06/24/14 14:24	06/25/14 14:04	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	362	1	06/24/14 14:24	06/25/14 14:04	207-08-9	
Benzyl alcohol	ND	ug/kg	724	1	06/24/14 14:24	06/25/14 14:04	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	362	1	06/24/14 14:24	06/25/14 14:04	101-55-3	
Butylbenzylphthalate	ND	ug/kg	362	1	06/24/14 14:24	06/25/14 14:04	85-68-7	
4-Chloro-3-methylphenol	ND	ug/kg	724	1	06/24/14 14:24	06/25/14 14:04	59-50-7	
4-Chloroaniline	ND	ug/kg	724	1	06/24/14 14:24	06/25/14 14:04	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	362	1	06/24/14 14:24	06/25/14 14:04	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	362	1	06/24/14 14:24	06/25/14 14:04	111-44-4	
bis(2chloro1methylethyl) ether	ND	ug/kg	362	1	06/24/14 14:24	06/25/14 14:04	108-60-1	
2-Chloronaphthalene	ND	ug/kg	362	1	06/24/14 14:24	06/25/14 14:04	91-58-7	
2-Chlorophenol	ND	ug/kg	362	1	06/24/14 14:24	06/25/14 14:04	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	362	1	06/24/14 14:24	06/25/14 14:04	7005-72-3	
Chrysene	ND	ug/kg	362	1	06/24/14 14:24	06/25/14 14:04	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	187	1	06/24/14 14:24	06/25/14 14:04	53-70-3	
Dibenzofuran	ND	ug/kg	362	1	06/24/14 14:24	06/25/14 14:04	132-64-9	
3,3'-Dichlorobenzidine	ND	ug/kg	724	1	06/24/14 14:24	06/25/14 14:04	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	362	1	06/24/14 14:24	06/25/14 14:04	120-83-2	

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ANALYTICAL RESULTS

Project: Sibley - Accucast

Pace Project No.: 5099627

Sample: P-4 (5-7) **Lab ID: 5099627011** Collected: 06/19/14 10:56 Received: 06/20/14 10:42 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	362	1	06/24/14 14:24	06/25/14 14:04	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	362	1	06/24/14 14:24	06/25/14 14:04	105-67-9	
Dimethylphthalate	ND	ug/kg	362	1	06/24/14 14:24	06/25/14 14:04	131-11-3	
Di-n-butylphthalate	ND	ug/kg	362	1	06/24/14 14:24	06/25/14 14:04	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	1760	1	06/24/14 14:24	06/25/14 14:04	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	1760	1	06/24/14 14:24	06/25/14 14:04	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	362	1	06/24/14 14:24	06/25/14 14:04	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	362	1	06/24/14 14:24	06/25/14 14:04	606-20-2	
Di-n-octylphthalate	ND	ug/kg	362	1	06/24/14 14:24	06/25/14 14:04	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	362	1	06/24/14 14:24	06/25/14 14:04	117-81-7	
Fluoranthene	ND	ug/kg	362	1	06/24/14 14:24	06/25/14 14:04	206-44-0	
Fluorene	ND	ug/kg	362	1	06/24/14 14:24	06/25/14 14:04	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/kg	362	1	06/24/14 14:24	06/25/14 14:04	87-68-3	
Hexachlorobenzene	ND	ug/kg	362	1	06/24/14 14:24	06/25/14 14:04	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	362	1	06/24/14 14:24	06/25/14 14:04	77-47-4	
Hexachloroethane	ND	ug/kg	362	1	06/24/14 14:24	06/25/14 14:04	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	362	1	06/24/14 14:24	06/25/14 14:04	193-39-5	
Isophorone	ND	ug/kg	362	1	06/24/14 14:24	06/25/14 14:04	78-59-1	
2-Methylnaphthalene	ND	ug/kg	362	1	06/24/14 14:24	06/25/14 14:04	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	362	1	06/24/14 14:24	06/25/14 14:04	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	724	1	06/24/14 14:24	06/25/14 14:04		
Naphthalene	ND	ug/kg	362	1	06/24/14 14:24	06/25/14 14:04	91-20-3	
2-Nitroaniline	ND	ug/kg	1760	1	06/24/14 14:24	06/25/14 14:04	88-74-4	
3-Nitroaniline	ND	ug/kg	1760	1	06/24/14 14:24	06/25/14 14:04	99-09-2	
4-Nitroaniline	ND	ug/kg	1760	1	06/24/14 14:24	06/25/14 14:04	100-01-6	
Nitrobenzene	ND	ug/kg	362	1	06/24/14 14:24	06/25/14 14:04	98-95-3	
2-Nitrophenol	ND	ug/kg	362	1	06/24/14 14:24	06/25/14 14:04	88-75-5	
4-Nitrophenol	ND	ug/kg	1760	1	06/24/14 14:24	06/25/14 14:04	100-02-7	
N-Nitroso-di-n-propylamine	ND	ug/kg	362	1	06/24/14 14:24	06/25/14 14:04	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	362	1	06/24/14 14:24	06/25/14 14:04	86-30-6	
Pentachlorophenol	ND	ug/kg	1760	1	06/24/14 14:24	06/25/14 14:04	87-86-5	
Phenanthrene	ND	ug/kg	362	1	06/24/14 14:24	06/25/14 14:04	85-01-8	
Phenol	ND	ug/kg	362	1	06/24/14 14:24	06/25/14 14:04	108-95-2	
Pyrene	ND	ug/kg	362	1	06/24/14 14:24	06/25/14 14:04	129-00-0	
2,4,5-Trichlorophenol	ND	ug/kg	362	1	06/24/14 14:24	06/25/14 14:04	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	362	1	06/24/14 14:24	06/25/14 14:04	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	67 %.		28-101	1	06/24/14 14:24	06/25/14 14:04	4165-60-0	
2-Fluorobiphenyl (S)	64 %.		31-94	1	06/24/14 14:24	06/25/14 14:04	321-60-8	
p-Terphenyl-d14 (S)	80 %.		26-110	1	06/24/14 14:24	06/25/14 14:04	1718-51-0	
Phenol-d5 (S)	70 %.		28-101	1	06/24/14 14:24	06/25/14 14:04	4165-62-2	
2-Fluorophenol (S)	68 %.		24-104	1	06/24/14 14:24	06/25/14 14:04	367-12-4	
2,4,6-Tribromophenol (S)	68 %.		16-122	1	06/24/14 14:24	06/25/14 14:04	118-79-6	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Sibley - Accucast

Pace Project No.: 5099627

Sample: P-4 (5-7) **Lab ID: 5099627011** Collected: 06/19/14 10:56 Received: 06/20/14 10:42 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	98.8	1		07/03/14 15:03	67-64-1	
Acrolein	ND	ug/kg	98.8	1		07/03/14 15:03	107-02-8	
Acrylonitrile	ND	ug/kg	98.8	1		07/03/14 15:03	107-13-1	
Benzene	ND	ug/kg	4.9	1		07/03/14 15:03	71-43-2	
Bromobenzene	ND	ug/kg	4.9	1		07/03/14 15:03	108-86-1	
Bromochloromethane	ND	ug/kg	4.9	1		07/03/14 15:03	74-97-5	
Bromodichloromethane	ND	ug/kg	4.9	1		07/03/14 15:03	75-27-4	
Bromoform	ND	ug/kg	4.9	1		07/03/14 15:03	75-25-2	
Bromomethane	ND	ug/kg	4.9	1		07/03/14 15:03	74-83-9	
2-Butanone (MEK)	ND	ug/kg	24.7	1		07/03/14 15:03	78-93-3	
n-Butylbenzene	ND	ug/kg	4.9	1		07/03/14 15:03	104-51-8	
sec-Butylbenzene	ND	ug/kg	4.9	1		07/03/14 15:03	135-98-8	
tert-Butylbenzene	ND	ug/kg	4.9	1		07/03/14 15:03	98-06-6	
Carbon disulfide	ND	ug/kg	9.9	1		07/03/14 15:03	75-15-0	
Carbon tetrachloride	ND	ug/kg	4.9	1		07/03/14 15:03	56-23-5	
Chlorobenzene	ND	ug/kg	4.9	1		07/03/14 15:03	108-90-7	
Chloroethane	ND	ug/kg	4.9	1		07/03/14 15:03	75-00-3	
Chloroform	ND	ug/kg	4.9	1		07/03/14 15:03	67-66-3	
Chloromethane	ND	ug/kg	4.9	1		07/03/14 15:03	74-87-3	
2-Chlorotoluene	ND	ug/kg	4.9	1		07/03/14 15:03	95-49-8	
4-Chlorotoluene	ND	ug/kg	4.9	1		07/03/14 15:03	106-43-4	
Dibromochloromethane	ND	ug/kg	4.9	1		07/03/14 15:03	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	4.9	1		07/03/14 15:03	106-93-4	
Dibromomethane	ND	ug/kg	4.9	1		07/03/14 15:03	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	4.9	1		07/03/14 15:03	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	4.9	1		07/03/14 15:03	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	4.9	1		07/03/14 15:03	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/kg	98.8	1		07/03/14 15:03	110-57-6	
Dichlorodifluoromethane	ND	ug/kg	4.9	1		07/03/14 15:03	75-71-8	
1,1-Dichloroethane	ND	ug/kg	4.9	1		07/03/14 15:03	75-34-3	
1,2-Dichloroethane	ND	ug/kg	4.9	1		07/03/14 15:03	107-06-2	
1,1-Dichloroethene	ND	ug/kg	4.9	1		07/03/14 15:03	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	4.9	1		07/03/14 15:03	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	4.9	1		07/03/14 15:03	156-60-5	
1,2-Dichloropropane	ND	ug/kg	4.9	1		07/03/14 15:03	78-87-5	
1,3-Dichloropropane	ND	ug/kg	4.9	1		07/03/14 15:03	142-28-9	
2,2-Dichloropropane	ND	ug/kg	4.9	1		07/03/14 15:03	594-20-7	
1,1-Dichloropropene	ND	ug/kg	4.9	1		07/03/14 15:03	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	4.9	1		07/03/14 15:03	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	4.9	1		07/03/14 15:03	10061-02-6	
Ethylbenzene	ND	ug/kg	4.9	1		07/03/14 15:03	100-41-4	
Ethyl methacrylate	ND	ug/kg	98.8	1		07/03/14 15:03	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/kg	4.9	1		07/03/14 15:03	87-68-3	
n-Hexane	ND	ug/kg	4.9	1		07/03/14 15:03	110-54-3	N2
2-Hexanone	ND	ug/kg	98.8	1		07/03/14 15:03	591-78-6	
Iodomethane	ND	ug/kg	98.8	1		07/03/14 15:03	74-88-4	

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ANALYTICAL RESULTS

Project: Sibley - Accucast

Pace Project No.: 5099627

Sample: P-4 (5-7) **Lab ID: 5099627011** Collected: 06/19/14 10:56 Received: 06/20/14 10:42 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 15:03	98-82-8	
p-Isopropyltoluene	ND	ug/kg	4.9	1		07/03/14 15:03	99-87-6	
Methylene Chloride	ND	ug/kg	19.8	1		07/03/14 15:03	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	24.7	1		07/03/14 15:03	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	4.9	1		07/03/14 15:03	1634-04-4	
Naphthalene	ND	ug/kg	4.9	1		07/03/14 15:03	91-20-3	
n-Propylbenzene	ND	ug/kg	4.9	1		07/03/14 15:03	103-65-1	
Styrene	ND	ug/kg	4.9	1		07/03/14 15:03	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	4.9	1		07/03/14 15:03	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	4.9	1		07/03/14 15:03	79-34-5	
Tetrachloroethene	ND	ug/kg	4.9	1		07/03/14 15:03	127-18-4	
Toluene	ND	ug/kg	4.9	1		07/03/14 15:03	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	4.9	1		07/03/14 15:03	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	4.9	1		07/03/14 15:03	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	4.9	1		07/03/14 15:03	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	4.9	1		07/03/14 15:03	79-00-5	
Trichloroethene	ND	ug/kg	4.9	1		07/03/14 15:03	79-01-6	
Trichlorofluoromethane	ND	ug/kg	4.9	1		07/03/14 15:03	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	4.9	1		07/03/14 15:03	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	4.9	1		07/03/14 15:03	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	4.9	1		07/03/14 15:03	108-67-8	
Vinyl acetate	ND	ug/kg	98.8	1		07/03/14 15:03	108-05-4	
Vinyl chloride	ND	ug/kg	4.9	1		07/03/14 15:03	75-01-4	
Xylene (Total)	ND	ug/kg	9.9	1		07/03/14 15:03	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	95 %		85-118	1		07/03/14 15:03	1868-53-7	
Toluene-d8 (S)	99 %		71-128	1		07/03/14 15:03	2037-26-5	
4-Bromofluorobenzene (S)	93 %		56-144	1		07/03/14 15:03	460-00-4	
Percent Moisture		Analytical Method: ASTM D2974-87						
Percent Moisture	9.2 %		0.10	1		06/26/14 09:43		

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ANALYTICAL RESULTS

Project: Sibley - Accucast

Pace Project No.: 5099627

Sample: P-7 (5-7) **Lab ID: 5099627012** Collected: 06/19/14 11:50 Received: 06/20/14 10:42 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	116	1	06/24/14 11:04	06/27/14 02:39	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/kg	116	1	06/24/14 11:04	06/27/14 02:39	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/kg	116	1	06/24/14 11:04	06/27/14 02:39	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/kg	116	1	06/24/14 11:04	06/27/14 02:39	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/kg	116	1	06/24/14 11:04	06/27/14 02:39	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/kg	116	1	06/24/14 11:04	06/27/14 02:39	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	ug/kg	116	1	06/24/14 11:04	06/27/14 02:39	11096-82-5	
Surrogates								
Tetrachloro-m-xylene (S)	84 %.		30-106	1	06/24/14 11:04	06/27/14 02:39	877-09-8	
6010 MET ICP								
Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Antimony	ND	mg/kg	1.0	1	06/21/14 10:44	06/24/14 10:09	7440-36-0	
Arsenic	3.1	mg/kg	1.0	1	06/21/14 10:44	06/24/14 10:09	7440-38-2	
Chromium	3.1	mg/kg	1.0	1	06/21/14 10:44	06/24/14 10:09	7440-47-3	
Cobalt	1.7	mg/kg	1.0	1	06/21/14 10:44	06/24/14 10:09	7440-48-4	
Iron	5660	mg/kg	50.2	1	06/21/14 10:44	06/24/14 10:09	7439-89-6	
Lead	5.2	mg/kg	1.0	1	06/21/14 10:44	06/24/14 10:09	7439-92-1	
Selenium	ND	mg/kg	1.0	1	06/21/14 10:44	06/24/14 10:09	7782-49-2	
Thallium	2.4	mg/kg	1.0	1	06/21/14 10:44	06/24/14 10:09	7440-28-0	
8270 MSSV SHORT LIST MICROWAVE								
Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Acenaphthene	ND	ug/kg	385	1	06/24/14 14:24	06/25/14 15:12	83-32-9	
Acenaphthylene	ND	ug/kg	385	1	06/24/14 14:24	06/25/14 15:12	208-96-8	
Anthracene	ND	ug/kg	385	1	06/24/14 14:24	06/25/14 15:12	120-12-7	
Benzo(a)anthracene	ND	ug/kg	385	1	06/24/14 14:24	06/25/14 15:12	56-55-3	
Benzo(a)pyrene	ND	ug/kg	198	1	06/24/14 14:24	06/25/14 15:12	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	385	1	06/24/14 14:24	06/25/14 15:12	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	385	1	06/24/14 14:24	06/25/14 15:12	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	385	1	06/24/14 14:24	06/25/14 15:12	207-08-9	
Benzyl alcohol	ND	ug/kg	769	1	06/24/14 14:24	06/25/14 15:12	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	385	1	06/24/14 14:24	06/25/14 15:12	101-55-3	
Butylbenzylphthalate	ND	ug/kg	385	1	06/24/14 14:24	06/25/14 15:12	85-68-7	
4-Chloro-3-methylphenol	ND	ug/kg	769	1	06/24/14 14:24	06/25/14 15:12	59-50-7	
4-Chloroaniline	ND	ug/kg	769	1	06/24/14 14:24	06/25/14 15:12	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	385	1	06/24/14 14:24	06/25/14 15:12	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	385	1	06/24/14 14:24	06/25/14 15:12	111-44-4	
bis(2chloro1methylethyl) ether	ND	ug/kg	385	1	06/24/14 14:24	06/25/14 15:12	108-60-1	
2-Chloronaphthalene	ND	ug/kg	385	1	06/24/14 14:24	06/25/14 15:12	91-58-7	
2-Chlorophenol	ND	ug/kg	385	1	06/24/14 14:24	06/25/14 15:12	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	385	1	06/24/14 14:24	06/25/14 15:12	7005-72-3	
Chrysene	ND	ug/kg	385	1	06/24/14 14:24	06/25/14 15:12	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	198	1	06/24/14 14:24	06/25/14 15:12	53-70-3	
Dibenzofuran	ND	ug/kg	385	1	06/24/14 14:24	06/25/14 15:12	132-64-9	
3,3'-Dichlorobenzidine	ND	ug/kg	769	1	06/24/14 14:24	06/25/14 15:12	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	385	1	06/24/14 14:24	06/25/14 15:12	120-83-2	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Sibley - Accucast

Pace Project No.: 5099627

Sample: P-7 (5-7) **Lab ID: 5099627012** Collected: 06/19/14 11:50 Received: 06/20/14 10:42 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	385	1	06/24/14 14:24	06/25/14 15:12	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	385	1	06/24/14 14:24	06/25/14 15:12	105-67-9	
Dimethylphthalate	ND	ug/kg	385	1	06/24/14 14:24	06/25/14 15:12	131-11-3	
Di-n-butylphthalate	ND	ug/kg	385	1	06/24/14 14:24	06/25/14 15:12	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	1860	1	06/24/14 14:24	06/25/14 15:12	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	1860	1	06/24/14 14:24	06/25/14 15:12	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	385	1	06/24/14 14:24	06/25/14 15:12	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	385	1	06/24/14 14:24	06/25/14 15:12	606-20-2	
Di-n-octylphthalate	ND	ug/kg	385	1	06/24/14 14:24	06/25/14 15:12	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	385	1	06/24/14 14:24	06/25/14 15:12	117-81-7	
Fluoranthene	ND	ug/kg	385	1	06/24/14 14:24	06/25/14 15:12	206-44-0	
Fluorene	ND	ug/kg	385	1	06/24/14 14:24	06/25/14 15:12	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/kg	385	1	06/24/14 14:24	06/25/14 15:12	87-68-3	
Hexachlorobenzene	ND	ug/kg	385	1	06/24/14 14:24	06/25/14 15:12	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	385	1	06/24/14 14:24	06/25/14 15:12	77-47-4	
Hexachloroethane	ND	ug/kg	385	1	06/24/14 14:24	06/25/14 15:12	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	385	1	06/24/14 14:24	06/25/14 15:12	193-39-5	
Isophorone	ND	ug/kg	385	1	06/24/14 14:24	06/25/14 15:12	78-59-1	
2-Methylnaphthalene	ND	ug/kg	385	1	06/24/14 14:24	06/25/14 15:12	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	385	1	06/24/14 14:24	06/25/14 15:12	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	769	1	06/24/14 14:24	06/25/14 15:12		
Naphthalene	ND	ug/kg	385	1	06/24/14 14:24	06/25/14 15:12	91-20-3	
2-Nitroaniline	ND	ug/kg	1860	1	06/24/14 14:24	06/25/14 15:12	88-74-4	
3-Nitroaniline	ND	ug/kg	1860	1	06/24/14 14:24	06/25/14 15:12	99-09-2	
4-Nitroaniline	ND	ug/kg	1860	1	06/24/14 14:24	06/25/14 15:12	100-01-6	
Nitrobenzene	ND	ug/kg	385	1	06/24/14 14:24	06/25/14 15:12	98-95-3	
2-Nitrophenol	ND	ug/kg	385	1	06/24/14 14:24	06/25/14 15:12	88-75-5	
4-Nitrophenol	ND	ug/kg	1860	1	06/24/14 14:24	06/25/14 15:12	100-02-7	
N-Nitroso-di-n-propylamine	ND	ug/kg	385	1	06/24/14 14:24	06/25/14 15:12	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	385	1	06/24/14 14:24	06/25/14 15:12	86-30-6	
Pentachlorophenol	ND	ug/kg	1860	1	06/24/14 14:24	06/25/14 15:12	87-86-5	
Phenanthrene	ND	ug/kg	385	1	06/24/14 14:24	06/25/14 15:12	85-01-8	
Phenol	ND	ug/kg	385	1	06/24/14 14:24	06/25/14 15:12	108-95-2	
Pyrene	ND	ug/kg	385	1	06/24/14 14:24	06/25/14 15:12	129-00-0	
2,4,5-Trichlorophenol	ND	ug/kg	385	1	06/24/14 14:24	06/25/14 15:12	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	385	1	06/24/14 14:24	06/25/14 15:12	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	75 %.		28-101	1	06/24/14 14:24	06/25/14 15:12	4165-60-0	
2-Fluorobiphenyl (S)	75 %.		31-94	1	06/24/14 14:24	06/25/14 15:12	321-60-8	
p-Terphenyl-d14 (S)	98 %.		26-110	1	06/24/14 14:24	06/25/14 15:12	1718-51-0	
Phenol-d5 (S)	78 %.		28-101	1	06/24/14 14:24	06/25/14 15:12	4165-62-2	
2-Fluorophenol (S)	78 %.		24-104	1	06/24/14 14:24	06/25/14 15:12	367-12-4	
2,4,6-Tribromophenol (S)	80 %.		16-122	1	06/24/14 14:24	06/25/14 15:12	118-79-6	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Sibley - Accucast

Pace Project No.: 5099627

Sample: P-7 (5-7) **Lab ID: 5099627012** Collected: 06/19/14 11:50 Received: 06/20/14 10:42 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	97.4	1		07/03/14 16:44	67-64-1	
Acrolein	ND	ug/kg	97.4	1		07/03/14 16:44	107-02-8	
Acrylonitrile	ND	ug/kg	97.4	1		07/03/14 16:44	107-13-1	
Benzene	ND	ug/kg	4.9	1		07/03/14 16:44	71-43-2	
Bromobenzene	ND	ug/kg	4.9	1		07/03/14 16:44	108-86-1	
Bromochloromethane	ND	ug/kg	4.9	1		07/03/14 16:44	74-97-5	
Bromodichloromethane	ND	ug/kg	4.9	1		07/03/14 16:44	75-27-4	
Bromoform	ND	ug/kg	4.9	1		07/03/14 16:44	75-25-2	
Bromomethane	ND	ug/kg	4.9	1		07/03/14 16:44	74-83-9	
2-Butanone (MEK)	ND	ug/kg	24.4	1		07/03/14 16:44	78-93-3	
n-Butylbenzene	ND	ug/kg	4.9	1		07/03/14 16:44	104-51-8	
sec-Butylbenzene	ND	ug/kg	4.9	1		07/03/14 16:44	135-98-8	
tert-Butylbenzene	ND	ug/kg	4.9	1		07/03/14 16:44	98-06-6	
Carbon disulfide	ND	ug/kg	9.7	1		07/03/14 16:44	75-15-0	
Carbon tetrachloride	ND	ug/kg	4.9	1		07/03/14 16:44	56-23-5	
Chlorobenzene	ND	ug/kg	4.9	1		07/03/14 16:44	108-90-7	
Chloroethane	ND	ug/kg	4.9	1		07/03/14 16:44	75-00-3	
Chloroform	ND	ug/kg	4.9	1		07/03/14 16:44	67-66-3	
Chloromethane	ND	ug/kg	4.9	1		07/03/14 16:44	74-87-3	
2-Chlorotoluene	ND	ug/kg	4.9	1		07/03/14 16:44	95-49-8	
4-Chlorotoluene	ND	ug/kg	4.9	1		07/03/14 16:44	106-43-4	
Dibromochloromethane	ND	ug/kg	4.9	1		07/03/14 16:44	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	4.9	1		07/03/14 16:44	106-93-4	
Dibromomethane	ND	ug/kg	4.9	1		07/03/14 16:44	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	4.9	1		07/03/14 16:44	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	4.9	1		07/03/14 16:44	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	4.9	1		07/03/14 16:44	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/kg	97.4	1		07/03/14 16:44	110-57-6	
Dichlorodifluoromethane	ND	ug/kg	4.9	1		07/03/14 16:44	75-71-8	
1,1-Dichloroethane	ND	ug/kg	4.9	1		07/03/14 16:44	75-34-3	
1,2-Dichloroethane	ND	ug/kg	4.9	1		07/03/14 16:44	107-06-2	
1,1-Dichloroethene	ND	ug/kg	4.9	1		07/03/14 16:44	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	4.9	1		07/03/14 16:44	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	4.9	1		07/03/14 16:44	156-60-5	
1,2-Dichloropropane	ND	ug/kg	4.9	1		07/03/14 16:44	78-87-5	
1,3-Dichloropropane	ND	ug/kg	4.9	1		07/03/14 16:44	142-28-9	
2,2-Dichloropropane	ND	ug/kg	4.9	1		07/03/14 16:44	594-20-7	
1,1-Dichloropropene	ND	ug/kg	4.9	1		07/03/14 16:44	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	4.9	1		07/03/14 16:44	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	4.9	1		07/03/14 16:44	10061-02-6	
Ethylbenzene	ND	ug/kg	4.9	1		07/03/14 16:44	100-41-4	
Ethyl methacrylate	ND	ug/kg	97.4	1		07/03/14 16:44	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/kg	4.9	1		07/03/14 16:44	87-68-3	
n-Hexane	ND	ug/kg	4.9	1		07/03/14 16:44	110-54-3	N2
2-Hexanone	ND	ug/kg	97.4	1		07/03/14 16:44	591-78-6	
Iodomethane	ND	ug/kg	97.4	1		07/03/14 16:44	74-88-4	

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ANALYTICAL RESULTS

Project: Sibley - Accucast

Pace Project No.: 5099627

Sample: P-7 (5-7) **Lab ID: 5099627012** Collected: 06/19/14 11:50 Received: 06/20/14 10:42 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 16:44	98-82-8	
p-Isopropyltoluene	ND	ug/kg	4.9	1		07/03/14 16:44	99-87-6	
Methylene Chloride	ND	ug/kg	19.5	1		07/03/14 16:44	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	24.4	1		07/03/14 16:44	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	4.9	1		07/03/14 16:44	1634-04-4	
Naphthalene	ND	ug/kg	4.9	1		07/03/14 16:44	91-20-3	
n-Propylbenzene	ND	ug/kg	4.9	1		07/03/14 16:44	103-65-1	
Styrene	ND	ug/kg	4.9	1		07/03/14 16:44	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	4.9	1		07/03/14 16:44	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	4.9	1		07/03/14 16:44	79-34-5	
Tetrachloroethene	ND	ug/kg	4.9	1		07/03/14 16:44	127-18-4	
Toluene	ND	ug/kg	4.9	1		07/03/14 16:44	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	4.9	1		07/03/14 16:44	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	4.9	1		07/03/14 16:44	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	4.9	1		07/03/14 16:44	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	4.9	1		07/03/14 16:44	79-00-5	
Trichloroethene	ND	ug/kg	4.9	1		07/03/14 16:44	79-01-6	
Trichlorofluoromethane	ND	ug/kg	4.9	1		07/03/14 16:44	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	4.9	1		07/03/14 16:44	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	4.9	1		07/03/14 16:44	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	4.9	1		07/03/14 16:44	108-67-8	
Vinyl acetate	ND	ug/kg	97.4	1		07/03/14 16:44	108-05-4	
Vinyl chloride	ND	ug/kg	4.9	1		07/03/14 16:44	75-01-4	
Xylene (Total)	ND	ug/kg	9.7	1		07/03/14 16:44	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	95 %		85-118	1		07/03/14 16:44	1868-53-7	
Toluene-d8 (S)	102 %		71-128	1		07/03/14 16:44	2037-26-5	
4-Bromofluorobenzene (S)	92 %		56-144	1		07/03/14 16:44	460-00-4	
Percent Moisture		Analytical Method: ASTM D2974-87						
Percent Moisture	14.5 %		0.10	1		06/26/14 09:44		

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ANALYTICAL RESULTS

Project: Sibley - Accucast

Pace Project No.: 5099627

Sample: TMW-3 (8-9) **Lab ID: 5099627014** Collected: 06/19/14 09:00 Received: 06/20/14 10:42 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	06/24/14 11:04	06/27/14 02:45	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/kg	106	1	06/24/14 11:04	06/27/14 02:45	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/kg	106	1	06/24/14 11:04	06/27/14 02:45	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/kg	106	1	06/24/14 11:04	06/27/14 02:45	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/kg	106	1	06/24/14 11:04	06/27/14 02:45	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/kg	106	1	06/24/14 11:04	06/27/14 02:45	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	ug/kg	106	1	06/24/14 11:04	06/27/14 02:45	11096-82-5	
Surrogates								
Tetrachloro-m-xylene (S)	91 %.		30-106	1	06/24/14 11:04	06/27/14 02:45	877-09-8	
6010 MET ICP								
Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Antimony	ND	mg/kg	0.96	1	06/21/14 10:44	06/24/14 10:11	7440-36-0	
Arsenic	1.5	mg/kg	0.96	1	06/21/14 10:44	06/24/14 10:11	7440-38-2	
Chromium	2.3	mg/kg	0.96	1	06/21/14 10:44	06/24/14 10:11	7440-47-3	
Cobalt	ND	mg/kg	0.96	1	06/21/14 10:44	06/24/14 10:11	7440-48-4	
Iron	3250	mg/kg	47.8	1	06/21/14 10:44	06/24/14 10:11	7439-89-6	
Lead	2.6	mg/kg	0.96	1	06/21/14 10:44	06/24/14 10:11	7439-92-1	
Selenium	ND	mg/kg	0.96	1	06/21/14 10:44	06/24/14 10:11	7782-49-2	
Thallium	1.3	mg/kg	0.96	1	06/21/14 10:44	06/24/14 10:11	7440-28-0	
8270 MSSV SHORT LIST MICROWAVE								
Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Acenaphthene	ND	ug/kg	345	1	06/25/14 11:19	06/26/14 01:45	83-32-9	
Acenaphthylene	ND	ug/kg	345	1	06/25/14 11:19	06/26/14 01:45	208-96-8	
Anthracene	ND	ug/kg	345	1	06/25/14 11:19	06/26/14 01:45	120-12-7	
Benzo(a)anthracene	ND	ug/kg	345	1	06/25/14 11:19	06/26/14 01:45	56-55-3	
Benzo(a)pyrene	ND	ug/kg	178	1	06/25/14 11:19	06/26/14 01:45	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	345	1	06/25/14 11:19	06/26/14 01:45	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	345	1	06/25/14 11:19	06/26/14 01:45	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	345	1	06/25/14 11:19	06/26/14 01:45	207-08-9	
Benzyl alcohol	ND	ug/kg	690	1	06/25/14 11:19	06/26/14 01:45	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	345	1	06/25/14 11:19	06/26/14 01:45	101-55-3	
Butylbenzylphthalate	ND	ug/kg	345	1	06/25/14 11:19	06/26/14 01:45	85-68-7	
4-Chloro-3-methylphenol	ND	ug/kg	690	1	06/25/14 11:19	06/26/14 01:45	59-50-7	
4-Chloroaniline	ND	ug/kg	690	1	06/25/14 11:19	06/26/14 01:45	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	345	1	06/25/14 11:19	06/26/14 01:45	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	345	1	06/25/14 11:19	06/26/14 01:45	111-44-4	
bis(2chloro1methylethyl) ether	ND	ug/kg	345	1	06/25/14 11:19	06/26/14 01:45	108-60-1	
2-Chloronaphthalene	ND	ug/kg	345	1	06/25/14 11:19	06/26/14 01:45	91-58-7	
2-Chlorophenol	ND	ug/kg	345	1	06/25/14 11:19	06/26/14 01:45	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	345	1	06/25/14 11:19	06/26/14 01:45	7005-72-3	
Chrysene	ND	ug/kg	345	1	06/25/14 11:19	06/26/14 01:45	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	178	1	06/25/14 11:19	06/26/14 01:45	53-70-3	
Dibenzofuran	ND	ug/kg	345	1	06/25/14 11:19	06/26/14 01:45	132-64-9	
3,3'-Dichlorobenzidine	ND	ug/kg	690	1	06/25/14 11:19	06/26/14 01:45	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	345	1	06/25/14 11:19	06/26/14 01:45	120-83-2	

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ANALYTICAL RESULTS

Project: Sibley - Accucast

Pace Project No.: 5099627

Sample: TMW-3 (8-9) **Lab ID: 5099627014** Collected: 06/19/14 09:00 Received: 06/20/14 10:42 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	345	1	06/25/14 11:19	06/26/14 01:45	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	345	1	06/25/14 11:19	06/26/14 01:45	105-67-9	
Dimethylphthalate	ND	ug/kg	345	1	06/25/14 11:19	06/26/14 01:45	131-11-3	
Di-n-butylphthalate	ND	ug/kg	345	1	06/25/14 11:19	06/26/14 01:45	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	1670	1	06/25/14 11:19	06/26/14 01:45	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	1670	1	06/25/14 11:19	06/26/14 01:45	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	345	1	06/25/14 11:19	06/26/14 01:45	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	345	1	06/25/14 11:19	06/26/14 01:45	606-20-2	
Di-n-octylphthalate	ND	ug/kg	345	1	06/25/14 11:19	06/26/14 01:45	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	345	1	06/25/14 11:19	06/26/14 01:45	117-81-7	
Fluoranthene	ND	ug/kg	345	1	06/25/14 11:19	06/26/14 01:45	206-44-0	
Fluorene	ND	ug/kg	345	1	06/25/14 11:19	06/26/14 01:45	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/kg	345	1	06/25/14 11:19	06/26/14 01:45	87-68-3	
Hexachlorobenzene	ND	ug/kg	345	1	06/25/14 11:19	06/26/14 01:45	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	345	1	06/25/14 11:19	06/26/14 01:45	77-47-4	
Hexachloroethane	ND	ug/kg	345	1	06/25/14 11:19	06/26/14 01:45	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	345	1	06/25/14 11:19	06/26/14 01:45	193-39-5	
Isophorone	ND	ug/kg	345	1	06/25/14 11:19	06/26/14 01:45	78-59-1	
2-Methylnaphthalene	ND	ug/kg	345	1	06/25/14 11:19	06/26/14 01:45	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	345	1	06/25/14 11:19	06/26/14 01:45	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	690	1	06/25/14 11:19	06/26/14 01:45		
Naphthalene	ND	ug/kg	345	1	06/25/14 11:19	06/26/14 01:45	91-20-3	
2-Nitroaniline	ND	ug/kg	1670	1	06/25/14 11:19	06/26/14 01:45	88-74-4	
3-Nitroaniline	ND	ug/kg	1670	1	06/25/14 11:19	06/26/14 01:45	99-09-2	
4-Nitroaniline	ND	ug/kg	1670	1	06/25/14 11:19	06/26/14 01:45	100-01-6	
Nitrobenzene	ND	ug/kg	345	1	06/25/14 11:19	06/26/14 01:45	98-95-3	
2-Nitrophenol	ND	ug/kg	345	1	06/25/14 11:19	06/26/14 01:45	88-75-5	
4-Nitrophenol	ND	ug/kg	1670	1	06/25/14 11:19	06/26/14 01:45	100-02-7	
N-Nitroso-di-n-propylamine	ND	ug/kg	345	1	06/25/14 11:19	06/26/14 01:45	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	345	1	06/25/14 11:19	06/26/14 01:45	86-30-6	
Pentachlorophenol	ND	ug/kg	1670	1	06/25/14 11:19	06/26/14 01:45	87-86-5	
Phenanthrene	ND	ug/kg	345	1	06/25/14 11:19	06/26/14 01:45	85-01-8	
Phenol	ND	ug/kg	345	1	06/25/14 11:19	06/26/14 01:45	108-95-2	
Pyrene	ND	ug/kg	345	1	06/25/14 11:19	06/26/14 01:45	129-00-0	
2,4,5-Trichlorophenol	ND	ug/kg	345	1	06/25/14 11:19	06/26/14 01:45	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	345	1	06/25/14 11:19	06/26/14 01:45	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	64 %.		28-101	1	06/25/14 11:19	06/26/14 01:45	4165-60-0	
2-Fluorobiphenyl (S)	65 %.		31-94	1	06/25/14 11:19	06/26/14 01:45	321-60-8	
p-Terphenyl-d14 (S)	90 %.		26-110	1	06/25/14 11:19	06/26/14 01:45	1718-51-0	
Phenol-d5 (S)	70 %.		28-101	1	06/25/14 11:19	06/26/14 01:45	4165-62-2	
2-Fluorophenol (S)	68 %.		24-104	1	06/25/14 11:19	06/26/14 01:45	367-12-4	
2,4,6-Tribromophenol (S)	75 %.		16-122	1	06/25/14 11:19	06/26/14 01:45	118-79-6	

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ANALYTICAL RESULTS

Project: Sibley - Accucast

Pace Project No.: 5099627

Sample: TMW-3 (8-9) **Lab ID: 5099627014** Collected: 06/19/14 09:00 Received: 06/20/14 10:42 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	96.4	1		07/02/14 20:18	67-64-1	
Acrolein	ND	ug/kg	96.4	1		07/02/14 20:18	107-02-8	
Acrylonitrile	ND	ug/kg	96.4	1		07/02/14 20:18	107-13-1	
Benzene	ND	ug/kg	4.8	1		07/02/14 20:18	71-43-2	
Bromobenzene	ND	ug/kg	4.8	1		07/02/14 20:18	108-86-1	
Bromochloromethane	ND	ug/kg	4.8	1		07/02/14 20:18	74-97-5	
Bromodichloromethane	ND	ug/kg	4.8	1		07/02/14 20:18	75-27-4	
Bromoform	ND	ug/kg	4.8	1		07/02/14 20:18	75-25-2	
Bromomethane	ND	ug/kg	4.8	1		07/02/14 20:18	74-83-9	
2-Butanone (MEK)	ND	ug/kg	24.1	1		07/02/14 20:18	78-93-3	
n-Butylbenzene	ND	ug/kg	4.8	1		07/02/14 20:18	104-51-8	
sec-Butylbenzene	ND	ug/kg	4.8	1		07/02/14 20:18	135-98-8	
tert-Butylbenzene	ND	ug/kg	4.8	1		07/02/14 20:18	98-06-6	
Carbon disulfide	ND	ug/kg	9.6	1		07/02/14 20:18	75-15-0	
Carbon tetrachloride	ND	ug/kg	4.8	1		07/02/14 20:18	56-23-5	
Chlorobenzene	ND	ug/kg	4.8	1		07/02/14 20:18	108-90-7	
Chloroethane	ND	ug/kg	4.8	1		07/02/14 20:18	75-00-3	
Chloroform	ND	ug/kg	4.8	1		07/02/14 20:18	67-66-3	
Chloromethane	ND	ug/kg	4.8	1		07/02/14 20:18	74-87-3	
2-Chlorotoluene	ND	ug/kg	4.8	1		07/02/14 20:18	95-49-8	
4-Chlorotoluene	ND	ug/kg	4.8	1		07/02/14 20:18	106-43-4	
Dibromochloromethane	ND	ug/kg	4.8	1		07/02/14 20:18	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	4.8	1		07/02/14 20:18	106-93-4	
Dibromomethane	ND	ug/kg	4.8	1		07/02/14 20:18	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	4.8	1		07/02/14 20:18	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	4.8	1		07/02/14 20:18	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	4.8	1		07/02/14 20:18	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/kg	96.4	1		07/02/14 20:18	110-57-6	
Dichlorodifluoromethane	ND	ug/kg	4.8	1		07/02/14 20:18	75-71-8	
1,1-Dichloroethane	ND	ug/kg	4.8	1		07/02/14 20:18	75-34-3	
1,2-Dichloroethane	ND	ug/kg	4.8	1		07/02/14 20:18	107-06-2	
1,1-Dichloroethene	ND	ug/kg	4.8	1		07/02/14 20:18	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	4.8	1		07/02/14 20:18	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	4.8	1		07/02/14 20:18	156-60-5	
1,2-Dichloropropane	ND	ug/kg	4.8	1		07/02/14 20:18	78-87-5	
1,3-Dichloropropane	ND	ug/kg	4.8	1		07/02/14 20:18	142-28-9	
2,2-Dichloropropane	ND	ug/kg	4.8	1		07/02/14 20:18	594-20-7	
1,1-Dichloropropene	ND	ug/kg	4.8	1		07/02/14 20:18	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	4.8	1		07/02/14 20:18	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	4.8	1		07/02/14 20:18	10061-02-6	
Ethylbenzene	ND	ug/kg	4.8	1		07/02/14 20:18	100-41-4	
Ethyl methacrylate	ND	ug/kg	96.4	1		07/02/14 20:18	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/kg	4.8	1		07/02/14 20:18	87-68-3	
n-Hexane	ND	ug/kg	4.8	1		07/02/14 20:18	110-54-3	N2
2-Hexanone	ND	ug/kg	96.4	1		07/02/14 20:18	591-78-6	
Iodomethane	ND	ug/kg	96.4	1		07/02/14 20:18	74-88-4	

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ANALYTICAL RESULTS

Project: Sibley - Accucast

Pace Project No.: 5099627

Sample: TMW-3 (8-9) **Lab ID: 5099627014** Collected: 06/19/14 09:00 Received: 06/20/14 10:42 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	4.8	1		07/02/14 20:18	98-82-8	
p-Isopropyltoluene	ND	ug/kg	4.8	1		07/02/14 20:18	99-87-6	
Methylene Chloride	ND	ug/kg	19.3	1		07/02/14 20:18	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	24.1	1		07/02/14 20:18	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	4.8	1		07/02/14 20:18	1634-04-4	
Naphthalene	ND	ug/kg	4.8	1		07/02/14 20:18	91-20-3	
n-Propylbenzene	ND	ug/kg	4.8	1		07/02/14 20:18	103-65-1	
Styrene	ND	ug/kg	4.8	1		07/02/14 20:18	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	4.8	1		07/02/14 20:18	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	4.8	1		07/02/14 20:18	79-34-5	
Tetrachloroethene	ND	ug/kg	4.8	1		07/02/14 20:18	127-18-4	
Toluene	ND	ug/kg	4.8	1		07/02/14 20:18	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	4.8	1		07/02/14 20:18	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	4.8	1		07/02/14 20:18	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	4.8	1		07/02/14 20:18	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	4.8	1		07/02/14 20:18	79-00-5	
Trichloroethene	ND	ug/kg	4.8	1		07/02/14 20:18	79-01-6	
Trichlorofluoromethane	ND	ug/kg	4.8	1		07/02/14 20:18	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	4.8	1		07/02/14 20:18	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	4.8	1		07/02/14 20:18	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	4.8	1		07/02/14 20:18	108-67-8	
Vinyl acetate	ND	ug/kg	96.4	1		07/02/14 20:18	108-05-4	
Vinyl chloride	ND	ug/kg	4.8	1		07/02/14 20:18	75-01-4	
Xylene (Total)	ND	ug/kg	9.6	1		07/02/14 20:18	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	86 %		85-118	1		07/02/14 20:18	1868-53-7	
Toluene-d8 (S)	101 %		71-128	1		07/02/14 20:18	2037-26-5	
4-Bromofluorobenzene (S)	93 %		56-144	1		07/02/14 20:18	460-00-4	
Percent Moisture		Analytical Method: ASTM D2974-87						
Percent Moisture	5.6 %		0.10	1		06/26/14 09:44		

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ANALYTICAL RESULTS

Project: Sibley - Accucast

Pace Project No.: 5099627

Sample: P-9 (2-4) **Lab ID: 5099627015** Collected: 06/19/14 15:00 Received: 06/20/14 10:42 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	123	1	06/24/14 11:04	06/27/14 02:51	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/kg	123	1	06/24/14 11:04	06/27/14 02:51	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/kg	123	1	06/24/14 11:04	06/27/14 02:51	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/kg	123	1	06/24/14 11:04	06/27/14 02:51	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/kg	123	1	06/24/14 11:04	06/27/14 02:51	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/kg	123	1	06/24/14 11:04	06/27/14 02:51	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	ug/kg	123	1	06/24/14 11:04	06/27/14 02:51	11096-82-5	
Surrogates								
Tetrachloro-m-xylene (S)	95 %.		30-106	1	06/24/14 11:04	06/27/14 02:51	877-09-8	
6010 MET ICP								
Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Antimony	ND	mg/kg	1.1	1	06/21/14 10:44	06/24/14 10:13	7440-36-0	
Arsenic	4.8	mg/kg	1.1	1	06/21/14 10:44	06/24/14 10:13	7440-38-2	
Chromium	10.3	mg/kg	1.1	1	06/21/14 10:44	06/24/14 10:13	7440-47-3	
Cobalt	10.6	mg/kg	1.1	1	06/21/14 10:44	06/24/14 10:13	7440-48-4	
Iron	11500	mg/kg	52.6	1	06/21/14 10:44	06/24/14 10:13	7439-89-6	
Lead	9.0	mg/kg	1.1	1	06/21/14 10:44	06/24/14 10:13	7439-92-1	
Selenium	ND	mg/kg	1.1	1	06/21/14 10:44	06/24/14 10:13	7782-49-2	
Thallium	3.3	mg/kg	1.1	1	06/21/14 10:44	06/24/14 10:13	7440-28-0	
8270 MSSV SHORT LIST MICROWAVE								
Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Acenaphthene	ND	ug/kg	404	1	06/25/14 11:19	06/26/14 02:07	83-32-9	
Acenaphthylene	ND	ug/kg	404	1	06/25/14 11:19	06/26/14 02:07	208-96-8	
Anthracene	ND	ug/kg	404	1	06/25/14 11:19	06/26/14 02:07	120-12-7	
Benzo(a)anthracene	ND	ug/kg	404	1	06/25/14 11:19	06/26/14 02:07	56-55-3	
Benzo(a)pyrene	ND	ug/kg	208	1	06/25/14 11:19	06/26/14 02:07	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	404	1	06/25/14 11:19	06/26/14 02:07	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	404	1	06/25/14 11:19	06/26/14 02:07	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	404	1	06/25/14 11:19	06/26/14 02:07	207-08-9	
Benzyl alcohol	ND	ug/kg	809	1	06/25/14 11:19	06/26/14 02:07	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	404	1	06/25/14 11:19	06/26/14 02:07	101-55-3	
Butylbenzylphthalate	ND	ug/kg	404	1	06/25/14 11:19	06/26/14 02:07	85-68-7	
4-Chloro-3-methylphenol	ND	ug/kg	809	1	06/25/14 11:19	06/26/14 02:07	59-50-7	
4-Chloroaniline	ND	ug/kg	809	1	06/25/14 11:19	06/26/14 02:07	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	404	1	06/25/14 11:19	06/26/14 02:07	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	404	1	06/25/14 11:19	06/26/14 02:07	111-44-4	
bis(2chloro1methylethyl) ether	ND	ug/kg	404	1	06/25/14 11:19	06/26/14 02:07	108-60-1	
2-Chloronaphthalene	ND	ug/kg	404	1	06/25/14 11:19	06/26/14 02:07	91-58-7	
2-Chlorophenol	ND	ug/kg	404	1	06/25/14 11:19	06/26/14 02:07	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	404	1	06/25/14 11:19	06/26/14 02:07	7005-72-3	
Chrysene	ND	ug/kg	404	1	06/25/14 11:19	06/26/14 02:07	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	208	1	06/25/14 11:19	06/26/14 02:07	53-70-3	
Dibenzofuran	ND	ug/kg	404	1	06/25/14 11:19	06/26/14 02:07	132-64-9	
3,3'-Dichlorobenzidine	ND	ug/kg	809	1	06/25/14 11:19	06/26/14 02:07	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	404	1	06/25/14 11:19	06/26/14 02:07	120-83-2	

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ANALYTICAL RESULTS

Project: Sibley - Accucast

Pace Project No.: 5099627

Sample: P-9 (2-4) Lab ID: 5099627015 Collected: 06/19/14 15:00 Received: 06/20/14 10:42 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	404	1	06/25/14 11:19	06/26/14 02:07	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	404	1	06/25/14 11:19	06/26/14 02:07	105-67-9	
Dimethylphthalate	ND	ug/kg	404	1	06/25/14 11:19	06/26/14 02:07	131-11-3	
Di-n-butylphthalate	ND	ug/kg	404	1	06/25/14 11:19	06/26/14 02:07	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	1960	1	06/25/14 11:19	06/26/14 02:07	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	1960	1	06/25/14 11:19	06/26/14 02:07	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	404	1	06/25/14 11:19	06/26/14 02:07	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	404	1	06/25/14 11:19	06/26/14 02:07	606-20-2	
Di-n-octylphthalate	ND	ug/kg	404	1	06/25/14 11:19	06/26/14 02:07	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	404	1	06/25/14 11:19	06/26/14 02:07	117-81-7	
Fluoranthene	ND	ug/kg	404	1	06/25/14 11:19	06/26/14 02:07	206-44-0	
Fluorene	ND	ug/kg	404	1	06/25/14 11:19	06/26/14 02:07	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/kg	404	1	06/25/14 11:19	06/26/14 02:07	87-68-3	
Hexachlorobenzene	ND	ug/kg	404	1	06/25/14 11:19	06/26/14 02:07	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	404	1	06/25/14 11:19	06/26/14 02:07	77-47-4	
Hexachloroethane	ND	ug/kg	404	1	06/25/14 11:19	06/26/14 02:07	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	404	1	06/25/14 11:19	06/26/14 02:07	193-39-5	
Isophorone	ND	ug/kg	404	1	06/25/14 11:19	06/26/14 02:07	78-59-1	
2-Methylnaphthalene	ND	ug/kg	404	1	06/25/14 11:19	06/26/14 02:07	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	404	1	06/25/14 11:19	06/26/14 02:07	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	809	1	06/25/14 11:19	06/26/14 02:07		
Naphthalene	ND	ug/kg	404	1	06/25/14 11:19	06/26/14 02:07	91-20-3	
2-Nitroaniline	ND	ug/kg	1960	1	06/25/14 11:19	06/26/14 02:07	88-74-4	
3-Nitroaniline	ND	ug/kg	1960	1	06/25/14 11:19	06/26/14 02:07	99-09-2	
4-Nitroaniline	ND	ug/kg	1960	1	06/25/14 11:19	06/26/14 02:07	100-01-6	
Nitrobenzene	ND	ug/kg	404	1	06/25/14 11:19	06/26/14 02:07	98-95-3	
2-Nitrophenol	ND	ug/kg	404	1	06/25/14 11:19	06/26/14 02:07	88-75-5	
4-Nitrophenol	ND	ug/kg	1960	1	06/25/14 11:19	06/26/14 02:07	100-02-7	
N-Nitroso-di-n-propylamine	ND	ug/kg	404	1	06/25/14 11:19	06/26/14 02:07	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	404	1	06/25/14 11:19	06/26/14 02:07	86-30-6	
Pentachlorophenol	ND	ug/kg	1960	1	06/25/14 11:19	06/26/14 02:07	87-86-5	
Phenanthrene	ND	ug/kg	404	1	06/25/14 11:19	06/26/14 02:07	85-01-8	
Phenol	ND	ug/kg	404	1	06/25/14 11:19	06/26/14 02:07	108-95-2	
Pyrene	ND	ug/kg	404	1	06/25/14 11:19	06/26/14 02:07	129-00-0	
2,4,5-Trichlorophenol	ND	ug/kg	404	1	06/25/14 11:19	06/26/14 02:07	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	404	1	06/25/14 11:19	06/26/14 02:07	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	62 %.		28-101	1	06/25/14 11:19	06/26/14 02:07	4165-60-0	
2-Fluorobiphenyl (S)	61 %.		31-94	1	06/25/14 11:19	06/26/14 02:07	321-60-8	
p-Terphenyl-d14 (S)	89 %.		26-110	1	06/25/14 11:19	06/26/14 02:07	1718-51-0	
Phenol-d5 (S)	70 %.		28-101	1	06/25/14 11:19	06/26/14 02:07	4165-62-2	
2-Fluorophenol (S)	66 %.		24-104	1	06/25/14 11:19	06/26/14 02:07	367-12-4	
2,4,6-Tribromophenol (S)	67 %.		16-122	1	06/25/14 11:19	06/26/14 02:07	118-79-6	

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ANALYTICAL RESULTS

Project: Sibley - Accucast

Pace Project No.: 5099627

Sample: P-9 (2-4) **Lab ID: 5099627015** Collected: 06/19/14 15:00 Received: 06/20/14 10:42 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	106	1		07/02/14 20:51	67-64-1	
Acrolein	ND	ug/kg	106	1		07/02/14 20:51	107-02-8	
Acrylonitrile	ND	ug/kg	106	1		07/02/14 20:51	107-13-1	
Benzene	ND	ug/kg	5.3	1		07/02/14 20:51	71-43-2	
Bromobenzene	ND	ug/kg	5.3	1		07/02/14 20:51	108-86-1	
Bromochloromethane	ND	ug/kg	5.3	1		07/02/14 20:51	74-97-5	
Bromodichloromethane	ND	ug/kg	5.3	1		07/02/14 20:51	75-27-4	
Bromoform	ND	ug/kg	5.3	1		07/02/14 20:51	75-25-2	
Bromomethane	ND	ug/kg	5.3	1		07/02/14 20:51	74-83-9	
2-Butanone (MEK)	ND	ug/kg	26.5	1		07/02/14 20:51	78-93-3	
n-Butylbenzene	ND	ug/kg	5.3	1		07/02/14 20:51	104-51-8	
sec-Butylbenzene	ND	ug/kg	5.3	1		07/02/14 20:51	135-98-8	
tert-Butylbenzene	ND	ug/kg	5.3	1		07/02/14 20:51	98-06-6	
Carbon disulfide	ND	ug/kg	10.6	1		07/02/14 20:51	75-15-0	
Carbon tetrachloride	ND	ug/kg	5.3	1		07/02/14 20:51	56-23-5	
Chlorobenzene	ND	ug/kg	5.3	1		07/02/14 20:51	108-90-7	
Chloroethane	ND	ug/kg	5.3	1		07/02/14 20:51	75-00-3	
Chloroform	ND	ug/kg	5.3	1		07/02/14 20:51	67-66-3	
Chloromethane	ND	ug/kg	5.3	1		07/02/14 20:51	74-87-3	
2-Chlorotoluene	ND	ug/kg	5.3	1		07/02/14 20:51	95-49-8	
4-Chlorotoluene	ND	ug/kg	5.3	1		07/02/14 20:51	106-43-4	
Dibromochloromethane	ND	ug/kg	5.3	1		07/02/14 20:51	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	5.3	1		07/02/14 20:51	106-93-4	
Dibromomethane	ND	ug/kg	5.3	1		07/02/14 20:51	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	5.3	1		07/02/14 20:51	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	5.3	1		07/02/14 20:51	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	5.3	1		07/02/14 20:51	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/kg	106	1		07/02/14 20:51	110-57-6	
Dichlorodifluoromethane	ND	ug/kg	5.3	1		07/02/14 20:51	75-71-8	
1,1-Dichloroethane	ND	ug/kg	5.3	1		07/02/14 20:51	75-34-3	
1,2-Dichloroethane	ND	ug/kg	5.3	1		07/02/14 20:51	107-06-2	
1,1-Dichloroethene	ND	ug/kg	5.3	1		07/02/14 20:51	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	5.3	1		07/02/14 20:51	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	5.3	1		07/02/14 20:51	156-60-5	
1,2-Dichloropropane	ND	ug/kg	5.3	1		07/02/14 20:51	78-87-5	
1,3-Dichloropropane	ND	ug/kg	5.3	1		07/02/14 20:51	142-28-9	
2,2-Dichloropropane	ND	ug/kg	5.3	1		07/02/14 20:51	594-20-7	
1,1-Dichloropropene	ND	ug/kg	5.3	1		07/02/14 20:51	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	5.3	1		07/02/14 20:51	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	5.3	1		07/02/14 20:51	10061-02-6	
Ethylbenzene	ND	ug/kg	5.3	1		07/02/14 20:51	100-41-4	
Ethyl methacrylate	ND	ug/kg	106	1		07/02/14 20:51	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/kg	5.3	1		07/02/14 20:51	87-68-3	
n-Hexane	ND	ug/kg	5.3	1		07/02/14 20:51	110-54-3	N2
2-Hexanone	ND	ug/kg	106	1		07/02/14 20:51	591-78-6	
Iodomethane	ND	ug/kg	106	1		07/02/14 20:51	74-88-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Sibley - Accucast
Pace Project No.: 5099627

Sample: P-9 (2-4) **Lab ID: 5099627015** Collected: 06/19/14 15:00 Received: 06/20/14 10:42 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	5.3	1		07/02/14 20:51	98-82-8	
p-Isopropyltoluene	ND	ug/kg	5.3	1		07/02/14 20:51	99-87-6	
Methylene Chloride	ND	ug/kg	21.2	1		07/02/14 20:51	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	26.5	1		07/02/14 20:51	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	5.3	1		07/02/14 20:51	1634-04-4	
Naphthalene	ND	ug/kg	5.3	1		07/02/14 20:51	91-20-3	
n-Propylbenzene	ND	ug/kg	5.3	1		07/02/14 20:51	103-65-1	
Styrene	ND	ug/kg	5.3	1		07/02/14 20:51	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	5.3	1		07/02/14 20:51	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	5.3	1		07/02/14 20:51	79-34-5	
Tetrachloroethene	ND	ug/kg	5.3	1		07/02/14 20:51	127-18-4	
Toluene	ND	ug/kg	5.3	1		07/02/14 20:51	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	5.3	1		07/02/14 20:51	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	5.3	1		07/02/14 20:51	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	5.3	1		07/02/14 20:51	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	5.3	1		07/02/14 20:51	79-00-5	
Trichloroethene	ND	ug/kg	5.3	1		07/02/14 20:51	79-01-6	
Trichlorofluoromethane	ND	ug/kg	5.3	1		07/02/14 20:51	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	5.3	1		07/02/14 20:51	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	5.3	1		07/02/14 20:51	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	5.3	1		07/02/14 20:51	108-67-8	
Vinyl acetate	ND	ug/kg	106	1		07/02/14 20:51	108-05-4	
Vinyl chloride	ND	ug/kg	5.3	1		07/02/14 20:51	75-01-4	
Xylene (Total)	ND	ug/kg	10.6	1		07/02/14 20:51	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	89 %		85-118	1		07/02/14 20:51	1868-53-7	
Toluene-d8 (S)	101 %		71-128	1		07/02/14 20:51	2037-26-5	
4-Bromofluorobenzene (S)	94 %		56-144	1		07/02/14 20:51	460-00-4	
Percent Moisture		Analytical Method: ASTM D2974-87						
Percent Moisture	18.7 %		0.10	1		06/26/14 09:44		

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ANALYTICAL RESULTS

Project: Sibley - Accucast

Pace Project No.: 5099627

Sample: P-3 (8-10) **Lab ID: 5099627016** Collected: 06/19/14 09:55 Received: 06/20/14 10:42 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	06/24/14 11:04	06/27/14 02:56	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/kg	115	1	06/24/14 11:04	06/27/14 02:56	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/kg	115	1	06/24/14 11:04	06/27/14 02:56	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/kg	115	1	06/24/14 11:04	06/27/14 02:56	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/kg	115	1	06/24/14 11:04	06/27/14 02:56	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/kg	115	1	06/24/14 11:04	06/27/14 02:56	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	ug/kg	115	1	06/24/14 11:04	06/27/14 02:56	11096-82-5	
Surrogates								
Tetrachloro-m-xylene (S)	81 %		30-106	1	06/24/14 11:04	06/27/14 02:56	877-09-8	
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3050						
Antimony	ND	mg/kg	1.0	1	06/21/14 10:44	06/24/14 10:15	7440-36-0	
Arsenic	8.9	mg/kg	1.0	1	06/21/14 10:44	06/24/14 10:15	7440-38-2	
Chromium	8.0	mg/kg	1.0	1	06/21/14 10:44	06/24/14 10:15	7440-47-3	
Cobalt	3.4	mg/kg	1.0	1	06/21/14 10:44	06/24/14 10:15	7440-48-4	
Iron	18100	mg/kg	51.2	1	06/21/14 10:44	06/24/14 10:15	7439-89-6	
Lead	16.7	mg/kg	1.0	1	06/21/14 10:44	06/24/14 10:15	7439-92-1	
Selenium	ND	mg/kg	1.0	1	06/21/14 10:44	06/24/14 10:15	7782-49-2	
Thallium	2.9	mg/kg	1.0	1	06/21/14 10:44	06/24/14 10:15	7440-28-0	
8270 MSSV SHORT LIST MICROWAVE		Analytical Method: EPA 8270 Preparation Method: EPA 3546						
Acenaphthene	ND	ug/kg	377	1	06/25/14 11:19	06/26/14 02:30	83-32-9	
Acenaphthylene	ND	ug/kg	377	1	06/25/14 11:19	06/26/14 02:30	208-96-8	
Anthracene	ND	ug/kg	377	1	06/25/14 11:19	06/26/14 02:30	120-12-7	
Benzo(a)anthracene	ND	ug/kg	377	1	06/25/14 11:19	06/26/14 02:30	56-55-3	
Benzo(a)pyrene	ND	ug/kg	194	1	06/25/14 11:19	06/26/14 02:30	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	377	1	06/25/14 11:19	06/26/14 02:30	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	377	1	06/25/14 11:19	06/26/14 02:30	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	377	1	06/25/14 11:19	06/26/14 02:30	207-08-9	
Benzyl alcohol	ND	ug/kg	754	1	06/25/14 11:19	06/26/14 02:30	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	377	1	06/25/14 11:19	06/26/14 02:30	101-55-3	
Butylbenzylphthalate	ND	ug/kg	377	1	06/25/14 11:19	06/26/14 02:30	85-68-7	
4-Chloro-3-methylphenol	ND	ug/kg	754	1	06/25/14 11:19	06/26/14 02:30	59-50-7	
4-Chloroaniline	ND	ug/kg	754	1	06/25/14 11:19	06/26/14 02:30	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	377	1	06/25/14 11:19	06/26/14 02:30	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	377	1	06/25/14 11:19	06/26/14 02:30	111-44-4	
bis(2chloro1methylethyl) ether	ND	ug/kg	377	1	06/25/14 11:19	06/26/14 02:30	108-60-1	
2-Chloronaphthalene	ND	ug/kg	377	1	06/25/14 11:19	06/26/14 02:30	91-58-7	
2-Chlorophenol	ND	ug/kg	377	1	06/25/14 11:19	06/26/14 02:30	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	377	1	06/25/14 11:19	06/26/14 02:30	7005-72-3	
Chrysene	ND	ug/kg	377	1	06/25/14 11:19	06/26/14 02:30	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	194	1	06/25/14 11:19	06/26/14 02:30	53-70-3	
Dibenzofuran	ND	ug/kg	377	1	06/25/14 11:19	06/26/14 02:30	132-64-9	
3,3'-Dichlorobenzidine	ND	ug/kg	754	1	06/25/14 11:19	06/26/14 02:30	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	377	1	06/25/14 11:19	06/26/14 02:30	120-83-2	

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ANALYTICAL RESULTS

Project: Sibley - Accucast

Pace Project No.: 5099627

Sample: P-3 (8-10) **Lab ID: 5099627016** Collected: 06/19/14 09:55 Received: 06/20/14 10:42 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		377	1	06/25/14 11:19	06/26/14 02:30	84-66-2	
2,4-Dimethylphenol	ND ug/kg		377	1	06/25/14 11:19	06/26/14 02:30	105-67-9	
Dimethylphthalate	ND ug/kg		377	1	06/25/14 11:19	06/26/14 02:30	131-11-3	
Di-n-butylphthalate	ND ug/kg		377	1	06/25/14 11:19	06/26/14 02:30	84-74-2	
4,6-Dinitro-2-methylphenol	ND ug/kg		1830	1	06/25/14 11:19	06/26/14 02:30	534-52-1	
2,4-Dinitrophenol	ND ug/kg		1830	1	06/25/14 11:19	06/26/14 02:30	51-28-5	
2,4-Dinitrotoluene	ND ug/kg		377	1	06/25/14 11:19	06/26/14 02:30	121-14-2	
2,6-Dinitrotoluene	ND ug/kg		377	1	06/25/14 11:19	06/26/14 02:30	606-20-2	
Di-n-octylphthalate	ND ug/kg		377	1	06/25/14 11:19	06/26/14 02:30	117-84-0	
bis(2-Ethylhexyl)phthalate	ND ug/kg		377	1	06/25/14 11:19	06/26/14 02:30	117-81-7	
Fluoranthene	ND ug/kg		377	1	06/25/14 11:19	06/26/14 02:30	206-44-0	
Fluorene	ND ug/kg		377	1	06/25/14 11:19	06/26/14 02:30	86-73-7	
Hexachloro-1,3-butadiene	ND ug/kg		377	1	06/25/14 11:19	06/26/14 02:30	87-68-3	
Hexachlorobenzene	ND ug/kg		377	1	06/25/14 11:19	06/26/14 02:30	118-74-1	
Hexachlorocyclopentadiene	ND ug/kg		377	1	06/25/14 11:19	06/26/14 02:30	77-47-4	
Hexachloroethane	ND ug/kg		377	1	06/25/14 11:19	06/26/14 02:30	67-72-1	
Indeno(1,2,3-cd)pyrene	ND ug/kg		377	1	06/25/14 11:19	06/26/14 02:30	193-39-5	
Isophorone	ND ug/kg		377	1	06/25/14 11:19	06/26/14 02:30	78-59-1	
2-Methylnaphthalene	ND ug/kg		377	1	06/25/14 11:19	06/26/14 02:30	91-57-6	
2-Methylphenol(o-Cresol)	ND ug/kg		377	1	06/25/14 11:19	06/26/14 02:30	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND ug/kg		754	1	06/25/14 11:19	06/26/14 02:30		
Naphthalene	ND ug/kg		377	1	06/25/14 11:19	06/26/14 02:30	91-20-3	
2-Nitroaniline	ND ug/kg		1830	1	06/25/14 11:19	06/26/14 02:30	88-74-4	
3-Nitroaniline	ND ug/kg		1830	1	06/25/14 11:19	06/26/14 02:30	99-09-2	
4-Nitroaniline	ND ug/kg		1830	1	06/25/14 11:19	06/26/14 02:30	100-01-6	
Nitrobenzene	ND ug/kg		377	1	06/25/14 11:19	06/26/14 02:30	98-95-3	
2-Nitrophenol	ND ug/kg		377	1	06/25/14 11:19	06/26/14 02:30	88-75-5	
4-Nitrophenol	ND ug/kg		1830	1	06/25/14 11:19	06/26/14 02:30	100-02-7	
N-Nitroso-di-n-propylamine	ND ug/kg		377	1	06/25/14 11:19	06/26/14 02:30	621-64-7	
N-Nitrosodiphenylamine	ND ug/kg		377	1	06/25/14 11:19	06/26/14 02:30	86-30-6	
Pentachlorophenol	ND ug/kg		1830	1	06/25/14 11:19	06/26/14 02:30	87-86-5	
Phenanthrene	ND ug/kg		377	1	06/25/14 11:19	06/26/14 02:30	85-01-8	
Phenol	ND ug/kg		377	1	06/25/14 11:19	06/26/14 02:30	108-95-2	
Pyrene	ND ug/kg		377	1	06/25/14 11:19	06/26/14 02:30	129-00-0	
2,4,5-Trichlorophenol	ND ug/kg		377	1	06/25/14 11:19	06/26/14 02:30	95-95-4	
2,4,6-Trichlorophenol	ND ug/kg		377	1	06/25/14 11:19	06/26/14 02:30	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	65 %.		28-101	1	06/25/14 11:19	06/26/14 02:30	4165-60-0	
2-Fluorobiphenyl (S)	65 %.		31-94	1	06/25/14 11:19	06/26/14 02:30	321-60-8	
p-Terphenyl-d14 (S)	89 %.		26-110	1	06/25/14 11:19	06/26/14 02:30	1718-51-0	
Phenol-d5 (S)	73 %.		28-101	1	06/25/14 11:19	06/26/14 02:30	4165-62-2	
2-Fluorophenol (S)	69 %.		24-104	1	06/25/14 11:19	06/26/14 02:30	367-12-4	
2,4,6-Tribromophenol (S)	76 %.		16-122	1	06/25/14 11:19	06/26/14 02:30	118-79-6	

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ANALYTICAL RESULTS

Project: Sibley - Accucast

Pace Project No.: 5099627

Sample: P-3 (8-10) **Lab ID: 5099627016** Collected: 06/19/14 09:55 Received: 06/20/14 10:42 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	101	1		07/03/14 15:36	67-64-1	
Acrolein	ND	ug/kg	101	1		07/03/14 15:36	107-02-8	
Acrylonitrile	ND	ug/kg	101	1		07/03/14 15:36	107-13-1	
Benzene	ND	ug/kg	5.1	1		07/03/14 15:36	71-43-2	
Bromobenzene	ND	ug/kg	5.1	1		07/03/14 15:36	108-86-1	
Bromochloromethane	ND	ug/kg	5.1	1		07/03/14 15:36	74-97-5	
Bromodichloromethane	ND	ug/kg	5.1	1		07/03/14 15:36	75-27-4	
Bromoform	ND	ug/kg	5.1	1		07/03/14 15:36	75-25-2	
Bromomethane	ND	ug/kg	5.1	1		07/03/14 15:36	74-83-9	
2-Butanone (MEK)	ND	ug/kg	25.3	1		07/03/14 15:36	78-93-3	
n-Butylbenzene	ND	ug/kg	5.1	1		07/03/14 15:36	104-51-8	
sec-Butylbenzene	ND	ug/kg	5.1	1		07/03/14 15:36	135-98-8	
tert-Butylbenzene	ND	ug/kg	5.1	1		07/03/14 15:36	98-06-6	
Carbon disulfide	ND	ug/kg	10.1	1		07/03/14 15:36	75-15-0	
Carbon tetrachloride	ND	ug/kg	5.1	1		07/03/14 15:36	56-23-5	
Chlorobenzene	ND	ug/kg	5.1	1		07/03/14 15:36	108-90-7	
Chloroethane	ND	ug/kg	5.1	1		07/03/14 15:36	75-00-3	
Chloroform	ND	ug/kg	5.1	1		07/03/14 15:36	67-66-3	
Chloromethane	ND	ug/kg	5.1	1		07/03/14 15:36	74-87-3	
2-Chlorotoluene	ND	ug/kg	5.1	1		07/03/14 15:36	95-49-8	
4-Chlorotoluene	ND	ug/kg	5.1	1		07/03/14 15:36	106-43-4	
Dibromochloromethane	ND	ug/kg	5.1	1		07/03/14 15:36	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	5.1	1		07/03/14 15:36	106-93-4	
Dibromomethane	ND	ug/kg	5.1	1		07/03/14 15:36	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	5.1	1		07/03/14 15:36	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	5.1	1		07/03/14 15:36	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	5.1	1		07/03/14 15:36	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/kg	101	1		07/03/14 15:36	110-57-6	
Dichlorodifluoromethane	ND	ug/kg	5.1	1		07/03/14 15:36	75-71-8	
1,1-Dichloroethane	ND	ug/kg	5.1	1		07/03/14 15:36	75-34-3	
1,2-Dichloroethane	ND	ug/kg	5.1	1		07/03/14 15:36	107-06-2	
1,1-Dichloroethene	ND	ug/kg	5.1	1		07/03/14 15:36	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	5.1	1		07/03/14 15:36	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	5.1	1		07/03/14 15:36	156-60-5	
1,2-Dichloropropane	ND	ug/kg	5.1	1		07/03/14 15:36	78-87-5	
1,3-Dichloropropane	ND	ug/kg	5.1	1		07/03/14 15:36	142-28-9	
2,2-Dichloropropane	ND	ug/kg	5.1	1		07/03/14 15:36	594-20-7	
1,1-Dichloropropene	ND	ug/kg	5.1	1		07/03/14 15:36	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	5.1	1		07/03/14 15:36	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	5.1	1		07/03/14 15:36	10061-02-6	
Ethylbenzene	ND	ug/kg	5.1	1		07/03/14 15:36	100-41-4	
Ethyl methacrylate	ND	ug/kg	101	1		07/03/14 15:36	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/kg	5.1	1		07/03/14 15:36	87-68-3	
n-Hexane	ND	ug/kg	5.1	1		07/03/14 15:36	110-54-3	N2
2-Hexanone	ND	ug/kg	101	1		07/03/14 15:36	591-78-6	
Iodomethane	ND	ug/kg	101	1		07/03/14 15:36	74-88-4	

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ANALYTICAL RESULTS

Project: Sibley - Accucast

Pace Project No.: 5099627

Sample: P-3 (8-10) **Lab ID: 5099627016** Collected: 06/19/14 09:55 Received: 06/20/14 10:42 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		07/03/14 15:36	98-82-8	
p-Isopropyltoluene	ND	ug/kg	5.1	1		07/03/14 15:36	99-87-6	
Methylene Chloride	ND	ug/kg	20.2	1		07/03/14 15:36	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	25.3	1		07/03/14 15:36	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	5.1	1		07/03/14 15:36	1634-04-4	
Naphthalene	ND	ug/kg	5.1	1		07/03/14 15:36	91-20-3	
n-Propylbenzene	ND	ug/kg	5.1	1		07/03/14 15:36	103-65-1	
Styrene	ND	ug/kg	5.1	1		07/03/14 15:36	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	5.1	1		07/03/14 15:36	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	5.1	1		07/03/14 15:36	79-34-5	
Tetrachloroethene	ND	ug/kg	5.1	1		07/03/14 15:36	127-18-4	
Toluene	ND	ug/kg	5.1	1		07/03/14 15:36	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	5.1	1		07/03/14 15:36	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	5.1	1		07/03/14 15:36	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	5.1	1		07/03/14 15:36	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	5.1	1		07/03/14 15:36	79-00-5	
Trichloroethene	ND	ug/kg	5.1	1		07/03/14 15:36	79-01-6	
Trichlorofluoromethane	ND	ug/kg	5.1	1		07/03/14 15:36	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	5.1	1		07/03/14 15:36	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	5.1	1		07/03/14 15:36	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	5.1	1		07/03/14 15:36	108-67-8	
Vinyl acetate	ND	ug/kg	101	1		07/03/14 15:36	108-05-4	
Vinyl chloride	ND	ug/kg	5.1	1		07/03/14 15:36	75-01-4	
Xylene (Total)	ND	ug/kg	10.1	1		07/03/14 15:36	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	97 %		85-118	1		07/03/14 15:36	1868-53-7	
Toluene-d8 (S)	103 %		71-128	1		07/03/14 15:36	2037-26-5	
4-Bromofluorobenzene (S)	94 %		56-144	1		07/03/14 15:36	460-00-4	
Percent Moisture		Analytical Method: ASTM D2974-87						
Percent Moisture	13.3 %		0.10	1		06/26/14 09:44		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Sibley - Accucast

Pace Project No.: 5099627

Sample: P-9 (13-15) **Lab ID: 5099627017** Collected: 06/19/14 15:10 Received: 06/20/14 10:42 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	117	1	06/24/14 11:04	06/27/14 03:02	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/kg	117	1	06/24/14 11:04	06/27/14 03:02	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/kg	117	1	06/24/14 11:04	06/27/14 03:02	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/kg	117	1	06/24/14 11:04	06/27/14 03:02	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/kg	117	1	06/24/14 11:04	06/27/14 03:02	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/kg	117	1	06/24/14 11:04	06/27/14 03:02	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	ug/kg	117	1	06/24/14 11:04	06/27/14 03:02	11096-82-5	
Surrogates								
Tetrachloro-m-xylene (S)	95 %.		30-106	1	06/24/14 11:04	06/27/14 03:02	877-09-8	
6010 MET ICP								
Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Antimony	ND	mg/kg	1.0	1	06/21/14 10:44	06/24/14 10:21	7440-36-0	
Arsenic	3.1	mg/kg	1.0	1	06/21/14 10:44	06/24/14 10:21	7440-38-2	
Chromium	4.6	mg/kg	1.0	1	06/21/14 10:44	06/24/14 10:21	7440-47-3	
Cobalt	2.7	mg/kg	1.0	1	06/21/14 10:44	06/24/14 10:21	7440-48-4	
Iron	5050	mg/kg	51.5	1	06/21/14 10:44	06/24/14 10:21	7439-89-6	
Lead	4.9	mg/kg	1.0	1	06/21/14 10:44	06/24/14 10:21	7439-92-1	
Selenium	ND	mg/kg	1.0	1	06/21/14 10:44	06/24/14 10:21	7782-49-2	
Thallium	2.2	mg/kg	1.0	1	06/21/14 10:44	06/24/14 10:21	7440-28-0	
8270 MSSV SHORT LIST MICROWAVE								
Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Acenaphthene	ND	ug/kg	382	1	06/25/14 11:19	06/26/14 02:53	83-32-9	
Acenaphthylene	ND	ug/kg	382	1	06/25/14 11:19	06/26/14 02:53	208-96-8	
Anthracene	ND	ug/kg	382	1	06/25/14 11:19	06/26/14 02:53	120-12-7	
Benzo(a)anthracene	ND	ug/kg	382	1	06/25/14 11:19	06/26/14 02:53	56-55-3	
Benzo(a)pyrene	ND	ug/kg	197	1	06/25/14 11:19	06/26/14 02:53	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	382	1	06/25/14 11:19	06/26/14 02:53	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	382	1	06/25/14 11:19	06/26/14 02:53	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	382	1	06/25/14 11:19	06/26/14 02:53	207-08-9	
Benzyl alcohol	ND	ug/kg	764	1	06/25/14 11:19	06/26/14 02:53	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	382	1	06/25/14 11:19	06/26/14 02:53	101-55-3	
Butylbenzylphthalate	ND	ug/kg	382	1	06/25/14 11:19	06/26/14 02:53	85-68-7	
4-Chloro-3-methylphenol	ND	ug/kg	764	1	06/25/14 11:19	06/26/14 02:53	59-50-7	
4-Chloroaniline	ND	ug/kg	764	1	06/25/14 11:19	06/26/14 02:53	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	382	1	06/25/14 11:19	06/26/14 02:53	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	382	1	06/25/14 11:19	06/26/14 02:53	111-44-4	
bis(2chloro1methylethyl) ether	ND	ug/kg	382	1	06/25/14 11:19	06/26/14 02:53	108-60-1	
2-Chloronaphthalene	ND	ug/kg	382	1	06/25/14 11:19	06/26/14 02:53	91-58-7	
2-Chlorophenol	ND	ug/kg	382	1	06/25/14 11:19	06/26/14 02:53	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	382	1	06/25/14 11:19	06/26/14 02:53	7005-72-3	
Chrysene	ND	ug/kg	382	1	06/25/14 11:19	06/26/14 02:53	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	197	1	06/25/14 11:19	06/26/14 02:53	53-70-3	
Dibenzofuran	ND	ug/kg	382	1	06/25/14 11:19	06/26/14 02:53	132-64-9	
3,3'-Dichlorobenzidine	ND	ug/kg	764	1	06/25/14 11:19	06/26/14 02:53	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	382	1	06/25/14 11:19	06/26/14 02:53	120-83-2	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Sibley - Accucast

Pace Project No.: 5099627

Sample: P-9 (13-15) **Lab ID: 5099627017** Collected: 06/19/14 15:10 Received: 06/20/14 10:42 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	382	1	06/25/14 11:19	06/26/14 02:53	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	382	1	06/25/14 11:19	06/26/14 02:53	105-67-9	
Dimethylphthalate	ND	ug/kg	382	1	06/25/14 11:19	06/26/14 02:53	131-11-3	
Di-n-butylphthalate	ND	ug/kg	382	1	06/25/14 11:19	06/26/14 02:53	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	1850	1	06/25/14 11:19	06/26/14 02:53	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	1850	1	06/25/14 11:19	06/26/14 02:53	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	382	1	06/25/14 11:19	06/26/14 02:53	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	382	1	06/25/14 11:19	06/26/14 02:53	606-20-2	
Di-n-octylphthalate	ND	ug/kg	382	1	06/25/14 11:19	06/26/14 02:53	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	382	1	06/25/14 11:19	06/26/14 02:53	117-81-7	
Fluoranthene	ND	ug/kg	382	1	06/25/14 11:19	06/26/14 02:53	206-44-0	
Fluorene	ND	ug/kg	382	1	06/25/14 11:19	06/26/14 02:53	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/kg	382	1	06/25/14 11:19	06/26/14 02:53	87-68-3	
Hexachlorobenzene	ND	ug/kg	382	1	06/25/14 11:19	06/26/14 02:53	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	382	1	06/25/14 11:19	06/26/14 02:53	77-47-4	
Hexachloroethane	ND	ug/kg	382	1	06/25/14 11:19	06/26/14 02:53	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	382	1	06/25/14 11:19	06/26/14 02:53	193-39-5	
Isophorone	ND	ug/kg	382	1	06/25/14 11:19	06/26/14 02:53	78-59-1	
2-Methylnaphthalene	ND	ug/kg	382	1	06/25/14 11:19	06/26/14 02:53	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	382	1	06/25/14 11:19	06/26/14 02:53	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	764	1	06/25/14 11:19	06/26/14 02:53		
Naphthalene	ND	ug/kg	382	1	06/25/14 11:19	06/26/14 02:53	91-20-3	
2-Nitroaniline	ND	ug/kg	1850	1	06/25/14 11:19	06/26/14 02:53	88-74-4	
3-Nitroaniline	ND	ug/kg	1850	1	06/25/14 11:19	06/26/14 02:53	99-09-2	
4-Nitroaniline	ND	ug/kg	1850	1	06/25/14 11:19	06/26/14 02:53	100-01-6	
Nitrobenzene	ND	ug/kg	382	1	06/25/14 11:19	06/26/14 02:53	98-95-3	
2-Nitrophenol	ND	ug/kg	382	1	06/25/14 11:19	06/26/14 02:53	88-75-5	
4-Nitrophenol	ND	ug/kg	1850	1	06/25/14 11:19	06/26/14 02:53	100-02-7	
N-Nitroso-di-n-propylamine	ND	ug/kg	382	1	06/25/14 11:19	06/26/14 02:53	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	382	1	06/25/14 11:19	06/26/14 02:53	86-30-6	
Pentachlorophenol	ND	ug/kg	1850	1	06/25/14 11:19	06/26/14 02:53	87-86-5	
Phenanthrene	ND	ug/kg	382	1	06/25/14 11:19	06/26/14 02:53	85-01-8	
Phenol	ND	ug/kg	382	1	06/25/14 11:19	06/26/14 02:53	108-95-2	
Pyrene	ND	ug/kg	382	1	06/25/14 11:19	06/26/14 02:53	129-00-0	
2,4,5-Trichlorophenol	ND	ug/kg	382	1	06/25/14 11:19	06/26/14 02:53	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	382	1	06/25/14 11:19	06/26/14 02:53	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	59 %.		28-101	1	06/25/14 11:19	06/26/14 02:53	4165-60-0	
2-Fluorobiphenyl (S)	60 %.		31-94	1	06/25/14 11:19	06/26/14 02:53	321-60-8	
p-Terphenyl-d14 (S)	85 %.		26-110	1	06/25/14 11:19	06/26/14 02:53	1718-51-0	
Phenol-d5 (S)	67 %.		28-101	1	06/25/14 11:19	06/26/14 02:53	4165-62-2	
2-Fluorophenol (S)	64 %.		24-104	1	06/25/14 11:19	06/26/14 02:53	367-12-4	
2,4,6-Tribromophenol (S)	72 %.		16-122	1	06/25/14 11:19	06/26/14 02:53	118-79-6	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Sibley - Accucast

Pace Project No.: 5099627

Sample: P-9 (13-15) **Lab ID: 5099627017** Collected: 06/19/14 15:10 Received: 06/20/14 10:42 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	97.3	1		07/02/14 21:58	67-64-1	
Acrolein	ND	ug/kg	97.3	1		07/02/14 21:58	107-02-8	
Acrylonitrile	ND	ug/kg	97.3	1		07/02/14 21:58	107-13-1	
Benzene	ND	ug/kg	4.9	1		07/02/14 21:58	71-43-2	
Bromobenzene	ND	ug/kg	4.9	1		07/02/14 21:58	108-86-1	
Bromochloromethane	ND	ug/kg	4.9	1		07/02/14 21:58	74-97-5	
Bromodichloromethane	ND	ug/kg	4.9	1		07/02/14 21:58	75-27-4	
Bromoform	ND	ug/kg	4.9	1		07/02/14 21:58	75-25-2	
Bromomethane	ND	ug/kg	4.9	1		07/02/14 21:58	74-83-9	
2-Butanone (MEK)	ND	ug/kg	24.3	1		07/02/14 21:58	78-93-3	
n-Butylbenzene	ND	ug/kg	4.9	1		07/02/14 21:58	104-51-8	
sec-Butylbenzene	ND	ug/kg	4.9	1		07/02/14 21:58	135-98-8	
tert-Butylbenzene	ND	ug/kg	4.9	1		07/02/14 21:58	98-06-6	
Carbon disulfide	ND	ug/kg	9.7	1		07/02/14 21:58	75-15-0	
Carbon tetrachloride	ND	ug/kg	4.9	1		07/02/14 21:58	56-23-5	
Chlorobenzene	ND	ug/kg	4.9	1		07/02/14 21:58	108-90-7	
Chloroethane	ND	ug/kg	4.9	1		07/02/14 21:58	75-00-3	
Chloroform	ND	ug/kg	4.9	1		07/02/14 21:58	67-66-3	
Chloromethane	ND	ug/kg	4.9	1		07/02/14 21:58	74-87-3	
2-Chlorotoluene	ND	ug/kg	4.9	1		07/02/14 21:58	95-49-8	
4-Chlorotoluene	ND	ug/kg	4.9	1		07/02/14 21:58	106-43-4	
Dibromochloromethane	ND	ug/kg	4.9	1		07/02/14 21:58	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	4.9	1		07/02/14 21:58	106-93-4	
Dibromomethane	ND	ug/kg	4.9	1		07/02/14 21:58	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	4.9	1		07/02/14 21:58	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	4.9	1		07/02/14 21:58	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	4.9	1		07/02/14 21:58	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/kg	97.3	1		07/02/14 21:58	110-57-6	
Dichlorodifluoromethane	ND	ug/kg	4.9	1		07/02/14 21:58	75-71-8	
1,1-Dichloroethane	ND	ug/kg	4.9	1		07/02/14 21:58	75-34-3	
1,2-Dichloroethane	ND	ug/kg	4.9	1		07/02/14 21:58	107-06-2	
1,1-Dichloroethene	ND	ug/kg	4.9	1		07/02/14 21:58	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	4.9	1		07/02/14 21:58	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	4.9	1		07/02/14 21:58	156-60-5	
1,2-Dichloropropane	ND	ug/kg	4.9	1		07/02/14 21:58	78-87-5	
1,3-Dichloropropane	ND	ug/kg	4.9	1		07/02/14 21:58	142-28-9	
2,2-Dichloropropane	ND	ug/kg	4.9	1		07/02/14 21:58	594-20-7	
1,1-Dichloropropene	ND	ug/kg	4.9	1		07/02/14 21:58	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	4.9	1		07/02/14 21:58	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	4.9	1		07/02/14 21:58	10061-02-6	
Ethylbenzene	ND	ug/kg	4.9	1		07/02/14 21:58	100-41-4	
Ethyl methacrylate	ND	ug/kg	97.3	1		07/02/14 21:58	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/kg	4.9	1		07/02/14 21:58	87-68-3	
n-Hexane	ND	ug/kg	4.9	1		07/02/14 21:58	110-54-3	N2
2-Hexanone	ND	ug/kg	97.3	1		07/02/14 21:58	591-78-6	
Iodomethane	ND	ug/kg	97.3	1		07/02/14 21:58	74-88-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Sibley - Accucast

Pace Project No.: 5099627

Sample: P-9 (13-15) **Lab ID: 5099627017** Collected: 06/19/14 15:10 Received: 06/20/14 10:42 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		07/02/14 21:58	98-82-8	
p-Isopropyltoluene	ND	ug/kg	4.9	1		07/02/14 21:58	99-87-6	
Methylene Chloride	ND	ug/kg	19.5	1		07/02/14 21:58	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	24.3	1		07/02/14 21:58	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	4.9	1		07/02/14 21:58	1634-04-4	
Naphthalene	ND	ug/kg	4.9	1		07/02/14 21:58	91-20-3	
n-Propylbenzene	ND	ug/kg	4.9	1		07/02/14 21:58	103-65-1	
Styrene	ND	ug/kg	4.9	1		07/02/14 21:58	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	4.9	1		07/02/14 21:58	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	4.9	1		07/02/14 21:58	79-34-5	
Tetrachloroethene	ND	ug/kg	4.9	1		07/02/14 21:58	127-18-4	
Toluene	ND	ug/kg	4.9	1		07/02/14 21:58	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	4.9	1		07/02/14 21:58	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	4.9	1		07/02/14 21:58	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	4.9	1		07/02/14 21:58	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	4.9	1		07/02/14 21:58	79-00-5	
Trichloroethene	ND	ug/kg	4.9	1		07/02/14 21:58	79-01-6	
Trichlorofluoromethane	ND	ug/kg	4.9	1		07/02/14 21:58	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	4.9	1		07/02/14 21:58	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	4.9	1		07/02/14 21:58	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	4.9	1		07/02/14 21:58	108-67-8	
Vinyl acetate	ND	ug/kg	97.3	1		07/02/14 21:58	108-05-4	
Vinyl chloride	ND	ug/kg	4.9	1		07/02/14 21:58	75-01-4	
Xylene (Total)	ND	ug/kg	9.7	1		07/02/14 21:58	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	86 %		85-118	1		07/02/14 21:58	1868-53-7	
Toluene-d8 (S)	101 %		71-128	1		07/02/14 21:58	2037-26-5	
4-Bromofluorobenzene (S)	93 %		56-144	1		07/02/14 21:58	460-00-4	
Percent Moisture		Analytical Method: ASTM D2974-87						
Percent Moisture	14.8 %		0.10	1		06/26/14 09:44		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Sibley - Accucast

Pace Project No.: 5099627

Sample: Surf-Dupe **Lab ID: 5099627018** Collected: 06/19/14 08:00 Received: 06/20/14 10:42 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	121	1	06/24/14 11:04	06/27/14 03:08	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/kg	121	1	06/24/14 11:04	06/27/14 03:08	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/kg	121	1	06/24/14 11:04	06/27/14 03:08	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/kg	121	1	06/24/14 11:04	06/27/14 03:08	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/kg	121	1	06/24/14 11:04	06/27/14 03:08	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/kg	121	1	06/24/14 11:04	06/27/14 03:08	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	ug/kg	121	1	06/24/14 11:04	06/27/14 03:08	11096-82-5	
Surrogates								
Tetrachloro-m-xylene (S)	82 %.		30-106	1	06/24/14 11:04	06/27/14 03:08	877-09-8	
6010 MET ICP								
Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Antimony	ND	mg/kg	1.1	1	06/21/14 10:44	06/24/14 10:23	7440-36-0	
Arsenic	1.9	mg/kg	1.1	1	06/21/14 10:44	06/24/14 10:23	7440-38-2	
Chromium	2.8	mg/kg	1.1	1	06/21/14 10:44	06/24/14 10:23	7440-47-3	
Cobalt	1.4	mg/kg	1.1	1	06/21/14 10:44	06/24/14 10:23	7440-48-4	
Iron	3480	mg/kg	54.1	1	06/21/14 10:44	06/24/14 10:23	7439-89-6	
Lead	3.2	mg/kg	1.1	1	06/21/14 10:44	06/24/14 10:23	7439-92-1	
Selenium	ND	mg/kg	1.1	1	06/21/14 10:44	06/24/14 10:23	7782-49-2	
Thallium	2.1	mg/kg	1.1	1	06/21/14 10:44	06/24/14 10:23	7440-28-0	
8270 MSSV SHORT LIST MICROWAVE								
Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Acenaphthene	ND	ug/kg	402	1	06/25/14 11:19	06/26/14 03:15	83-32-9	
Acenaphthylene	ND	ug/kg	402	1	06/25/14 11:19	06/26/14 03:15	208-96-8	
Anthracene	ND	ug/kg	402	1	06/25/14 11:19	06/26/14 03:15	120-12-7	
Benzo(a)anthracene	ND	ug/kg	402	1	06/25/14 11:19	06/26/14 03:15	56-55-3	
Benzo(a)pyrene	ND	ug/kg	207	1	06/25/14 11:19	06/26/14 03:15	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	402	1	06/25/14 11:19	06/26/14 03:15	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	402	1	06/25/14 11:19	06/26/14 03:15	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	402	1	06/25/14 11:19	06/26/14 03:15	207-08-9	
Benzyl alcohol	ND	ug/kg	804	1	06/25/14 11:19	06/26/14 03:15	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	402	1	06/25/14 11:19	06/26/14 03:15	101-55-3	
Butylbenzylphthalate	ND	ug/kg	402	1	06/25/14 11:19	06/26/14 03:15	85-68-7	
4-Chloro-3-methylphenol	ND	ug/kg	804	1	06/25/14 11:19	06/26/14 03:15	59-50-7	
4-Chloroaniline	ND	ug/kg	804	1	06/25/14 11:19	06/26/14 03:15	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	402	1	06/25/14 11:19	06/26/14 03:15	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	402	1	06/25/14 11:19	06/26/14 03:15	111-44-4	
bis(2chloro1methylethyl) ether	ND	ug/kg	402	1	06/25/14 11:19	06/26/14 03:15	108-60-1	
2-Chloronaphthalene	ND	ug/kg	402	1	06/25/14 11:19	06/26/14 03:15	91-58-7	
2-Chlorophenol	ND	ug/kg	402	1	06/25/14 11:19	06/26/14 03:15	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	402	1	06/25/14 11:19	06/26/14 03:15	7005-72-3	
Chrysene	ND	ug/kg	402	1	06/25/14 11:19	06/26/14 03:15	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	207	1	06/25/14 11:19	06/26/14 03:15	53-70-3	
Dibenzofuran	ND	ug/kg	402	1	06/25/14 11:19	06/26/14 03:15	132-64-9	
3,3'-Dichlorobenzidine	ND	ug/kg	804	1	06/25/14 11:19	06/26/14 03:15	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	402	1	06/25/14 11:19	06/26/14 03:15	120-83-2	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Sibley - Accucast

Pace Project No.: 5099627

Sample: Surf-Dupe **Lab ID: 5099627018** Collected: 06/19/14 08:00 Received: 06/20/14 10:42 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	402	1	06/25/14 11:19	06/26/14 03:15	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	402	1	06/25/14 11:19	06/26/14 03:15	105-67-9	
Dimethylphthalate	ND	ug/kg	402	1	06/25/14 11:19	06/26/14 03:15	131-11-3	
Di-n-butylphthalate	ND	ug/kg	402	1	06/25/14 11:19	06/26/14 03:15	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	1950	1	06/25/14 11:19	06/26/14 03:15	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	1950	1	06/25/14 11:19	06/26/14 03:15	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	402	1	06/25/14 11:19	06/26/14 03:15	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	402	1	06/25/14 11:19	06/26/14 03:15	606-20-2	
Di-n-octylphthalate	ND	ug/kg	402	1	06/25/14 11:19	06/26/14 03:15	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	402	1	06/25/14 11:19	06/26/14 03:15	117-81-7	
Fluoranthene	ND	ug/kg	402	1	06/25/14 11:19	06/26/14 03:15	206-44-0	
Fluorene	ND	ug/kg	402	1	06/25/14 11:19	06/26/14 03:15	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/kg	402	1	06/25/14 11:19	06/26/14 03:15	87-68-3	
Hexachlorobenzene	ND	ug/kg	402	1	06/25/14 11:19	06/26/14 03:15	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	402	1	06/25/14 11:19	06/26/14 03:15	77-47-4	
Hexachloroethane	ND	ug/kg	402	1	06/25/14 11:19	06/26/14 03:15	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	402	1	06/25/14 11:19	06/26/14 03:15	193-39-5	
Isophorone	ND	ug/kg	402	1	06/25/14 11:19	06/26/14 03:15	78-59-1	
2-Methylnaphthalene	ND	ug/kg	402	1	06/25/14 11:19	06/26/14 03:15	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	402	1	06/25/14 11:19	06/26/14 03:15	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	804	1	06/25/14 11:19	06/26/14 03:15		
Naphthalene	ND	ug/kg	402	1	06/25/14 11:19	06/26/14 03:15	91-20-3	
2-Nitroaniline	ND	ug/kg	1950	1	06/25/14 11:19	06/26/14 03:15	88-74-4	
3-Nitroaniline	ND	ug/kg	1950	1	06/25/14 11:19	06/26/14 03:15	99-09-2	
4-Nitroaniline	ND	ug/kg	1950	1	06/25/14 11:19	06/26/14 03:15	100-01-6	
Nitrobenzene	ND	ug/kg	402	1	06/25/14 11:19	06/26/14 03:15	98-95-3	
2-Nitrophenol	ND	ug/kg	402	1	06/25/14 11:19	06/26/14 03:15	88-75-5	
4-Nitrophenol	ND	ug/kg	1950	1	06/25/14 11:19	06/26/14 03:15	100-02-7	
N-Nitroso-di-n-propylamine	ND	ug/kg	402	1	06/25/14 11:19	06/26/14 03:15	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	402	1	06/25/14 11:19	06/26/14 03:15	86-30-6	
Pentachlorophenol	ND	ug/kg	1950	1	06/25/14 11:19	06/26/14 03:15	87-86-5	
Phenanthrene	ND	ug/kg	402	1	06/25/14 11:19	06/26/14 03:15	85-01-8	
Phenol	ND	ug/kg	402	1	06/25/14 11:19	06/26/14 03:15	108-95-2	
Pyrene	ND	ug/kg	402	1	06/25/14 11:19	06/26/14 03:15	129-00-0	
2,4,5-Trichlorophenol	ND	ug/kg	402	1	06/25/14 11:19	06/26/14 03:15	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	402	1	06/25/14 11:19	06/26/14 03:15	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	68 %.		28-101	1	06/25/14 11:19	06/26/14 03:15	4165-60-0	
2-Fluorobiphenyl (S)	68 %.		31-94	1	06/25/14 11:19	06/26/14 03:15	321-60-8	
p-Terphenyl-d14 (S)	89 %.		26-110	1	06/25/14 11:19	06/26/14 03:15	1718-51-0	
Phenol-d5 (S)	76 %.		28-101	1	06/25/14 11:19	06/26/14 03:15	4165-62-2	
2-Fluorophenol (S)	73 %.		24-104	1	06/25/14 11:19	06/26/14 03:15	367-12-4	
2,4,6-Tribromophenol (S)	78 %.		16-122	1	06/25/14 11:19	06/26/14 03:15	118-79-6	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Sibley - Accucast

Pace Project No.: 5099627

Sample: Surf-Dupe **Lab ID: 5099627018** Collected: 06/19/14 08:00 Received: 06/20/14 10:42 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	88.0	1		07/03/14 04:40	67-64-1	
Acrolein	ND	ug/kg	88.0	1		07/03/14 04:40	107-02-8	
Acrylonitrile	ND	ug/kg	88.0	1		07/03/14 04:40	107-13-1	
Benzene	ND	ug/kg	4.4	1		07/03/14 04:40	71-43-2	
Bromobenzene	ND	ug/kg	4.4	1		07/03/14 04:40	108-86-1	
Bromochloromethane	ND	ug/kg	4.4	1		07/03/14 04:40	74-97-5	
Bromodichloromethane	ND	ug/kg	4.4	1		07/03/14 04:40	75-27-4	
Bromoform	ND	ug/kg	4.4	1		07/03/14 04:40	75-25-2	
Bromomethane	ND	ug/kg	4.4	1		07/03/14 04:40	74-83-9	
2-Butanone (MEK)	ND	ug/kg	22.0	1		07/03/14 04:40	78-93-3	
n-Butylbenzene	ND	ug/kg	4.4	1		07/03/14 04:40	104-51-8	
sec-Butylbenzene	ND	ug/kg	4.4	1		07/03/14 04:40	135-98-8	
tert-Butylbenzene	ND	ug/kg	4.4	1		07/03/14 04:40	98-06-6	
Carbon disulfide	ND	ug/kg	8.8	1		07/03/14 04:40	75-15-0	
Carbon tetrachloride	ND	ug/kg	4.4	1		07/03/14 04:40	56-23-5	
Chlorobenzene	ND	ug/kg	4.4	1		07/03/14 04:40	108-90-7	
Chloroethane	ND	ug/kg	4.4	1		07/03/14 04:40	75-00-3	
Chloroform	ND	ug/kg	4.4	1		07/03/14 04:40	67-66-3	
Chloromethane	ND	ug/kg	4.4	1		07/03/14 04:40	74-87-3	
2-Chlorotoluene	ND	ug/kg	4.4	1		07/03/14 04:40	95-49-8	
4-Chlorotoluene	ND	ug/kg	4.4	1		07/03/14 04:40	106-43-4	
Dibromochloromethane	ND	ug/kg	4.4	1		07/03/14 04:40	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	4.4	1		07/03/14 04:40	106-93-4	
Dibromomethane	ND	ug/kg	4.4	1		07/03/14 04:40	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	4.4	1		07/03/14 04:40	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	4.4	1		07/03/14 04:40	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	4.4	1		07/03/14 04:40	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/kg	88.0	1		07/03/14 04:40	110-57-6	
Dichlorodifluoromethane	ND	ug/kg	4.4	1		07/03/14 04:40	75-71-8	
1,1-Dichloroethane	ND	ug/kg	4.4	1		07/03/14 04:40	75-34-3	
1,2-Dichloroethane	ND	ug/kg	4.4	1		07/03/14 04:40	107-06-2	
1,1-Dichloroethene	ND	ug/kg	4.4	1		07/03/14 04:40	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	4.4	1		07/03/14 04:40	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	4.4	1		07/03/14 04:40	156-60-5	
1,2-Dichloropropane	ND	ug/kg	4.4	1		07/03/14 04:40	78-87-5	
1,3-Dichloropropane	ND	ug/kg	4.4	1		07/03/14 04:40	142-28-9	
2,2-Dichloropropane	ND	ug/kg	4.4	1		07/03/14 04:40	594-20-7	
1,1-Dichloropropene	ND	ug/kg	4.4	1		07/03/14 04:40	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	4.4	1		07/03/14 04:40	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	4.4	1		07/03/14 04:40	10061-02-6	
Ethylbenzene	ND	ug/kg	4.4	1		07/03/14 04:40	100-41-4	
Ethyl methacrylate	ND	ug/kg	88.0	1		07/03/14 04:40	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/kg	4.4	1		07/03/14 04:40	87-68-3	
n-Hexane	ND	ug/kg	4.4	1		07/03/14 04:40	110-54-3	N2
2-Hexanone	ND	ug/kg	88.0	1		07/03/14 04:40	591-78-6	
Iodomethane	ND	ug/kg	88.0	1		07/03/14 04:40	74-88-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Sibley - Accucast

Pace Project No.: 5099627

Sample: Surf-Dupe **Lab ID: 5099627018** Collected: 06/19/14 08:00 Received: 06/20/14 10:42 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	4.4	1		07/03/14 04:40	98-82-8	
p-Isopropyltoluene	ND	ug/kg	4.4	1		07/03/14 04:40	99-87-6	
Methylene Chloride	ND	ug/kg	17.6	1		07/03/14 04:40	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	22.0	1		07/03/14 04:40	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	4.4	1		07/03/14 04:40	1634-04-4	
Naphthalene	ND	ug/kg	4.4	1		07/03/14 04:40	91-20-3	
n-Propylbenzene	ND	ug/kg	4.4	1		07/03/14 04:40	103-65-1	
Styrene	ND	ug/kg	4.4	1		07/03/14 04:40	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	4.4	1		07/03/14 04:40	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	4.4	1		07/03/14 04:40	79-34-5	
Tetrachloroethene	ND	ug/kg	4.4	1		07/03/14 04:40	127-18-4	
Toluene	ND	ug/kg	4.4	1		07/03/14 04:40	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	4.4	1		07/03/14 04:40	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	4.4	1		07/03/14 04:40	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	4.4	1		07/03/14 04:40	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	4.4	1		07/03/14 04:40	79-00-5	
Trichloroethene	ND	ug/kg	4.4	1		07/03/14 04:40	79-01-6	
Trichlorofluoromethane	ND	ug/kg	4.4	1		07/03/14 04:40	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	4.4	1		07/03/14 04:40	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	4.4	1		07/03/14 04:40	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	4.4	1		07/03/14 04:40	108-67-8	
Vinyl acetate	ND	ug/kg	88.0	1		07/03/14 04:40	108-05-4	
Vinyl chloride	ND	ug/kg	4.4	1		07/03/14 04:40	75-01-4	
Xylene (Total)	ND	ug/kg	8.8	1		07/03/14 04:40	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	94 %		85-118	1		07/03/14 04:40	1868-53-7	
Toluene-d8 (S)	101 %		71-128	1		07/03/14 04:40	2037-26-5	
4-Bromofluorobenzene (S)	94 %		56-144	1		07/03/14 04:40	460-00-4	
Percent Moisture		Analytical Method: ASTM D2974-87						
Percent Moisture	18.0 %		0.10	1		06/26/14 09:44		

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ANALYTICAL RESULTS

Project: Sibley - Accucast

Pace Project No.: 5099627

Sample: Trip Blank **Lab ID:** 5099627019 Collected: 06/19/14 08:00 Received: 06/20/14 10:42 Matrix: Solid

Results reported on a "wet-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	100	1		07/03/14 05:13	67-64-1	
Acrolein	ND	ug/kg	100	1		07/03/14 05:13	107-02-8	
Acrylonitrile	ND	ug/kg	100	1		07/03/14 05:13	107-13-1	
Benzene	ND	ug/kg	5.0	1		07/03/14 05:13	71-43-2	
Bromobenzene	ND	ug/kg	5.0	1		07/03/14 05:13	108-86-1	
Bromochloromethane	ND	ug/kg	5.0	1		07/03/14 05:13	74-97-5	
Bromodichloromethane	ND	ug/kg	5.0	1		07/03/14 05:13	75-27-4	
Bromoform	ND	ug/kg	5.0	1		07/03/14 05:13	75-25-2	
Bromomethane	ND	ug/kg	5.0	1		07/03/14 05:13	74-83-9	
2-Butanone (MEK)	ND	ug/kg	25.0	1		07/03/14 05:13	78-93-3	
n-Butylbenzene	ND	ug/kg	5.0	1		07/03/14 05:13	104-51-8	
sec-Butylbenzene	ND	ug/kg	5.0	1		07/03/14 05:13	135-98-8	
tert-Butylbenzene	ND	ug/kg	5.0	1		07/03/14 05:13	98-06-6	
Carbon disulfide	ND	ug/kg	10.0	1		07/03/14 05:13	75-15-0	
Carbon tetrachloride	ND	ug/kg	5.0	1		07/03/14 05:13	56-23-5	
Chlorobenzene	ND	ug/kg	5.0	1		07/03/14 05:13	108-90-7	
Chloroethane	ND	ug/kg	5.0	1		07/03/14 05:13	75-00-3	
Chloroform	ND	ug/kg	5.0	1		07/03/14 05:13	67-66-3	
Chloromethane	ND	ug/kg	5.0	1		07/03/14 05:13	74-87-3	
2-Chlorotoluene	ND	ug/kg	5.0	1		07/03/14 05:13	95-49-8	
4-Chlorotoluene	ND	ug/kg	5.0	1		07/03/14 05:13	106-43-4	
Dibromochloromethane	ND	ug/kg	5.0	1		07/03/14 05:13	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	5.0	1		07/03/14 05:13	106-93-4	
Dibromomethane	ND	ug/kg	5.0	1		07/03/14 05:13	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	5.0	1		07/03/14 05:13	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	5.0	1		07/03/14 05:13	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	5.0	1		07/03/14 05:13	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/kg	100	1		07/03/14 05:13	110-57-6	
Dichlorodifluoromethane	ND	ug/kg	5.0	1		07/03/14 05:13	75-71-8	
1,1-Dichloroethane	ND	ug/kg	5.0	1		07/03/14 05:13	75-34-3	
1,2-Dichloroethane	ND	ug/kg	5.0	1		07/03/14 05:13	107-06-2	
1,1-Dichloroethene	ND	ug/kg	5.0	1		07/03/14 05:13	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	5.0	1		07/03/14 05:13	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	5.0	1		07/03/14 05:13	156-60-5	
1,2-Dichloropropane	ND	ug/kg	5.0	1		07/03/14 05:13	78-87-5	
1,3-Dichloropropane	ND	ug/kg	5.0	1		07/03/14 05:13	142-28-9	
2,2-Dichloropropane	ND	ug/kg	5.0	1		07/03/14 05:13	594-20-7	
1,1-Dichloropropene	ND	ug/kg	5.0	1		07/03/14 05:13	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	5.0	1		07/03/14 05:13	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	5.0	1		07/03/14 05:13	10061-02-6	
Ethylbenzene	ND	ug/kg	5.0	1		07/03/14 05:13	100-41-4	
Ethyl methacrylate	ND	ug/kg	100	1		07/03/14 05:13	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/kg	5.0	1		07/03/14 05:13	87-68-3	
n-Hexane	ND	ug/kg	5.0	1		07/03/14 05:13	110-54-3	N2
2-Hexanone	ND	ug/kg	100	1		07/03/14 05:13	591-78-6	
Iodomethane	ND	ug/kg	100	1		07/03/14 05:13	74-88-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Sibley - Accucast

Pace Project No.: 5099627

Sample: Trip Blank **Lab ID:** 5099627019 Collected: 06/19/14 08:00 Received: 06/20/14 10:42 Matrix: Solid

Results reported on a "wet-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	5.0	1		07/03/14 05:13	98-82-8	
p-Isopropyltoluene	ND	ug/kg	5.0	1		07/03/14 05:13	99-87-6	
Methylene Chloride	ND	ug/kg	20.0	1		07/03/14 05:13	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	25.0	1		07/03/14 05:13	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	5.0	1		07/03/14 05:13	1634-04-4	
Naphthalene	ND	ug/kg	5.0	1		07/03/14 05:13	91-20-3	
n-Propylbenzene	ND	ug/kg	5.0	1		07/03/14 05:13	103-65-1	
Styrene	ND	ug/kg	5.0	1		07/03/14 05:13	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	5.0	1		07/03/14 05:13	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	5.0	1		07/03/14 05:13	79-34-5	
Tetrachloroethene	ND	ug/kg	5.0	1		07/03/14 05:13	127-18-4	
Toluene	ND	ug/kg	5.0	1		07/03/14 05:13	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	5.0	1		07/03/14 05:13	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	5.0	1		07/03/14 05:13	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	5.0	1		07/03/14 05:13	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	5.0	1		07/03/14 05:13	79-00-5	
Trichloroethene	ND	ug/kg	5.0	1		07/03/14 05:13	79-01-6	
Trichlorofluoromethane	ND	ug/kg	5.0	1		07/03/14 05:13	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	5.0	1		07/03/14 05:13	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	5.0	1		07/03/14 05:13	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	5.0	1		07/03/14 05:13	108-67-8	
Vinyl acetate	ND	ug/kg	100	1		07/03/14 05:13	108-05-4	
Vinyl chloride	ND	ug/kg	5.0	1		07/03/14 05:13	75-01-4	
Xylene (Total)	ND	ug/kg	10.0	1		07/03/14 05:13	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	95 %.		85-118	1		07/03/14 05:13	1868-53-7	
Toluene-d8 (S)	99 %.		71-128	1		07/03/14 05:13	2037-26-5	
4-Bromofluorobenzene (S)	94 %.		56-144	1		07/03/14 05:13	460-00-4	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Sibley - Accucast

Pace Project No.: 5099627

QC Batch: MPRP/13625 Analysis Method: EPA 6010
 QC Batch Method: EPA 3050 Analysis Description: 6010 MET
 Associated Lab Samples: 5099627001, 5099627002, 5099627003, 5099627004, 5099627005, 5099627006, 5099627007, 5099627008, 5099627009, 5099627010, 5099627011, 5099627012, 5099627014, 5099627015, 5099627016, 5099627017, 5099627018

METHOD BLANK: 1115641 Matrix: Solid
 Associated Lab Samples: 5099627001, 5099627002, 5099627003, 5099627004, 5099627005, 5099627006, 5099627007, 5099627008, 5099627009, 5099627010, 5099627011, 5099627012, 5099627014, 5099627015, 5099627016, 5099627017, 5099627018

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Antimony	mg/kg	ND	1.0	06/24/14 09:19	
Arsenic	mg/kg	ND	1.0	06/24/14 09:19	
Chromium	mg/kg	ND	1.0	06/24/14 09:19	
Cobalt	mg/kg	ND	1.0	06/24/14 09:19	
Iron	mg/kg	ND	50.0	06/24/14 09:19	
Lead	mg/kg	ND	1.0	06/24/14 09:19	
Selenium	mg/kg	ND	1.0	06/24/14 09:19	
Thallium	mg/kg	ND	1.0	06/24/14 09:19	

LABORATORY CONTROL SAMPLE: 1115642

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	mg/kg	50	52.2	104	80-120	
Arsenic	mg/kg	50	52.6	105	80-120	
Chromium	mg/kg	50	50.9	102	80-120	
Cobalt	mg/kg	50	51.8	104	80-120	
Iron	mg/kg	500	520	104	80-120	
Lead	mg/kg	50	51.6	103	80-120	
Selenium	mg/kg	50	50.8	102	80-120	
Thallium	mg/kg	50	51.2	102	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1115643 1115644

Parameter	Units	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual	
		5099627001 Result	Spike Conc.	Spike Conc.	MS Result							MSD Result
Antimony	mg/kg	ND	52.3	50.1	33.3	27.7	64	55	75-125	19	20	M3
Arsenic	mg/kg	2.9	52.3	50.1	56.1	54.1	102	102	75-125	4	20	
Chromium	mg/kg	10.1	52.3	50.1	53.1	55.0	82	90	75-125	4	20	
Cobalt	mg/kg	2.6	52.3	50.1	51.0	50.4	93	95	75-125	1	20	
Iron	mg/kg	10900	523	501	9280	10100	-319	-169	75-125	8	20	P6
Lead	mg/kg	10.7	52.3	50.1	61.5	57.6	97	94	75-125	6	20	
Selenium	mg/kg	ND	52.3	50.1	50.1	48.8	96	97	75-125	3	20	
Thallium	mg/kg	2.2	52.3	50.1	51.1	51.3	93	98	75-125	0	20	

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QUALITY CONTROL DATA

Project: Sibley - Accucast

Pace Project No.: 5099627

QC Batch: MSV/66379 Analysis Method: EPA 8260
 QC Batch Method: EPA 8260 Analysis Description: 8260 MSV 5035A Volatile Organics
 Associated Lab Samples: 5099627001, 5099627002, 5099627003, 5099627004

METHOD BLANK: 1121337 Matrix: Solid
 Associated Lab Samples: 5099627001, 5099627002, 5099627003, 5099627004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	ND	5.0	07/01/14 23:21	
1,1,1-Trichloroethane	ug/kg	ND	5.0	07/01/14 23:21	
1,1,2,2-Tetrachloroethane	ug/kg	ND	5.0	07/01/14 23:21	
1,1,2-Trichloroethane	ug/kg	ND	5.0	07/01/14 23:21	
1,1-Dichloroethane	ug/kg	ND	5.0	07/01/14 23:21	
1,1-Dichloroethene	ug/kg	ND	5.0	07/01/14 23:21	
1,1-Dichloropropene	ug/kg	ND	5.0	07/01/14 23:21	
1,2,3-Trichlorobenzene	ug/kg	ND	5.0	07/01/14 23:21	
1,2,3-Trichloropropane	ug/kg	ND	5.0	07/01/14 23:21	
1,2,4-Trichlorobenzene	ug/kg	ND	5.0	07/01/14 23:21	
1,2,4-Trimethylbenzene	ug/kg	ND	5.0	07/01/14 23:21	
1,2-Dibromoethane (EDB)	ug/kg	ND	5.0	07/01/14 23:21	
1,2-Dichlorobenzene	ug/kg	ND	5.0	07/01/14 23:21	
1,2-Dichloroethane	ug/kg	ND	5.0	07/01/14 23:21	
1,2-Dichloropropane	ug/kg	ND	5.0	07/01/14 23:21	
1,3,5-Trimethylbenzene	ug/kg	ND	5.0	07/01/14 23:21	
1,3-Dichlorobenzene	ug/kg	ND	5.0	07/01/14 23:21	
1,3-Dichloropropane	ug/kg	ND	5.0	07/01/14 23:21	
1,4-Dichlorobenzene	ug/kg	ND	5.0	07/01/14 23:21	
2,2-Dichloropropane	ug/kg	ND	5.0	07/01/14 23:21	
2-Butanone (MEK)	ug/kg	ND	25.0	07/01/14 23:21	
2-Chlorotoluene	ug/kg	ND	5.0	07/01/14 23:21	
2-Hexanone	ug/kg	ND	100	07/01/14 23:21	
4-Chlorotoluene	ug/kg	ND	5.0	07/01/14 23:21	
4-Methyl-2-pentanone (MIBK)	ug/kg	ND	25.0	07/01/14 23:21	
Acetone	ug/kg	ND	100	07/01/14 23:21	
Acrolein	ug/kg	ND	100	07/01/14 23:21	
Acrylonitrile	ug/kg	ND	100	07/01/14 23:21	
Benzene	ug/kg	ND	5.0	07/01/14 23:21	
Bromobenzene	ug/kg	ND	5.0	07/01/14 23:21	
Bromochloromethane	ug/kg	ND	5.0	07/01/14 23:21	
Bromodichloromethane	ug/kg	ND	5.0	07/01/14 23:21	
Bromoform	ug/kg	ND	5.0	07/01/14 23:21	
Bromomethane	ug/kg	ND	5.0	07/01/14 23:21	
Carbon disulfide	ug/kg	ND	10.0	07/01/14 23:21	
Carbon tetrachloride	ug/kg	ND	5.0	07/01/14 23:21	
Chlorobenzene	ug/kg	ND	5.0	07/01/14 23:21	
Chloroethane	ug/kg	ND	5.0	07/01/14 23:21	
Chloroform	ug/kg	ND	5.0	07/01/14 23:21	
Chloromethane	ug/kg	ND	5.0	07/01/14 23:21	
cis-1,2-Dichloroethene	ug/kg	ND	5.0	07/01/14 23:21	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Sibley - Accucast

Pace Project No.: 5099627

METHOD BLANK: 1121337

Matrix: Solid

Associated Lab Samples: 5099627001, 5099627002, 5099627003, 5099627004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
cis-1,3-Dichloropropene	ug/kg	ND	5.0	07/01/14 23:21	
Dibromochloromethane	ug/kg	ND	5.0	07/01/14 23:21	
Dibromomethane	ug/kg	ND	5.0	07/01/14 23:21	
Dichlorodifluoromethane	ug/kg	ND	5.0	07/01/14 23:21	
Ethyl methacrylate	ug/kg	ND	100	07/01/14 23:21	
Ethylbenzene	ug/kg	ND	5.0	07/01/14 23:21	
Hexachloro-1,3-butadiene	ug/kg	ND	5.0	07/01/14 23:21	
Iodomethane	ug/kg	ND	100	07/01/14 23:21	
Isopropylbenzene (Cumene)	ug/kg	ND	5.0	07/01/14 23:21	
Methyl-tert-butyl ether	ug/kg	ND	5.0	07/01/14 23:21	
Methylene Chloride	ug/kg	ND	20.0	07/01/14 23:21	
n-Butylbenzene	ug/kg	ND	5.0	07/01/14 23:21	
n-Hexane	ug/kg	ND	5.0	07/01/14 23:21	N2
n-Propylbenzene	ug/kg	ND	5.0	07/01/14 23:21	
Naphthalene	ug/kg	ND	5.0	07/01/14 23:21	
p-Isopropyltoluene	ug/kg	ND	5.0	07/01/14 23:21	
sec-Butylbenzene	ug/kg	ND	5.0	07/01/14 23:21	
Styrene	ug/kg	ND	5.0	07/01/14 23:21	
tert-Butylbenzene	ug/kg	ND	5.0	07/01/14 23:21	
Tetrachloroethene	ug/kg	ND	5.0	07/01/14 23:21	
Toluene	ug/kg	ND	5.0	07/01/14 23:21	
trans-1,2-Dichloroethene	ug/kg	ND	5.0	07/01/14 23:21	
trans-1,3-Dichloropropene	ug/kg	ND	5.0	07/01/14 23:21	
trans-1,4-Dichloro-2-butene	ug/kg	ND	100	07/01/14 23:21	
Trichloroethene	ug/kg	ND	5.0	07/01/14 23:21	
Trichlorofluoromethane	ug/kg	ND	5.0	07/01/14 23:21	
Vinyl acetate	ug/kg	ND	100	07/01/14 23:21	
Vinyl chloride	ug/kg	ND	5.0	07/01/14 23:21	
Xylene (Total)	ug/kg	ND	10.0	07/01/14 23:21	
4-Bromofluorobenzene (S)	%	95	56-144	07/01/14 23:21	
Dibromofluoromethane (S)	%	101	85-118	07/01/14 23:21	
Toluene-d8 (S)	%	99	71-128	07/01/14 23:21	

LABORATORY CONTROL SAMPLE: 1121338

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/kg	50	46.0	92	70-123	
1,1,2,2-Tetrachloroethane	ug/kg	50	45.2	90	65-124	
1,1-Dichloroethene	ug/kg	50	44.4	89	66-126	
1,2,4-Trimethylbenzene	ug/kg	50	48.3	97	67-126	
1,2-Dichloropropane	ug/kg	50	43.6	87	75-118	
Benzene	ug/kg	50	48.7	97	74-119	
Chlorobenzene	ug/kg	50	46.3	93	77-122	
Chloroform	ug/kg	50	45.4	91	75-124	

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QUALITY CONTROL DATA

Project: Sibley - Accucast

Pace Project No.: 5099627

LABORATORY CONTROL SAMPLE: 1121338

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Ethylbenzene	ug/kg	50	47.0	94	72-123	
Isopropylbenzene (Cumene)	ug/kg	50	49.7	99	65-123	
Methyl-tert-butyl ether	ug/kg	100	91.3	91	68-120	
Naphthalene	ug/kg	50	50.4	101	67-131	
Tetrachloroethene	ug/kg	50	43.4	87	72-126	
Toluene	ug/kg	50	45.9	92	71-121	
Trichloroethene	ug/kg	50	46.8	94	74-123	
Vinyl chloride	ug/kg	50	47.9	96	55-128	
Xylene (Total)	ug/kg	150	145	97	66-124	
4-Bromofluorobenzene (S)	%			99	56-144	
Dibromofluoromethane (S)	%			102	85-118	
Toluene-d8 (S)	%			99	71-128	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1121339 1121340

Parameter	Units	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		5099517019 Result	Spike Conc.	Spike Conc.	MS Result						
1,1,1-Trichloroethane	ug/kg	ND	45.6	54.9	41.1	48.7	90	89	26-143	17	20
1,1,2,2-Tetrachloroethane	ug/kg	ND	45.6	54.9	41.3	50.5	91	92	10-156	20	20
1,1-Dichloroethene	ug/kg	ND	45.6	54.9	42.4	51.2	93	93	31-146	19	20
1,2,4-Trimethylbenzene	ug/kg	ND	45.6	54.9	47.3	56.4	104	103	10-139	17	20
1,2-Dichloropropane	ug/kg	ND	45.6	54.9	41.6	49.8	91	91	29-135	18	20
Benzene	ug/kg	ND	45.6	54.9	46.8	55.9	103	102	27-140	18	20
Chlorobenzene	ug/kg	ND	45.6	54.9	43.1	50.8	95	93	10-136	17	20
Chloroform	ug/kg	ND	45.6	54.9	42.0	50.4	92	92	36-138	18	20
Ethylbenzene	ug/kg	ND	45.6	54.9	44.4	53.2	98	97	10-144	18	20
Isopropylbenzene (Cumene)	ug/kg	ND	45.6	54.9	46.5	54.1	102	99	10-134	15	20
Methyl-tert-butyl ether	ug/kg	ND	91	110	78.2	95.1	86	87	30-147	19	20
Naphthalene	ug/kg	ND	45.6	54.9	42.0	50.4	92	92	10-130	18	20
Tetrachloroethene	ug/kg	8.3	45.6	54.9	75.5	150	148	258	10-153	66	20 R1
Toluene	ug/kg	ND	45.6	54.9	44.6	51.7	98	94	10-140	15	20
Trichloroethene	ug/kg	ND	45.6	54.9	44.3	52.7	97	96	17-148	17	20
Vinyl chloride	ug/kg	ND	45.6	54.9	45.0	53.9	99	98	30-145	18	20
Xylene (Total)	ug/kg	ND	136	164	137	162	100	98	10-143	17	20
4-Bromofluorobenzene (S)	%						93	92	56-144		
Dibromofluoromethane (S)	%						94	96	85-118		
Toluene-d8 (S)	%						100	98	71-128		

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QUALITY CONTROL DATA

Project: Sibley - Accucast

Pace Project No.: 5099627

QC Batch: MSV/66420

Analysis Method: EPA 8260

QC Batch Method: EPA 8260

Analysis Description: 8260 MSV 5035A Volatile Organics

Associated Lab Samples: 5099627005, 5099627006, 5099627007, 5099627008, 5099627009, 5099627010, 5099627014, 5099627015, 5099627017

METHOD BLANK: 1122141

Matrix: Solid

Associated Lab Samples: 5099627005, 5099627006, 5099627007, 5099627008, 5099627009, 5099627010, 5099627014, 5099627015, 5099627017

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	ND	5.0	07/02/14 12:26	
1,1,1-Trichloroethane	ug/kg	ND	5.0	07/02/14 12:26	
1,1,2,2-Tetrachloroethane	ug/kg	ND	5.0	07/02/14 12:26	
1,1,2-Trichloroethane	ug/kg	ND	5.0	07/02/14 12:26	
1,1-Dichloroethane	ug/kg	ND	5.0	07/02/14 12:26	
1,1-Dichloroethene	ug/kg	ND	5.0	07/02/14 12:26	
1,1-Dichloropropene	ug/kg	ND	5.0	07/02/14 12:26	
1,2,3-Trichlorobenzene	ug/kg	ND	5.0	07/02/14 12:26	
1,2,3-Trichloropropane	ug/kg	ND	5.0	07/02/14 12:26	
1,2,4-Trichlorobenzene	ug/kg	ND	5.0	07/02/14 12:26	
1,2,4-Trimethylbenzene	ug/kg	ND	5.0	07/02/14 12:26	
1,2-Dibromoethane (EDB)	ug/kg	ND	5.0	07/02/14 12:26	
1,2-Dichlorobenzene	ug/kg	ND	5.0	07/02/14 12:26	
1,2-Dichloroethane	ug/kg	ND	5.0	07/02/14 12:26	
1,2-Dichloropropane	ug/kg	ND	5.0	07/02/14 12:26	
1,3,5-Trimethylbenzene	ug/kg	ND	5.0	07/02/14 12:26	
1,3-Dichlorobenzene	ug/kg	ND	5.0	07/02/14 12:26	
1,3-Dichloropropane	ug/kg	ND	5.0	07/02/14 12:26	
1,4-Dichlorobenzene	ug/kg	ND	5.0	07/02/14 12:26	
2,2-Dichloropropane	ug/kg	ND	5.0	07/02/14 12:26	
2-Butanone (MEK)	ug/kg	ND	25.0	07/02/14 12:26	
2-Chlorotoluene	ug/kg	ND	5.0	07/02/14 12:26	
2-Hexanone	ug/kg	ND	100	07/02/14 12:26	
4-Chlorotoluene	ug/kg	ND	5.0	07/02/14 12:26	
4-Methyl-2-pentanone (MIBK)	ug/kg	ND	25.0	07/02/14 12:26	
Acetone	ug/kg	ND	100	07/02/14 12:26	
Acrolein	ug/kg	ND	100	07/02/14 12:26	
Acrylonitrile	ug/kg	ND	100	07/02/14 12:26	
Benzene	ug/kg	ND	5.0	07/02/14 12:26	
Bromobenzene	ug/kg	ND	5.0	07/02/14 12:26	
Bromochloromethane	ug/kg	ND	5.0	07/02/14 12:26	
Bromodichloromethane	ug/kg	ND	5.0	07/02/14 12:26	
Bromoform	ug/kg	ND	5.0	07/02/14 12:26	
Bromomethane	ug/kg	ND	5.0	07/02/14 12:26	
Carbon disulfide	ug/kg	ND	10.0	07/02/14 12:26	
Carbon tetrachloride	ug/kg	ND	5.0	07/02/14 12:26	
Chlorobenzene	ug/kg	ND	5.0	07/02/14 12:26	
Chloroethane	ug/kg	ND	5.0	07/02/14 12:26	
Chloroform	ug/kg	ND	5.0	07/02/14 12:26	
Chloromethane	ug/kg	ND	5.0	07/02/14 12:26	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Sibley - Accucast

Pace Project No.: 5099627

METHOD BLANK: 1122141

Matrix: Solid

Associated Lab Samples: 5099627005, 5099627006, 5099627007, 5099627008, 5099627009, 5099627010, 5099627014, 5099627015, 5099627017

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
cis-1,2-Dichloroethene	ug/kg	ND	5.0	07/02/14 12:26	
cis-1,3-Dichloropropene	ug/kg	ND	5.0	07/02/14 12:26	
Dibromochloromethane	ug/kg	ND	5.0	07/02/14 12:26	
Dibromomethane	ug/kg	ND	5.0	07/02/14 12:26	
Dichlorodifluoromethane	ug/kg	ND	5.0	07/02/14 12:26	
Ethyl methacrylate	ug/kg	ND	100	07/02/14 12:26	
Ethylbenzene	ug/kg	ND	5.0	07/02/14 12:26	
Hexachloro-1,3-butadiene	ug/kg	ND	5.0	07/02/14 12:26	
Iodomethane	ug/kg	ND	100	07/02/14 12:26	
Isopropylbenzene (Cumene)	ug/kg	ND	5.0	07/02/14 12:26	
Methyl-tert-butyl ether	ug/kg	ND	5.0	07/02/14 12:26	
Methylene Chloride	ug/kg	ND	20.0	07/02/14 12:26	
n-Butylbenzene	ug/kg	ND	5.0	07/02/14 12:26	
n-Hexane	ug/kg	ND	5.0	07/02/14 12:26	N2
n-Propylbenzene	ug/kg	ND	5.0	07/02/14 12:26	
Naphthalene	ug/kg	ND	5.0	07/02/14 12:26	
p-Isopropyltoluene	ug/kg	ND	5.0	07/02/14 12:26	
sec-Butylbenzene	ug/kg	ND	5.0	07/02/14 12:26	
Styrene	ug/kg	ND	5.0	07/02/14 12:26	
tert-Butylbenzene	ug/kg	ND	5.0	07/02/14 12:26	
Tetrachloroethene	ug/kg	ND	5.0	07/02/14 12:26	
Toluene	ug/kg	ND	5.0	07/02/14 12:26	
trans-1,2-Dichloroethene	ug/kg	ND	5.0	07/02/14 12:26	
trans-1,3-Dichloropropene	ug/kg	ND	5.0	07/02/14 12:26	
trans-1,4-Dichloro-2-butene	ug/kg	ND	100	07/02/14 12:26	
Trichloroethene	ug/kg	ND	5.0	07/02/14 12:26	
Trichlorofluoromethane	ug/kg	ND	5.0	07/02/14 12:26	
Vinyl acetate	ug/kg	ND	100	07/02/14 12:26	
Vinyl chloride	ug/kg	ND	5.0	07/02/14 12:26	
Xylene (Total)	ug/kg	ND	10.0	07/02/14 12:26	
4-Bromofluorobenzene (S)	%	96	56-144	07/02/14 12:26	
Dibromofluoromethane (S)	%	93	85-118	07/02/14 12:26	
Toluene-d8 (S)	%	100	71-128	07/02/14 12:26	

LABORATORY CONTROL SAMPLE: 1122142

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/kg	50	36.7	73	70-123	
1,1,2,2-Tetrachloroethane	ug/kg	50	46.0	92	65-124	
1,1-Dichloroethene	ug/kg	50	37.8	76	66-126	
1,2,4-Trimethylbenzene	ug/kg	50	46.5	93	67-126	
1,2-Dichloropropane	ug/kg	50	41.0	82	75-118	
Benzene	ug/kg	50	43.2	86	74-119	

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QUALITY CONTROL DATA

Project: Sibley - Accucast

Pace Project No.: 5099627

LABORATORY CONTROL SAMPLE: 1122142

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chlorobenzene	ug/kg	50	42.1	84	77-122	
Chloroform	ug/kg	50	37.7	75	75-124	
Ethylbenzene	ug/kg	50	41.9	84	72-123	
Isopropylbenzene (Cumene)	ug/kg	50	43.2	86	65-123	
Methyl-tert-butyl ether	ug/kg	100	73.0	73	68-120	
Naphthalene	ug/kg	50	49.4	99	67-131	
Tetrachloroethene	ug/kg	50	40.1	80	72-126	
Toluene	ug/kg	50	41.5	83	71-121	
Trichloroethene	ug/kg	50	41.1	82	74-123	
Vinyl chloride	ug/kg	50	42.3	85	55-128	
Xylene (Total)	ug/kg	150	131	87	66-124	
4-Bromofluorobenzene (S)	%			92	56-144	
Dibromofluoromethane (S)	%			95	85-118	
Toluene-d8 (S)	%			98	71-128	

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QUALITY CONTROL DATA

Project: Sibley - Accucast

Pace Project No.: 5099627

QC Batch: MSV/66438

Analysis Method: EPA 8260

QC Batch Method: EPA 8260

Analysis Description: 8260 MSV 5035A Volatile Organics

Associated Lab Samples: 5099627018, 5099627019

METHOD BLANK: 1122274

Matrix: Solid

Associated Lab Samples: 5099627018, 5099627019

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	ND	5.0	07/03/14 01:19	
1,1,1-Trichloroethane	ug/kg	ND	5.0	07/03/14 01:19	
1,1,2,2-Tetrachloroethane	ug/kg	ND	5.0	07/03/14 01:19	
1,1,2-Trichloroethane	ug/kg	ND	5.0	07/03/14 01:19	
1,1-Dichloroethane	ug/kg	ND	5.0	07/03/14 01:19	
1,1-Dichloroethene	ug/kg	ND	5.0	07/03/14 01:19	
1,1-Dichloropropene	ug/kg	ND	5.0	07/03/14 01:19	
1,2,3-Trichlorobenzene	ug/kg	ND	5.0	07/03/14 01:19	
1,2,3-Trichloropropane	ug/kg	ND	5.0	07/03/14 01:19	
1,2,4-Trichlorobenzene	ug/kg	ND	5.0	07/03/14 01:19	
1,2,4-Trimethylbenzene	ug/kg	ND	5.0	07/03/14 01:19	
1,2-Dibromoethane (EDB)	ug/kg	ND	5.0	07/03/14 01:19	
1,2-Dichlorobenzene	ug/kg	ND	5.0	07/03/14 01:19	
1,2-Dichloroethane	ug/kg	ND	5.0	07/03/14 01:19	
1,2-Dichloropropane	ug/kg	ND	5.0	07/03/14 01:19	
1,3,5-Trimethylbenzene	ug/kg	ND	5.0	07/03/14 01:19	
1,3-Dichlorobenzene	ug/kg	ND	5.0	07/03/14 01:19	
1,3-Dichloropropane	ug/kg	ND	5.0	07/03/14 01:19	
1,4-Dichlorobenzene	ug/kg	ND	5.0	07/03/14 01:19	
2,2-Dichloropropane	ug/kg	ND	5.0	07/03/14 01:19	
2-Butanone (MEK)	ug/kg	ND	25.0	07/03/14 01:19	
2-Chlorotoluene	ug/kg	ND	5.0	07/03/14 01:19	
2-Hexanone	ug/kg	ND	100	07/03/14 01:19	
4-Chlorotoluene	ug/kg	ND	5.0	07/03/14 01:19	
4-Methyl-2-pentanone (MIBK)	ug/kg	ND	25.0	07/03/14 01:19	
Acetone	ug/kg	ND	100	07/03/14 01:19	
Acrolein	ug/kg	ND	100	07/03/14 01:19	
Acrylonitrile	ug/kg	ND	100	07/03/14 01:19	
Benzene	ug/kg	ND	5.0	07/03/14 01:19	
Bromobenzene	ug/kg	ND	5.0	07/03/14 01:19	
Bromochloromethane	ug/kg	ND	5.0	07/03/14 01:19	
Bromodichloromethane	ug/kg	ND	5.0	07/03/14 01:19	
Bromoform	ug/kg	ND	5.0	07/03/14 01:19	
Bromomethane	ug/kg	ND	5.0	07/03/14 01:19	
Carbon disulfide	ug/kg	ND	10.0	07/03/14 01:19	
Carbon tetrachloride	ug/kg	ND	5.0	07/03/14 01:19	
Chlorobenzene	ug/kg	ND	5.0	07/03/14 01:19	
Chloroethane	ug/kg	ND	5.0	07/03/14 01:19	
Chloroform	ug/kg	ND	5.0	07/03/14 01:19	
Chloromethane	ug/kg	ND	5.0	07/03/14 01:19	
cis-1,2-Dichloroethene	ug/kg	ND	5.0	07/03/14 01:19	

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QUALITY CONTROL DATA

Project: Sibley - Accucast

Pace Project No.: 5099627

METHOD BLANK: 1122274

Matrix: Solid

Associated Lab Samples: 5099627018, 5099627019

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
cis-1,3-Dichloropropene	ug/kg	ND	5.0	07/03/14 01:19	
Dibromochloromethane	ug/kg	ND	5.0	07/03/14 01:19	
Dibromomethane	ug/kg	ND	5.0	07/03/14 01:19	
Dichlorodifluoromethane	ug/kg	ND	5.0	07/03/14 01:19	
Ethyl methacrylate	ug/kg	ND	100	07/03/14 01:19	
Ethylbenzene	ug/kg	ND	5.0	07/03/14 01:19	
Hexachloro-1,3-butadiene	ug/kg	ND	5.0	07/03/14 01:19	
Iodomethane	ug/kg	ND	100	07/03/14 01:19	
Isopropylbenzene (Cumene)	ug/kg	ND	5.0	07/03/14 01:19	
Methyl-tert-butyl ether	ug/kg	ND	5.0	07/03/14 01:19	
Methylene Chloride	ug/kg	ND	20.0	07/03/14 01:19	
n-Butylbenzene	ug/kg	ND	5.0	07/03/14 01:19	
n-Hexane	ug/kg	ND	5.0	07/03/14 01:19	N2
n-Propylbenzene	ug/kg	ND	5.0	07/03/14 01:19	
Naphthalene	ug/kg	ND	5.0	07/03/14 01:19	
p-Isopropyltoluene	ug/kg	ND	5.0	07/03/14 01:19	
sec-Butylbenzene	ug/kg	ND	5.0	07/03/14 01:19	
Styrene	ug/kg	ND	5.0	07/03/14 01:19	
tert-Butylbenzene	ug/kg	ND	5.0	07/03/14 01:19	
Tetrachloroethene	ug/kg	ND	5.0	07/03/14 01:19	
Toluene	ug/kg	ND	5.0	07/03/14 01:19	
trans-1,2-Dichloroethene	ug/kg	ND	5.0	07/03/14 01:19	
trans-1,3-Dichloropropene	ug/kg	ND	5.0	07/03/14 01:19	
trans-1,4-Dichloro-2-butene	ug/kg	ND	100	07/03/14 01:19	
Trichloroethene	ug/kg	ND	5.0	07/03/14 01:19	
Trichlorofluoromethane	ug/kg	ND	5.0	07/03/14 01:19	
Vinyl acetate	ug/kg	ND	100	07/03/14 01:19	
Vinyl chloride	ug/kg	ND	5.0	07/03/14 01:19	
Xylene (Total)	ug/kg	ND	10.0	07/03/14 01:19	
4-Bromofluorobenzene (S)	%	94	56-144	07/03/14 01:19	
Dibromofluoromethane (S)	%	89	85-118	07/03/14 01:19	
Toluene-d8 (S)	%	101	71-128	07/03/14 01:19	

LABORATORY CONTROL SAMPLE: 1122275

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/kg	50	38.6	77	70-123	
1,1,2,2-Tetrachloroethane	ug/kg	50	45.3	91	65-124	
1,1-Dichloroethene	ug/kg	50	44.4	89	66-126	
1,2,4-Trimethylbenzene	ug/kg	50	47.2	94	67-126	
1,2-Dichloropropane	ug/kg	50	43.6	87	75-118	
Benzene	ug/kg	50	46.4	93	74-119	
Chlorobenzene	ug/kg	50	44.1	88	77-122	
Chloroform	ug/kg	50	40.0	80	75-124	

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QUALITY CONTROL DATA

Project: Sibley - Accucast

Pace Project No.: 5099627

LABORATORY CONTROL SAMPLE: 1122275

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Ethylbenzene	ug/kg	50	45.5	91	72-123	
Isopropylbenzene (Cumene)	ug/kg	50	45.4	91	65-123	
Methyl-tert-butyl ether	ug/kg	100	87.0	87	68-120	
Naphthalene	ug/kg	50	48.9	98	67-131	
Tetrachloroethene	ug/kg	50	42.1	84	72-126	
Toluene	ug/kg	50	44.5	89	71-121	
Trichloroethene	ug/kg	50	42.8	86	74-123	
Vinyl chloride	ug/kg	50	50.3	101	55-128	
Xylene (Total)	ug/kg	150	138	92	66-124	
4-Bromofluorobenzene (S)	%.			93	56-144	
Dibromofluoromethane (S)	%.			92	85-118	
Toluene-d8 (S)	%.			99	71-128	

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QUALITY CONTROL DATA

Project: Sibley - Accucast

Pace Project No.: 5099627

QC Batch: MSV/66523

Analysis Method: EPA 8260

QC Batch Method: EPA 8260

Analysis Description: 8260 MSV 5035A Volatile Organics

Associated Lab Samples: 5099627011, 5099627012, 5099627016

METHOD BLANK: 1123500

Matrix: Solid

Associated Lab Samples: 5099627011, 5099627012, 5099627016

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	ND	5.0	07/03/14 13:56	
1,1,1-Trichloroethane	ug/kg	ND	5.0	07/03/14 13:56	
1,1,2,2-Tetrachloroethane	ug/kg	ND	5.0	07/03/14 13:56	
1,1,2-Trichloroethane	ug/kg	ND	5.0	07/03/14 13:56	
1,1-Dichloroethane	ug/kg	ND	5.0	07/03/14 13:56	
1,1-Dichloroethene	ug/kg	ND	5.0	07/03/14 13:56	
1,1-Dichloropropene	ug/kg	ND	5.0	07/03/14 13:56	
1,2,3-Trichlorobenzene	ug/kg	ND	5.0	07/03/14 13:56	
1,2,3-Trichloropropane	ug/kg	ND	5.0	07/03/14 13:56	
1,2,4-Trichlorobenzene	ug/kg	ND	5.0	07/03/14 13:56	
1,2,4-Trimethylbenzene	ug/kg	ND	5.0	07/03/14 13:56	
1,2-Dibromoethane (EDB)	ug/kg	ND	5.0	07/03/14 13:56	
1,2-Dichlorobenzene	ug/kg	ND	5.0	07/03/14 13:56	
1,2-Dichloroethane	ug/kg	ND	5.0	07/03/14 13:56	
1,2-Dichloropropane	ug/kg	ND	5.0	07/03/14 13:56	
1,3,5-Trimethylbenzene	ug/kg	ND	5.0	07/03/14 13:56	
1,3-Dichlorobenzene	ug/kg	ND	5.0	07/03/14 13:56	
1,3-Dichloropropane	ug/kg	ND	5.0	07/03/14 13:56	
1,4-Dichlorobenzene	ug/kg	ND	5.0	07/03/14 13:56	
2,2-Dichloropropane	ug/kg	ND	5.0	07/03/14 13:56	
2-Butanone (MEK)	ug/kg	ND	25.0	07/03/14 13:56	
2-Chlorotoluene	ug/kg	ND	5.0	07/03/14 13:56	
2-Hexanone	ug/kg	ND	100	07/03/14 13:56	
4-Chlorotoluene	ug/kg	ND	5.0	07/03/14 13:56	
4-Methyl-2-pentanone (MIBK)	ug/kg	ND	25.0	07/03/14 13:56	
Acetone	ug/kg	ND	100	07/03/14 13:56	
Acrolein	ug/kg	ND	100	07/03/14 13:56	
Acrylonitrile	ug/kg	ND	100	07/03/14 13:56	
Benzene	ug/kg	ND	5.0	07/03/14 13:56	
Bromobenzene	ug/kg	ND	5.0	07/03/14 13:56	
Bromochloromethane	ug/kg	ND	5.0	07/03/14 13:56	
Bromodichloromethane	ug/kg	ND	5.0	07/03/14 13:56	
Bromoform	ug/kg	ND	5.0	07/03/14 13:56	
Bromomethane	ug/kg	ND	5.0	07/03/14 13:56	
Carbon disulfide	ug/kg	ND	10.0	07/03/14 13:56	
Carbon tetrachloride	ug/kg	ND	5.0	07/03/14 13:56	
Chlorobenzene	ug/kg	ND	5.0	07/03/14 13:56	
Chloroethane	ug/kg	ND	5.0	07/03/14 13:56	
Chloroform	ug/kg	ND	5.0	07/03/14 13:56	
Chloromethane	ug/kg	ND	5.0	07/03/14 13:56	
cis-1,2-Dichloroethene	ug/kg	ND	5.0	07/03/14 13:56	

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QUALITY CONTROL DATA

Project: Sibley - Accucast

Pace Project No.: 5099627

METHOD BLANK: 1123500

Matrix: Solid

Associated Lab Samples: 5099627011, 5099627012, 5099627016

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
cis-1,3-Dichloropropene	ug/kg	ND	5.0	07/03/14 13:56	
Dibromochloromethane	ug/kg	ND	5.0	07/03/14 13:56	
Dibromomethane	ug/kg	ND	5.0	07/03/14 13:56	
Dichlorodifluoromethane	ug/kg	ND	5.0	07/03/14 13:56	
Ethyl methacrylate	ug/kg	ND	100	07/03/14 13:56	
Ethylbenzene	ug/kg	ND	5.0	07/03/14 13:56	
Hexachloro-1,3-butadiene	ug/kg	ND	5.0	07/03/14 13:56	
Iodomethane	ug/kg	ND	100	07/03/14 13:56	
Isopropylbenzene (Cumene)	ug/kg	ND	5.0	07/03/14 13:56	
Methyl-tert-butyl ether	ug/kg	ND	5.0	07/03/14 13:56	
Methylene Chloride	ug/kg	ND	20.0	07/03/14 13:56	
n-Butylbenzene	ug/kg	ND	5.0	07/03/14 13:56	
n-Hexane	ug/kg	ND	5.0	07/03/14 13:56	N2
n-Propylbenzene	ug/kg	ND	5.0	07/03/14 13:56	
Naphthalene	ug/kg	ND	5.0	07/03/14 13:56	
p-Isopropyltoluene	ug/kg	ND	5.0	07/03/14 13:56	
sec-Butylbenzene	ug/kg	ND	5.0	07/03/14 13:56	
Styrene	ug/kg	ND	5.0	07/03/14 13:56	
tert-Butylbenzene	ug/kg	ND	5.0	07/03/14 13:56	
Tetrachloroethene	ug/kg	ND	5.0	07/03/14 13:56	
Toluene	ug/kg	ND	5.0	07/03/14 13:56	
trans-1,2-Dichloroethene	ug/kg	ND	5.0	07/03/14 13:56	
trans-1,3-Dichloropropene	ug/kg	ND	5.0	07/03/14 13:56	
trans-1,4-Dichloro-2-butene	ug/kg	ND	100	07/03/14 13:56	
Trichloroethene	ug/kg	ND	5.0	07/03/14 13:56	
Trichlorofluoromethane	ug/kg	ND	5.0	07/03/14 13:56	
Vinyl acetate	ug/kg	ND	100	07/03/14 13:56	
Vinyl chloride	ug/kg	ND	5.0	07/03/14 13:56	
Xylene (Total)	ug/kg	ND	10.0	07/03/14 13:56	
4-Bromofluorobenzene (S)	%	92	56-144	07/03/14 13:56	
Dibromofluoromethane (S)	%	93	85-118	07/03/14 13:56	
Toluene-d8 (S)	%	99	71-128	07/03/14 13:56	

LABORATORY CONTROL SAMPLE: 1123501

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/kg	50	38.0	76	70-123	
1,1,2,2-Tetrachloroethane	ug/kg	50	42.9	86	65-124	
1,1-Dichloroethene	ug/kg	50	43.8	88	66-126	
1,2,4-Trimethylbenzene	ug/kg	50	47.1	94	67-126	
1,2-Dichloropropane	ug/kg	50	41.4	83	75-118	
Benzene	ug/kg	50	45.0	90	74-119	
Chlorobenzene	ug/kg	50	43.8	88	77-122	
Chloroform	ug/kg	50	39.1	78	75-124	

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QUALITY CONTROL DATA

Project: Sibley - Accucast

Pace Project No.: 5099627

LABORATORY CONTROL SAMPLE: 1123501

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Ethylbenzene	ug/kg	50	45.5	91	72-123	
Isopropylbenzene (Cumene)	ug/kg	50	46.0	92	65-123	
Methyl-tert-butyl ether	ug/kg	100	80.9	81	68-120	
Naphthalene	ug/kg	50	46.4	93	67-131	
Tetrachloroethene	ug/kg	50	41.9	84	72-126	
Toluene	ug/kg	50	43.3	87	71-121	
Trichloroethene	ug/kg	50	41.6	83	74-123	
Vinyl chloride	ug/kg	50	47.7	95	55-128	
Xylene (Total)	ug/kg	150	140	93	66-124	
4-Bromofluorobenzene (S)	%.			93	56-144	
Dibromofluoromethane (S)	%.			96	85-118	
Toluene-d8 (S)	%.			101	71-128	

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QUALITY CONTROL DATA

Project: Sibley - Accucast

Pace Project No.: 5099627

QC Batch: OEXT/36210 Analysis Method: EPA 8082
 QC Batch Method: EPA 3546 Analysis Description: 8082 GCS PCB
 Associated Lab Samples: 5099627001, 5099627002, 5099627003, 5099627004, 5099627005, 5099627006, 5099627007, 5099627008, 5099627009, 5099627010, 5099627011, 5099627012, 5099627014, 5099627015, 5099627016, 5099627017, 5099627018

METHOD BLANK: 1116370 Matrix: Solid
 Associated Lab Samples: 5099627001, 5099627002, 5099627003, 5099627004, 5099627005, 5099627006, 5099627007, 5099627008, 5099627009, 5099627010, 5099627011, 5099627012, 5099627014, 5099627015, 5099627016, 5099627017, 5099627018

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
PCB-1016 (Aroclor 1016)	ug/kg	ND	100	06/27/14 01:01	
PCB-1221 (Aroclor 1221)	ug/kg	ND	100	06/27/14 01:01	
PCB-1232 (Aroclor 1232)	ug/kg	ND	100	06/27/14 01:01	
PCB-1242 (Aroclor 1242)	ug/kg	ND	100	06/27/14 01:01	
PCB-1248 (Aroclor 1248)	ug/kg	ND	100	06/27/14 01:01	
PCB-1254 (Aroclor 1254)	ug/kg	ND	100	06/27/14 01:01	
PCB-1260 (Aroclor 1260)	ug/kg	ND	100	06/27/14 01:01	
Tetrachloro-m-xylene (S)	%	82	30-106	06/27/14 01:01	

LABORATORY CONTROL SAMPLE: 1116371

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
PCB-1016 (Aroclor 1016)	ug/kg	167	136	82	42-100	
PCB-1260 (Aroclor 1260)	ug/kg	167	145	87	40-106	
Tetrachloro-m-xylene (S)	%			82	30-106	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1116372 1116373

Parameter	Units	1116372		1116373		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual	
		5099627003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result							MSD Result
PCB-1016 (Aroclor 1016)	ug/kg	ND	199	198	155	159	78	80	10-145	3	20	
PCB-1260 (Aroclor 1260)	ug/kg	ND	199	198	153	165	77	83	16-132	8	20	
Tetrachloro-m-xylene (S)	%						87	86	30-106			

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QUALITY CONTROL DATA

Project: Sibley - Accucast

Pace Project No.: 5099627

QC Batch: OEXT/36200 Analysis Method: EPA 8270
 QC Batch Method: EPA 3546 Analysis Description: 8270 Solid MSSV Microwave Short Spike
 Associated Lab Samples: 5099627001, 5099627002, 5099627003, 5099627004, 5099627005, 5099627006, 5099627007, 5099627008, 5099627009

METHOD BLANK: 1115928 Matrix: Solid
 Associated Lab Samples: 5099627001, 5099627002, 5099627003, 5099627004, 5099627005, 5099627006, 5099627007, 5099627008, 5099627009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
2,4,5-Trichlorophenol	ug/kg	ND	330	06/23/14 16:46	
2,4,6-Trichlorophenol	ug/kg	ND	330	06/23/14 16:46	
2,4-Dichlorophenol	ug/kg	ND	330	06/23/14 16:46	
2,4-Dimethylphenol	ug/kg	ND	330	06/23/14 16:46	
2,4-Dinitrophenol	ug/kg	ND	1600	06/23/14 16:46	
2,4-Dinitrotoluene	ug/kg	ND	330	06/23/14 16:46	
2,6-Dinitrotoluene	ug/kg	ND	330	06/23/14 16:46	
2-Chloronaphthalene	ug/kg	ND	330	06/23/14 16:46	
2-Chlorophenol	ug/kg	ND	330	06/23/14 16:46	
2-Methylnaphthalene	ug/kg	ND	330	06/23/14 16:46	
2-Methylphenol(o-Cresol)	ug/kg	ND	330	06/23/14 16:46	
2-Nitroaniline	ug/kg	ND	1600	06/23/14 16:46	
2-Nitrophenol	ug/kg	ND	330	06/23/14 16:46	
3&4-Methylphenol(m&p Cresol)	ug/kg	ND	660	06/23/14 16:46	
3,3'-Dichlorobenzidine	ug/kg	ND	660	06/23/14 16:46	
3-Nitroaniline	ug/kg	ND	1600	06/23/14 16:46	
4,6-Dinitro-2-methylphenol	ug/kg	ND	1600	06/23/14 16:46	
4-Bromophenylphenyl ether	ug/kg	ND	330	06/23/14 16:46	
4-Chloro-3-methylphenol	ug/kg	ND	660	06/23/14 16:46	
4-Chloroaniline	ug/kg	ND	660	06/23/14 16:46	
4-Chlorophenylphenyl ether	ug/kg	ND	330	06/23/14 16:46	
4-Nitroaniline	ug/kg	ND	1600	06/23/14 16:46	
4-Nitrophenol	ug/kg	ND	1600	06/23/14 16:46	
Acenaphthene	ug/kg	ND	330	06/23/14 16:46	
Acenaphthylene	ug/kg	ND	330	06/23/14 16:46	
Anthracene	ug/kg	ND	330	06/23/14 16:46	
Benzo(a)anthracene	ug/kg	ND	330	06/23/14 16:46	
Benzo(a)pyrene	ug/kg	ND	170	06/23/14 16:46	
Benzo(b)fluoranthene	ug/kg	ND	330	06/23/14 16:46	
Benzo(g,h,i)perylene	ug/kg	ND	330	06/23/14 16:46	
Benzo(k)fluoranthene	ug/kg	ND	330	06/23/14 16:46	
Benzyl alcohol	ug/kg	ND	660	06/23/14 16:46	
bis(2-Chloroethoxy)methane	ug/kg	ND	330	06/23/14 16:46	
bis(2-Chloroethyl) ether	ug/kg	ND	330	06/23/14 16:46	
bis(2-Ethylhexyl)phthalate	ug/kg	ND	330	06/23/14 16:46	
bis(2chloro1 methylethyl) ether	ug/kg	ND	330	06/23/14 16:46	
Butylbenzylphthalate	ug/kg	ND	330	06/23/14 16:46	
Chrysene	ug/kg	ND	330	06/23/14 16:46	
Di-n-butylphthalate	ug/kg	ND	330	06/23/14 16:46	
Di-n-octylphthalate	ug/kg	ND	330	06/23/14 16:46	

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QUALITY CONTROL DATA

Project: Sibley - Accucast

Pace Project No.: 5099627

METHOD BLANK: 1115928

Matrix: Solid

Associated Lab Samples: 5099627001, 5099627002, 5099627003, 5099627004, 5099627005, 5099627006, 5099627007, 5099627008, 5099627009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Dibenz(a,h)anthracene	ug/kg	ND	170	06/23/14 16:46	
Dibenzofuran	ug/kg	ND	330	06/23/14 16:46	
Diethylphthalate	ug/kg	ND	330	06/23/14 16:46	
Dimethylphthalate	ug/kg	ND	330	06/23/14 16:46	
Fluoranthene	ug/kg	ND	330	06/23/14 16:46	
Fluorene	ug/kg	ND	330	06/23/14 16:46	
Hexachloro-1,3-butadiene	ug/kg	ND	330	06/23/14 16:46	
Hexachlorobenzene	ug/kg	ND	330	06/23/14 16:46	
Hexachlorocyclopentadiene	ug/kg	ND	330	06/23/14 16:46	
Hexachloroethane	ug/kg	ND	330	06/23/14 16:46	
Indeno(1,2,3-cd)pyrene	ug/kg	ND	330	06/23/14 16:46	
Isophorone	ug/kg	ND	330	06/23/14 16:46	
N-Nitroso-di-n-propylamine	ug/kg	ND	330	06/23/14 16:46	
N-Nitrosodiphenylamine	ug/kg	ND	330	06/23/14 16:46	
Naphthalene	ug/kg	ND	330	06/23/14 16:46	
Nitrobenzene	ug/kg	ND	330	06/23/14 16:46	
Pentachlorophenol	ug/kg	ND	1600	06/23/14 16:46	
Phenanthrene	ug/kg	ND	330	06/23/14 16:46	
Phenol	ug/kg	ND	330	06/23/14 16:46	
Pyrene	ug/kg	ND	330	06/23/14 16:46	
2,4,6-Tribromophenol (S)	%	76	16-122	06/23/14 16:46	
2-Fluorobiphenyl (S)	%	74	31-94	06/23/14 16:46	
2-Fluorophenol (S)	%	74	24-104	06/23/14 16:46	
Nitrobenzene-d5 (S)	%	70	28-101	06/23/14 16:46	
p-Terphenyl-d14 (S)	%	101	26-110	06/23/14 16:46	
Phenol-d5 (S)	%	75	28-101	06/23/14 16:46	

LABORATORY CONTROL SAMPLE: 1115929

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2,4-Dinitrotoluene	ug/kg	3330	2640	79	39-103	
2-Chlorophenol	ug/kg	3330	2460	74	38-96	
2-Methylnaphthalene	ug/kg	3330	2460	74	36-94	
4-Chloro-3-methylphenol	ug/kg	3330	2570	77	38-104	
4-Nitrophenol	ug/kg	3330	2350	71	34-104	
Acenaphthene	ug/kg	3330	2560	77	43-99	
Acenaphthylene	ug/kg	3330	2530	76	42-101	
Anthracene	ug/kg	3330	2750	82	46-107	
Benzo(a)anthracene	ug/kg	3330	2740	82	45-108	
Benzo(a)pyrene	ug/kg	3330	2810	84	47-113	
Benzo(b)fluoranthene	ug/kg	3330	2740	82	41-110	
Benzo(g,h,i)perylene	ug/kg	3330	2730	82	42-112	
Benzo(k)fluoranthene	ug/kg	3330	2630	79	44-107	

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QUALITY CONTROL DATA

Project: Sibley - Accucast

Pace Project No.: 5099627

LABORATORY CONTROL SAMPLE: 1115929

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chrysene	ug/kg	3330	2810	84	43-103	
Dibenz(a,h)anthracene	ug/kg	3330	2780	83	43-110	
Fluoranthene	ug/kg	3330	2780	83	45-105	
Fluorene	ug/kg	3330	2650	80	42-103	
Indeno(1,2,3-cd)pyrene	ug/kg	3330	2720	82	43-111	
N-Nitroso-di-n-propylamine	ug/kg	3330	2520	76	37-96	
Naphthalene	ug/kg	3330	2350	71	44-100	
Pentachlorophenol	ug/kg	3330	2120	64	21-103	
Phenanthrene	ug/kg	3330	2700	81	44-104	
Phenol	ug/kg	3330	2510	75	37-101	
Pyrene	ug/kg	3330	2790	84	44-105	
2,4,6-Tribromophenol (S)	%			80	16-122	
2-Fluorobiphenyl (S)	%			76	31-94	
2-Fluorophenol (S)	%			74	24-104	
Nitrobenzene-d5 (S)	%			70	28-101	
p-Terphenyl-d14 (S)	%			98	26-110	
Phenol-d5 (S)	%			76	28-101	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1115930 1115931

Parameter	Units	5099559004		MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		Result	Conc.	Spike Conc.	Conc.	Result	Result						
2,4-Dinitrotoluene	ug/kg	ND	4470	4470	4430	1820J	1550J	41	35	15-102		20	
2-Chlorophenol	ug/kg	ND	4470	4470	4430	3200	3000	72	68	22-96	7	20	
2-Methylnaphthalene	ug/kg	ND	4470	4470	4430	3250	3020	73	68	14-107	7	20	
4-Chloro-3-methylphenol	ug/kg	ND	4470	4470	4430	3160J	2870J	71	65	21-105		20	
4-Nitrophenol	ug/kg	ND	4470	4470	4430	ND	ND	45	42	12-107		20	
Acenaphthene	ug/kg	ND	4470	4470	4430	3410	3110	76	70	19-110	9	20	
Acenaphthylene	ug/kg	ND	4470	4470	4430	3290	3010	74	68	21-106	9	20	
Anthracene	ug/kg	ND	4470	4470	4430	3360	3170	75	72	22-112	6	20	
Benzo(a)anthracene	ug/kg	ND	4470	4470	4430	3710	3240	66	56	13-116	14	20	
Benzo(a)pyrene	ug/kg	ND	4470	4470	4430	3700	3180	66	54	11-119	15	20	
Benzo(b)fluoranthene	ug/kg	ND	4470	4470	4430	3690	3000	63	48	10-126	21	20 R1	
Benzo(g,h,i)perylene	ug/kg	ND	4470	4470	4430	3300	2970	63	56	10-114	11	20	
Benzo(k)fluoranthene	ug/kg	ND	4470	4470	4430	3680	3400	65	59	10-117	8	20	
Chrysene	ug/kg	ND	4470	4470	4430	3960	3370	68	55	14-107	16	20	
Dibenz(a,h)anthracene	ug/kg	ND	4470	4470	4430	3110	2950	64	61	10-119	5	20	
Fluoranthene	ug/kg	ND	4470	4470	4430	4970	3890	70	46	17-110	24	20 R1	
Fluorene	ug/kg	ND	4470	4470	4430	3450	3130	77	71	17-115	10	20	
Indeno(1,2,3-cd)pyrene	ug/kg	ND	4470	4470	4430	3270	2940	63	56	11-111	11	20	
N-Nitroso-di-n-propylamine	ug/kg	ND	4470	4470	4430	3200	3090	72	70	18-103	3	20	
Naphthalene	ug/kg	ND	4470	4470	4430	3210	2970	72	67	16-102	8	20	
Pentachlorophenol	ug/kg	ND	4470	4470	4430	ND	ND	61	56	10-100		20	
Phenanthrene	ug/kg	ND	4470	4470	4430	4010	3470	71	60	10-128	14	20	
Phenol	ug/kg	ND	4470	4470	4430	3210	3020	72	68	22-97	6	20 1d	

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QUALITY CONTROL DATA

Project: Sibley - Accucast

Pace Project No.: 5099627

MATRIX SPIKE & MATRIX SPIKE DUPLICATE:		1115930		1115931									
Parameter	Units	5099559004 Result	MS	MSD	MS	MSD	MS	MSD	% Rec	Max			
			Spike Conc.	Spike Conc.	Result	Result	% Rec	% Rec	Limits	RPD	RPD	Qual	
Pyrene	ug/kg	ND	4470	4430	4650	3740	72	52	10-123	22	20	R1	
2,4,6-Tribromophenol (S)	%.						67	66	16-122				
2-Fluorobiphenyl (S)	%.						75	69	31-94				
2-Fluorophenol (S)	%.						71	69	24-104				
Nitrobenzene-d5 (S)	%.						60	56	26-98				
p-Terphenyl-d14 (S)	%.						85	82	26-110				
Phenol-d5 (S)	%.						73	70	28-101				

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QUALITY CONTROL DATA

Project: Sibley - Accucast

Pace Project No.: 5099627

QC Batch: OEXT/36216

Analysis Method: EPA 8270

QC Batch Method: EPA 3546

Analysis Description: 8270 Solid MSSV Microwave Short Spike

Associated Lab Samples: 5099627010, 5099627011, 5099627012

METHOD BLANK: 1116664

Matrix: Solid

Associated Lab Samples: 5099627010, 5099627011, 5099627012

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
2,4,5-Trichlorophenol	ug/kg	ND	330	06/25/14 12:34	
2,4,6-Trichlorophenol	ug/kg	ND	330	06/25/14 12:34	
2,4-Dichlorophenol	ug/kg	ND	330	06/25/14 12:34	
2,4-Dimethylphenol	ug/kg	ND	330	06/25/14 12:34	
2,4-Dinitrophenol	ug/kg	ND	1600	06/25/14 12:34	
2,4-Dinitrotoluene	ug/kg	ND	330	06/25/14 12:34	
2,6-Dinitrotoluene	ug/kg	ND	330	06/25/14 12:34	
2-Chloronaphthalene	ug/kg	ND	330	06/25/14 12:34	
2-Chlorophenol	ug/kg	ND	330	06/25/14 12:34	
2-Methylnaphthalene	ug/kg	ND	330	06/25/14 12:34	
2-Methylphenol(o-Cresol)	ug/kg	ND	330	06/25/14 12:34	
2-Nitroaniline	ug/kg	ND	1600	06/25/14 12:34	
2-Nitrophenol	ug/kg	ND	330	06/25/14 12:34	
3&4-Methylphenol(m&p Cresol)	ug/kg	ND	660	06/25/14 12:34	
3,3'-Dichlorobenzidine	ug/kg	ND	660	06/25/14 12:34	
3-Nitroaniline	ug/kg	ND	1600	06/25/14 12:34	
4,6-Dinitro-2-methylphenol	ug/kg	ND	1600	06/25/14 12:34	
4-Bromophenylphenyl ether	ug/kg	ND	330	06/25/14 12:34	
4-Chloro-3-methylphenol	ug/kg	ND	660	06/25/14 12:34	
4-Chloroaniline	ug/kg	ND	660	06/25/14 12:34	
4-Chlorophenylphenyl ether	ug/kg	ND	330	06/25/14 12:34	
4-Nitroaniline	ug/kg	ND	1600	06/25/14 12:34	
4-Nitrophenol	ug/kg	ND	1600	06/25/14 12:34	
Acenaphthene	ug/kg	ND	330	06/25/14 12:34	
Acenaphthylene	ug/kg	ND	330	06/25/14 12:34	
Anthracene	ug/kg	ND	330	06/25/14 12:34	
Benzo(a)anthracene	ug/kg	ND	330	06/25/14 12:34	
Benzo(a)pyrene	ug/kg	ND	170	06/25/14 12:34	
Benzo(b)fluoranthene	ug/kg	ND	330	06/25/14 12:34	
Benzo(g,h,i)perylene	ug/kg	ND	330	06/25/14 12:34	
Benzo(k)fluoranthene	ug/kg	ND	330	06/25/14 12:34	
Benzyl alcohol	ug/kg	ND	660	06/25/14 12:34	
bis(2-Chloroethoxy)methane	ug/kg	ND	330	06/25/14 12:34	
bis(2-Chloroethyl) ether	ug/kg	ND	330	06/25/14 12:34	
bis(2-Ethylhexyl)phthalate	ug/kg	ND	330	06/25/14 12:34	
bis(2chloro1 methylethyl) ether	ug/kg	ND	330	06/25/14 12:34	
Butylbenzylphthalate	ug/kg	ND	330	06/25/14 12:34	
Chrysene	ug/kg	ND	330	06/25/14 12:34	
Di-n-butylphthalate	ug/kg	ND	330	06/25/14 12:34	
Di-n-octylphthalate	ug/kg	ND	330	06/25/14 12:34	
Dibenz(a,h)anthracene	ug/kg	ND	170	06/25/14 12:34	

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QUALITY CONTROL DATA

Project: Sibley - Accucast

Pace Project No.: 5099627

METHOD BLANK: 1116664

Matrix: Solid

Associated Lab Samples: 5099627010, 5099627011, 5099627012

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Dibenzofuran	ug/kg	ND	330	06/25/14 12:34	
Diethylphthalate	ug/kg	ND	330	06/25/14 12:34	
Dimethylphthalate	ug/kg	ND	330	06/25/14 12:34	
Fluoranthene	ug/kg	ND	330	06/25/14 12:34	
Fluorene	ug/kg	ND	330	06/25/14 12:34	
Hexachloro-1,3-butadiene	ug/kg	ND	330	06/25/14 12:34	
Hexachlorobenzene	ug/kg	ND	330	06/25/14 12:34	
Hexachlorocyclopentadiene	ug/kg	ND	330	06/25/14 12:34	
Hexachloroethane	ug/kg	ND	330	06/25/14 12:34	
Indeno(1,2,3-cd)pyrene	ug/kg	ND	330	06/25/14 12:34	
Isophorone	ug/kg	ND	330	06/25/14 12:34	
N-Nitroso-di-n-propylamine	ug/kg	ND	330	06/25/14 12:34	
N-Nitrosodiphenylamine	ug/kg	ND	330	06/25/14 12:34	
Naphthalene	ug/kg	ND	330	06/25/14 12:34	
Nitrobenzene	ug/kg	ND	330	06/25/14 12:34	
Pentachlorophenol	ug/kg	ND	1600	06/25/14 12:34	
Phenanthrene	ug/kg	ND	330	06/25/14 12:34	
Phenol	ug/kg	ND	330	06/25/14 12:34	
Pyrene	ug/kg	ND	330	06/25/14 12:34	
2,4,6-Tribromophenol (S)	%	80	16-122	06/25/14 12:34	
2-Fluorobiphenyl (S)	%	76	31-94	06/25/14 12:34	
2-Fluorophenol (S)	%	80	24-104	06/25/14 12:34	
Nitrobenzene-d5 (S)	%	77	28-101	06/25/14 12:34	
p-Terphenyl-d14 (S)	%	106	26-110	06/25/14 12:34	
Phenol-d5 (S)	%	79	28-101	06/25/14 12:34	

LABORATORY CONTROL SAMPLE: 1116665

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2,4-Dinitrotoluene	ug/kg	3330	2580	77	39-103	
2-Chlorophenol	ug/kg	3330	2370	71	38-96	
2-Methylnaphthalene	ug/kg	3330	2340	70	36-94	
4-Chloro-3-methylphenol	ug/kg	3330	2420	73	38-104	
4-Nitrophenol	ug/kg	3330	2330	70	34-104	
Acenaphthene	ug/kg	3330	2420	73	43-99	
Acenaphthylene	ug/kg	3330	2440	73	42-101	
Anthracene	ug/kg	3330	2560	77	46-107	
Benzo(a)anthracene	ug/kg	3330	2620	79	45-108	
Benzo(a)pyrene	ug/kg	3330	2690	81	47-113	
Benzo(b)fluoranthene	ug/kg	3330	2410	72	41-110	
Benzo(g,h,i)perylene	ug/kg	3330	2660	80	42-112	
Benzo(k)fluoranthene	ug/kg	3330	2710	81	44-107	
Chrysene	ug/kg	3330	2720	81	43-103	
Dibenz(a,h)anthracene	ug/kg	3330	2710	81	43-110	

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QUALITY CONTROL DATA

Project: Sibley - Accucast

Pace Project No.: 5099627

LABORATORY CONTROL SAMPLE: 1116665

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Fluoranthene	ug/kg	3330	2650	79	45-105	
Fluorene	ug/kg	3330	2550	76	42-103	
Indeno(1,2,3-cd)pyrene	ug/kg	3330	2650	80	43-111	
N-Nitroso-di-n-propylamine	ug/kg	3330	2370	71	37-96	
Naphthalene	ug/kg	3330	2280	68	44-100	
Pentachlorophenol	ug/kg	3330	1910	57	21-103	
Phenanthrene	ug/kg	3330	2500	75	44-104	
Phenol	ug/kg	3330	2410	72	37-101	
Pyrene	ug/kg	3330	2670	80	44-105	
2,4,6-Tribromophenol (S)	%			73	16-122	
2-Fluorobiphenyl (S)	%			70	31-94	
2-Fluorophenol (S)	%			71	24-104	
Nitrobenzene-d5 (S)	%			68	28-101	
p-Terphenyl-d14 (S)	%			90	26-110	
Phenol-d5 (S)	%			73	28-101	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1116666 1116667

Parameter	Units	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual	
		5099627011 Result	Spike Conc.	Spike Conc.	MS Result							MSD Result
2,4-Dinitrotoluene	ug/kg	ND	3660	3630	2640	2620	72	72	15-102	1	20	
2-Chlorophenol	ug/kg	ND	3660	3630	2330	2380	64	65	22-96	2	20	
2-Methylnaphthalene	ug/kg	ND	3660	3630	2320	2390	63	66	14-107	3	20	
4-Chloro-3-methylphenol	ug/kg	ND	3660	3630	2500	2360	68	65	21-105	6	20	
4-Nitrophenol	ug/kg	ND	3660	3630	2570	2690	70	74	12-107	5	20	
Acenaphthene	ug/kg	ND	3660	3630	2420	2400	66	66	19-110	1	20	
Acenaphthylene	ug/kg	ND	3660	3630	2450	2410	67	66	21-106	1	20	
Anthracene	ug/kg	ND	3660	3630	2530	2410	69	66	22-112	5	20	
Benzo(a)anthracene	ug/kg	ND	3660	3630	2470	2400	68	66	13-116	3	20	
Benzo(a)pyrene	ug/kg	ND	3660	3630	2510	2460	69	68	11-119	2	20	
Benzo(b)fluoranthene	ug/kg	ND	3660	3630	2300	2240	63	62	10-126	2	20	
Benzo(g,h,i)perylene	ug/kg	ND	3660	3630	2430	2330	66	64	10-114	4	20	
Benzo(k)fluoranthene	ug/kg	ND	3660	3630	2500	2480	68	68	10-117	1	20	
Chrysene	ug/kg	ND	3660	3630	2550	2490	70	69	14-107	2	20	
Dibenz(a,h)anthracene	ug/kg	ND	3660	3630	2510	2390	69	66	10-119	5	20	
Fluoranthene	ug/kg	ND	3660	3630	2600	2530	71	70	17-110	3	20	
Fluorene	ug/kg	ND	3660	3630	2540	2490	69	68	17-115	2	20	
Indeno(1,2,3-cd)pyrene	ug/kg	ND	3660	3630	2430	2360	66	65	11-111	3	20	
N-Nitroso-di-n-propylamine	ug/kg	ND	3660	3630	2440	2560	67	70	18-103	5	20	
Naphthalene	ug/kg	ND	3660	3630	2260	2350	62	65	16-102	4	20	
Pentachlorophenol	ug/kg	ND	3660	3630	2270	2340	62	64	10-100	3	20	
Phenanthrene	ug/kg	ND	3660	3630	2480	2410	68	66	10-128	3	20	
Phenol	ug/kg	ND	3660	3630	2390	2470	65	68	22-97	3	20	
Pyrene	ug/kg	ND	3660	3630	2610	2540	71	70	10-123	3	20	
2,4,6-Tribromophenol (S)	%						72	72	16-122			

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QUALITY CONTROL DATA

Project: Sibley - Accucast

Pace Project No.: 5099627

MATRIX SPIKE & MATRIX SPIKE DUPLICATE:		1116666		1116667									
Parameter	Units	5099627011	MS	MSD	MS	MSD	MS	MSD	% Rec	Max	RPD	RPD	Qual
		Result	Spike	Spike	Result	Result	% Rec	% Rec	Limits				
2-Fluorobiphenyl (S)	%.						65	67	31-94				
2-Fluorophenol (S)	%.						65	72	24-104				
Nitrobenzene-d5 (S)	%.						63	70	26-98				
p-Terphenyl-d14 (S)	%.						85	85	26-110				
Phenol-d5 (S)	%.						66	75	28-101				

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QUALITY CONTROL DATA

Project: Sibley - Accucast

Pace Project No.: 5099627

QC Batch: OEXT/36221

Analysis Method: EPA 8270

QC Batch Method: EPA 3546

Analysis Description: 8270 Solid MSSV Microwave Short Spike

Associated Lab Samples: 5099627014, 5099627015, 5099627016, 5099627017, 5099627018

METHOD BLANK: 1117083

Matrix: Solid

Associated Lab Samples: 5099627014, 5099627015, 5099627016, 5099627017, 5099627018

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
2,4,5-Trichlorophenol	ug/kg	ND	330	06/26/14 01:00	
2,4,6-Trichlorophenol	ug/kg	ND	330	06/26/14 01:00	
2,4-Dichlorophenol	ug/kg	ND	330	06/26/14 01:00	
2,4-Dimethylphenol	ug/kg	ND	330	06/26/14 01:00	
2,4-Dinitrophenol	ug/kg	ND	1600	06/26/14 01:00	
2,4-Dinitrotoluene	ug/kg	ND	330	06/26/14 01:00	
2,6-Dinitrotoluene	ug/kg	ND	330	06/26/14 01:00	
2-Chloronaphthalene	ug/kg	ND	330	06/26/14 01:00	
2-Chlorophenol	ug/kg	ND	330	06/26/14 01:00	
2-Methylnaphthalene	ug/kg	ND	330	06/26/14 01:00	
2-Methylphenol(o-Cresol)	ug/kg	ND	330	06/26/14 01:00	
2-Nitroaniline	ug/kg	ND	1600	06/26/14 01:00	
2-Nitrophenol	ug/kg	ND	330	06/26/14 01:00	
3&4-Methylphenol(m&p Cresol)	ug/kg	ND	660	06/26/14 01:00	
3,3'-Dichlorobenzidine	ug/kg	ND	660	06/26/14 01:00	
3-Nitroaniline	ug/kg	ND	1600	06/26/14 01:00	
4,6-Dinitro-2-methylphenol	ug/kg	ND	1600	06/26/14 01:00	
4-Bromophenylphenyl ether	ug/kg	ND	330	06/26/14 01:00	
4-Chloro-3-methylphenol	ug/kg	ND	660	06/26/14 01:00	
4-Chloroaniline	ug/kg	ND	660	06/26/14 01:00	
4-Chlorophenylphenyl ether	ug/kg	ND	330	06/26/14 01:00	
4-Nitroaniline	ug/kg	ND	1600	06/26/14 01:00	
4-Nitrophenol	ug/kg	ND	1600	06/26/14 01:00	
Acenaphthene	ug/kg	ND	330	06/26/14 01:00	
Acenaphthylene	ug/kg	ND	330	06/26/14 01:00	
Anthracene	ug/kg	ND	330	06/26/14 01:00	
Benzo(a)anthracene	ug/kg	ND	330	06/26/14 01:00	
Benzo(a)pyrene	ug/kg	ND	170	06/26/14 01:00	
Benzo(b)fluoranthene	ug/kg	ND	330	06/26/14 01:00	
Benzo(g,h,i)perylene	ug/kg	ND	330	06/26/14 01:00	
Benzo(k)fluoranthene	ug/kg	ND	330	06/26/14 01:00	
Benzyl alcohol	ug/kg	ND	660	06/26/14 01:00	
bis(2-Chloroethoxy)methane	ug/kg	ND	330	06/26/14 01:00	
bis(2-Chloroethyl) ether	ug/kg	ND	330	06/26/14 01:00	
bis(2-Ethylhexyl)phthalate	ug/kg	ND	330	06/26/14 01:00	
bis(2chloro1 methylethyl) ether	ug/kg	ND	330	06/26/14 01:00	
Butylbenzylphthalate	ug/kg	ND	330	06/26/14 01:00	
Chrysene	ug/kg	ND	330	06/26/14 01:00	
Di-n-butylphthalate	ug/kg	ND	330	06/26/14 01:00	
Di-n-octylphthalate	ug/kg	ND	330	06/26/14 01:00	
Dibenz(a,h)anthracene	ug/kg	ND	170	06/26/14 01:00	

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QUALITY CONTROL DATA

Project: Sibley - Accucast

Pace Project No.: 5099627

METHOD BLANK: 1117083

Matrix: Solid

Associated Lab Samples: 5099627014, 5099627015, 5099627016, 5099627017, 5099627018

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Dibenzofuran	ug/kg	ND	330	06/26/14 01:00	
Diethylphthalate	ug/kg	ND	330	06/26/14 01:00	
Dimethylphthalate	ug/kg	ND	330	06/26/14 01:00	
Fluoranthene	ug/kg	ND	330	06/26/14 01:00	
Fluorene	ug/kg	ND	330	06/26/14 01:00	
Hexachloro-1,3-butadiene	ug/kg	ND	330	06/26/14 01:00	
Hexachlorobenzene	ug/kg	ND	330	06/26/14 01:00	
Hexachlorocyclopentadiene	ug/kg	ND	330	06/26/14 01:00	
Hexachloroethane	ug/kg	ND	330	06/26/14 01:00	
Indeno(1,2,3-cd)pyrene	ug/kg	ND	330	06/26/14 01:00	
Isophorone	ug/kg	ND	330	06/26/14 01:00	
N-Nitroso-di-n-propylamine	ug/kg	ND	330	06/26/14 01:00	
N-Nitrosodiphenylamine	ug/kg	ND	330	06/26/14 01:00	
Naphthalene	ug/kg	ND	330	06/26/14 01:00	
Nitrobenzene	ug/kg	ND	330	06/26/14 01:00	
Pentachlorophenol	ug/kg	ND	1600	06/26/14 01:00	
Phenanthrene	ug/kg	ND	330	06/26/14 01:00	
Phenol	ug/kg	ND	330	06/26/14 01:00	
Pyrene	ug/kg	ND	330	06/26/14 01:00	
2,4,6-Tribromophenol (S)	%	78	16-122	06/26/14 01:00	
2-Fluorobiphenyl (S)	%	66	31-94	06/26/14 01:00	
2-Fluorophenol (S)	%	73	24-104	06/26/14 01:00	
Nitrobenzene-d5 (S)	%	68	28-101	06/26/14 01:00	
p-Terphenyl-d14 (S)	%	96	26-110	06/26/14 01:00	
Phenol-d5 (S)	%	76	28-101	06/26/14 01:00	

LABORATORY CONTROL SAMPLE: 1117084

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2,4-Dinitrotoluene	ug/kg	3330	2320	70	39-103	
2-Chlorophenol	ug/kg	3330	2320	69	38-96	
2-Methylnaphthalene	ug/kg	3330	2310	69	36-94	
4-Chloro-3-methylphenol	ug/kg	3330	2560	77	38-104	
4-Nitrophenol	ug/kg	3330	2250	68	34-104	
Acenaphthene	ug/kg	3330	2380	72	43-99	
Acenaphthylene	ug/kg	3330	2380	71	42-101	
Anthracene	ug/kg	3330	2620	79	46-107	
Benzo(a)anthracene	ug/kg	3330	2660	80	45-108	
Benzo(a)pyrene	ug/kg	3330	2760	83	47-113	
Benzo(b)fluoranthene	ug/kg	3330	2600	78	41-110	
Benzo(g,h,i)perylene	ug/kg	3330	2650	80	42-112	
Benzo(k)fluoranthene	ug/kg	3330	2640	79	44-107	
Chrysene	ug/kg	3330	2710	81	43-103	
Dibenz(a,h)anthracene	ug/kg	3330	2750	82	43-110	

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QUALITY CONTROL DATA

Project: Sibley - Accucast

Pace Project No.: 5099627

LABORATORY CONTROL SAMPLE: 1117084

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Fluoranthene	ug/kg	3330	2780	83	45-105	
Fluorene	ug/kg	3330	2550	76	42-103	
Indeno(1,2,3-cd)pyrene	ug/kg	3330	2670	80	43-111	
N-Nitroso-di-n-propylamine	ug/kg	3330	2410	72	37-96	
Naphthalene	ug/kg	3330	2170	65	44-100	
Pentachlorophenol	ug/kg	3330	2190	66	21-103	
Phenanthrene	ug/kg	3330	2560	77	44-104	
Phenol	ug/kg	3330	2390	72	37-101	
Pyrene	ug/kg	3330	2760	83	44-105	
2,4,6-Tribromophenol (S)	%			82	16-122	
2-Fluorobiphenyl (S)	%			67	31-94	
2-Fluorophenol (S)	%			69	24-104	
Nitrobenzene-d5 (S)	%			66	28-101	
p-Terphenyl-d14 (S)	%			95	26-110	
Phenol-d5 (S)	%			71	28-101	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1117085 1117086

Parameter	Units	MS 5099682003		MSD		MS		MSD		% Rec Limits	RPD	Max RPD	Qual
		Result	Spike Conc.	Spike Conc.	Result	Result	% Rec	% Rec					
2,4-Dinitrotoluene	ug/kg	ND	3850	3880	2430	2630	63	68	15-102	8	20		
2-Chlorophenol	ug/kg	ND	3850	3880	2520	2840	65	73	22-96	12	20		
2-Methylnaphthalene	ug/kg	0.89 mg/kg	3850	3880	3570	3140	70	58	14-107	13	20		
4-Chloro-3-methylphenol	ug/kg	ND	3850	3880	2720	3090	71	80	21-105	13	20		
4-Nitrophenol	ug/kg	ND	3850	3880	2750	3140	72	81	12-107	13	20		
Acenaphthene	ug/kg	ND	3850	3880	2610	2790	68	72	19-110	7	20		
Acenaphthylene	ug/kg	ND	3850	3880	2670	2830	68	72	21-106	6	20		
Anthracene	ug/kg	ND	3850	3880	2700	2980	69	75	22-112	10	20		
Benzo(a)anthracene	ug/kg	ND	3850	3880	2700	2760	68	69	13-116	2	20		
Benzo(a)pyrene	ug/kg	ND	3850	3880	2580	2760	65	69	11-119	7	20		
Benzo(b)fluoranthene	ug/kg	ND	3850	3880	2810	2530	70	62	10-126	11	20		
Benzo(g,h,i)perylene	ug/kg	ND	3850	3880	2280	2480	57	62	10-114	9	20		
Benzo(k)fluoranthene	ug/kg	ND	3850	3880	2450	2910	61	72	10-117	17	20		
Chrysene	ug/kg	ND	3850	3880	2810	2890	70	71	14-107	3	20		
Dibenz(a,h)anthracene	ug/kg	ND	3850	3880	2490	2720	65	70	10-119	9	20		
Fluoranthene	ug/kg	ND	3850	3880	2860	3010	71	74	17-110	5	20		
Fluorene	ug/kg	ND	3850	3880	2770	3000	72	77	17-115	8	20		
Indeno(1,2,3-cd)pyrene	ug/kg	ND	3850	3880	2370	2540	60	64	11-111	7	20		
N-Nitroso-di-n-propylamine	ug/kg	ND	3850	3880	2670	2960	69	76	18-103	10	20		
Naphthalene	ug/kg	0.63 mg/kg	3850	3880	3150	2940	65	59	16-102	7	20		
Pentachlorophenol	ug/kg	ND	3850	3880	2260	2480	59	64	10-100	9	20		
Phenanthrene	ug/kg	ND	3850	3880	2950	3020	68	69	10-128	2	20		
Phenol	ug/kg	ND	3850	3880	2610	2950	68	76	22-97	12	20		
Pyrene	ug/kg	ND	3850	3880	2920	3030	72	74	10-123	4	20		

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QUALITY CONTROL DATA

Project: Sibley - Accucast

Pace Project No.: 5099627

MATRIX SPIKE & MATRIX SPIKE DUPLICATE:		1117085			1117086								
Parameter	Units	5099682003	MS	MSD	MS	MSD	MS	MSD	% Rec	Max	RPD	RPD	Qual
		Result	Spike	Spike	Result	Result	% Rec	% Rec	Limits				
2,4,6-Tribromophenol (S)	%.						70	76	16-122				
2-Fluorobiphenyl (S)	%.						62	66	31-94				
2-Fluorophenol (S)	%.						65	71	24-104				
Nitrobenzene-d5 (S)	%.						63	69	26-98				
p-Terphenyl-d14 (S)	%.						83	87	26-110				
Phenol-d5 (S)	%.						69	77	28-101				

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QUALITY CONTROL DATA

Project: Sibley - Accucast

Pace Project No.: 5099627

QC Batch: PMST/9612

Analysis Method: ASTM D2974-87

QC Batch Method: ASTM D2974-87

Analysis Description: Dry Weight/Percent Moisture

Associated Lab Samples: 5099627001, 5099627002, 5099627003, 5099627004, 5099627005, 5099627006

SAMPLE DUPLICATE: 1117967

Parameter	Units	5099874001 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	2.2	1.8	18	5	R1

SAMPLE DUPLICATE: 1117968

Parameter	Units	5099627006 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	14.3	14.1	2	5	

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QUALITY CONTROL DATA

Project: Sibley - Accucast

Pace Project No.: 5099627

QC Batch: PMST/9613

Analysis Method: ASTM D2974-87

QC Batch Method: ASTM D2974-87

Analysis Description: Dry Weight/Percent Moisture

Associated Lab Samples: 5099627007, 5099627008, 5099627009, 5099627010, 5099627011, 5099627012, 5099627014, 5099627015, 5099627016, 5099627017, 5099627018

SAMPLE DUPLICATE: 1117969

Parameter	Units	5099627007 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	14.6	13.7	6	5	R1

SAMPLE DUPLICATE: 1117970

Parameter	Units	5099642009 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	14.1	14.4	2	5	

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QUALIFIERS

Project: Sibley - Accucast
Pace Project No.: 5099627

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	Due to the extract's physical characteristics, the analysis was performed at dilution.SN.06/24/14
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.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Sibley - Accucast

Pace Project No.: 5099627

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
5099627001	P-8 (6-8)	EPA 3546	OEXT/36210	EPA 8082	GCSV/12741
5099627002	TMW-7 (8-10)	EPA 3546	OEXT/36210	EPA 8082	GCSV/12741
5099627003	P-8 (16-18)	EPA 3546	OEXT/36210	EPA 8082	GCSV/12741
5099627004	P-4 (16-18)	EPA 3546	OEXT/36210	EPA 8082	GCSV/12741
5099627005	TMW-9 (3-5)	EPA 3546	OEXT/36210	EPA 8082	GCSV/12741
5099627006	TMW-3 (15-16)	EPA 3546	OEXT/36210	EPA 8082	GCSV/12741
5099627007	TMW-9 (16-18)	EPA 3546	OEXT/36210	EPA 8082	GCSV/12741
5099627008	P-7 (13-15)	EPA 3546	OEXT/36210	EPA 8082	GCSV/12741
5099627009	P-3 (16-18)	EPA 3546	OEXT/36210	EPA 8082	GCSV/12741
5099627010	TMW-7 (14-16)	EPA 3546	OEXT/36210	EPA 8082	GCSV/12741
5099627011	P-4 (5-7)	EPA 3546	OEXT/36210	EPA 8082	GCSV/12741
5099627012	P-7 (5-7)	EPA 3546	OEXT/36210	EPA 8082	GCSV/12741
5099627014	TMW-3 (8-9)	EPA 3546	OEXT/36210	EPA 8082	GCSV/12741
5099627015	P-9 (2-4)	EPA 3546	OEXT/36210	EPA 8082	GCSV/12741
5099627016	P-3 (8-10)	EPA 3546	OEXT/36210	EPA 8082	GCSV/12741
5099627017	P-9 (13-15)	EPA 3546	OEXT/36210	EPA 8082	GCSV/12741
5099627018	Surf-Dupe	EPA 3546	OEXT/36210	EPA 8082	GCSV/12741
5099627001	P-8 (6-8)	EPA 3050	MPRP/13625	EPA 6010	ICP/15863
5099627002	TMW-7 (8-10)	EPA 3050	MPRP/13625	EPA 6010	ICP/15863
5099627003	P-8 (16-18)	EPA 3050	MPRP/13625	EPA 6010	ICP/15863
5099627004	P-4 (16-18)	EPA 3050	MPRP/13625	EPA 6010	ICP/15863
5099627005	TMW-9 (3-5)	EPA 3050	MPRP/13625	EPA 6010	ICP/15863
5099627006	TMW-3 (15-16)	EPA 3050	MPRP/13625	EPA 6010	ICP/15863
5099627007	TMW-9 (16-18)	EPA 3050	MPRP/13625	EPA 6010	ICP/15863
5099627008	P-7 (13-15)	EPA 3050	MPRP/13625	EPA 6010	ICP/15863
5099627009	P-3 (16-18)	EPA 3050	MPRP/13625	EPA 6010	ICP/15863
5099627010	TMW-7 (14-16)	EPA 3050	MPRP/13625	EPA 6010	ICP/15863
5099627011	P-4 (5-7)	EPA 3050	MPRP/13625	EPA 6010	ICP/15863
5099627012	P-7 (5-7)	EPA 3050	MPRP/13625	EPA 6010	ICP/15863
5099627014	TMW-3 (8-9)	EPA 3050	MPRP/13625	EPA 6010	ICP/15863
5099627015	P-9 (2-4)	EPA 3050	MPRP/13625	EPA 6010	ICP/15863
5099627016	P-3 (8-10)	EPA 3050	MPRP/13625	EPA 6010	ICP/15863
5099627017	P-9 (13-15)	EPA 3050	MPRP/13625	EPA 6010	ICP/15863
5099627018	Surf-Dupe	EPA 3050	MPRP/13625	EPA 6010	ICP/15863
5099627001	P-8 (6-8)	EPA 3546	OEXT/36200	EPA 8270	MSSV/15562
5099627002	TMW-7 (8-10)	EPA 3546	OEXT/36200	EPA 8270	MSSV/15562
5099627003	P-8 (16-18)	EPA 3546	OEXT/36200	EPA 8270	MSSV/15562
5099627004	P-4 (16-18)	EPA 3546	OEXT/36200	EPA 8270	MSSV/15562
5099627005	TMW-9 (3-5)	EPA 3546	OEXT/36200	EPA 8270	MSSV/15562
5099627006	TMW-3 (15-16)	EPA 3546	OEXT/36200	EPA 8270	MSSV/15562
5099627007	TMW-9 (16-18)	EPA 3546	OEXT/36200	EPA 8270	MSSV/15562
5099627008	P-7 (13-15)	EPA 3546	OEXT/36200	EPA 8270	MSSV/15562
5099627009	P-3 (16-18)	EPA 3546	OEXT/36200	EPA 8270	MSSV/15562
5099627010	TMW-7 (14-16)	EPA 3546	OEXT/36216	EPA 8270	MSSV/15571
5099627011	P-4 (5-7)	EPA 3546	OEXT/36216	EPA 8270	MSSV/15571
5099627012	P-7 (5-7)	EPA 3546	OEXT/36216	EPA 8270	MSSV/15571
5099627014	TMW-3 (8-9)	EPA 3546	OEXT/36221	EPA 8270	MSSV/15575

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Sibley - Accucast

Pace Project No.: 5099627

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
5099627015	P-9 (2-4)	EPA 3546	OEXT/36221	EPA 8270	MSSV/15575
5099627016	P-3 (8-10)	EPA 3546	OEXT/36221	EPA 8270	MSSV/15575
5099627017	P-9 (13-15)	EPA 3546	OEXT/36221	EPA 8270	MSSV/15575
5099627018	Surf-Dupe	EPA 3546	OEXT/36221	EPA 8270	MSSV/15575
5099627001	P-8 (6-8)	EPA 8260	MSV/66379		
5099627002	TMW-7 (8-10)	EPA 8260	MSV/66379		
5099627003	P-8 (16-18)	EPA 8260	MSV/66379		
5099627004	P-4 (16-18)	EPA 8260	MSV/66379		
5099627005	TMW-9 (3-5)	EPA 8260	MSV/66420		
5099627006	TMW-3 (15-16)	EPA 8260	MSV/66420		
5099627007	TMW-9 (16-18)	EPA 8260	MSV/66420		
5099627008	P-7 (13-15)	EPA 8260	MSV/66420		
5099627009	P-3 (16-18)	EPA 8260	MSV/66420		
5099627010	TMW-7 (14-16)	EPA 8260	MSV/66420		
5099627011	P-4 (5-7)	EPA 8260	MSV/66523		
5099627012	P-7 (5-7)	EPA 8260	MSV/66523		
5099627014	TMW-3 (8-9)	EPA 8260	MSV/66420		
5099627015	P-9 (2-4)	EPA 8260	MSV/66420		
5099627016	P-3 (8-10)	EPA 8260	MSV/66523		
5099627017	P-9 (13-15)	EPA 8260	MSV/66420		
5099627018	Surf-Dupe	EPA 8260	MSV/66438		
5099627019	Trip Blank	EPA 8260	MSV/66438		
5099627001	P-8 (6-8)	ASTM D2974-87	PMST/9612		
5099627002	TMW-7 (8-10)	ASTM D2974-87	PMST/9612		
5099627003	P-8 (16-18)	ASTM D2974-87	PMST/9612		
5099627004	P-4 (16-18)	ASTM D2974-87	PMST/9612		
5099627005	TMW-9 (3-5)	ASTM D2974-87	PMST/9612		
5099627006	TMW-3 (15-16)	ASTM D2974-87	PMST/9612		
5099627007	TMW-9 (16-18)	ASTM D2974-87	PMST/9613		
5099627008	P-7 (13-15)	ASTM D2974-87	PMST/9613		
5099627009	P-3 (16-18)	ASTM D2974-87	PMST/9613		
5099627010	TMW-7 (14-16)	ASTM D2974-87	PMST/9613		
5099627011	P-4 (5-7)	ASTM D2974-87	PMST/9613		
5099627012	P-7 (5-7)	ASTM D2974-87	PMST/9613		
5099627014	TMW-3 (8-9)	ASTM D2974-87	PMST/9613		
5099627015	P-9 (2-4)	ASTM D2974-87	PMST/9613		
5099627016	P-3 (8-10)	ASTM D2974-87	PMST/9613		
5099627017	P-9 (13-15)	ASTM D2974-87	PMST/9613		
5099627018	Surf-Dupe	ASTM D2974-87	PMST/9613		

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.

Section A Required Client Information:	Section B Required Project Information:	Section C Invoice Information:
Company: <u>Wenver Sons Consulting</u>	Report To: <u>Syrex Stamford</u>	Attention: <u>Lyle Cable</u>
Address: <u>7121 Grape Road</u>	Copy To: <u>ahung@weaver.com</u>	Company Name: <u>Pace Analytical</u>
City: <u>Granger, IN 46530</u>	Purchase Order No.: _____	Address: <u>7726 Moller Rd.</u>
Email To: <u>Stamford@weaver.com</u>	Project Name: <u>Sibley - Accucom</u>	State: <u>IN</u>
Phone: <u>514-271-3447</u>	Project Number: <u>2339-356-03-00</u>	REGULATORY AGENCY
Requested Due Date/TAT: _____		<input type="checkbox"/> NPDES <input type="checkbox"/> GROUND WATER <input type="checkbox"/> DRINKING WATER
		<input type="checkbox"/> UST <input type="checkbox"/> RCRA <input type="checkbox"/> OTHER

ITEM #	Section D Required Client Information	Matrix Codes MATRIX / CODE	COLLECTED		SAMPLE TYPE (G=GRAB C=COMP)	MATRIX CODE (see vial codes to left)	# OF CONTAINERS	Preservatives	Analysis Test ↑	Y/N	Requested Analysis Filtered (Y/N)	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
			COMPOSITE START	COMPOSITE END/GRAB									
1	P-8 (6-8)	DW	6/19 12:35	5	SL 6	SL 6	6	Unpreserved	X	X		-001	
2	TMW-7 (8-10)	WT	6/19 13:25	6	SL 6	SL 6	6	Unpreserved	X	X		-002	
3	P-8 (16-18)	WW	6/19 12:43	6	SL 6	SL 6	6	Unpreserved	X	X		-003	
4	P-4 (16-18)	P	6/19 11:03	6	SL 6	SL 6	6	Unpreserved	X	X		-004	
5	TMW-9 (3-5)	SL	6/19 14:12	6	SL 6	SL 6	6	Unpreserved	X	X		-005	
6	TMW-3 (15-16)	OL	6/19 9:15	6	SL 6	SL 6	6	Unpreserved	X	X		-006	
7	TMW-9 (16-18)	WP	6/19 14:27	6	SL 6	SL 6	6	Unpreserved	X	X		-007	
8	P-7 (13-15)	AR	6/19 12:01	6	SL 6	SL 6	6	Unpreserved	X	X		-008	
9	P-3 (16-18)	TS	6/19 10:20	6	SL 6	SL 6	6	Unpreserved	X	X		-009	
10	TMW-7 (14-16)	OT	6/19 13:43	6	SL 6	SL 6	6	Unpreserved	X	X		-010	
11	P-9 (5-7)		6/19 10:56	6	SL 6	SL 6	6	Unpreserved	X	X		-011	
12	P-7 (5-7)		6/19 10:50	6	SL 6	SL 6	6	Unpreserved	X	X		-012	

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
Hex Ct analysis only done if authorized by project manager. Please retain samples	Alex Huang / Weaver Sons	6/19	10:45	Shantaym Pace	6/19	10:42	Temp in °C Received on Ice (Y/N) Custody Sealed Cooler (Y/N) Samples Intact (Y/N)

SAMPLER NAME AND SIGNATURE
 PRINT Name of SAMPLER: Alex Huang
 SIGNATURE OF SAMPLER: [Signature] DATE SIGNED (MM/DD/YYYY): 06/19/14

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: Werner Bros Consultants
 Address: 721 Grape Road
 Email To: Oranger, JN 96530
 Phone: 518-271-3947 Fax:
 Requested Due Date/TAT:

Section B
 Required Project Information:
 Report To: Steve Stanford
 Copy To: ahung@wernerbros.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 Mollen Rd.
 Pace Quote Reference:
 Pace Project Manager: Cyle Cable
 Pace Profile #:

Section D
 Regulatory Agency: JN
 NPDES GROUND WATER DRINKING WATER
 UST RCRA OTHER
 Site Location: JN
 STATE: JN

Page: 2 of 2
 1804998

ITEM #	SAMPLE ID (A-Z, 0-9, /, -) Sample IDs MUST BE UNIQUE	Matrix Codes MATRIX / CODE Drinking Water DW Water WT Waste Water WW Product P Soil/Solid SL Oil OL Wipe WP Air AR Tissue TS Other OT	COLLECTED		SAMPLE TYPE (G=GRAB C=COMP) (see vial codes to left)	MATRIX CODE (see vial codes to left)	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives Unpreserved H ₂ SO ₄ HNO ₃ HCl NaOH Na ₂ O ₃ Methanol Other	ACCEPTED BY / AFFILIATION	DATE	TIME	DATE	TIME	SAMPLE CONDITIONS	Requested Analysis Filtered (Y/N)	Residual Chlorine (Y/N)	
			COMPOSITE START	COMPOSITE END/GRAB														
1	P-7 (5-7)				G	SL	6/19 11:50	6										
2	TMM-2 (8-9)				G	SL	6/19 9:00	6										
3	P-9 (2-4)				G	SL	6/19 15:00	6										
4	P-3 (8-10)				G	SL	6/19 9:55	6										
5	P-9 (13-15)				G	SL	6/19 15:10	6										
6	Surf-Dupe				G	WT	6/19	6										
7	Trip Blank						X	3										
8																		
9																		
10																		
11																		
12																		
ADDITIONAL COMMENTS: Hex Cr analysis only done Alex Hung/Werner Bros 8/19 10:45 Hex Cr transmitted from Pace 6/21/14 10:42 if authorized by project manager, please retain samples.																		
Relinquished By / Affiliation: Alex Hung Date: 06/19/14 Time: 10:45 Date Signed (MM/DD/YYYY): 06/19/14 Signature of Sampler: Alex Hung Print Name of Sampler: Alex Hung Sampler Name and Signature: Alex Hung																		
Temp in °C: _____ Received on Ice (Y/N): _____ Custody Sealed Cooler (Y/N): _____ Samples Intact (Y/N): _____																		

Sample Condition Upon Receipt



Client Name: WEAVER BOOZ Project # 5099627

Masker

Courier: Fed Ex UPS USPS Client Commercial Pace Other

Tracking #: 805 5144 5082

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

Date/Time 5035A kits placed in freezer
6/20/14 11:20

Packing Material: Bubble Wrap Bubble Bags None Other

Thermometer Used 12346 ABCDE Type of Ice: Wet Blue None Samples on ice, cooling process has begun

Cooler Temperature 1.0, 1.0°C Ice Visible in Sample Containers: yes no

Temp should be above freezing to 6°C

Date and initials of person examining contents: 6/20/14 SJ

Comments:

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 type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	7. <u>See below</u>
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 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 type="checkbox"/> No <input checked="" type="checkbox"/> N/A	10.
Trip Blank Present:	<input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	11. <u>TERRA-CORE TB</u>
Trip Blank Custody Seals Present	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
Project Manager Review		
Samples Arrived within Hold Time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	12.
Sufficient Volume:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	13.
Correct Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	14.

Client Notification/ Resolution:

Person Contacted: STEVE STURD Date/Time: 6/9 12:04

Field Data Required? Y / N

Comments/ Resolution:

7) (1) P-8 (16-18) WGFU possible cooler water contamination
(1) TMW-3 (15-16) WGFU possible cooler water contamination

PER STEVE, METALS LIST IS Sb, As, Co, Fe, Cr, Se, Ti, Pb

Project Manager Review:

[Signature]

Date: 6-20-14

Sample Container Count



CLIENT: WEAVER BOOS

COC PAGE 1 of 2

COC ID# 1804997

Project # 5096A

vt

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																						

111 of 161

Container Codes	DG9H	AG1U	WG9U	R	BP2N	BP2U	BP2S	BP3N	BP3U	BP3S	AG3S	AG1H	BP3C	BP1U	SPST	pH < 2	pH > 12	Comments	
DG9H	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 amber glass	BP1S	1 liter H2SO4 plastic	DG9S	40mL H2SO4 amber vial												
WG9U	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	I	Wipe/Swab												
BP2U	500mL unpreserved plastic	AG2S	500mL H2SO4 amber glass	BP2O	500mL NaOH plastic	JGFU	4oz unpreserved amber wide												
BP2S	500mL H2SO4 plastic	AG2U	500mL unpreserved amber glass	BP2Z	500mL NaOH, Zn Ac	U	Summa Can												
BP3N	250mL HNO3 plastic	AG3U	250mL unpreserved amber glass	AF	Air Filter	VG9H	40mL HCL clear vial												
BP3U	250mL unpreserved plastic	BG1H	1 liter HCL clear glass	BP3C	250mL NaOH plastic	VG9T	40mL Na Thio. clear vial												
BP3S	250mL H2SO4 plastic	BG1S	1 liter H2SO4 clear glass	BP3Z	250mL NaOH, Zn Ac plastic	VG9U	40mL unpreserved clear vial												
AG3S	250mL H2SO4 glass amber	BG1T	1 liter Na Thiosulfate clear glass	C	Air Cassettes	VSG	Headspace septa vial & HCL												
AG1S	1 liter H2SO4 amber glass	BG1U	1 liter unpreserved glass	DG9B	40mL Na Bisulfate amber vial	WGFY	4oz wide jar w/hexane wipe												
BP1U	1 liter unpreserved plastic	BP1A	1 liter NaOH, Asc Acid plastic	DG9M	40mL MeOH clear vial	ZPLC	Ziploc Bag												

Sample Container Count



CLIENT: WEAVER BOOS

COC PAGE 22 of 180498
COC ID# 180498

Project # SOA627

Wub

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

Container Codes	DG9H	40mL HCL	amber vial	AG0U	100mL	unpreserved	amber glass	BP1N	1 liter	HNO3	plastic	DG9P	40mL	TSP	amber vial
DG9H	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	amber glass	BP1S	1 liter	H2SO4	plastic	DG9S	40mL	H2SO4	amber vial
WGUFU	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		1	Wipe/Swab	
BP2U	500mL	unpreserved	plastic	AG2S	500mL	H2SO4	amber glass	BP2O	500mL	NaOH	plastic	JGFU	4oz	unpreserved	amber wide
BP2S	500mL	H2SO4	plastic	AG2U	500mL	unpreserved	amber glass	BP2Z	500mL	NaOH, Zn Ac			U	Summa	Can
BP3N	250mL	HNO3	plastic	AG3U	250mL	unpreserved	amber glass	AF	Air	Filter		VG9H	40mL	HCL	clear vial
BP3U	250mL	unpreserved	plastic	BG1H	1 liter	HCL	clear glass	BP3C	250mL	NaOH	plastic	VG9T	40mL	Na Thio.	clear vial
BP3S	250mL	H2SO4	plastic	BG1S	1 liter	H2SO4	clear glass	BP3Z	250mL	NaOH, Zn Ac	plastic	VG9U	40mL	unpreserved	clear vial
AG3S	250mL	H2SO4	glass	BG1T	1 liter	Na Thiosulfate	clear glass	C	Air	Cassettes		VSG	Headspace	septa vial & HCL	
AG1S	1 liter	H2SO4	amber glass	BG1U	1 liter	unpreserved	glass	DG9B	40mL	Na Bisulfate	amber vial	WGFU	4oz	wide jar	w/hexane wipe
BP1U	1 liter	unpreserved	plastic	BP1A	1 liter	NaOH, Asc Acid	plastic	DG9M	40mL	MeOH	clear vial	ZPLC	Ziploc	Bag	

MSV - FORM II VOA-1
SOLID VOLATILE SURROGATE RECOVERY

Lab Name: Pace Analytical - Indiana SDG No.: 5099627 Contract: Sibley - Accucast

Instrument ID: 50MV1A

LAB SAMPLE ID	SAMPLE NAME	BFB	DIBF	TOL8
1122141	1122141BLANK	96	93	100
1122142	1122142LCS	92	95	98
1122274	1122274BLANK	94	89	101
1122275	1122275LCS	93	92	99
1123500	1123500BLANK	92	93	99
1123501	1123501LCS	93	96	101
5099627005	TMW-9 (3-5)	94	98	99
5099627006	TMW-3 (15-16)	94	95	100
5099627007	TMW-9 (16-18)	91	91	99
5099627008	P-7 (13-15)	94	94	100
5099627009	P-3 (16-18)	94	98	100
5099627010	TMW-7 (14-16)	91	96	98
5099627011	P-4 (5-7)	93	95	99
5099627012	P-7 (5-7)	92	95	102
5099627014	TMW-3 (8-9)	93	86	101
5099627015	P-9 (2-4)	94	89	101
5099627016	P-3 (8-10)	94	97	103
5099627017	P-9 (13-15)	93	86	101
5099627018	Surf-Dupe	94	94	101
5099627019	Trip Blank	94	95	99

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 II VOA-1
SOLID VOLATILE SURROGATE RECOVERY

Lab Name: Pace Analytical - Indiana SDG No.: 5099627 Contract: Sibley - Accucast

Instrument ID: 50MV1B

LAB SAMPLE ID	SAMPLE NAME	BFB	DIBF	TOL8
1121337	1121337BLANK	95	101	99
1121338	1121338LCS	99	102	99
5099627001	P-8 (6-8)	95	93	97
5099627002	TMW-7 (8-10)	97	94	99
5099627003	P-8 (16-18)	93	91	98
5099627004	P-4 (16-18)	93	95	98

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

* Values outside of QC Limits

QC LIMITS

(56-144)

(85-118)

(71-128)

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

Lab Name: Pace Analytical - Indiana
 Date Extracted: 07/01/2014
 Instrument: 50MV1B
 Lab File ID: B070114.B\D02LCS.D

Lab Sample ID: 1121338LCS
 Date Analyzed (1): 07/01/2014
 LCS Lot No: 71089
 SDG No.: 5099627

COMPOUND	AMOUNT ADDED (ug/kg)	LCS CONCENTRATION (ug/kg)	LCS %REC	QC LIMITS REC.
Benzene	50.0	48.7	97	74-119
Chlorobenzene	50.0	46.3	93	77-122
Chloroform	50.0	45.4	91	75-124
1,1-Dichloroethene	50.0	44.4	89	66-126
1,2-Dichloropropane	50.0	43.6	87	75-118
Ethylbenzene	50.0	47.0	94	72-123
Isopropylbenzene (Cumene)	50.0	49.7	99	65-123
Methyl-tert-butyl ether	100	91.3	91	68-120
Naphthalene	50.0	50.4	101	67-131
1,1,2,2-Tetrachloroethane	50.0	45.2	90	65-124
Tetrachloroethene	50.0	43.4	87	72-126
Toluene	50.0	45.9	92	71-121
1,1,1-Trichloroethane	50.0	46.0	92	70-123
Trichloroethene	50.0	46.8	94	74-123
1,2,4-Trimethylbenzene	50.0	48.3	97	67-126
Vinyl chloride	50.0	47.9	96	55-128
Xylene (Total)	150	145	97	66-124

Spike Recovery: 0 out of 17 outside limits.

07/17/2014 9:26

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

Lab Name: Pace Analytical - Indiana
 Date Extracted: 07/02/2014
 Instrument: 50MV1A
 Lab File ID: A070214.B\A02LCSS.D

Lab Sample ID: 1122142LCS
 Date Analyzed (1): 07/02/2014
 LCS Lot No: 71089
 SDG No.: 5099627

COMPOUND	AMOUNT ADDED (ug/kg)	LCS CONCENTRATION (ug/kg)	LCS %REC	QC LIMITS REC.
Benzene	50.0	43.2	86	74-119
Chlorobenzene	50.0	42.1	84	77-122
Chloroform	50.0	37.7	75	75-124
1,1-Dichloroethene	50.0	37.8	76	66-126
1,2-Dichloropropane	50.0	41.0	82	75-118
Ethylbenzene	50.0	41.9	84	72-123
Isopropylbenzene (Cumene)	50.0	43.2	86	65-123
Methyl-tert-butyl ether	100	73.0	73	68-120
Naphthalene	50.0	49.4	99	67-131
1,1,2,2-Tetrachloroethane	50.0	46.0	92	65-124
Tetrachloroethene	50.0	40.1	80	72-126
Toluene	50.0	41.5	83	71-121
1,1,1-Trichloroethane	50.0	36.7	73	70-123
Trichloroethene	50.0	41.1	82	74-123
1,2,4-Trimethylbenzene	50.0	46.5	93	67-126
Vinyl chloride	50.0	42.3	85	55-128
Xylene (Total)	150	131	87	66-124

Spike Recovery: 0 out of 17 outside limits.

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

Lab Name: Pace Analytical - Indiana
 Date Extracted: 07/03/2014
 Instrument: 50MV1A
 Lab File ID: A070214.B\C03LCSSX.D

Lab Sample ID: 1122275LCS
 Date Analyzed (1): 07/03/2014
 LCS Lot No: 71089
 SDG No.: 5099627

COMPOUND	AMOUNT ADDED (ug/kg)	LCS CONCENTRATION (ug/kg)	LCS %REC	QC LIMITS REC.
Benzene	50.0	46.4	93	74-119
Chlorobenzene	50.0	44.1	88	77-122
Chloroform	50.0	40.0	80	75-124
1,1-Dichloroethene	50.0	44.4	89	66-126
1,2-Dichloropropane	50.0	43.6	87	75-118
Ethylbenzene	50.0	45.5	91	72-123
Isopropylbenzene (Cumene)	50.0	45.4	91	65-123
Methyl-tert-butyl ether	100	87.0	87	68-120
Naphthalene	50.0	48.9	98	67-131
1,1,2,2-Tetrachloroethane	50.0	45.3	91	65-124
Tetrachloroethene	50.0	42.1	84	72-126
Toluene	50.0	44.5	89	71-121
1,1,1-Trichloroethane	50.0	38.6	77	70-123
Trichloroethene	50.0	42.8	86	74-123
1,2,4-Trimethylbenzene	50.0	47.2	94	67-126
Vinyl chloride	50.0	50.3	101	55-128
Xylene (Total)	150	138	92	66-124

Spike Recovery: 0 out of 17 outside limits.

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

Lab Name: Pace Analytical - Indiana
 Date Extracted: 07/03/2014
 Instrument: 50MV1A
 Lab File ID: A070314.B\A02LCSS.D

Lab Sample ID: 1123501LCS
 Date Analyzed (1): 07/03/2014
 LCS Lot No: 71089
 SDG No.: 5099627

COMPOUND	AMOUNT ADDED (ug/kg)	LCS CONCENTRATION (ug/kg)	LCS %REC	QC LIMITS REC.
Benzene	50.0	45.0	90	74-119
Chlorobenzene	50.0	43.8	88	77-122
Chloroform	50.0	39.1	78	75-124
1,1-Dichloroethene	50.0	43.8	88	66-126
1,2-Dichloropropane	50.0	41.4	83	75-118
Ethylbenzene	50.0	45.5	91	72-123
Isopropylbenzene (Cumene)	50.0	46.0	92	65-123
Methyl-tert-butyl ether	100	80.9	81	68-120
Naphthalene	50.0	46.4	93	67-131
1,1,2,2-Tetrachloroethane	50.0	42.9	86	65-124
Tetrachloroethene	50.0	41.9	84	72-126
Toluene	50.0	43.3	87	71-121
1,1,1-Trichloroethane	50.0	38.0	76	70-123
Trichloroethene	50.0	41.6	83	74-123
1,2,4-Trimethylbenzene	50.0	47.1	94	67-126
Vinyl chloride	50.0	47.7	95	55-128
Xylene (Total)	150	140	93	66-124

Spike Recovery: 0 out of 17 outside limits.

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

Lab Name: Pace Analytical - Indiana
 Date Extracted: 07/02/2014
 Instrument: 50MV1B
 Parent Sample ID: 5099517019

Matrix Spike - Sample No: 1121339MS
 Date Analyzed (1): 07/02/2014
 Lab File ID: B070114.B\D07.D
 SDG No.: 5099627

COMPOUND	SPIKE ADDED (ug/kg)	SAMPLE CONCENTRATION (ug/kg)	MS CONCENTRATION (ug/kg)	MS %REC	QC LIMITS REC.
1,1,1-Trichloroethane	45.6	ND	41.1	90	26-143
1,1,2,2-Tetrachloroethane	45.6	ND	41.3	91	10-156
1,1-Dichloroethene	45.6	ND	42.4	93	31-146
1,2,4-Trimethylbenzene	45.6	ND	47.3	104	10-139
1,2-Dichloropropane	45.6	ND	41.6	91	29-135
Benzene	45.6	ND	46.8	103	27-140
Chlorobenzene	45.6	ND	43.1	95	10-136
Chloroform	45.6	ND	42.0	92	36-138
Ethylbenzene	45.6	ND	44.4	98	10-144
Isopropylbenzene (Cumene)	45.6	ND	46.5	102	10-134
Methyl-tert-butyl ether	91.0	ND	78.2	86	30-147
Naphthalene	45.6	ND	42.0	92	10-130
Tetrachloroethene	45.6	8.3	75.5	148	10-153
Toluene	45.6	ND	44.6	98	10-140
Trichloroethene	45.6	ND	44.3	97	17-148
Vinyl chloride	45.6	ND	45.0	99	30-145
Xylene (Total)	136	ND	137	100	10-143

Spike Recovery: 0 out of 17 outside limits.

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

Instrument (2): 50MV1B Matrix Spike Duplicate - Sample No: 1121340MSD
 Lab File ID (2): B070114.B\08.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-Trichloroethane	54.9	48.7	89	17	0-20	26-143
1,1,2,2-Tetrachloroethane	54.9	50.5	92	20	0-20	10-156
1,1-Dichloroethene	54.9	51.2	93	19	0-20	31-146
1,2,4-Trimethylbenzene	54.9	56.4	103	17	0-20	10-139
1,2-Dichloropropane	54.9	49.8	91	18	0-20	29-135
Benzene	54.9	55.9	102	18	0-20	27-140
Chlorobenzene	54.9	50.8	93	17	0-20	10-136
Chloroform	54.9	50.4	92	18	0-20	36-138
Ethylbenzene	54.9	53.2	97	18	0-20	10-144
Isopropylbenzene (Cumene)	54.9	54.1	99	15	0-20	10-134
Methyl-tert-butyl ether	110	95.1	87	19	0-20	30-147
Naphthalene	54.9	50.4	92	18	0-20	10-130
Tetrachloroethene	54.9	150	258	66	0-20	10-153
Toluene	54.9	51.7	94	15	0-20	10-140
Trichloroethene	54.9	52.7	96	17	0-20	17-148
Vinyl chloride	54.9	53.9	98	18	0-20	30-145
Xylene (Total)	164	162	98	17	0-20	10-143

RPD: 1 out of 17 outside limits.

Spike Recovery: 1 out of 17 outside limits.

07/17/2014 9:25

MSV - FORM IV VOA-1
VOLATILE METHOD BLANK SUMMARY

SAMPLE NO.

1121337BLANK

Lab Name: Pace Analytical - Indiana SDG No.: 5099627 Contract: Sibley - Accucast
Instrument ID: 50MV1B Matrix: Solid Lab Sample ID: 1121337
Lab File ID: B070114.B\D03MB.D Date Analyzed: 07/01/2014 Time: 23:21

SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	ANALYZED
1121338LCS	1121338	B070114.B\D02LCS.D	07/01/2014 22:47
P-8 (6-8)	5099627001	B070114.B\D17.D	07/02/2014 07:12
TMW-7 (8-10)	5099627002	B070114.B\D18.D	07/02/2014 07:46
P-8 (16-18)	5099627003	B070114.B\D19.D	07/02/2014 08:20
P-4 (16-18)	5099627004	B070114.B\D20.D	07/02/2014 08:54

MSV - FORM IV VOA-1
VOLATILE METHOD BLANK SUMMARY

SAMPLE NO.

1122141BLANK

Lab Name: Pace Analytical - Indiana SDG No.: 5099627 Contract: Sibley - Accucast
Instrument ID: 50MV1A Matrix: Solid Lab Sample ID: 1122141
Lab File ID: A070214.B\A03MBS.D Date Analyzed: 07/02/2014 Time: 12:26

SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	ANALYZED
1122142LCS	1122142	A070214.B\A02LCSS.D	07/02/2014 11:52
TMW-9 (3-5)	5099627005	A070214.B\A09.D	07/02/2014 15:48
TMW-3 (15-16)	5099627006	A070214.B\A10.D	07/02/2014 16:21
TMW-9 (16-18)	5099627007	A070214.B\A11.D	07/02/2014 16:55
P-7 (13-15)	5099627008	A070214.B\A12.D	07/02/2014 17:29
P-3 (16-18)	5099627009	A070214.B\A13.D	07/02/2014 18:03
TMW-7 (14-16)	5099627010	A070214.B\A14.D	07/02/2014 18:37
TMW-3 (8-9)	5099627014	A070214.B\A17.D	07/02/2014 20:18
P-9 (2-4)	5099627015	A070214.B\A18.D	07/02/2014 20:51
P-9 (13-15)	5099627017	A070214.B\A20.D	07/02/2014 21:58

MSV - FORM IV VOA-1
VOLATILE METHOD BLANK SUMMARY

SAMPLE NO.

1122274BLANK

Lab Name: Pace Analytical - Indiana SDG No.: 5099627 Contract: Sibley - Accucast
Instrument ID: 50MV1A Matrix: Solid Lab Sample ID: 1122274
Lab File ID: A070214.B\C05MBSX.D Date Analyzed: 07/03/2014 Time: 01:19

SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	ANALYZED
1122275LCS	1122275	A070214.B\C03LCSSX.D	07/03/2014 00:12
Surf-Dupe	5099627018	A070214.B\C11.D	07/03/2014 04:40
Trip Blank	5099627019	A070214.B\C12.D	07/03/2014 05:13

MSV - FORM IV VOA-1
VOLATILE METHOD BLANK SUMMARY

SAMPLE NO.

1123500BLANK

Lab Name: Pace Analytical - Indiana SDG No.: 5099627 Contract: Sibley - Accucast
Instrument ID: 50MV1A Matrix: Solid Lab Sample ID: 1123500
Lab File ID: A070314.B\A04MBS.D Date Analyzed: 07/03/2014 Time: 13:56

SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	ANALYZED
1123501LCS	1123501	A070314.B\A02LCSS.D	07/03/2014 12:49
P-4 (5-7)	5099627011	A070314.B\A06.D	07/03/2014 15:03
P-3 (8-10)	5099627016	A070314.B\A07.D	07/03/2014 15:36
P-7 (5-7)	5099627012	A070314.B\A09.D	07/03/2014 16:44

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

Lab Name: Pace Analytical - Indiana SDG No.: 5099627 Contract: Sibley - Accucast
 Lab File ID: A061914CAL.BVA00BFB.D BFB Injection Date: 06/19/2014
 Instrument ID: 50MV1A BFB Injection Time: 13:15

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.00 - 40.00% of mass 95	18.85
75	30.00 - 60.00% of mass 95	56.73
95	Base Peak, 100.00% relative abundance	100.00
96	5.00 - 9.00% of mass 95	6.91
173	Less than 2.00% of mass 174	0.00
174	50.00 - 100.00% of mass 95	90.53
175	5.00 - 9.00% of mass 174	7.30 (8.06) ¹
176	95.00 - 101.00% of mass 174	87.90 (97.11) ¹
177	5.00 - 9.00% of mass 176	5.59 (6.36) ²

1 - Value is % mass 174

2 - Value is % mass 176

SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
6888129CAL1	6888129CAL1	A061914CAL.BVA01CAL.D	06/19/2014	13:49
6888130CAL2	6888130CAL2	A061914CAL.BVA02CAL.D	06/19/2014	14:23
6879319CAL3	6879319CAL3	A061914CAL.BVA03CAL.D	06/19/2014	14:56
6879320CAL4	6879320CAL4	A061914CAL.BVA04CAL.D	06/19/2014	15:30
6879313CAL5	6879313CAL5	A061914CAL.BVA05CAL.D	06/19/2014	16:03
6879316CAL6	6879316CAL6	A061914CAL.BVA06CAL.D	06/19/2014	16:37
6879309CAL7	6879309CAL7	A061914CAL.BVA07CAL.D	06/19/2014	17:11
6879310CAL8	6879310CAL8	A061914CAL.BVA08CAL.D	06/19/2014	17:44
6879312ICV	6879312ICV	A061914CAL.BVA10ICV.D	06/19/2014	18:51

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

Lab Name: Pace Analytical - Indiana SDG No.: 5099627 Contract: Sibley - Accucast
 Lab File ID: A070214.BVA00BFB.D BFB Injection Date: 07/02/2014
 Instrument ID: 50MV1A BFB Injection Time: 10:45

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.00 - 40.00% of mass 95	16.21
75	30.00 - 60.00% of mass 95	49.42
95	Base Peak, 100.00% relative abundance	100.00
96	5.00 - 9.00% of mass 95	6.32
173	Less than 2.00% of mass 174	0.00
174	50.00 - 100.00% of mass 95	89.37
175	5.00 - 9.00% of mass 174	6.67 (7.46) ¹
176	95.00 - 101.00% of mass 174	87.76 (98.19) ¹
177	5.00 - 9.00% of mass 176	5.85 (6.66) ²

1 - Value is % mass 174

2 - Value is % mass 176

SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
6930017CCV	6930017CCV	A070214.BVA01CCV.D	07/02/2014	11:19
1122142LCS	1122142LCS	A070214.BVA02LCSS.D	07/02/2014	11:52
1122141BLANK	1122141BLANK	A070214.BVA03MBS.D	07/02/2014	12:26
TMW-9 (3-5)	5099627005	A070214.BVA09.D	07/02/2014	15:48
TMW-3 (15-16)	5099627006	A070214.BVA10.D	07/02/2014	16:21
TMW-9 (16-18)	5099627007	A070214.BVA11.D	07/02/2014	16:55
P-7 (13-15)	5099627008	A070214.BVA12.D	07/02/2014	17:29
P-3 (16-18)	5099627009	A070214.BVA13.D	07/02/2014	18:03
TMW-7 (14-16)	5099627010	A070214.BVA14.D	07/02/2014	18:37
TMW-3 (8-9)	5099627014	A070214.BVA17.D	07/02/2014	20:18
P-9 (2-4)	5099627015	A070214.BVA18.D	07/02/2014	20:51
P-9 (13-15)	5099627017	A070214.BVA20.D	07/02/2014	21:58

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

Lab Name: Pace Analytical - Indiana SDG No.: 5099627 Contract: Sibley - Accucast
 Lab File ID: A070214.B\C00BFB.D BFB Injection Date: 07/02/2014
 Instrument ID: 50MV1A BFB Injection Time: 22:32

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.00 - 40.00% of mass 95	15.63
75	30.00 - 60.00% of mass 95	48.84
95	Base Peak, 100.00% relative abundance	100.00
96	5.00 - 9.00% of mass 95	6.79
173	Less than 2.00% of mass 174	0.13 (0.14) ¹
174	50.00 - 100.00% of mass 95	88.92
175	5.00 - 9.00% of mass 174	6.59 (7.41) ¹
176	95.00 - 101.00% of mass 174	86.71 (97.51) ¹
177	5.00 - 9.00% of mass 176	5.69 (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
6930227CCV	6930227CCV	A070214.B\C01CCV.D	07/02/2014	23:05
1122275LCS	1122275LCS	A070214.B\C03LCSSX.D	07/03/2014	00:12
1122274BLANK	1122274BLANK	A070214.B\C05MBSX.D	07/03/2014	01:19
Surf-Dupe	5099627018	A070214.B\C11.D	07/03/2014	04:40
Trip Blank	5099627019	A070214.B\C12.D	07/03/2014	05:13

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

Lab Name: Pace Analytical - Indiana SDG No.: 5099627 Contract: Sibley - Accucast
 Lab File ID: A070314.BVA00BFB.D BFB Injection Date: 07/03/2014
 Instrument ID: 50MV1A BFB Injection Time: 11:43

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.00 - 40.00% of mass 95	15.42
75	30.00 - 60.00% of mass 95	48.47
95	Base Peak, 100.00% relative abundance	100.00
96	5.00 - 9.00% of mass 95	6.42
173	Less than 2.00% of mass 174	0.29 (0.31) ¹
174	50.00 - 100.00% of mass 95	93.66
175	5.00 - 9.00% of mass 174	6.64 (7.09) ¹
176	95.00 - 101.00% of mass 174	93.61 (99.94) ¹
177	5.00 - 9.00% of mass 176	6.38 (6.82) ²

1 - Value is % mass 174

2 - Value is % mass 176

SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
6933401CCV	6933401CCV	A070314.BVA01CCV.D	07/03/2014	12:16
1123501LCS	1123501LCS	A070314.BVA02LCSS.D	07/03/2014	12:49
1123500BLANK	1123500BLANK	A070314.BVA04MBS.D	07/03/2014	13:56
P-4 (5-7)	5099627011	A070314.BVA06.D	07/03/2014	15:03
P-3 (8-10)	5099627016	A070314.BVA07.D	07/03/2014	15:36
P-7 (5-7)	5099627012	A070314.BVA09.D	07/03/2014	16:44

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

Lab Name: Pace Analytical - Indiana SDG No.: 5099627 Contract: Sibley - Accucast
 Lab File ID: B061914CAL.B\B00BFB.D BFB Injection Date: 06/19/2014
 Instrument ID: 50MV1B BFB Injection Time: 13:32

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.00 - 40.00% of mass 95	18.62
75	30.00 - 60.00% of mass 95	56.01
95	Base Peak, 100.00% relative abundance	100.00
96	5.00 - 9.00% of mass 95	6.34
173	Less than 2.00% of mass 174	0.00
174	50.00 - 100.00% of mass 95	90.84
175	5.00 - 9.00% of mass 174	6.85 (7.54) ¹
176	95.00 - 101.00% of mass 174	90.35 (99.46) ¹
177	5.00 - 9.00% of mass 176	6.04 (6.68) ²

1 - Value is % mass 174

2 - Value is % mass 176

SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
6888105CAL1	6888105CAL1	B061914CAL.B\B01CAL.D	06/19/2014	14:06
6888108CAL2	6888108CAL2	B061914CAL.B\B02CAL.D	06/19/2014	14:40
6888100CAL3	6888100CAL3	B061914CAL.B\B03CAL.D	06/19/2014	15:13
6888104CAL4	6888104CAL4	B061914CAL.B\B04CAL.D	06/19/2014	15:47
6888102CAL5	6888102CAL5	B061914CAL.B\B05CAL.D	06/19/2014	16:20
6888103CAL6	6888103CAL6	B061914CAL.B\B06CAL.D	06/19/2014	16:54
6888107CAL7	6888107CAL7	B061914CAL.B\B07CAL.D	06/19/2014	17:27
6888101CAL8	6888101CAL8	B061914CAL.B\B08CAL.D	06/19/2014	18:01
6888106ICV	6888106ICV	B061914CAL.B\B10ICV.D	06/19/2014	19:08

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

Lab Name: Pace Analytical - Indiana SDG No.: 5099627 Contract: Sibley - Accucast
 Lab File ID: B070114.BD00BFB.D BFB Injection Date: 07/01/2014
 Instrument ID: 50MV1B BFB Injection Time: 21:40

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.00 - 40.00% of mass 95	18.29
75	30.00 - 60.00% of mass 95	55.79
95	Base Peak, 100.00% relative abundance	100.00
96	5.00 - 9.00% of mass 95	6.56
173	Less than 2.00% of mass 174	0.20 (0.22) ¹
174	50.00 - 100.00% of mass 95	88.41
175	5.00 - 9.00% of mass 174	6.51 (7.37) ¹
176	95.00 - 101.00% of mass 174	85.94 (97.21) ¹
177	5.00 - 9.00% of mass 176	5.53 (6.43) ²

1 - Value is % mass 174

2 - Value is % mass 176

SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
6923543CCV	6923543CCV	B070114.BD01CCV.D	07/01/2014	22:14
1121338LCS	1121338LCS	B070114.BD02LCS.D	07/01/2014	22:47
1121337BLANK	1121337BLANK	B070114.BD03MB.D	07/01/2014	23:21
P-8 (6-8)	5099627001	B070114.BD17.D	07/02/2014	07:12
TMW-7 (8-10)	5099627002	B070114.BD18.D	07/02/2014	07:46
P-8 (16-18)	5099627003	B070114.BD19.D	07/02/2014	08:20
P-4 (16-18)	5099627004	B070114.BD20.D	07/02/2014	08:54

MSV - FORM VI VOA-1
MSV INITIAL CALIBRATION DATA

Lab Name: Pace Analytical - Indiana Instrument ID: 50MV1A GC Column: Col 1 SDG No.: 5099627
 Calibration Date(s): 06/19/2014 06/19/2014 Calibration Time(s): 13:49 17:44

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			0.03477	0.03674	0.02976	0.02787
Acrolein	Averaged	0.01488	0.01283	0.01413	0.01314	0.01420	0.01435
Acrylonitrile	Averaged		0.03481	0.03474	0.03923	0.03471	0.03343
Benzene	Averaged	1.06503	1.10637	1.10027	1.25870	1.17805	1.13144
Bromobenzene	Averaged	0.71912	0.82104	0.76936	0.88982	0.81034	0.76530
Bromochloromethane	Averaged		0.13696	0.15336	0.16002	0.15642	0.14159
Bromodichloromethane	Averaged	0.00000	0.00000	0.32607	0.35875	0.34885	0.35808
Bromoform	Linear			0.18507	0.23559	0.22934	0.26360
Bromomethane	Linear		0.06616	0.11946	0.12651	0.15899	0.19149
2-Butanone (MEK)	Averaged		0.00000	0.04880	0.05440	0.04819	0.04497
n-Butylbenzene	Averaged		3.05976	3.21073	4.18542	3.87904	3.70105
sec-Butylbenzene	Averaged		3.67680	3.84165	4.76106	4.39165	4.20569
tert-Butylbenzene	Averaged	2.28725	2.66973	2.61456	3.27764	3.01352	2.97254
Carbon disulfide	Averaged		0.90103	0.89313	1.04535	0.94909	0.88741
Carbon tetrachloride	Averaged			0.29426	0.39872	0.38328	0.38667
Chlorobenzene	Averaged	1.07135	1.09388	1.05713	1.14213	1.05563	1.01354
Chloroethane	Averaged		0.22579	0.19922	0.19849	0.22623	0.21718
Chloroform	Averaged		0.58954	0.54451	0.63682	0.57283	0.54541
Chloromethane	Averaged	0.00000	0.35187	0.34679	0.32069	0.34047	0.34847
2-Chlorotoluene	Averaged	2.24703	2.46952	2.65138	3.14752	2.86501	2.69080
4-Chlorotoluene	Averaged	0.67732	0.74173	0.74443	0.94065	0.81393	0.80404
Dibromochloromethane	Averaged			0.18892	0.23416	0.23920	0.25094
1,2-Dibromoethane (EDB)	Averaged			0.18819	0.21793	0.21888	0.20901
Dibromomethane	Averaged			0.10770	0.13202	0.12008	0.11856
1,2-Dichlorobenzene	Averaged	1.28596	1.31905	1.37562	1.63556	1.45037	1.38185
1,3-Dichlorobenzene	Averaged	1.41067	1.69199	1.60451	1.91459	1.69898	1.62905
1,4-Dichlorobenzene	Averaged	1.43281	1.67121	1.47520	1.80305	1.61377	1.54517
trans-1,4-Dichloro-2-butene	Linear			0.02949	0.04378	0.04420	0.05051
Dichlorodifluoromethane	Averaged	0.44550	0.42388	0.40816	0.43664	0.48116	0.47483
1,1-Dichloroethane	Averaged	0.00000	0.53334	0.51077	0.60850	0.54961	0.51987
1,2-Dichloroethane	Averaged	0.00000	0.00000	0.35223	0.37048	0.34446	0.33198
1,1-Dichloroethene	Averaged	0.26479	0.29739	0.26186	0.31223	0.28508	0.27217
cis-1,2-Dichloroethene	Averaged	0.28160	0.31189	0.29702	0.32432	0.30900	0.30078
trans-1,2-Dichloroethene	Averaged		0.28490	0.27658	0.32728	0.30060	0.28237
1,2-Dichloropropane	Averaged		0.23052	0.22724	0.26750	0.25487	0.24092

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

07/17/2014 9:26

MSV - FORM VI VOA-2
MSV INITIAL CALIBRATION DATA

Lab Name: Pace Analytical - Indiana Instrument ID: 50MV1A GC Column: Col 1 SDG No.: 5099627
 Calibration Date(s): 06/19/2014 06/19/2014 Calibration Time(s): 13:49 17:44

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	0.45001	0.41493	0.41688	0.49026	0.44825	0.42613
2,2-Dichloropropane	Averaged			0.31245	0.36889	0.37076	0.38800
1,1-Dichloropropene	Averaged	0.00000	0.39296	0.44383	0.52280	0.48939	0.47468
cis-1,3-Dichloropropene	Averaged			0.32091	0.43986	0.45345	0.49194
trans-1,3-Dichloropropene	Linear		0.20553	0.20907	0.28188	0.29908	0.35143
Ethylbenzene	Averaged	0.55872	0.57478	0.53957	0.68648	0.62573	0.59616
Ethyl methacrylate	Averaged		0.00000	0.21538	0.26823	0.27184	0.28602
Hexachloro-1,3-butadiene	Averaged		0.99367	0.99164	1.23376	1.05711	0.99399
n-Hexane	Averaged		0.53083	0.45299	0.51047	0.47325	0.45023
2-Hexanone	Averaged		0.00000	0.07420	0.10226	0.09174	0.09310
Iodomethane	Linear		0.00000	0.04679	0.09414	0.14143	0.16974
Isopropylbenzene (Cumene)	Averaged		1.94443	1.97350	2.38010	2.20317	2.07489
p-Isopropyltoluene	Averaged		3.21702	3.28840	4.03953	3.74824	3.57498
Methylene Chloride	Linear		2.20377	1.06199	0.67321	0.46376	0.34644
4-Methyl-2-pentanone (MIBK)	Averaged			0.10918	0.14350	0.13279	0.13267
Methyl-tert-butyl ether	Averaged	0.49301	0.49316	0.49216	0.54819	0.50177	0.47370
Naphthalene	Averaged	1.26382	1.22321	1.22071	1.65385	1.49123	1.56167
n-Propylbenzene	Averaged	3.89718	4.35826	4.23308	5.24874	4.88067	4.58987
Styrene	Averaged		1.03605	1.05634	1.30476	1.23120	1.16926
1,1,1,2-Tetrachloroethane	Averaged			0.26731	0.32930	0.32526	0.33034
1,1,2,2-Tetrachloroethane	Averaged	0.00000	0.00000	0.42124	0.51320	0.47217	0.45794
Tetrachloroethene	Averaged	0.43936	0.51469	0.51546	0.60747	0.56054	0.50826
Toluene	Averaged	1.76409	1.77122	1.61726	1.88597	1.73979	1.63442
1,2,3-Trichlorobenzene	Averaged	0.75504	0.85096	0.90561	1.13776	1.03408	1.00231
1,2,4-Trichlorobenzene	Averaged		1.02716	1.09060	1.34056	1.26527	1.23503
1,1,1-Trichloroethane	Averaged			0.41869	0.50956	0.48527	0.48586
1,1,2-Trichloroethane	Averaged			0.17916	0.21832	0.20448	0.18758
Trichloroethene	Averaged		0.33304	0.31703	0.36491	0.34161	0.32914
Trichlorofluoromethane	Averaged	0.55571	0.59397	0.57932	0.56488	0.60495	0.58810
1,2,3-Trichloropropane	Averaged			0.13649	0.16110	0.14408	0.14203
1,2,4-Trimethylbenzene	Averaged	2.50413	2.96555	3.02045	3.61075	3.26481	3.12262
1,3,5-Trimethylbenzene	Averaged		2.84385	2.89105	3.68206	3.36224	3.22268
Vinyl acetate	Averaged		0.22427	0.23669	0.21154	0.24106	0.24436
Vinyl chloride	Averaged	0.35656	0.33012	0.32129	0.32525	0.38190	0.36697
m&p-Xylene	Averaged	0.64864	0.69932	0.71485	0.86475	0.78808	0.73652

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

07/17/2014 9:26

MSV - FORM VI VOA-3
MSV INITIAL CALIBRATION DATA

Lab Name: Pace Analytical - Indiana Instrument ID: 50MV1A GC Column: Col 1 SDG No.: 5099627
 Calibration Date(s): 06/19/2014 06/19/2014 Calibration Time(s): 13:49 17:44

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	0.50730	0.61405	0.62610	0.79128	0.75587	0.71448
4-Bromofluorobenzene (S)	Averaged	0.53810	0.53757	0.54018	0.53650	0.54016	0.54253
Dibromofluoromethane (S)	Averaged	0.24705	0.25007	0.24506	0.24131	0.24533	0.24297
Toluene-d8 (S)	Averaged	1.33266	1.34414	1.34811	1.34812	1.34191	1.30348

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

07/17/2014 9:26

MSV - FORM VI VOA-4
MSV INITIAL CALIBRATION DATA

Lab Name: Pace Analytical - Indiana Instrument ID: 50MV1A GC Column: Col 1 SDG No.: 5099627
 Calibration Date(s): 06/19/2014 06/19/2014 Calibration Time(s): 13:49 17:44

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	0.02634	0.02421
Acrolein	Averaged	0.01432	0.01363
Acrylonitrile	Averaged	0.03243	0.03013
Benzene	Averaged	1.09315	1.02247
Bromobenzene	Averaged	0.73948	0.67723
Bromochloromethane	Averaged	0.11297	
Bromodichloromethane	Averaged	0.37951	0.36684
Bromoform	Linear	0.31956	0.33041
Bromomethane	Linear	0.23799	0.21328
2-Butanone (MEK)	Averaged	0.04135	0.03823
n-Butylbenzene	Averaged	3.37669	2.89173
sec-Butylbenzene	Averaged	3.90717	3.34873
tert-Butylbenzene	Averaged	2.81885	2.44599
Carbon disulfide	Averaged	0.80344	0.75506
Carbon tetrachloride	Averaged	0.41093	0.39831
Chlorobenzene	Averaged	0.96826	0.88782
Chloroethane	Averaged	0.20796	0.19492
Chloroform	Averaged	0.53561	0.49530
Chloromethane	Averaged	0.35206	0.39681
2-Chlorotoluene	Averaged	2.57208	2.30609
4-Chlorotoluene	Averaged	0.79653	0.76725
Dibromochloromethane	Averaged	0.28093	0.27166
1,2-Dibromoethane (EDB)	Averaged	0.21641	0.20523
Dibromomethane	Averaged	0.11769	0.11104
1,2-Dichlorobenzene	Averaged	1.33037	1.23469
1,3-Dichlorobenzene	Averaged	1.57469	1.44189
1,4-Dichlorobenzene	Averaged	1.52859	1.41248
trans-1,4-Dichloro-2-butene	Linear	0.05969	0.05853
Dichlorodifluoromethane	Averaged	0.45013	0.41582
1,1-Dichloroethane	Averaged	0.48994	0.45720
1,2-Dichloroethane	Averaged	0.32184	0.30608
1,1-Dichloroethene	Averaged	0.25849	0.25317
cis-1,2-Dichloroethene	Averaged	0.29034	0.27557
trans-1,2-Dichloroethene	Averaged	0.27052	0.25752
1,2-Dichloropropane	Averaged	0.23945	0.23113

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: 50MV1A GC Column: Col 1 SDG No.: 5099627
 Calibration Date(s): 06/19/2014 06/19/2014 Calibration Time(s): 13:49 17:44

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	0.42798	0.39571
2,2-Dichloropropane	Averaged	0.40174	0.39464
1,1-Dichloropropene	Averaged	0.44999	0.42061
cis-1,3-Dichloropropene	Averaged	0.53660	0.51594
trans-1,3-Dichloropropene	Linear	0.41213	0.40477
Ethylbenzene	Averaged	0.57772	0.53238
Ethyl methacrylate	Averaged	0.30778	0.29205
Hexachloro-1,3-butadiene	Averaged	0.98724	0.92686
n-Hexane	Averaged	0.43502	0.40817
2-Hexanone	Averaged	0.09477	0.08789
Iodomethane	Linear	0.19894	
Isopropylbenzene (Cumene)	Averaged	1.89977	1.59628
p-Isopropyltoluene	Averaged	3.28011	2.83433
Methylene Chloride	Linear	0.27835	0.25765
4-Methyl-2-pentanone (MIBK)	Averaged	0.13364	0.12164
Methyl-tert-butyl ether	Averaged	0.44728	0.40599
Naphthalene	Averaged	1.62772	1.52945
n-Propylbenzene	Averaged	4.19580	3.53628
Styrene	Averaged	1.10740	0.99683
1,1,1,2-Tetrachloroethane	Averaged	0.34003	0.32025
1,1,2,2-Tetrachloroethane	Averaged	0.46967	0.43959
Tetrachloroethene	Averaged	0.48470	0.44235
Toluene	Averaged	1.54275	1.37475
1,2,3-Trichlorobenzene	Averaged	1.01729	0.95165
1,2,4-Trichlorobenzene	Averaged	1.22631	1.14774
1,1,1-Trichloroethane	Averaged	0.49635	0.47316
1,1,2-Trichloroethane	Averaged	0.19041	0.17622
Trichloroethene	Averaged	0.32945	0.30971
Trichlorofluoromethane	Averaged	0.58368	0.53867
1,2,3-Trichloropropane	Averaged	0.14570	0.13612
1,2,4-Trimethylbenzene	Averaged	2.90339	2.51539
1,3,5-Trimethylbenzene	Averaged	2.99006	2.61918
Vinyl acetate	Averaged	0.23913	0.21655
Vinyl chloride	Averaged	0.35273	0.32455
m&p-Xylene	Averaged	0.69055	0.62645

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: 50MV1A GC Column: Col 1 SDG No.: 5099627
Calibration Date(s): 06/19/2014 06/19/2014 Calibration Time(s): 13:49 17:44

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	0.69201	0.64710
4-Bromofluorobenzene (S)	Averaged	0.52457	0.51836
Dibromofluoromethane (S)	Averaged	0.23149	0.22176
Toluene-d8 (S)	Averaged	1.27464	1.25404

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

07/17/2014 9:26

MSV - FORM VI VOA-7
MSV INITIAL CALIBRATION DATA

Lab Name: Pace Analytical - Indiana Instrument ID: 50MV1A GC Column: Col 1 SDG No.: 5099627
 Calibration Date(s): 06/19/2014 06/19/2014 Calibration Time(s): 13:49 17:44

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	16.33028			0.02995	
Acrolein	Averaged	4.91676			0.01393	
Acrylonitrile	Averaged	8.13345			0.03421	
Benzene	Averaged	6.45645			1.11944	
Bromobenzene	Averaged	8.54465			0.77396	
Bromochloromethane	Averaged	12.12968			0.14356	
Bromodichloromethane	Averaged	5.06420			0.35635	
Bromoform	Linear		0.99929	-0.03698	0.33495	
Bromomethane	Linear		0.99608	-0.01011	0.21968	
2-Butanone (MEK)	Averaged	12.53522			0.04599	
n-Butylbenzene	Averaged	13.46348			3.47206	
sec-Butylbenzene	Averaged	11.73544			4.01896	
tert-Butylbenzene	Averaged	11.70752			2.76251	
Carbon disulfide	Averaged	10.59840			0.89064	
Carbon tetrachloride	Averaged	11.22770			0.37869	
Chlorobenzene	Averaged	7.62898			1.03622	
Chloroethane	Averaged	6.28320			0.20997	
Chloroform	Averaged	8.04301			0.56000	
Chloromethane	Averaged	6.53167			0.35102	
2-Chlorotoluene	Averaged	11.24396			2.61868	
4-Chlorotoluene	Averaged	9.73829			0.78573	
Dibromochloromethane	Averaged	13.36434			0.24430	
1,2-Dibromoethane (EDB)	Averaged	5.56891			0.20928	
Dibromomethane	Averaged	7.15572			0.11785	
1,2-Dichlorobenzene	Averaged	8.95257			1.37668	
1,3-Dichlorobenzene	Averaged	9.78647			1.62080	
1,4-Dichlorobenzene	Averaged	8.41479			1.56029	
trans-1,4-Dichloro-2-butene	Linear		0.99944	-0.00453	0.05956	
Dichlorodifluoromethane	Averaged	5.97216			0.44202	
1,1-Dichloroethane	Averaged	9.11517			0.52418	
1,2-Dichloroethane	Averaged	6.76992			0.33785	
1,1-Dichloroethene	Averaged	7.53480			0.27565	
cis-1,2-Dichloroethene	Averaged	5.42684			0.29881	
trans-1,2-Dichloroethene	Averaged	7.91823			0.28568	
1,2-Dichloropropane	Averaged	6.06888			0.24166	

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: 50MV1A GC Column: Col 1 SDG No.: 5099627
 Calibration Date(s): 06/19/2014 06/19/2014 Calibration Time(s): 13:49 17:44

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	6.66164			0.43377	
2,2-Dichloropropane	Averaged	8.65729			0.37275	
1,1-Dichloropropene	Averaged	9.52551			0.45632	
cis-1,3-Dichloropropene	Averaged	16.79407			0.45978	
trans-1,3-Dichloropropene	Linear		0.99944	-0.02732	0.41088	
Ethylbenzene	Averaged	8.58567			0.58644	
Ethyl methacrylate	Averaged	11.65726			0.27355	
Hexachloro-1,3-butadiene	Averaged	9.63837			1.02632	
n-Hexane	Averaged	9.17212			0.46585	
2-Hexanone	Averaged	10.31332			0.09066	
Iodomethane	Linear		0.99907	-0.04800	0.20567	
Isopropylbenzene (Cumene)	Averaged	12.31003			2.01031	
p-Isopropyltoluene	Averaged	11.53081			3.42609	
Methylene Chloride	Linear		0.99966	0.08807	0.24445	
4-Methyl-2-pentanone (MIBK)	Averaged	9.22330			0.12890	
Methyl-tert-butyl ether	Averaged	8.65306			0.48191	
Naphthalene	Averaged	12.59128			1.44646	
n-Propylbenzene	Averaged	12.38812			4.36748	
Styrene	Averaged	9.89178			1.12883	
1,1,1,2-Tetrachloroethane	Averaged	8.16801			0.31875	
1,1,2,2-Tetrachloroethane	Averaged	6.81499			0.46230	
Tetrachloroethene	Averaged	11.08891			0.50910	
Toluene	Averaged	9.56770			1.66628	
1,2,3-Trichlorobenzene	Averaged	12.42918			0.95684	
1,2,4-Trichlorobenzene	Averaged	9.06495			1.19038	
1,1,1-Trichloroethane	Averaged	6.60553			0.47815	
1,1,2-Trichloroethane	Averaged	8.30852			0.19269	
Trichloroethene	Averaged	5.37540			0.33213	
Trichlorofluoromethane	Averaged	3.77181			0.57616	
1,2,3-Trichloropropane	Averaged	6.33387			0.14426	
1,2,4-Trimethylbenzene	Averaged	12.31952			2.98838	
1,3,5-Trimethylbenzene	Averaged	11.63390			3.08730	
Vinyl acetate	Averaged	5.62569			0.23051	
Vinyl chloride	Averaged	6.60190			0.34492	
m&p-Xylene	Averaged	10.61453			0.72115	

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: 50MV1A GC Column: Col 1 SDG No.: 5099627
 Calibration Date(s): 06/19/2014 06/19/2014 Calibration Time(s): 13:49 17:44

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	13.44851			0.66852	
4-Bromofluorobenzene (S)	Averaged	1.60216			0.53475	
Dibromofluoromethane (S)	Averaged	3.90306			0.24063	
Toluene-d8 (S)	Averaged	2.78914			1.31839	

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

07/17/2014 9:26

MSV - FORM VI VOA-1
MSV INITIAL CALIBRATION DATA

Lab Name: Pace Analytical - Indiana Instrument ID: 50MV1B GC Column: Col 1 SDG No.: 5099627
 Calibration Date(s): 06/19/2014 06/19/2014 Calibration Time(s): 14:06 18:01

LAB FILE ID

CAL1 = B061914CAL.B\B01CAL.D CAL2 = B061914CAL.B\B02CAL.D CAL3 = B061914CAL.B\B03CAL.D
 CAL4 = B061914CAL.B\B04CAL.D CAL5 = B061914CAL.B\B05CAL.D CAL6 = B061914CAL.B\B06CAL.D
 CAL7 = B061914CAL.B\B07CAL.D CAL8 = B061914CAL.B\B08CAL.D

COMPOUND	CURVE TYPE	CAL1	CAL2	CAL3	CAL4	CAL5	CAL6
Acetone	Averaged			0.03834	0.03237	0.03177	0.02882
Acrolein	Averaged		0.01428	0.01380	0.01373	0.01517	0.01507
Acrylonitrile	Averaged		0.03479	0.03426	0.03649	0.03554	0.03467
Benzene	Averaged	1.12385	1.06045	1.07771	1.15810	1.17314	1.13000
Bromobenzene	Averaged	0.67346	0.81241	0.75179	0.83466	0.82023	0.77461
Bromochloromethane	Averaged			0.16353	0.14757	0.15215	0.14670
Bromodichloromethane	Averaged			0.31642	0.33624	0.34860	0.36920
Bromoform	Linear			0.19283	0.20991	0.23821	0.28118
Bromomethane	Linear			0.16138	0.15618	0.19061	0.21771
2-Butanone (MEK)	Averaged		0.00000	0.05186	0.04970	0.04981	0.04568
n-Butylbenzene	Averaged			3.21079	3.73820	3.82028	3.63760
sec-Butylbenzene	Averaged		3.50732	3.77582	4.38896	4.35571	4.21646
tert-Butylbenzene	Averaged	2.37009	2.54176	2.62509	3.03937	3.09945	2.98933
Carbon disulfide	Averaged	0.82356	0.86734	0.87281	0.96966	0.96573	0.86876
Carbon tetrachloride	Averaged			0.31680	0.34665	0.37729	0.38635
Chlorobenzene	Averaged		0.99486	1.01064	1.12348	1.07629	1.02354
Chloroethane	Averaged		0.20555	0.21116	0.21086	0.23029	0.22083
Chloroform	Averaged		0.54145	0.55775	0.58557	0.58805	0.55813
Chloromethane	Averaged		0.32350	0.32796	0.33969	0.35647	0.35271
2-Chlorotoluene	Averaged	2.46307	2.48175	2.68641	2.84079	2.78805	2.70533
4-Chlorotoluene	Averaged	0.68416	0.72842	0.75962	0.85332	0.83357	0.80033
Dibromochloromethane	Averaged			0.21087	0.23770	0.24307	0.26569
1,2-Dibromoethane (EDB)	Averaged		0.16692	0.20520	0.21152	0.22554	0.21867
Dibromomethane	Averaged			0.10722	0.11623	0.12555	0.12041
1,2-Dichlorobenzene	Averaged	1.32071	1.38990	1.40487	1.48794	1.46902	1.39244
1,3-Dichlorobenzene	Averaged	1.52870	1.64584	1.59875	1.72148	1.67202	1.62933
1,4-Dichlorobenzene	Averaged	1.44379	1.54933	1.49944	1.59725	1.59959	1.54044
trans-1,4-Dichloro-2-butene	Averaged			0.03937	0.04598	0.05081	0.05741
Dichlorodifluoromethane	Averaged		0.39530	0.44118	0.44613	0.48561	0.47561
1,1-Dichloroethane	Averaged	0.00000	0.54798	0.51581	0.55206	0.54762	0.51771
1,2-Dichloroethane	Averaged	0.00000	0.00000	0.34531	0.34120	0.35684	0.34017
1,1-Dichloroethene	Averaged		0.26155	0.24608	0.28762	0.30034	0.27326
cis-1,2-Dichloroethene	Averaged		0.31628	0.29530	0.31817	0.31829	0.30687
trans-1,2-Dichloroethene	Averaged		0.28350	0.28323	0.30394	0.30191	0.28412
1,2-Dichloropropane	Averaged		0.23199	0.24114	0.26576	0.26143	0.24782

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

07/17/2014 9:26

MSV - FORM VI VOA-2
MSV INITIAL CALIBRATION DATA

Lab Name: Pace Analytical - Indiana Instrument ID: 50MV1B GC Column: Col 1 SDG No.: 5099627
 Calibration Date(s): 06/19/2014 06/19/2014 Calibration Time(s): 14:06 18:01

LAB FILE ID

CAL1 = B061914CAL.B\B01CAL.D CAL2 = B061914CAL.B\B02CAL.D CAL3 = B061914CAL.B\B03CAL.D
 CAL4 = B061914CAL.B\B04CAL.D CAL5 = B061914CAL.B\B05CAL.D CAL6 = B061914CAL.B\B06CAL.D
 CAL7 = B061914CAL.B\B07CAL.D CAL8 = B061914CAL.B\B08CAL.D

COMPOUND	CURVE TYPE	CAL1	CAL2	CAL3	CAL4	CAL5	CAL6
1,3-Dichloropropane	Averaged	0.39132	0.46330	0.46051	0.45719	0.46144	0.44533
2,2-Dichloropropane	Averaged		0.33365	0.31887	0.35579	0.38128	0.39040
1,1-Dichloropropene	Averaged	0.00000	0.40438	0.42685	0.46613	0.48790	0.46751
cis-1,3-Dichloropropene	Averaged			0.36850	0.41540	0.48093	0.52072
trans-1,3-Dichloropropene	Linear		0.21638	0.24553	0.28746	0.32164	0.37140
Ethylbenzene	Averaged	0.53164	0.53717	0.56143	0.64573	0.63076	0.59749
Ethyl methacrylate	Averaged		0.00000	0.22795	0.24897	0.29376	0.30596
Hexachloro-1,3-butadiene	Averaged		0.90241	0.94479	1.11644	1.05351	1.01224
n-Hexane	Averaged		0.52203	0.44438	0.48911	0.47916	0.44724
2-Hexanone	Averaged			0.07538	0.09198	0.09552	0.09751
Iodomethane	Linear			0.07926	0.12397	0.19890	0.25802
Isopropylbenzene (Cumene)	Averaged	1.69883	1.85935	1.92375	2.19025	2.20414	2.08688
p-Isopropyltoluene	Averaged	2.85704	2.98468	3.32172	3.76681	3.67840	3.55234
Methylene Chloride	Linear			0.92026	0.65287	0.44376	0.34648
4-Methyl-2-pentanone (MIBK)	Averaged			0.12107	0.13476	0.13756	0.14276
Methyl-tert-butyl ether	Averaged	0.46528	0.52633	0.50876	0.51068	0.50249	0.48335
Naphthalene	Averaged	1.07094	1.14403	1.15337	1.35234	1.47017	1.58573
n-Propylbenzene	Averaged	3.78243	4.15290	4.25903	4.83574	4.72948	4.64179
Styrene	Averaged		1.02566	1.08715	1.20736	1.22655	1.17832
1,1,1,2-Tetrachloroethane	Averaged			0.28409	0.30698	0.33092	0.33175
1,1,2,2-Tetrachloroethane	Averaged		0.00000	0.44477	0.47425	0.45878	0.48169
Tetrachloroethene	Averaged	0.48545	0.53900	0.54238	0.55079	0.56125	0.50656
Toluene	Averaged	1.69255	1.72440	1.66793	1.78541	1.76871	1.64618
1,2,3-Trichlorobenzene	Averaged		0.96086	0.95324	1.05591	1.01347	1.03895
1,2,4-Trichlorobenzene	Averaged	1.02287	1.11089	1.10243	1.21062	1.19327	1.22969
1,1,1-Trichloroethane	Averaged		0.42321	0.41485	0.46676	0.48904	0.48359
1,1,2-Trichloroethane	Averaged		0.18154	0.19253	0.21714	0.20347	0.19914
Trichloroethene	Averaged	0.29775	0.34448	0.30643	0.33739	0.34094	0.33292
Trichlorofluoromethane	Averaged		0.56662	0.55326	0.58884	0.61557	0.59456
1,2,3-Trichloropropane	Averaged			0.14744	0.13898	0.14335	0.15057
1,2,4-Trimethylbenzene	Averaged	2.44331	2.76569	2.96844	3.21077	3.22404	3.10241
1,3,5-Trimethylbenzene	Averaged	2.63423	2.70769	2.93615	3.35651	3.27578	3.21949
Vinyl acetate	Averaged		0.23302	0.23523	0.22221	0.24941	0.25980
Vinyl chloride	Averaged		0.32340	0.34240	0.34922	0.37902	0.37851
m&p-Xylene	Averaged	0.66066	0.68869	0.70497	0.77189	0.77117	0.73145

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: 50MV1B GC Column: Col 1 SDG No.: 5099627
 Calibration Date(s): 06/19/2014 06/19/2014 Calibration Time(s): 14:06 18:01

LAB FILE ID

CAL1 = B061914CAL.B\B01CAL.D CAL2 = B061914CAL.B\B02CAL.D CAL3 = B061914CAL.B\B03CAL.D
 CAL4 = B061914CAL.B\B04CAL.D CAL5 = B061914CAL.B\B05CAL.D CAL6 = B061914CAL.B\B06CAL.D
 CAL7 = B061914CAL.B\B07CAL.D CAL8 = B061914CAL.B\B08CAL.D

COMPOUND	CURVE TYPE	CAL1	CAL2	CAL3	CAL4	CAL5	CAL6
o-Xylene	Averaged	0.54569	0.61730	0.67670	0.72953	0.72823	0.72264
4-Bromofluorobenzene (S)	Averaged	0.52592	0.53191	0.54548	0.53494	0.53819	0.53588
Dibromofluoromethane (S)	Averaged	0.25241	0.24681	0.24599	0.24059	0.23889	0.23651
Toluene-d8 (S)	Averaged	1.30145	1.33264	1.33439	1.36038	1.34878	1.30565

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

07/17/2014 9:26

MSV - FORM VI VOA-4
MSV INITIAL CALIBRATION DATA

Lab Name: Pace Analytical - Indiana Instrument ID: 50MV1B GC Column: Col 1 SDG No.: 5099627
 Calibration Date(s): 06/19/2014 06/19/2014 Calibration Time(s): 14:06 18:01

LAB FILE ID

CAL1 = B061914CAL.B\B01CAL.D CAL2 = B061914CAL.B\B02CAL.D CAL3 = B061914CAL.B\B03CAL.D
 CAL4 = B061914CAL.B\B04CAL.D CAL5 = B061914CAL.B\B05CAL.D CAL6 = B061914CAL.B\B06CAL.D
 CAL7 = B061914CAL.B\B07CAL.D CAL8 = B061914CAL.B\B08CAL.D

COMPOUND	CURVE TYPE	CAL7	CAL8
Acetone	Averaged	0.02585	0.02319
Acrolein	Averaged	0.01463	0.01366
Acrylonitrile	Averaged	0.03218	0.03005
Benzene	Averaged	1.05486	1.01284
Bromobenzene	Averaged	0.71028	0.66601
Bromochloromethane	Averaged	0.11698	0.11012
Bromodichloromethane	Averaged	0.36589	0.35778
Bromoform	Linear	0.31238	
Bromomethane	Linear	0.23092	0.22578
2-Butanone (MEK)	Averaged	0.04110	0.03742
n-Butylbenzene	Averaged	3.19690	2.81179
sec-Butylbenzene	Averaged	3.74112	3.29279
tert-Butylbenzene	Averaged	2.69625	2.45125
Carbon disulfide	Averaged	0.78565	0.71018
Carbon tetrachloride	Averaged	0.38871	0.38420
Chlorobenzene	Averaged	0.93327	0.88601
Chloroethane	Averaged	0.20261	0.19368
Chloroform	Averaged	0.50827	0.48493
Chloromethane	Averaged	0.33386	0.36520
2-Chlorotoluene	Averaged	2.46049	2.26059
4-Chlorotoluene	Averaged	0.76441	0.75653
Dibromochloromethane	Averaged	0.27248	0.27160
1,2-Dibromoethane (EDB)	Averaged	0.21670	0.20916
Dibromomethane	Averaged	0.11643	0.11258
1,2-Dichlorobenzene	Averaged	1.28681	1.23483
1,3-Dichlorobenzene	Averaged	1.51372	1.42841
1,4-Dichlorobenzene	Averaged	1.46092	1.40032
trans-1,4-Dichloro-2-butene	Averaged	0.06002	0.06103
Dichlorodifluoromethane	Averaged	0.42806	0.40835
1,1-Dichloroethane	Averaged	0.47519	0.44926
1,2-Dichloroethane	Averaged	0.31603	0.30001
1,1-Dichloroethene	Averaged	0.24556	0.24419
cis-1,2-Dichloroethene	Averaged	0.28307	0.27004
trans-1,2-Dichloroethene	Averaged	0.26090	0.24876
1,2-Dichloropropane	Averaged	0.23634	0.22985

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: 50MV1B GC Column: Col 1 SDG No.: 5099627
 Calibration Date(s): 06/19/2014 06/19/2014 Calibration Time(s): 14:06 18:01

LAB FILE ID

CAL1 = B061914CAL.B\B01CAL.D CAL2 = B061914CAL.B\B02CAL.D CAL3 = B061914CAL.B\B03CAL.D
 CAL4 = B061914CAL.B\B04CAL.D CAL5 = B061914CAL.B\B05CAL.D CAL6 = B061914CAL.B\B06CAL.D
 CAL7 = B061914CAL.B\B07CAL.D CAL8 = B061914CAL.B\B08CAL.D

COMPOUND	CURVE TYPE	CAL7	CAL8
1,3-Dichloropropane	Averaged	0.41709	0.40593
2,2-Dichloropropane	Averaged	0.38777	0.38235
1,1-Dichloropropene	Averaged	0.43698	0.41651
cis-1,3-Dichloropropene	Averaged	0.52776	0.52439
trans-1,3-Dichloropropene	Linear	0.41440	0.41639
Ethylbenzene	Averaged	0.55368	0.52915
Ethyl methacrylate	Averaged	0.29755	0.29671
Hexachloro-1,3-butadiene	Averaged	0.93549	0.90222
n-Hexane	Averaged	0.42032	0.39992
2-Hexanone	Averaged	0.09368	0.08930
Iodomethane	Linear	0.25934	
Isopropylbenzene (Cumene)	Averaged	1.80406	1.58232
p-Isopropyltoluene	Averaged	3.12866	2.76307
Methylene Chloride	Linear	0.27528	0.25248
4-Methyl-2-pentanone (MIBK)	Averaged	0.13106	0.12438
Methyl-tert-butyl ether	Averaged	0.43765	0.39601
Naphthalene	Averaged	1.56213	1.52231
n-Propylbenzene	Averaged	3.97473	3.45187
Styrene	Averaged	1.06105	0.99652
1,1,1,2-Tetrachloroethane	Averaged	0.32584	0.32026
1,1,2,2-Tetrachloroethane	Averaged	0.45946	0.44344
Tetrachloroethene	Averaged	0.45832	0.44515
Toluene	Averaged	1.48886	1.37758
1,2,3-Trichlorobenzene	Averaged	0.96545	0.94256
1,2,4-Trichlorobenzene	Averaged	1.15705	1.11973
1,1,1-Trichloroethane	Averaged	0.47490	0.45615
1,1,2-Trichloroethane	Averaged	0.18609	0.18041
Trichloroethene	Averaged	0.31685	0.30126
Trichlorofluoromethane	Averaged	0.55235	0.51750
1,2,3-Trichloropropane	Averaged	0.14357	0.13626
1,2,4-Trimethylbenzene	Averaged	2.75513	2.46615
1,3,5-Trimethylbenzene	Averaged	2.88718	2.57421
Vinyl acetate	Averaged	0.23860	0.21874
Vinyl chloride	Averaged	0.33665	0.32436
m&p-Xylene	Averaged	0.65882	0.62026

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: 50MV1B GC Column: Col 1 SDG No.: 5099627
Calibration Date(s): 06/19/2014 06/19/2014 Calibration Time(s): 14:06 18:01

LAB FILE ID

CAL1 = B061914CAL.B\B01CAL.D CAL2 = B061914CAL.B\B02CAL.D CAL3 = B061914CAL.B\B03CAL.D
CAL4 = B061914CAL.B\B04CAL.D CAL5 = B061914CAL.B\B05CAL.D CAL6 = B061914CAL.B\B06CAL.D
CAL7 = B061914CAL.B\B07CAL.D CAL8 = B061914CAL.B\B08CAL.D

COMPOUND	CURVE TYPE	CAL7	CAL8
o-Xylene	Averaged	0.67114	0.64530
4-Bromofluorobenzene (S)	Averaged	0.53162	0.51260
Dibromofluoromethane (S)	Averaged	0.22560	0.21884
Toluene-d8 (S)	Averaged	1.26764	1.26215

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

07/17/2014 9:26

MSV - FORM VI VOA-7
MSV INITIAL CALIBRATION DATA

Lab Name: Pace Analytical - Indiana Instrument ID: 50MV1B GC Column: Col 1 SDG No.: 5099627
 Calibration Date(s): 06/19/2014 06/19/2014 Calibration Time(s): 14:06 18:01

LAB FILE ID

CAL1 = B061914CAL.B\B01CAL.D CAL2 = B061914CAL.B\B02CAL.D CAL3 = B061914CAL.B\B03CAL.D
 CAL4 = B061914CAL.B\B04CAL.D CAL5 = B061914CAL.B\B05CAL.D CAL6 = B061914CAL.B\B06CAL.D
 CAL7 = B061914CAL.B\B07CAL.D CAL8 = B061914CAL.B\B08CAL.D

COMPOUND	CURVE TYPE	%RSD	R2	A1	A2	A3
Acetone	Averaged	17.80670			0.03006	
Acrolein	Averaged	4.45879			0.01433	
Acrylonitrile	Averaged	6.42627			0.03400	
Benzene	Averaged	5.08766			1.09887	
Bromobenzene	Averaged	8.78926			0.75543	
Bromochloromethane	Averaged	15.11981			0.13951	
Bromodichloromethane	Averaged	5.72326			0.34902	
Bromoform	Linear		0.99931	-0.02505	0.31918	
Bromomethane	Linear		0.99972	-0.00960	0.22864	
2-Butanone (MEK)	Averaged	12.32756			0.04593	
n-Butylbenzene	Averaged	11.53673			3.40259	
sec-Butylbenzene	Averaged	11.03944			3.89688	
tert-Butylbenzene	Averaged	10.31955			2.72657	
Carbon disulfide	Averaged	10.11972			0.85796	
Carbon tetrachloride	Averaged	7.88661			0.36667	
Chlorobenzene	Averaged	7.99485			1.00687	
Chloroethane	Averaged	5.70938			0.21071	
Chloroform	Averaged	7.00730			0.54631	
Chloromethane	Averaged	4.56535			0.34277	
2-Chlorotoluene	Averaged	7.70248			2.58581	
4-Chlorotoluene	Averaged	7.13513			0.77255	
Dibromochloromethane	Averaged	9.70380			0.25024	
1,2-Dibromoethane (EDB)	Averaged	9.23236			0.20767	
Dibromomethane	Averaged	5.41655			0.11640	
1,2-Dichlorobenzene	Averaged	6.35781			1.37331	
1,3-Dichlorobenzene	Averaged	6.02383			1.59228	
1,4-Dichlorobenzene	Averaged	4.81229			1.51139	
trans-1,4-Dichloro-2-butene	Averaged	16.42961			0.05244	
Dichlorodifluoromethane	Averaged	7.49673			0.44003	
1,1-Dichloroethane	Averaged	7.70068			0.51509	
1,2-Dichloroethane	Averaged	6.31412			0.33326	
1,1-Dichloroethene	Averaged	8.43243			0.26552	
cis-1,2-Dichloroethene	Averaged	6.32171			0.30115	
trans-1,2-Dichloroethene	Averaged	7.16060			0.28091	
1,2-Dichloropropane	Averaged	5.76819			0.24490	

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: 50MV1B GC Column: Col 1 SDG No.: 5099627
 Calibration Date(s): 06/19/2014 06/19/2014 Calibration Time(s): 14:06 18:01

LAB FILE ID

CAL1 = B061914CAL.B\B01CAL.D CAL2 = B061914CAL.B\B02CAL.D CAL3 = B061914CAL.B\B03CAL.D
 CAL4 = B061914CAL.B\B04CAL.D CAL5 = B061914CAL.B\B05CAL.D CAL6 = B061914CAL.B\B06CAL.D
 CAL7 = B061914CAL.B\B07CAL.D CAL8 = B061914CAL.B\B08CAL.D

COMPOUND	CURVE TYPE	%RSD	R2	A1	A2	A3
1,3-Dichloropropane	Averaged	6.55412			0.43777	
2,2-Dichloropropane	Averaged	7.86209			0.36430	
1,1-Dichloropropene	Averaged	6.90835			0.44375	
cis-1,3-Dichloropropene	Averaged	14.09465			0.47295	
trans-1,3-Dichloropropene	Linear		0.99978	-0.02662	0.42073	
Ethylbenzene	Averaged	7.97857			0.57338	
Ethyl methacrylate	Averaged	11.47890			0.27849	
Hexachloro-1,3-butadiene	Averaged	8.35855			0.98101	
n-Hexane	Averaged	9.19130			0.45745	
2-Hexanone	Averaged	8.78603			0.09056	
Iodomethane	Linear		0.99941	-0.04386	0.26766	
Isopropylbenzene (Cumene)	Averaged	11.84710			1.91870	
p-Isopropyltoluene	Averaged	11.74151			3.25659	
Methylene Chloride	Linear		0.99918	0.08635	0.24011	
4-Methyl-2-pentanone (MIBK)	Averaged	6.18306			0.13193	
Methyl-tert-butyl ether	Averaged	9.16647			0.47882	
Naphthalene	Averaged	15.32984			1.35763	
n-Propylbenzene	Averaged	11.52935			4.22850	
Styrene	Averaged	8.26094			1.11180	
1,1,1,2-Tetrachloroethane	Averaged	5.79457			0.31664	
1,1,2,2-Tetrachloroethane	Averaged	3.33748			0.46040	
Tetrachloroethene	Averaged	8.64298			0.51111	
Toluene	Averaged	8.60246			1.64395	
1,2,3-Trichlorobenzene	Averaged	4.58162			0.99006	
1,2,4-Trichlorobenzene	Averaged	5.95598			1.14332	
1,1,1-Trichloroethane	Averaged	6.33290			0.45836	
1,1,2-Trichloroethane	Averaged	6.82550			0.19433	
Trichloroethene	Averaged	5.87260			0.32225	
Trichlorofluoromethane	Averaged	5.72904			0.56981	
1,2,3-Trichloropropane	Averaged	3.66890			0.14336	
1,2,4-Trimethylbenzene	Averaged	10.82593			2.86699	
1,3,5-Trimethylbenzene	Averaged	10.31582			2.94891	
Vinyl acetate	Averaged	6.09143			0.23671	
Vinyl chloride	Averaged	6.66096			0.34765	
m&p-Xylene	Averaged	7.80786			0.70099	

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: 50MV1B GC Column: Col 1 SDG No.: 5099627
Calibration Date(s): 06/19/2014 06/19/2014 Calibration Time(s): 14:06 18:01

LAB FILE ID

CAL1 = B061914CAL.B\B01CAL.D CAL2 = B061914CAL.B\B02CAL.D CAL3 = B061914CAL.B\B03CAL.D
CAL4 = B061914CAL.B\B04CAL.D CAL5 = B061914CAL.B\B05CAL.D CAL6 = B061914CAL.B\B06CAL.D
CAL7 = B061914CAL.B\B07CAL.D CAL8 = B061914CAL.B\B08CAL.D

COMPOUND	CURVE TYPE	%RSD	R2	A1	A2	A3
o-Xylene	Averaged	9.56902			0.66707	
4-Bromofluorobenzene (S)	Averaged	1.82069			0.53207	
Dibromofluoromethane (S)	Averaged	4.70439			0.23820	
Toluene-d8 (S)	Averaged	2.75694			1.31413	

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

07/17/2014 9:26

MSV - FORM VII VOA-1
MSV INITIAL CALIBRATION DATA

SAMPLE NO.

6879312ICV

Lab Name: Pace Analytical - Indiana

Calibration Date: 06/19/2014 Time: 18:51

Instrument ID: 50MV1A GC Column: Col 1

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

Lab File ID: A061914CAL.BVA10ICV.D

Init. Calib. Time(s): 13:49 17:44

SDG No.: 5099627

COMPOUND	CURVE	RRF or Amount	RRF or Amount	MIN RRF	%D	MAX %D
Acetone	Averaged	0.02995	0.02760	0.0100	-10.7078	20.0000
Acrolein	Averaged	0.01393	0.01723	0.0000	0.3465	20.0000
Acrylonitrile	Averaged	0.03421	0.03118	0.0000	-4.0347	20.0000
Benzene	Averaged	1.11944	1.11281	0.5000	2.0703	20.0000
Bromobenzene	Averaged	0.77396	0.71521	0.0000	-0.6514	20.0000
Bromochloromethane	Averaged	0.14356	0.13938	0.0000	-0.9163	20.0000
Bromodichloromethane	Averaged	0.35635	0.33313	0.2000	-1.1935	20.0000
Bromoform	Linear	50	41.97563	0.1000	-16.0487	20.0000
Bromomethane	Linear	50	46.55688	0.1000	-6.8862	20.0000
2-Butanone (MEK)	Averaged	0.04599	0.04291	0.0100	-6.5808	20.0000
n-Butylbenzene	Averaged	3.47206	3.66332	0.1000	5.8831	20.0000
sec-Butylbenzene	Averaged	4.01896	4.21815	0.0000	6.4794	20.0000
tert-Butylbenzene	Averaged	2.76251	2.81884	0.0000	6.3982	20.0000
Carbon disulfide	Averaged	0.89064	0.86108	0.1000	-0.5094	20.0000
Carbon tetrachloride	Averaged	0.37869	0.35600	0.1000	1.5723	20.0000
Chlorobenzene	Averaged	1.03622	0.95649	0.5000	-3.5638	20.0000
Chloroethane	Averaged	0.20997	0.21321	0.1000	0.6122	20.0000
Chloroform	Averaged	0.56000	0.52058	0.2000	-2.0168	20.0000
Chloromethane	Averaged	0.35102	0.36406	0.1000	-0.3088	20.0000
2-Chlorotoluene	Averaged	2.61868	2.68256	0.0000	4.2837	20.0000
4-Chlorotoluene	Averaged	0.78573	0.78830	0.0000	2.4546	20.0000
Dibromochloromethane	Averaged	0.24430	0.22897	0.1000	3.2760	20.0000
1,2-Dibromoethane (EDB)	Averaged	0.20928	0.20169	0.1000	-1.7805	20.0000
Dibromomethane	Averaged	0.11785	0.10678	0.0000	-4.5969	20.0000
1,2-Dichlorobenzene	Averaged	1.37668	1.35059	0.4000	0.1776	20.0000
1,3-Dichlorobenzene	Averaged	1.62080	1.60849	0.6000	-0.1028	20.0000
1,4-Dichlorobenzene	Averaged	1.56029	1.52087	0.5000	-1.5457	20.0000
trans-1,4-Dichloro-2-butene	Linear	50	180.1139	0.0000	260.2278	20.0000
Dichlorodifluoromethane	Averaged	0.44202	0.51628	0.1000	4.9539	20.0000
1,1-Dichloroethane	Averaged	0.52418	0.48387	0.2000	-2.5966	20.0000
1,2-Dichloroethane	Averaged	0.33785	0.30649	0.1000	-5.1957	20.0000
1,1-Dichloroethene	Averaged	0.27565	0.24253	0.1000	-3.7435	20.0000
cis-1,2-Dichloroethene	Averaged	0.29881	0.28582	0.1000	-0.2185	20.0000
trans-1,2-Dichloroethene	Averaged	0.28568	0.26034	0.1000	0.4921	20.0000
1,2-Dichloropropane	Averaged	0.24166	0.22660	0.1000	0.1002	20.0000
1,3-Dichloropropane	Averaged	0.43377	0.40842	0.0000	-2.2102	20.0000

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

07/17/2014 9:26

MSV - FORM VII VOA-2
MSV INITIAL CALIBRATION DATA

SAMPLE NO.

6879312ICV

Lab Name: Pace Analytical - Indiana

Calibration Date: 06/19/2014 Time: 18:51

Instrument ID: 50MV1A GC Column: Col 1

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

Lab File ID: A061914CAL.BVA10ICV.D

Init. Calib. Time(s): 13:49 17:44

SDG No.: 5099627

COMPOUND	CURVE	RRF or Amount	RRF or Amount	MIN RRF	%D	MAX %D
2,2-Dichloropropane	Averaged	0.37275	0.37591	0.0000	1.8908	20.0000
1,1-Dichloropropene	Averaged	0.45632	0.45290	0.0000	2.3576	20.0000
cis-1,3-Dichloropropene	Averaged	0.45978	0.44185	0.2000	6.2704	20.0000
trans-1,3-Dichloropropene	Linear	50	42.23844	0.1000	-15.5231	20.0000
Ethylbenzene	Averaged	0.58644	0.56936	0.1000	2.7594	20.0000
Ethyl methacrylate	Averaged	0.27355	1.12736	0.0000	5.0963	20.0000
Hexachloro-1,3-butadiene	Averaged	1.02632	0.99200	0.0000	-0.5180	20.0000
n-Hexane	Averaged	0.46585	0.42050	0.0000	-2.6288	20.0000
2-Hexanone	Averaged	0.09066	0.09093	0.0100	0.5279	20.0000
Iodomethane	Linear	100	74.19170	0.0000	-25.8083	20.0000
Isopropylbenzene (Cumene)	Averaged	2.01031	2.03184	0.1000	3.4512	20.0000
p-Isopropyltoluene	Averaged	3.42609	3.40925	0.0000	3.6301	20.0000
Methylene Chloride	Linear	50	44.52143	0.1000	-10.9571	20.0000
4-Methyl-2-pentanone (MIBK)	Averaged	0.12890	0.13129	0.0100	1.1848	20.0000
Methyl-tert-butyl ether	Averaged	0.48191	0.43183	0.1000	-3.9828	20.0000
Naphthalene	Averaged	1.44646	1.54375	0.0000	7.2198	20.0000
n-Propylbenzene	Averaged	4.36748	4.58221	0.0000	5.8181	20.0000
Styrene	Averaged	1.12883	1.12408	0.3000	3.5421	20.0000
1,1,1,2-Tetrachloroethane	Averaged	0.31875	0.30066	0.0000	0.9961	20.0000
1,1,2,2-Tetrachloroethane	Averaged	0.46230	0.44684	0.3000	-1.0346	20.0000
Tetrachloroethene	Averaged	0.50910	0.47266	0.2000	-0.2794	20.0000
Toluene	Averaged	1.66628	1.57602	0.4000	-1.0434	20.0000
1,2,3-Trichlorobenzene	Averaged	0.95684	1.01543	0.0000	5.7164	20.0000
1,2,4-Trichlorobenzene	Averaged	1.19038	1.24414	0.2000	2.1295	20.0000
1,1,1-Trichloroethane	Averaged	0.47815	0.45177	0.1000	-0.6381	20.0000
1,1,2-Trichloroethane	Averaged	0.19269	0.18546	0.1000	-0.3900	20.0000
Trichloroethene	Averaged	0.33213	0.31995	0.2000	-1.3783	20.0000
Trichlorofluoromethane	Averaged	0.57616	0.57067	0.1000	0.8483	20.0000
1,2,3-Trichloropropane	Averaged	0.14426	0.13330	0.0000	-5.0867	20.0000
1,2,4-Trimethylbenzene	Averaged	2.98838	3.11007	0.0000	2.4693	20.0000
1,3,5-Trimethylbenzene	Averaged	3.08730	3.06537	0.0000	4.2739	20.0000
Vinyl acetate	Averaged	0.23051	0.25127	0.0000	4.3917	20.0000
Vinyl chloride	Averaged	0.34492	0.36192	0.1000	3.7848	20.0000
m&p-Xylene	Averaged	0.72115	0.71318	0.1000	0.7773	20.0000
o-Xylene	Averaged	0.66852	0.70745	0.3000	8.5834	20.0000
4-Bromofluorobenzene (S)	Averaged	0.53475	0.52597	0.1000	-1.0887	20.0000

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

07/17/2014 9:26

MSV - FORM VII VOA-3
MSV INITIAL CALIBRATION DATA

SAMPLE NO.

6879312ICV

Lab Name: Pace Analytical - Indiana Calibration Date: 06/19/2014 Time: 18:51
Instrument ID: 50MV1A GC Column: Col 1 Init. Calib. Date(s): 06/19/2014 06/19/2014
Lab File ID: A061914CAL.BVA10ICV.D Init. Calib. Time(s): 13:49 17:44
SDG No.: 5099627

COMPOUND	CURVE	RRF or Amount	RRF or Amount	MIN RRF	%D	MAX %D
Dibromofluoromethane (S)	Averaged	0.24063	0.23680	0.1000	-2.2918	20.0000
Toluene-d8 (S)	Averaged	1.31839	1.29707	0.1000	-0.3784	20.0000

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

07/17/2014 9:26

MSV - FORM VII VOA-1
MSV CONTINUING CALIBRATION DATA

SAMPLE NO.

6930017CCV

Lab Name: Pace Analytical - Indiana

Calibration Date: 07/02/2014 Time: 11:19

Instrument ID: 50MV1A GC Column: Col 1

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

Lab File ID: A070214.BA01CCV.D

Init. Calib. Time(s): 13:49 17:44

SDG No.: 5099627

COMPOUND	CURVE	RRF or Amount	RRF or Amount	MIN RRF	%D	MAX %D
Acetone	Averaged	0.02995	0.02229	0.0100	-25.5827	20.0000
Acrolein	Averaged	0.01393	0.01251	0.0000	-10.2070	20.0000
Acrylonitrile	Averaged	0.03421	0.03029	0.0000	-11.4714	20.0000
Benzene	Averaged	1.11944	1.05332	0.5000	-5.9062	20.0000
Bromobenzene	Averaged	0.77396	0.66783	0.0000	-13.7126	20.0000
Bromochloromethane	Averaged	0.14356	0.13378	0.0000	-6.8061	20.0000
Bromodichloromethane	Averaged	0.35635	0.28710	0.2000	-19.4319	20.0000
Bromoform	Linear	50	38.55958	0.1000	-22.8808	20.0000
Bromomethane	Linear	50	49.83168	0.1000	-0.3366	20.0000
2-Butanone (MEK)	Averaged	0.04599	0.03849	0.0100	-16.2993	20.0000
n-Butylbenzene	Averaged	3.47206	3.51187	0.1000	1.1467	20.0000
sec-Butylbenzene	Averaged	4.01896	4.07533	0.0000	1.4026	20.0000
tert-Butylbenzene	Averaged	2.76251	2.81923	0.0000	2.0533	20.0000
Carbon disulfide	Averaged	0.89064	0.77756	0.1000	-12.6970	20.0000
Carbon tetrachloride	Averaged	0.37869	0.28495	0.1000	-24.7557	20.0000
Chlorobenzene	Averaged	1.03622	0.97281	0.5000	-6.1190	20.0000
Chloroethane	Averaged	0.20997	0.21417	0.1000	1.9996	20.0000
Chloroform	Averaged	0.56000	0.47295	0.2000	-15.5442	20.0000
Chloromethane	Averaged	0.35102	0.33299	0.1000	-5.1364	20.0000
2-Chlorotoluene	Averaged	2.61868	2.54648	0.0000	-2.7572	20.0000
4-Chlorotoluene	Averaged	0.78573	0.77729	0.0000	-1.0745	20.0000
Dibromochloromethane	Averaged	0.24430	0.20522	0.1000	-15.9956	20.0000
1,2-Dibromoethane (EDB)	Averaged	0.20928	0.19309	0.1000	-7.7365	20.0000
Dibromomethane	Averaged	0.11785	0.10068	0.0000	-14.5699	20.0000
1,2-Dichlorobenzene	Averaged	1.37668	1.29933	0.4000	-5.6184	20.0000
1,3-Dichlorobenzene	Averaged	1.62080	1.56956	0.6000	-3.1610	20.0000
1,4-Dichlorobenzene	Averaged	1.56029	1.48418	0.5000	-4.8779	20.0000
trans-1,4-Dichloro-2-butene	Linear	50	39.86780	0.0000	-20.2644	20.0000
Dichlorodifluoromethane	Averaged	0.44202	0.39025	0.1000	-11.7104	20.0000
1,1-Dichloroethane	Averaged	0.52418	0.44879	0.2000	-14.3828	20.0000
1,2-Dichloroethane	Averaged	0.33785	0.26152	0.1000	-22.5928	20.0000
1,1-Dichloroethene	Averaged	0.27565	0.23276	0.1000	-15.5592	20.0000
cis-1,2-Dichloroethene	Averaged	0.29881	0.28554	0.1000	-4.4417	20.0000
trans-1,2-Dichloroethene	Averaged	0.28568	0.26270	0.1000	-8.0446	20.0000
1,2-Dichloropropane	Averaged	0.24166	0.21907	0.1000	-9.3474	20.0000
1,3-Dichloropropane	Averaged	0.43377	0.39097	0.0000	-9.8673	20.0000

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

07/17/2014 9:26

MSV - FORM VII VOA-2
MSV CONTINUING CALIBRATION DATA

SAMPLE NO.

6930017CCV

Lab Name: Pace Analytical - Indiana

Calibration Date: 07/02/2014 Time: 11:19

Instrument ID: 50MV1A GC Column: Col 1

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

Lab File ID: A070214.BA01CCV.D

Init. Calib. Time(s): 13:49 17:44

SDG No.: 5099627

COMPOUND	CURVE	RRF or Amount	RRF or Amount	MIN RRF	%D	MAX %D
2,2-Dichloropropane	Averaged	0.37275	0.33554	0.0000	-9.9821	20.0000
1,1-Dichloropropene	Averaged	0.45632	0.42593	0.0000	-6.6612	20.0000
cis-1,3-Dichloropropene	Averaged	0.45978	0.43368	0.2000	-5.6780	20.0000
trans-1,3-Dichloropropene	Linear	50	38.46764	0.1000	-23.0647	20.0000
Ethylbenzene	Averaged	0.58644	0.57419	0.1000	-2.0889	20.0000
Ethyl methacrylate	Averaged	0.27355	0.27005	0.0000	-1.2782	20.0000
Hexachloro-1,3-butadiene	Averaged	1.02632	0.98036	0.0000	-4.4787	20.0000
n-Hexane	Averaged	0.46585	0.42017	0.0000	-9.8061	20.0000
2-Hexanone	Averaged	0.09066	0.07929	0.0100	-12.5410	20.0000
Iodomethane	Linear	100	112.0497	0.0000	12.0497	20.0000
Isopropylbenzene (Cumene)	Averaged	2.01031	1.89948	0.1000	-5.5129	20.0000
p-Isopropyltoluene	Averaged	3.42609	3.34500	0.0000	-2.3668	20.0000
Methylene Chloride	Linear	50	35.69352	0.1000	-28.6129	20.0000
4-Methyl-2-pentanone (MIBK)	Averaged	0.12890	0.11281	0.0100	-12.4830	20.0000
Methyl-tert-butyl ether	Averaged	0.48191	0.40409	0.1000	-16.1484	20.0000
Naphthalene	Averaged	1.44646	1.47913	0.0000	2.2584	20.0000
n-Propylbenzene	Averaged	4.36748	4.34949	0.0000	-0.4120	20.0000
Styrene	Averaged	1.12883	1.09344	0.3000	-3.1354	20.0000
1,1,1,2-Tetrachloroethane	Averaged	0.31875	0.26758	0.0000	-16.0535	20.0000
1,1,2,2-Tetrachloroethane	Averaged	0.46230	0.42739	0.3000	-7.5518	20.0000
Tetrachloroethene	Averaged	0.50910	0.48189	0.2000	-5.3457	20.0000
Toluene	Averaged	1.66628	1.54985	0.4000	-6.9873	20.0000
1,2,3-Trichlorobenzene	Averaged	0.95684	1.00725	0.0000	5.2690	20.0000
1,2,4-Trichlorobenzene	Averaged	1.19038	1.27804	0.2000	7.3638	20.0000
1,1,1-Trichloroethane	Averaged	0.47815	0.39644	0.1000	-17.0894	20.0000
1,1,2-Trichloroethane	Averaged	0.19269	0.17930	0.1000	-6.9501	20.0000
Trichloroethene	Averaged	0.33213	0.30588	0.2000	-7.9033	20.0000
Trichlorofluoromethane	Averaged	0.57616	0.51695	0.1000	-10.2758	20.0000
1,2,3-Trichloropropane	Averaged	0.14426	0.12255	0.0000	-15.0470	20.0000
1,2,4-Trimethylbenzene	Averaged	2.98838	2.92959	0.0000	-1.9674	20.0000
1,3,5-Trimethylbenzene	Averaged	3.08730	3.04100	0.0000	-1.4999	20.0000
Vinyl acetate	Averaged	0.23051	0.22762	0.0000	-1.2551	20.0000
Vinyl chloride	Averaged	0.34492	0.35752	0.1000	3.6511	20.0000
m&p-Xylene	Averaged	0.72115	0.69104	0.1000	-4.1749	20.0000
o-Xylene	Averaged	0.66852	0.68388	0.3000	2.2973	20.0000
4-Bromofluorobenzene (S)	Averaged	0.53475	0.50813	0.1000	-4.9769	20.0000

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

07/17/2014 9:26

MSV - FORM VII VOA-3
MSV CONTINUING CALIBRATION DATA

SAMPLE NO.

6930017CCV

Lab Name: Pace Analytical - Indiana

Calibration Date: 07/02/2014 Time: 11:19

Instrument ID: 50MV1A 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): 13:49 17:44

SDG No.: 5099627

COMPOUND	CURVE	RRF or Amount	RRF or Amount	MIN RRF	%D	MAX %D
Dibromofluoromethane (S)	Averaged	0.24063	0.22549	0.1000	-6.2930	20.0000
Toluene-d8 (S)	Averaged	1.31839	1.32249	0.1000	0.3111	20.0000

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

07/17/2014 9:26

MSV - FORM VII VOA-1
MSV CONTINUING CALIBRATION DATA

SAMPLE NO.

6930227CCV

Lab Name: Pace Analytical - Indiana

Calibration Date: 07/02/2014 Time: 23:05

Instrument ID: 50MV1A 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): 13:49 17:44

SDG No.: 5099627

COMPOUND	CURVE	RRF or Amount	RRF or Amount	MIN RRF	%D	MAX %D
Acetone	Averaged	0.02995	0.02339	0.0100	-21.8864	20.0000
Acrolein	Averaged	0.01393	0.01291	0.0000	-7.3445	20.0000
Acrylonitrile	Averaged	0.03421	0.03302	0.0000	-3.4930	20.0000
Benzene	Averaged	1.11944	1.07216	0.5000	-4.2229	20.0000
Bromobenzene	Averaged	0.77396	0.66005	0.0000	-14.7182	20.0000
Bromochloromethane	Averaged	0.14356	0.13354	0.0000	-6.9788	20.0000
Bromodichloromethane	Averaged	0.35635	0.27583	0.2000	-22.5952	20.0000
Bromoform	Linear	50	34.4634	0.1000	-31.0732	20.0000
Bromomethane	Linear	50	50.05910	0.1000	0.1182	20.0000
2-Butanone (MEK)	Averaged	0.04599	0.04090	0.0100	-11.0649	20.0000
n-Butylbenzene	Averaged	3.47206	3.45238	0.1000	-0.5669	20.0000
sec-Butylbenzene	Averaged	4.01896	4.19523	0.0000	4.3858	20.0000
tert-Butylbenzene	Averaged	2.76251	2.88097	0.0000	4.2881	20.0000
Carbon disulfide	Averaged	0.89064	0.84103	0.1000	-5.5708	20.0000
Carbon tetrachloride	Averaged	0.37869	0.27174	0.1000	-28.2424	20.0000
Chlorobenzene	Averaged	1.03622	0.98992	0.5000	-4.4678	20.0000
Chloroethane	Averaged	0.20997	0.23769	0.1000	13.2018	20.0000
Chloroform	Averaged	0.56000	0.47122	0.2000	-15.8546	20.0000
Chloromethane	Averaged	0.35102	0.35680	0.1000	1.6477	20.0000
2-Chlorotoluene	Averaged	2.61868	2.62938	0.0000	0.4088	20.0000
4-Chlorotoluene	Averaged	0.78573	0.80570	0.0000	2.5412	20.0000
Dibromochloromethane	Averaged	0.24430	0.18962	0.1000	-22.3820	20.0000
1,2-Dibromoethane (EDB)	Averaged	0.20928	0.19664	0.1000	-6.0393	20.0000
Dibromomethane	Averaged	0.11785	0.10249	0.0000	-13.0295	20.0000
1,2-Dichlorobenzene	Averaged	1.37668	1.33310	0.4000	-3.1659	20.0000
1,3-Dichlorobenzene	Averaged	1.62080	1.58193	0.6000	-2.3981	20.0000
1,4-Dichlorobenzene	Averaged	1.56029	1.46888	0.5000	-5.8584	20.0000
trans-1,4-Dichloro-2-butene	Linear	50	31.87626	0.0000	-36.2475	20.0000
Dichlorodifluoromethane	Averaged	0.44202	0.39573	0.1000	-10.4718	20.0000
1,1-Dichloroethane	Averaged	0.52418	0.52896	0.2000	0.9133	20.0000
1,2-Dichloroethane	Averaged	0.33785	0.25748	0.1000	-23.7875	20.0000
1,1-Dichloroethene	Averaged	0.27565	0.28232	0.1000	2.4220	20.0000
cis-1,2-Dichloroethene	Averaged	0.29881	0.31062	0.1000	3.9496	20.0000
trans-1,2-Dichloroethene	Averaged	0.28568	0.29305	0.1000	2.5779	20.0000
1,2-Dichloropropane	Averaged	0.24166	0.22210	0.1000	-8.0938	20.0000
1,3-Dichloropropane	Averaged	0.43377	0.38904	0.0000	-10.3129	20.0000

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

07/17/2014 9:25

MSV - FORM VII VOA-2
MSV CONTINUING CALIBRATION DATA

SAMPLE NO.

6930227CCV

Lab Name: Pace Analytical - Indiana

Calibration Date: 07/02/2014 Time: 23:05

Instrument ID: 50MV1A 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): 13:49 17:44

SDG No.: 5099627

COMPOUND	CURVE	RRF or Amount	RRF or Amount	MIN RRF	%D	MAX %D
2,2-Dichloropropane	Averaged	0.37275	0.34331	0.0000	-7.8972	20.0000
1,1-Dichloropropene	Averaged	0.45632	0.42332	0.0000	-7.2314	20.0000
cis-1,3-Dichloropropene	Averaged	0.45978	0.41472	0.2000	-9.7996	20.0000
trans-1,3-Dichloropropene	Linear	50	34.99649	0.1000	-30.0070	20.0000
Ethylbenzene	Averaged	0.58644	0.58001	0.1000	-1.0969	20.0000
Ethyl methacrylate	Averaged	0.27355	0.25915	0.0000	-5.2645	20.0000
Hexachloro-1,3-butadiene	Averaged	1.02632	0.99775	0.0000	-2.7846	20.0000
n-Hexane	Averaged	0.46585	0.47049	0.0000	0.9959	20.0000
2-Hexanone	Averaged	0.09066	0.07722	0.0100	-14.8265	20.0000
Iodomethane	Linear	100	108.5995	0.0000	8.5996	20.0000
Isopropylbenzene (Cumene)	Averaged	2.01031	1.93409	0.1000	-3.7912	20.0000
p-Isopropyltoluene	Averaged	3.42609	3.43333	0.0000	0.2113	20.0000
Methylene Chloride	Linear	50	41.93033	0.1000	-16.1393	20.0000
4-Methyl-2-pentanone (MIBK)	Averaged	0.12890	0.11464	0.0100	-11.0641	20.0000
Methyl-tert-butyl ether	Averaged	0.48191	0.43981	0.1000	-8.7358	20.0000
Naphthalene	Averaged	1.44646	1.50498	0.0000	4.0457	20.0000
n-Propylbenzene	Averaged	4.36748	4.47032	0.0000	2.3547	20.0000
Styrene	Averaged	1.12883	1.09790	0.3000	-2.7404	20.0000
1,1,1,2-Tetrachloroethane	Averaged	0.31875	0.25458	0.0000	-20.1297	20.0000
1,1,2,2-Tetrachloroethane	Averaged	0.46230	0.43115	0.3000	-6.7388	20.0000
Tetrachloroethene	Averaged	0.50910	0.50274	0.2000	-1.2507	20.0000
Toluene	Averaged	1.66628	1.58791	0.4000	-4.7037	20.0000
1,2,3-Trichlorobenzene	Averaged	0.95684	0.98936	0.0000	3.3991	20.0000
1,2,4-Trichlorobenzene	Averaged	1.19038	1.20327	0.2000	1.0829	20.0000
1,1,1-Trichloroethane	Averaged	0.47815	0.38076	0.1000	-20.3684	20.0000
1,1,2-Trichloroethane	Averaged	0.19269	0.18576	0.1000	-3.5969	20.0000
Trichloroethene	Averaged	0.33213	0.31079	0.2000	-6.4257	20.0000
Trichlorofluoromethane	Averaged	0.57616	0.54210	0.1000	-5.9116	20.0000
1,2,3-Trichloropropane	Averaged	0.14426	0.13595	0.0000	-5.7598	20.0000
1,2,4-Trimethylbenzene	Averaged	2.98838	3.02556	0.0000	1.2441	20.0000
1,3,5-Trimethylbenzene	Averaged	3.08730	3.14266	0.0000	1.7932	20.0000
Vinyl acetate	Averaged	0.23051	0.24334	0.0000	5.5643	20.0000
Vinyl chloride	Averaged	0.34492	0.38149	0.1000	10.6005	20.0000
m&p-Xylene	Averaged	0.72115	0.69773	0.1000	-3.2473	20.0000
o-Xylene	Averaged	0.66852	0.68184	0.3000	1.9927	20.0000
4-Bromofluorobenzene (S)	Averaged	0.53475	0.49416	0.1000	-7.5905	20.0000

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

07/17/2014 9:25

MSV - FORM VII VOA-3
MSV CONTINUING CALIBRATION DATA

SAMPLE NO.

6930227CCV

Lab Name: Pace Analytical - Indiana

Calibration Date: 07/02/2014 Time: 23:05

Instrument ID: 50MV1A 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): 13:49 17:44

SDG No.: 5099627

COMPOUND	CURVE	RRF or Amount	RRF or Amount	MIN RRF	%D	MAX %D
Dibromofluoromethane (S)	Averaged	0.24063	0.21694	0.1000	-9.8446	20.0000
Toluene-d8 (S)	Averaged	1.31839	1.29645	0.1000	-1.6640	20.0000

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

07/17/2014 9:25

MSV - FORM VII VOA-1
MSV CONTINUING CALIBRATION DATA

SAMPLE NO.

6933401CCV

Lab Name: Pace Analytical - Indiana

Calibration Date: 07/03/2014 Time: 12:16

Instrument ID: 50MV1A 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): 13:49 17:44

SDG No.: 5099627

COMPOUND	CURVE	RRF or Amount	RRF or Amount	MIN RRF	%D	MAX %D
Acetone	Averaged	0.02995	0.02484	0.0100	-17.0589	20.0000
Acrolein	Averaged	0.01393	0.01401	0.0000	0.5220	20.0000
Acrylonitrile	Averaged	0.03421	0.03234	0.0000	-5.4741	20.0000
Benzene	Averaged	1.11944	1.09307	0.5000	-2.3550	20.0000
Bromobenzene	Averaged	0.77396	0.69592	0.0000	-10.0838	20.0000
Bromochloromethane	Averaged	0.14356	0.13993	0.0000	-2.5230	20.0000
Bromodichloromethane	Averaged	0.35635	0.30360	0.2000	-14.8039	20.0000
Bromoform	Linear	50	39.37044	0.1000	-21.2591	20.0000
Bromomethane	Linear	50	53.11207	0.1000	6.2241	20.0000
2-Butanone (MEK)	Averaged	0.04599	0.03990	0.0100	-13.2352	20.0000
n-Butylbenzene	Averaged	3.47206	3.69063	0.1000	6.2952	20.0000
sec-Butylbenzene	Averaged	4.01896	4.28018	0.0000	6.4996	20.0000
tert-Butylbenzene	Averaged	2.76251	2.86110	0.0000	3.5688	20.0000
Carbon disulfide	Averaged	0.89064	0.89381	0.1000	0.3558	20.0000
Carbon tetrachloride	Averaged	0.37869	0.32170	0.1000	-15.0504	20.0000
Chlorobenzene	Averaged	1.03622	1.00706	0.5000	-2.8135	20.0000
Chloroethane	Averaged	0.20997	0.24709	0.1000	17.6798	20.0000
Chloroform	Averaged	0.56000	0.49345	0.2000	-11.8836	20.0000
Chloromethane	Averaged	0.35102	0.36461	0.1000	3.8723	20.0000
2-Chlorotoluene	Averaged	2.61868	2.66533	0.0000	1.7815	20.0000
4-Chlorotoluene	Averaged	0.78573	0.82864	0.0000	5.4605	20.0000
Dibromochloromethane	Averaged	0.24430	0.21542	0.1000	-11.8216	20.0000
1,2-Dibromoethane (EDB)	Averaged	0.20928	0.19663	0.1000	-6.0415	20.0000
Dibromomethane	Averaged	0.11785	0.10637	0.0000	-9.7348	20.0000
1,2-Dichlorobenzene	Averaged	1.37668	1.37767	0.4000	0.0716	20.0000
1,3-Dichlorobenzene	Averaged	1.62080	1.64252	0.6000	1.3403	20.0000
1,4-Dichlorobenzene	Averaged	1.56029	1.55410	0.5000	-0.3963	20.0000
trans-1,4-Dichloro-2-butene	Linear	50	36.96507	0.0000	-26.0699	20.0000
Dichlorodifluoromethane	Averaged	0.44202	0.44119	0.1000	-0.1861	20.0000
1,1-Dichloroethane	Averaged	0.52418	0.50384	0.2000	-3.8802	20.0000
1,2-Dichloroethane	Averaged	0.33785	0.27296	0.1000	-19.2043	20.0000
1,1-Dichloroethene	Averaged	0.27565	0.27926	0.1000	1.3117	20.0000
cis-1,2-Dichloroethene	Averaged	0.29881	0.31196	0.1000	4.4004	20.0000
trans-1,2-Dichloroethene	Averaged	0.28568	0.29941	0.1000	4.8071	20.0000
1,2-Dichloropropane	Averaged	0.24166	0.22142	0.1000	-8.3740	20.0000
1,3-Dichloropropane	Averaged	0.43377	0.39262	0.0000	-9.4863	20.0000

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

07/17/2014 9:25

MSV - FORM VII VOA-2
MSV CONTINUING CALIBRATION DATA

SAMPLE NO.

6933401CCV

Lab Name: Pace Analytical - Indiana

Calibration Date: 07/03/2014 Time: 12:16

Instrument ID: 50MV1A 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): 13:49 17:44

SDG No.: 5099627

COMPOUND	CURVE	RRF or Amount	RRF or Amount	MIN RRF	%D	MAX %D
2,2-Dichloropropane	Averaged	0.37275	0.38954	0.0000	4.5059	20.0000
1,1-Dichloropropene	Averaged	0.45632	0.43196	0.0000	-5.3397	20.0000
cis-1,3-Dichloropropene	Averaged	0.45978	0.42514	0.2000	-7.5343	20.0000
trans-1,3-Dichloropropene	Linear	50	37.22145	0.1000	-25.5571	20.0000
Ethylbenzene	Averaged	0.58644	0.59199	0.1000	0.9455	20.0000
Ethyl methacrylate	Averaged	0.27355	0.24336	0.0000	-11.0371	20.0000
Hexachloro-1,3-butadiene	Averaged	1.02632	1.05004	0.0000	2.3105	20.0000
n-Hexane	Averaged	0.46585	0.45348	0.0000	-2.6554	20.0000
2-Hexanone	Averaged	0.09066	0.07090	0.0100	-21.7943	20.0000
Iodomethane	Linear	100	112.2956	0.0000	12.2956	20.0000
Isopropylbenzene (Cumene)	Averaged	2.01031	1.98412	0.1000	-1.3025	20.0000
p-Isopropyltoluene	Averaged	3.42609	3.54006	0.0000	3.3266	20.0000
Methylene Chloride	Linear	50	44.03166	0.1000	-11.9367	20.0000
4-Methyl-2-pentanone (MIBK)	Averaged	0.12890	0.10449	0.0100	-18.9386	20.0000
Methyl-tert-butyl ether	Averaged	0.48191	0.43022	0.1000	-10.7261	20.0000
Naphthalene	Averaged	1.44646	1.42735	0.0000	-1.3207	20.0000
n-Propylbenzene	Averaged	4.36748	4.58569	0.0000	4.9963	20.0000
Styrene	Averaged	1.12883	1.14320	0.3000	1.2725	20.0000
1,1,1,2-Tetrachloroethane	Averaged	0.31875	0.28182	0.0000	-11.5841	20.0000
1,1,2,2-Tetrachloroethane	Averaged	0.46230	0.43947	0.3000	-4.9387	20.0000
Tetrachloroethene	Averaged	0.50910	0.52125	0.2000	2.3866	20.0000
Toluene	Averaged	1.66628	1.60925	0.4000	-3.4226	20.0000
1,2,3-Trichlorobenzene	Averaged	0.95684	1.03027	0.0000	7.6744	20.0000
1,2,4-Trichlorobenzene	Averaged	1.19038	1.30141	0.2000	9.3276	20.0000
1,1,1-Trichloroethane	Averaged	0.47815	0.41423	0.1000	-13.3675	20.0000
1,1,2-Trichloroethane	Averaged	0.19269	0.18222	0.1000	-5.4339	20.0000
Trichloroethene	Averaged	0.33213	0.31195	0.2000	-6.0759	20.0000
Trichlorofluoromethane	Averaged	0.57616	0.60936	0.1000	5.7621	20.0000
1,2,3-Trichloropropane	Averaged	0.14426	0.12609	0.0000	-12.5947	20.0000
1,2,4-Trimethylbenzene	Averaged	2.98838	3.09992	0.0000	3.7323	20.0000
1,3,5-Trimethylbenzene	Averaged	3.08730	3.18839	0.0000	3.2742	20.0000
Vinyl acetate	Averaged	0.23051	0.24035	0.0000	4.2681	20.0000
Vinyl chloride	Averaged	0.34492	0.39043	0.1000	13.1941	20.0000
m&p-Xylene	Averaged	0.72115	0.71415	0.1000	-0.9704	20.0000
o-Xylene	Averaged	0.66852	0.70028	0.3000	4.7497	20.0000
4-Bromofluorobenzene (S)	Averaged	0.53475	0.50523	0.1000	-5.5206	20.0000

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

07/17/2014 9:25

MSV - FORM VII VOA-3
MSV CONTINUING CALIBRATION DATA

SAMPLE NO.

6933401CCV

Lab Name: Pace Analytical - Indiana

Calibration Date: 07/03/2014 Time: 12:16

Instrument ID: 50MV1A 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): 13:49 17:44

SDG No.: 5099627

COMPOUND	CURVE	RRF or Amount	RRF or Amount	MIN RRF	%D	MAX %D
Dibromofluoromethane (S)	Averaged	0.24063	0.23588	0.1000	-1.9720	20.0000
Toluene-d8 (S)	Averaged	1.31839	1.32587	0.1000	0.5673	20.0000

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

07/17/2014 9:25

MSV - FORM VII VOA-1
MSV INITIAL CALIBRATION DATA

SAMPLE NO.

6888106ICV

Lab Name: Pace Analytical - Indiana

Calibration Date: 06/19/2014 Time: 19:08

Instrument ID: 50MV1B GC Column: Col 1

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

Lab File ID: B061914CAL.B\B10ICV.D

Init. Calib. Time(s): 14:06 18:01

SDG No.: 5099627

COMPOUND	CURVE	RRF or Amount	RRF or Amount	MIN RRF	%D	MAX %D
Acetone	Averaged	0.03006	0.02888	0.0100	-8.7228	20.0000
Acrolein	Averaged	0.01433	0.01824	0.0000	3.1394	20.0000
Acrylonitrile	Averaged	0.03400	0.03228	0.0000	-1.3361	20.0000
Benzene	Averaged	1.09887	1.15552	0.5000	3.2504	20.0000
Bromobenzene	Averaged	0.75543	0.75493	0.0000	-0.8713	20.0000
Bromochloromethane	Averaged	0.13951	0.14426	0.0000	4.4141	20.0000
Bromodichloromethane	Averaged	0.34902	0.35031	0.2000	3.8451	20.0000
Bromoform	Linear	50	45.06047	0.1000	-9.8790	20.0000
Bromomethane	Linear	50	54.94614	0.1000	9.8923	20.0000
2-Butanone (MEK)	Averaged	0.04593	0.04552	0.0100	-5.2997	20.0000
n-Butylbenzene	Averaged	3.40259	3.70870	0.1000	2.2458	20.0000
sec-Butylbenzene	Averaged	3.89688	4.24383	0.0000	6.9702	20.0000
tert-Butylbenzene	Averaged	2.72657	2.84820	0.0000	6.7682	20.0000
Carbon disulfide	Averaged	0.85796	0.88599	0.1000	1.9269	20.0000
Carbon tetrachloride	Averaged	0.36667	0.36775	0.1000	3.3672	20.0000
Chlorobenzene	Averaged	1.00687	0.99888	0.5000	-0.7890	20.0000
Chloroethane	Averaged	0.21071	0.21770	0.1000	2.2466	20.0000
Chloroform	Averaged	0.54631	0.53070	0.2000	-0.6374	20.0000
Chloromethane	Averaged	0.34277	0.35801	0.1000	0.6132	20.0000
2-Chlorotoluene	Averaged	2.58581	2.67145	0.0000	3.2939	20.0000
4-Chlorotoluene	Averaged	0.77255	0.79516	0.0000	0.0536	20.0000
Dibromochloromethane	Averaged	0.25024	0.24174	0.1000	0.4675	20.0000
1,2-Dibromoethane (EDB)	Averaged	0.20767	0.21512	0.1000	2.9207	20.0000
Dibromomethane	Averaged	0.11640	0.11322	0.0000	3.0615	20.0000
1,2-Dichlorobenzene	Averaged	1.37331	1.37755	0.4000	-1.3445	20.0000
1,3-Dichlorobenzene	Averaged	1.59228	1.63288	0.6000	-0.5719	20.0000
1,4-Dichlorobenzene	Averaged	1.51139	1.54970	0.5000	-0.1406	20.0000
trans-1,4-Dichloro-2-butene	Averaged	0.05244	0.26153	0.0000	1.5602	20.0000
Dichlorodifluoromethane	Averaged	0.44003	0.52294	0.1000	3.9124	20.0000
1,1-Dichloroethane	Averaged	0.51509	0.50230	0.2000	-1.3665	20.0000
1,2-Dichloroethane	Averaged	0.33326	0.32436	0.1000	-1.2131	20.0000
1,1-Dichloroethene	Averaged	0.26552	0.25325	0.1000	0.3983	20.0000
cis-1,2-Dichloroethene	Averaged	0.30115	0.29127	0.1000	0.7341	20.0000
trans-1,2-Dichloroethene	Averaged	0.28091	0.26804	0.1000	-0.6273	20.0000
1,2-Dichloropropane	Averaged	0.24490	0.24055	0.1000	-0.8381	20.0000
1,3-Dichloropropane	Averaged	0.43777	0.42833	0.0000	-0.8968	20.0000

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

07/17/2014 9:25

MSV - FORM VII VOA-2
MSV INITIAL CALIBRATION DATA

SAMPLE NO.

6888106ICV

Lab Name: Pace Analytical - Indiana

Calibration Date: 06/19/2014 Time: 19:08

Instrument ID: 50MV1B GC Column: Col 1

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

Lab File ID: B061914CAL.B\B10ICV.D

Init. Calib. Time(s): 14:06 18:01

SDG No.: 5099627

COMPOUND	CURVE	RRF or Amount	RRF or Amount	MIN RRF	%D	MAX %D
2,2-Dichloropropane	Averaged	0.36430	0.39885	0.0000	8.2569	20.0000
1,1-Dichloropropene	Averaged	0.44375	0.45449	0.0000	4.6930	20.0000
cis-1,3-Dichloropropene	Averaged	0.47295	0.49503	0.2000	5.8209	20.0000
trans-1,3-Dichloropropene	Linear	50	45.5904	0.1000	-8.8192	20.0000
Ethylbenzene	Averaged	0.57338	0.59127	0.1000	3.1820	20.0000
Ethyl methacrylate	Averaged	0.27849	1.20905	0.0000	7.1461	20.0000
Hexachloro-1,3-butadiene	Averaged	0.98101	0.97936	0.0000	1.5255	20.0000
n-Hexane	Averaged	0.45745	0.42961	0.0000	-1.9159	20.0000
2-Hexanone	Averaged	0.09056	0.10108	0.0100	4.4735	20.0000
Iodomethane	Linear	100	94.95451	0.0000	-5.0455	20.0000
Isopropylbenzene (Cumene)	Averaged	1.91870	2.06793	0.1000	6.9747	20.0000
p-Isopropyltoluene	Averaged	3.25659	3.39405	0.0000	5.7329	20.0000
Methylene Chloride	Linear	50	46.49724	0.1000	-7.0055	20.0000
4-Methyl-2-pentanone (MIBK)	Averaged	0.13193	0.14045	0.0100	2.4775	20.0000
Methyl-tert-butyl ether	Averaged	0.47882	0.44722	0.1000	-1.8387	20.0000
Naphthalene	Averaged	1.35763	1.67305	0.0000	13.4368	20.0000
n-Propylbenzene	Averaged	4.22850	4.64772	0.0000	6.0152	20.0000
Styrene	Averaged	1.11180	1.16156	0.3000	2.9838	20.0000
1,1,1,2-Tetrachloroethane	Averaged	0.31664	0.31446	0.0000	1.2344	20.0000
1,1,2,2-Tetrachloroethane	Averaged	0.46040	0.48121	0.3000	0.6212	20.0000
Tetrachloroethene	Averaged	0.51111	0.49499	0.2000	-2.8462	20.0000
Toluene	Averaged	1.64395	1.61954	0.4000	-1.1846	20.0000
1,2,3-Trichlorobenzene	Averaged	0.99006	1.09158	0.0000	-0.8218	20.0000
1,2,4-Trichlorobenzene	Averaged	1.14332	1.29396	0.2000	0.5178	20.0000
1,1,1-Trichloroethane	Averaged	0.45836	0.46137	0.1000	5.2454	20.0000
1,1,2-Trichloroethane	Averaged	0.19433	0.19291	0.1000	-0.9995	20.0000
Trichloroethene	Averaged	0.32225	0.32963	0.2000	3.4665	20.0000
Trichlorofluoromethane	Averaged	0.56981	0.57700	0.1000	0.0086	20.0000
1,2,3-Trichloropropane	Averaged	0.14336	0.14501	0.0000	1.1040	20.0000
1,2,4-Trimethylbenzene	Averaged	2.86699	3.12964	0.0000	5.3347	20.0000
1,3,5-Trimethylbenzene	Averaged	2.94891	3.12075	0.0000	4.9139	20.0000
Vinyl acetate	Averaged	0.23671	0.26372	0.0000	3.7888	20.0000
Vinyl chloride	Averaged	0.34765	0.38200	0.1000	6.4126	20.0000
m&p-Xylene	Averaged	0.70099	0.72683	0.1000	0.7243	20.0000
o-Xylene	Averaged	0.66707	0.72420	0.3000	7.7264	20.0000
4-Bromofluorobenzene (S)	Averaged	0.53207	0.52803	0.1000	0.5607	20.0000

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

07/17/2014 9:25

MSV - FORM VII VOA-3
MSV INITIAL CALIBRATION DATA

SAMPLE NO.

6888106ICV

Lab Name: Pace Analytical - Indiana Calibration Date: 06/19/2014 Time: 19:08
Instrument ID: 50MV1B GC Column: Col 1 Init. Calib. Date(s): 06/19/2014 06/19/2014
Lab File ID: B061914CAL.B\B10ICV.D Init. Calib. Time(s): 14:06 18:01
SDG No.: 5099627

COMPOUND	CURVE	RRF or Amount	RRF or Amount	MIN RRF	%D	MAX %D
Dibromofluoromethane (S)	Averaged	0.23820	0.24149	0.1000	0.0038	20.0000
Toluene-d8 (S)	Averaged	1.31413	1.30936	0.1000	-1.2786	20.0000

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

07/17/2014 9:25

MSV - FORM VII VOA-1
MSV CONTINUING CALIBRATION DATA

SAMPLE NO.

6923543CCV

Lab Name: Pace Analytical - Indiana

Calibration Date: 07/01/2014 Time: 22:14

Instrument ID: 50MV1B GC Column: Col 1

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

Lab File ID: B070114.B\D01CCV.D

Init. Calib. Time(s): 14:06 18:01

SDG No.: 5099627

COMPOUND	CURVE	RRF or Amount	RRF or Amount	MIN RRF	%D	MAX %D
Acetone	Averaged	0.03006	0.02493	0.0100	-17.0679	20.0000
Acrolein	Averaged	0.01433	0.01375	0.0000	-4.0973	20.0000
Acrylonitrile	Averaged	0.03400	0.03200	0.0000	-5.8740	20.0000
Benzene	Averaged	1.09887	1.10430	0.5000	0.4941	20.0000
Bromobenzene	Averaged	0.75543	0.72552	0.0000	-3.9595	20.0000
Bromochloromethane	Averaged	0.13951	0.14243	0.0000	2.0922	20.0000
Bromodichloromethane	Averaged	0.34902	0.32206	0.2000	-7.7254	20.0000
Bromoform	Linear	50	40.46245	0.1000	-19.0751	20.0000
Bromomethane	Linear	50	40.24100	0.1000	-19.5180	20.0000
2-Butanone (MEK)	Averaged	0.04593	0.03910	0.0100	-14.8622	20.0000
n-Butylbenzene	Averaged	3.40259	3.45176	0.1000	1.4451	20.0000
sec-Butylbenzene	Averaged	3.89688	3.99217	0.0000	2.4452	20.0000
tert-Butylbenzene	Averaged	2.72657	2.77590	0.0000	1.8090	20.0000
Carbon disulfide	Averaged	0.85796	0.81925	0.1000	-4.5116	20.0000
Carbon tetrachloride	Averaged	0.36667	0.34946	0.1000	-4.6933	20.0000
Chlorobenzene	Averaged	1.00687	0.98337	0.5000	-2.3343	20.0000
Chloroethane	Averaged	0.21071	0.22719	0.1000	7.8221	20.0000
Chloroform	Averaged	0.54631	0.53429	0.2000	-2.1993	20.0000
Chloromethane	Averaged	0.34277	0.33013	0.1000	-3.6864	20.0000
2-Chlorotoluene	Averaged	2.58581	2.56930	0.0000	-0.6384	20.0000
4-Chlorotoluene	Averaged	0.77255	0.77187	0.0000	-0.0873	20.0000
Dibromochloromethane	Averaged	0.25024	0.22667	0.1000	-9.4155	20.0000
1,2-Dibromoethane (EDB)	Averaged	0.20767	0.20474	0.1000	-1.4119	20.0000
Dibromomethane	Averaged	0.11640	0.11852	0.0000	1.8162	20.0000
1,2-Dichlorobenzene	Averaged	1.37331	1.34147	0.4000	-2.3185	20.0000
1,3-Dichlorobenzene	Averaged	1.59228	1.58362	0.6000	-0.5437	20.0000
1,4-Dichlorobenzene	Averaged	1.51139	1.47969	0.5000	-2.0969	20.0000
trans-1,4-Dichloro-2-butene	Averaged	0.05244	0.04887	0.0000	-6.8031	20.0000
Dichlorodifluoromethane	Averaged	0.44003	0.45927	0.1000	4.3714	20.0000
1,1-Dichloroethane	Averaged	0.51509	0.50407	0.2000	-2.1387	20.0000
1,2-Dichloroethane	Averaged	0.33326	0.31803	0.1000	-4.5714	20.0000
1,1-Dichloroethene	Averaged	0.26552	0.25833	0.1000	-2.7057	20.0000
cis-1,2-Dichloroethene	Averaged	0.30115	0.28456	0.1000	-5.5074	20.0000
trans-1,2-Dichloroethene	Averaged	0.28091	0.28215	0.1000	0.4415	20.0000
1,2-Dichloropropane	Averaged	0.24490	0.22243	0.1000	-9.1765	20.0000
1,3-Dichloropropane	Averaged	0.43777	0.40599	0.0000	-7.2586	20.0000

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

07/17/2014 9:25

MSV - FORM VII VOA-2
MSV CONTINUING CALIBRATION DATA

SAMPLE NO.

6923543CCV

Lab Name: Pace Analytical - Indiana

Calibration Date: 07/01/2014 Time: 22:14

Instrument ID: 50MV1B GC Column: Col 1

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

Lab File ID: B070114.B\D01CCV.D

Init. Calib. Time(s): 14:06 18:01

SDG No.: 5099627

COMPOUND	CURVE	RRF or Amount	RRF or Amount	MIN RRF	%D	MAX %D
2,2-Dichloropropane	Averaged	0.36430	0.38379	0.0000	5.3496	20.0000
1,1-Dichloropropene	Averaged	0.44375	0.44556	0.0000	0.4078	20.0000
cis-1,3-Dichloropropene	Averaged	0.47295	0.46212	0.2000	-2.2905	20.0000
trans-1,3-Dichloropropene	Linear	50	40.80398	0.1000	-18.3920	20.0000
Ethylbenzene	Averaged	0.57338	0.57008	0.1000	-0.5751	20.0000
Ethyl methacrylate	Averaged	0.27849	0.25609	0.0000	-8.0434	20.0000
Hexachloro-1,3-butadiene	Averaged	0.98101	1.02087	0.0000	4.0626	20.0000
n-Hexane	Averaged	0.45745	0.41776	0.0000	-8.6770	20.0000
2-Hexanone	Averaged	0.09056	0.07949	0.0100	-12.2276	20.0000
Iodomethane	Linear	100	86.11311	0.0000	-13.8869	20.0000
Isopropylbenzene (Cumene)	Averaged	1.91870	1.95161	0.1000	1.7154	20.0000
p-Isopropyltoluene	Averaged	3.25659	3.33082	0.0000	2.2794	20.0000
Methylene Chloride	Linear	50	41.24692	0.1000	-17.5062	20.0000
4-Methyl-2-pentanone (MIBK)	Averaged	0.13193	0.11436	0.0100	-13.3208	20.0000
Methyl-tert-butyl ether	Averaged	0.47882	0.46559	0.1000	-2.7628	20.0000
Naphthalene	Averaged	1.35763	1.43147	0.0000	5.4388	20.0000
n-Propylbenzene	Averaged	4.22850	4.31793	0.0000	2.1149	20.0000
Styrene	Averaged	1.11180	1.11843	0.3000	0.5959	20.0000
1,1,1,2-Tetrachloroethane	Averaged	0.31664	0.29713	0.0000	-6.1607	20.0000
1,1,2,2-Tetrachloroethane	Averaged	0.46040	0.43839	0.3000	-4.7808	20.0000
Tetrachloroethene	Averaged	0.51111	0.51512	0.2000	0.7835	20.0000
Toluene	Averaged	1.64395	1.57528	0.4000	-4.1775	20.0000
1,2,3-Trichlorobenzene	Averaged	0.99006	1.04169	0.0000	5.2145	20.0000
1,2,4-Trichlorobenzene	Averaged	1.14332	1.23438	0.2000	7.9645	20.0000
1,1,1-Trichloroethane	Averaged	0.45836	0.45179	0.1000	-1.4328	20.0000
1,1,2-Trichloroethane	Averaged	0.19433	0.18894	0.1000	-2.7740	20.0000
Trichloroethene	Averaged	0.32225	0.32292	0.2000	0.2074	20.0000
Trichlorofluoromethane	Averaged	0.56981	0.61960	0.1000	8.7368	20.0000
1,2,3-Trichloropropane	Averaged	0.14336	0.12890	0.0000	-10.0864	20.0000
1,2,4-Trimethylbenzene	Averaged	2.86699	2.95794	0.0000	3.1721	20.0000
1,3,5-Trimethylbenzene	Averaged	2.94891	3.05188	0.0000	3.4920	20.0000
Vinyl acetate	Averaged	0.23671	0.24814	0.0000	4.8278	20.0000
Vinyl chloride	Averaged	0.34765	0.36657	0.1000	5.4413	20.0000
m&p-Xylene	Averaged	0.70099	0.69588	0.1000	-0.7287	20.0000
o-Xylene	Averaged	0.66707	0.68305	0.3000	2.3954	20.0000
4-Bromofluorobenzene (S)	Averaged	0.53207	0.53071	0.1000	-0.2548	20.0000

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

07/17/2014 9:25

MSV - FORM VII VOA-3
MSV CONTINUING CALIBRATION DATA

SAMPLE NO.

6923543CCV

Lab Name: Pace Analytical - Indiana Calibration Date: 07/01/2014 Time: 22:14
Instrument ID: 50MV1B GC Column: Col 1 Init. Calib. Date(s): 06/19/2014 06/19/2014
Lab File ID: B070114.B\01CCV.D Init. Calib. Time(s): 14:06 18:01
SDG No.: 5099627

COMPOUND	CURVE	RRF or Amount	RRF or Amount	MIN RRF	%D	MAX %D
Dibromofluoromethane (S)	Averaged	0.23820	0.23577	0.1000	-1.0216	20.0000
Toluene-d8 (S)	Averaged	1.31413	1.29172	0.1000	-1.7056	20.0000

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

07/17/2014 9:25

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

Lab Name: Pace Analytical - Indiana SDG No.: 5099627 Contract: Sibley - Accucast
 Sample ID : 6930017CCV Init. Calib. Date: 06/19/2014 Time: 06/19/2014
 Instrument ID: 50MV1A GC Column: Col 1 Date Analyzed: 07/02/2014
 Lab File ID: A070214.BVA01CCV.D Time Analyzed: 11:19

		AREA CBZ	RT	AREA DCB	RT	AREA FBZ	RT
12 HOUR STD		227366	7.486	120768	8.965	298390	4.406
UPPER LIMIT		454732	7.986	241536	9.465	596780	4.906
LOWER LIMIT		113683	6.986	60384	8.465	149195	3.906
LAB SAMPLE ID	SAMPLE NO.						
1122141	1122141BLANK	226198	7.487	127426	8.967	306267	4.408
1122142	1122142LCS	228069	7.483	116369	8.963	299072	4.409
5099627005	TMW-9 (3-5)	215259	7.488	120720	8.968	288313	4.409
5099627006	TMW-3 (15-16)	214579	7.487	116753	8.966	288430	4.408
5099627007	TMW-9 (16-18)	200181	7.485	110900	8.964	270806	4.411
5099627008	P-7 (13-15)	199430	7.487	110978	8.967	268802	4.408
5099627009	P-3 (16-18)	186545	7.487	105243	8.967	252407	4.408
5099627010	TMW-7 (14-16)	193821	7.488	105304	8.967	258704	4.409
5099627014	TMW-3 (8-9)	229186	7.483	128249	8.968	304301	4.409
5099627015	P-9 (2-4)	222462	7.485	124325	8.964	295979	4.411
5099627017	P-9 (13-15)	212728	7.488	115439	8.967	285358	4.408

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.: 5099627 Contract: Sibley - Accucast
 Sample ID : 6930227CCV Init. Calib. Date: 06/19/2014 Time: 06/19/2014
 Instrument ID: 50MV1A GC Column: Col 1 Date Analyzed: 07/02/2014
 Lab File ID: A070214.B\C01CCV.D Time Analyzed: 23:05

		AREA CBZ	RT	AREA DCB	RT	AREA FBZ	RT
12 HOUR STD		211415	7.488	108668	8.968	278021	4.409
UPPER LIMIT		422830	7.988	217336	9.468	556042	4.909
LOWER LIMIT		105707.5	6.988	54334	8.468	139010.5	3.909
LAB SAMPLE ID	SAMPLE NO.						
1122274	1122274BLANK	198220	7.488	110046	8.968	266694	4.409
1122275	1122275LCS	204236	7.489	105669	8.968	267990	4.409
5099627018	Surf-Dupe	188277	7.487	102873	8.967	258482	4.413
5099627019	Trip Blank	187533	7.488	107000	8.968	254198	4.409

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.: 5099627 Contract: Sibley - Accucast
 Sample ID : 6933401CCV Init. Calib. Date: 06/19/2014 Time: 06/19/2014
 Instrument ID: 50MV1A GC Column: Col 1 Date Analyzed: 07/03/2014
 Lab File ID: A070314.BVA01CCV.D Time Analyzed: 12:16

		AREA CBZ	RT	AREA DCB	RT	AREA FBZ	RT
12 HOUR STD		192720	7.486	102842	8.965	247032	4.407
UPPER LIMIT		385440	7.986	205684	9.465	494064	4.907
LOWER LIMIT		96360	6.986	51421	8.465	123516	3.907
LAB SAMPLE ID	SAMPLE NO.						
1123500	1123500BLANK	196483	7.486	108165	8.965	258010	4.412
1123501	1123501LCS	194832	7.483	105000	8.963	251918	4.409
5099627011	P-4 (5-7)	190965	7.488	105335	8.967	253261	4.408
5099627012	P-7 (5-7)	180912	7.487	99956	8.967	243970	4.408
5099627016	P-3 (8-10)	180154	7.488	104396	8.967	246890	4.408

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.: 5099627 Contract: Sibley - Accucast
 Sample ID : 6923543CCV Init. Calib. Date: 06/19/2014 Time: 06/19/2014
 Instrument ID: 50MV1B GC Column: Col 1 Date Analyzed: 07/01/2014
 Lab File ID: B070114.B\D01CCV.D Time Analyzed: 22:14

		AREA CBZ	RT	AREA DCB	RT	AREA FBZ	RT
12 HOUR STD		192170	7.488	106764	8.968	243474	4.409
UPPER LIMIT		384340	7.988	213528	9.468	486948	4.909
LOWER LIMIT		96085	6.988	53382	8.468	121737	3.909
LAB SAMPLE ID	SAMPLE NO.						
1121337	1121337BLANK	187436	7.483	106537	8.967	245076	4.409
1121338	1121338LCS	190791	7.488	108469	8.968	244457	4.409
5099627001	P-8 (6-8)	255112	7.487	144954	8.967	327302	4.408
5099627002	TMW-7 (8-10)	233813	7.487	131323	8.967	308094	4.408
5099627003	P-8 (16-18)	235849	7.488	128845	8.968	310991	4.409
5099627004	P-4 (16-18)	234999	7.486	128717	8.965	305529	4.406

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.

P-8 (6-8)

Lab Name: Pace Analytical - Indiana
Date Received: 06/20/2014 10:42
Date Extracted: 07/02/2014 07:12
Date Analyzed: 07/02/2014 07:12
Initial wt/vol: 4.772 g Final wt/vol: 5 mL Dilution: 1

Contract: Sibley - Accucast
Matrix: Solid SDG No.: 5099627
Lab Sample ID: 5099627001
Lab File ID: B070114.BD17.D
Instrument: 50MV1B Percent Moisture: 9.9%

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-8 (6-8)

Lab Name: Pace Analytical - Indiana
Date Received: 06/20/2014 10:42
Date Extracted: 07/02/2014 07:12
Date Analyzed: 07/02/2014 07:12
Initial wt/vol: 4.772 g Final wt/vol: 5 mL Dilution: 1

Contract: Sibley - Accucast
Matrix: Solid SDG No.: 5099627
Lab Sample ID: 5099627001
Lab File ID: B070114.BD17.D
Instrument: 50MV1B Percent Moisture: 9.9%

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\50mv1b.i\b070114.b\d17.d
 Lab Smp Id: 5099627001 Client Smp ID: P-8 (6-8)
 Inj Date : 02-JUL-2014 07:12
 Operator : grm Inst ID: 50mv1b.i
 Smp Info : 5099627001
 Misc Info : 66379
 Comment :
 Method : \\192.168.50.6\chem\50mv1b.i\b070114.b\b8260_a_c.m
 Meth Date : 02-Jul-2014 13:18 50mv1b.i Quant Type: ISTD
 Cal Date : 19-JUN-2014 18:01 Cal File: b08cal.d
 Als bottle: 78
 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	9.931	% 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	(ppb)	(ppb)	
12 Acetone	43		1.747	1.747	(0.396)	3565	18.1186	20.1	
15 Methyl Acetate	43		1.924	1.925	(0.437)	1930	4.28915	4.76(H)	
19 tert-Butyl Alcohol	59		2.066	2.066	(0.469)	510	8.70852	9.67	
\$ 38 Dibromofluoromethane (S)	113		3.587	3.588	(0.814)	72707	46.6282	51.8	
* 46 Fluorobenzene (IS)	96		4.408	4.408	(1.000)	327302	50.0000		
\$ 57 Toluene-d8	98		6.211	6.212	(0.830)	326347	48.6720	54.0	
* 67 Chlorobenzene-D5 (IS)	117		7.487	7.488	(1.000)	255112	50.0000		
\$ 76 4-Bromofluorobenzene	95		8.292	8.293	(1.108)	128758	47.4292	52.6	
* 91 1,4-Dichlorobenzene-d4 (IS)	152		8.966	8.967	(1.000)	144954	50.0000		

QC Flag Legend

H - Operator selected an alternate compound hit.

Review Codes Legend

:

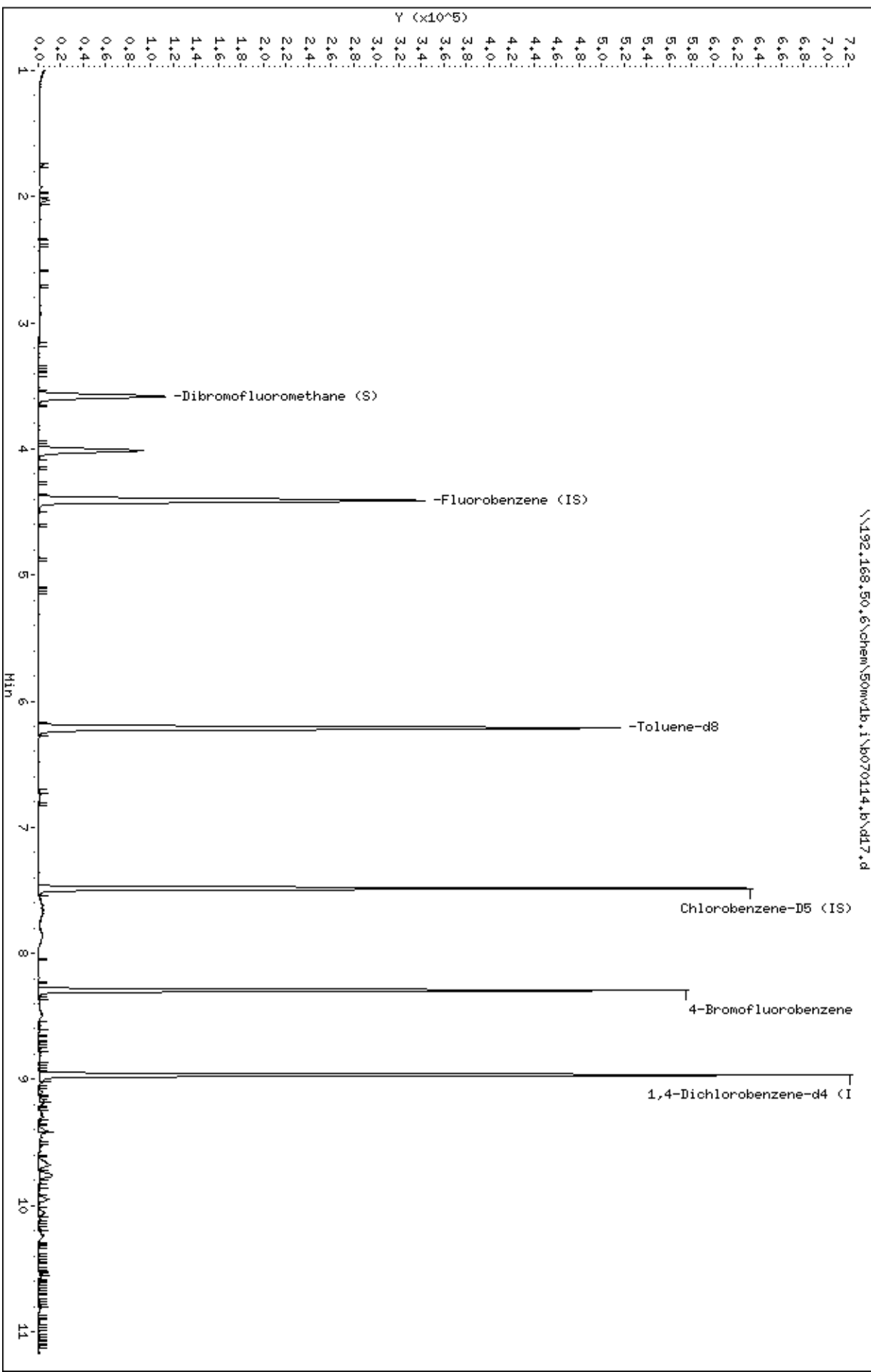
Column phase: DB-624

Instrument: 50mw\1b.1

Operator: grm

Column diameter: 0.18

\\192.168.50.6\chem\50mw\1b.1\8070114.1b\dl7.d



Date : 02-JUL-2014 07:12

Client ID: P-8 (6-8)

Instrument: 50mv1b.i

Sample Info: 5099627001

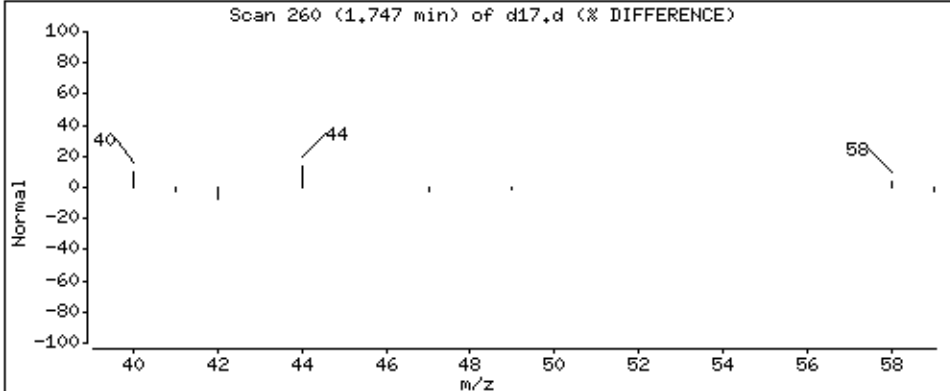
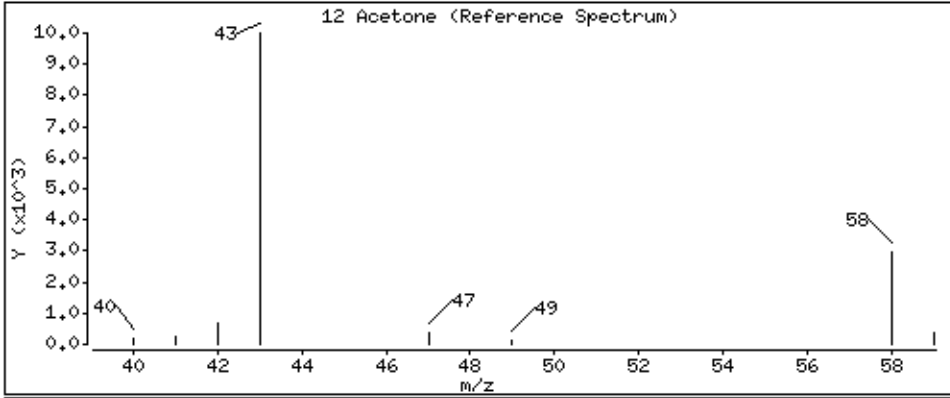
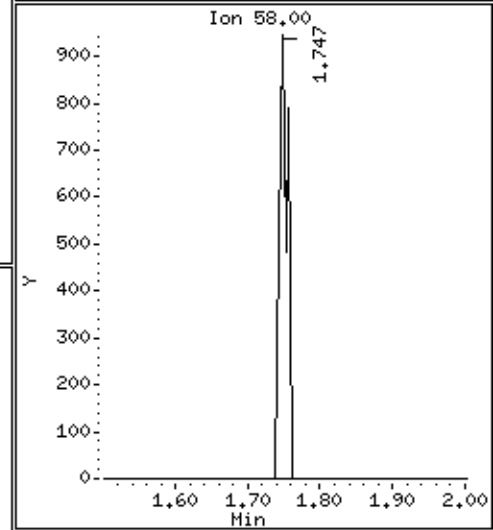
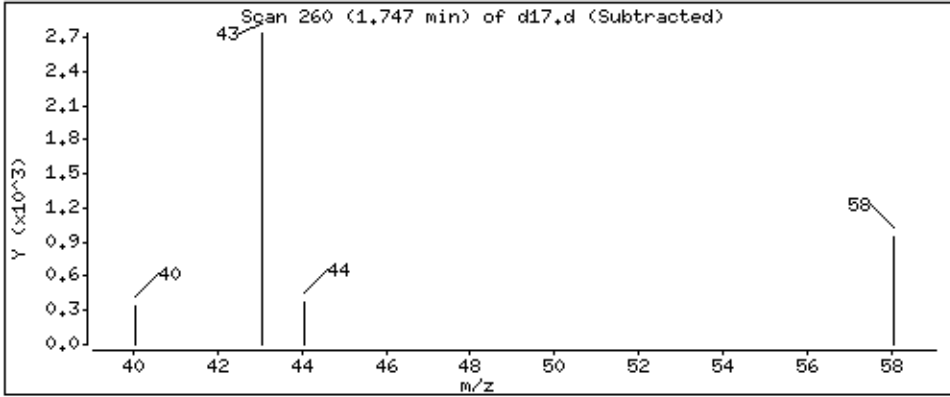
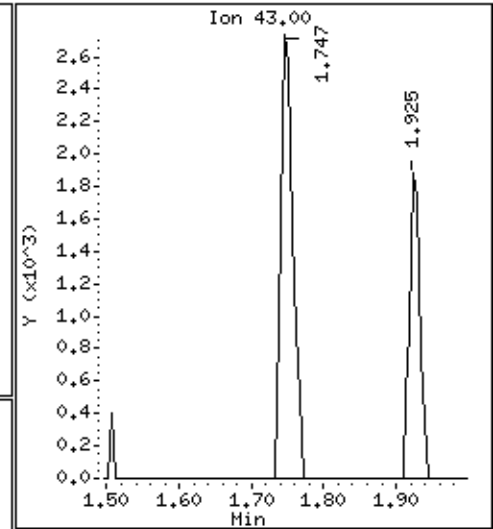
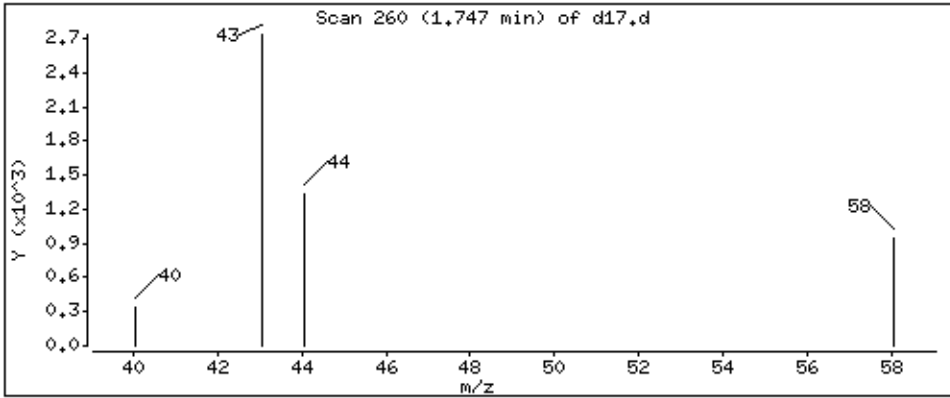
Operator: grm

Column phase: DB-624

Column diameter: 0,18

12 Acetone

Concentration: 20,1 ppb



Date : 02-JUL-2014 07:12

Client ID: P-8 (6-8)

Instrument: 50mv1b.i

Sample Info: 5099627001

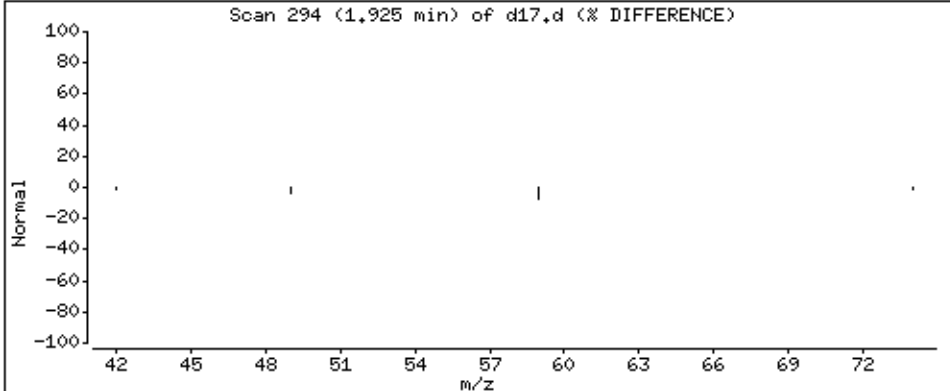
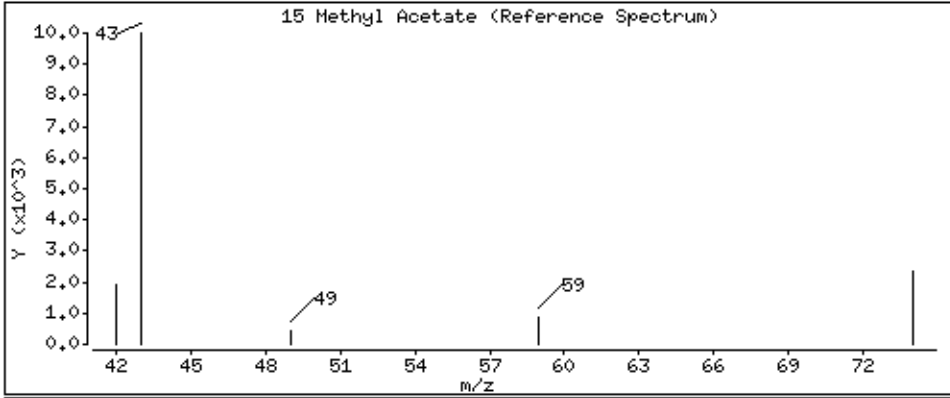
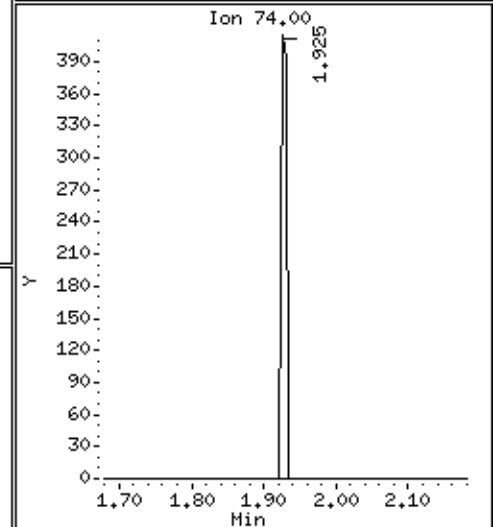
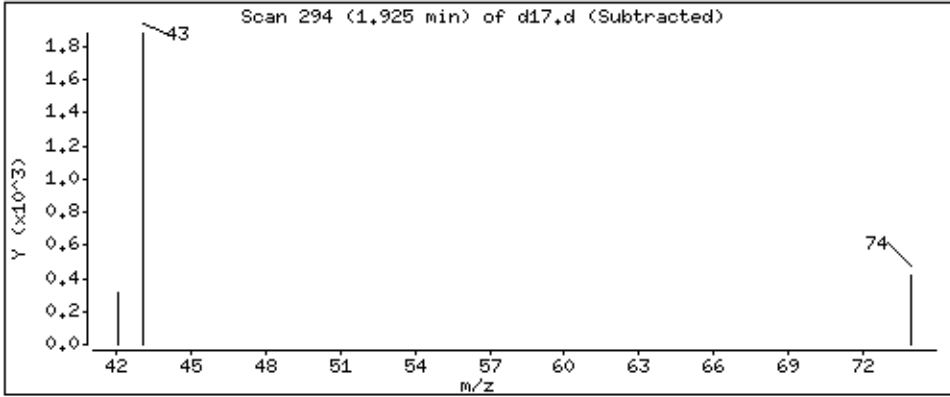
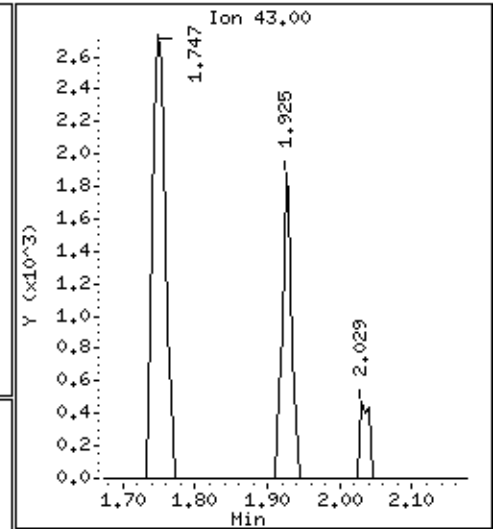
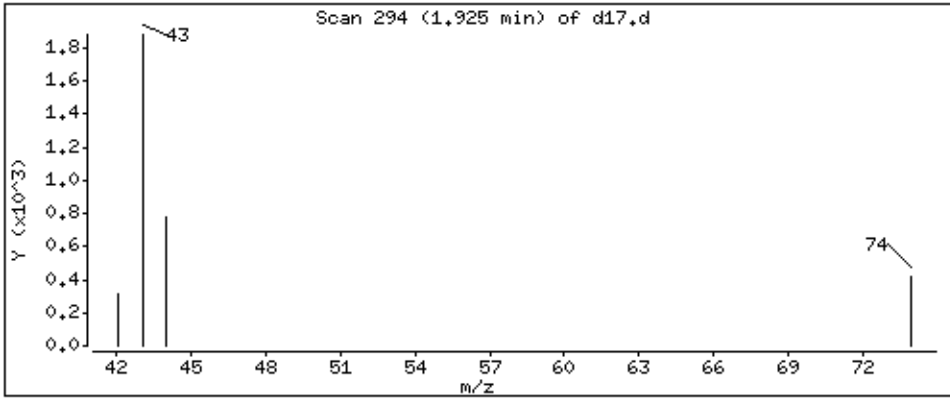
Operator: grm

Column phase: DB-624

Column diameter: 0,18

15 Methyl Acetate

Concentration: 4,76 ppb



Date : 02-JUL-2014 07:12

Client ID: P-8 (6-8)

Instrument: 50mv1b.i

Sample Info: 5099627001

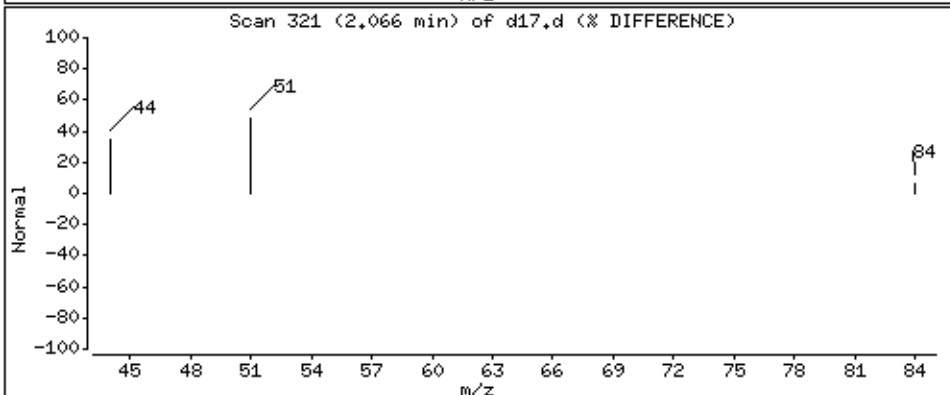
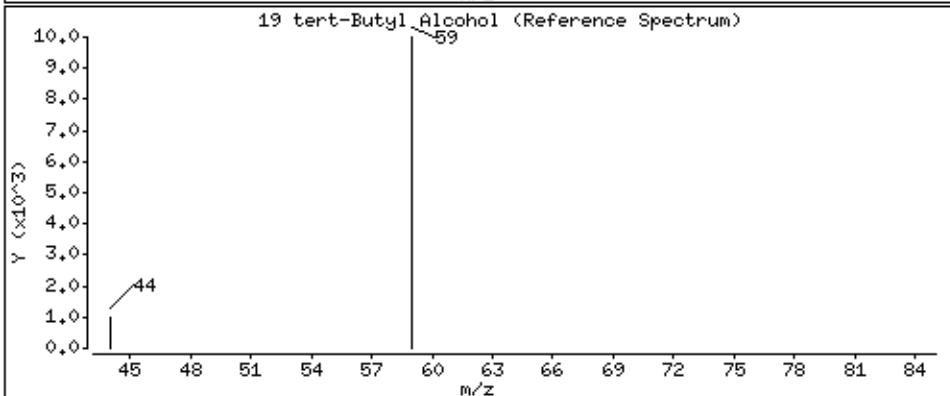
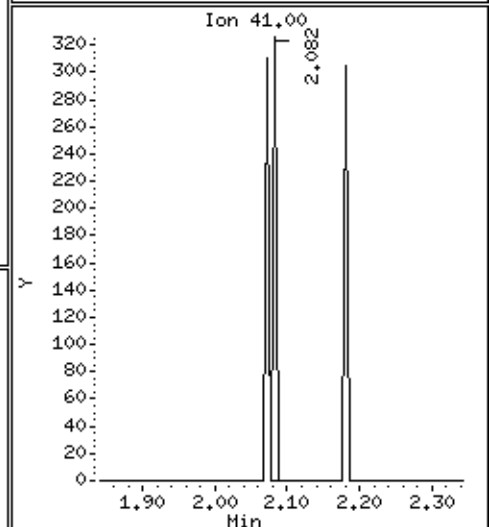
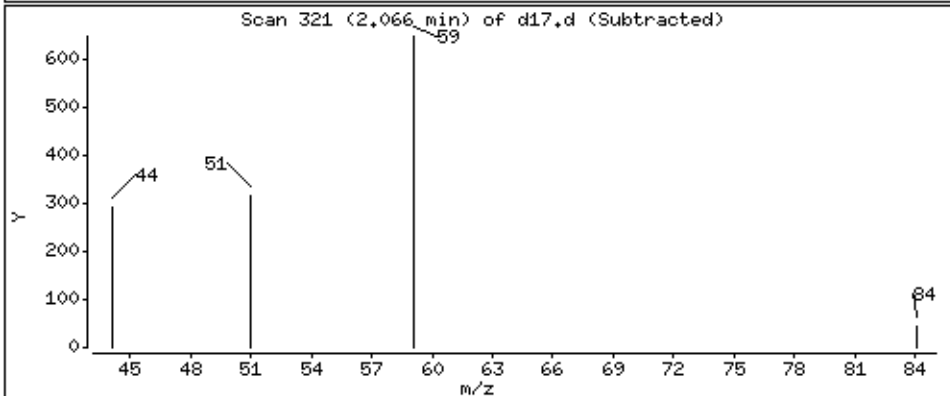
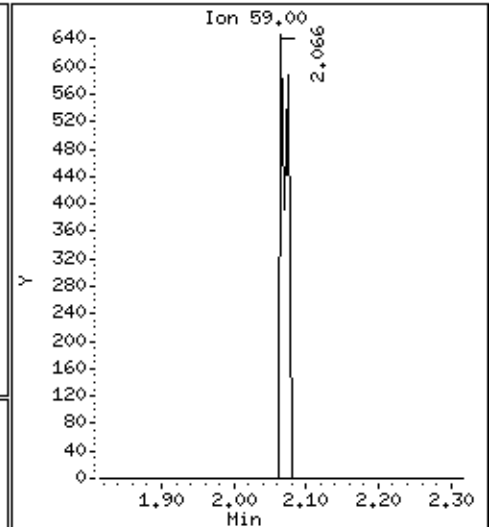
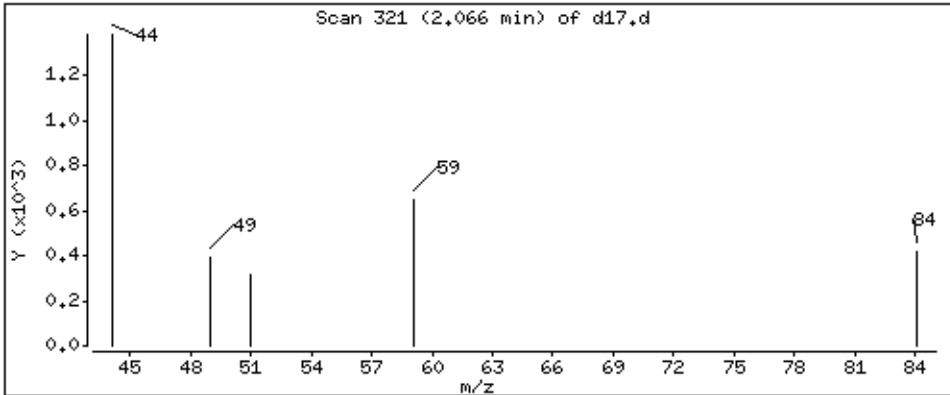
Operator: grm

Column phase: DB-624

Column diameter: 0,18

19 tert-Butyl Alcohol

Concentration: 9,67 ppb



Data File: \\192.168.50.6\chem\50mv1b.i\b070114.b/d17.d
Injection Date: 02-JUL-2014 07:12
Instrument: 50mv1b.i
Lab Sample ID: 5099627001
NO SIGNAL MANUAL INTEGRATIONS DONE FOR THIS DATA FILE

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

SAMPLE NO.

TMW-7 (8-10)

Lab Name: Pace Analytical - Indiana
Date Received: 06/20/2014 10:42
Date Extracted: 07/02/2014 07:46
Date Analyzed: 07/02/2014 07:46
Initial wt/vol: 5.442 g Final wt/vol: 5 mL Dilution: 1

Contract: Sibley - Accucast
Matrix: Solid SDG No.: 5099627
Lab Sample ID: 5099627002
Lab File ID: B070114.BD18.D
Instrument: 50MV1B Percent Moisture: 15.5%

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
67-64-1	Acetone	169	
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

07/17/2014 9:25

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

SAMPLE NO.

TMW-7 (8-10)

Lab Name: Pace Analytical - Indiana
Date Received: 06/20/2014 10:42
Date Extracted: 07/02/2014 07:46
Date Analyzed: 07/02/2014 07:46
Initial wt/vol: 5.442 g Final wt/vol: 5 mL Dilution: 1

Contract: Sibley - Accucast
Matrix: Solid SDG No.: 5099627
Lab Sample ID: 5099627002
Lab File ID: B070114.BD18.D
Instrument: 50MV1B Percent Moisture: 15.5%

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

07/17/2014 9:25

Pace Analytical Services, Inc.

Data file : \\192.168.50.6\chem\50mv1b.i\b070114.b\d18.d
 Lab Smp Id: 5099627002 Client Smp ID: TMW-7 (8-10)
 Inj Date : 02-JUL-2014 07:46
 Operator : grm Inst ID: 50mv1b.i
 Smp Info : 5099627002
 Misc Info : 66379
 Comment :
 Method : \\192.168.50.6\chem\50mv1b.i\b070114.b\b8260_a_c.m
 Meth Date : 02-Jul-2014 13:18 50mv1b.i Quant Type: ISTD
 Cal Date : 19-JUN-2014 18:01 Cal File: b08cal.d
 Als bottle: 80
 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	15.535	% Moisture (not decanted)
Va	0.00000	Volume of aliquot extract added (uL)
Cpnd Variable		Local Compound Variable

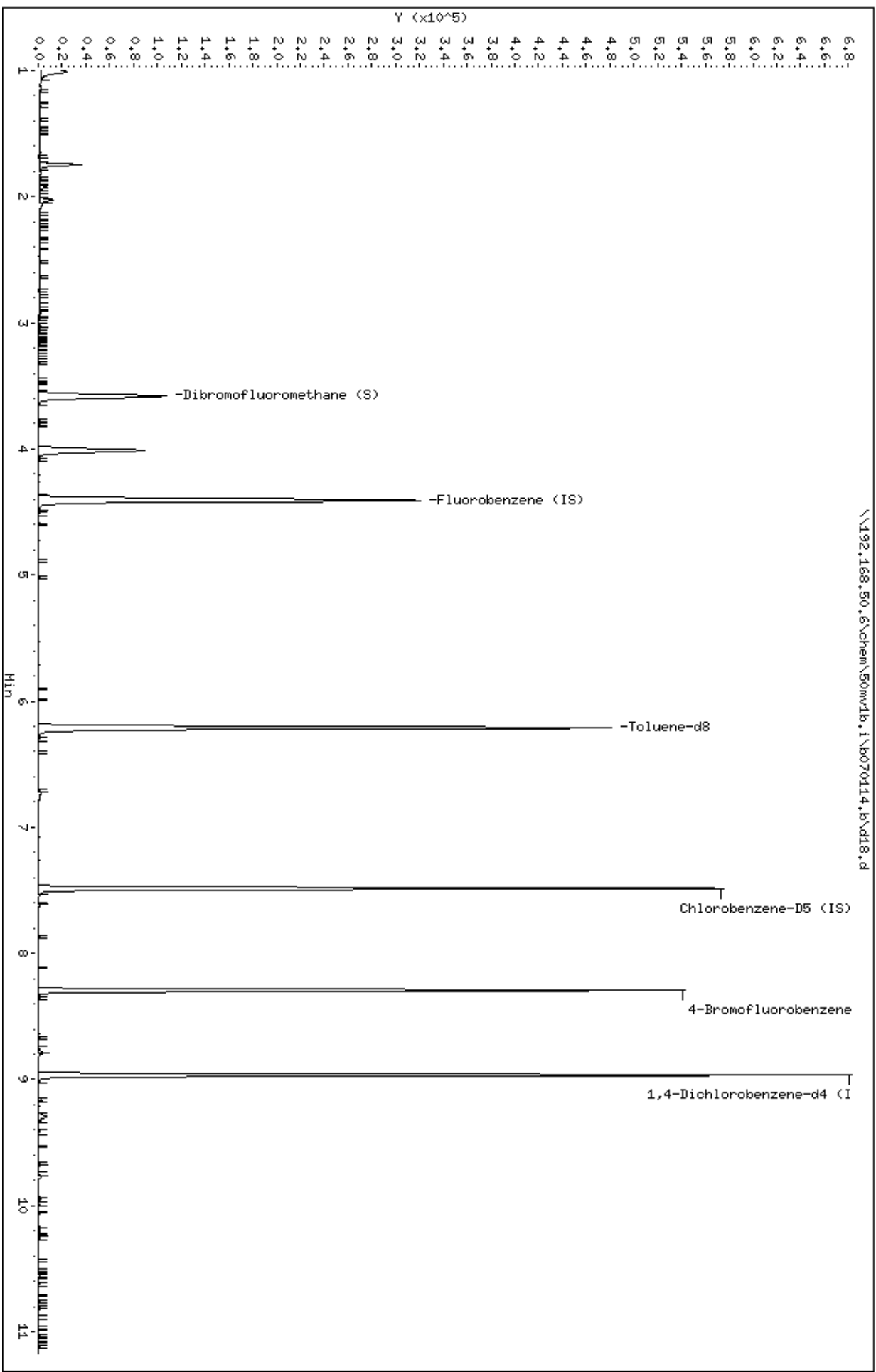
Compounds	QUANT	SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS		REVIEW C
							ON-COLUMN (ppb)	FINAL (ppb)	
12 Acetone	43		1.746	1.747	(0.396)	28711	155.017	184	
15 Methyl Acetate	43		1.924	1.925	(0.437)	5917	13.9695	16.5	
\$ 38 Dibromofluoromethane (S)	113		3.581	3.588	(0.813)	68625	46.7541	55.4	
* 46 Fluorobenzene (IS)	96		4.407	4.408	(1.000)	308094	50.0000		
\$ 57 Toluene-d8	98		6.211	6.212	(0.830)	303883	49.4502	58.5	
* 67 Chlorobenzene-D5 (IS)	117		7.487	7.488	(1.000)	233813	50.0000		
\$ 76 4-Bromofluorobenzene	95		8.292	8.293	(1.108)	120302	48.3512	57.2	
* 91 1,4-Dichlorobenzene-d4 (IS)	152		8.966	8.967	(1.000)	131323	50.0000		

Column phase: DB-624

Instrument: 50mw\1b.1

Operator: grm

Column diameter: 0.18



Date : 02-JUL-2014 07:46

Client ID: THW-7 (8-10)

Instrument: 50mv1b.i

Sample Info: 5099627002

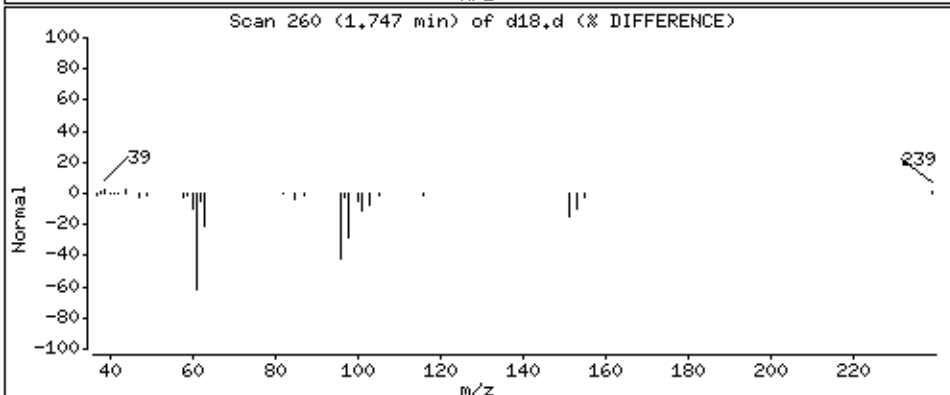
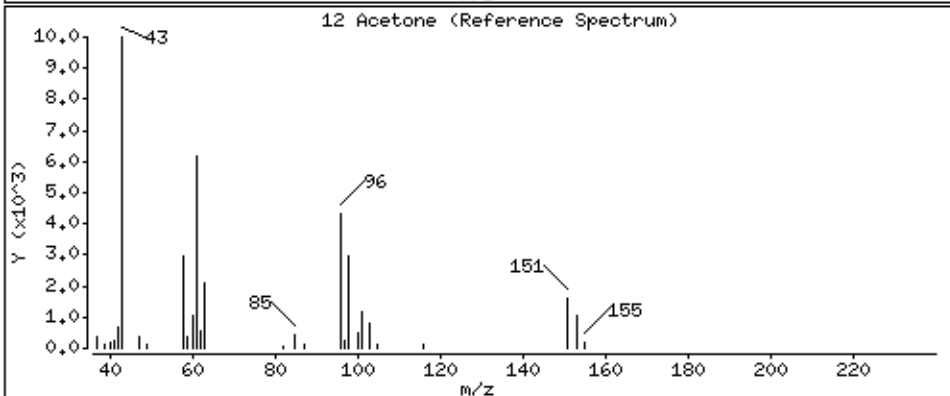
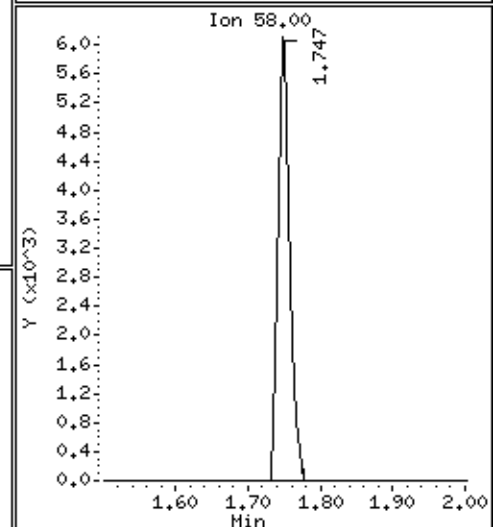
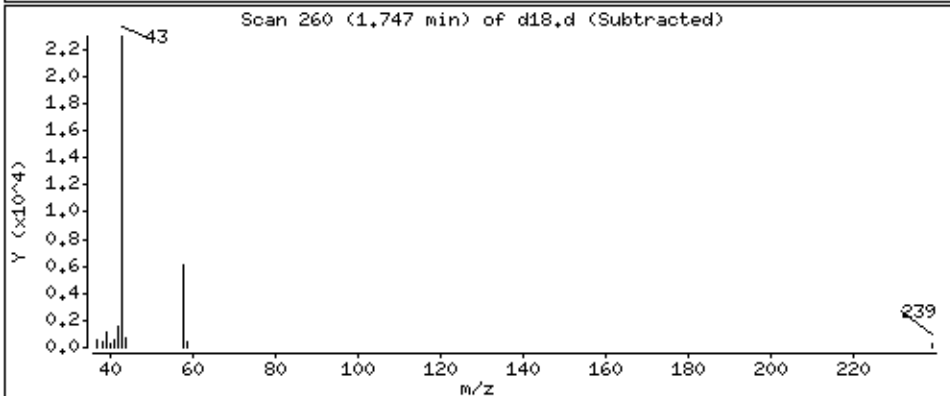
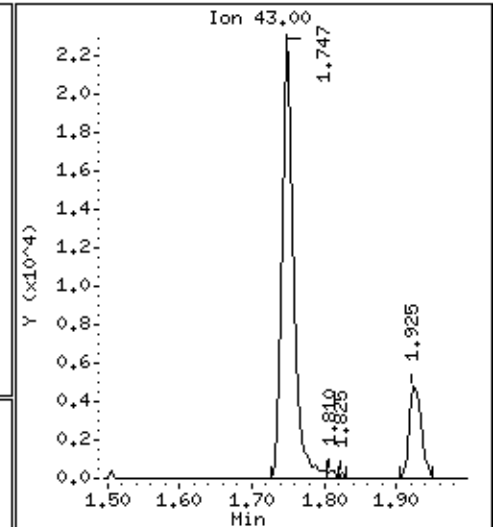
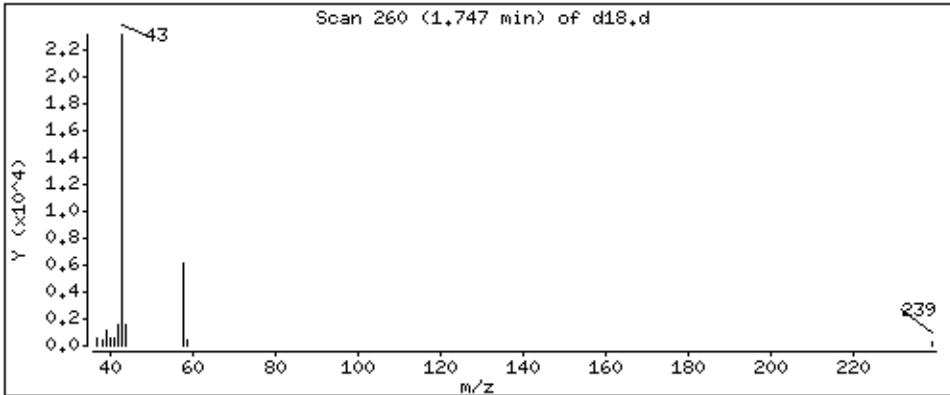
Operator: grm

Column phase: DB-624

Column diameter: 0,18

12 Acetone

Concentration: 184 ppb



Date : 02-JUL-2014 07:46

Client ID: THW-7 (8-10)

Instrument: 50mv1b.i

Sample Info: 5099627002

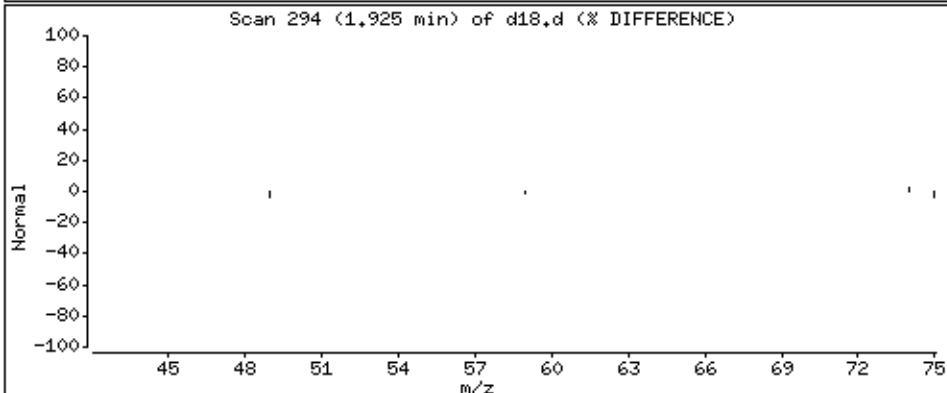
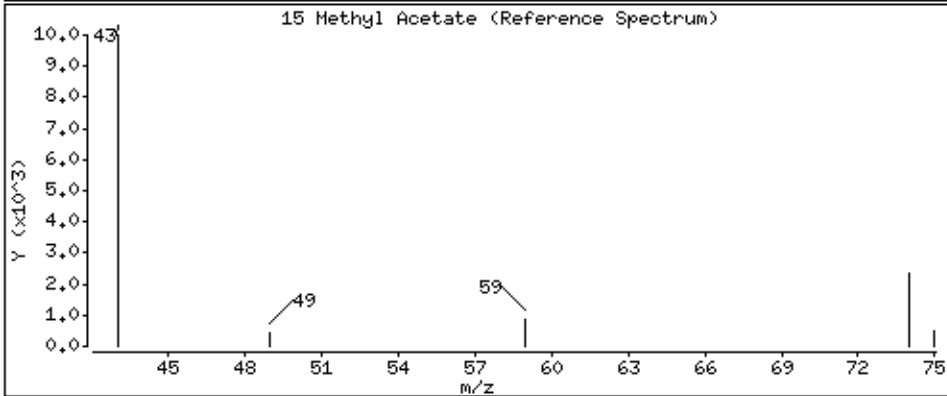
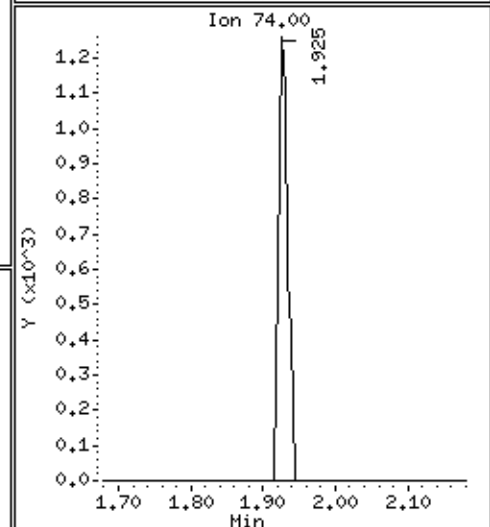
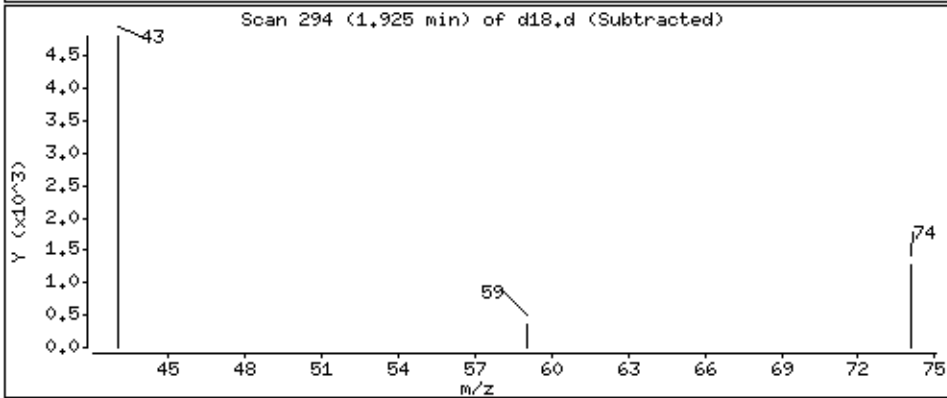
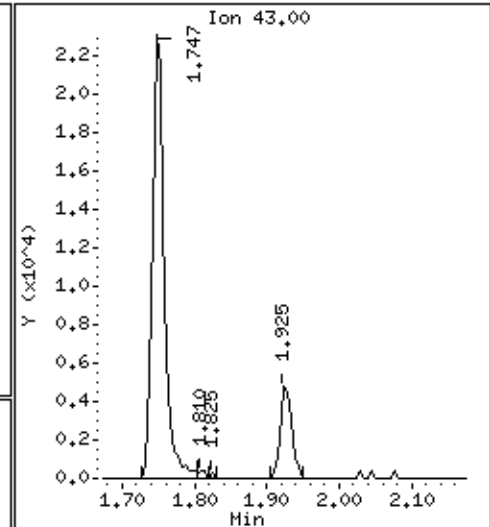
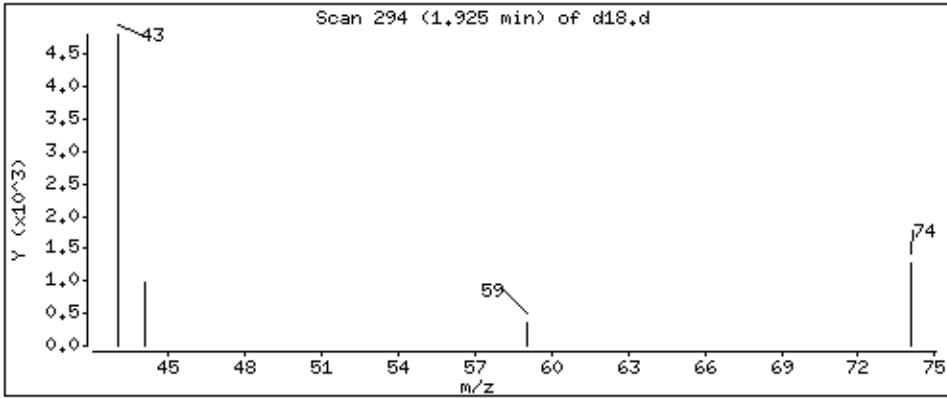
Operator: grm

Column phase: DB-624

Column diameter: 0,18

15 Methyl Acetate

Concentration: 16,5 ppb



Data File: \\192.168.50.6\chem\50mv1b.i\b070114.b/d18.d
Injection Date: 02-JUL-2014 07:46
Instrument: 50mv1b.i
Lab Sample ID: 5099627002
NO SIGNAL MANUAL INTEGRATIONS DONE FOR THIS DATA FILE

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

SAMPLE NO.

P-8 (16-18)

Lab Name: Pace Analytical - Indiana
Date Received: 06/20/2014 10:42
Date Extracted: 07/02/2014 08:20
Date Analyzed: 07/02/2014 08:20
Initial wt/vol: 6.072 g Final wt/vol: 5 mL Dilution: 1

Contract: Sibley - Accucast
Matrix: Solid SDG No.: 5099627
Lab Sample ID: 5099627003
Lab File ID: B070114.BD19.D
Instrument: 50MV1B Percent Moisture: 16.0%

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

07/17/2014 9:25

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

SAMPLE NO.

P-8 (16-18)

Lab Name: Pace Analytical - Indiana
Date Received: 06/20/2014 10:42
Date Extracted: 07/02/2014 08:20
Date Analyzed: 07/02/2014 08:20
Initial wt/vol: 6.072 g Final wt/vol: 5 mL Dilution: 1

Contract: Sibley - Accucast
Matrix: Solid SDG No.: 5099627
Lab Sample ID: 5099627003
Lab File ID: B070114.BD19.D
Instrument: 50MV1B Percent Moisture: 16.0%

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\50mv1b.i\b070114.b\d19.d
 Lab Smp Id: 5099627003 Client Smp ID: P-8 (16-18)
 Inj Date : 02-JUL-2014 08:20
 Operator : grm Inst ID: 50mv1b.i
 Smp Info : 5099627003
 Misc Info : 66379
 Comment :
 Method : \\192.168.50.6\chem\50mv1b.i\b070114.b\b8260_a_c.m
 Meth Date : 02-Jul-2014 13:18 50mv1b.i Quant Type: ISTD
 Cal Date : 19-JUN-2014 18:01 Cal File: b08cal.d
 Als bottle: 1
 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	16.027	% 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	RT	EXP RT	REL RT	
	MASS		(ppb)	(ppb)				
\$ 38 Dibromofluoromethane (S)	113		45.4722	54.2	3.582	3.588	(0.813)	67371
* 46 Fluorobenzene (IS)	96		50.0000		4.408	4.408	(1.000)	310991
\$ 57 Toluene-d8	98		49.1312	58.5	6.212	6.212	(0.830)	304552
58 Toluene	91		0.12651	0.151	6.280	6.285	(0.839)	981
* 67 Chlorobenzene-D5 (IS)	117		50.0000		7.488	7.488	(1.000)	235849
\$ 76 4-Bromofluorobenzene	95		46.6699	55.6	8.293	8.293	(1.108)	117130
* 91 1,4-Dichlorobenzene-d4 (IS)	152		50.0000		8.967	8.967	(1.000)	128845

Review Codes Legend

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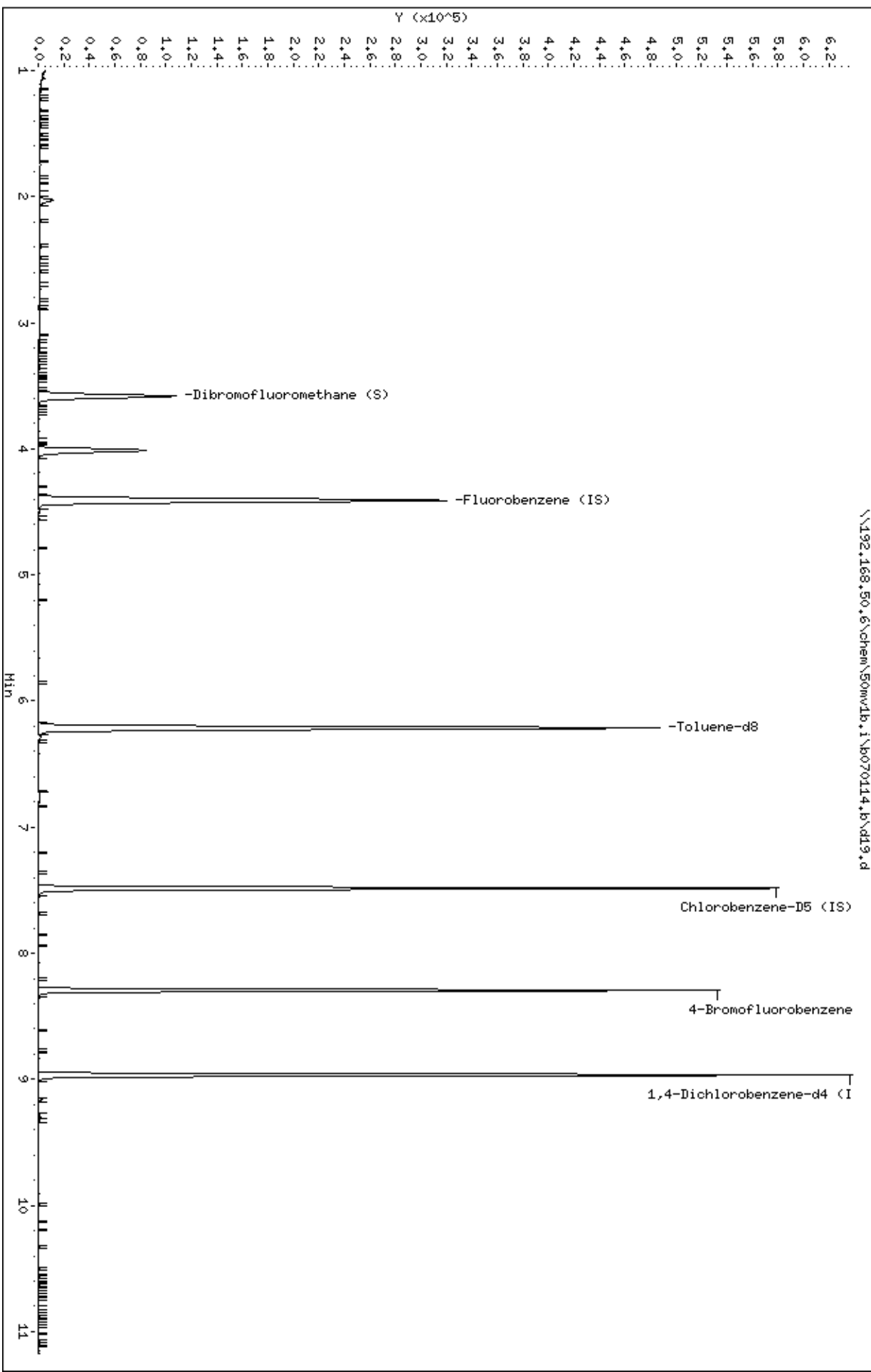
Column phase: DB-624

Instrument: 50mwlb.1

Operator: grm

Column diameter: 0.18

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Date : 02-JUL-2014 08:20

Client ID: P-8 (16-18)

Instrument: 50mv1b.i

Sample Info: 5099627003

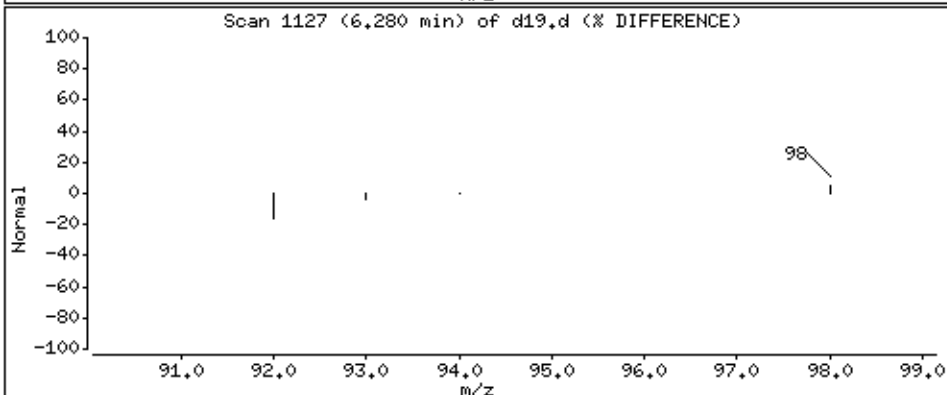
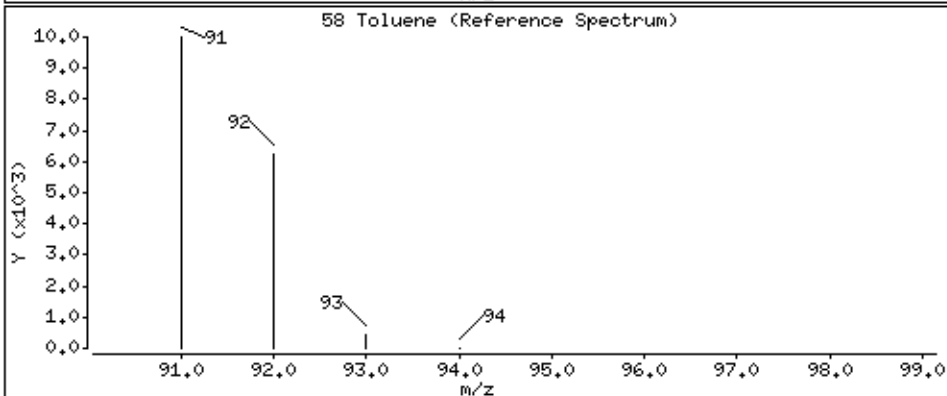
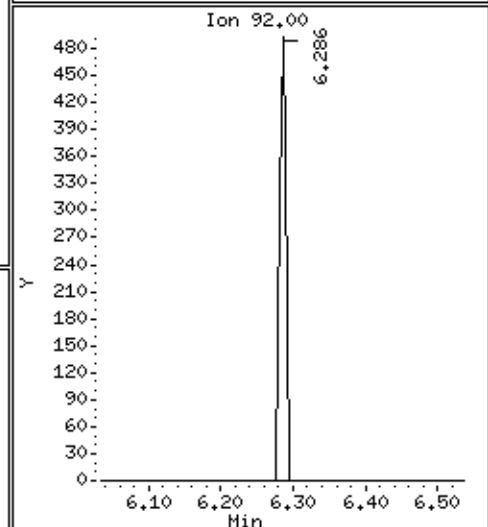
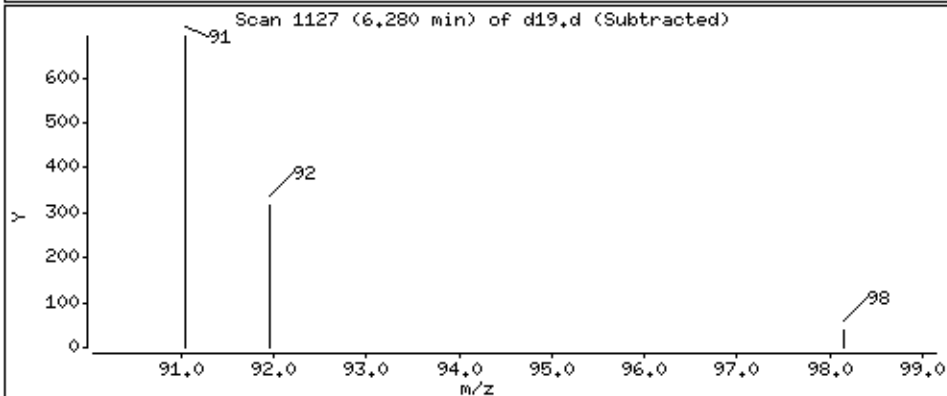
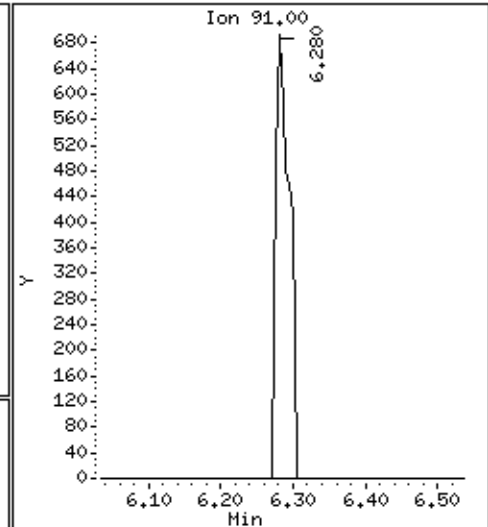
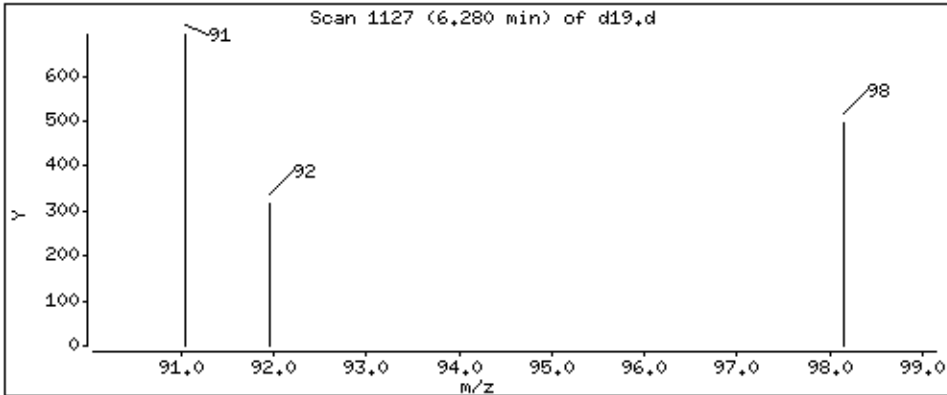
Operator: grm

Column phase: DB-624

Column diameter: 0,18

58 Toluene

Concentration: 0,151 ppb



Data File: \\192.168.50.6\chem\50mv1b.i\b070114.b/d19.d
Injection Date: 02-JUL-2014 08:20
Instrument: 50mv1b.i
Lab Sample ID: 5099627003
NO SIGNAL MANUAL INTEGRATIONS DONE FOR THIS DATA FILE

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

SAMPLE NO.

P-4 (16-18)

Lab Name: Pace Analytical - Indiana
Date Received: 06/20/2014 10:42
Date Extracted: 07/02/2014 08:54
Date Analyzed: 07/02/2014 08:54
Initial wt/vol: 6.252 g Final wt/vol: 5 mL Dilution: 1

Contract: Sibley - Accucast
Matrix: Solid SDG No.: 5099627
Lab Sample ID: 5099627004
Lab File ID: B070114.BD20.D
Instrument: 50MV1B Percent Moisture: 16.0%

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

07/17/2014 9:25

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

SAMPLE NO.

P-4 (16-18)

Lab Name: Pace Analytical - Indiana
Date Received: 06/20/2014 10:42
Date Extracted: 07/02/2014 08:54
Date Analyzed: 07/02/2014 08:54
Initial wt/vol: 6.252 g Final wt/vol: 5 mL Dilution: 1

Contract: Sibley - Accucast
Matrix: Solid SDG No.: 5099627
Lab Sample ID: 5099627004
Lab File ID: B070114.BD20.D
Instrument: 50MV1B Percent Moisture: 16.0%

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

07/17/2014 9:25

Pace Analytical Services, Inc.

Data file : \\192.168.50.6\chem\50mv1b.i\b070114.b\d20.d
 Lab Smp Id: 5099627004 Client Smp ID: P-4 (16-18)
 Inj Date : 02-JUL-2014 08:54
 Operator : grm Inst ID: 50mv1b.i
 Smp Info : 5099627004
 Misc Info : 66379
 Comment :
 Method : \\192.168.50.6\chem\50mv1b.i\b070114.b\b8260_a_c.m
 Meth Date : 02-Jul-2014 13:18 50mv1b.i Quant Type: ISTD
 Cal Date : 19-JUN-2014 18:01 Cal File: b08cal.d
 Als bottle: 3
 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	16.015	% 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 (ppb)	FINAL (ppb)	
\$ 38 Dibromofluoromethane (S)	113		3.585	3.588	(0.814)	69058	47.4441	56.5	
* 46 Fluorobenzene (IS)	96		4.406	4.408	(1.000)	305529	50.0000		
\$ 57 Toluene-d8	98		6.209	6.212	(0.830)	302783	49.0225	58.4	
58 Toluene	91		6.283	6.285	(0.839)	1480	0.19155	0.228	
* 67 Chlorobenzene-D5 (IS)	117		7.485	7.488	(1.000)	234999	50.0000		
73 Styrene	104		7.956	7.953	(1.063)	2559	0.48972	0.583 (H)	
\$ 76 4-Bromofluorobenzene	95		8.290	8.293	(1.108)	116215	46.4728	55.3	
* 91 1,4-Dichlorobenzene-d4 (IS)	152		8.965	8.967	(1.000)	128717	50.0000		

QC Flag Legend

H - Operator selected an alternate compound hit.

Review Codes Legend

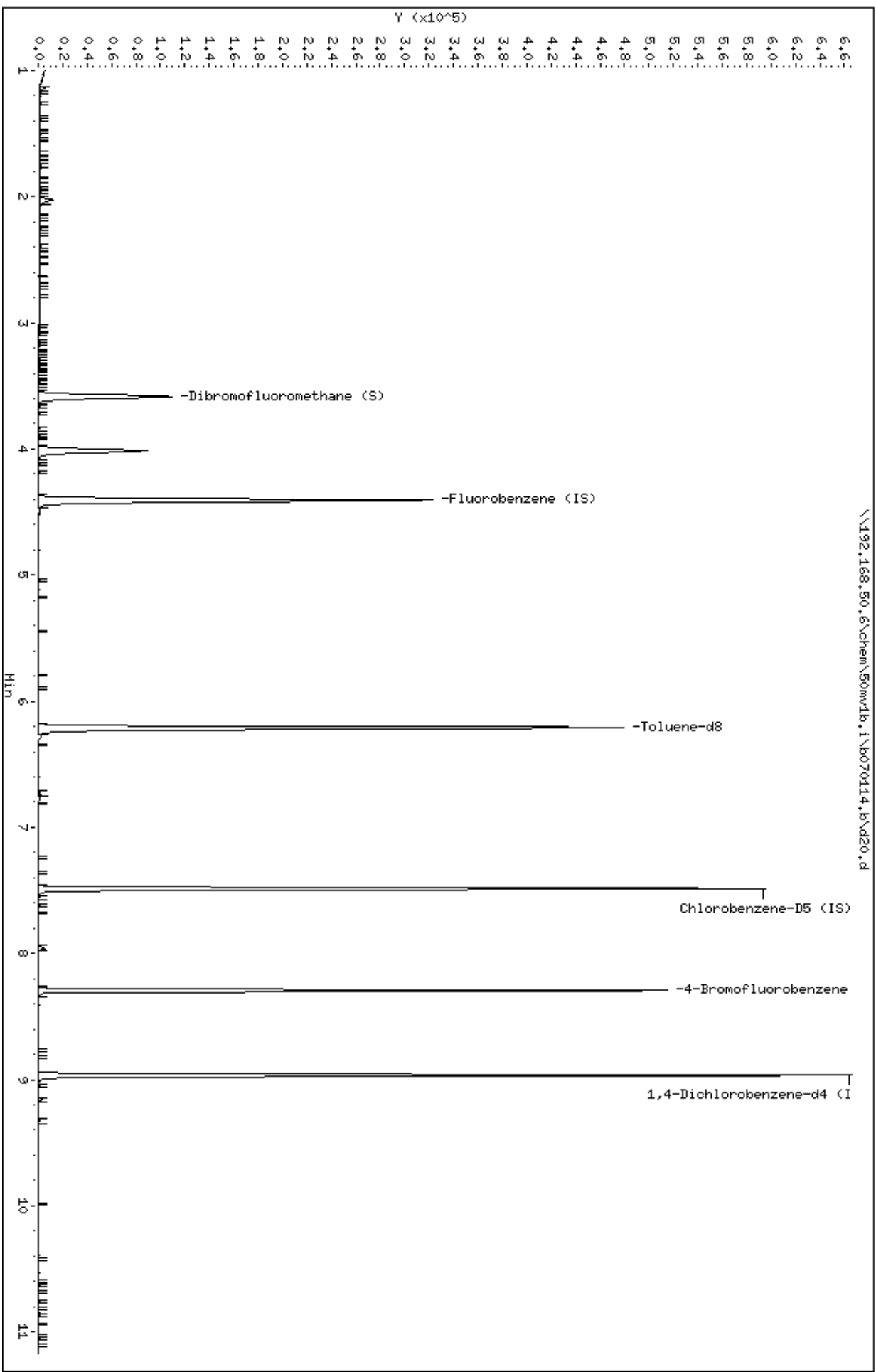
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Column phase: DB-624

Instrument: 50mw\1b.i

Operator: grm

Column diameter: 0.18



Date : 02-JUL-2014 08:54

Client ID: P-4 (16-18)

Instrument: 50mv1b.i

Sample Info: 5099627004

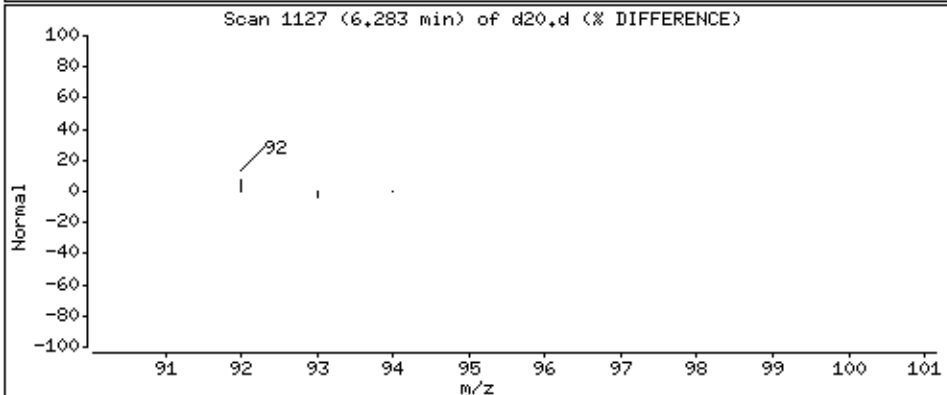
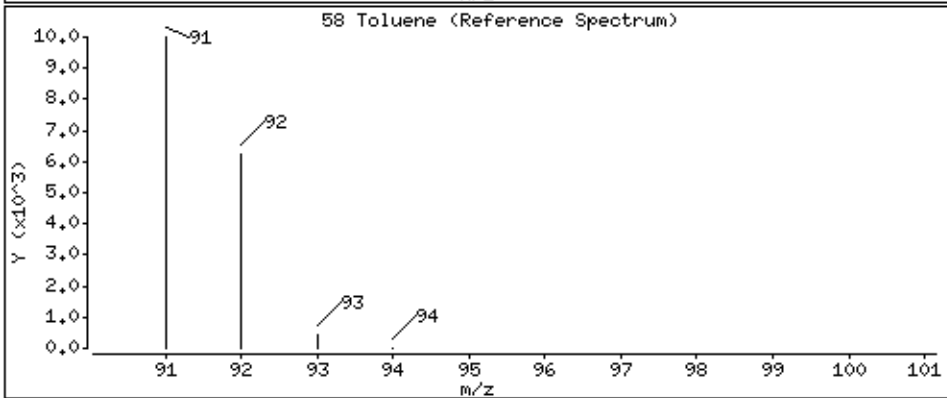
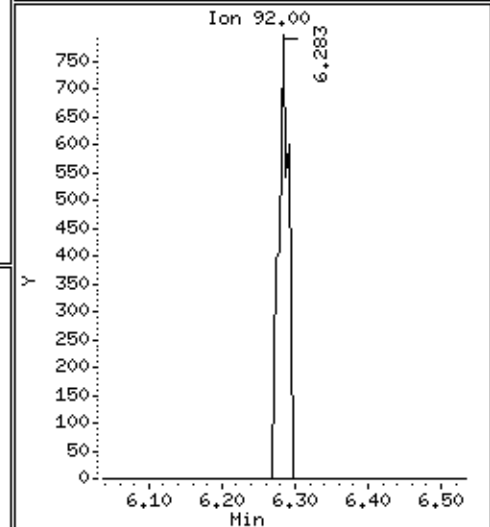
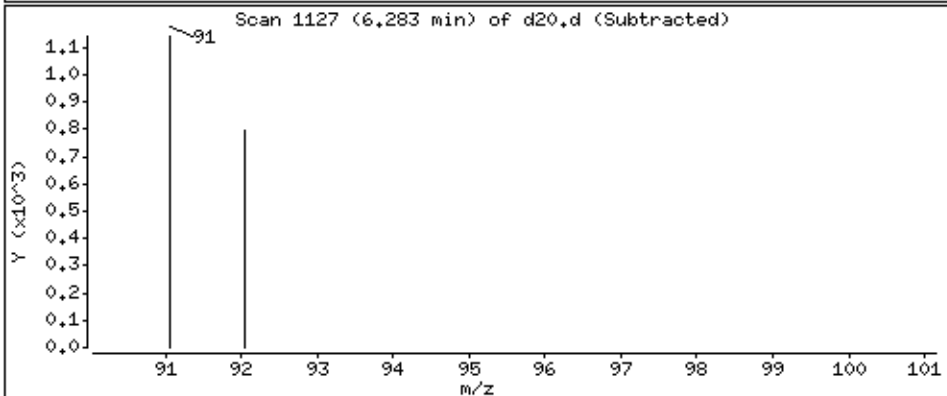
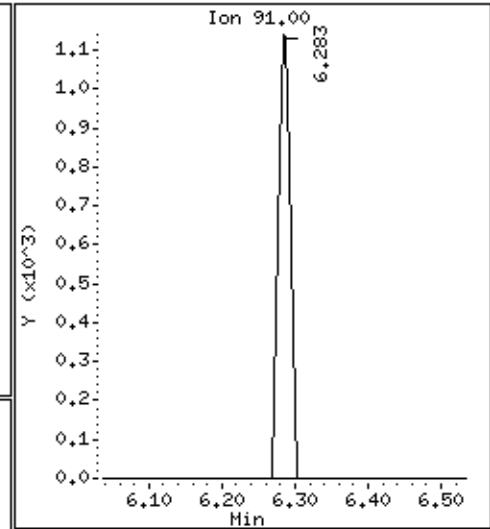
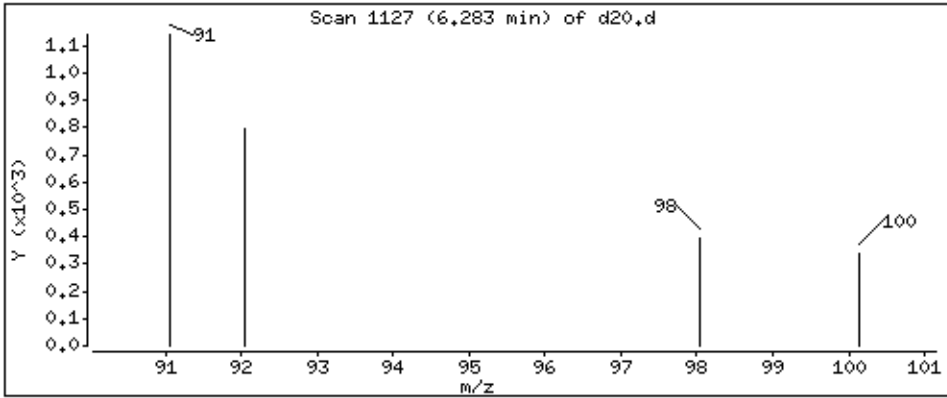
Operator: grm

Column phase: DB-624

Column diameter: 0,18

58 Toluene

Concentration: 0,228 ppb



Date : 02-JUL-2014 08:54

Client ID: P-4 (16-18)

Instrument: 50mv1b.i

Sample Info: 5099627004

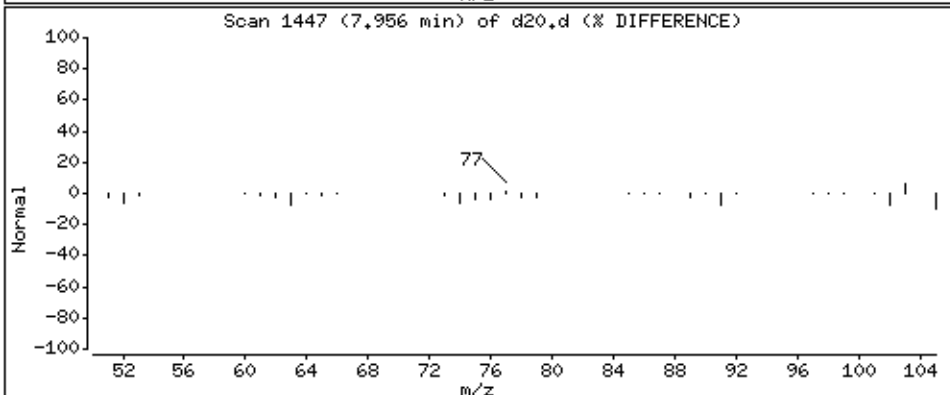
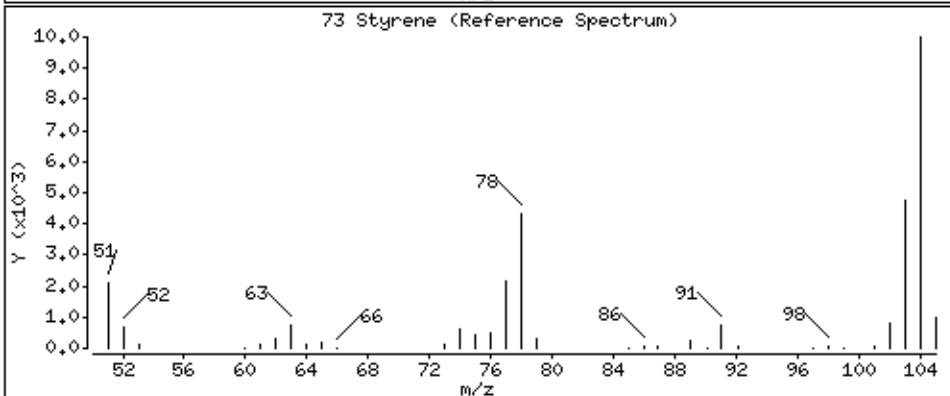
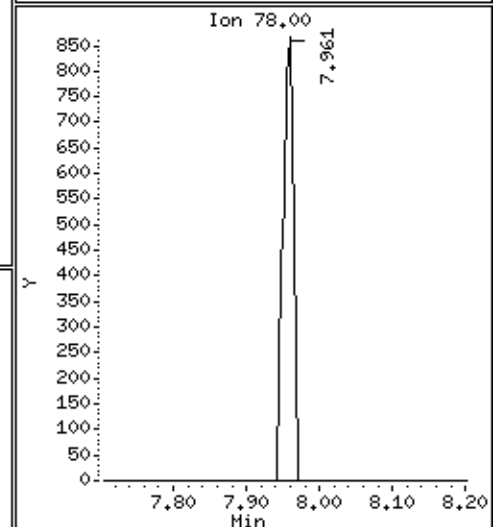
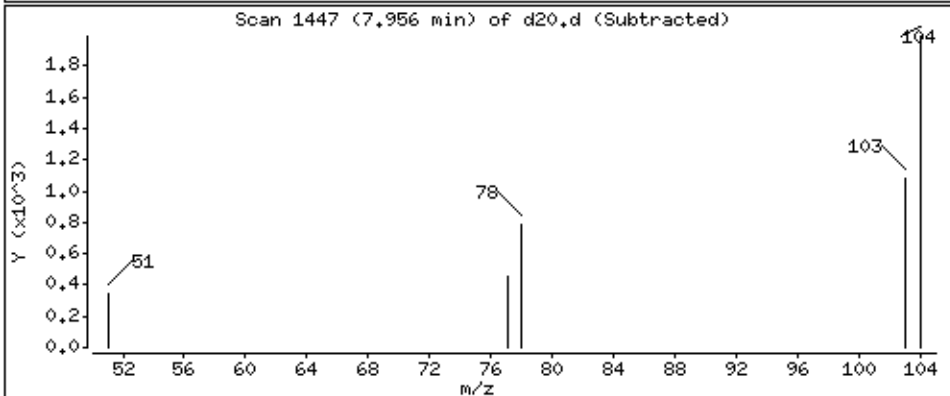
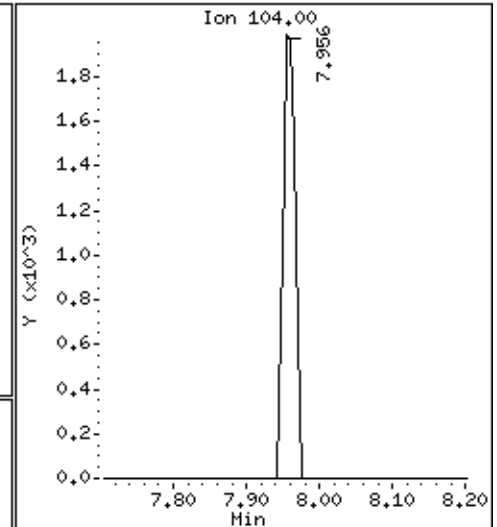
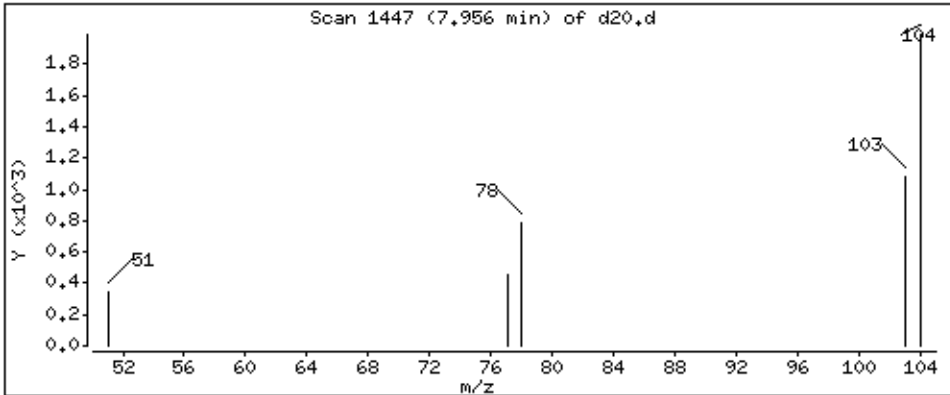
Operator: grm

Column phase: DB-624

Column diameter: 0,18

73 Styrene

Concentration: 0,583 ppb



Data File: \\192.168.50.6\chem\50mv1b.i\b070114.b/d20.d
Injection Date: 02-JUL-2014 08:54
Instrument: 50mv1b.i
Lab Sample ID: 5099627004
NO SIGNAL MANUAL INTEGRATIONS DONE FOR THIS DATA FILE

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

SAMPLE NO.

TMW-9 (3-5)

Lab Name: Pace Analytical - Indiana
Date Received: 06/20/2014 10:42
Date Extracted: 07/02/2014 15:48
Date Analyzed: 07/02/2014 15:48
Initial wt/vol: 6.092 g Final wt/vol: 5 mL Dilution: 1

Contract: Sibley - Accucast
Matrix: Solid SDG No.: 5099627
Lab Sample ID: 5099627005
Lab File ID: A070214.BVA09.D
Instrument: 50MV1A Percent Moisture: 17.0%

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

07/17/2014 9:25

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

SAMPLE NO.

TMW-9 (3-5)

Lab Name: Pace Analytical - Indiana
Date Received: 06/20/2014 10:42
Date Extracted: 07/02/2014 15:48
Date Analyzed: 07/02/2014 15:48
Initial wt/vol: 6.092 g Final wt/vol: 5 mL Dilution: 1

Contract: Sibley - Accucast
Matrix: Solid SDG No.: 5099627
Lab Sample ID: 5099627005
Lab File ID: A070214.BVA09.D
Instrument: 50MV1A Percent Moisture: 17.0%

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

07/17/2014 9:25

Pace Analytical Services, Inc.

Data file : \\192.168.50.6\chem\50mv1a.i\a070214.b\a09.d
 Lab Smp Id: 5099627005 Client Smp ID: TMW-9 (3-5)
 Inj Date : 02-JUL-2014 15:48
 Operator : grm Inst ID: 50mv1a.i
 Smp Info : 5099627005
 Misc Info : 66420
 Comment :
 Method : \\192.168.50.6\chem\50mv1a.i\a070214.b\a8260_a_c.m
 Meth Date : 03-Jul-2014 13:53 50mv1a.i Quant Type: ISTD
 Cal Date : 19-JUN-2014 17:44 Cal File: a08cal.d
 Als bottle: 19
 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	17.047	% 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 (ppb)	FINAL (ppb)	
18 Methylene Chloride	84		2.030	2.027	(0.460)	28853	2.45576	2.96	
\$ 38 Dibromofluoromethane (S)	113		3.587	3.585	(0.814)	67921	48.9509	59.0	
* 46 Fluorobenzene (IS)	96		4.408	4.406	(1.000)	288313	50.0000		
\$ 57 Toluene-d8	98		6.212	6.210	(0.830)	280918	49.4932	59.7	
58 Toluene	91		6.275	6.283	(0.838)	1460	0.20352	0.245	
* 67 Chlorobenzene-D5 (IS)	117		7.488	7.485	(1.000)	215259	50.0000		
\$ 76 4-Bromofluorobenzene	95		8.293	8.290	(1.108)	107911	46.8734	56.5	
* 91 1,4-Dichlorobenzene-d4 (IS)	152		8.967	8.965	(1.000)	120720	50.0000		

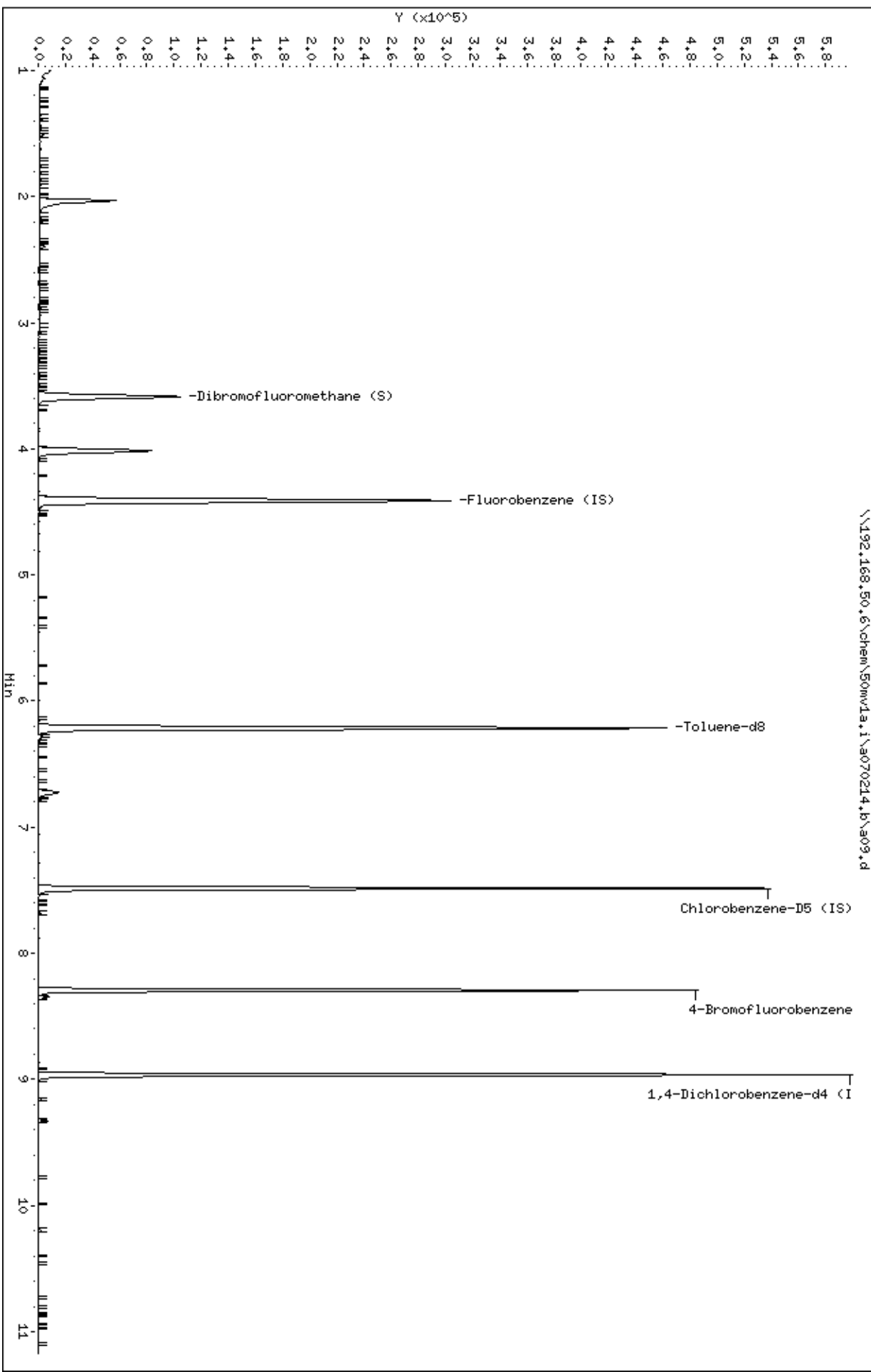
Review Codes Legend

:

Column phase: DB-624

Operator: grm
Column diameter: 0.18

\\192.168.50.6\chem\50m\1a.1\8070214.b\809.d



Date : 02-JUL-2014 15:48

Client ID: THW-9 (3-5)

Instrument: 50mv1a.i

Sample Info: 5099627005

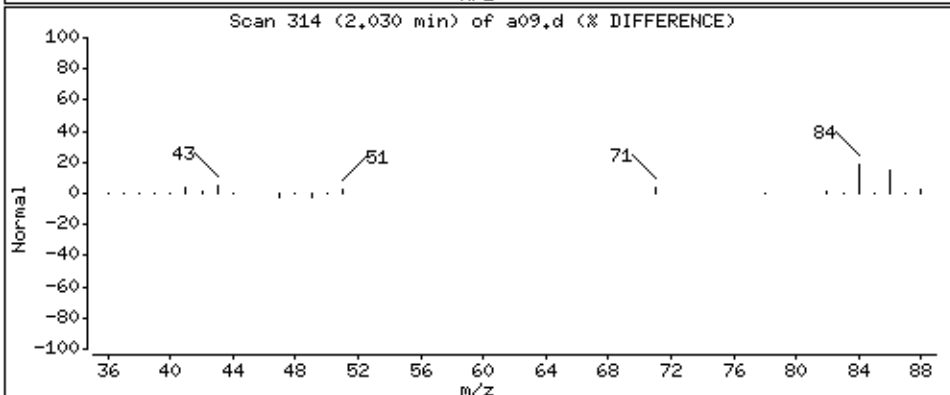
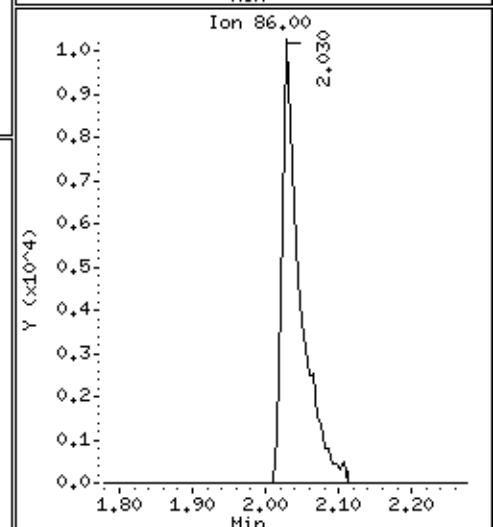
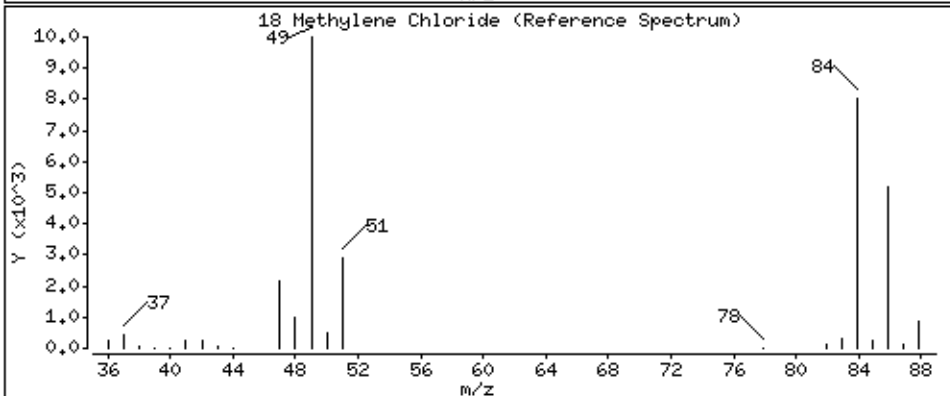
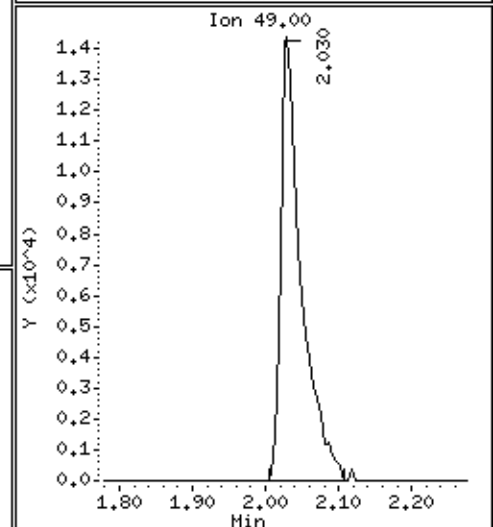
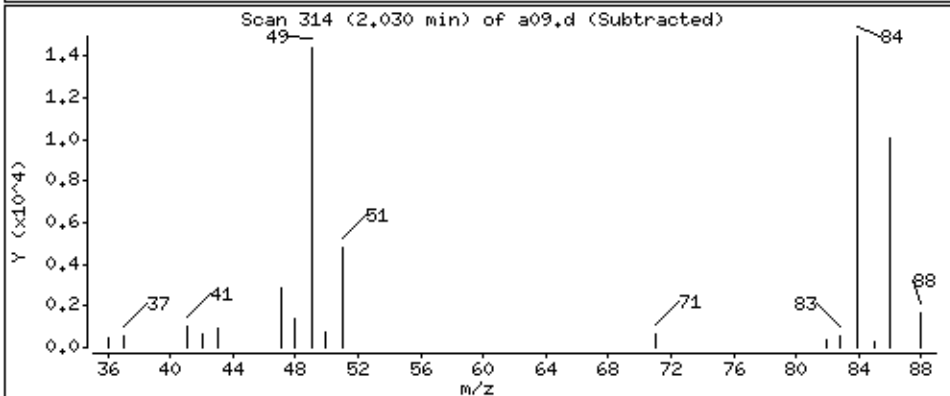
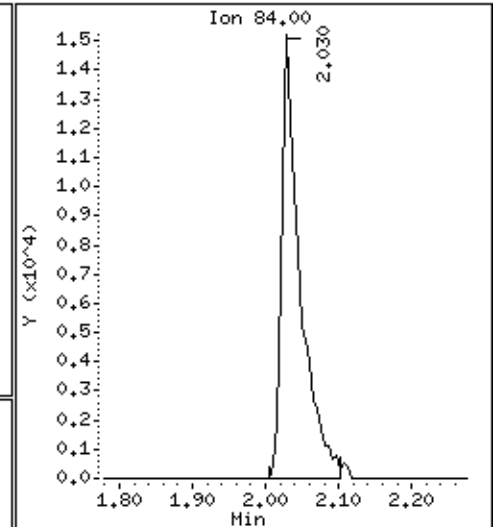
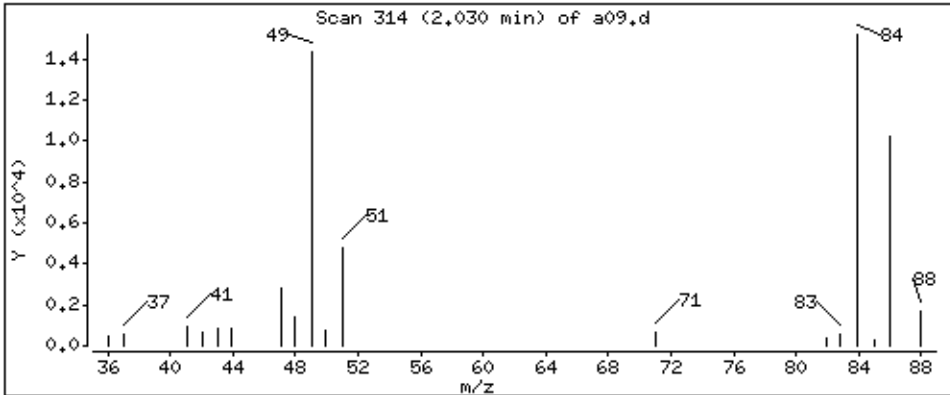
Operator: grm

Column phase: DB-624

Column diameter: 0,18

18 Methylene Chloride

Concentration: 2,96 ppb



Date : 02-JUL-2014 15:48

Client ID: THW-9 (3-5)

Instrument: 50mv1a.i

Sample Info: 5099627005

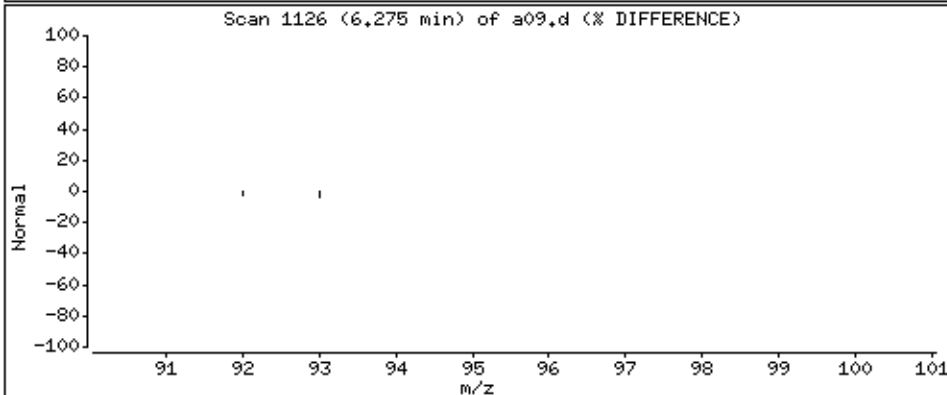
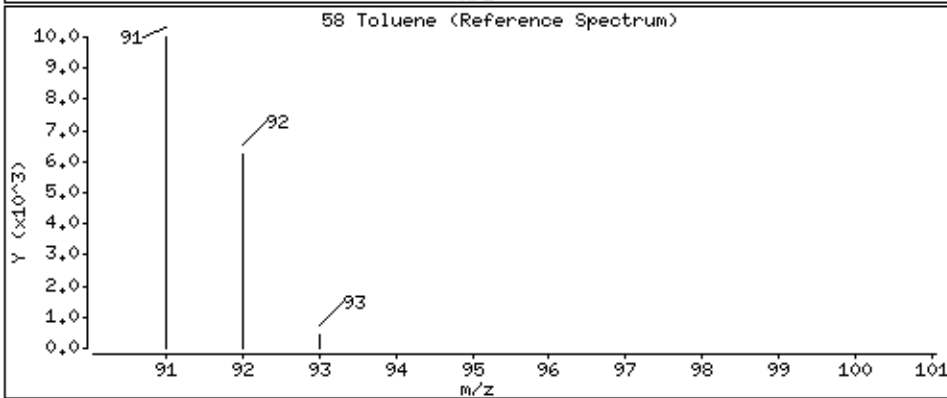
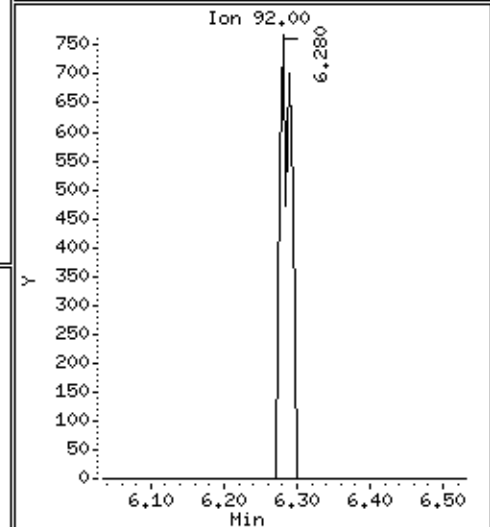
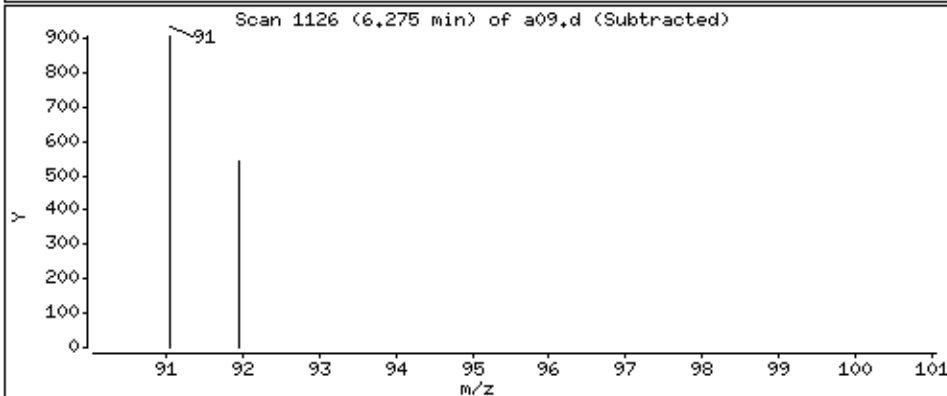
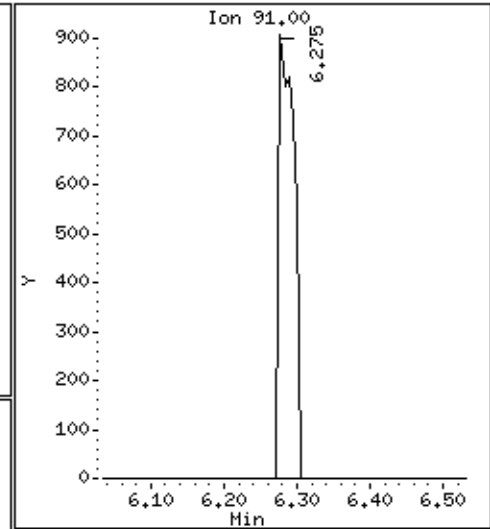
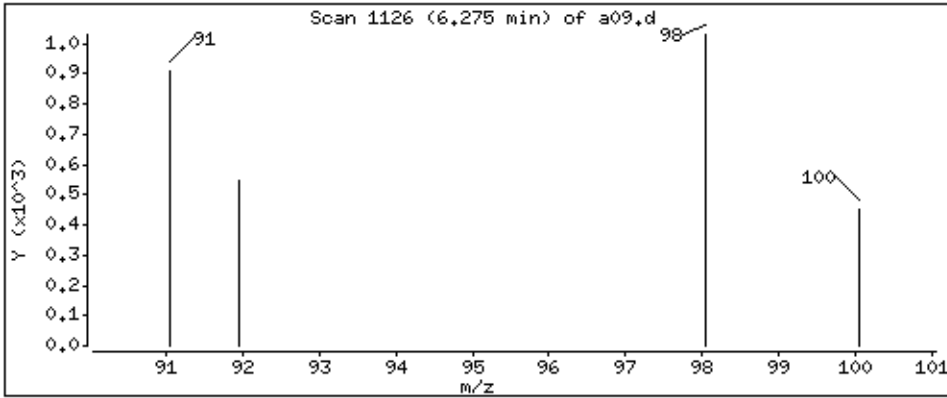
Operator: grm

Column phase: DB-624

Column diameter: 0,18

58 Toluene

Concentration: 0,245 ppb



Data File: \\192.168.50.6\chem\50mv1a.i\a070214.b/a09.d
Injection Date: 02-JUL-2014 15:48
Instrument: 50mv1a.i
Lab Sample ID: 5099627005
NO SIGNAL MANUAL INTEGRATIONS DONE FOR THIS DATA FILE

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

SAMPLE NO.

TMW-3 (15-16)

Lab Name: Pace Analytical - Indiana
Date Received: 06/20/2014 10:42
Date Extracted: 07/02/2014 16:21
Date Analyzed: 07/02/2014 16:21
Initial wt/vol: 5.862 g Final wt/vol: 5 mL Dilution: 1

Contract: Sibley - Accucast
Matrix: Solid SDG No.: 5099627
Lab Sample ID: 5099627006
Lab File ID: A070214.BVA10.D
Instrument: 50MV1A Percent Moisture: 14.3%

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

07/17/2014 9:25

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

SAMPLE NO.

TMW-3 (15-16)

Lab Name: Pace Analytical - Indiana
Date Received: 06/20/2014 10:42
Date Extracted: 07/02/2014 16:21
Date Analyzed: 07/02/2014 16:21
Initial wt/vol: 5.862 g Final wt/vol: 5 mL Dilution: 1

Contract: Sibley - Accucast
Matrix: Solid SDG No.: 5099627
Lab Sample ID: 5099627006
Lab File ID: A070214.BVA10.D
Instrument: 50MV1A Percent Moisture: 14.3%

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

07/17/2014 9:25

Pace Analytical Services, Inc.

Data file : \\192.168.50.6\chem\50mv1a.i\070214.b\10.d
 Lab Smp Id: 5099627006 Client Smp ID: TMW-3 (15-16)
 Inj Date : 02-JUL-2014 16:21
 Operator : grm Inst ID: 50mv1a.i
 Smp Info : 5099627006
 Misc Info : 66420
 Comment :
 Method : \\192.168.50.6\chem\50mv1a.i\070214.b\8260_a_c.m
 Meth Date : 03-Jul-2014 13:53 50mv1a.i Quant Type: ISTD
 Cal Date : 19-JUN-2014 17:44 Cal File: a08cal.d
 Als bottle: 21
 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	14.349	% 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	RT	EXP RT	REL RT		RESPONSE
	MASS		(ppb)	(ppb)					
18 Methylene Chloride	84		1.96665	2.30	2.028	2.027	(0.460)	28175	
\$ 38 Dibromofluoromethane (S)	113		47.3728	55.3	3.586	3.585	(0.814)	65758	
* 46 Fluorobenzene (IS)	96		50.0000		4.407	4.406	(1.000)	288430	
\$ 57 Toluene-d8	98		49.8985	58.2	6.211	6.210	(0.830)	282324	
58 Toluene	91		0.45476	0.531	6.289	6.283	(0.840)	3252	
* 67 Chlorobenzene-D5 (IS)	117		50.0000		7.486	7.485	(1.000)	214579	
71 m&p-Xylene	106		0.37546	0.438	7.680	7.679	(1.026)	1162	
\$ 76 4-Bromofluorobenzene	95		46.8660	54.7	8.291	8.290	(1.108)	107553	
84 1,3,5-Trimethylbenzene	105		0.03190	0.0372(Q)	8.542	8.541	(0.953)	230	
87 1,2,4-Trimethylbenzene	105		0.12167	0.142	8.757	8.756	(0.977)	849	
* 91 1,4-Dichlorobenzene-d4 (IS)	152		50.0000		8.966	8.965	(1.000)	116753	
92 1,4-Dichlorobenzene	146		0.06917	0.0808(Q)	8.976	8.980	(1.001)	252	
100 2,methyl-naphthalene	142		1.05636	1.23	10.801	10.800	(1.205)	2348	

QC Flag Legend

Q - Qualifier signal failed the ratio test.

QC Flag Legend

Review Codes Legend

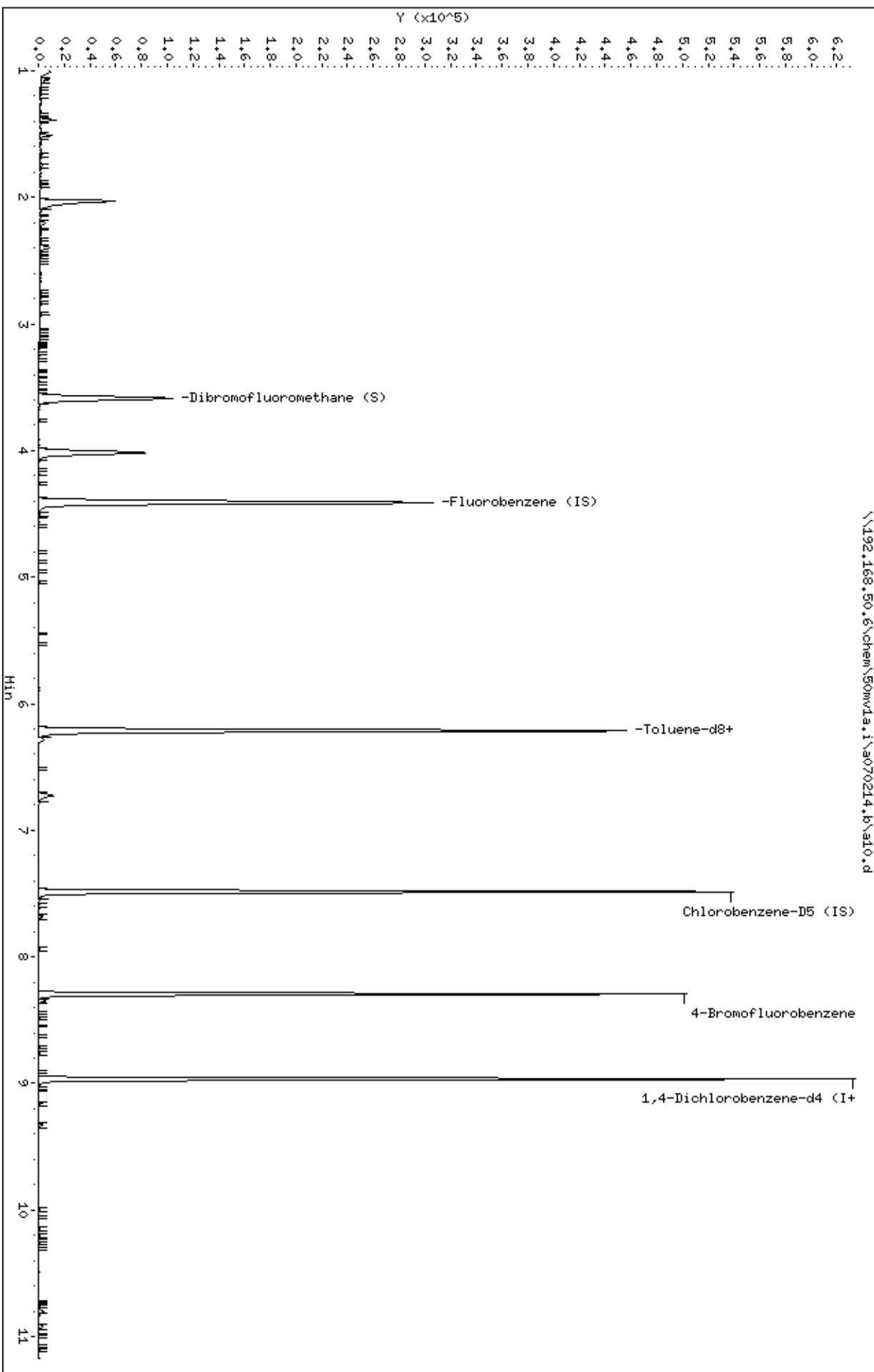
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Column phase: DB-624

Instrument: 50w1a.1

Operator: grm

Column diameter: 0.18



Date : 02-JUL-2014 16:21

Client ID: THW-3 (15-16)

Instrument: 50mv1a.i

Sample Info: 5099627006

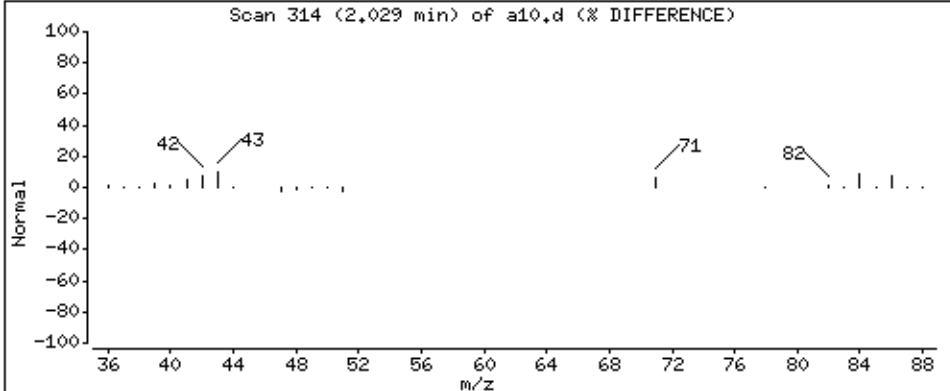
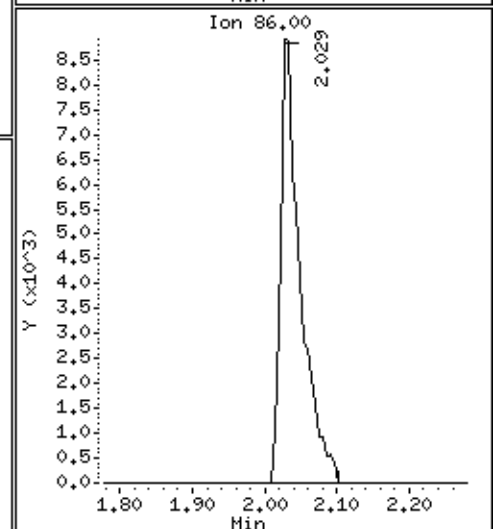
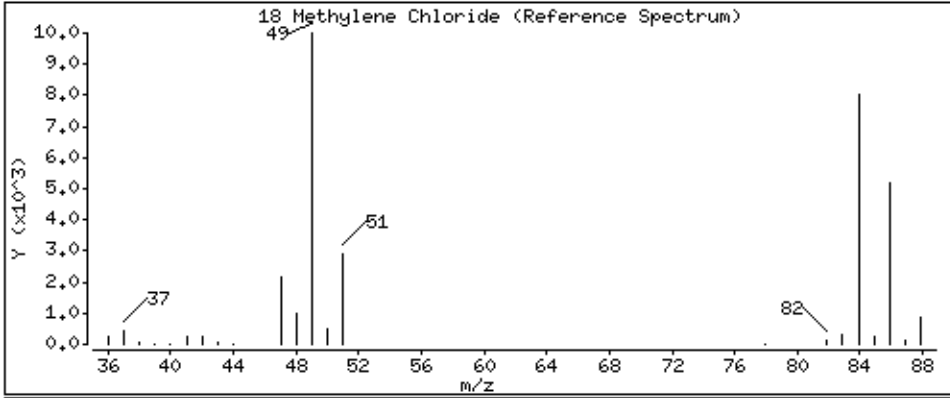
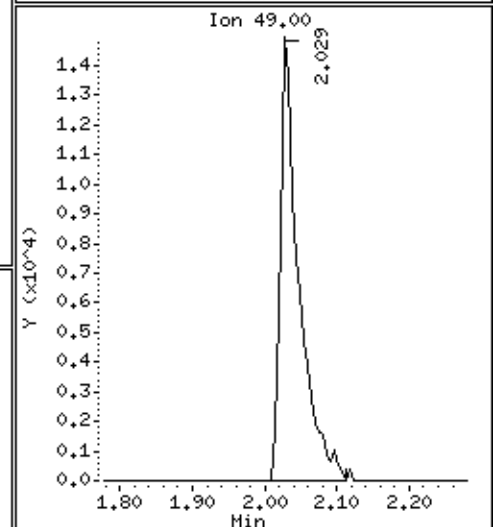
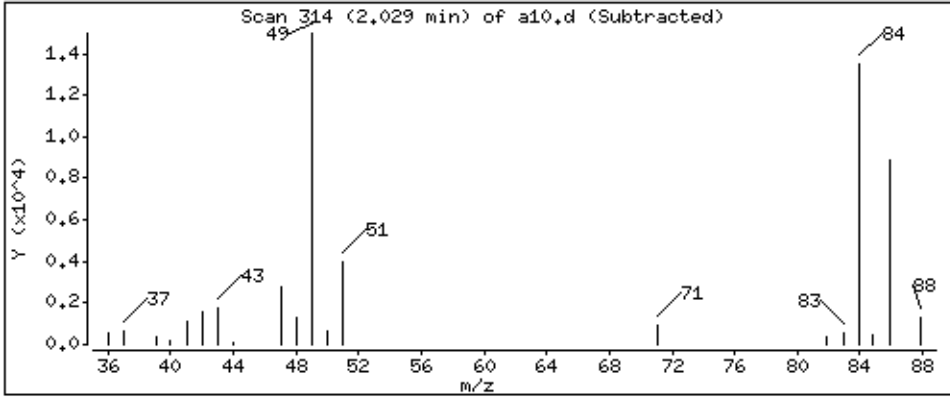
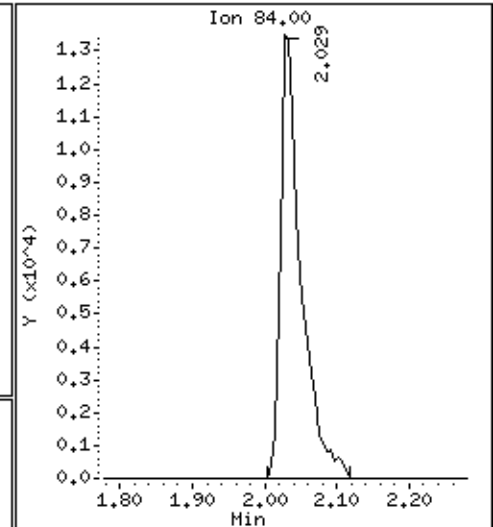
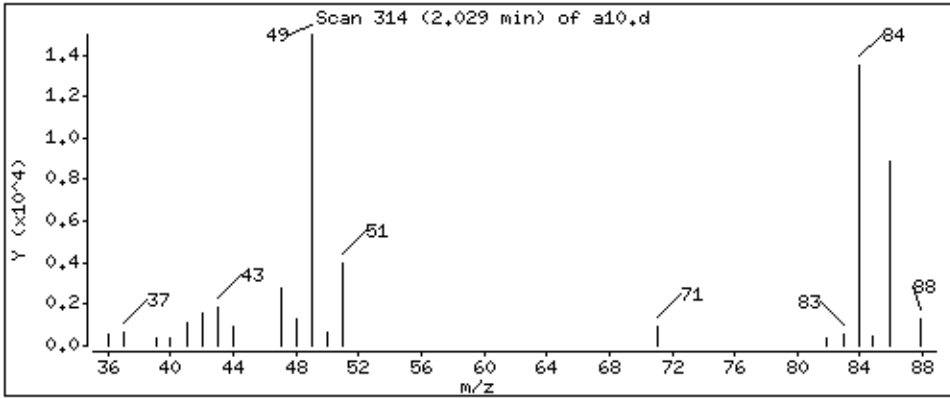
Operator: grm

Column phase: DB-624

Column diameter: 0,18

18 Methylene Chloride

Concentration: 2,30 ppb



Date : 02-JUL-2014 16:21

Client ID: THW-3 (15-16)

Instrument: 50mv1a.i

Sample Info: 5099627006

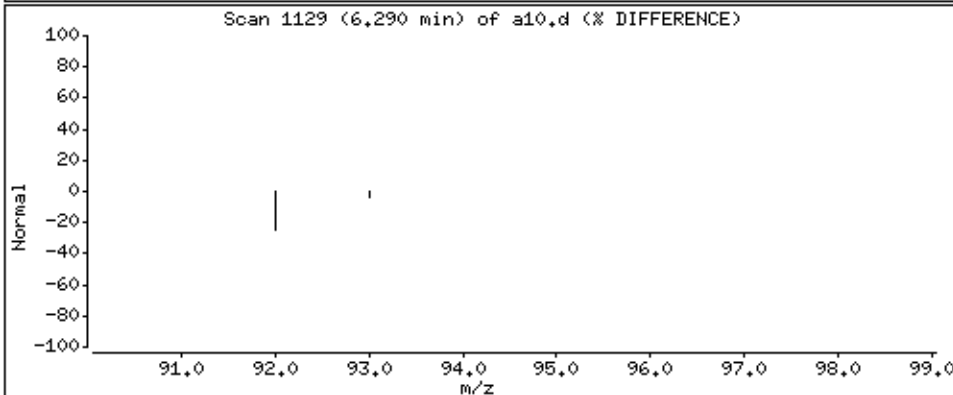
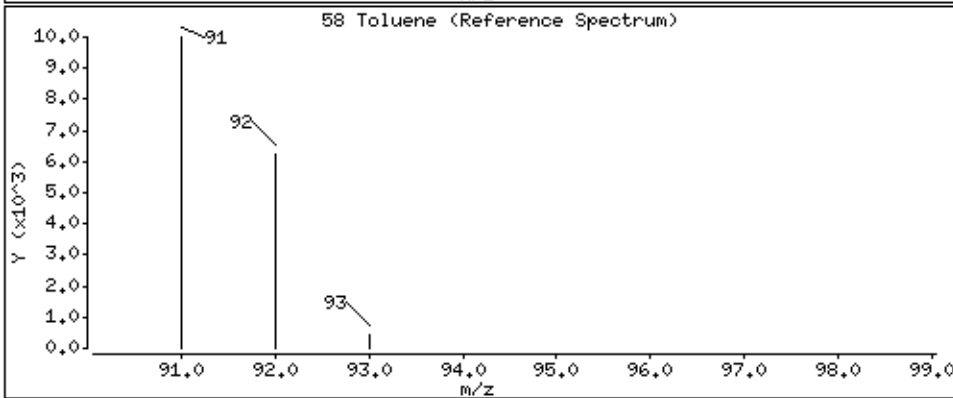
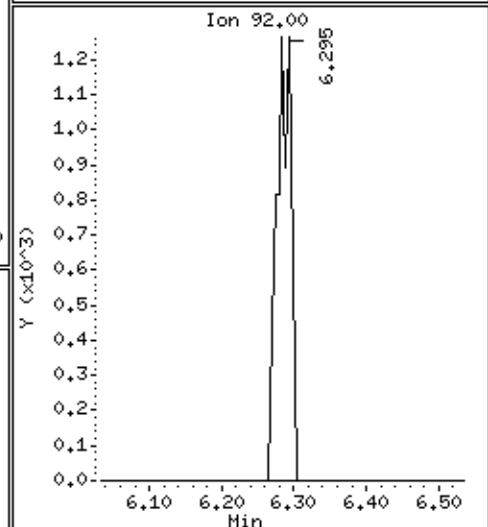
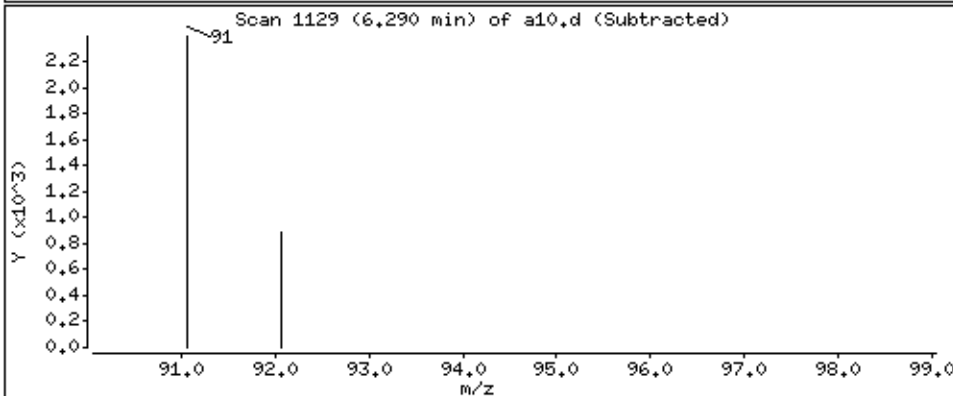
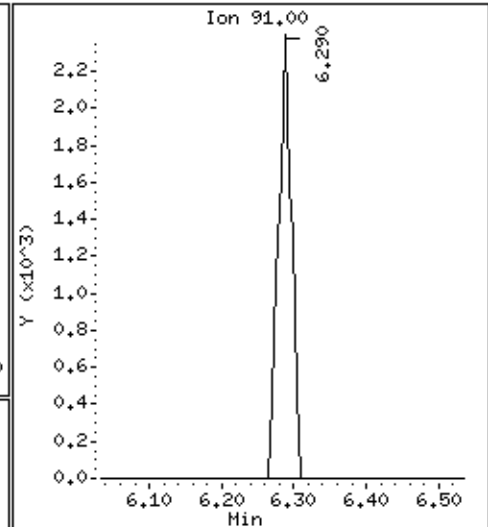
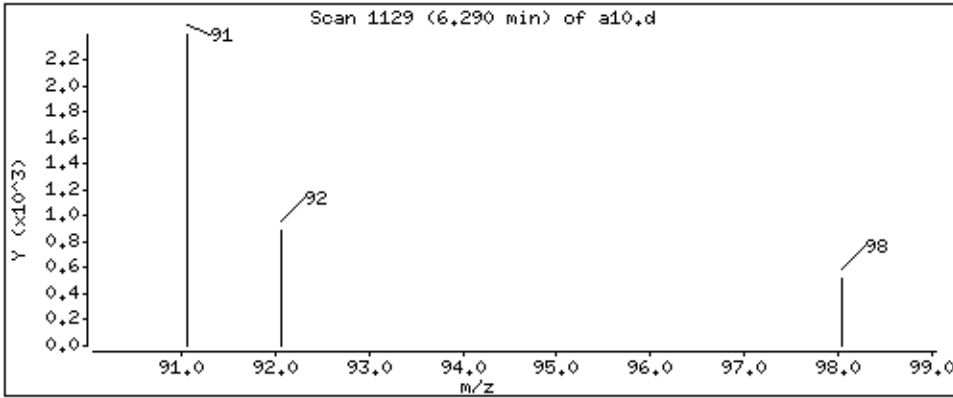
Operator: grm

Column phase: DB-624

Column diameter: 0,18

58 Toluene

Concentration: 0,531 ppb



Date : 02-JUL-2014 16:21

Client ID: THW-3 (15-16)

Instrument: 50mv1a.i

Sample Info: 5099627006

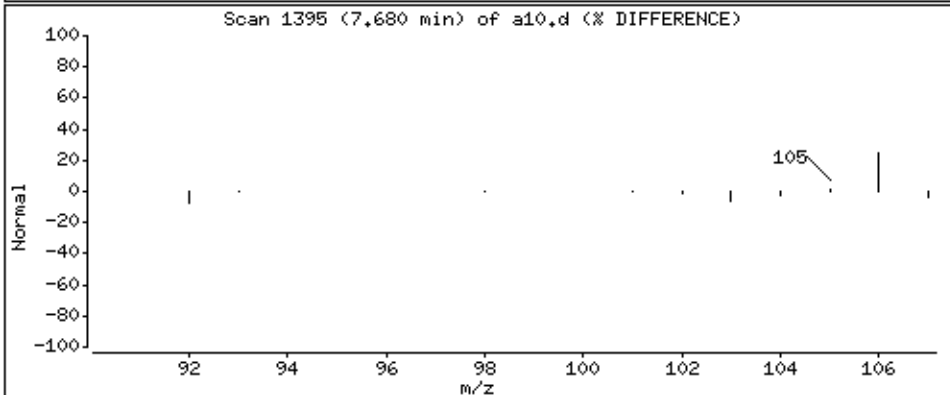
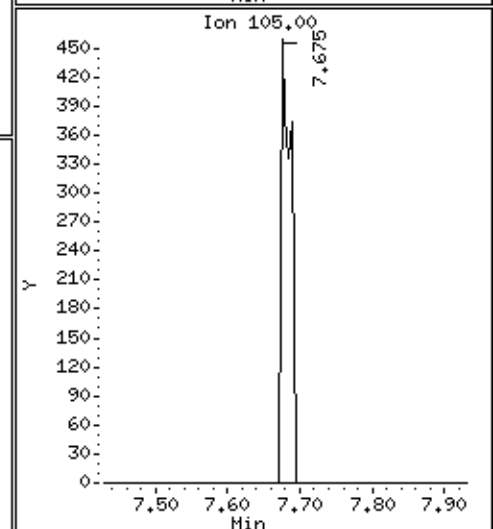
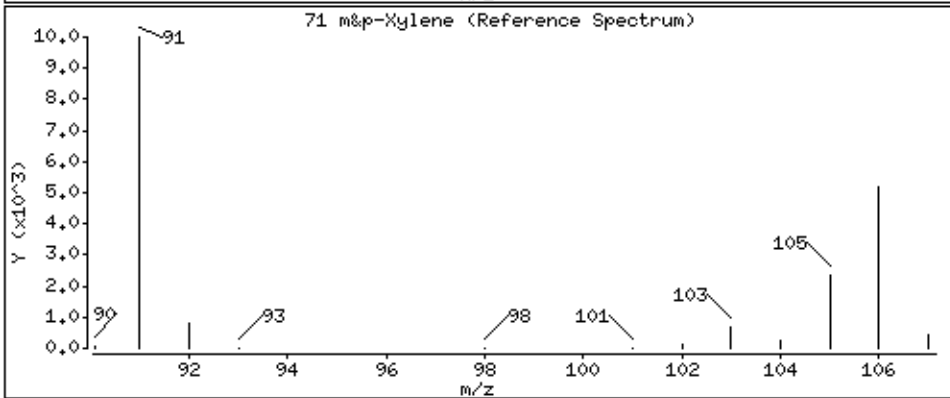
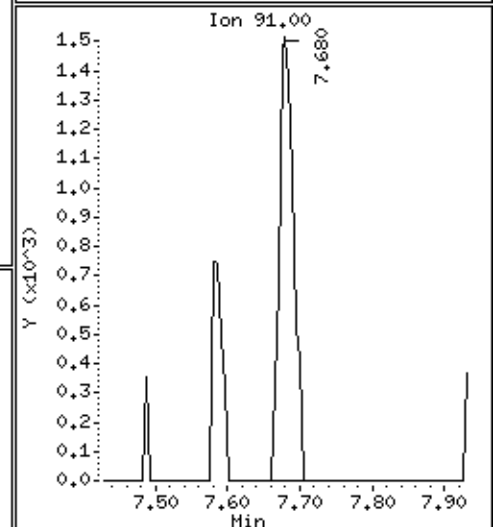
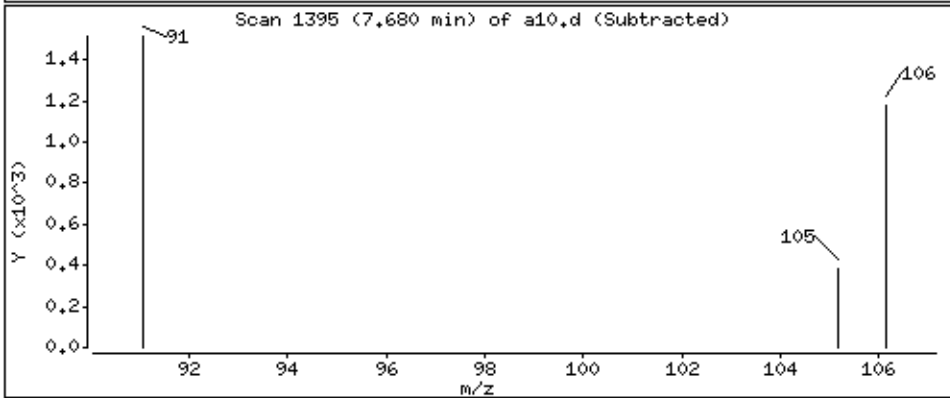
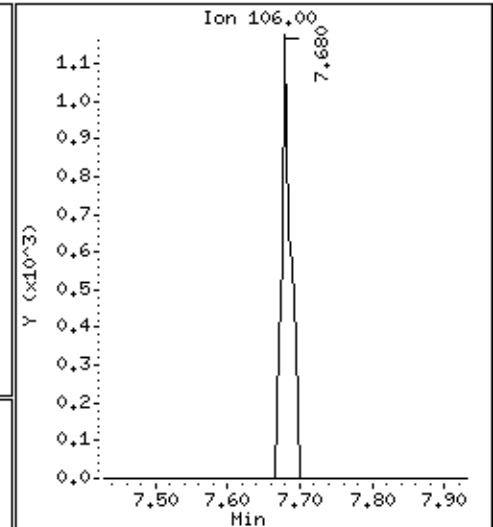
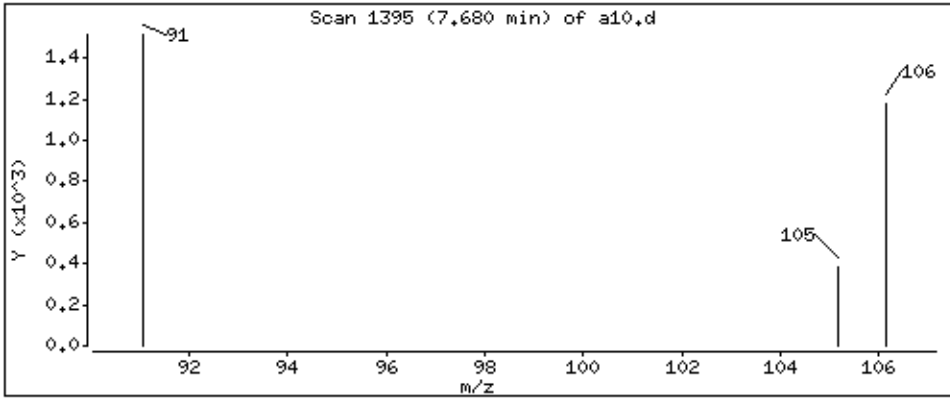
Operator: grm

Column phase: DB-624

Column diameter: 0,18

71 m&p-Xylene

Concentration: 0,438 ppb



Date : 02-JUL-2014 16:21

Client ID: THW-3 (15-16)

Instrument: 50mv1a.i

Sample Info: 5099627006

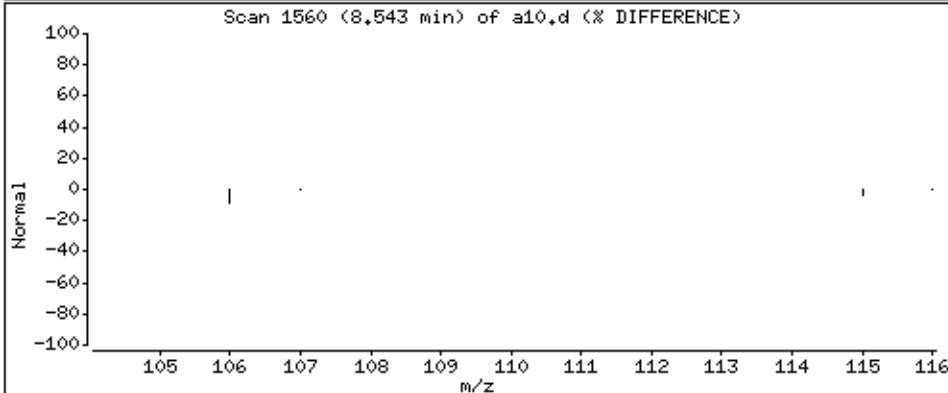
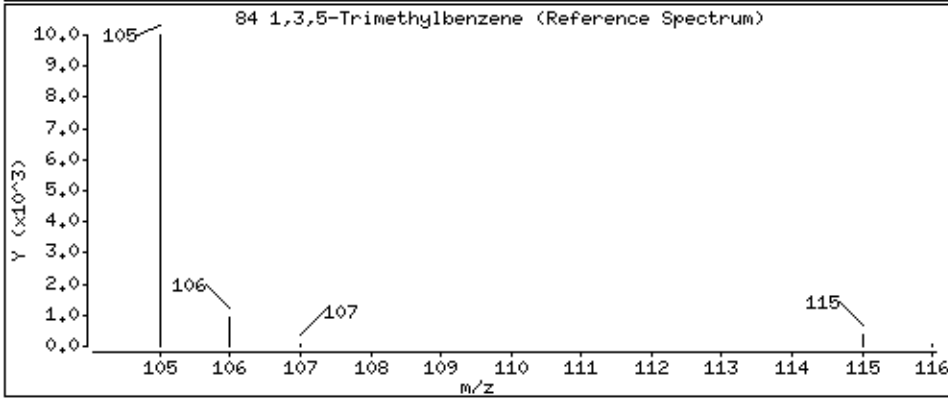
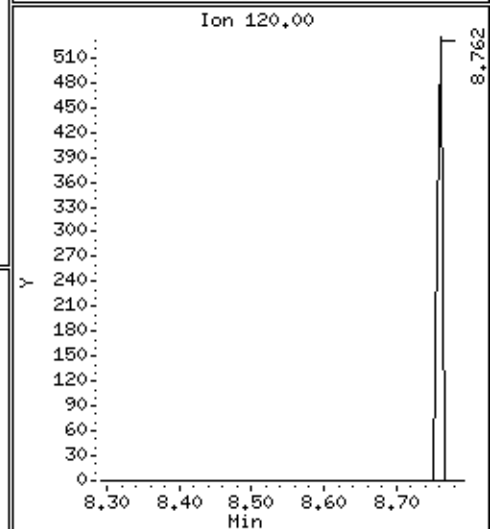
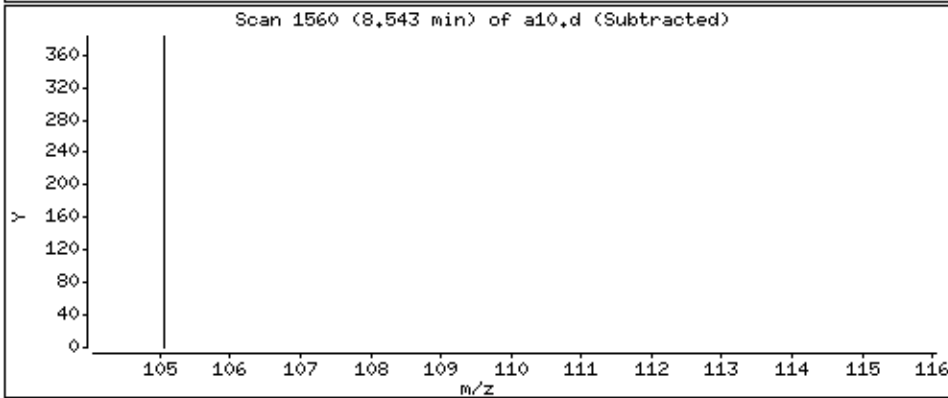
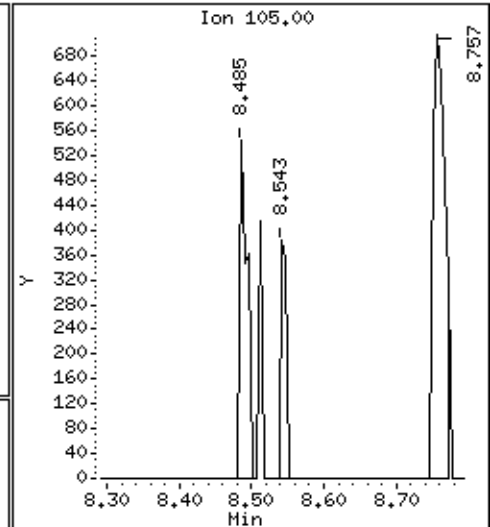
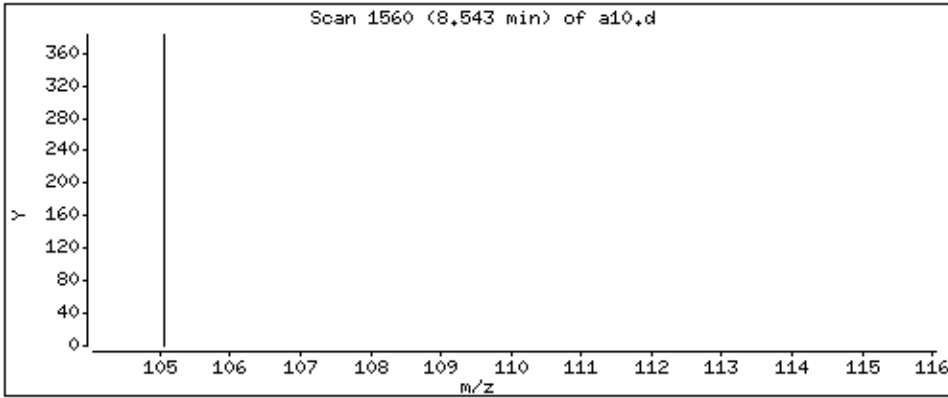
Operator: grm

Column phase: DB-624

Column diameter: 0,18

84 1,3,5-Trimethylbenzene

Concentration: 0,0372 ppb



Date : 02-JUL-2014 16:21

Client ID: THW-3 (15-16)

Instrument: 50mv1a.i

Sample Info: 5099627006

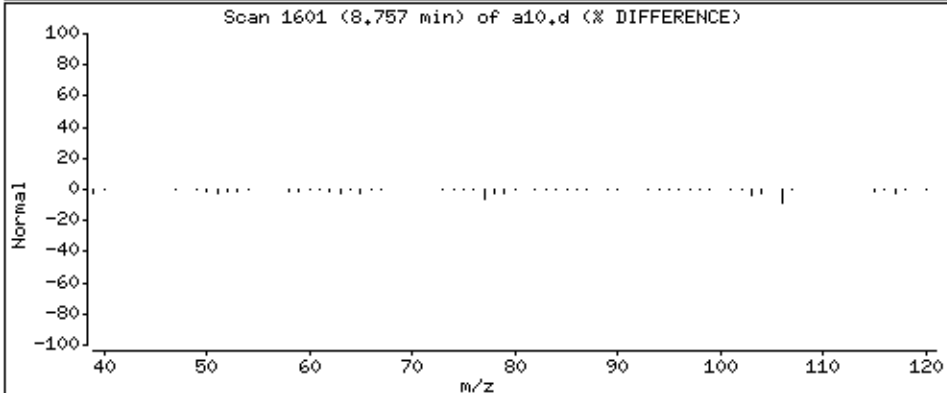
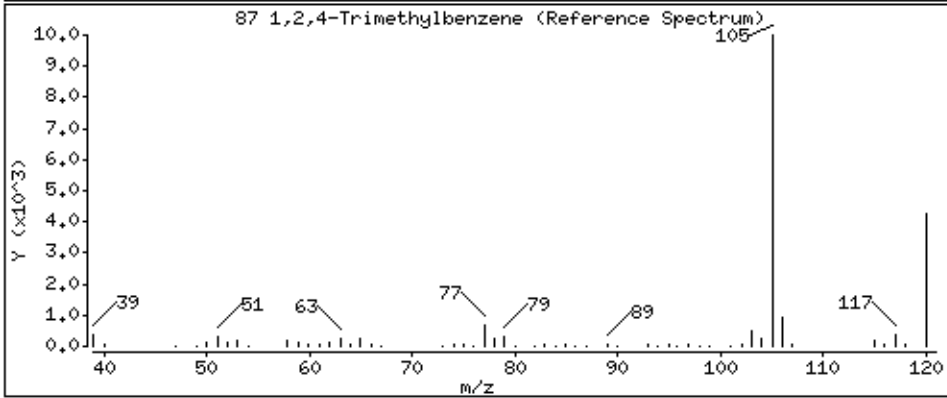
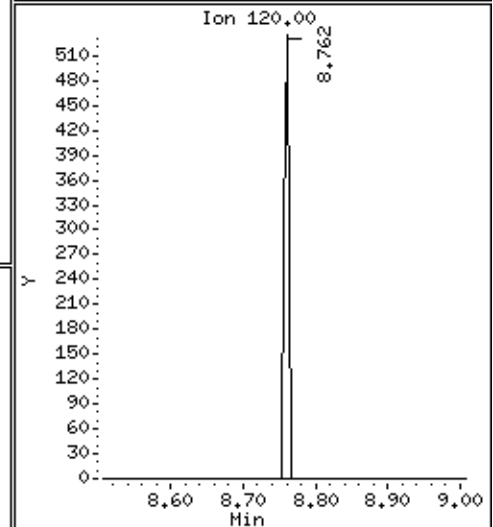
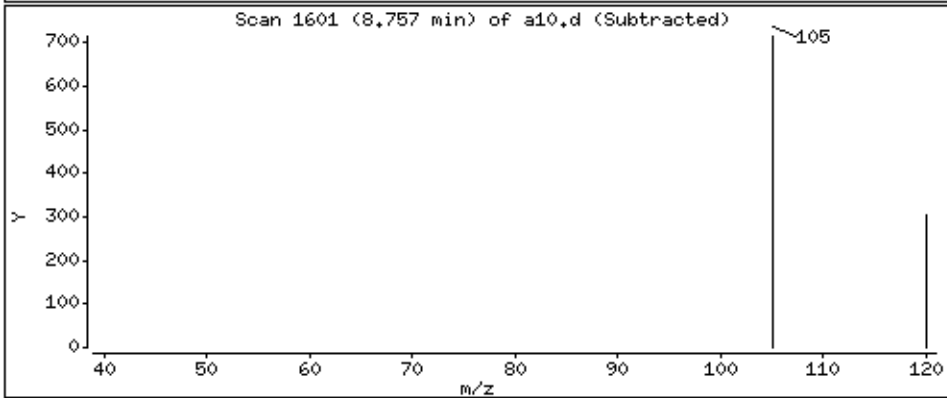
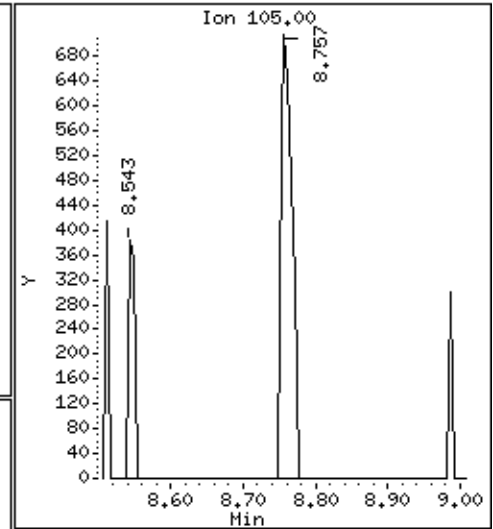
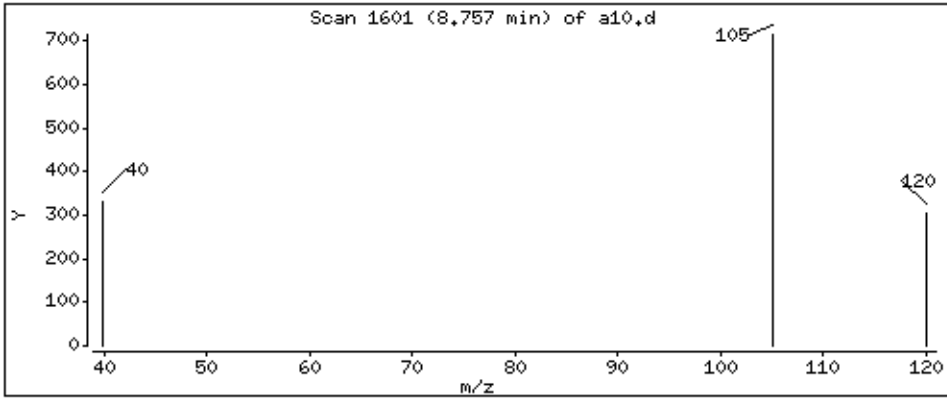
Operator: grm

Column phase: DB-624

Column diameter: 0,18

87 1,2,4-Trimethylbenzene

Concentration: 0,142 ppb



Date : 02-JUL-2014 16:21

Client ID: THW-3 (15-16)

Instrument: 50mv1a.i

Sample Info: 5099627006

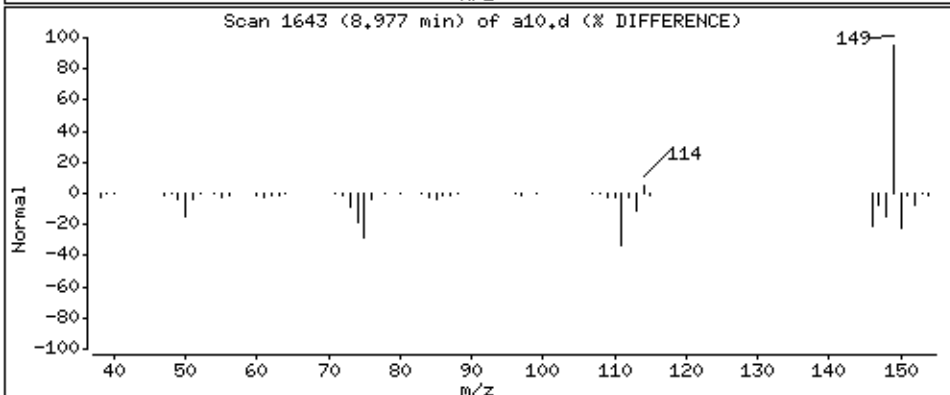
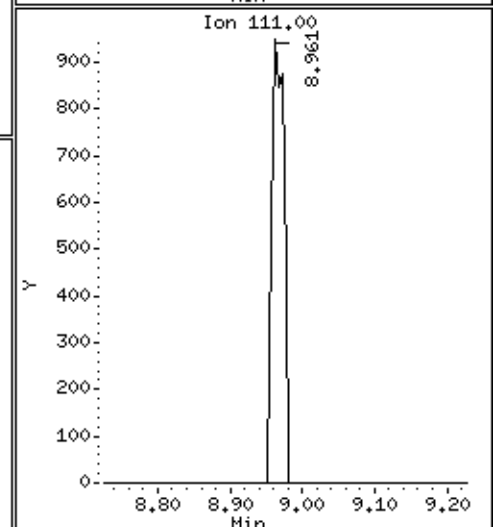
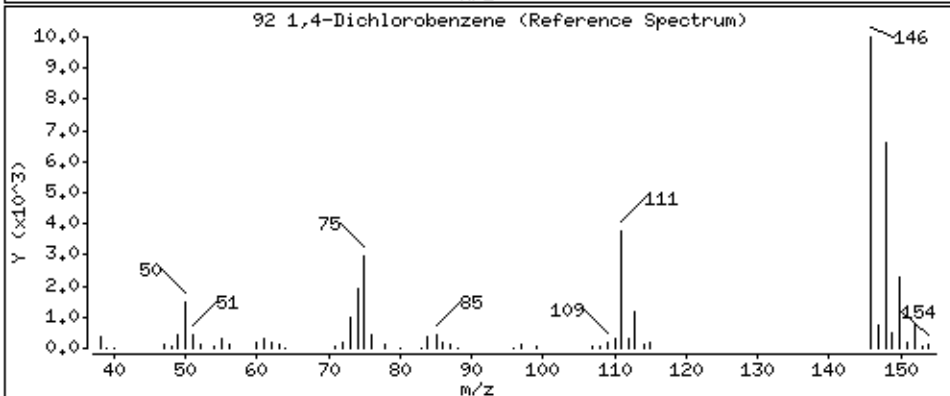
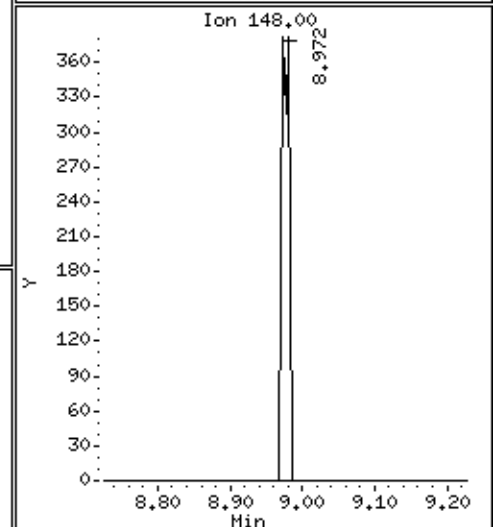
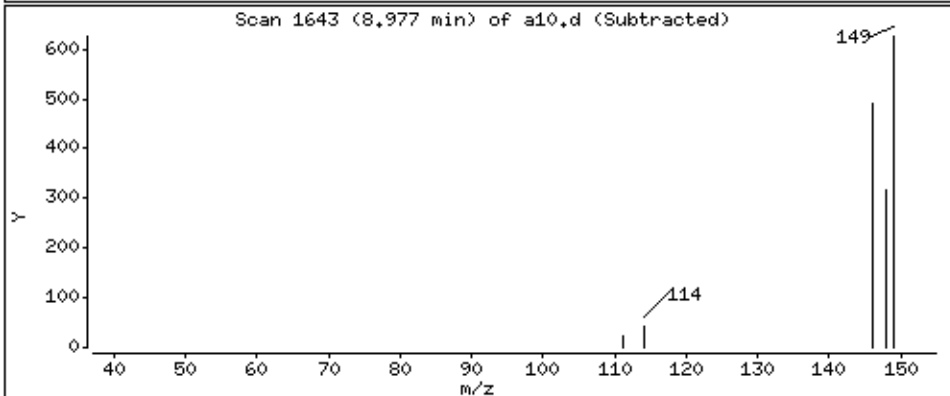
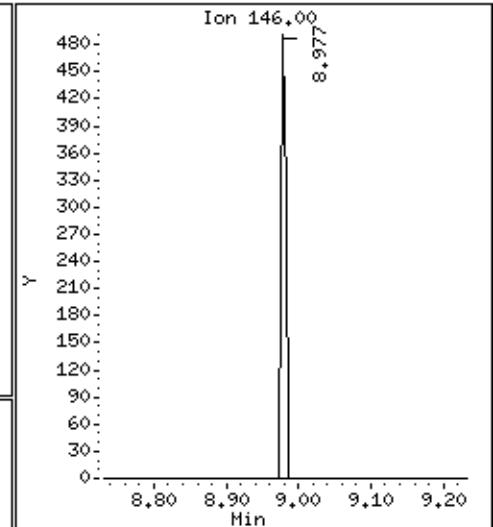
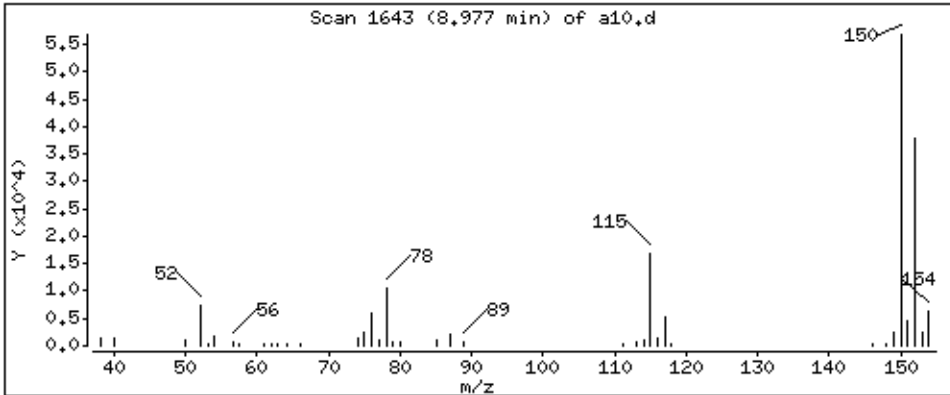
Operator: grm

Column phase: DB-624

Column diameter: 0,18

92 1,4-Dichlorobenzene

Concentration: 0,0808 ppb



Date : 02-JUL-2014 16:21

Client ID: THW-3 (15-16)

Instrument: 50mv1a.i

Sample Info: 5099627006

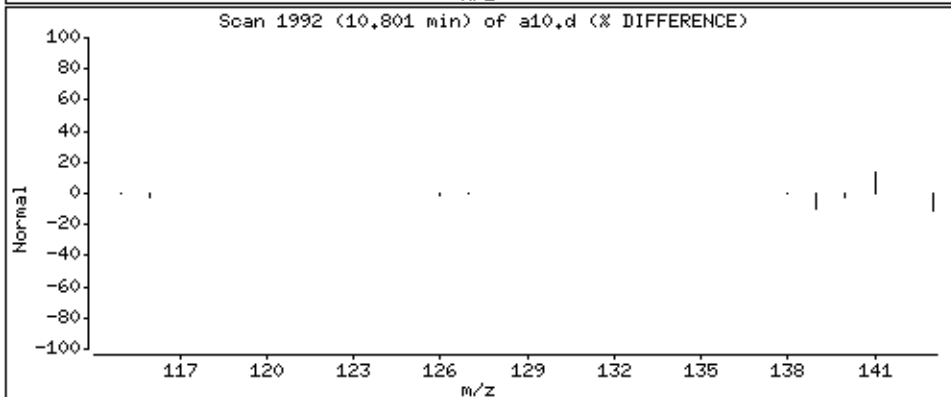
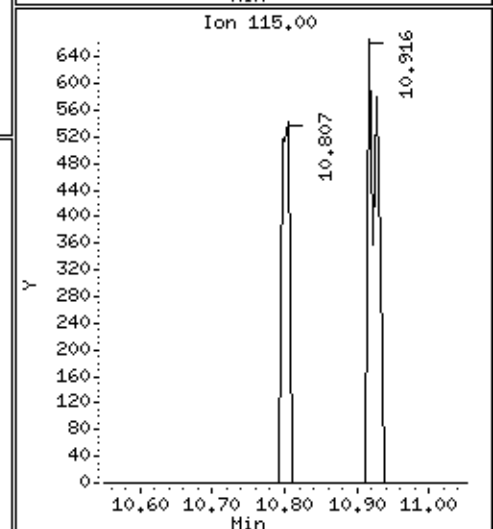
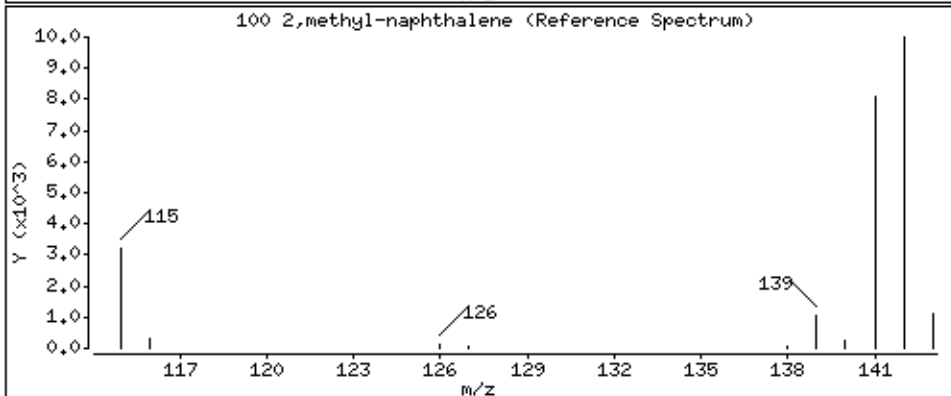
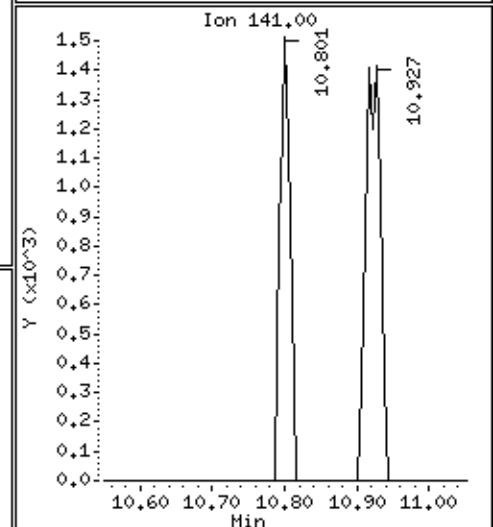
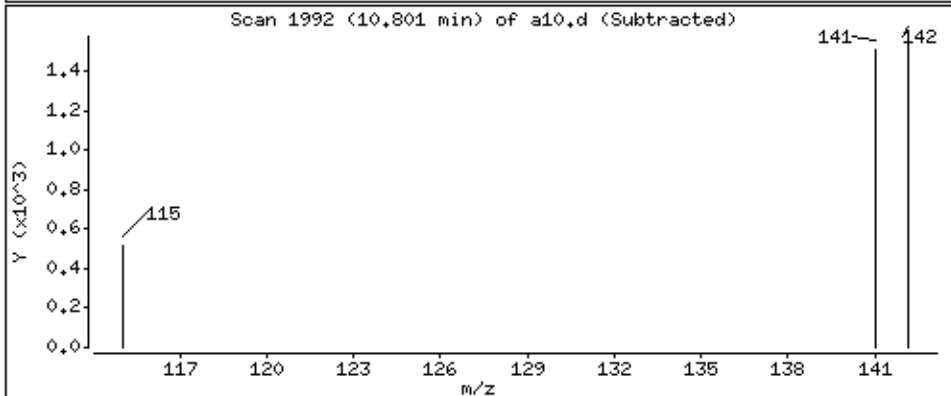
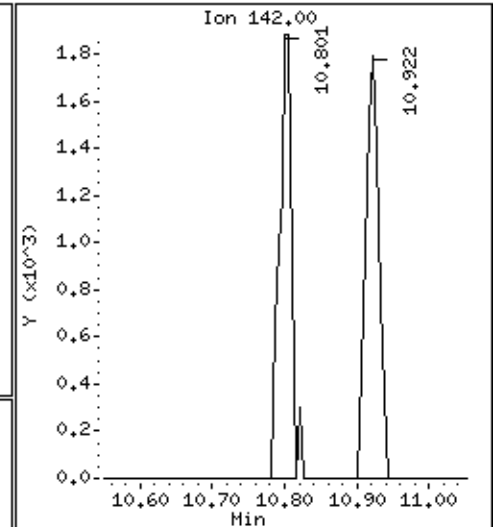
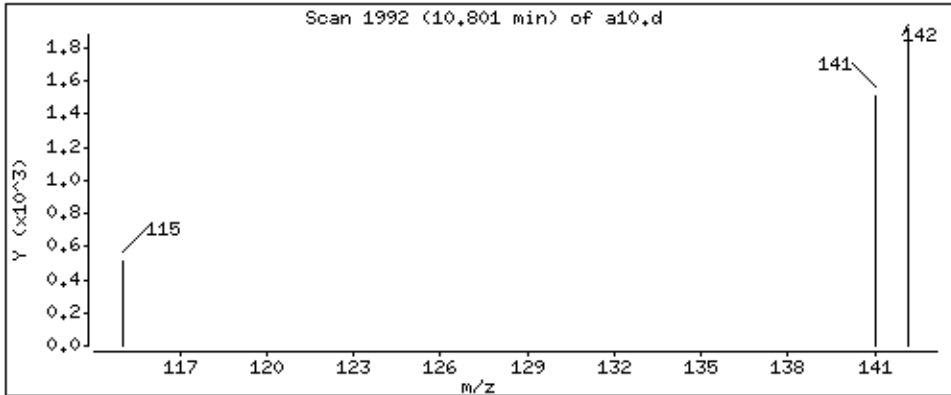
Operator: grm

Column phase: DB-624

Column diameter: 0,18

100 2,methyl-naphthalene

Concentration: 1,23 ppb



Data File: \\192.168.50.6\chem\50mv1a.i\a070214.b/a10.d
Injection Date: 02-JUL-2014 16:21
Instrument: 50mv1a.i
Lab Sample ID: 5099627006
NO SIGNAL MANUAL INTEGRATIONS DONE FOR THIS DATA FILE

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

SAMPLE NO.

TMW-9 (16-18)

Lab Name: Pace Analytical - Indiana
Date Received: 06/20/2014 10:42
Date Extracted: 07/02/2014 16:55
Date Analyzed: 07/02/2014 16:55
Initial wt/vol: 6.142 g Final wt/vol: 5 mL Dilution: 1

Contract: Sibley - Accucast
Matrix: Solid SDG No.: 5099627
Lab Sample ID: 5099627007
Lab File ID: A070214.BVA11.D
Instrument: 50MV1A Percent Moisture: 14.6%

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

07/17/2014 9:25

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

SAMPLE NO.

TMW-9 (16-18)

Lab Name: Pace Analytical - Indiana
Date Received: 06/20/2014 10:42
Date Extracted: 07/02/2014 16:55
Date Analyzed: 07/02/2014 16:55
Initial wt/vol: 6.142 g Final wt/vol: 5 mL Dilution: 1

Contract: Sibley - Accucast
Matrix: Solid SDG No.: 5099627
Lab Sample ID: 5099627007
Lab File ID: A070214.BVA11.D
Instrument: 50MV1A Percent Moisture: 14.6%

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

07/17/2014 9:25

Pace Analytical Services, Inc.

Data file : \\192.168.50.6\chem\50mv1a.i\070214.b\all.d
 Lab Smp Id: 5099627007 Client Smp ID: TMW-9 (16-18)
 Inj Date : 02-JUL-2014 16:55
 Operator : grm Inst ID: 50mv1a.i
 Smp Info : 5099627007
 Misc Info : 66420
 Comment :
 Method : \\192.168.50.6\chem\50mv1a.i\070214.b\08260_a_c.m
 Meth Date : 03-Jul-2014 13:53 50mv1a.i Quant Type: ISTD
 Cal Date : 19-JUN-2014 17:44 Cal File: a08cal.d
 Als bottle: 23
 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	14.608	% 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 (ppb)	FINAL (ppb)	
\$ 38 Dibromofluoromethane (S)	113		3.584	3.585	(0.813)	59471	45.6318	53.4	
* 46 Fluorobenzene (IS)	96		4.410	4.406	(1.000)	270806	50.0000		
\$ 57 Toluene-d8	98		6.214	6.210	(0.830)	262587	49.7482	58.2	
58 Toluene	91		6.282	6.283	(0.839)	1036	0.15530	0.182	
* 67 Chlorobenzene-D5 (IS)	117		7.484	7.485	(1.000)	200181	50.0000		
\$ 76 4-Bromofluorobenzene	95		8.290	8.290	(1.108)	97687	45.6285	53.4	
* 91 1,4-Dichlorobenzene-d4 (IS)	152		8.964	8.965	(1.000)	110900	50.0000		

Review Codes Legend

:

Date: 02-JUL-2014 16:55

Client ID: TMM-9 (16-18)

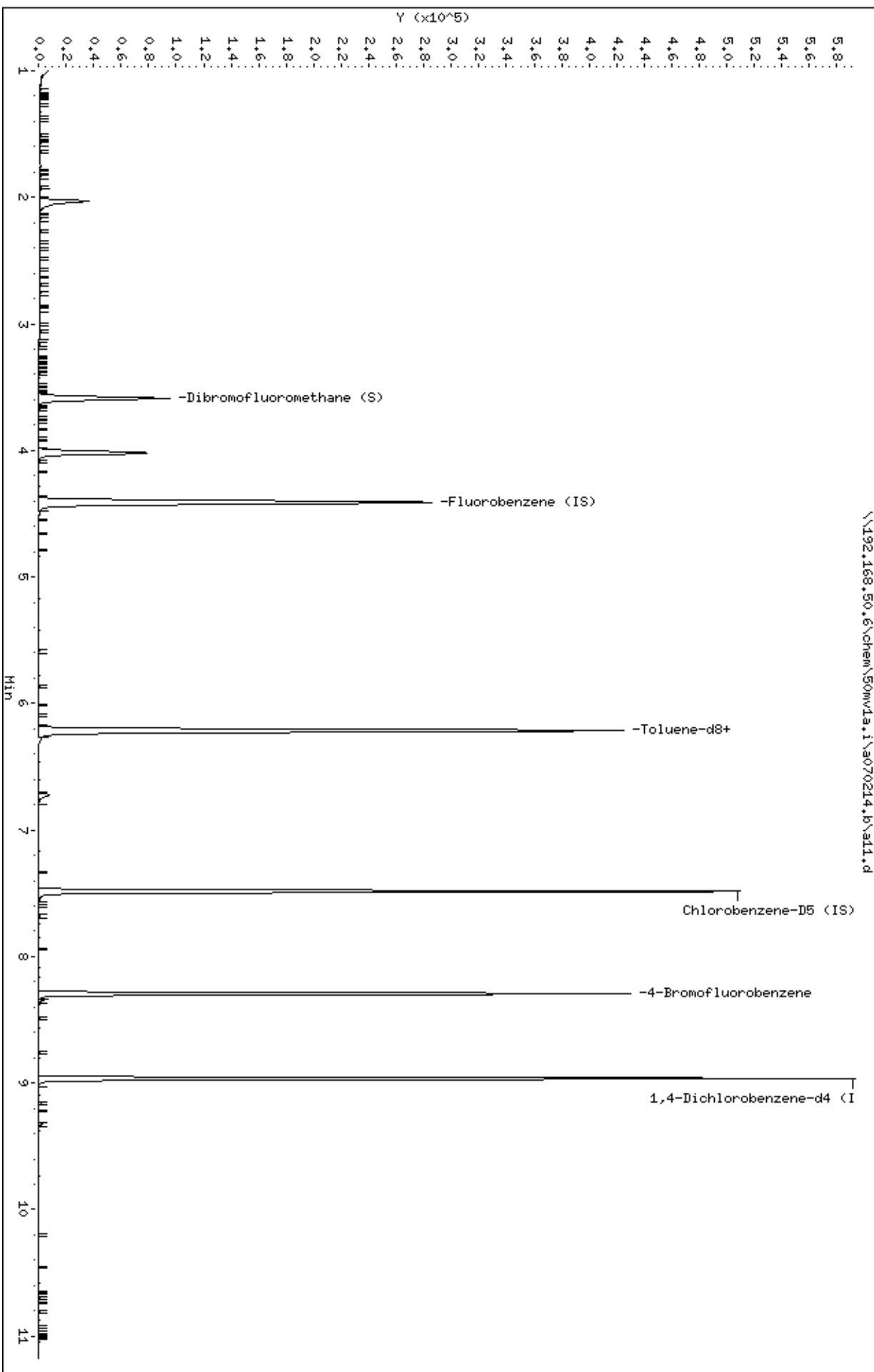
Sample Info: 5099627007

Instrument: 50w1a.1

Operator: grm

Column diameter: 0.18

Column phase: DB-624



Date : 02-JUL-2014 16:55

Client ID: THW-9 (16-18)

Instrument: 50mv1a.i

Sample Info: 5099627007

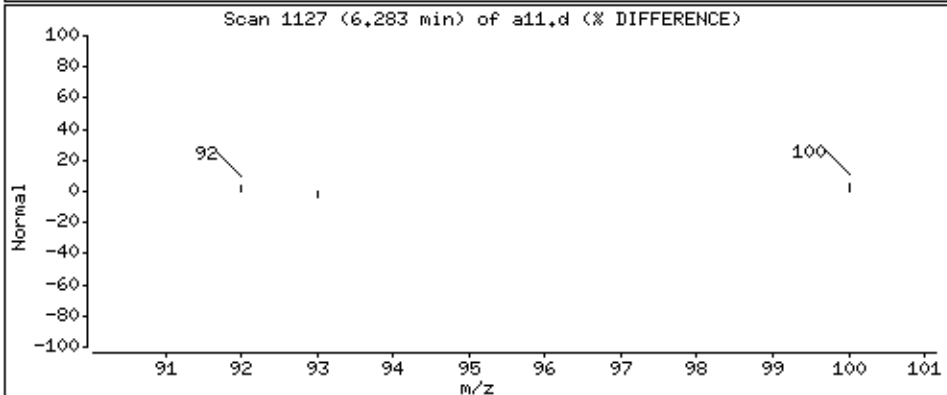
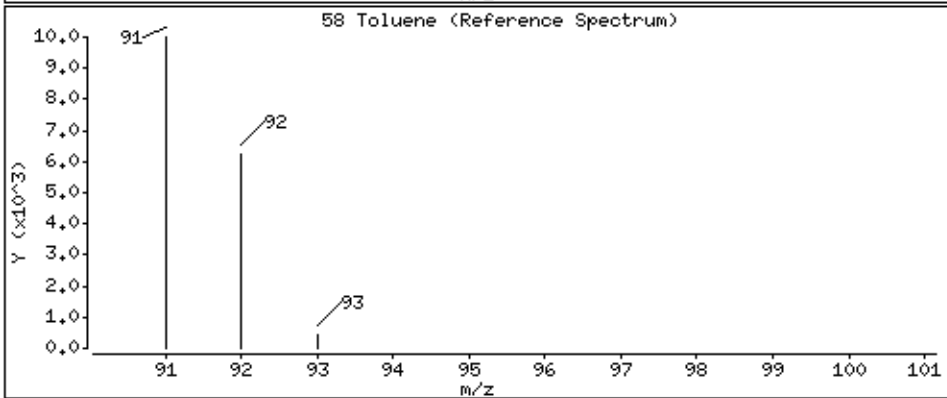
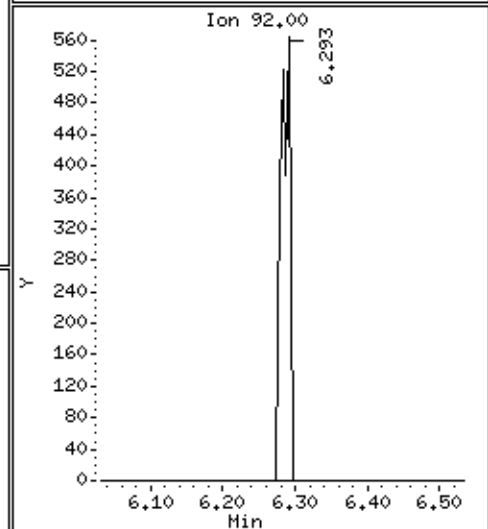
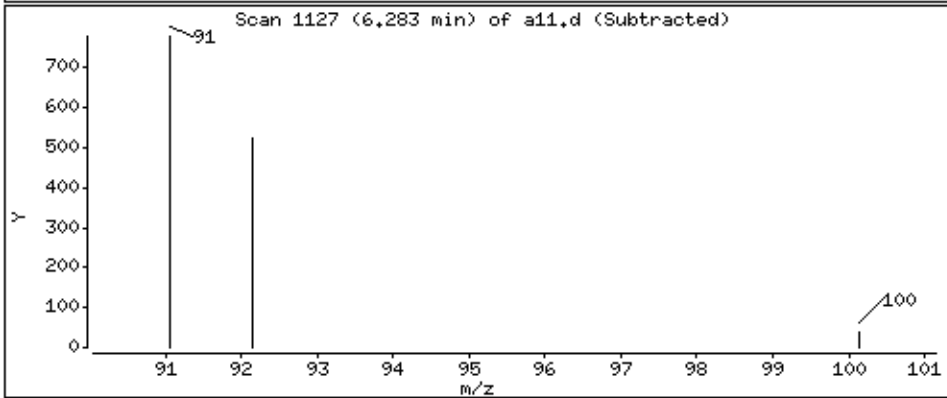
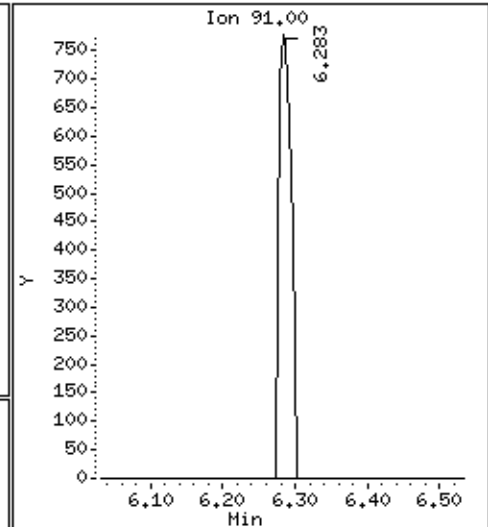
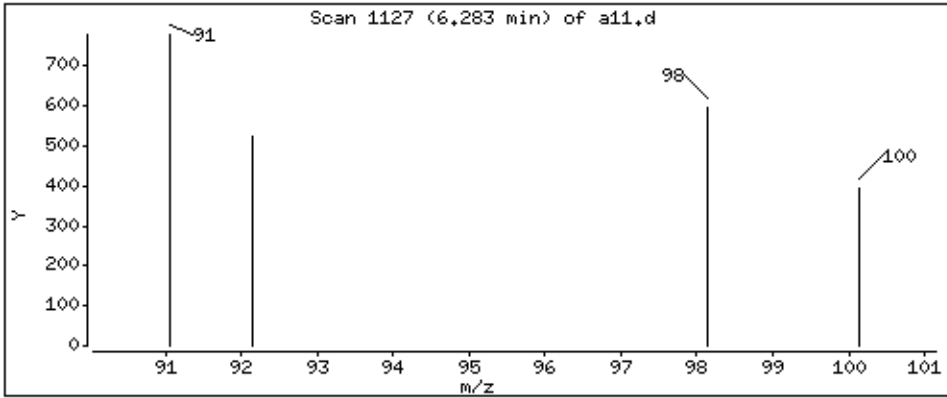
Operator: grm

Column phase: DB-624

Column diameter: 0,18

58 Toluene

Concentration: 0,182 ppb



Data File: \\192.168.50.6\chem\50mv1a.i\a070214.b/a11.d
Injection Date: 02-JUL-2014 16:55
Instrument: 50mv1a.i
Lab Sample ID: 5099627007
NO SIGNAL MANUAL INTEGRATIONS DONE FOR THIS DATA FILE

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

SAMPLE NO.

P-7 (13-15)

Lab Name: Pace Analytical - Indiana
Date Received: 06/20/2014 10:42
Date Extracted: 07/02/2014 17:29
Date Analyzed: 07/02/2014 17:29
Initial wt/vol: 5.432 g Final wt/vol: 5 mL Dilution: 1

Contract: Sibley - Accucast
Matrix: Solid SDG No.: 5099627
Lab Sample ID: 5099627008
Lab File ID: A070214.BVA12.D
Instrument: 50MV1A Percent Moisture: 15.7%

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

07/17/2014 9:25

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

SAMPLE NO.

P-7 (13-15)

Lab Name: Pace Analytical - Indiana
Date Received: 06/20/2014 10:42
Date Extracted: 07/02/2014 17:29
Date Analyzed: 07/02/2014 17:29
Initial wt/vol: 5.432 g Final wt/vol: 5 mL Dilution: 1

Contract: Sibley - Accucast
Matrix: Solid SDG No.: 5099627
Lab Sample ID: 5099627008
Lab File ID: A070214.BVA12.D
Instrument: 50MV1A Percent Moisture: 15.7%

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\50mv1a.i\a070214.b\a12.d
 Lab Smp Id: 5099627008 Client Smp ID: P-7 (13-15)
 Inj Date : 02-JUL-2014 17:29
 Operator : grm Inst ID: 50mv1a.i
 Smp Info : 5099627008
 Misc Info : 66420
 Comment :
 Method : \\192.168.50.6\chem\50mv1a.i\a070214.b\a8260_a_c.m
 Meth Date : 03-Jul-2014 13:53 50mv1a.i Quant Type: ISTD
 Cal Date : 19-JUN-2014 17:44 Cal File: a08cal.d
 Als bottle: 25
 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	15.729	% 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 (ppb)	FINAL (ppb)	
\$ 38 Dibromofluoromethane (S)	113		3.587	3.585	(0.814)	60550	46.8061	55.5	
* 46 Fluorobenzene (IS)	96		4.408	4.406	(1.000)	268802	50.0000		
\$ 57 Toluene-d8	98		6.211	6.210	(0.830)	261745	49.7754	59.1	
* 67 Chlorobenzene-D5 (IS)	117		7.487	7.485	(1.000)	199430	50.0000		
\$ 76 4-Bromofluorobenzene	95		8.292	8.290	(1.108)	100109	46.9359	55.7	
* 91 1,4-Dichlorobenzene-d4 (IS)	152		8.967	8.965	(1.000)	110978	50.0000		

Review Codes Legend

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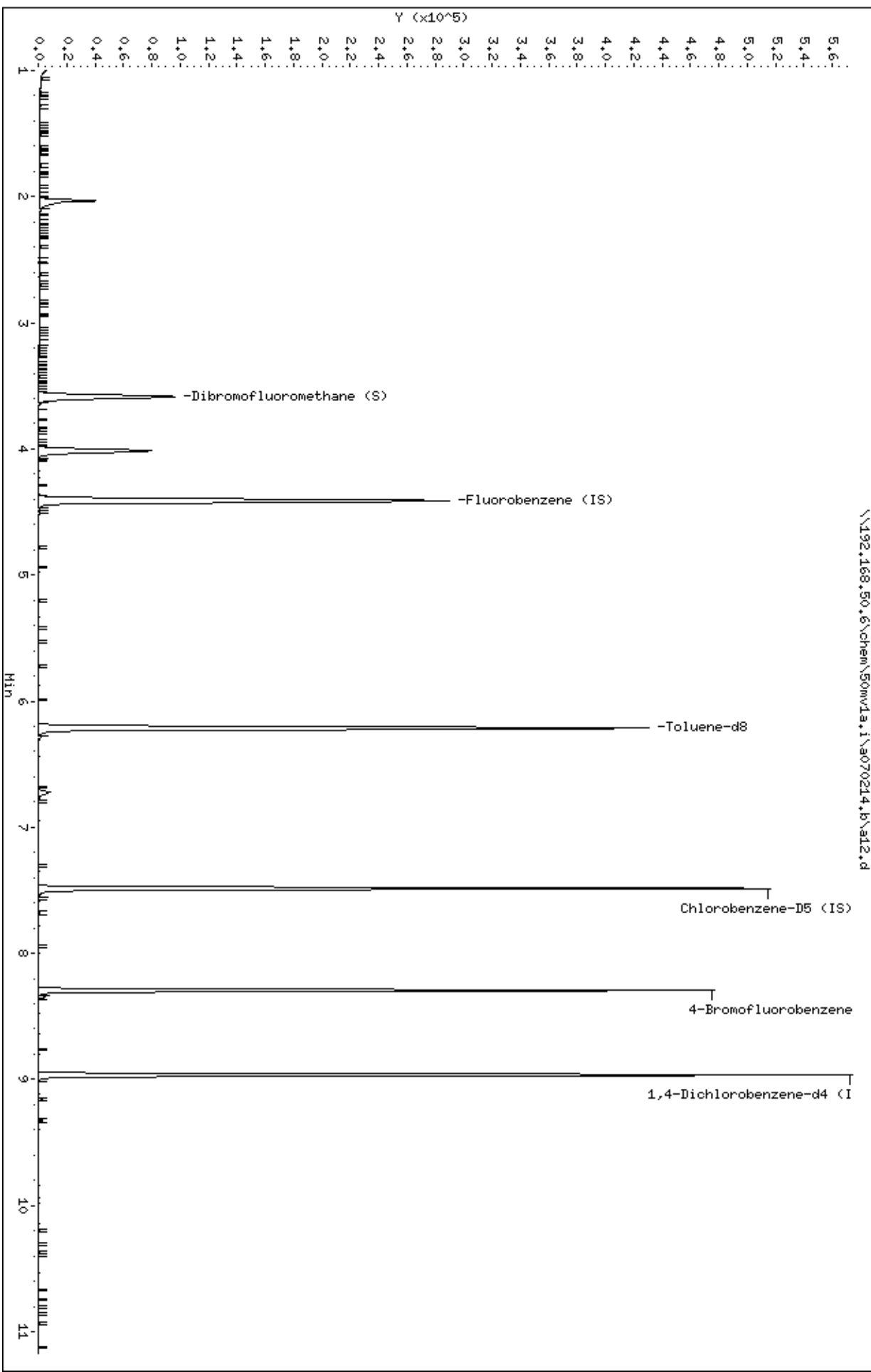
Column phase: DB-624

Instrument: 50m\1a.1

Operator: grm

Column diameter: 0.18

\\192.168.50.6\chem\50m\1a.1\9070214.b\912.d



Data File: \\192.168.50.6\chem\50mv1a.i\a070214.b/a12.d
Injection Date: 02-JUL-2014 17:29
Instrument: 50mv1a.i
Lab Sample ID: 5099627008
NO SIGNAL MANUAL INTEGRATIONS DONE FOR THIS DATA FILE

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

SAMPLE NO.

P-3 (16-18)

Lab Name: Pace Analytical - Indiana
Date Received: 06/20/2014 10:42
Date Extracted: 07/02/2014 18:03
Date Analyzed: 07/02/2014 18:03
Initial wt/vol: 6.372 g Final wt/vol: 5 mL Dilution: 1

Contract: Sibley - Accucast
Matrix: Solid SDG No.: 5099627
Lab Sample ID: 5099627009
Lab File ID: A070214.BVA13.D
Instrument: 50MV1A Percent Moisture: 16.6%

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-3 (16-18)

Lab Name: Pace Analytical - Indiana
 Date Received: 06/20/2014 10:42
 Date Extracted: 07/02/2014 18:03
 Date Analyzed: 07/02/2014 18:03
 Initial wt/vol: 6.372 g Final wt/vol: 5 mL Dilution: 1

Contract: Sibley - Accucast
 Matrix: Solid SDG No.: 5099627
 Lab Sample ID: 5099627009
 Lab File ID: A070214.BVA13.D
 Instrument: 50MV1A Percent Moisture: 16.6%

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\50mv1a.i\a070214.b\a13.d
 Lab Smp Id: 5099627009 Client Smp ID: P-3 (16-18)
 Inj Date : 02-JUL-2014 18:03
 Operator : grm Inst ID: 50mv1a.i
 Smp Info : 5099627009
 Misc Info : 66420
 Comment :
 Method : \\192.168.50.6\chem\50mv1a.i\a070214.b\a8260_a_c.m
 Meth Date : 03-Jul-2014 13:53 50mv1a.i Quant Type: ISTD
 Cal Date : 19-JUN-2014 17:44 Cal File: a08cal.d
 Als bottle: 27
 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	16.559	% 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 (ppb)	FINAL (ppb)	
18 Methylene Chloride	84	2.029	2.027	(0.460)	32024	7.93725	9.51	
\$ 38 Dibromofluoromethane (S)	113	3.587	3.585	(0.814)	59447	48.9384	58.6	
* 46 Fluorobenzene (IS)	96	4.408	4.406	(1.000)	252407	50.0000		
\$ 57 Toluene-d8	98	6.211	6.210	(0.830)	245692	49.9499	59.9	
58 Toluene	91	6.284	6.283	(0.839)	4300	0.69168	0.829	
* 67 Chlorobenzene-D5 (IS)	117	7.487	7.485	(1.000)	186545	50.0000		
71 m&p-Xylene	106	7.680	7.679	(1.026)	1166	0.43337	0.519	
\$ 76 4-Bromofluorobenzene	95	8.292	8.290	(1.108)	93640	46.9354	56.2	
* 91 1,4-Dichlorobenzene-d4 (IS)	152	8.966	8.965	(1.000)	105243	50.0000		

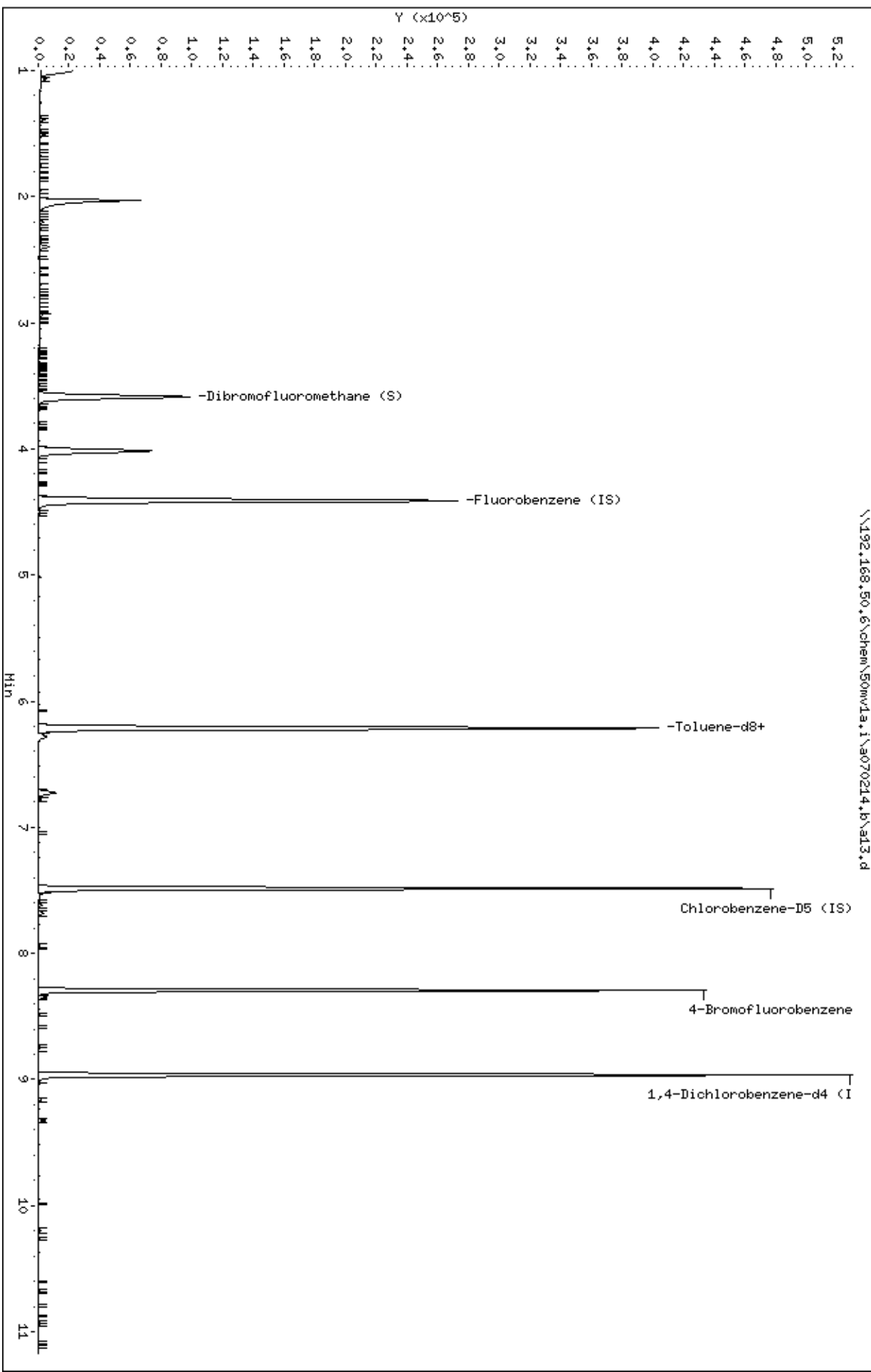
Review Codes Legend

:

Column phase: DB-624

Operator: grm
Column diameter: 0.18

\\192.168.50.6\chem\50mw1a.1\9070214.b\913.d



Date : 02-JUL-2014 18:03

Client ID: P-3 (16-18)

Instrument: 50mv1a.i

Sample Info: 5099627009

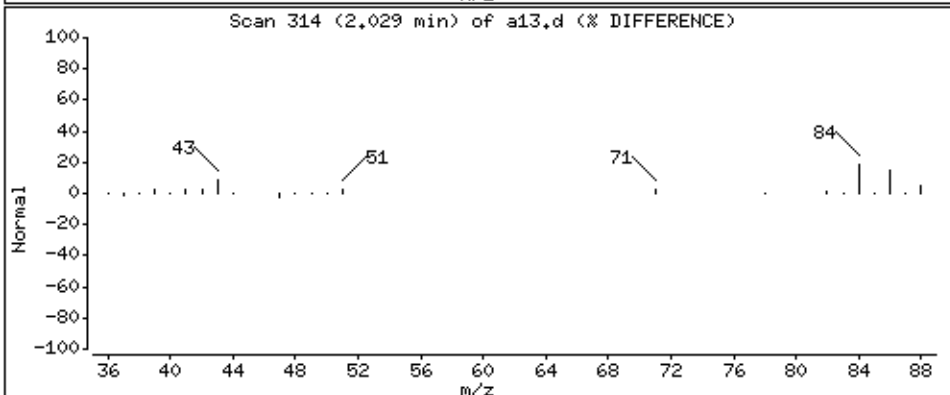
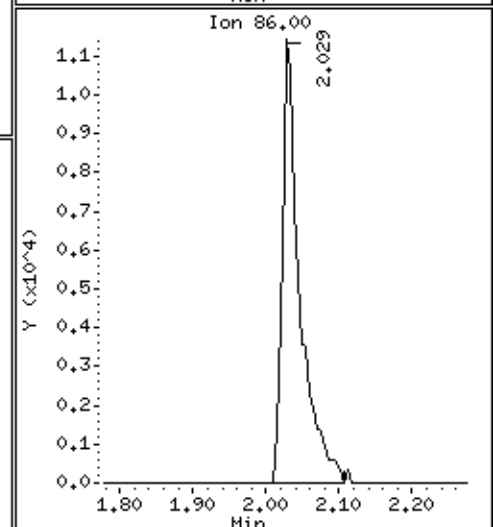
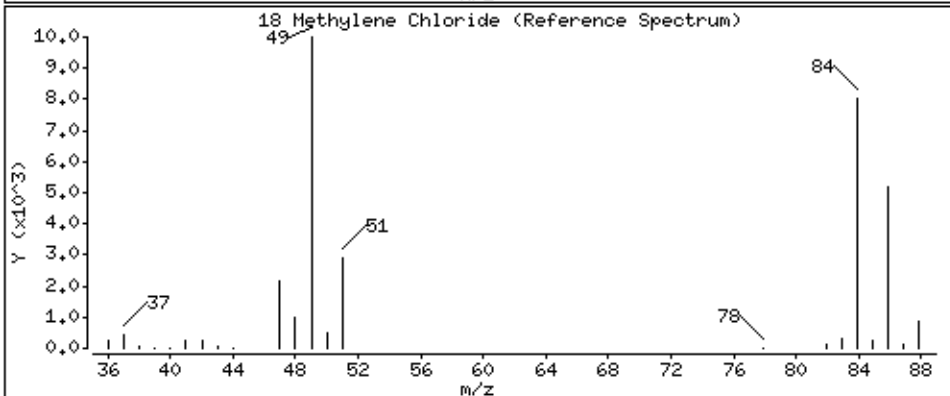
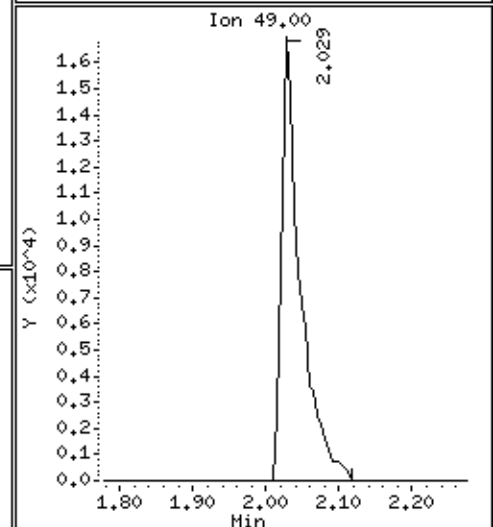
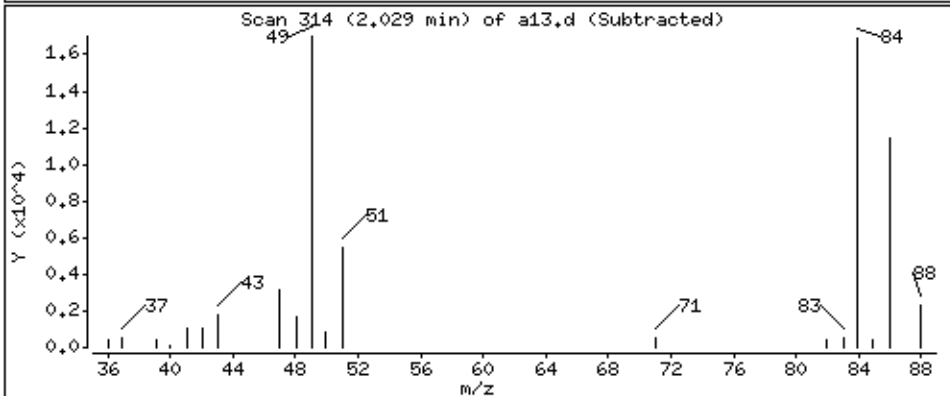
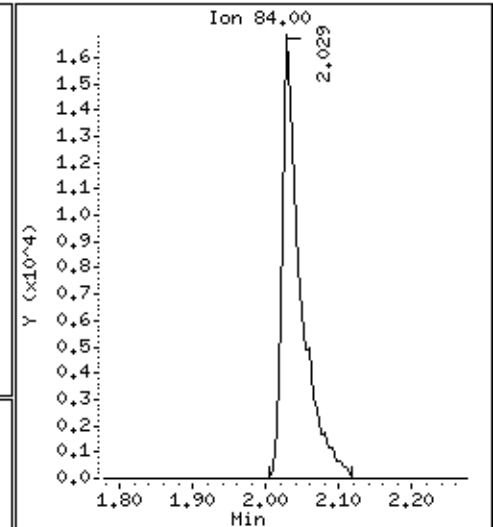
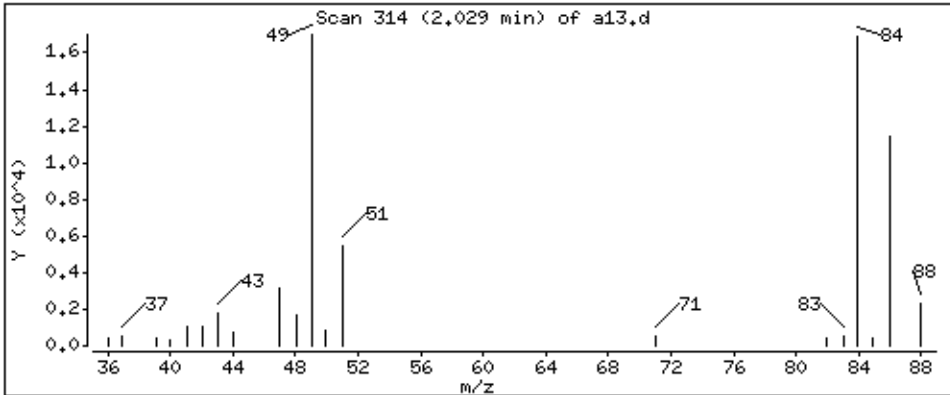
Operator: grm

Column phase: DB-624

Column diameter: 0,18

18 Methylene Chloride

Concentration: 9,51 ppb



Date : 02-JUL-2014 18:03

Client ID: P-3 (16-18)

Instrument: 50mv1a.i

Sample Info: 5099627009

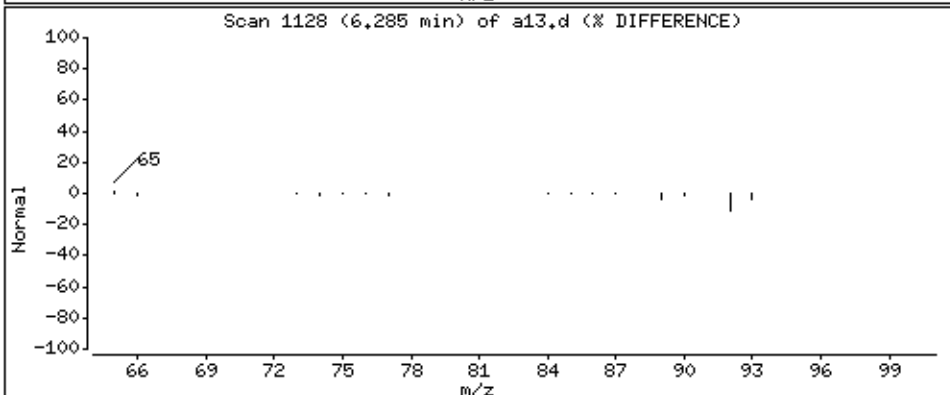
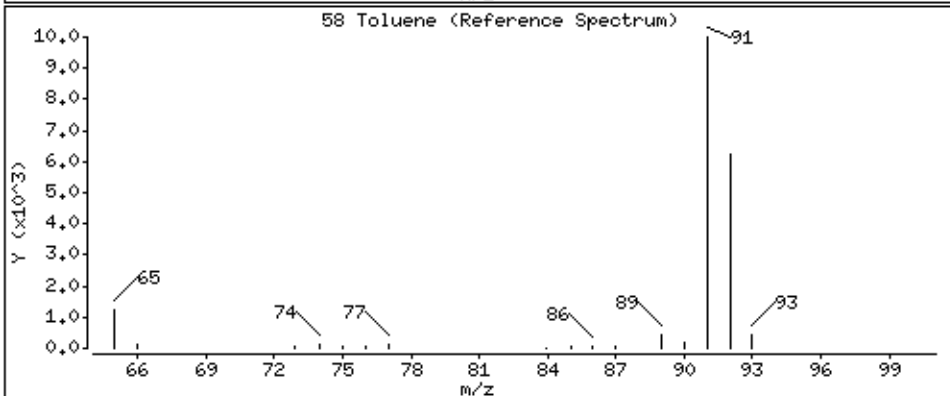
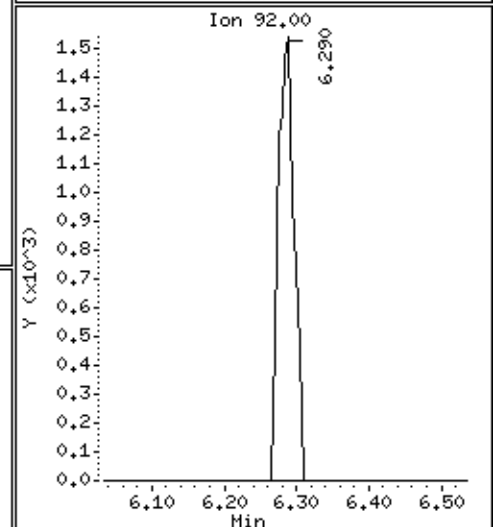
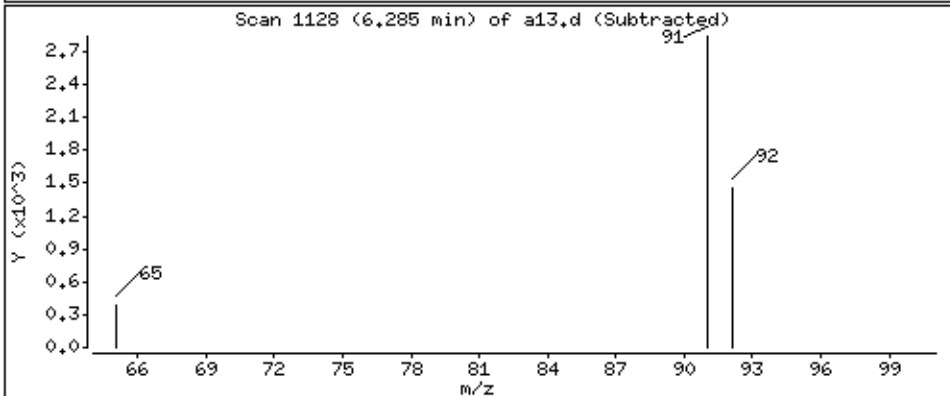
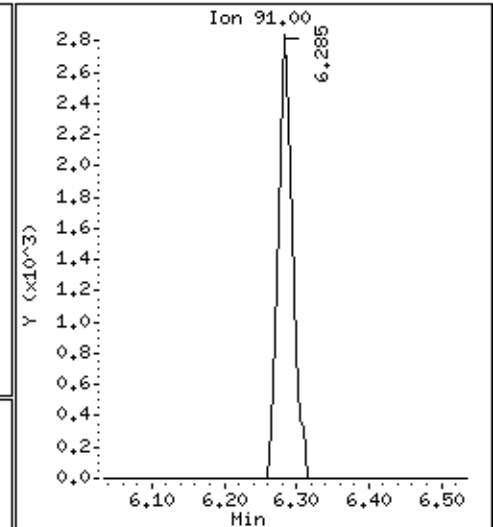
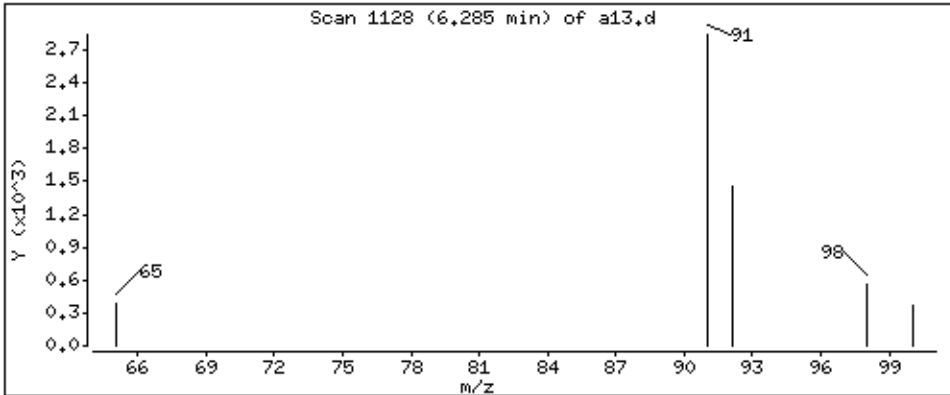
Operator: grm

Column phase: DB-624

Column diameter: 0,18

58 Toluene

Concentration: 0,829 ppb



Date : 02-JUL-2014 18:03

Client ID: P-3 (16-18)

Instrument: 50mv1a.i

Sample Info: 5099627009

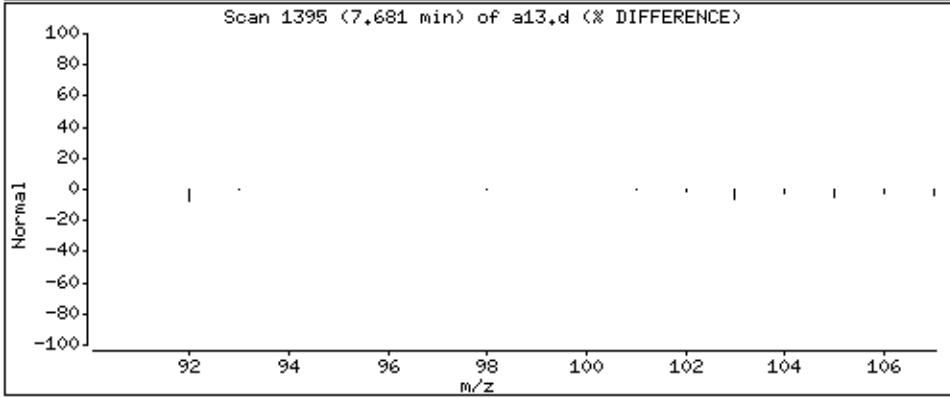
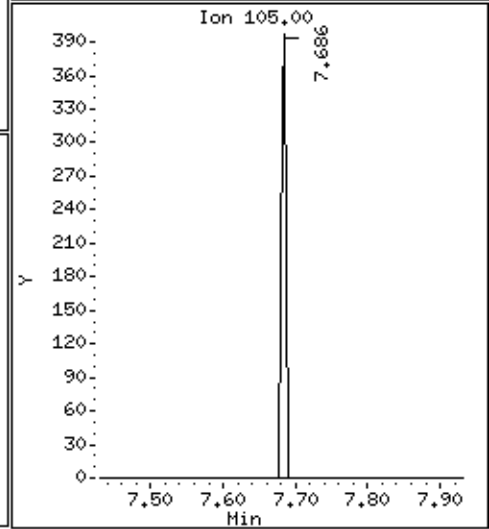
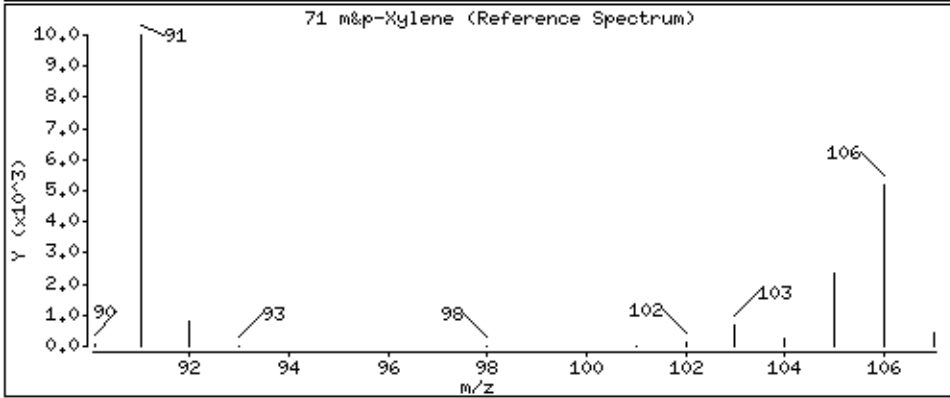
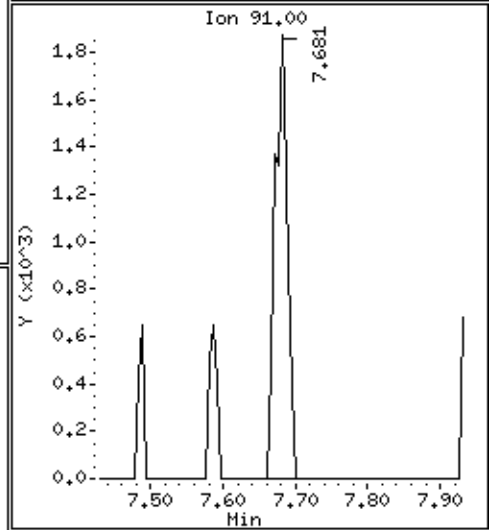
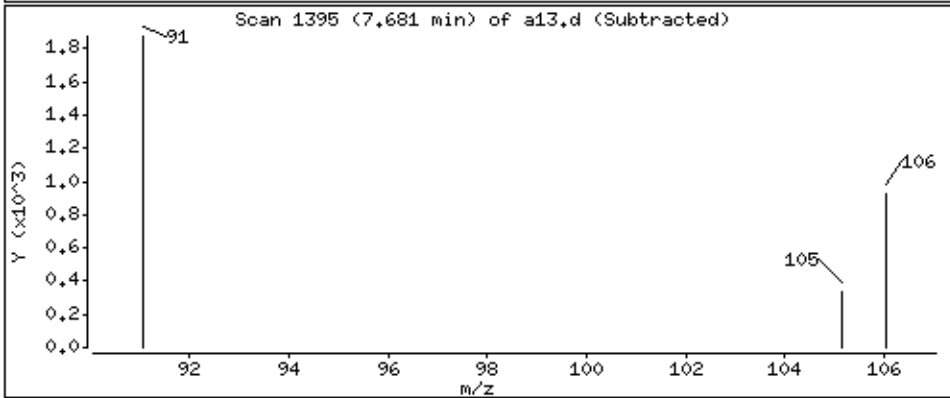
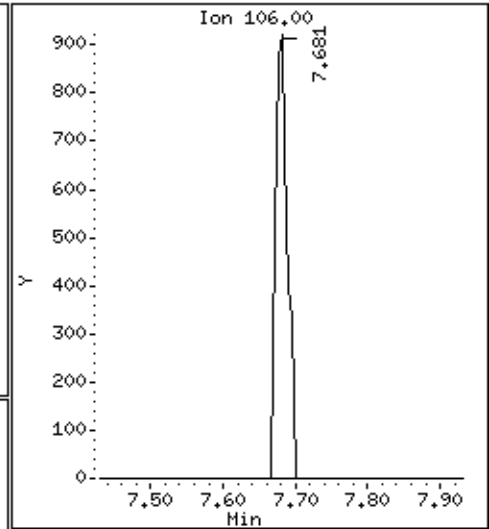
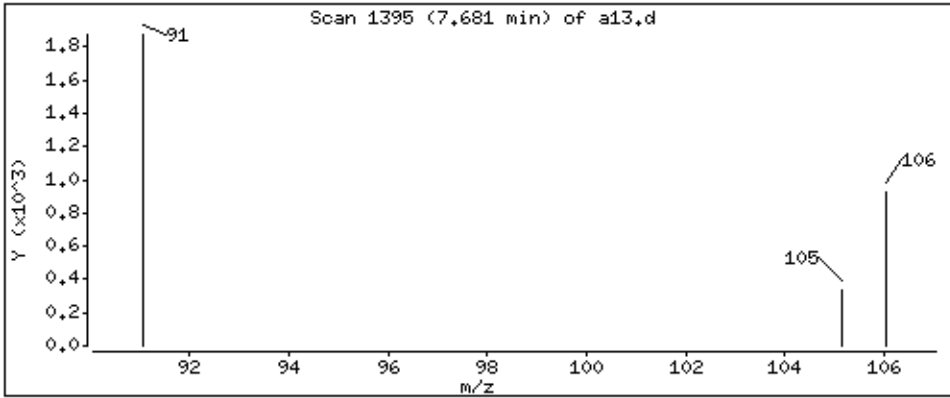
Operator: grm

Column phase: DB-624

Column diameter: 0,18

71 m&p-Xylene

Concentration: 0,519 ppb



Data File: \\192.168.50.6\chem\50mv1a.i\a070214.b/a13.d
Injection Date: 02-JUL-2014 18:03
Instrument: 50mv1a.i
Lab Sample ID: 5099627009
NO SIGNAL MANUAL INTEGRATIONS DONE FOR THIS DATA FILE

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

SAMPLE NO.

TMW-7 (14-16)

Lab Name: Pace Analytical - Indiana
Date Received: 06/20/2014 10:42
Date Extracted: 07/02/2014 18:37
Date Analyzed: 07/02/2014 18:37
Initial wt/vol: 5.642 g Final wt/vol: 5 mL Dilution: 1

Contract: Sibley - Accucast
Matrix: Solid SDG No.: 5099627
Lab Sample ID: 5099627010
Lab File ID: A070214.BVA14.D
Instrument: 50MV1A Percent Moisture: 14.2%

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-7 (14-16)

Lab Name: Pace Analytical - Indiana
Date Received: 06/20/2014 10:42
Date Extracted: 07/02/2014 18:37
Date Analyzed: 07/02/2014 18:37
Initial wt/vol: 5.642 g Final wt/vol: 5 mL Dilution: 1

Contract: Sibley - Accucast
Matrix: Solid SDG No.: 5099627
Lab Sample ID: 5099627010
Lab File ID: A070214.BVA14.D
Instrument: 50MV1A Percent Moisture: 14.2%

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\50mv1a.i\A070214.b\A14.d
 Lab Smp Id: 5099627010 Client Smp ID: TMW-7 (14-16)
 Inj Date : 02-JUL-2014 18:37
 Operator : grm Inst ID: 50mv1a.i
 Smp Info : 5099627010
 Misc Info : 66420
 Comment :
 Method : \\192.168.50.6\chem\50mv1a.i\A070214.b\A8260_a_c.m
 Meth Date : 03-Jul-2014 13:53 50mv1a.i Quant Type: ISTD
 Cal Date : 19-JUN-2014 17:44 Cal File: A08cal.d
 Als bottle: 29
 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	14.163	% Moisture (not decanted)
Va	0.00000	Volume of aliquot extract added (uL)
Cpnd Variable		Local Compound Variable

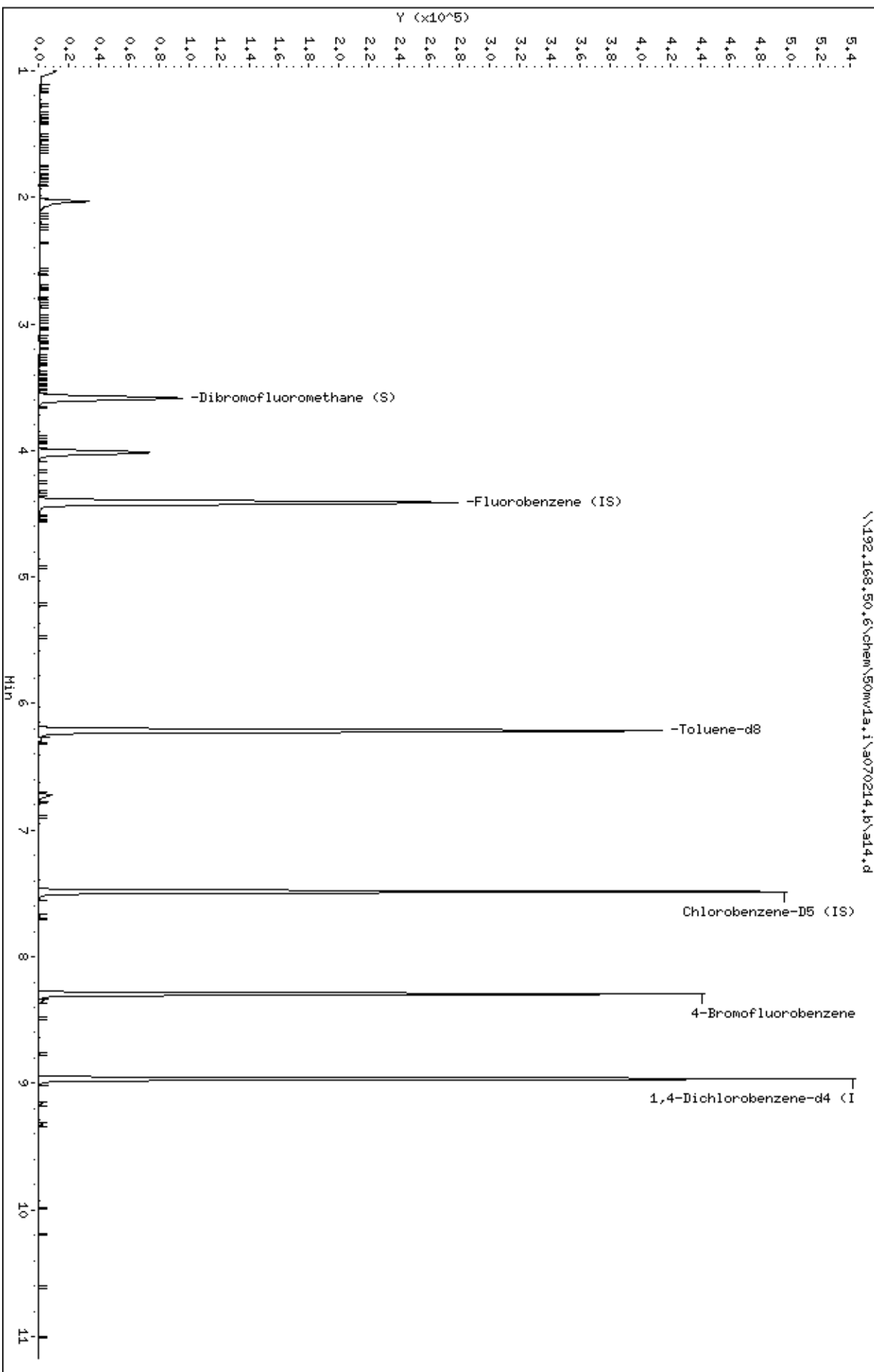
Compounds	QUANT	SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS		REVIEW C
							ON-COLUMN (ppb)	FINAL (ppb)	
\$ 38 Dibromofluoromethane (S)	113		3.587	3.585	(0.814)	59555	47.8339	55.7	
* 46 Fluorobenzene (IS)	96		4.408	4.406	(1.000)	258704	50.0000		
\$ 57 Toluene-d8	98		6.212	6.210	(0.830)	251427	49.1969	57.3	
58 Toluene	91		6.295	6.283	(0.841)	784	0.12138	0.141	
* 67 Chlorobenzene-D5 (IS)	117		7.487	7.485	(1.000)	193821	50.0000		
\$ 76 4-Bromofluorobenzene	95		8.292	8.290	(1.108)	94448	45.5632	53.1	
* 91 1,4-Dichlorobenzene-d4 (IS)	152		8.967	8.965	(1.000)	105304	50.0000		

Review Codes Legend

:

Column phase: DB-624

Operator: grm
Column diameter: 0.18



Date : 02-JUL-2014 18:37

Client ID: THW-7 (14-16)

Instrument: 50mv1a.i

Sample Info: 5099627010

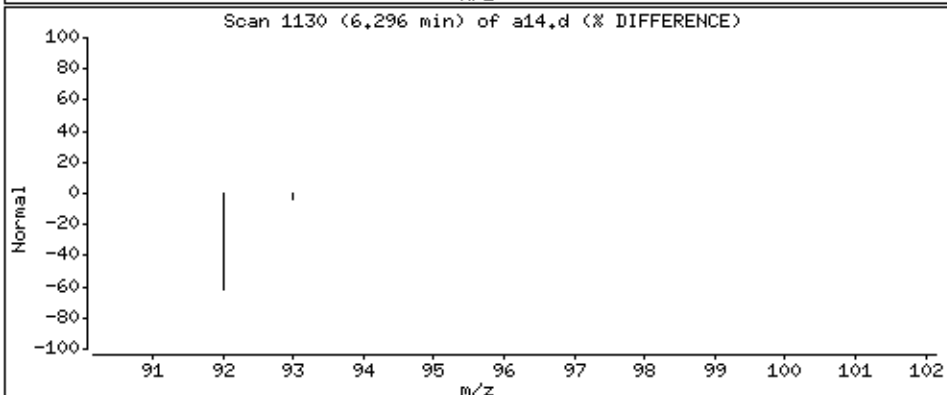
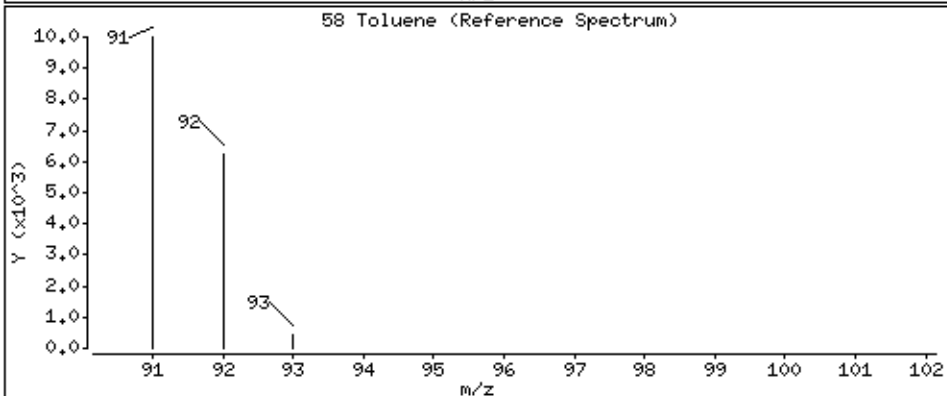
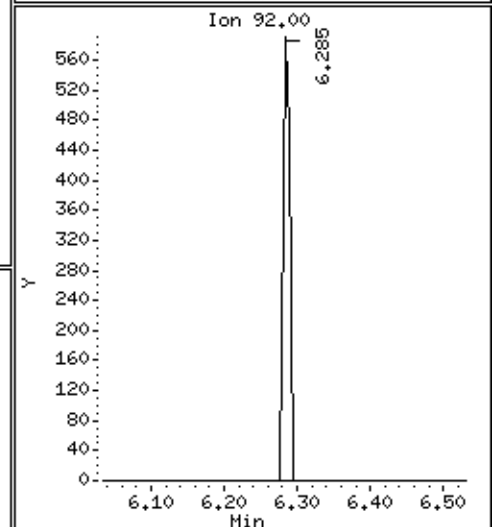
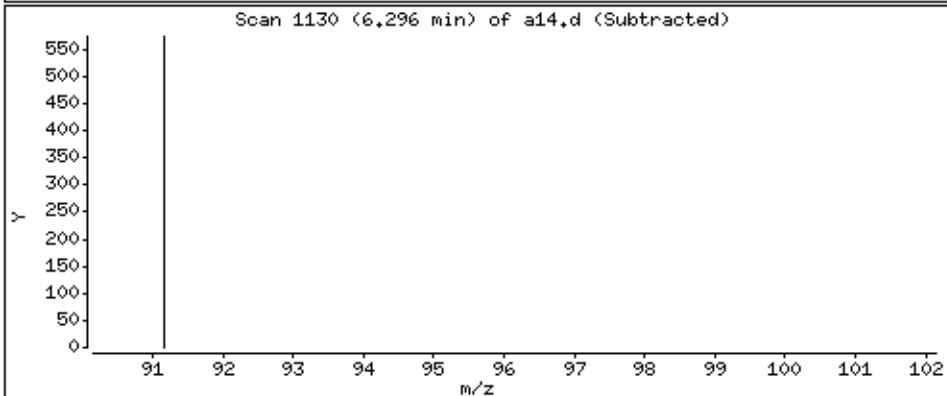
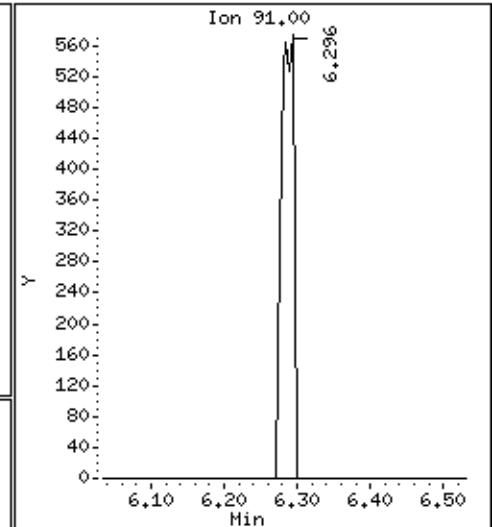
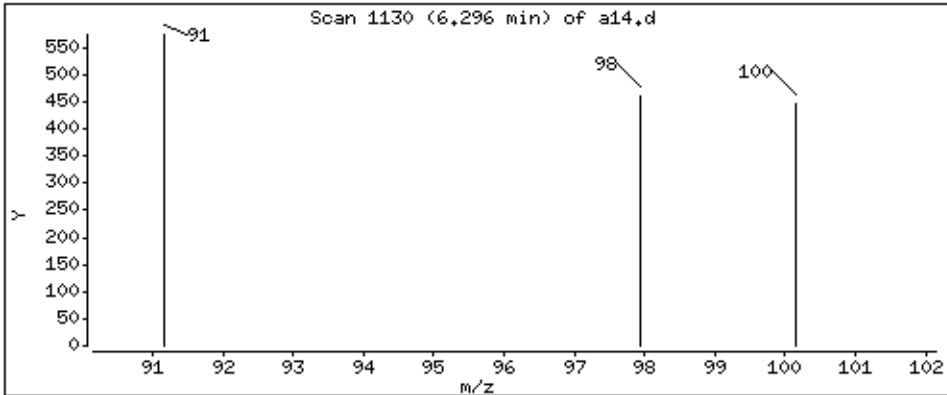
Operator: grm

Column phase: DB-624

Column diameter: 0,18

58 Toluene

Concentration: 0,141 ppb



Data File: \\192.168.50.6\chem\50mv1a.i\a070214.b/a14.d
Injection Date: 02-JUL-2014 18:37
Instrument: 50mv1a.i
Lab Sample ID: 5099627010
NO SIGNAL MANUAL INTEGRATIONS DONE FOR THIS DATA FILE

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

SAMPLE NO.

P-4 (5-7)

Lab Name: Pace Analytical - Indiana
Date Received: 06/20/2014 10:42
Date Extracted: 07/03/2014 15:03
Date Analyzed: 07/03/2014 15:03
Initial wt/vol: 5.572 g Final wt/vol: 5 mL Dilution: 1

Contract: Sibley - Accucast
Matrix: Solid SDG No.: 5099627
Lab Sample ID: 5099627011
Lab File ID: A070314.BVA06.D
Instrument: 50MV1A Percent Moisture: 9.2%

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-4 (5-7)

Lab Name: Pace Analytical - Indiana
Date Received: 06/20/2014 10:42
Date Extracted: 07/03/2014 15:03
Date Analyzed: 07/03/2014 15:03
Initial wt/vol: 5.572 g Final wt/vol: 5 mL Dilution: 1

Contract: Sibley - Accucast
Matrix: Solid SDG No.: 5099627
Lab Sample ID: 5099627011
Lab File ID: A070314.BVA06.D
Instrument: 50MV1A Percent Moisture: 9.2%

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\50mv1a.i\070314.b\06.d
 Lab Smp Id: 5099627011 Client Smp ID: P-4 (5-7)
 Inj Date : 03-JUL-2014 15:03
 Operator : grm Inst ID: 50mv1a.i
 Smp Info : 5099627011
 Misc Info : 66523
 Comment :
 Method : \\192.168.50.6\chem\50mv1a.i\070314.b\08260_a_c.m
 Meth Date : 07-Jul-2014 11:05 50mv1a.i Quant Type: ISTD
 Cal Date : 19-JUN-2014 17:44 Cal File: a08cal.d
 Als bottle: 13
 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	5.382	Weight of sample extracted (g)
M	9.204	% Moisture (not decanted)
Va	0.00000	Volume of aliquot extract added (uL)
Cpnd Variable		Local Compound Variable

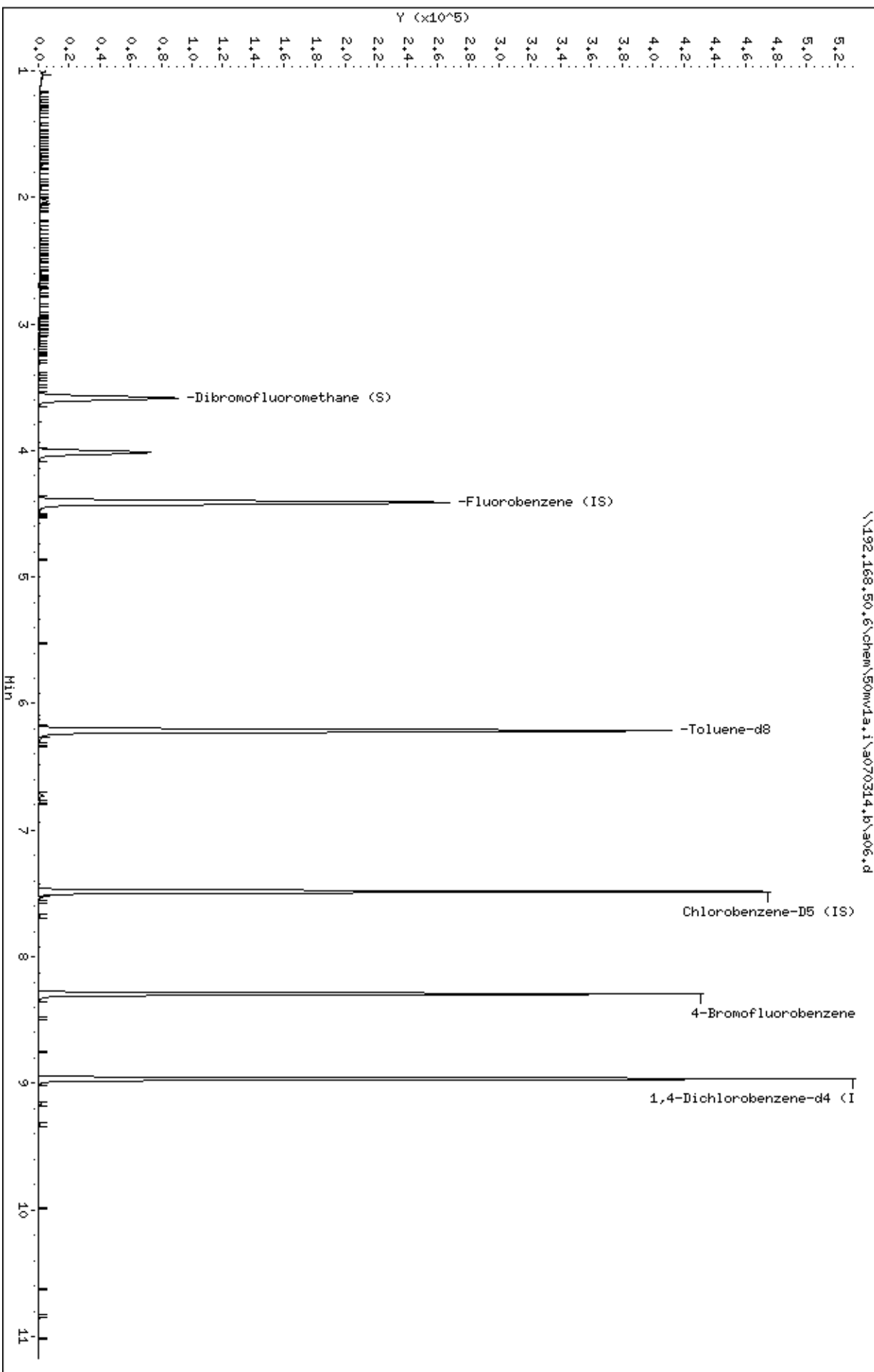
Compounds	QUANT	SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS		REVIEW C
							ON-COLUMN (ppb)	FINAL (ppb)	
\$ 38 Dibromofluoromethane (S)	113		3.582	3.585	(0.813)	57634	47.2859	48.4	
* 46 Fluorobenzene (IS)	96		4.408	4.406	(1.000)	253261	50.0000		
\$ 57 Toluene-d8	98		6.212	6.210	(0.830)	249195	49.4894	50.6	
58 Toluene	91		6.290	6.283	(0.840)	451	0.07087	0.0725	
* 67 Chlorobenzene-D5 (IS)	117		7.487	7.485	(1.000)	190965	50.0000		
\$ 76 4-Bromofluorobenzene	95		8.292	8.291	(1.108)	94521	46.2804	47.4	
* 91 1,4-Dichlorobenzene-d4 (IS)	152		8.967	8.965	(1.000)	105335	50.0000		

Review Codes Legend

:

Column phase: DB-624

Operator: grm
Column diameter: 0.18



Date : 03-JUL-2014 15:03

Client ID: P-4 (5-7)

Instrument: 50mv1a.i

Sample Info: 5099627011

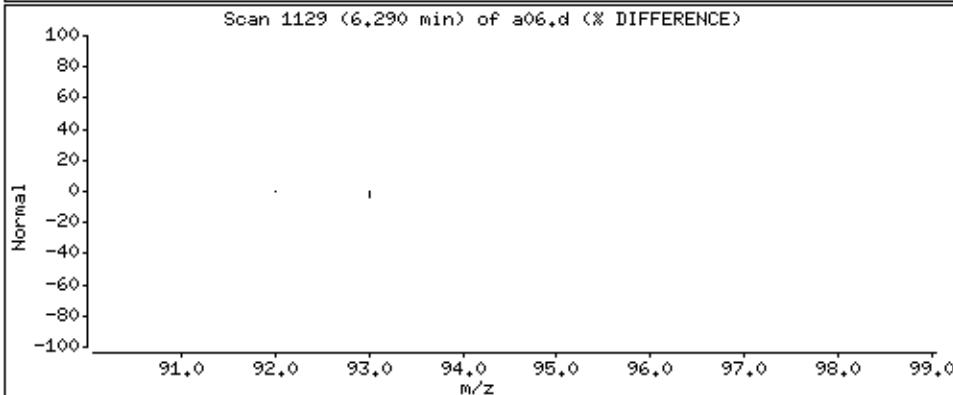
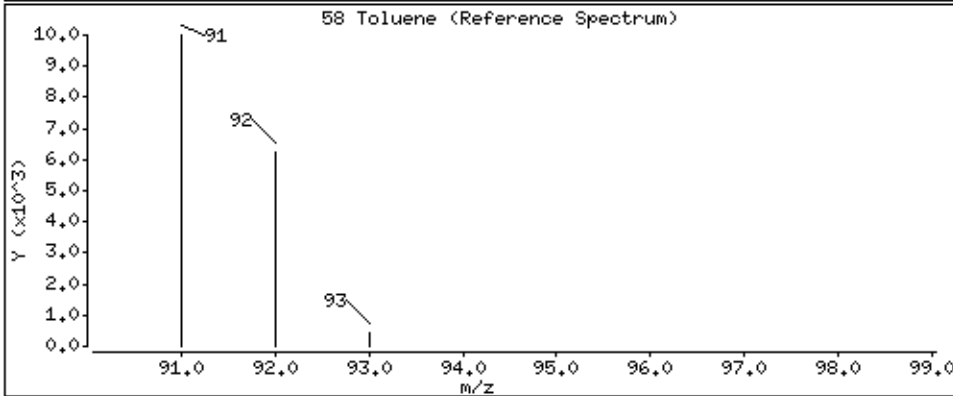
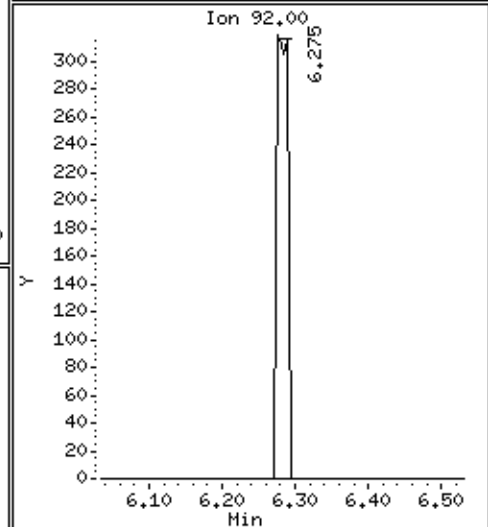
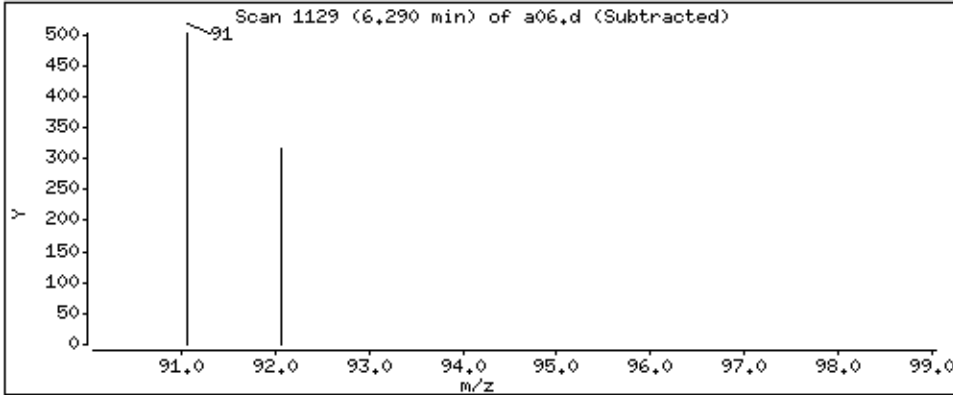
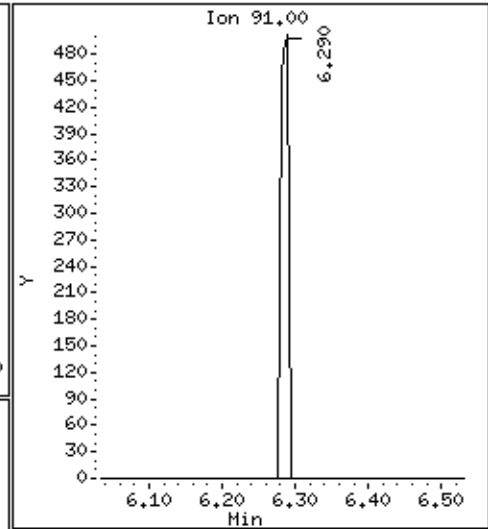
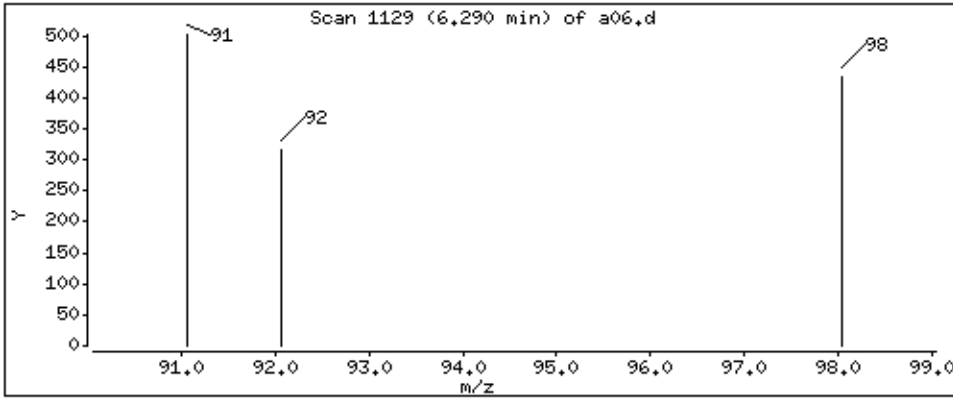
Operator: grm

Column phase: DB-624

Column diameter: 0,18

58 Toluene

Concentration: 0,0725 ppb



Data File: \\192.168.50.6\chem\50mv1a.i\a070314.b/a06.d
Injection Date: 03-JUL-2014 15:03
Instrument: 50mv1a.i
Lab Sample ID: 5099627011
NO SIGNAL MANUAL INTEGRATIONS DONE FOR THIS DATA FILE

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

SAMPLE NO.

P-7 (5-7)

Lab Name: Pace Analytical - Indiana
Date Received: 06/20/2014 10:42
Date Extracted: 07/03/2014 16:44
Date Analyzed: 07/03/2014 16:44
Initial wt/vol: 6.002 g Final wt/vol: 5 mL Dilution: 1

Contract: Sibley - Accucast
Matrix: Solid SDG No.: 5099627
Lab Sample ID: 5099627012
Lab File ID: A070314.BVA09.D
Instrument: 50MV1A Percent Moisture: 14.5%

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-7 (5-7)

Lab Name: Pace Analytical - Indiana
Date Received: 06/20/2014 10:42
Date Extracted: 07/03/2014 16:44
Date Analyzed: 07/03/2014 16:44
Initial wt/vol: 6.002 g Final wt/vol: 5 mL Dilution: 1

Contract: Sibley - Accucast
Matrix: Solid SDG No.: 5099627
Lab Sample ID: 5099627012
Lab File ID: A070314.BVA09.D
Instrument: 50MV1A Percent Moisture: 14.5%

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

07/17/2014 9:25

Pace Analytical Services, Inc.

Data file : \\192.168.50.6\chem\50mv1a.i\a070314.b\a09.d
 Lab Smp Id: 5099627012 Client Smp ID: P-7 (5-7)
 Inj Date : 03-JUL-2014 16:44
 Operator : grm Inst ID: 50mv1a.i
 Smp Info : 5099627012
 Misc Info : 66523
 Comment :
 Method : \\192.168.50.6\chem\50mv1a.i\a070314.b\a8260_a_c.m
 Meth Date : 07-Jul-2014 11:05 50mv1a.i Quant Type: ISTD
 Cal Date : 19-JUN-2014 17:44 Cal File: a08cal.d
 Als bottle: 19
 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	5.272	Weight of sample extracted (g)
M	14.491	% Moisture (not decanted)
Va	0.00000	Volume of aliquot extract added (uL)
Cpnd Variable		Local Compound Variable

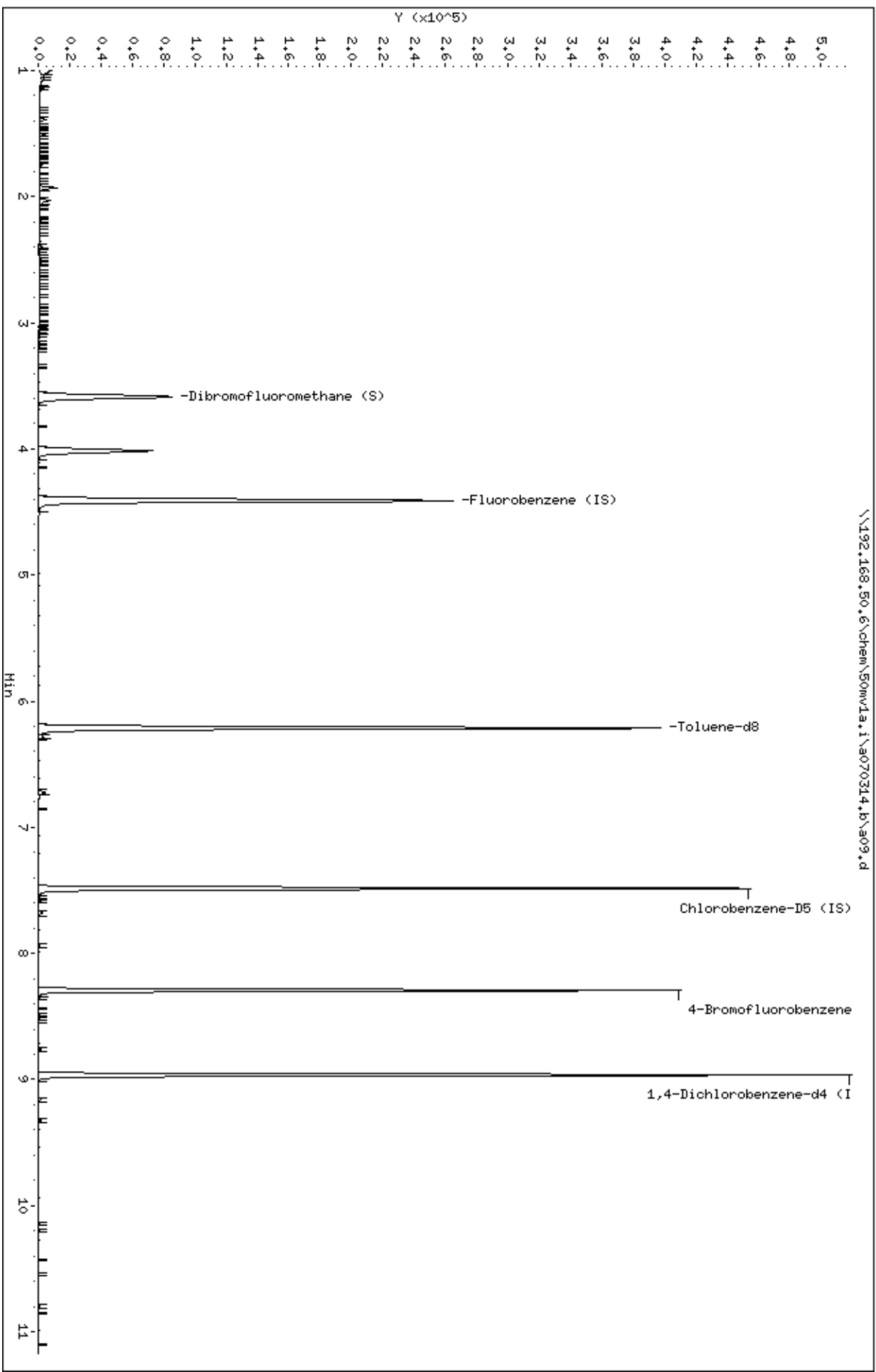
Compounds	QUANT	SIG	CONCENTRATIONS					REVIEW C	
			ON-COLUMN	FINAL					
	MASS		RT	EXP RT	REL RT	RESPONSE	(ppb)	(ppb)	
15 Methyl Acetate	43		1.929	1.928	(0.438)	7488	21.5858	23.9	
\$ 38 Dibromofluoromethane (S)	113		3.592	3.585	(0.815)	55838	47.5570	52.7	
* 46 Fluorobenzene (IS)	96		4.407	4.406	(1.000)	243970	50.0000		
\$ 57 Toluene-d8	98		6.211	6.210	(0.830)	242405	50.8161	56.4	
58 Toluene	91		6.284	6.283	(0.839)	2169	0.35976	0.399	
* 67 Chlorobenzene-D5 (IS)	117		7.487	7.485	(1.000)	180912	50.0000		
71 m&p-Xylene	106		7.675	7.679	(1.025)	724	0.27747	0.308(Q)	
\$ 76 4-Bromofluorobenzene	95		8.292	8.291	(1.108)	89325	46.1666	51.2	
84 1,3,5-Trimethylbenzene	105		8.548	8.542	(0.953)	320	0.05185	0.0575(Q)	
87 1,2,4-Trimethylbenzene	105		8.757	8.756	(0.977)	1373	0.22982	0.255	
* 91 1,4-Dichlorobenzene-d4 (IS)	152		8.966	8.965	(1.000)	99956	50.0000		

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Review Codes Legend

:



Date : 03-JUL-2014 16:44

Client ID: P-7 (5-7)

Instrument: 50mv1a.i

Sample Info: 5099627012

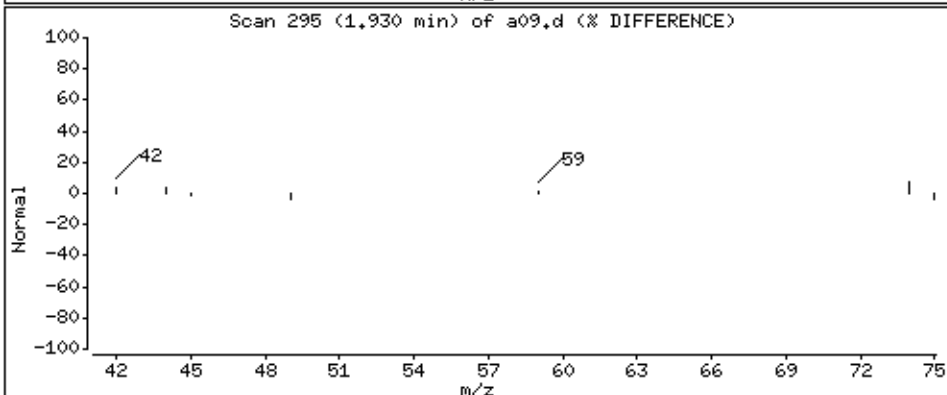
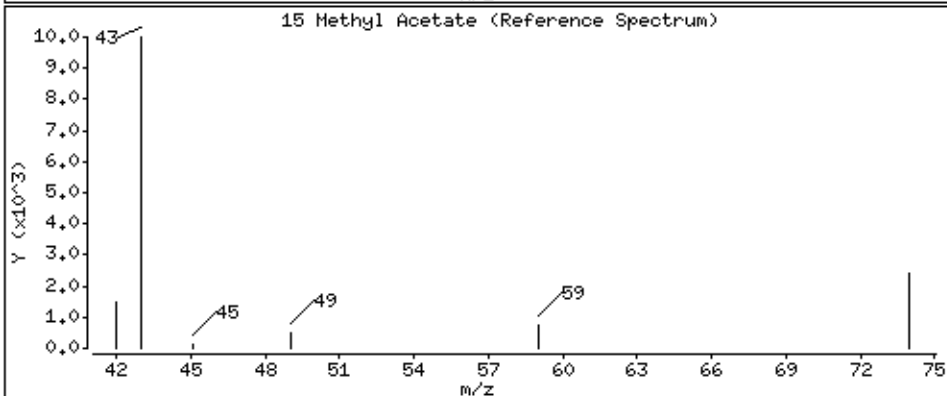
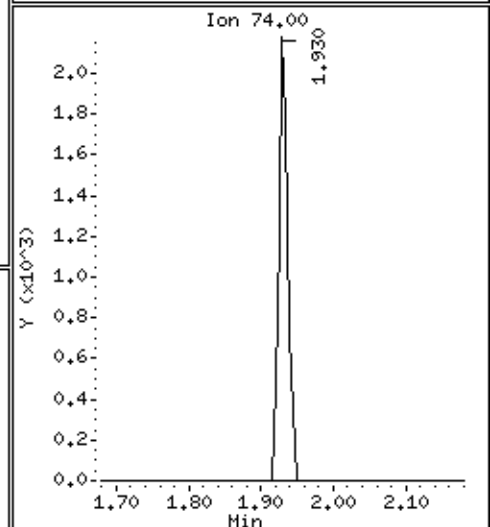
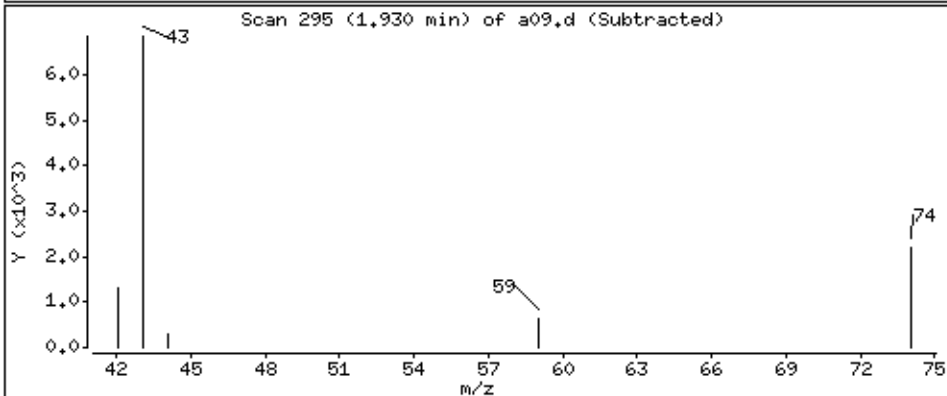
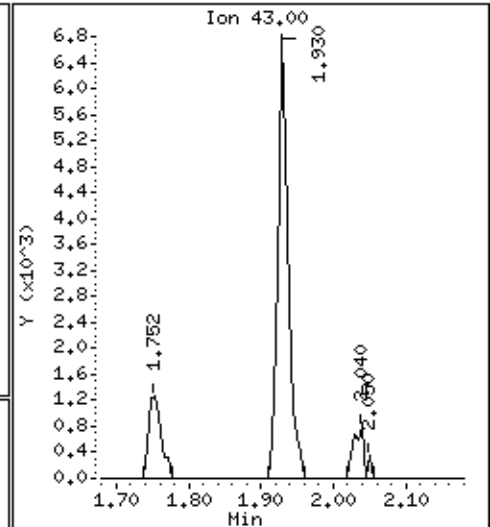
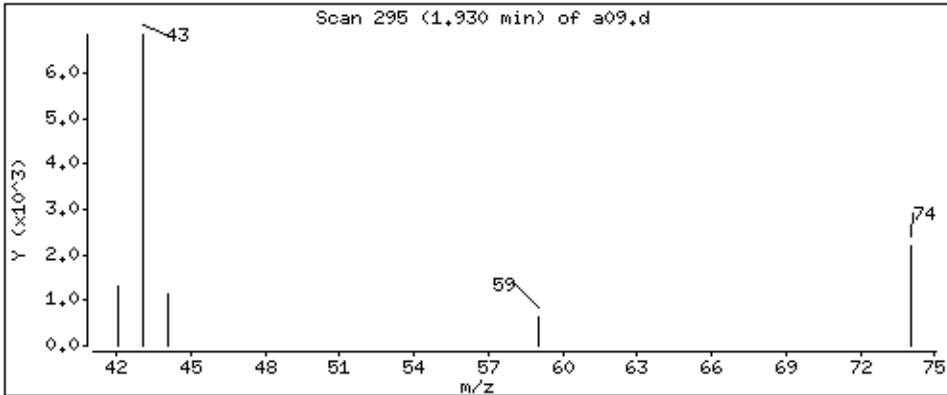
Operator: grm

Column phase: DB-624

Column diameter: 0,18

15 Methyl Acetate

Concentration: 23,9 ppb



Date : 03-JUL-2014 16:44

Client ID: P-7 (5-7)

Instrument: 50mv1a.i

Sample Info: 5099627012

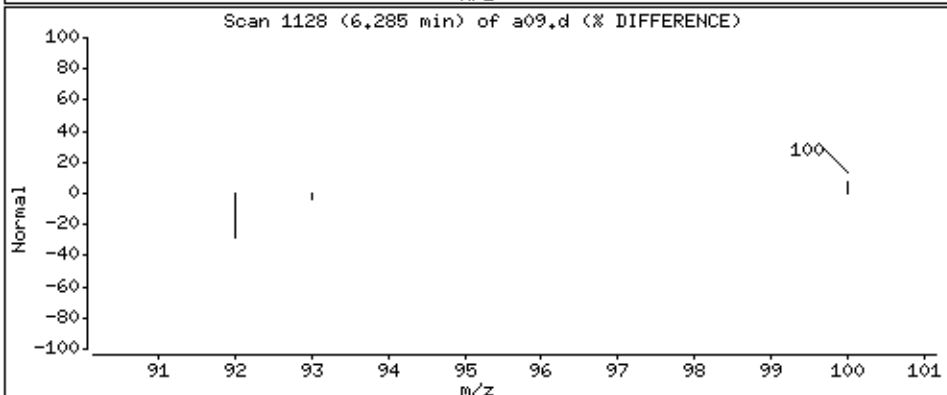
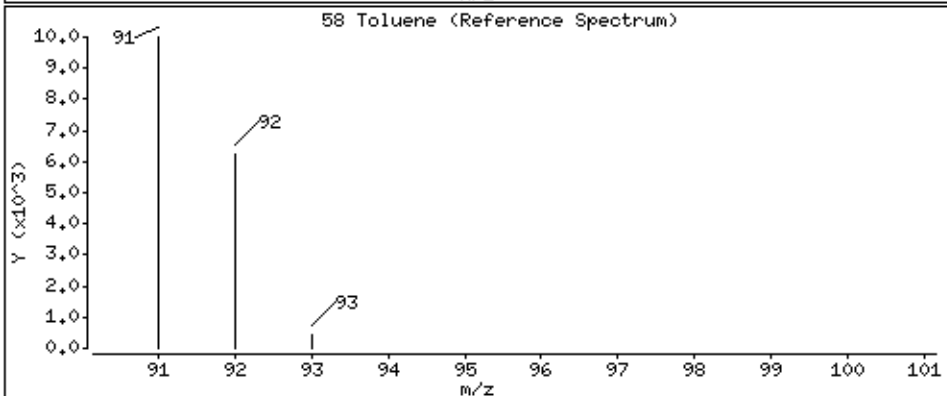
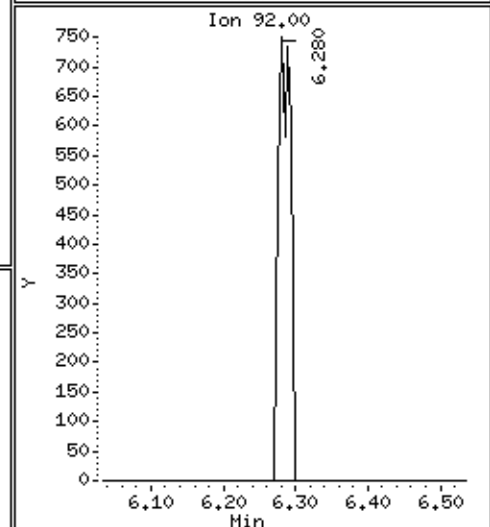
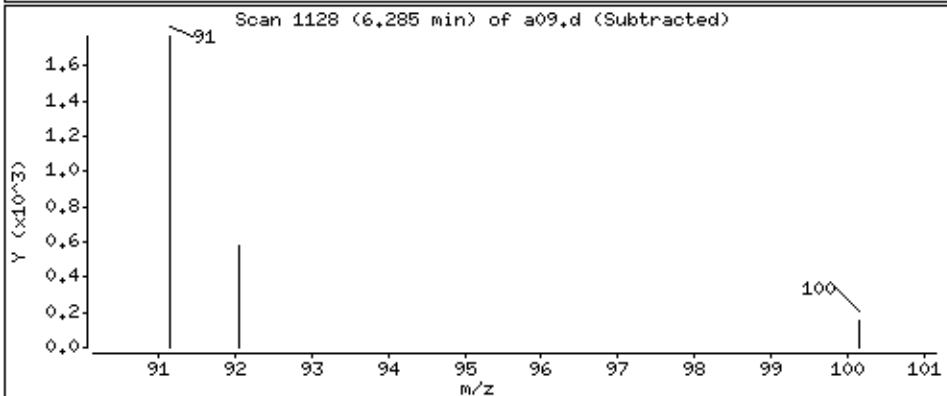
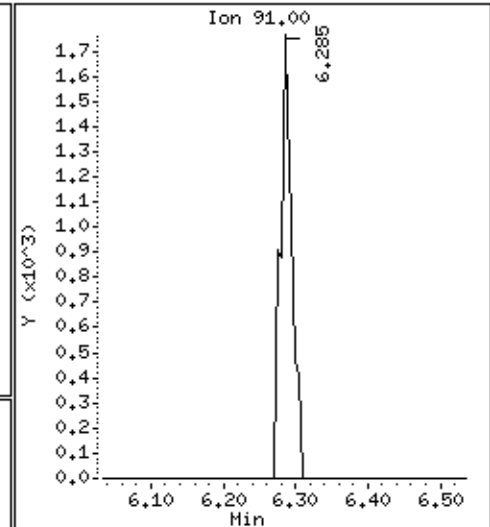
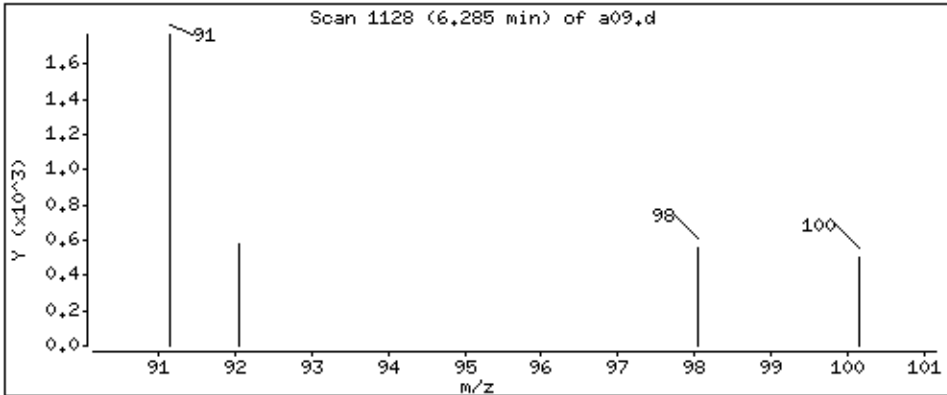
Operator: grm

Column phase: DB-624

Column diameter: 0,18

58 Toluene

Concentration: 0,399 ppb



Date : 03-JUL-2014 16:44

Client ID: P-7 (5-7)

Instrument: 50mv1a.i

Sample Info: 5099627012

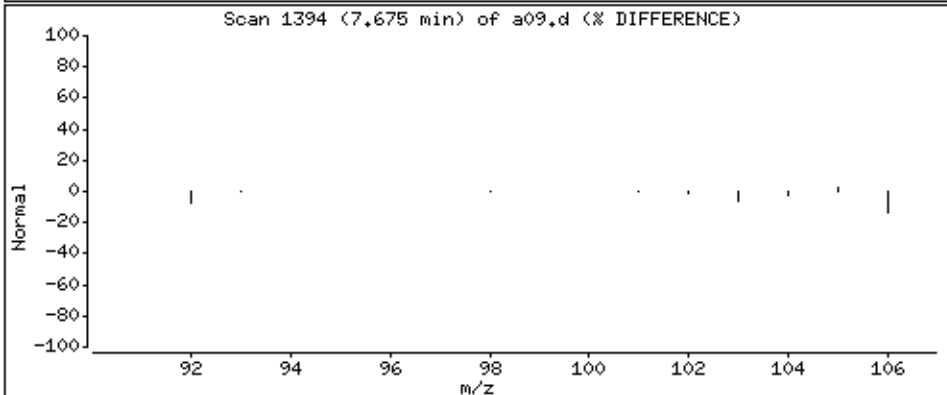
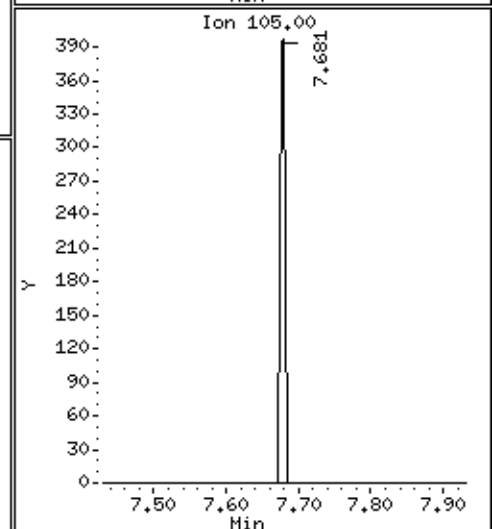
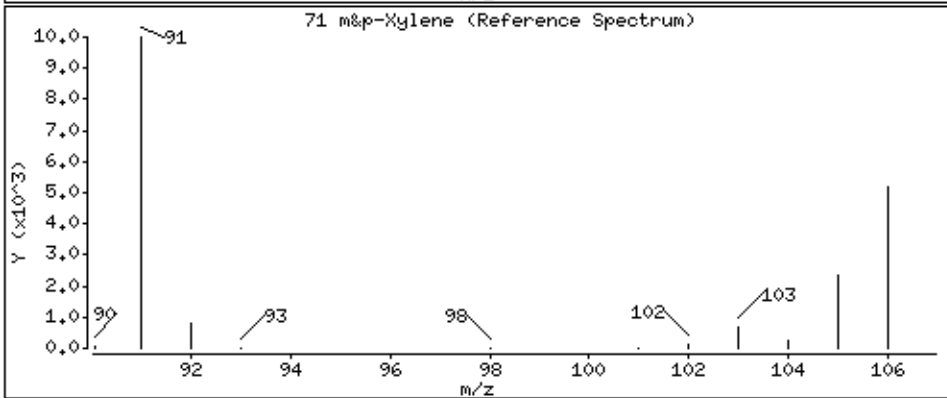
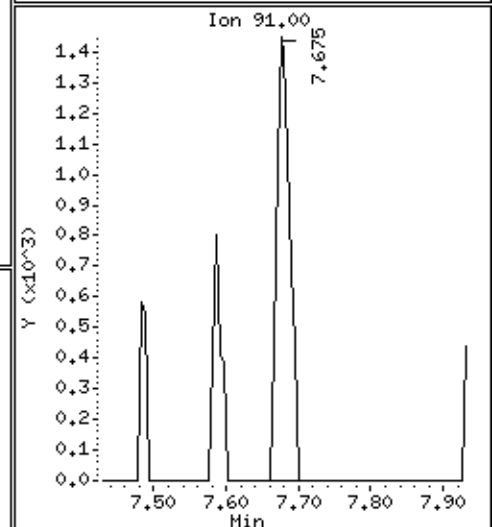
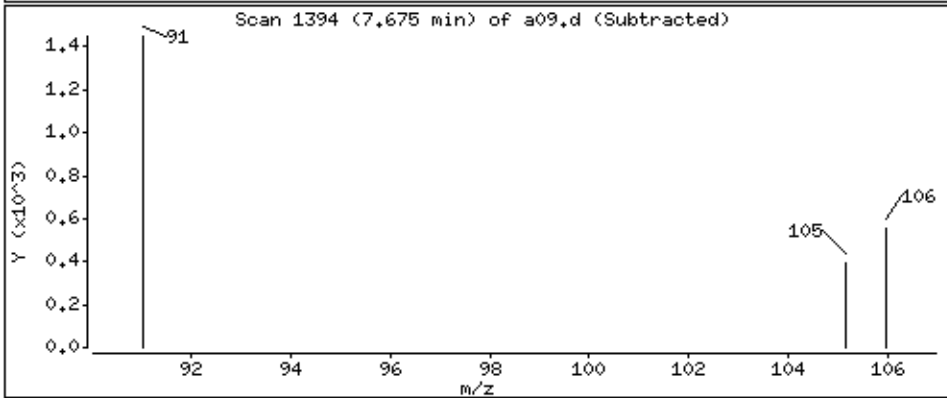
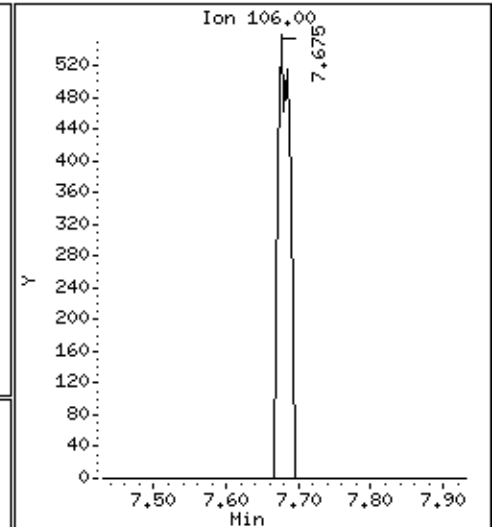
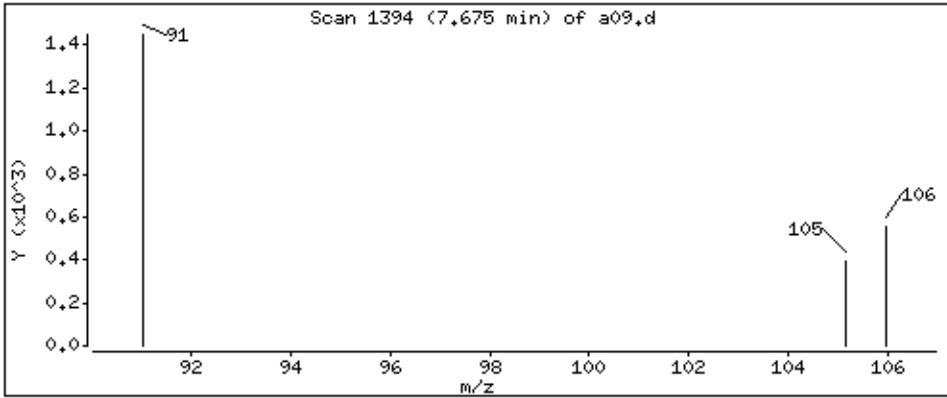
Operator: grm

Column phase: DB-624

Column diameter: 0,18

71 m&p-Xylene

Concentration: 0,308 ppb



Date : 03-JUL-2014 16:44

Client ID: P-7 (5-7)

Instrument: 50mv1a.i

Sample Info: 5099627012

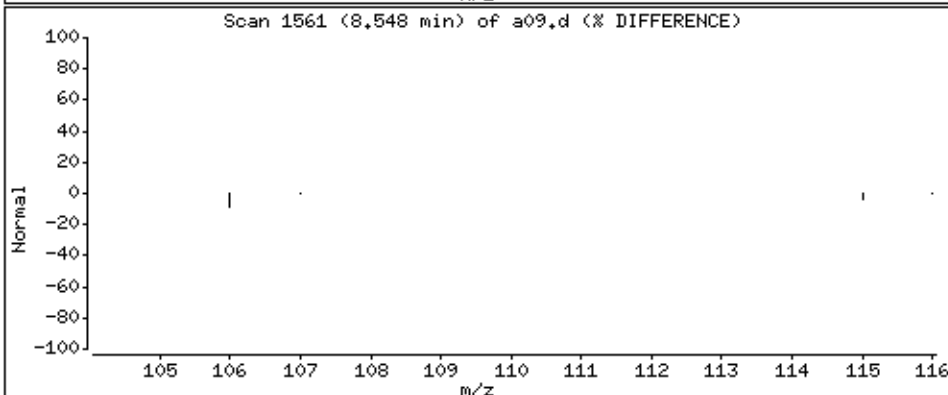
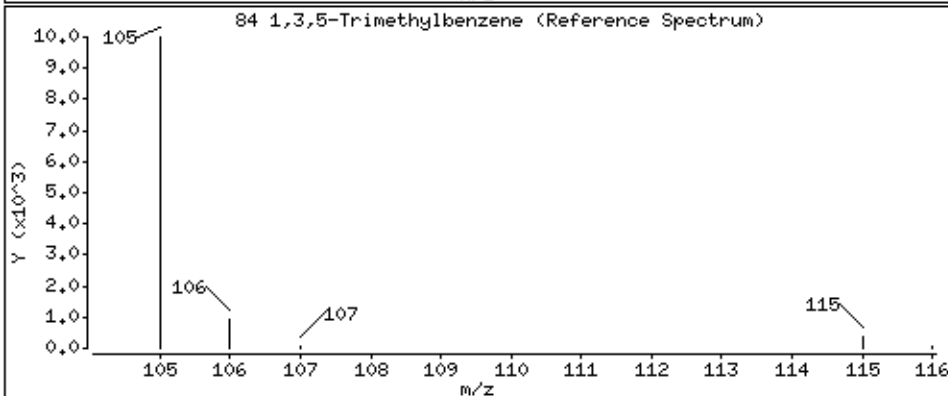
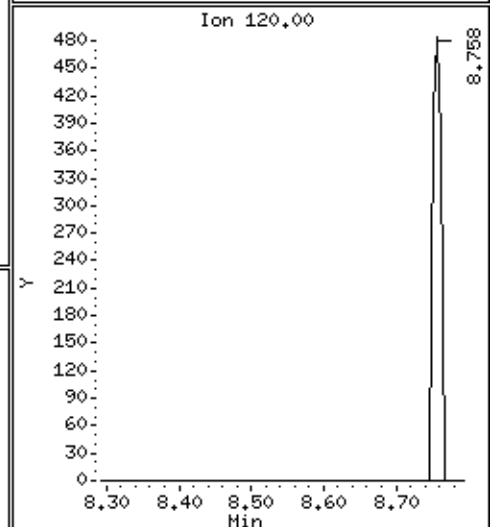
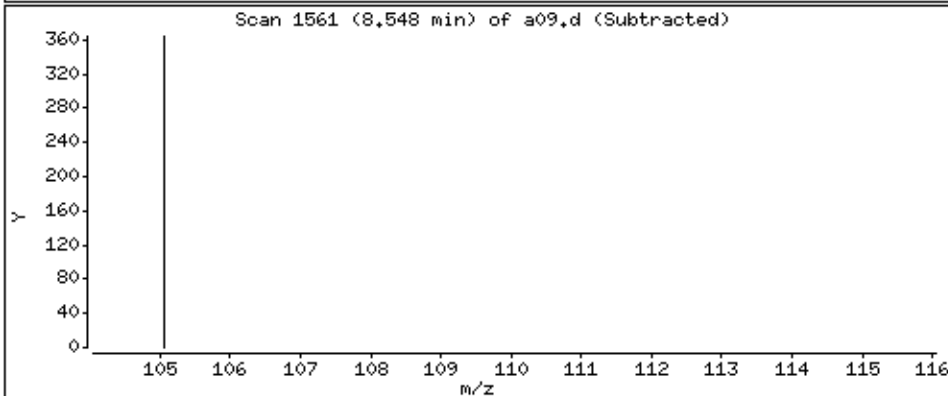
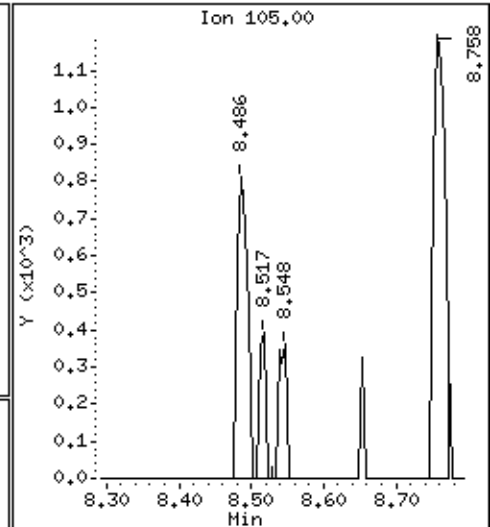
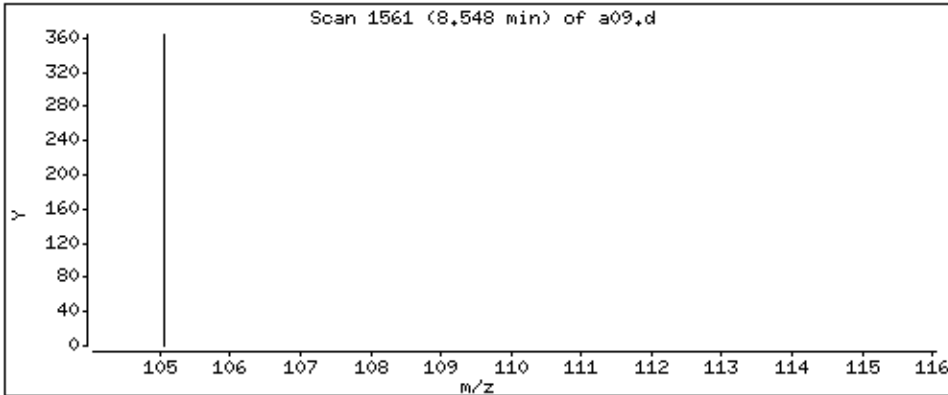
Operator: grm

Column phase: DB-624

Column diameter: 0,18

84 1,3,5-Trimethylbenzene

Concentration: 0,0575 ppb



Date : 03-JUL-2014 16:44

Client ID: P-7 (5-7)

Instrument: 50mv1a.i

Sample Info: 5099627012

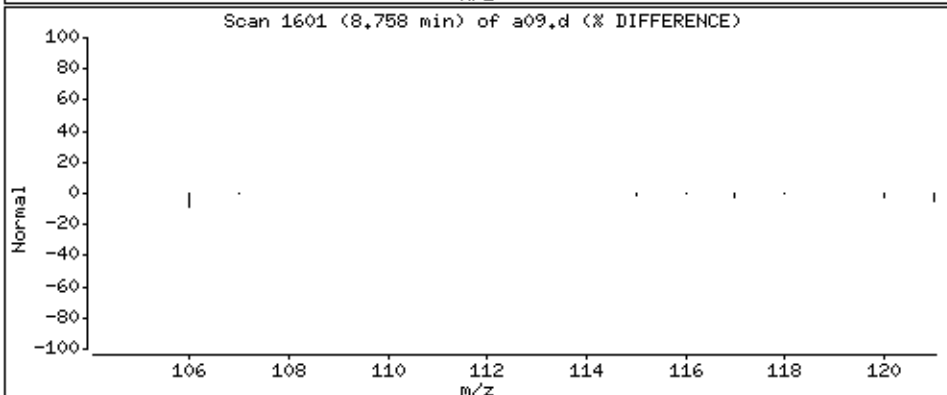
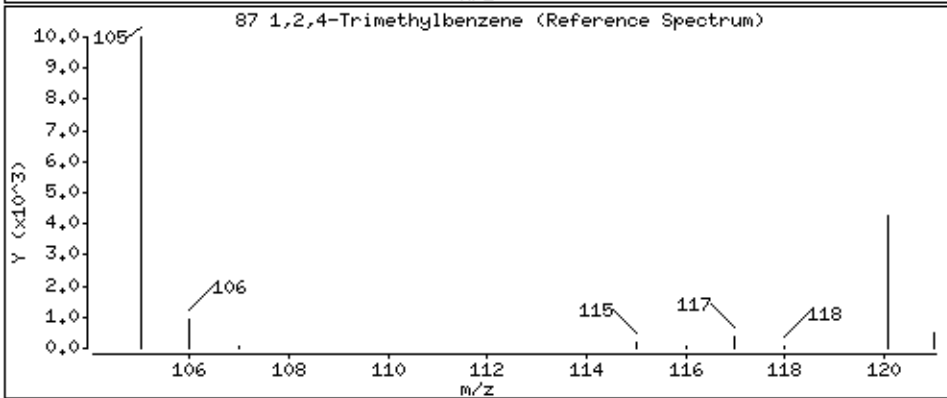
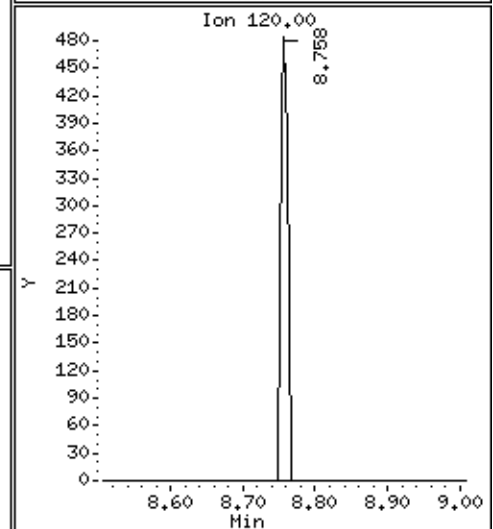
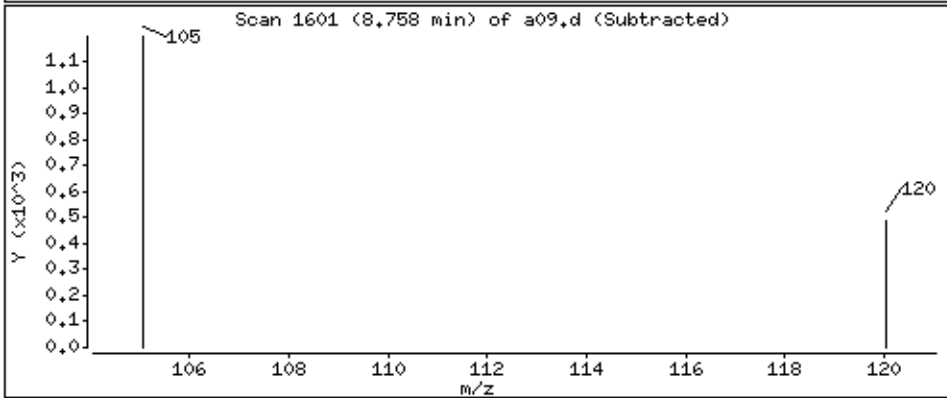
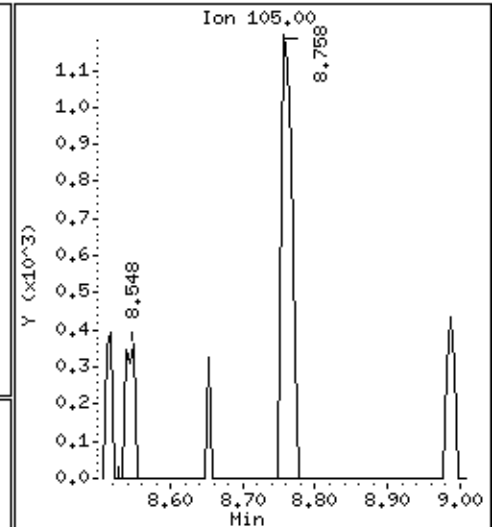
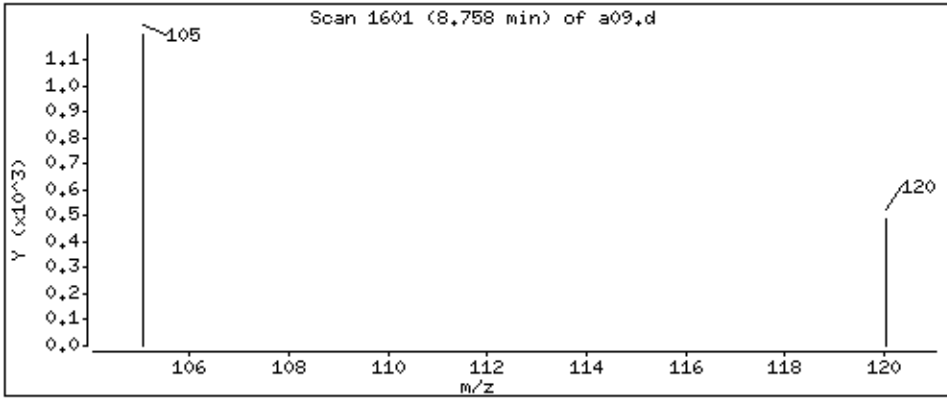
Operator: grm

Column phase: DB-624

Column diameter: 0,18

87 1,2,4-Trimethylbenzene

Concentration: 0,255 ppb



Data File: \\192.168.50.6\chem\50mv1a.i\a070314.b/a09.d
Injection Date: 03-JUL-2014 16:44
Instrument: 50mv1a.i
Lab Sample ID: 5099627012
NO SIGNAL MANUAL INTEGRATIONS DONE FOR THIS DATA FILE

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

SAMPLE NO.

TMW-3 (8-9)

Lab Name: Pace Analytical - Indiana
Date Received: 06/20/2014 10:42
Date Extracted: 07/02/2014 20:18
Date Analyzed: 07/02/2014 20:18
Initial wt/vol: 5.492 g Final wt/vol: 5 mL Dilution: 1

Contract: Sibley - Accucast
Matrix: Solid SDG No.: 5099627
Lab Sample ID: 5099627014
Lab File ID: A070214.BVA17.D
Instrument: 50MV1A Percent Moisture: 5.6%

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

07/17/2014 9:25

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

SAMPLE NO.

TMW-3 (8-9)

Lab Name: Pace Analytical - Indiana
 Date Received: 06/20/2014 10:42
 Date Extracted: 07/02/2014 20:18
 Date Analyzed: 07/02/2014 20:18
 Initial wt/vol: 5.492 g Final wt/vol: 5 mL Dilution: 1

Contract: Sibley - Accucast
 Matrix: Solid SDG No.: 5099627
 Lab Sample ID: 5099627014
 Lab File ID: A070214.BVA17.D
 Instrument: 50MV1A Percent Moisture: 5.6%

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

07/17/2014 9:25

Pace Analytical Services, Inc.

Data file : \\192.168.50.6\chem\50mv1a.i\a070214.b\a17.d
 Lab Smp Id: 5099627014 Client Smp ID: TMW-3 (8-9)
 Inj Date : 02-JUL-2014 20:18
 Operator : grm Inst ID: 50mv1a.i
 Smp Info : 5099627014
 Misc Info : 66420
 Comment :
 Method : \\192.168.50.6\chem\50mv1a.i\a070214.b\a8260_a_c.m
 Meth Date : 03-Jul-2014 13:53 50mv1a.i Quant Type: ISTD
 Cal Date : 19-JUN-2014 17:44 Cal File: a08cal.d
 Als bottle: 35
 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	5.571	% 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 (ppb)	FINAL (ppb)	
12 Acetone	43	1.753	1.750	(0.398)	13789	75.6524	80.1	
15 Methyl Acetate	43	1.931	1.928	(0.438)	4397	10.1623	10.8	
19 tert-Butyl Alcohol	59	2.067	2.069	(0.469)	722	18.2617	19.3(Q)	
\$ 38 Dibromofluoromethane (S)	113	3.588	3.585	(0.814)	62791	42.8761	45.4	
* 46 Fluorobenzene (IS)	96	4.409	4.406	(1.000)	304301	50.0000		
\$ 57 Toluene-d8	98	6.212	6.210	(0.830)	304929	50.4589	53.4	
58 Toluene	91	6.286	6.283	(0.840)	10544	1.38051	1.46	
* 67 Chlorobenzene-D5 (IS)	117	7.483	7.485	(1.000)	229186	50.0000		
70 Ethylbenzene	106	7.593	7.584	(1.015)	894	0.33258	0.352(Q)	
71 m&p-Xylene	106	7.676	7.679	(1.026)	6973	2.10950	2.23	
72 o-Xylene	106	7.938	7.935	(1.061)	2398	0.78256	0.829(Q)	
\$ 76 4-Bromofluorobenzene	95	8.293	8.290	(1.108)	113422	46.2734	49.0	
82 n-Propylbenzene	91	8.440	8.437	(0.941)	2104	0.18782	0.199	
84 1,3,5-Trimethylbenzene	105	8.544	8.541	(0.953)	3885	0.49060	0.520	
87 1,2,4-Trimethylbenzene	105	8.758	8.756	(0.977)	15904	2.07485	2.20	
90 p-Isopropyltoluene	119	8.900	8.933	(0.992)	525	0.05974	0.0633	
* 91 1,4-Dichlorobenzene-d4 (IS)	152	8.968	8.965	(1.000)	128249	50.0000		
93 n-Butylbenzene	91	9.145	9.153	(1.020)	2344	0.26320	0.279(Q)	
98 Naphthalene	128	10.144	10.141	(1.131)	11854	3.19503	3.38	
100 2,methyl-naphthalene	142	10.797	10.800	(1.204)	22035	9.02488	9.56	
101 1-methylnaphthalene	142	10.918	10.920	(1.217)	11067	5.53873	5.86	

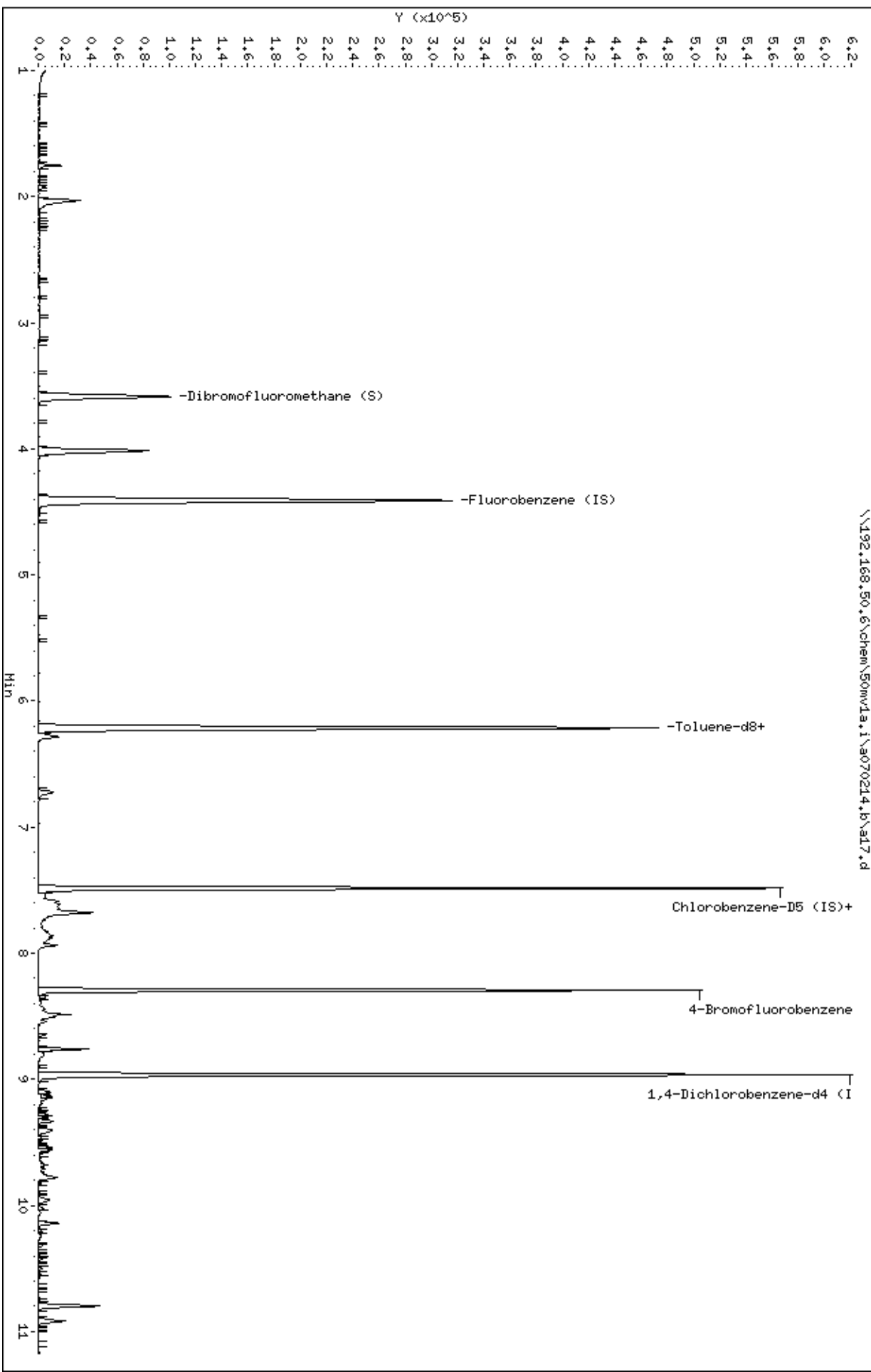
QC Flag Legend

Q - Qualifier signal failed the ratio test.

Column phase: DB-624

Operator: grm
Column diameter: 0.18

\\192.168.50.6\chem\50mw1a.1\9070214.b\17.d



Date : 02-JUL-2014 20:18

Client ID: THW-3 (8-9)

Instrument: 50mv1a.i

Sample Info: 5099627014

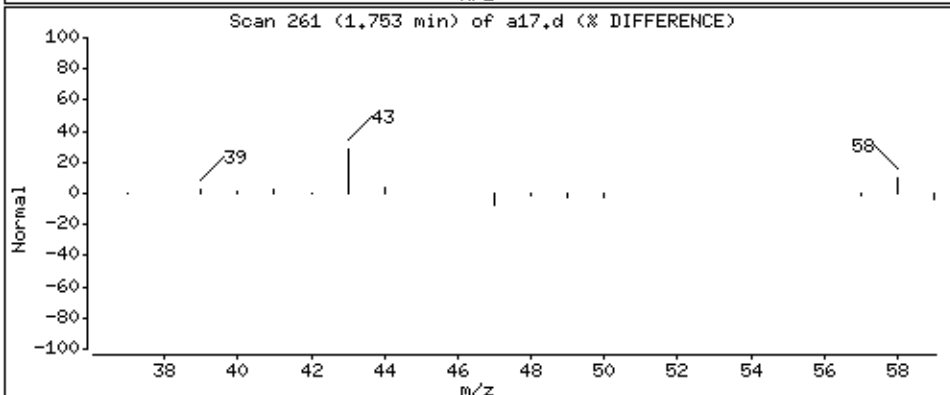
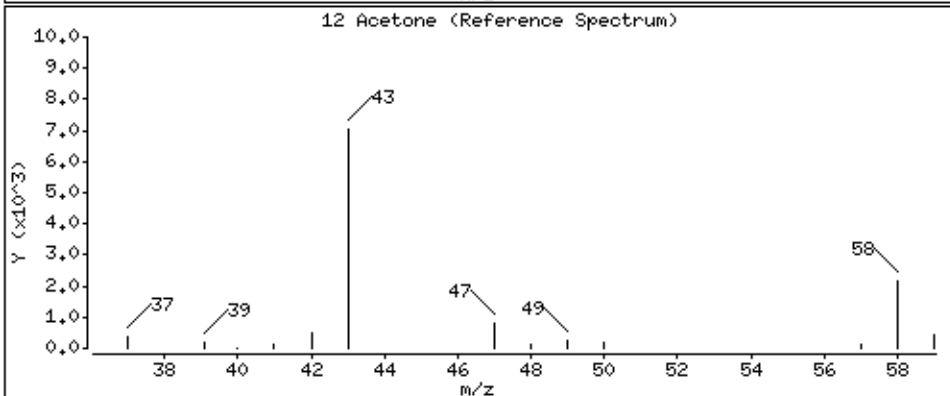
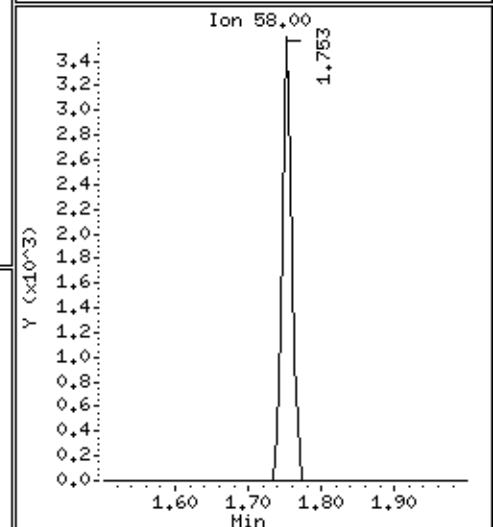
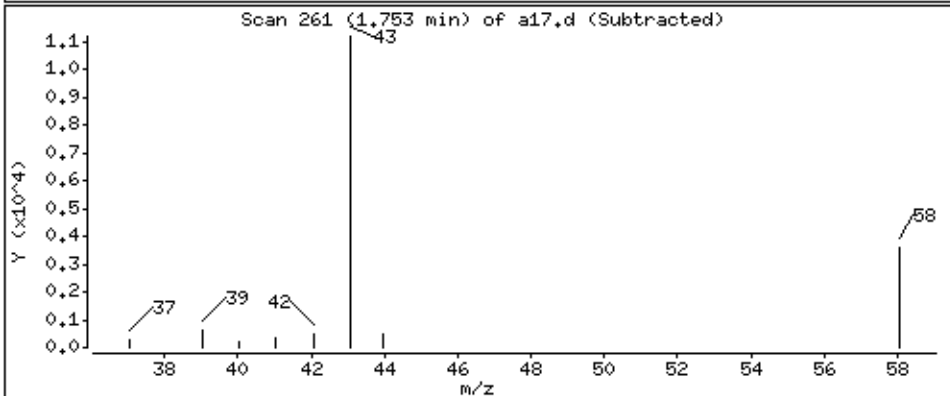
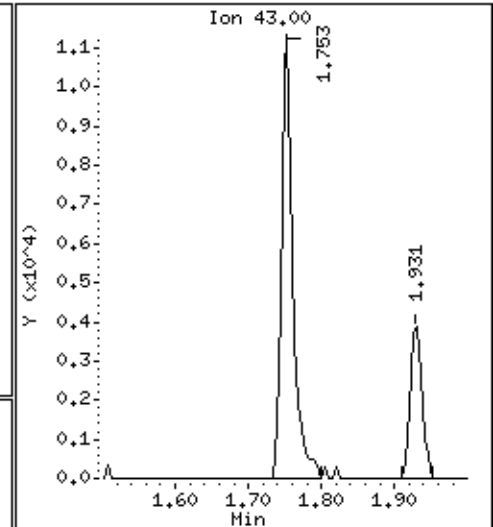
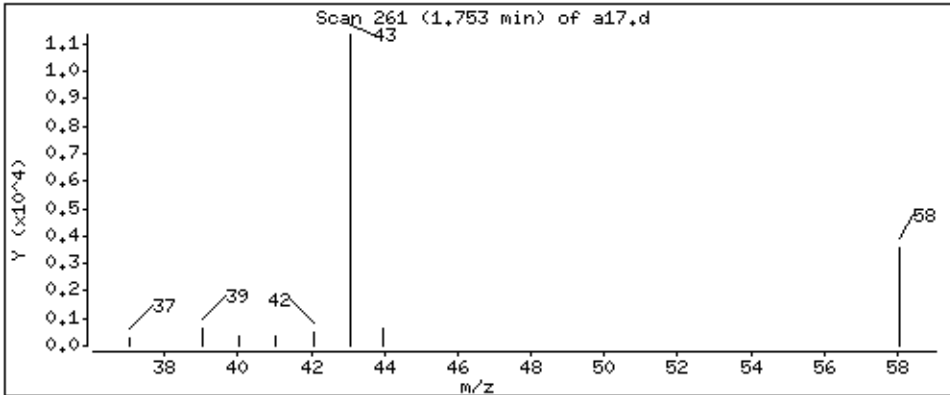
Operator: grm

Column phase: DB-624

Column diameter: 0,18

12 Acetone

Concentration: 80,1 ppb



Date : 02-JUL-2014 20:18

Client ID: THW-3 (8-9)

Instrument: 50mv1a.i

Sample Info: 5099627014

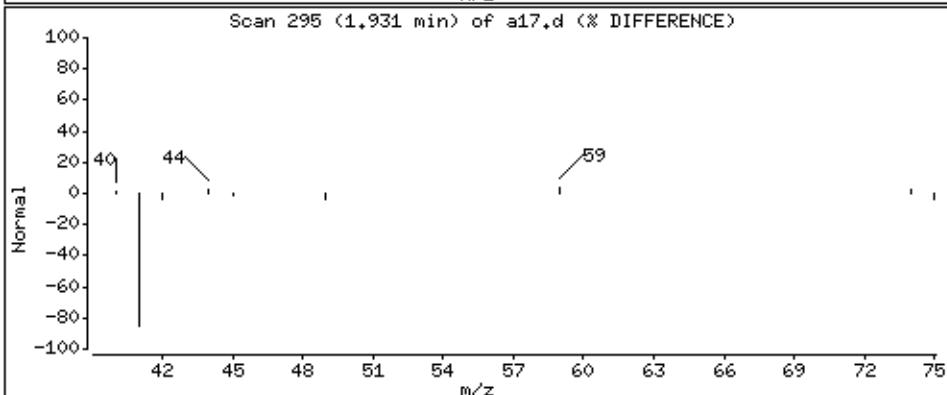
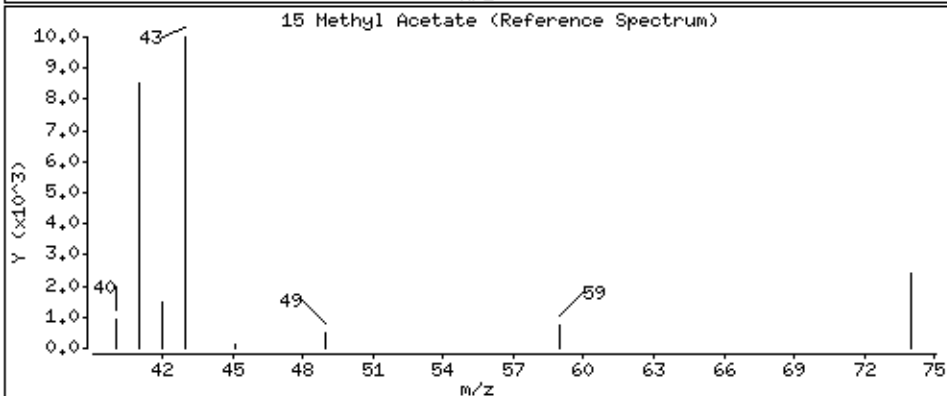
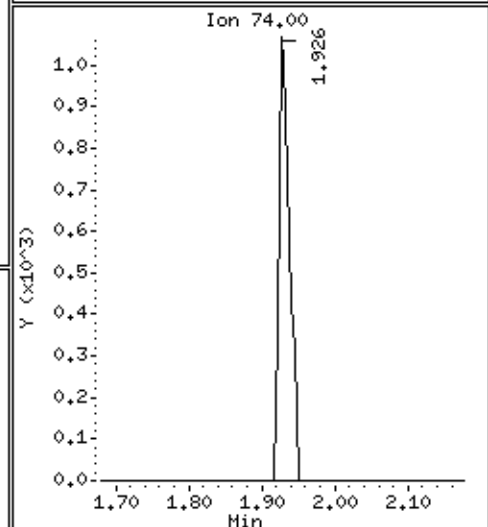
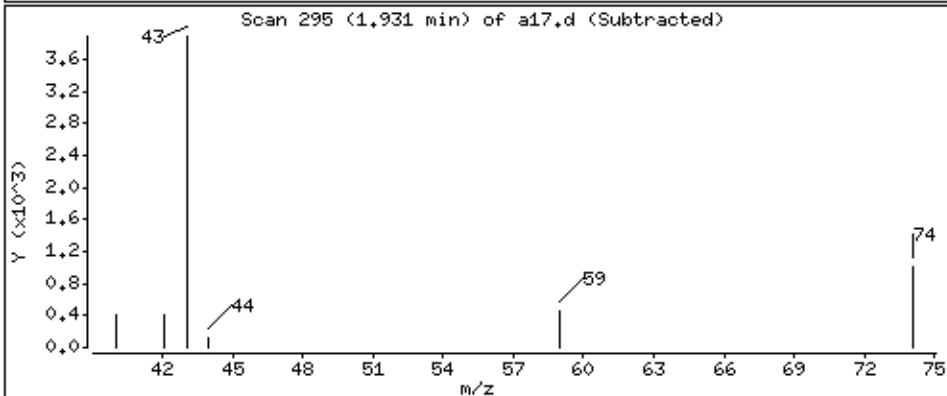
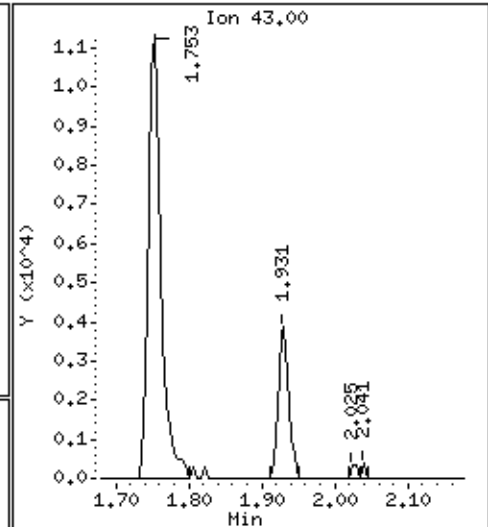
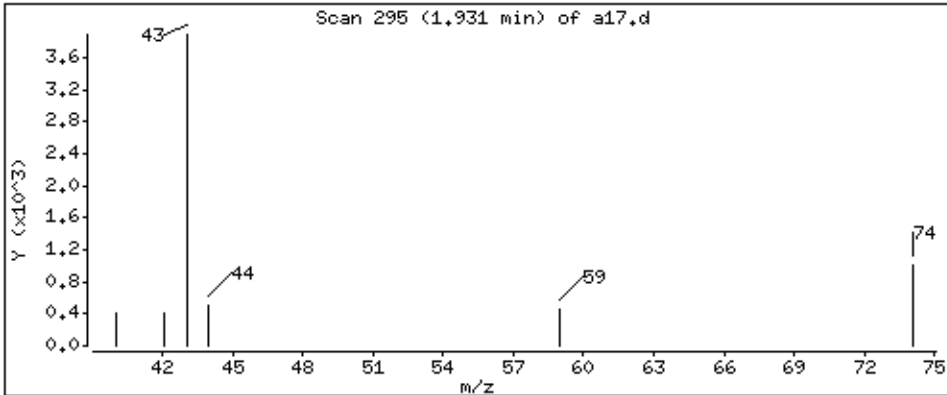
Operator: grm

Column phase: DB-624

Column diameter: 0,18

15 Methyl Acetate

Concentration: 10,8 ppb



Date : 02-JUL-2014 20:18

Client ID: THW-3 (8-9)

Instrument: 50mv1a.i

Sample Info: 5099627014

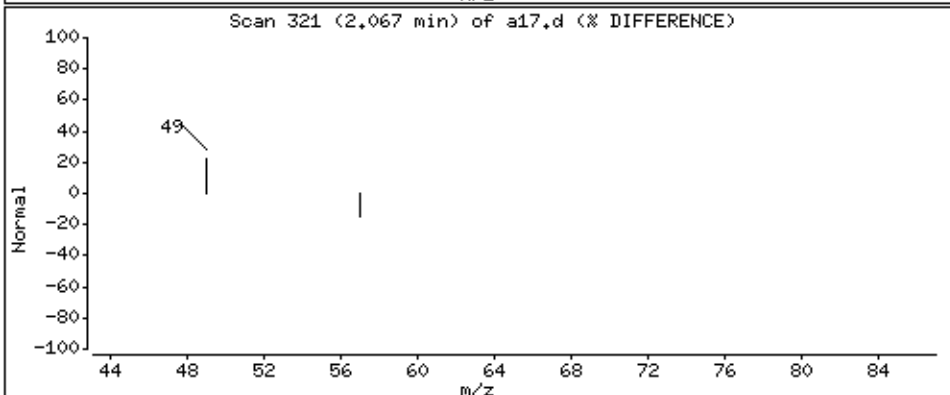
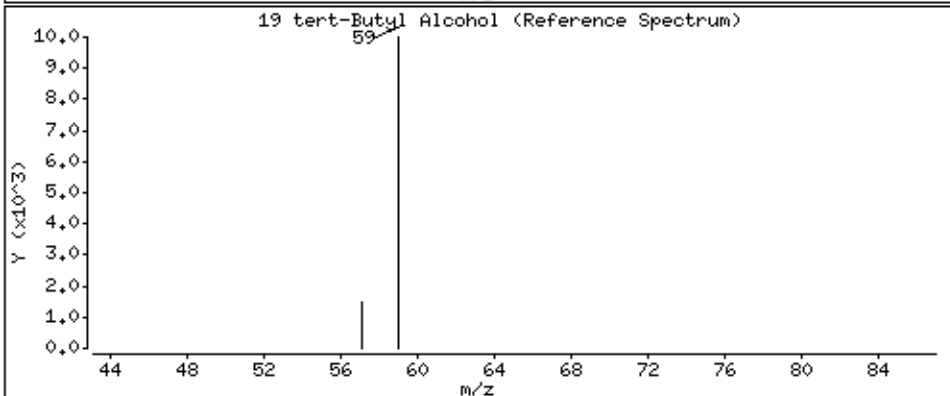
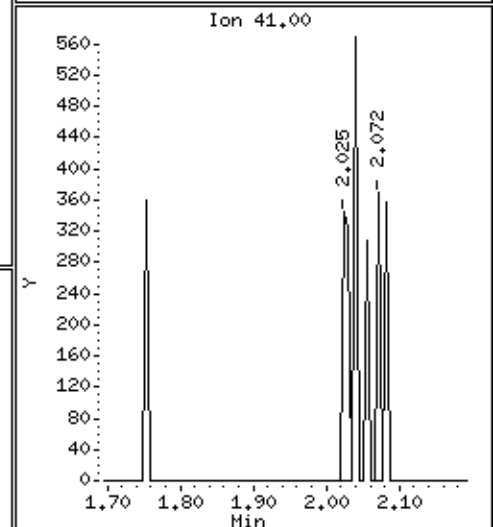
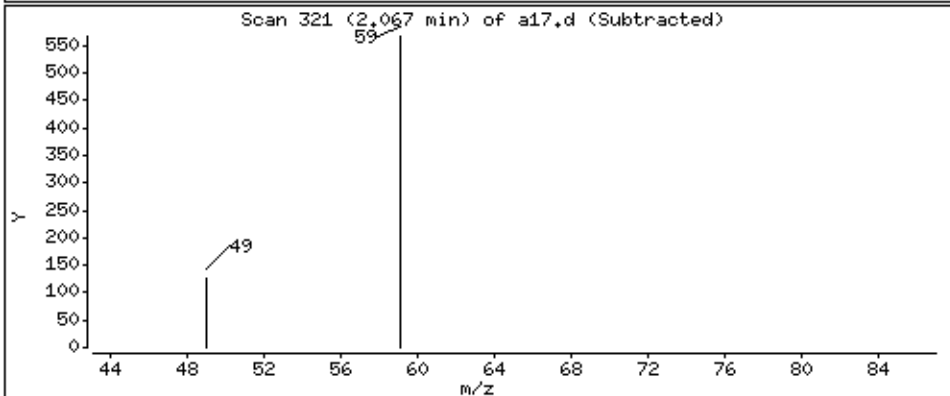
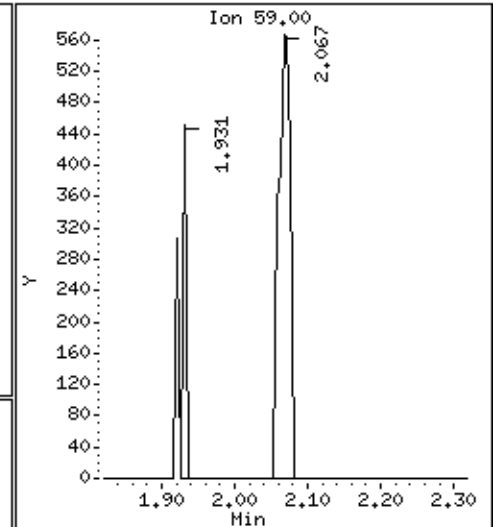
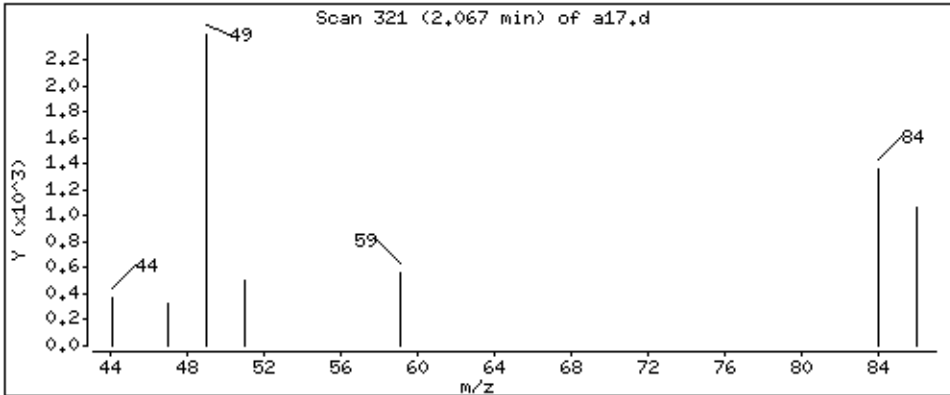
Operator: grm

Column phase: DB-624

Column diameter: 0,18

19 tert-Butyl Alcohol

Concentration: 19.3 ppb



Date : 02-JUL-2014 20:18

Client ID: THW-3 (8-9)

Instrument: 50mv1a.i

Sample Info: 5099627014

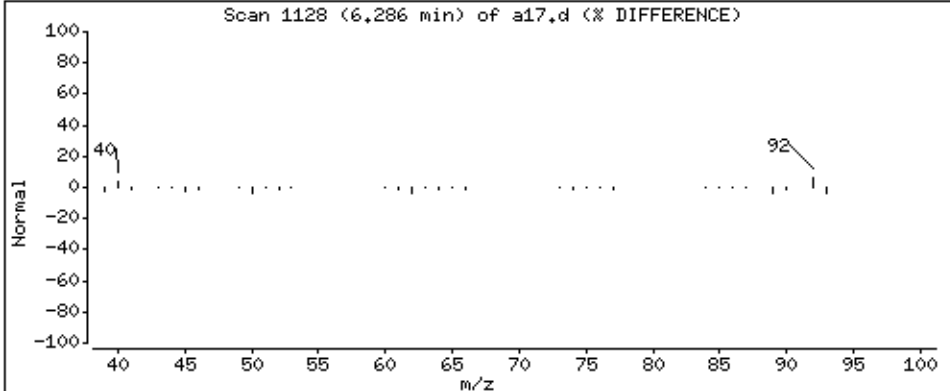
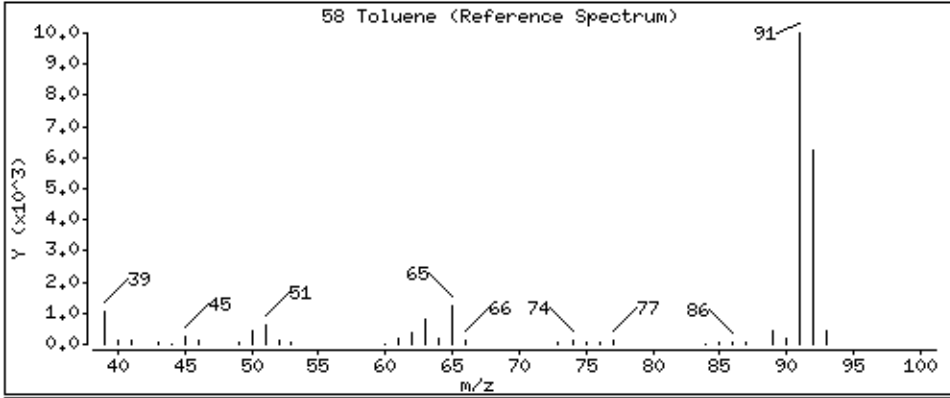
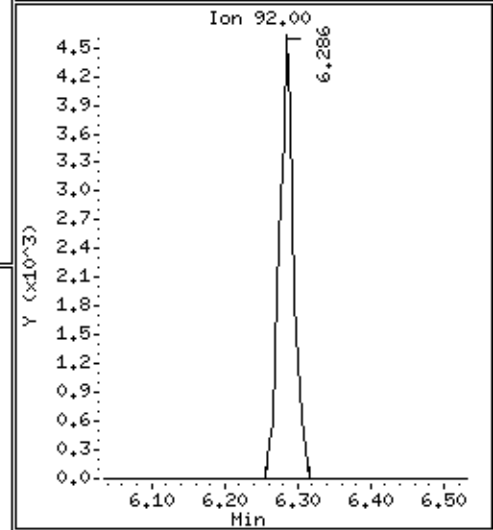
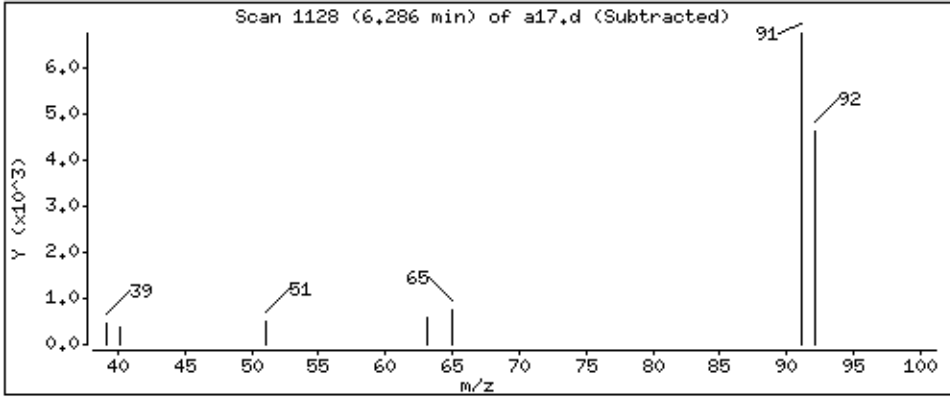
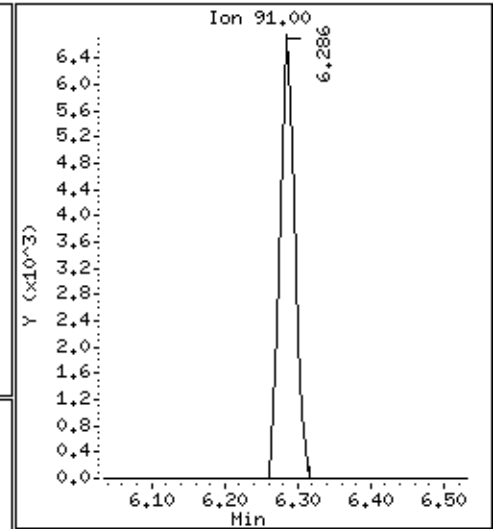
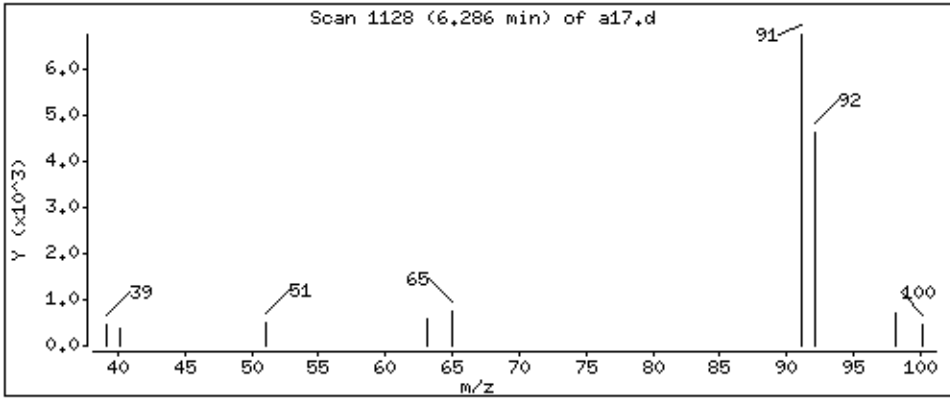
Operator: grm

Column phase: DB-624

Column diameter: 0,18

58 Toluene

Concentration: 1.46 ppb



Date : 02-JUL-2014 20:18

Client ID: THW-3 (8-9)

Instrument: 50mv1a.i

Sample Info: 5099627014

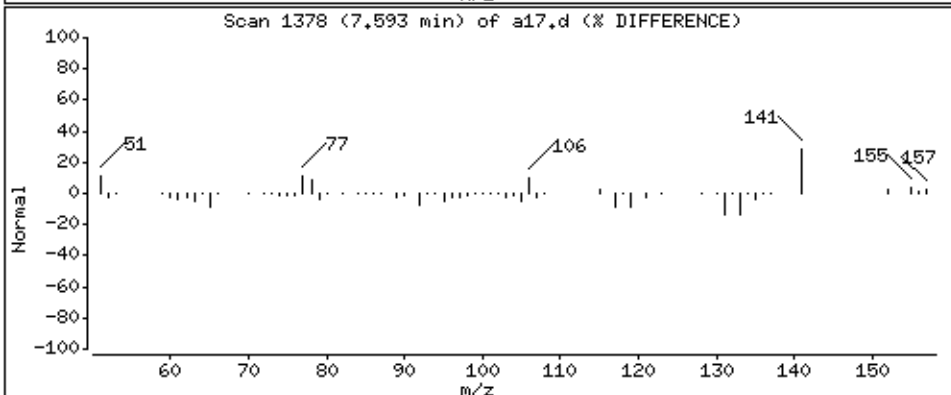
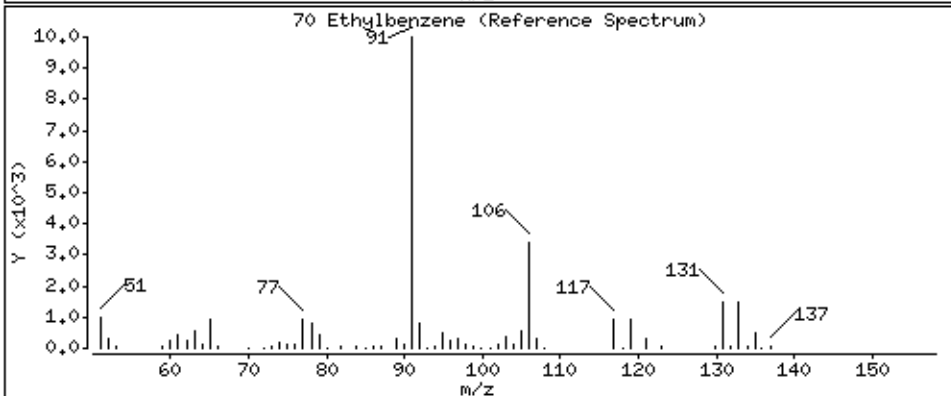
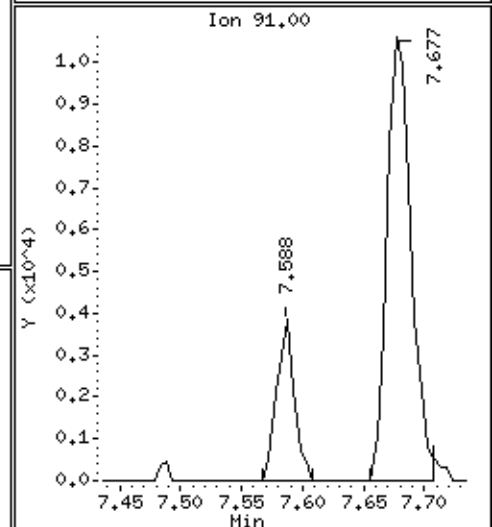
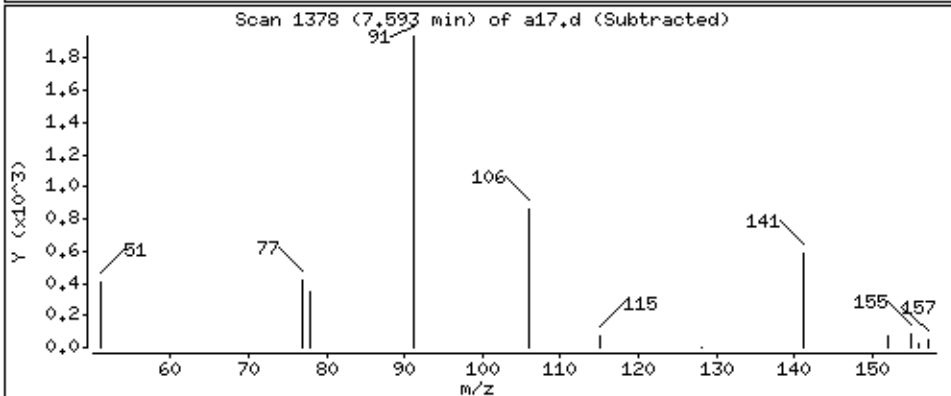
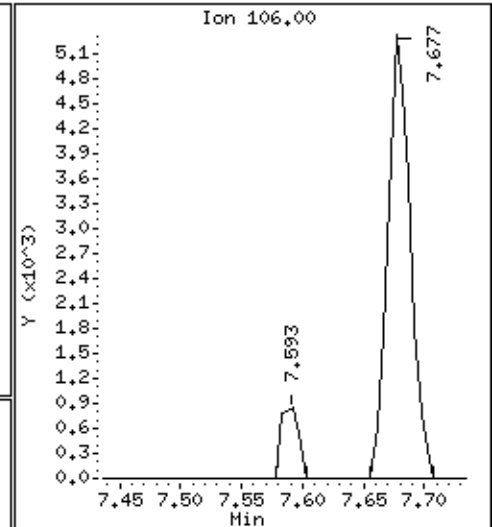
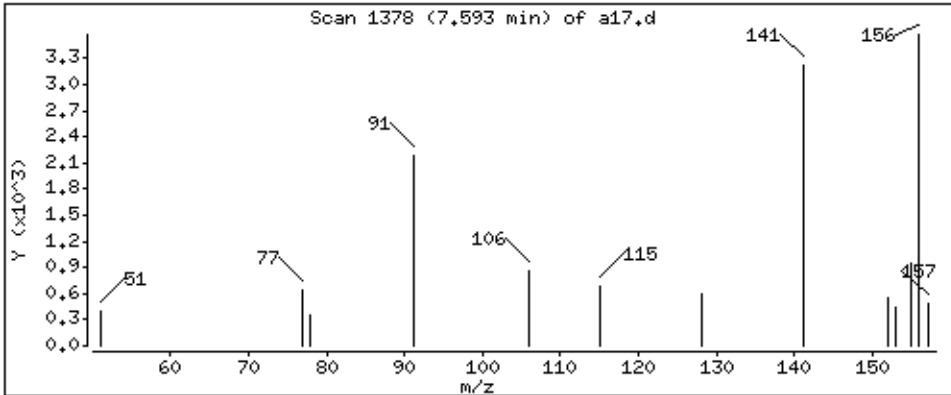
Operator: grm

Column phase: DB-624

Column diameter: 0,18

70 Ethylbenzene

Concentration: 0,352 ppb



Date : 02-JUL-2014 20:18

Client ID: THW-3 (8-9)

Instrument: 50mv1a.i

Sample Info: 5099627014

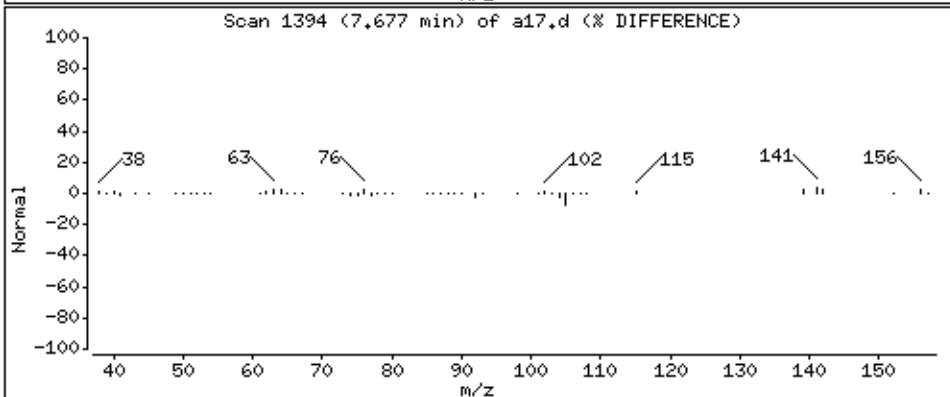
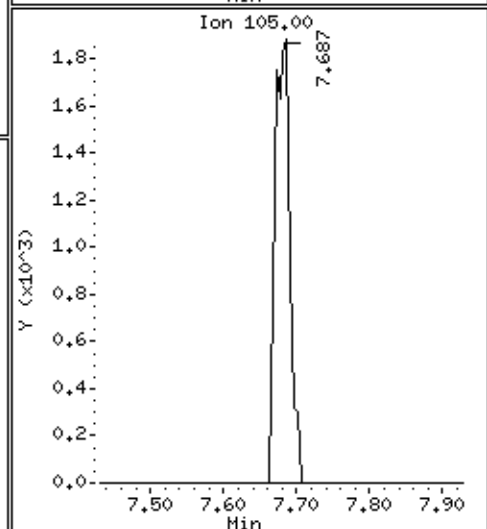
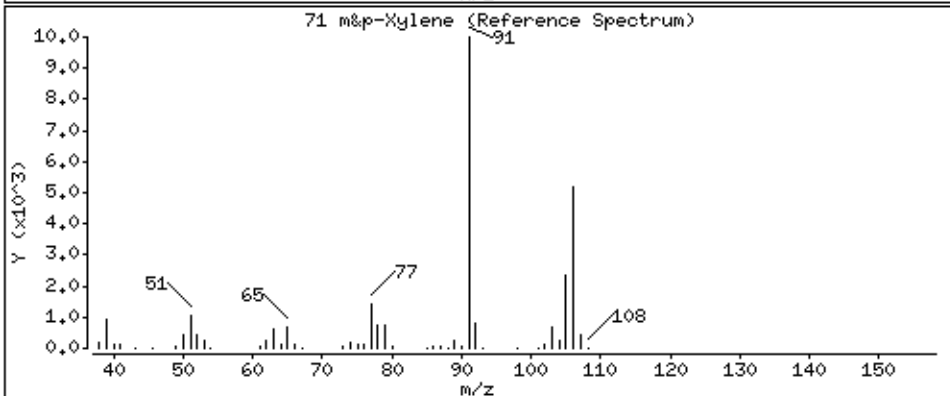
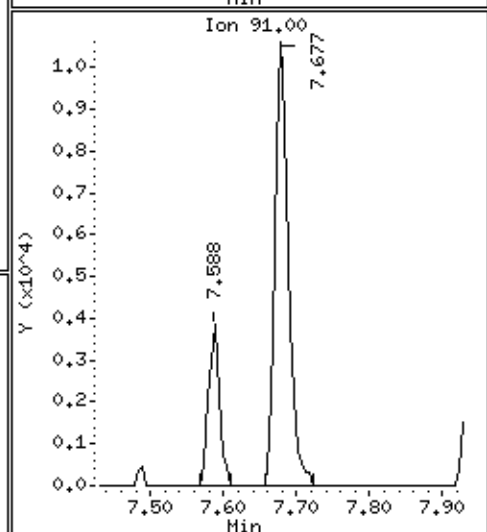
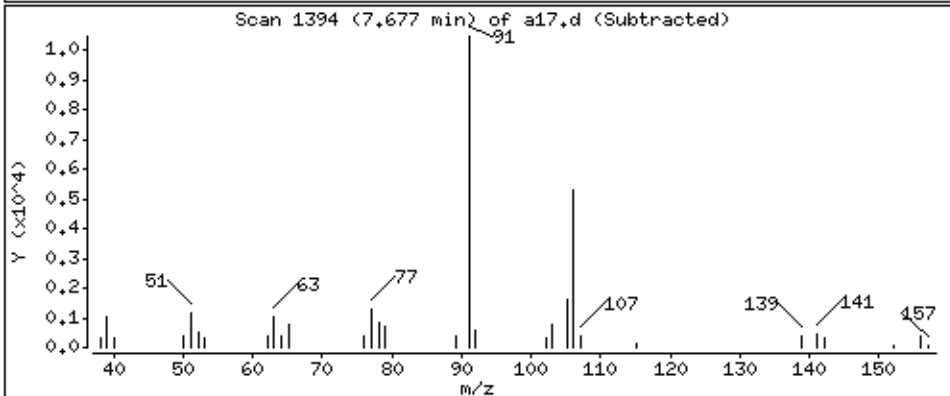
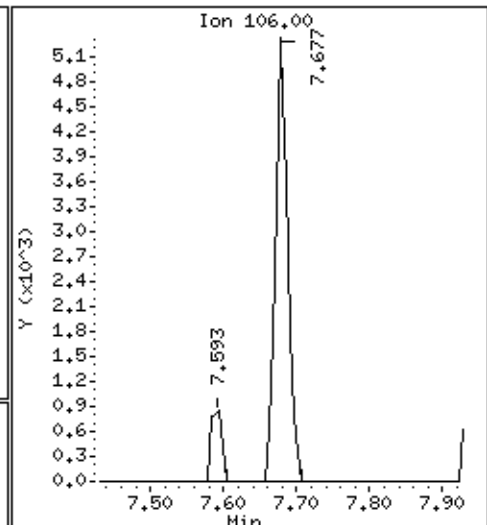
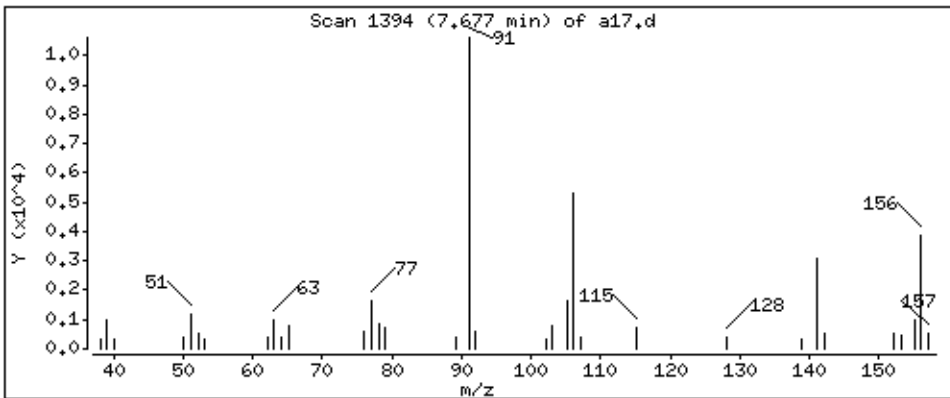
Operator: grm

Column phase: DB-624

Column diameter: 0,18

71 m&p-Xylene

Concentration: 2,23 ppb



Date : 02-JUL-2014 20:18

Client ID: THW-3 (8-9)

Instrument: 50mv1a.i

Sample Info: 5099627014

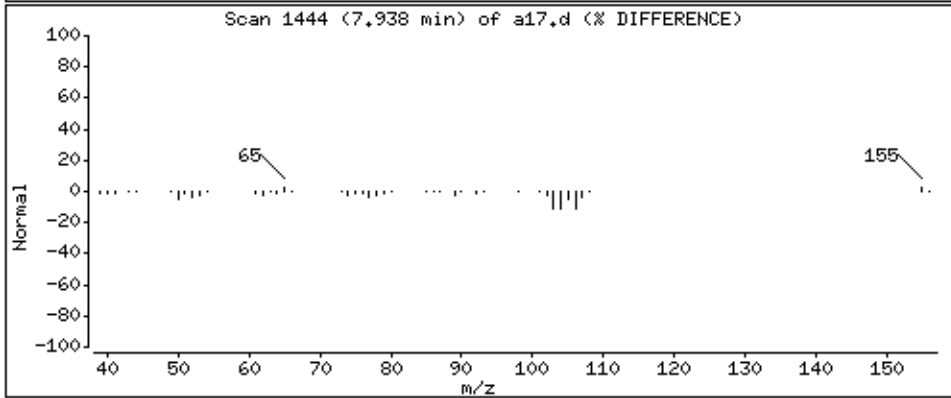
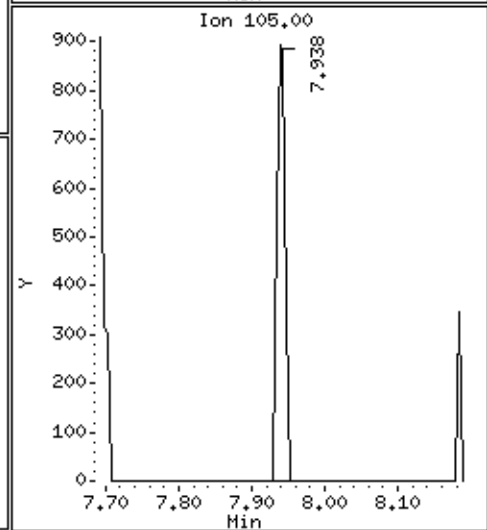
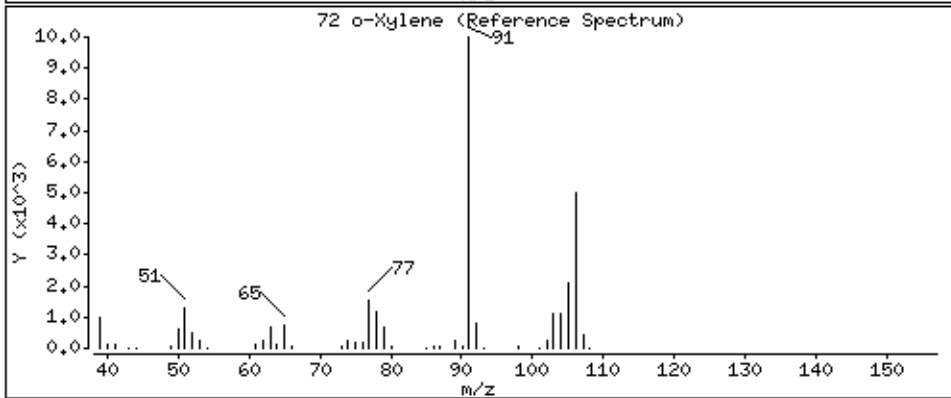
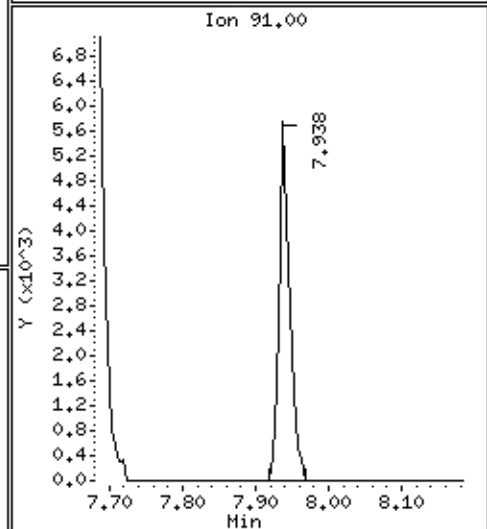
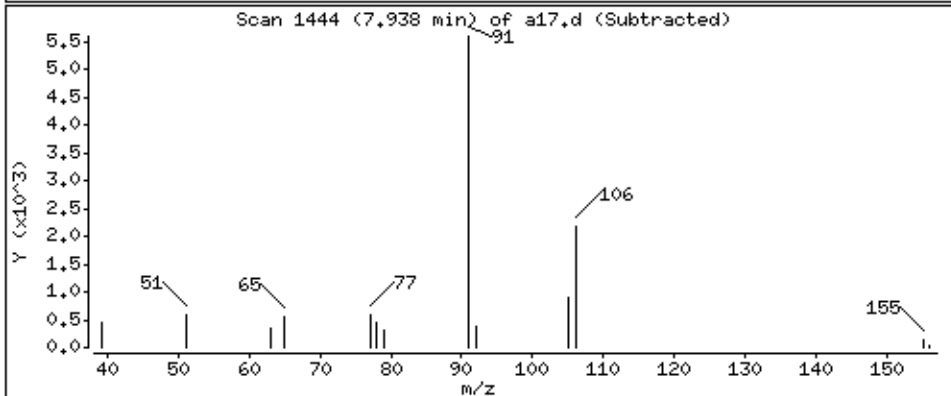
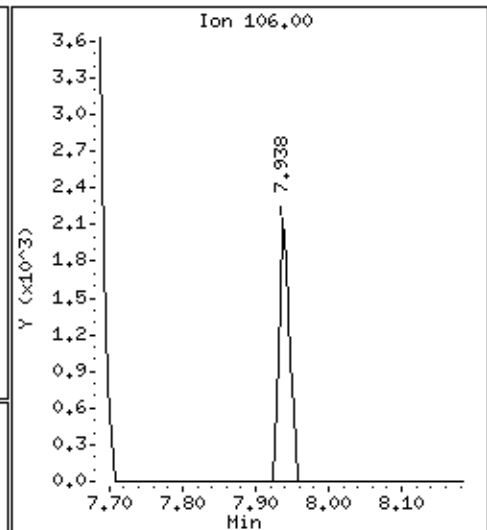
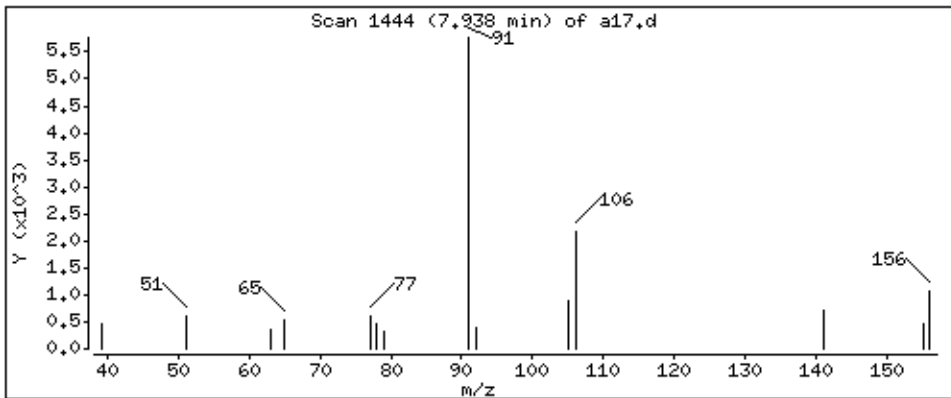
Operator: grm

Column phase: DB-624

Column diameter: 0,18

72 o-Xylene

Concentration: 0,829 ppb



Date : 02-JUL-2014 20:18

Client ID: THW-3 (8-9)

Instrument: 50mv1a.i

Sample Info: 5099627014

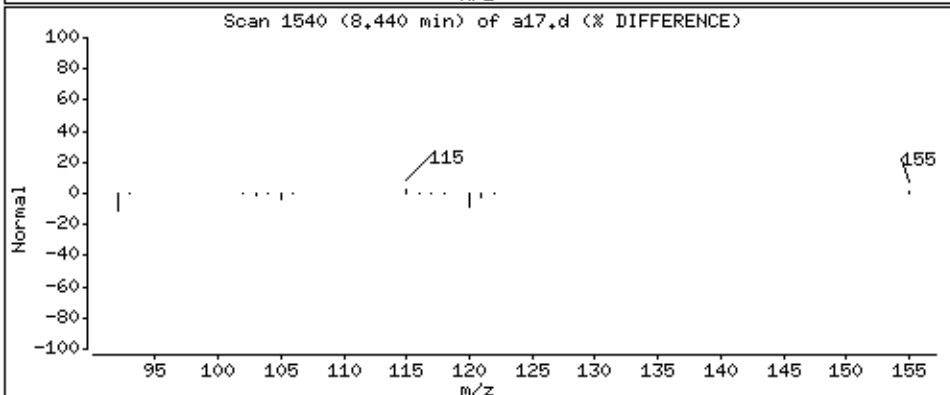
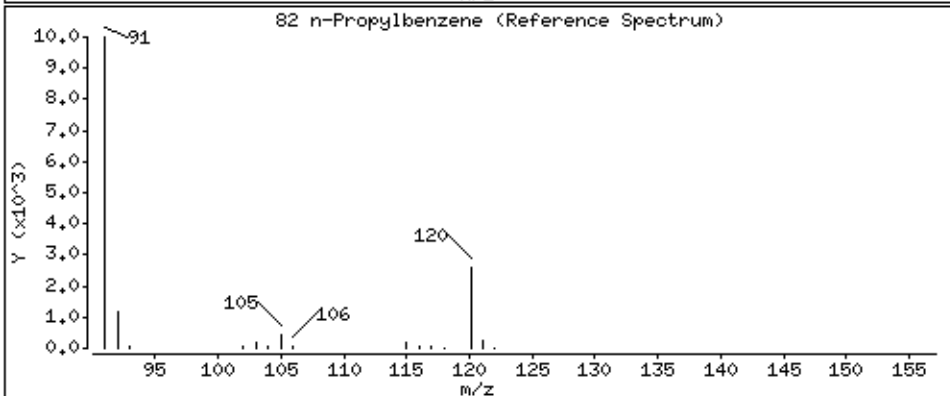
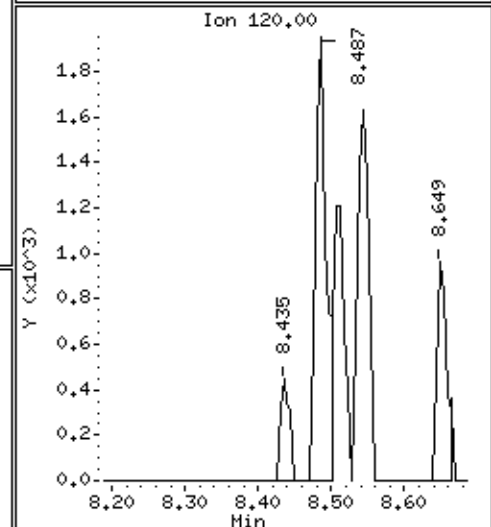
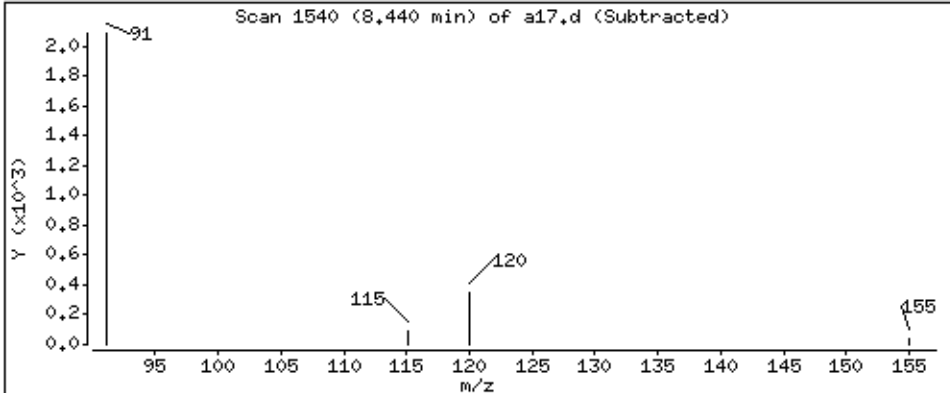
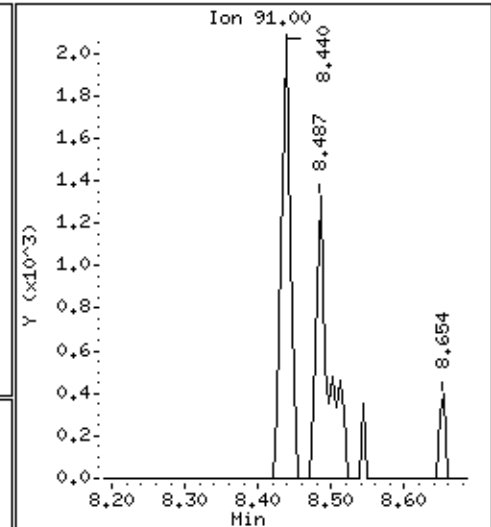
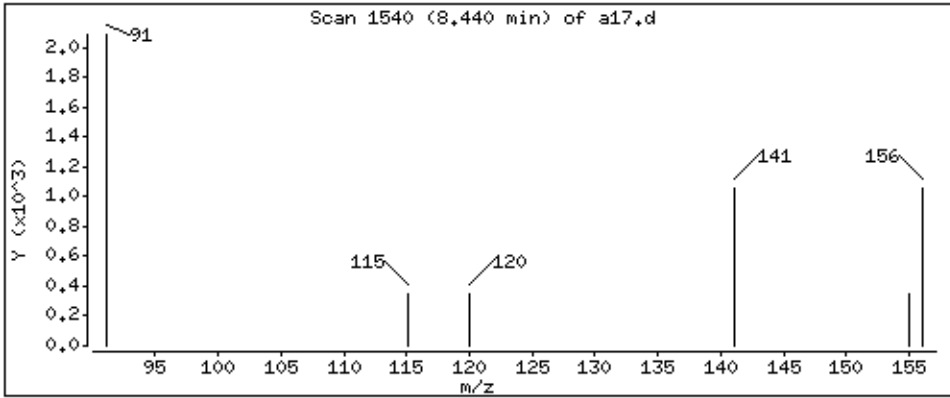
Operator: grm

Column phase: DB-624

Column diameter: 0,18

82 n-Propylbenzene

Concentration: 0,199 ppb



Date : 02-JUL-2014 20:18

Client ID: THW-3 (8-9)

Instrument: 50mv1a.i

Sample Info: 5099627014

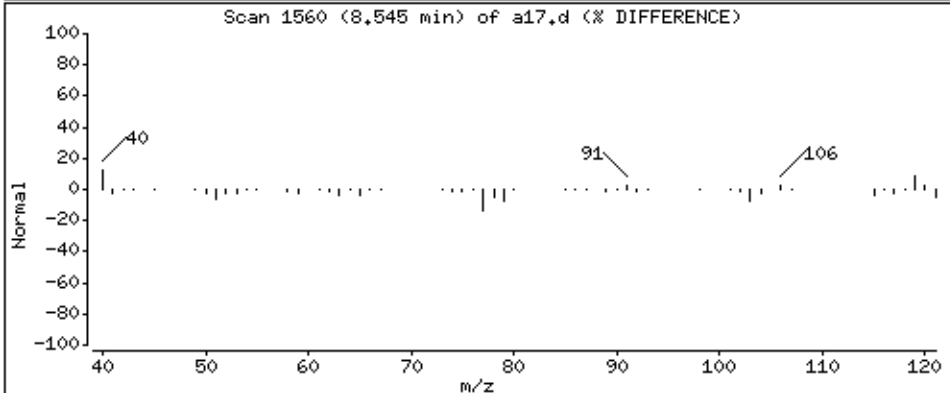
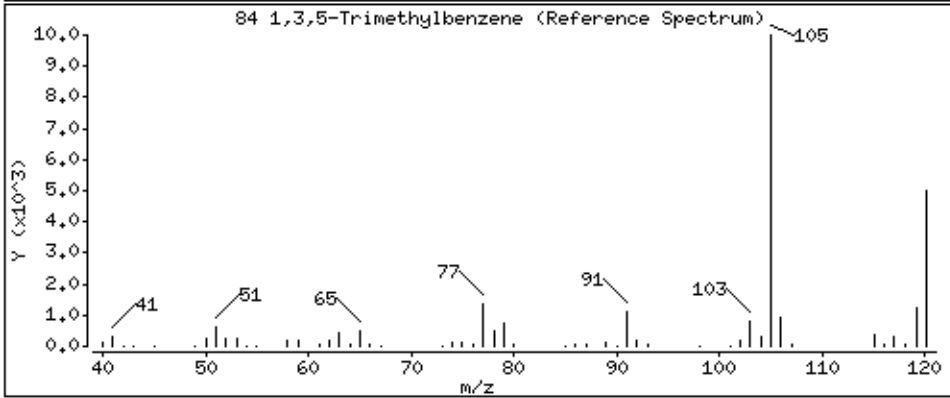
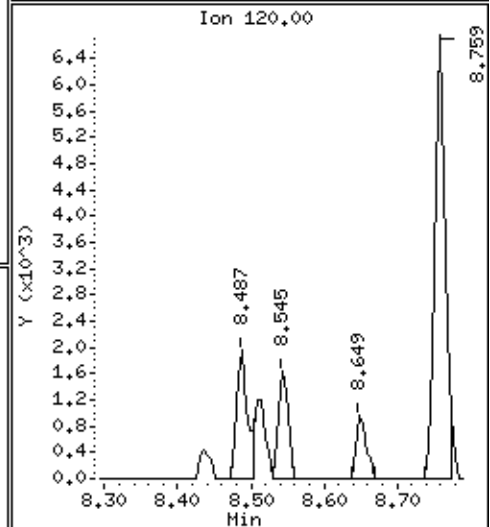
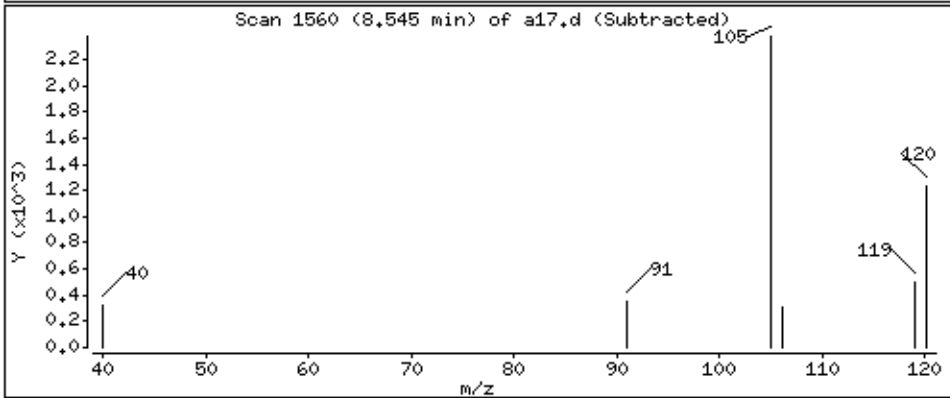
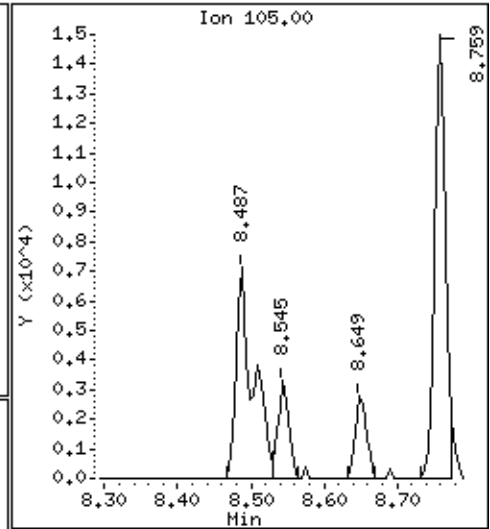
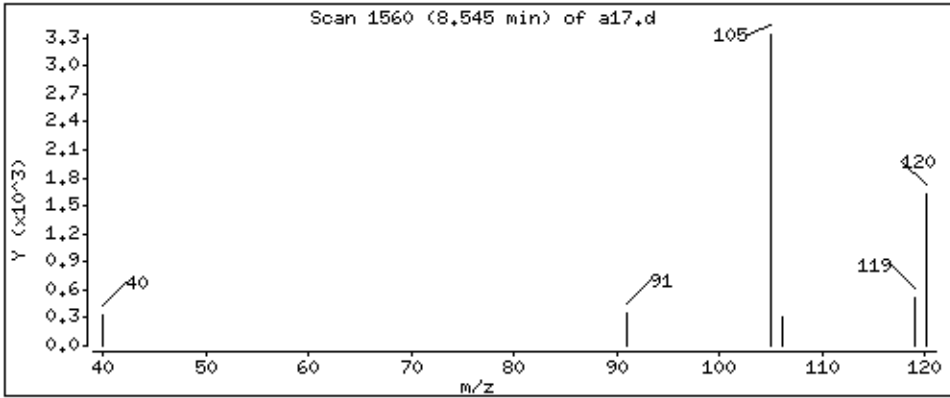
Operator: grm

Column phase: DB-624

Column diameter: 0,18

84 1,3,5-Trimethylbenzene

Concentration: 0,520 ppb



Date : 02-JUL-2014 20:18

Client ID: THW-3 (8-9)

Instrument: 50mv1a.i

Sample Info: 5099627014

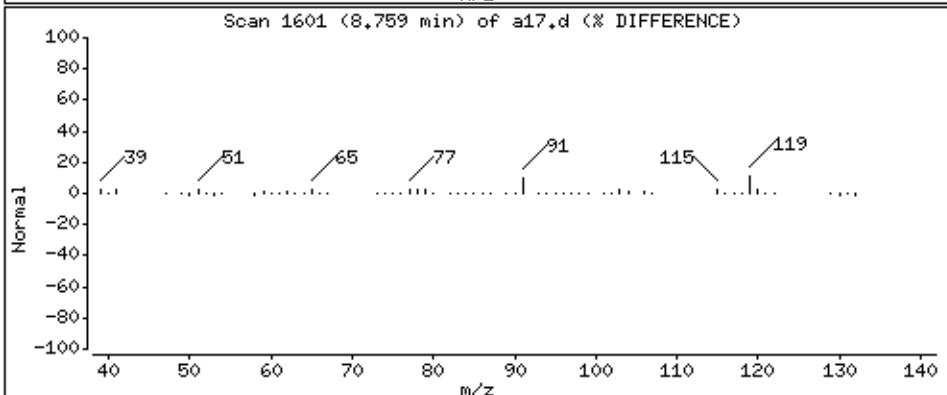
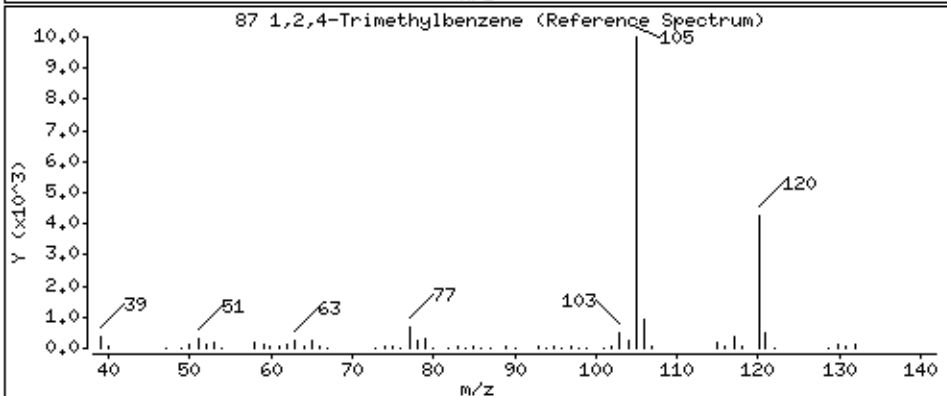
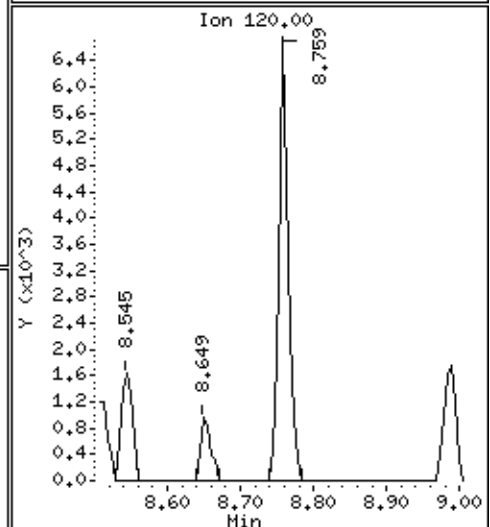
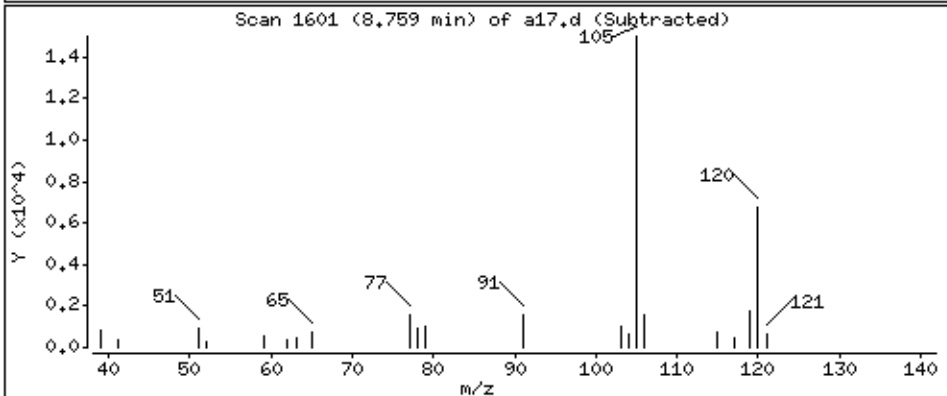
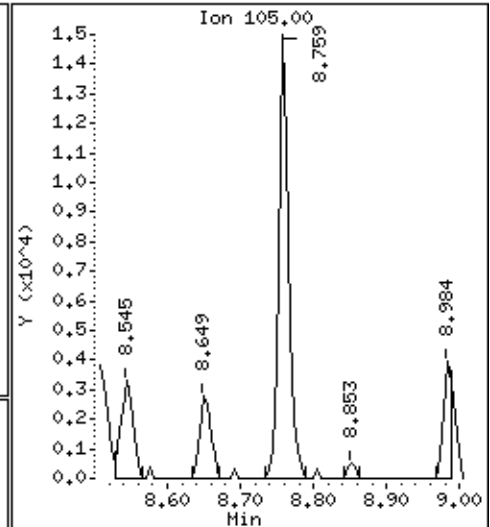
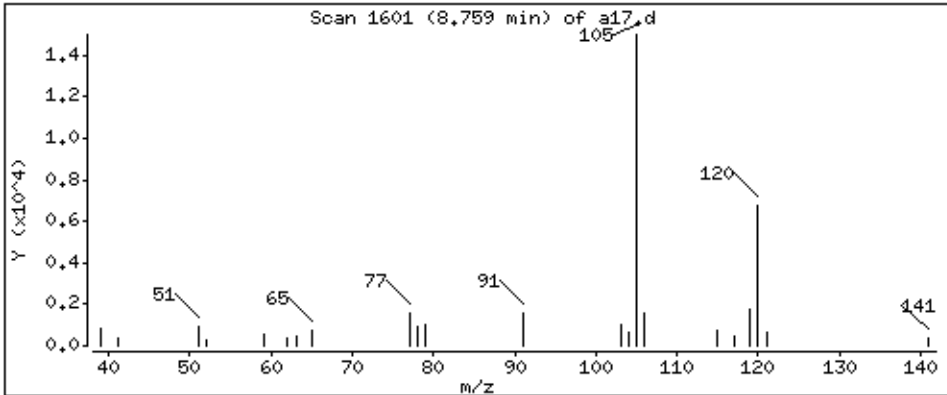
Operator: grm

Column phase: DB-624

Column diameter: 0,18

87 1,2,4-Trimethylbenzene

Concentration: 2,20 ppb



Date : 02-JUL-2014 20:18

Client ID: THW-3 (8-9)

Instrument: 50mv1a.i

Sample Info: 5099627014

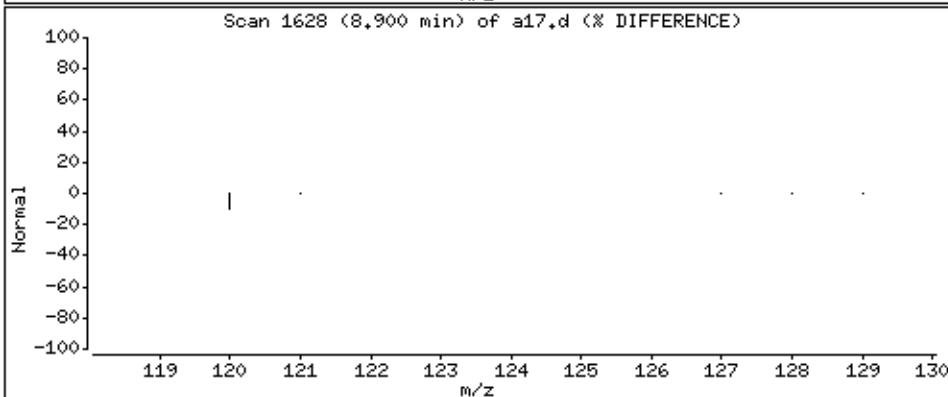
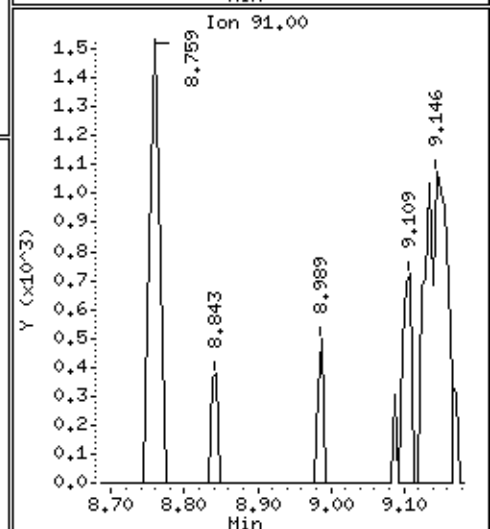
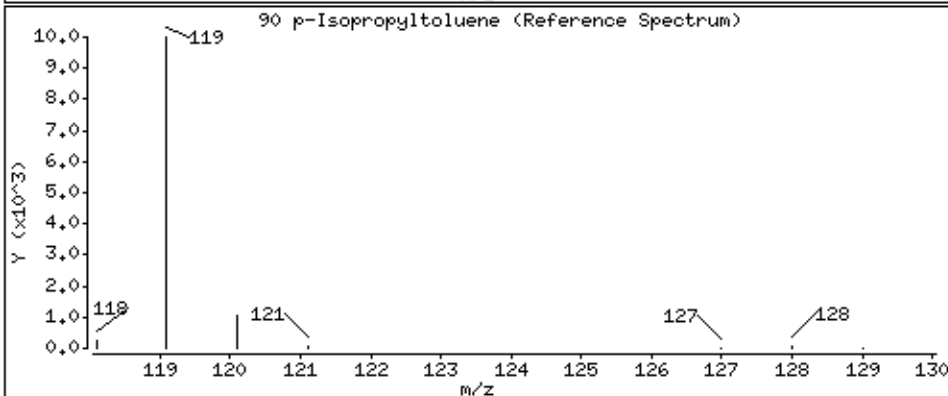
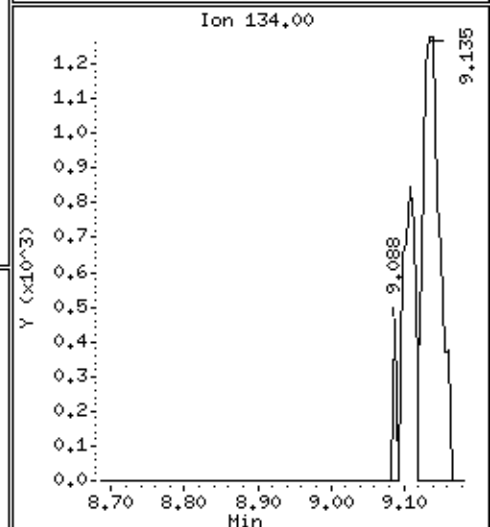
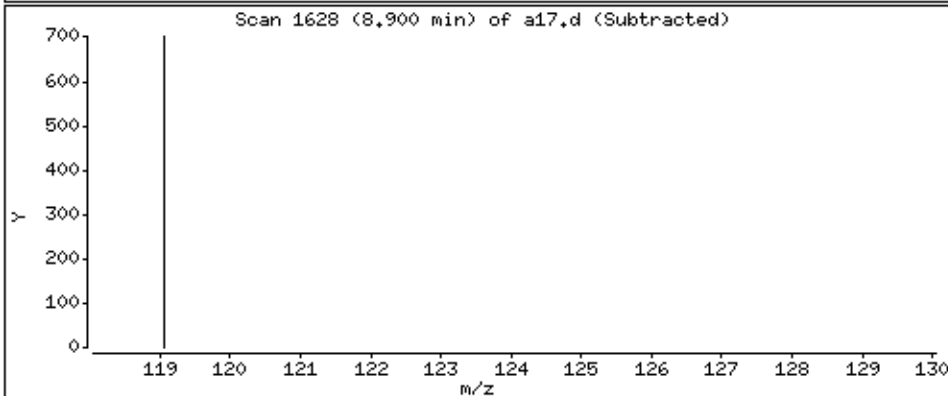
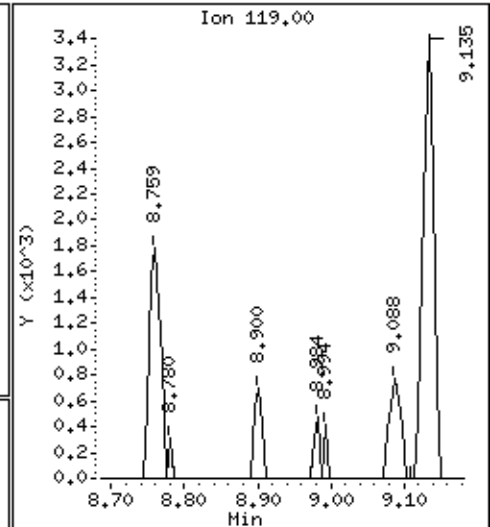
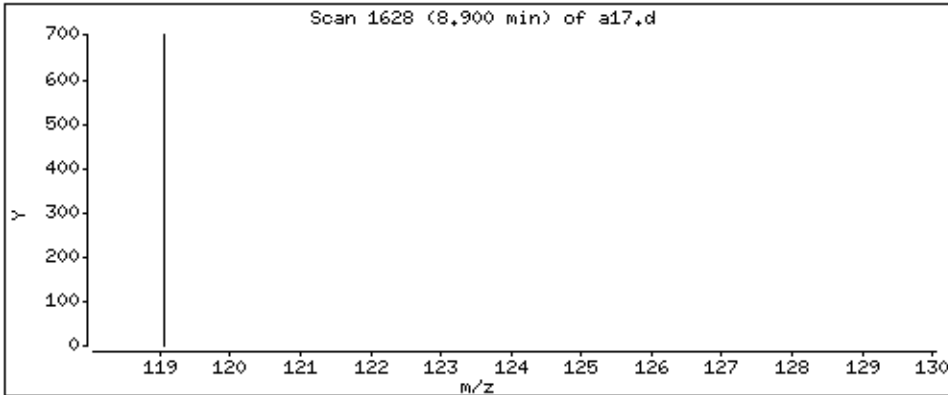
Operator: grm

Column phase: DB-624

Column diameter: 0,18

90 p-Isopropyltoluene

Concentration: 0,0633 ppb



Date : 02-JUL-2014 20:18

Client ID: THW-3 (8-9)

Instrument: 50mv1a.i

Sample Info: 5099627014

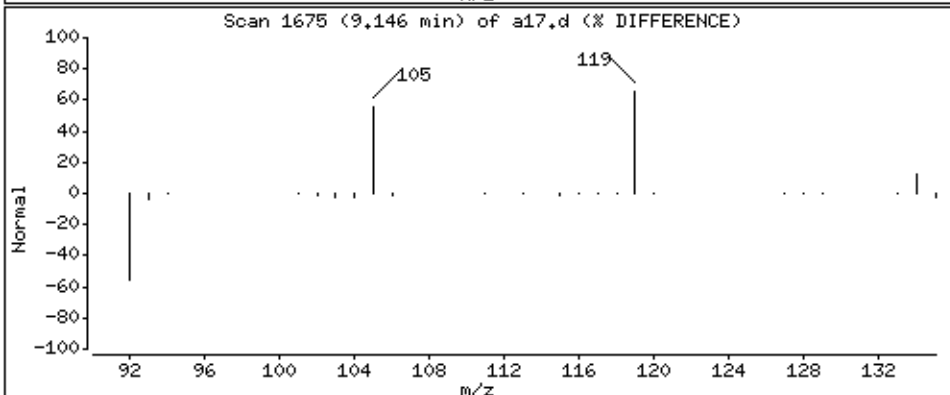
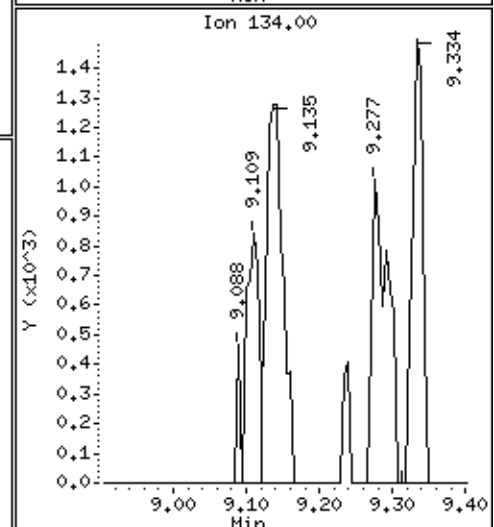
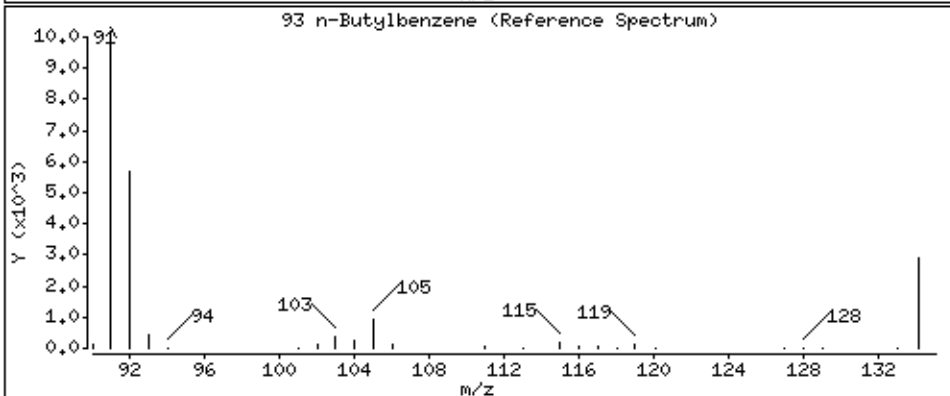
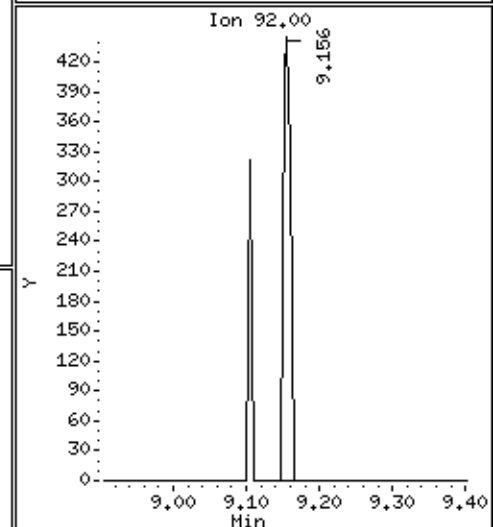
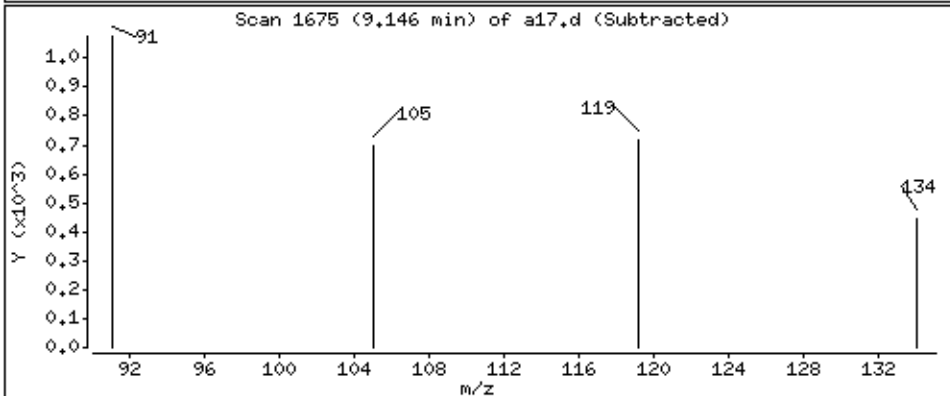
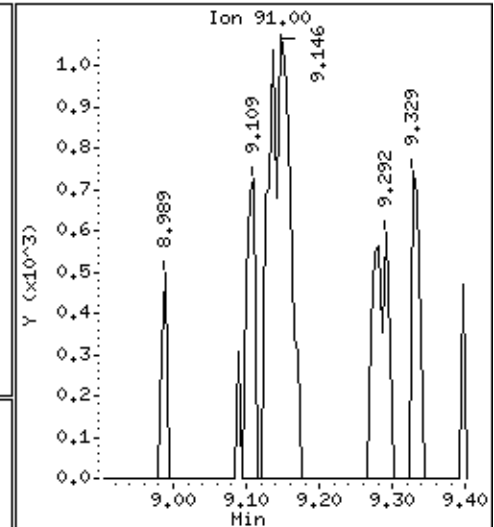
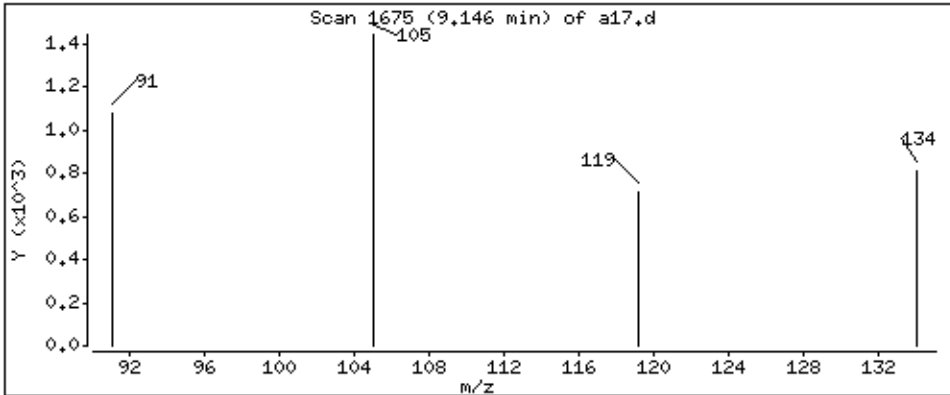
Operator: grm

Column phase: DB-624

Column diameter: 0,18

93 n-Butylbenzene

Concentration: 0,279 ppb



Date : 02-JUL-2014 20:18

Client ID: THW-3 (8-9)

Instrument: 50mv1a.i

Sample Info: 5099627014

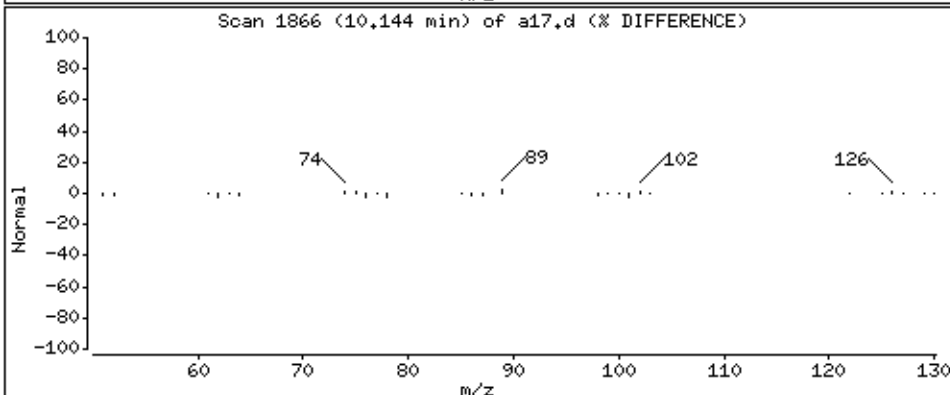
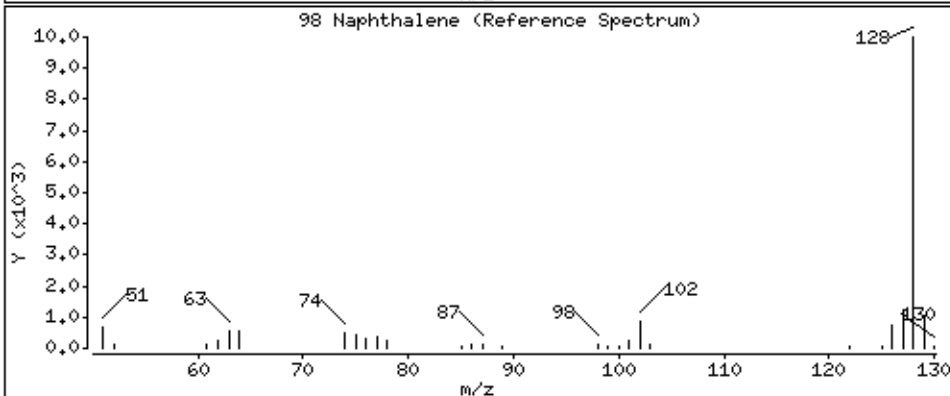
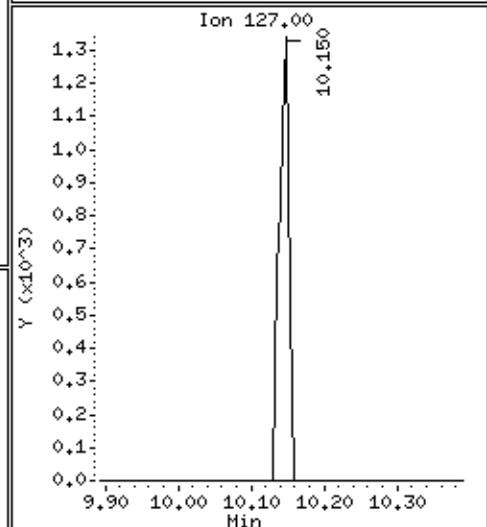
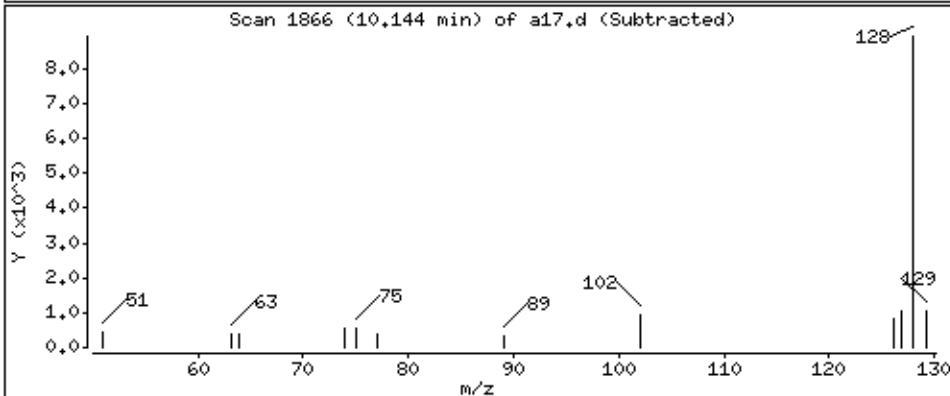
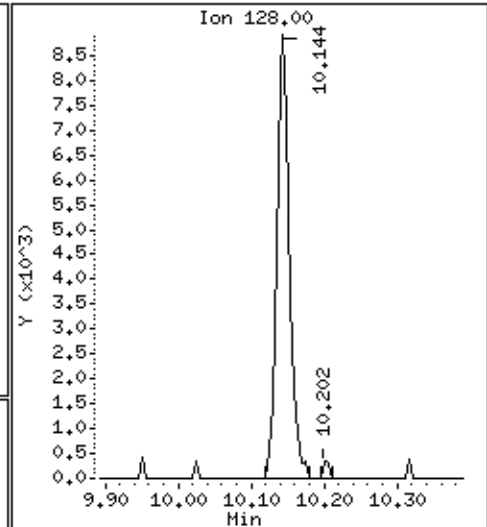
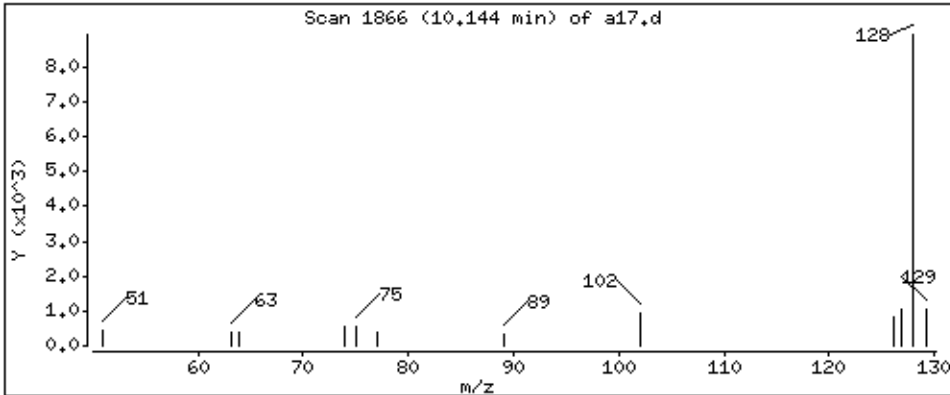
Operator: grm

Column phase: DB-624

Column diameter: 0,18

98 Naphthalene

Concentration: 3,38 ppb



Date : 02-JUL-2014 20:18

Client ID: THW-3 (8-9)

Instrument: 50mv1a.i

Sample Info: 5099627014

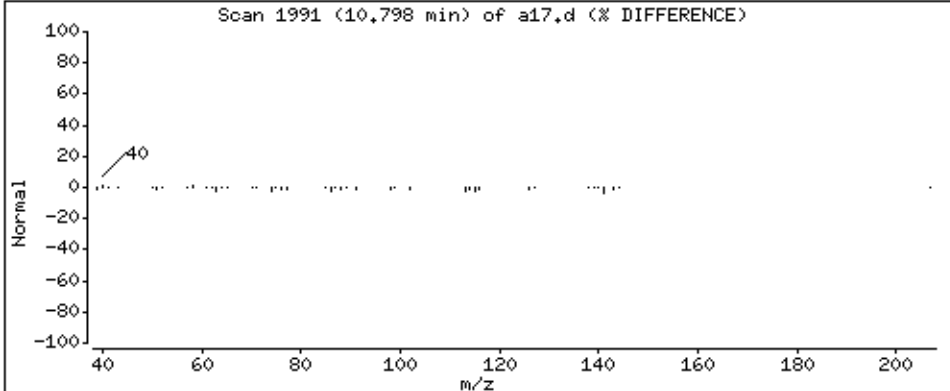
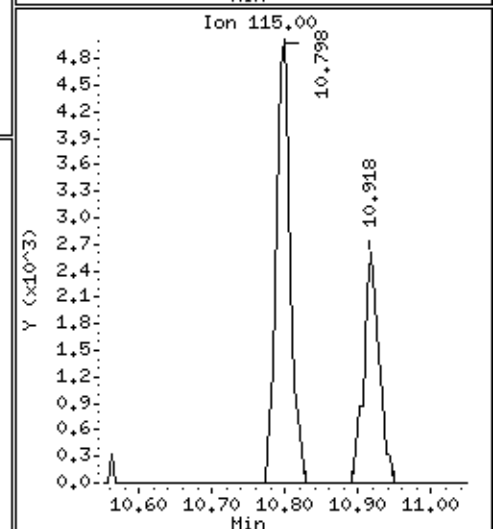
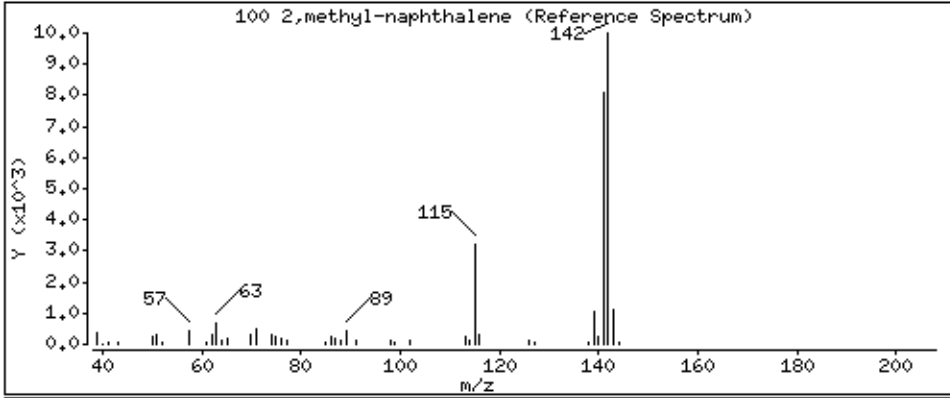
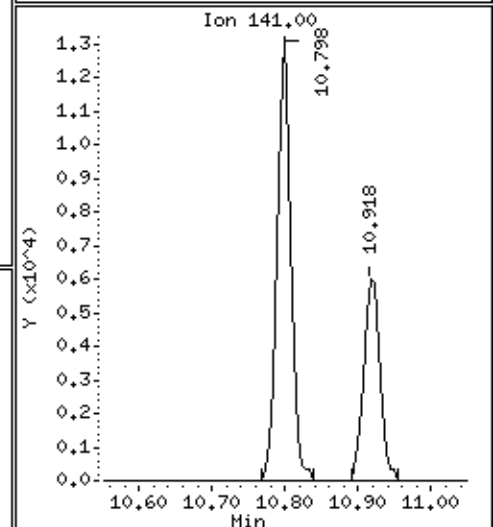
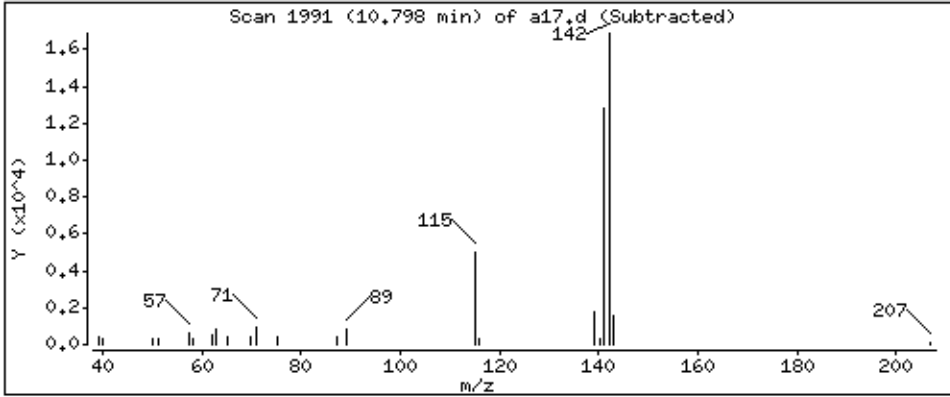
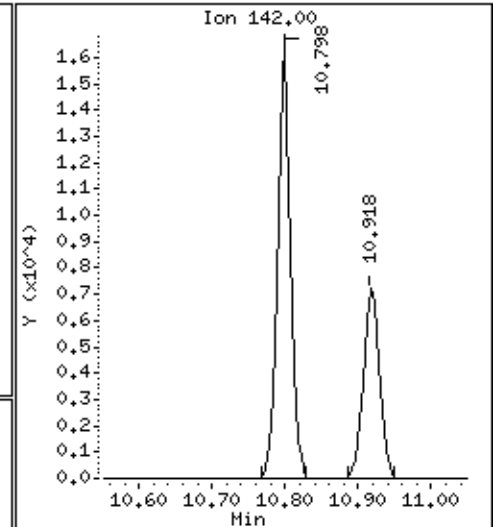
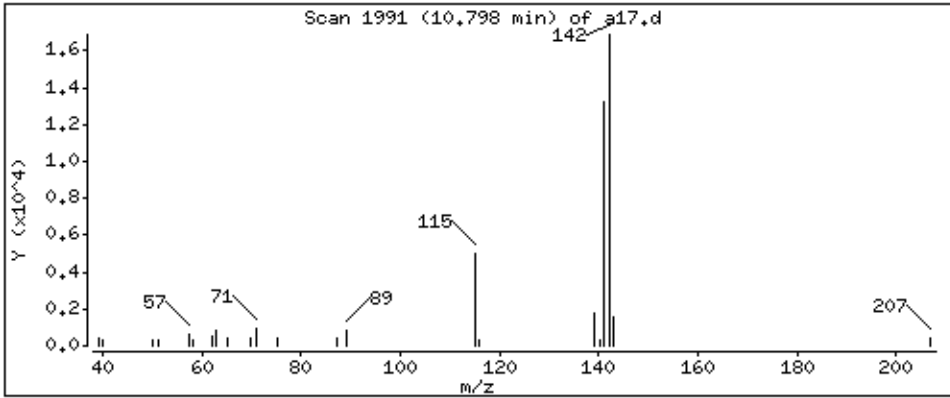
Operator: grm

Column phase: DB-624

Column diameter: 0,18

100 2,methyl-naphthalene

Concentration: 9,56 ppb



Date : 02-JUL-2014 20:18

Client ID: THW-3 (8-9)

Instrument: 50mv1a.i

Sample Info: 5099627014

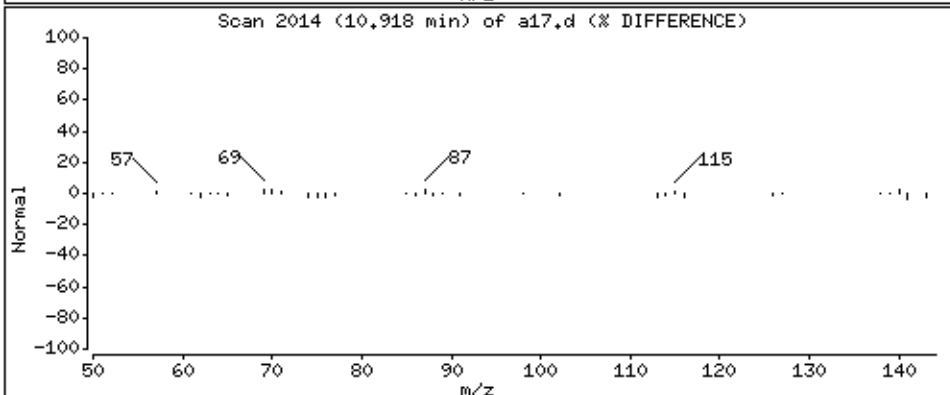
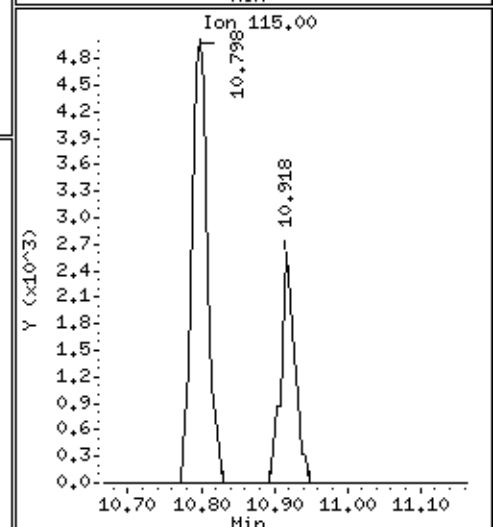
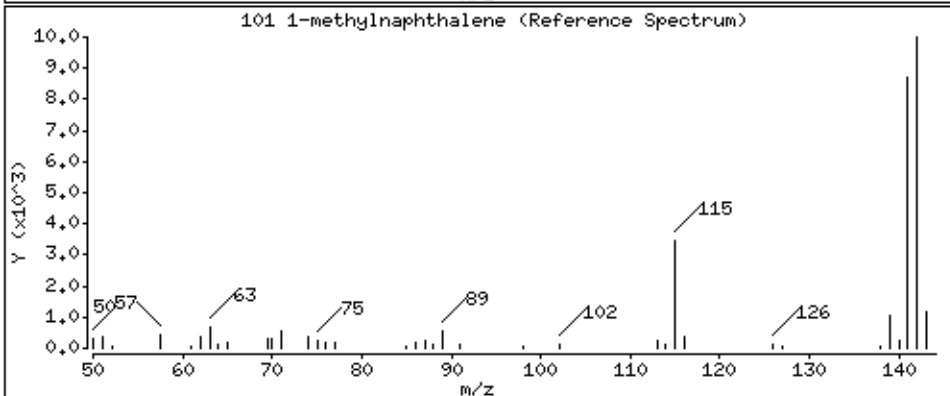
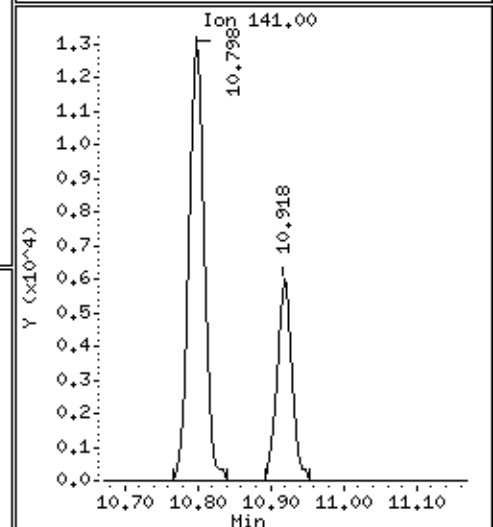
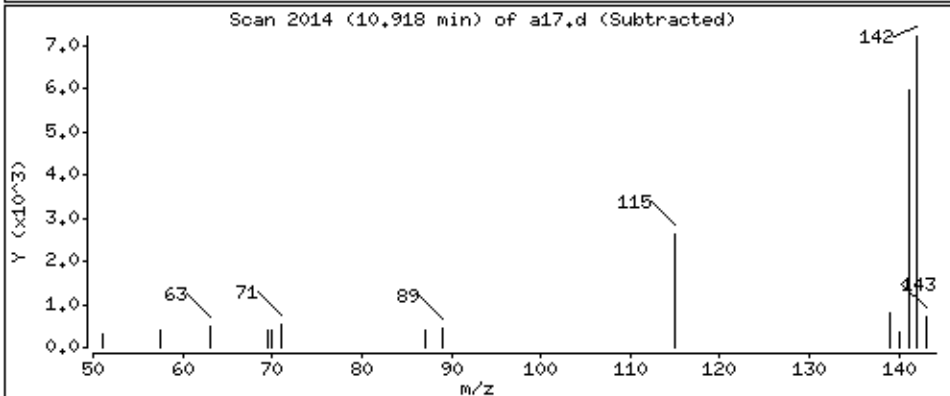
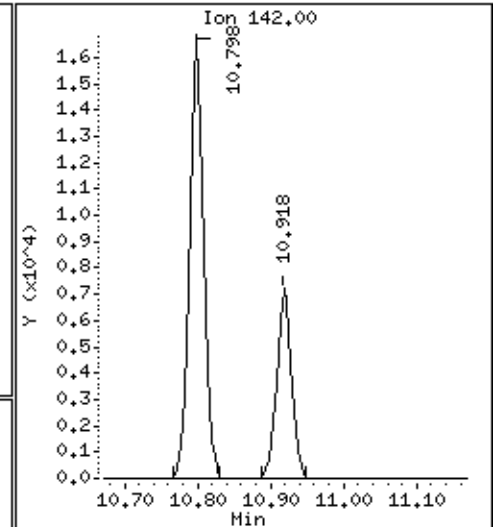
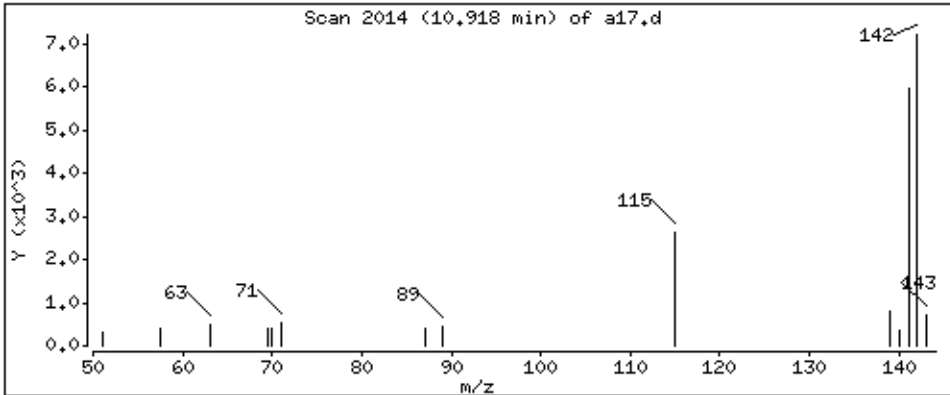
Operator: grm

Column phase: DB-624

Column diameter: 0,18

101 1-methylnaphthalene

Concentration: 5,86 ppb



Data File: \\192.168.50.6\chem\50mv1a.i\a070214.b/a17.d
Injection Date: 02-JUL-2014 20:18
Instrument: 50mv1a.i
Lab Sample ID: 5099627014
NO SIGNAL MANUAL INTEGRATIONS DONE FOR THIS DATA FILE

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

SAMPLE NO.

P-9 (2-4)

Lab Name: Pace Analytical - Indiana
Date Received: 06/20/2014 10:42
Date Extracted: 07/02/2014 20:51
Date Analyzed: 07/02/2014 20:51
Initial wt/vol: 5.802 g Final wt/vol: 5 mL Dilution: 1

Contract: Sibley - Accucast
Matrix: Solid SDG No.: 5099627
Lab Sample ID: 5099627015
Lab File ID: A070214.BVA18.D
Instrument: 50MV1A Percent Moisture: 18.7%

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

07/17/2014 9:25

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

SAMPLE NO.

P-9 (2-4)

Lab Name: Pace Analytical - Indiana
Date Received: 06/20/2014 10:42
Date Extracted: 07/02/2014 20:51
Date Analyzed: 07/02/2014 20:51
Initial wt/vol: 5.802 g Final wt/vol: 5 mL Dilution: 1

Contract: Sibley - Accucast
Matrix: Solid SDG No.: 5099627
Lab Sample ID: 5099627015
Lab File ID: A070214.BVA18.D
Instrument: 50MV1A Percent Moisture: 18.7%

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

07/17/2014 9:25

Pace Analytical Services, Inc.

Data file : \\192.168.50.6\chem\50mv1a.i\a070214.b\a18.d
 Lab Smp Id: 5099627015 Client Smp ID: P-9 (2-4)
 Inj Date : 02-JUL-2014 20:51
 Operator : grm Inst ID: 50mv1a.i
 Smp Info : 5099627015
 Misc Info : 66420
 Comment :
 Method : \\192.168.50.6\chem\50mv1a.i\a070214.b\a8260_a_c.m
 Meth Date : 03-Jul-2014 13:53 50mv1a.i Quant Type: ISTD
 Cal Date : 19-JUN-2014 17:44 Cal File: a08cal.d
 Als bottle: 37
 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	18.666	% 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	(ppb)	(ppb)	
\$ 38 Dibromofluoromethane (S)	113		3.589	3.585	(0.814)	63240	44.3968	54.6	
* 46 Fluorobenzene (IS)	96		4.410	4.406	(1.000)	295979	50.0000		
\$ 57 Toluene-d8	98		6.214	6.210	(0.830)	296557	50.5568	62.2	
58 Toluene	91		6.287	6.283	(0.840)	4517	0.60928	0.749	
* 67 Chlorobenzene-D5 (IS)	117		7.484	7.485	(1.000)	222462	50.0000		
71 m&p-Xylene	106		7.683	7.679	(1.027)	1990	0.62022	0.762	
\$ 76 4-Bromofluorobenzene	95		8.289	8.290	(1.108)	111316	46.7869	57.5	
82 n-Propylbenzene	91		8.441	8.437	(0.942)	684	0.06298	0.0774(Q)	
84 1,3,5-Trimethylbenzene	105		8.540	8.541	(0.953)	710	0.09249	0.114	
87 1,2,4-Trimethylbenzene	105		8.760	8.756	(0.977)	3749	0.50453	0.620	
* 91 1,4-Dichlorobenzene-d4 (IS)	152		8.964	8.965	(1.000)	124325	50.0000		
100 2,methyl-naphthalene	142		10.794	10.800	(1.204)	3311	1.39889	1.72	

QC Flag Legend

Q - Qualifier signal failed the ratio test.

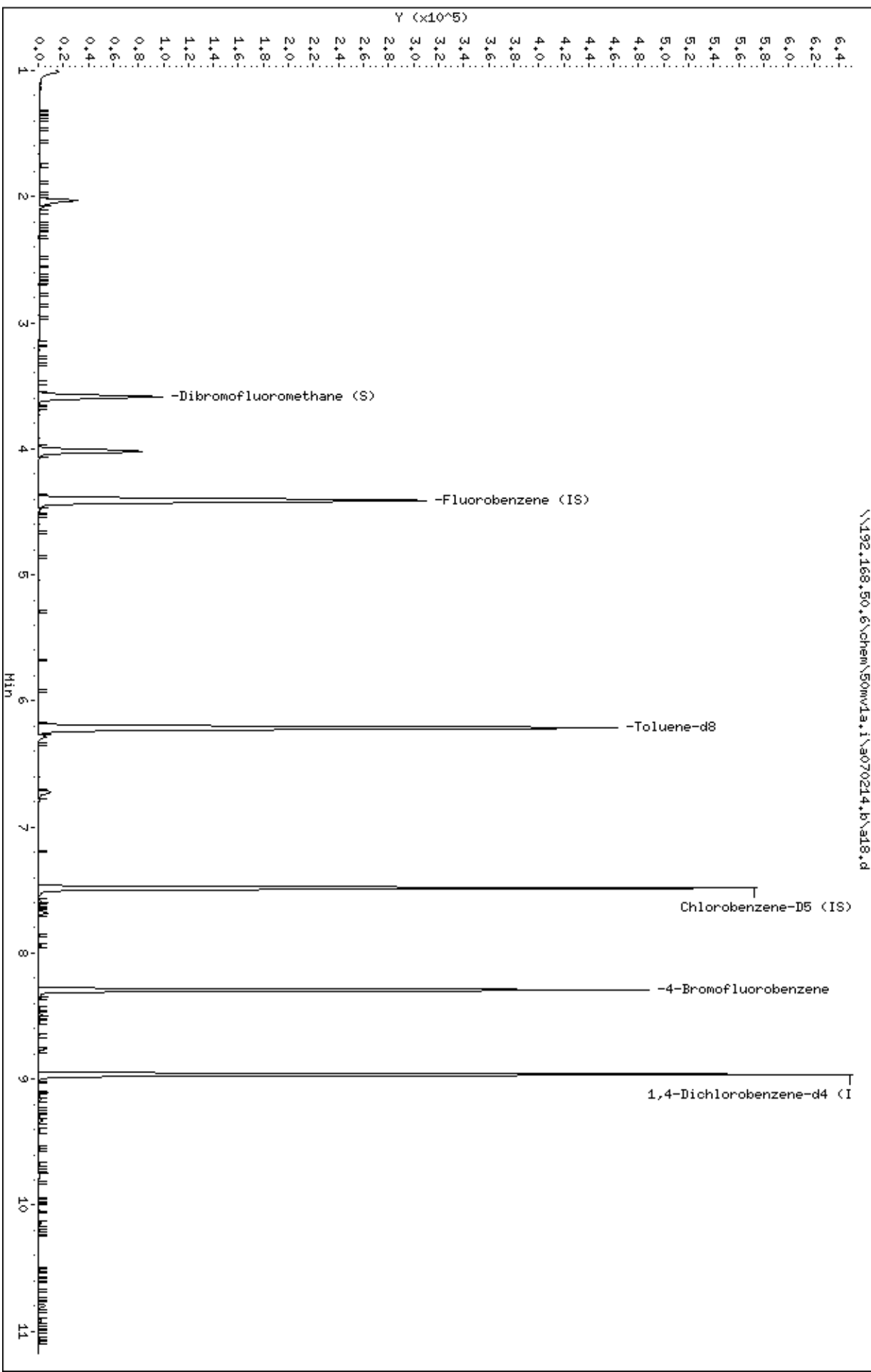
Review Codes Legend

:

Column phase: DB-624

Operator: grm
Column diameter: 0.18

\\192.168.50.6\chem\50mw1a.1\9070214.b\918.d



Date : 02-JUL-2014 20:51

Client ID: P-9 (2-4)

Instrument: 50mv1a.i

Sample Info: 5099627015

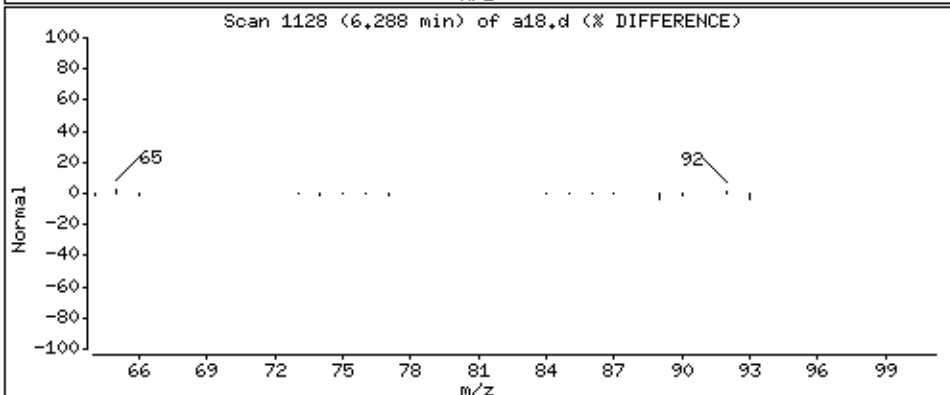
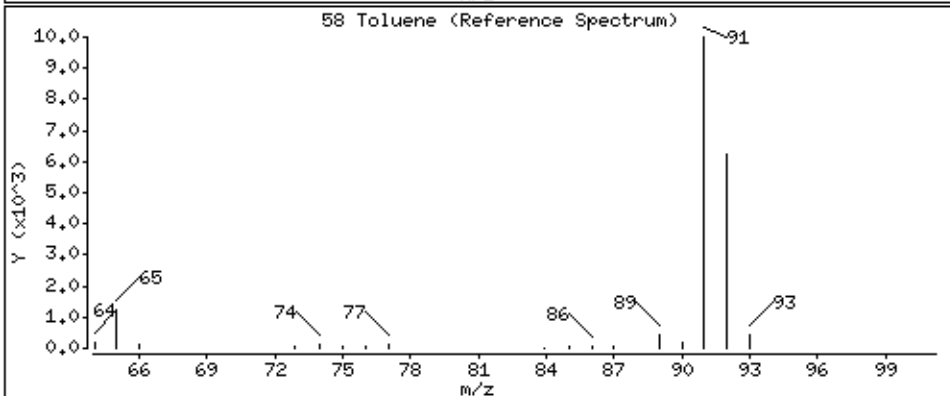
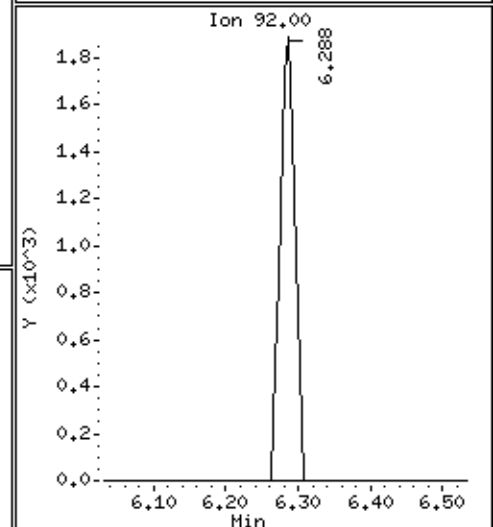
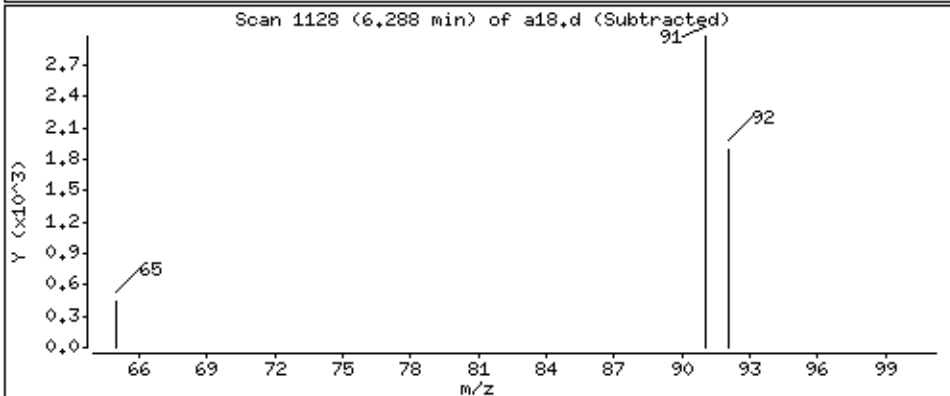
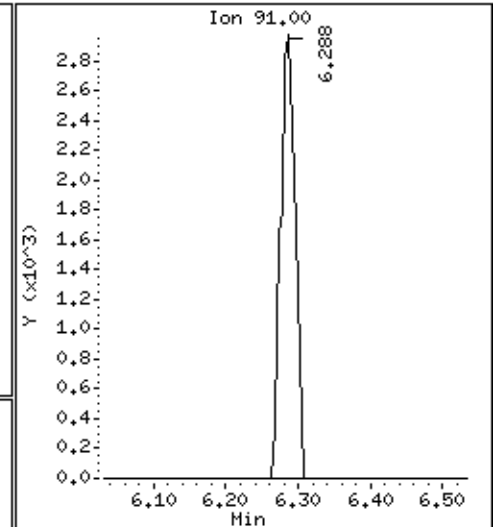
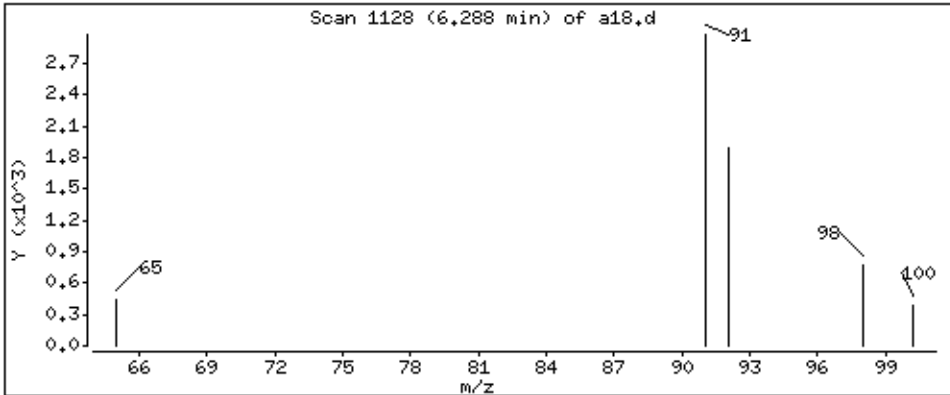
Operator: grm

Column phase: DB-624

Column diameter: 0,18

58 Toluene

Concentration: 0,749 ppb



Date : 02-JUL-2014 20:51

Client ID: P-9 (2-4)

Instrument: 50mv1a.i

Sample Info: 5099627015

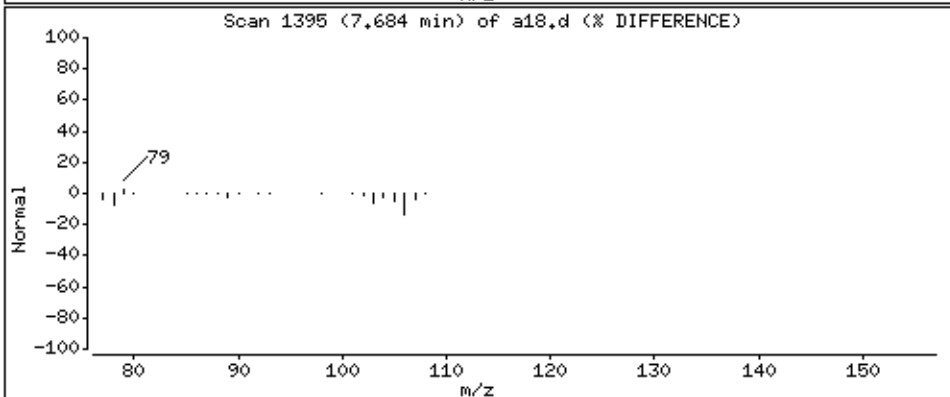
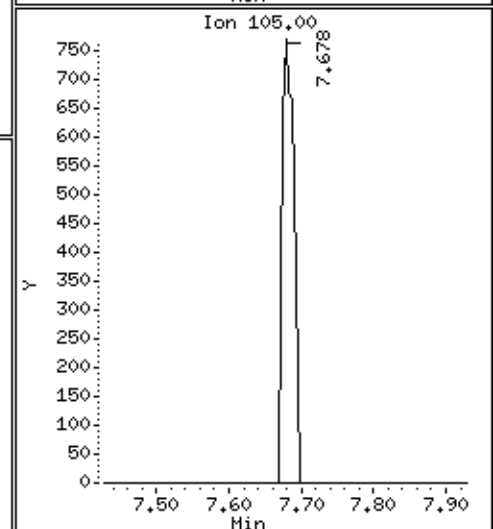
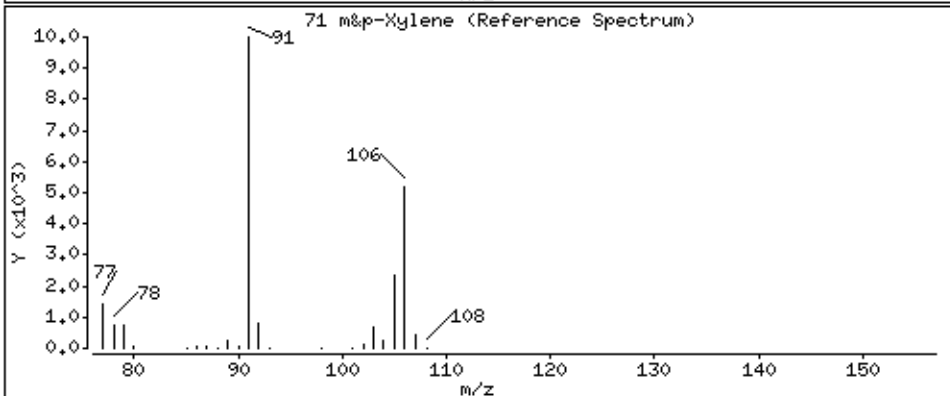
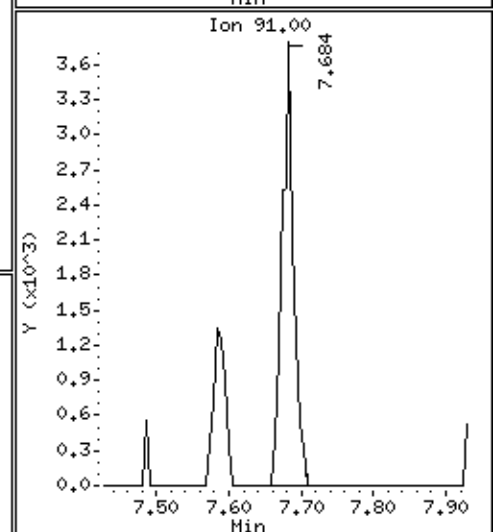
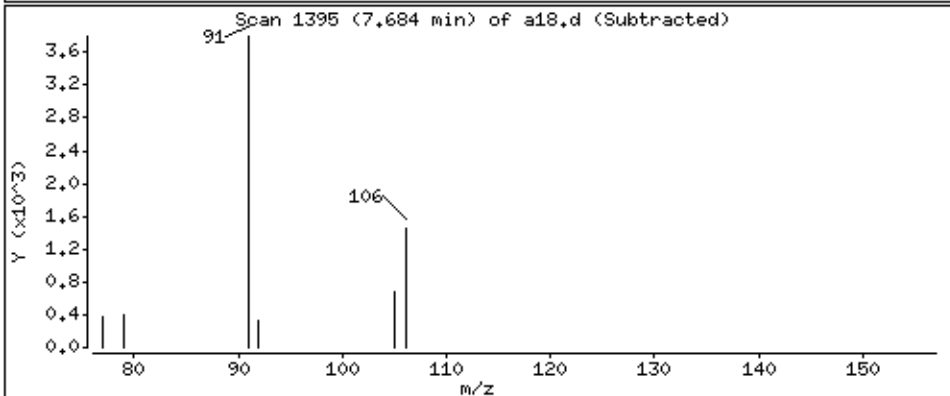
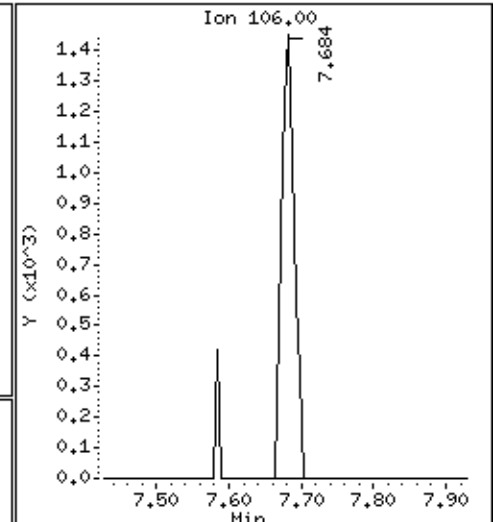
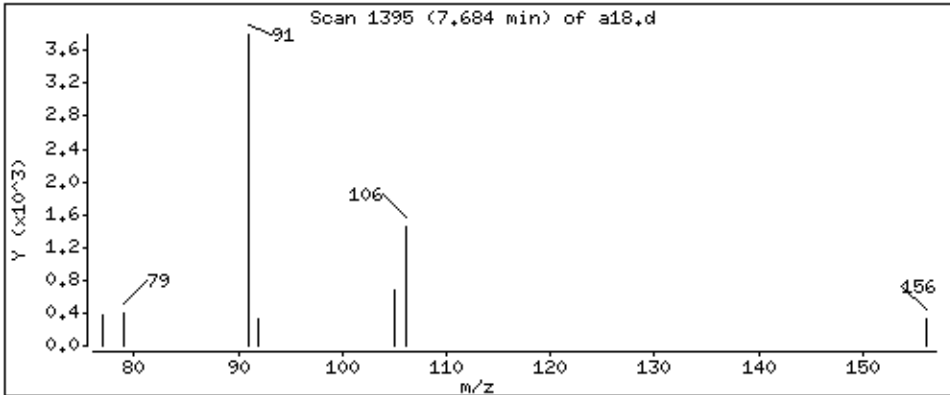
Operator: grm

Column phase: DB-624

Column diameter: 0,18

71 m&p-Xylene

Concentration: 0,762 ppb



Date : 02-JUL-2014 20:51

Client ID: P-9 (2-4)

Instrument: 50mv1a.i

Sample Info: 5099627015

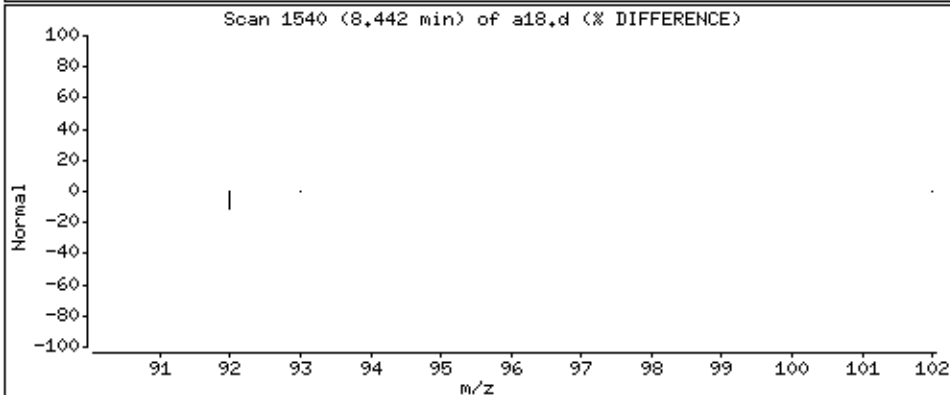
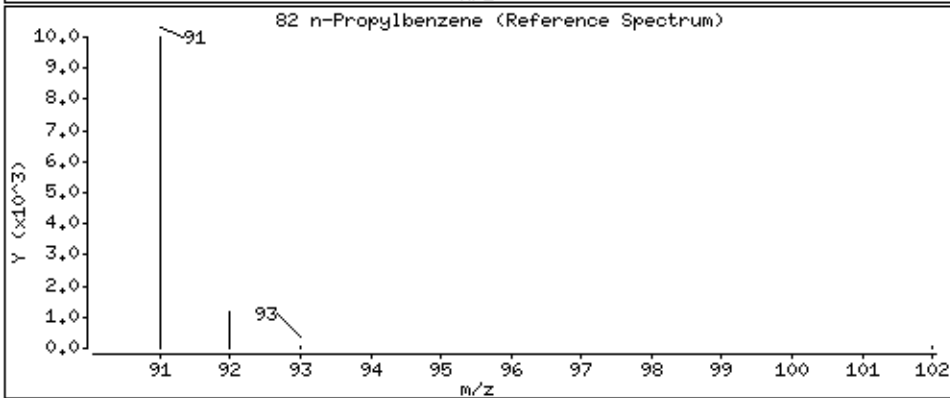
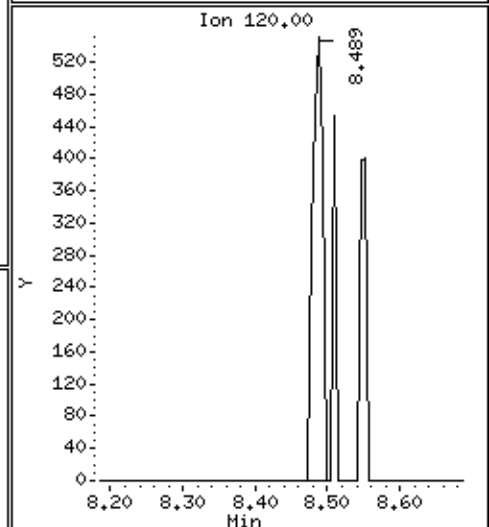
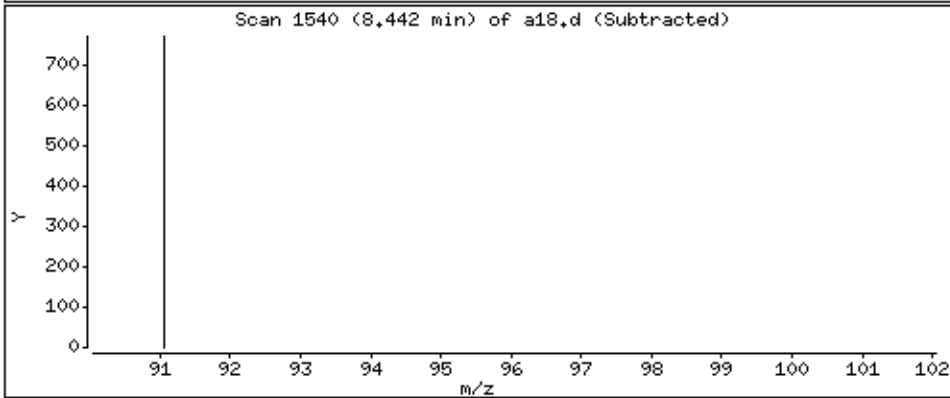
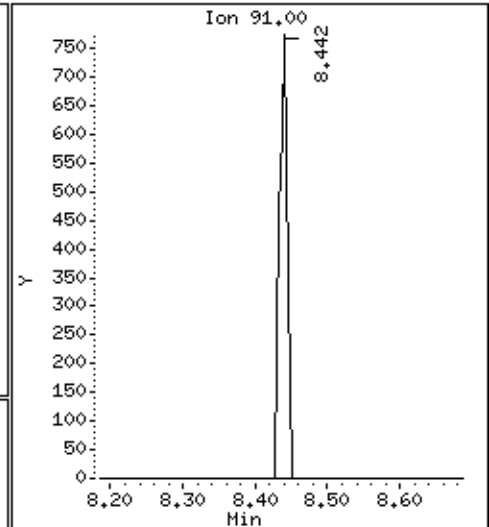
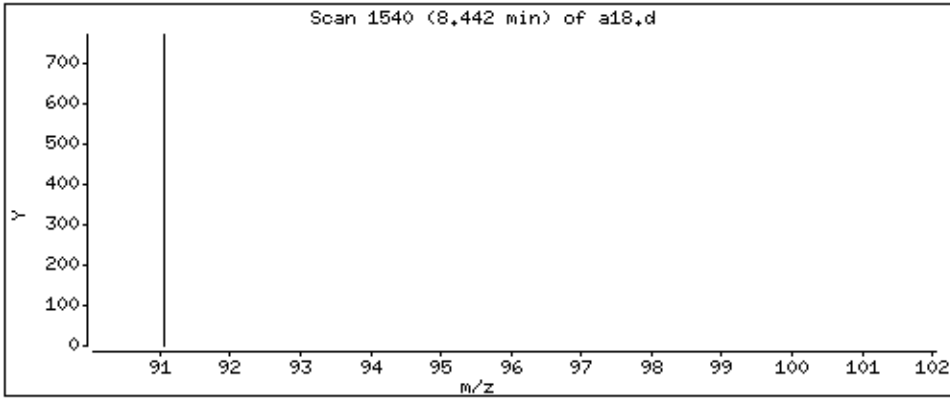
Operator: grm

Column phase: DB-624

Column diameter: 0,18

82 n-Propylbenzene

Concentration: 0,0774 ppb



Date : 02-JUL-2014 20:51

Client ID: P-9 (2-4)

Instrument: 50mv1a.i

Sample Info: 5099627015

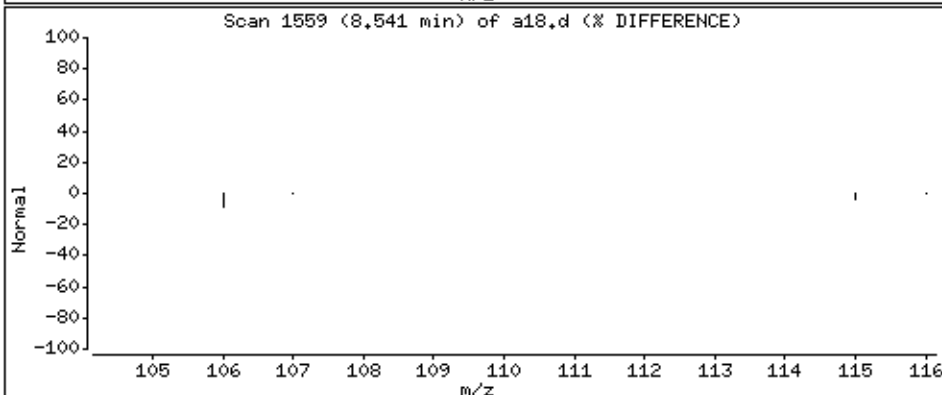
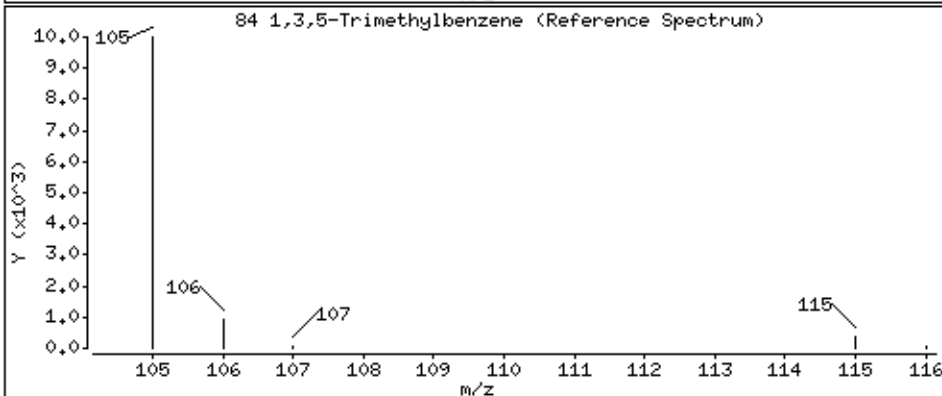
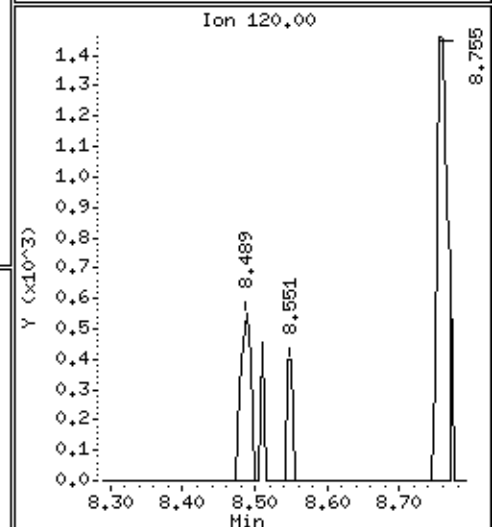
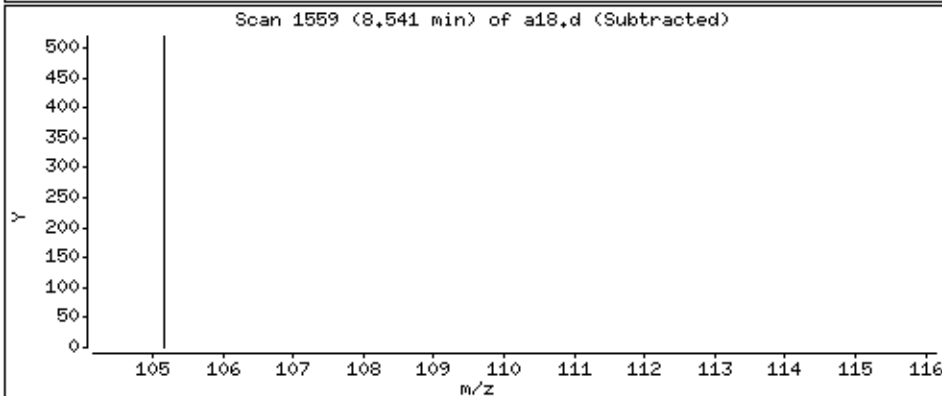
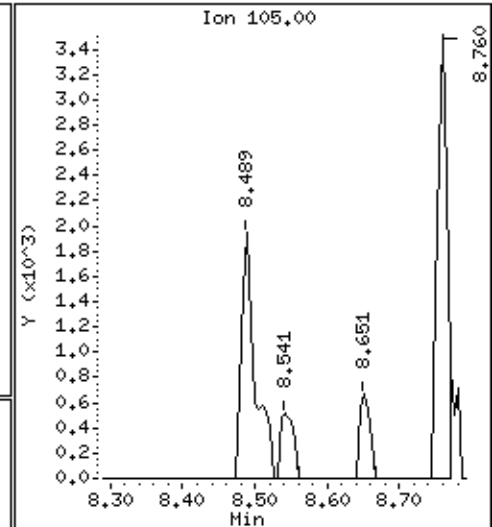
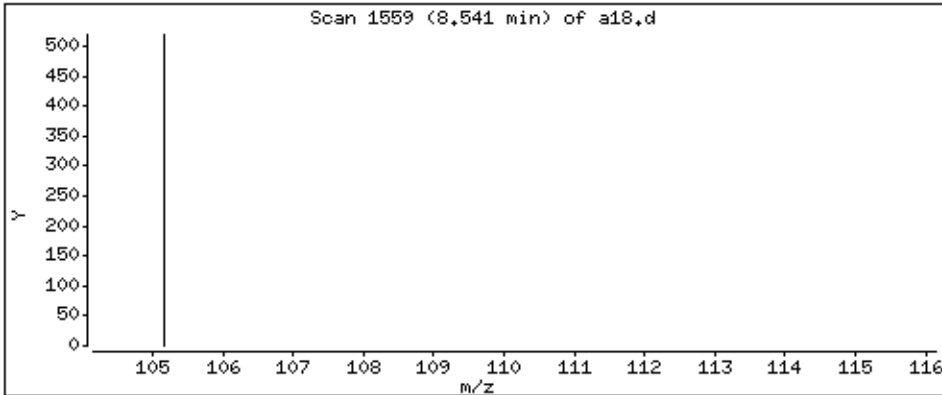
Operator: grm

Column phase: DB-624

Column diameter: 0,18

84 1,3,5-Trimethylbenzene

Concentration: 0,114 ppb



Date : 02-JUL-2014 20:51

Client ID: P-9 (2-4)

Instrument: 50mv1a.i

Sample Info: 5099627015

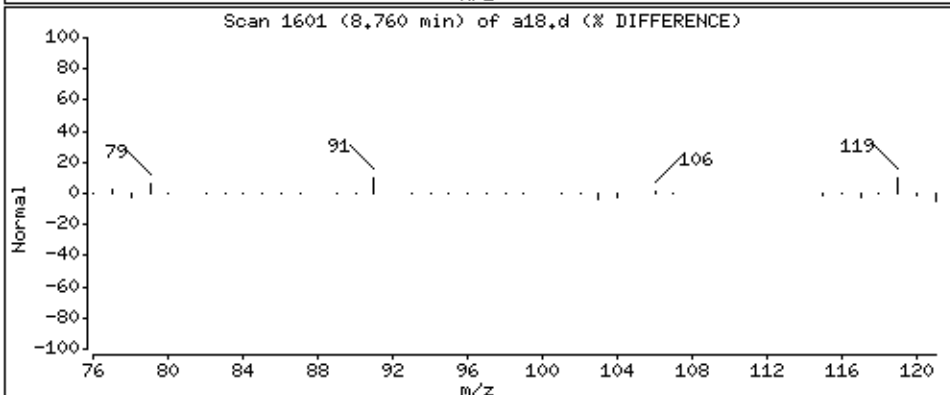
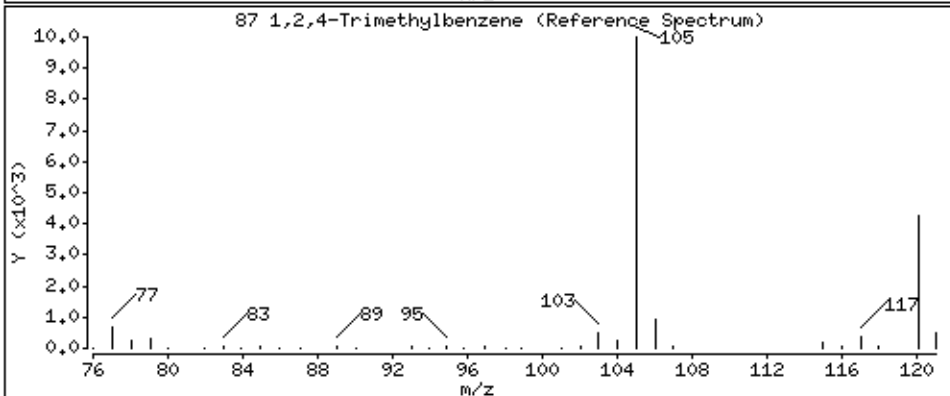
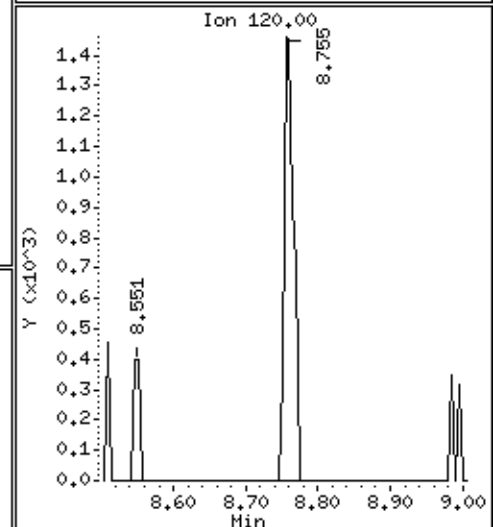
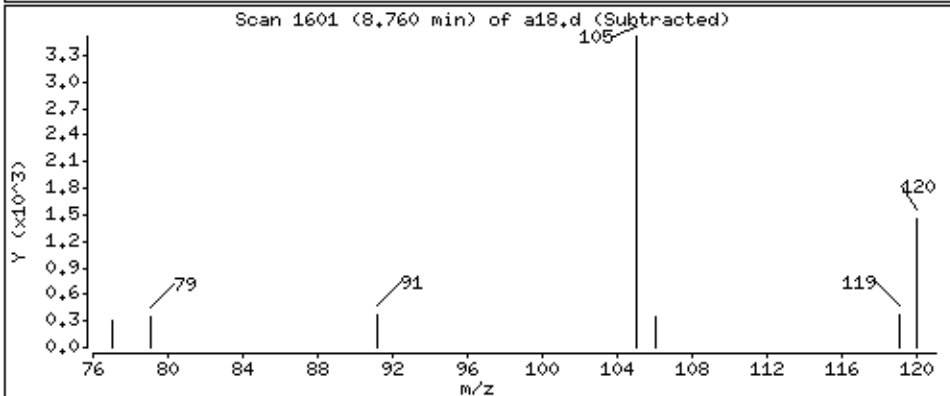
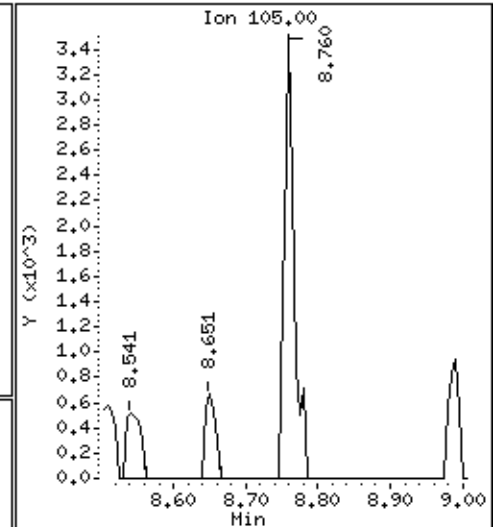
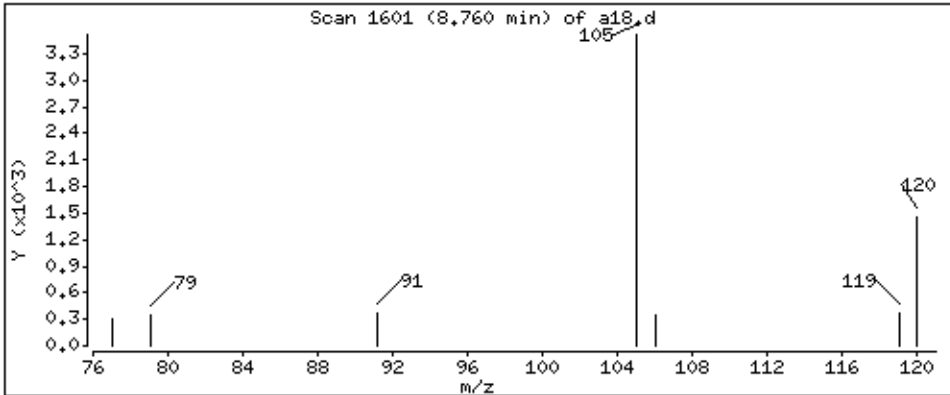
Operator: grm

Column phase: DB-624

Column diameter: 0,18

87 1,2,4-Trimethylbenzene

Concentration: 0,620 ppb



Date : 02-JUL-2014 20:51

Client ID: P-9 (2-4)

Instrument: 50mv1a.i

Sample Info: 5099627015

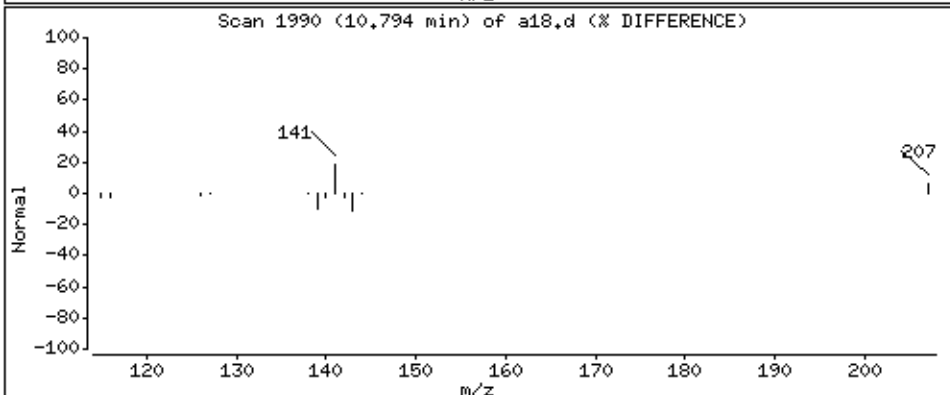
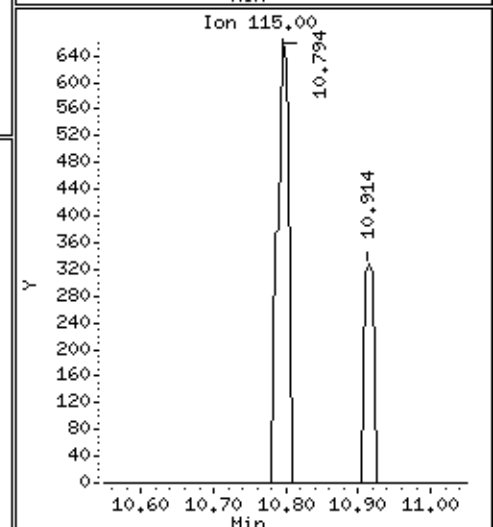
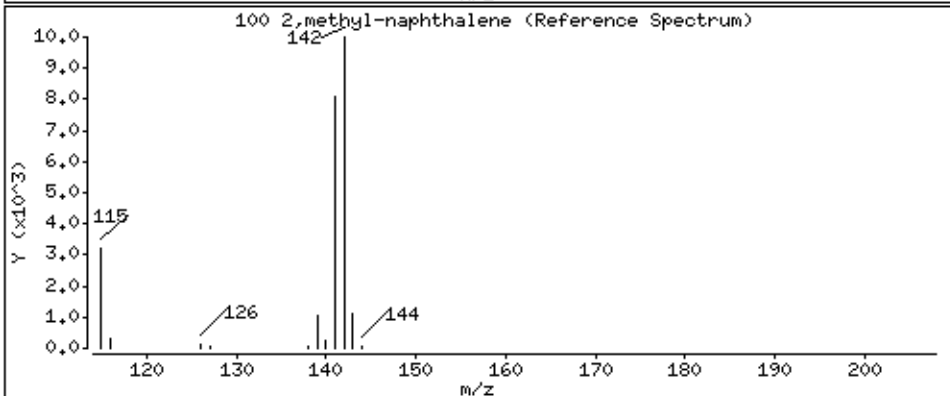
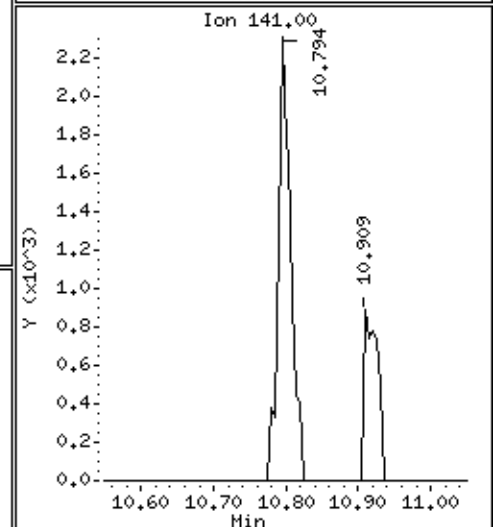
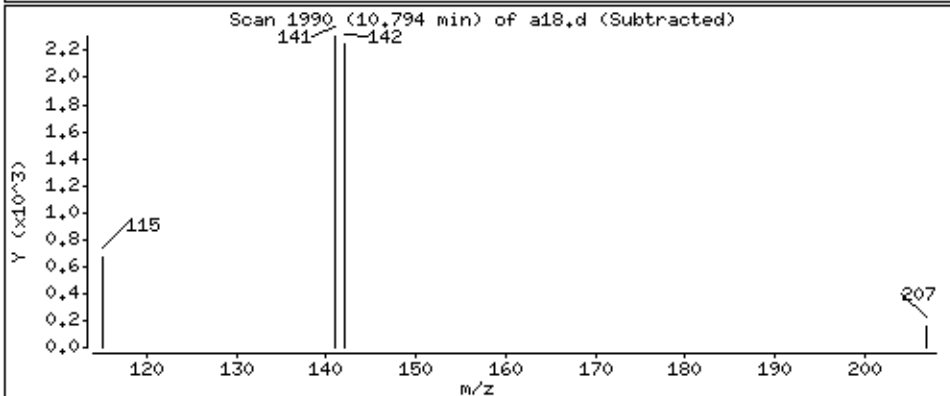
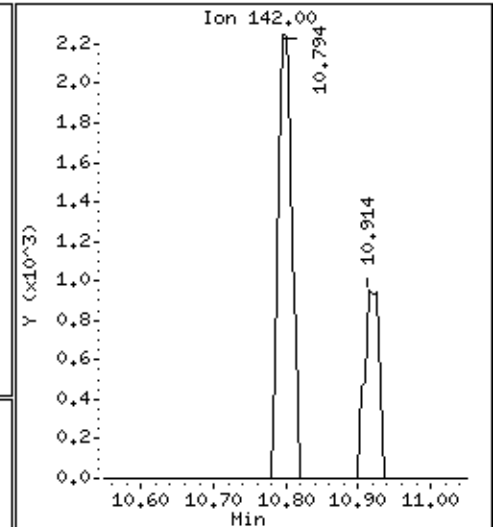
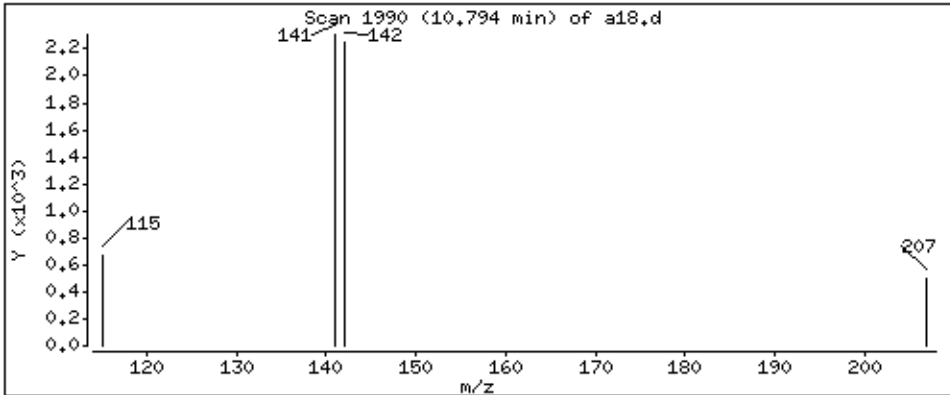
Operator: grm

Column phase: DB-624

Column diameter: 0,18

100 2,methyl-naphthalene

Concentration: 1,72 ppb



Data File: \\192.168.50.6\chem\50mv1a.i\a070214.b/a18.d
Injection Date: 02-JUL-2014 20:51
Instrument: 50mv1a.i
Lab Sample ID: 5099627015
NO SIGNAL MANUAL INTEGRATIONS DONE FOR THIS DATA FILE

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

SAMPLE NO.

P-3 (8-10)

Lab Name: Pace Analytical - Indiana
Date Received: 06/20/2014 10:42
Date Extracted: 07/03/2014 15:36
Date Analyzed: 07/03/2014 15:36
Initial wt/vol: 5.702 g Final wt/vol: 5 mL Dilution: 1

Contract: Sibley - Accucast
Matrix: Solid SDG No.: 5099627
Lab Sample ID: 5099627016
Lab File ID: A070314.BVA07.D
Instrument: 50MV1A Percent Moisture: 13.3%

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

07/17/2014 9:25

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

SAMPLE NO.

P-3 (8-10)

Lab Name: Pace Analytical - Indiana
Date Received: 06/20/2014 10:42
Date Extracted: 07/03/2014 15:36
Date Analyzed: 07/03/2014 15:36
Initial wt/vol: 5.702 g Final wt/vol: 5 mL Dilution: 1

Contract: Sibley - Accucast
Matrix: Solid SDG No.: 5099627
Lab Sample ID: 5099627016
Lab File ID: A070314.BVA07.D
Instrument: 50MV1A Percent Moisture: 13.3%

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

07/17/2014 9:25

Pace Analytical Services, Inc.

Data file : \\192.168.50.6\chem\50mv1a.i\a070314.b\a07.d
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 Inj Date : 03-JUL-2014 15:36
 Operator : grm Inst ID: 50mv1a.i
 Smp Info : 5099627016
 Misc Info : 66523
 Comment :
 Method : \\192.168.50.6\chem\50mv1a.i\a070314.b\a8260_a_c.m
 Meth Date : 07-Jul-2014 11:05 50mv1a.i Quant Type: ISTD
 Cal Date : 19-JUN-2014 17:44 Cal File: a08cal.d
 Als bottle: 15
 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	5.752	Weight of sample extracted (g)
M	13.310	% 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 (ppb)	FINAL (ppb)	
\$ 38 Dibromofluoromethane (S)	113		3.587	3.585	(0.814)	57614	48.4893	48.6	
* 46 Fluorobenzene (IS)	96		4.408	4.406	(1.000)	246890	50.0000		
\$ 57 Toluene-d8	98		6.212	6.210	(0.830)	245502	51.6818	51.8	
58 Toluene	91		6.279	6.283	(0.839)	1875	0.31230	0.313	
* 67 Chlorobenzene-D5 (IS)	117		7.487	7.485	(1.000)	180154	50.0000		
\$ 76 4-Bromofluorobenzene	95		8.292	8.291	(1.108)	90752	47.1015	47.2	
* 91 1,4-Dichlorobenzene-d4 (IS)	152		8.967	8.965	(1.000)	104396	50.0000		

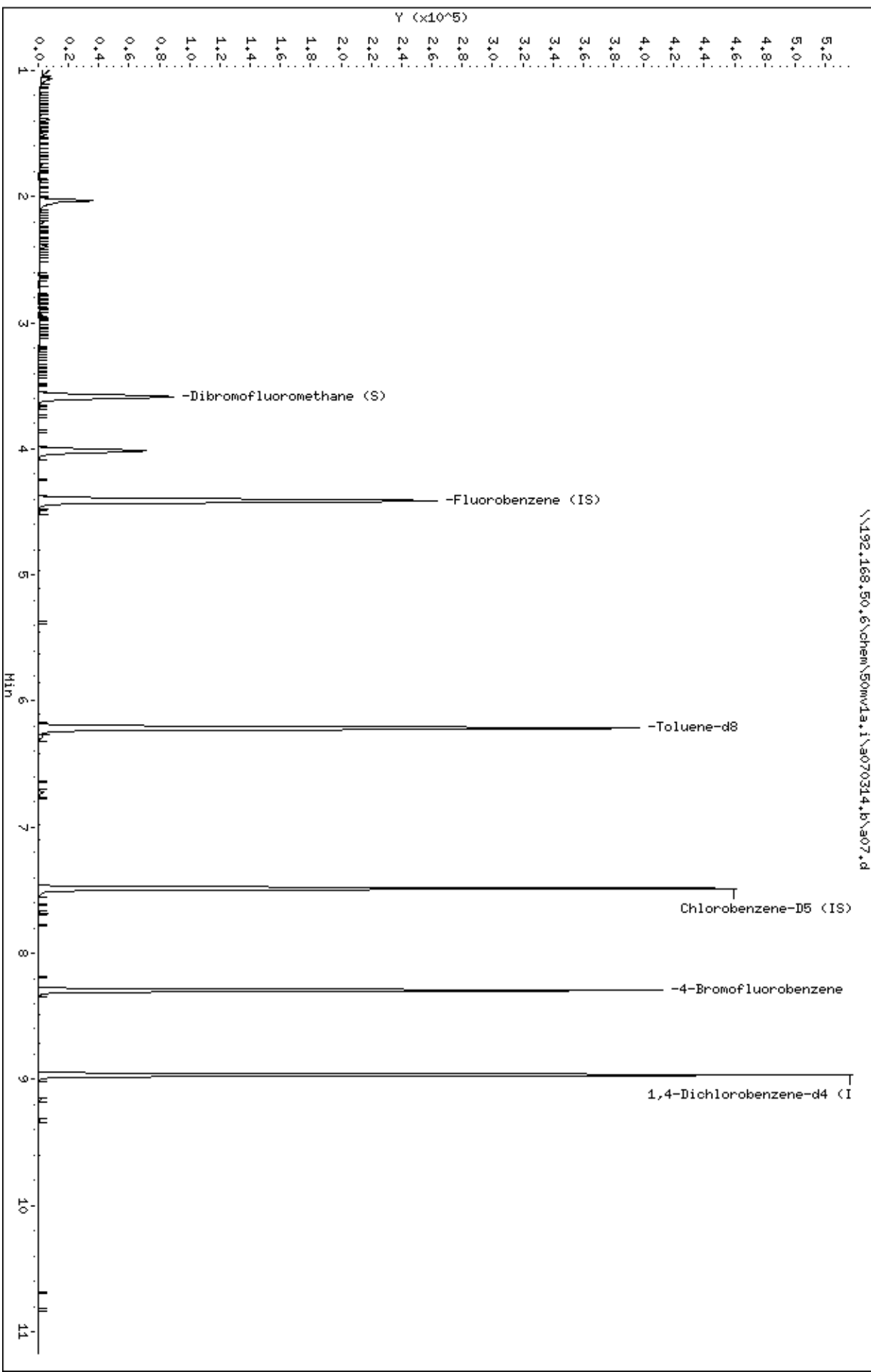
Column phase: DB-624

Instrument: 50w1a.1

Operator: grm

Column diameter: 0.18

\\192.168.50.6\chem\50w1a.1\9070314.b\907.d



Date : 03-JUL-2014 15:36

Client ID: P-3 (8-10)

Instrument: 50mv1a.i

Sample Info: 5099627016

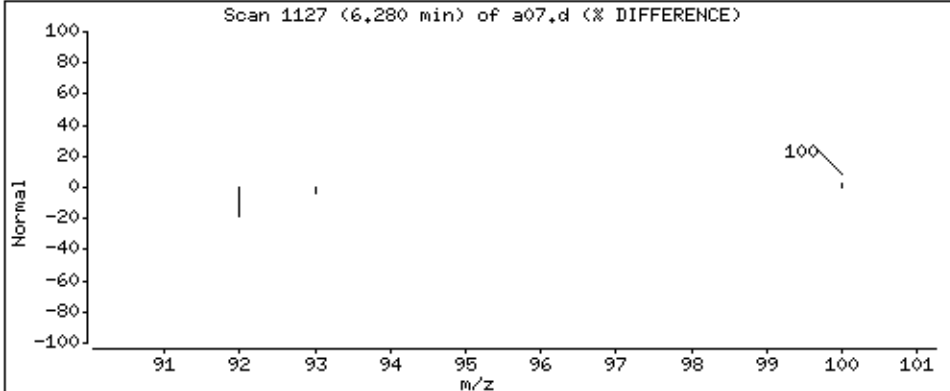
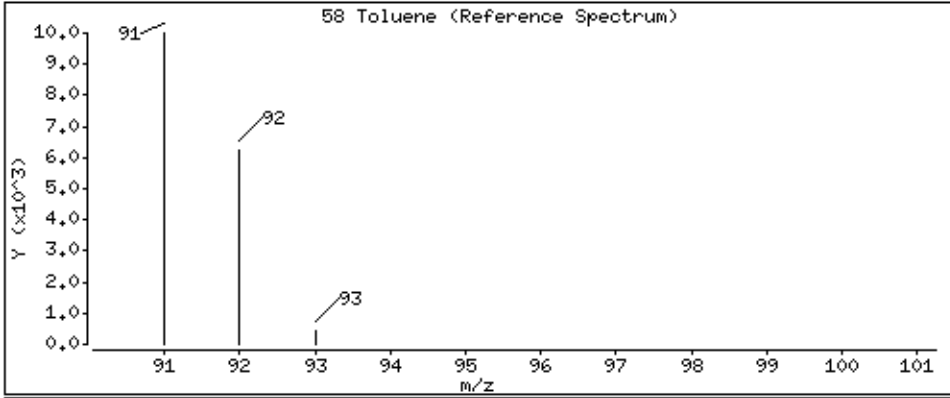
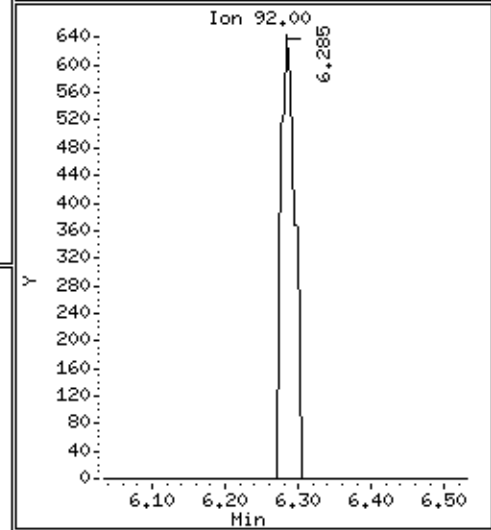
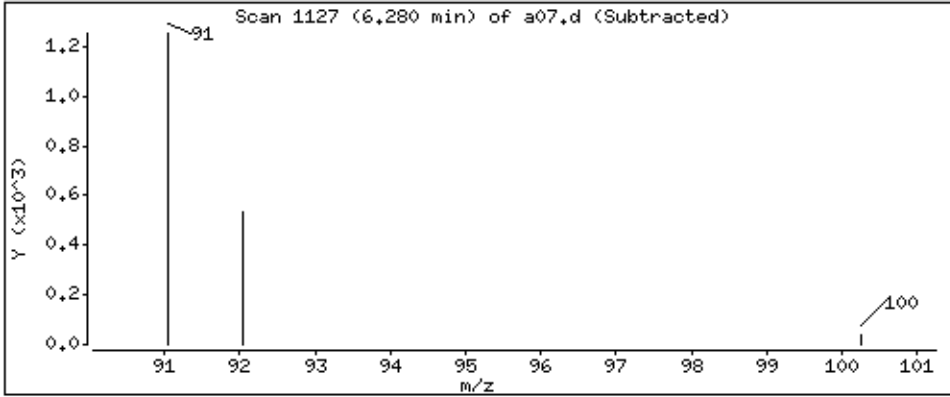
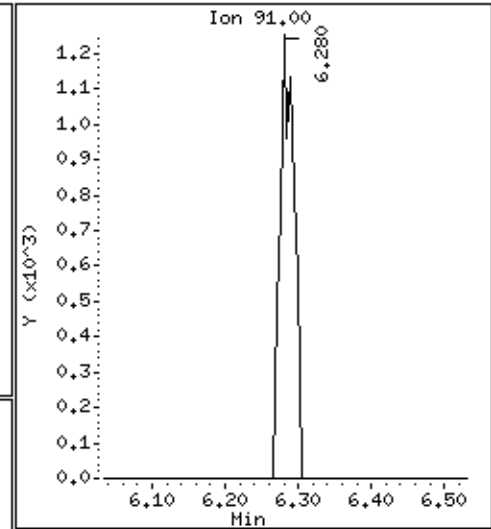
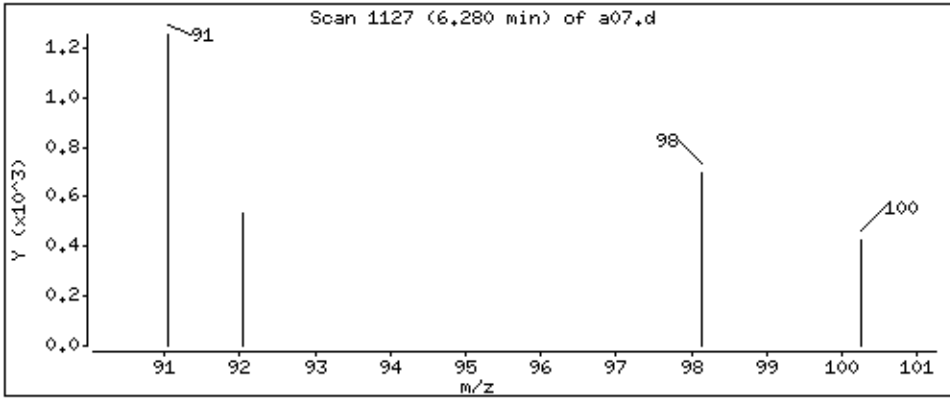
Operator: grm

Column phase: DB-624

Column diameter: 0,18

58 Toluene

Concentration: 0,313 ppb



Data File: \\192.168.50.6\chem\50mv1a.i\a070314.b/a07.d
Injection Date: 03-JUL-2014 15:36
Instrument: 50mv1a.i
Lab Sample ID: 5099627016
NO SIGNAL MANUAL INTEGRATIONS DONE FOR THIS DATA FILE

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

SAMPLE NO.

P-9 (13-15)

Lab Name: Pace Analytical - Indiana
Date Received: 06/20/2014 10:42
Date Extracted: 07/02/2014 21:58
Date Analyzed: 07/02/2014 21:58
Initial wt/vol: 6.032 g Final wt/vol: 5 mL Dilution: 1

Contract: Sibley - Accucast
Matrix: Solid SDG No.: 5099627
Lab Sample ID: 5099627017
Lab File ID: A070214.BVA20.D
Instrument: 50MV1A Percent Moisture: 14.8%

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

07/17/2014 9:25

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

SAMPLE NO.

P-9 (13-15)

Lab Name: Pace Analytical - Indiana
Date Received: 06/20/2014 10:42
Date Extracted: 07/02/2014 21:58
Date Analyzed: 07/02/2014 21:58
Initial wt/vol: 6.032 g Final wt/vol: 5 mL Dilution: 1

Contract: Sibley - Accucast
Matrix: Solid SDG No.: 5099627
Lab Sample ID: 5099627017
Lab File ID: A070214.BVA20.D
Instrument: 50MV1A Percent Moisture: 14.8%

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

07/17/2014 9:25

Pace Analytical Services, Inc.

Data file : \\192.168.50.6\chem\50mv1a.i\070214.b\020.d
 Lab Smp Id: 5099627017 Client Smp ID: P-9 (13-15)
 Inj Date : 02-JUL-2014 21:58
 Operator : grm Inst ID: 50mv1a.i
 Smp Info : 5099627017
 Misc Info : 66420
 Comment :
 Method : \\192.168.50.6\chem\50mv1a.i\070214.b\08260_a_c.m
 Meth Date : 03-Jul-2014 13:53 50mv1a.i Quant Type: ISTD
 Cal Date : 19-JUN-2014 17:44 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	14.768	% 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
18 Methylene Chloride	84		0.14609	0.171		2.029	2.027	(0.460)	25335	
\$ 38 Dibromofluoromethane (S)	113		42.8453	50.3		3.587	3.585	(0.814)	58840	
* 46 Fluorobenzene (IS)	96		50.0000			4.408	4.406	(1.000)	285358	
\$ 57 Toluene-d8	98		50.5896	59.4		6.211	6.210	(0.830)	283765	
58 Toluene	91		1.20223	1.41		6.285	6.283	(0.839)	8523	
* 67 Chlorobenzene-D5 (IS)	117		50.0000			7.487	7.485	(1.000)	212728	
70 Ethylbenzene	106		0.18837	0.221(Q)		7.581	7.584	(1.013)	470	
71 m&p-Xylene	106		1.08730	1.28		7.680	7.679	(1.026)	3336	
72 o-Xylene	106		0.41100	0.482(Q)		7.937	7.935	(1.060)	1169	
\$ 76 4-Bromofluorobenzene	95		46.2830	54.3		8.292	8.290	(1.108)	105299	
82 n-Propylbenzene	91		0.07458	0.0875(Q)		8.439	8.437	(0.941)	752	
84 1,3,5-Trimethylbenzene	105		0.14268	0.167		8.543	8.541	(0.953)	1017	
87 1,2,4-Trimethylbenzene	105		0.78165	0.917		8.757	8.756	(0.977)	5393	
* 91 1,4-Dichlorobenzene-d4 (IS)	152		50.0000			8.967	8.965	(1.000)	115439	
98 Naphthalene	128		1.26155	1.48		10.143	10.141	(1.131)	4213	
100 2,methyl-naphthalene	142		2.97992	3.50		10.796	10.800	(1.204)	6549	
101 1-methylnaphthalene	142		1.65079	1.94(Q)		10.922	10.920	(1.218)	2969	

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Review Codes Legend

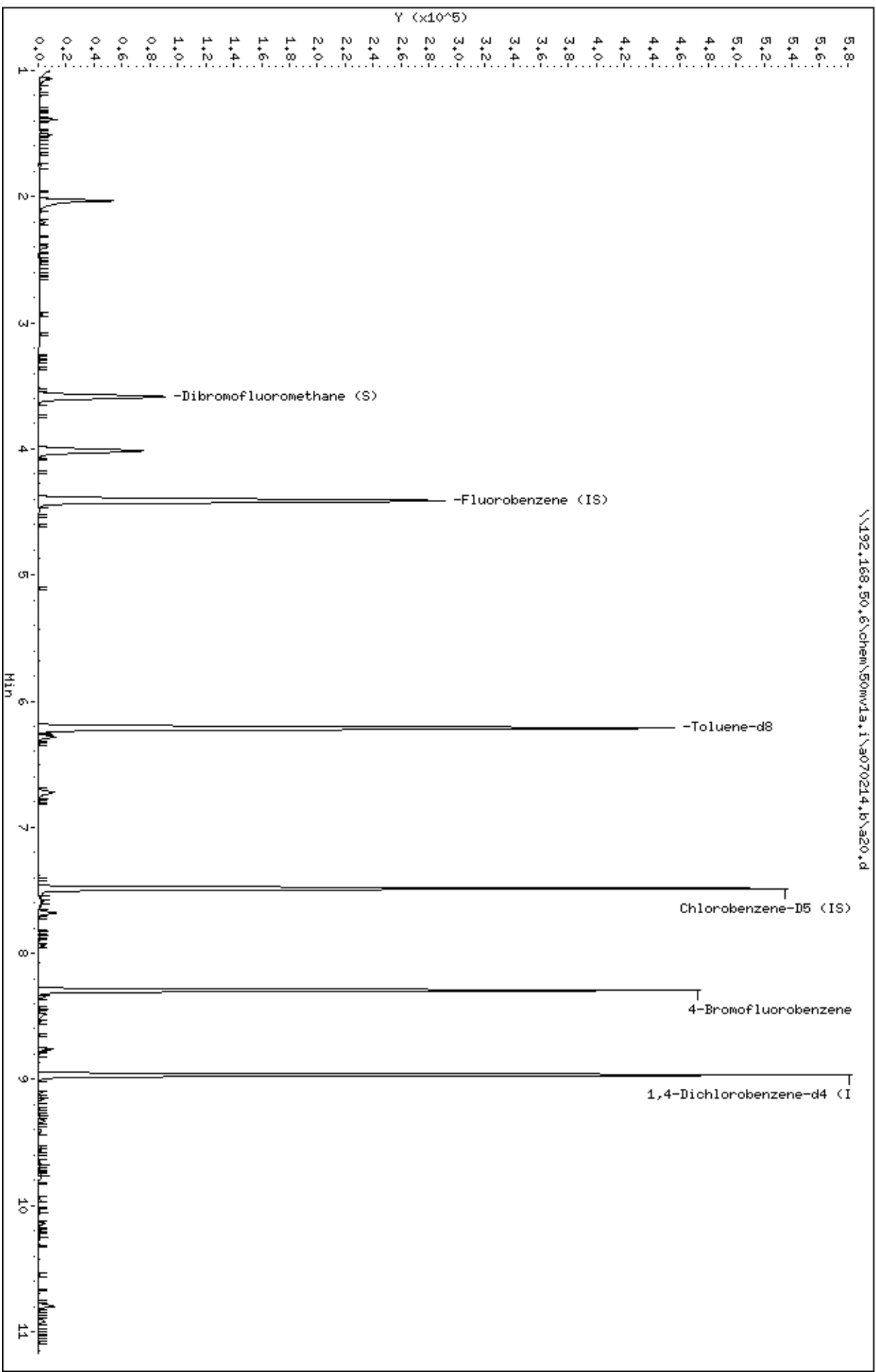
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Column phase: DB-624

Instrument: 50m\1a.1

Operator: grm

Column diameter: 0.18



Date : 02-JUL-2014 21:58

Client ID: P-9 (13-15)

Instrument: 50mv1a.i

Sample Info: 5099627017

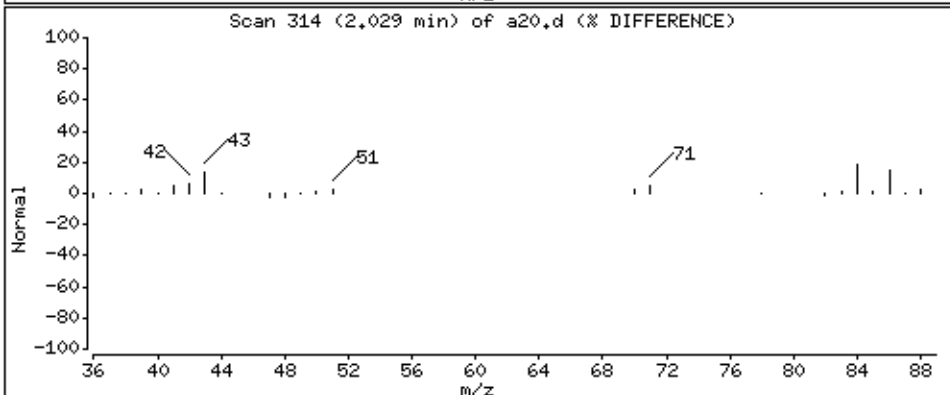
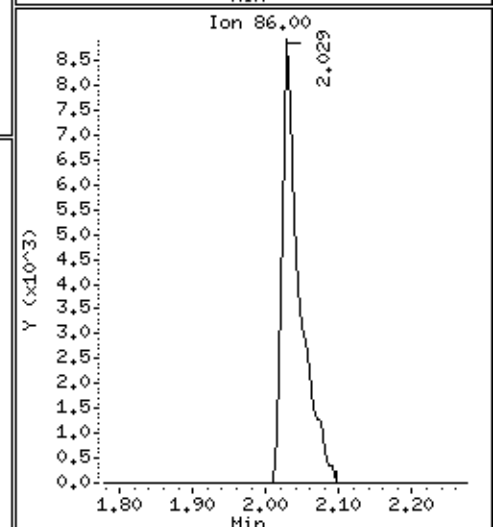
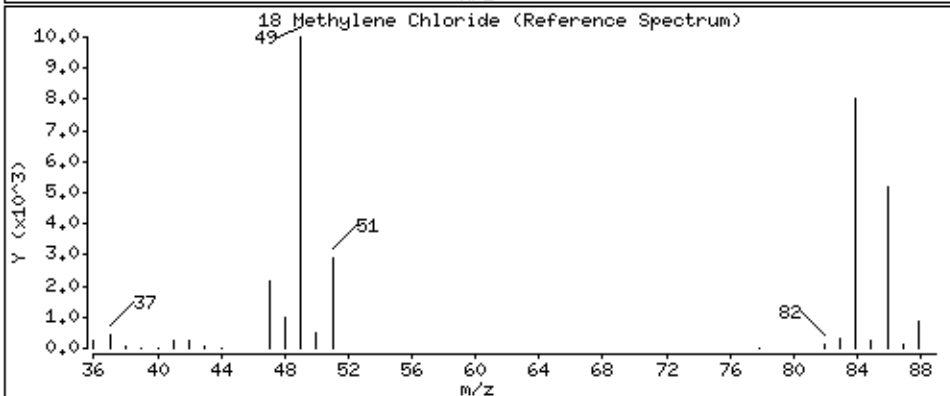
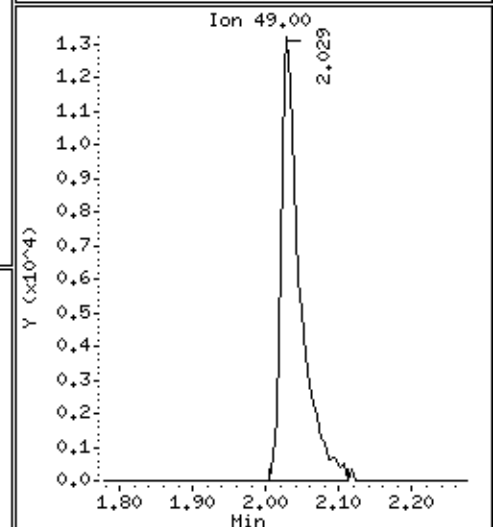
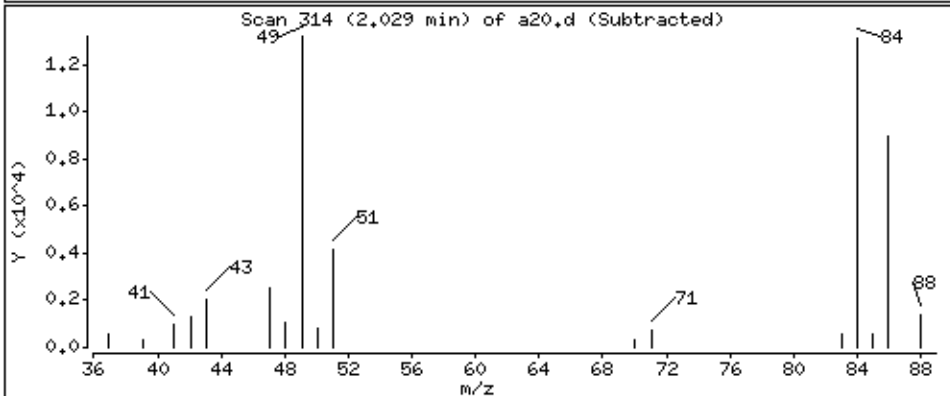
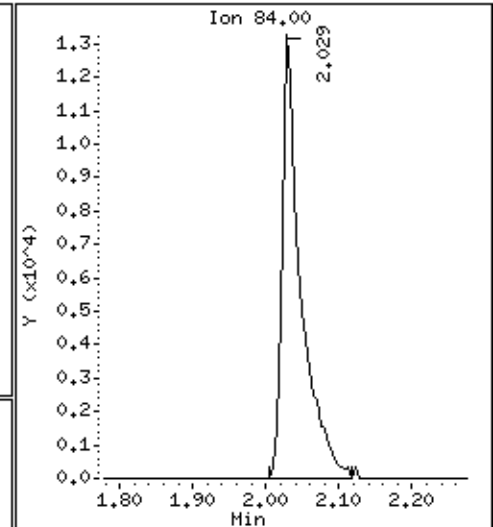
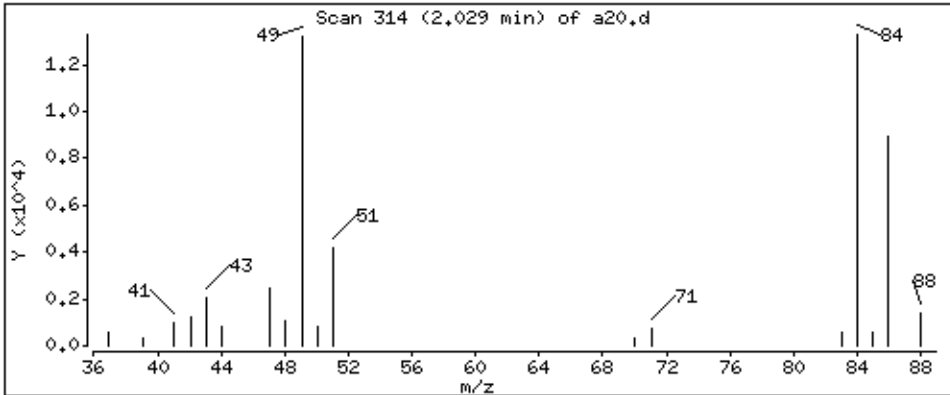
Operator: grm

Column phase: DB-624

Column diameter: 0,18

18 Methylene Chloride

Concentration: 0,171 ppb



Date : 02-JUL-2014 21:58

Client ID: P-9 (13-15)

Instrument: 50mv1a.i

Sample Info: 5099627017

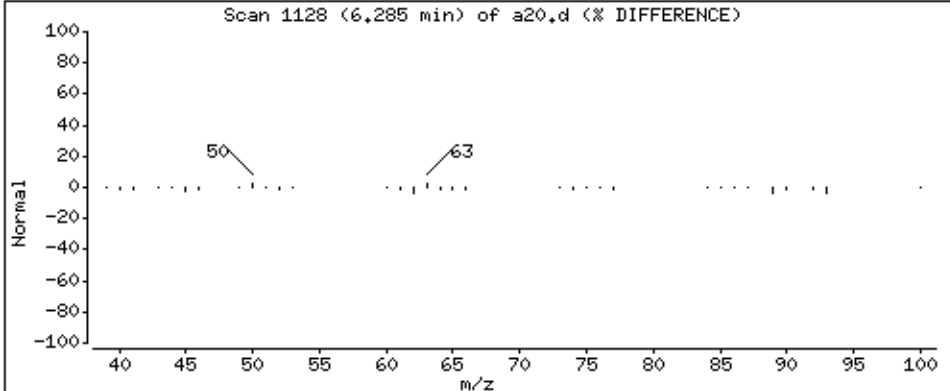
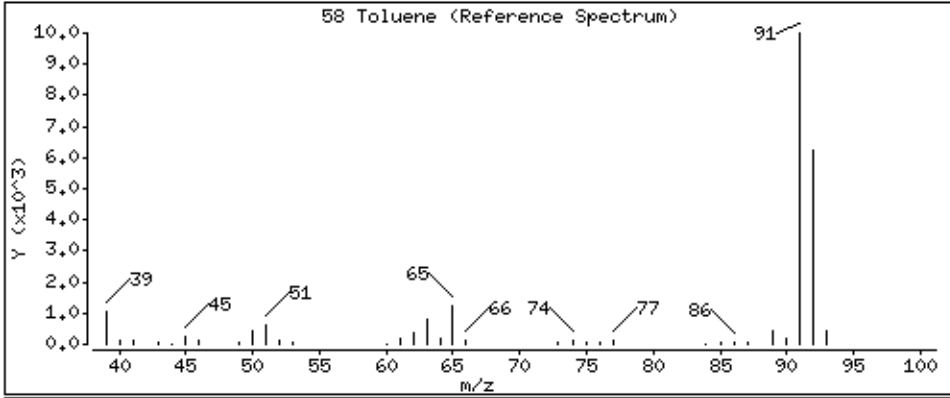
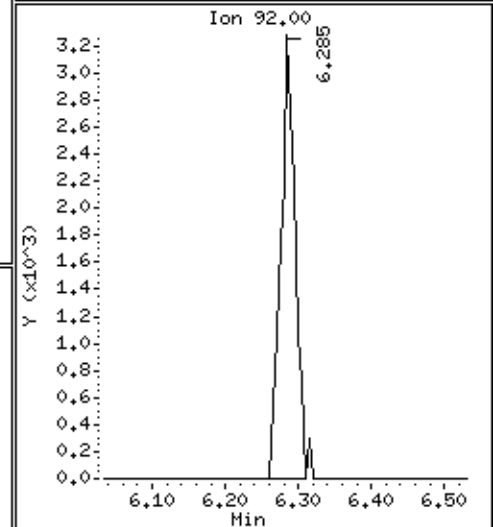
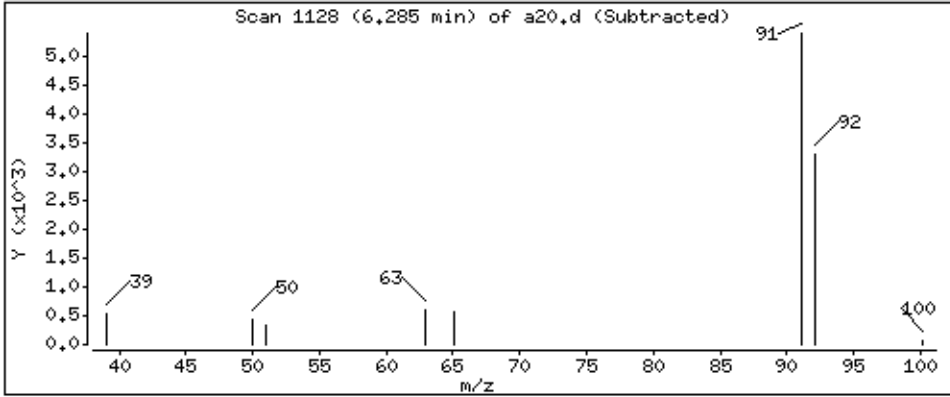
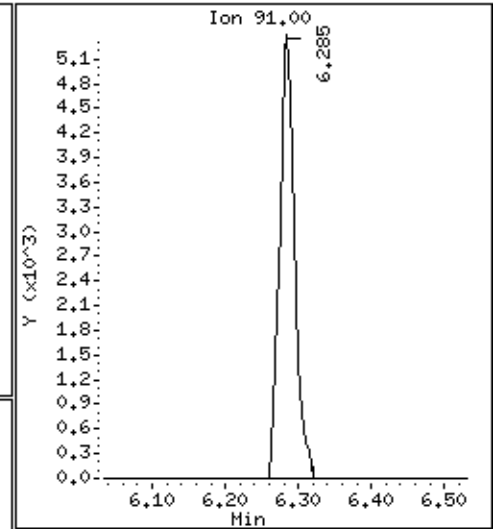
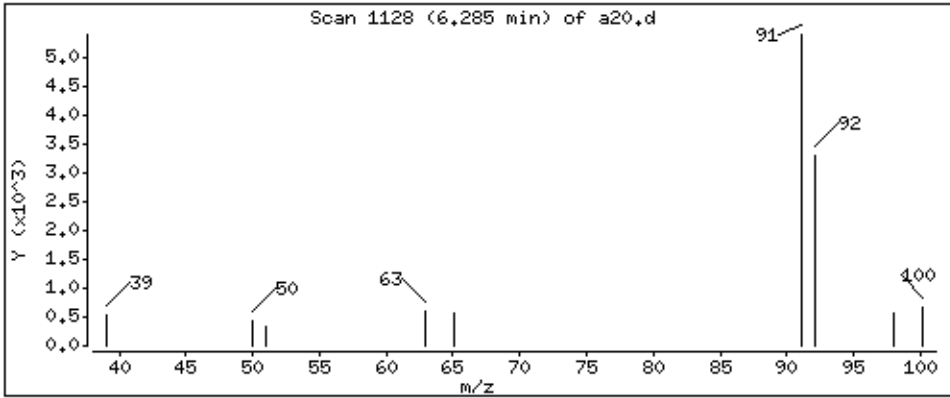
Operator: grm

Column phase: DB-624

Column diameter: 0,18

58 Toluene

Concentration: 1.41 ppb



Date : 02-JUL-2014 21:58

Client ID: P-9 (13-15)

Instrument: 50mv1a.i

Sample Info: 5099627017

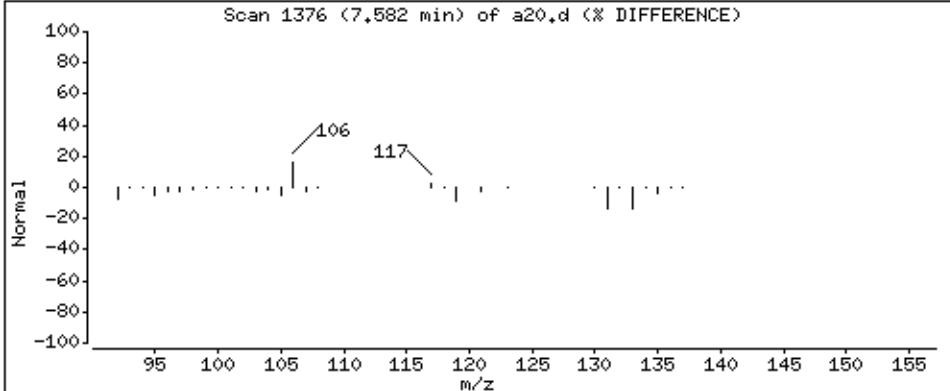
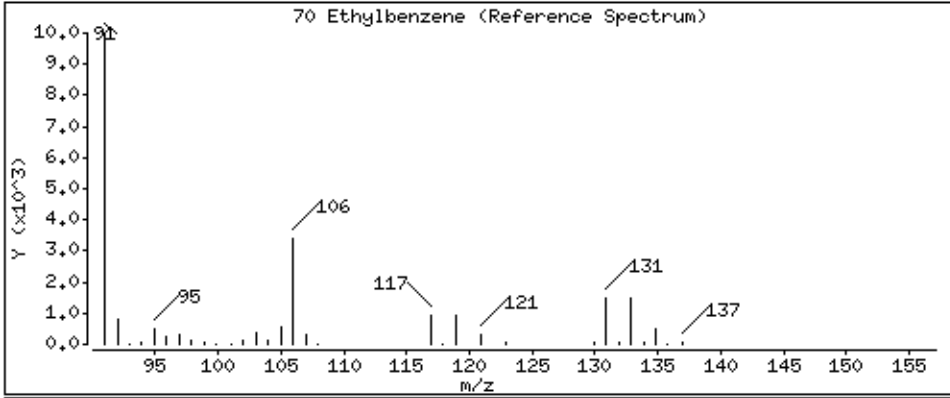
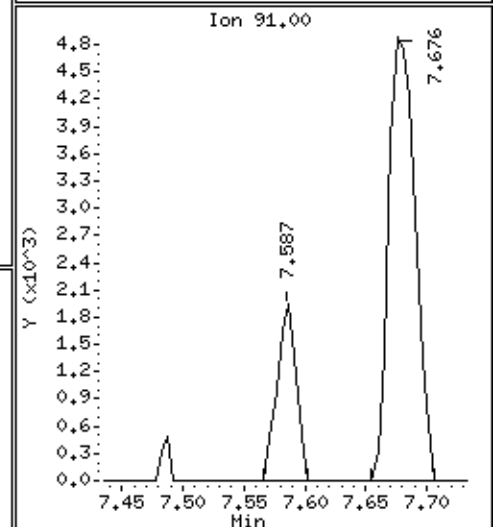
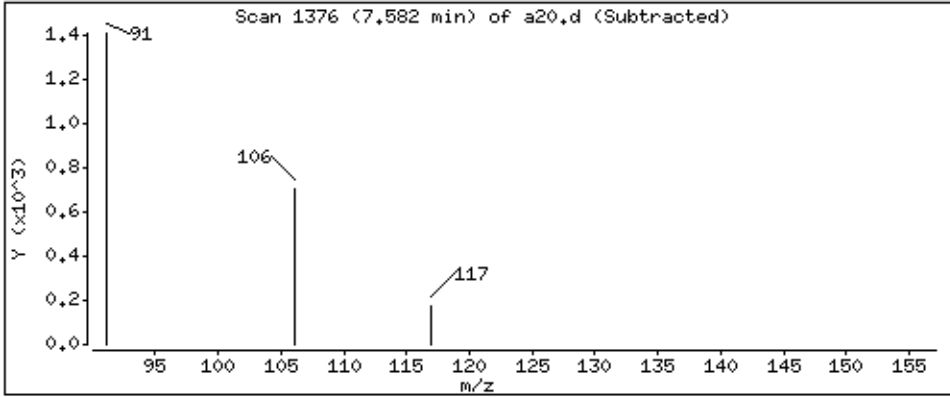
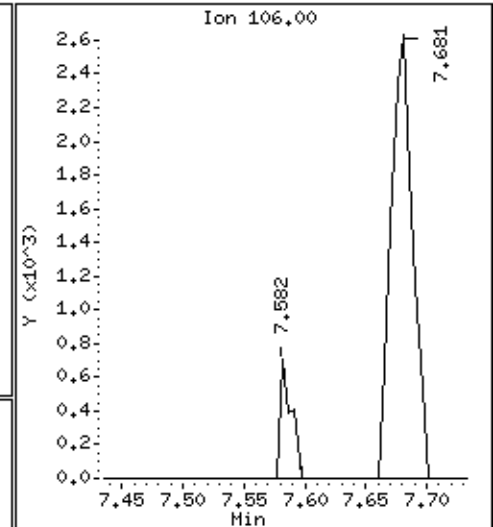
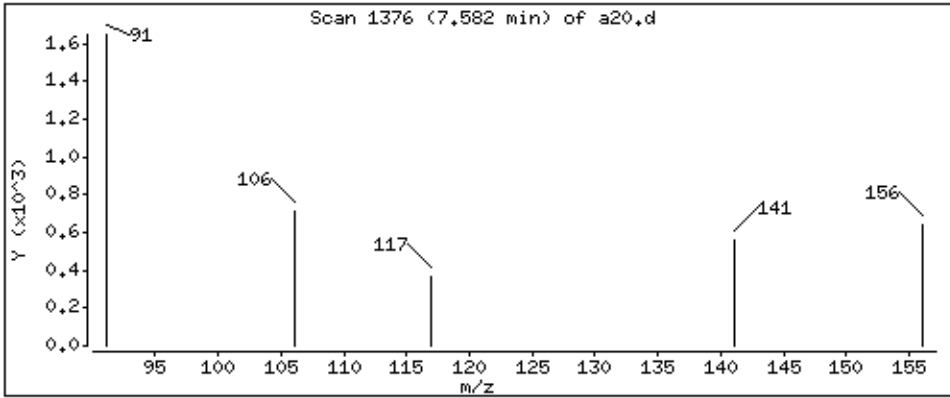
Operator: grm

Column phase: DB-624

Column diameter: 0,18

70 Ethylbenzene

Concentration: 0,221 ppb



Date : 02-JUL-2014 21:58

Client ID: P-9 (13-15)

Instrument: 50mv1a.i

Sample Info: 5099627017

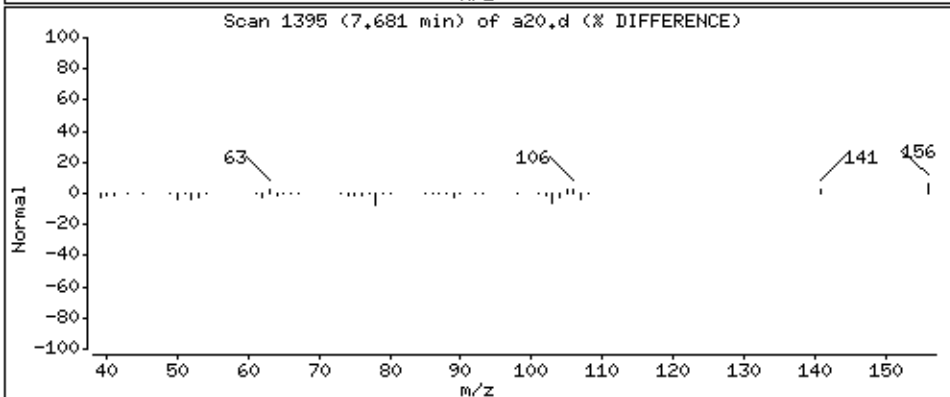
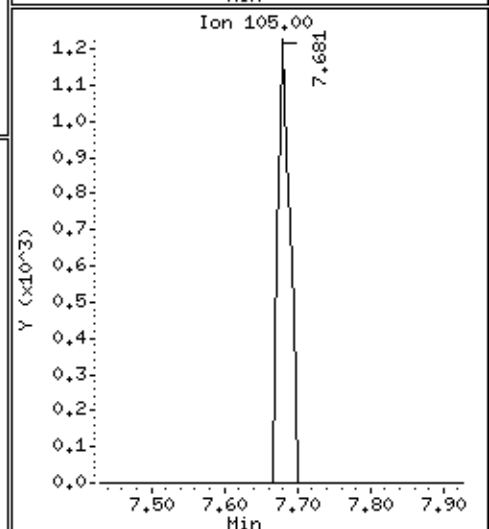
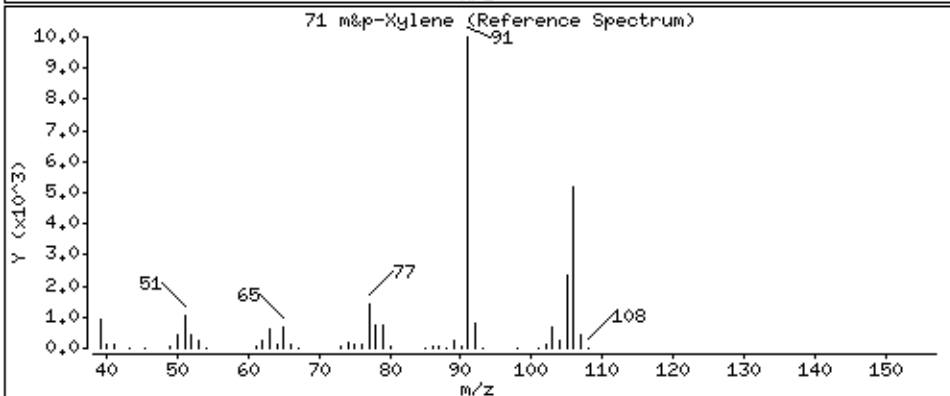
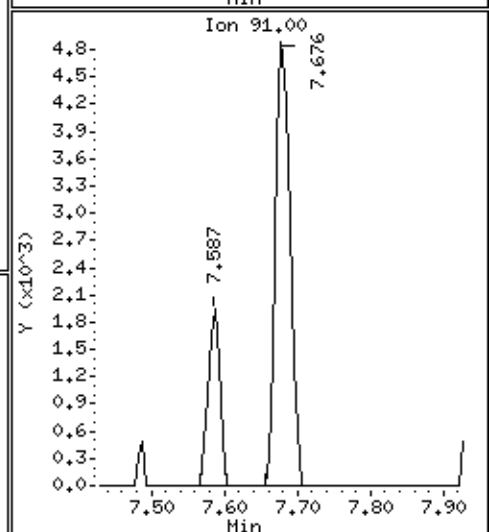
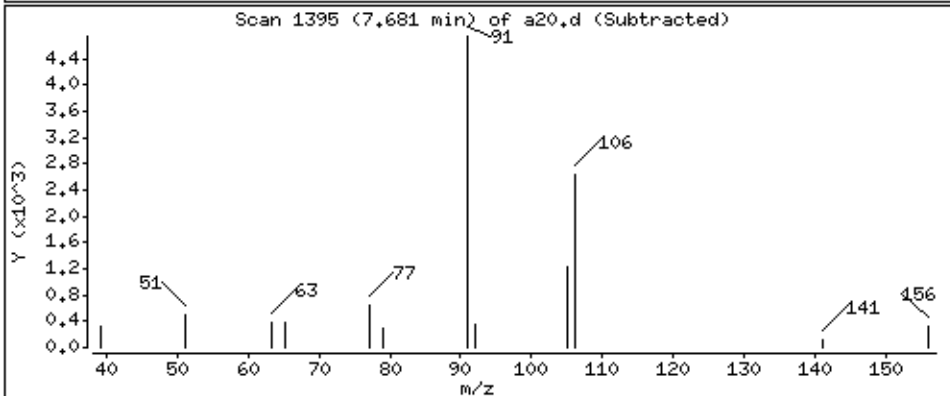
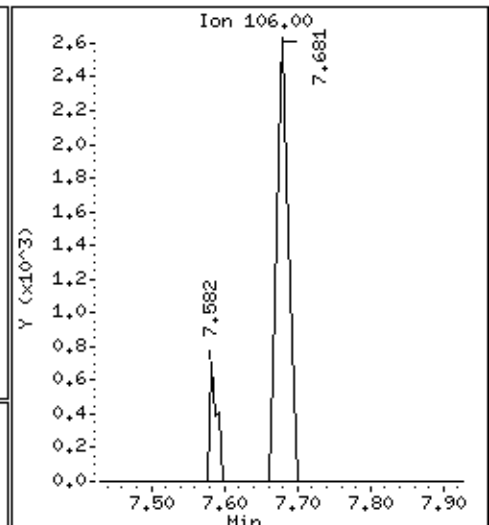
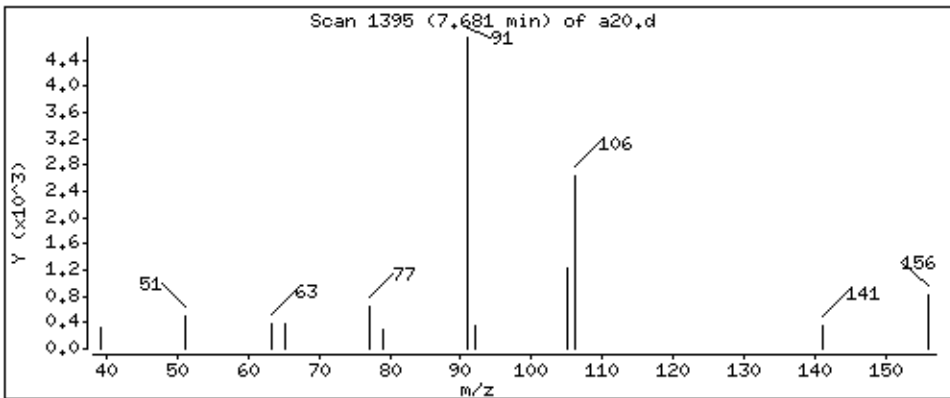
Operator: grm

Column phase: DB-624

Column diameter: 0,18

71 m&p-Xylene

Concentration: 1,28 ppb



Date : 02-JUL-2014 21:58

Client ID: P-9 (13-15)

Instrument: 50mv1a.i

Sample Info: 5099627017

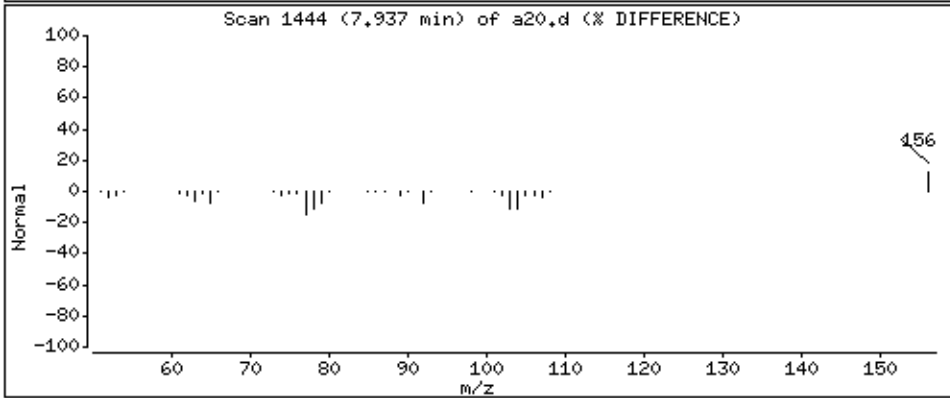
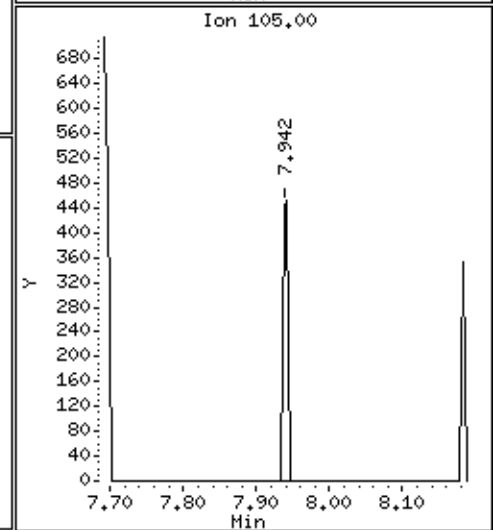
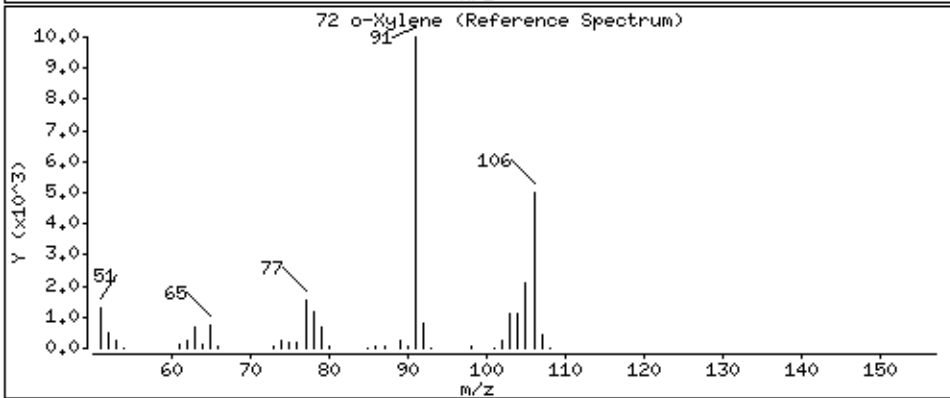
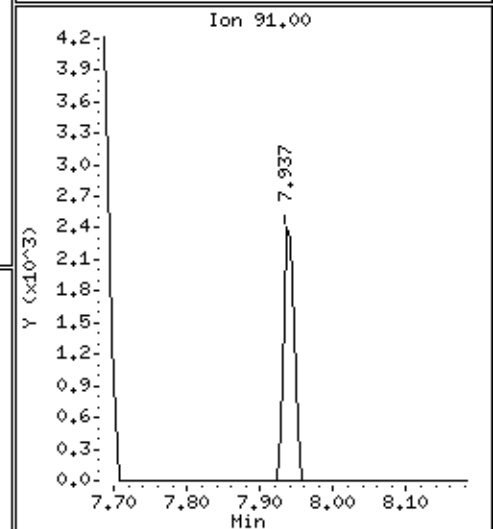
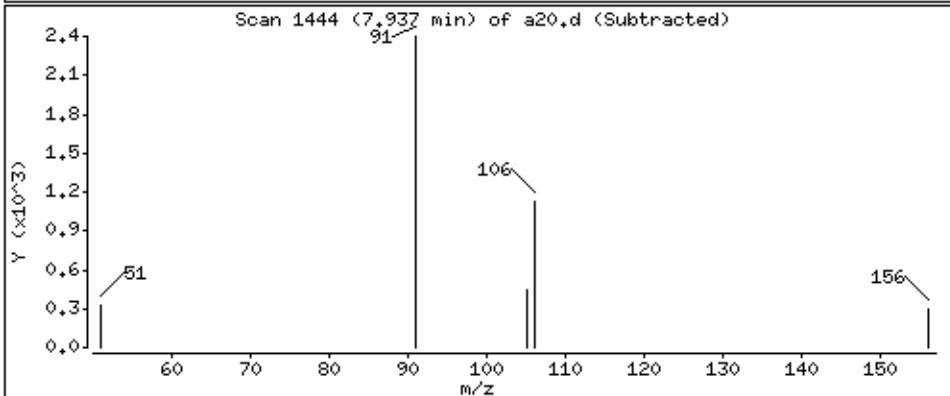
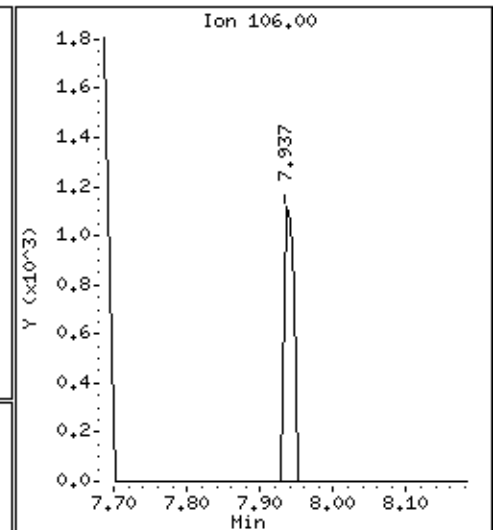
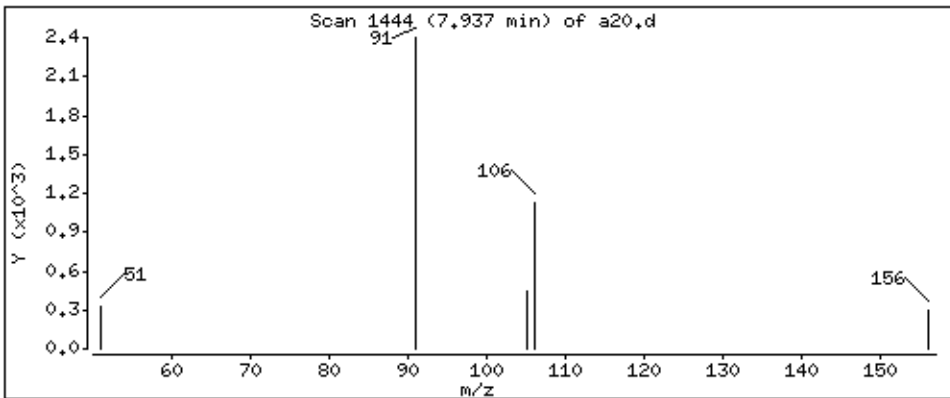
Operator: grm

Column phase: DB-624

Column diameter: 0,18

72 o-Xylene

Concentration: 0,482 ppb



Date : 02-JUL-2014 21:58

Client ID: P-9 (13-15)

Instrument: 50mv1a.i

Sample Info: 5099627017

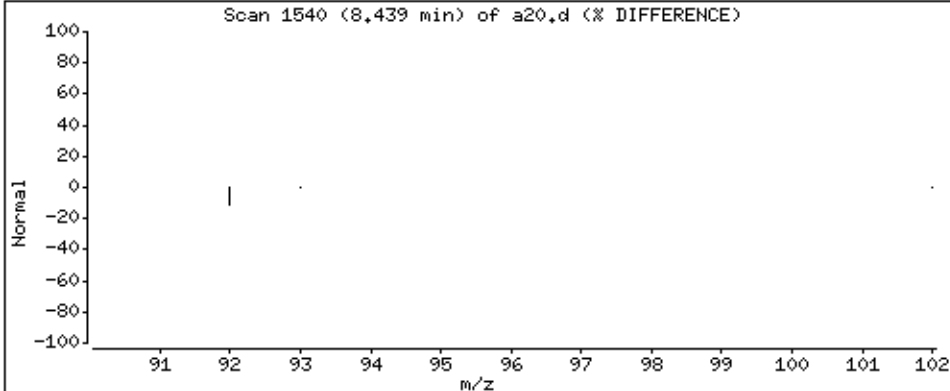
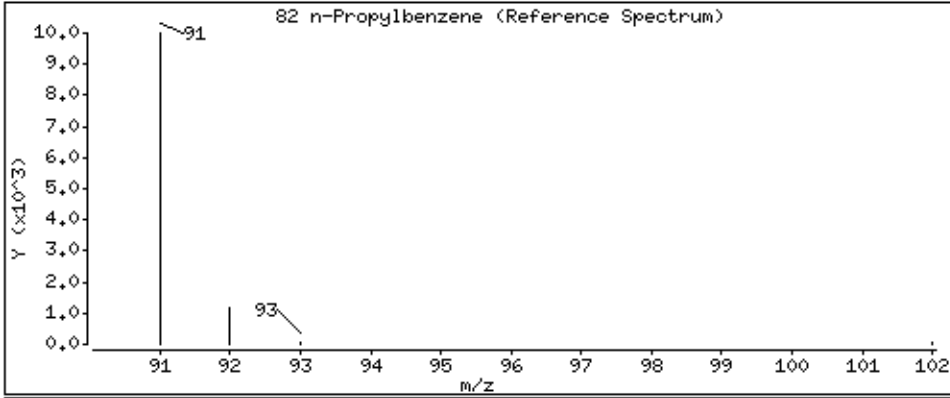
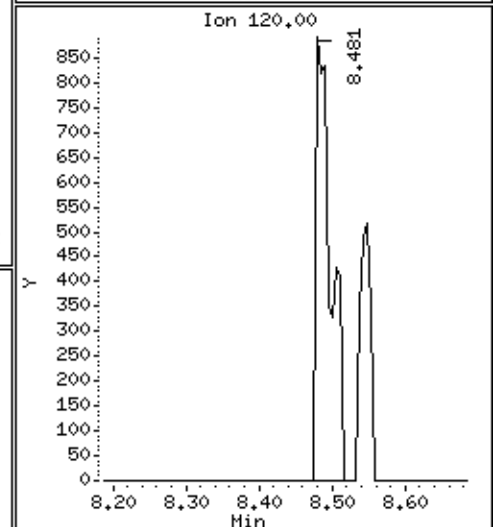
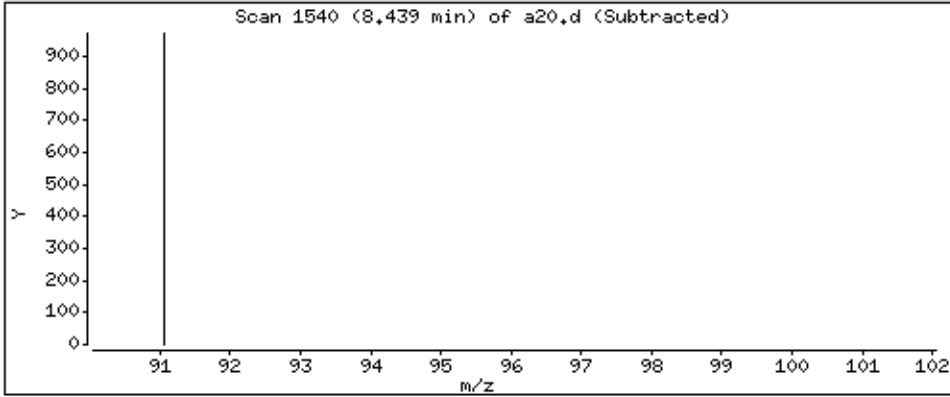
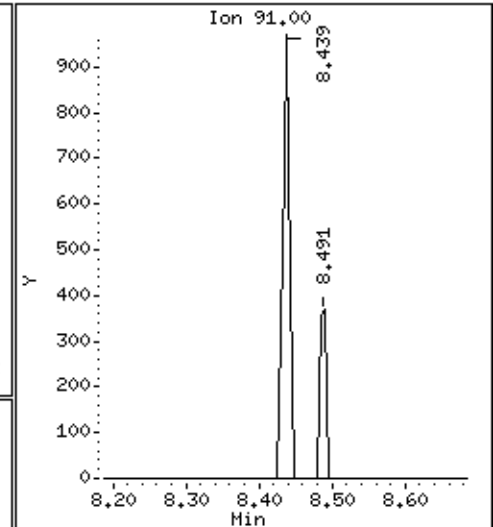
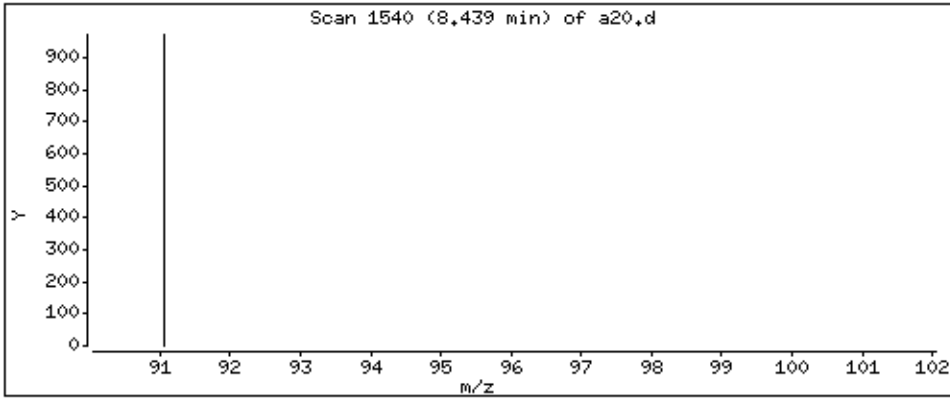
Operator: grm

Column phase: DB-624

Column diameter: 0,18

82 n-Propylbenzene

Concentration: 0,0875 ppb



Date : 02-JUL-2014 21:58

Client ID: P-9 (13-15)

Instrument: 50mv1a.i

Sample Info: 5099627017

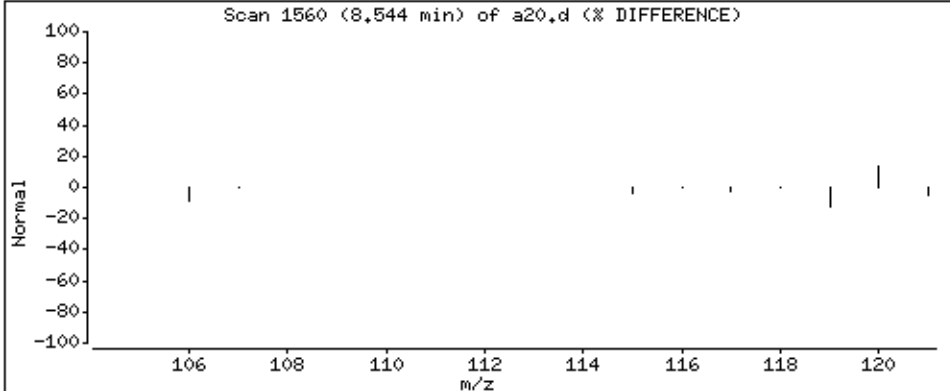
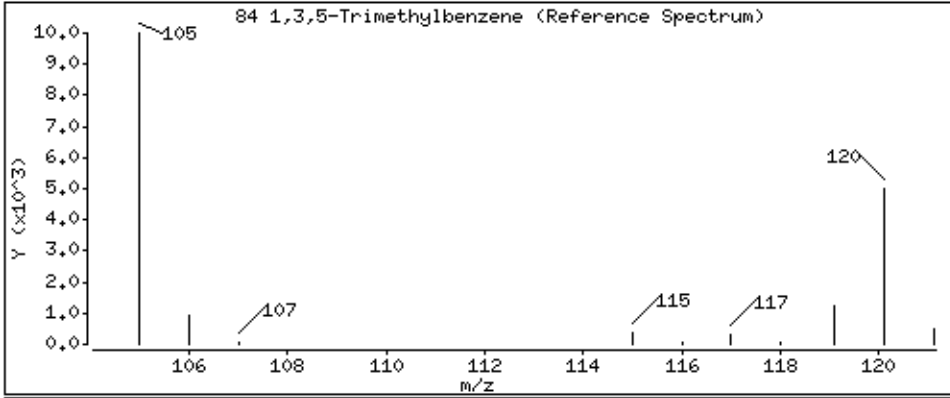
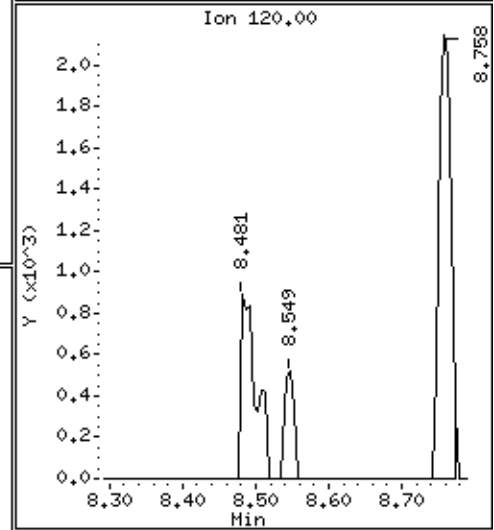
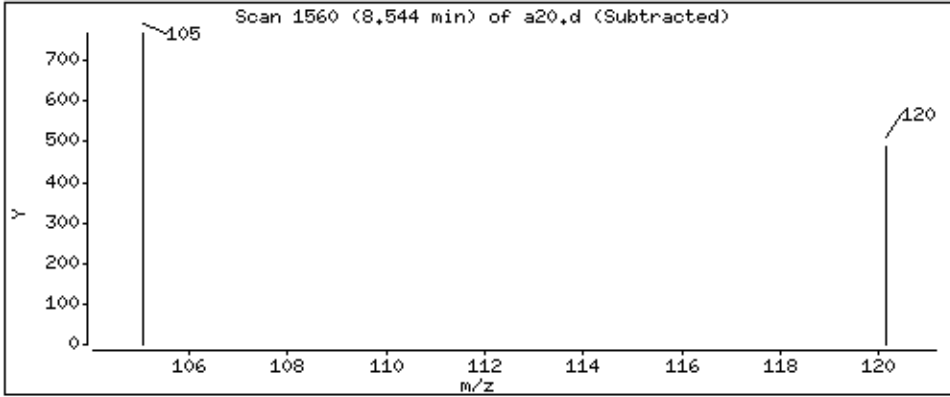
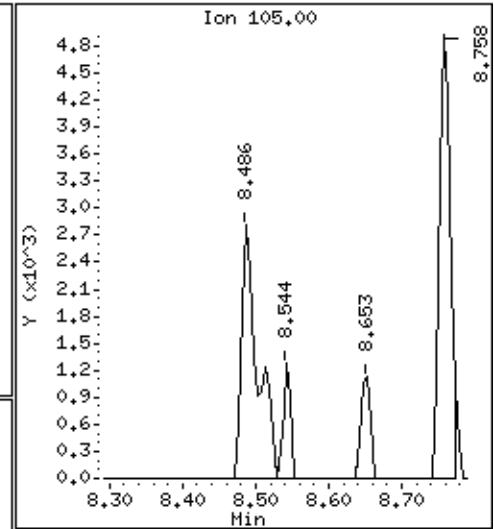
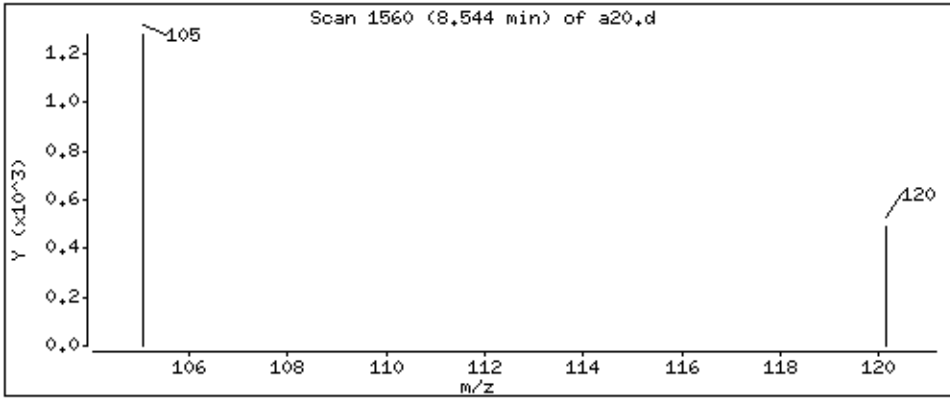
Operator: grm

Column phase: DB-624

Column diameter: 0,18

84 1,3,5-Trimethylbenzene

Concentration: 0,167 ppb



Date : 02-JUL-2014 21:58

Client ID: P-9 (13-15)

Instrument: 50mv1a.i

Sample Info: 5099627017

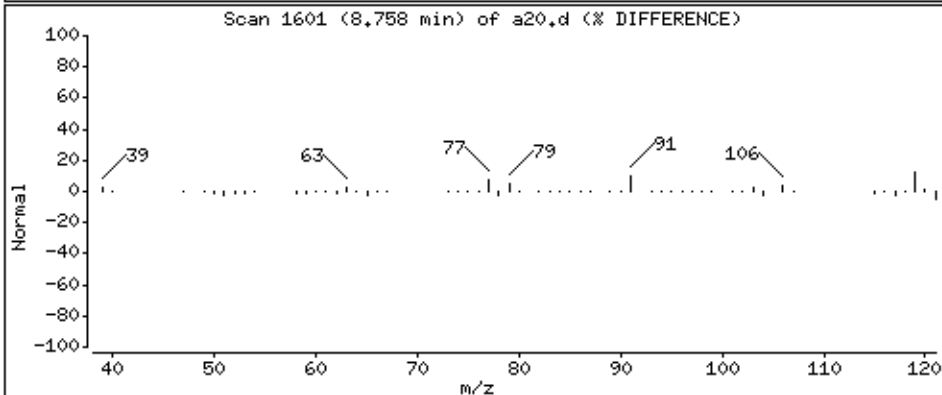
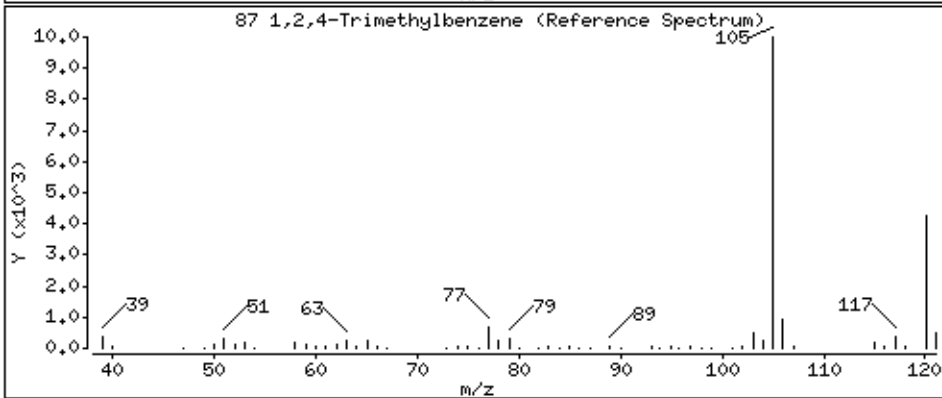
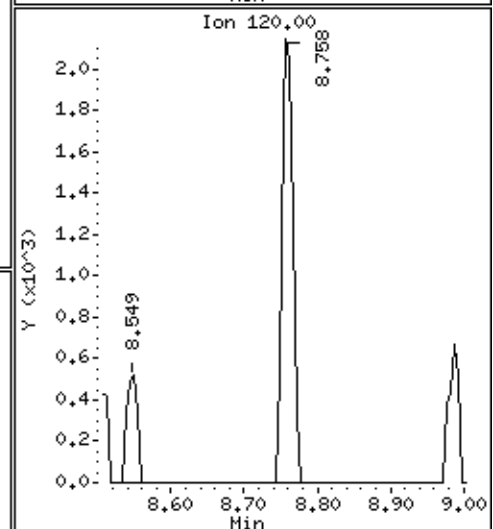
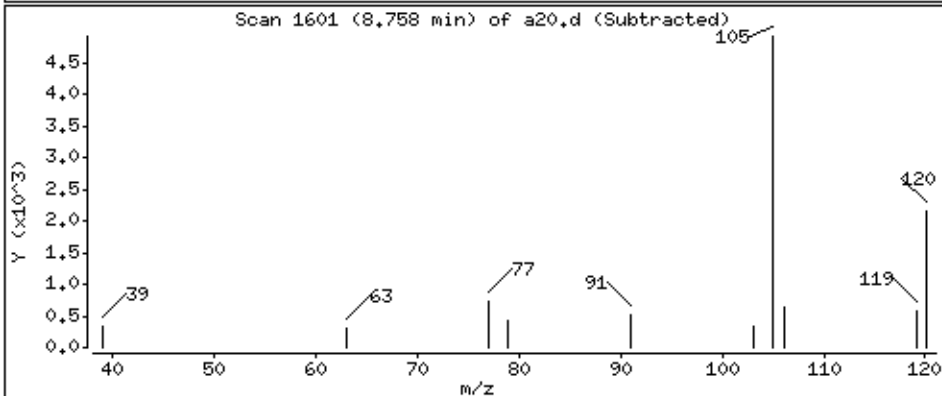
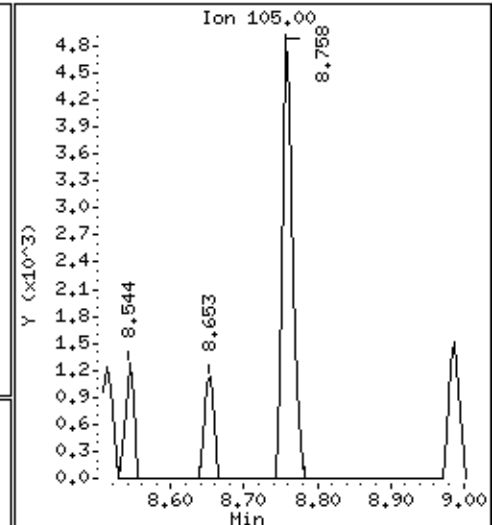
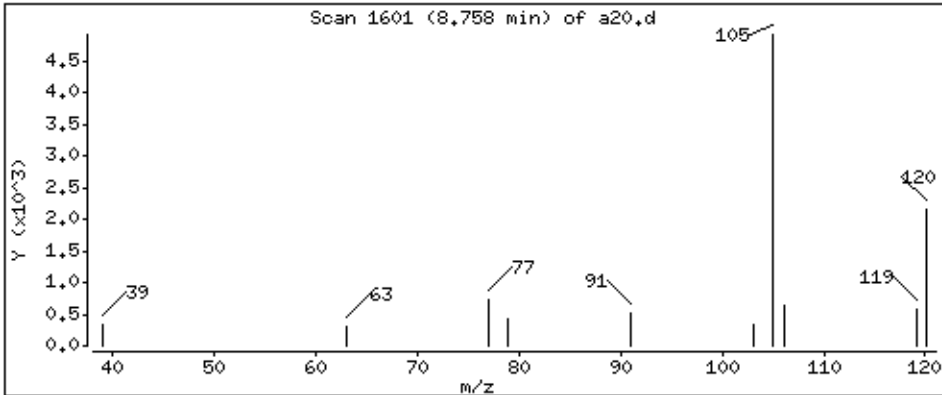
Operator: grm

Column phase: DB-624

Column diameter: 0,18

87 1,2,4-Trimethylbenzene

Concentration: 0,917 ppb



Date : 02-JUL-2014 21:58

Client ID: P-9 (13-15)

Instrument: 50mv1a.i

Sample Info: 5099627017

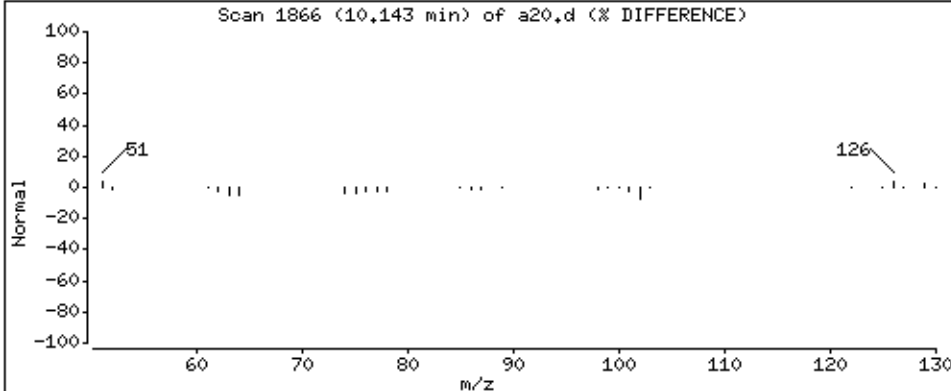
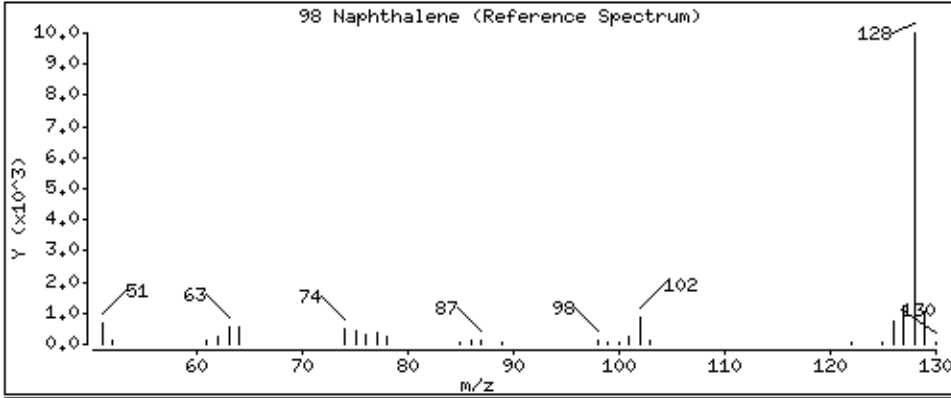
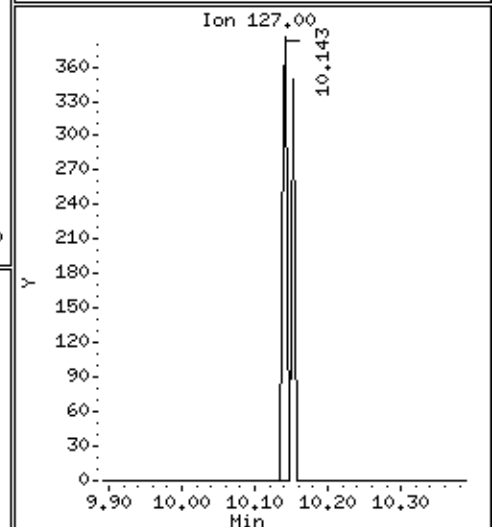
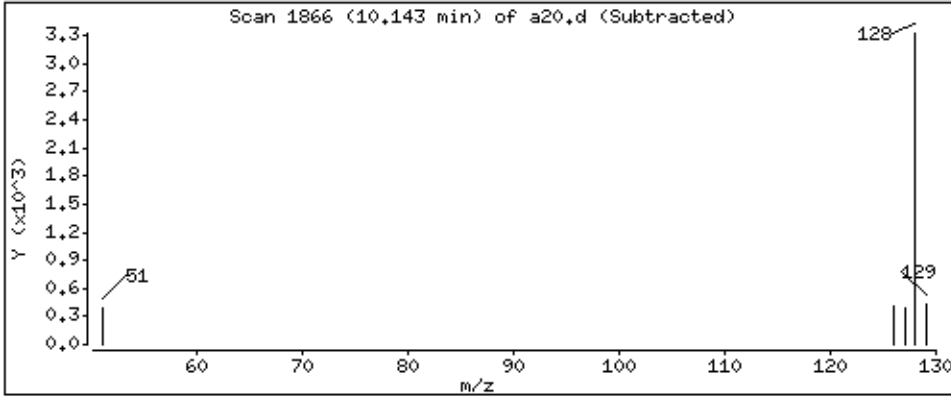
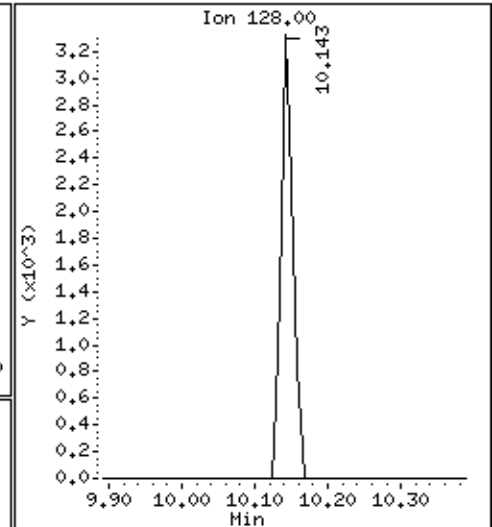
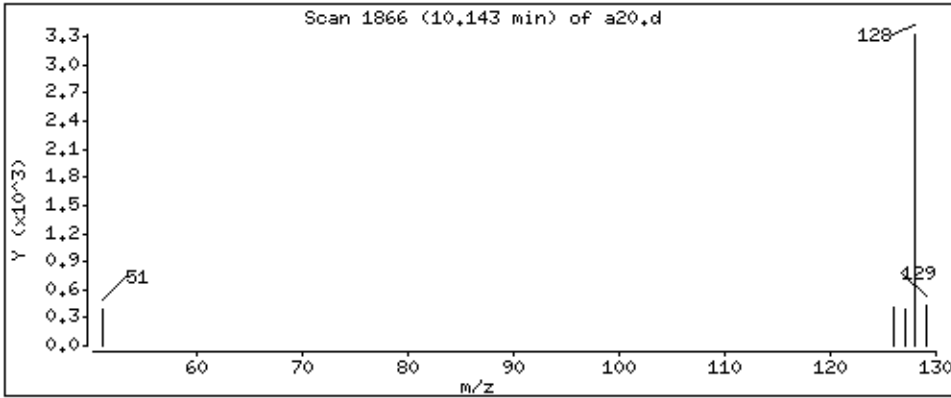
Operator: grm

Column phase: DB-624

Column diameter: 0,18

98 Naphthalene

Concentration: 1.48 ppb



Date : 02-JUL-2014 21:58

Client ID: P-9 (13-15)

Instrument: 50mv1a.i

Sample Info: 5099627017

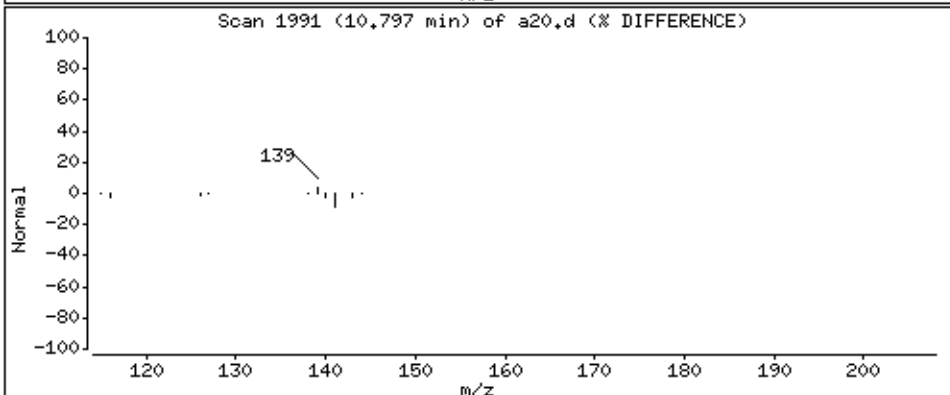
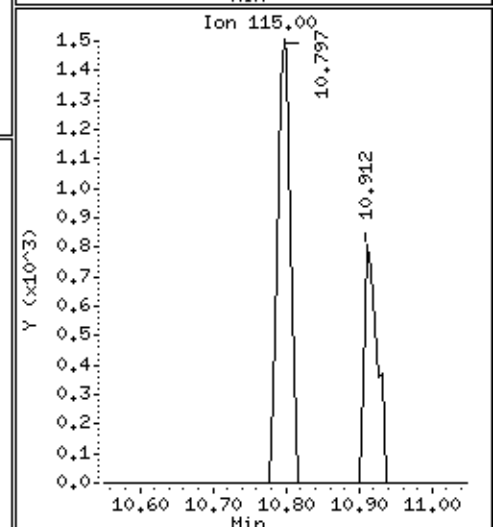
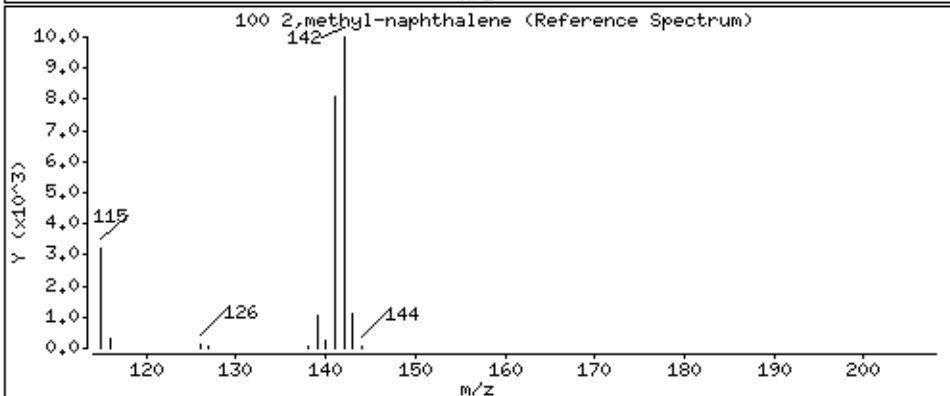
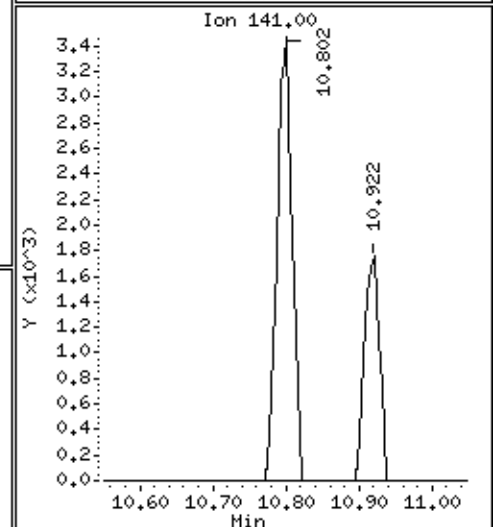
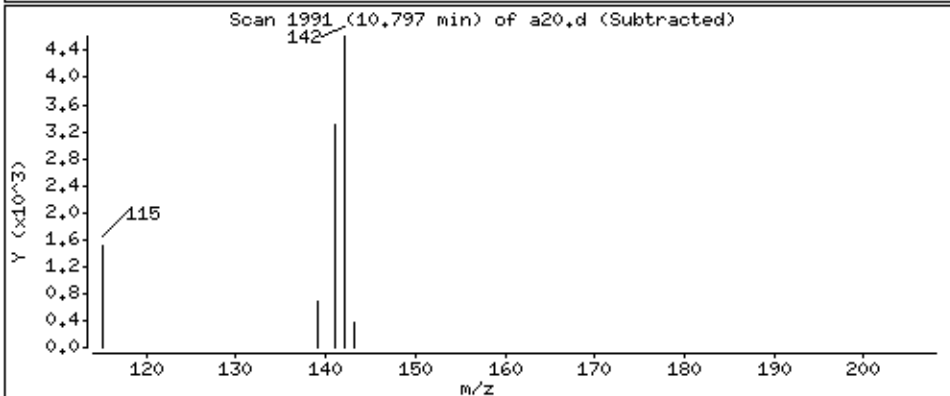
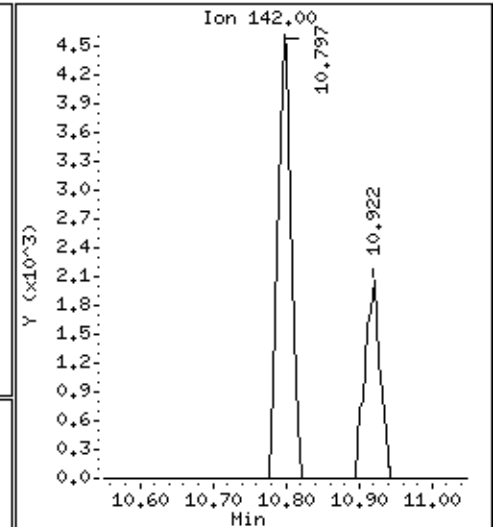
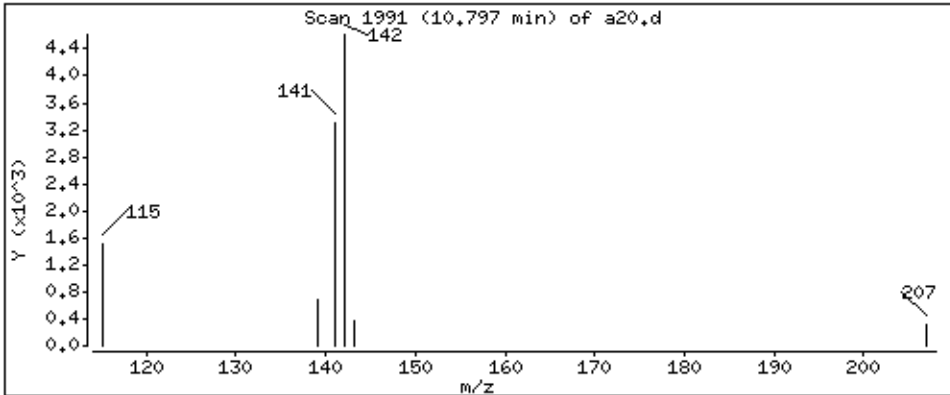
Operator: grm

Column phase: DB-624

Column diameter: 0,18

100 2,methyl-naphthalene

Concentration: 3,50 ppb



Date : 02-JUL-2014 21:58

Client ID: P-9 (13-15)

Instrument: 50mv1a.i

Sample Info: 5099627017

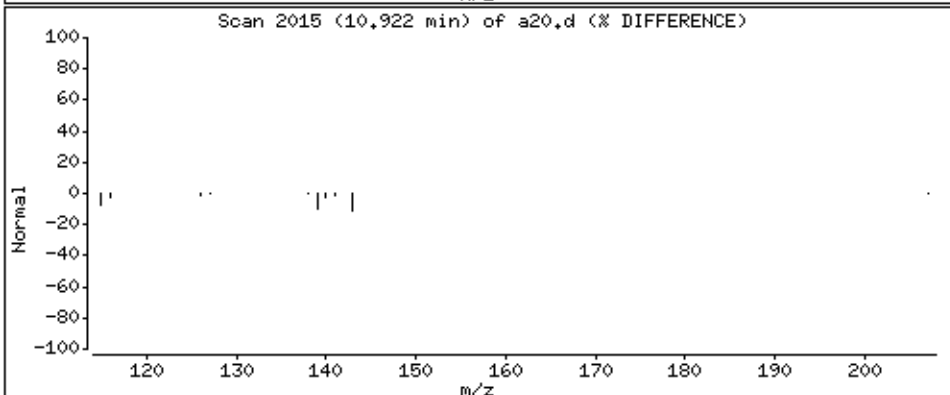
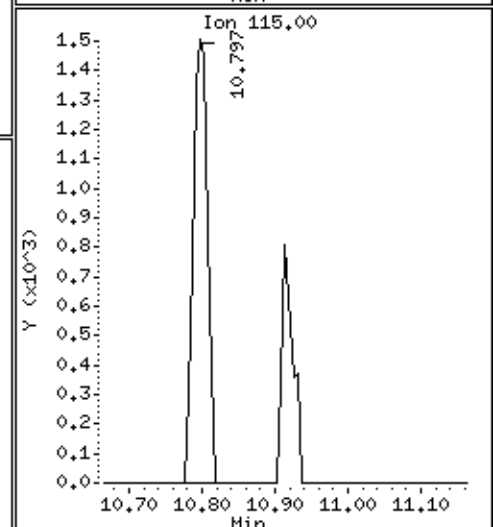
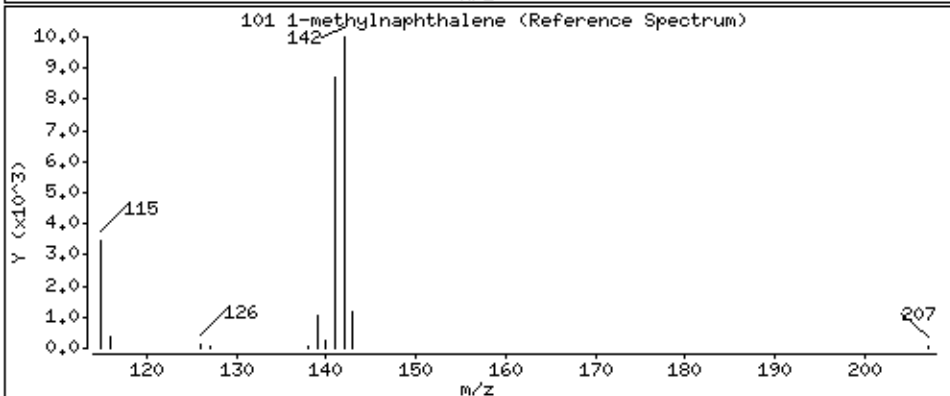
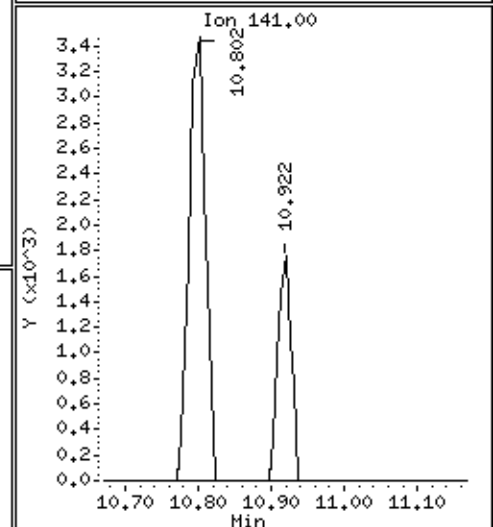
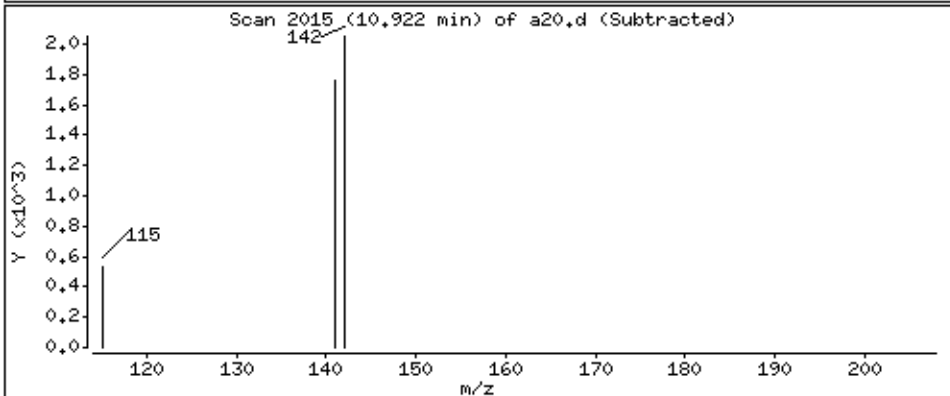
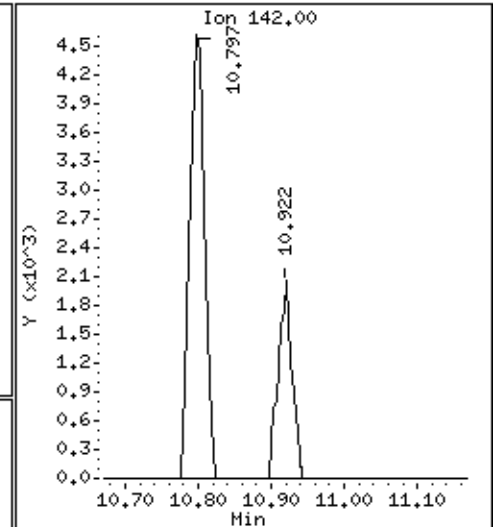
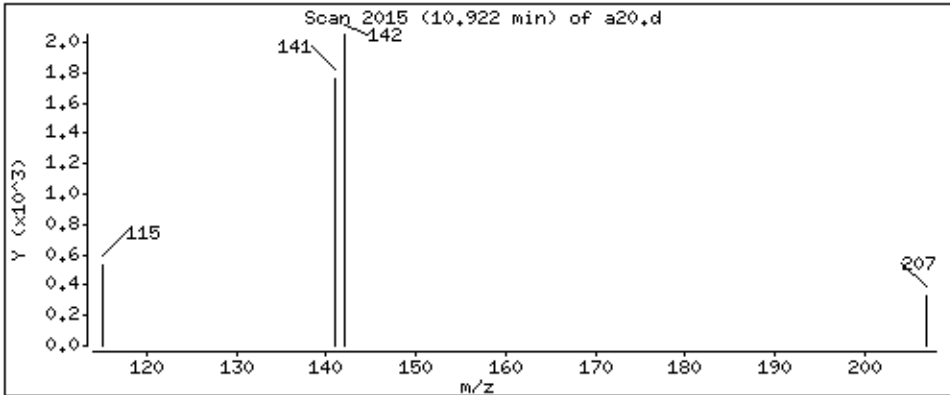
Operator: grm

Column phase: DB-624

Column diameter: 0,18

101 1-methylnaphthalene

Concentration: 1,94 ppb



Data File: \\192.168.50.6\chem\50mv1a.i\a070214.b/a20.d
Injection Date: 02-JUL-2014 21:58
Instrument: 50mv1a.i
Lab Sample ID: 5099627017
NO SIGNAL MANUAL INTEGRATIONS DONE FOR THIS DATA FILE

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

SAMPLE NO.

Surf-Dupe

Lab Name: Pace Analytical - Indiana
Date Received: 06/20/2014 10:42
Date Extracted: 07/03/2014 04:40
Date Analyzed: 07/03/2014 04:40
Initial wt/vol: 6.922 g Final wt/vol: 5 mL Dilution: 1

Contract: Sibley - Accucast
Matrix: Solid SDG No.: 5099627
Lab Sample ID: 5099627018
Lab File ID: A070214.B\C11.D
Instrument: 50MV1A Percent Moisture: 18.0%

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

07/17/2014 9:25

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

SAMPLE NO.

Surf-Dupe

Lab Name: Pace Analytical - Indiana
Date Received: 06/20/2014 10:42
Date Extracted: 07/03/2014 04:40
Date Analyzed: 07/03/2014 04:40
Initial wt/vol: 6.922 g Final wt/vol: 5 mL Dilution: 1

Contract: Sibley - Accucast
Matrix: Solid SDG No.: 5099627
Lab Sample ID: 5099627018
Lab File ID: A070214.B\C11.D
Instrument: 50MV1A Percent Moisture: 18.0%

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

07/17/2014 9:25

Pace Analytical Services, Inc.

Data file : \\192.168.50.6\chem\50mv1a.i\a070214.b\c11.d
 Lab Smp Id: 5099627018 Client Smp ID: Surf-Dupe
 Inj Date : 03-JUL-2014 04:40
 Operator : grm Inst ID: 50mv1a.i
 Smp Info : 5099627018
 Misc Info : 66438
 Comment :
 Method : \\192.168.50.6\chem\50mv1a.i\a070214.b\a8260_a_c.m
 Meth Date : 03-Jul-2014 14:04 50mv1a.i Quant Type: ISTD
 Cal Date : 19-JUN-2014 17:44 Cal File: a08cal.d
 Als bottle: 65
 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	17.958	% 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	(ppb)	(ppb)	
29 1,2-Dichloroethene (cis)	96		3.043	3.038	(0.690)	998	0.64605	0.787 (Q)	
\$ 38 Dibromofluoromethane (S)	113		3.587	3.582	(0.813)	58278	46.8485	57.1	
* 46 Fluorobenzene (IS)	96		4.413	4.408	(1.000)	258482	50.0000		
\$ 57 Toluene-d8	98		6.211	6.212	(0.830)	249702	50.2981	61.3	
58 Toluene	91		6.284	6.285	(0.839)	641	0.10216	0.124	
62 Tetrachloroethene	166		6.776	6.777	(0.905)	1335	0.69638	0.849	
* 67 Chlorobenzene-D5 (IS)	117		7.487	7.488	(1.000)	188277	50.0000		
\$ 76 4-Bromofluorobenzene	95		8.292	8.293	(1.108)	94267	46.8150	57.1	
* 91 1,4-Dichlorobenzene-d4 (IS)	152		8.966	8.967	(1.000)	102873	50.0000		
94 1,2-Dichlorobenzene	146		9.170	9.171	(1.023)	247	0.08720	0.106 (Q)	
100 2,methyl-naphthalene	142		10.801	10.797	(1.205)	1211	0.61834	0.754	

QC Flag Legend

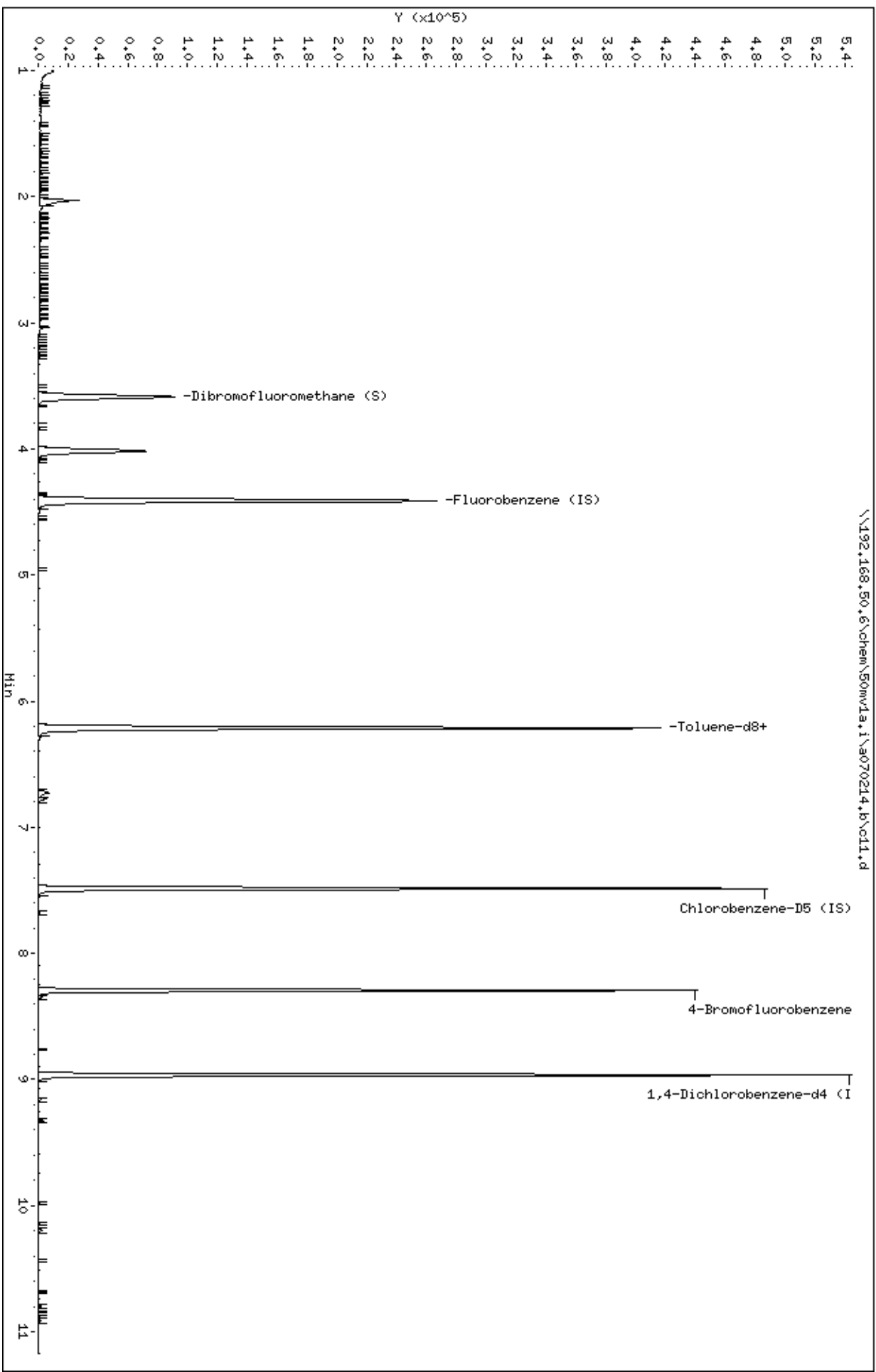
Q - Qualifier signal failed the ratio test.

Review Codes Legend

:

Column phase: DB-624

Operator: grm
Column diameter: 0.18



Date : 03-JUL-2014 04:40

Client ID: Surf-Dupe

Instrument: 50mv1a.i

Sample Info: 5099627018

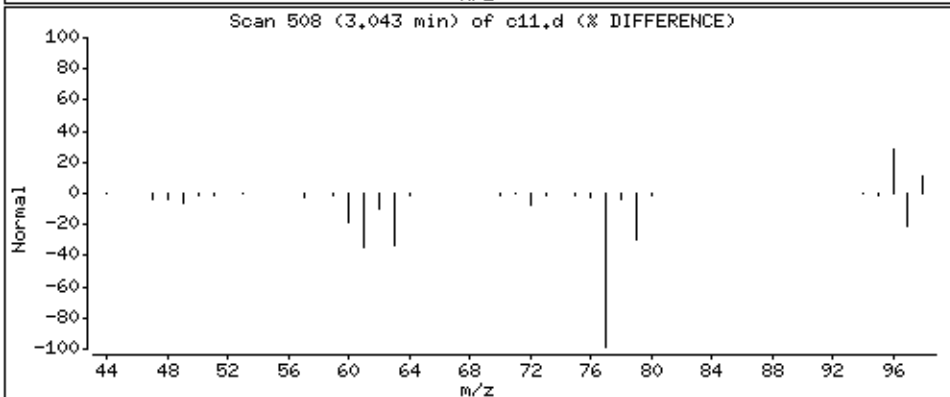
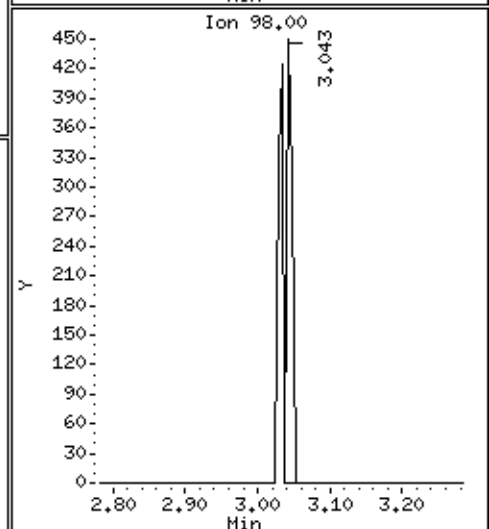
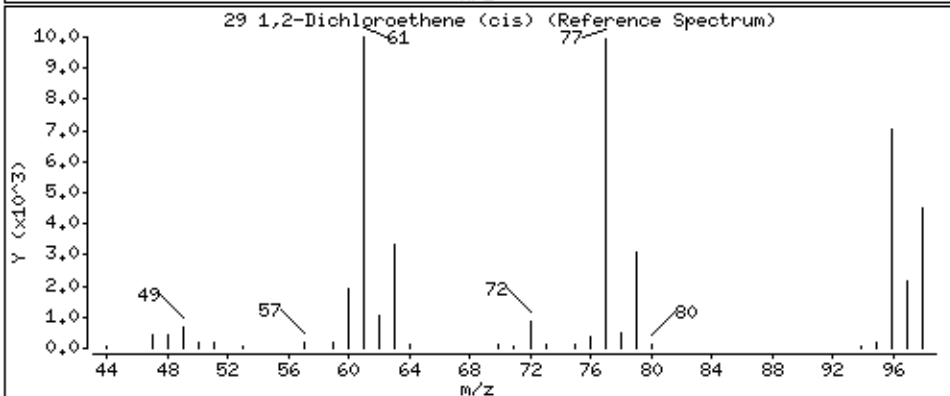
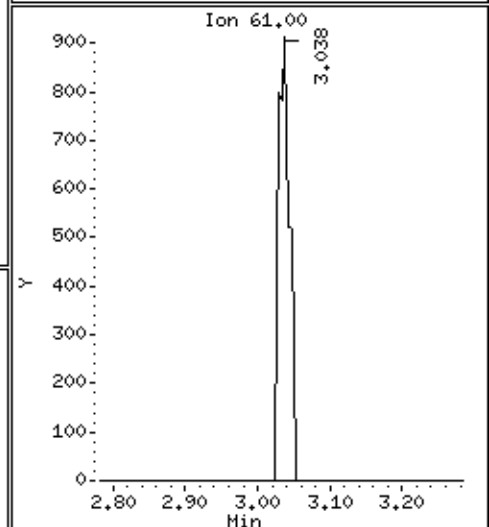
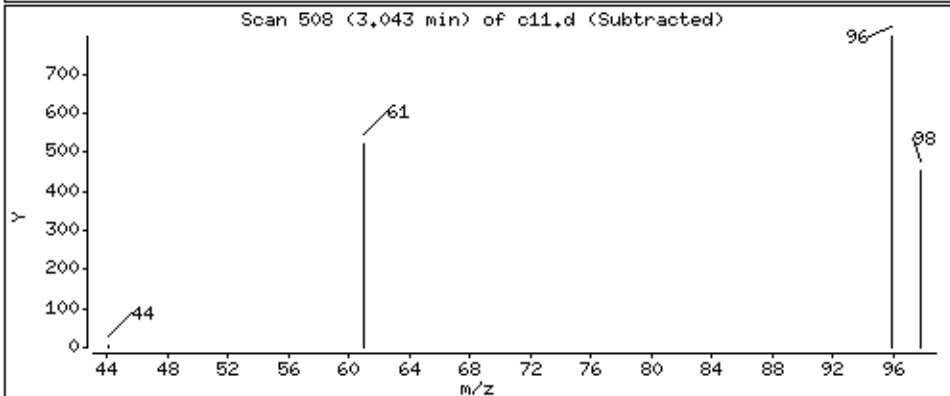
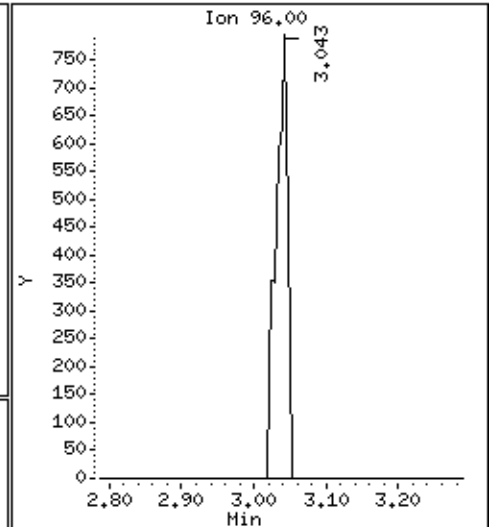
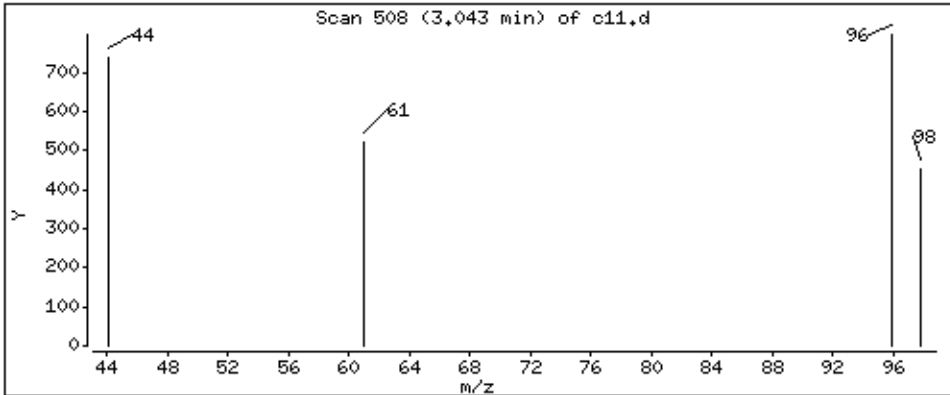
Operator: grm

Column phase: DB-624

Column diameter: 0,18

29 1,2-Dichloroethene (cis)

Concentration: 0,787 ppb



Date : 03-JUL-2014 04:40

Client ID: Surf-Dupe

Instrument: 50mv1a.i

Sample Info: 5099627018

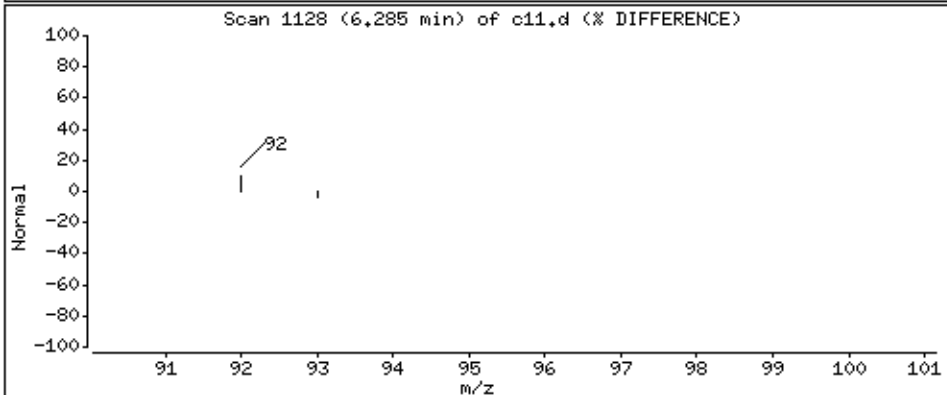
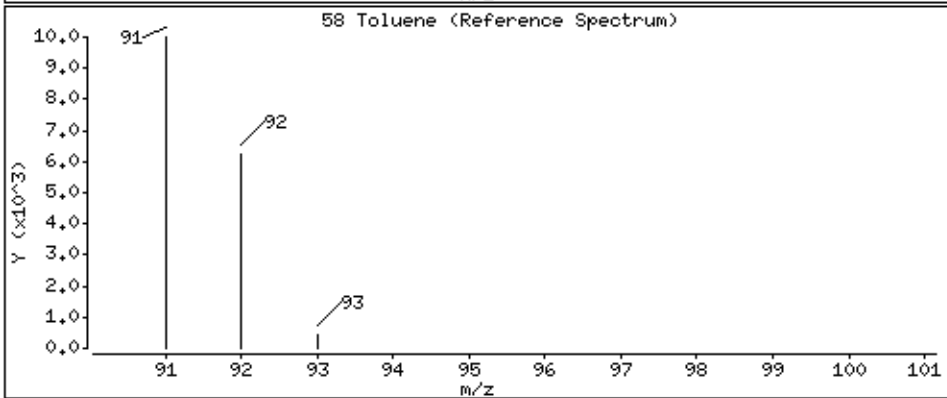
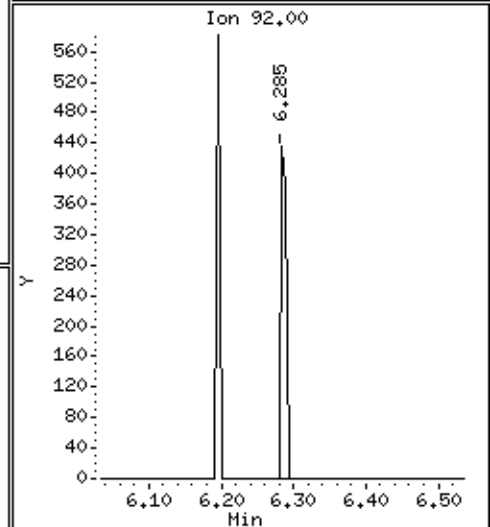
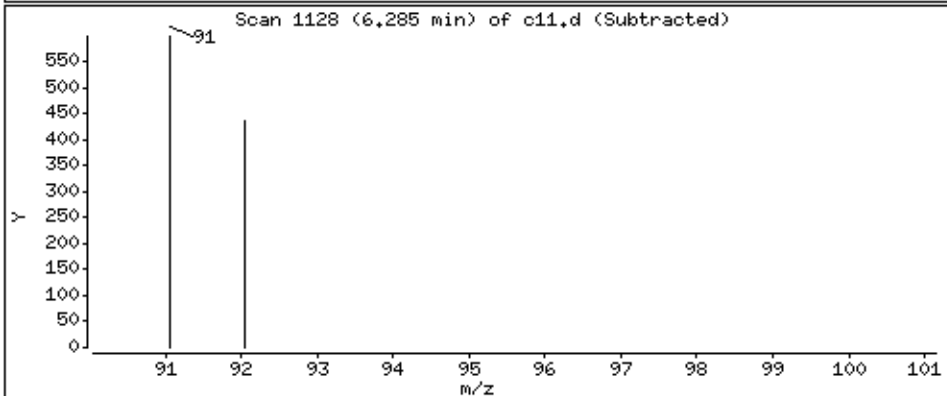
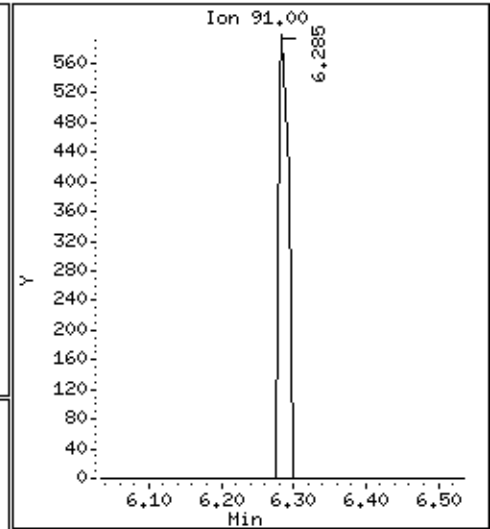
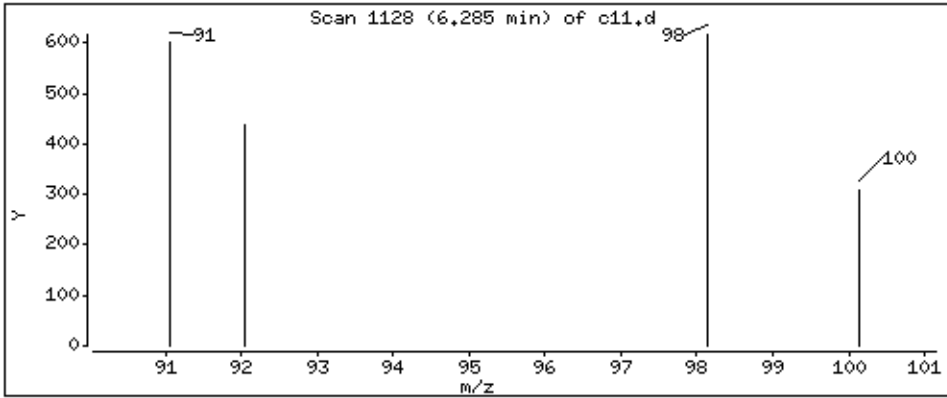
Operator: grm

Column phase: DB-624

Column diameter: 0,18

58 Toluene

Concentration: 0,124 ppb



Date : 03-JUL-2014 04:40

Client ID: Surf-Dupe

Instrument: 50mv1a.i

Sample Info: 5099627018

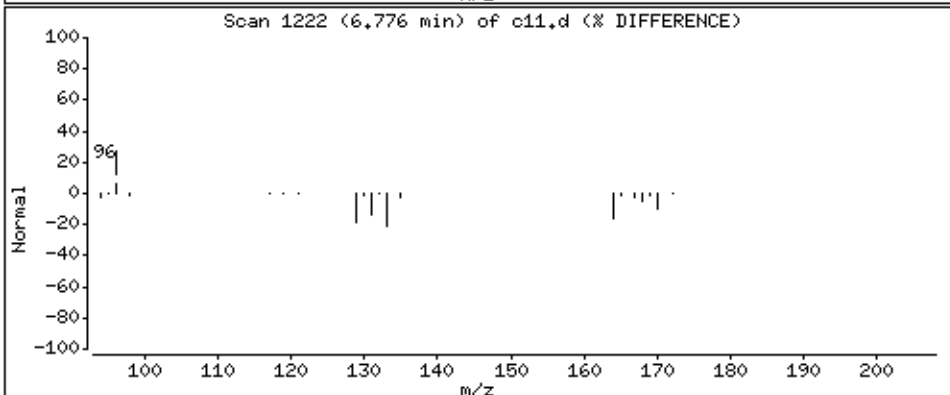
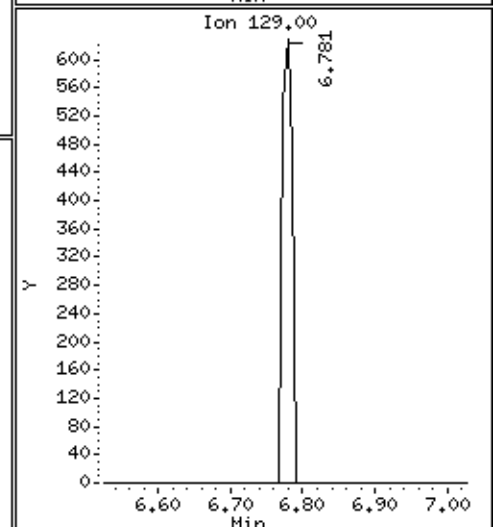
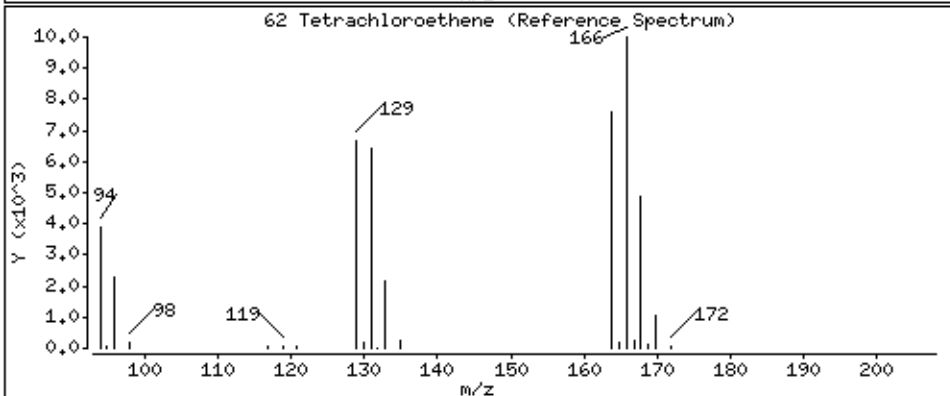
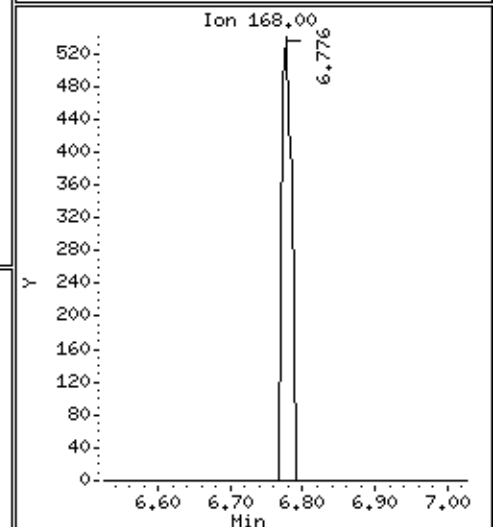
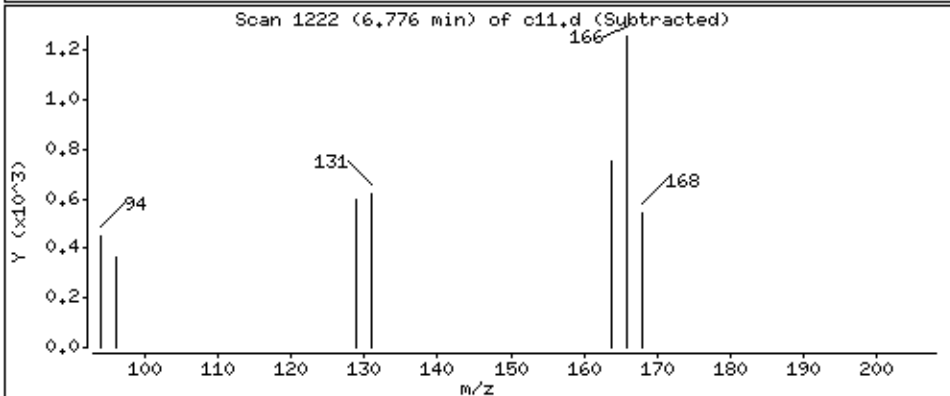
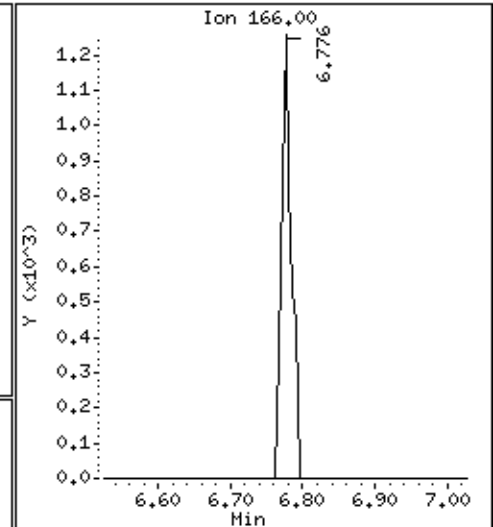
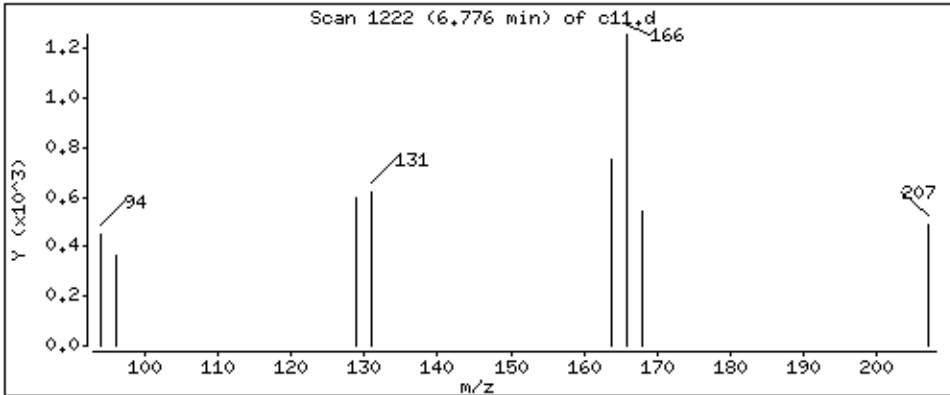
Operator: grm

Column phase: DB-624

Column diameter: 0,18

62 Tetrachloroethene

Concentration: 0,849 ppb



Date : 03-JUL-2014 04:40

Client ID: Surf-Dupe

Instrument: 50mv1a.i

Sample Info: 5099627018

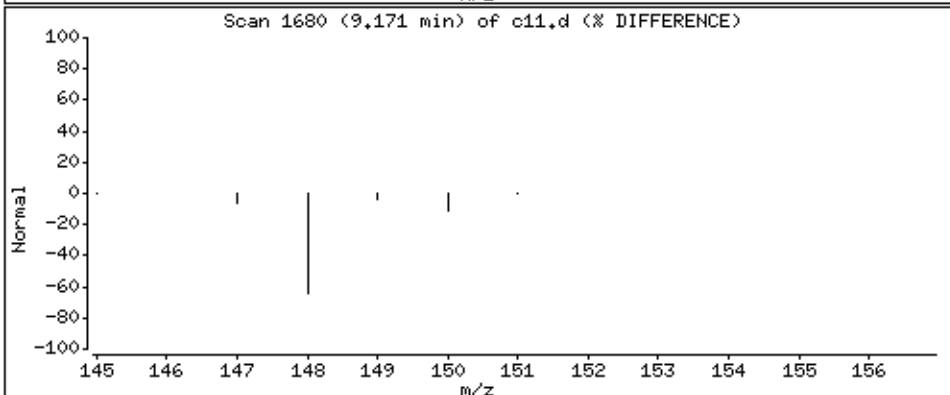
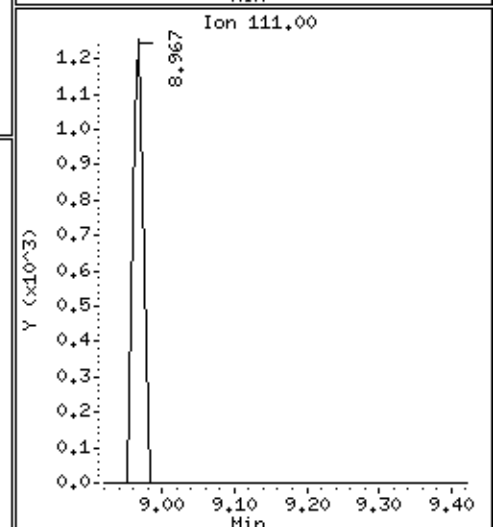
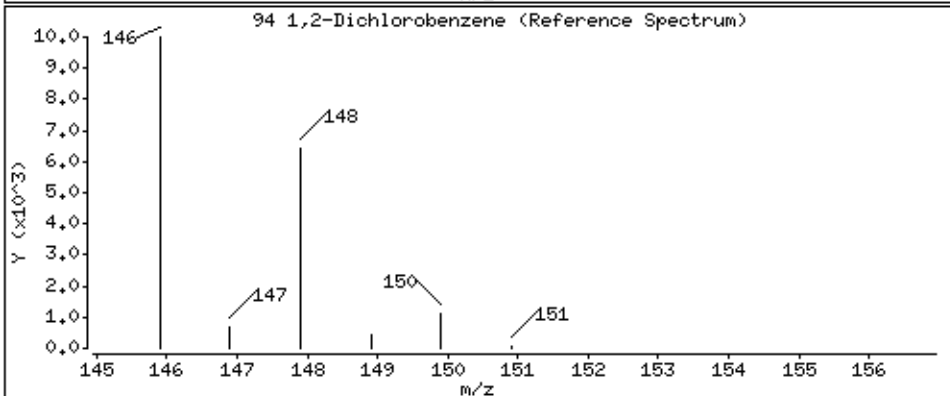
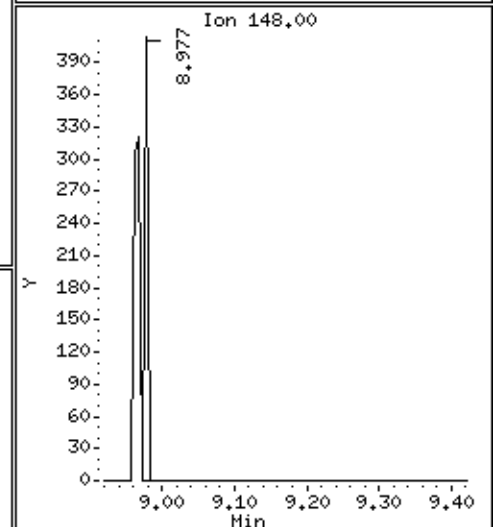
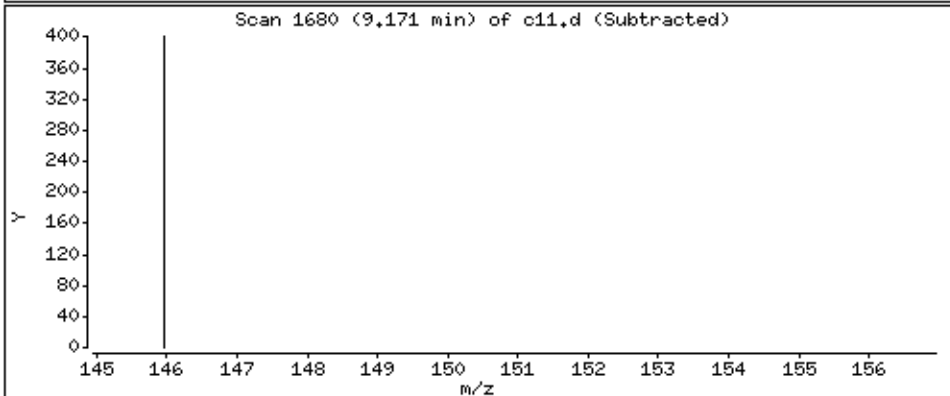
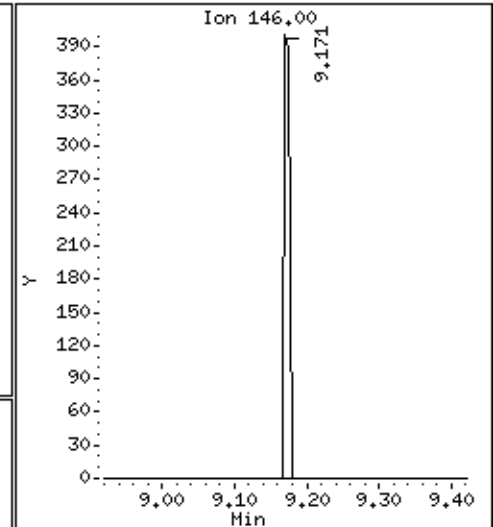
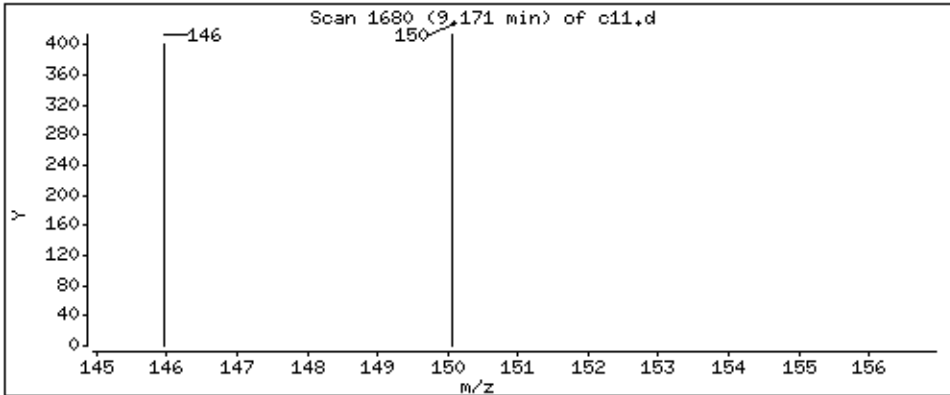
Operator: grm

Column phase: DB-624

Column diameter: 0,18

94 1,2-Dichlorobenzene

Concentration: 0,106 ppb



Date : 03-JUL-2014 04:40

Client ID: Surf-Dupe

Instrument: 50mv1a.i

Sample Info: 5099627018

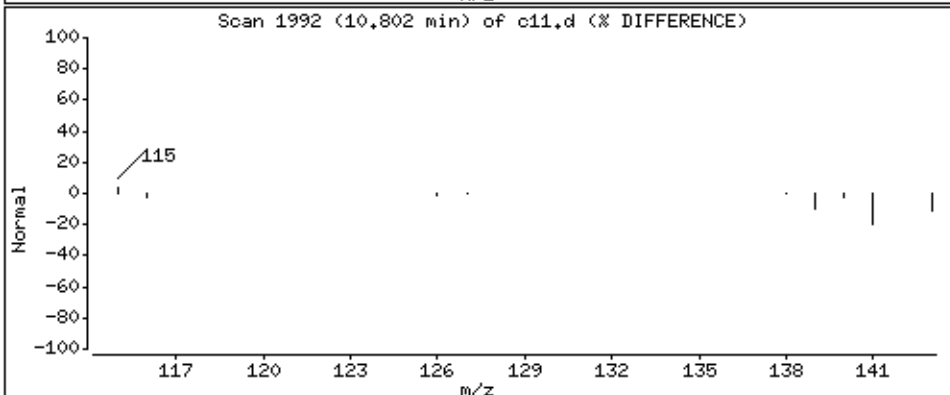
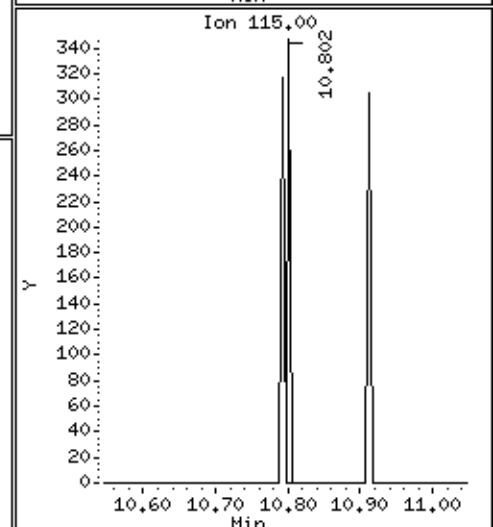
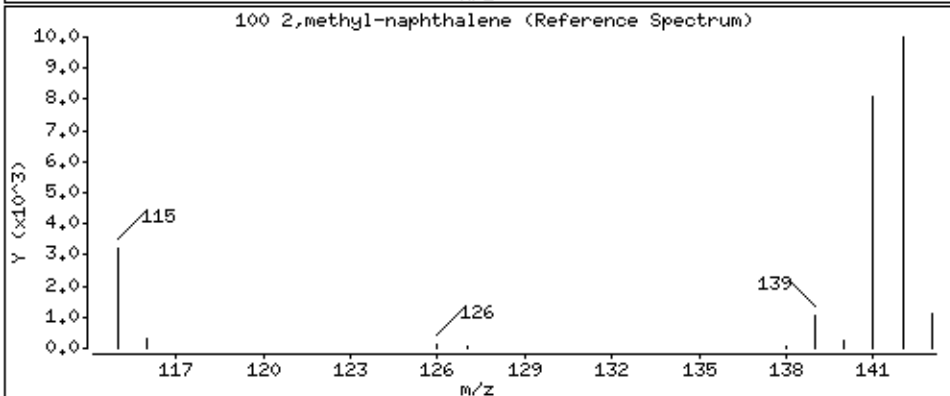
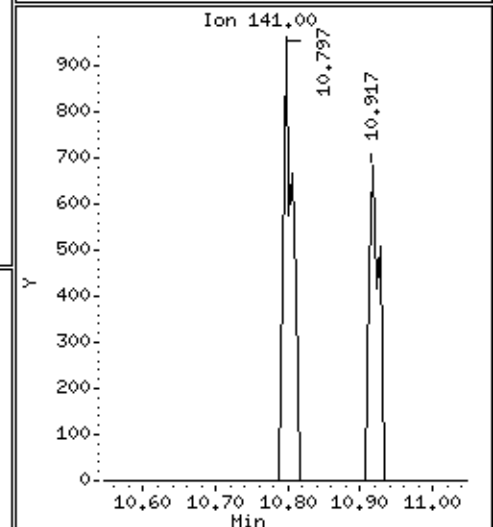
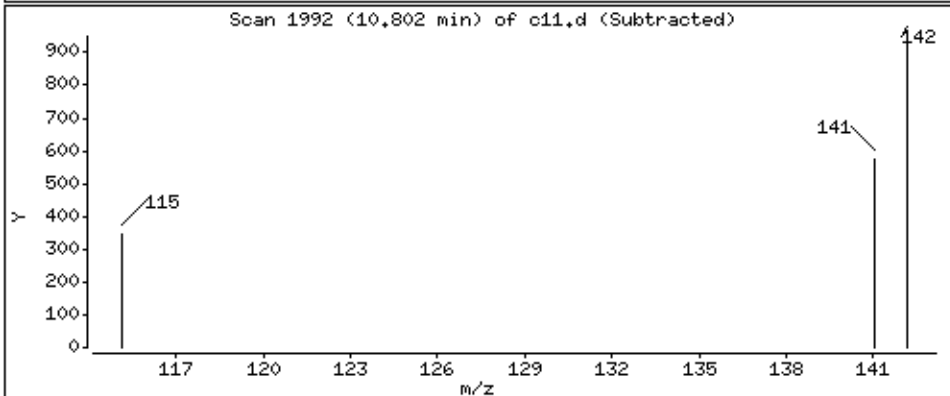
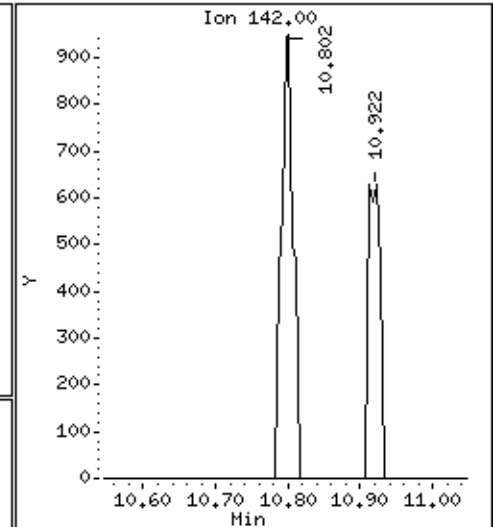
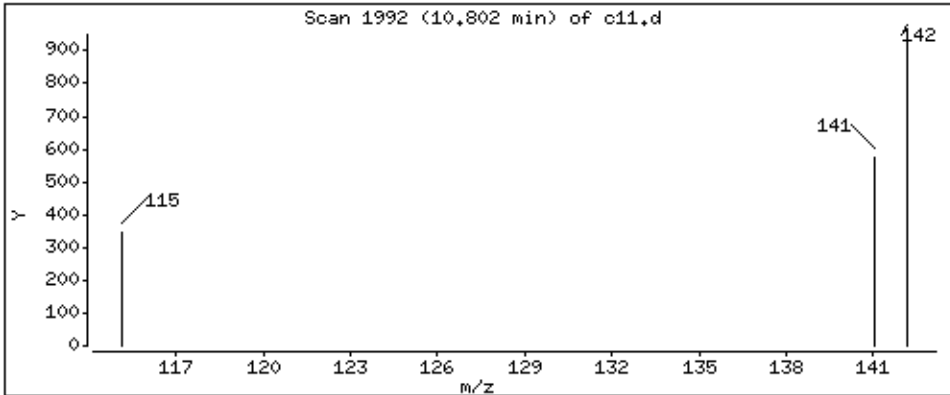
Operator: grm

Column phase: DB-624

Column diameter: 0,18

100 2,methyl-naphthalene

Concentration: 0,754 ppb



Data File: \\192.168.50.6\chem\50mv1a.i\a070214.b/c11.d
Injection Date: 03-JUL-2014 04:40
Instrument: 50mv1a.i
Lab Sample ID: 5099627018
NO SIGNAL MANUAL INTEGRATIONS DONE FOR THIS DATA FILE

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

SAMPLE NO.

Trip Blank

Lab Name: Pace Analytical - Indiana
Date Received: 06/20/2014 10:42
Date Extracted: 07/03/2014 05:13
Date Analyzed: 07/03/2014 05:13
Initial wt/vol: 5 g Final wt/vol: 5 mL Dilution: 1

Contract: Sibley - Accucast
Matrix: Solid SDG No.: 5099627
Lab Sample ID: 5099627019
Lab File ID: A070214.B\C12.D
Instrument: 50MV1A 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

07/17/2014 9:26

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

SAMPLE NO.

Trip Blank

Lab Name: Pace Analytical - Indiana
Date Received: 06/20/2014 10:42
Date Extracted: 07/03/2014 05:13
Date Analyzed: 07/03/2014 05:13
Initial wt/vol: 5 g Final wt/vol: 5 mL Dilution: 1

Contract: Sibley - Accucast
Matrix: Solid SDG No.: 5099627
Lab Sample ID: 5099627019
Lab File ID: A070214.B\C12.D
Instrument: 50MV1A 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

07/17/2014 9:26

Pace Analytical Services, Inc.

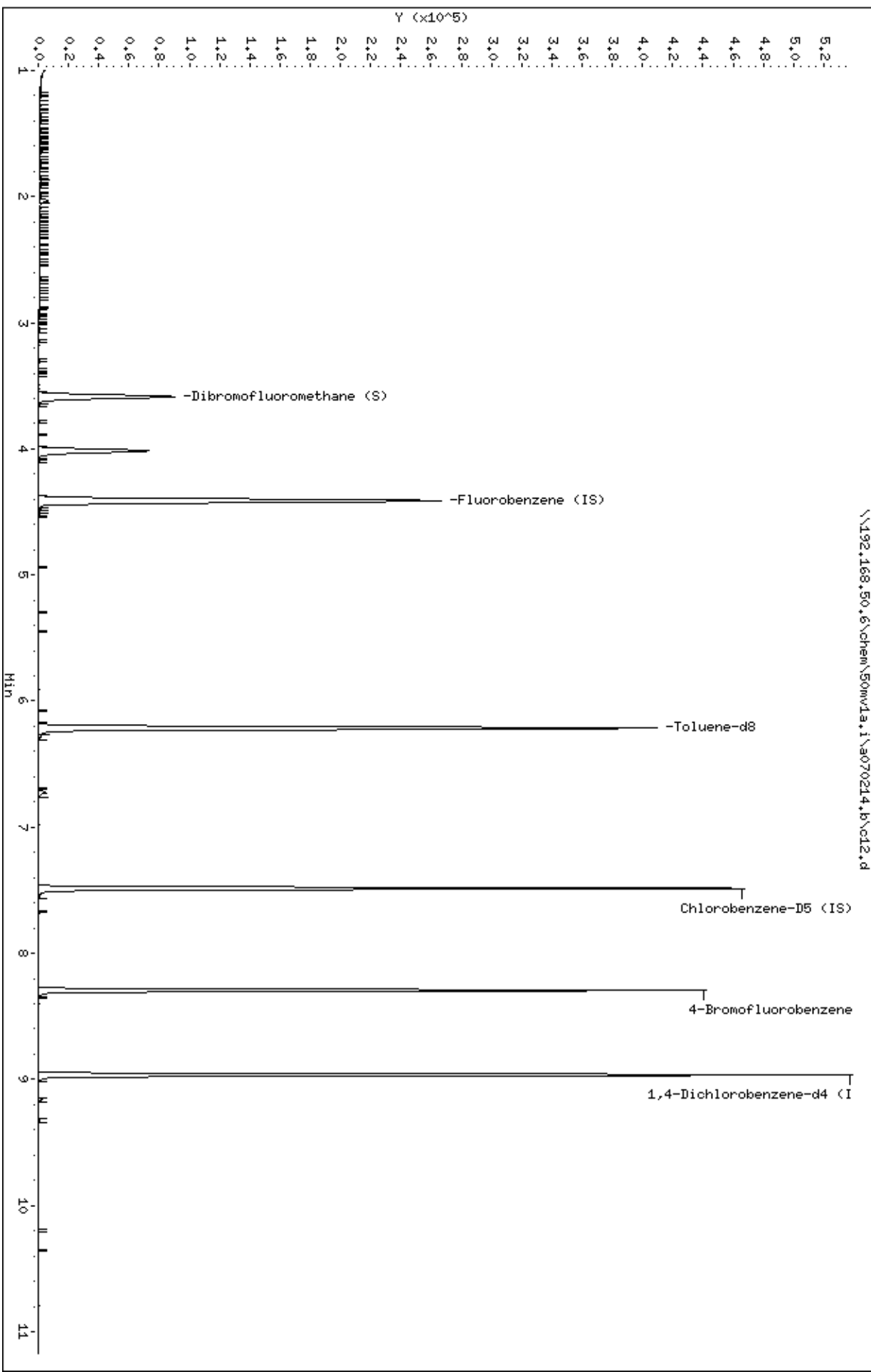
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 Inj Date : 03-JUL-2014 05:13
 Operator : grm Inst ID: 50mv1a.i
 Smp Info : 5099627019
 Misc Info : 66438
 Comment :
 Method : \\192.168.50.6\chem\50mv1a.i\a070214.b\a8260_a_c.m
 Meth Date : 03-Jul-2014 14:04 50mv1a.i Quant Type: ISTD
 Cal Date : 19-JUN-2014 17:44 Cal File: a08cal.d
 Als bottle: 67
 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 (ppb)	FINAL (ppb)	
\$ 38 Dibromofluoromethane (S)	113		3.587	3.582	(0.814)	58161	47.5424	47.5	
* 46 Fluorobenzene (IS)	96		4.408	4.408	(1.000)	254198	50.0000		
\$ 57 Toluene-d8	98		6.212	6.212	(0.830)	245599	49.6679	49.7	
58 Toluene	91		6.285	6.285	(0.839)	921	0.14737	0.147	
* 67 Chlorobenzene-D5 (IS)	117		7.488	7.488	(1.000)	187533	50.0000		
\$ 76 4-Bromofluorobenzene	95		8.293	8.293	(1.108)	93771	46.7534	46.8	
* 91 1,4-Dichlorobenzene-d4 (IS)	152		8.967	8.967	(1.000)	107000	50.0000		

\\192.168.50.6\chem\50wv1a.1\9070214.b\012.d



Date : 03-JUL-2014 05:13

Client ID: Trip Blank

Instrument: 50mv1a.i

Sample Info: 5099627019

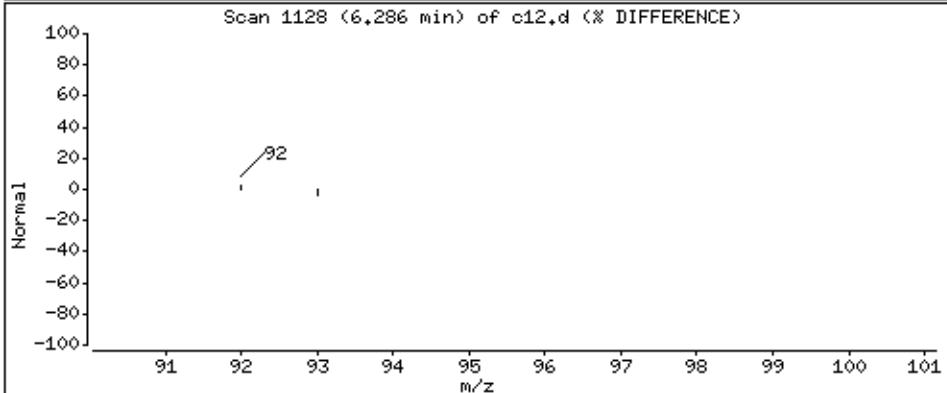
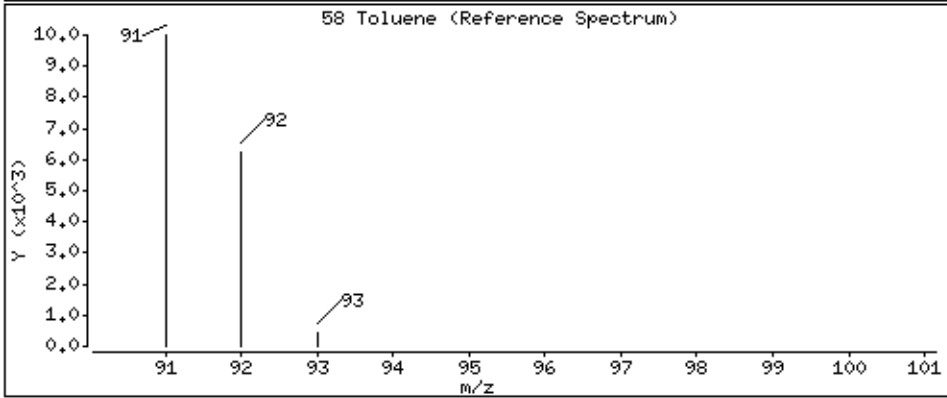
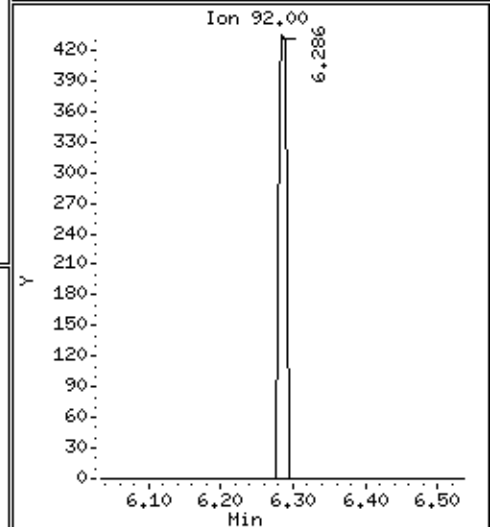
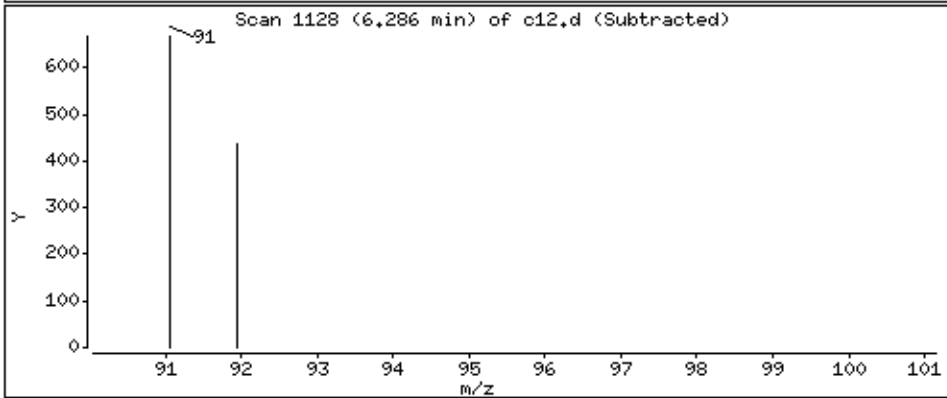
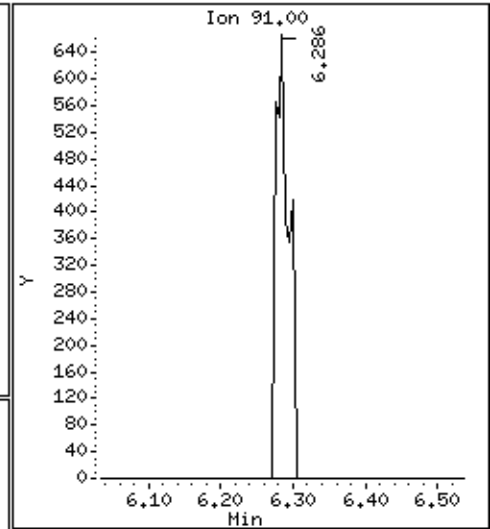
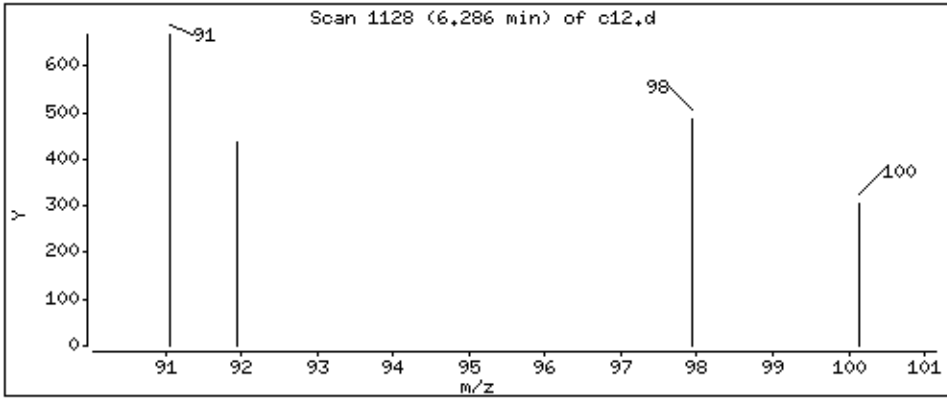
Operator: grm

Column phase: DB-624

Column diameter: 0,18

58 Toluene

Concentration: 0,147 ppb



Data File: \\192.168.50.6\chem\50mv1a.i\a070214.b/c12.d
Injection Date: 03-JUL-2014 05:13
Instrument: 50mv1a.i
Lab Sample ID: 5099627019
NO SIGNAL MANUAL INTEGRATIONS DONE FOR THIS DATA FILE

Pace Analytical Services, Inc.

Data file : \\192.168.50.6\chem\50mv1a.i\a061914cal.b\a01cal.d
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 Inj Date : 19-JUN-2014 13:49
 Operator : grm Inst ID: 50mv1a.i
 Smp Info : 8260-call,71097:0
 Misc Info : 65942
 Comment :
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 Meth Date : 20-Jun-2014 09:11 hbanter Quant Type: ISTD
 Cal Date : 02-JUN-2014 17:40 Cal File: a09cal.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	MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS		REVIEW C
								CAL-AMT (ppb)	ON-COL (ppb)	
1 Dichlorodifluoromethane	85			1.012	1.014	(0.230)	2199	1.00000	1.01(T)	
3 Vinyl Chloride	62			1.148	1.150	(0.261)	1760	1.00000	1.03	
6 Trichlorofluoromethane	101			1.472	1.474	(0.334)	2743	1.00000	0.964	
7 Diethyl ether	74			1.598	1.605	(0.363)	485	1.00000	0.915(Q)	
8 1,2-dichlorotrifluoroethane	67			1.619	1.621	(0.368)	1936	1.00000	0.954	
9 Acrolein	56			1.682	1.683	(0.382)	1469	20.00000	21.4	
10 1,1,2trichlorotrifluoroethane	101			1.734	1.736	(0.394)	1299	1.00000	0.805	
11 1,1-Dichloroethene	96			1.739	1.741	(0.395)	1307	1.00000	0.961	
12 Acetone	43			1.755	1.751	(0.398)	1750	5.00000	11.8	
14 Carbon Disulfide	76			1.880	1.887	(0.427)	8450	2.00000	1.92	
16 Acetonitrile	39			1.943	1.945	(0.441)	2593	20.00000	17.6(Q)	
18 Methylene Chloride	84			2.027	2.028	(0.460)	12082	1.00000		
20 Acrylonitrile	53			2.178	2.175	(0.495)	2925	20.00000	17.3	
21 Methyl-tert-butyl ether	73			2.194	2.196	(0.498)	4867	2.00000	2.05	
22 1,2-Dichloroethene (trans)	96			2.210	2.211	(0.502)	1256	1.00000	0.891(Q)	
24 Vinyl Acetate	43			2.518	2.525	(0.572)	4608	4.00000	4.05(M)	WP
29 1,2-Dichloroethene (cis)	96			3.036	3.037	(0.689)	1390	1.00000	0.942	
35 Chloroform	83			3.402	3.398	(0.772)	2470	1.00000	0.894	
37 1,1,1-Trichloroethane	97			3.569	3.581	(0.810)	1686	1.00000	0.714	
\$ 38 Dibromofluoromethane (S)	113			3.585	3.586	(0.814)	60972	50.00000	51.3	
39 Cyclohexane	56			3.658	3.665	(0.830)	1356	1.00000	0.652	
42 Benzene	78			4.024	4.031	(0.913)	5257	1.00000	0.951(M)	LT
* 46 Fluorobenzene (IS)	96			4.405	4.412	(1.000)	246801	50.00000		

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS		REVIEW C
						CAL-AMT (ppb)	ON-COL (ppb)	
47 Trichloroethene	95	4.839	4.846 (1.098)		1284	1.00000	0.783	
49 1,2-Dichloropropane	63	5.143	5.149 (1.167)		924	1.00000	0.775	
\$ 57 Toluene-d8	98	6.209	6.211 (0.830)		250088	50.0000	50.5	
58 Toluene	91	6.282	6.284 (0.839)		6621	1.00000	1.06	
62 Tetrachloroethene	166	6.779	6.775 (0.906)		1649	1.00000	0.863	
63 1,3-Dichloropropane	76	6.863	6.869 (0.917)		1689	1.00000	1.04	
65 Dibromochloromethane	129	7.046	7.047 (0.941)		695	1.00000	0.758	
66 1,2-Dibromoethane	107	7.134	7.131 (0.953)		416	1.00000	0.530 (Q)	
* 67 Chlorobenzene-D5 (IS)	117	7.485	7.486 (1.000)		187661	50.0000		
68 Chlorobenzene	112	7.506	7.507 (1.003)		4021	1.00000	1.03	
69 1,1,1,2-Tetrachloroethane	131	7.579	7.580 (1.013)		917	1.00000	0.766	
70 Ethylbenzene	106	7.584	7.586 (1.013)		2097	1.00000	0.953 (Q)	
71 m&p-Xylene	106	7.683	7.680 (1.027)		4869	2.00000	1.80 (Q)	
72 o-Xylene	106	7.940	7.941 (1.061)		1904	1.00000	0.759 (Q)	
73 Styrene	104	7.955	7.957 (1.063)		3141	1.00000	0.741	
75 Isopropylbenzene	105	8.175	8.176 (1.092)		6317	1.00000	0.837	
\$ 76 4-Bromofluorobenzene	95	8.290	8.291 (1.108)		100981	50.0000	50.3	
77 Bromobenzene	77	8.373	8.370 (1.119)		2699	1.00000	0.929	
82 n-Propylbenzene	91	8.436	8.438 (0.941)		8625	1.00000	0.892	
83 2-Chlorotoluene	91	8.488	8.485 (0.947)		4973	1.00000	0.858	
84 1,3,5-Trimethylbenzene	105	8.546	8.542 (0.953)		5579	1.00000	0.816	
85 4-Chlorotoluene	126	8.562	8.563 (0.955)		1499	1.00000	0.862 (Q)	
86 tert-Butylbenzene	119	8.724	8.725 (0.973)		5062	1.00000	0.828	
87 1,2,4-Trimethylbenzene	105	8.760	8.757 (0.977)		5542	1.00000	0.838	
88 sec-Butylbenzene	105	8.849	8.851 (0.987)		6957	1.00000	0.782	
89 1,3-Dichlorobenzene	146	8.917	8.919 (0.995)		3122	1.00000	0.870	
90 p-Isopropyltoluene	119	8.933	8.935 (0.997)		6343	1.00000	0.836	
* 91 1,4-Dichlorobenzene-d4 (IS)	152	8.964	8.966 (1.000)		110657	50.0000	(Q)	
92 1,4-Dichlorobenzene	146	8.975	8.982 (1.001)		3171	1.00000	0.918 (Q)	
93 n-Butylbenzene	91	9.152	9.154 (1.021)		6283	1.00000	0.818	
94 1,2-Dichlorobenzene	146	9.173	9.170 (1.023)		2846	1.00000	0.934	
96 1,2,4-Trichlorobenzene	180	10.005	9.996 (1.116)		2093	1.00000	0.794	
97 Hexachlorobutadiene	225	10.067	10.059 (1.123)		1849	1.00000	0.814	
98 Naphthalene	128	10.151	10.142 (1.132)		2797	1.00000	0.874 (M)	NI
99 1,2,3-Trichlorobenzene	180	10.261	10.262 (1.145)		1671	1.00000	0.789	
100 2,methyl-naphthalene	142	10.810	10.796 (1.206)		1278	1.00000	0.607	

QC Flag Legend

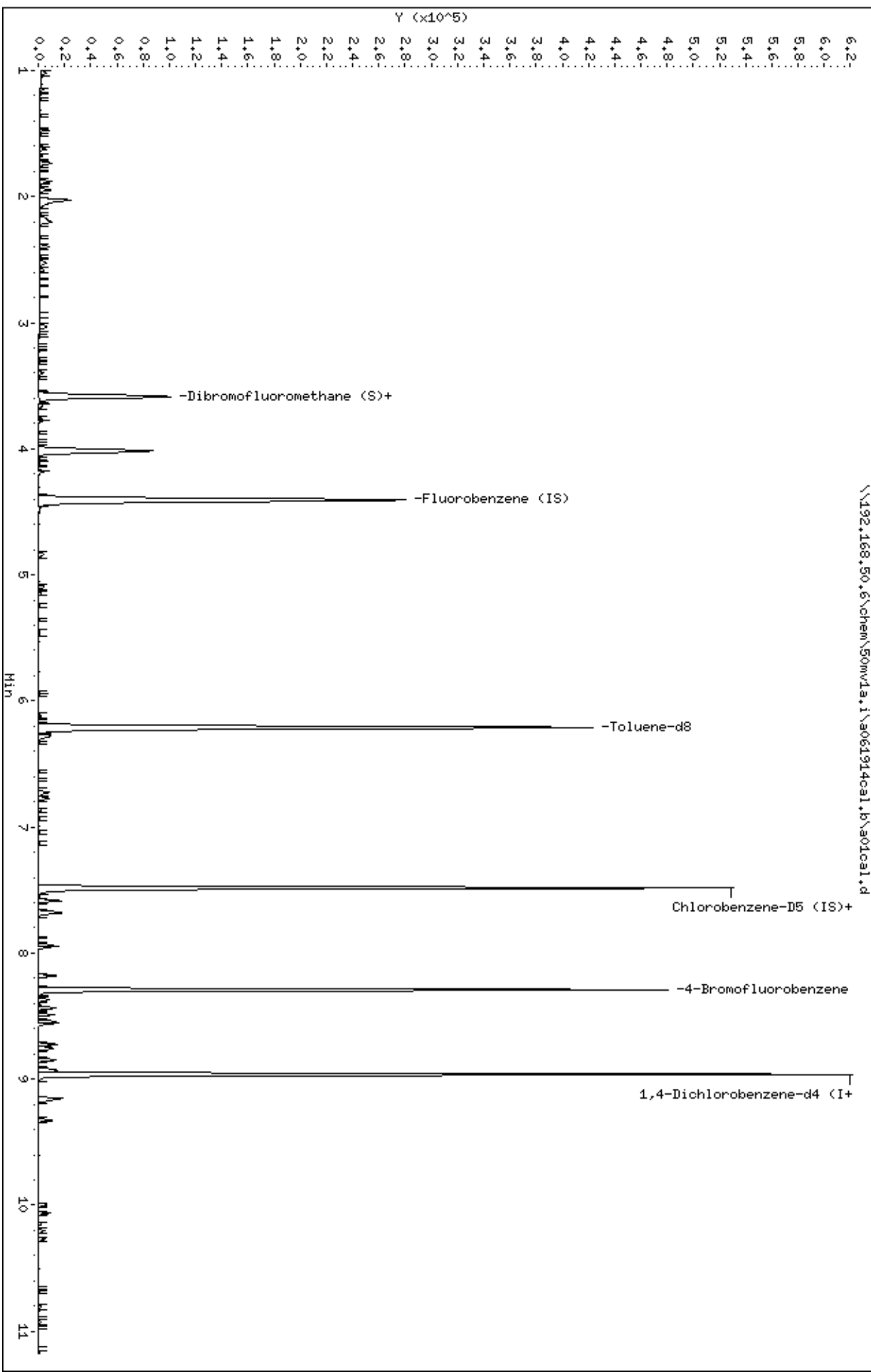
- T - Target compound detected outside RT window.
- Q - Qualifier signal failed the ratio test.
- M - Compound response manually integrated.

Review Codes Legend

- :
- WP: Indicates that the wrong peak was chosen by the data system.
- 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.

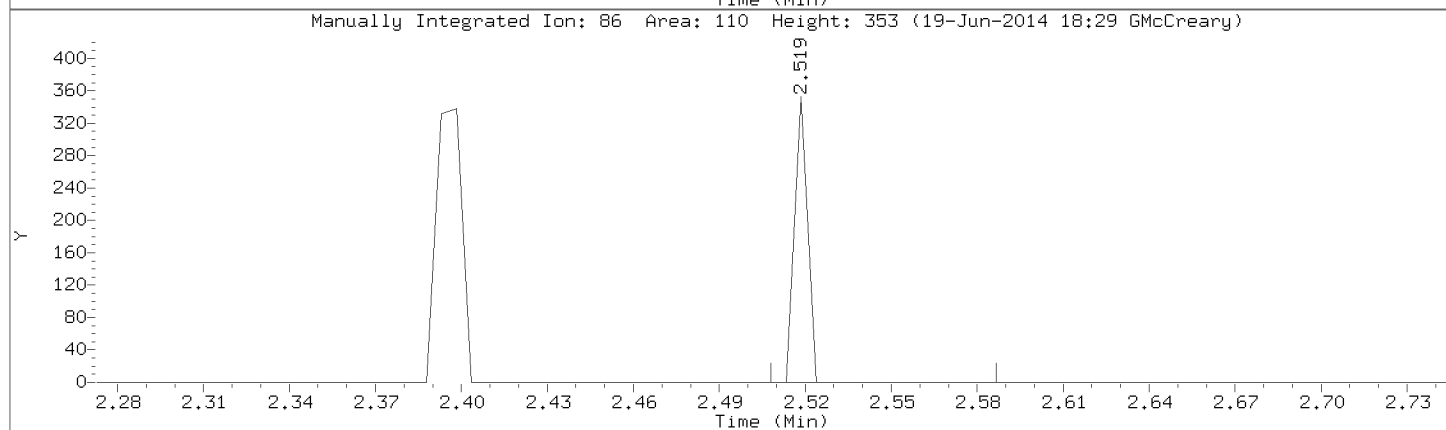
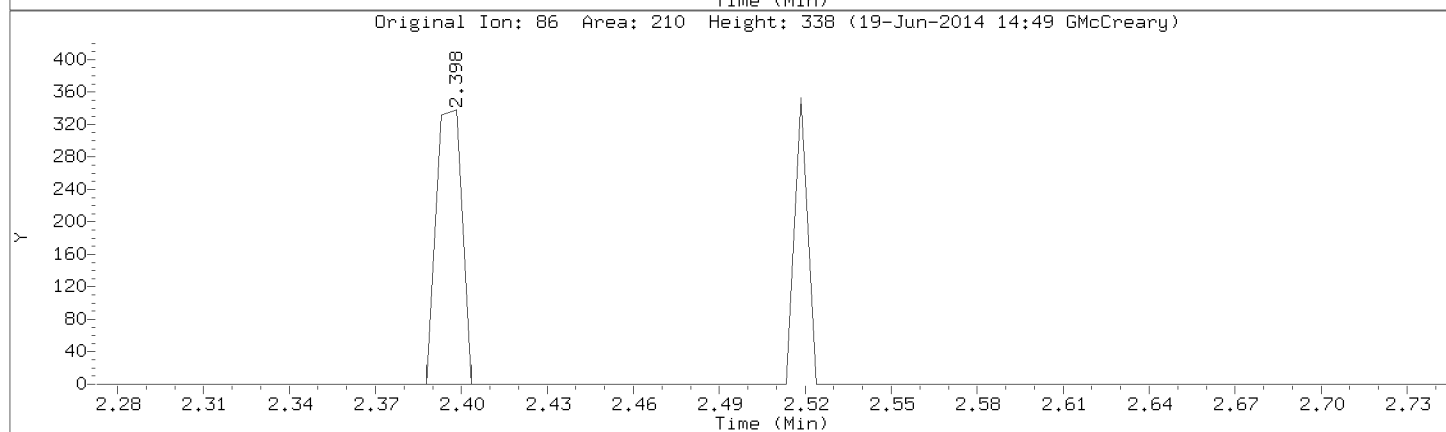
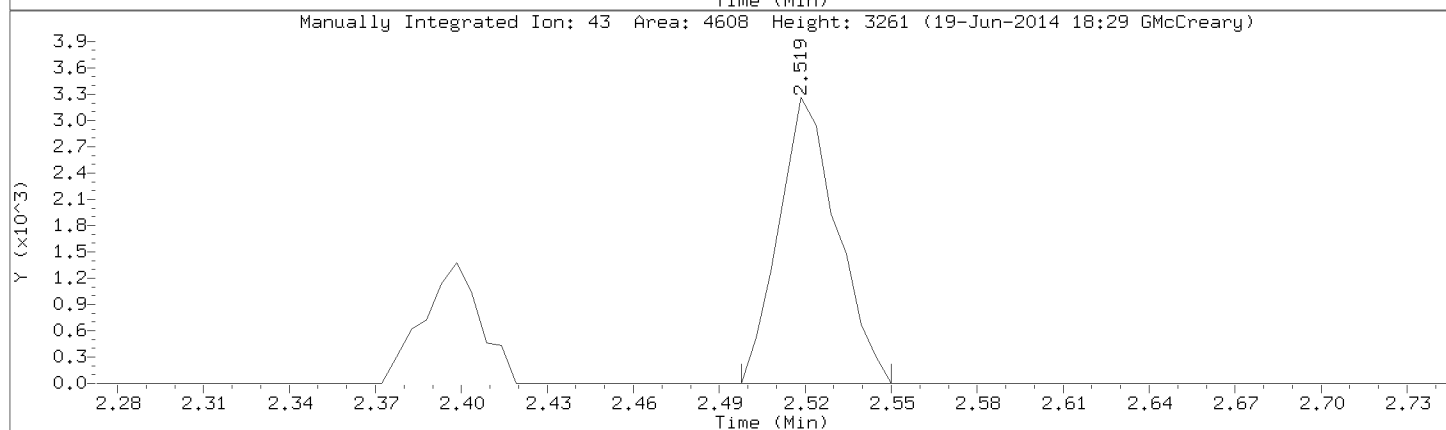
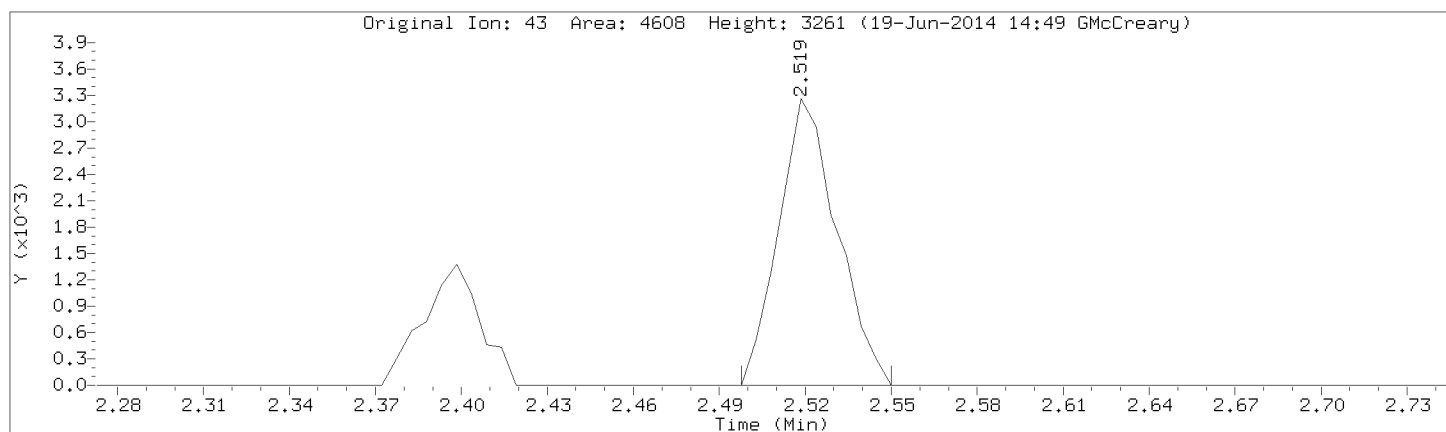
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Client ID: 8260-CAL1,71097:0
Sample Info: 8260-CAL1,71097:0
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50w1a.1
Operator: grm
Column diameter: 0.18



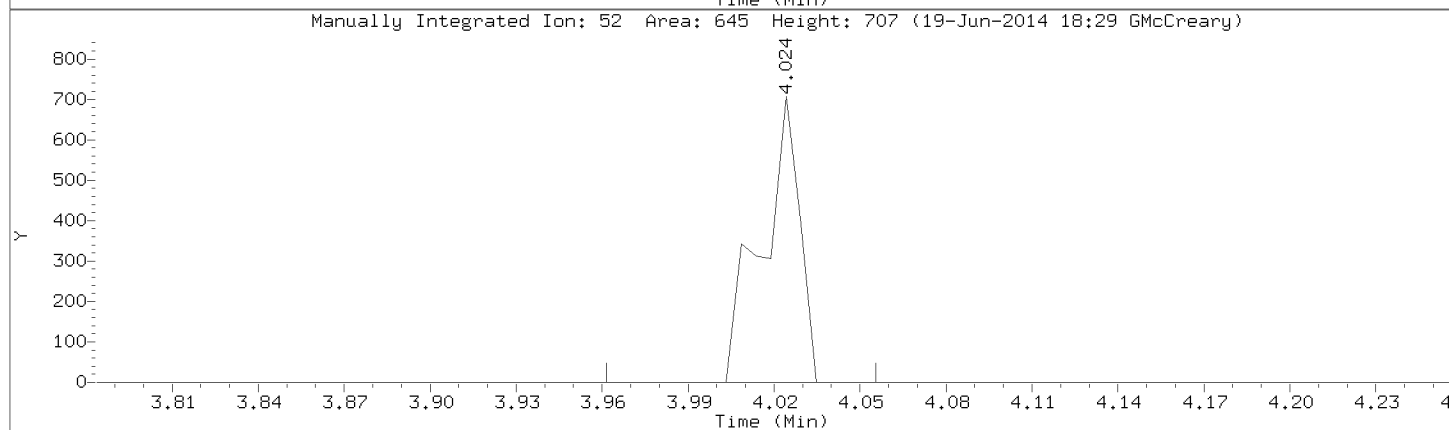
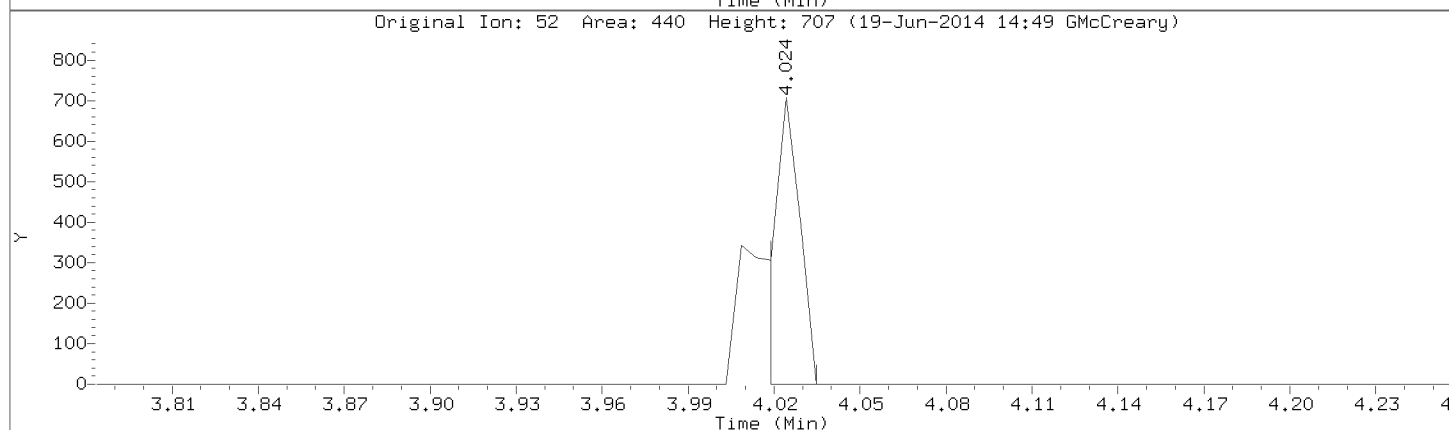
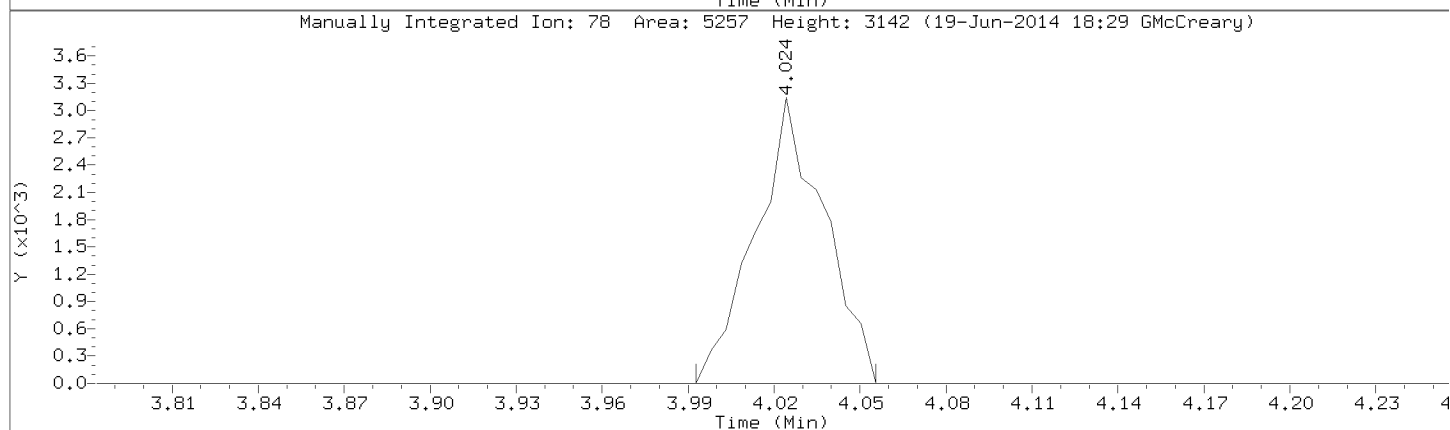
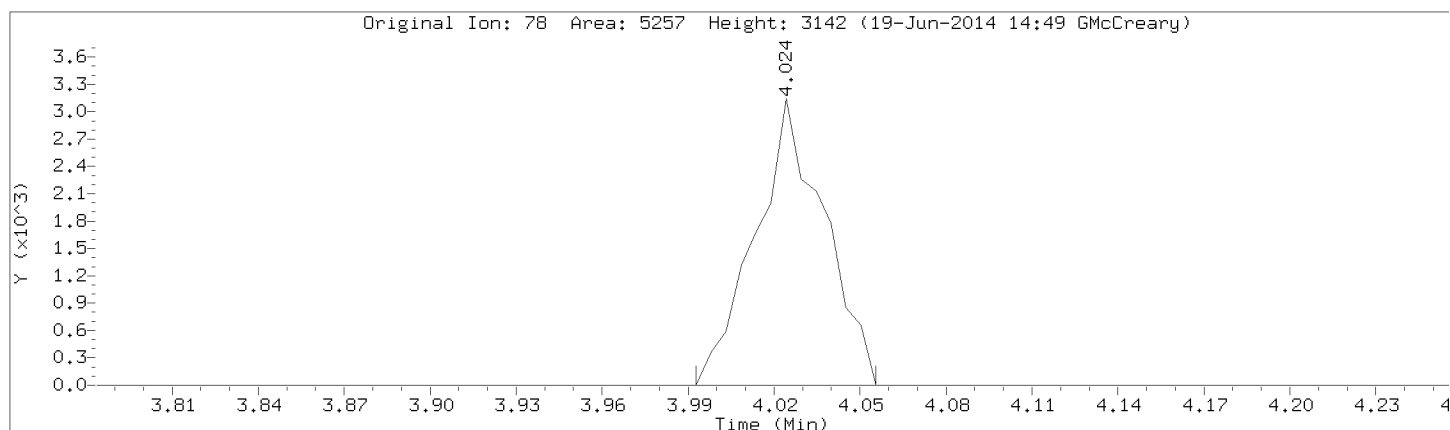
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Injection Date: 19-JUN-2014 13:49
Instrument: 50mv1a.i
Lab Sample ID: 8260-CAL1,71097:0

Compound: Vinyl Acetate
CAS Number: 108-05-4

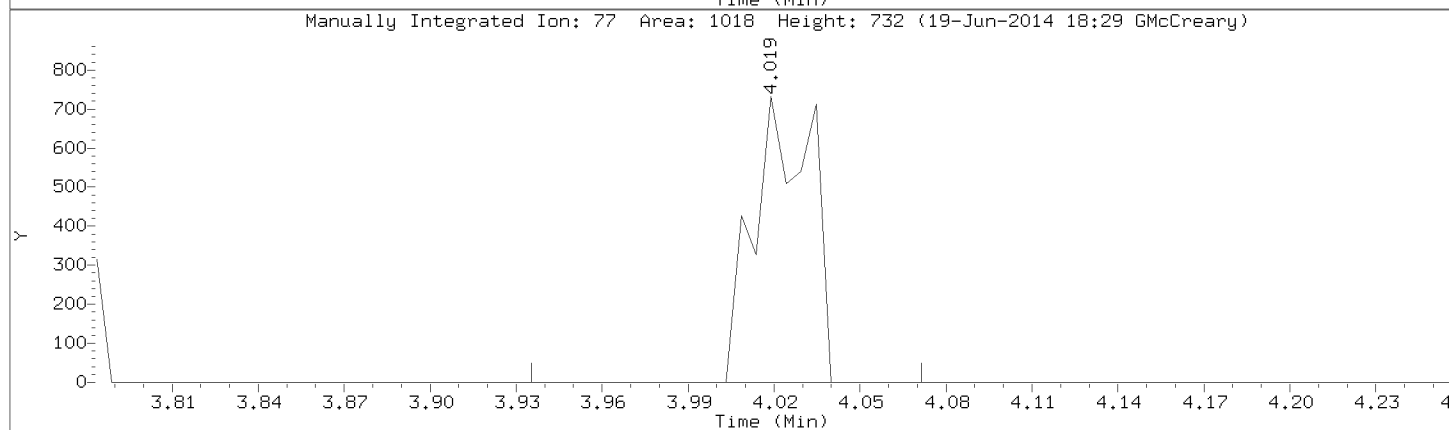
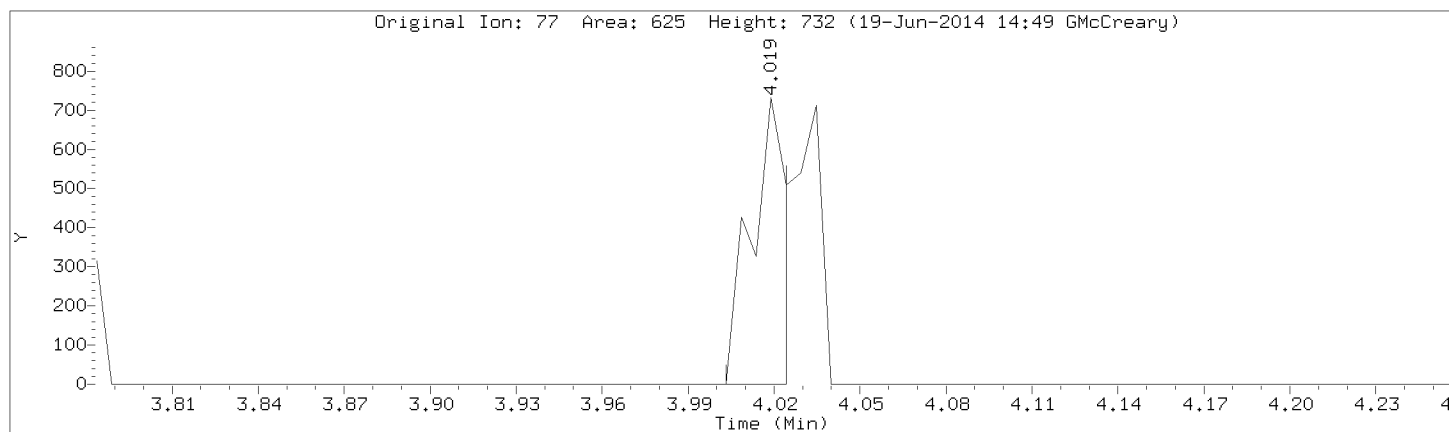


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Injection Date: 19-JUN-2014 13:49
Instrument: 50mv1a.i
Lab Sample ID: 8260-CAL1,71097:0

Compound: Benzene
CAS Number: 71-43-2

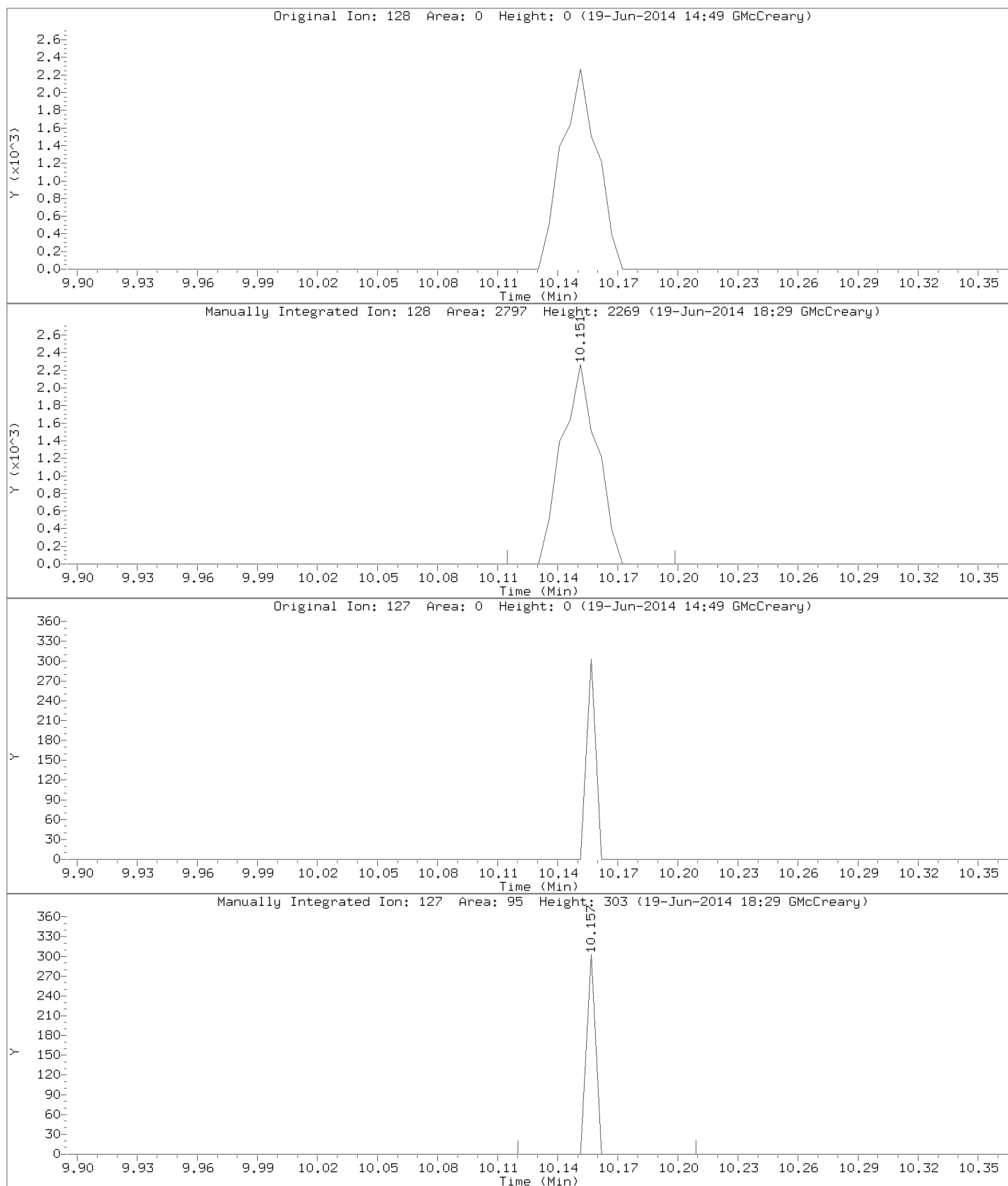


Data File: \\192.168.50.6\chem\50mv1a.i\a061914cal.b/a01cal.d
Injection Date: 19-JUN-2014 13:49
Instrument: 50mv1a.i
Lab Sample ID: 8260-CAL1,71097:0



Data File: \\192.168.50.6\chem\50mv1a.i\A061914cal.b/a01cal.d
Injection Date: 19-JUN-2014 13:49
Instrument: 50mv1a.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\50mv1a.i\a061914cal.b\a02cal.d
 Lab Smp Id: 8260-CAL2,71098:0 Client Smp ID: 8260-CAL2,71098:0
 Inj Date : 19-JUN-2014 14:23
 Operator : grm Inst ID: 50mv1a.i
 Smp Info : 8260-cal2,71098:0
 Misc Info : 65942
 Comment :
 Method : \\192.168.50.6\chem\50mv1a.i\a061914cal.b\a8260_a_c.m
 Meth Date : 20-Jun-2014 09:11 hbanter Quant Type: ISTD
 Cal Date : 02-JUN-2014 17:40 Cal File: a09cal.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	MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS		REVIEW C
								CAL-AMT (ppb)	ON-COL (ppb)	
1 Dichlorodifluoromethane	85			1.012	1.014	(0.230)	4209	2.00000	1.92	
2 Chloromethane	50			1.117	1.113	(0.253)	3494	2.00000	2.00	
3 Vinyl Chloride	62			1.148	1.150	(0.260)	3278	2.00000	1.91	
4 Bromomethane	94			1.305	1.302	(0.296)	657	2.00000	2.90	
5 Chloroethane	64			1.352	1.354	(0.307)	2242	2.00000	2.15	
6 Trichlorofluoromethane	101			1.472	1.474	(0.334)	5898	2.00000	2.06	
7 Diethyl ether	74			1.603	1.605	(0.364)	1022	2.00000	1.92(Q)	
8 1,2-dichlorotrifluoroethane	67			1.619	1.621	(0.367)	4175	2.00000	2.04	
9 Acrolein	56			1.682	1.683	(0.381)	2547	40.00000	36.8	
10 1,1,2trichlorotrifluoroethane	101			1.734	1.736	(0.393)	3344	2.00000	2.06	
11 1,1-Dichloroethene	96			1.739	1.741	(0.394)	2953	2.00000	2.16	
12 Acetone	43			1.755	1.751	(0.398)	2342	10.00000	15.8	
14 Carbon Disulfide	76			1.880	1.887	(0.426)	17894	4.00000	4.05	
16 Acetonitrile	39			1.943	1.945	(0.441)	6187	40.00000	41.8	
17 allyl chloride	41			1.948	1.945	(0.442)	6897	4.00000	3.91	
18 Methylene Chloride	84			2.032	2.028	(0.461)	21883	2.00000	0.0167	
20 Acrylonitrile	53			2.173	2.175	(0.493)	6914	40.00000	40.7	
21 Methyl-tert-butyl ether	73			2.194	2.196	(0.497)	9794	4.00000	4.09	
22 1,2-Dichloroethene (trans)	96			2.210	2.211	(0.501)	2829	2.00000	1.99	
23 n-Hexane	57			2.398	2.400	(0.544)	5271	2.00000	2.28	
24 Vinyl Acetate	43			2.523	2.525	(0.572)	8908	8.00000	7.78	
25 1,1-Dichloroethane	63			2.534	2.535	(0.575)	5296	2.00000	2.03	
29 1,2-Dichloroethene (cis)	96			3.036	3.037	(0.688)	3097	2.00000	2.09	

Compounds	QUANT MASS	SIG	AMOUNTS					REVIEW C	
			RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ppb)		ON-COL (ppb)
30 2,2-Dichloropropene	77		3.036	3.043	(0.688)	3157	2.00000	1.70	
33 Bromochloromethane	49		3.292	3.283	(0.746)	1360	2.00000	1.91 (M)	LT
35 Chloroform	83		3.402	3.398	(0.771)	5854	2.00000	2.10	
37 1,1,1-Trichloroethane	97		3.574	3.581	(0.810)	3653	2.00000	1.54 (Q)	
\$ 38 Dibromofluoromethane (S)	113		3.590	3.586	(0.814)	62078	50.00000	52.0	
39 Cyclohexane	56		3.663	3.665	(0.831)	3565	2.00000	1.70	
40 Carbon Tetrachloride	117		3.768	3.774	(0.854)	2768	2.00000	1.47	
41 1,1-Dichloropropene	75		3.773	3.780	(0.855)	3902	2.00000	1.72	
42 Benzene	78		4.024	4.031	(0.912)	10986	2.00000	1.98	
45 2,2,4-Trimethylpentane	57		4.186	4.188	(0.949)	8266	2.00000	1.60	
* 46 Fluorobenzene (IS)	96		4.411	4.412	(1.000)	248245	50.00000		
47 Trichloroethene	95		4.839	4.846	(1.097)	3307	2.00000	2.00 (Q)	
48 Methylcyclohexane	55		5.095	5.097	(1.155)	3046	2.00000	1.56	
49 1,2-Dichloropropene	63		5.143	5.149	(1.166)	2289	2.00000	1.91	
50 Dibromomethane	93		5.237	5.244	(1.187)	1020	2.00000	1.74	
55 cis-1,3-Dichloropropene	75		5.942	5.944	(0.794)	2226	2.00000	1.29	
56 4-Methyl-2-Pentanone	43		6.120	6.117	(0.818)	3708	10.00000	7.68	
\$ 57 Toluene-d8	98		6.214	6.211	(0.830)	251625	50.00000	51.0	
58 Toluene	91		6.282	6.284	(0.839)	13263	2.00000	2.12	
59 trans-1,3-Dichloropropene	75		6.554	6.556	(0.876)	1539	2.00000	4.32	
61 1,1,2-Trichloroethane	83		6.727	6.734	(0.899)	1301	2.00000	1.80	
62 Tetrachloroethene	166		6.779	6.775	(0.906)	3854	2.00000	2.02	
63 1,3-Dichloropropene	76		6.868	6.869	(0.918)	3107	2.00000	1.91	
65 Dibromochloromethane	129		7.046	7.047	(0.941)	1124	2.00000	1.23	
66 1,2-Dibromoethane	107		7.129	7.131	(0.953)	1311	2.00000	1.67 (Q)	
* 67 Chlorobenzene-D5 (IS)	117		7.485	7.486	(1.000)	187201	50.00000		
68 Chlorobenzene	112		7.506	7.507	(1.003)	8191	2.00000	2.11	
69 1,1,1,2-Tetrachloroethane	131		7.579	7.580	(1.013)	1775	2.00000	1.49	
70 Ethylbenzene	106		7.584	7.586	(1.013)	4304	2.00000	1.96	
71 m&p-Xylene	106		7.683	7.680	(1.027)	10473	4.00000	3.88	
72 o-Xylene	106		7.940	7.941	(1.061)	4598	2.00000	1.84 (Q)	
73 Styrene	104		7.960	7.957	(1.064)	7758	2.00000	1.84	
75 Isopropylbenzene	105		8.180	8.176	(1.093)	14560	2.00000	1.93	
\$ 76 4-Bromofluorobenzene	95		8.290	8.291	(1.108)	100633	50.00000	50.3	
77 Bromobenzene	77		8.368	8.370	(1.118)	6148	2.00000	2.12	
81 1,2,3-Trichloropropene	110		8.415	8.412	(0.939)	527	2.00000	1.69	
82 n-Propylbenzene	91		8.436	8.438	(0.941)	18873	2.00000	2.00	
83 2-Chlorotoluene	91		8.488	8.485	(0.947)	10694	2.00000	1.89	
84 1,3,5-Trimethylbenzene	105		8.546	8.542	(0.953)	12315	2.00000	1.84	
85 4-Chlorotoluene	126		8.562	8.563	(0.955)	3212	2.00000	1.89	
86 tert-Butylbenzene	119		8.724	8.725	(0.973)	11561	2.00000	1.93	
87 1,2,4-Trimethylbenzene	105		8.760	8.757	(0.977)	12842	2.00000	1.98	
88 sec-Butylbenzene	105		8.849	8.851	(0.987)	15922	2.00000	1.83	
89 1,3-Dichlorobenzene	146		8.922	8.919	(0.995)	7327	2.00000	2.09	
90 p-Isopropyltoluene	119		8.933	8.935	(0.997)	13931	2.00000	1.88	
* 91 1,4-Dichlorobenzene-d4 (IS)	152		8.964	8.966	(1.000)	108260	50.00000		
92 1,4-Dichlorobenzene	146		8.980	8.982	(1.002)	7237	2.00000	2.14	
93 n-Butylbenzene	91		9.152	9.154	(1.021)	13250	2.00000	1.76	
94 1,2-Dichlorobenzene	146		9.168	9.170	(1.023)	5712	2.00000	1.92	
95 1,2-Dibromo-3-chloropropane	155		10.057	9.578	(1.122)	599	2.00000	9.68 (Q)	
96 1,2,4-Trichlorobenzene	180		9.999	9.996	(1.115)	4448	2.00000	1.72	
97 Hexachlorobutadiene	225		10.062	10.059	(1.122)	4303	2.00000	1.94	
98 Naphthalene	128		10.146	10.142	(1.132)	5297	2.00000	1.69	
99 1,2,3-Trichlorobenzene	180		10.266	10.262	(1.145)	3685	2.00000	1.78	

Compounds	QUANT SIG						AMOUNTS		REVIEW C
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ppb)	ON-COL (ppb)		
100 2,methyl-naphthalene	142	10.804	10.796	(1.205)	2690	2.00000	1.30		

QC Flag Legend

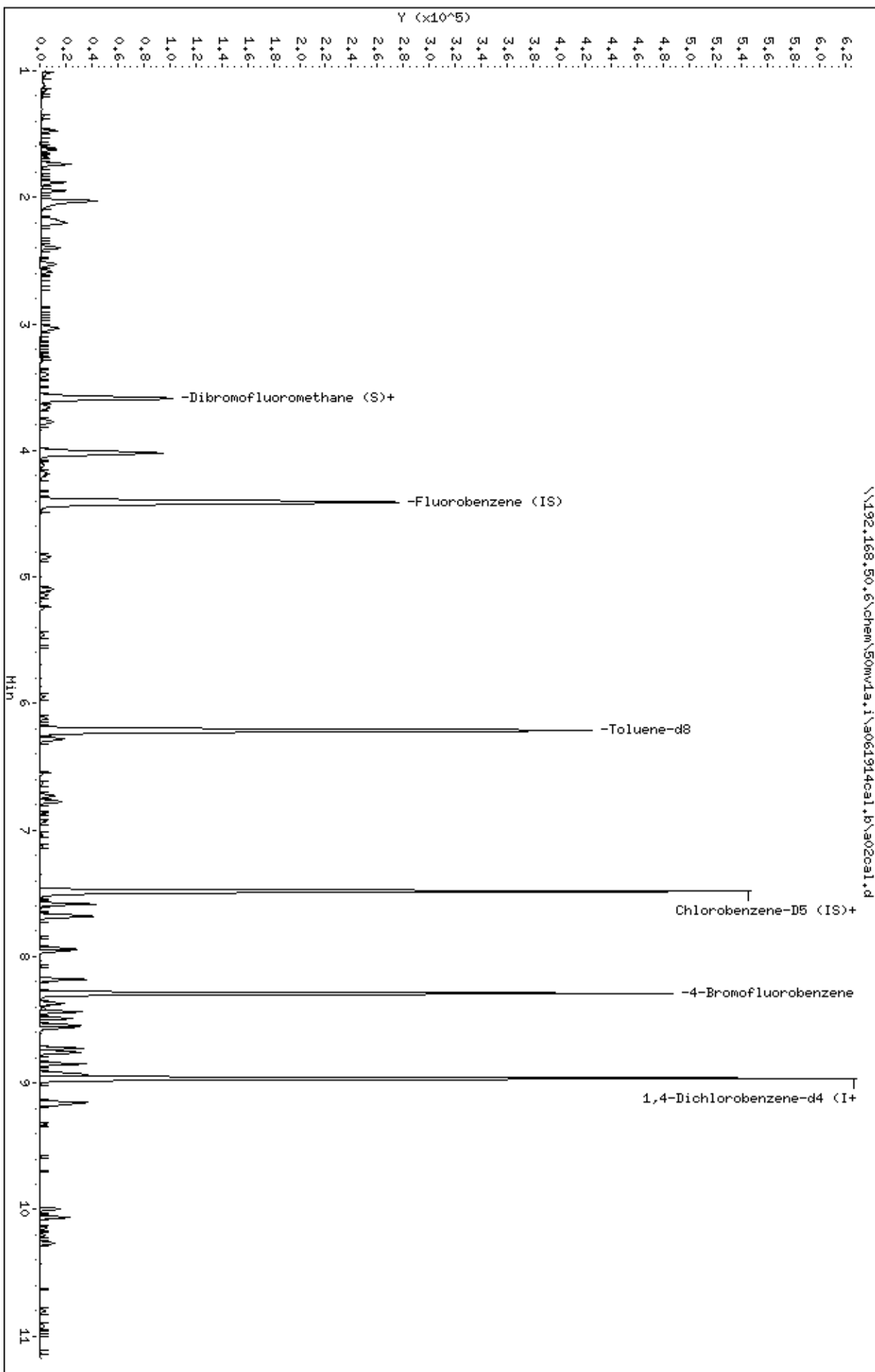
Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.

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).

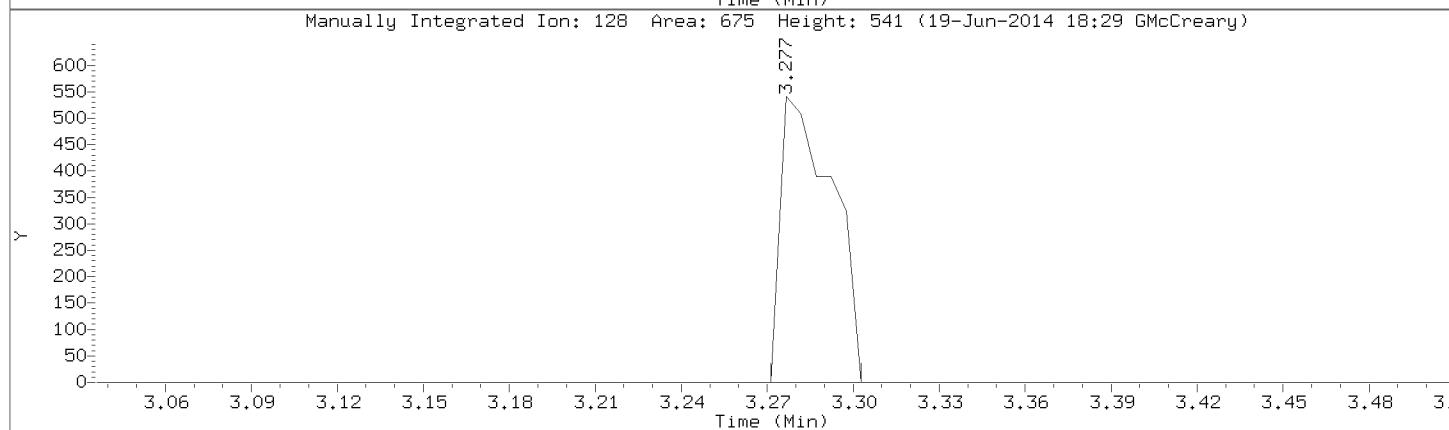
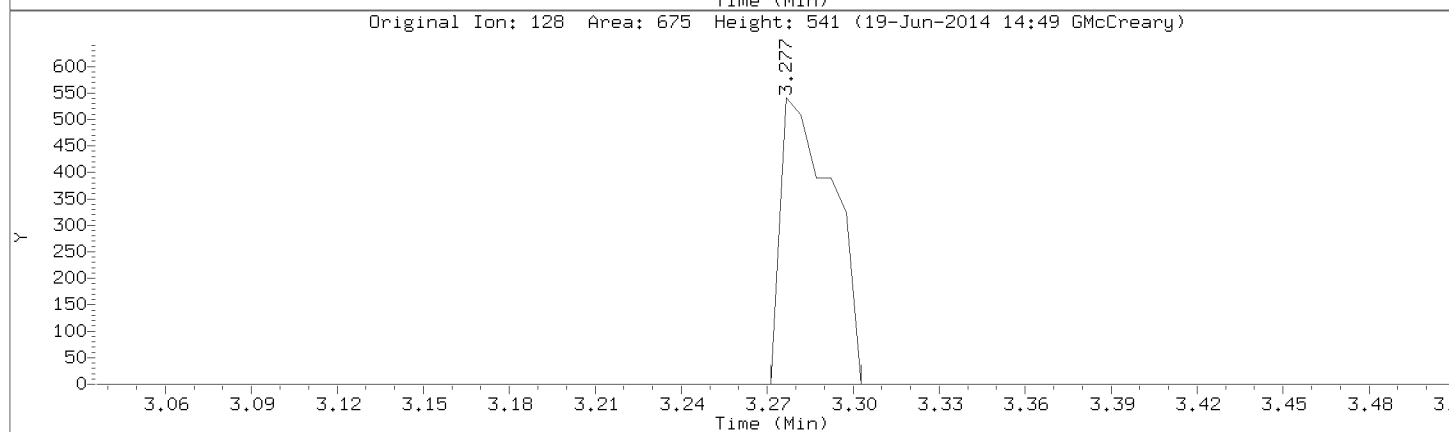
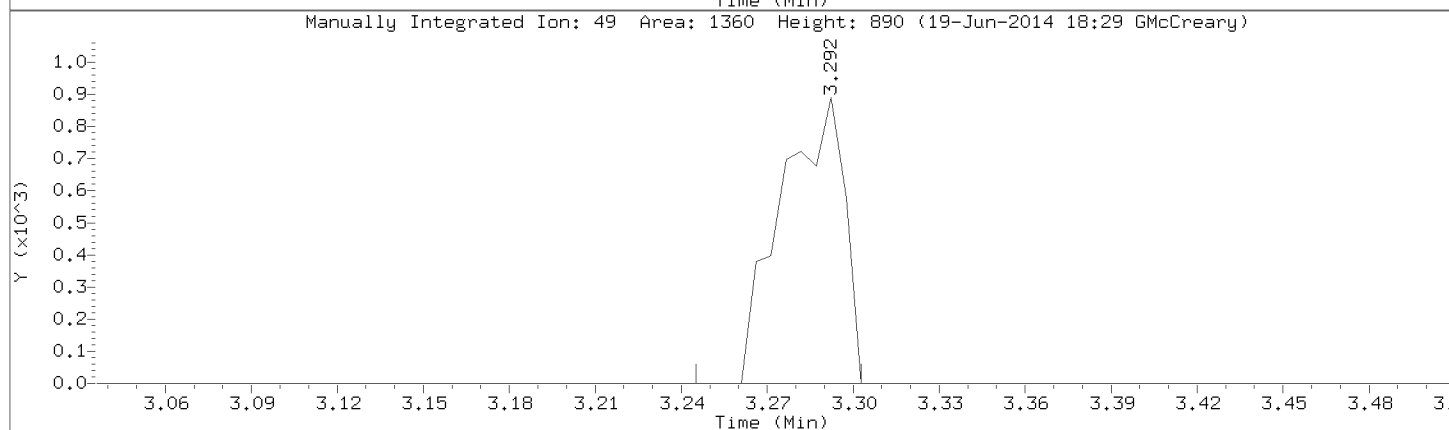
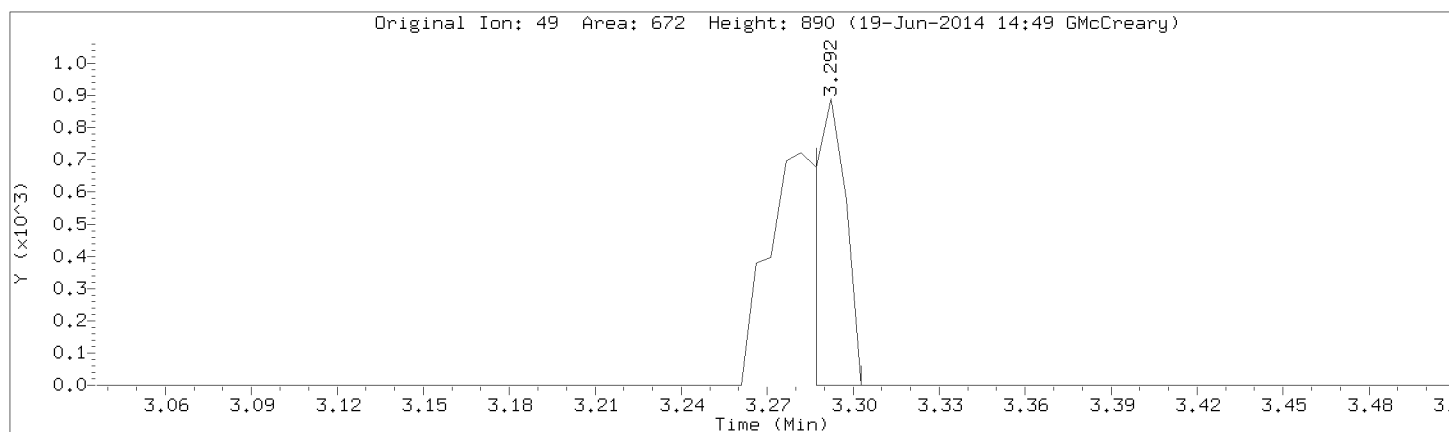
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Date: 19-JUN-2014 14:23
Client ID: 8260-CAL2.7109810
Sample Info: 8260-CAL2.7109810
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50wv1a.1
Operator: grm
Column diameter: 0.18

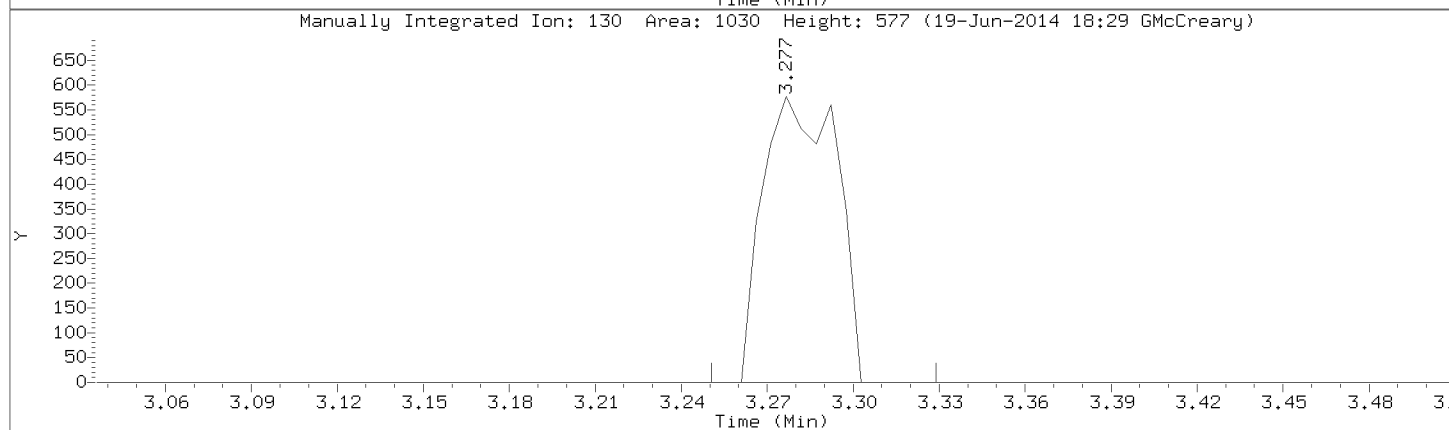
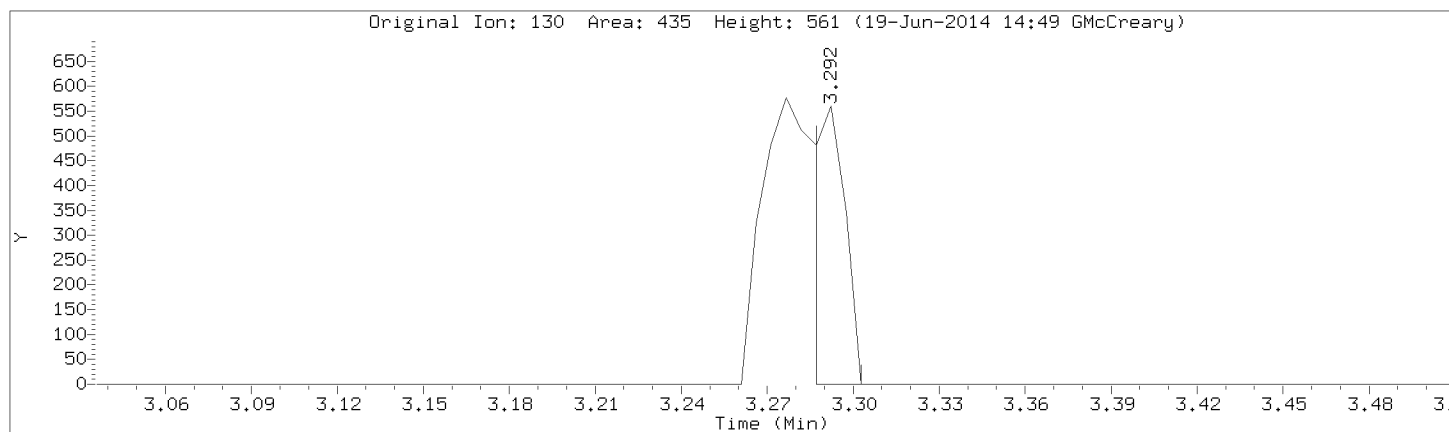


Data File: \\192.168.50.6\chem\50mv1a.i\a061914cal.b/a02cal.d
Injection Date: 19-JUN-2014 14:23
Instrument: 50mv1a.i
Lab Sample ID: 8260-CAL2,71098:0

Compound: Bromochloromethane
CAS Number: 74-97-5



Data File: \\192.168.50.6\chem\50mv1a.i\a061914cal.b/a02cal.d
Injection Date: 19-JUN-2014 14:23
Instrument: 50mv1a.i
Lab Sample ID: 8260-CAL2,71098:0



Pace Analytical Services, Inc.

Data file : \\192.168.50.6\chem\50mv1a.i\a061914cal.b\a03cal.d
 Lab Smp Id: 8260-CAL3,71099:0 Client Smp ID: 8260-CAL3,71099:0
 Inj Date : 19-JUN-2014 14:56
 Operator : grm Inst ID: 50mv1a.i
 Smp Info : 8260-cal3,71099:0
 Misc Info : 65941
 Comment :
 Method : \\192.168.50.6\chem\50mv1a.i\a061914cal.b\a8260_a_c.m
 Meth Date : 20-Jun-2014 09:11 hbanter Quant Type: ISTD
 Cal Date : 02-JUN-2014 17:40 Cal File: a09cal.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	MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS		REVIEW C
								CAL-AMT (ppb)	ON-COL (ppb)	
1 Dichlorodifluoromethane	85			1.012	1.014	(0.229)	10342	5.00000	4.62	
2 Chloromethane	50			1.121	1.113	(0.254)	8787	5.00000	4.94	
3 Vinyl Chloride	62			1.148	1.150	(0.260)	8141	5.00000	4.66	
4 Bromomethane	94			1.304	1.302	(0.296)	3027	5.00000	5.02	
5 Chloroethane	64			1.357	1.354	(0.308)	5048	5.00000	4.74	
6 Trichlorofluoromethane	101			1.472	1.474	(0.334)	14679	5.00000	5.03	
7 Diethyl ether	74			1.602	1.605	(0.363)	2728	5.00000	5.01	
8 1,2-dichlorotrifluoroethane	67			1.623	1.621	(0.368)	10515	5.00000	5.04	
9 Acrolein	56			1.681	1.683	(0.381)	7160	100.000	101	
10 1,1,2trichlorotrifluoroethane	101			1.733	1.736	(0.393)	7917	5.00000	4.78	
11 1,1-Dichloroethene	96			1.738	1.741	(0.394)	6635	5.00000	4.75	
12 Acetone	43			1.754	1.751	(0.398)	4405	25.0000	29.0	
13 Iodomethane	142			1.838	1.840	(0.417)	2371	10.0000	13.9	
14 Carbon Disulfide	76			1.885	1.887	(0.427)	45261	10.0000	10.0	
15 Methyl Acetate	43			1.926	1.929	(0.437)	1907	5.00000	5.29	
16 Acetonitrile	39			1.947	1.945	(0.442)	15108	100.000	100	
17 allyl chloride	41			1.947	1.945	(0.442)	17678	10.0000	9.83	
18 Methylene Chloride	84			2.031	2.028	(0.461)	26909	5.00000	3.71	
19 tert-Butyl Alcohol	59			2.078	2.075	(0.471)	132	10.0000	7.83 (M)	NI
20 Acrylonitrile	53			2.177	2.175	(0.494)	17606	100.000	102	
21 Methyl-tert-butyl ether	73			2.193	2.196	(0.497)	24941	10.0000	10.2	
22 1,2-Dichloroethene (trans)	96			2.209	2.211	(0.501)	7008	5.00000	4.84	
23 n-Hexane	57			2.397	2.400	(0.544)	11478	5.00000	4.86	

Compounds	QUANT MASS	SIG	AMOUNTS					REVIEW C	
			RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ppb)		ON-COL (ppb)
24 Vinyl Acetate	43		2.522	2.525	(0.572)	23989	20.0000	20.5	
25 1,1-Dichloroethane	63		2.533	2.535	(0.574)	12942	5.00000	4.87	
26 Chloroprene	53		2.590	2.588	(0.587)	11354	5.00000	4.82	
28 2-Butanone	43		3.030	3.027	(0.687)	6182	25.0000	26.5 (M)	NI
29 1,2-Dichloroethene (cis)	96		3.030	3.037	(0.687)	7526	5.00000	4.97	
30 2,2-Dichloropropane	77		3.040	3.043	(0.689)	7917	5.00000	4.19	
32 Methacrylonitrile	41		3.244	3.246	(0.736)	1512	25.0000	23.2 (M)	NI
33 Bromochloromethane	49		3.286	3.283	(0.745)	3886	5.00000	5.34	
34 Tetrahydrofuran	42		3.296	3.304	(0.748)	548	5.00000	4.86 (QM)	NI
35 Chloroform	83		3.401	3.398	(0.771)	13797	5.00000	4.86	
37 1,1,1-Trichloroethane	97		3.589	3.581	(0.814)	10609	5.00000	4.38	
\$ 38 Dibromofluoromethane (S)	113		3.589	3.586	(0.814)	62094	50.0000	50.9	
39 Cyclohexane	56		3.657	3.665	(0.829)	8822	5.00000	4.13	
40 Carbon Tetrachloride	117		3.772	3.774	(0.855)	7456	5.00000	3.88	
41 1,1-Dichloropropene	75		3.777	3.780	(0.857)	11246	5.00000	4.86	
42 Benzene	78		4.028	4.031	(0.913)	27879	5.00000	4.91	
43 1,2-Dichloroethane	62		4.117	4.120	(0.934)	8925	5.00000	5.21 (M)	NI
45 2,2,4-Trimethylpentane	57		4.185	4.188	(0.949)	22512	5.00000	4.26	
* 46 Fluorobenzene (IS)	96		4.410	4.412	(1.000)	253383	50.0000		
47 Trichloroethene	95		4.844	4.846	(1.098)	8033	5.00000	4.77	
48 Methylcyclohexane	55		5.105	5.097	(1.158)	8128	5.00000	4.07	
49 1,2-Dichloropropane	63		5.147	5.149	(1.167)	5758	5.00000	4.70	
50 Dibromomethane	93		5.241	5.244	(1.188)	2729	5.00000	4.57	
51 Methyl methacrylate	69		5.257	5.254	(1.192)	1858	5.00000	4.05	
53 Bromodichloromethane	83		5.455	5.458	(1.237)	8262	5.00000	4.58	
54 2-Chloroethyl vinyl ether	63		5.806	5.798	(0.776)	813	10.0000	10.2 (QM)	NI
55 cis-1,3-Dichloropropene	75		5.942	5.944	(0.794)	6149	5.00000	3.49	
56 4-Methyl-2-Pentanone	43		6.114	6.117	(0.817)	10460	25.0000	21.2	
\$ 57 Toluene-d8	98		6.213	6.211	(0.830)	258316	50.0000	51.1	
58 Toluene	91		6.287	6.284	(0.840)	30989	5.00000	4.85	
59 trans-1,3-Dichloropropene	75		6.559	6.556	(0.876)	4006	5.00000	5.87	
60 Ethyl Methacrylate	69		6.632	6.629	(0.886)	4127	5.00000	3.94 (M)	NI
61 1,1,2-Trichloroethane	83		6.731	6.734	(0.899)	3433	5.00000	4.65	
62 Tetrachloroethene	166		6.778	6.775	(0.906)	9877	5.00000	5.06	
63 1,3-Dichloropropane	76		6.867	6.869	(0.918)	7988	5.00000	4.80	
64 2-Hexanone	43		6.930	6.927	(0.926)	7109	25.0000	20.5	
65 Dibromochloromethane	129		7.045	7.047	(0.941)	3620	5.00000	3.87	
66 1,2-Dibromoethane	107		7.128	7.131	(0.953)	3606	5.00000	4.50	
* 67 Chlorobenzene-D5 (IS)	117		7.484	7.486	(1.000)	191614	50.0000		
68 Chlorobenzene	112		7.510	7.507	(1.003)	20256	5.00000	5.10	
69 1,1,1,2-Tetrachloroethane	131		7.578	7.580	(1.013)	5122	5.00000	4.19	
70 Ethylbenzene	106		7.583	7.586	(1.013)	10339	5.00000	4.60	
71 m&p-Xylene	106		7.677	7.680	(1.026)	27395	10.0000	9.91	
72 o-Xylene	106		7.939	7.941	(1.061)	11997	5.00000	4.68	
73 Styrene	104		7.954	7.957	(1.063)	20241	5.00000	4.68	
74 Bromoform	173		8.075	8.077	(0.901)	2061	5.00000	8.28 (M)	NI
75 Isopropylbenzene	105		8.179	8.176	(1.093)	37815	5.00000	4.91	
\$ 76 4-Bromofluorobenzene	95		8.289	8.291	(1.108)	103507	50.0000	50.5	
77 Bromobenzene	77		8.373	8.370	(1.119)	14742	5.00000	4.97	
78 1,1,2,2-Tetrachloroethane	83		8.378	8.380	(0.935)	4691	5.00000	4.56	
80 trans-1,4-Dichloro-2-butene	53		8.404	8.401	(1.123)	565	5.00000	6.27 (QM)	WP
81 1,2,3-Trichloropropane	110		8.409	8.412	(0.938)	1520	5.00000	4.73 (Q)	
82 n-Propylbenzene	91		8.435	8.438	(0.941)	47140	5.00000	4.85	
83 2-Chlorotoluene	91		8.488	8.485	(0.947)	29526	5.00000	5.06	

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS		REVIEW C
						CAL-AMT (ppb)	ON-COL (ppb)	
84 1,3,5-Trimethylbenzene	105	8.545	8.542 (0.953)		32195	5.00000	4.68	
85 4-Chlorotoluene	126	8.561	8.563 (0.955)		8290	5.00000	4.74	
86 tert-Butylbenzene	119	8.723	8.725 (0.973)		29116	5.00000	4.73	
87 1,2,4-Trimethylbenzene	105	8.759	8.757 (0.977)		33636	5.00000	5.05	
88 sec-Butylbenzene	105	8.848	8.851 (0.987)		42781	5.00000	4.78	
89 1,3-Dichlorobenzene	146	8.922	8.919 (0.995)		17868	5.00000	4.95	
90 p-Isopropyltoluene	119	8.932	8.935 (0.997)		36620	5.00000	4.80	
* 91 1,4-Dichlorobenzene-d4 (IS)	152	8.963	8.966 (1.000)		111361	50.00000		
92 1,4-Dichlorobenzene	146	8.979	8.982 (1.002)		16428	5.00000	4.73	
93 n-Butylbenzene	91	9.152	9.154 (1.021)		35755	5.00000	4.62	
94 1,2-Dichlorobenzene	146	9.173	9.170 (1.023)		15319	5.00000	5.00	
95 1,2-Dibromo-3-chloropropane	155	9.586	9.578 (1.069)		245	5.00000	7.58 (Q)	
96 1,2,4-Trichlorobenzene	180	9.999	9.996 (1.115)		12145	5.00000	4.58	
97 Hexachlorobutadiene	225	10.061	10.059 (1.122)		11043	5.00000	4.83	
98 Naphthalene	128	10.145	10.142 (1.132)		13594	5.00000	4.22	
99 1,2,3-Trichlorobenzene	180	10.260	10.262 (1.145)		10085	5.00000	4.73	
100 2-methyl-naphthalene	142	10.798	10.796 (1.205)		7341	5.00000	3.46	
101 1-methylnaphthalene	142	10.919	10.916 (1.218)		6243	5.00000	3.60	

QC Flag Legend

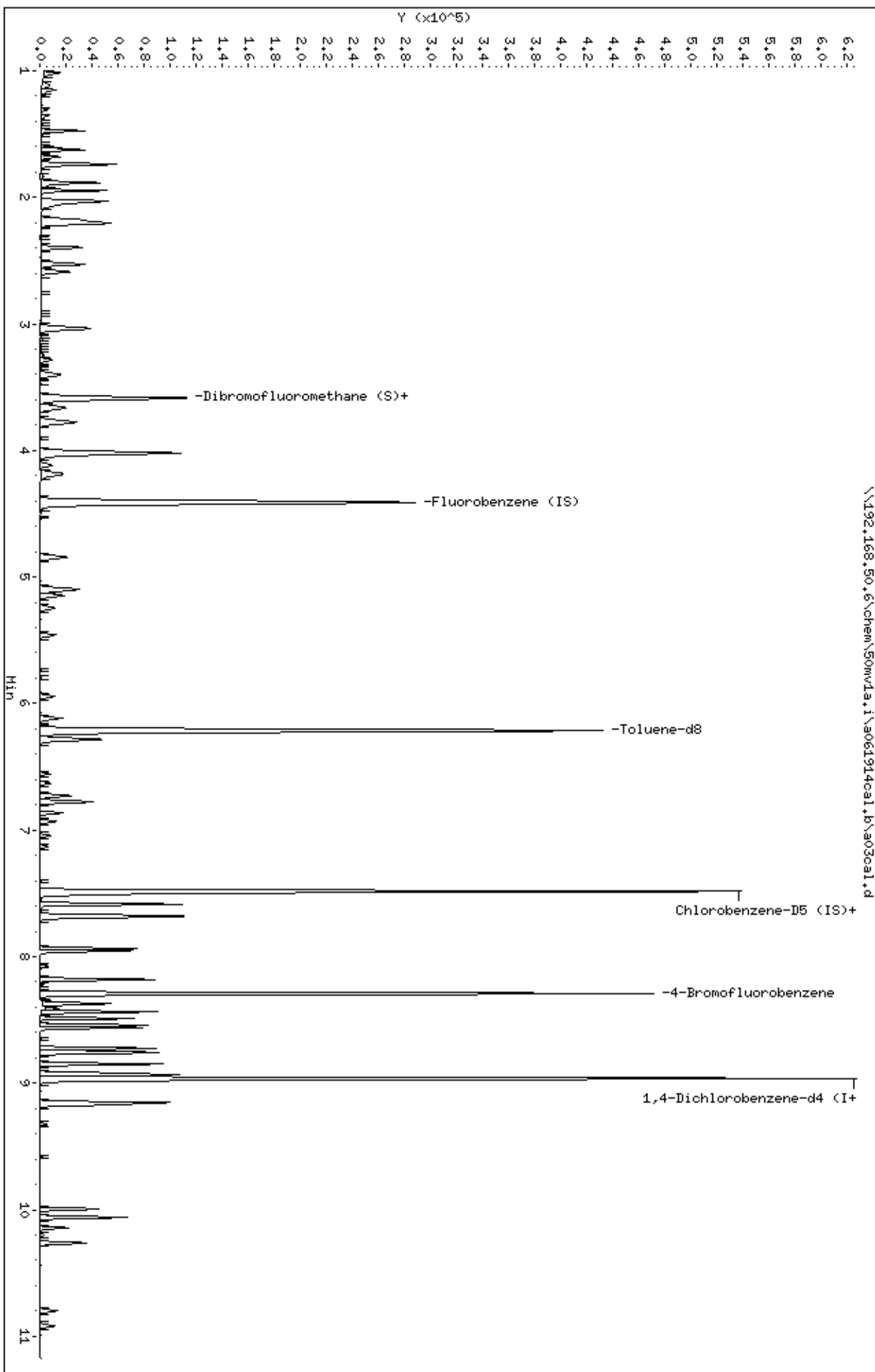
Q - Qualifier signal failed the ratio test.
 M - Compound response manually integrated.

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.

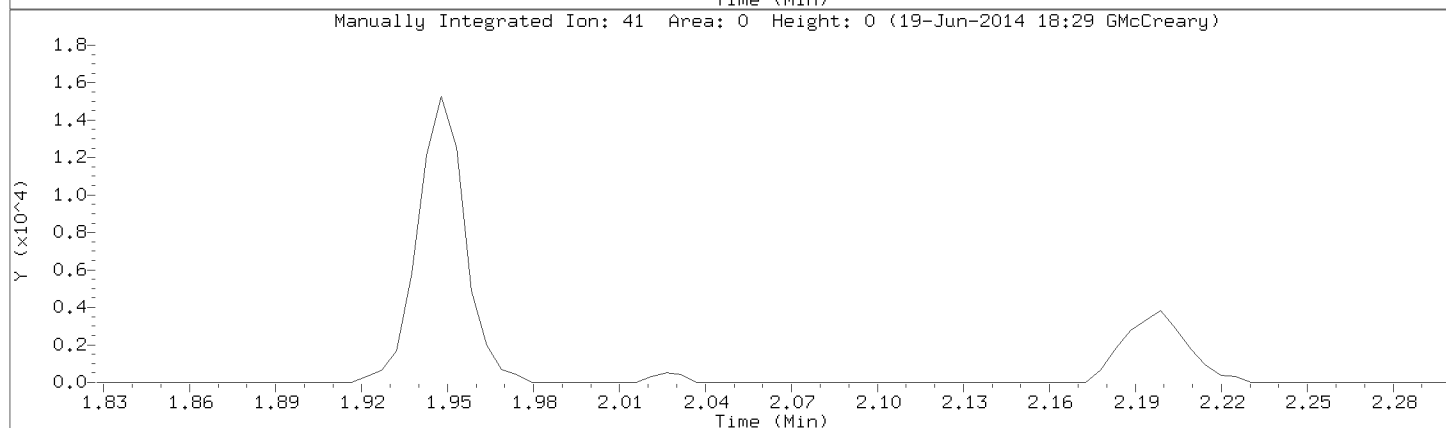
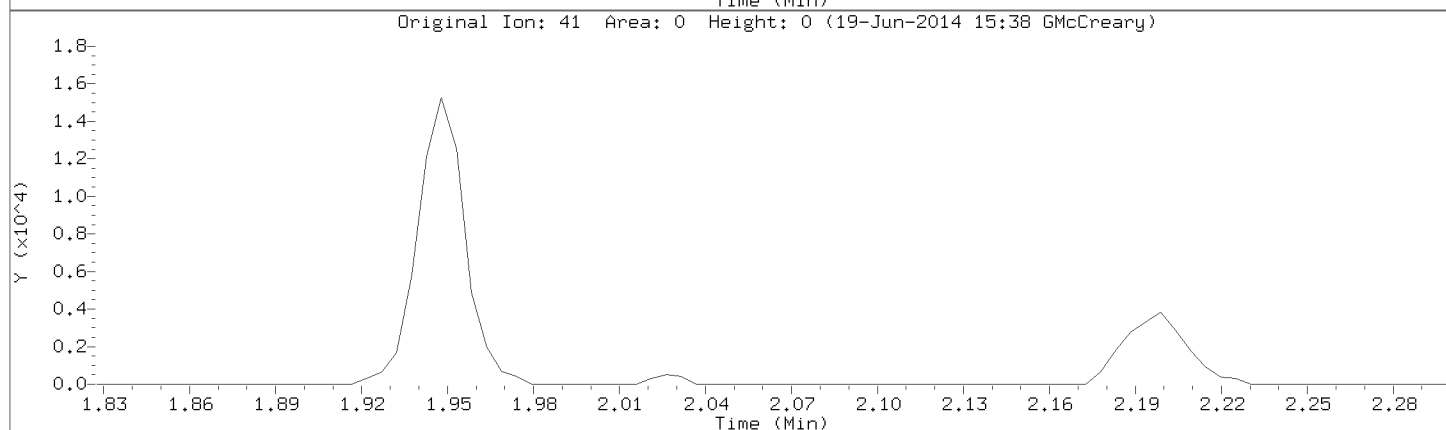
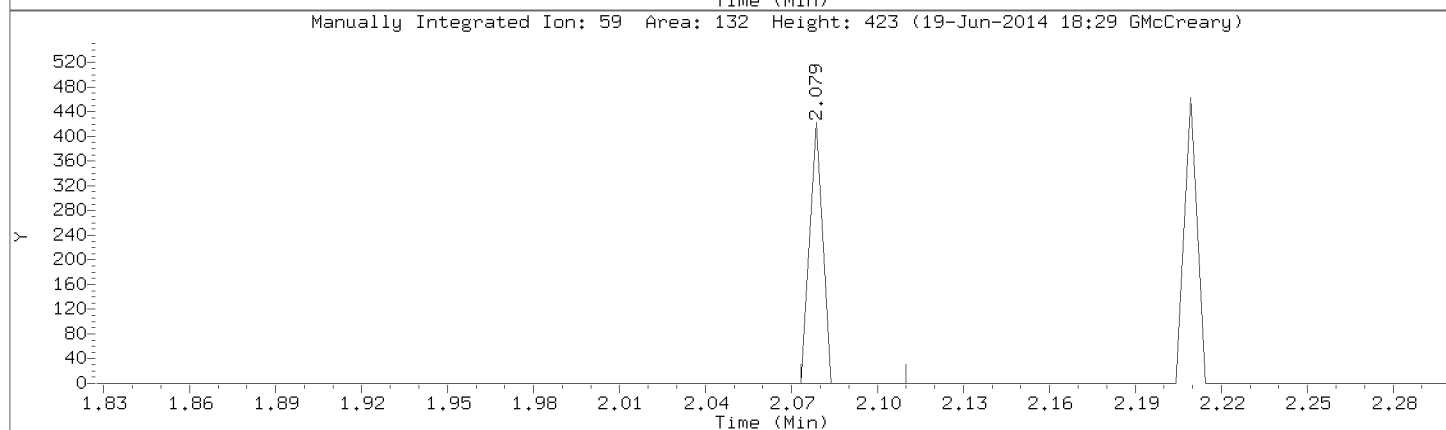
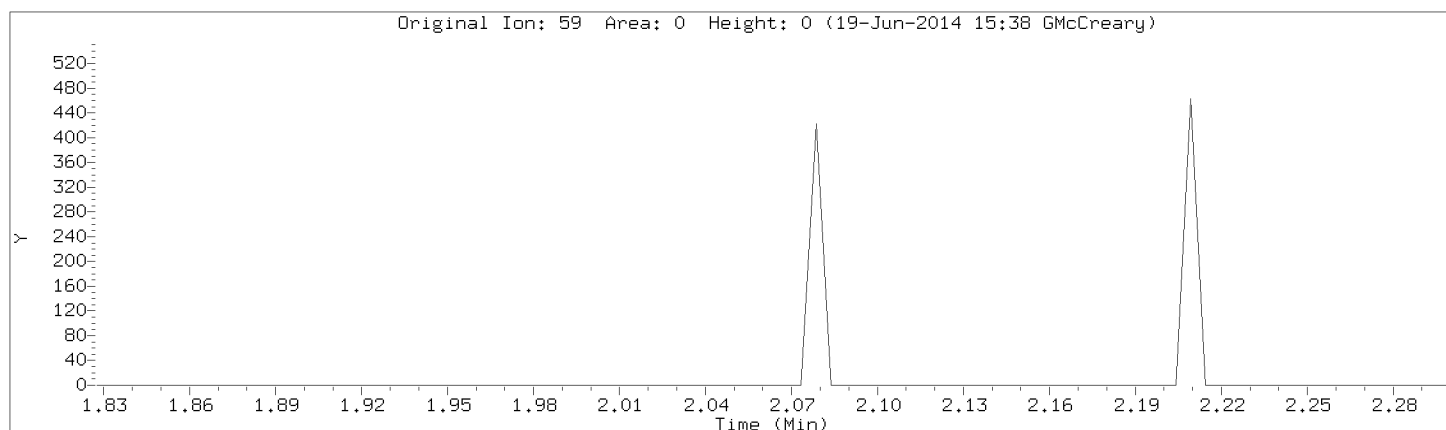
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Sample Info: 8260-CAL3,710999;0
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50w1a.1
Operator: grm
Column diameter: 0.18



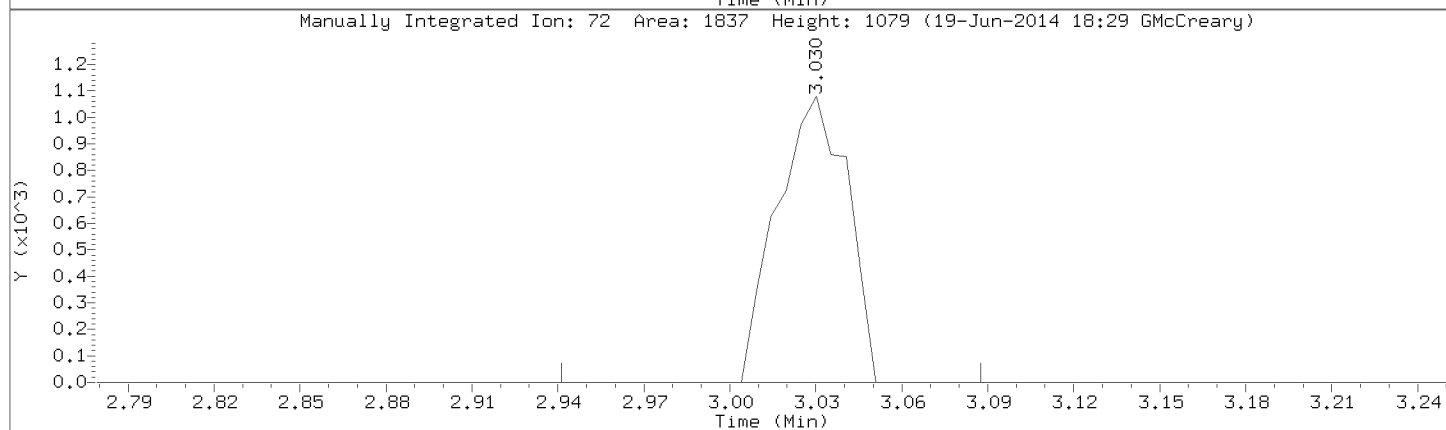
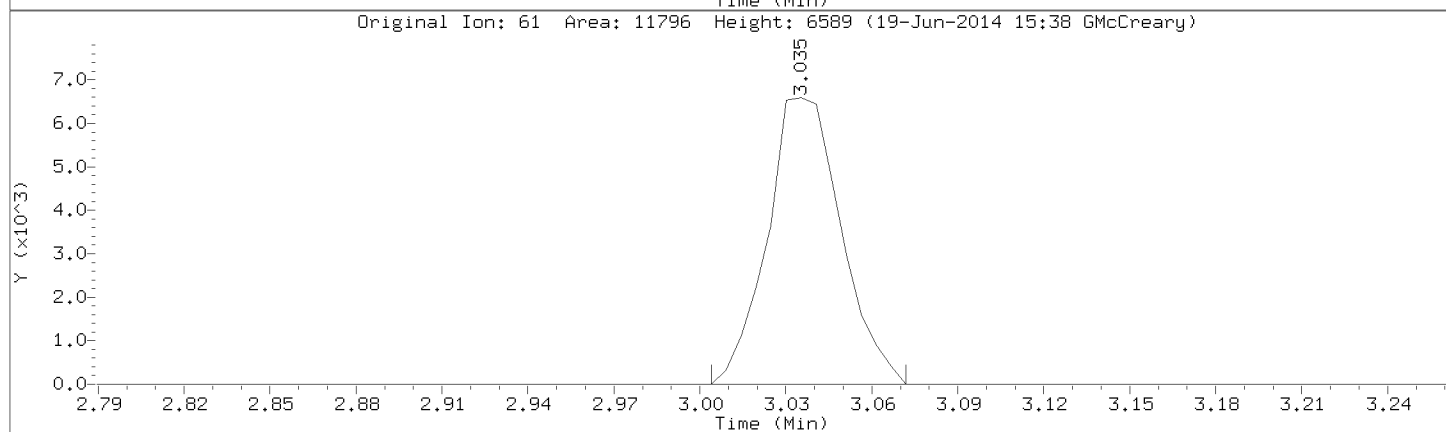
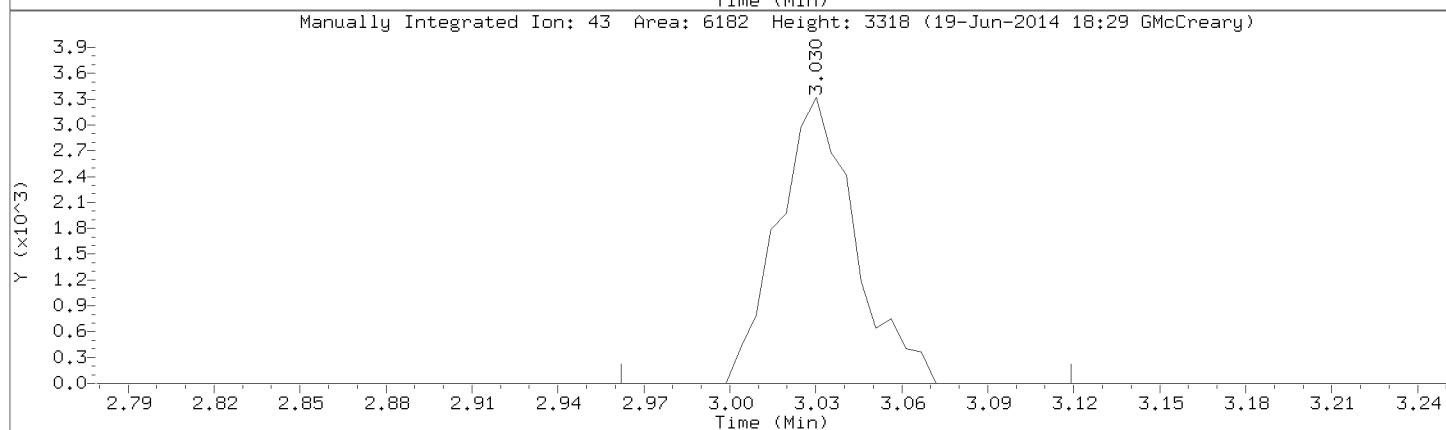
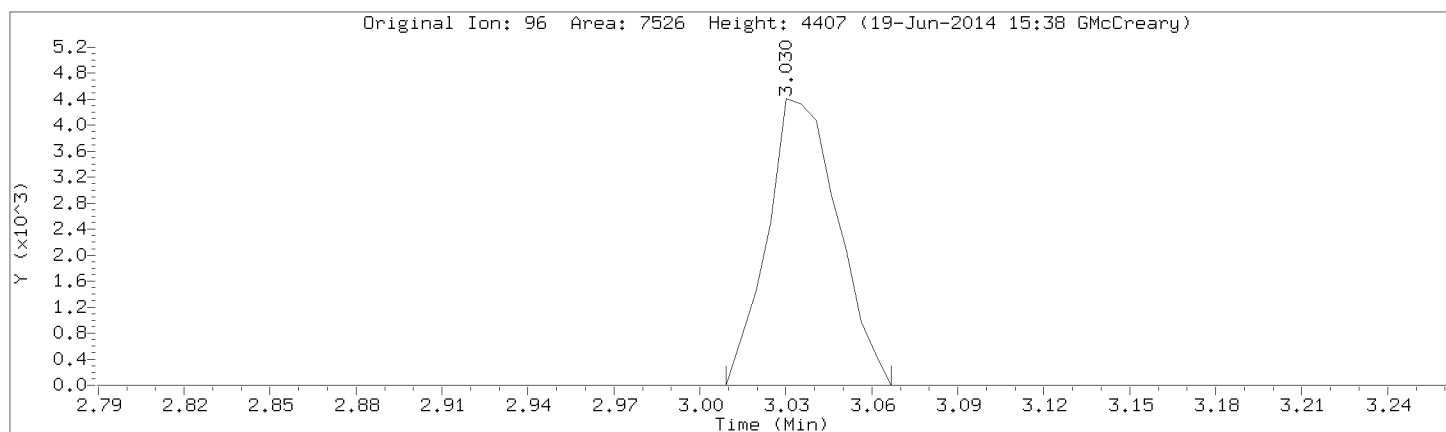
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Injection Date: 19-JUN-2014 14:56
Instrument: 50mv1a.i
Lab Sample ID: 8260-CAL3,71099:0

Compound: tert-Butyl Alcohol
CAS Number: 75-65-0

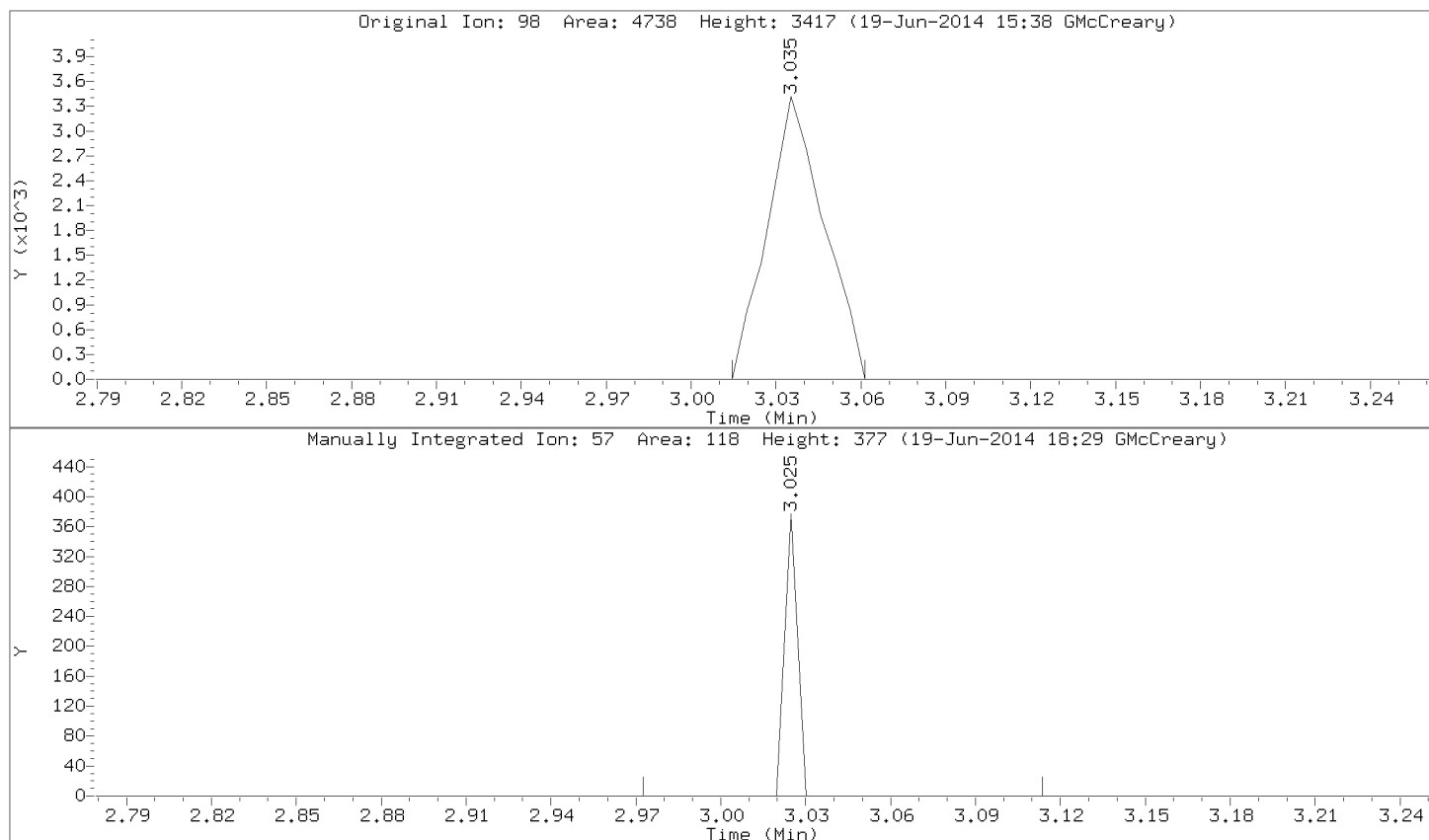


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Instrument: 50mv1a.i
Lab Sample ID: 8260-CAL3,71099:0

Compound: 2-Butanone
CAS Number: 78-93-3

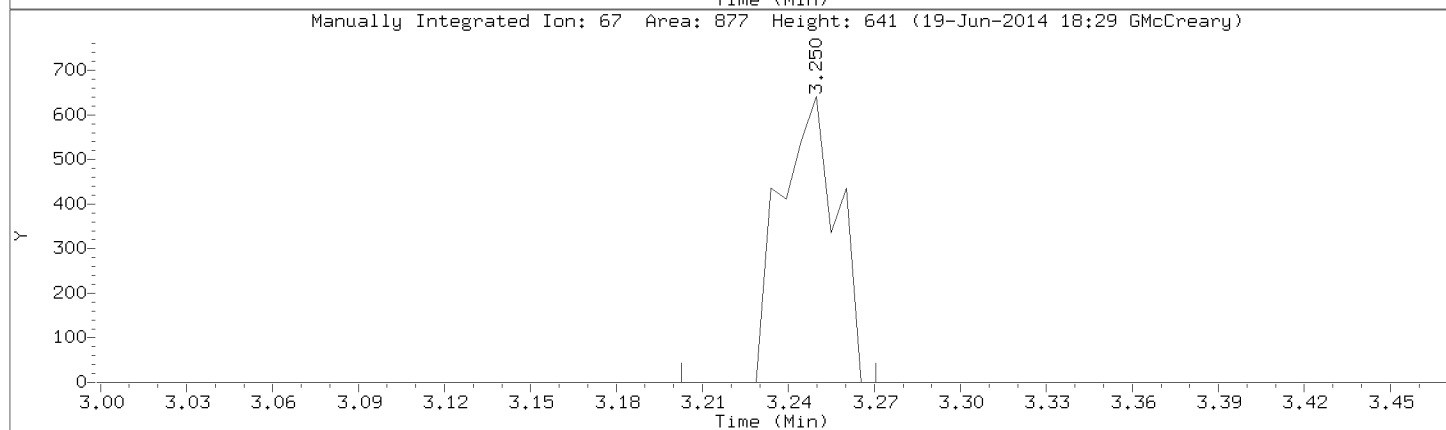
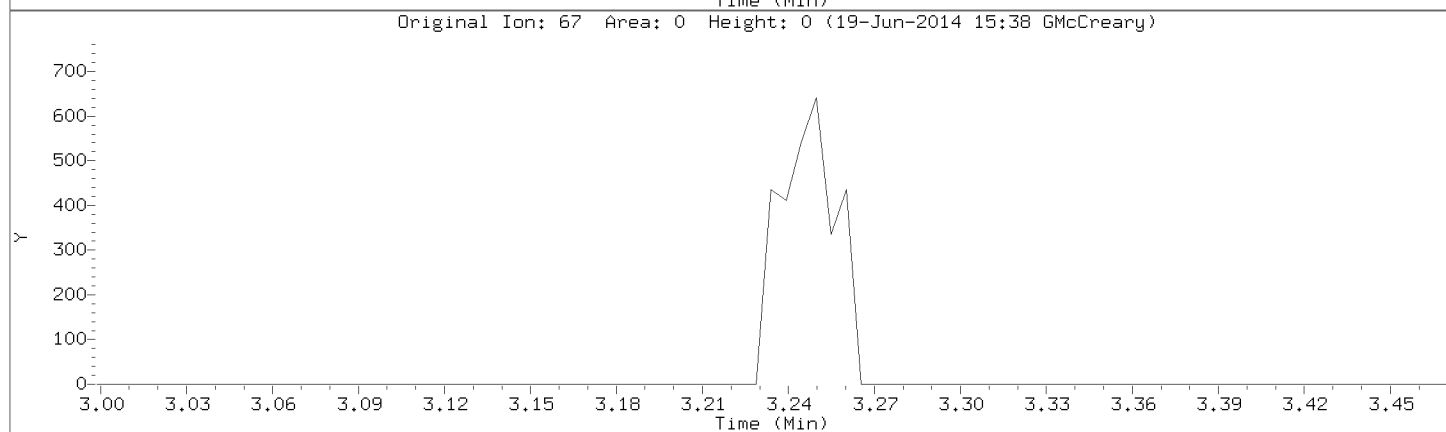
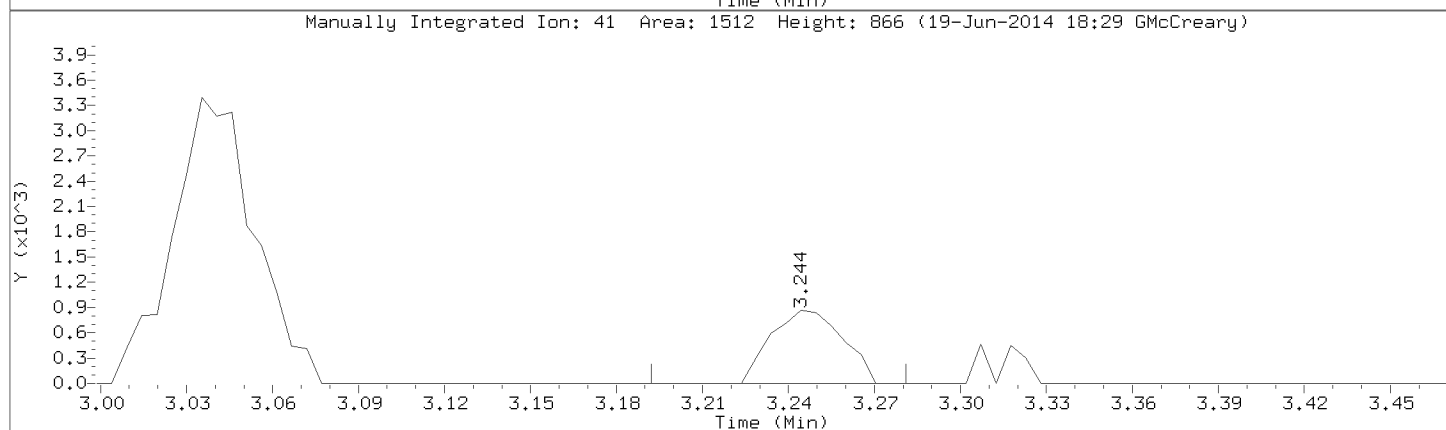
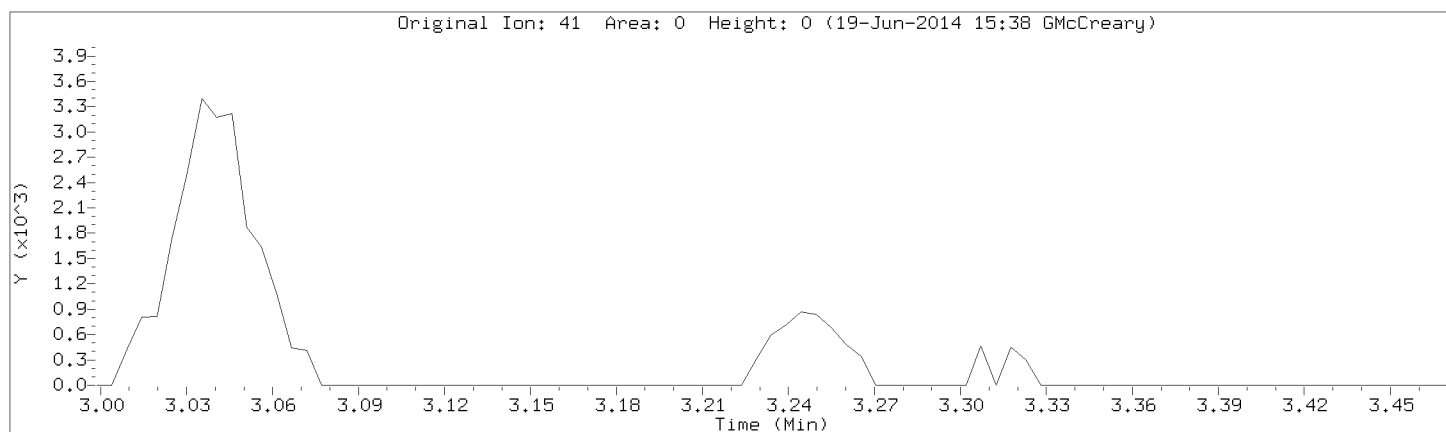


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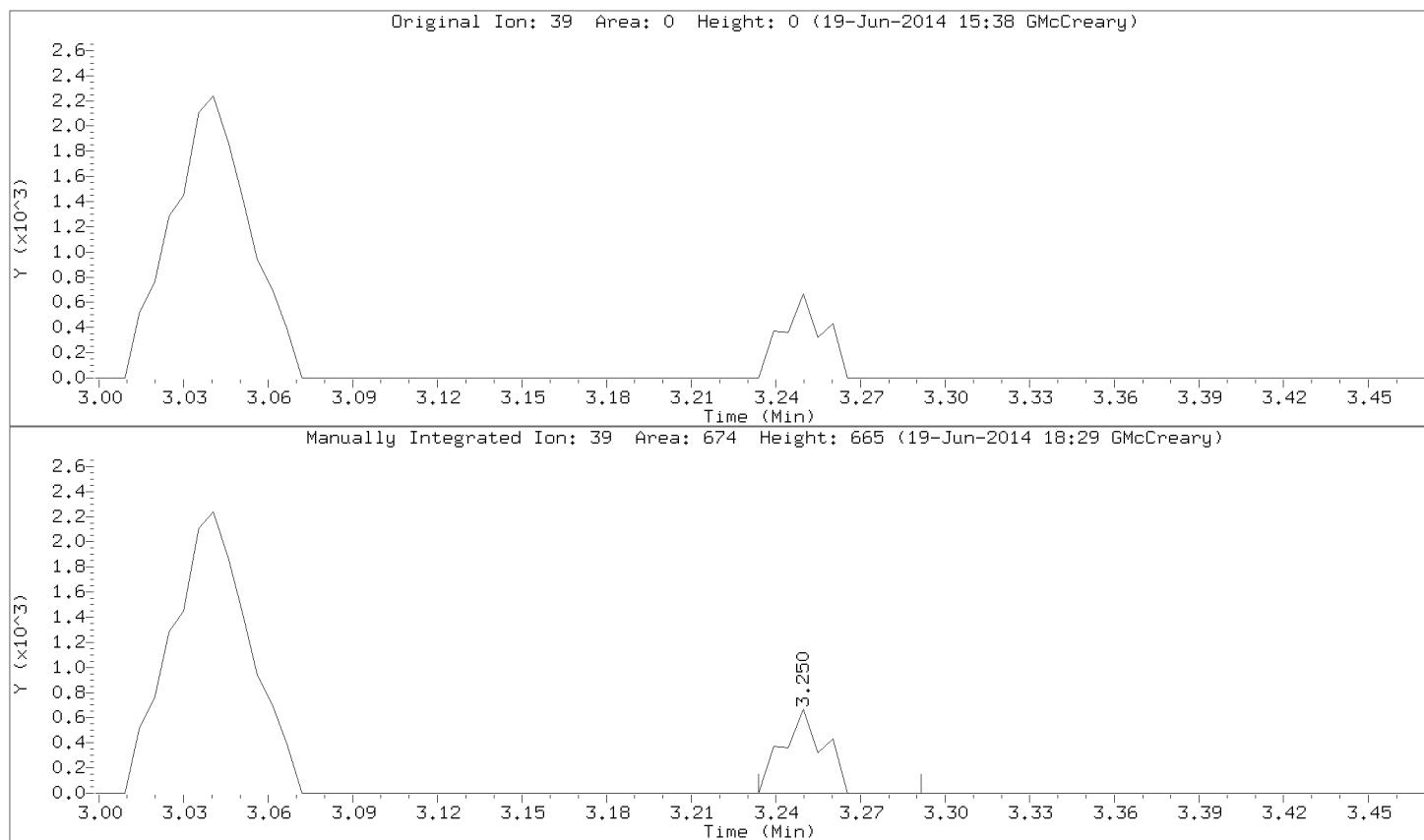


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Lab Sample ID: 8260-CAL3,71099:0

Compound: Methacrylonitrile
CAS Number: 126-98-7



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Injection Date: 19-JUN-2014 14:56
Instrument: 50mv1a.i
Lab Sample ID: 8260-CAL3,71099:0



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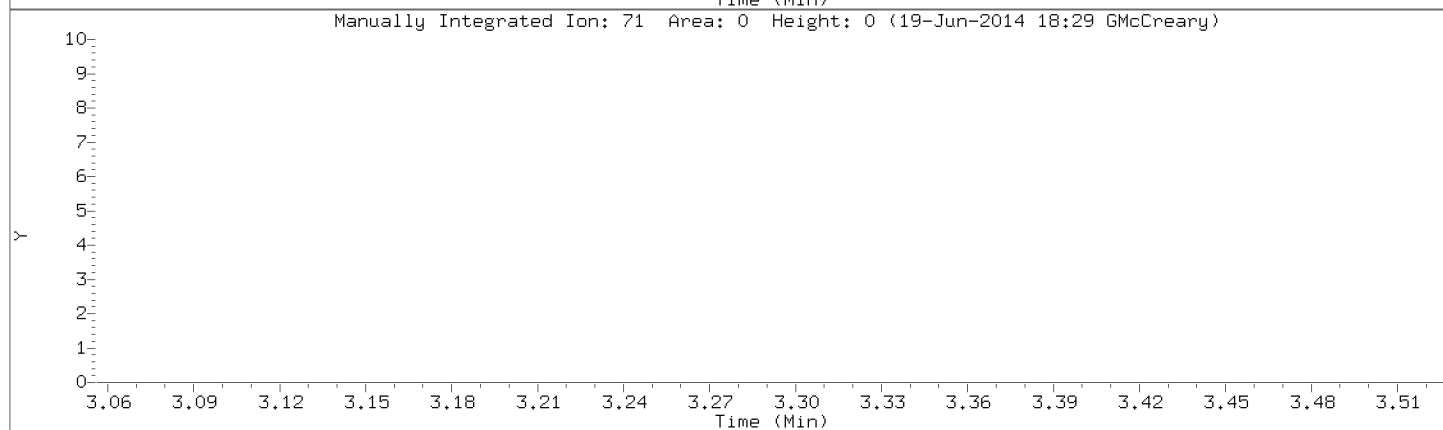
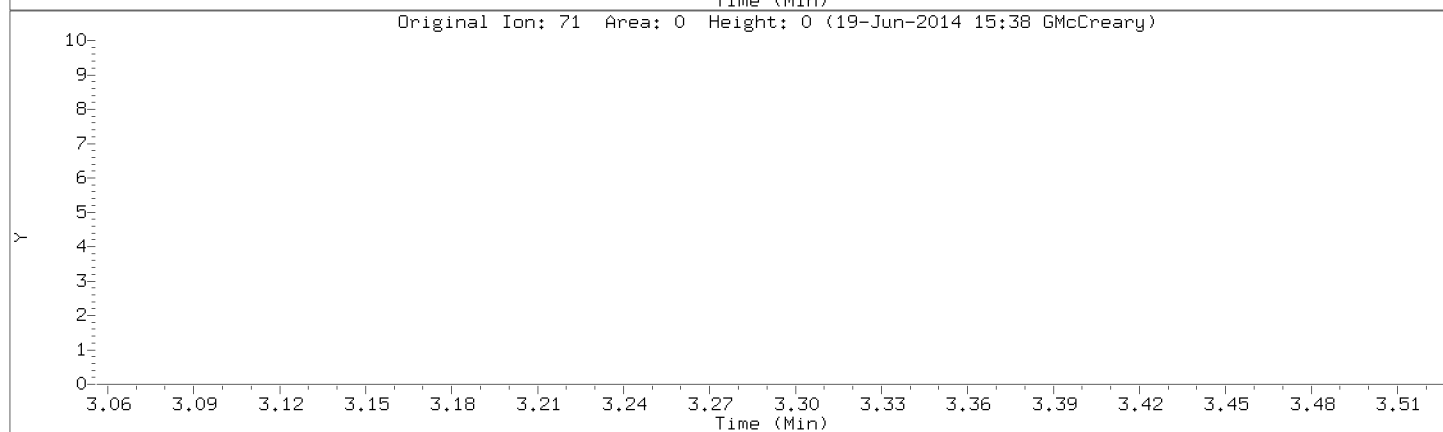
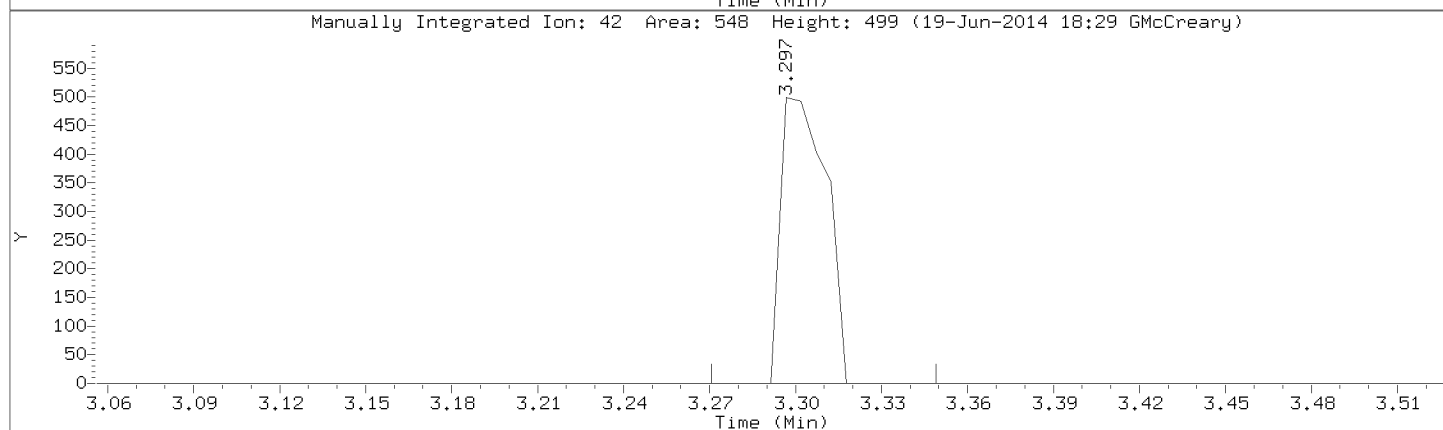
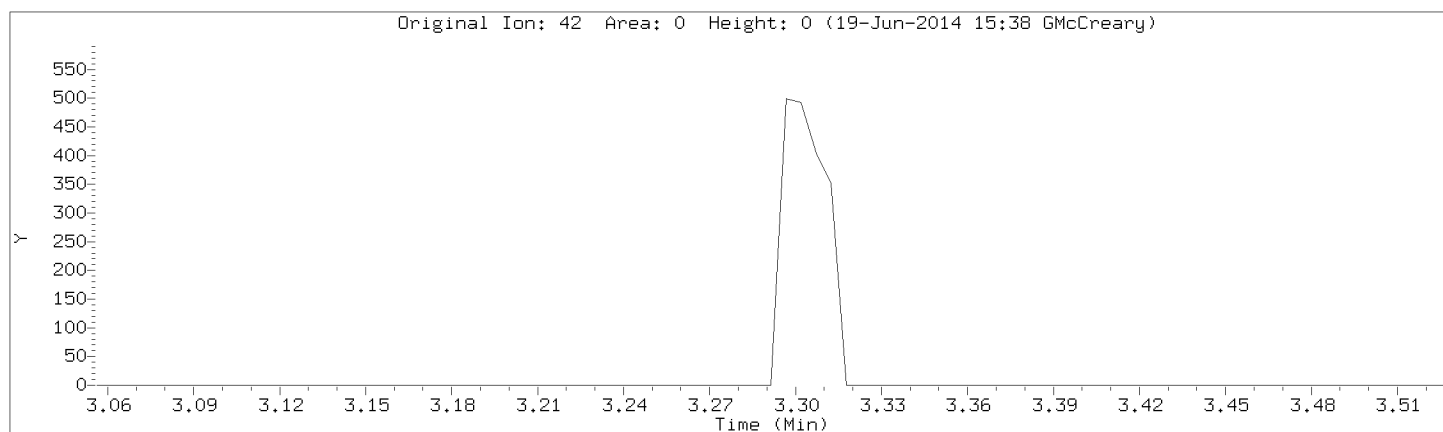
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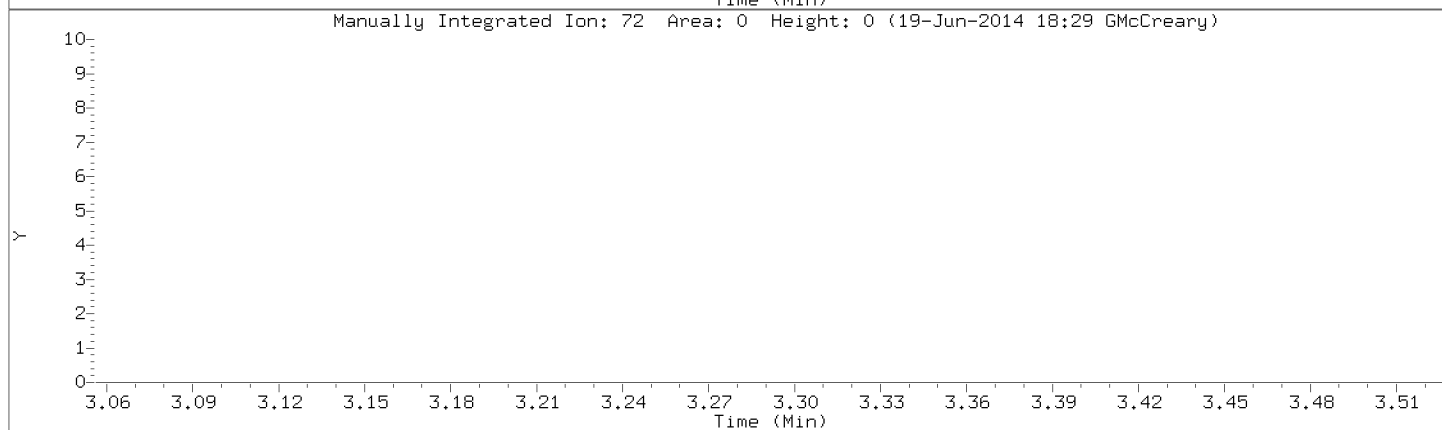
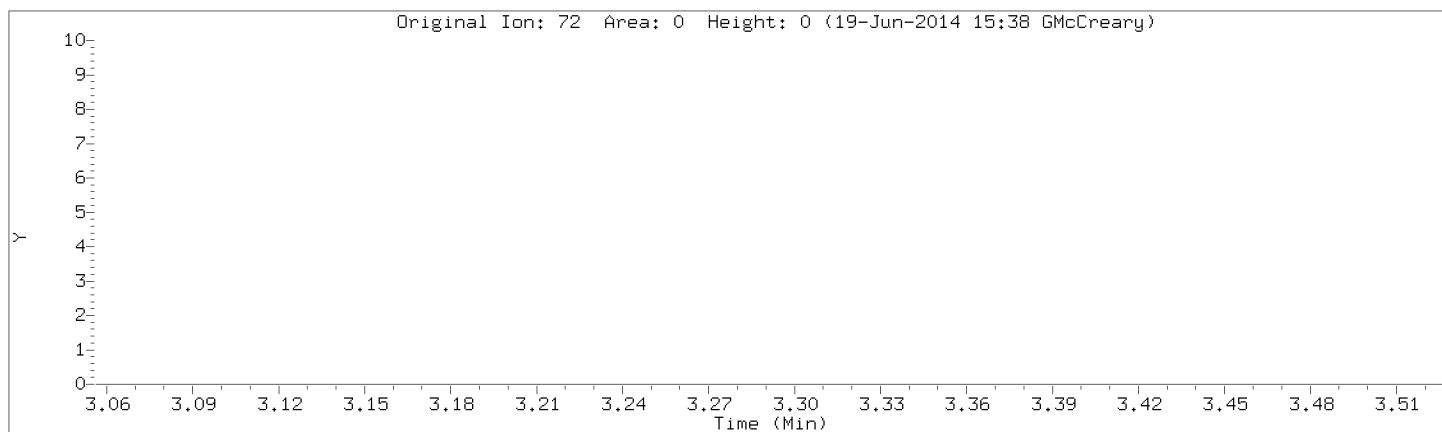
Lab Sample ID: 8260-CAL3,71099:0

Compound: Tetrahydrofuran

CAS Number:



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Instrument: 50mv1a.i
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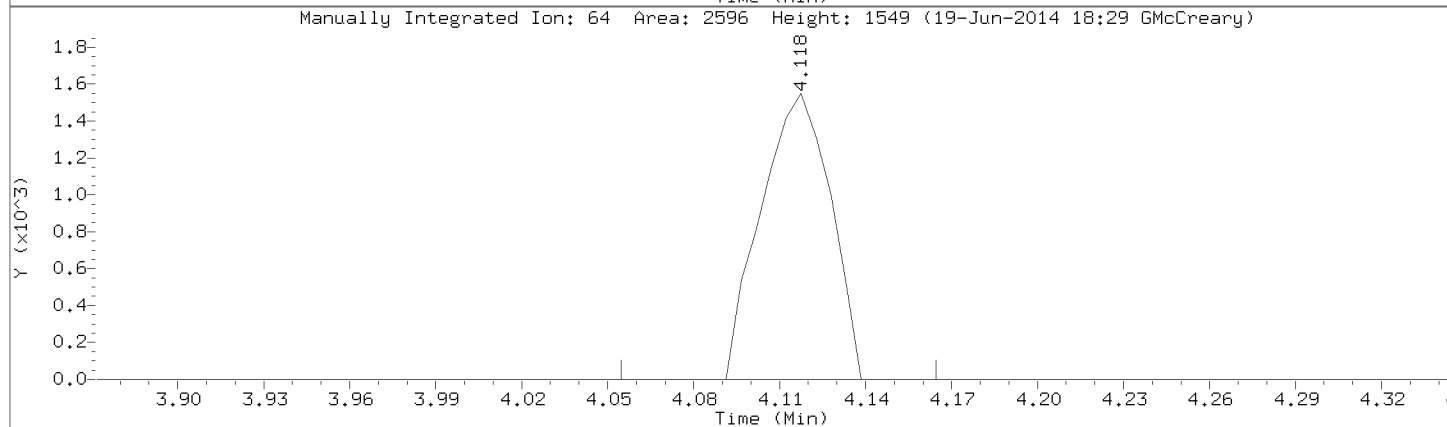
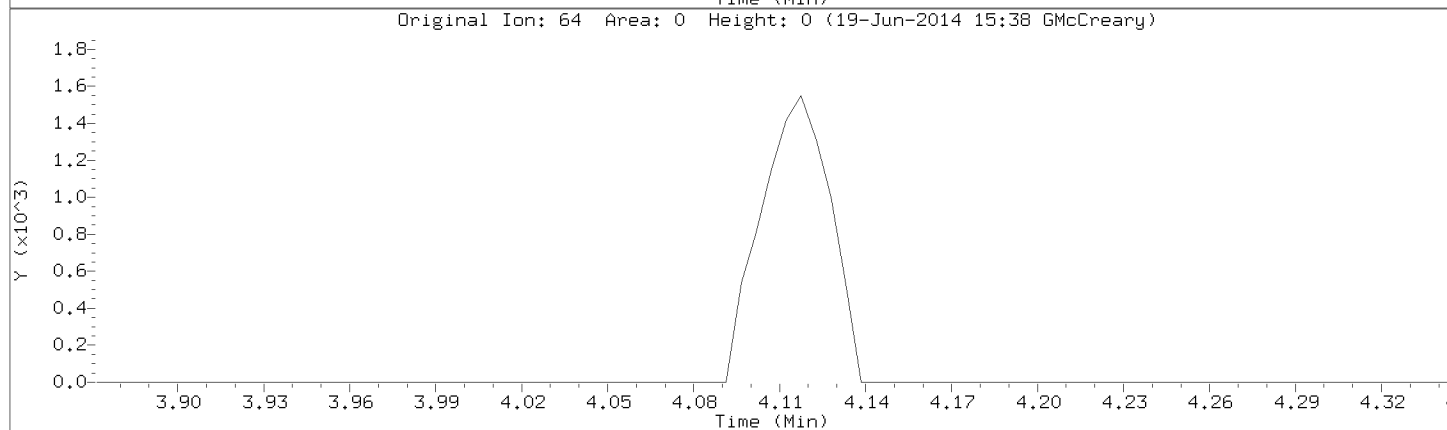
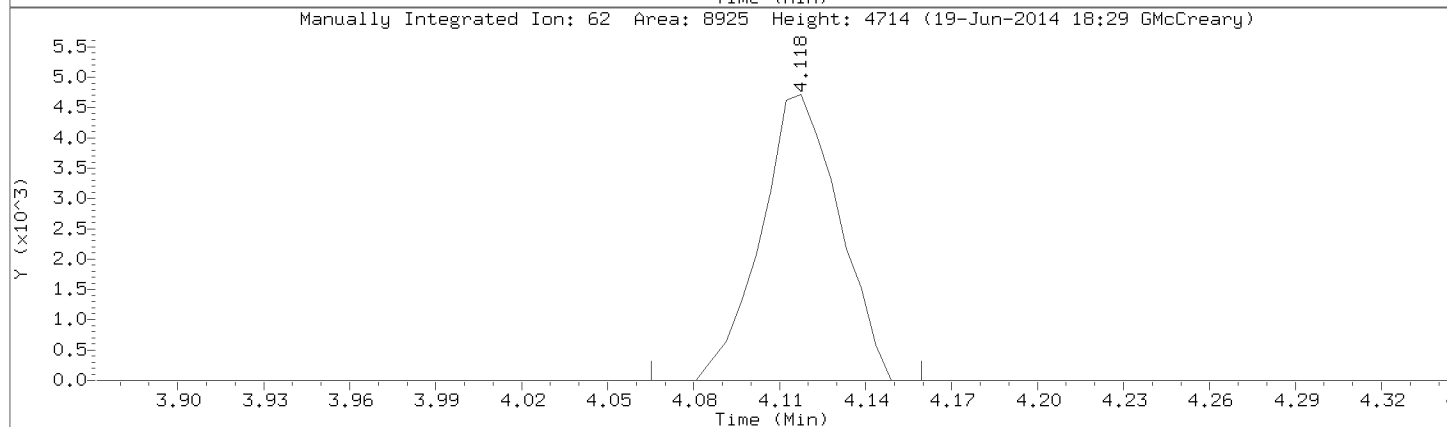
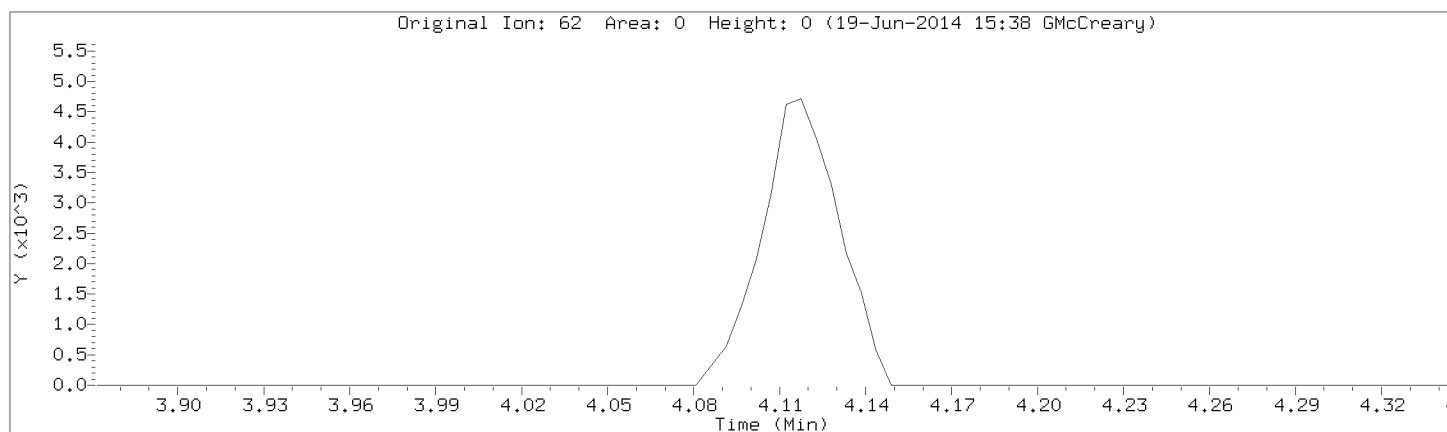
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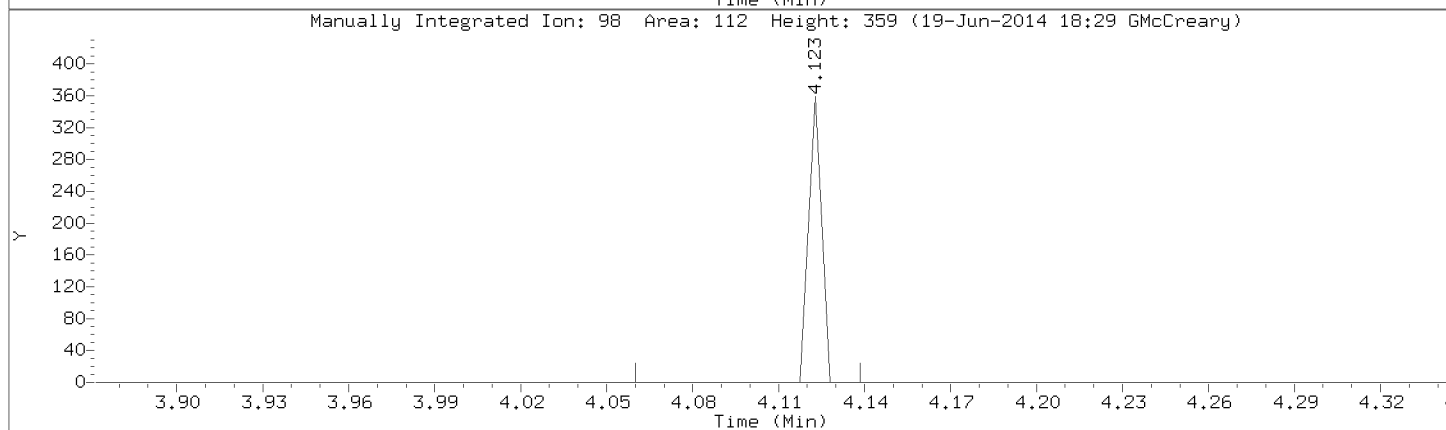
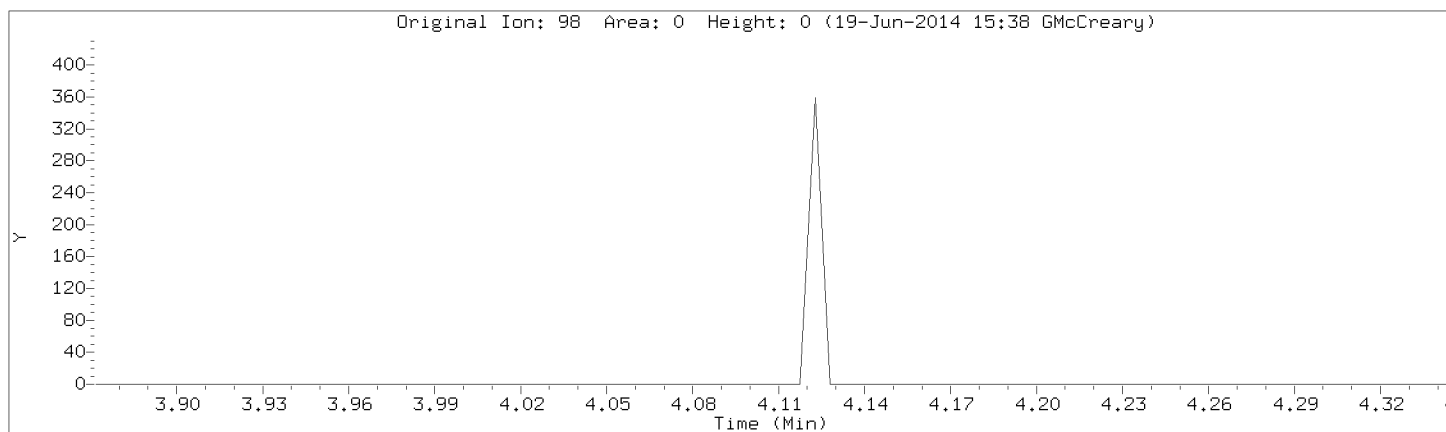
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Compound: 1,2-Dichloroethane

CAS Number: 107-06-2



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Instrument: 50mv1a.i
Lab Sample ID: 8260-CAL3,71099:0



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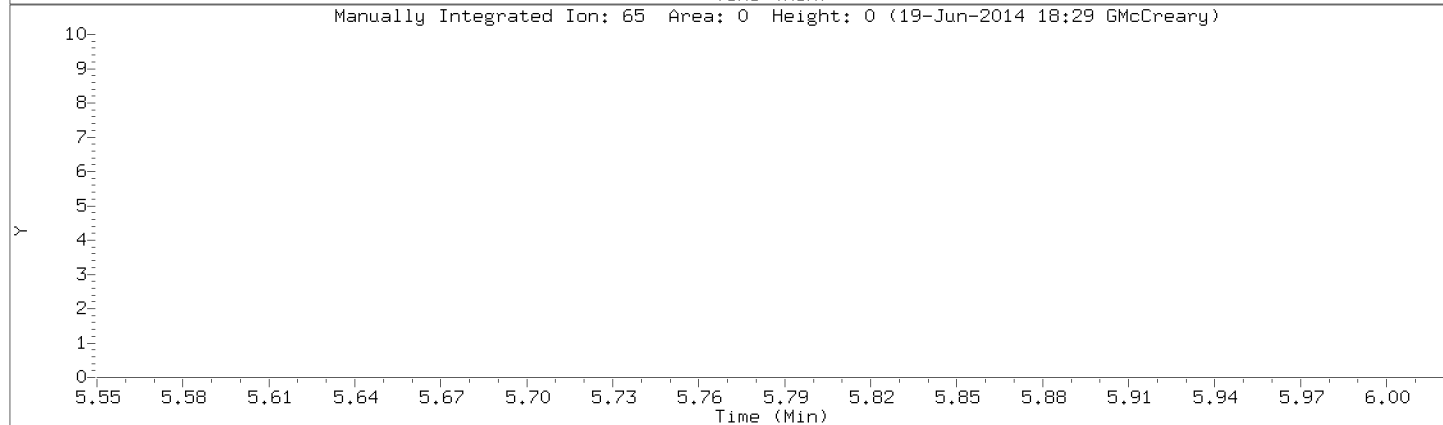
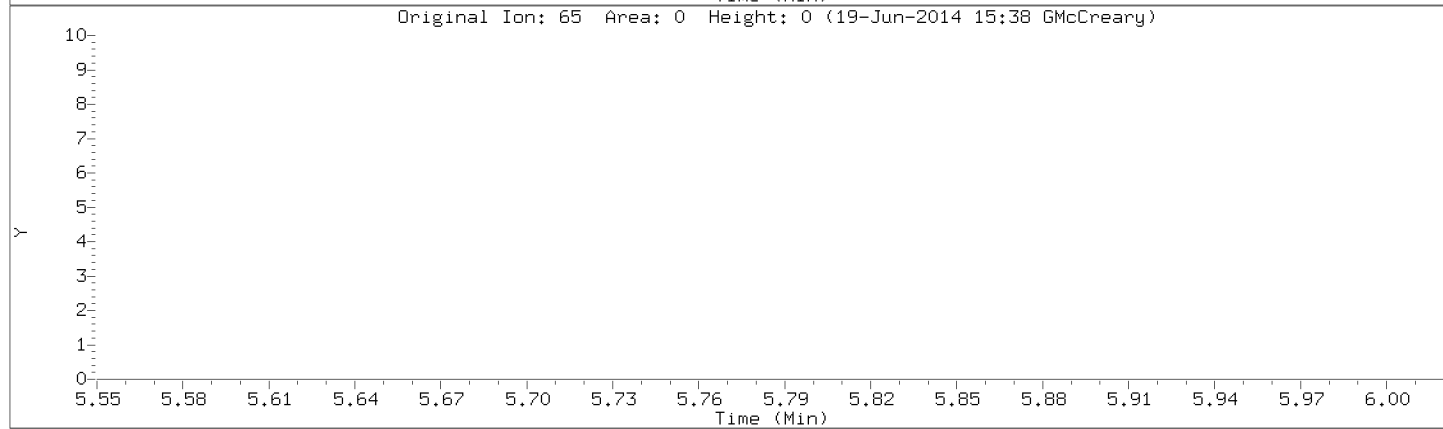
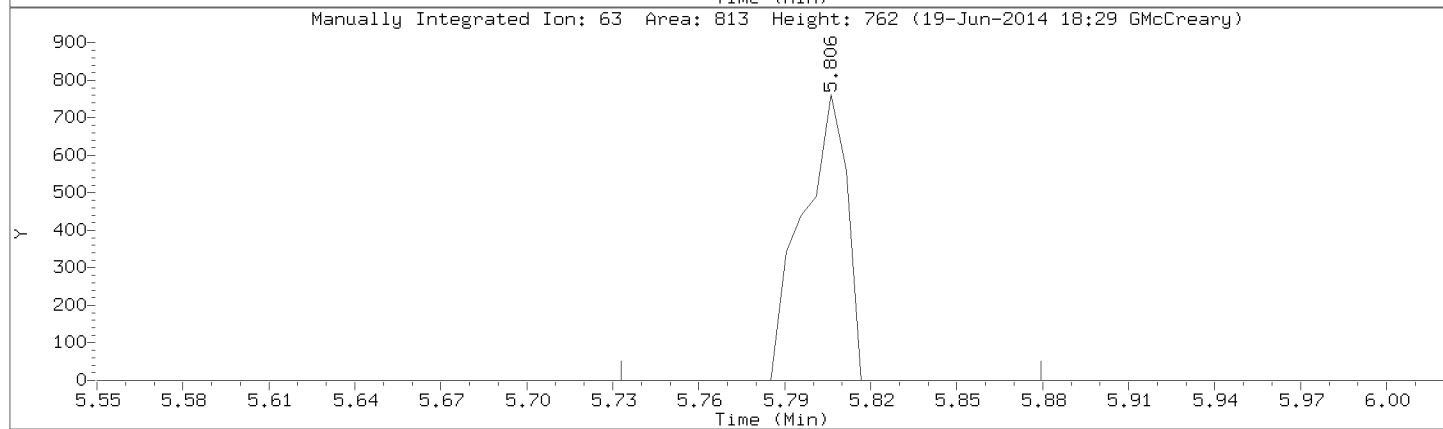
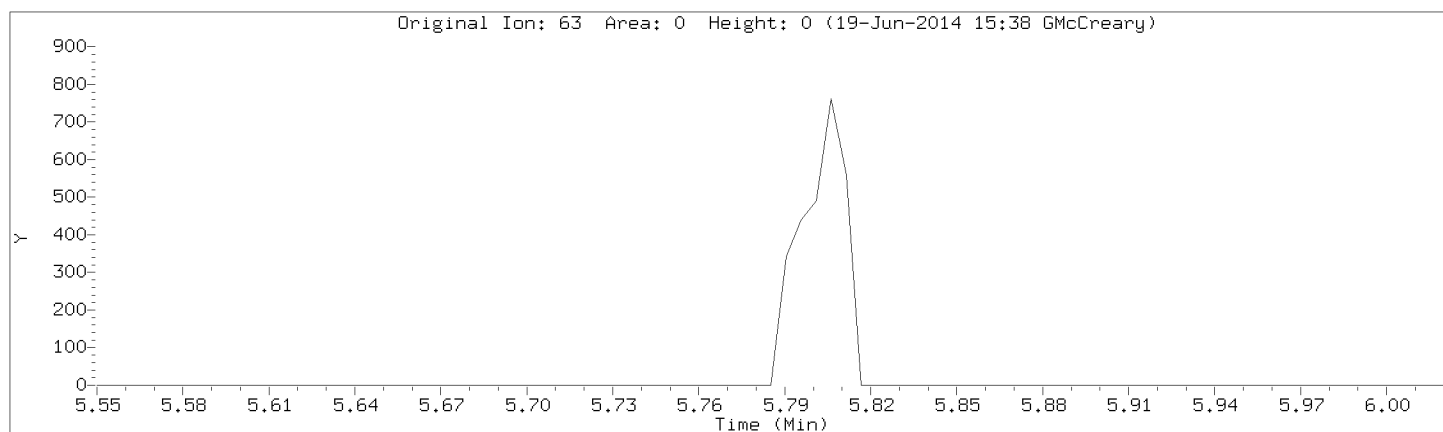
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Instrument: 50mv1a.i

Lab Sample ID: 8260-CAL3,71099:0

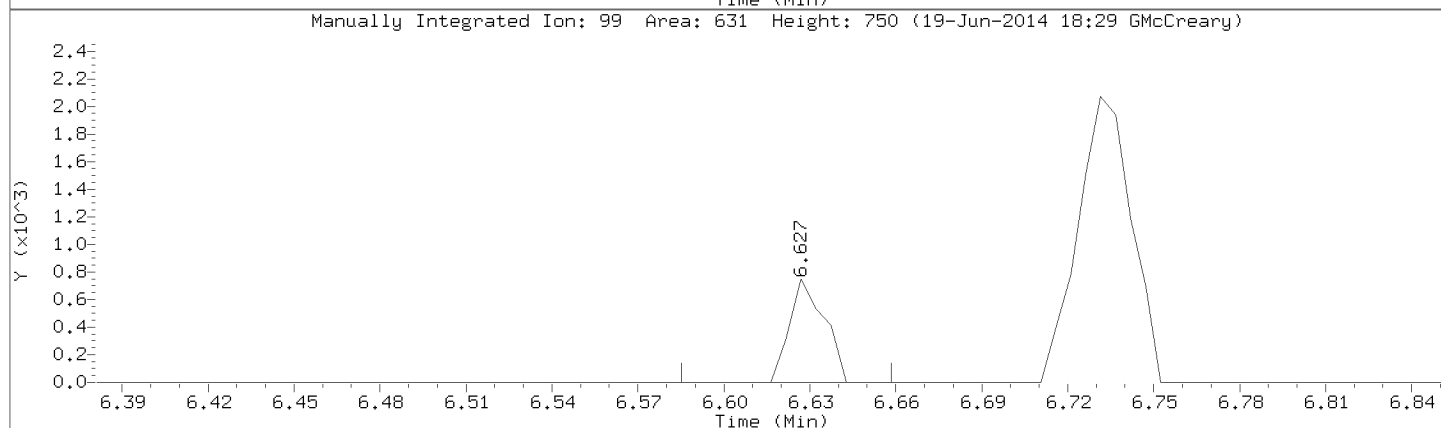
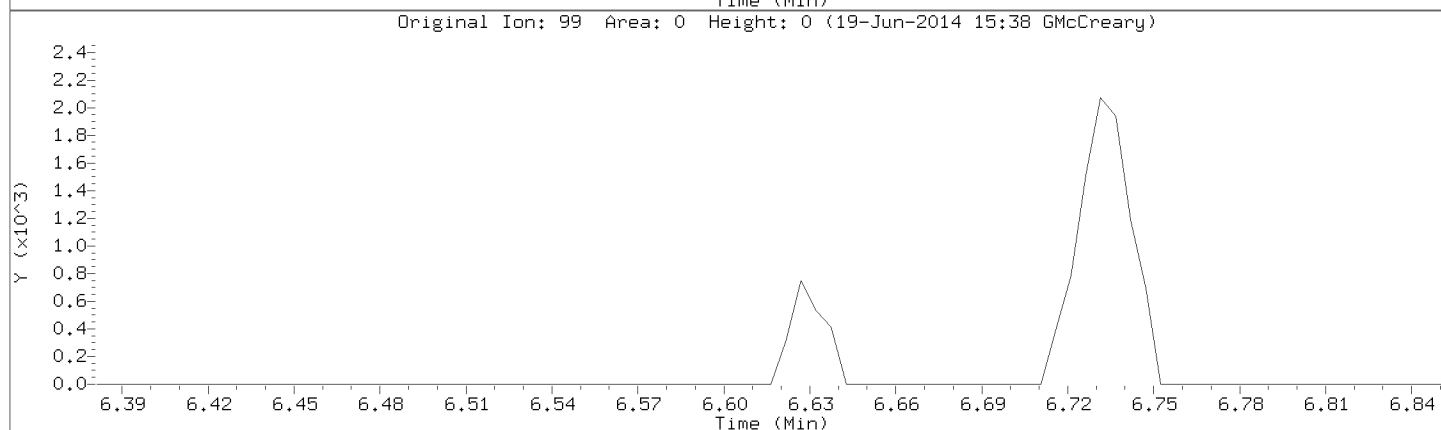
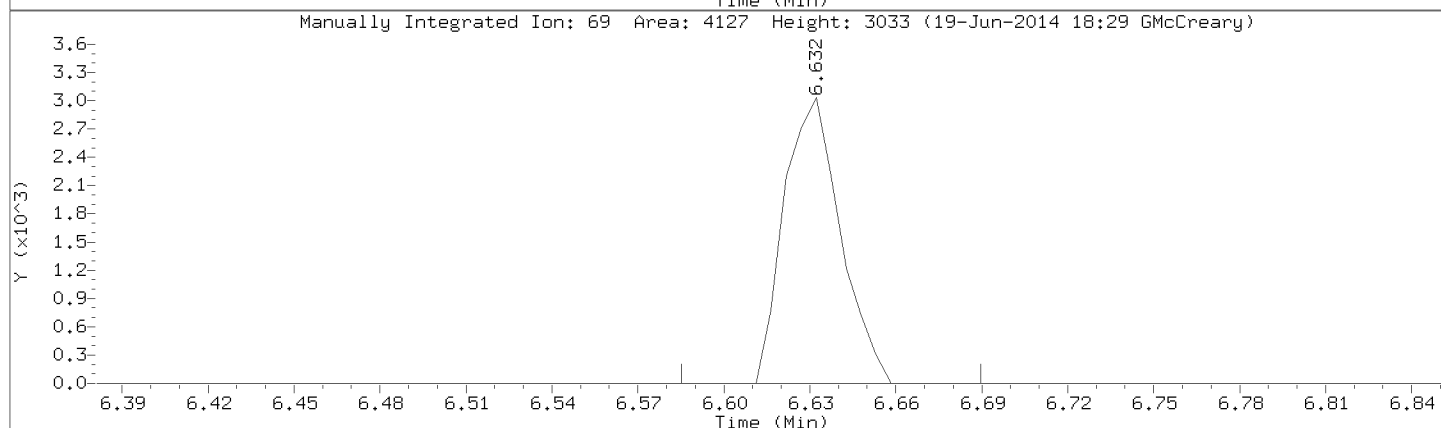
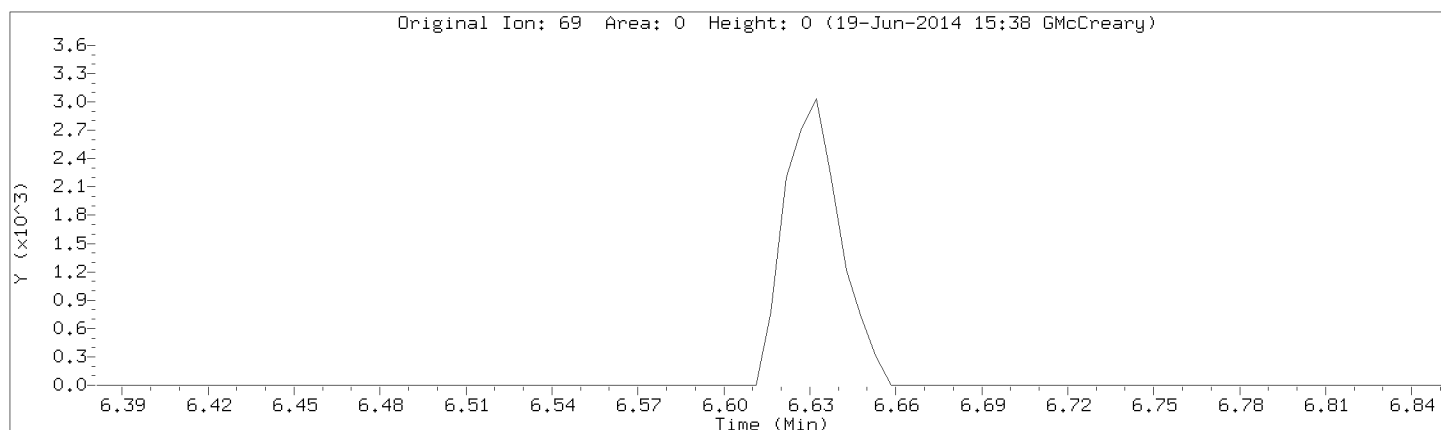
Compound: 2-Chloroethyl vinyl ether

CAS Number: 110-75-8



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Instrument: 50mv1a.i
Lab Sample ID: 8260-CAL3,71099:0

Compound: Ethyl Methacrylate
CAS Number:

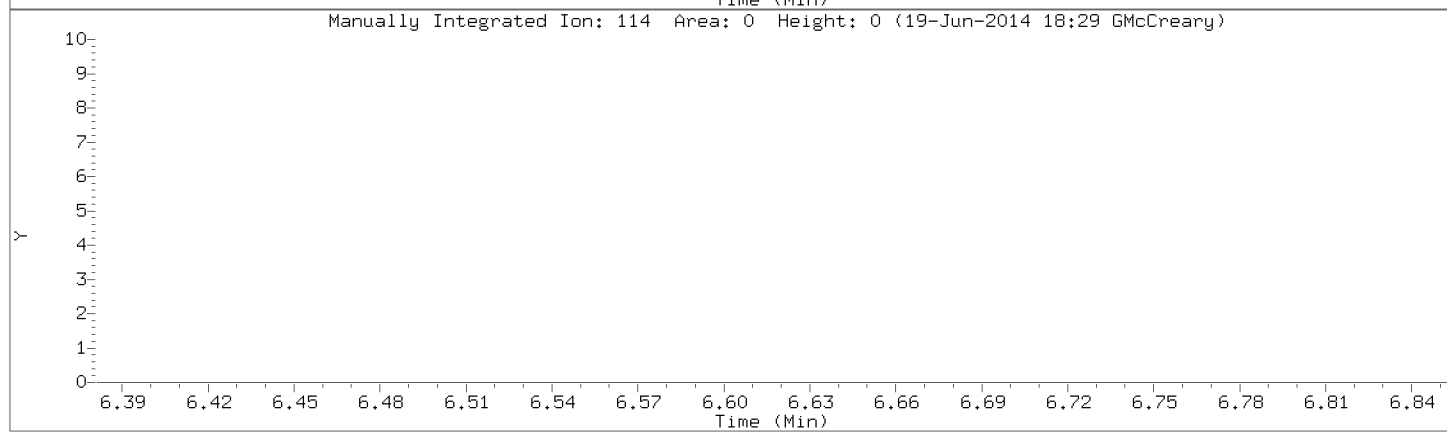
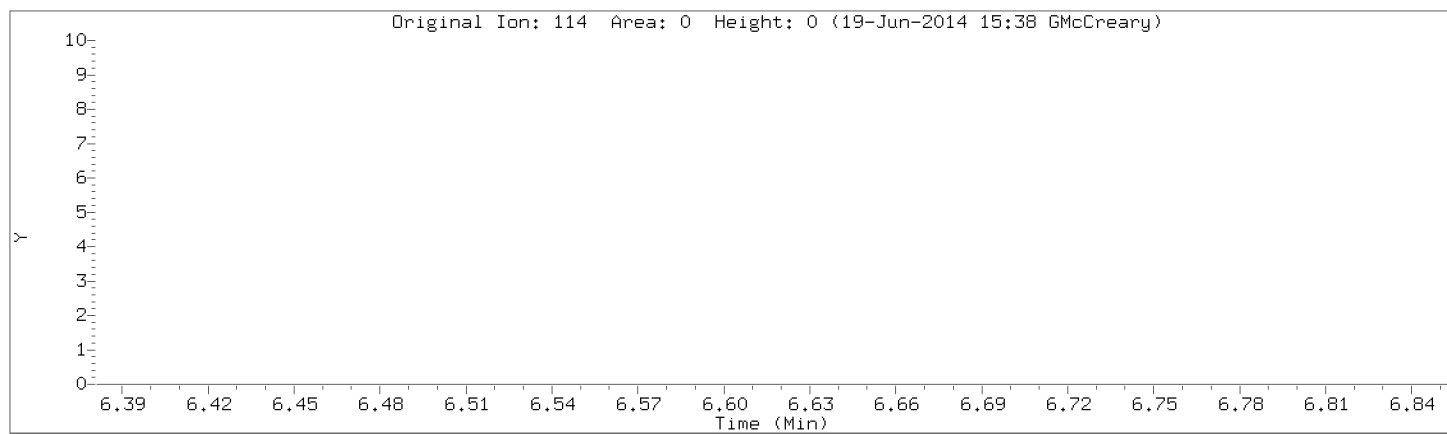


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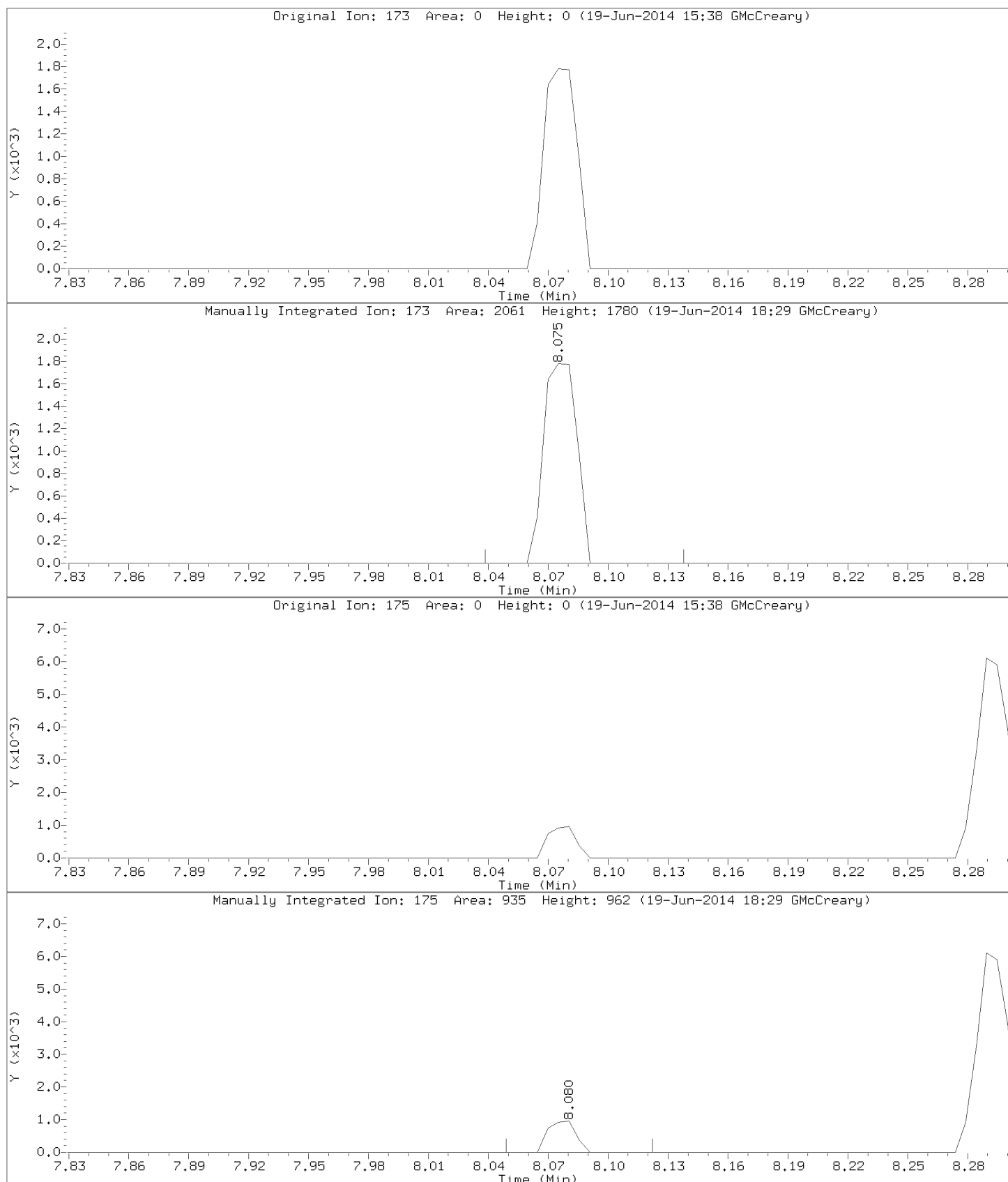
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Lab Sample ID: 8260-CAL3,71099:0



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Instrument: 50mv1a.i
Lab Sample ID: 8260-CAL3,71099:0

Compound: Bromoform
CAS Number: 75-25-2

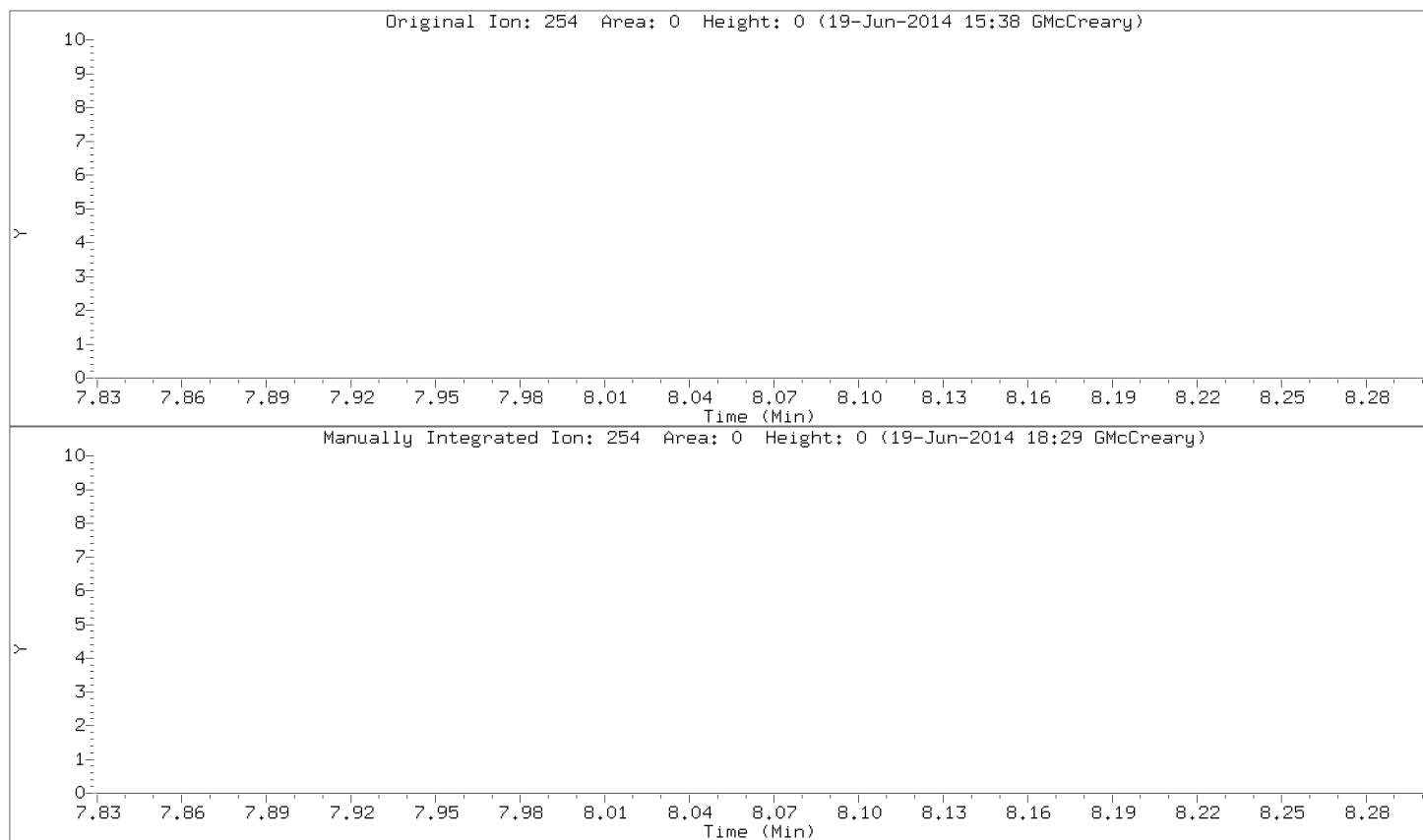


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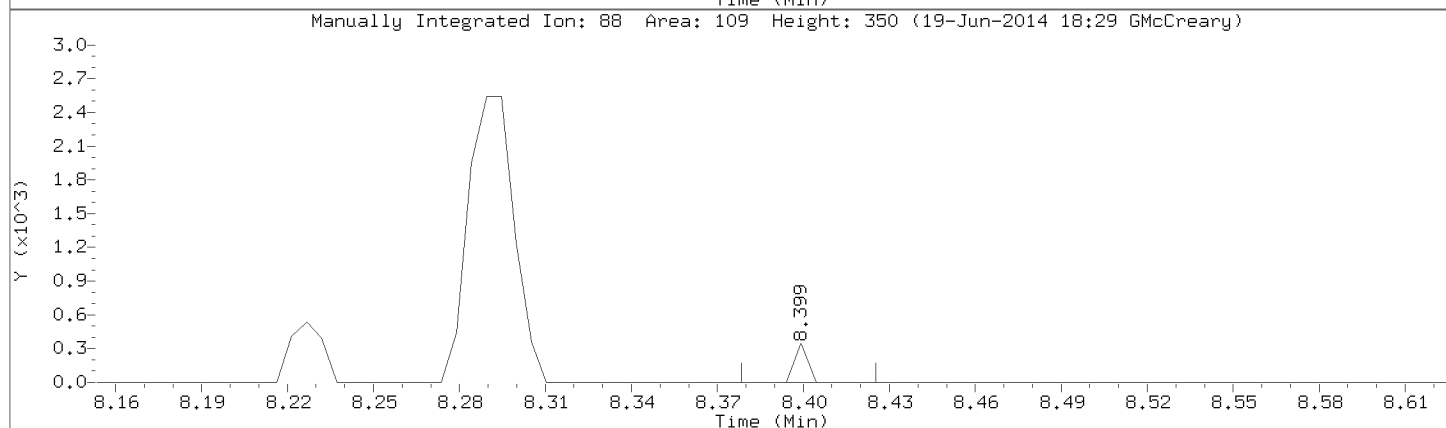
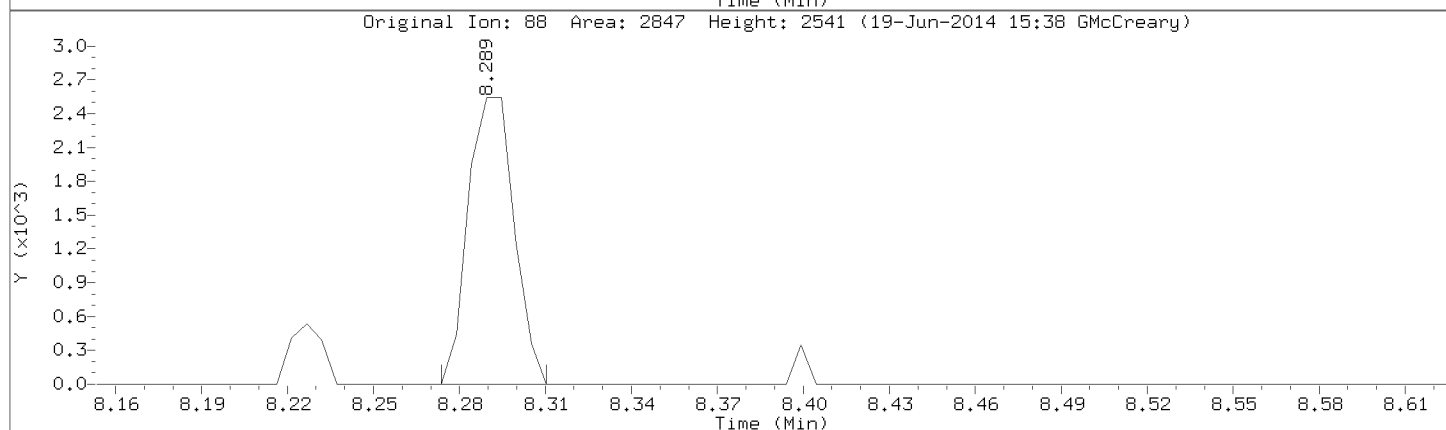
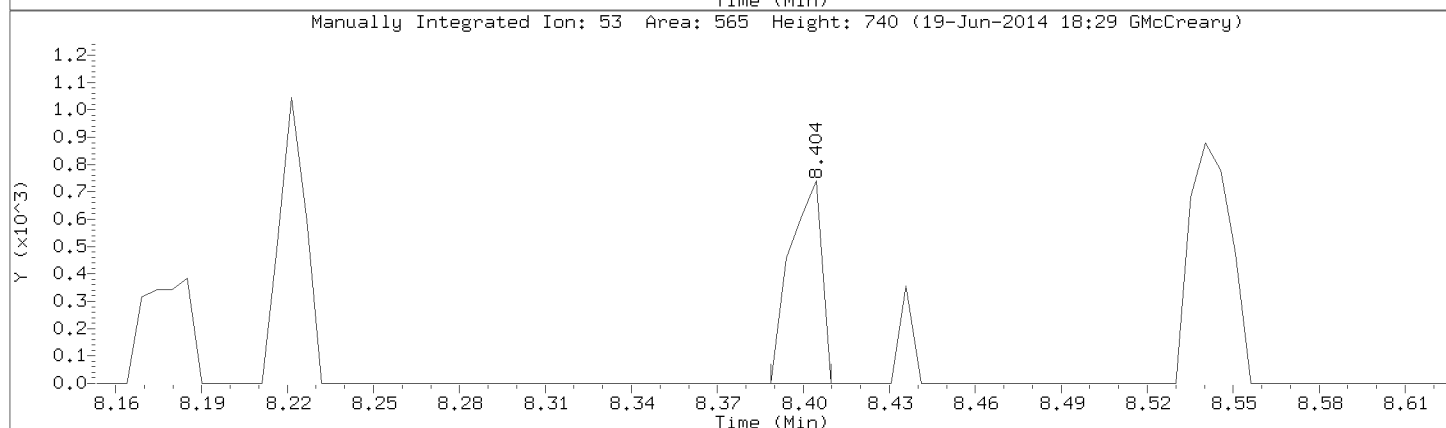
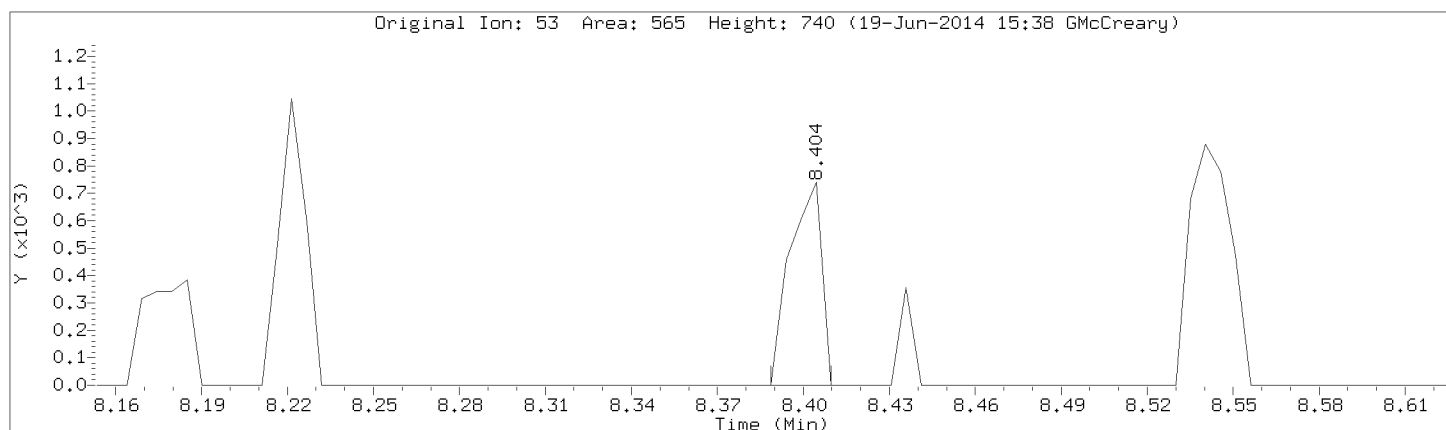
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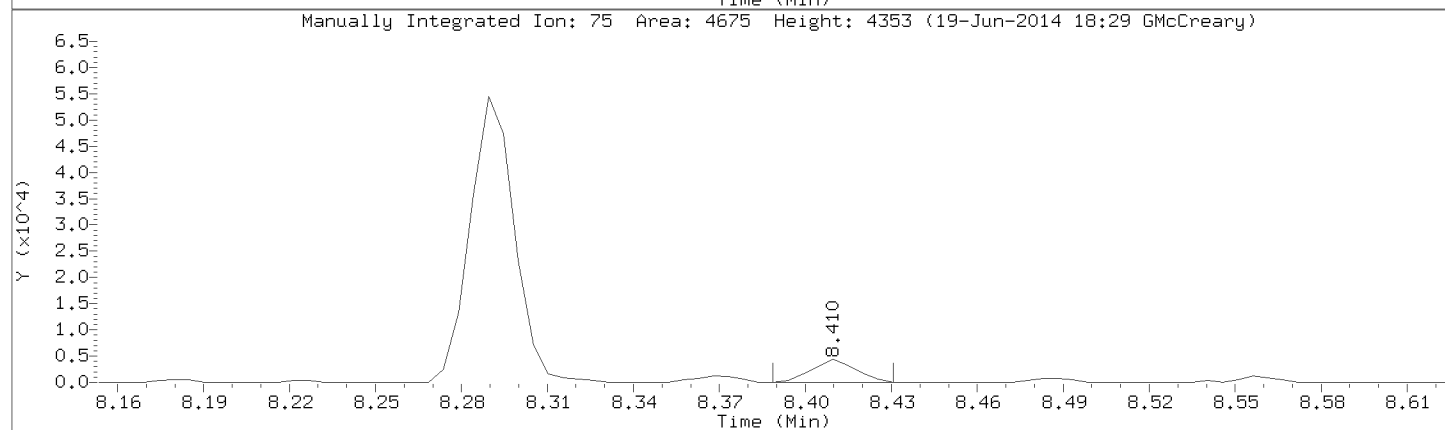
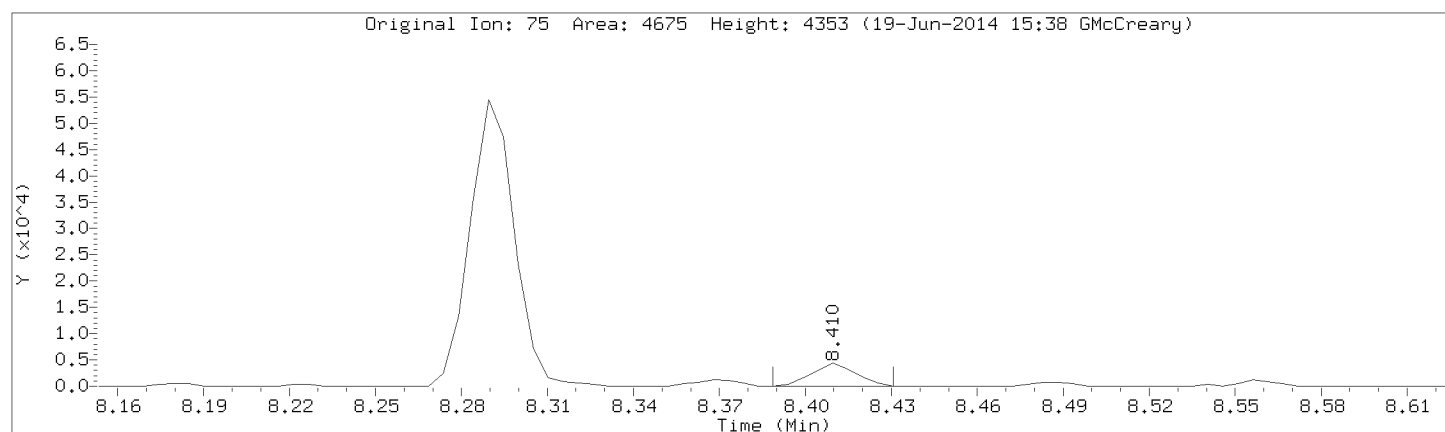


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Injection Date: 19-JUN-2014 14:56
Instrument: 50mv1a.i
Lab Sample ID: 8260-CAL3,71099:0

Compound: trans-1,4-Dichloro-2-butene
CAS Number:



Data File: \\192.168.50.6\chem\50mv1a.i\a061914cal.b/a03cal.d
Injection Date: 19-JUN-2014 14:56
Instrument: 50mv1a.i
Lab Sample ID: 8260-CAL3,71099:0



Pace Analytical Services, Inc.

Data file : \\192.168.50.6\chem\50mv1a.i\a061914cal.b\a04cal.d
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 Inj Date : 19-JUN-2014 15:30
 Operator : grm Inst ID: 50mv1a.i
 Smp Info : 8260-cal4,71100:0
 Misc Info : 65941
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 Meth Date : 20-Jun-2014 09:11 hbanter Quant Type: ISTD
 Cal Date : 02-JUN-2014 17:40 Cal File: a09cal.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	MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS		REVIEW C
								CAL-AMT (ppb)	ON-COL (ppb)	
1 Dichlorodifluoromethane	85			1.016	1.014	(0.230)	22511	10.0000	9.88	
2 Chloromethane	50			1.116	1.113	(0.253)	16533	10.0000	9.14	
3 Vinyl Chloride	62			1.152	1.150	(0.261)	16768	10.0000	9.43	
4 Bromomethane	94			1.304	1.302	(0.295)	6522	10.0000	8.06	
5 Chloroethane	64			1.356	1.354	(0.307)	10233	10.0000	9.45	
6 Trichlorofluoromethane	101			1.471	1.474	(0.333)	29122	10.0000	9.80	
7 Diethyl ether	74			1.602	1.605	(0.363)	5972	10.0000	10.8	
8 1,2-dichlorotrifluoroethane	67			1.623	1.621	(0.368)	25180	10.0000	11.9	
9 Acrolein	56			1.680	1.683	(0.381)	13545	200.000	188	
10 1,1,2trichlorotrifluoroethane	101			1.732	1.736	(0.393)	19831	10.0000	11.8	
11 1,1-Dichloroethene	96			1.738	1.741	(0.394)	16097	10.0000	11.3	
12 Acetone	43			1.753	1.751	(0.397)	9470	50.0000	61.3	
13 Iodomethane	142			1.837	1.840	(0.416)	9707	20.0000	20.8	
14 Carbon Disulfide	76			1.884	1.887	(0.427)	107785	20.0000	23.5	
15 Methyl Acetate	43			1.931	1.929	(0.438)	4179	10.0000	11.4	
16 Acetonitrile	39			1.947	1.945	(0.441)	36287	200.000	236	
17 allyl chloride	41			1.947	1.945	(0.441)	42727	20.0000	23.3	
18 Methylene Chloride	84			2.030	2.028	(0.460)	34707	10.0000	9.52	
19 tert-Butyl Alcohol	59			2.062	2.075	(0.467)	972	20.0000	26.1	
20 Acrylonitrile	53			2.177	2.175	(0.493)	40445	200.000	229	
21 Methyl-tert-butyl ether	73			2.198	2.196	(0.498)	56523	20.0000	22.8	
22 1,2-Dichloroethene (trans)	96			2.208	2.211	(0.500)	16873	10.0000	11.4	
23 n-Hexane	57			2.396	2.400	(0.543)	26317	10.0000	11.0	

Compounds	QUANT SIG		AMOUNTS					REVIEW C
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ppb)	ON-COL (ppb)	
24 Vinyl Acetate	43	2.522	2.525	(0.571)	43624	40.0000	36.7	
25 1,1-Dichloroethane	63	2.532	2.535	(0.574)	31371	10.0000	11.6	
26 Chloroprene	53	2.590	2.588	(0.587)	26475	10.0000	11.0	
28 2-Butanone	43	3.029	3.027	(0.686)	14022	50.0000	59.1	
29 1,2-Dichloroethene (cis)	96	3.034	3.037	(0.687)	16720	10.0000	10.8	
30 2,2-Dichloropropane	77	3.039	3.043	(0.689)	19018	10.0000	9.90	
31 Propionitrile	54	3.097	3.100	(0.702)	461	10.0000	12.0 (TQM)	WP
32 Methacrylonitrile	41	3.243	3.246	(0.735)	3623	50.0000	54.5	
33 Bromochloromethane	49	3.280	3.283	(0.743)	8250	10.0000	11.1	
34 Tetrahydrofuran	42	3.306	3.304	(0.749)	1278	10.0000	11.1 (Q)	
35 Chloroform	83	3.400	3.398	(0.770)	32831	10.0000	11.4	
37 1,1,1-Trichloroethane	97	3.583	3.581	(0.812)	26270	10.0000	10.6	
\$ 38 Dibromofluoromethane (S)	113	3.588	3.586	(0.813)	62204	50.0000	50.1	
39 Cyclohexane	56	3.667	3.665	(0.831)	24244	10.0000	11.2	
40 Carbon Tetrachloride	117	3.771	3.774	(0.854)	20556	10.0000	10.5	
41 1,1-Dichloropropene	75	3.782	3.780	(0.857)	26953	10.0000	11.4	
42 Benzene	78	4.028	4.031	(0.912)	64892	10.0000	11.2	
43 1,2-Dichloroethane	62	4.116	4.120	(0.933)	19100	10.0000	11.0	
44 Isobutyl alcohol	43	4.190	4.182	(0.949)	10332	10.0000	10.6	
45 2,2,4-Trimethylpentane	57	4.190	4.188	(0.949)	60138	10.0000	11.2	
* 46 Fluorobenzene (IS)	96	4.414	4.412	(1.000)	257773	50.0000		
47 Trichloroethene	95	4.843	4.846	(1.097)	18813	10.0000	11.0	
48 Methylcyclohexane	55	5.099	5.097	(1.155)	23572	10.0000	11.6	
49 1,2-Dichloropropane	63	5.146	5.149	(1.166)	13791	10.0000	11.1	
50 Dibromomethane	93	5.246	5.244	(1.188)	6806	10.0000	11.2	
51 Methyl methacrylate	69	5.256	5.254	(1.191)	4597	10.0000	9.85	
53 Bromodichloromethane	83	5.460	5.458	(1.237)	18495	10.0000	10.1	
54 2-Chloroethyl vinyl ether	63	5.800	5.798	(0.775)	1757	20.0000	21.9 (Q)	
55 cis-1,3-Dichloropropene	75	5.941	5.944	(0.793)	16940	10.0000	9.57	
56 4-Methyl-2-Pentanone	43	6.119	6.117	(0.817)	27633	50.0000	55.7	
\$ 57 Toluene-d8	98	6.213	6.211	(0.830)	259596	50.0000	51.1	
58 Toluene	91	6.286	6.284	(0.839)	72633	10.0000	11.3	
59 trans-1,3-Dichloropropene	75	6.553	6.556	(0.875)	10856	10.0000	10.2	
60 Ethyl Methacrylate	69	6.631	6.629	(0.885)	10330	10.0000	9.80	
61 1,1,2-Trichloroethane	83	6.730	6.734	(0.899)	8408	10.0000	11.3	
62 Tetrachloroethene	166	6.777	6.775	(0.905)	23395	10.0000	11.9	
63 1,3-Dichloropropane	76	6.866	6.869	(0.917)	18881	10.0000	11.3	
64 2-Hexanone	43	6.929	6.927	(0.925)	19691	50.0000	56.4	
65 Dibromochloromethane	129	7.049	7.047	(0.941)	9018	10.0000	9.58	
66 1,2-Dibromoethane	107	7.128	7.131	(0.952)	8393	10.0000	10.4	
* 67 Chlorobenzene-D5 (IS)	117	7.488	7.486	(1.000)	192561	50.0000		
68 Chlorobenzene	112	7.509	7.507	(1.003)	43986	10.0000	11.0	
69 1,1,1,2-Tetrachloroethane	131	7.583	7.580	(1.013)	12682	10.0000	10.3	
70 Ethylbenzene	106	7.583	7.586	(1.013)	26438	10.0000	11.7	
71 m&p-Xylene	106	7.682	7.680	(1.026)	66607	20.0000	24.0	
72 o-Xylene	106	7.938	7.941	(1.060)	30474	10.0000	11.8	
73 Styrene	104	7.954	7.957	(1.062)	50249	10.0000	11.6	
74 Bromoform	173	8.074	8.077	(0.901)	5124	10.0000	12.6	
75 Isopropylbenzene	105	8.179	8.176	(1.092)	91663	10.0000	11.8	
\$ 76 4-Bromofluorobenzene	95	8.294	8.291	(1.107)	103309	50.0000	50.2	
77 Bromobenzene	77	8.372	8.370	(1.118)	34269	10.0000	11.5	
78 1,1,2,2-Tetrachloroethane	83	8.382	8.380	(0.935)	11162	10.0000	11.1	
80 trans-1,4-Dichloro-2-butene	53	8.403	8.401	(1.122)	1686	10.0000	11.1 (Q)	
81 1,2,3-Trichloropropane	110	8.414	8.412	(0.939)	3504	10.0000	11.2 (Q)	

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS		REVIEW C
						CAL-AMT (ppb)	ON-COL (ppb)	
82 n-Propylbenzene	91	8.435	8.438 (0.941)		114159	10.0000	12.0	
83 2-Chlorotoluene	91	8.487	8.485 (0.947)		68458	10.0000	12.0	
84 1,3,5-Trimethylbenzene	105	8.545	8.542 (0.953)		80084	10.0000	11.9	
85 4-Chlorotoluene	126	8.560	8.563 (0.955)		20459	10.0000	12.0	
86 tert-Butylbenzene	119	8.728	8.725 (0.974)		71288	10.0000	11.9	
87 1,2,4-Trimethylbenzene	105	8.759	8.757 (0.977)		78533	10.0000	12.1	
88 sec-Butylbenzene	105	8.848	8.851 (0.987)		103552	10.0000	11.8	
89 1,3-Dichlorobenzene	146	8.921	8.919 (0.995)		41642	10.0000	11.8	
90 p-Isopropyltoluene	119	8.937	8.935 (0.997)		87859	10.0000	11.8	
* 91 1,4-Dichlorobenzene-d4 (IS)	152	8.963	8.966 (1.000)		108749	50.0000		
92 1,4-Dichlorobenzene	146	8.978	8.982 (1.002)		39216	10.0000	11.6	
93 n-Butylbenzene	91	9.151	9.154 (1.021)		91032	10.0000	12.0	
94 1,2-Dichlorobenzene	146	9.172	9.170 (1.023)		35573	10.0000	11.9	
95 1,2-Dibromo-3-chloropropane	155	9.585	9.578 (1.069)		1310	10.0000	13.8(Q)	
96 1,2,4-Trichlorobenzene	180	9.998	9.996 (1.115)		29157	10.0000	11.3	
97 Hexachlorobutadiene	225	10.061	10.059 (1.122)		26834	10.0000	12.0	
98 Naphthalene	128	10.144	10.142 (1.132)		35971	10.0000	11.4	
99 1,2,3-Trichlorobenzene	180	10.265	10.262 (1.145)		24746	10.0000	11.9	
100 2,methyl-naphthalene	142	10.803	10.796 (1.205)		21358	10.0000	10.3	
101 1-methylnaphthalene	142	10.923	10.916 (1.219)		18072	10.0000	10.7	

QC Flag Legend

- T - Target compound detected outside RT window.
- Q - Qualifier signal failed the ratio test.
- M - Compound response manually integrated.

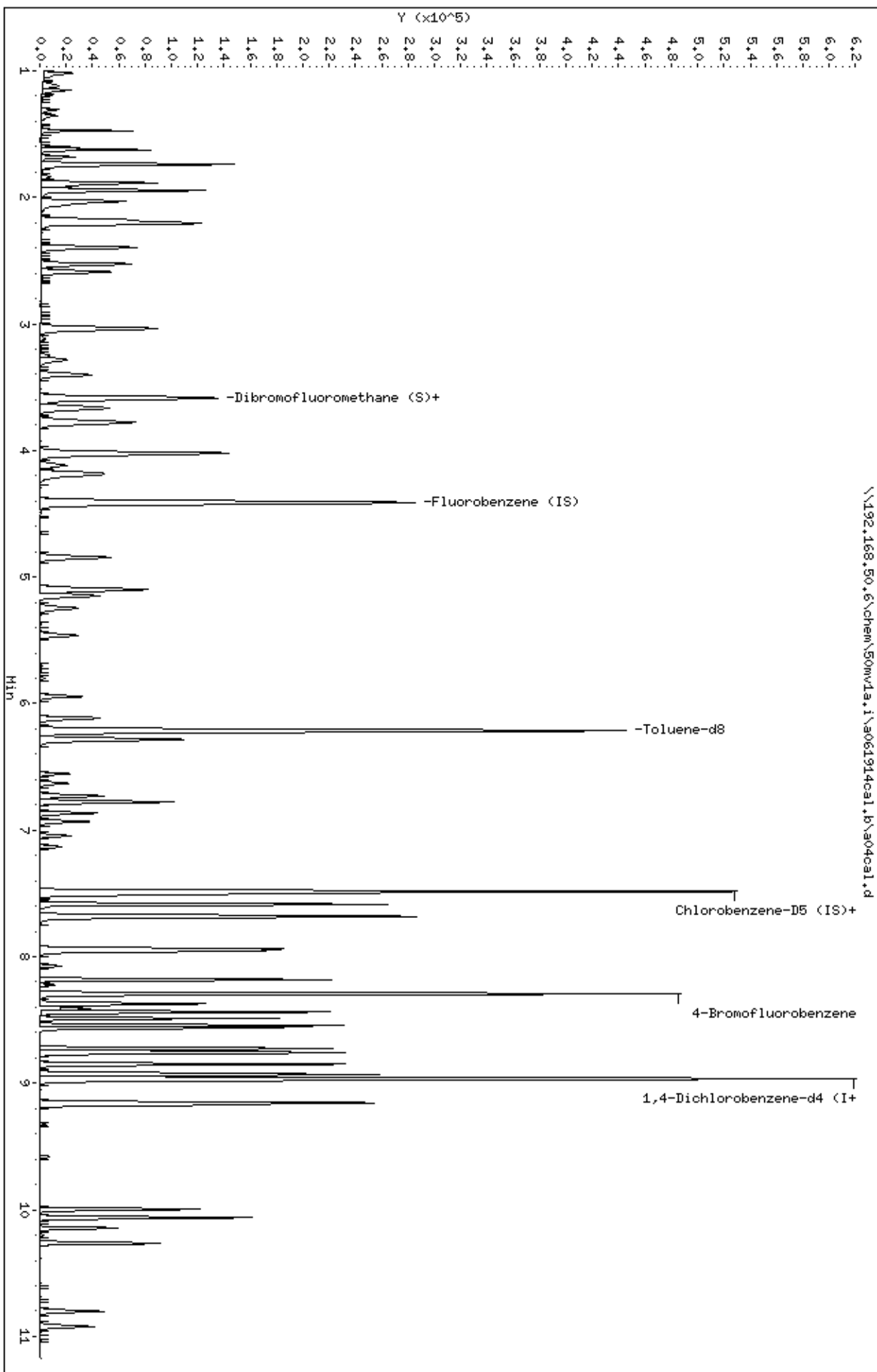
Review Codes Legend

- :
 WP: Indicates that the wrong peak was chosen by the data system.

Data File: \\192.168.50.6\chem\Sow1a.1\3061914cal.b\304cal.d
Date: 19-JUN-2014 15:30
Client ID: 8260-CAL4,7110010
Sample Info: 8260-CAL4,7110010
Purge Volume: 5.0
Column phase: DB-624

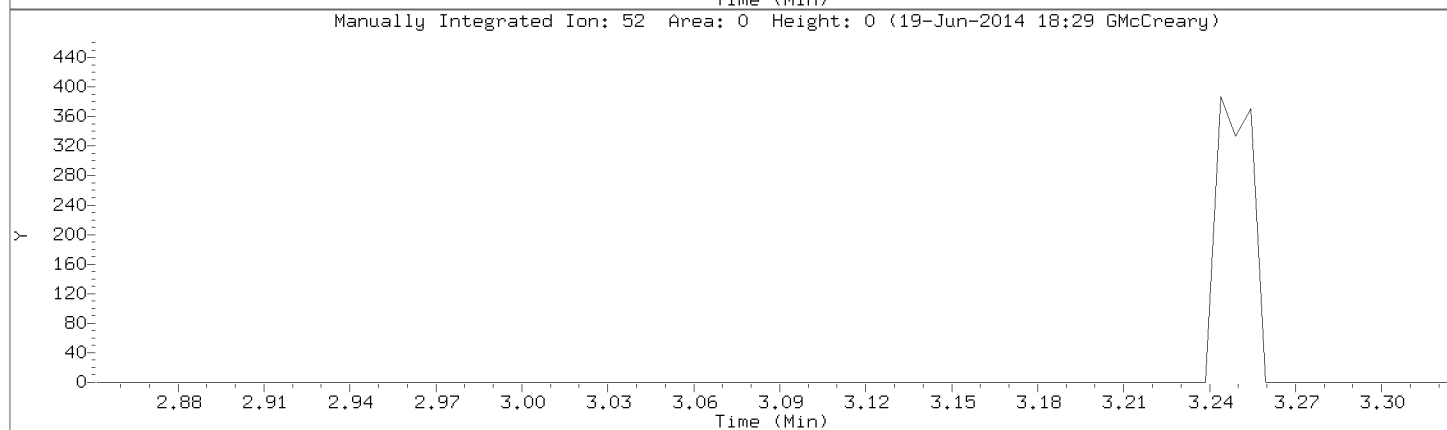
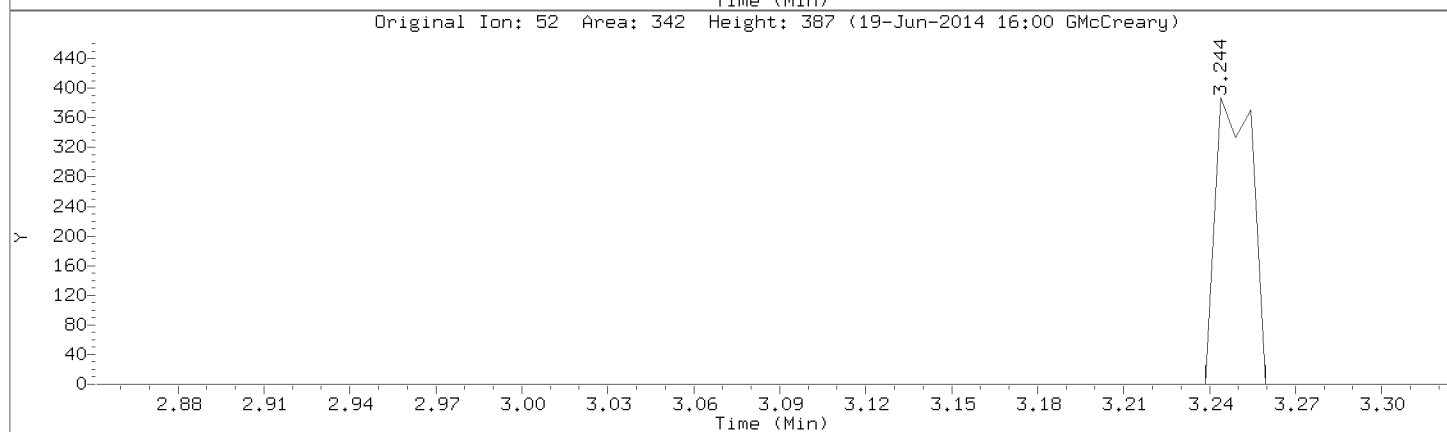
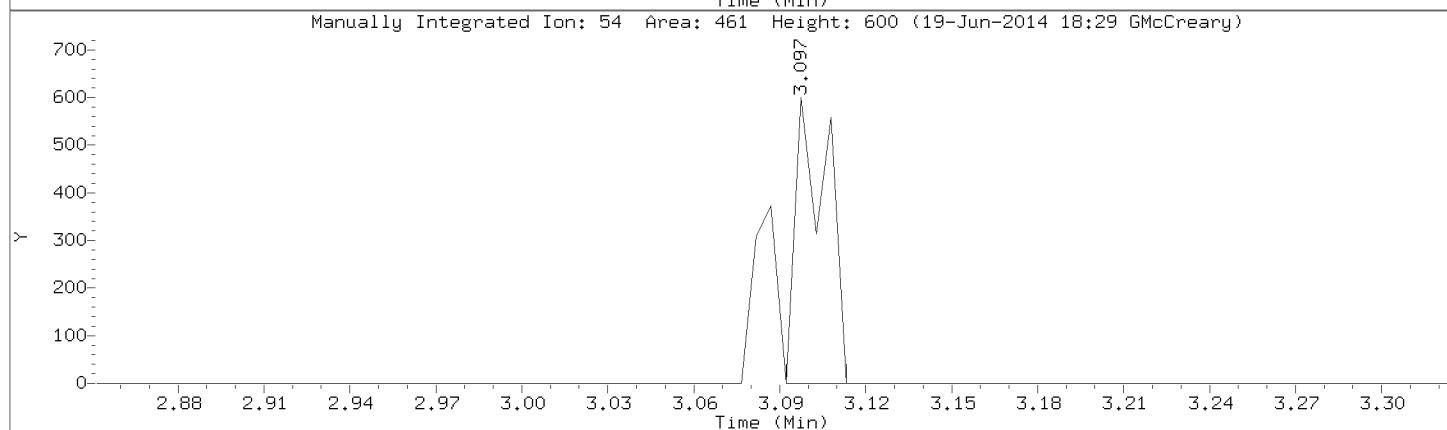
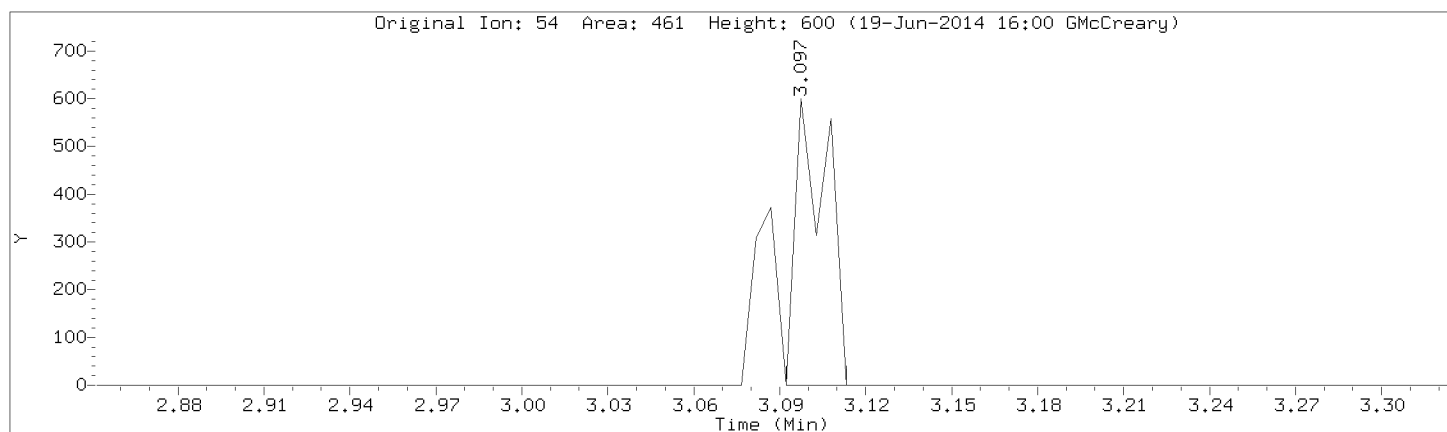
Instrument: Sow1a.1
Operator: grm
Column diameter: 0.18

\\192.168.50.6\chem\Sow1a.1\3061914cal.b\304cal.d

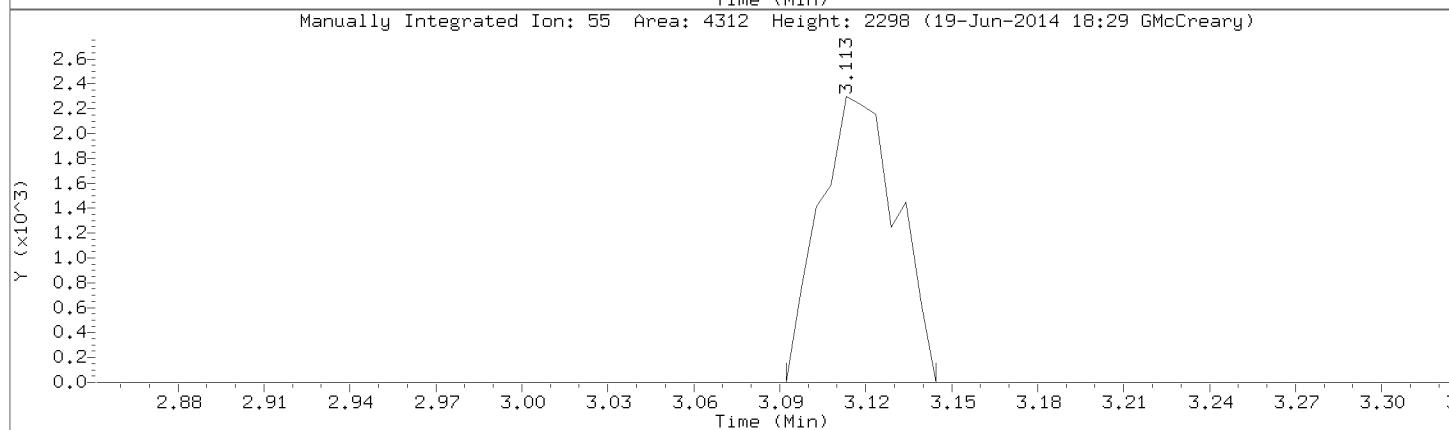
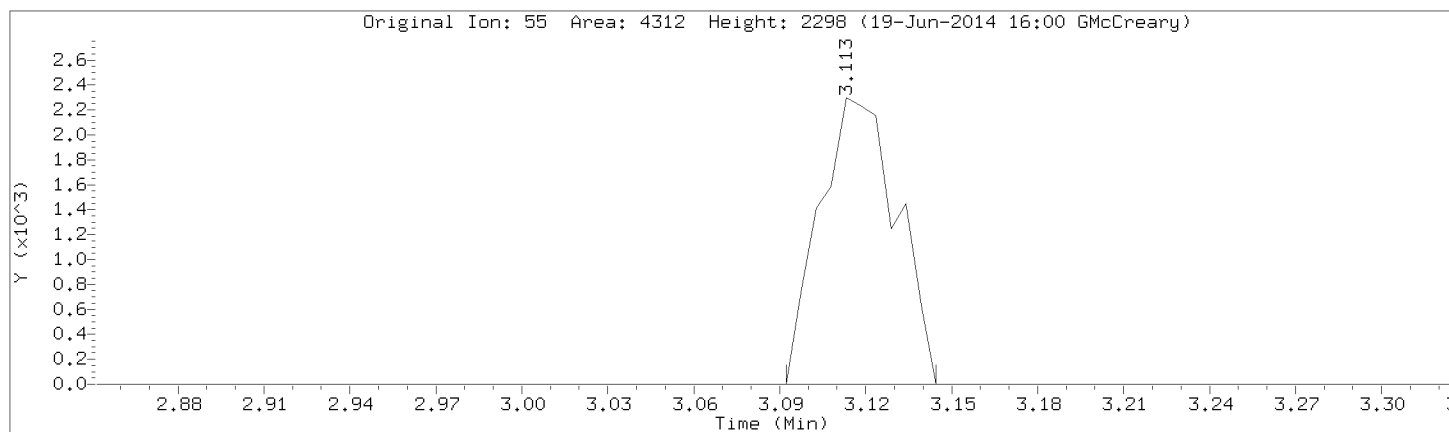


Data File: \\192.168.50.6\chem\50mv1a.i\A061914cal.b/a04cal.d
Injection Date: 19-JUN-2014 15:30
Instrument: 50mv1a.i
Lab Sample ID: 8260-CAL4,71100:0

Compound: Propionitrile
CAS Number: 107-12-0



Data File: \\192.168.50.6\chem\50mv1a.i\a061914cal.b/a04cal.d
Injection Date: 19-JUN-2014 15:30
Instrument: 50mv1a.i
Lab Sample ID: 8260-CAL4,71100:0



Pace Analytical Services, Inc.

Data file : \\192.168.50.6\chem\50mv1a.i\a061914cal.b\a05cal.d
 Lab Smp Id: 8260-CAL5,71101:0 Client Smp ID: 8260-CAL5,71101:0
 Inj Date : 19-JUN-2014 16:03
 Operator : grm Inst ID: 50mv1a.i
 Smp Info : 8260-cal5,71101:0
 Misc Info : 65941
 Comment :
 Method : \\192.168.50.6\chem\50mv1a.i\a061914cal.b\a8260_a_c.m
 Meth Date : 20-Jun-2014 09:11 hbanter Quant Type: ISTD
 Cal Date : 02-JUN-2014 17:40 Cal File: a09cal.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
			CAL-AMT	ON-COL	MASS	RT	EXP RT	
1 Dichlorodifluoromethane	85		20.0000	21.8	1.015	1.014	(0.230)	49961
2 Chloromethane	50		20.0000	19.4	1.114	1.113	(0.253)	35352
3 Vinyl Chloride	62		20.0000	22.1	1.151	1.150	(0.261)	39654
4 Bromomethane	94		20.0000	16.8	1.308	1.302	(0.297)	16509
5 Chloroethane	64		20.0000	21.5	1.355	1.354	(0.307)	23490
6 Trichlorofluoromethane	101		20.0000	21.0	1.475	1.474	(0.335)	62814
7 Diethyl ether	74		20.0000	20.8	1.606	1.605	(0.364)	11589
8 1,2-dichlorotrifluoroethane	67		20.0000	21.4	1.621	1.621	(0.368)	45700
9 Acrolein	56		400.000	408	1.684	1.683	(0.382)	29480
10 1,1,2trichlorotrifluoroethane	101		20.0000	21.0	1.736	1.736	(0.394)	35599
11 1,1-Dichloroethene	96		20.0000	20.7	1.741	1.741	(0.395)	29601
12 Acetone	43		100.000	99.4	1.752	1.751	(0.398)	15451
13 Iodomethane	142		40.0000	39.2	1.836	1.840	(0.416)	29371
14 Carbon Disulfide	76		40.0000	42.6	1.883	1.887	(0.427)	197095
15 Methyl Acetate	43		20.0000	19.7	1.930	1.929	(0.438)	7263
16 Acetonitrile	39		400.000	443	1.945	1.945	(0.441)	68515
17 allyl chloride	41		40.0000	43.6	1.945	1.945	(0.441)	80314
18 Methylene Chloride	84		20.0000	19.9	2.029	2.028	(0.460)	48154
19 tert-Butyl Alcohol	59		40.0000	38.2(Q)	2.071	2.075	(0.470)	1534
20 Acrylonitrile	53		400.000	406	2.175	2.175	(0.494)	72081
21 Methyl-tert-butyl ether	73		40.0000	41.6	2.196	2.196	(0.498)	104201
22 1,2-Dichloroethene (trans)	96		20.0000	21.0	2.207	2.211	(0.501)	31212
23 n-Hexane	57		20.0000	20.3	2.395	2.400	(0.543)	49139

Compounds	QUANT MASS	SIG						AMOUNTS		REVIEW C
			RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ppb)	ON-COL (ppb)		
24 Vinyl Acetate	43		2.520	2.525	(0.572)	100121	80.0000	83.7		
25 1,1-Dichloroethane	63		2.531	2.535	(0.574)	57068	20.0000	21.0		
26 Chloroprene	53		2.588	2.588	(0.587)	49891	20.0000	20.7		
28 2-Butanone	43		3.028	3.027	(0.687)	25018	100.000	105		
29 1,2-Dichloroethene (cis)	96		3.033	3.037	(0.688)	32085	20.0000	20.7		
30 2,2-Dichloropropane	77		3.043	3.043	(0.690)	38497	20.0000	19.9		
31 Propionitrile	54		3.101	3.100	(0.704)	935	20.0000	18.5 (M)	WP	
32 Methacrylonitrile	41		3.247	3.246	(0.737)	6206	100.000	92.8		
33 Bromochloromethane	49		3.284	3.283	(0.745)	16242	20.0000	21.8		
34 Tetrahydrofuran	42		3.305	3.304	(0.750)	2176	20.0000	18.8		
35 Chloroform	83		3.399	3.398	(0.771)	59479	20.0000	20.4		
37 1,1,1-Trichloroethane	97		3.587	3.581	(0.814)	50388	20.0000	20.3		
\$ 38 Dibromofluoromethane (S)	113		3.587	3.586	(0.814)	63683	50.0000	51.0		
39 Cyclohexane	56		3.665	3.665	(0.832)	45320	20.0000	20.7		
40 Carbon Tetrachloride	117		3.775	3.774	(0.856)	39797	20.0000	20.2		
41 1,1-Dichloropropene	75		3.780	3.780	(0.858)	50815	20.0000	21.4		
42 Benzene	78		4.026	4.031	(0.913)	122322	20.0000	21.0		
43 1,2-Dichloroethane	62		4.115	4.120	(0.934)	35767	20.0000	20.4		
44 Isobutyl alcohol	43		4.188	4.182	(0.950)	20466	20.0000	20.8		
45 2,2,4-Trimethylpentane	57		4.188	4.188	(0.950)	114429	20.0000	21.1		
* 46 Fluorobenzene (IS)	96		4.408	4.412	(1.000)	259585	50.0000			
47 Trichloroethene	95		4.842	4.846	(1.098)	35471	20.0000	20.6		
48 Methylcyclohexane	55		5.098	5.097	(1.157)	43654	20.0000	21.3		
49 1,2-Dichloropropane	63		5.145	5.149	(1.167)	26464	20.0000	21.1		
50 Dibromomethane	93		5.239	5.244	(1.189)	12468	20.0000	20.4		
51 Methyl methacrylate	69		5.255	5.254	(1.192)	9684	20.0000	20.6		
52 1,4-Dioxane	88		5.260	5.249	(1.193)	2247	400.000			
53 Bromodichloromethane	83		5.459	5.458	(1.238)	36223	20.0000	19.6		
54 2-Chloroethyl vinyl ether	63		5.798	5.798	(0.774)	3555	40.0000	43.3		
55 cis-1,3-Dichloropropene	75		5.945	5.944	(0.794)	35730	20.0000	19.7		
56 4-Methyl-2-Pentanone	43		6.117	6.117	(0.817)	52318	100.000	103		
\$ 57 Toluene-d8	98		6.211	6.211	(0.830)	264342	50.0000	50.9		
58 Toluene	91		6.285	6.284	(0.839)	137088	20.0000	20.9		
59 trans-1,3-Dichloropropene	75		6.556	6.556	(0.876)	23566	20.0000	17.9		
60 Ethyl Methacrylate	69		6.630	6.629	(0.885)	21420	20.0000	19.9		
61 1,1,2-Trichloroethane	83		6.734	6.734	(0.899)	16112	20.0000	21.2		
62 Tetrachloroethene	166		6.776	6.775	(0.905)	44168	20.0000	22.0		
63 1,3-Dichloropropane	76		6.870	6.869	(0.918)	35320	20.0000	20.7		
64 2-Hexanone	43		6.928	6.927	(0.925)	36142	100.000	101		
65 Dibromochloromethane	129		7.048	7.047	(0.941)	18848	20.0000	19.6		
66 1,2-Dibromoethane	107		7.131	7.131	(0.953)	17247	20.0000	20.9		
* 67 Chlorobenzene-D5 (IS)	117		7.487	7.486	(1.000)	196989	50.0000			
68 Chlorobenzene	112		7.508	7.507	(1.003)	83179	20.0000	20.4		
69 1,1,1,2-Tetrachloroethane	131		7.581	7.580	(1.013)	25629	20.0000	20.4		
70 Ethylbenzene	106		7.586	7.586	(1.013)	49305	20.0000	21.3		
71 m&p-Xylene	106		7.680	7.680	(1.026)	124195	40.0000	43.7		
72 o-Xylene	106		7.937	7.941	(1.060)	59559	20.0000	22.6		
73 Styrene	104		7.952	7.957	(1.062)	97013	20.0000	21.8		
74 Bromoform	173		8.078	8.077	(0.901)	10305	20.0000	19.2		
75 Isopropylbenzene	105		8.177	8.176	(1.092)	173600	20.0000	21.9		
\$ 76 4-Bromofluorobenzene	95		8.292	8.291	(1.108)	106405	50.0000	50.5		
77 Bromobenzene	77		8.371	8.370	(1.118)	63851	20.0000	20.9		
78 1,1,2,2-Tetrachloroethane	83		8.381	8.380	(0.935)	21216	20.0000	20.4		
80 trans-1,4-Dichloro-2-butene	53		8.397	8.401	(1.121)	3483	20.0000	18.6 (Q)		

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS		REVIEW C
						CAL-AMT (ppb)	ON-COL (ppb)	
81 1,2,3-Trichloropropane	110	8.412	8.412 (0.938)		6474	20.0000	20.0	
82 n-Propylbenzene	91	8.433	8.438 (0.941)		219302	20.0000	22.4	
83 2-Chlorotoluene	91	8.486	8.485 (0.946)		128733	20.0000	21.9	
84 1,3,5-Trimethylbenzene	105	8.543	8.542 (0.953)		151075	20.0000	21.8	
85 4-Chlorotoluene	126	8.564	8.563 (0.955)		36572	20.0000	20.7	
86 tert-Butylbenzene	119	8.726	8.725 (0.973)		135406	20.0000	21.8	
87 1,2,4-Trimethylbenzene	105	8.757	8.757 (0.977)		146697	20.0000	21.8	
88 sec-Butylbenzene	105	8.846	8.851 (0.987)		197329	20.0000	21.8	
89 1,3-Dichlorobenzene	146	8.919	8.919 (0.995)		76340	20.0000	21.0	
90 p-Isopropyltoluene	119	8.935	8.935 (0.997)		168419	20.0000	21.9	
* 91 1,4-Dichlorobenzene-d4 (IS)	152	8.967	8.966 (1.000)		112332	50.0000		
92 1,4-Dichlorobenzene	146	8.977	8.982 (1.001)		72511	20.0000	20.7	
93 n-Butylbenzene	91	9.155	9.154 (1.021)		174296	20.0000	22.3	
94 1,2-Dichlorobenzene	146	9.170	9.170 (1.023)		65169	20.0000	21.1	
95 1,2-Dibromo-3-chloropropane	155	9.583	9.578 (1.069)		2174	20.0000	18.4	
96 1,2,4-Trichlorobenzene	180	9.996	9.996 (1.115)		56852	20.0000	21.2	
97 Hexachlorobutadiene	225	10.059	10.059 (1.122)		47499	20.0000	20.6	
98 Naphthalene	128	10.143	10.142 (1.131)		67005	20.0000	20.6	
99 1,2,3-Trichlorobenzene	180	10.263	10.262 (1.145)		46464	20.0000	21.6	
100 2-methyl-naphthalene	142	10.802	10.796 (1.205)		40368	20.0000	18.9	
101 1-methylnaphthalene	142	10.922	10.916 (1.218)		34138	20.0000	19.5	

QC Flag Legend

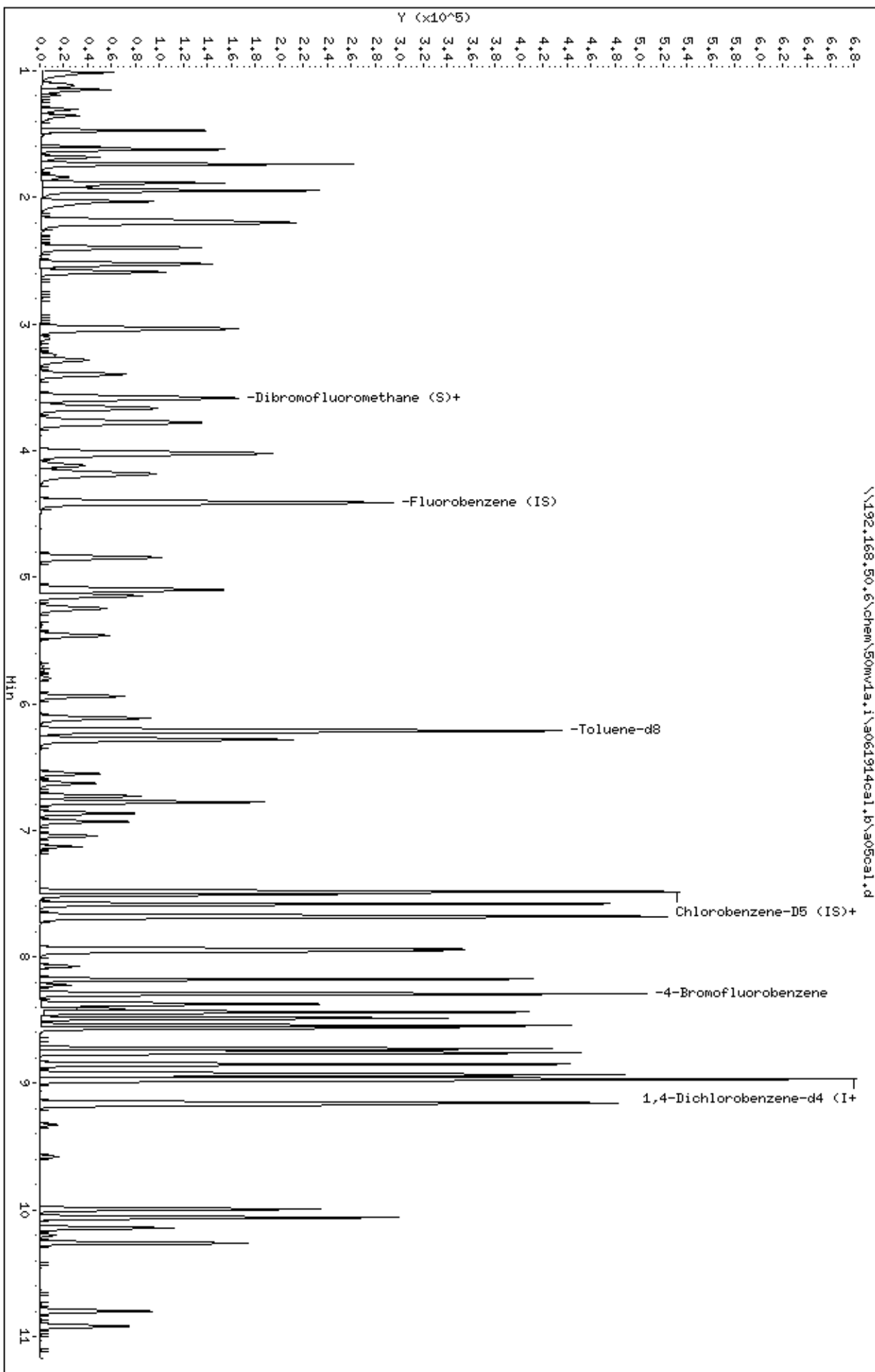
Q - Qualifier signal failed the ratio test.
 M - Compound response manually integrated.

Review Codes Legend

:
 WP: Indicates that the wrong peak was chosen by the data system.

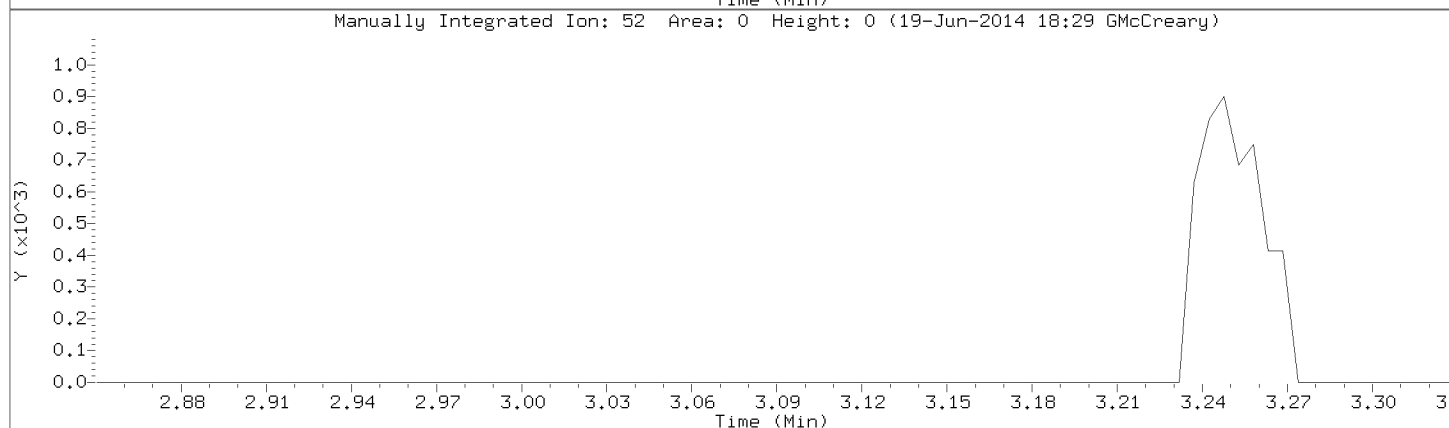
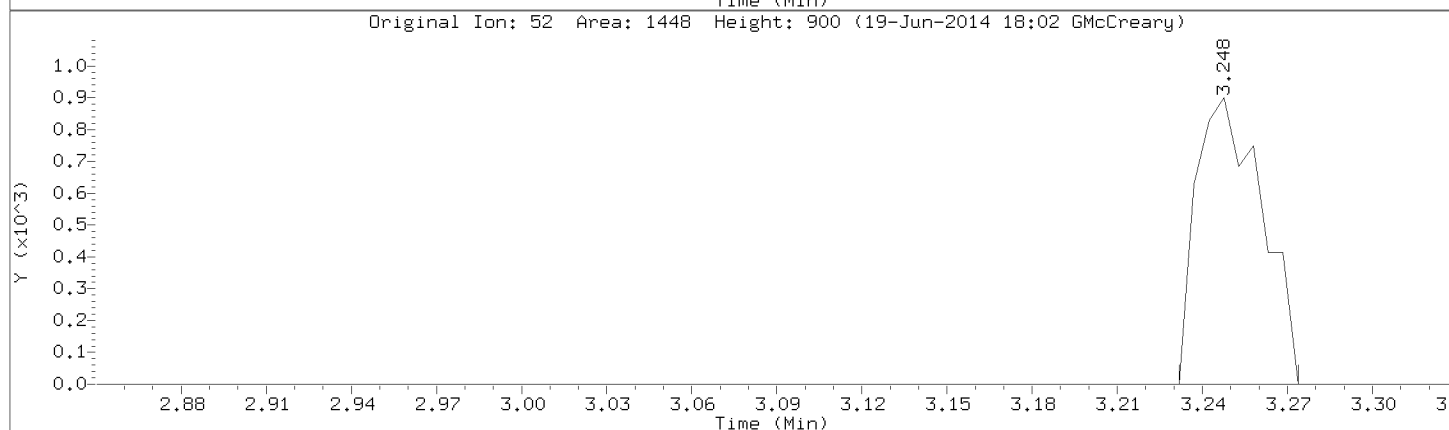
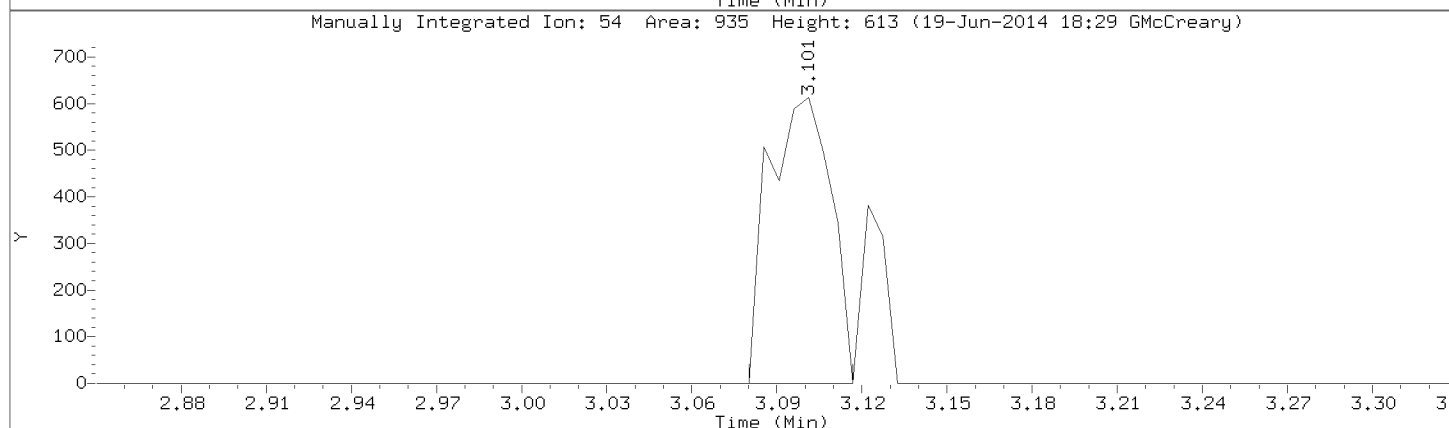
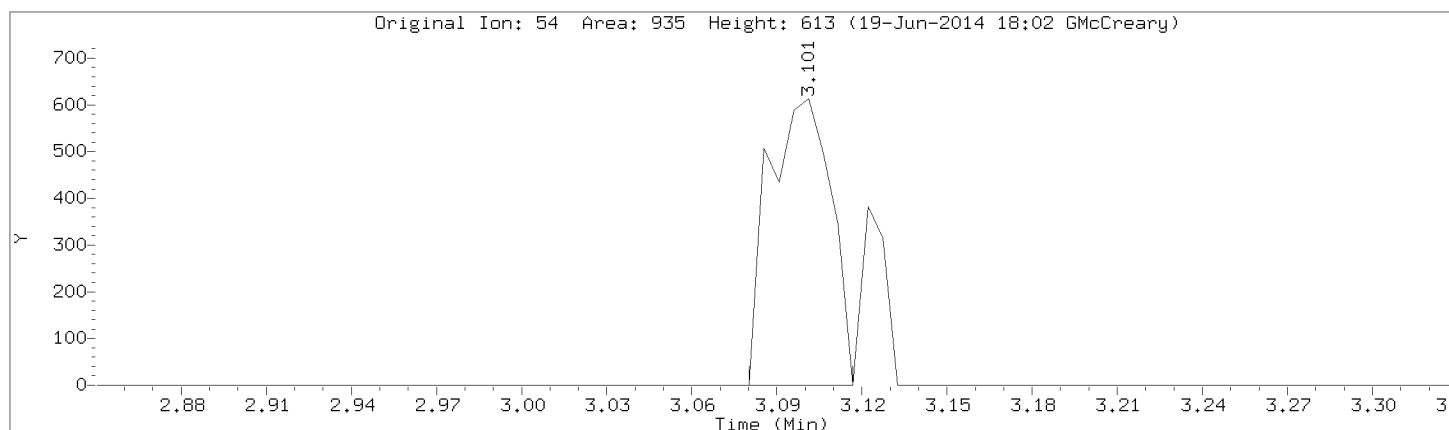
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Date: 19-JUN-2014 16:03
Client ID: 8260-CAL5,71101:0
Sample Info: 8260-CAL5,71101:0
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50mw1a.1
Operator: grm
Column diameter: 0.18

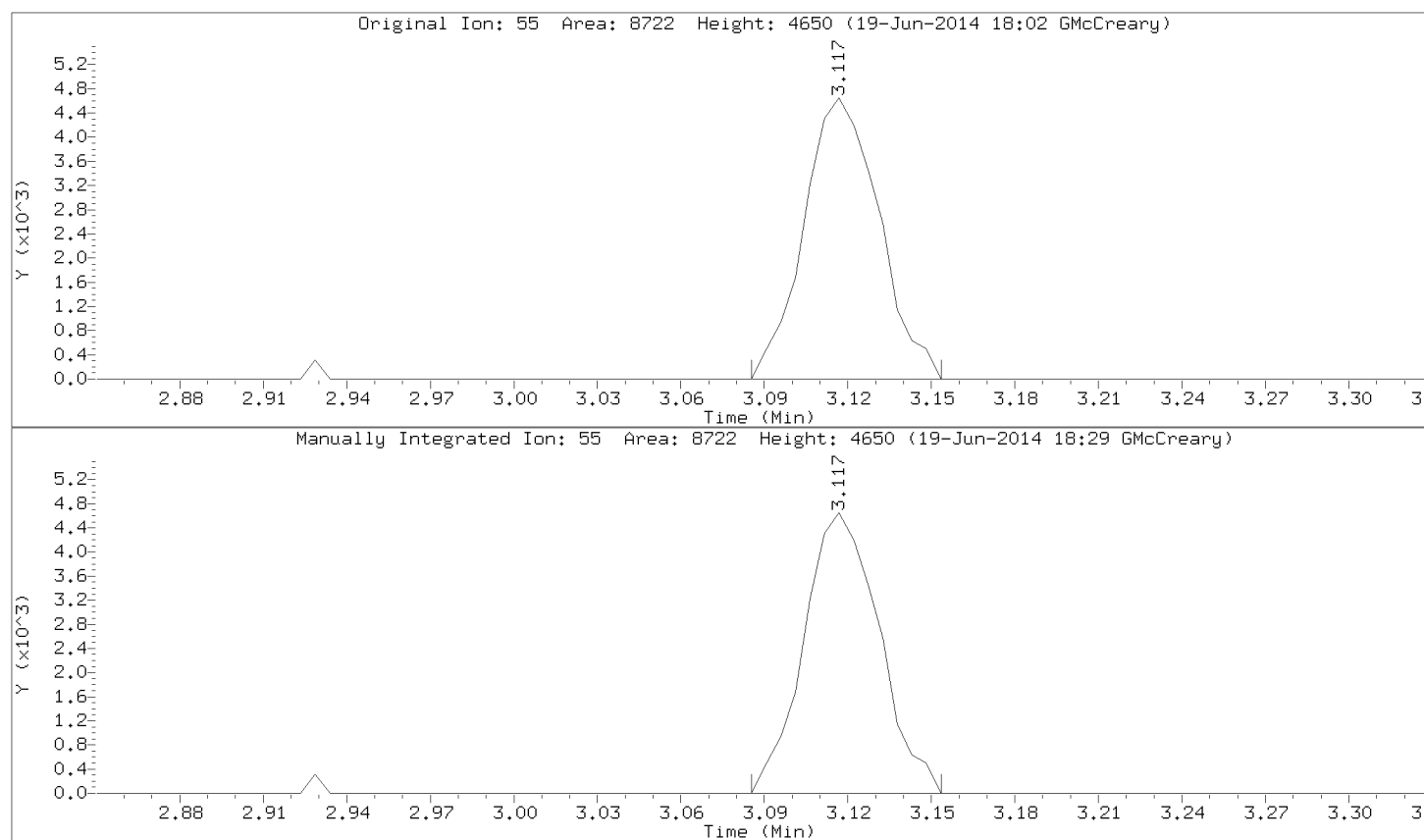


Data File: \\192.168.50.6\chem\50mv1a.i\A061914cal.b/a05cal.d
Injection Date: 19-JUN-2014 16:03
Instrument: 50mv1a.i
Lab Sample ID: 8260-CAL5,71101:0

Compound: Propionitrile
CAS Number: 107-12-0



Data File: \\192.168.50.6\chem\50mv1a.i\a061914cal.b/a05cal.d
Injection Date: 19-JUN-2014 16:03
Instrument: 50mv1a.i
Lab Sample ID: 8260-CAL5,71101:0



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Data file : \\192.168.50.6\chem\50mv1a.i\a061914cal.b\a06cal.d
 Lab Smp Id: 8260-CAL6,71102:0 Client Smp ID: 8260-CAL6,71102:0
 Inj Date : 19-JUN-2014 16:37
 Operator : grm Inst ID: 50mv1a.i
 Smp Info : 8260-cal6,71102:0
 Misc Info : 65941
 Comment :
 Method : \\192.168.50.6\chem\50mv1a.i\a061914cal.b\a8260_a_c.m
 Meth Date : 20-Jun-2014 09:11 hbanter Quant Type: ISTD
 Cal Date : 02-JUN-2014 17:40 Cal File: a09cal.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	MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS		REVIEW C
								CAL-AMT (ppb)	ON-COL (ppb)	
1 Dichlorodifluoromethane	85			1.012	1.014	(0.230)	125370	50.0000	53.7	
2 Chloromethane	50			1.111	1.113	(0.252)	92005	50.0000	49.6	
3 Vinyl Chloride	62			1.148	1.150	(0.260)	96892	50.0000	53.2	
4 Bromomethane	94			1.305	1.302	(0.296)	50558	50.0000	45.9	
5 Chloroethane	64			1.352	1.354	(0.307)	57341	50.0000	51.7	
6 Trichlorofluoromethane	101			1.472	1.474	(0.334)	155275	50.0000	51.0	
7 Diethyl ether	74			1.603	1.605	(0.363)	29427	50.0000	51.9	
8 1,2-dichlorotrifluoroethane	67			1.624	1.621	(0.368)	108673	50.0000	50.0	
9 Acrolein	56			1.681	1.683	(0.381)	75785	1000.00	1030	
10 1,1,2trichlorotrifluoroethane	101			1.733	1.736	(0.393)	84823	50.0000	49.1	
11 1,1-Dichloroethene	96			1.739	1.741	(0.394)	71861	50.0000	49.4	
12 Acetone	43			1.754	1.751	(0.398)	36789	250.000	233	
13 Iodomethane	142			1.838	1.840	(0.417)	89634	100.000	94.2	
14 Carbon Disulfide	76			1.885	1.887	(0.427)	468602	100.000	99.6	
15 Methyl Acetate	43			1.932	1.929	(0.438)	17953	50.0000	47.8	
16 Acetonitrile	39			1.948	1.945	(0.442)	164749	1000.00	1050	
17 allyl chloride	41			1.948	1.945	(0.442)	198080	100.000	106	
18 Methylene Chloride	84			2.031	2.028	(0.461)	91470	50.0000	52.8	
19 tert-Butyl Alcohol	59			2.073	2.075	(0.470)	4446	100.000	99.7 (QM)	WP
20 Acrylonitrile	53			2.178	2.175	(0.494)	176523	1000.00	977	
21 Methyl-tert-butyl ether	73			2.199	2.196	(0.499)	250143	100.000	98.3	
22 1,2-Dichloroethene (trans)	96			2.209	2.211	(0.501)	74553	50.0000	49.4	
23 n-Hexane	57			2.397	2.400	(0.544)	118873	50.0000	48.3	

Compounds	QUANT	SIG						AMOUNTS		REVIEW C
			MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ppb)	ON-COL (ppb)	
24 Vinyl Acetate	43		2.523	2.525	(0.572)	258071	200.000	212		
25 1,1-Dichloroethane	63		2.533	2.535	(0.574)	137262	50.0000	49.6		
26 Chloroprene	53		2.585	2.588	(0.586)	124047	50.0000	50.6		
28 2-Butanone	43		3.025	3.027	(0.686)	59368	250.000	244		
29 1,2-Dichloroethene (cis)	96		3.035	3.037	(0.688)	79415	50.0000	50.3		
30 2,2-Dichloropropane	77		3.040	3.043	(0.689)	102442	50.0000	52.0		
31 Propionitrile	54		3.093	3.100	(0.701)	3283	50.0000	50.4 (TQ)		
32 Methacrylonitrile	41		3.249	3.246	(0.737)	17004	250.000	250		
33 Bromochloromethane	49		3.286	3.283	(0.745)	37384	50.0000	49.3		
34 Tetrahydrofuran	42		3.307	3.304	(0.750)	5409	50.0000	46.1		
35 Chloroform	83		3.401	3.398	(0.771)	144005	50.0000	48.7		
37 1,1,1-Trichloroethane	97		3.584	3.581	(0.813)	128282	50.0000	50.8		
\$ 38 Dibromofluoromethane (S)	113		3.589	3.586	(0.814)	64151	50.0000	50.5		
39 Cyclohexane	56		3.668	3.665	(0.832)	114267	50.0000	51.3		
40 Carbon Tetrachloride	117		3.772	3.774	(0.855)	102091	50.0000	51.0		
41 1,1-Dichloropropene	75		3.783	3.780	(0.858)	125328	50.0000	52.0		
42 Benzene	78		4.028	4.031	(0.913)	298732	50.0000	50.5		
43 1,2-Dichloroethane	62		4.117	4.120	(0.934)	87652	50.0000	49.1		
44 Isobutyl alcohol	43		4.185	4.182	(0.949)	49604	50.0000	49.6		
45 2,2,4-Trimethylpentane	57		4.185	4.188	(0.949)	284788	50.0000	51.7		
* 46 Fluorobenzene (IS)	96		4.410	4.412	(1.000)	264029	50.0000			
47 Trichloroethene	95		4.844	4.846	(1.098)	86902	50.0000	49.5		
48 Methylcyclohexane	55		5.100	5.097	(1.156)	106570	50.0000	51.2		
49 1,2-Dichloropropane	63		5.147	5.149	(1.167)	63610	50.0000	49.8		
50 Dibromomethane	93		5.241	5.244	(1.188)	31304	50.0000	50.3		
51 Methyl methacrylate	69		5.252	5.254	(1.191)	24584	50.0000	51.4		
52 1,4-Dioxane	88		5.252	5.249	(1.191)	6044	1000.00			
53 Bromodichloromethane	83		5.461	5.458	(1.238)	94544	50.0000	50.2		
54 2-Chloroethyl vinyl ether	63		5.801	5.798	(0.775)	8408	100.000	98.9		
55 cis-1,3-Dichloropropene	75		5.942	5.944	(0.794)	100374	50.0000	53.5		
56 4-Methyl-2-Pentanone	43		6.114	6.117	(0.817)	135348	250.000	257		
\$ 57 Toluene-d8	98		6.214	6.211	(0.830)	265961	50.0000	49.4		
58 Toluene	91		6.287	6.284	(0.840)	333485	50.0000	49.0		
59 trans-1,3-Dichloropropene	75		6.554	6.556	(0.876)	71705	50.0000	46.1		
60 Ethyl Methacrylate	69		6.627	6.629	(0.885)	58360	50.0000	52.3		
61 1,1,2-Trichloroethane	83		6.731	6.734	(0.899)	38273	50.0000	48.7		
62 Tetrachloroethene	166		6.778	6.775	(0.906)	103704	50.0000	49.9		
63 1,3-Dichloropropane	76		6.867	6.869	(0.918)	86948	50.0000	49.1		
64 2-Hexanone	43		6.930	6.927	(0.926)	94981	250.000	257		
65 Dibromochloromethane	129		7.045	7.047	(0.941)	51202	50.0000	51.4		
66 1,2-Dibromoethane	107		7.129	7.131	(0.953)	42646	50.0000	49.9		
* 67 Chlorobenzene-D5 (IS)	117		7.484	7.486	(1.000)	204039	50.0000			
68 Chlorobenzene	112		7.510	7.507	(1.003)	206802	50.0000	48.9		
69 1,1,1,2-Tetrachloroethane	131		7.583	7.580	(1.013)	67403	50.0000	51.8		
70 Ethylbenzene	106		7.583	7.586	(1.013)	121639	50.0000	50.8		
71 m&p-Xylene	106		7.683	7.680	(1.027)	300556	100.000	102		
72 o-Xylene	106		7.939	7.941	(1.061)	145781	50.0000	53.4		
73 Styrene	104		7.955	7.957	(1.063)	238574	50.0000	51.8		
74 Bromoform	173		8.075	8.077	(0.901)	29850	50.0000	44.9		
75 Isopropylbenzene	105		8.179	8.176	(1.093)	423359	50.0000	51.6		
\$ 76 4-Bromofluorobenzene	95		8.289	8.291	(1.108)	110697	50.0000	50.7		
77 Bromobenzene	77		8.373	8.370	(1.119)	156152	50.0000	49.4		
78 1,1,2,2-Tetrachloroethane	83		8.383	8.380	(0.935)	51858	50.0000	49.5		
80 trans-1,4-Dichloro-2-butene	53		8.399	8.401	(1.122)	10307	50.0000	46.2 (Q)		

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS		REVIEW C
						CAL-AMT (ppb)	ON-COL (ppb)	
81 1,2,3-Trichloropropane	110	8.415	8.412 (0.939)		16084	50.0000	49.2	
82 n-Propylbenzene	91	8.436	8.438 (0.941)		519761	50.0000	52.5	
83 2-Chlorotoluene	91	8.488	8.485 (0.947)		304709	50.0000	51.4	
84 1,3,5-Trimethylbenzene	105	8.545	8.542 (0.953)		364940	50.0000	52.2	
85 4-Chlorotoluene	126	8.561	8.563 (0.955)		91050	50.0000	51.2	
86 tert-Butylbenzene	119	8.723	8.725 (0.973)		336613	50.0000	53.8	
87 1,2,4-Trimethylbenzene	105	8.760	8.757 (0.977)		353609	50.0000	52.2	
88 sec-Butylbenzene	105	8.849	8.851 (0.987)		476256	50.0000	52.3	
89 1,3-Dichlorobenzene	146	8.922	8.919 (0.995)		184475	50.0000	50.2	
90 p-Isopropyltoluene	119	8.932	8.935 (0.997)		404834	50.0000	52.2	
* 91 1,4-Dichlorobenzene-d4 (IS)	152	8.964	8.966 (1.000)		113241	50.0000		
92 1,4-Dichlorobenzene	146	8.979	8.982 (1.002)		174977	50.0000	49.5	
93 n-Butylbenzene	91	9.152	9.154 (1.021)		419111	50.0000	53.3	
94 1,2-Dichlorobenzene	146	9.173	9.170 (1.023)		156482	50.0000	50.2	
95 1,2-Dibromo-3-chloropropane	155	9.581	9.578 (1.069)		7033	50.0000	45.4	
96 1,2,4-Trichlorobenzene	180	9.994	9.996 (1.115)		139856	50.0000	51.9	
97 Hexachlorobutadiene	225	10.062	10.059 (1.122)		112560	50.0000	48.4	
98 Naphthalene	128	10.145	10.142 (1.132)		176845	50.0000	54.0	
99 1,2,3-Trichlorobenzene	180	10.260	10.262 (1.145)		113503	50.0000	52.4	
100 2-methyl-naphthalene	142	10.799	10.796 (1.205)		115140	50.0000	53.4	
101 1-methylnaphthalene	142	10.919	10.916 (1.218)		92231	50.0000	52.3	

QC Flag Legend

- T - Target compound detected outside RT window.
- Q - Qualifier signal failed the ratio test.
- M - Compound response manually integrated.

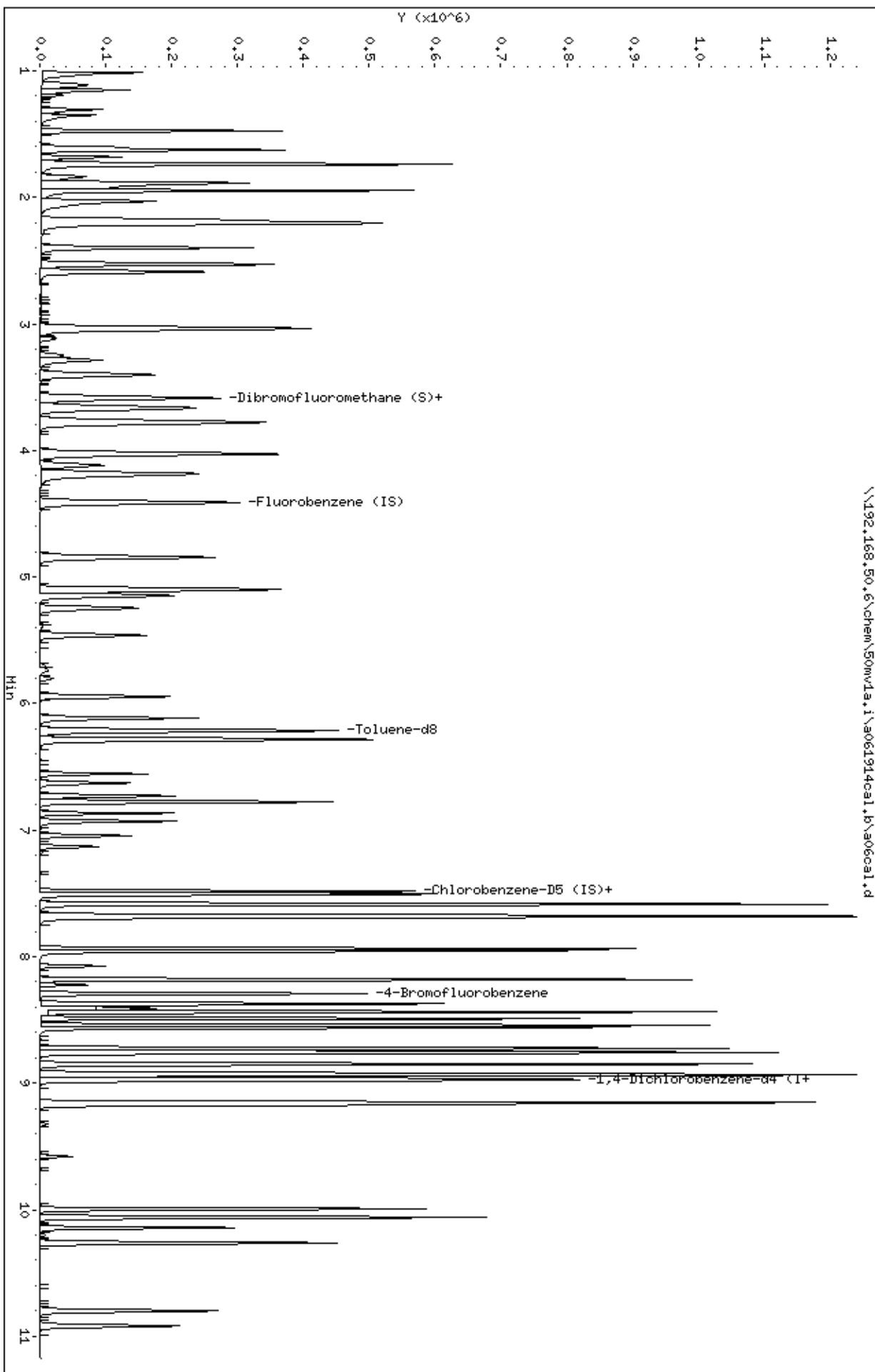
Review Codes Legend

- :
 WP: Indicates that the wrong peak was chosen by the data system.

Data File: \\192.168.50.6\chem\50mw1a.1\3061914cal.b\306cal.d
Date: 19-JUN-2014 16:37
Client ID: 8260-CAL6,71102:0
Sample Info: 8260-CAL6,71102:0
Purge Volume: 5.0
Column phase: DB-624

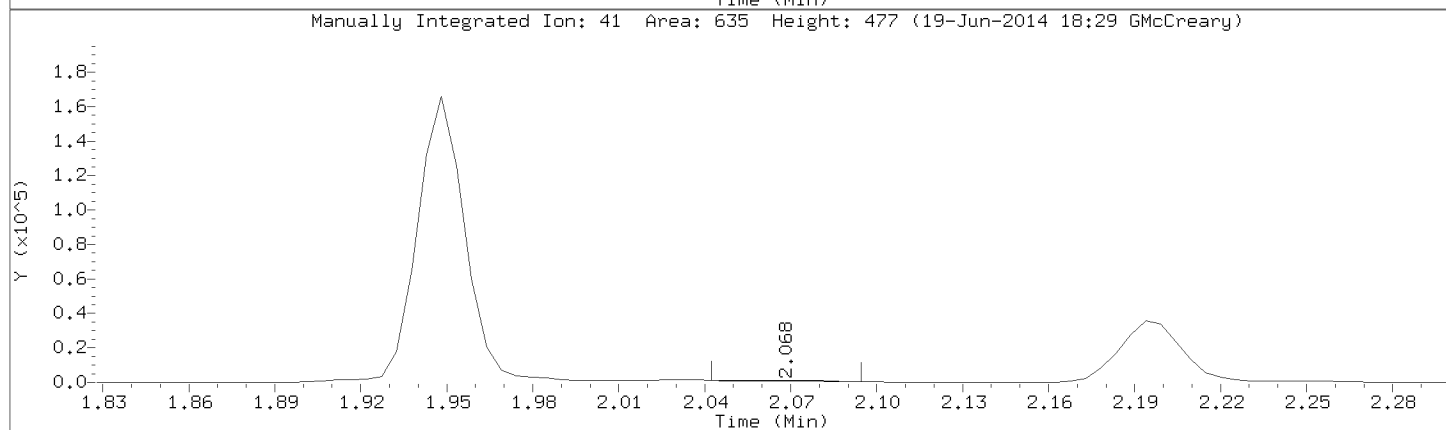
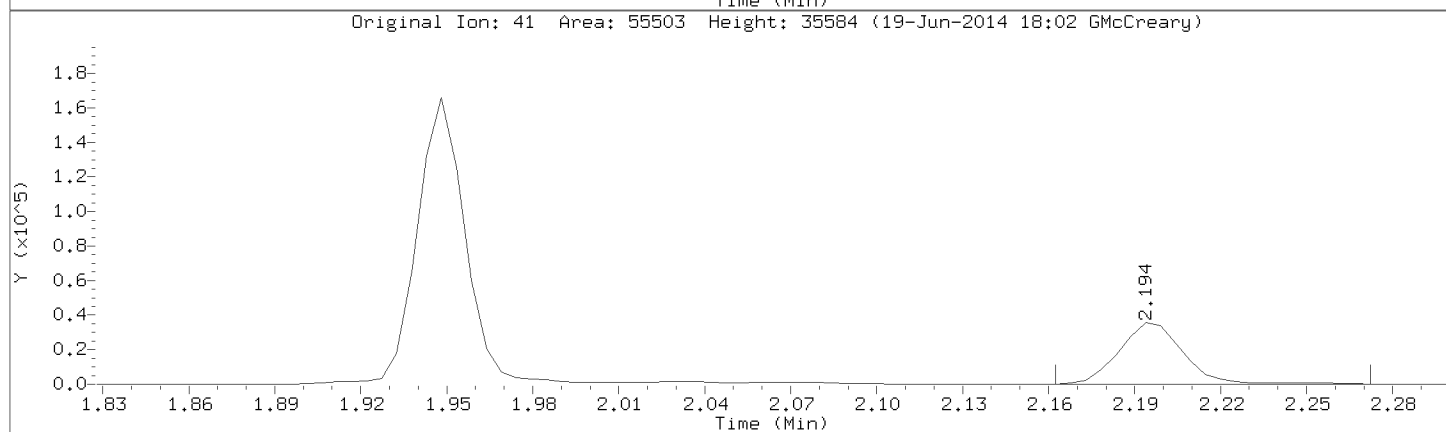
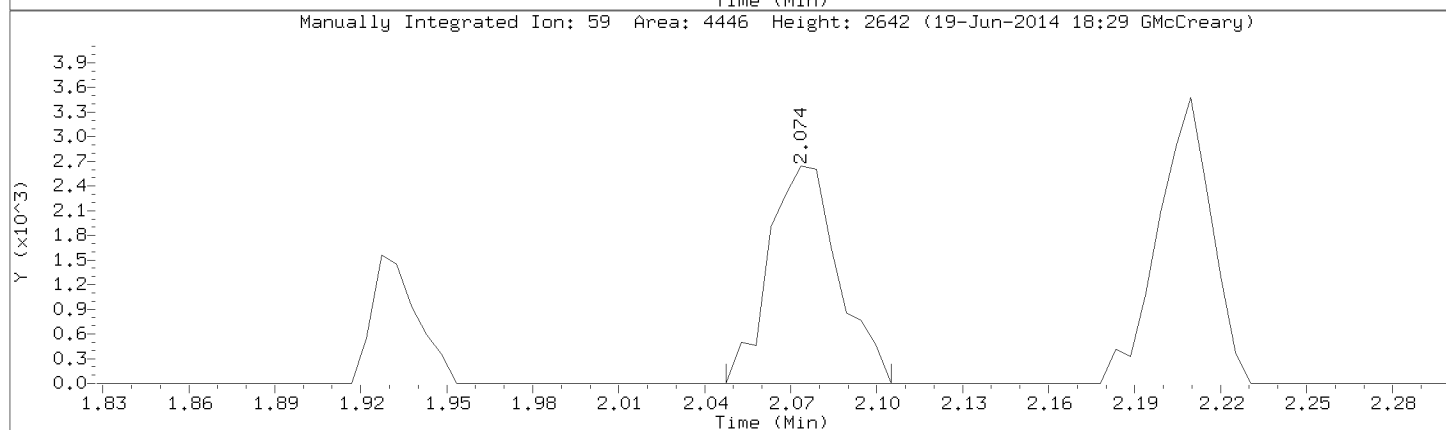
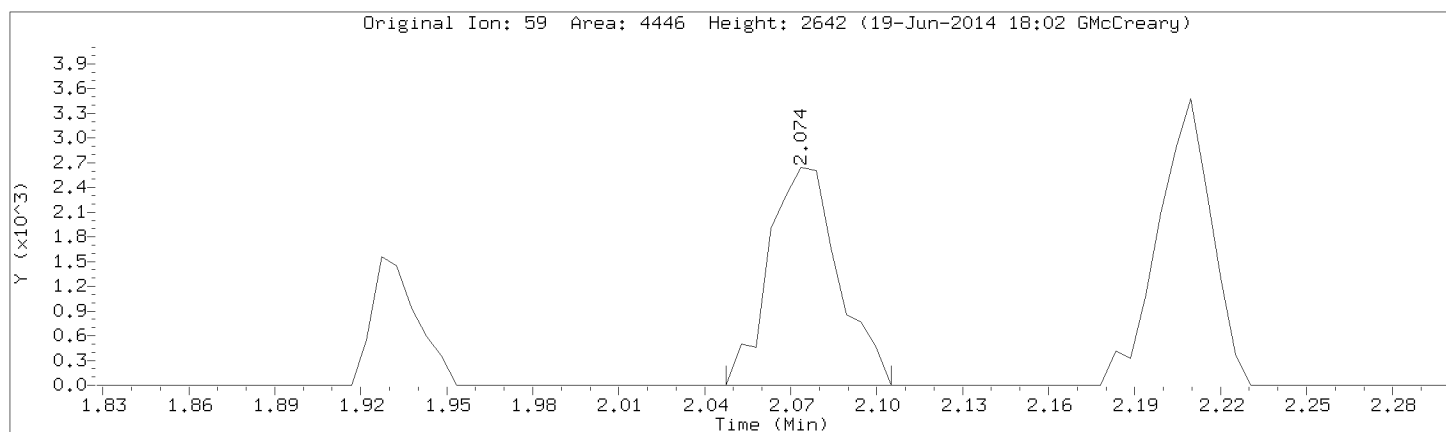
Instrument: 50mw1a.1
Operator: grm
Column diameter: 0.18

\\192.168.50.6\chem\50mw1a.1\3061914cal.b\306cal.d



Data File: \\192.168.50.6\chem\50mv1a.i\a061914cal.b/a06cal.d
Injection Date: 19-JUN-2014 16:37
Instrument: 50mv1a.i
Lab Sample ID: 8260-CAL6,71102:0

Compound: tert-Butyl Alcohol
CAS Number: 75-65-0



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Data file : \\192.168.50.6\chem\50mv1a.i\a061914cal.b\a07cal.d
 Lab Smp Id: 8260-CAL7,71103:0 Client Smp ID: 8260-CAL7,71103:0
 Inj Date : 19-JUN-2014 17:11
 Operator : grm Inst ID: 50mv1a.i
 Smp Info : 8260-cal7,71103:0
 Misc Info : 65941
 Comment :
 Method : \\192.168.50.6\chem\50mv1a.i\a061914cal.b\a8260_a_c.m
 Meth Date : 20-Jun-2014 09:11 hbanter Quant Type: ISTD
 Cal Date : 02-JUN-2014 17:40 Cal File: a09cal.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	MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS		REVIEW C
								CAL-AMT (ppb)	ON-COL (ppb)	
1 Dichlorodifluoromethane	85			1.010	1.014	(0.229)	366194	150.000	153	
2 Chloromethane	50			1.115	1.113	(0.253)	286405	150.000	150	
3 Vinyl Chloride	62			1.152	1.150	(0.261)	286957	150.000	153	
4 Bromomethane	94			1.298	1.302	(0.294)	193614	150.000	165	
5 Chloroethane	64			1.350	1.354	(0.306)	169176	150.000	148	
6 Trichlorofluoromethane	101			1.476	1.474	(0.334)	474838	150.000	152	
7 Diethyl ether	74			1.601	1.605	(0.363)	88708	150.000	152	
8 1,2-dichlorotrifluoroethane	67			1.622	1.621	(0.368)	308132	150.000	138	
9 Acrolein	56			1.680	1.683	(0.381)	232975	3000.00	3080	
10 1,1,2trichlorotrifluoroethane	101			1.732	1.736	(0.392)	250182	150.000	141	
11 1,1-Dichloroethene	96			1.742	1.741	(0.395)	210290	150.000	141	
12 Acetone	43			1.753	1.751	(0.397)	107149	750.000	660	
13 Iodomethane	142			1.836	1.840	(0.416)	323685	300.000	302	
14 Carbon Disulfide	76			1.889	1.887	(0.428)	1307229	300.000	271	
15 Methyl Acetate	43			1.930	1.929	(0.437)	55315	150.000	143	
16 Acetonitrile	39			1.946	1.945	(0.441)	465672	3000.00	2880	
17 allyl chloride	41			1.946	1.945	(0.441)	532433	300.000	276 (M)	NI
18 Methylene Chloride	84			2.030	2.028	(0.460)	226440	150.000	153	
19 tert-Butyl Alcohol	59			2.072	2.075	(0.469)	14026	300.000	296 (M)	WP
20 Acrylonitrile	53			2.176	2.175	(0.493)	527725	3000.00	2840	
21 Methyl-tert-butyl ether	73			2.197	2.196	(0.498)	727744	300.000	278	
22 1,2-Dichloroethene (trans)	96			2.208	2.211	(0.500)	220077	150.000	142	
23 n-Hexane	57			2.396	2.400	(0.543)	353902	150.000	140	

Compounds	QUANT MASS	SIG	AMOUNTS				CAL-AMT (ppb)	ON-COL (ppb)	REVIEW C
			RT	EXP RT	REL RT	RESPONSE			
24 Vinyl Acetate	43		2.521	2.525	(0.571)	778135	600.000	622	
25 1,1-Dichloroethane	63		2.532	2.535	(0.574)	398573	150.000	140	
26 Chloroprene	53		2.589	2.588	(0.587)	368691	150.000	146	
28 2-Butanone	43		3.028	3.027	(0.686)	168178	750.000	674	
29 1,2-Dichloroethene (cis)	96		3.034	3.037	(0.687)	236196	150.000	146	
30 2,2-Dichloropropane	77		3.039	3.043	(0.689)	326824	150.000	162	
31 Propionitrile	54		3.096	3.100	(0.702)	10724	150.000	148	
32 Methacrylonitrile	41		3.248	3.246	(0.736)	54300	750.000	777	
33 Bromochloromethane	49		3.285	3.283	(0.744)	91901	150.000	118	
34 Tetrahydrofuran	42		3.305	3.304	(0.749)	18846	150.000	156	
35 Chloroform	83		3.400	3.398	(0.770)	435727	150.000	143	
37 1,1,1-Trichloroethane	97		3.583	3.581	(0.812)	403794	150.000	156	
\$ 38 Dibromofluoromethane (S)	113		3.588	3.586	(0.813)	62774	50.0000	48.1	
39 Cyclohexane	56		3.666	3.665	(0.831)	348841	150.000	153	
40 Carbon Tetrachloride	117		3.771	3.774	(0.854)	334300	150.000	163	
41 1,1-Dichloropropene	75		3.781	3.780	(0.857)	366073	150.000	148	
42 Benzene	78		4.027	4.031	(0.912)	889304	150.000	146	
43 1,2-Dichloroethane	62		4.116	4.120	(0.932)	261821	150.000	143	
44 Isobutyl alcohol	43		4.184	4.182	(0.948)	150716	150.000	147	
45 2,2,4-Trimethylpentane	57		4.184	4.188	(0.948)	851922	150.000	151	
* 46 Fluorobenzene (IS)	96		4.414	4.412	(1.000)	271174	50.0000		
47 Trichloroethene	95		4.842	4.846	(1.097)	268015	150.000	149	
48 Methylcyclohexane	55		5.099	5.097	(1.155)	320332	150.000	150	
49 1,2-Dichloropropane	63		5.146	5.149	(1.166)	194794	150.000	149	
50 Dibromomethane	93		5.245	5.244	(1.188)	95744	150.000	150	
51 Methyl methacrylate	69		5.256	5.254	(1.191)	80831	150.000	165	
52 1,4-Dioxane	88		5.250	5.249	(1.189)	20964	3000.00		
53 Bromodichloromethane	83		5.459	5.458	(1.237)	308740	150.000	160	
54 2-Chloroethyl vinyl ether	63		5.799	5.798	(0.774)	25199	300.000	287	
55 cis-1,3-Dichloropropene	75		5.946	5.944	(0.794)	339344	150.000	175	
56 4-Methyl-2-Pentanone	43		6.113	6.117	(0.816)	422559	750.000	778	
\$ 57 Toluene-d8	98		6.212	6.211	(0.830)	268694	50.0000	48.3	
58 Toluene	91		6.285	6.284	(0.839)	975635	150.000	139	
59 trans-1,3-Dichloropropene	75		6.557	6.556	(0.876)	260633	150.000	154	
60 Ethyl Methacrylate	69		6.625	6.629	(0.885)	194641	150.000	169	
61 1,1,2-Trichloroethane	83		6.730	6.734	(0.899)	120413	150.000	148	
62 Tetrachloroethene	166		6.777	6.775	(0.905)	306526	150.000	143	
63 1,3-Dichloropropane	76		6.866	6.869	(0.917)	270656	150.000	148	
64 2-Hexanone	43		6.928	6.927	(0.925)	299666	750.000	784	
65 Dibromochloromethane	129		7.043	7.047	(0.941)	177661	150.000	172	
66 1,2-Dibromoethane	107		7.127	7.131	(0.952)	136858	150.000	155	
* 67 Chlorobenzene-D5 (IS)	117		7.488	7.486	(1.000)	210800	50.0000		
68 Chlorobenzene	112		7.509	7.507	(1.003)	612327	150.000	140	
69 1,1,1,2-Tetrachloroethane	131		7.582	7.580	(1.013)	215032	150.000	160	
70 Ethylbenzene	106		7.587	7.586	(1.013)	365347	150.000	148	
71 m&p-Xylene	106		7.681	7.680	(1.026)	873408	300.000	287	
72 o-Xylene	106		7.937	7.941	(1.060)	437627	150.000	155	
73 Styrene	104		7.953	7.957	(1.062)	700318	150.000	147	
74 Bromoform	173		8.073	8.077	(0.900)	109211	150.000	149	
75 Isopropylbenzene	105		8.178	8.176	(1.092)	1201412	150.000	142	
\$ 76 4-Bromofluorobenzene	95		8.293	8.291	(1.107)	110579	50.0000	49.0	
77 Bromobenzene	77		8.371	8.370	(1.118)	467649	150.000	143	
78 1,1,2,2-Tetrachloroethane	83		8.382	8.380	(0.935)	160510	150.000	152	
80 trans-1,4-Dichloro-2-butene	53		8.403	8.401	(1.122)	37750	150.000	154 (Q)	

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS		REVIEW C
						CAL-AMT (ppb)	ON-COL (ppb)	
81 1,2,3-Trichloropropane	110	8.413	8.412 (0.938)		49793	150.000	152	
82 n-Propylbenzene	91	8.434	8.438 (0.941)		1433931	150.000	144	
83 2-Chlorotoluene	91	8.486	8.485 (0.946)		879019	150.000	147	
84 1,3,5-Trimethylbenzene	105	8.544	8.542 (0.953)		1021864	150.000	145	
85 4-Chlorotoluene	126	8.560	8.563 (0.955)		272218	150.000	152	
86 tert-Butylbenzene	119	8.722	8.725 (0.973)		963352	150.000	153	
87 1,2,4-Trimethylbenzene	105	8.758	8.757 (0.977)		992244	150.000	146	
88 sec-Butylbenzene	105	8.847	8.851 (0.987)		1335291	150.000	146	
89 1,3-Dichlorobenzene	146	8.920	8.919 (0.995)		538157	150.000	146	
90 p-Isopropyltoluene	119	8.936	8.935 (0.997)		1120990	150.000	144	
* 91 1,4-Dichlorobenzene-d4 (IS)	152	8.967	8.966 (1.000)		113918	50.0000	(Q)	
92 1,4-Dichlorobenzene	146	8.978	8.982 (1.001)		522403	150.000	147	
93 n-Butylbenzene	91	9.150	9.154 (1.020)		1153999	150.000	146	
94 1,2-Dichlorobenzene	146	9.171	9.170 (1.023)		454659	150.000	145	
95 1,2-Dibromo-3-chloropropane	155	9.579	9.578 (1.068)		25669	150.000	148	
96 1,2,4-Trichlorobenzene	180	9.997	9.996 (1.115)		419095	150.000	154	
97 Hexachlorobutadiene	225	10.060	10.059 (1.122)		337394	150.000	144	
98 Naphthalene	128	10.144	10.142 (1.131)		556281	150.000	169	
99 1,2,3-Trichlorobenzene	180	10.259	10.262 (1.144)		347664	150.000	159	
100 2-methyl-naphthalene	142	10.797	10.796 (1.204)		376961	150.000	174	
101 1-methylnaphthalene	142	10.917	10.916 (1.217)		298913	150.000	168	

QC Flag Legend

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

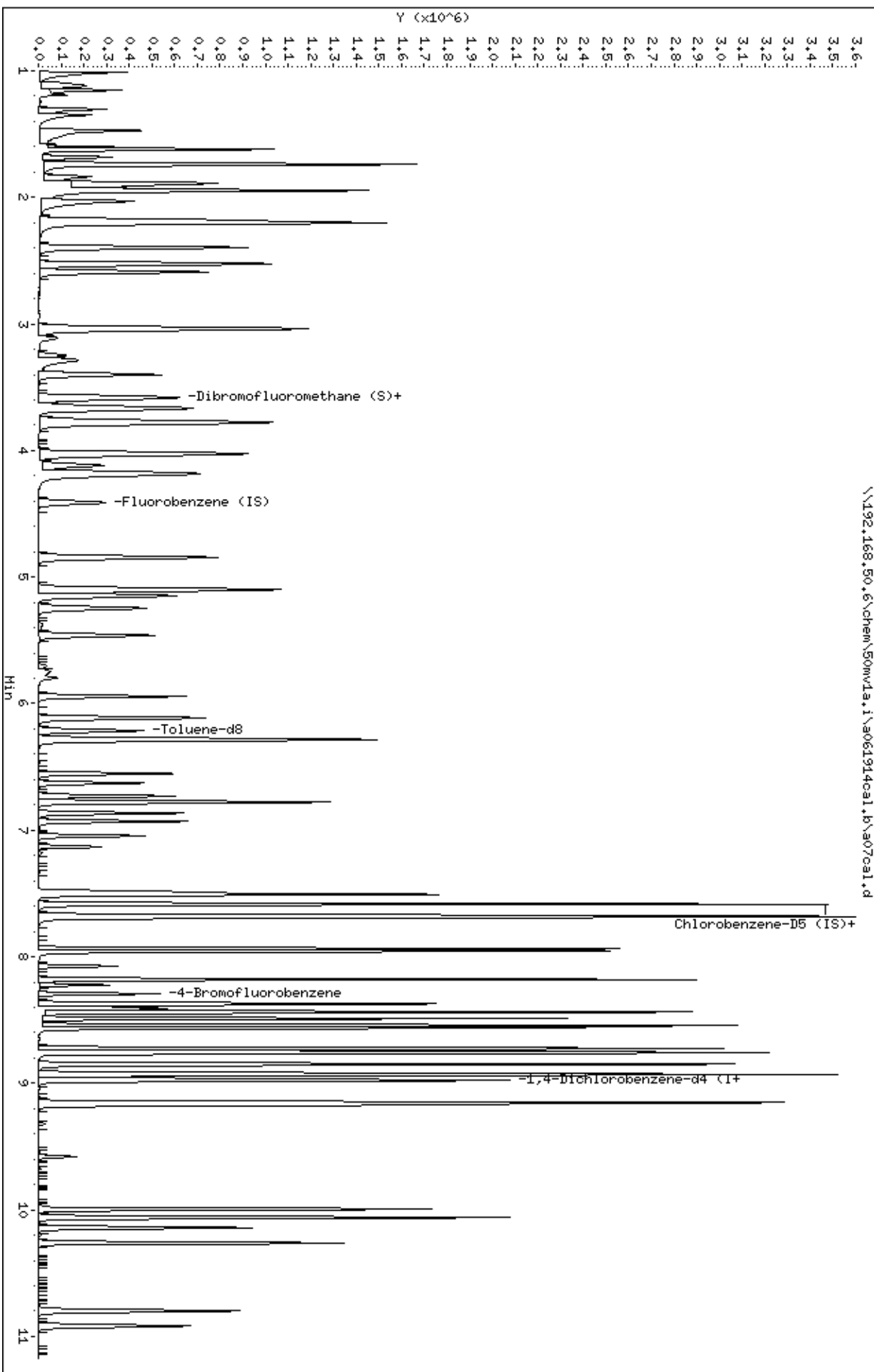
Review Codes Legend

:
 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.

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Sample Info: 8260-CAL7,71103:0
Purge Volume: 5.0
Column phase: DB-624

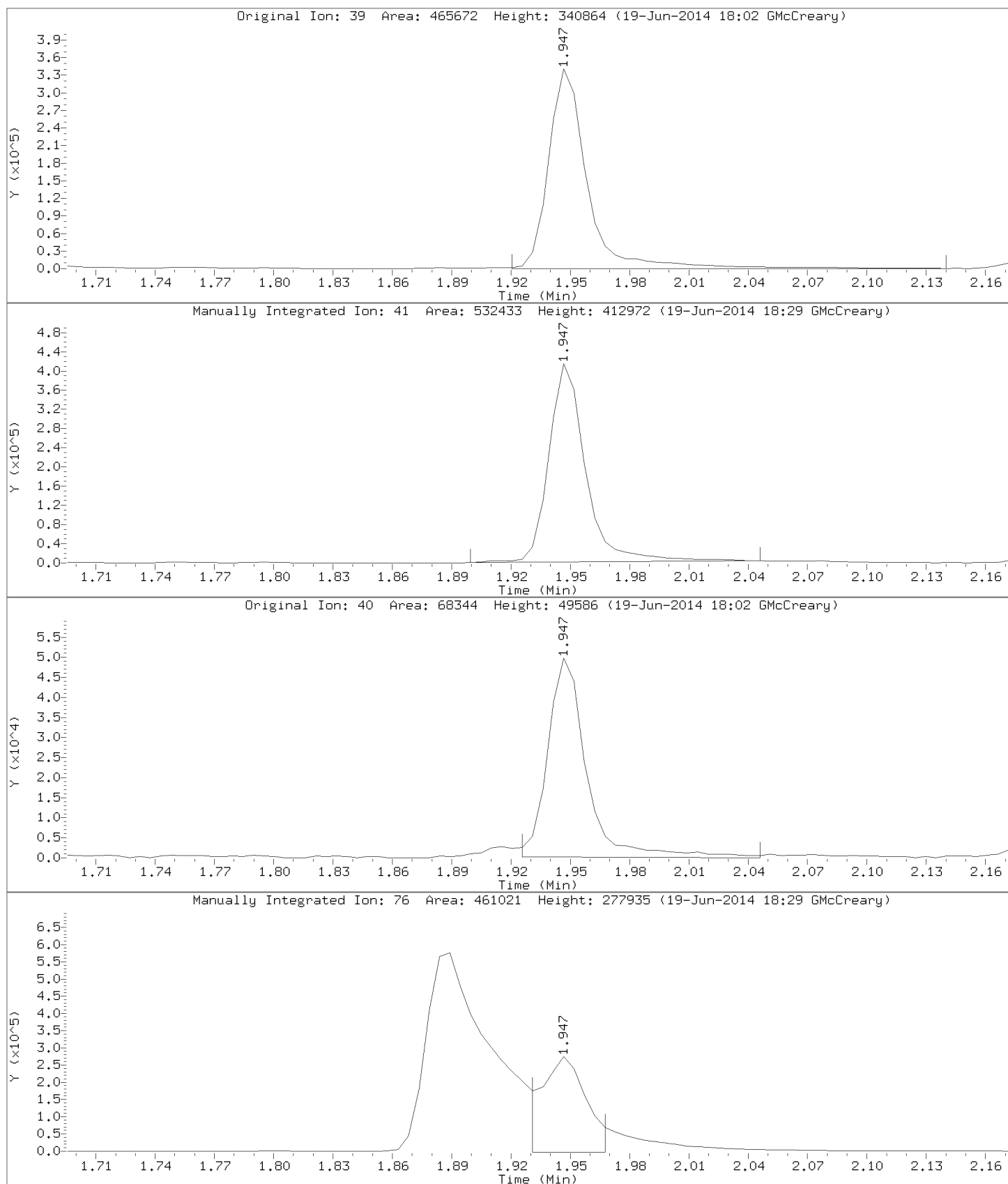
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Operator: grm
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Injection Date: 19-JUN-2014 17:11
Instrument: 50mv1a.i
Lab Sample ID: 8260-CAL7,71103:0

Compound: allyl chloride
CAS Number: 107-05-1



Data File: \\192.168.50.6\chem\50mv1a.i\a061914cal.b/a07cal.d

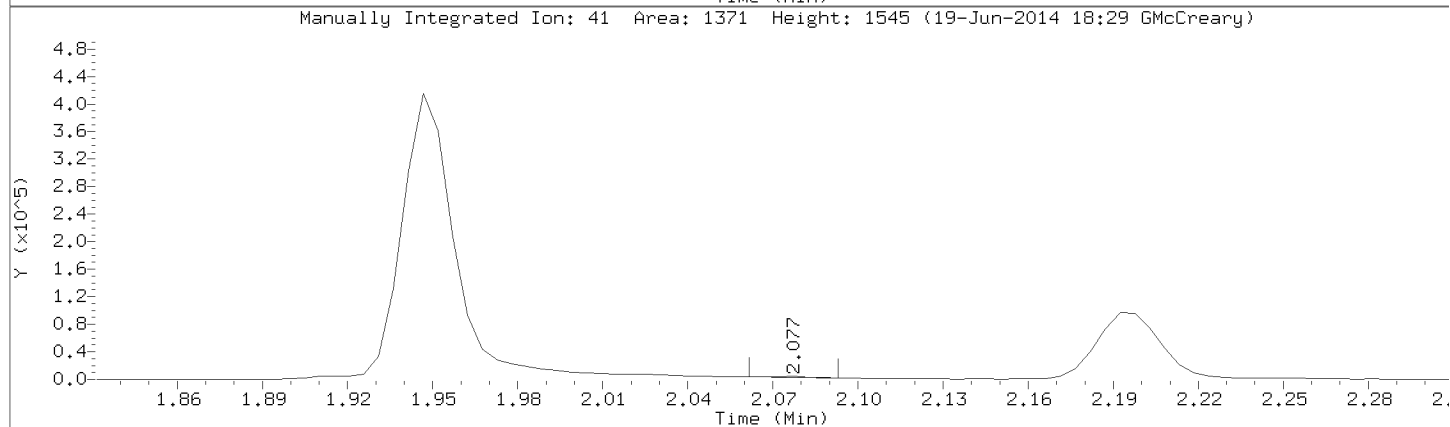
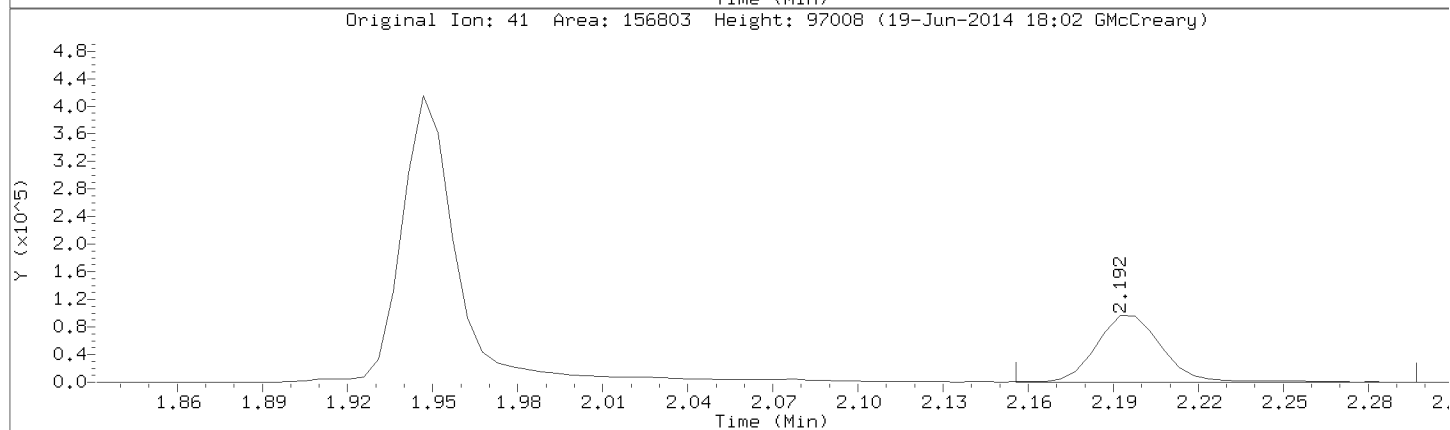
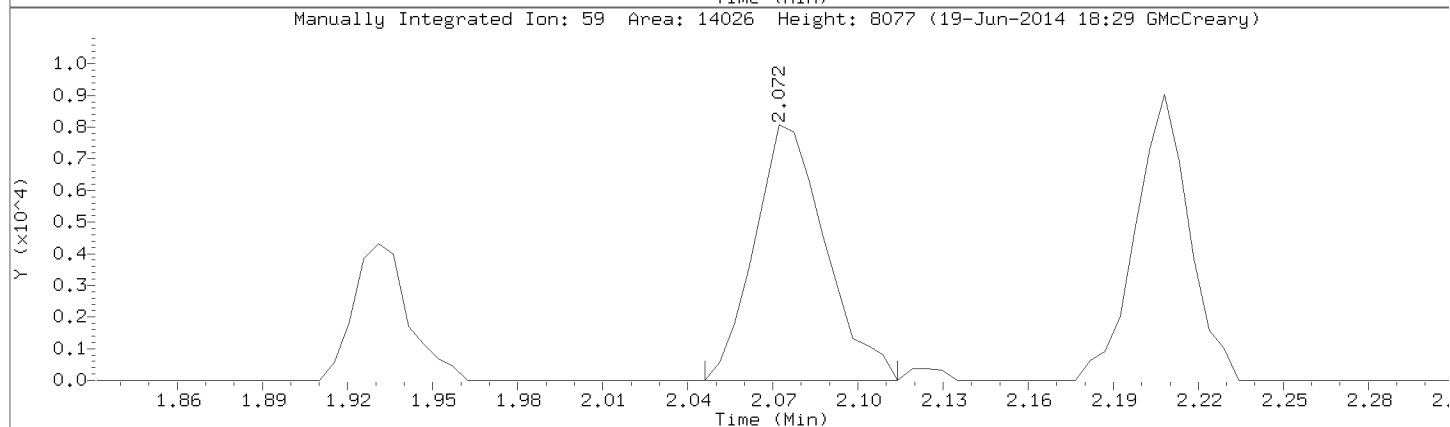
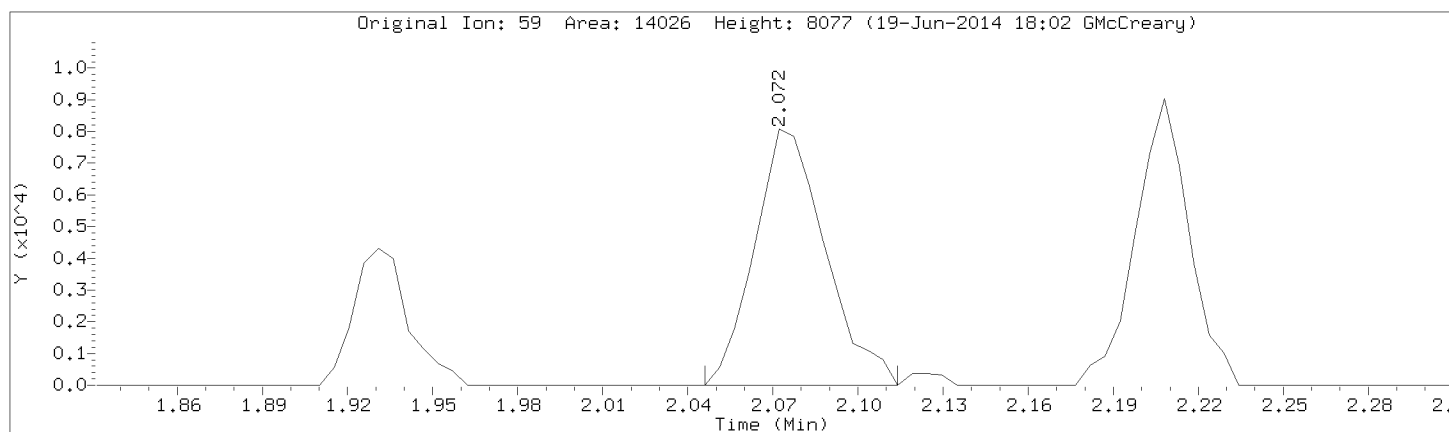
Injection Date: 19-JUN-2014 17:11

Instrument: 50mv1a.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\50mv1a.i\a061914cal.b\a08cal.d
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 Operator : grm Inst ID: 50mv1a.i
 Smp Info : 8260-cal8,71104:0
 Misc Info : 65941
 Comment :
 Method : \\192.168.50.6\chem\50mv1a.i\a061914cal.b\a8260_a_c.m
 Meth Date : 20-Jun-2014 09:11 hbanter Quant Type: ISTD
 Cal Date : 02-JUN-2014 17:40 Cal File: a09cal.d
 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 (ppb)	ON-COL (ppb)	
1 Dichlorodifluoromethane	85			1.009	1.014	(0.229)	714196	300.000	282	
2 Chloromethane	50			1.093	1.113	(0.248)	681535	300.000	339	
3 Vinyl Chloride	62			1.151	1.150	(0.261)	557429	300.000	282	
4 Bromomethane	94			1.297	1.302	(0.294)	366323	300.000	294	
5 Chloroethane	64			1.344	1.354	(0.305)	334779	300.000	278	
6 Trichlorofluoromethane	101			1.475	1.474	(0.334)	925193	300.000	280	
7 Diethyl ether	74			1.600	1.605	(0.363)	176199	300.000	286	
8 1,2-dichlorotrifluoroethane	67			1.621	1.621	(0.367)	590982	300.000	251	
9 Acrolein	56			1.684	1.683	(0.382)	468081	6000.00	5870	
10 1,1,2trichlorotrifluoroethane	101			1.731	1.736	(0.392)	484847	300.000	259	
11 1,1-Dichloroethene	96			1.741	1.741	(0.395)	434837	300.000	276	
12 Acetone	43			1.757	1.751	(0.398)	207943	1500.00	1210	
13 Iodomethane	142			1.835	1.840	(0.416)	478350	600.000	418	
14 Carbon Disulfide	76			1.882	1.887	(0.427)	2593704	600.000	509	
15 Methyl Acetate	43			1.930	1.929	(0.437)	110442	300.000	271	
16 Acetonitrile	39			1.945	1.945	(0.441)	795385	6000.00	4660	
17 allyl chloride	41			1.945	1.945	(0.441)	979429	600.000	482 (M)	NI
18 Methylene Chloride	84			2.029	2.028	(0.460)	442533	300.000	298	
19 tert-Butyl Alcohol	59			2.081	2.075	(0.472)	30341	600.000	602 (M)	WP
20 Acrylonitrile	53			2.175	2.175	(0.493)	1035007	6000.00	5280	
21 Methyl-tert-butyl ether	73			2.196	2.196	(0.498)	1394615	600.000	505	
22 1,2-Dichloroethene (trans)	96			2.207	2.211	(0.500)	442311	300.000	270	
23 n-Hexane	57			2.395	2.400	(0.543)	701049	300.000	263	

Compounds	QUANT	SIG						AMOUNTS		REVIEW C
			MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ppb)	ON-COL (ppb)	
24 Vinyl Acetate	43		2.520	2.525	(0.571)	1487735	1200.00	1130		
25 1,1-Dichloroethane	63		2.531	2.535	(0.574)	785271	300.000	262		
26 Chloroprene	53		2.588	2.588	(0.587)	726450	300.000	273		
28 2-Butanone	43		3.027	3.027	(0.686)	328333	1500.00	1250		
29 1,2-Dichloroethene (cis)	96		3.038	3.037	(0.688)	473298	300.000	277		
30 2,2-Dichloropropane	77		3.043	3.043	(0.690)	677810	300.000	318		
31 Propionitrile	54		3.101	3.100	(0.703)	23443	300.000	301(Q)		
32 Methacrylonitrile	41		3.247	3.246	(0.736)	112950	1500.00	1530		
33 Bromochloromethane	49		3.289	3.283	(0.745)	173202	300.000	211		
34 Tetrahydrofuran	42		3.304	3.304	(0.749)	38455	300.000	302		
35 Chloroform	83		3.399	3.398	(0.770)	850702	300.000	265		
37 1,1,1-Trichloroethane	97		3.582	3.581	(0.812)	812678	300.000	297		
\$ 38 Dibromofluoromethane (S)	113		3.587	3.586	(0.813)	63481	50.0000	46.1		
39 Cyclohexane	56		3.665	3.665	(0.831)	708382	300.000	294		
40 Carbon Tetrachloride	117		3.775	3.774	(0.855)	684124	300.000	316		
41 1,1-Dichloropropene	75		3.780	3.780	(0.857)	722422	300.000	276		
42 Benzene	78		4.031	4.031	(0.914)	1756147	300.000	274		
43 1,2-Dichloroethane	62		4.115	4.120	(0.932)	525708	300.000	272		
44 Isobutyl alcohol	43		4.183	4.182	(0.948)	302265	300.000	279		
45 2,2,4-Trimethylpentane	57		4.183	4.188	(0.948)	1670483	300.000	280		
* 46 Fluorobenzene (IS)	96		4.413	4.412	(1.000)	286258	50.0000			
47 Trichloroethene	95		4.842	4.846	(1.097)	531939	300.000	280		
48 Methylcyclohexane	55		5.098	5.097	(1.155)	634715	300.000	281		
49 1,2-Dichloropropane	63		5.150	5.149	(1.167)	396977	300.000	287		
50 Dibromomethane	93		5.244	5.244	(1.188)	190708	300.000	283		
51 Methyl methacrylate	69		5.255	5.254	(1.191)	162947	300.000	314		
52 1,4-Dioxane	88		5.249	5.249	(1.190)	41778	6000.00			
53 Bromodichloromethane	83		5.458	5.458	(1.237)	630062	300.000	309		
54 2-Chloroethyl vinyl ether	63		5.798	5.798	(0.774)	48517	600.000	514		
55 cis-1,3-Dichloropropene	75		5.945	5.944	(0.794)	700721	300.000	337		
56 4-Methyl-2-Pentanone	43		6.117	6.117	(0.817)	826006	1500.00	1420		
\$ 57 Toluene-d8	98		6.211	6.211	(0.830)	283861	50.0000	47.6		
58 Toluene	91		6.284	6.284	(0.839)	1867119	300.000	248		
59 trans-1,3-Dichloropropene	75		6.556	6.556	(0.876)	549741	300.000	299		
60 Ethyl Methacrylate	69		6.629	6.629	(0.885)	396641	300.000	320		
61 1,1,2-Trichloroethane	83		6.734	6.734	(0.899)	239329	300.000	274		
62 Tetrachloroethene	166		6.781	6.775	(0.906)	600783	300.000	261		
63 1,3-Dichloropropane	76		6.870	6.869	(0.918)	537439	300.000	274		
64 2-Hexanone	43		6.933	6.927	(0.926)	596829	1500.00	1450		
65 Dibromochloromethane	129		7.048	7.047	(0.941)	368948	300.000	334		
66 1,2-Dibromoethane	107		7.131	7.131	(0.953)	278733	300.000	294		
* 67 Chlorobenzene-D5 (IS)	117		7.487	7.486	(1.000)	226358	50.0000			
68 Chlorobenzene	112		7.508	7.507	(1.003)	1205789	300.000	257		
69 1,1,1,2-Tetrachloroethane	131		7.581	7.580	(1.013)	434946	300.000	301		
70 Ethylbenzene	106		7.586	7.586	(1.013)	723056	300.000	272		
71 m&p-Xylene	106		7.680	7.680	(1.026)	1701633	600.000	521		
72 o-Xylene	106		7.942	7.941	(1.061)	878852	300.000	290		
73 Styrene	104		7.957	7.957	(1.063)	1353837	300.000	265		
74 Bromoform	173		8.078	8.077	(0.901)	235584	300.000	301		
75 Isopropylbenzene	105		8.177	8.176	(1.092)	2167987	300.000	238		
\$ 76 4-Bromofluorobenzene	95		8.292	8.291	(1.108)	117335	50.0000	48.5		
77 Bromobenzene	77		8.370	8.370	(1.118)	919772	300.000	262		
78 1,1,2,2-Tetrachloroethane	83		8.381	8.380	(0.935)	313430	300.000	285		
80 trans-1,4-Dichloro-2-butene	53		8.402	8.401	(1.122)	79492	300.000	298		

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS		REVIEW C
						CAL-AMT (ppb)	ON-COL (ppb)	
81 1,2,3-Trichloropropane	110	8.412	8.412	(0.938)	97054	300.000	283	
82 n-Propylbenzene	91	8.438	8.438	(0.941)	2521400	300.000	243	
83 2-Chlorotoluene	91	8.491	8.485	(0.947)	1644267	300.000	264	
84 1,3,5-Trimethylbenzene	105	8.543	8.542	(0.953)	1867502	300.000	254	
85 4-Chlorotoluene	126	8.564	8.563	(0.955)	547059	300.000	293	
86 tert-Butylbenzene	119	8.726	8.725	(0.973)	1744013	300.000	266	
87 1,2,4-Trimethylbenzene	105	8.757	8.757	(0.977)	1793495	300.000	252	
88 sec-Butylbenzene	105	8.851	8.851	(0.987)	2387681	300.000	250	
89 1,3-Dichlorobenzene	146	8.919	8.919	(0.995)	1028082	300.000	267	
90 p-Isopropyltoluene	119	8.935	8.935	(0.997)	2020907	300.000	248	
* 91 1,4-Dichlorobenzene-d4 (IS)	152	8.966	8.966	(1.000)	118835	50.0000	(Q)	
92 1,4-Dichlorobenzene	146	8.977	8.982	(1.001)	1007113	300.000	272	
93 n-Butylbenzene	91	9.155	9.154	(1.021)	2061829	300.000	250	
94 1,2-Dichlorobenzene	146	9.170	9.170	(1.023)	880349	300.000	269	
95 1,2-Dibromo-3-chloropropane	155	9.583	9.578	(1.069)	55652	300.000	302	
96 1,2,4-Trichlorobenzene	180	9.996	9.996	(1.115)	818351	300.000	289	
97 Hexachlorobutadiene	225	10.059	10.059	(1.122)	660861	300.000	271	
98 Naphthalene	128	10.143	10.142	(1.131)	1090515	300.000	317	
99 1,2,3-Trichlorobenzene	180	10.263	10.262	(1.145)	678538	300.000	298	
100 2-methyl-naphthalene	142	10.796	10.796	(1.204)	750061	300.000	332	
101 1-methylnaphthalene	142	10.916	10.916	(1.217)	594368	300.000	321	

QC Flag Legend

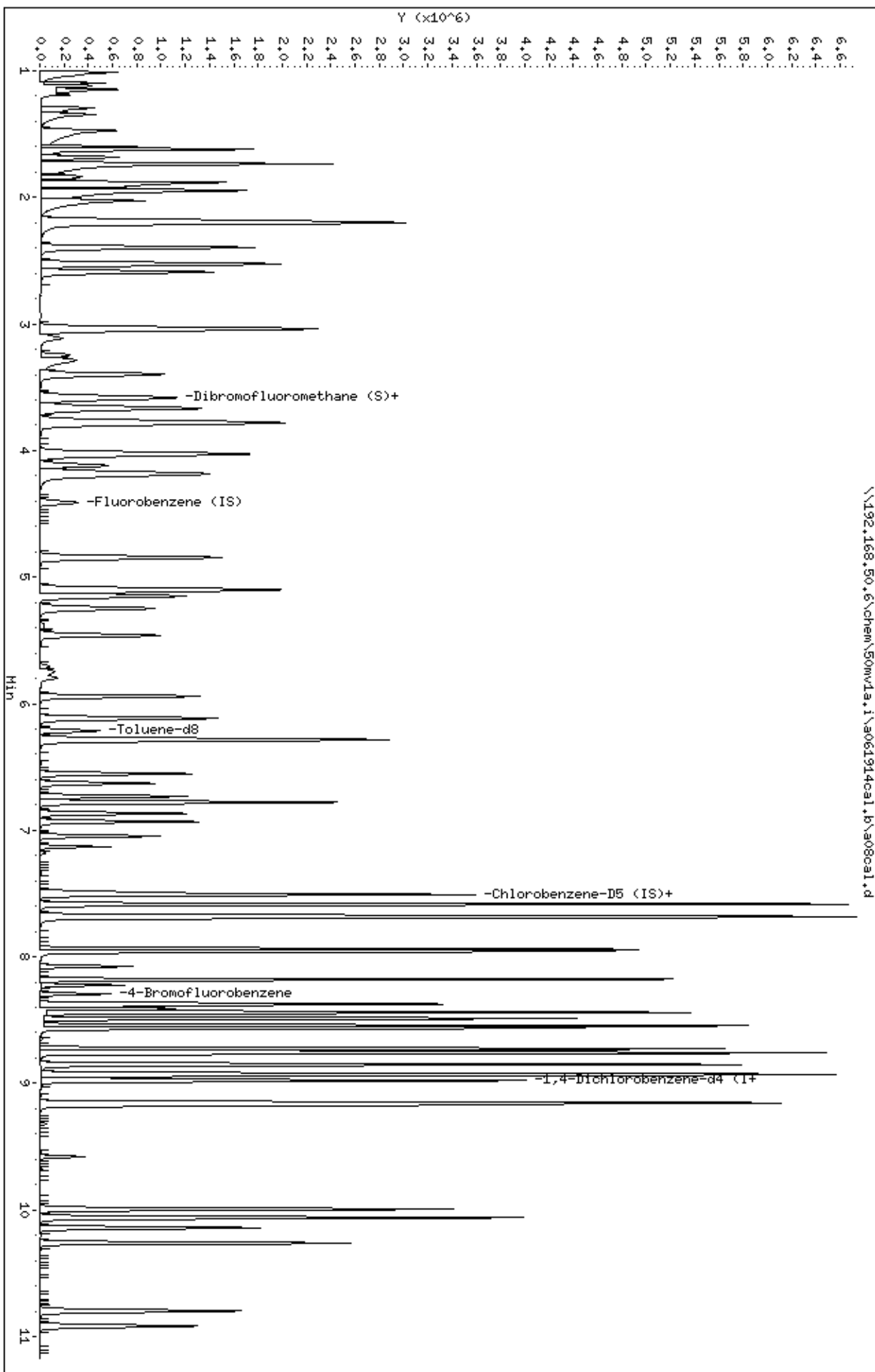
Q - Qualifier signal failed the ratio test.
 M - Compound response manually integrated.

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.

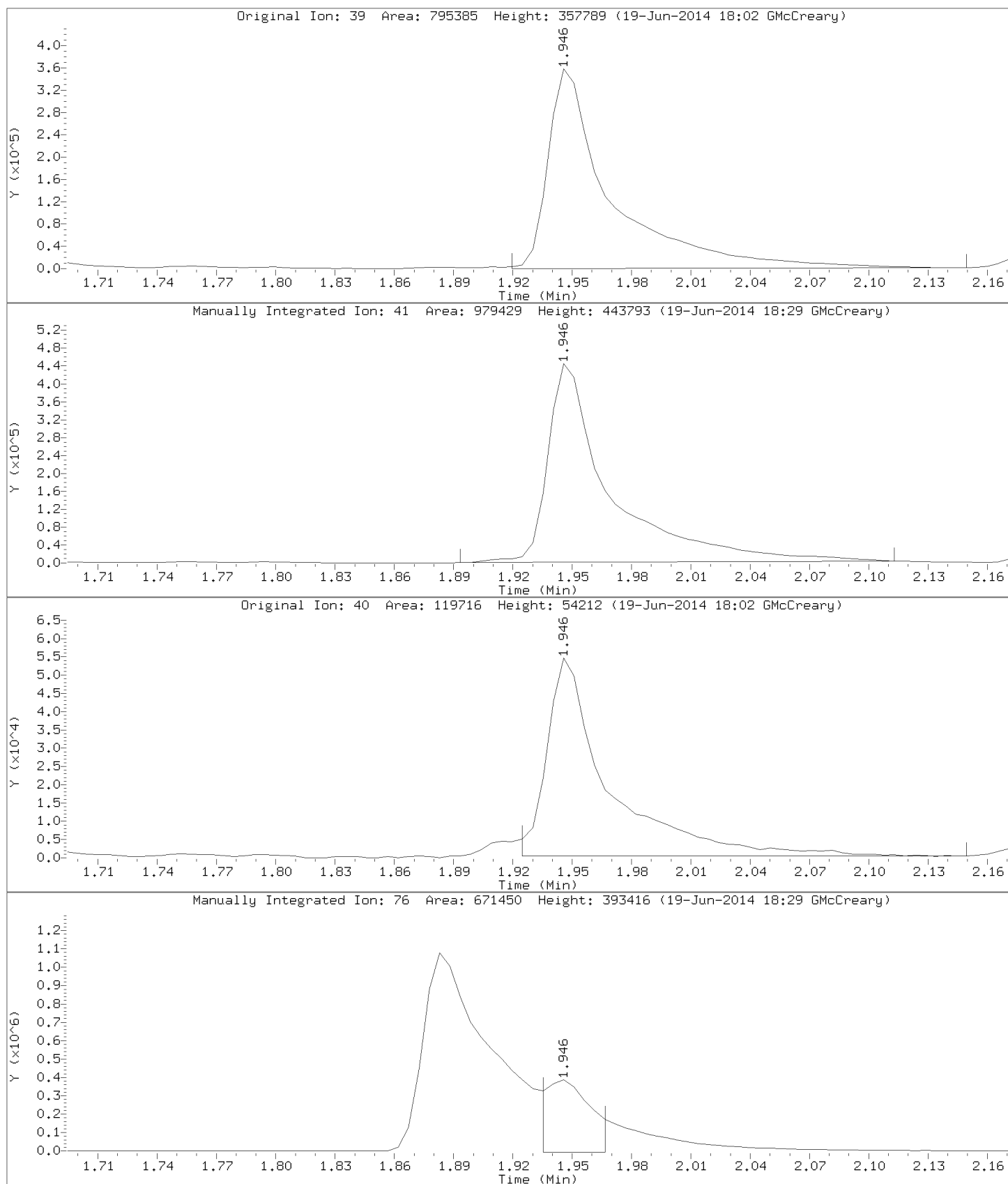
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Sample Info: 8260-CAL8,71104:0
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50mw1a.1
Operator: grm
Column diameter: 0.18



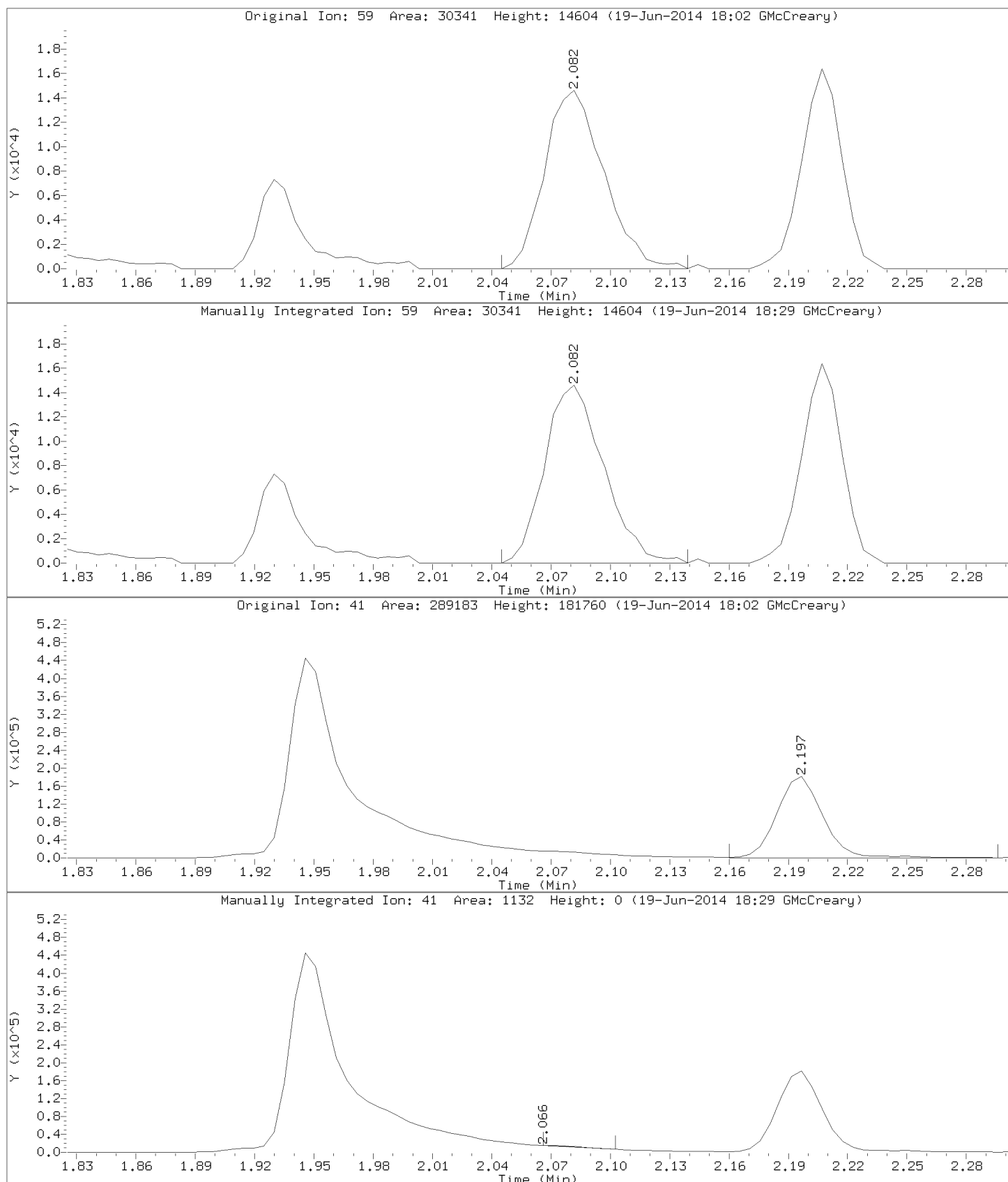
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Injection Date: 19-JUN-2014 17:44
Instrument: 50mv1a.i
Lab Sample ID: 8260-CAL8,71104:0

Compound: allyl chloride
CAS Number: 107-05-1



Data File: \\192.168.50.6\chem\50mv1a.i\a061914cal.b/a08cal.d
Injection Date: 19-JUN-2014 17:44
Instrument: 50mv1a.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\50mv1b.i\b061914cal.b\b01cal.d
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 Inj Date : 19-JUN-2014 14:06
 Operator : grm Inst ID: 50mv1b.i
 Smp Info : 8260-call,71097:0
 Misc Info : 65942
 Comment :
 Method : \\192.168.50.6\chem\50mv1b.i\b061914cal.b\b8260_a_c.m
 Meth Date : 20-Jun-2014 09:15 hbanter Quant Type: ISTD
 Cal Date : 02-JUN-2014 17:56 Cal File: b09cal.d
 Als bottle: 4 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	MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS		REVIEW C
								CAL-AMT (ppb)	ON-COL (ppb)	
1 Dichlorodifluoromethane	85			1.007	1.010	(0.229)	2592	1.00000	1.15(T)	
2 Chloromethane	50			1.112	1.120	(0.252)	1907	1.00000	1.09	
3 Vinyl Chloride	62			1.143	1.146	(0.260)	1659	1.00000	0.932	
4 Bromomethane	94			1.300	1.303	(0.295)	603	1.00000	2.61	
6 Trichlorofluoromethane	101			1.467	1.470	(0.333)	3322	1.00000	1.14	
7 Diethyl ether	74			1.593	1.601	(0.362)	457	1.00000	0.790	
8 1,2-dichlorotrifluoroethane	67			1.619	1.617	(0.368)	1848	1.00000	0.893	
9 Acrolein	56			1.677	1.680	(0.381)	1719	20.00000	23.4	
10 1,1,2trichlorotrifluoroethane	101			1.729	1.732	(0.392)	1804	1.00000	1.10	
11 1,1-Dichloroethene	96			1.734	1.737	(0.394)	1418	1.00000	1.04(Q)	
12 Acetone	43			1.745	1.747	(0.396)	1774	5.00000	11.5	
14 Carbon Disulfide	76			1.880	1.883	(0.427)	8436	2.00000	1.92	
17 allyl chloride	41			1.938	1.946	(0.440)	3184	2.00000	1.79	
18 Methylene Chloride	84			2.027	2.025	(0.460)	12549	1.00000		
20 Acrylonitrile	53			2.168	2.171	(0.492)	3325	20.00000	19.1	
21 Methyl-tert-butyl ether	73			2.194	2.192	(0.498)	4766	2.00000	1.94	
22 1,2-Dichloroethene (trans)	96			2.205	2.208	(0.500)	1449	1.00000	1.01	
25 Vinyl Acetate	43			2.518	2.521	(0.572)	5029	4.00000	4.15	
29 1,2-Dichloroethene (cis)	96			3.031	3.034	(0.688)	1434	1.00000	0.930	
33 Bromochloromethane	49			3.287	3.279	(0.746)	496	1.00000	0.694	
35 Chloroform	83			3.397	3.400	(0.771)	2465	1.00000	0.881	
37 1,1,1-Trichloroethane	97			3.574	3.577	(0.811)	1776	1.00000	0.756	
\$ 38 Dibromofluoromethane (S)	113			3.580	3.583	(0.813)	64637	50.00000	53.0	

Compounds	QUANT SIG		AMOUNTS					REVIEW C
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ppb)	ON-COL (ppb)	
39 Cyclohexane	56	3.663	3.661	(0.832)	1859	1.00000	0.870 (Q)	
42 Benzene	78	4.024	4.027	(0.913)	5756	1.00000	1.02	
45 2,2,4-Trimethylpentane	57	4.196	4.184	(0.953)	3855	1.00000	0.735	
* 46 Fluorobenzene (IS)	96	4.406	4.409	(1.000)	256084	50.00000		
47 Trichloroethene	95	4.840	4.842	(1.098)	1525	1.00000	0.924	
49 1,2-Dichloropropane	63	5.143	5.146	(1.167)	912	1.00000	0.727	
55 cis-1,3-Dichloropropene	75	5.937	5.940	(0.793)	961	1.00000	0.510	
\$ 57 Toluene-d8	98	6.209	6.212	(0.830)	259244	50.00000	49.5	
58 Toluene	91	6.282	6.285	(0.839)	6743	1.00000	1.03	
61 1,1,2-Trichloroethane	83	6.732	6.730	(0.899)	689	1.00000	0.890 (Q)	
62 Tetrachloroethene	166	6.779	6.777	(0.906)	1934	1.00000	0.950	
63 1,3-Dichloropropane	76	6.868	6.866	(0.918)	1559	1.00000	0.894	
65 Dibromochloromethane	129	7.035	7.043	(0.940)	607	1.00000	0.609	
66 1,2-Dibromoethane	107	7.129	7.127	(0.953)	520	1.00000	0.628	
* 67 Chlorobenzene-D5 (IS)	117	7.485	7.488	(1.000)	199196	50.00000		
68 Chlorobenzene	112	7.506	7.509	(1.003)	4020	1.00000	1.00	
69 1,1,1,2-Tetrachloroethane	131	7.579	7.582	(1.013)	842	1.00000	0.667	
70 Ethylbenzene	106	7.579	7.587	(1.013)	2118	1.00000	0.927	
71 m&p-Xylene	106	7.684	7.681	(1.027)	5264	2.00000	1.88	
72 o-Xylene	106	7.934	7.937	(1.060)	2174	1.00000	0.818	
73 Styrene	104	7.955	7.953	(1.063)	3419	1.00000	0.772	
75 Isopropylbenzene	105	8.180	8.178	(1.093)	6768	1.00000	0.885	
\$ 76 4-Bromofluorobenzene	95	8.290	8.293	(1.108)	104762	50.00000	49.4	
77 Bromobenzene	77	8.374	8.371	(1.119)	2683	1.00000	0.891	
82 n-Propylbenzene	91	8.436	8.434	(0.941)	8420	1.00000	0.894	
83 2-Chlorotoluene	91	8.489	8.486	(0.947)	5483	1.00000	0.952	
84 1,3,5-Trimethylbenzene	105	8.546	8.544	(0.953)	5864	1.00000	0.893	
85 4-Chlorotoluene	126	8.562	8.560	(0.955)	1523	1.00000	0.886	
86 tert-Butylbenzene	119	8.724	8.722	(0.973)	5276	1.00000	0.869	
87 1,2,4-Trimethylbenzene	105	8.761	8.758	(0.977)	5439	1.00000	0.852	
88 sec-Butylbenzene	105	8.849	8.847	(0.987)	7571	1.00000	0.873	
89 1,3-Dichlorobenzene	146	8.923	8.920	(0.995)	3403	1.00000	0.960	
90 p-Isopropyltoluene	119	8.938	8.936	(0.997)	6360	1.00000	0.877	
* 91 1,4-Dichlorobenzene-d4 (IS)	152	8.964	8.967	(1.000)	111304	50.00000		
92 1,4-Dichlorobenzene	146	8.980	8.978	(1.002)	3214	1.00000	0.955 (Q)	
93 n-Butylbenzene	91	9.158	9.150	(1.022)	6432	1.00000	0.849	
94 1,2-Dichlorobenzene	146	9.174	9.171	(1.023)	2940	1.00000	0.962	
96 1,2,4-Trichlorobenzene	180	10.000	9.992	(1.115)	2277	1.00000	0.895	
97 Hexachlorobutadiene	225	10.068	10.060	(1.123)	2105	1.00000	0.964	
98 Naphthalene	128	10.151	10.144	(1.132)	2384	1.00000	0.789 (M)	NI
99 1,2,3-Trichlorobenzene	180	10.266	10.259	(1.145)	2048	1.00000	0.929 (M)	WP
100 2,methyl-naphthalene	142	10.805	10.797	(1.205)	842	1.00000	1.03	

QC Flag Legend

- T - Target compound detected outside RT window.
- Q - Qualifier signal failed the ratio test.
- M - Compound response manually integrated.

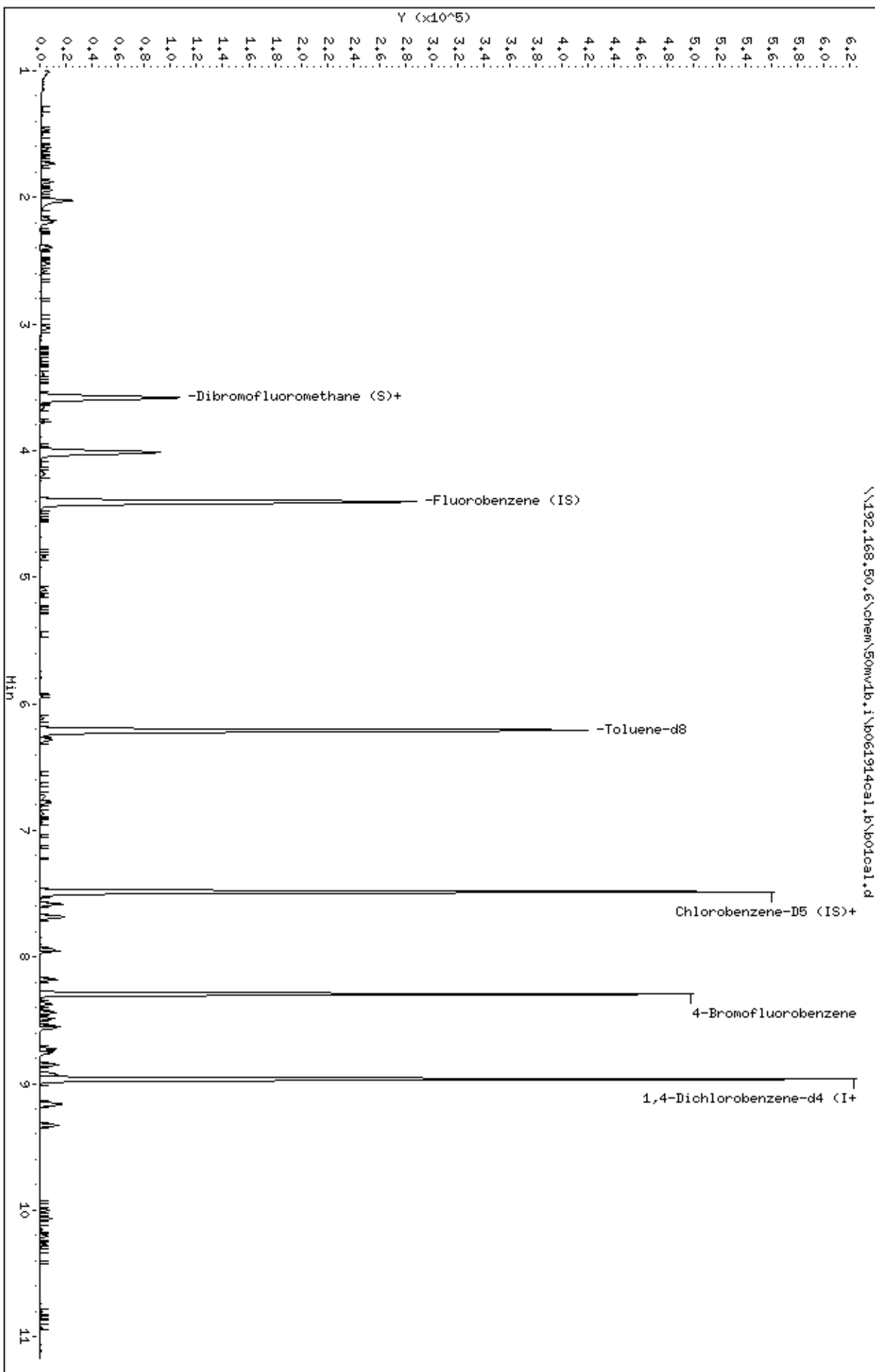
QC Flag Legend

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.

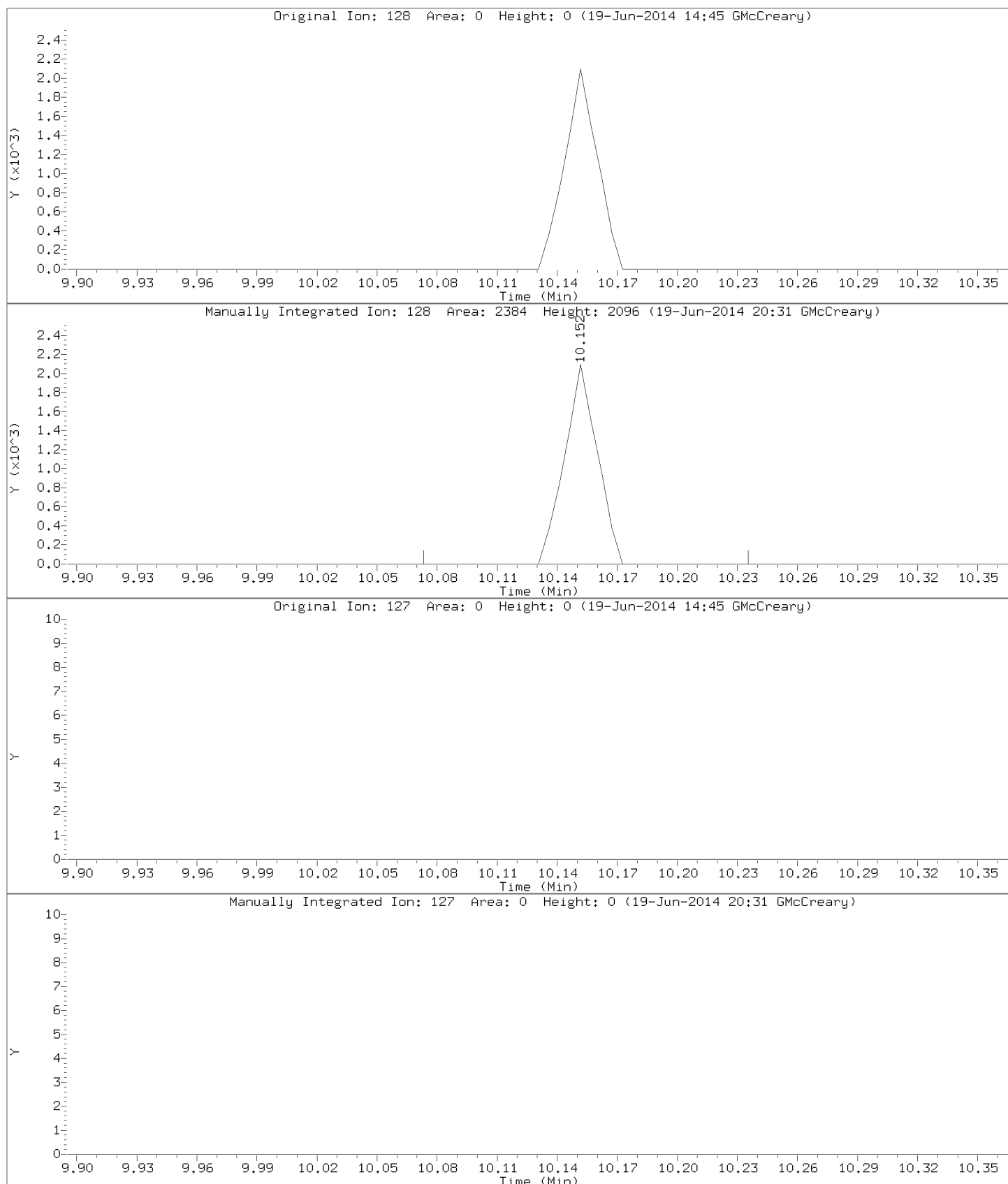
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Sample Info: 8260-CAL1,71097:0
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50mw\lb.i
Operator: grm
Column diameter: 0.18



Data File: \\192.168.50.6\chem\50mvlb.i\b061914cal.b\b01cal.d
Injection Date: 19-JUN-2014 14:06
Instrument: 50mvlb.i
Lab Sample ID: 8260-CAL1,71097:0

Compound: Naphthalene
CAS Number: 91-20-3



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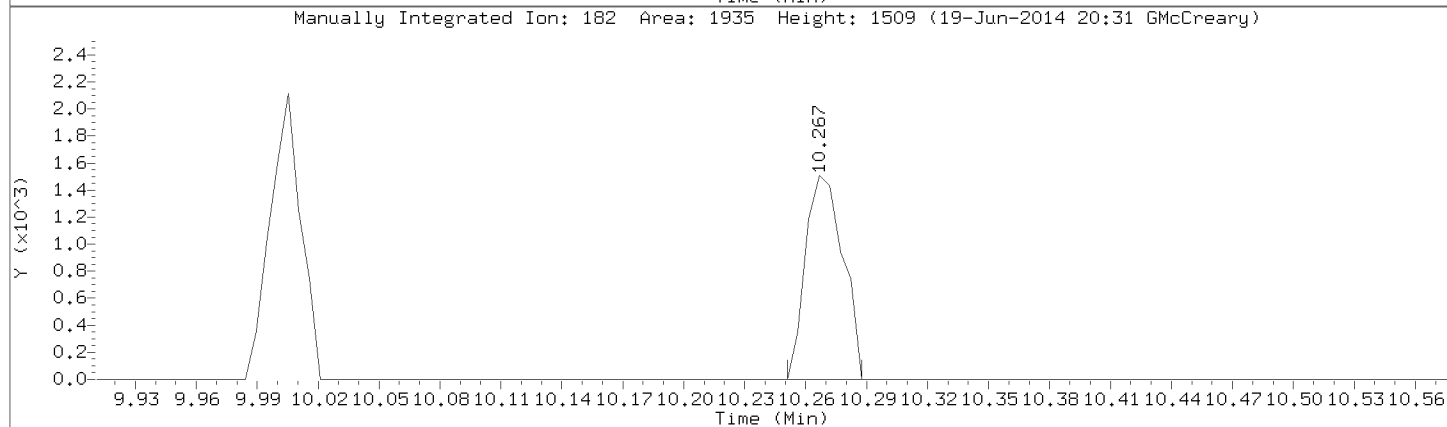
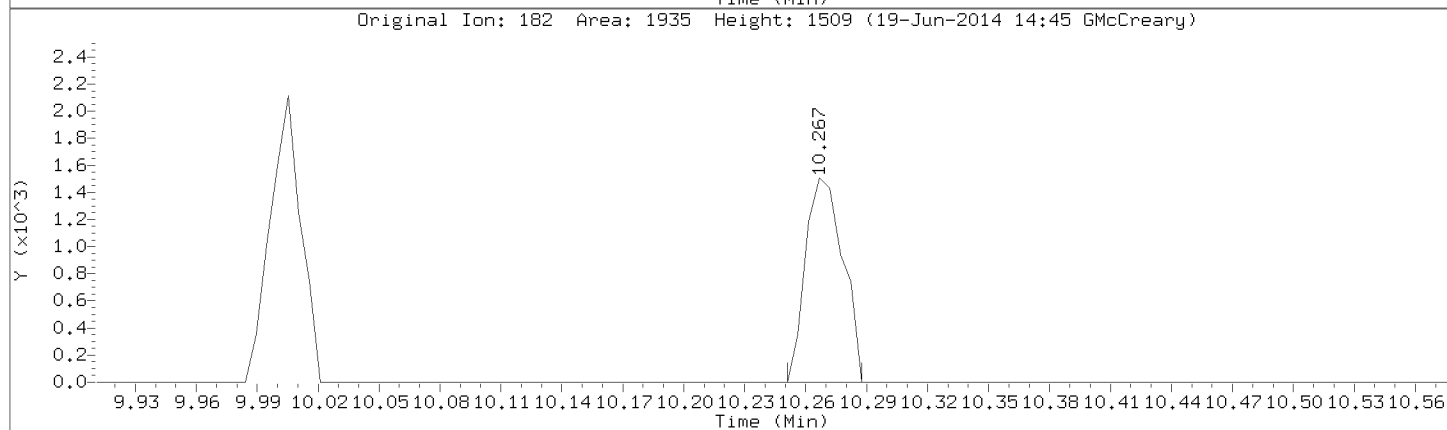
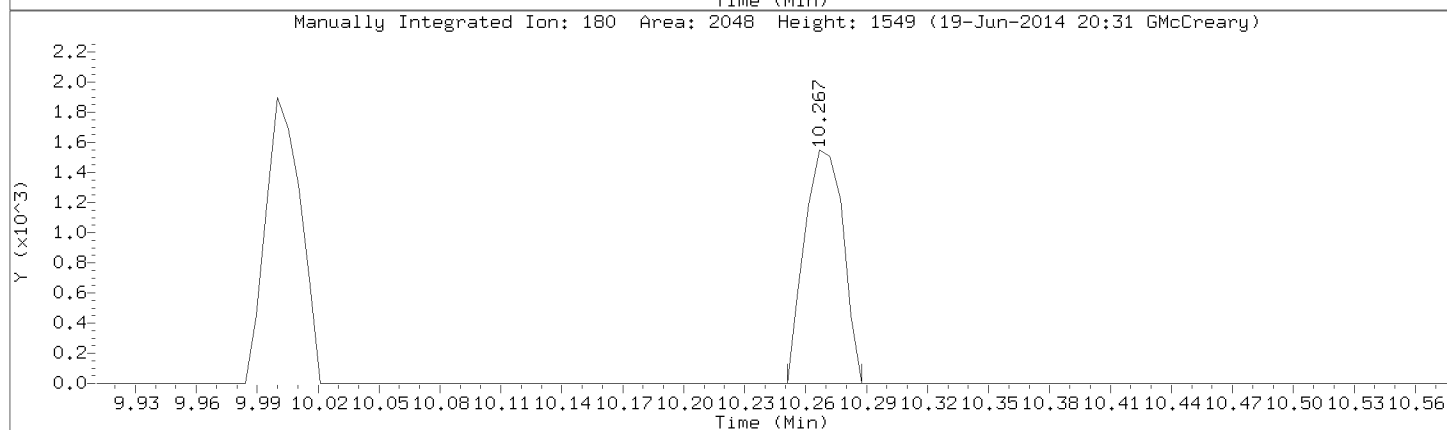
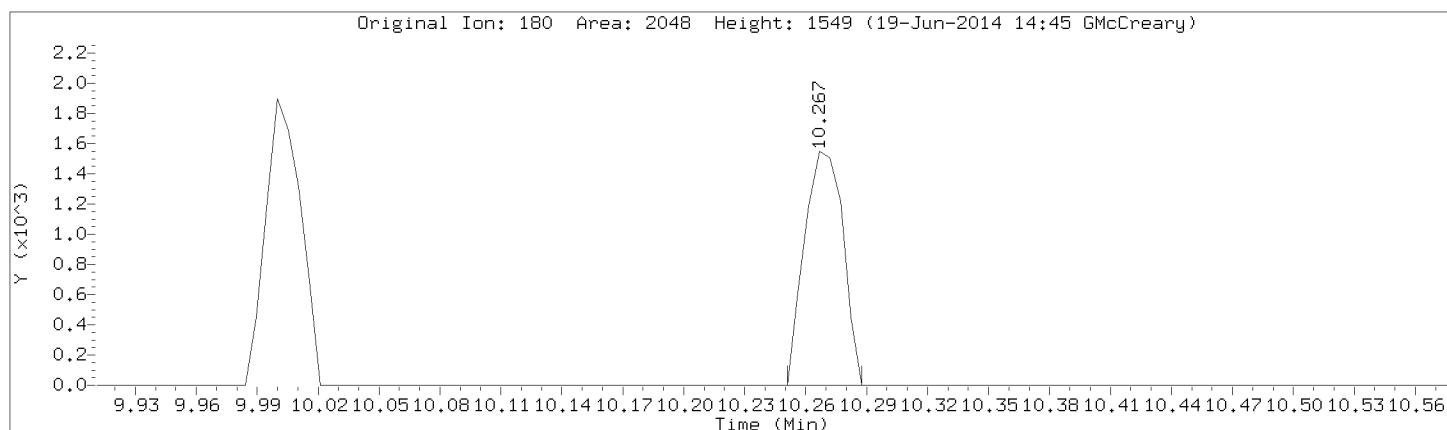
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Instrument: 50mvlb.i

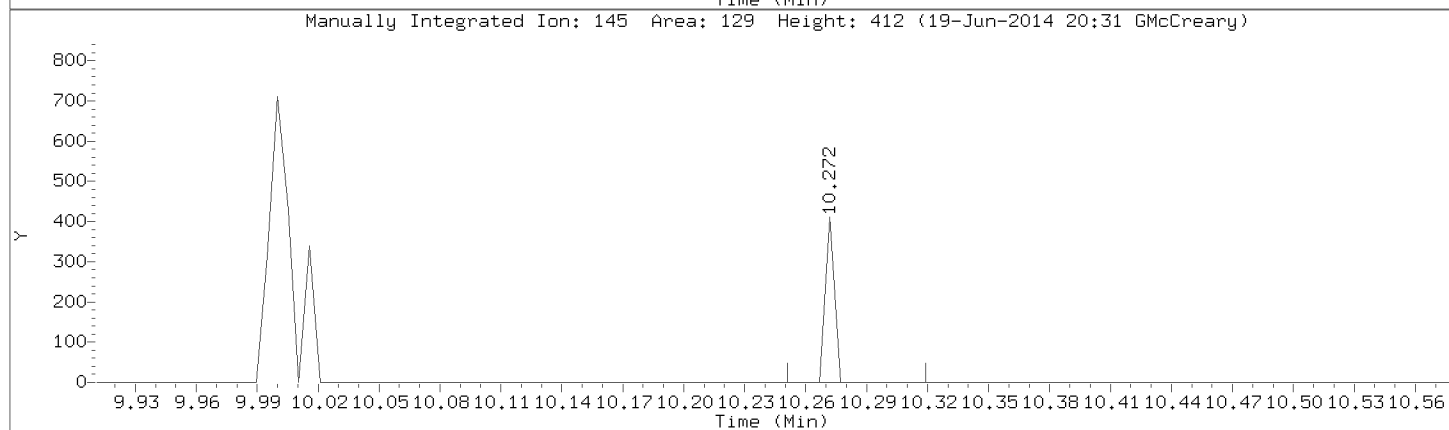
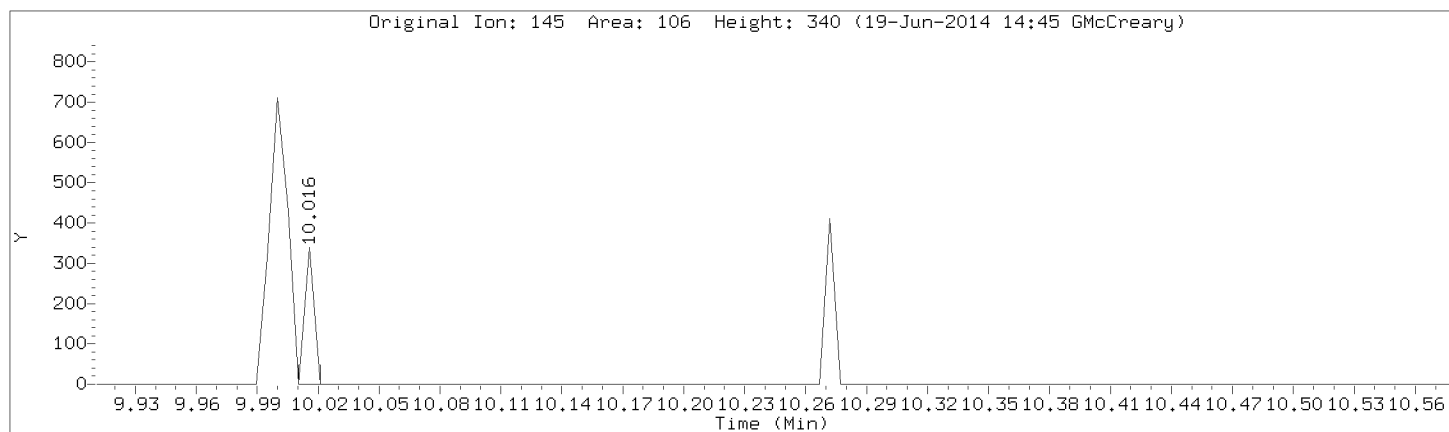
Lab Sample ID: 8260-CAL1,71097:0

Compound: 1,2,3-Trichlorobenzene

CAS Number: 87-61-6



Data File: \\192.168.50.6\chem\50mvlb.i\b061914cal.b\b01cal.d
Injection Date: 19-JUN-2014 14:06
Instrument: 50mvlb.i
Lab Sample ID: 8260-CAL1,71097:0



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Data file : \\192.168.50.6\chem\50mv1b.i\b061914cal.b\b02cal.d
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 Operator : grm Inst ID: 50mv1b.i
 Smp Info : 8260-cal2,71098:0
 Misc Info : 65942
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 Meth Date : 20-Jun-2014 09:15 hbanter Quant Type: ISTD
 Cal Date : 02-JUN-2014 17:56 Cal File: b09cal.d
 Als bottle: 6 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	MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS		REVIEW C
								CAL-AMT (ppb)	ON-COL (ppb)	
1 Dichlorodifluoromethane	85			1.009	1.010	(0.229)	4052	2.00000	1.80(T)	
2 Chloromethane	50			1.119	1.120	(0.254)	3316	2.00000	1.89	
3 Vinyl Chloride	62			1.145	1.146	(0.260)	3315	2.00000	1.86	
4 Bromomethane	94			1.302	1.303	(0.295)	1556	2.00000	3.43	
5 Chloroethane	64			1.349	1.350	(0.306)	2107	2.00000	1.95	
6 Trichlorofluoromethane	101			1.469	1.470	(0.333)	5808	2.00000	1.99	
7 Diethyl ether	74			1.600	1.601	(0.363)	1225	2.00000	2.12	
8 1,2-dichlorotrifluoroethane	67			1.621	1.617	(0.368)	4061	2.00000	1.96	
9 Acrolein	56			1.678	1.680	(0.381)	2928	40.00000	39.8	
10 1,1,2trichlorotrifluoroethane	101			1.731	1.732	(0.393)	3107	2.00000	1.90	
11 1,1-Dichloroethene	96			1.736	1.737	(0.394)	2681	2.00000	1.97(Q)	
12 Acetone	43			1.746	1.747	(0.396)	2534	10.00000	16.4	
14 Carbon Disulfide	76			1.882	1.883	(0.427)	17781	4.00000	4.04	
16 Acetonitrile	39			1.945	1.946	(0.441)	6134	40.00000	40.3	
17 allyl chloride	41			1.945	1.946	(0.441)	7139	4.00000	4.02	
18 Methylene Chloride	84			2.023	2.025	(0.459)	20937	2.00000		
20 Acrylonitrile	53			2.170	2.171	(0.492)	7133	40.00000	40.9	
21 Methyl-tert-butyl ether	73			2.191	2.192	(0.497)	10790	4.00000	4.40	
22 1,2-Dichloroethene (trans)	96			2.206	2.208	(0.501)	2906	2.00000	2.02	
24 n-Hexane	57			2.395	2.396	(0.543)	5351	2.00000	2.28	
25 Vinyl Acetate	43			2.520	2.521	(0.572)	9554	8.00000	7.88	
26 1,1-Dichloroethane	63			2.525	2.532	(0.573)	5617	2.00000	2.13	
29 1,2-Dichloroethene (cis)	96			3.038	3.034	(0.689)	3242	2.00000	2.10	

Compounds	QUANT	SIG						AMOUNTS		REVIEW C
			MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ppb)	ON-COL (ppb)	
30 2,2-Dichloropropane	77		3.038	3.039	(0.689)	3420	2.00000	1.83		
33 Bromochloromethane	49		3.273	3.279	(0.743)	1447	2.00000	2.02		
35 Chloroform	83		3.393	3.400	(0.770)	5550	2.00000	1.98		
37 1,1,1-Trichloroethane	97		3.576	3.577	(0.811)	4338	2.00000	1.85		
\$ 38 Dibromofluoromethane (S)	113		3.587	3.583	(0.814)	63247	50.00000	51.8		
39 Cyclohexane	56		3.655	3.661	(0.829)	3556	2.00000	1.66		
40 Carbon Tetrachloride	117		3.759	3.771	(0.853)	2880	2.00000	1.53		
41 1,1-Dichloropropene	75		3.775	3.776	(0.856)	4145	2.00000	1.82		
42 Benzene	78		4.026	4.027	(0.913)	10870	2.00000	1.93		
45 2,2,4-Trimethylpentane	57		4.188	4.184	(0.950)	8602	2.00000	1.64		
* 46 Fluorobenzene (IS)	96		4.407	4.409	(1.000)	256258	50.00000			
47 Trichloroethene	95		4.841	4.842	(1.098)	3531	2.00000	2.14		
48 Methylcyclohexane	55		5.103	5.099	(1.158)	3275	2.00000	1.71		
49 1,2-Dichloropropane	63		5.145	5.146	(1.167)	2378	2.00000	1.89		
50 Dibromomethane	93		5.244	5.240	(1.190)	1213	2.00000	2.03		
55 cis-1,3-Dichloropropene	75		5.944	5.940	(0.794)	2626	2.00000	1.45		
56 4-Methyl-2-Pentanone	43		6.117	6.113	(0.817)	4151	10.00000	8.21		
\$ 57 Toluene-d8	98		6.211	6.212	(0.830)	255279	50.00000	50.7		
58 Toluene	91		6.289	6.285	(0.840)	13213	2.00000	2.10		
59 trans-1,3-Dichloropropene	75		6.556	6.552	(0.876)	1658	2.00000	4.19		
61 1,1,2-Trichloroethane	83		6.729	6.730	(0.899)	1391	2.00000	1.87		
62 Tetrachloroethene	166		6.776	6.777	(0.905)	4130	2.00000	2.11		
63 1,3-Dichloropropane	76		6.870	6.866	(0.918)	3550	2.00000	2.12		
65 Dibromochloromethane	129		7.053	7.043	(0.942)	1403	2.00000	1.46		
66 1,2-Dibromoethane	107		7.131	7.127	(0.953)	1279	2.00000	1.61 (Q)		
* 67 Chlorobenzene-D5 (IS)	117		7.487	7.488	(1.000)	191559	50.00000			
68 Chlorobenzene	112		7.508	7.509	(1.003)	7623	2.00000	1.98		
69 1,1,1,2-Tetrachloroethane	131		7.581	7.582	(1.013)	1831	2.00000	1.51		
70 Ethylbenzene	106		7.586	7.587	(1.013)	4116	2.00000	1.87		
71 m&p-Xylene	106		7.685	7.681	(1.027)	10554	4.00000	3.93		
72 o-Xylene	106		7.942	7.937	(1.061)	4730	2.00000	1.85		
73 Styrene	104		7.957	7.953	(1.063)	7859	2.00000	1.84		
75 Isopropylbenzene	105		8.182	8.178	(1.093)	14247	2.00000	1.94		
\$ 76 4-Bromofluorobenzene	95		8.292	8.293	(1.108)	101892	50.00000	50.0		
77 Bromobenzene	77		8.375	8.371	(1.119)	6225	2.00000	2.15		
80 trans-1,4-Dichloro-2-butene	53		8.402	8.398	(1.122)	466	2.00000	2.32 (QM)	WP	
81 1,2,3-Trichloropropane	110		8.412	8.413	(0.938)	551	2.00000	1.72		
82 n-Propylbenzene	91		8.438	8.434	(0.941)	18546	2.00000	1.96		
83 2-Chlorotoluene	91		8.490	8.486	(0.947)	11083	2.00000	1.92		
84 1,3,5-Trimethylbenzene	105		8.543	8.544	(0.953)	12092	2.00000	1.84		
85 4-Chlorotoluene	126		8.564	8.560	(0.955)	3253	2.00000	1.88		
86 tert-Butylbenzene	119		8.726	8.722	(0.973)	11351	2.00000	1.86		
87 1,2,4-Trimethylbenzene	105		8.762	8.758	(0.977)	12351	2.00000	1.93		
88 sec-Butylbenzene	105		8.851	8.847	(0.987)	15663	2.00000	1.80		
89 1,3-Dichlorobenzene	146		8.919	8.920	(0.995)	7350	2.00000	2.07		
90 p-Isopropyltoluene	119		8.935	8.936	(0.997)	13329	2.00000	1.83		
* 91 1,4-Dichlorobenzene-d4 (IS)	152		8.966	8.967	(1.000)	111645	50.00000			
92 1,4-Dichlorobenzene	146		8.977	8.978	(1.001)	6919	2.00000	2.05 (Q)		
93 n-Butylbenzene	91		9.154	9.150	(1.021)	13319	2.00000	1.75		
94 1,2-Dichlorobenzene	146		9.170	9.171	(1.023)	6207	2.00000	2.02		
96 1,2,4-Trichlorobenzene	180		10.001	9.992	(1.115)	4961	2.00000	1.94		
97 Hexachlorobutadiene	225		10.059	10.060	(1.122)	4030	2.00000	1.84		
98 Naphthalene	128		10.148	10.144	(1.132)	5109	2.00000	1.68		
99 1,2,3-Trichlorobenzene	180		10.263	10.259	(1.145)	4291	2.00000	1.94		

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS		REVIEW C
						CAL-AMT (ppb)	ON-COL (ppb)	
100 2,methyl-naphthalene	142	10.801	10.797	(1.205)	2597	2.00000	2.00	

QC Flag Legend

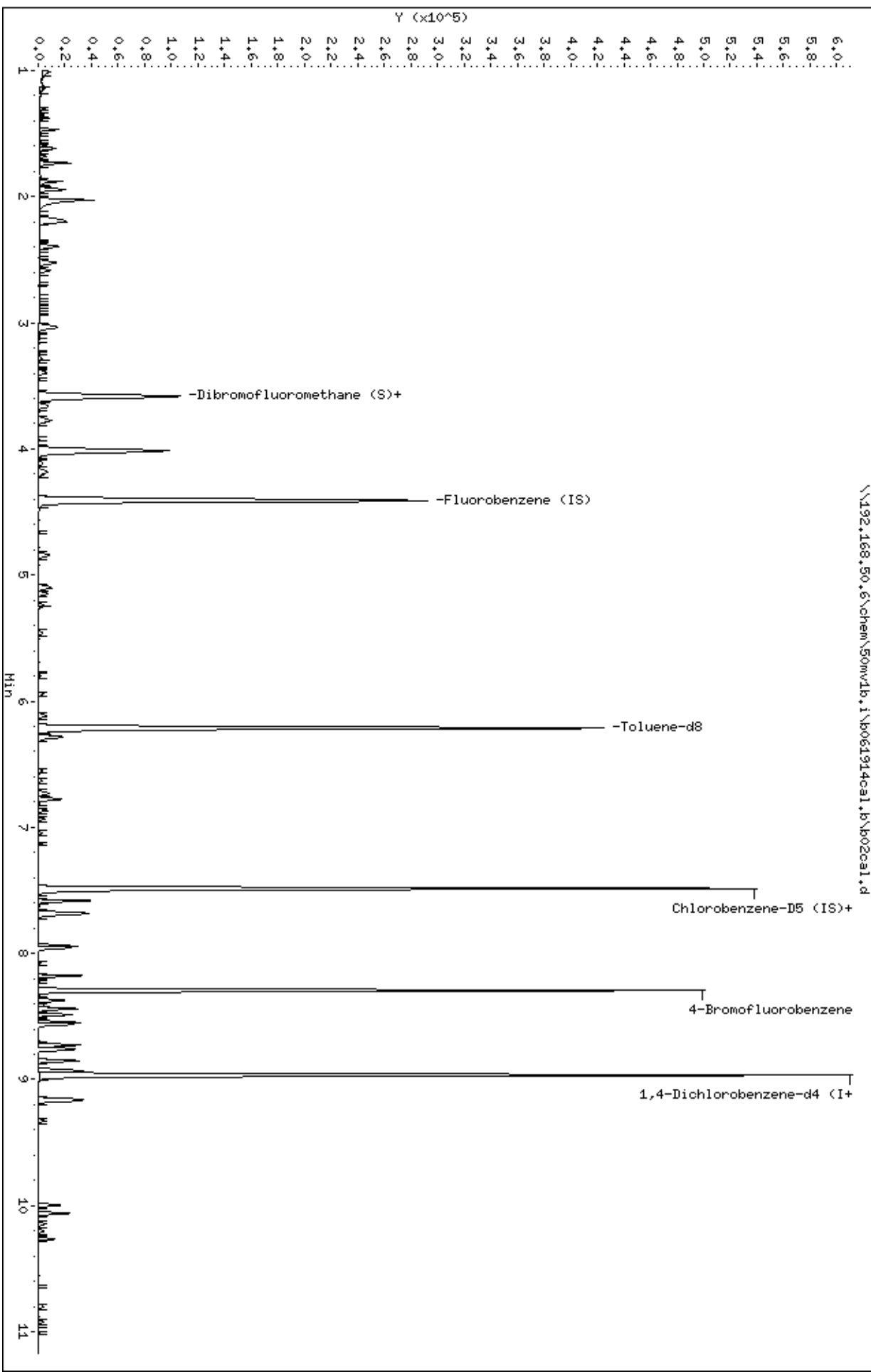
- T - Target compound detected outside RT window.
- Q - Qualifier signal failed the ratio test.
- M - Compound response manually integrated.

Review Codes Legend

- :
 WP: Indicates that the wrong peak was chosen by the data system.

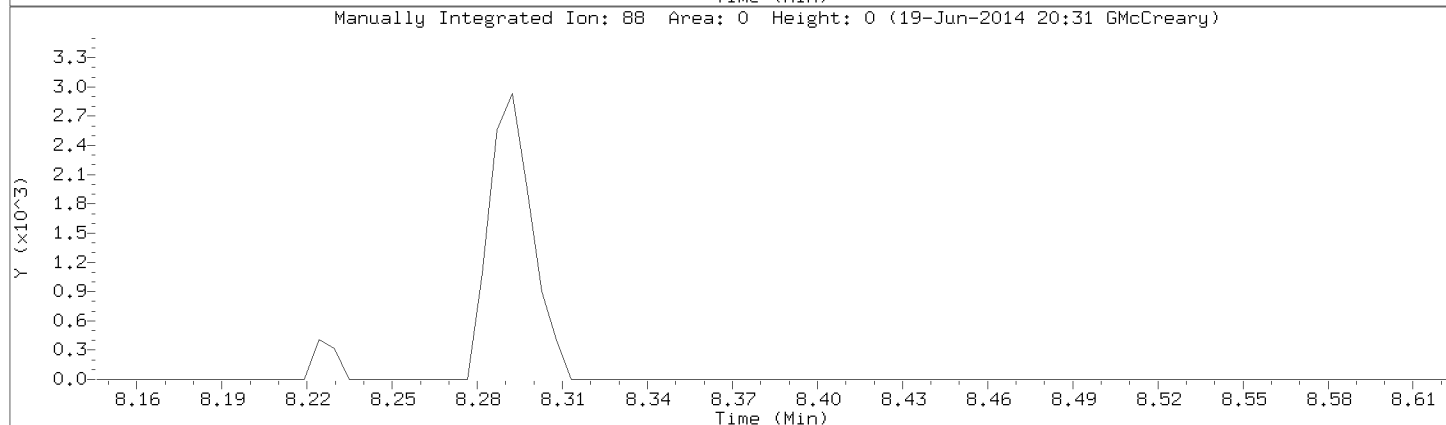
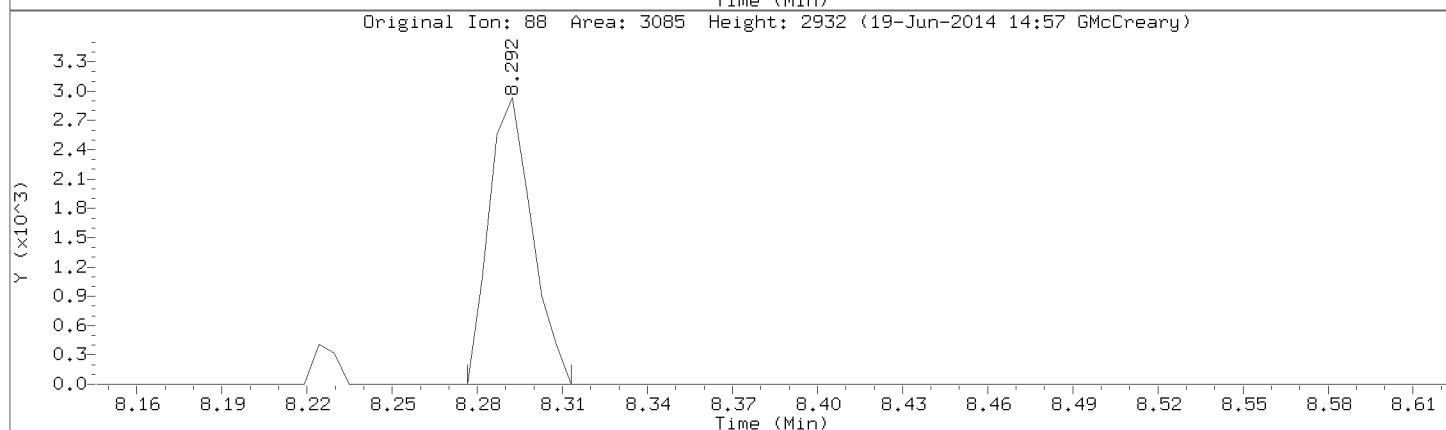
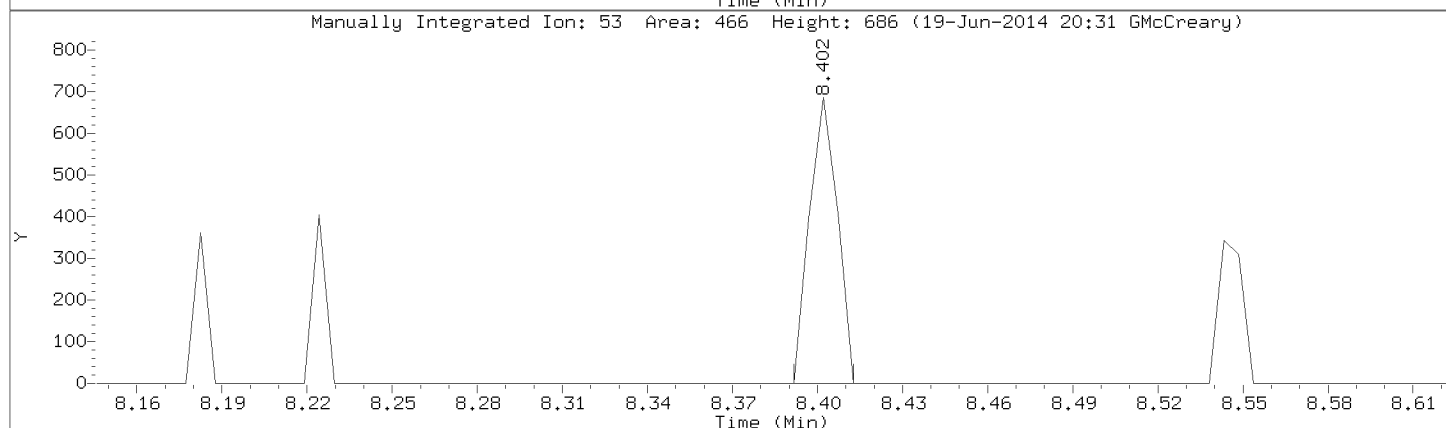
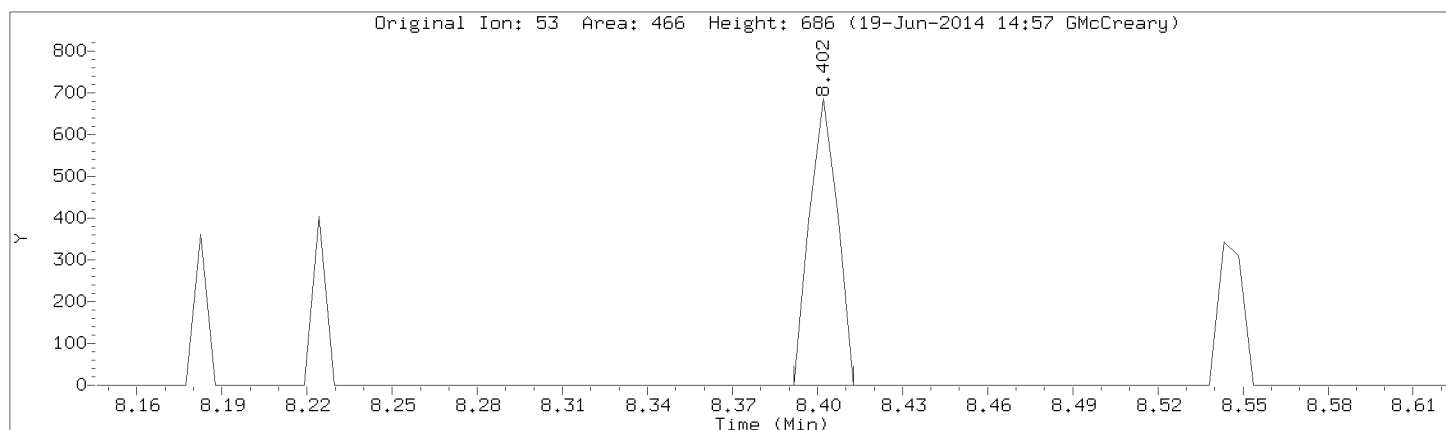
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Instrument: 50mvlb.1
Operator: grm
Column diameter: 0.18

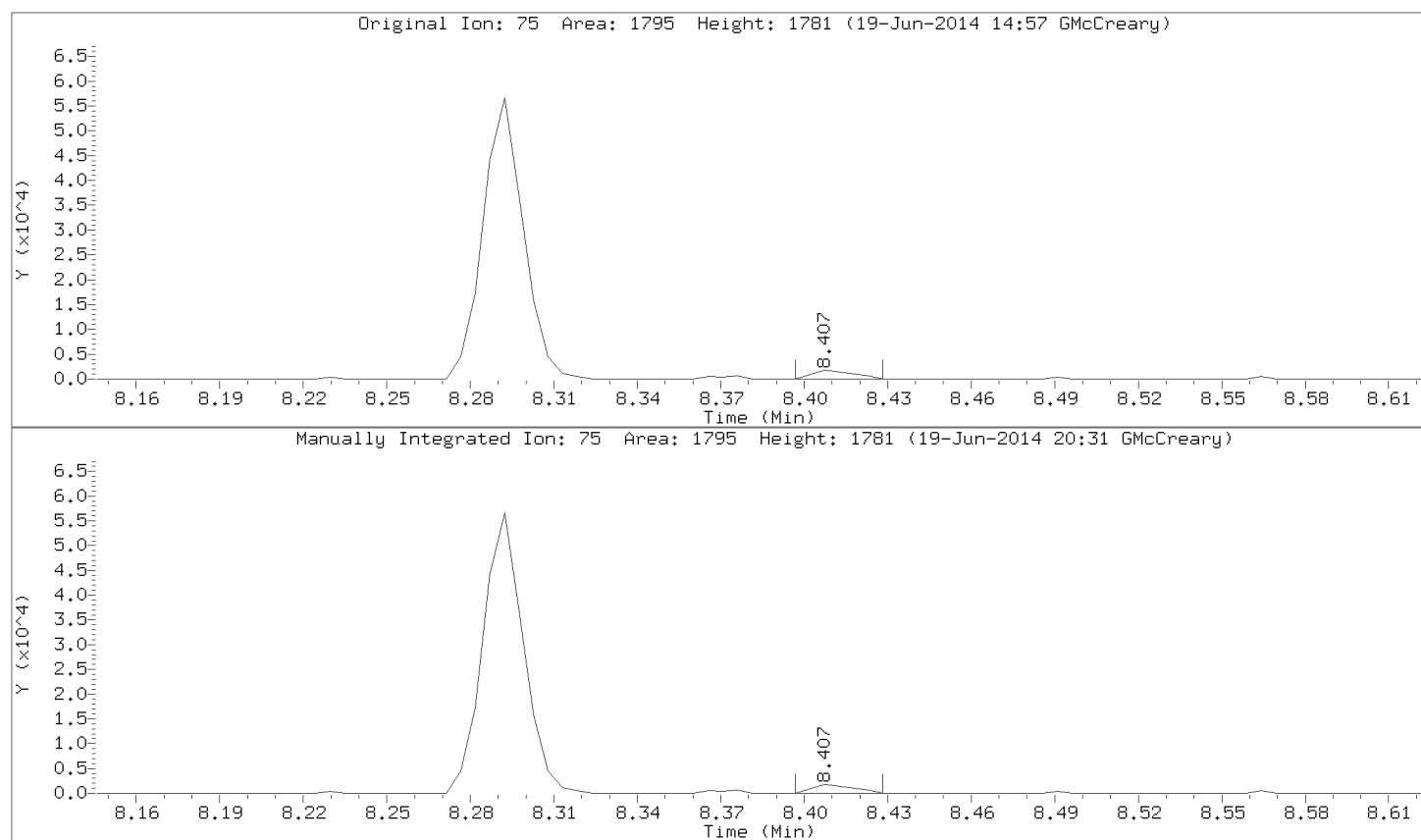


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Instrument: 50mvlb.i
Lab Sample ID: 8260-CAL2,71098:0

Compound: trans-1,4-Dichloro-2-butene
CAS Number:



Data File: \\192.168.50.6\chem\50mvlb.i\b061914cal.b\b02cal.d
Injection Date: 19-JUN-2014 14:40
Instrument: 50mvlb.i
Lab Sample ID: 8260-CAL2,71098:0



Pace Analytical Services, Inc.

Data file : \\192.168.50.6\chem\50mv1b.i\b061914cal.b\b03cal.d
 Lab Smp Id: 8260-CAL3,71099:0 Client Smp ID: 8260-CAL3,71099:0
 Inj Date : 19-JUN-2014 15:13
 Operator : grm Inst ID: 50mv1b.i
 Smp Info : 8260-cal3,71099:0
 Misc Info : 65942
 Comment :
 Method : \\192.168.50.6\chem\50mv1b.i\b061914cal.b\b8260_a_c.m
 Meth Date : 20-Jun-2014 09:15 hbanter Quant Type: ISTD
 Cal Date : 02-JUN-2014 17:56 Cal File: b09cal.d
 Als bottle: 8 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	MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS		REVIEW C
								CAL-AMT (ppb)	ON-COL (ppb)	
1 Dichlorodifluoromethane	85			1.008	1.010	(0.229)	11698	5.00000	5.01	
2 Chloromethane	50			1.118	1.120	(0.254)	8696	5.00000	4.78	
3 Vinyl Chloride	62			1.149	1.146	(0.261)	9079	5.00000	4.92	
4 Bromomethane	94			1.301	1.303	(0.295)	4279	5.00000	5.63	
5 Chloroethane	64			1.353	1.350	(0.307)	5599	5.00000	5.01	
6 Trichlorofluoromethane	101			1.468	1.470	(0.333)	14670	5.00000	4.85	
7 Diethyl ether	74			1.599	1.601	(0.363)	2811	5.00000	4.69	
8 1,2-dichlorotrifluoroethane	67			1.620	1.617	(0.368)	10508	5.00000	4.90	
9 Acrolein	56			1.677	1.680	(0.381)	7316	100.000	96.2	
10 1,1,2trichlorotrifluoroethane	101			1.735	1.732	(0.394)	8754	5.00000	5.18	
11 1,1-Dichloroethene	96			1.735	1.737	(0.394)	6525	5.00000	4.63	
12 Acetone	43			1.750	1.747	(0.397)	5083	25.0000	31.9	
13 Iodomethane	142			1.834	1.831	(0.416)	4203	10.0000	11.2	
14 Carbon Disulfide	76			1.881	1.883	(0.427)	46286	10.0000	10.2	
15 Methyl Acetate	43			1.928	1.925	(0.438)	1822	5.00000	5.00	
16 Acetonitrile	39			1.944	1.946	(0.441)	15886	100.000	101	
17 allyl chloride	41			1.944	1.946	(0.441)	18762	10.0000	10.2	
18 Methylene Chloride	84			2.027	2.025	(0.460)	24401	5.00000	1.18	
19 tert-Butyl Alcohol	59			2.069	2.072	(0.470)	222	10.0000	4.73 (M)	WP
20 Acrylonitrile	53			2.169	2.171	(0.492)	18166	100.000	101	
21 Methyl-tert-butyl ether	73			2.195	2.192	(0.498)	26980	10.0000	10.6	
22 1,2-Dichloroethene (trans)	96			2.205	2.208	(0.501)	7510	5.00000	5.04	
24 n-Hexane	57			2.393	2.396	(0.543)	11783	5.00000	4.86	

Compounds	QUANT	SIG						AMOUNTS		REVIEW C
			MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ppb)	ON-COL (ppb)	
25 Vinyl Acetate	43		2.519	2.521	(0.572)	24949	20.0000	19.9		
26 1,1-Dichloroethane	63		2.529	2.532	(0.574)	13677	5.00000	5.01		
27 Chloroprene	53		2.587	2.584	(0.587)	11905	5.00000	4.88		
28 2-Butanone	43		3.026	3.023	(0.687)	6875	25.0000	28.2 (M)	NI	
29 1,2-Dichloroethene (cis)	96		3.036	3.034	(0.689)	7830	5.00000	4.90		
30 2,2-Dichloropropane	77		3.036	3.039	(0.689)	8455	5.00000	4.38		
32 Methacrylonitrile	41		3.240	3.237	(0.735)	1435	25.0000	20.8 (M)	WP	
33 Bromochloromethane	49		3.277	3.279	(0.744)	4336	5.00000	5.86		
34 Tetrahydrofuran	42		3.308	3.300	(0.751)	439	5.00000	3.74 (M)	NI	
35 Chloroform	83		3.397	3.400	(0.771)	14789	5.00000	5.10		
37 1,1,1-Trichloroethane	97		3.575	3.577	(0.811)	11000	5.00000	4.52		
\$ 38 Dibromofluoromethane (S)	113		3.585	3.583	(0.814)	65224	50.0000	51.6		
39 Cyclohexane	56		3.664	3.661	(0.832)	9592	5.00000	4.33		
40 Carbon Tetrachloride	117		3.768	3.771	(0.855)	8400	5.00000	4.32		
41 1,1-Dichloropropene	75		3.779	3.776	(0.858)	11318	5.00000	4.81		
42 Benzene	78		4.024	4.027	(0.913)	28576	5.00000	4.90		
43 1,2-Dichloroethane	62		4.108	4.116	(0.932)	9156	5.00000	5.18		
44 Isobutyl alcohol	43		4.181	4.184	(0.949)	3871	5.00000	4.13		
45 2,2,4-Trimethylpentane	57		4.181	4.184	(0.949)	23609	5.00000	4.35		
* 46 Fluorobenzene (IS)	96		4.406	4.409	(1.000)	265154	50.0000			
47 Trichloroethene	95		4.840	4.842	(1.098)	8125	5.00000	4.75		
48 Methylcyclohexane	55		5.096	5.099	(1.157)	8626	5.00000	4.35		
49 1,2-Dichloropropane	63		5.143	5.146	(1.167)	6394	5.00000	4.92		
50 Dibromomethane	93		5.237	5.240	(1.189)	2843	5.00000	4.60		
52 Methyl methacrylate	69		5.253	5.255	(1.192)	1768	5.00000	3.66		
53 Bromodichloromethane	83		5.457	5.459	(1.238)	8390	5.00000	4.53		
54 2-Chloroethyl vinyl ether	63		5.797	5.799	(0.774)	2450	10.0000	11.1		
55 cis-1,3-Dichloropropene	75		5.943	5.940	(0.794)	7273	5.00000	3.90		
56 4-Methyl-2-Pentanone	43		6.116	6.113	(0.817)	11948	25.0000	22.9		
\$ 57 Toluene-d8	98		6.210	6.212	(0.830)	263368	50.0000	50.8		
58 Toluene	91		6.283	6.285	(0.839)	32920	5.00000	5.07		
59 trans-1,3-Dichloropropene	75		6.550	6.552	(0.875)	4846	5.00000	6.08		
60 Ethyl Methacrylate	69		6.628	6.625	(0.885)	4499	5.00000	4.09 (M)	NI	
61 1,1,2-Trichloroethane	83		6.727	6.730	(0.899)	3800	5.00000	4.95		
62 Tetrachloroethene	166		6.774	6.777	(0.905)	10705	5.00000	5.30		
63 1,3-Dichloropropane	76		6.863	6.866	(0.917)	9089	5.00000	5.26		
64 2-Hexanone	43		6.931	6.928	(0.926)	7439	25.0000	20.8		
65 Dibromochloromethane	129		7.041	7.043	(0.941)	4162	5.00000	4.21		
66 1,2-Dibromoethane	107		7.125	7.127	(0.952)	4050	5.00000	4.94		
* 67 Chlorobenzene-D5 (IS)	117		7.485	7.488	(1.000)	197370	50.0000			
68 Chlorobenzene	112		7.506	7.509	(1.003)	19947	5.00000	5.02		
69 1,1,1,2-Tetrachloroethane	131		7.579	7.582	(1.013)	5607	5.00000	4.48		
70 Ethylbenzene	106		7.585	7.587	(1.013)	11081	5.00000	4.90		
71 m&p-Xylene	106		7.679	7.681	(1.026)	27828	10.0000	10.0		
72 o-Xylene	106		7.940	7.937	(1.061)	13356	5.00000	5.07		
73 Styrene	104		7.956	7.953	(1.063)	21457	5.00000	4.89		
74 Bromoform	173		8.071	8.079	(0.900)	2192	5.00000	6.94 (M)	NI	
75 Isopropylbenzene	105		8.181	8.178	(1.093)	37969	5.00000	5.01		
\$ 76 4-Bromofluorobenzene	95		8.291	8.293	(1.108)	107661	50.0000	51.3		
77 Bromobenzene	77		8.369	8.371	(1.118)	14838	5.00000	4.98		
79 1,1,2,2-Tetrachloroethane	83		8.379	8.382	(0.935)	5056	5.00000	4.83		
80 trans-1,4-Dichloro-2-butene	53		8.400	8.398	(1.122)	777	5.00000	3.75 (QM)	WP	
81 1,2,3-Trichloropropane	110		8.411	8.413	(0.938)	1676	5.00000	5.14		
82 n-Propylbenzene	91		8.437	8.434	(0.941)	48415	5.00000	5.04		

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS		REVIEW C
						CAL-AMT (ppb)	ON-COL (ppb)	
83 2-Chlorotoluene	91	8.489	8.486 (0.947)		30538	5.00000	5.19	
84 1,3,5-Trimethylbenzene	105	8.547	8.544 (0.953)		33377	5.00000	4.98	
85 4-Chlorotoluene	126	8.562	8.560 (0.955)		8635	5.00000	4.92	
86 tert-Butylbenzene	119	8.724	8.722 (0.973)		29841	5.00000	4.81	
87 1,2,4-Trimethylbenzene	105	8.761	8.758 (0.977)		33744	5.00000	5.18	
88 sec-Butylbenzene	105	8.850	8.847 (0.987)		42922	5.00000	4.84	
89 1,3-Dichlorobenzene	146	8.923	8.920 (0.995)		18174	5.00000	5.02	
90 p-Isopropyltoluene	119	8.934	8.936 (0.997)		37760	5.00000	5.10	
* 91 1,4-Dichlorobenzene-d4 (IS)	152	8.965	8.967 (1.000)		113676	50.00000		
92 1,4-Dichlorobenzene	146	8.981	8.978 (1.002)		17045	5.00000	4.96	
93 n-Butylbenzene	91	9.153	9.150 (1.021)		36499	5.00000	4.72	
94 1,2-Dichlorobenzene	146	9.169	9.171 (1.023)		15970	5.00000	5.11	
95 1,2-Dibromo-3-chloropropane	155	9.582	9.579 (1.069)		438	5.00000	8.15	
96 1,2,4-Trichlorobenzene	180	10.000	9.992 (1.115)		12532	5.00000	4.82	
97 Hexachlorobutadiene	225	10.063	10.060 (1.122)		10740	5.00000	4.82	
98 Naphthalene	128	10.146	10.144 (1.132)		13111	5.00000	4.25	
99 1,2,3-Trichlorobenzene	180	10.267	10.259 (1.145)		10836	5.00000	4.81	
100 2,methyl-naphthalene	142	10.800	10.797 (1.205)		6709	5.00000	4.21	
101 1-methylnaphthalene	142	10.920	10.917 (1.218)		5246	5.00000	4.56	

QC Flag Legend

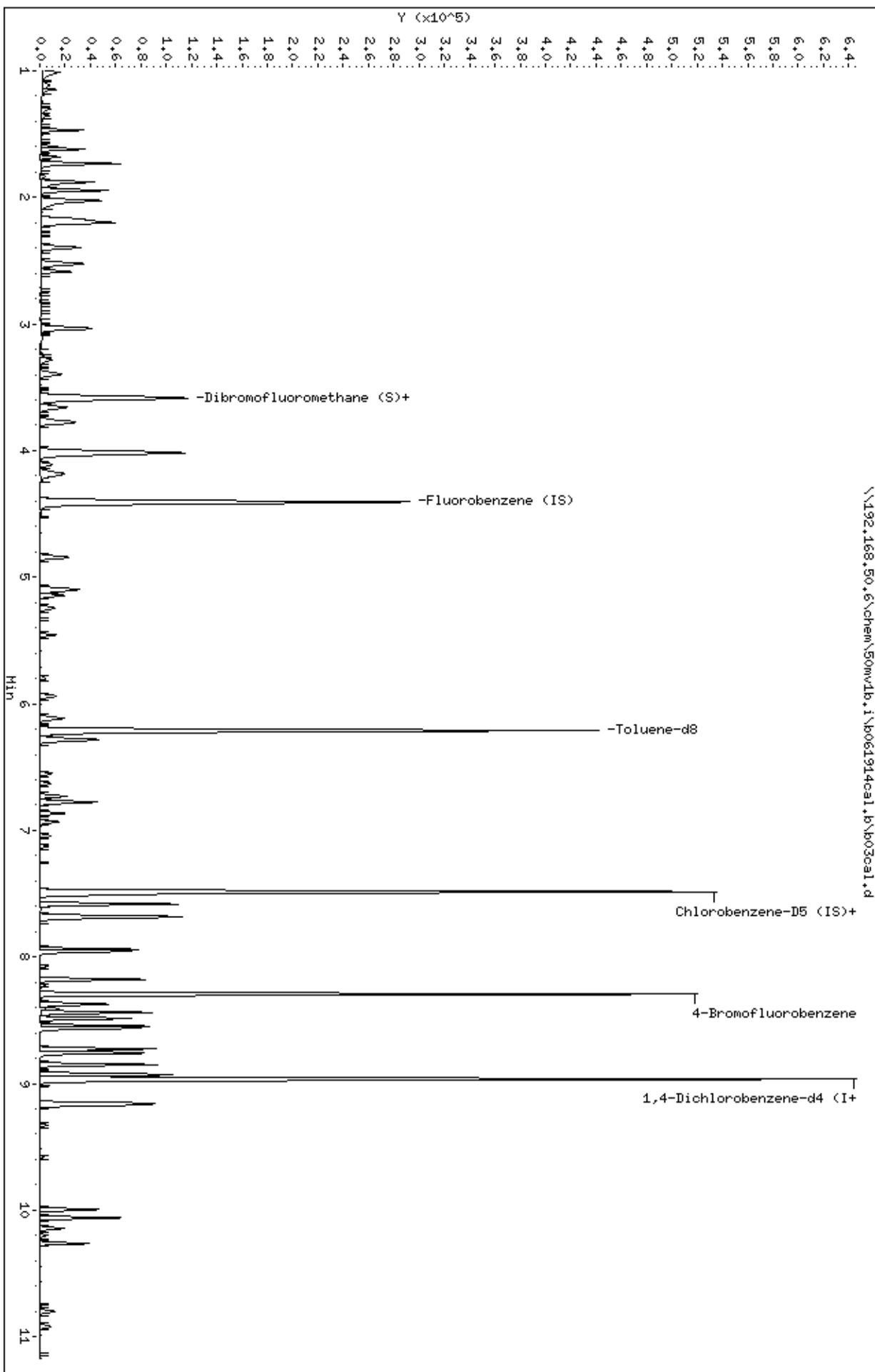
Q - Qualifier signal failed the ratio test.
 M - Compound response manually integrated.

Review Codes Legend

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

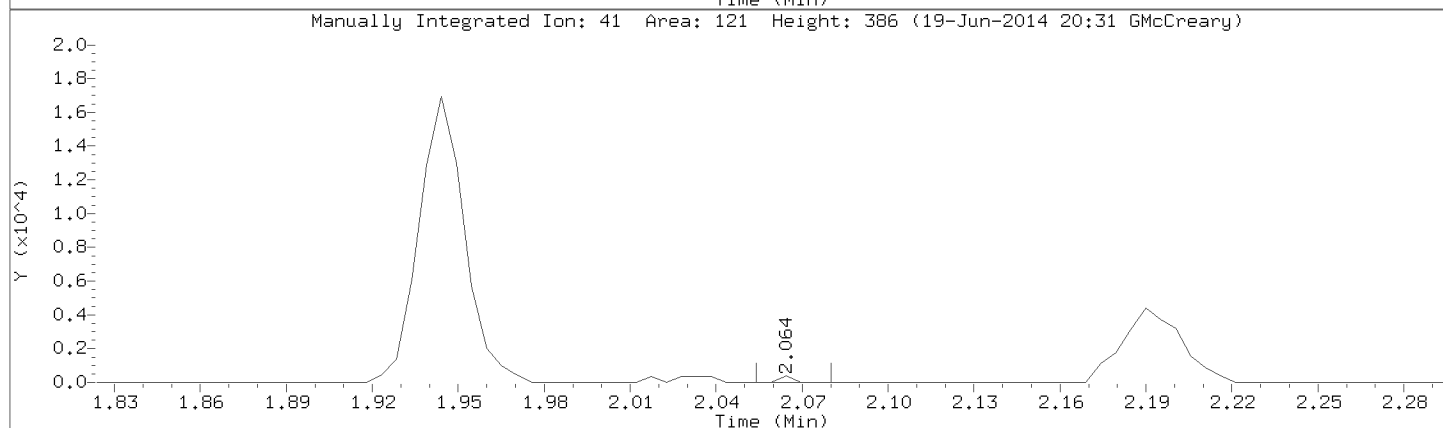
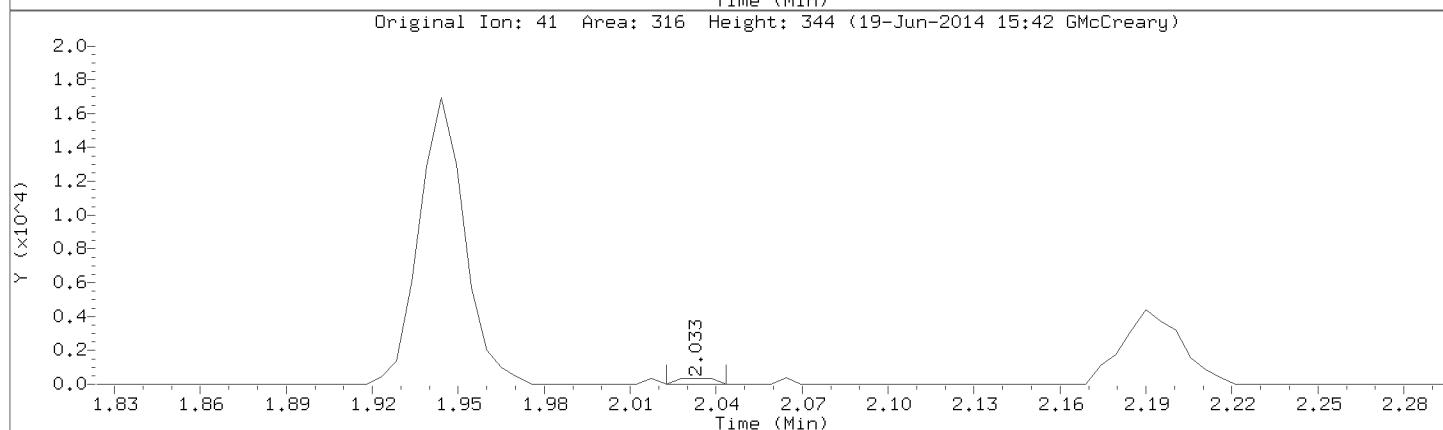
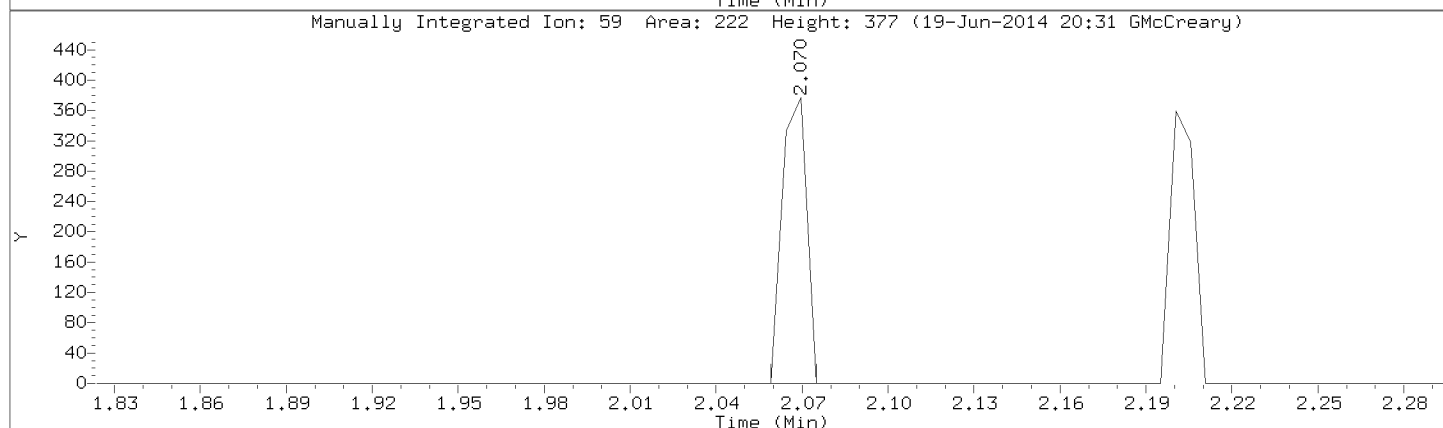
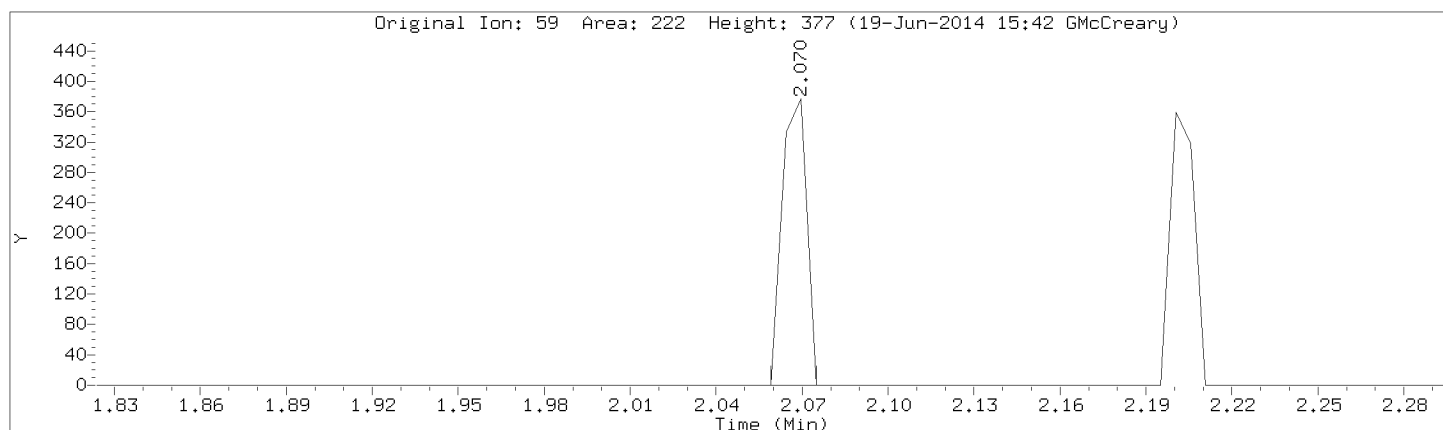
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Sample Info: 8260-CAL3,710999:0
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50mvlb.i
Operator: grm
Column diameter: 0.18



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Injection Date: 19-JUN-2014 15:13
Instrument: 50mvlb.i
Lab Sample ID: 8260-CAL3,71099:0

Compound: tert-Butyl Alcohol
CAS Number: 75-65-0



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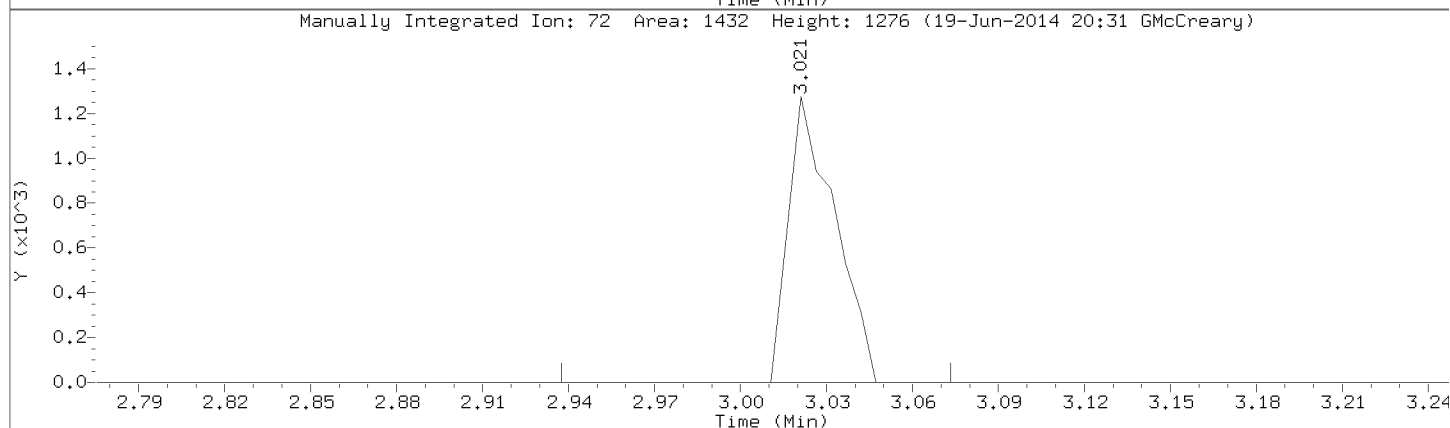
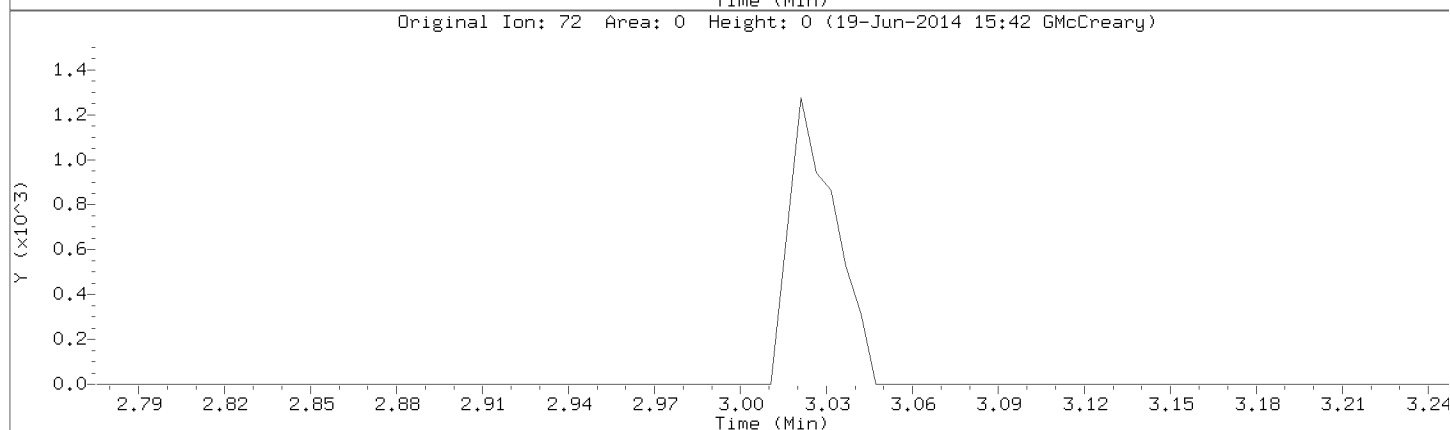
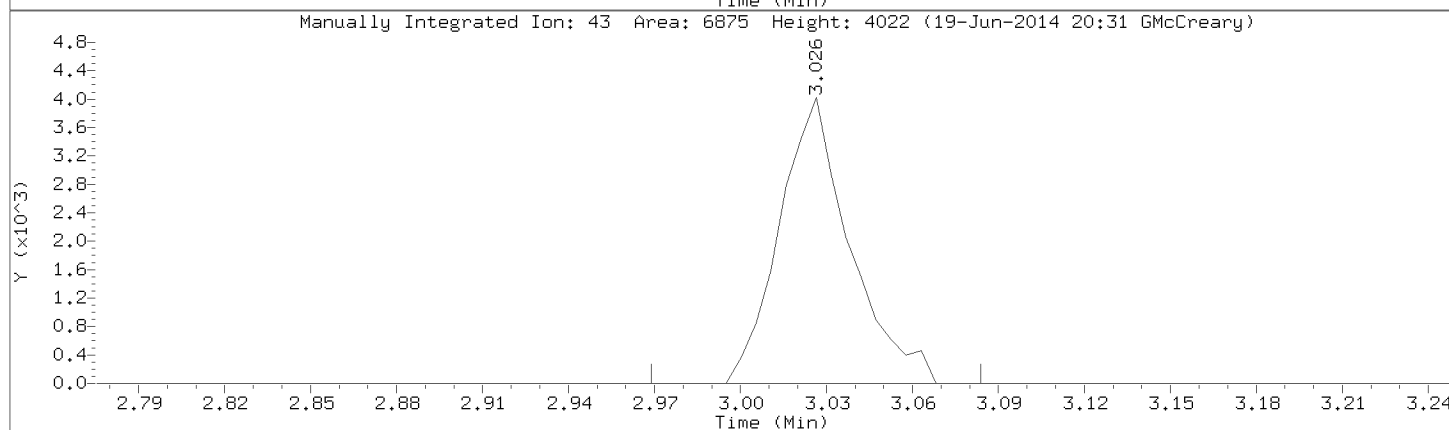
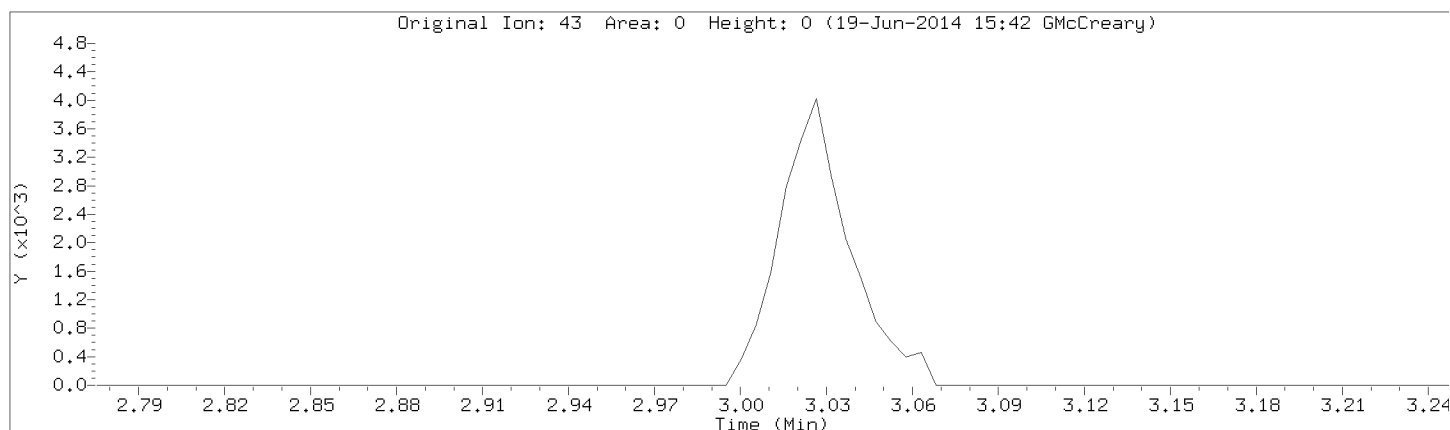
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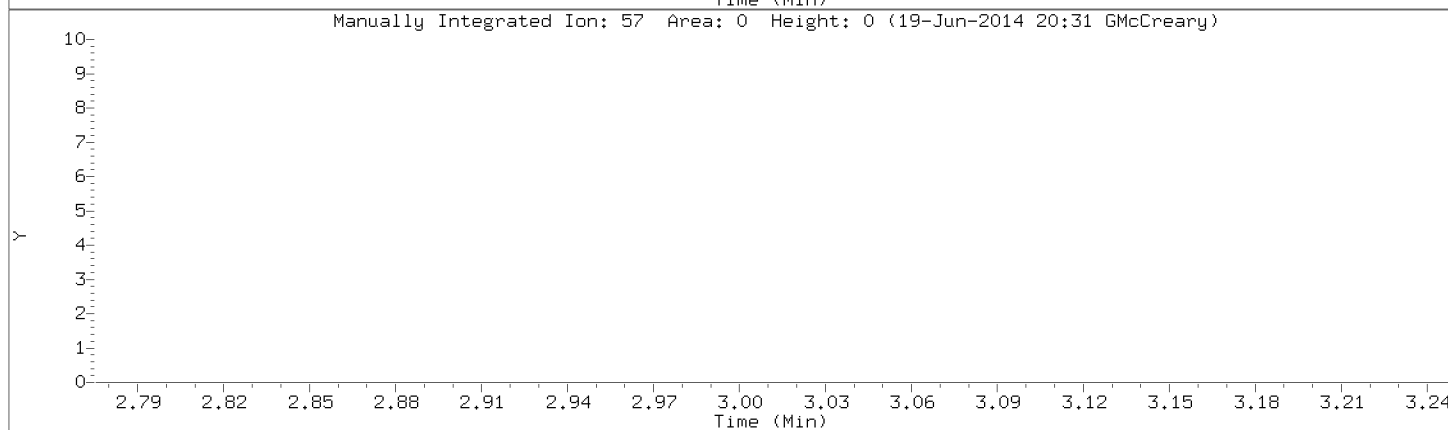
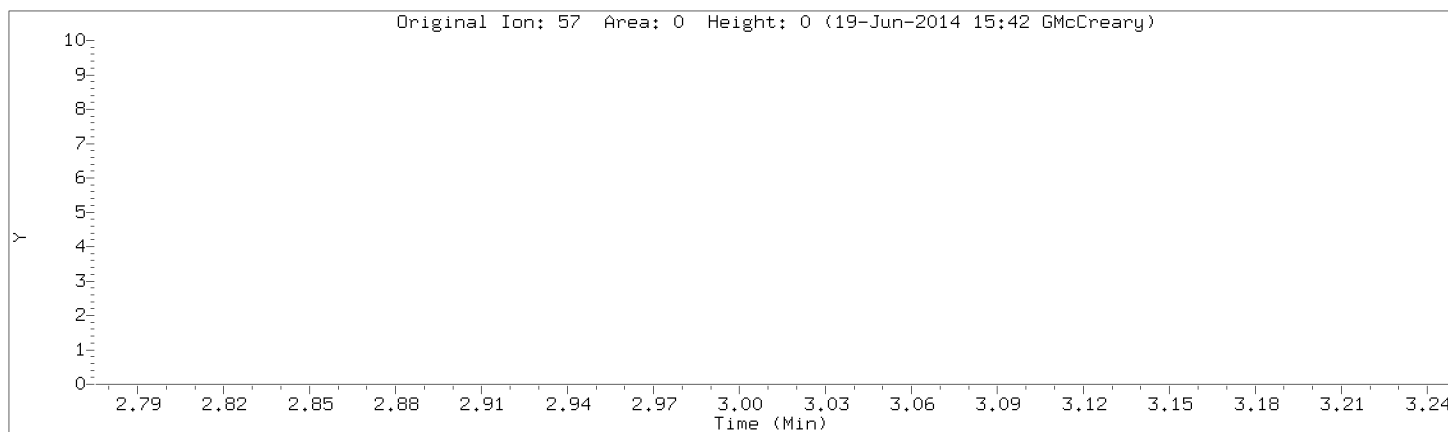
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Compound: 2-Butanone

CAS Number: 78-93-3

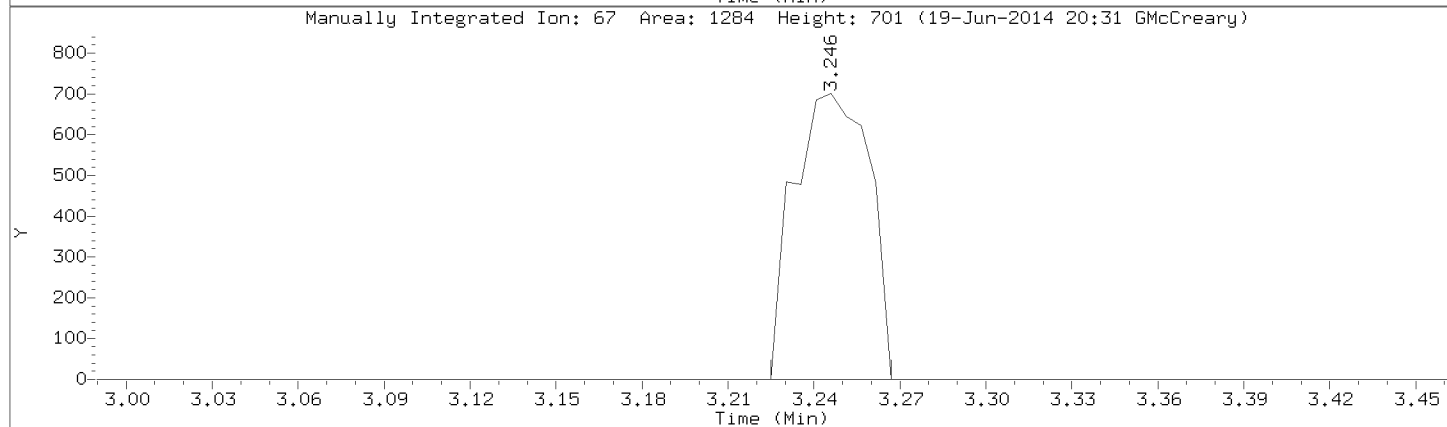
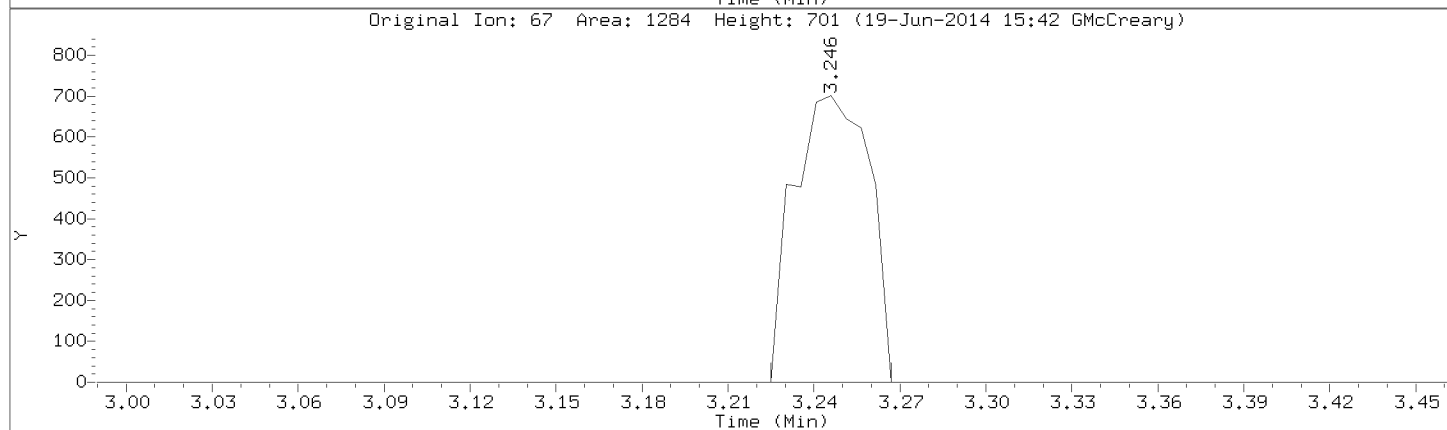
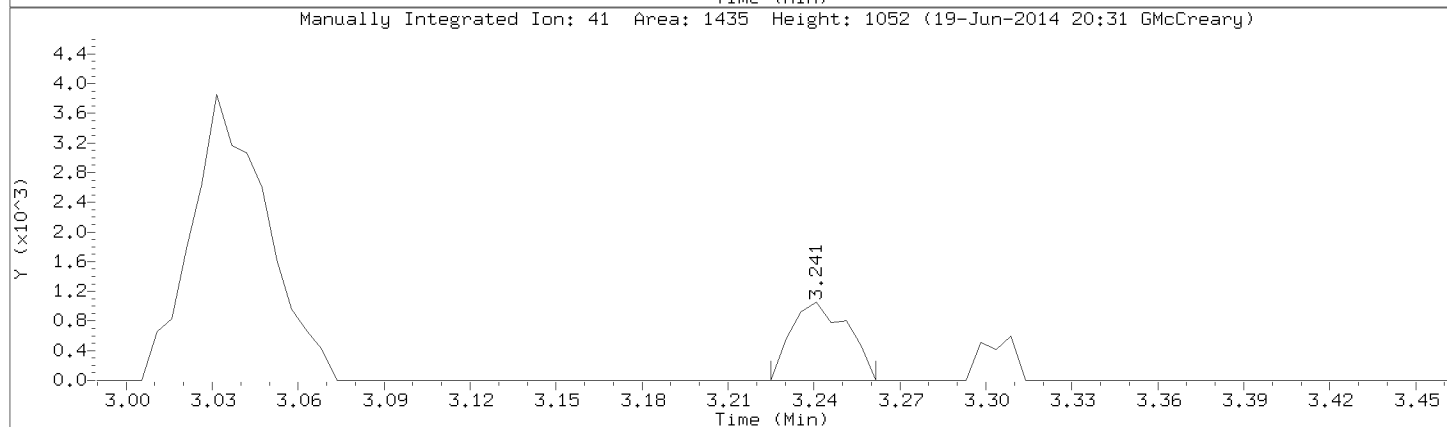
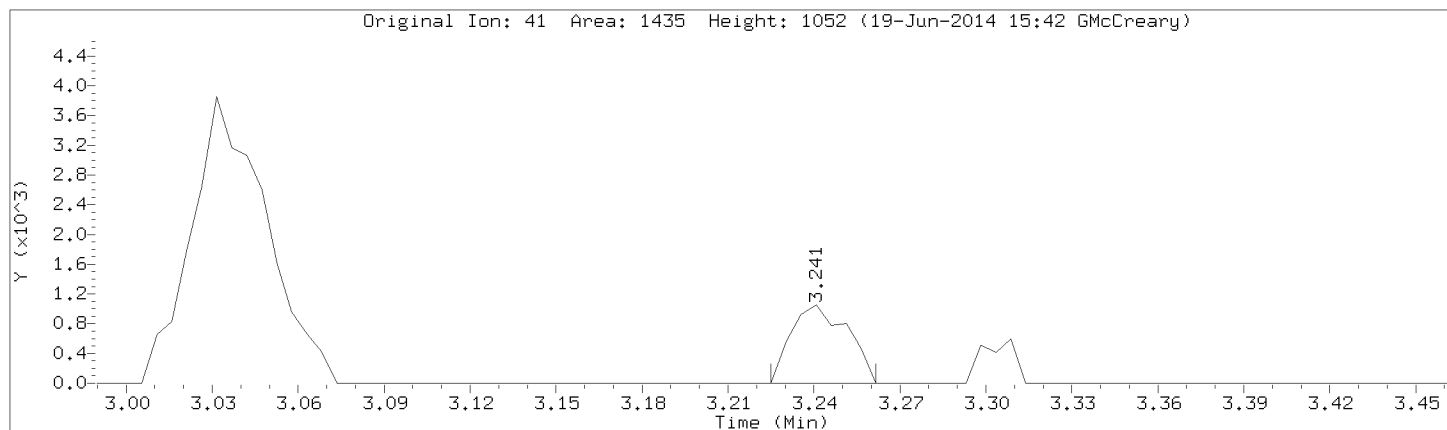


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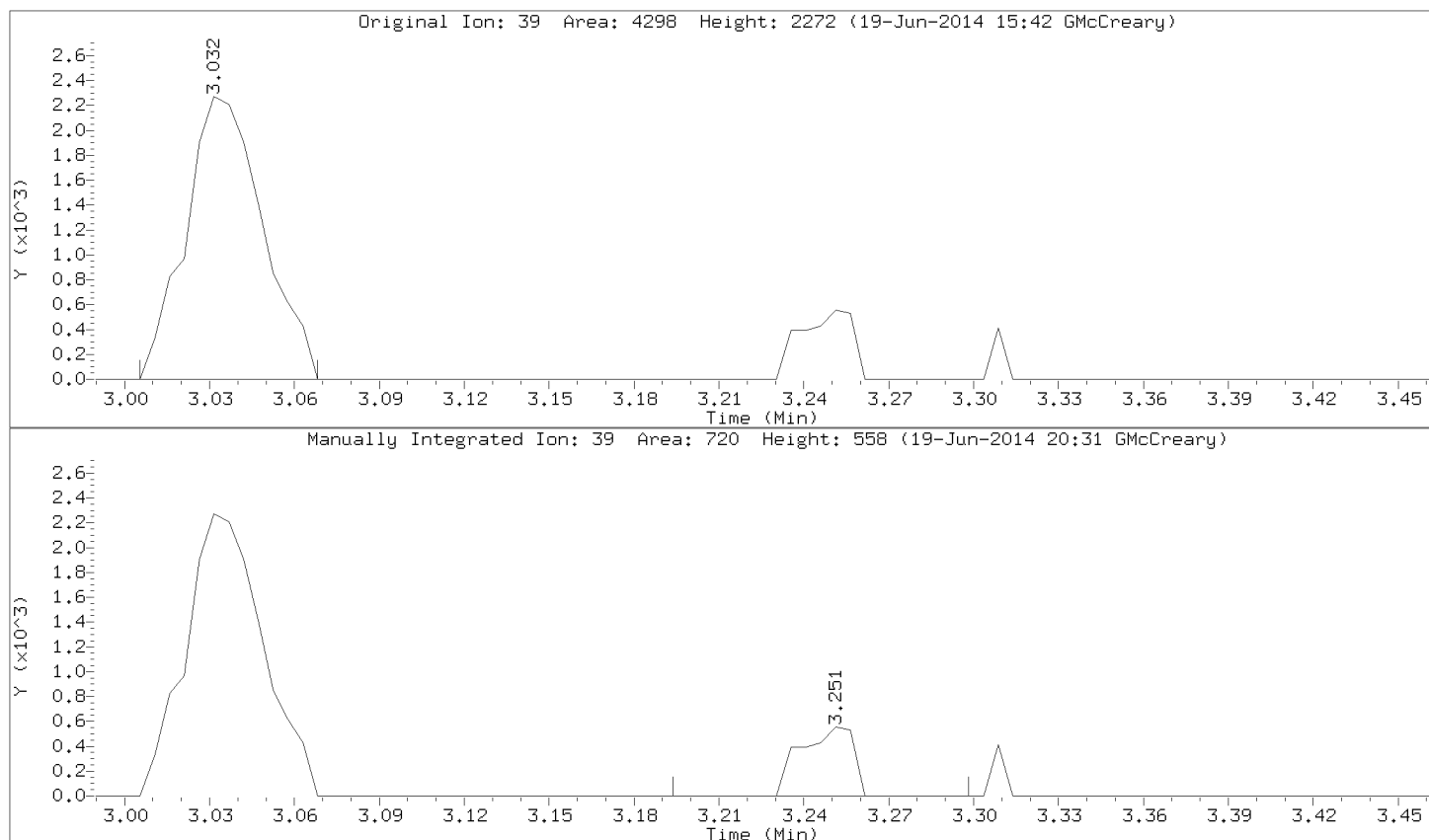


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Lab Sample ID: 8260-CAL3,71099:0

Compound: Methacrylonitrile
CAS Number: 126-98-7

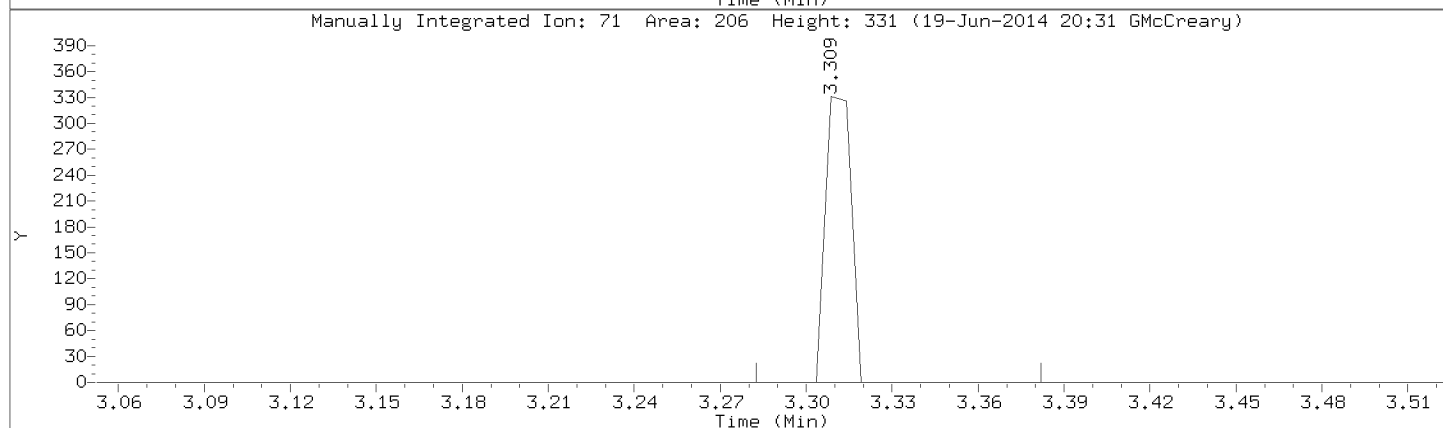
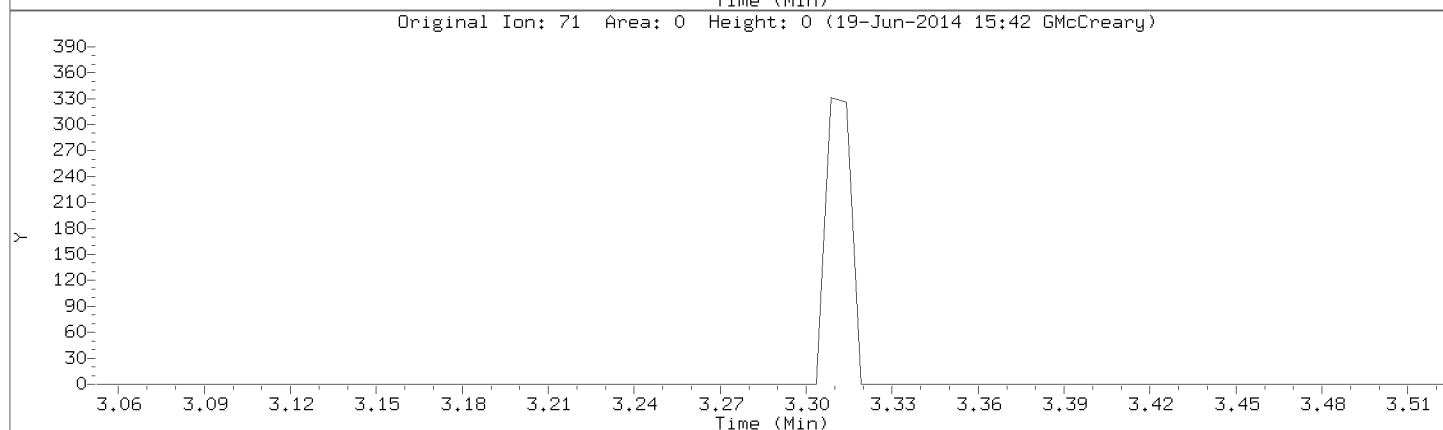
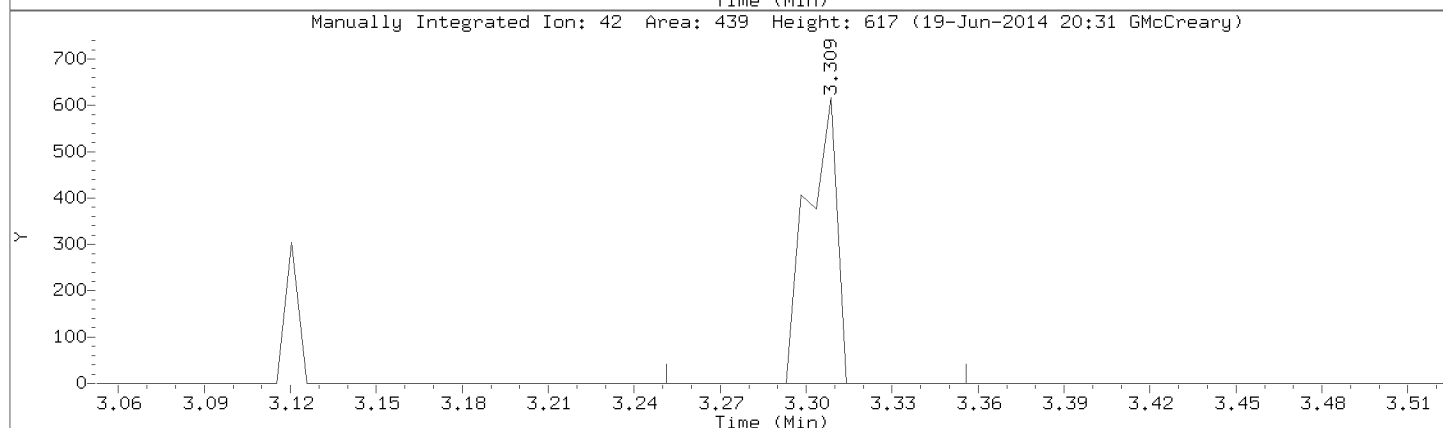
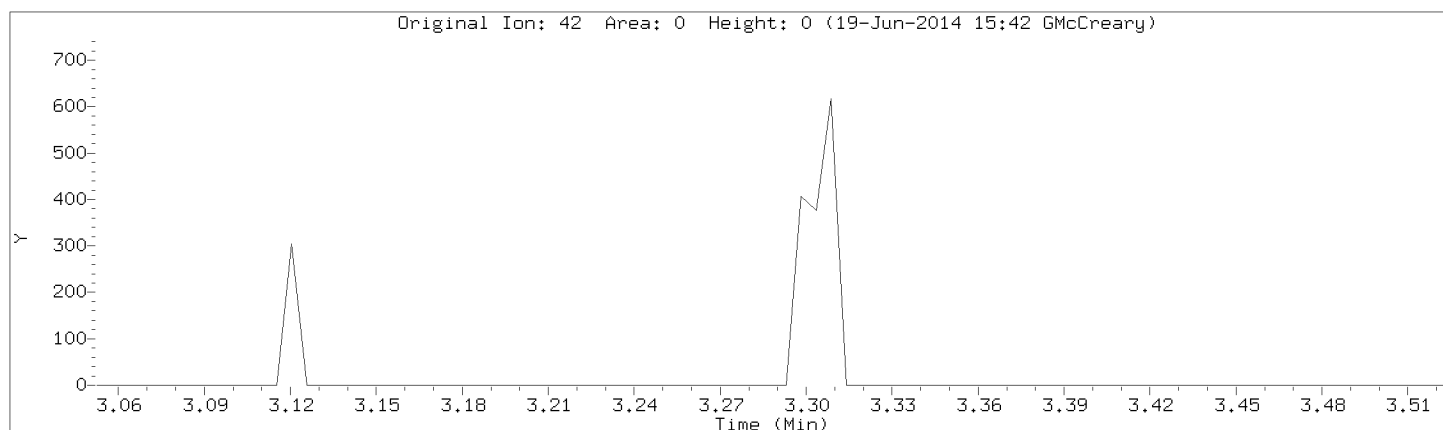


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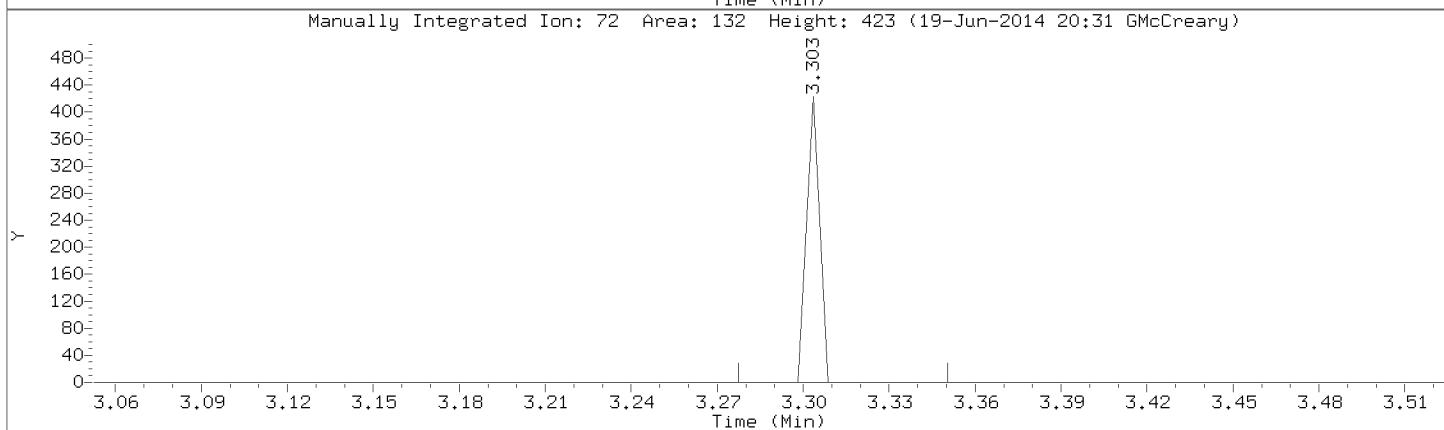
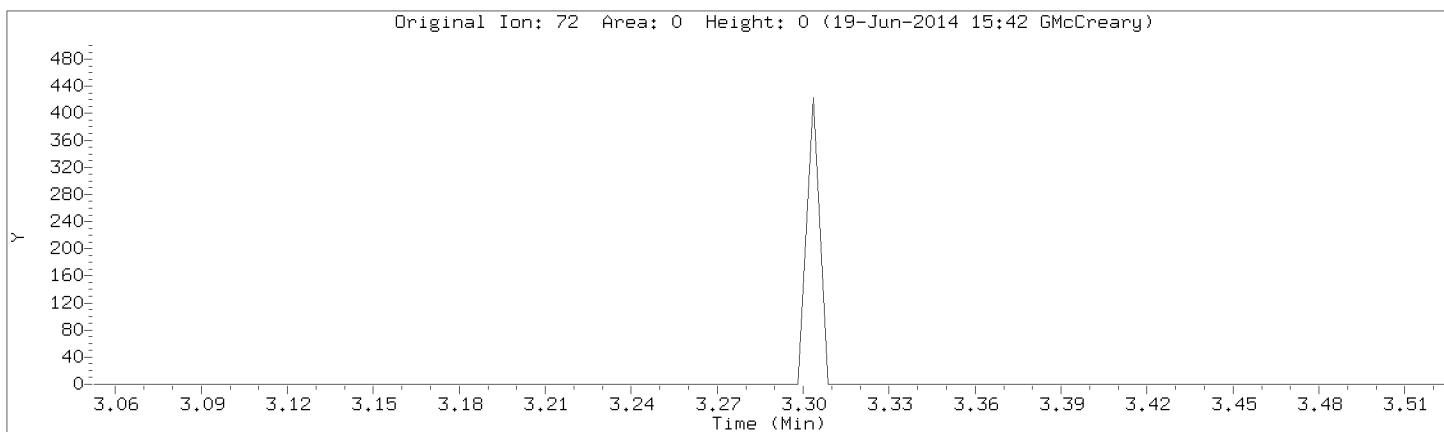


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Injection Date: 19-JUN-2014 15:13
Instrument: 50mvlb.i
Lab Sample ID: 8260-CAL3,71099:0

Compound: Tetrahydrofuran
CAS Number:



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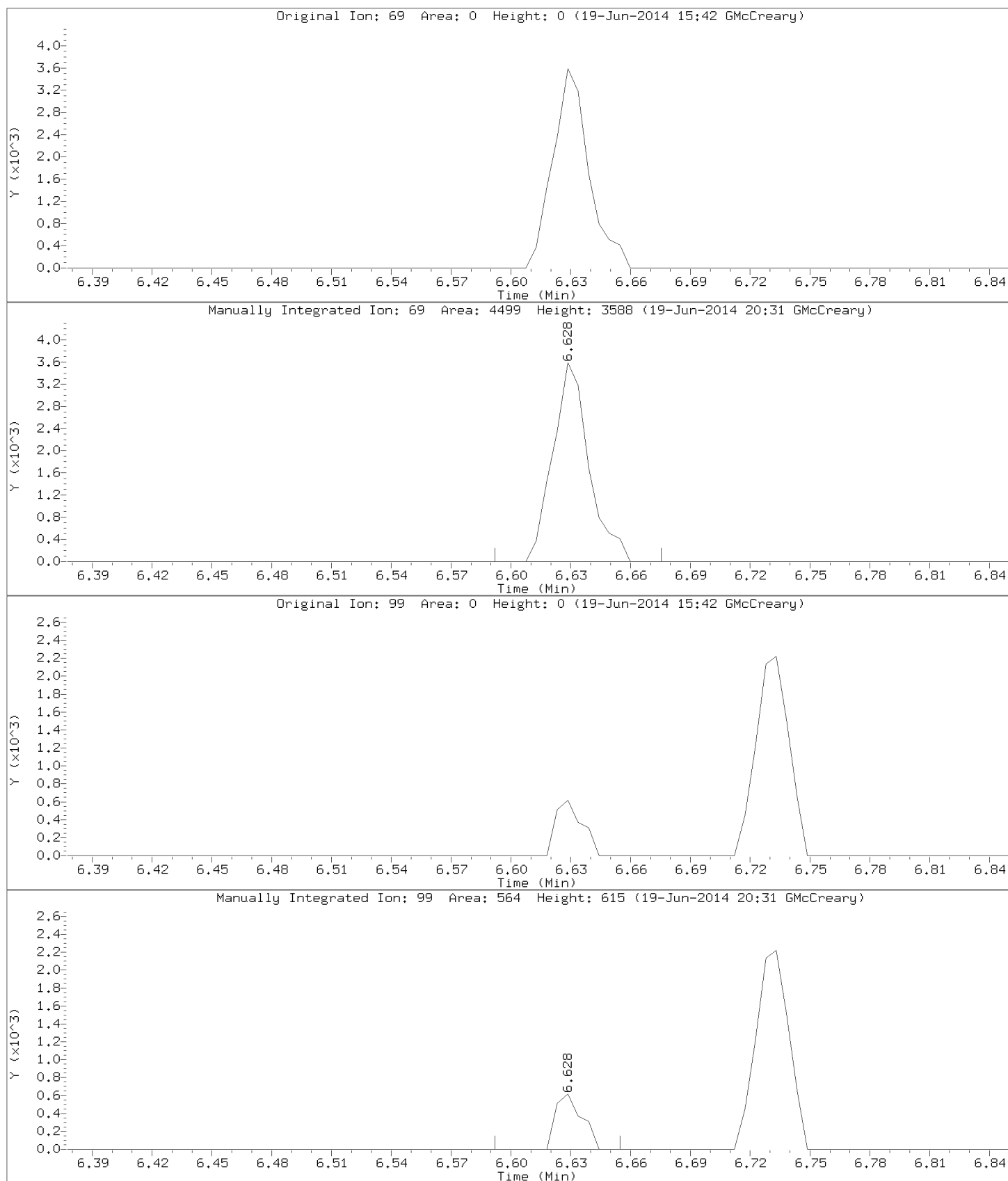
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Instrument: 50mvlb.i

Lab Sample ID: 8260-CAL3,71099:0

Compound: Ethyl Methacrylate

CAS Number:

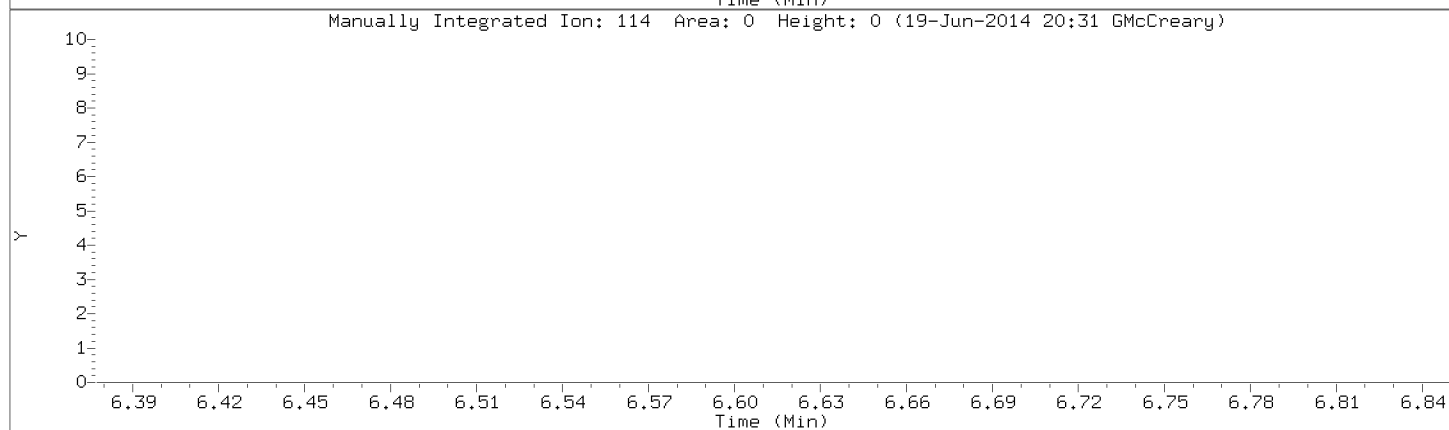
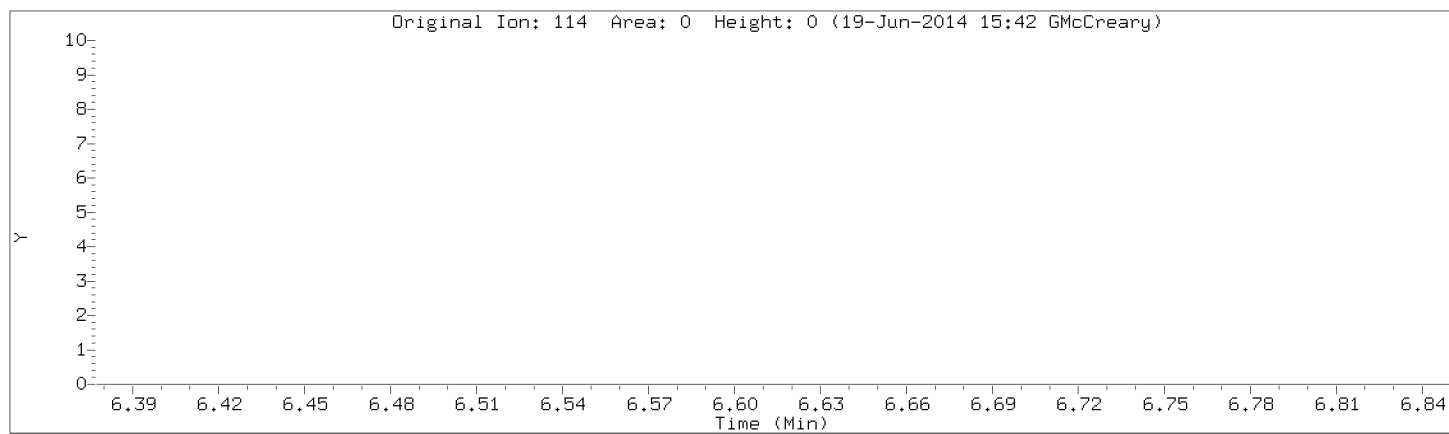


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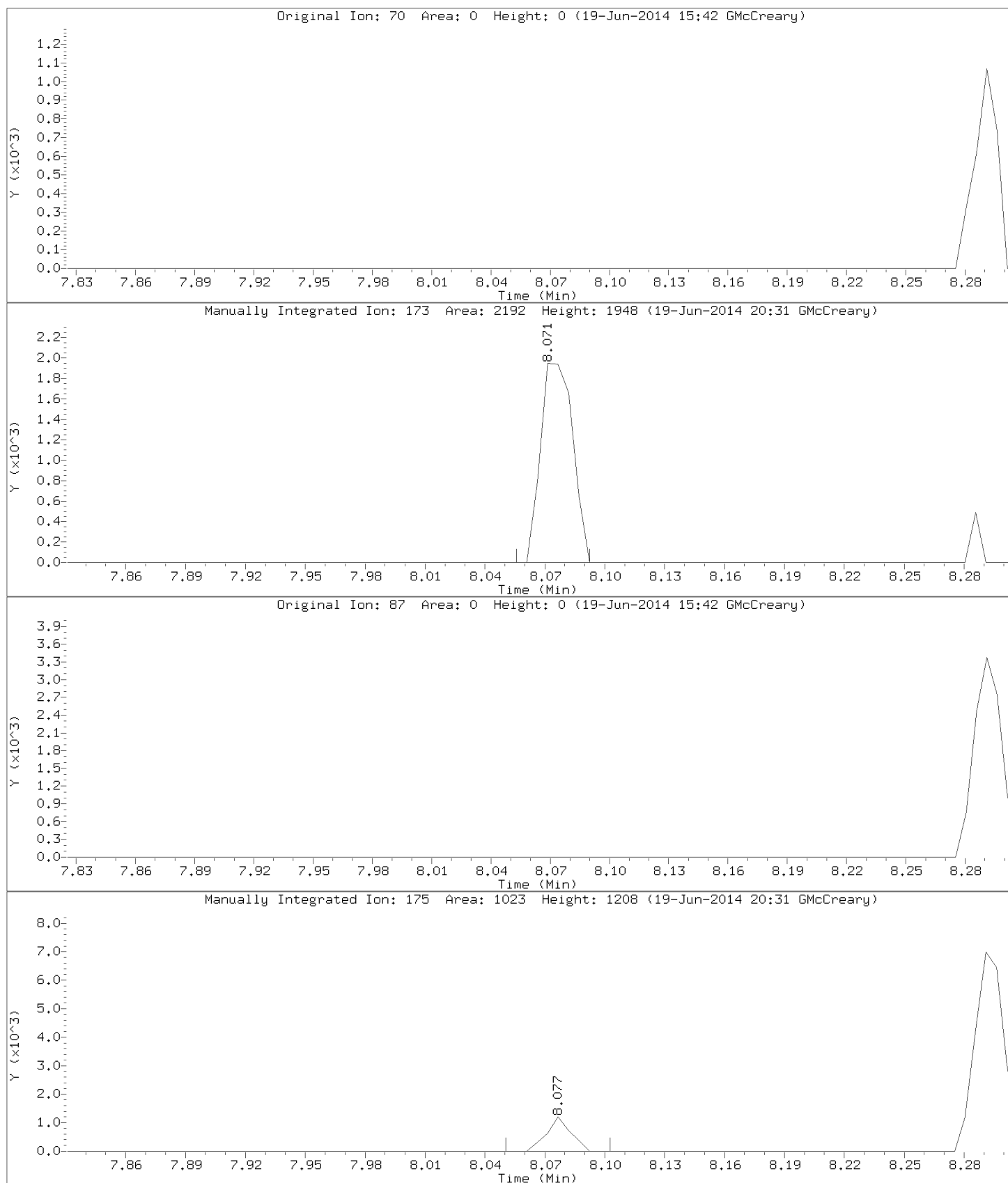
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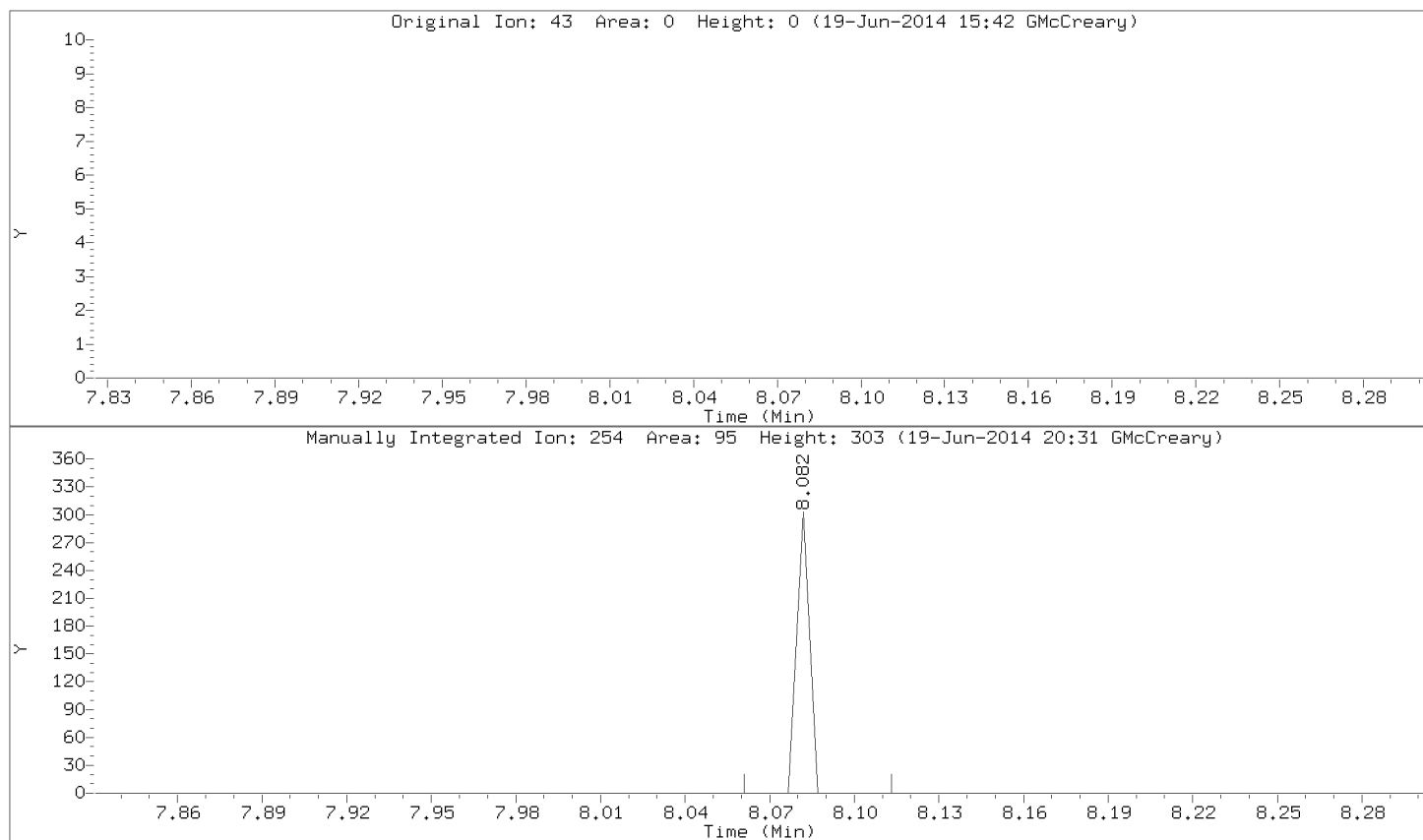


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Injection Date: 19-JUN-2014 15:13
Instrument: 50mvlb.i
Lab Sample ID: 8260-CAL3,71099:0

Compound: Bromoform
CAS Number: 75-25-2

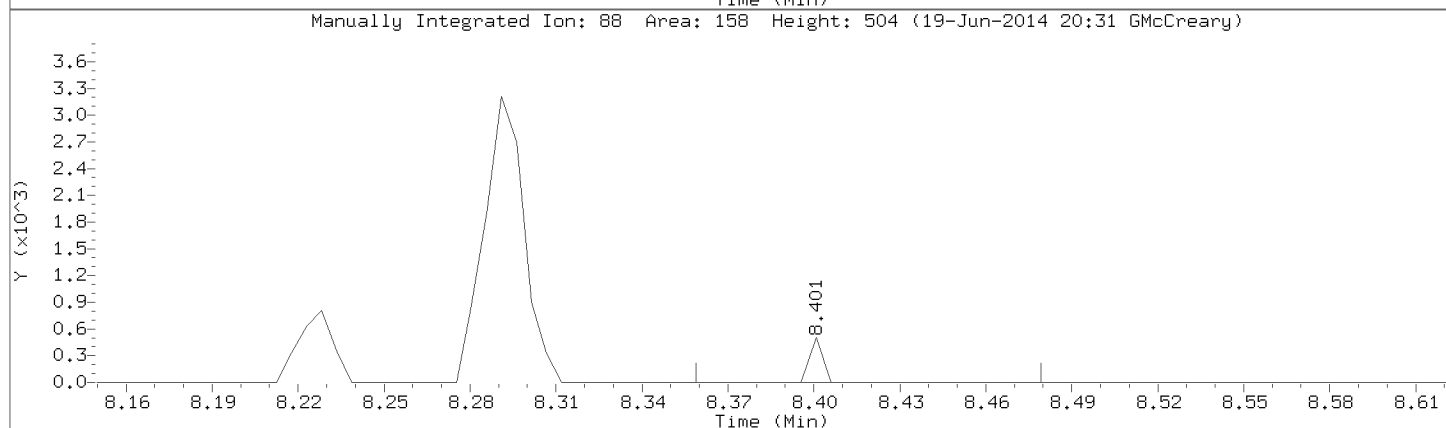
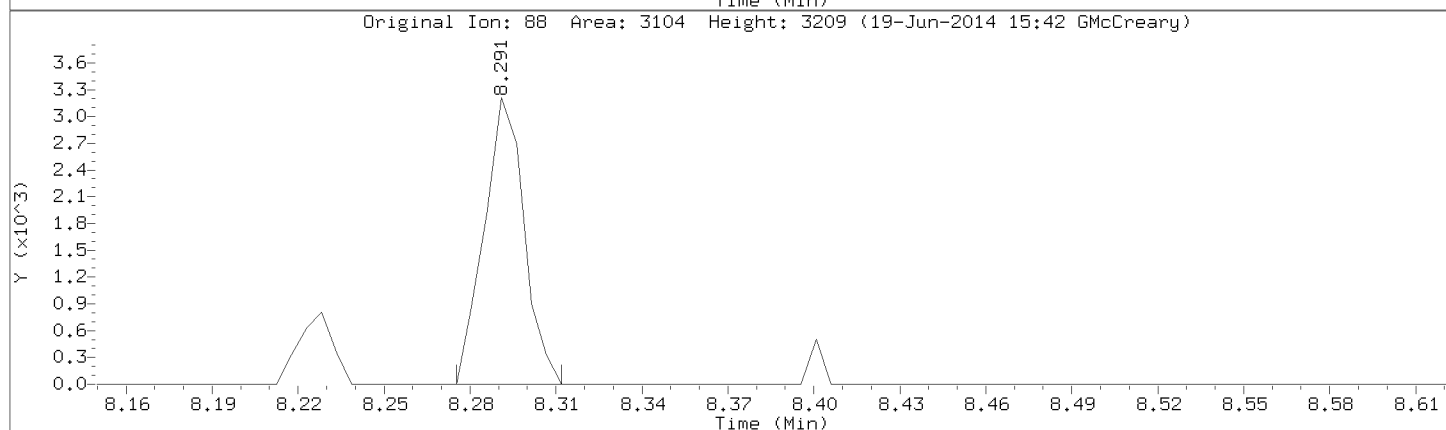
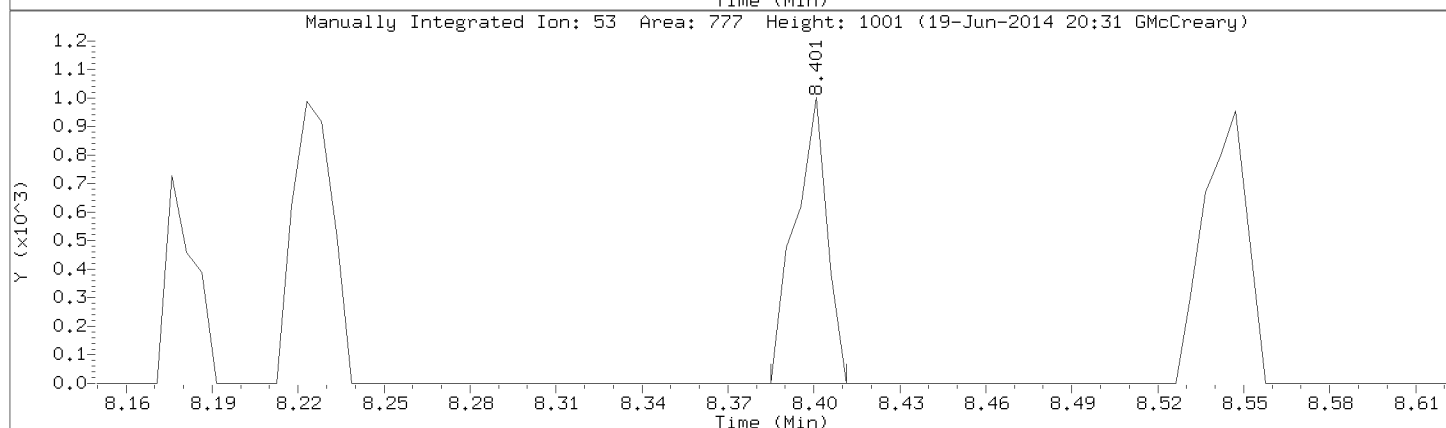
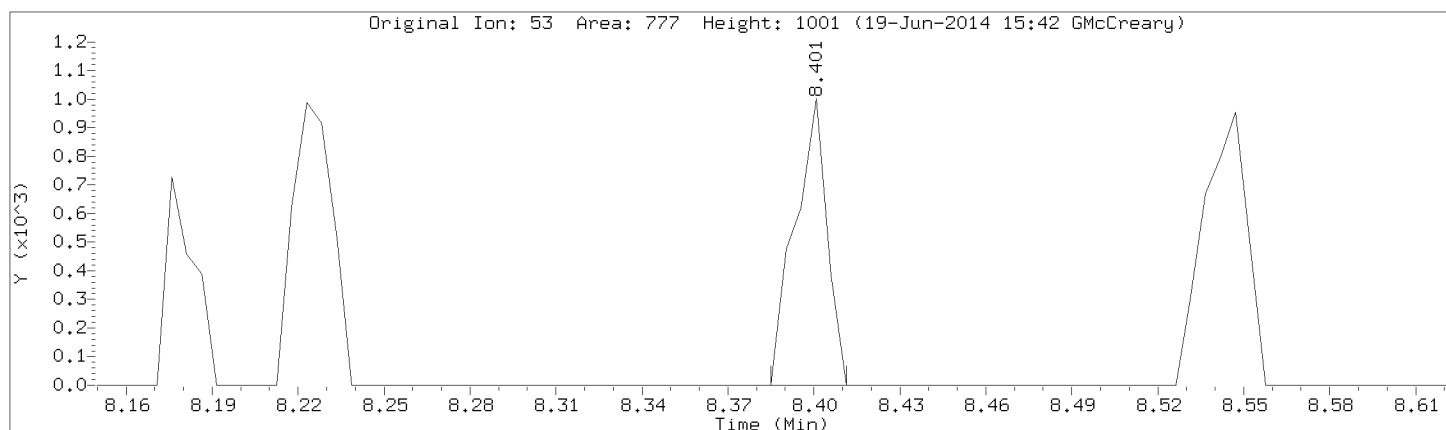


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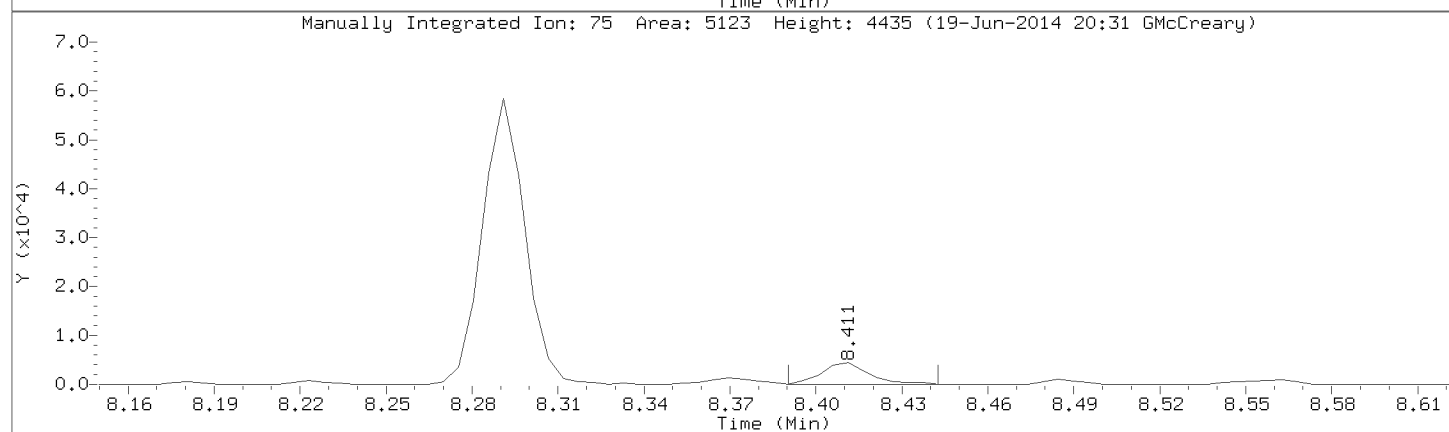
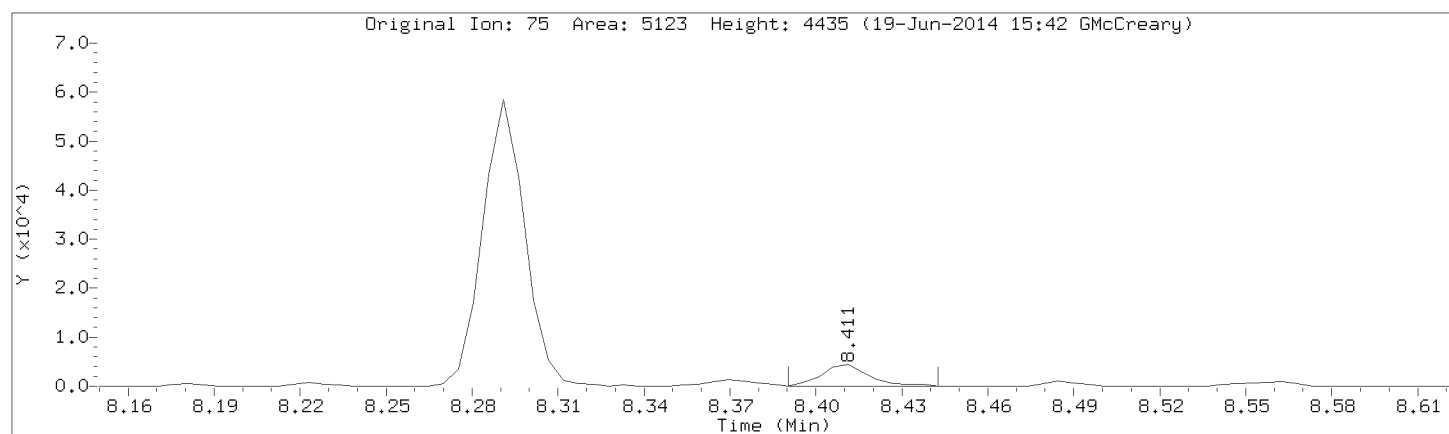


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Instrument: 50mv1b.i
Lab Sample ID: 8260-CAL3,71099:0

Compound: trans-1,4-Dichloro-2-butene
CAS Number:



Data File: \\192.168.50.6\chem\50mv1b.i\b061914cal.b\b03cal.d
Injection Date: 19-JUN-2014 15:13
Instrument: 50mv1b.i
Lab Sample ID: 8260-CAL3,71099:0



Pace Analytical Services, Inc.

Data file : \\192.168.50.6\chem\50mv1b.i\b061914cal.b\b04cal.d
 Lab Smp Id: 8260-CAL4,71100:0 Client Smp ID: 8260-CAL4,71100:0
 Inj Date : 19-JUN-2014 15:47
 Operator : grm Inst ID: 50mv1b.i
 Smp Info : 8260-cal4,71100:0
 Misc Info : 65942
 Comment :
 Method : \\192.168.50.6\chem\50mv1b.i\b061914cal.b\b8260_a_c.m
 Meth Date : 20-Jun-2014 09:15 hbanter Quant Type: ISTD
 Cal Date : 02-JUN-2014 17:56 Cal File: b09cal.d
 Als bottle: 10 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	
			CAL-AMT	ON-COL	MASS	RT	EXP RT		REL RT
1 Dichlorodifluoromethane	85		10.0000	10.1		1.009	1.010	(0.229)	24712
2 Chloromethane	50		10.0000	9.91		1.119	1.120	(0.254)	18816
3 Vinyl Chloride	62		10.0000	10.0		1.145	1.146	(0.260)	19344
4 Bromomethane	94		10.0000	8.93		1.302	1.303	(0.296)	8651
5 Chloroethane	64		10.0000	10.0		1.349	1.350	(0.306)	11680
6 Trichlorofluoromethane	101		10.0000	10.3		1.470	1.470	(0.333)	32617
7 Diethyl ether	74		10.0000	10.0		1.600	1.601	(0.363)	6271
8 1,2-dichlorotrifluoroethane	67		10.0000	11.4		1.616	1.617	(0.367)	25426
9 Acrolein	56		200.000	192		1.679	1.680	(0.381)	15207
10 1,1,2trichlorotrifluoroethane	101		10.0000	10.6		1.731	1.732	(0.393)	18750
11 1,1-Dichloroethene	96		10.0000	10.8		1.736	1.737	(0.394)	15932
12 Acetone	43		50.0000	53.8		1.752	1.747	(0.398)	8965
13 Iodomethane	142		20.0000	17.4		1.830	1.831	(0.415)	13734
14 Carbon Disulfide	76		20.0000	22.6		1.883	1.883	(0.427)	107424
15 Methyl Acetate	43		10.0000	10.1		1.924	1.925	(0.437)	3831
16 Acetonitrile	39		200.000	223		1.945	1.946	(0.441)	36695
17 allyl chloride	41		20.0000	21.7		1.945	1.946	(0.441)	41722
18 Methylene Chloride	84		10.0000	9.21		2.029	2.025	(0.460)	36164
19 tert-Butyl Alcohol	59		20.0000	17.5		2.066	2.072	(0.469)	872
20 Acrylonitrile	53		200.000	215		2.170	2.171	(0.492)	40428
21 Methyl-tert-butyl ether	73		20.0000	21.3		2.191	2.192	(0.497)	56576
22 1,2-Dichloroethene (trans)	96		10.0000	10.8		2.201	2.208	(0.500)	16836
24 n-Hexane	57		10.0000	10.7		2.395	2.396	(0.543)	27093

Compounds	QUANT SIG		AMOUNTS					REVIEW C
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ppb)	ON-COL (ppb)	
25 Vinyl Acetate	43	2.520	2.521	(0.572)	49234	40.0000	37.5	
26 1,1-Dichloroethane	63	2.531	2.532	(0.574)	30580	10.0000	10.7	
27 Chloroprene	53	2.583	2.584	(0.586)	26934	10.0000	10.6	
28 2-Butanone	43	3.022	3.023	(0.686)	13766	50.0000	54.1	
29 1,2-Dichloroethene (cis)	96	3.033	3.034	(0.688)	17624	10.0000	10.6	
30 2,2-Dichloropropane	77	3.038	3.039	(0.689)	19708	10.0000	9.77	
31 Propionitrile	54	3.090	3.091	(0.701)	254	10.0000	7.22 (TQM)	WP
32 Methacrylonitrile	41	3.247	3.237	(0.737)	3514	50.0000	48.9	
33 Bromochloromethane	49	3.284	3.279	(0.745)	8174	10.0000	10.6	
34 Tetrahydrofuran	42	3.305	3.300	(0.750)	1218	10.0000	9.94	
35 Chloroform	83	3.399	3.400	(0.771)	32436	10.0000	10.7	
37 1,1,1-Trichloroethane	97	3.576	3.577	(0.811)	25855	10.0000	10.2	
\$ 38 Dibromofluoromethane (S)	113	3.582	3.583	(0.813)	66633	50.0000	50.5	
39 Cyclohexane	56	3.665	3.661	(0.832)	23404	10.0000	10.1	
40 Carbon Tetrachloride	117	3.770	3.771	(0.855)	19202	10.0000	9.45	
41 1,1-Dichloropropene	75	3.775	3.776	(0.856)	25820	10.0000	10.5	
42 Benzene	78	4.026	4.027	(0.913)	64150	10.0000	10.5	
43 1,2-Dichloroethane	62	4.115	4.116	(0.934)	18900	10.0000	10.2	
44 Isobutyl alcohol	43	4.183	4.184	(0.949)	10010	10.0000	10.2	
45 2,2,4-Trimethylpentane	57	4.183	4.184	(0.949)	58954	10.0000	10.4	
* 46 Fluorobenzene (IS)	96	4.408	4.409	(1.000)	276962	50.0000		
47 Trichloroethene	95	4.842	4.842	(1.098)	18689	10.0000	10.5	
48 Methylcyclohexane	55	5.098	5.099	(1.157)	22455	10.0000	10.8	
49 1,2-Dichloropropane	63	5.145	5.146	(1.167)	14721	10.0000	10.8	
50 Dibromomethane	93	5.239	5.240	(1.189)	6438	10.0000	9.98	
52 Methyl methacrylate	69	5.255	5.255	(1.192)	5169	10.0000	10.2	
53 Bromodichloromethane	83	5.458	5.459	(1.238)	18625	10.0000	9.63	
54 2-Chloroethyl vinyl ether	63	5.804	5.799	(0.775)	4960	20.0000	21.6	
55 cis-1,3-Dichloropropene	75	5.945	5.940	(0.794)	17137	10.0000	8.78	
56 4-Methyl-2-Pentanone	43	6.117	6.113	(0.817)	27797	50.0000	51.1	
\$ 57 Toluene-d8	98	6.211	6.212	(0.830)	280604	50.0000	51.8	
58 Toluene	91	6.285	6.285	(0.839)	73655	10.0000	10.9	
59 trans-1,3-Dichloropropene	75	6.551	6.552	(0.875)	11859	10.0000	10.0	
60 Ethyl Methacrylate	69	6.630	6.625	(0.885)	10271	10.0000	8.94	
61 1,1,2-Trichloroethane	83	6.729	6.730	(0.899)	8958	10.0000	11.2	
62 Tetrachloroethene	166	6.776	6.777	(0.905)	22722	10.0000	10.8	
63 1,3-Dichloropropane	76	6.865	6.866	(0.917)	18861	10.0000	10.4	
64 2-Hexanone	43	6.933	6.928	(0.926)	18973	50.0000	50.8	
65 Dibromochloromethane	129	7.043	7.043	(0.941)	9806	10.0000	9.50	
66 1,2-Dibromoethane	107	7.126	7.127	(0.952)	8726	10.0000	10.2	
* 67 Chlorobenzene-D5 (IS)	117	7.487	7.488	(1.000)	206269	50.0000		
68 Chlorobenzene	112	7.508	7.509	(1.003)	46348	10.0000	11.2	
69 1,1,1,2-Tetrachloroethane	131	7.581	7.582	(1.013)	12664	10.0000	9.69	
70 Ethylbenzene	106	7.586	7.587	(1.013)	26639	10.0000	11.3	
71 m&p-Xylene	106	7.680	7.681	(1.026)	63687	20.0000	22.0	
72 o-Xylene	106	7.942	7.937	(1.061)	30096	10.0000	10.9	
73 Styrene	104	7.957	7.953	(1.063)	49808	10.0000	10.8	
74 Bromoform	173	8.078	8.079	(0.901)	4966	10.0000	10.5	
75 Isopropylbenzene	105	8.177	8.178	(1.092)	90356	10.0000	11.4	
\$ 76 4-Bromofluorobenzene	95	8.292	8.293	(1.108)	110341	50.0000	50.3	
77 Bromobenzene	77	8.370	8.371	(1.118)	34433	10.0000	11.0	
79 1,1,2,2-Tetrachloroethane	83	8.381	8.382	(0.935)	11220	10.0000	10.3	
80 trans-1,4-Dichloro-2-butene	53	8.402	8.398	(1.122)	1897	10.0000	8.77 (Q)	
81 1,2,3-Trichloropropane	110	8.412	8.413	(0.938)	3288	10.0000	9.69 (Q)	

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS		REVIEW C
						CAL-AMT (ppb)	ON-COL (ppb)	
82 n-Propylbenzene	91	8.438	8.434 (0.941)		114405	10.0000	11.4	
83 2-Chlorotoluene	91	8.485	8.486 (0.946)		67208	10.0000	11.0	
84 1,3,5-Trimethylbenzene	105	8.543	8.544 (0.953)		79409	10.0000	11.4	
85 4-Chlorotoluene	126	8.564	8.560 (0.955)		20188	10.0000	11.0	
86 tert-Butylbenzene	119	8.726	8.722 (0.973)		71906	10.0000	11.1	
87 1,2,4-Trimethylbenzene	105	8.757	8.758 (0.977)		75961	10.0000	11.2	
88 sec-Butylbenzene	105	8.851	8.847 (0.987)		103835	10.0000	11.3	
89 1,3-Dichlorobenzene	146	8.919	8.920 (0.995)		40727	10.0000	10.8	
90 p-Isopropyltoluene	119	8.935	8.936 (0.997)		89116	10.0000	11.6	
* 91 1,4-Dichlorobenzene-d4 (IS)	152	8.966	8.967 (1.000)		118291	50.0000		
92 1,4-Dichlorobenzene	146	8.977	8.978 (1.001)		37788	10.0000	10.6	
93 n-Butylbenzene	91	9.155	9.150 (1.021)		88439	10.0000	11.0	
94 1,2-Dichlorobenzene	146	9.170	9.171 (1.023)		35202	10.0000	10.8	
95 1,2-Dibromo-3-chloropropane	155	9.583	9.579 (1.069)		1059	10.0000	11.4	
96 1,2,4-Trichlorobenzene	180	9.996	9.992 (1.115)		28641	10.0000	10.6	
97 Hexachlorobutadiene	225	10.059	10.060 (1.122)		26413	10.0000	11.4	
98 Naphthalene	128	10.148	10.144 (1.132)		31994	10.0000	9.96	
99 1,2,3-Trichlorobenzene	180	10.263	10.259 (1.145)		24981	10.0000	10.7	
100 2,methyl-naphthalene	142	10.801	10.797 (1.205)		14438	10.0000	8.10	
101 1-methylnaphthalene	142	10.922	10.917 (1.218)		13630	10.0000	9.40	

QC Flag Legend

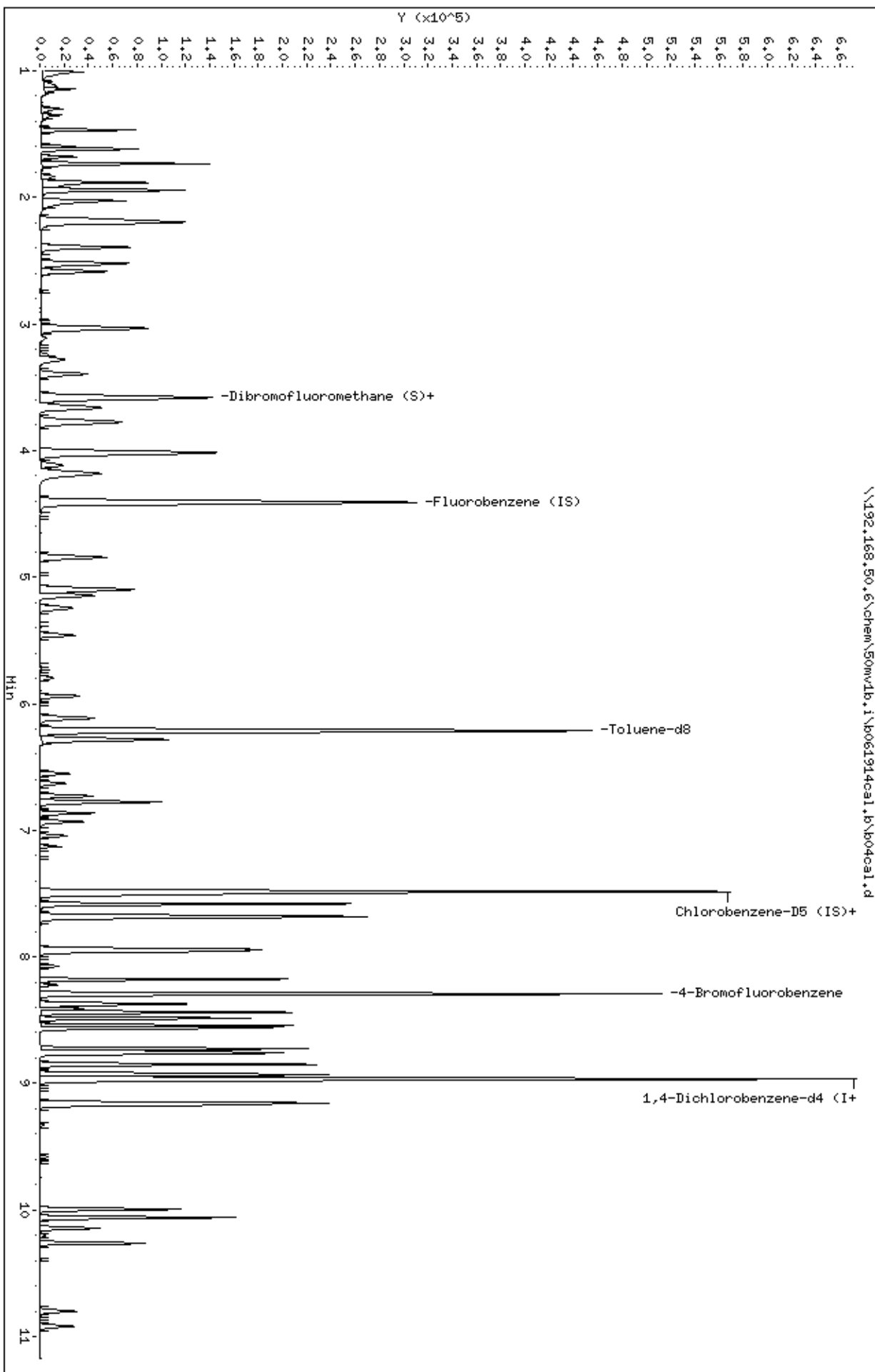
- T - Target compound detected outside RT window.
- Q - Qualifier signal failed the ratio test.
- M - Compound response manually integrated.

Review Codes Legend

- :
 WP: Indicates that the wrong peak was chosen by the data system.

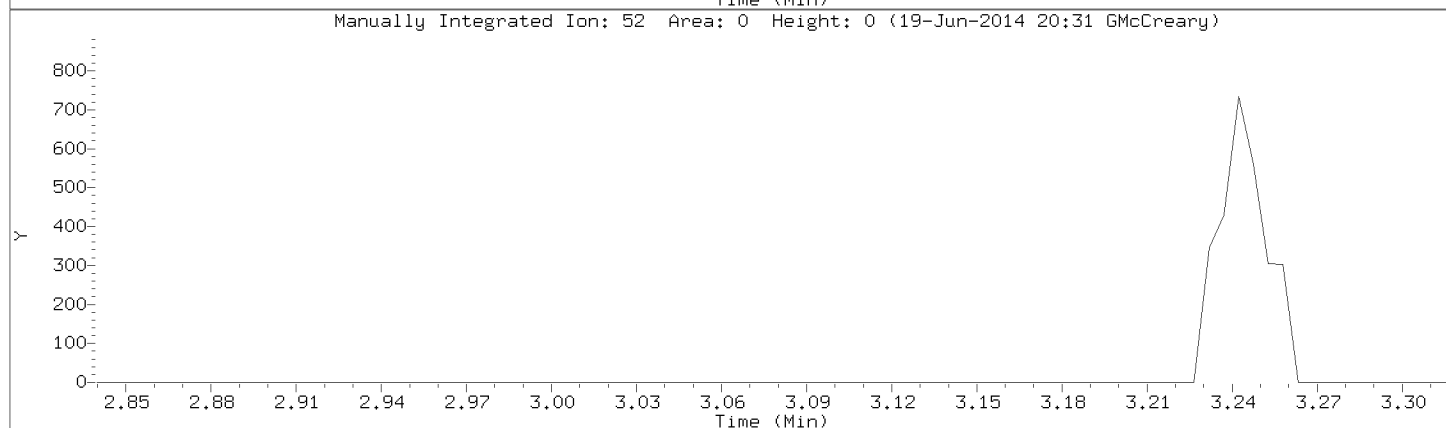
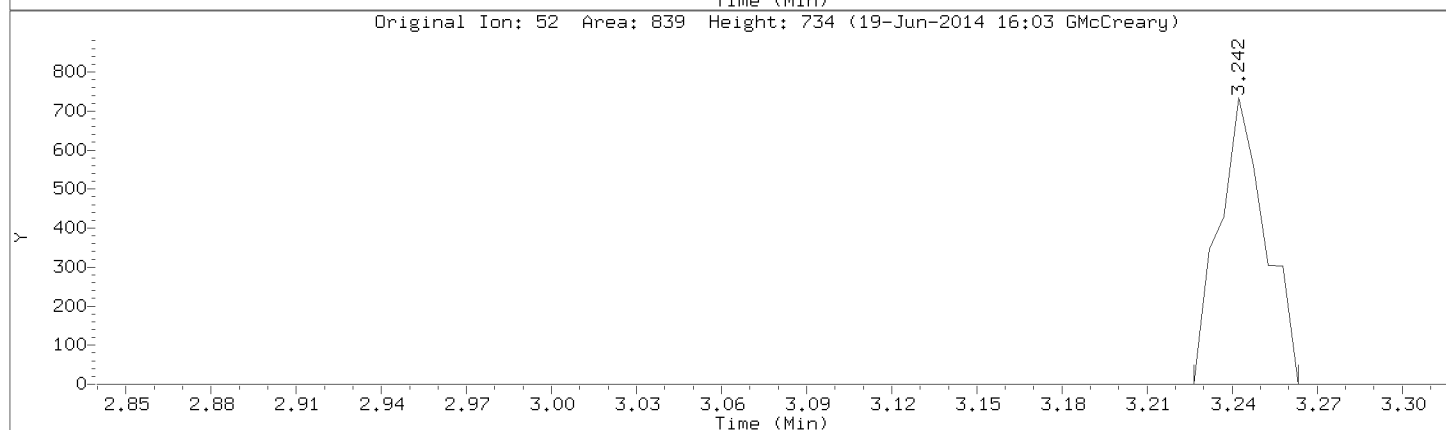
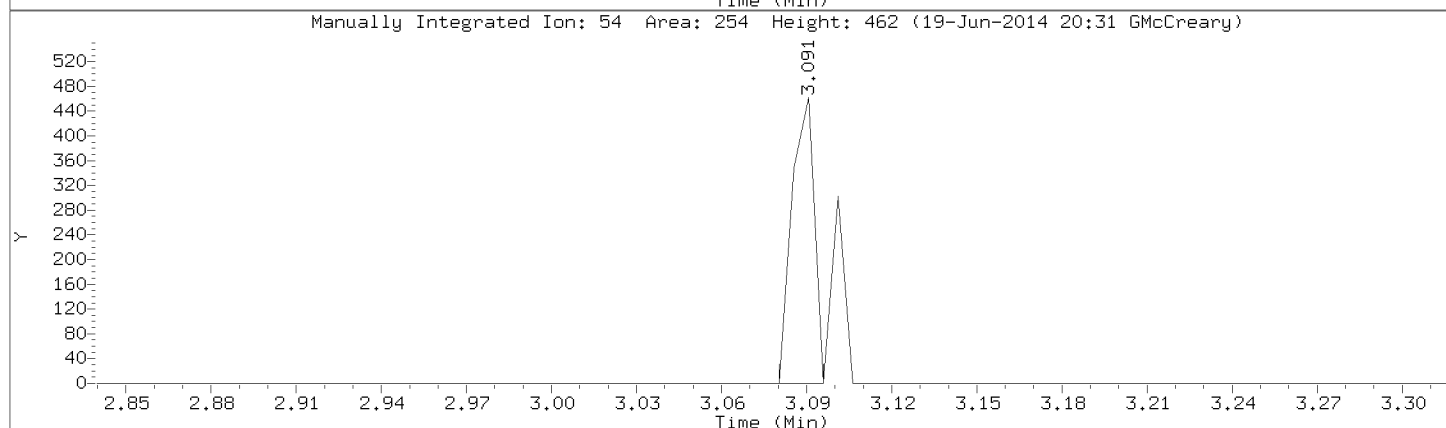
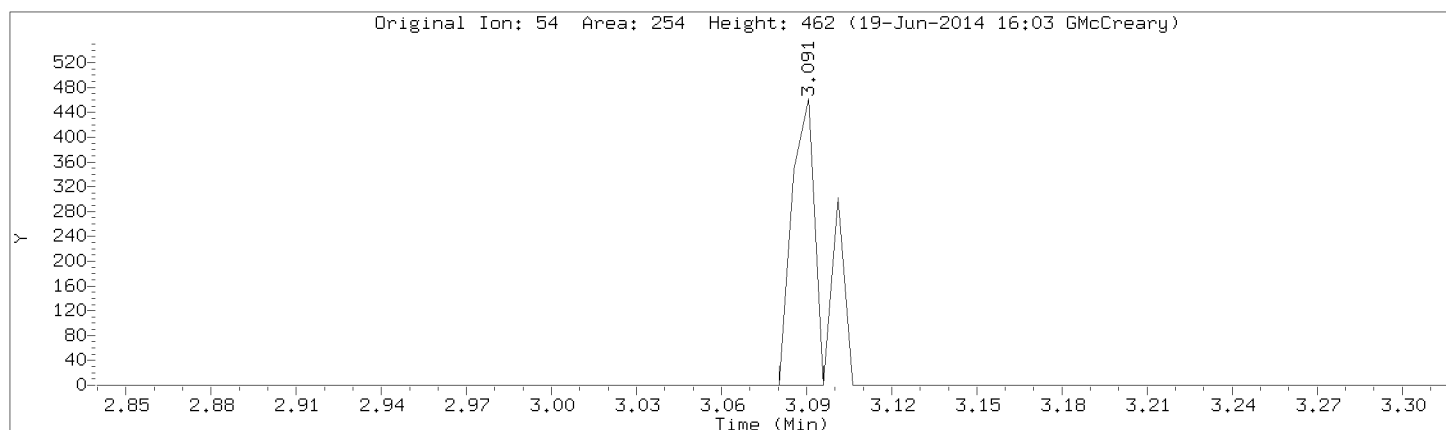
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Date: 19-JUN-2014 15:47
Client ID: 8260-CAL4,7110010
Sample Info: 8260-CAL4,7110010
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50mvlb.i
Operator: grm
Column diameter: 0.18

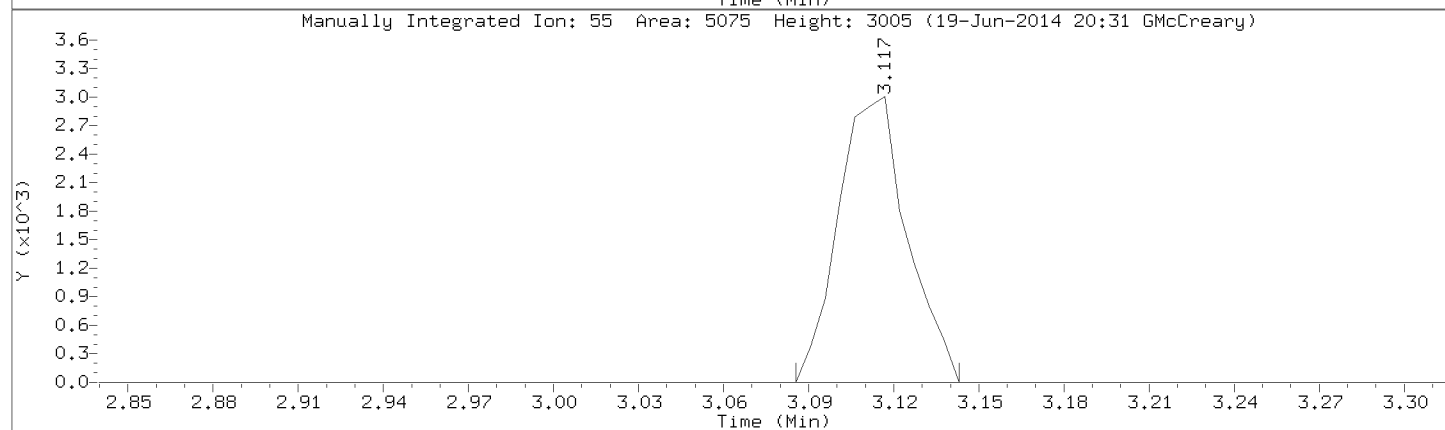
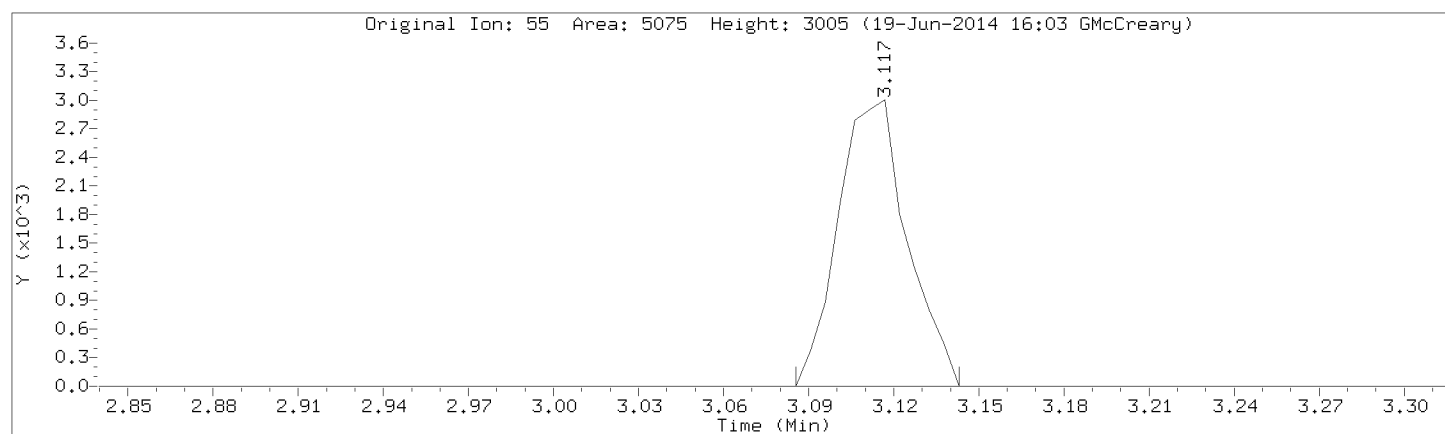


Data File: \\192.168.50.6\chem\50mvlb.i\b061914cal.b\b04cal.d
Injection Date: 19-JUN-2014 15:47
Instrument: 50mvlb.i
Lab Sample ID: 8260-CAL4,71100:0

Compound: Propionitrile
CAS Number: 107-12-0



Data File: \\192.168.50.6\chem\50mv1b.i\b061914cal.b\b04cal.d
Injection Date: 19-JUN-2014 15:47
Instrument: 50mv1b.i
Lab Sample ID: 8260-CAL4,71100:0



Pace Analytical Services, Inc.

Data file : \\192.168.50.6\chem\50mv1b.i\b061914cal.b\b05cal.d
 Lab Smp Id: 8260-CAL5,71101:0 Client Smp ID: 8260-CAL5,71101:0
 Inj Date : 19-JUN-2014 16:20
 Operator : grm Inst ID: 50mv1b.i
 Smp Info : 8260-cal5,71101:0
 Misc Info : 65942
 Comment :
 Method : \\192.168.50.6\chem\50mv1b.i\b061914cal.b\b8260_a_c.m
 Meth Date : 20-Jun-2014 09:15 hbanter Quant Type: ISTD
 Cal Date : 02-JUN-2014 17:56 Cal File: b09cal.d
 Als bottle: 12 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			1.009	1.010	(0.229)	52063	20.0000	22.1	
2 Chloromethane	50			1.119	1.120	(0.254)	38218	20.0000	20.8	
3 Vinyl Chloride	62			1.145	1.146	(0.260)	40635	20.0000	21.8	
4 Bromomethane	94			1.302	1.303	(0.295)	20436	20.0000	18.8	
5 Chloroethane	64			1.349	1.350	(0.306)	24690	20.0000	21.8	
6 Trichlorofluoromethane	101			1.469	1.470	(0.333)	65997	20.0000	21.6	
7 Diethyl ether	74			1.600	1.601	(0.363)	13350	20.0000	22.0	
8 1,2-dichlorotrifluoroethane	67			1.621	1.617	(0.368)	48360	20.0000	22.3	
9 Acrolein	56			1.678	1.680	(0.381)	32530	400.000	423	
10 1,1,2trichlorotrifluoroethane	101			1.731	1.732	(0.393)	36760	20.0000	21.5	
11 1,1-Dichloroethene	96			1.736	1.737	(0.394)	32200	20.0000	22.6	
12 Acetone	43			1.751	1.747	(0.397)	17032	100.000	106	
13 Iodomethane	142			1.835	1.831	(0.416)	42649	40.0000	37.9	
14 Carbon Disulfide	76			1.882	1.883	(0.427)	207075	40.0000	45.0	
15 Methyl Acetate	43			1.924	1.925	(0.437)	7754	20.0000	21.0	
16 Acetonitrile	39			1.945	1.946	(0.441)	72006	400.000	452	
17 allyl chloride	41			1.945	1.946	(0.441)	83838	40.0000	45.1	
18 Methylene Chloride	84			2.029	2.025	(0.460)	47576	20.0000	19.0	
19 tert-Butyl Alcohol	59			2.065	2.072	(0.469)	1842	40.0000	38.0	
20 Acrylonitrile	53			2.175	2.171	(0.494)	76205	400.000	418	
21 Methyl-tert-butyl ether	73			2.191	2.192	(0.497)	107746	40.0000	42.0	
22 1,2-Dichloroethene (trans)	96			2.206	2.208	(0.501)	32368	20.0000	21.5	
24 n-Hexane	57			2.395	2.396	(0.543)	51372	20.0000	20.9	

Compounds	QUANT MASS	SIG						AMOUNTS		REVIEW C
			RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ppb)	ON-COL (ppb)		
25 Vinyl Acetate	43		2.520	2.521	(0.572)	106961	80.0000	84.3		
26 1,1-Dichloroethane	63		2.530	2.532	(0.574)	58711	20.0000	21.3		
27 Chloroprene	53		2.583	2.584	(0.586)	53982	20.0000	21.9		
28 2-Butanone	43		3.027	3.023	(0.687)	26703	100.000	108		
29 1,2-Dichloroethene (cis)	96		3.038	3.034	(0.689)	34125	20.0000	21.1		
30 2,2-Dichloropropane	77		3.038	3.039	(0.689)	40878	20.0000	20.9		
31 Propionitrile	54		3.090	3.091	(0.701)	1366	20.0000	22.6 (QM)	WP	
32 Methacrylonitrile	41		3.241	3.237	(0.736)	7214	100.000	104		
33 Bromochloromethane	49		3.283	3.279	(0.745)	16312	20.0000	21.8		
34 Tetrahydrofuran	42		3.299	3.300	(0.749)	2628	20.0000	22.2		
35 Chloroform	83		3.398	3.400	(0.771)	63046	20.0000	21.5		
37 1,1,1-Trichloroethane	97		3.581	3.577	(0.813)	52431	20.0000	21.3		
\$ 38 Dibromofluoromethane (S)	113		3.587	3.583	(0.814)	64030	50.0000	50.1		
39 Cyclohexane	56		3.660	3.661	(0.830)	49258	20.0000	22.0		
40 Carbon Tetrachloride	117		3.769	3.771	(0.855)	40450	20.0000	20.6		
41 1,1-Dichloropropene	75		3.780	3.776	(0.858)	52309	20.0000	22.0		
42 Benzene	78		4.026	4.027	(0.913)	125775	20.0000	21.4		
43 1,2-Dichloroethane	62		4.115	4.116	(0.934)	38257	20.0000	21.4		
44 Isobutyl alcohol	43		4.183	4.184	(0.949)	20420	20.0000	21.6		
45 2,2,4-Trimethylpentane	57		4.188	4.184	(0.950)	118992	20.0000	21.7		
* 46 Fluorobenzene (IS)	96		4.407	4.409	(1.000)	268030	50.0000			
47 Trichloroethene	95		4.841	4.842	(1.098)	36553	20.0000	21.2		
48 Methylcyclohexane	55		5.103	5.099	(1.158)	44976	20.0000	22.4		
49 1,2-Dichloropropane	63		5.144	5.146	(1.167)	28028	20.0000	21.3		
50 Dibromomethane	93		5.244	5.240	(1.190)	13461	20.0000	21.6		
51 1,4-Dioxane	88		5.254	5.250	(1.192)	2494	400.000			
52 Methyl methacrylate	69		5.249	5.255	(1.191)	10232	20.0000	20.9		
53 Bromodichloromethane	83		5.458	5.459	(1.238)	37374	20.0000	20.0		
54 2-Chloroethyl vinyl ether	63		5.798	5.799	(0.774)	10241	40.0000	45.2		
55 cis-1,3-Dichloropropene	75		5.944	5.940	(0.794)	39075	20.0000	20.3		
56 4-Methyl-2-Pentanone	43		6.117	6.113	(0.817)	55882	100.000	104		
\$ 57 Toluene-d8	98		6.211	6.212	(0.830)	273968	50.0000	51.3		
58 Toluene	91		6.284	6.285	(0.839)	143706	20.0000	21.5		
59 trans-1,3-Dichloropropene	75		6.556	6.552	(0.876)	26133	20.0000	18.4		
60 Ethyl Methacrylate	69		6.629	6.625	(0.885)	23868	20.0000	21.1		
61 1,1,2-Trichloroethane	83		6.734	6.730	(0.899)	16532	20.0000	20.9		
62 Tetrachloroethene	166		6.776	6.777	(0.905)	45601	20.0000	22.0		
63 1,3-Dichloropropane	76		6.870	6.866	(0.918)	37492	20.0000	21.1		
64 2-Hexanone	43		6.927	6.928	(0.925)	38803	100.000	105		
65 Dibromochloromethane	129		7.047	7.043	(0.941)	19749	20.0000	19.4		
66 1,2-Dibromoethane	107		7.131	7.127	(0.953)	18325	20.0000	21.7		
* 67 Chlorobenzene-D5 (IS)	117		7.487	7.488	(1.000)	203123	50.0000			
68 Chlorobenzene	112		7.508	7.509	(1.003)	87448	20.0000	21.4		
69 1,1,1,2-Tetrachloroethane	131		7.581	7.582	(1.013)	26887	20.0000	20.9		
70 Ethylbenzene	106		7.586	7.587	(1.013)	51249	20.0000	22.0		
71 m&p-Xylene	106		7.680	7.681	(1.026)	125314	40.0000	44.0		
72 o-Xylene	106		7.941	7.937	(1.061)	59168	20.0000	21.8		
73 Styrene	104		7.957	7.953	(1.063)	99656	20.0000	22.1		
74 Bromoform	173		8.077	8.079	(0.901)	11198	20.0000	18.8		
75 Isopropylbenzene	105		8.182	8.178	(1.093)	179085	20.0000	23.0		
\$ 76 4-Bromofluorobenzene	95		8.292	8.293	(1.108)	109318	50.0000	50.6		
77 Bromobenzene	77		8.370	8.371	(1.118)	66643	20.0000	21.7		
79 1,1,2,2-Tetrachloroethane	83		8.381	8.382	(0.935)	21567	20.0000	19.9		
80 trans-1,4-Dichloro-2-butene	53		8.401	8.398	(1.122)	4128	20.0000	19.4 (Q)		

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS		REVIEW C
						CAL-AMT (ppb)	ON-COL (ppb)	
81 1,2,3-Trichloropropane	110	8.412	8.413	(0.938)	6739	20.0000	20.0	
82 n-Propylbenzene	91	8.438	8.434	(0.941)	222331	20.0000	22.4	
83 2-Chlorotoluene	91	8.485	8.486	(0.946)	131065	20.0000	21.6	
84 1,3,5-Trimethylbenzene	105	8.543	8.544	(0.953)	153993	20.0000	22.2	
85 4-Chlorotoluene	126	8.564	8.560	(0.955)	39186	20.0000	21.6	
86 tert-Butylbenzene	119	8.726	8.722	(0.973)	145704	20.0000	22.7	
87 1,2,4-Trimethylbenzene	105	8.757	8.758	(0.977)	151561	20.0000	22.5	
88 sec-Butylbenzene	105	8.851	8.847	(0.987)	204760	20.0000	22.4	
89 1,3-Dichlorobenzene	146	8.919	8.920	(0.995)	78601	20.0000	21.0	
90 p-Isopropyltoluene	119	8.935	8.936	(0.997)	172920	20.0000	22.6	
* 91 1,4-Dichlorobenzene-d4 (IS)	152	8.966	8.967	(1.000)	117524	50.0000		
92 1,4-Dichlorobenzene	146	8.977	8.978	(1.001)	75196	20.0000	21.2	
93 n-Butylbenzene	91	9.154	9.150	(1.021)	179590	20.0000	22.4	
94 1,2-Dichlorobenzene	146	9.170	9.171	(1.023)	69058	20.0000	21.4	
95 1,2-Dibromo-3-chloropropane	155	9.578	9.579	(1.068)	2806	20.0000	20.8	
96 1,2,4-Trichlorobenzene	180	9.996	9.992	(1.115)	56095	20.0000	20.9	
97 Hexachlorobutadiene	225	10.059	10.060	(1.122)	49525	20.0000	21.5	
98 Naphthalene	128	10.142	10.144	(1.131)	69112	20.0000	21.6	
99 1,2,3-Trichlorobenzene	180	10.263	10.259	(1.145)	47643	20.0000	20.5	
100 2,methyl-naphthalene	142	10.801	10.797	(1.205)	34362	20.0000	18.6	
101 1-methylnaphthalene	142	10.921	10.917	(1.218)	30346	20.0000	19.4	

QC Flag Legend

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

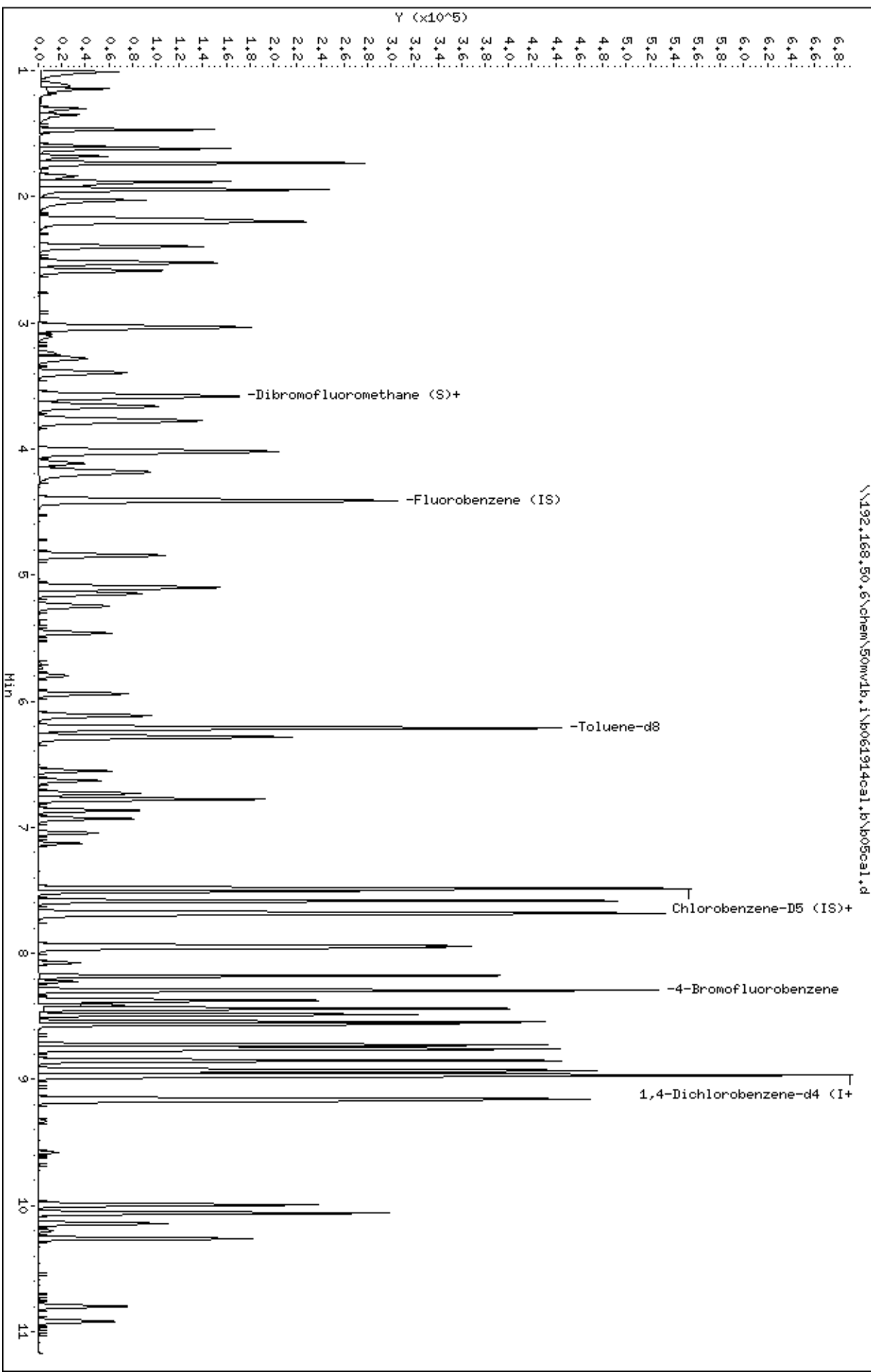
Review Codes Legend

:
 WP: Indicates that the wrong peak was chosen by the data system.

Data File: \\192.168.50.6\chem\50mvlb.i\k061914cal.b\k05cal.d
Date: 19-JUN-2014 16:20
Client ID: 8260-CAL5,71101:0
Sample Info: 8260-CAL5,71101:0
Purge Volume: 5.0
Column phase: DB-624

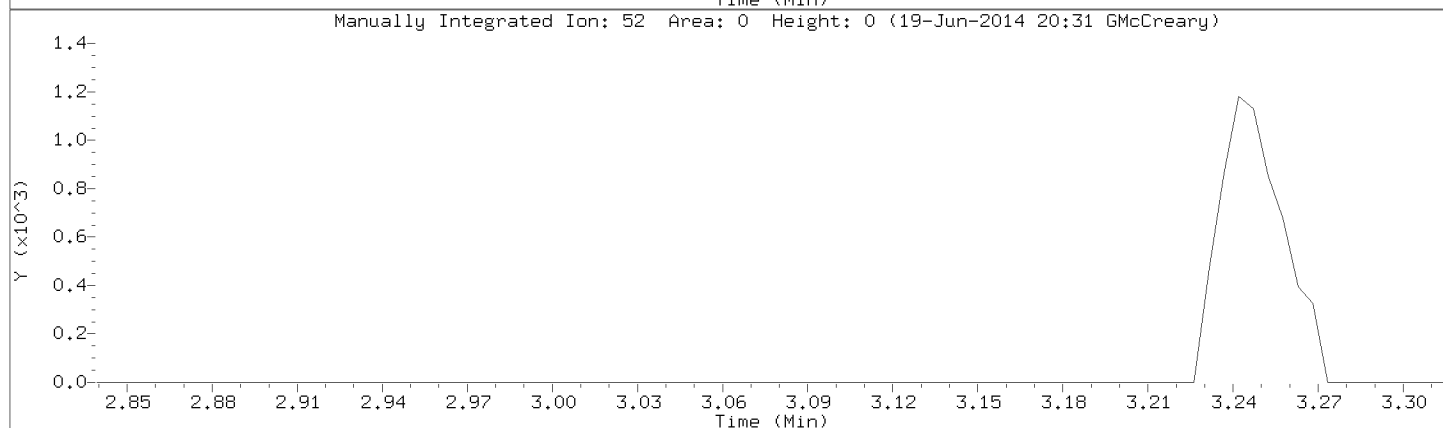
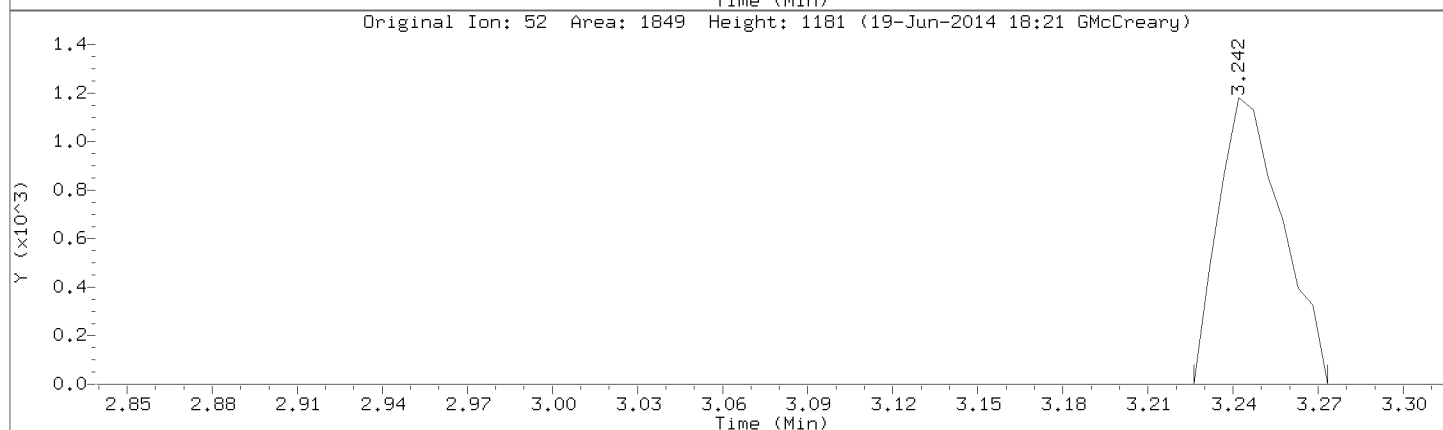
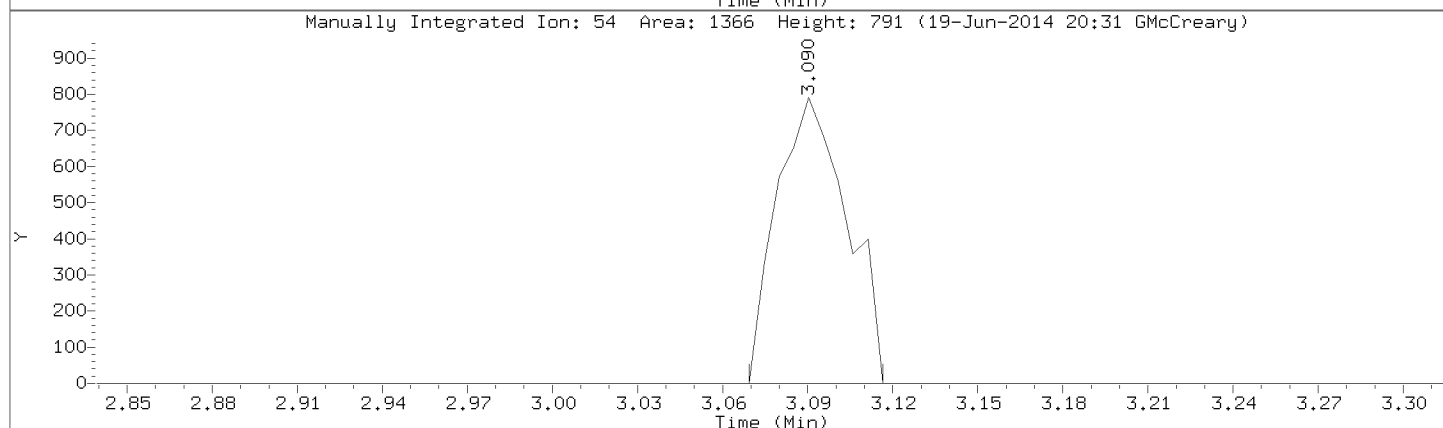
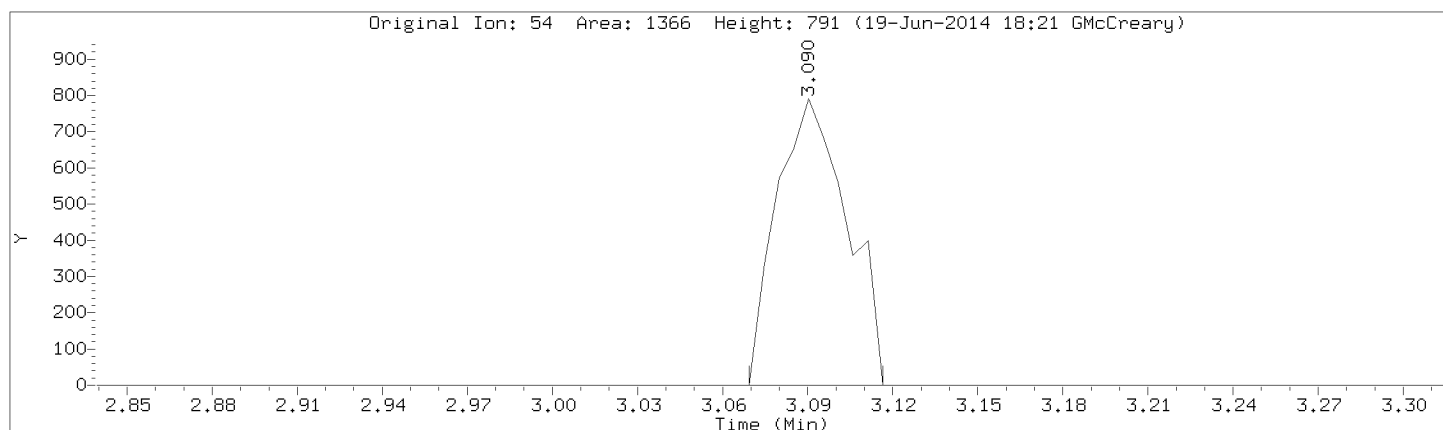
Instrument: 50mvlb.i
Operator: grm
Column diameter: 0.18

\\192.168.50.6\chem\50mvlb.i\k061914cal.b\k05cal.d

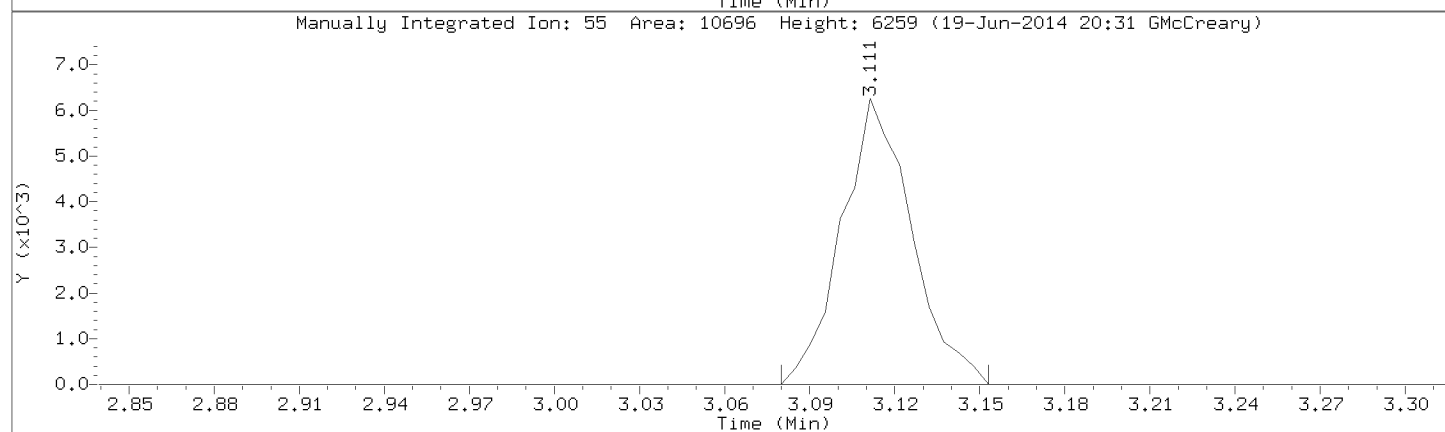
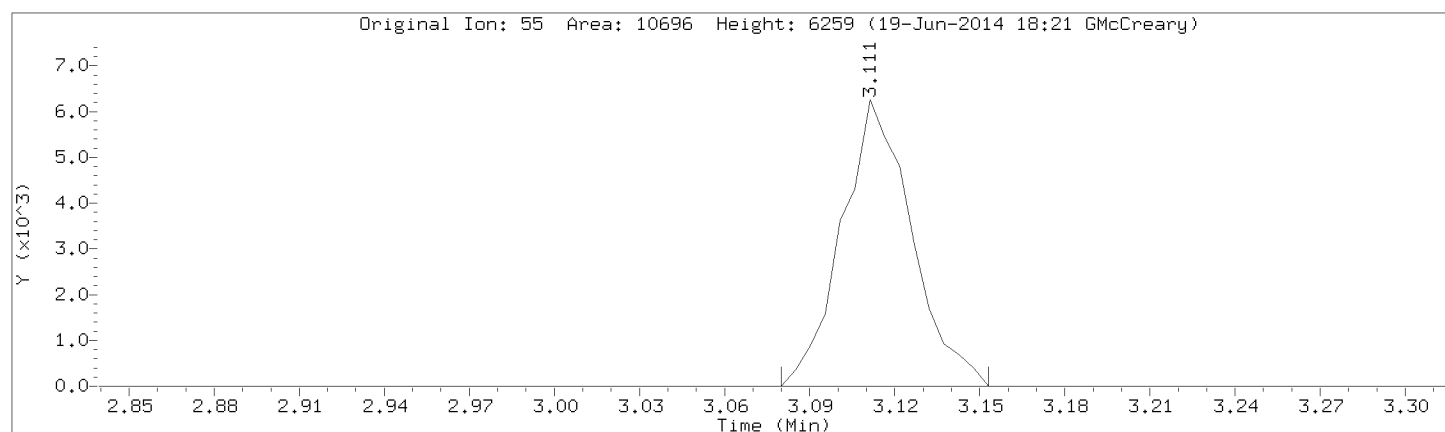


Data File: \\192.168.50.6\chem\50mvlb.i\b061914cal.b\b05cal.d
Injection Date: 19-JUN-2014 16:20
Instrument: 50mvlb.i
Lab Sample ID: 8260-CAL5,71101:0

Compound: Propionitrile
CAS Number: 107-12-0



Data File: \\192.168.50.6\chem\50mvlb.i\b061914cal.b\b05cal.d
Injection Date: 19-JUN-2014 16:20
Instrument: 50mvlb.i
Lab Sample ID: 8260-CAL5,71101:0



Pace Analytical Services, Inc.

Data file : \\192.168.50.6\chem\50mv1b.i\b061914cal.b\b06cal.d
 Lab Smp Id: 8260-CAL6,71102:0 Client Smp ID: 8260-CAL6,71102:0
 Inj Date : 19-JUN-2014 16:54
 Operator : grm Inst ID: 50mv1b.i
 Smp Info : 8260-cal6,71102:0
 Misc Info : 65942
 Comment :
 Method : \\192.168.50.6\chem\50mv1b.i\b061914cal.b\b8260_a_c.m
 Meth Date : 20-Jun-2014 09:15 hbanter Quant Type: ISTD
 Cal Date : 02-JUN-2014 17:56 Cal File: b09cal.d
 Als bottle: 14 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	MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS		REVIEW C
								CAL-AMT (ppb)	ON-COL (ppb)	
1 Dichlorodifluoromethane	85			1.012	1.010	(0.229)	129638	50.0000	54.0	
2 Chloromethane	50			1.116	1.120	(0.253)	96140	50.0000	51.4	
3 Vinyl Chloride	62			1.147	1.146	(0.260)	103172	50.0000	54.4	
4 Bromomethane	94			1.299	1.303	(0.295)	59343	50.0000	49.7	
5 Chloroethane	64			1.351	1.350	(0.307)	60193	50.0000	52.4	
6 Trichlorofluoromethane	101			1.472	1.470	(0.334)	162061	50.0000	52.2	
7 Diethyl ether	74			1.597	1.601	(0.362)	31567	50.0000	51.2	
8 1,2-dichlorotrifluoroethane	67			1.618	1.617	(0.367)	112333	50.0000	51.0	
9 Acrolein	56			1.675	1.680	(0.380)	82153	1000.00	1050	
10 1,1,2trichlorotrifluoroethane	101			1.733	1.732	(0.393)	86951	50.0000	50.1	
11 1,1-Dichloroethene	96			1.738	1.737	(0.394)	74484	50.0000	51.4	
12 Acetone	43			1.749	1.747	(0.397)	39279	250.000	240	
13 Iodomethane	142			1.832	1.831	(0.416)	140656	100.000	104	
14 Carbon Disulfide	76			1.885	1.883	(0.427)	473600	100.000	101	
15 Methyl Acetate	43			1.926	1.925	(0.437)	19146	50.0000	51.1	
16 Acetonitrile	39			1.942	1.946	(0.440)	165950	1000.00	1020	
17 allyl chloride	41			1.942	1.946	(0.440)	198924	100.000	105	
18 Methylene Chloride	84			2.026	2.025	(0.459)	94441	50.0000	54.2	
19 tert-Butyl Alcohol	59			2.068	2.072	(0.469)	5016	100.000	102	
20 Acrylonitrile	53			2.172	2.171	(0.493)	189003	1000.00	1020	
21 Methyl-tert-butyl ether	73			2.193	2.192	(0.497)	263495	100.000	101	
22 1,2-Dichloroethene (trans)	96			2.204	2.208	(0.500)	77443	50.0000	50.6	
24 n-Hexane	57			2.397	2.396	(0.544)	121906	50.0000	48.9	

Compounds	QUANT	SIG						AMOUNTS		REVIEW C
			MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ppb)	ON-COL (ppb)	
25 Vinyl Acetate	43		2.517	2.521	(0.571)	283259	200.000	220		
26 1,1-Dichloroethane	63		2.533	2.532	(0.574)	141114	50.0000	50.2		
27 Chloroprene	53		2.585	2.584	(0.586)	128691	50.0000	51.4		
28 2-Butanone	43		3.024	3.023	(0.686)	62254	250.000	249		
29 1,2-Dichloroethene (cis)	96		3.035	3.034	(0.688)	83645	50.0000	51.0		
30 2,2-Dichloropropane	77		3.040	3.039	(0.689)	106413	50.0000	53.6		
31 Propionitrile	54		3.087	3.091	(0.700)	3267	50.0000	48.0(T)		
32 Methacrylonitrile	41		3.244	3.237	(0.736)	18277	250.000	258		
33 Bromochloromethane	49		3.280	3.279	(0.744)	39987	50.0000	52.6		
34 Tetrahydrofuran	42		3.301	3.300	(0.749)	6648	50.0000	55.1		
35 Chloroform	83		3.396	3.400	(0.770)	152131	50.0000	51.1		
37 1,1,1-Trichloroethane	97		3.578	3.577	(0.812)	131813	50.0000	52.8		
\$ 38 Dibromofluoromethane (S)	113		3.584	3.583	(0.813)	64467	50.0000	49.6		
39 Cyclohexane	56		3.657	3.661	(0.829)	118718	50.0000	52.2		
40 Carbon Tetrachloride	117		3.772	3.771	(0.855)	105309	50.0000	52.7		
41 1,1-Dichloropropene	75		3.782	3.776	(0.858)	127429	50.0000	52.7		
42 Benzene	78		4.028	4.027	(0.913)	308005	50.0000	51.4		
43 1,2-Dichloroethane	62		4.112	4.116	(0.932)	92721	50.0000	51.0		
44 Isobutyl alcohol	43		4.185	4.184	(0.949)	52254	50.0000	54.2		
45 2,2,4-Trimethylpentane	57		4.185	4.184	(0.949)	296577	50.0000	53.2		
* 46 Fluorobenzene (IS)	96		4.410	4.409	(1.000)	272572	50.0000			
47 Trichloroethene	95		4.844	4.842	(1.098)	90746	50.0000	51.6		
48 Methylcyclohexane	55		5.100	5.099	(1.156)	110948	50.0000	54.4		
49 1,2-Dichloropropane	63		5.142	5.146	(1.166)	67550	50.0000	50.6		
50 Dibromomethane	93		5.241	5.240	(1.188)	32820	50.0000	51.7		
51 1,4-Dioxane	88		5.251	5.250	(1.191)	6621	1000.00			
52 Methyl methacrylate	69		5.251	5.255	(1.191)	27061	50.0000	54.4		
53 Bromodichloromethane	83		5.455	5.459	(1.237)	100634	50.0000	52.9		
54 2-Chloroethyl vinyl ether	63		5.800	5.799	(0.775)	22238	100.000	95.5		
55 cis-1,3-Dichloropropene	75		5.942	5.940	(0.794)	108705	50.0000	55.0		
56 4-Methyl-2-Pentanone	43		6.114	6.113	(0.817)	149012	250.000	270		
\$ 57 Toluene-d8	98		6.213	6.212	(0.830)	272565	50.0000	49.7		
58 Toluene	91		6.281	6.285	(0.839)	343653	50.0000	50.1		
59 trans-1,3-Dichloropropene	75		6.553	6.552	(0.876)	77533	50.0000	47.3		
60 Ethyl Methacrylate	69		6.626	6.625	(0.885)	63872	50.0000	54.9		
61 1,1,2-Trichloroethane	83		6.731	6.730	(0.899)	41572	50.0000	51.2		
62 Tetrachloroethene	166		6.778	6.777	(0.906)	105749	50.0000	49.6		
63 1,3-Dichloropropane	76		6.867	6.866	(0.918)	92966	50.0000	50.9		
64 2-Hexanone	43		6.930	6.928	(0.926)	101778	250.000	269		
65 Dibromochloromethane	129		7.045	7.043	(0.941)	55465	50.0000	53.1		
66 1,2-Dibromoethane	107		7.128	7.127	(0.952)	45650	50.0000	52.6		
* 67 Chlorobenzene-D5 (IS)	117		7.484	7.488	(1.000)	208758	50.0000			
68 Chlorobenzene	112		7.510	7.509	(1.003)	213673	50.0000	50.8		
69 1,1,1,2-Tetrachloroethane	131		7.583	7.582	(1.013)	69256	50.0000	52.4		
70 Ethylbenzene	106		7.583	7.587	(1.013)	124730	50.0000	52.1		
71 m&p-Xylene	106		7.682	7.681	(1.027)	305393	100.000	104		
72 o-Xylene	106		7.939	7.937	(1.061)	150856	50.0000	54.2		
73 Styrene	104		7.954	7.953	(1.063)	245983	50.0000	53.0		
74 Bromoform	173		8.075	8.079	(0.901)	32398	50.0000	48.0		
75 Isopropylbenzene	105		8.179	8.178	(1.093)	435653	50.0000	54.4		
\$ 76 4-Bromofluorobenzene	95		8.289	8.293	(1.108)	111870	50.0000	50.4		
77 Bromobenzene	77		8.373	8.371	(1.119)	161706	50.0000	51.3		
79 1,1,2,2-Tetrachloroethane	83		8.383	8.382	(0.935)	55500	50.0000	52.3		
80 trans-1,4-Dichloro-2-butene	53		8.399	8.398	(1.122)	11985	50.0000	54.7(Q)		

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS		REVIEW C
						CAL-AMT (ppb)	ON-COL (ppb)	
81 1,2,3-Trichloropropane	110	8.409	8.413 (0.938)		17349	50.0000	52.5	
82 n-Propylbenzene	91	8.435	8.434 (0.941)		534827	50.0000	54.9	
83 2-Chlorotoluene	91	8.488	8.486 (0.947)		311708	50.0000	52.3	
84 1,3,5-Trimethylbenzene	105	8.545	8.544 (0.953)		370950	50.0000	54.6	
85 4-Chlorotoluene	126	8.561	8.560 (0.955)		92214	50.0000	51.8	
86 tert-Butylbenzene	119	8.723	8.722 (0.973)		344431	50.0000	54.8	
87 1,2,4-Trimethylbenzene	105	8.759	8.758 (0.977)		357460	50.0000	54.1	
88 sec-Butylbenzene	105	8.848	8.847 (0.987)		485821	50.0000	54.1	
89 1,3-Dichlorobenzene	146	8.922	8.920 (0.995)		187731	50.0000	51.2	
90 p-Isopropyltoluene	119	8.932	8.936 (0.997)		409301	50.0000	54.5	
* 91 1,4-Dichlorobenzene-d4 (IS)	152	8.963	8.967 (1.000)		115220	50.0000		
92 1,4-Dichlorobenzene	146	8.979	8.978 (1.002)		177490	50.0000	51.0	
93 n-Butylbenzene	91	9.152	9.150 (1.021)		419124	50.0000	53.4	
94 1,2-Dichlorobenzene	146	9.172	9.171 (1.023)		160437	50.0000	50.7	
95 1,2-Dibromo-3-chloropropane	155	9.580	9.579 (1.069)		7161	50.0000	45.0	
96 1,2,4-Trichlorobenzene	180	9.998	9.992 (1.115)		141685	50.0000	53.8	
97 Hexachlorobutadiene	225	10.061	10.060 (1.122)		116630	50.0000	51.6	
98 Naphthalene	128	10.145	10.144 (1.132)		182708	50.0000	58.4	
99 1,2,3-Trichlorobenzene	180	10.260	10.259 (1.145)		119708	50.0000	52.5	
100 2,methyl-naphthalene	142	10.798	10.797 (1.205)		92727	50.0000	50.3	
101 1-methylnaphthalene	142	10.919	10.917 (1.218)		79707	50.0000	49.8	

QC Flag Legend

T - Target compound detected outside RT window.
 Q - Qualifier signal failed the ratio test.

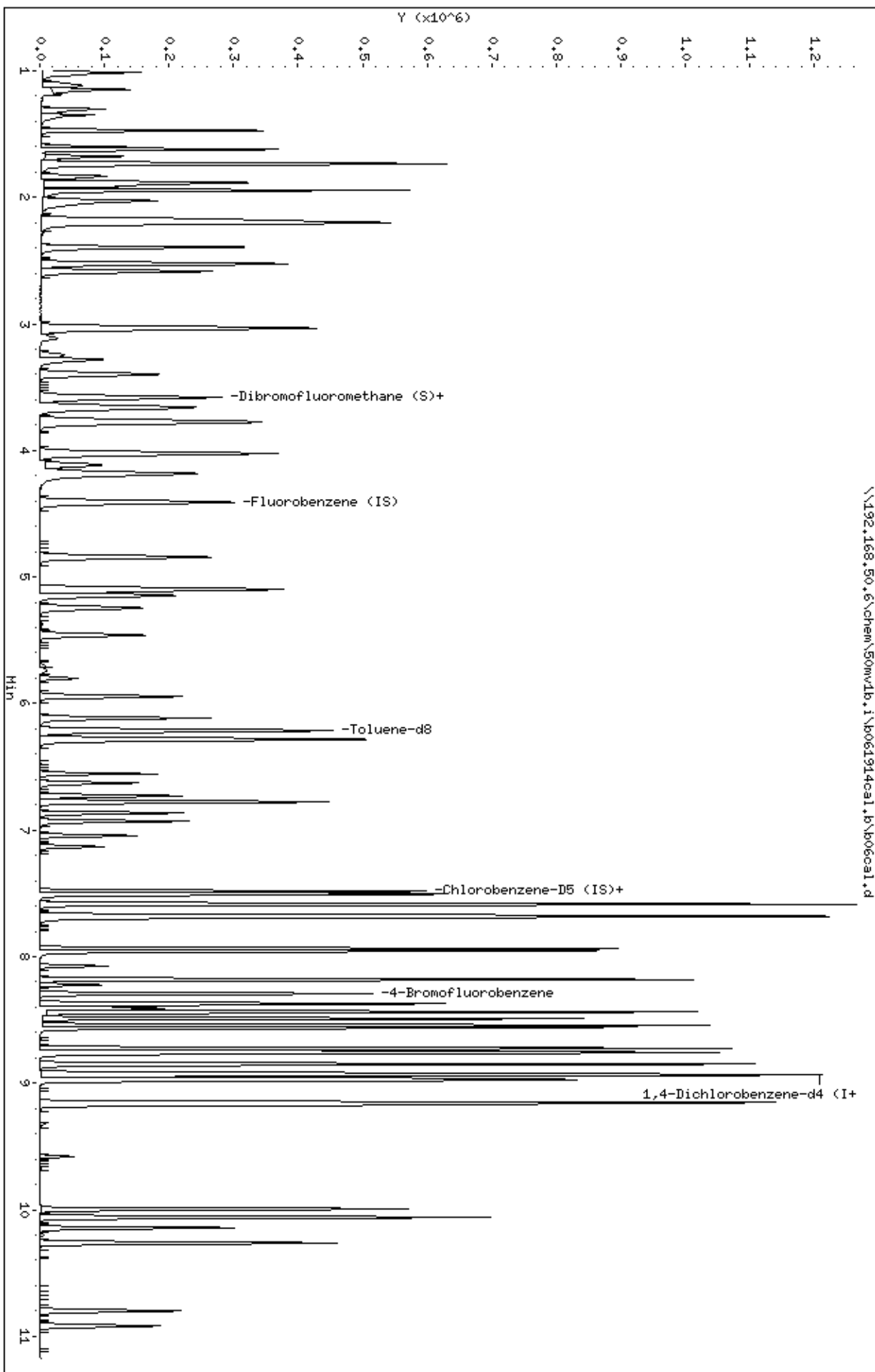
Review Codes Legend

:

Data File: \\192.168.50.6\chem\50mvlb.i\k061914cal.b\k06cal.d
Date: 19-JUN-2014 16:54
Client ID: 8260-CAL6,71102:0
Sample Info: 8260-CAL6,71102:0
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50mvlb.i
Operator: grm
Column diameter: 0.18

\\192.168.50.6\chem\50mvlb.i\k061914cal.b\k06cal.d



Data File: \\192.168.50.6\chem\50mv1b.i\b061914cal.b\b06cal.d
Injection Date: 19-JUN-2014 16:54
Instrument: 50mv1b.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\50mv1b.i\b061914cal.b\b07cal.d
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 Inj Date : 19-JUN-2014 17:27
 Operator : grm Inst ID: 50mv1b.i
 Smp Info : 8260-cal7,71103:0
 Misc Info : 65942
 Comment :
 Method : \\192.168.50.6\chem\50mv1b.i\b061914cal.b\b8260_a_c.m
 Meth Date : 20-Jun-2014 09:15 hbanter Quant Type: ISTD
 Cal Date : 02-JUN-2014 17:56 Cal File: b09cal.d
 Als bottle: 16 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	MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS		REVIEW C
								CAL-AMT (ppb)	ON-COL (ppb)	
1 Dichlorodifluoromethane	85			1.010	1.010	(0.229)	371649	150.000	146	
2 Chloromethane	50			1.114	1.120	(0.253)	289859	150.000	146	
3 Vinyl Chloride	62			1.146	1.146	(0.260)	292282	150.000	145	
4 Bromomethane	94			1.297	1.303	(0.294)	200491	150.000	154	
5 Chloroethane	64			1.344	1.350	(0.305)	175910	150.000	144	
6 Trichlorofluoromethane	101			1.470	1.470	(0.334)	479558	150.000	145	
7 Diethyl ether	74			1.601	1.601	(0.363)	94832	150.000	145	
8 1,2-dichlorotrifluoroethane	67			1.616	1.617	(0.367)	318194	150.000	136	
9 Acrolein	56			1.679	1.680	(0.381)	254115	3000.00	3060	
10 1,1,2trichlorotrifluoroethane	101			1.731	1.732	(0.393)	252039	150.000	137	
11 1,1-Dichloroethene	96			1.737	1.737	(0.394)	213203	150.000	139	
12 Acetone	43			1.752	1.747	(0.398)	112224	750.000	645	
13 Iodomethane	142			1.831	1.831	(0.415)	450335	300.000	299	
14 Carbon Disulfide	76			1.883	1.883	(0.427)	1364238	300.000	275	
15 Methyl Acetate	43			1.925	1.925	(0.437)	58347	150.000	147	
16 Acetonitrile	39			1.946	1.946	(0.441)	475148	3000.00	2760	
17 allyl chloride	41			1.946	1.946	(0.441)	571892	300.000	285 (M)	NI
18 Methylene Chloride	84			2.024	2.025	(0.459)	239000	150.000	154	
19 tert-Butyl Alcohol	59			2.071	2.072	(0.470)	16601	300.000	316 (QM)	WP
20 Acrylonitrile	53			2.170	2.171	(0.492)	558768	3000.00	2840	
21 Methyl-tert-butyl ether	73			2.191	2.192	(0.497)	759944	300.000	274	
22 1,2-Dichloroethene (trans)	96			2.207	2.208	(0.501)	226518	150.000	139	
24 n-Hexane	57			2.395	2.396	(0.543)	364933	150.000	138	

Compounds	QUANT MASS	SIG	AMOUNTS				REVIEW C		
			RT	EXP RT	REL RT	RESPONSE		CAL-AMT (ppb)	ON-COL (ppb)
25 Vinyl Acetate	43		2.521	2.521	(0.572)	828610	600.000	605	
26 1,1-Dichloroethane	63		2.531	2.532	(0.574)	412567	150.000	138	
27 Chloroprene	53		2.583	2.584	(0.586)	375672	150.000	141	
28 2-Butanone	43		3.023	3.023	(0.686)	178403	750.000	671	
29 1,2-Dichloroethene (cis)	96		3.033	3.034	(0.688)	245763	150.000	141	
30 2,2-Dichloropropane	77		3.038	3.039	(0.689)	336667	150.000	160	
31 Propionitrile	54		3.091	3.091	(0.701)	11767	150.000	154 (Q)	
32 Methacrylonitrile	41		3.242	3.237	(0.736)	59245	750.000	789	
33 Bromochloromethane	49		3.279	3.279	(0.744)	101568	150.000	126	
34 Tetrahydrofuran	42		3.300	3.300	(0.749)	19543	150.000	153	
35 Chloroform	83		3.394	3.400	(0.770)	441288	150.000	140	
37 1,1,1-Trichloroethane	97		3.582	3.577	(0.813)	412317	150.000	155	
\$ 38 Dibromofluoromethane (S)	113		3.587	3.583	(0.814)	65290	50.0000	47.4	
39 Cyclohexane	56		3.660	3.661	(0.830)	357561	150.000	148	
40 Carbon Tetrachloride	117		3.770	3.771	(0.855)	337484	150.000	159	
41 1,1-Dichloropropene	75		3.781	3.776	(0.858)	379393	150.000	148	
42 Benzene	78		4.026	4.027	(0.913)	915845	150.000	144	
43 1,2-Dichloroethane	62		4.115	4.116	(0.934)	274387	150.000	142	
44 Isobutyl alcohol	43		4.183	4.184	(0.949)	154375	150.000	151	
45 2,2,4-Trimethylpentane	57		4.183	4.184	(0.949)	880978	150.000	149	
* 46 Fluorobenzene (IS)	96		4.408	4.409	(1.000)	289406	50.0000		
47 Trichloroethene	95		4.842	4.842	(1.098)	275098	150.000	147	
48 Methylcyclohexane	55		5.098	5.099	(1.157)	329866	150.000	152	
49 1,2-Dichloropropane	63		5.145	5.146	(1.167)	205191	150.000	145	
50 Dibromomethane	93		5.239	5.240	(1.189)	101089	150.000	150	
51 1,4-Dioxane	88		5.250	5.250	(1.191)	21164	3000.00		
52 Methyl methacrylate	69		5.250	5.255	(1.191)	84501	150.000	160	
53 Bromodichloromethane	83		5.459	5.459	(1.238)	317674	150.000	157	
54 2-Chloroethyl vinyl ether	63		5.799	5.799	(0.774)	60420	300.000	241	
55 cis-1,3-Dichloropropene	75		5.940	5.940	(0.793)	355736	150.000	167	
56 4-Methyl-2-Pentanone	43		6.112	6.113	(0.816)	441687	750.000	745	
\$ 57 Toluene-d8	98		6.212	6.212	(0.830)	284816	50.0000	48.2	
58 Toluene	91		6.285	6.285	(0.839)	1003558	150.000	136	
59 trans-1,3-Dichloropropene	75		6.552	6.552	(0.875)	279322	150.000	151	
60 Ethyl Methacrylate	69		6.625	6.625	(0.885)	200565	150.000	160	
61 1,1,2-Trichloroethane	83		6.729	6.730	(0.899)	125436	150.000	144	
62 Tetrachloroethene	166		6.776	6.777	(0.905)	308927	150.000	134	
63 1,3-Dichloropropane	76		6.865	6.866	(0.917)	281135	150.000	143	
64 2-Hexanone	43		6.928	6.928	(0.925)	315714	750.000	776	
65 Dibromochloromethane	129		7.043	7.043	(0.941)	183664	150.000	163	
66 1,2-Dibromoethane	107		7.127	7.127	(0.952)	146063	150.000	156	
* 67 Chlorobenzene-D5 (IS)	117		7.487	7.488	(1.000)	224682	50.0000		
68 Chlorobenzene	112		7.508	7.509	(1.003)	629067	150.000	139	
69 1,1,1,2-Tetrachloroethane	131		7.581	7.582	(1.013)	219632	150.000	154	
70 Ethylbenzene	106		7.587	7.587	(1.013)	373205	150.000	145	
71 m&p-Xylene	106		7.681	7.681	(1.026)	888152	300.000	282	
72 o-Xylene	106		7.937	7.937	(1.060)	452380	150.000	151	
73 Styrene	104		7.953	7.953	(1.062)	715199	150.000	143	
74 Bromoform	173		8.078	8.079	(0.901)	112893	150.000	151	
75 Isopropylbenzene	105		8.177	8.178	(1.092)	1216019	150.000	141	
\$ 76 4-Bromofluorobenzene	95		8.292	8.293	(1.108)	119446	50.0000	50.0	
77 Bromobenzene	77		8.371	8.371	(1.118)	478762	150.000	141	
79 1,1,2,2-Tetrachloroethane	83		8.381	8.382	(0.935)	166045	150.000	150	
80 trans-1,4-Dichloro-2-butene	53		8.402	8.398	(1.122)	40455	150.000	172 (Q)	

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS		REVIEW C
						CAL-AMT (ppb)	ON-COL (ppb)	
81 1,2,3-Trichloropropane	110	8.413	8.413	(0.938)	51884	150.000	150	
82 n-Propylbenzene	91	8.434	8.434	(0.941)	1436435	150.000	141	
83 2-Chlorotoluene	91	8.486	8.486	(0.946)	889202	150.000	143	
84 1,3,5-Trimethylbenzene	105	8.543	8.544	(0.953)	1043404	150.000	147	
85 4-Chlorotoluene	126	8.559	8.560	(0.955)	276252	150.000	148	
86 tert-Butylbenzene	119	8.726	8.722	(0.973)	974402	150.000	148	
87 1,2,4-Trimethylbenzene	105	8.758	8.758	(0.977)	995681	150.000	144	
88 sec-Butylbenzene	105	8.847	8.847	(0.987)	1352011	150.000	144	
89 1,3-Dichlorobenzene	146	8.920	8.920	(0.995)	547046	150.000	142	
90 p-Isopropyltoluene	119	8.935	8.936	(0.997)	1130674	150.000	144	
* 91 1,4-Dichlorobenzene-d4 (IS)	152	8.967	8.967	(1.000)	120464	50.0000	(Q)	
92 1,4-Dichlorobenzene	146	8.977	8.978	(1.001)	527964	150.000	145	
93 n-Butylbenzene	91	9.150	9.150	(1.020)	1155334	150.000	141	
94 1,2-Dichlorobenzene	146	9.171	9.171	(1.023)	465042	150.000	140	
95 1,2-Dibromo-3-chloropropane	155	9.579	9.579	(1.068)	27094	150.000	148	
96 1,2,4-Trichlorobenzene	180	9.992	9.992	(1.114)	418147	150.000	152	
97 Hexachlorobutadiene	225	10.060	10.060	(1.122)	338077	150.000	143	
98 Naphthalene	128	10.143	10.144	(1.131)	564541	150.000	172	
99 1,2,3-Trichlorobenzene	180	10.258	10.259	(1.144)	348906	150.000	146	
100 2-methyl-naphthalene	142	10.797	10.797	(1.204)	305577	150.000	157	
101 1-methylnaphthalene	142	10.917	10.917	(1.217)	261836	150.000	154	

QC Flag Legend

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

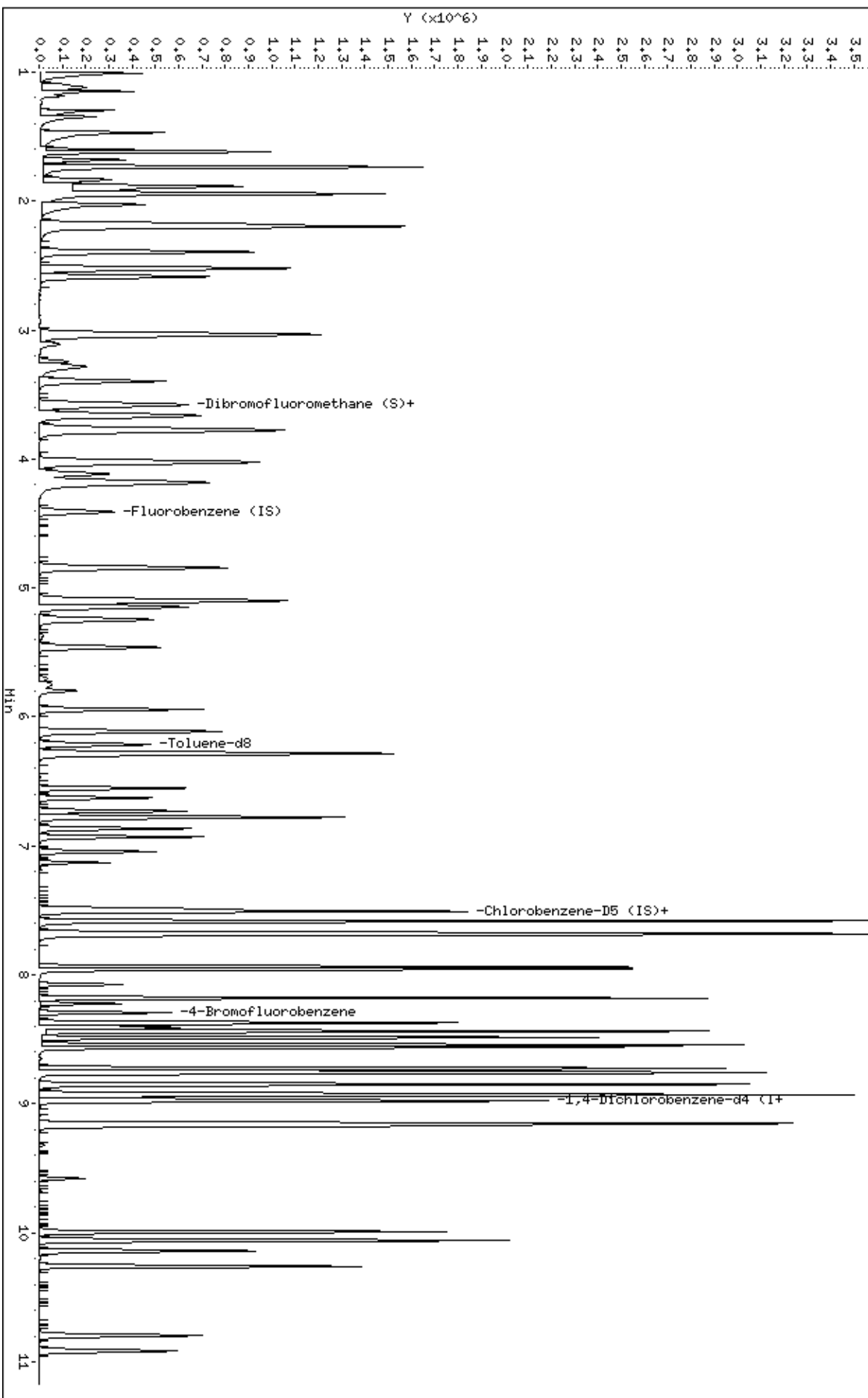
Review Codes Legend

:
 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\Sowwlb.i\B061914cal.i\B07cal.i.d
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Sample Info: 8260-CAL7,71103:0
Purge Volume: 5.0
Column phase: DB-624

Instrument: Sowwlb.i
Operator: grm
Column diameter: 0.18

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Data File: \\192.168.50.6\chem\50mvlb.i\b061914cal.b\b07cal.d

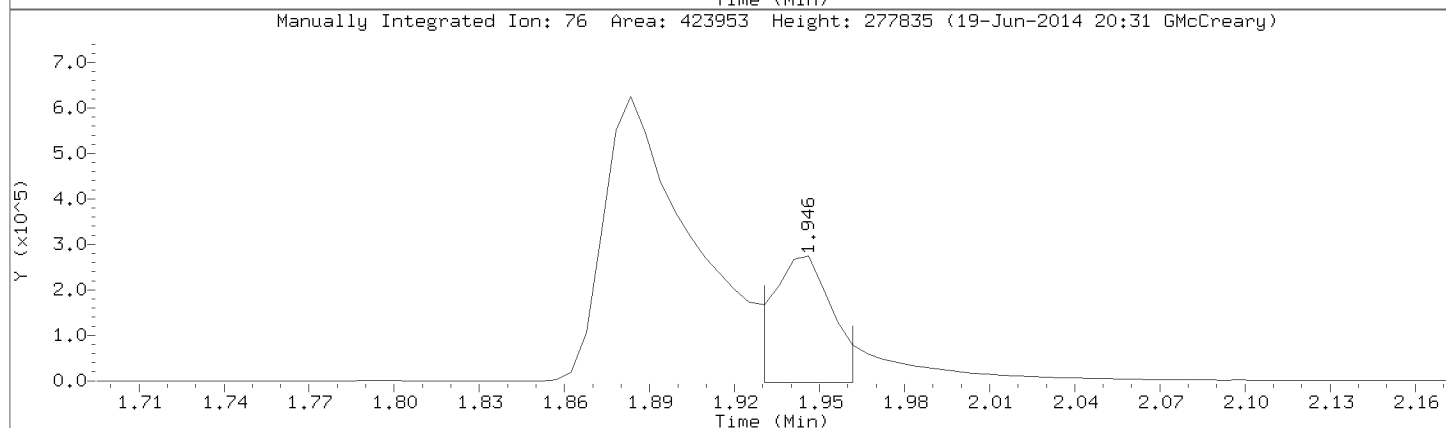
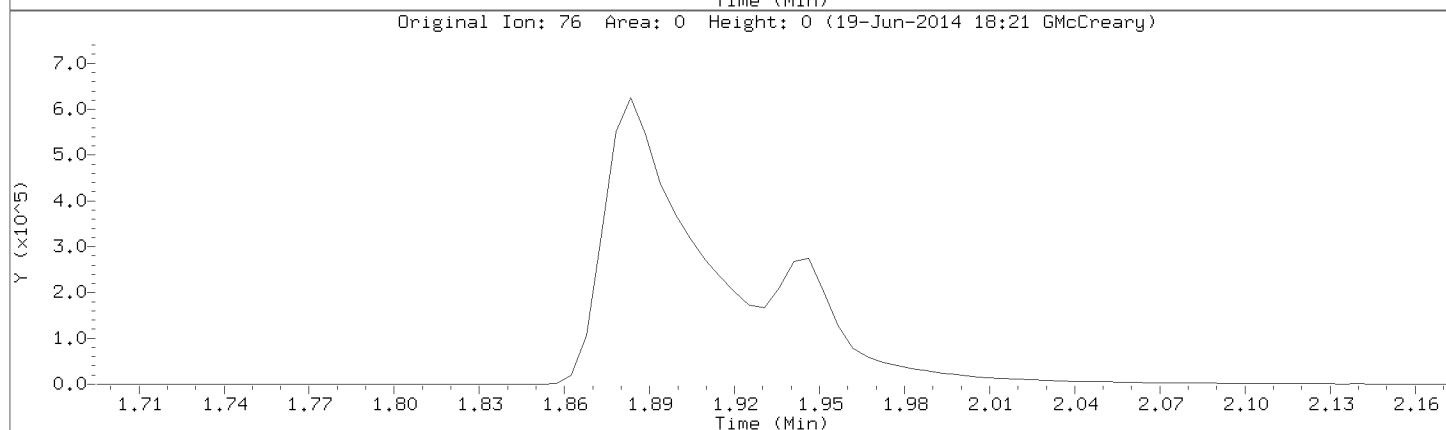
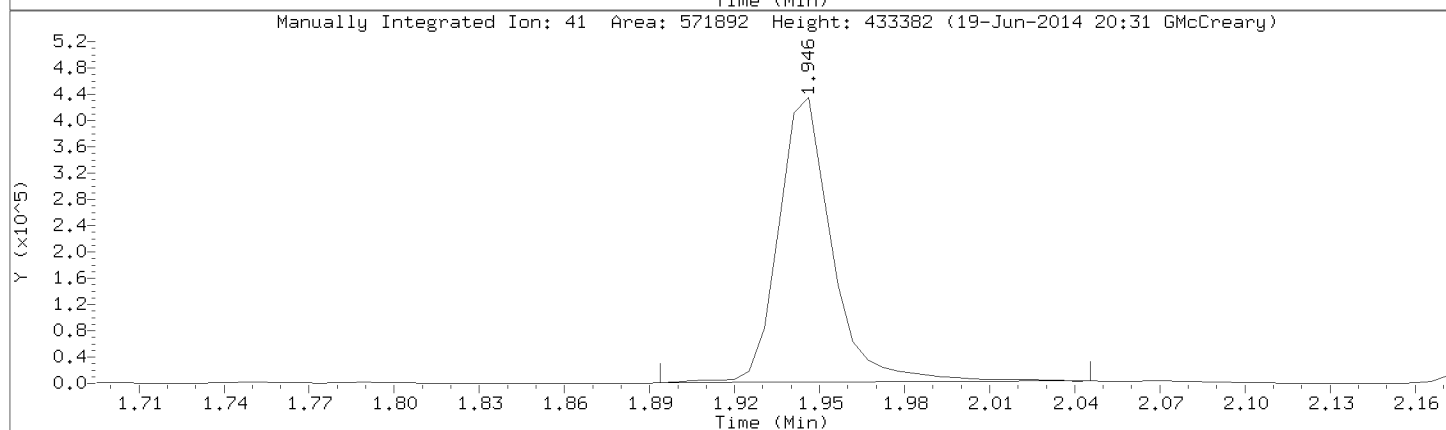
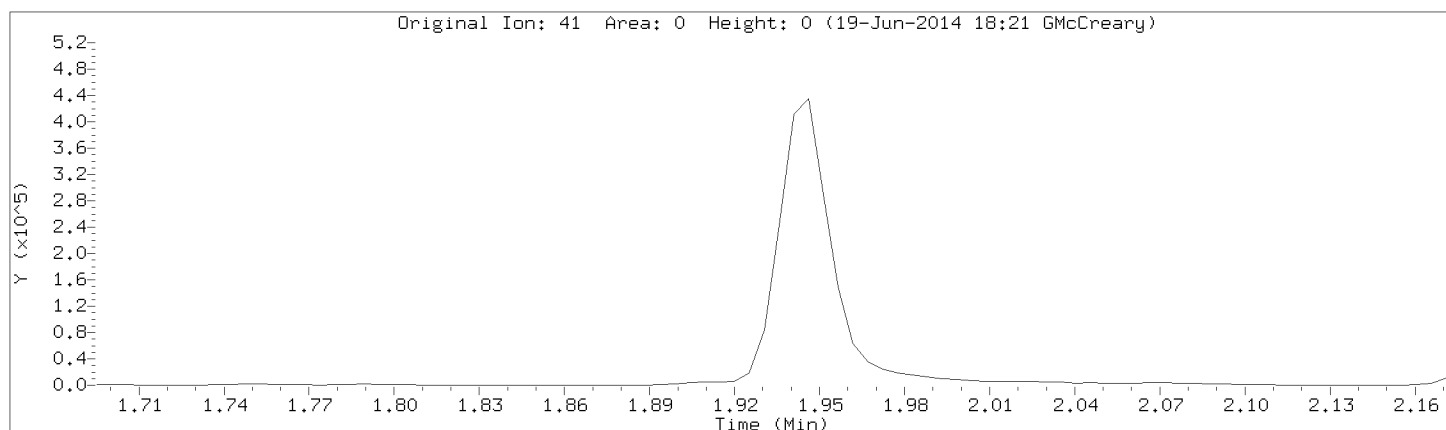
Injection Date: 19-JUN-2014 17:27

Instrument: 50mvlb.i

Lab Sample ID: 8260-CAL7,71103:0

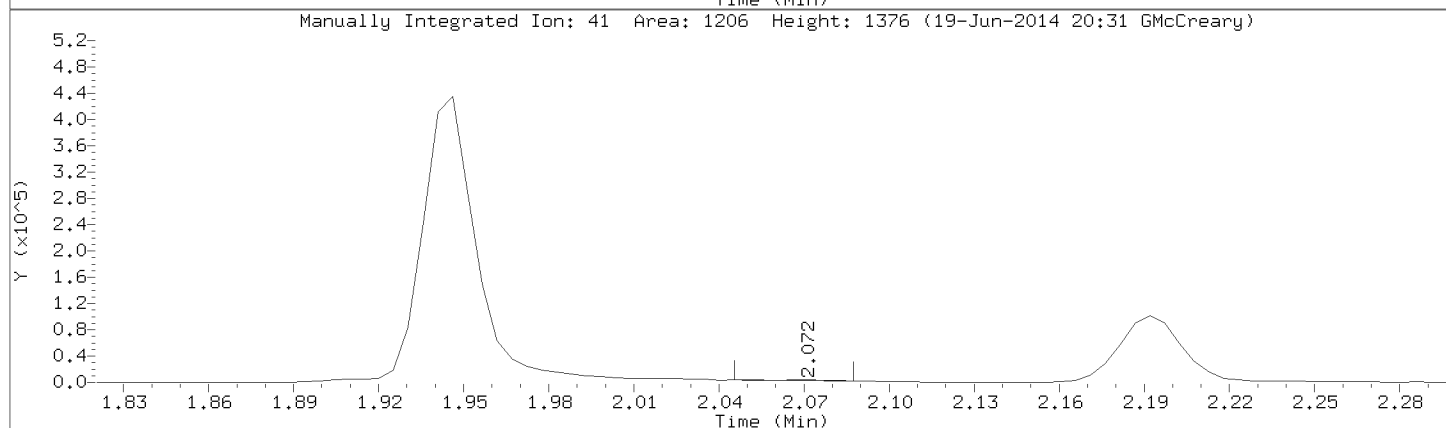
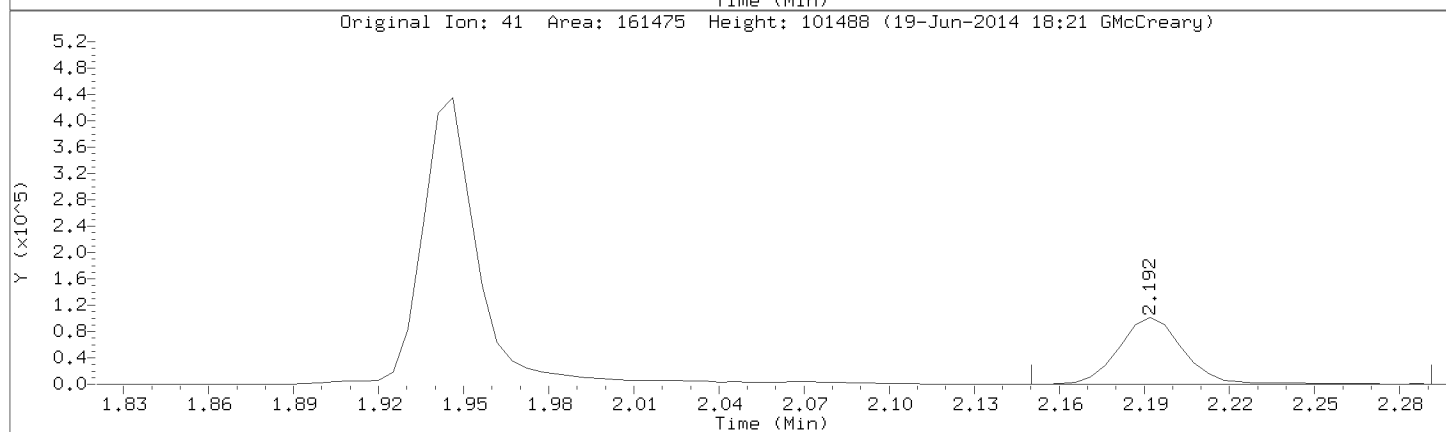
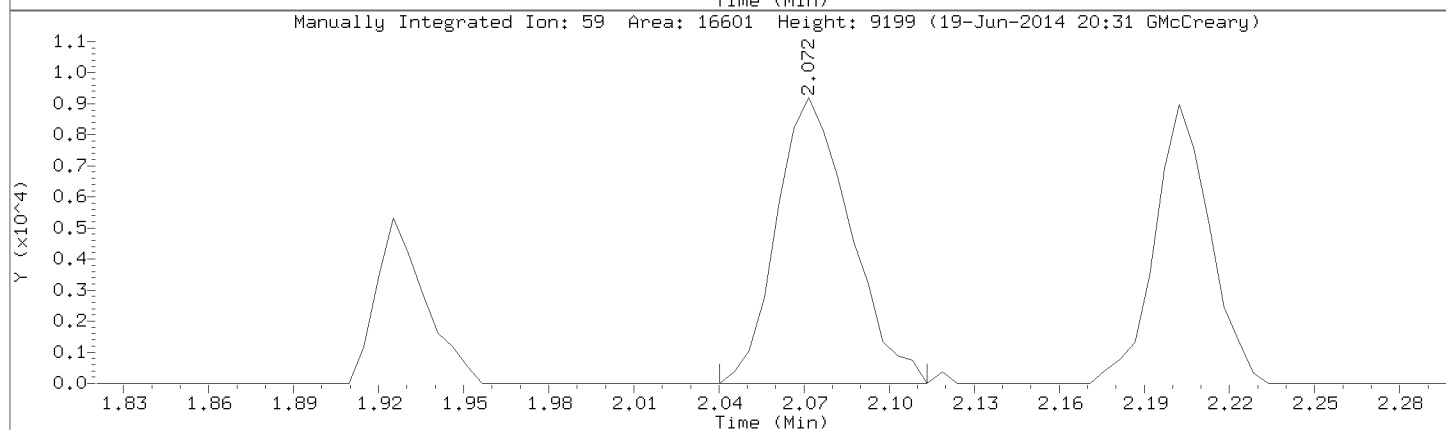
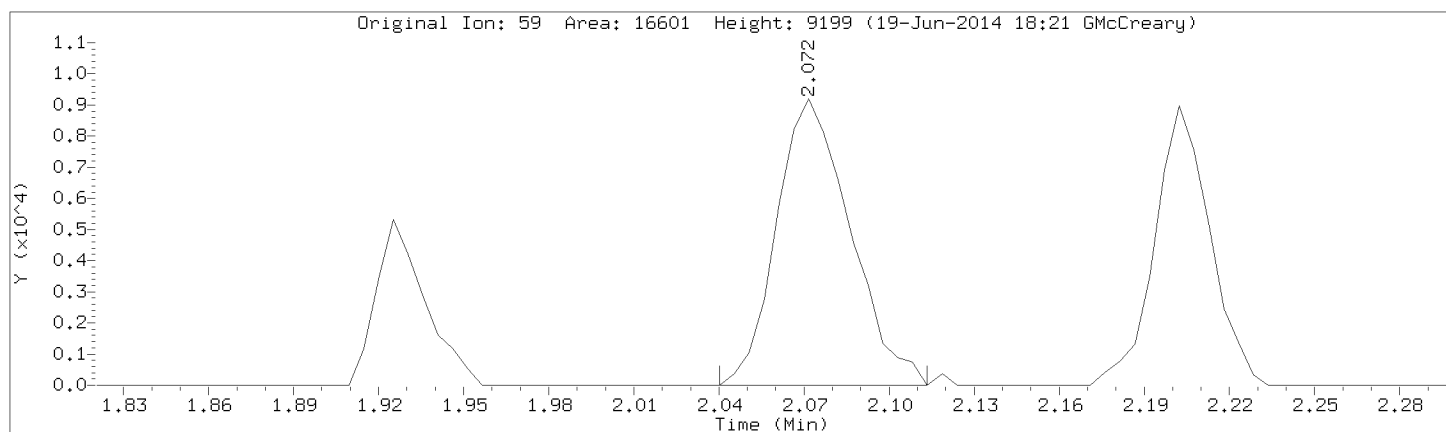
Compound: allyl chloride

CAS Number: 107-05-1



Data File: \\192.168.50.6\chem\50mvlb.i\b061914cal.b\b07cal.d
Injection Date: 19-JUN-2014 17:27
Instrument: 50mvlb.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\50mv1b.i\b061914cal.b\b08cal.d
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 Inj Date : 19-JUN-2014 18:01
 Operator : grm Inst ID: 50mv1b.i
 Smp Info : 8260-cal8,71104:0
 Misc Info : 65942
 Comment :
 Method : \\192.168.50.6\chem\50mv1b.i\b061914cal.b\b8260_a_c.m
 Meth Date : 20-Jun-2014 09:15 hbanter Quant Type: ISTD
 Cal Date : 02-JUN-2014 17:56 Cal File: b09cal.d
 Als bottle: 18 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 (ppb)	ON-COL (ppb)	
1 Dichlorodifluoromethane	85			1.010	1.010	(0.229)	748327	300.000	278	
2 Chloromethane	50			1.115	1.120	(0.253)	669258	300.000	320	
3 Vinyl Chloride	62			1.146	1.146	(0.260)	594422	300.000	280	
4 Bromomethane	94			1.292	1.303	(0.293)	413765	300.000	298	
5 Chloroethane	64			1.345	1.350	(0.305)	354932	300.000	276	
6 Trichlorofluoromethane	101			1.470	1.470	(0.334)	948363	300.000	272	
7 Diethyl ether	74			1.601	1.601	(0.363)	187973	300.000	272	
8 1,2-dichlorotrifluoroethane	67			1.616	1.617	(0.367)	636151	300.000	258	
9 Acrolein	56			1.679	1.680	(0.381)	500576	6000.00	5720	
10 1,1,2trichlorotrifluoroethane	101			1.731	1.732	(0.393)	499485	300.000	257	
11 1,1-Dichloroethene	96			1.737	1.737	(0.394)	447490	300.000	276	
12 Acetone	43			1.752	1.747	(0.398)	212508	1500.00	1160	
13 Iodomethane	142			1.831	1.831	(0.415)	794247	600.000	494	
14 Carbon Disulfide	76			1.878	1.883	(0.426)	2602913	600.000	497	
15 Methyl Acetate	43			1.925	1.925	(0.437)	118738	300.000	283	
16 Acetonitrile	39			1.946	1.946	(0.441)	866673	6000.00	4780	
17 allyl chloride	41			1.946	1.946	(0.441)	1090396	600.000	515 (M)	NI
18 Methylene Chloride	84			2.024	2.025	(0.459)	462690	300.000	297	
19 tert-Butyl Alcohol	59			2.077	2.072	(0.471)	32785	600.000	592 (M)	WP
20 Acrylonitrile	53			2.171	2.171	(0.492)	1101409	6000.00	5300	
21 Methyl-tert-butyl ether	73			2.192	2.192	(0.497)	1451456	600.000	496	
22 1,2-Dichloroethene (trans)	96			2.202	2.208	(0.500)	455875	300.000	266	
24 n-Hexane	57			2.395	2.396	(0.543)	732893	300.000	262	

Compounds	QUANT	SIG						AMOUNTS		REVIEW C
			MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ppb)	ON-COL (ppb)	
25 Vinyl Acetate	43		2.521	2.521	(0.572)	1603400	1200.00	1110		
26 1,1-Dichloroethane	63		2.531	2.532	(0.574)	823302	300.000	262		
27 Chloroprene	53		2.584	2.584	(0.586)	757970	300.000	270		
28 2-Butanone	43		3.023	3.023	(0.686)	342882	1500.00	1220		
29 1,2-Dichloroethene (cis)	96		3.033	3.034	(0.688)	494863	300.000	269		
30 2,2-Dichloropropane	77		3.038	3.039	(0.689)	700689	300.000	315		
31 Propionitrile	54		3.091	3.091	(0.701)	24398	300.000	298		
32 Methacrylonitrile	41		3.242	3.237	(0.736)	126830	1500.00	1600		
33 Bromochloromethane	49		3.284	3.279	(0.745)	201795	300.000	237		
34 Tetrahydrofuran	42		3.305	3.300	(0.750)	41648	300.000	308		
35 Chloroform	83		3.394	3.400	(0.770)	888667	300.000	266		
37 1,1,1-Trichloroethane	97		3.582	3.577	(0.813)	835925	300.000	298		
\$ 38 Dibromofluoromethane (S)	113		3.582	3.583	(0.813)	66841	50.0000	45.9		
39 Cyclohexane	56		3.661	3.661	(0.830)	757084	300.000	297		
40 Carbon Tetrachloride	117		3.770	3.771	(0.855)	704076	300.000	314		
41 1,1-Dichloropropene	75		3.781	3.776	(0.858)	763279	300.000	282		
42 Benzene	78		4.027	4.027	(0.913)	1856114	300.000	276		
43 1,2-Dichloroethane	62		4.115	4.116	(0.934)	549796	300.000	270		
44 Isobutyl alcohol	43		4.183	4.184	(0.949)	317586	300.000	294		
45 2,2,4-Trimethylpentane	57		4.183	4.184	(0.949)	1784620	300.000	285		
* 46 Fluorobenzene (IS)	96		4.408	4.409	(1.000)	305430	50.0000			
47 Trichloroethene	95		4.842	4.842	(1.098)	552076	300.000	280		
48 Methylcyclohexane	55		5.098	5.099	(1.157)	664824	300.000	291		
49 1,2-Dichloropropane	63		5.145	5.146	(1.167)	421215	300.000	282		
50 Dibromomethane	93		5.239	5.240	(1.189)	206311	300.000	290		
51 1,4-Dioxane	88		5.255	5.250	(1.192)	45736	6000.00			
52 Methyl methacrylate	69		5.250	5.255	(1.191)	174216	300.000	313		
53 Bromodichloromethane	83		5.459	5.459	(1.238)	655667	300.000	308		
54 2-Chloroethyl vinyl ether	63		5.799	5.799	(0.774)	145405	600.000	553		
55 cis-1,3-Dichloropropene	75		5.940	5.940	(0.793)	741578	300.000	333		
56 4-Methyl-2-Pentanone	43		6.113	6.113	(0.816)	879447	1500.00	1410		
\$ 57 Toluene-d8	98		6.212	6.212	(0.830)	297485	50.0000	48.0		
58 Toluene	91		6.285	6.285	(0.839)	1948148	300.000	251		
59 trans-1,3-Dichloropropene	75		6.552	6.552	(0.875)	588848	300.000	300		
60 Ethyl Methacrylate	69		6.625	6.625	(0.885)	419609	300.000	320		
61 1,1,2-Trichloroethane	83		6.729	6.730	(0.899)	255135	300.000	278		
62 Tetrachloroethene	166		6.776	6.777	(0.905)	629527	300.000	261		
63 1,3-Dichloropropane	76		6.865	6.866	(0.917)	574065	300.000	278		
64 2-Hexanone	43		6.928	6.928	(0.925)	631460	1500.00	1480		
65 Dibromochloromethane	129		7.043	7.043	(0.941)	384095	300.000	326		
66 1,2-Dibromoethane	107		7.127	7.127	(0.952)	295790	300.000	302		
* 67 Chlorobenzene-D5 (IS)	117		7.487	7.488	(1.000)	235697	50.0000			
68 Chlorobenzene	112		7.508	7.509	(1.003)	1252977	300.000	264		
69 1,1,1,2-Tetrachloroethane	131		7.582	7.582	(1.013)	452908	300.000	303		
70 Ethylbenzene	106		7.587	7.587	(1.013)	748312	300.000	277		
71 m&p-Xylene	106		7.681	7.681	(1.026)	1754330	600.000	531		
72 o-Xylene	106		7.937	7.937	(1.060)	912578	300.000	290		
73 Styrene	104		7.958	7.953	(1.063)	1409267	300.000	269		
74 Bromoform	173		8.073	8.079	(0.900)	247050	300.000	314		
75 Isopropylbenzene	105		8.178	8.178	(1.092)	2237683	300.000	247		
\$ 76 4-Bromofluorobenzene	95		8.293	8.293	(1.108)	120819	50.0000	48.2		
77 Bromobenzene	77		8.371	8.371	(1.118)	941853	300.000	264		
79 1,1,2,2-Tetrachloroethane	83		8.381	8.382	(0.935)	331804	300.000	289		
80 trans-1,4-Dichloro-2-butene	53		8.402	8.398	(1.122)	86301	300.000	349		

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS		REVIEW C
						CAL-AMT (ppb)	ON-COL (ppb)	
81 1,2,3-Trichloropropane	110	8.413	8.413	(0.938)	101955	300.000	285	
82 n-Propylbenzene	91	8.434	8.434	(0.941)	2582873	300.000	245	
83 2-Chlorotoluene	91	8.486	8.486	(0.946)	1691496	300.000	262	
84 1,3,5-Trimethylbenzene	105	8.544	8.544	(0.953)	1926166	300.000	262	
85 4-Chlorotoluene	126	8.564	8.560	(0.955)	566073	300.000	294	
86 tert-Butylbenzene	119	8.727	8.722	(0.973)	1834156	300.000	270	
87 1,2,4-Trimethylbenzene	105	8.758	8.758	(0.977)	1845304	300.000	258	
88 sec-Butylbenzene	105	8.847	8.847	(0.987)	2463842	300.000	253	
89 1,3-Dichlorobenzene	146	8.920	8.920	(0.995)	1068817	300.000	269	
90 p-Isopropyltoluene	119	8.936	8.936	(0.997)	2067476	300.000	254	
* 91 1,4-Dichlorobenzene-d4 (IS)	152	8.967	8.967	(1.000)	124709	50.0000	(Q)	
92 1,4-Dichlorobenzene	146	8.977	8.978	(1.001)	1047796	300.000	278	
93 n-Butylbenzene	91	9.150	9.150	(1.020)	2103932	300.000	248	
94 1,2-Dichlorobenzene	146	9.171	9.171	(1.023)	923965	300.000	270	
95 1,2-Dibromo-3-chloropropane	155	9.579	9.579	(1.068)	58377	300.000	302	
96 1,2,4-Trichlorobenzene	180	9.992	9.992	(1.114)	837842	300.000	294	
97 Hexachlorobutadiene	225	10.060	10.060	(1.122)	675089	300.000	276	
98 Naphthalene	128	10.143	10.144	(1.131)	1139076	300.000	336	
99 1,2,3-Trichlorobenzene	180	10.258	10.259	(1.144)	705276	300.000	286	
100 2,methyl-naphthalene	142	10.797	10.797	(1.204)	597156	300.000	296	
101 1-methylnaphthalene	142	10.917	10.917	(1.217)	528973	300.000	298	

QC Flag Legend

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

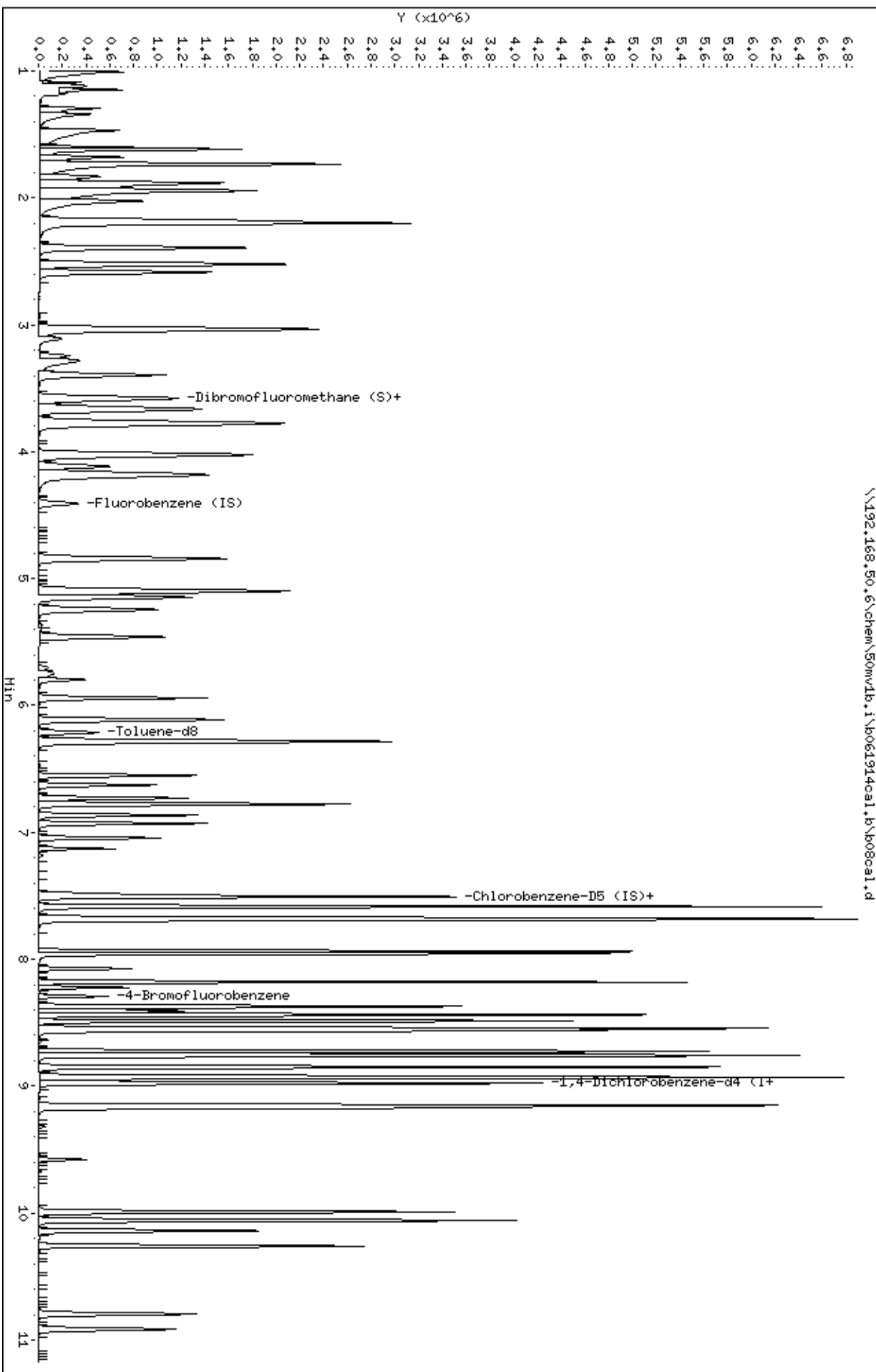
Review Codes Legend

:
 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\50m\1b.i\k061914cal.b\k08cal.d
Date: 19-JUN-2014 18:01
Client ID: 8260-CAL8,71104:0
Sample Info: 8260-CAL8,71104:0
Purge Volume: 5.0
Column phase: DB-624

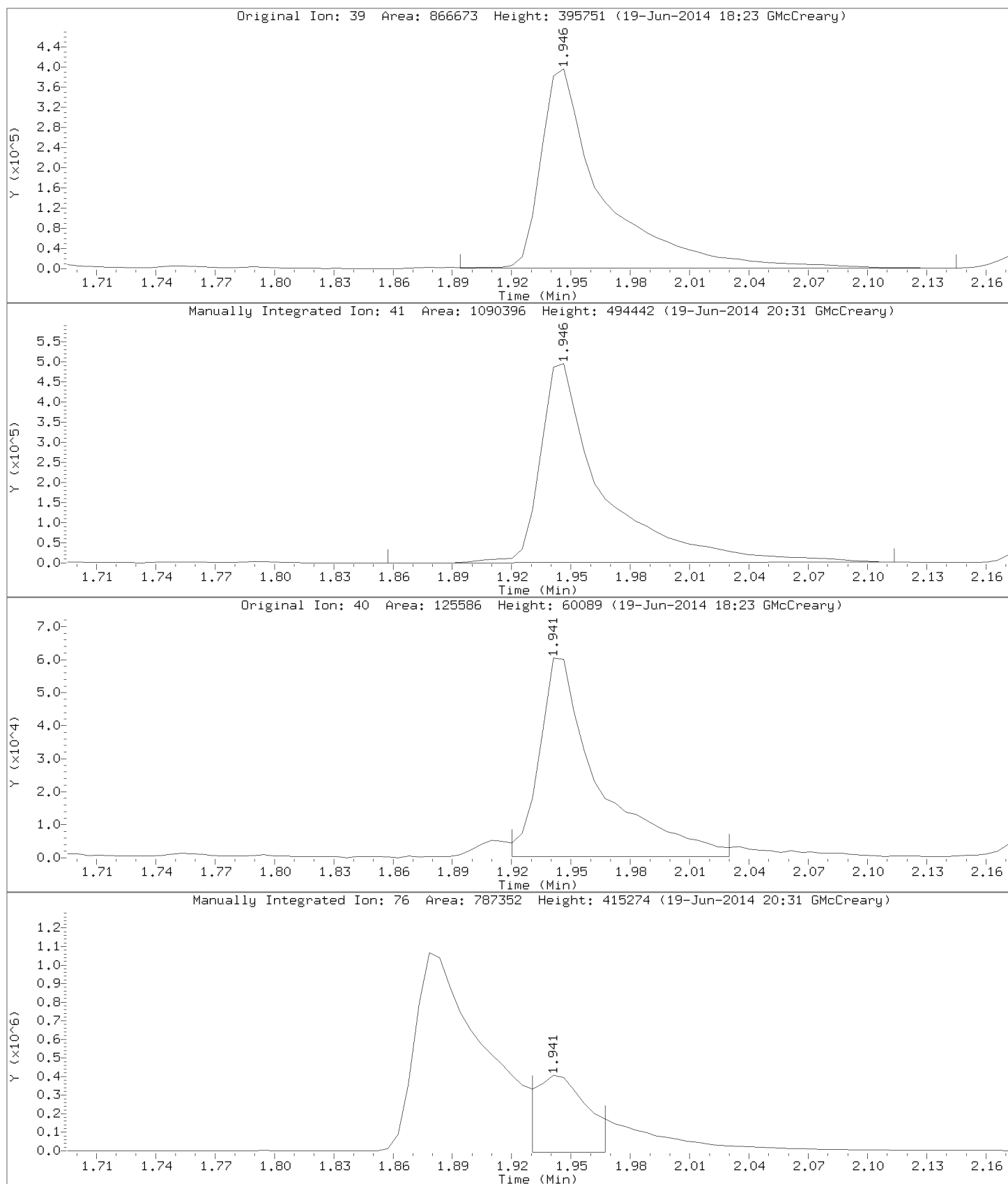
Instrument: 50m\1b.i
Operator: grm
Column diameter: 0.18

\\192.168.50.6\chem\50m\1b.i\k061914cal.b\k08cal.d



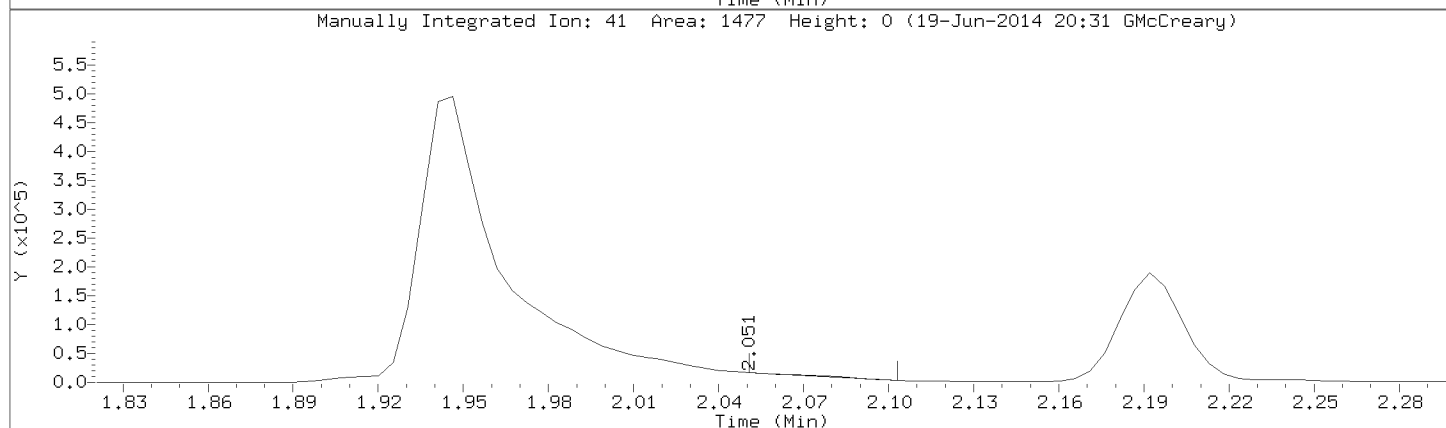
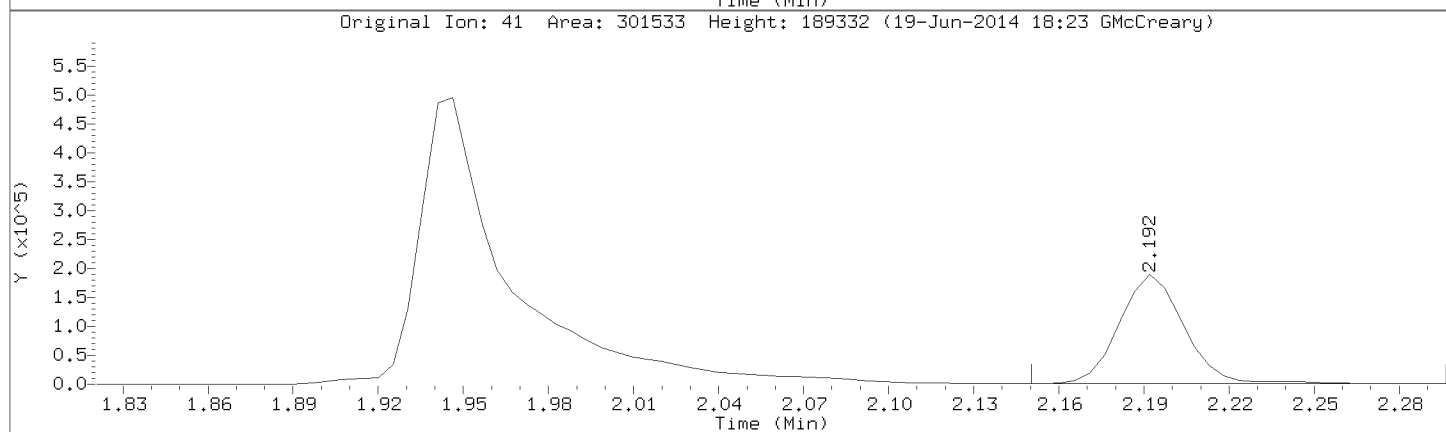
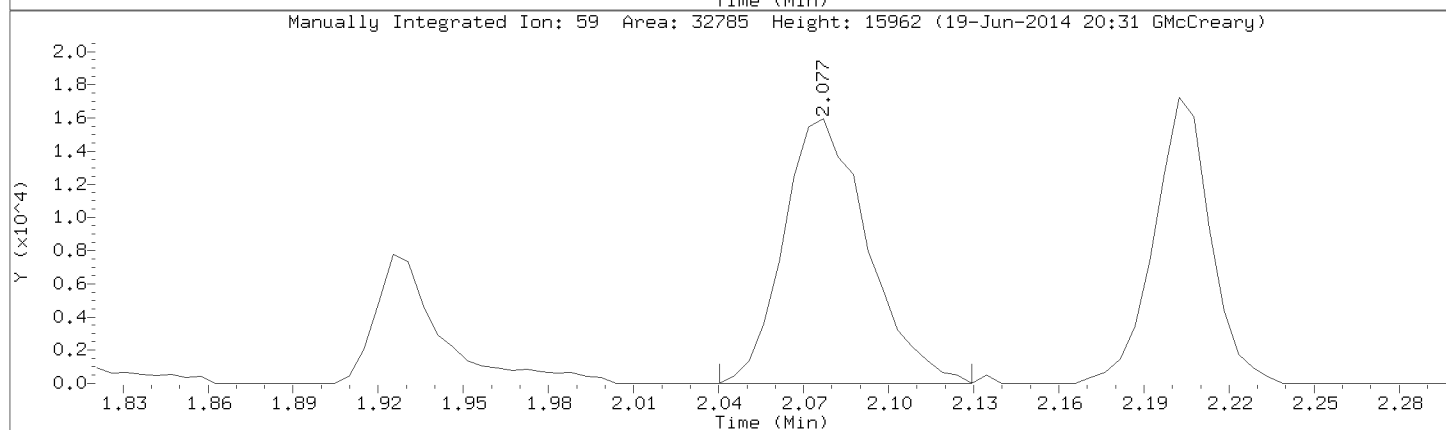
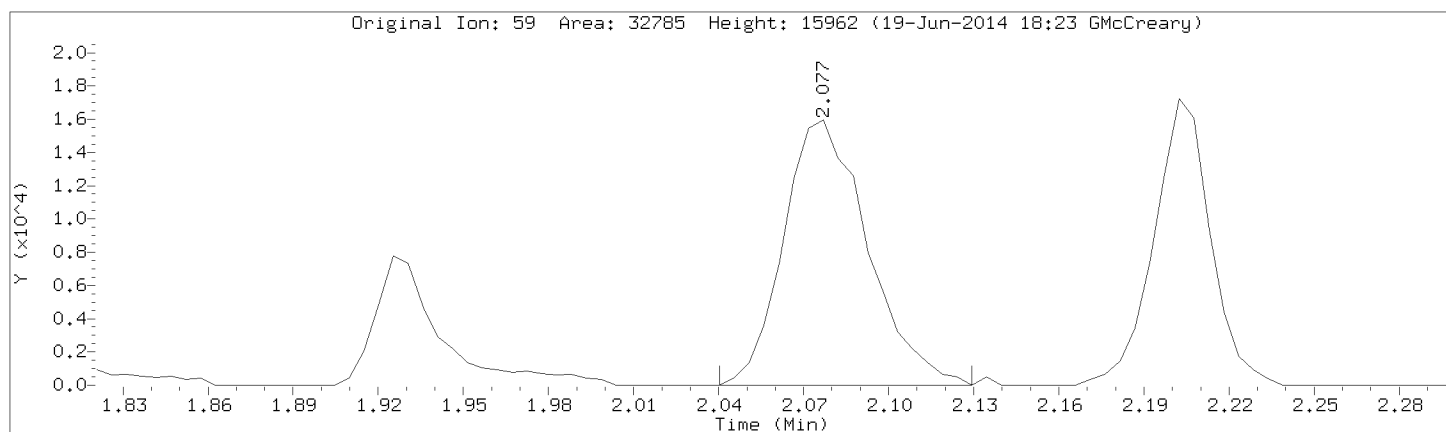
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Injection Date: 19-JUN-2014 18:01
Instrument: 50mvlb.i
Lab Sample ID: 8260-CAL8,71104:0

Compound: allyl chloride
CAS Number: 107-05-1



Data File: \\192.168.50.6\chem\50mvlb.i\b061914cal.b\b08cal.d
Injection Date: 19-JUN-2014 18:01
Instrument: 50mvlb.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\50mv1a.i\a061914cal.b\a10icv.d
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 Inj Date : 19-JUN-2014 18:51
 Operator : grm Inst ID: 50mv1a.i
 Smp Info : 8260-icv,71105:0
 Misc Info : 65941
 Comment :
 Method : \\192.168.50.6\chem\50mv1a.i\a061914cal.b\a8260_a_c.m
 Meth Date : 20-Jun-2014 09:11 hbanter Quant Type: ISTD
 Cal Date : 19-JUN-2014 17:44 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
 Processing Host: 50-VOA-GRMXP

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	
			ON-COLUMN	FINAL					
	MASS		RT	EXP RT	REL RT	RESPONSE	(ppb)	(ppb)	
1 Dichlorodifluoromethane	85		1.013	1.014	(0.230)	145295	58.4007	58.4	
2 Chloromethane	50		1.112	1.113	(0.252)	102456	51.8574	51.8	
3 Vinyl Chloride	62		1.149	1.150	(0.261)	101854	52.4642	52.5	
4 Bromomethane	94		1.306	1.302	(0.296)	54723	46.5569	46.6	
5 Chloroethane	64		1.353	1.354	(0.307)	60002	50.7714	50.8	
6 Trichlorofluoromethane	101		1.473	1.474	(0.334)	160600	49.5232	49.5	
7 Diethyl ether	74		1.604	1.605	(0.364)	30774	50.8976	50.9	
8 1,2-dichlorotrifluoroethane	67		1.625	1.621	(0.368)	111062	47.9713	48.0	
9 Acrolein	56		1.682	1.683	(0.381)	96984	1236.70	1240	
10 1,1,2trichlorotrifluoroethane	101		1.734	1.736	(0.393)	88951	48.3544	48.4	
11 1,1-Dichloroethene	96		1.740	1.741	(0.394)	68253	43.9919	44.0	
12 Acetone	43		1.755	1.751	(0.398)	38841	230.420	230	
13 Iodomethane	142		1.839	1.840	(0.417)	72377	74.1917	74.2	
14 Carbon Disulfide	76		1.886	1.887	(0.428)	484658	96.6802	96.7	
15 Methyl Acetate	43		1.928	1.929	(0.437)	21456	53.6196	53.6	
16 Acetonitrile	39		1.949	1.945	(0.442)	147117	877.135	877	
17 allyl chloride	41		1.949	1.945	(0.442)	173813	86.9975	87.0 (M)	NI
18 Methylene Chloride	84		2.032	2.028	(0.461)	86042	44.5214	44.5	
19 tert-Butyl Alcohol	59		2.069	2.075	(0.469)	5301	110.991	111 (Q)	
20 Acrylonitrile	53		2.174	2.175	(0.493)	175501	911.392	911	
21 Methyl-tert-butyl ether	73		2.194	2.196	(0.498)	243059	89.6095	89.6	
22 1,2-Dichloroethene (trans)	96		2.210	2.211	(0.501)	73267	45.5650	45.6	

Compounds	QUANT MASS	SIG	CONCENTRATIONS					REVIEW C	
			RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ppb)		FINAL (ppb)
23 n-Hexane	57		2.398	2.400	(0.544)	118341	45.1331	45.1	
24 Vinyl Acetate	43		2.524	2.525	(0.572)	282852	218.006	218	
25 1,1-Dichloroethane	63		2.534	2.535	(0.575)	136174	46.1554	46.2	
26 Chloroprene	53		2.587	2.588	(0.586)	124196	47.4849	47.5	
27 Ethyl Acetate	88		2.592	2.588	(0.588)	69188			(Q)
28 2-Butanone	43		3.026	3.027	(0.686)	60383	233.277	233	
29 1,2-Dichloroethene (cis)	96		3.036	3.037	(0.688)	80438	47.8261	47.8	
30 2,2-Dichloropropane	77		3.041	3.043	(0.690)	105790	50.4241	50.4	
31 Propionitrile	54		3.094	3.100	(0.701)	3175	46.2419	46.2(Q)	
32 Methacrylonitrile	41		3.245	3.246	(0.736)	71651	987.772	988	
33 Bromochloromethane	49		3.287	3.283	(0.745)	39226	48.5469	48.5	
34 Tetrahydrofuran	42		3.308	3.304	(0.750)	6769	54.0850	54.1	
35 Chloroform	83		3.397	3.398	(0.770)	146505	46.4802	46.5	
36 isopropyl acetate	61		3.580	3.581	(0.812)	59600			(Q)
37 1,1,1-Trichloroethane	97		3.580	3.581	(0.812)	127141	47.2418	47.2	
\$ 38 Dibromofluoromethane (S)	113		3.585	3.586	(0.813)	66641	49.2038	49.2	
39 Cyclohexane	56		3.664	3.665	(0.831)	128399	54.1233	54.1	
40 Carbon Tetrachloride	117		3.768	3.774	(0.854)	100189	47.0042	47.0	
41 1,1-Dichloropropene	75		3.784	3.780	(0.858)	127458	49.6251	49.6	
42 Benzene	78		4.030	4.031	(0.913)	313173	49.7040	49.7	
43 1,2-Dichloroethane	62		4.113	4.120	(0.932)	86255	45.3599	45.4	
44 Isobutyl alcohol	43		4.139	4.182	(0.938)	305074	286.285	286(Q)	
45 2,2,4-Trimethylpentane	57		4.186	4.188	(0.949)	285794	48.7028	48.7	
* 46 Fluorobenzene (IS)	96		4.411	4.412	(1.000)	281426	50.0000		
47 Trichloroethene	95		4.845	4.846	(1.098)	90041	48.1661	48.2	
48 Methylcyclohexane	55		5.101	5.097	(1.156)	114225	51.4779	51.5	
49 1,2-Dichloropropane	63		5.148	5.149	(1.167)	63770	46.8829	46.9	
50 Dibromomethane	93		5.242	5.244	(1.188)	30052	45.3065	45.3	
51 Methyl methacrylate	69		5.248	5.254	(1.190)	26608	52.2262	52.2	
52 1,4-Dioxane	88		5.253	5.249	(1.191)	7016			(R)
53 Bromodichloromethane	83		5.462	5.458	(1.238)	93752	46.7423	46.7	
54 2-Chloroethyl vinyl ether	63		5.797	5.798	(0.774)	4296	47.0932	47.1	
55 cis-1,3-Dichloropropene	75		5.943	5.944	(0.794)	96758	48.0500	48.0	
56 4-Methyl-2-Pentanone	43		6.115	6.117	(0.817)	143753	254.631	255	
\$ 57 Toluene-d8	98		6.215	6.211	(0.830)	284038	49.1916	49.2	
58 Toluene	91		6.283	6.284	(0.839)	345123	47.2915	47.3	
59 trans-1,3-Dichloropropene	75		6.555	6.556	(0.876)	70026	42.2384	42.2	
60 Ethyl Methacrylate	69		6.628	6.629	(0.885)	246873	206.060	206	
61 1,1,2-Trichloroethane	83		6.732	6.734	(0.899)	40613	48.1233	48.1	
62 Tetrachloroethene	166		6.779	6.775	(0.906)	103505	46.4208	46.4	
63 1,3-Dichloropropane	76		6.868	6.869	(0.918)	89438	47.0782	47.1	
64 2-Hexanone	43		6.931	6.927	(0.926)	99556	250.733	251	
65 Dibromochloromethane	129		7.046	7.047	(0.941)	50140	46.8614	46.9	
66 1,2-Dibromoethane	107		7.130	7.131	(0.953)	44167	48.1878	48.2	
* 67 Chlorobenzene-D5 (IS)	117		7.485	7.486	(1.000)	218984	50.0000		
68 Chlorobenzene	112		7.506	7.507	(1.003)	209456	46.1530	46.2	
69 1,1,1,2-Tetrachloroethane	131		7.579	7.580	(1.013)	65839	47.1622	47.2	
70 Ethylbenzene	106		7.585	7.586	(1.013)	124680	48.5432	48.5(Q)	
71 m&p-Xylene	106		7.679	7.680	(1.026)	312348	98.8948	98.9	
72 o-Xylene	106		7.940	7.941	(1.061)	154921	52.9118	52.9	
73 Styrene	104		7.956	7.957	(1.063)	246155	49.7894	49.8	
74 Bromoform	173		8.076	8.077	(0.901)	29014	41.9756	42.0	
75 Isopropylbenzene	105		8.181	8.176	(1.093)	444940	50.5355	50.5	
\$ 76 4-Bromofluorobenzene	95		8.290	8.291	(1.108)	115178	49.1790	49.2	

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS		REVIEW C
						ON-COLUMN (ppb)	FINAL (ppb)	
77 Bromobenzene	77	8.369	8.370	(1.118)	156620	46.2046	46.2	
78 1,1,2,2-Tetrachloroethane	83	8.379	8.380	(0.935)	53086	48.3274	48.3	
79 n-amyl acetate	70	8.071	8.074	(1.078)	163366		(Q)	
80 trans-1,4-Dichloro-2-butene	53	8.400	8.401	(1.122)	45994	180.114	180(Q)	
81 1,2,3-Trichloropropane	110	8.411	8.412	(0.938)	15836	46.2012	46.2(Q)	
82 n-Propylbenzene	91	8.437	8.438	(0.941)	544385	52.4583	52.4	
83 2-Chlorotoluene	91	8.489	8.485	(0.947)	318699	51.2197	51.2	
84 1,3,5-Trimethylbenzene	105	8.541	8.542	(0.953)	364178	49.6448	49.6	
85 4-Chlorotoluene	126	8.562	8.563	(0.955)	93653	50.1631	50.2(Q)	
86 tert-Butylbenzene	119	8.724	8.725	(0.973)	334889	51.0195	51.0	
87 1,2,4-Trimethylbenzene	105	8.756	8.757	(0.977)	369489	52.0360	52.0	
88 sec-Butylbenzene	105	8.850	8.851	(0.987)	501133	52.4781	52.5	
89 1,3-Dichlorobenzene	146	8.918	8.919	(0.995)	191095	49.6203	49.6	
90 p-Isopropyltoluene	119	8.933	8.935	(0.997)	405032	49.7542	49.8	
* 91 1,4-Dichlorobenzene-d4 (IS)	152	8.965	8.966	(1.000)	118804	50.0000	(Q)	
92 1,4-Dichlorobenzene	146	8.980	8.982	(1.002)	180685	48.7368	48.7	
93 n-Butylbenzene	91	9.153	9.154	(1.021)	435217	52.7543	52.8	
94 1,2-Dichlorobenzene	146	9.169	9.170	(1.023)	160456	49.0525	49.0	
95 1,2-Dibromo-3-chloropropane	155	9.582	9.578	(1.069)	7216	44.5013	44.5	
96 1,2,4-Trichlorobenzene	180	9.995	9.996	(1.115)	147809	52.2582	52.2	
97 Hexachlorobutadiene	225	10.057	10.059	(1.122)	117853	48.3276	48.3	
98 Naphthalene	128	10.141	10.142	(1.131)	183404	53.3632	53.4	
99 1,2,3-Trichlorobenzene	180	10.261	10.262	(1.145)	120637	53.0617	53.1	
100 2-methyl-naphthalene	142	10.800	10.796	(1.205)	122474	54.1496	54.1	
101 1-methylnaphthalene	142	10.920	10.916	(1.218)	100437	54.2621	54.3	

QC Flag Legend

- Q - Qualifier signal failed the ratio test.
- R - Spike/Surrogate failed recovery limits.
- M - Compound response manually integrated.

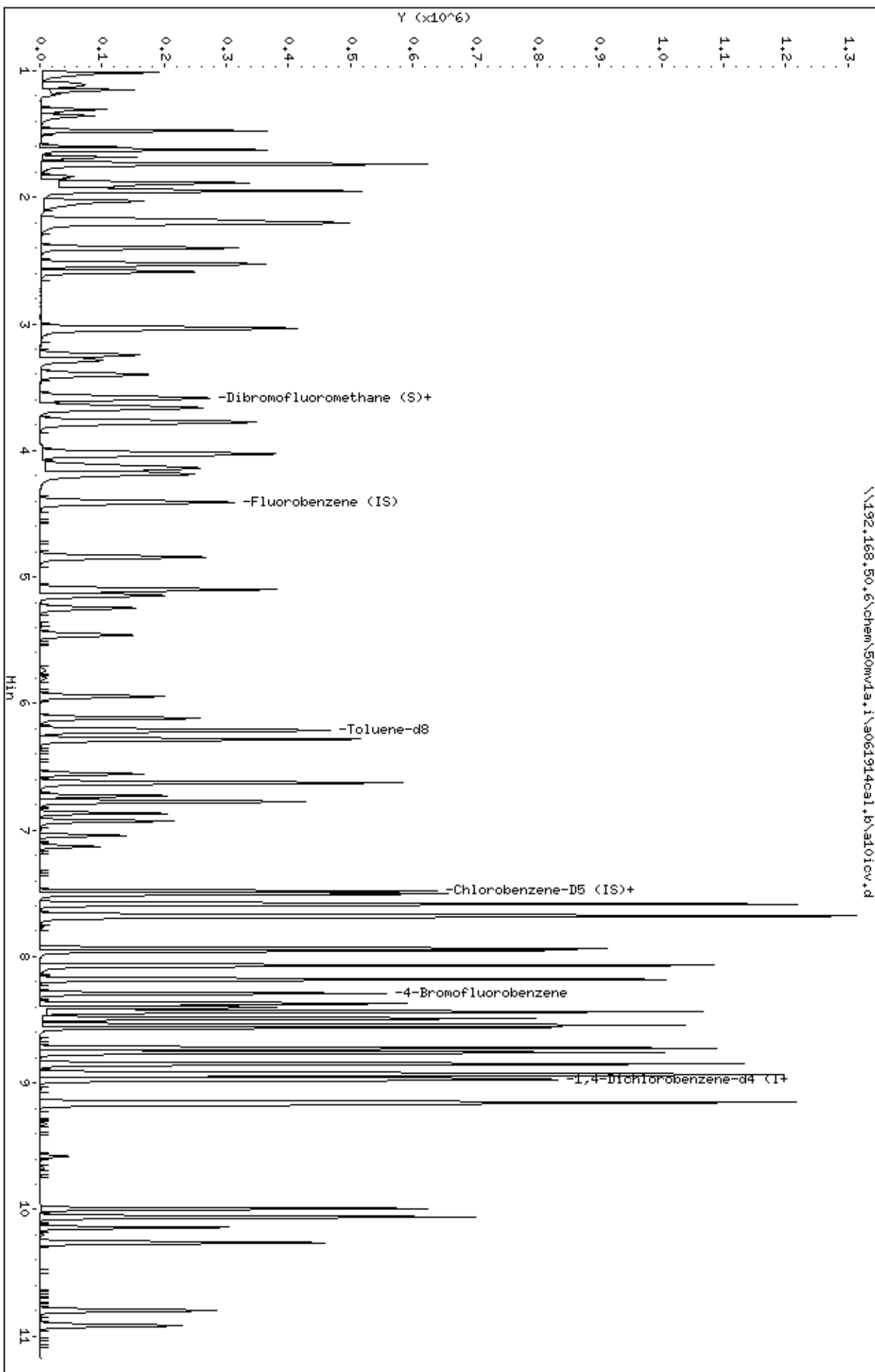
Review Codes Legend

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

Data File: \\192.168.50.6\chem\Soww1a.i\A061914cal.b\ad01ov.d
Date: 19-JUN-2014 18:51
Client ID: 8260-ICV,71105:0
Sample Info: 8260-ICV,71105:0
Purge Volume: 5.0
Column phase: DB-624

Instrument: Soww1a.i
Operator: grm
Column diameter: 0.18

\\192.168.50.6\chem\Soww1a.i\A061914cal.b\ad01ov.d



Date : 19-JUN-2014 18:51

Client ID: 8260-ICV,71105;0

Instrument: 50mv1a.i

Sample Info: 8260-ICV,71105;0

Purge Volume: 5.0

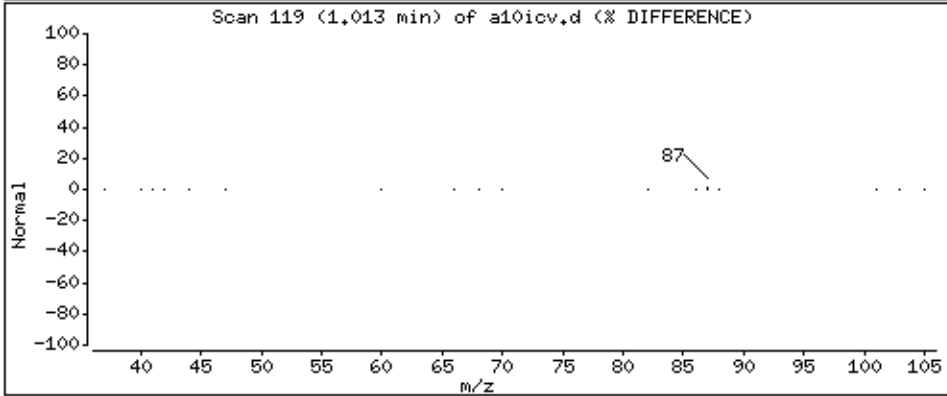
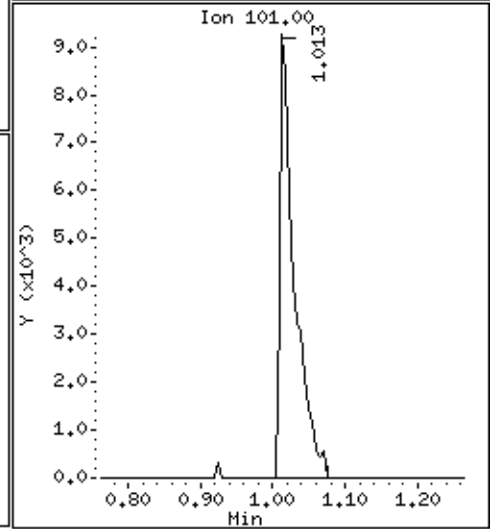
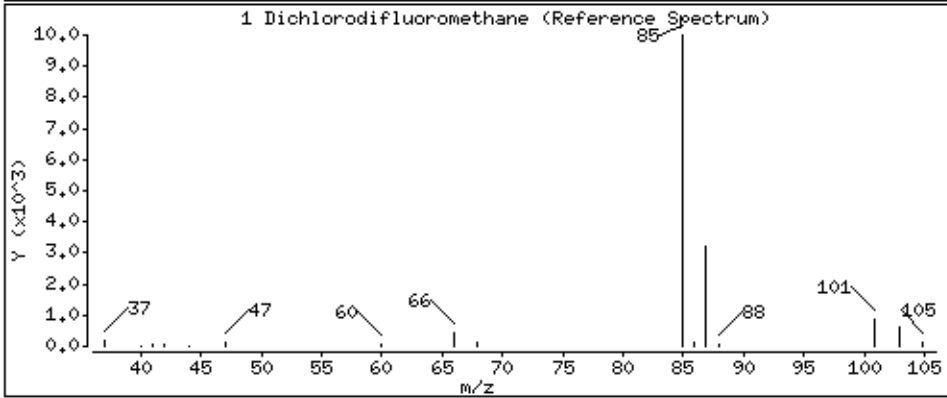
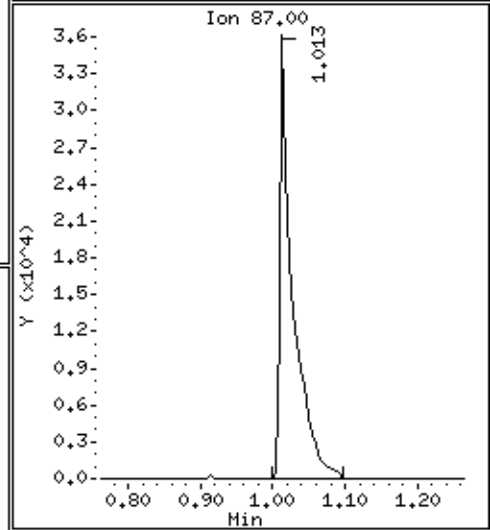
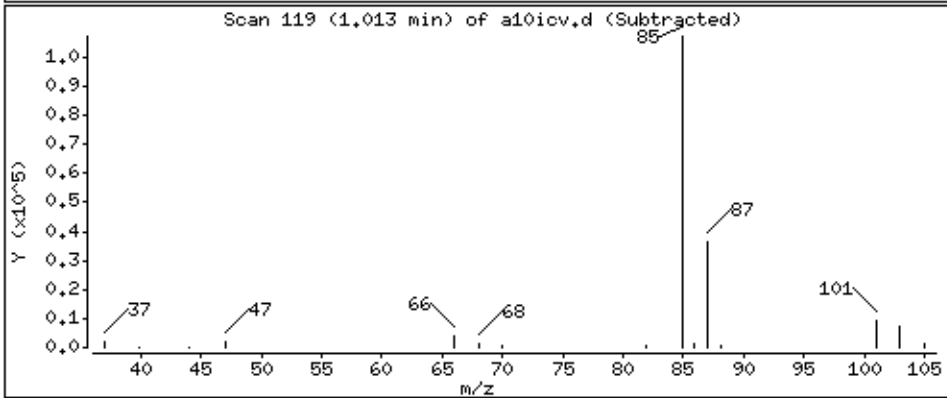
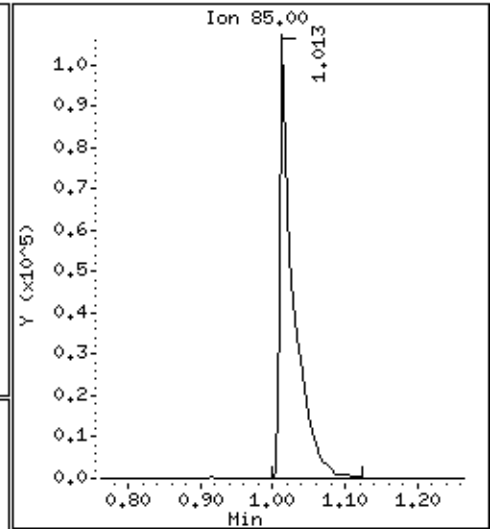
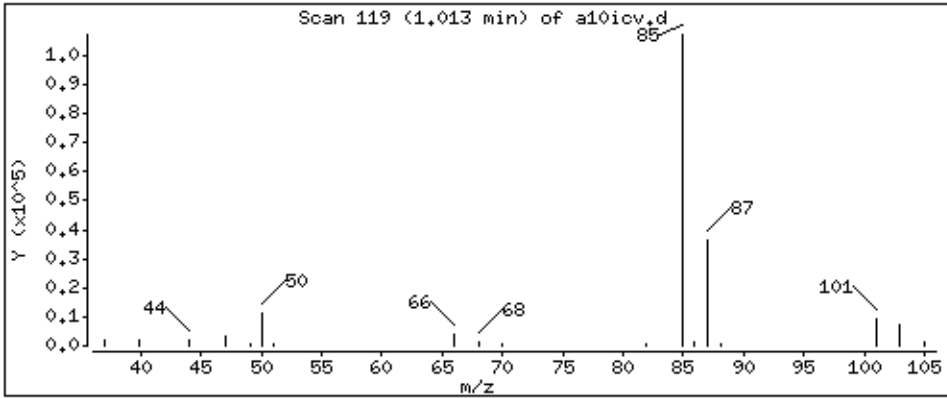
Operator: grm

Column phase: DB-624

Column diameter: 0,18

1 Dichlorodifluoromethane

Concentration: 58,4 ppb



Date : 19-JUN-2014 18:51

Client ID: 8260-ICV,71105:0

Instrument: 50mv1a.i

Sample Info: 8260-ICV,71105:0

Purge Volume: 5.0

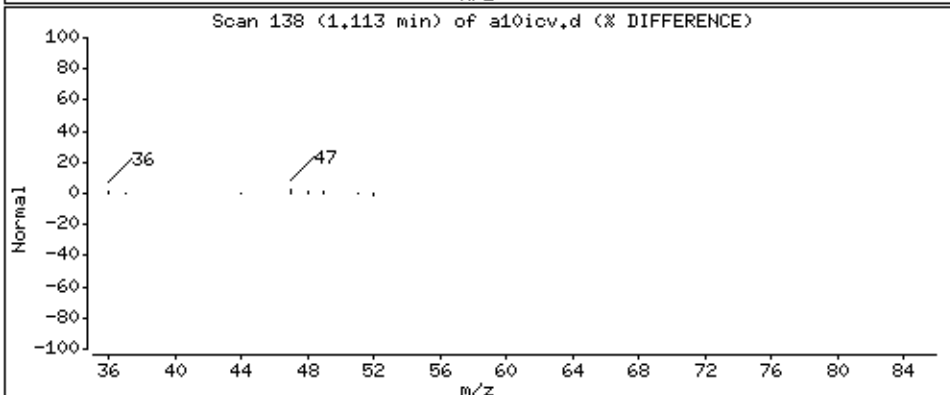
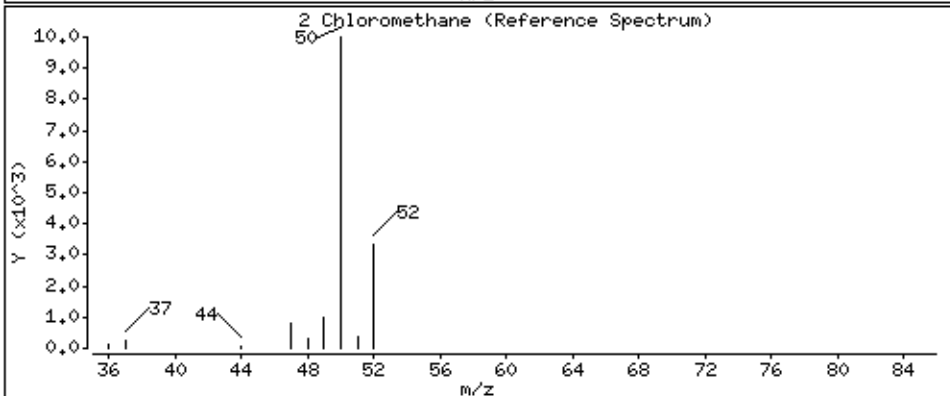
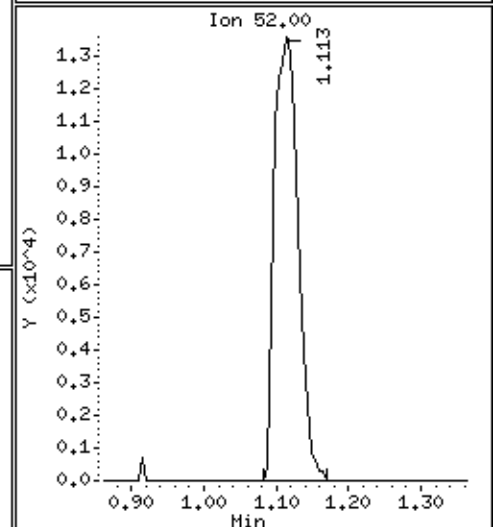
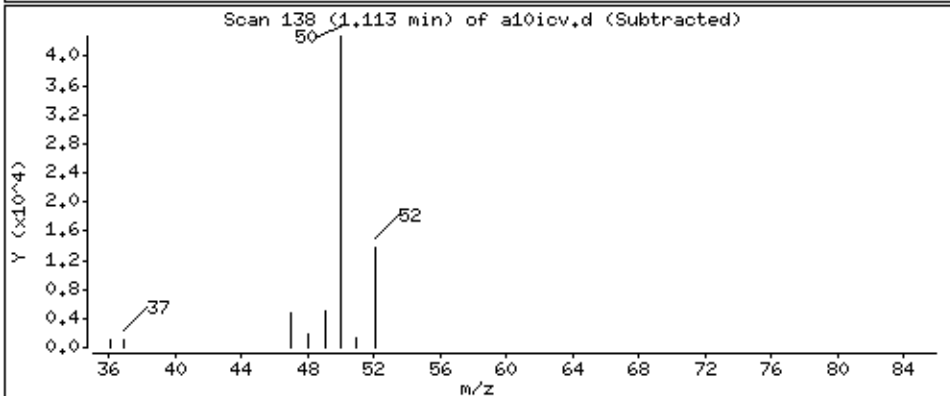
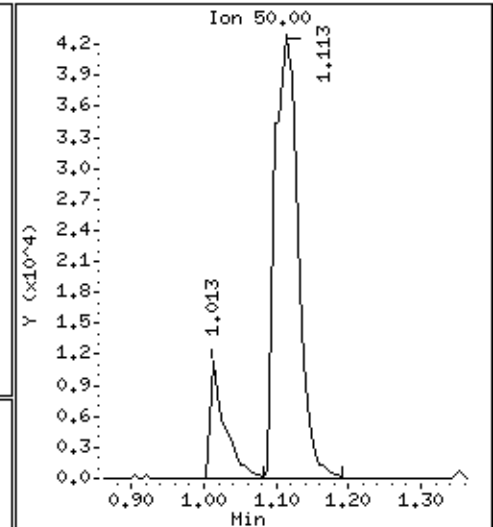
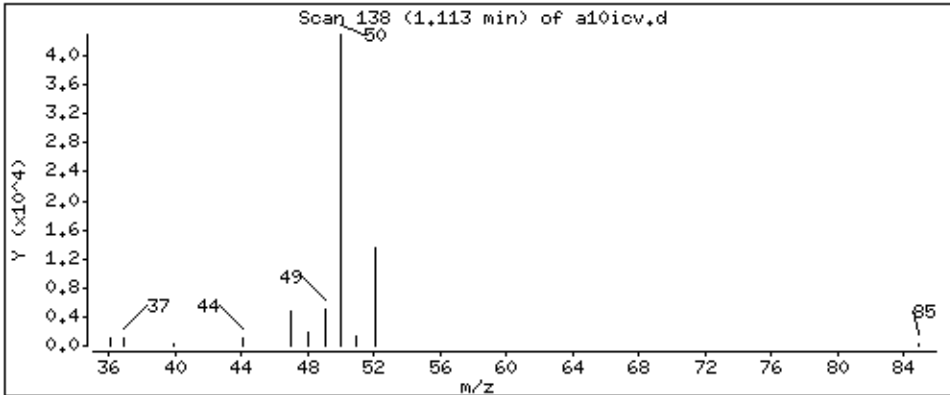
Operator: grm

Column phase: DB-624

Column diameter: 0,18

2 Chloromethane

Concentration: 51.8 ppb



Date : 19-JUN-2014 18:51

Client ID: 8260-ICV,71105;0

Instrument: 50mv1a.i

Sample Info: 8260-ICV,71105;0

Purge Volume: 5.0

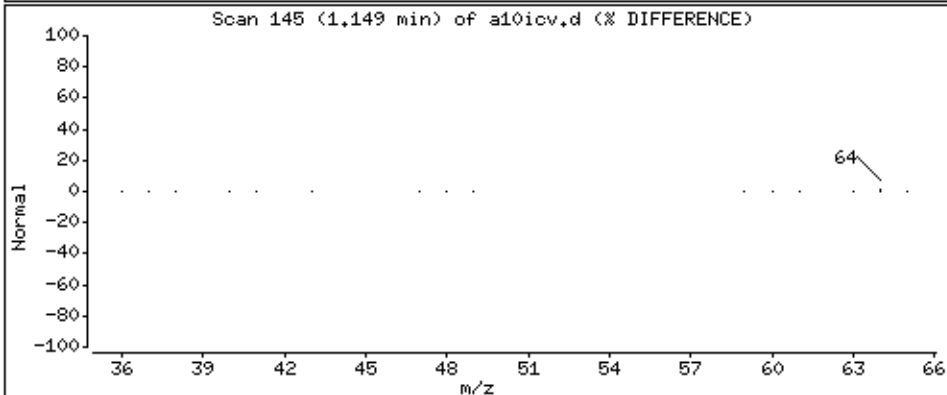
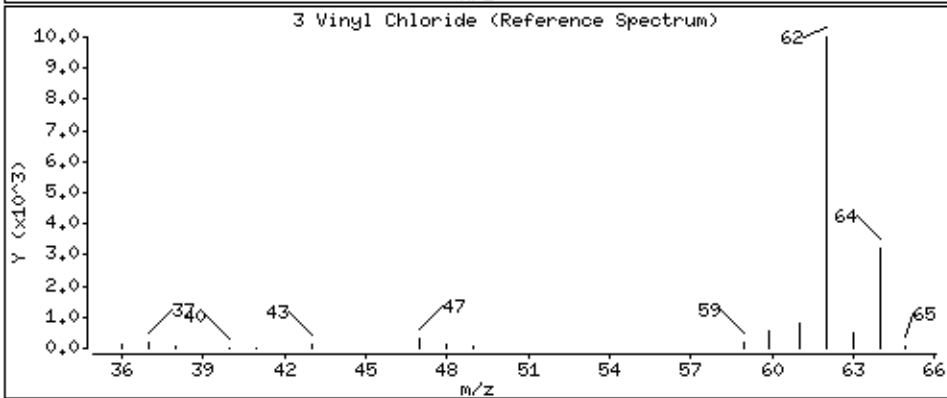
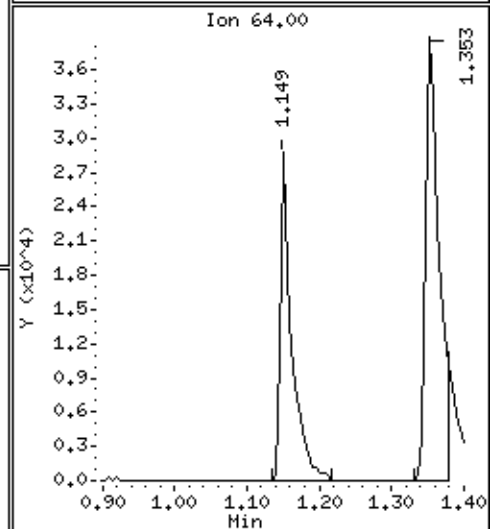
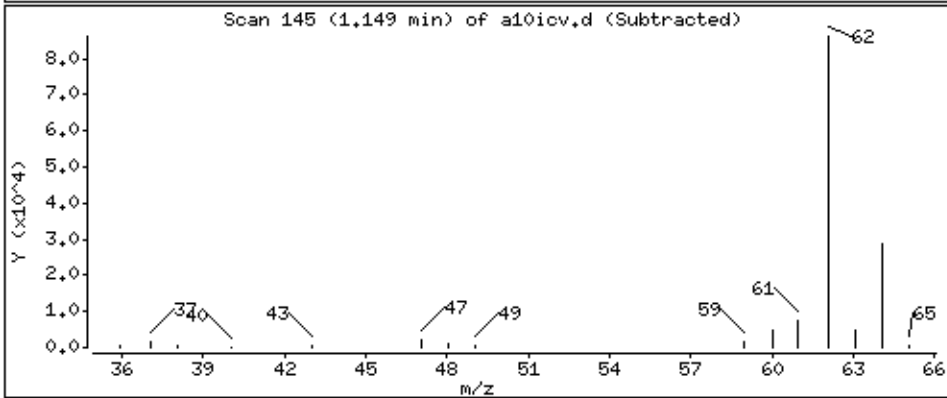
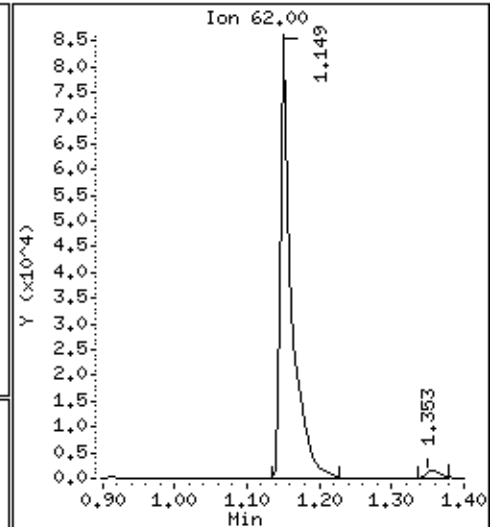
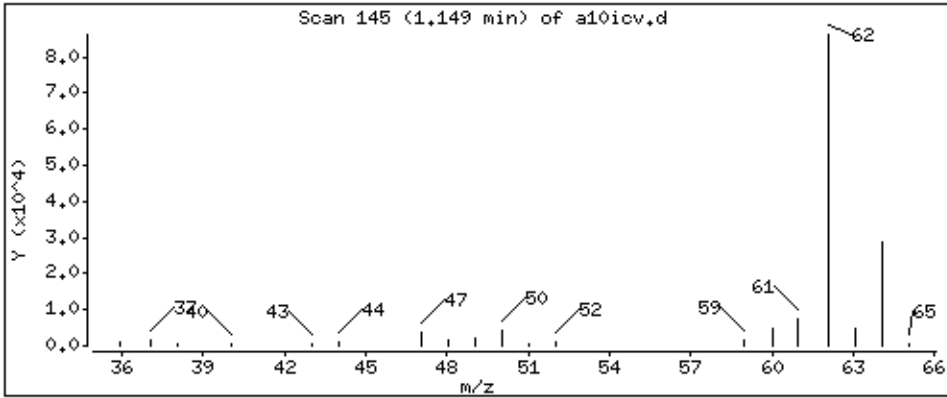
Operator: grm

Column phase: DB-624

Column diameter: 0,18

3 Vinyl Chloride

Concentration: 52,5 ppb



Date : 19-JUN-2014 18:51

Client ID: 8260-ICV,71105;0

Instrument: 50mv1a.i

Sample Info: 8260-ICV,71105;0

Purge Volume: 5.0

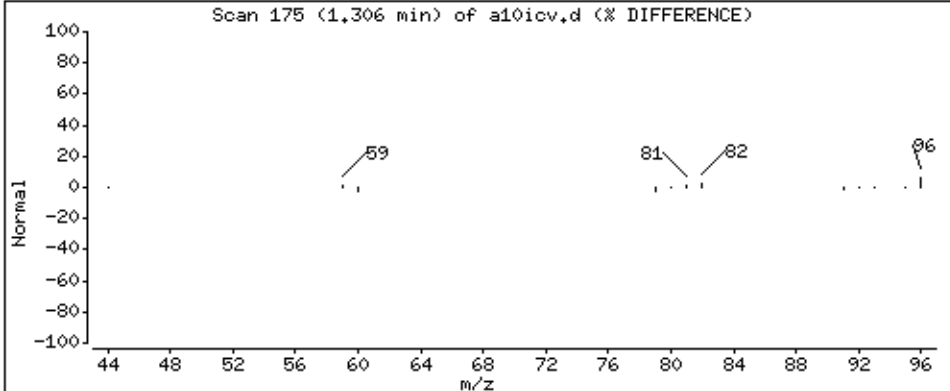
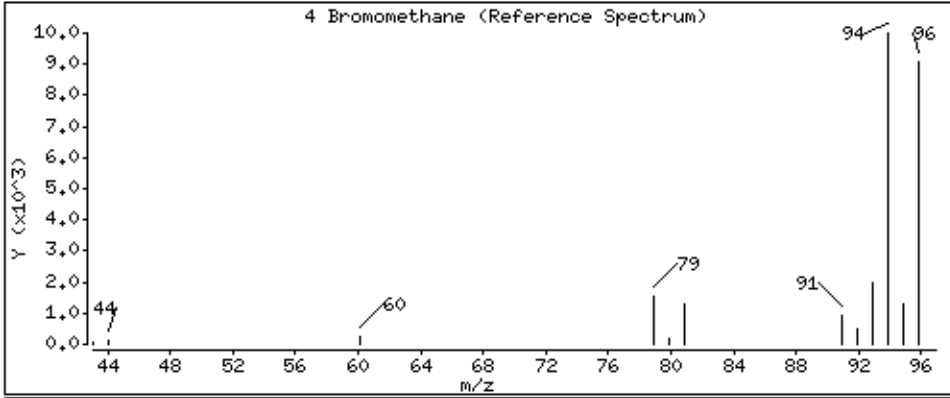
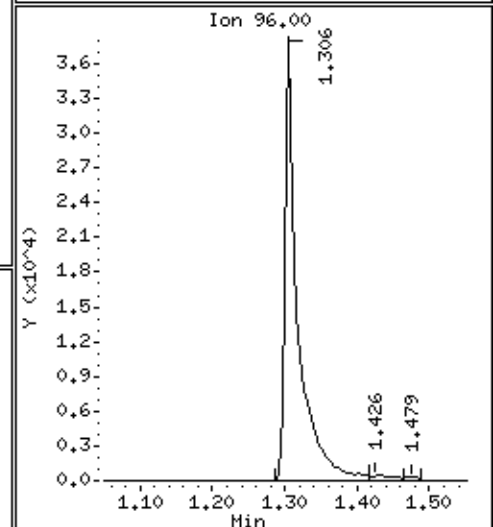
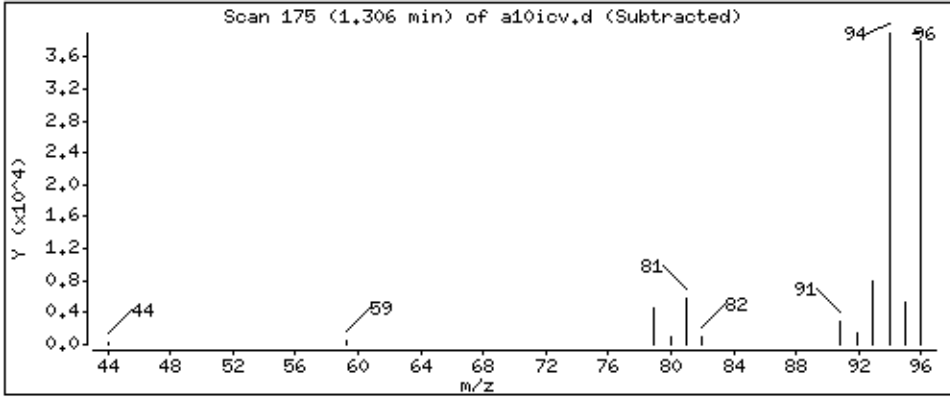
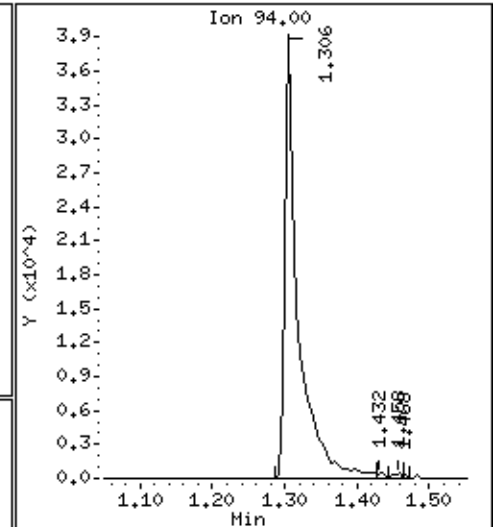
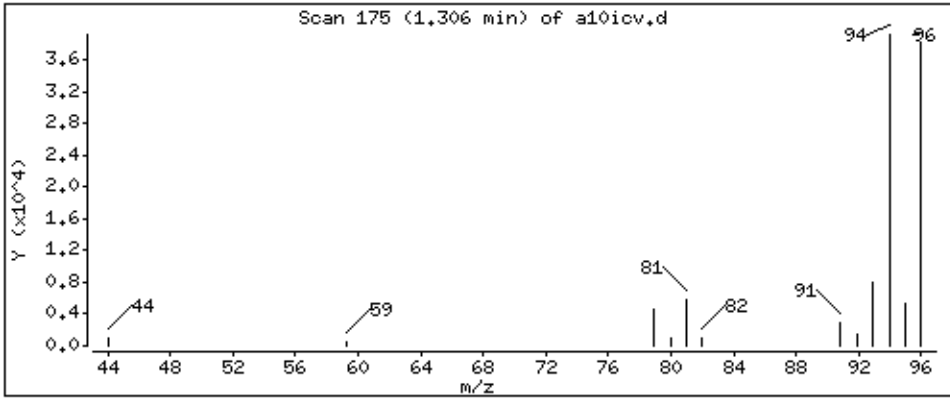
Operator: grm

Column phase: DB-624

Column diameter: 0,18

4 Bromomethane

Concentration: 46,6 ppb



Date : 19-JUN-2014 18:51

Client ID: 8260-ICV,71105;0

Instrument: 50mv1a.i

Sample Info: 8260-ICV,71105;0

Purge Volume: 5.0

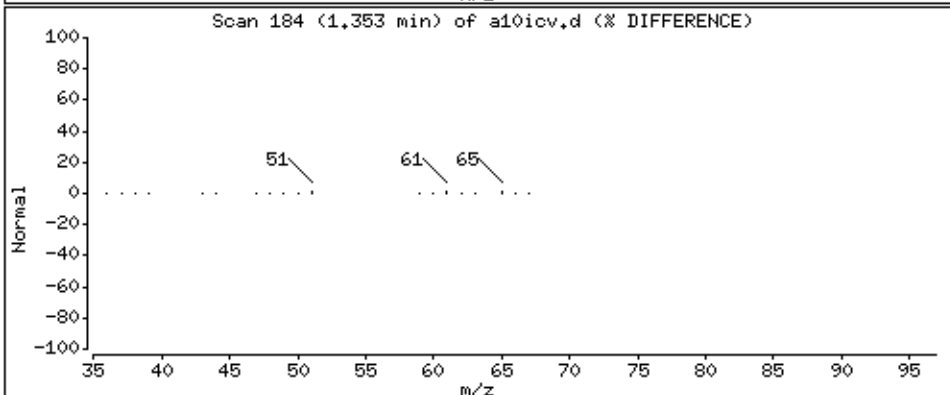
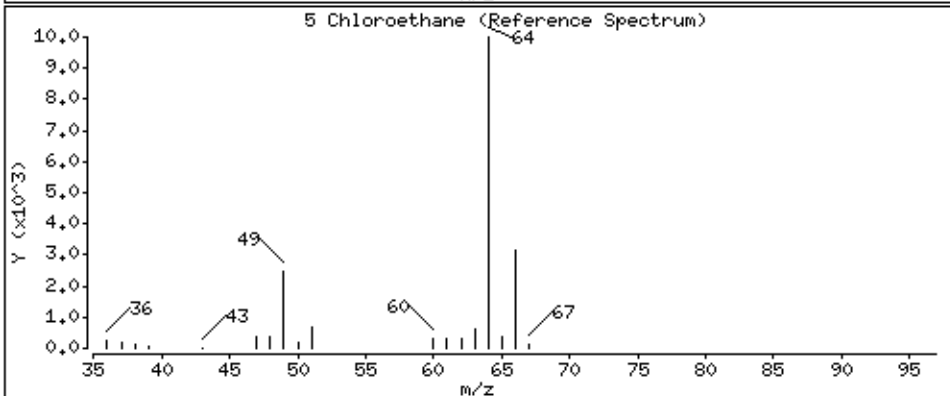
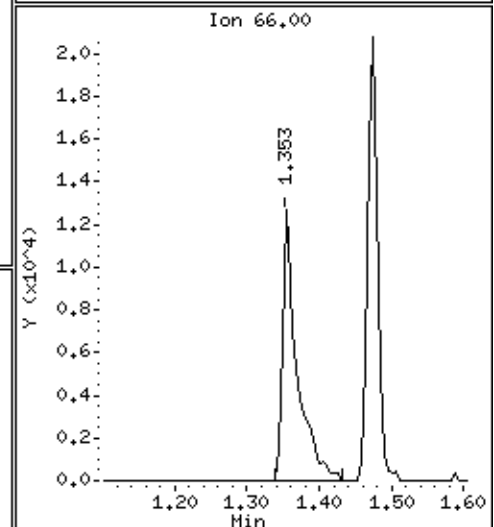
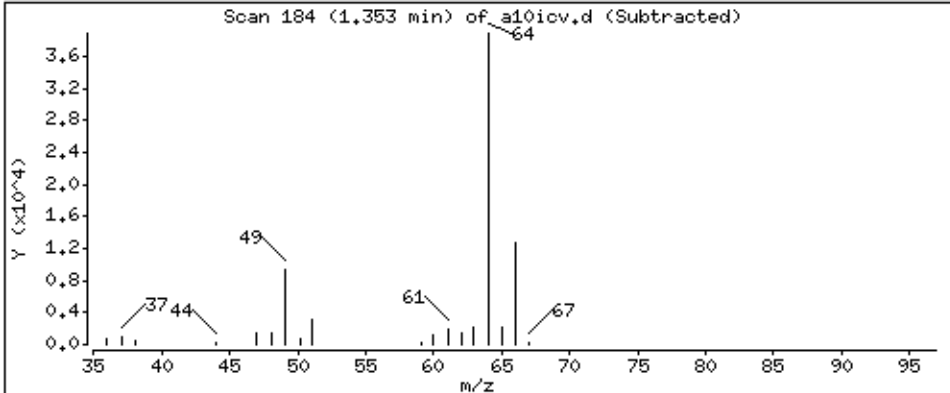
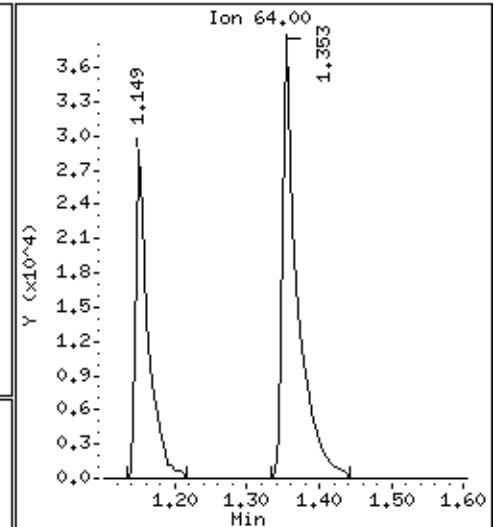
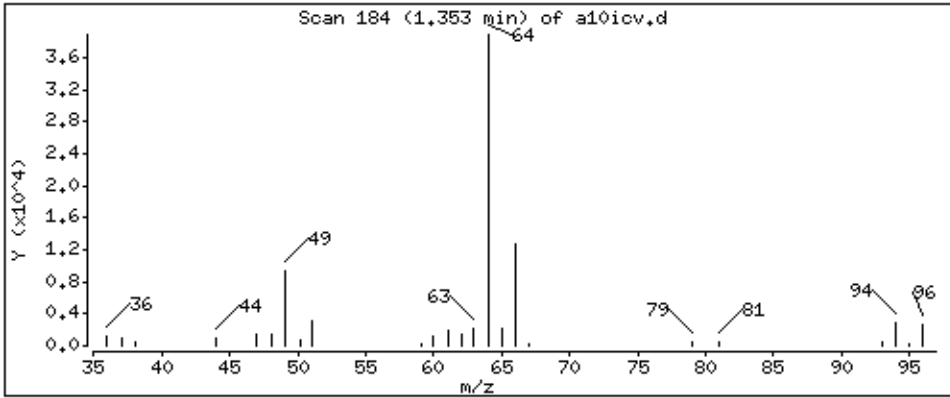
Operator: grm

Column phase: DB-624

Column diameter: 0,18

5 Chloroethane

Concentration: 50,8 ppb



Date : 19-JUN-2014 18:51

Client ID: 8260-ICV,71105;0

Instrument: 50mv1a.i

Sample Info: 8260-ICV,71105;0

Purge Volume: 5.0

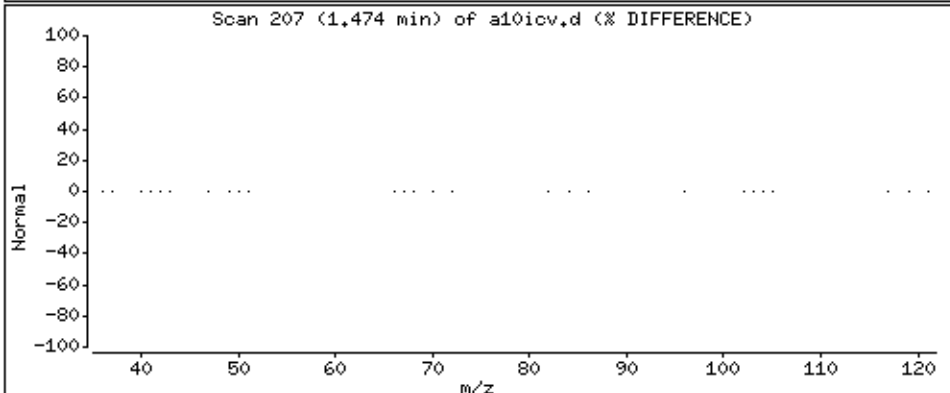
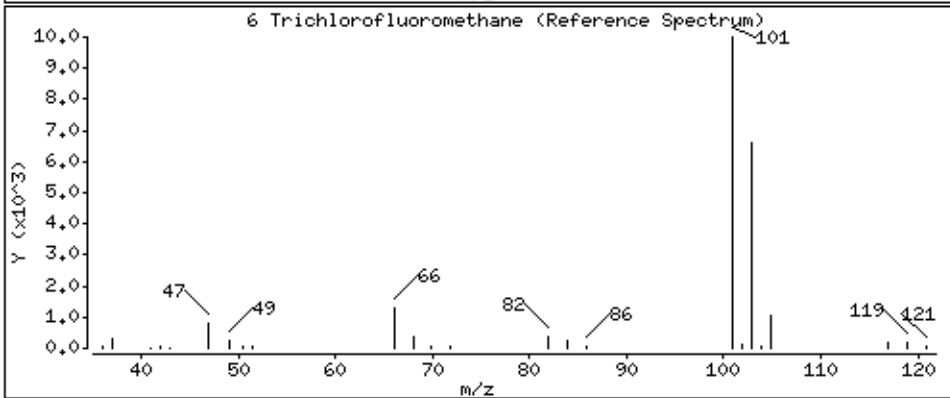
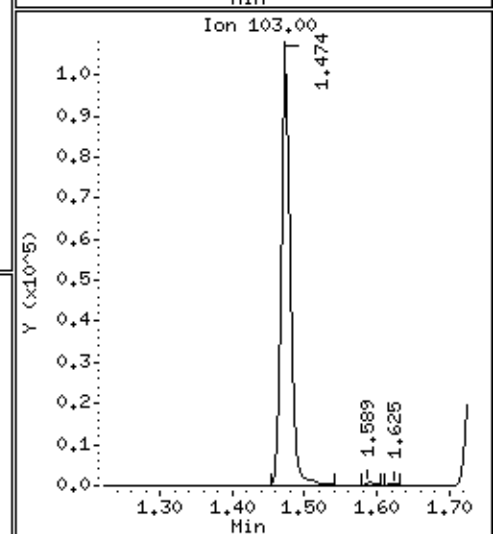
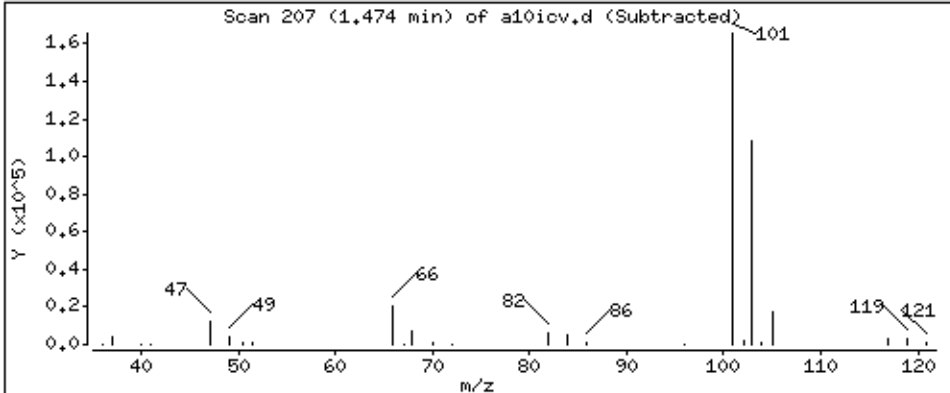
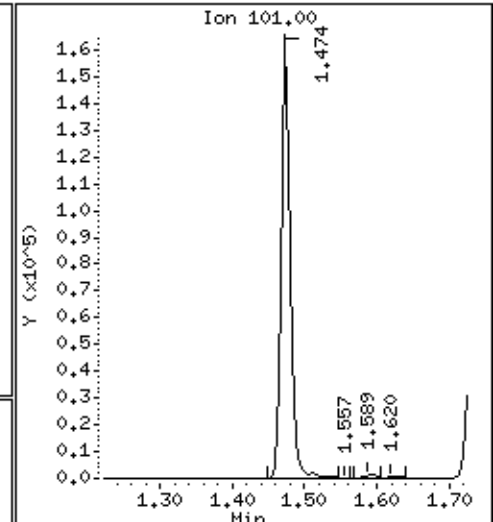
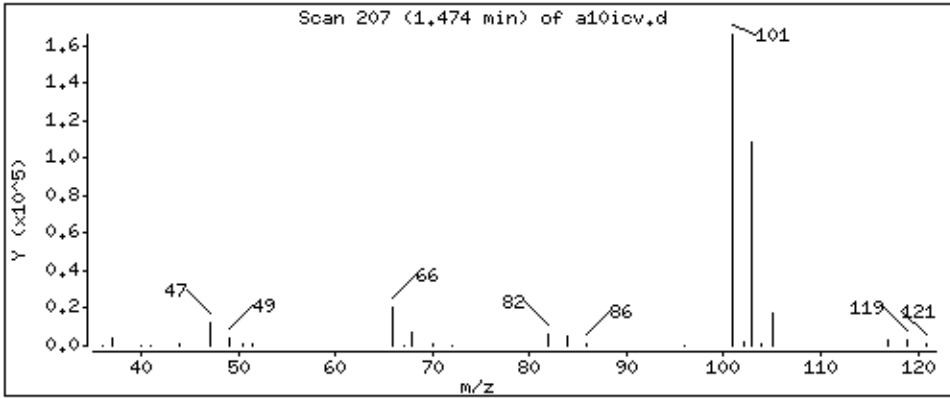
Operator: grm

Column phase: DB-624

Column diameter: 0,18

6 Trichlorofluoromethane

Concentration: 49,5 ppb



Date : 19-JUN-2014 18:51

Client ID: 8260-ICV,71105;0

Instrument: 50mv1a.i

Sample Info: 8260-ICV,71105;0

Purge Volume: 5.0

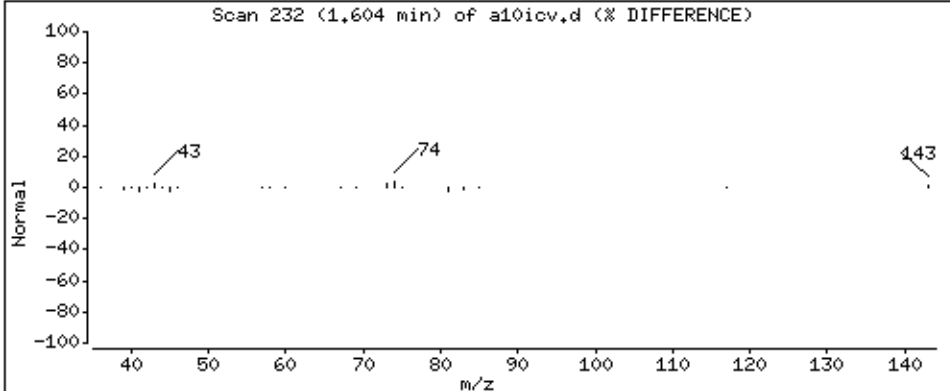
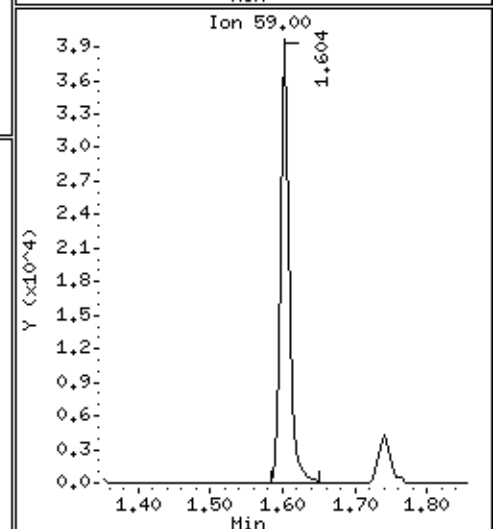
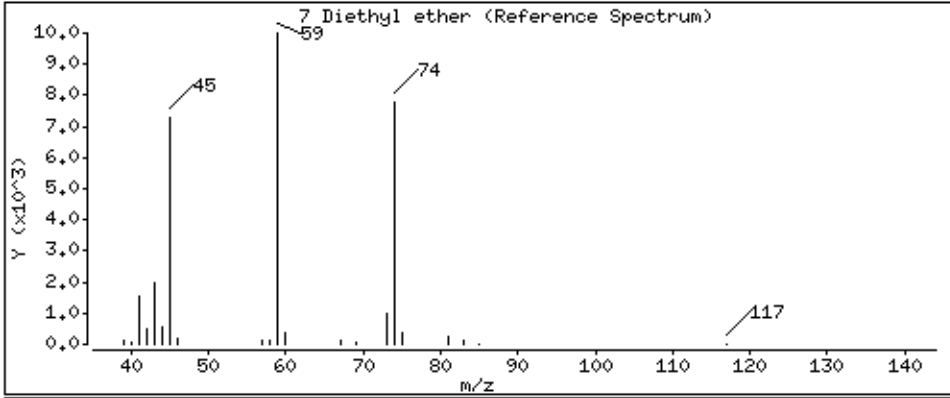
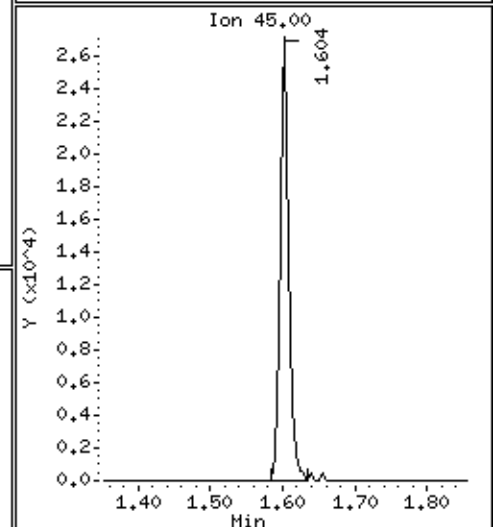
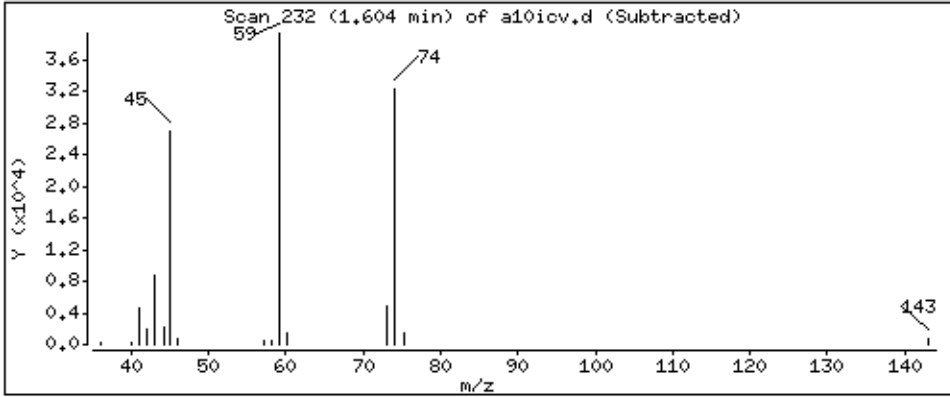
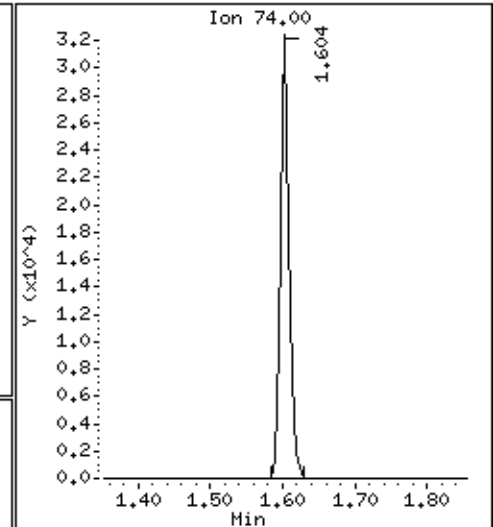
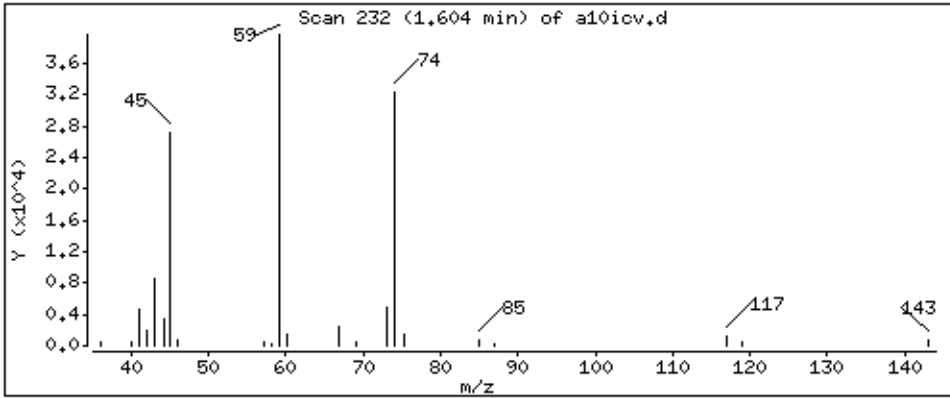
Operator: grm

Column phase: DB-624

Column diameter: 0,18

7 Diethyl ether

Concentration: 50,9 ppb



Date : 19-JUN-2014 18:51

Client ID: 8260-ICV,71105:0

Instrument: 50mv1a.i

Sample Info: 8260-ICV,71105:0

Purge Volume: 5.0

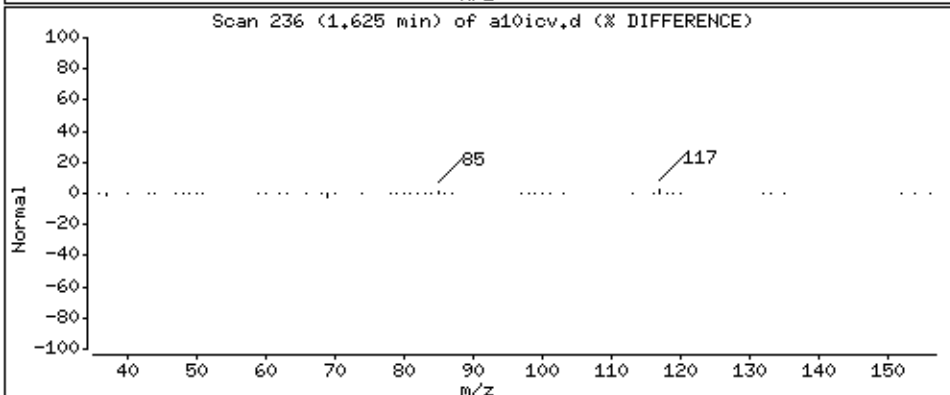
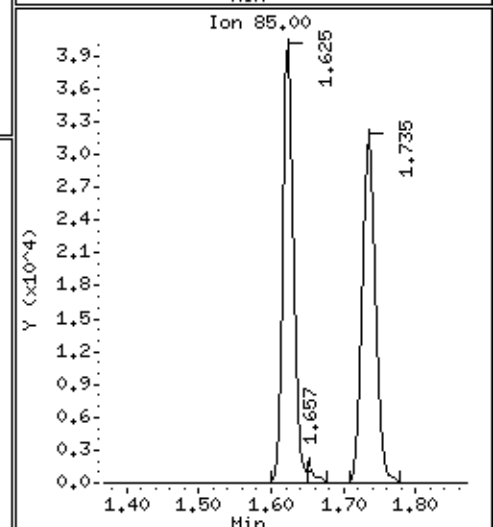
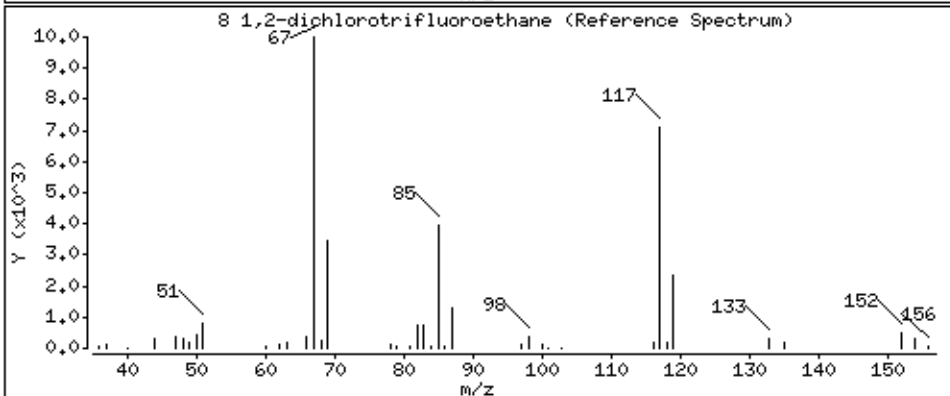
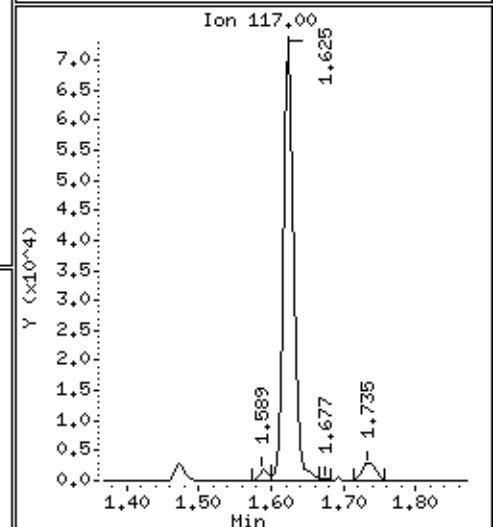
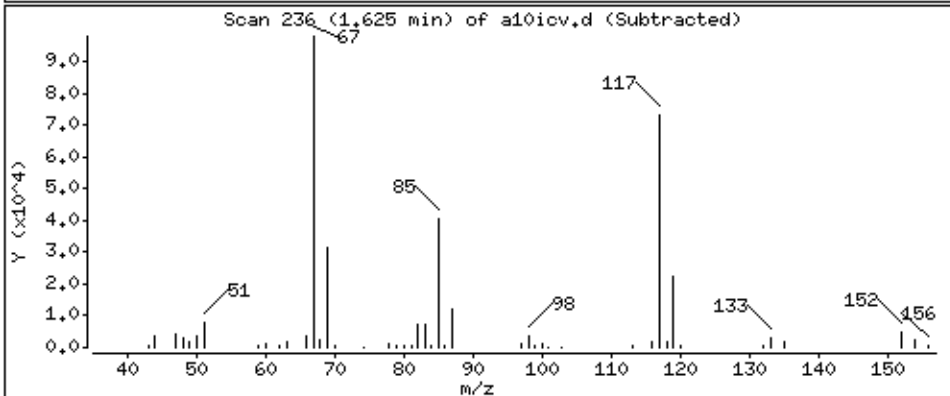
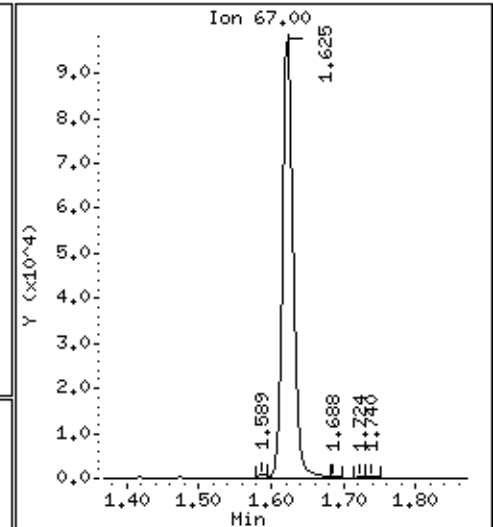
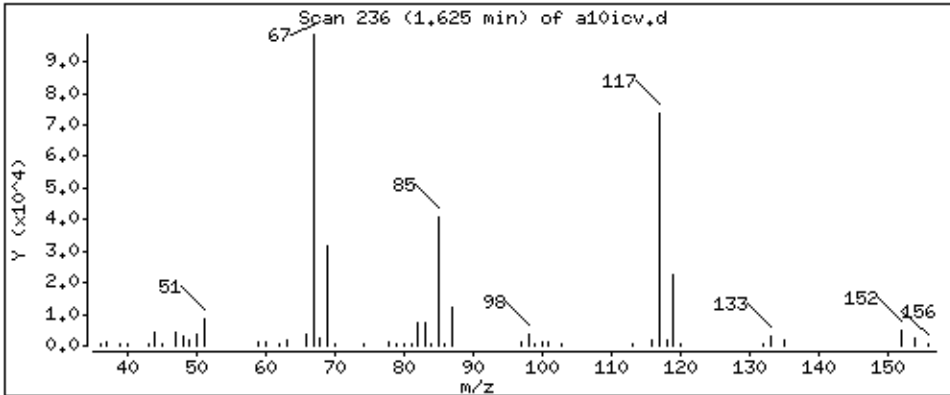
Operator: grm

Column phase: DB-624

Column diameter: 0,18

8 1,2-dichlorotrifluoroethane

Concentration: 48,0 ppb



Date : 19-JUN-2014 18:51

Client ID: 8260-ICV,71105:0

Instrument: 50mv1a.i

Sample Info: 8260-ICV,71105:0

Purge Volume: 5.0

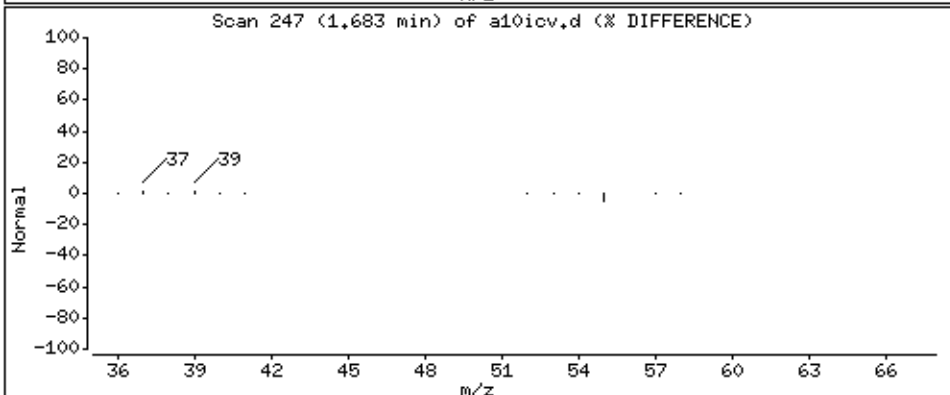
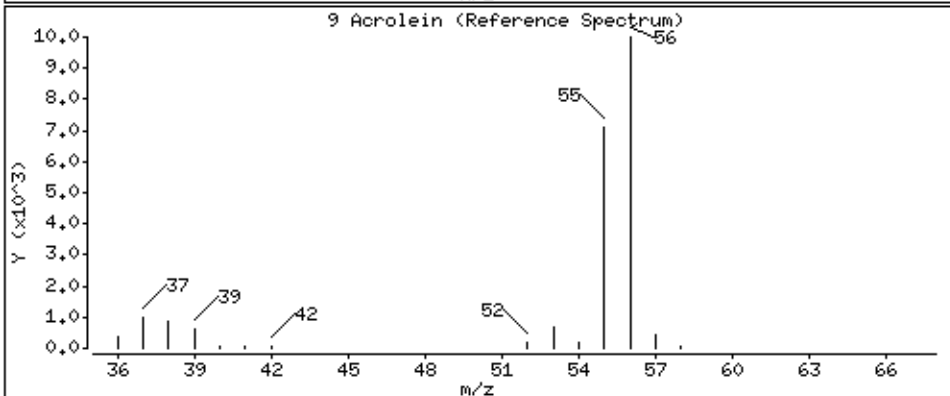
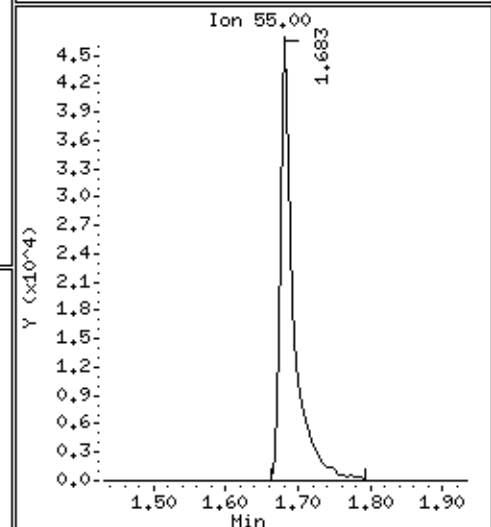
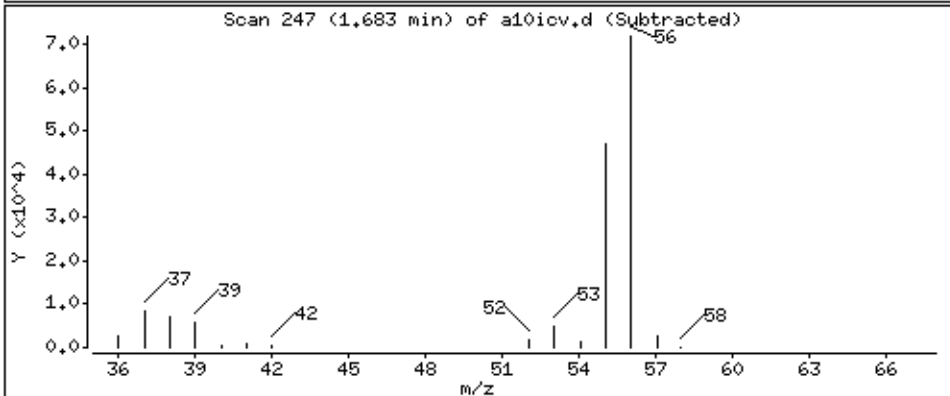
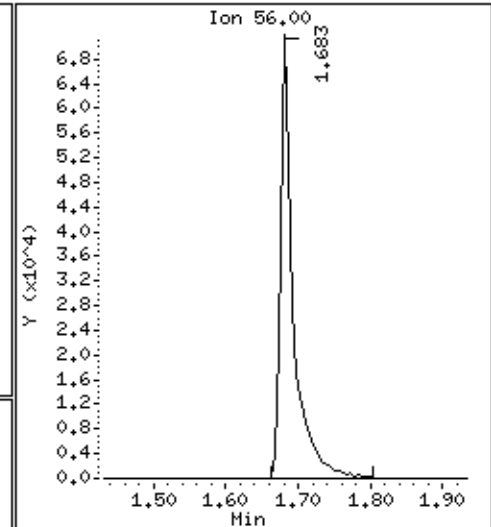
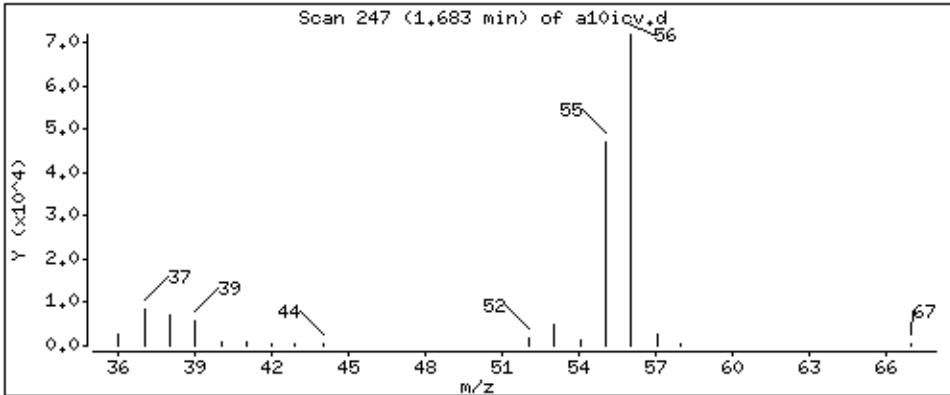
Operator: grm

Column phase: DB-624

Column diameter: 0,18

9 Acrolein

Concentration: 1240 ppb



Date : 19-JUN-2014 18:51

Client ID: 8260-ICV,71105;0

Instrument: 50mv1a.i

Sample Info: 8260-ICV,71105;0

Purge Volume: 5.0

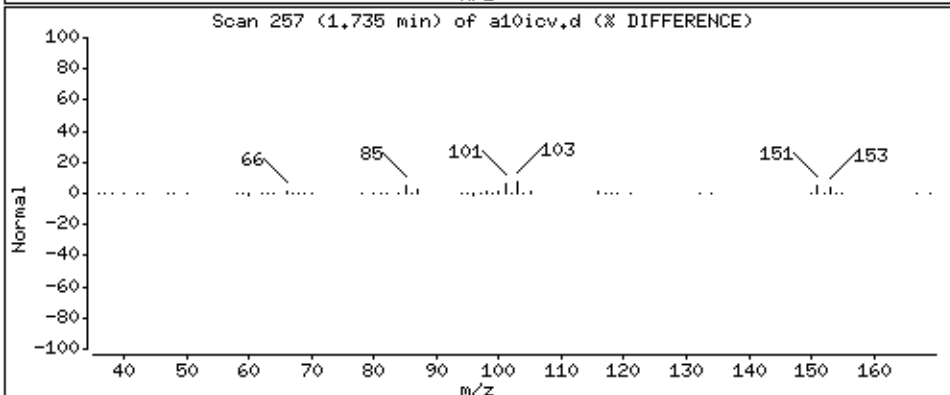
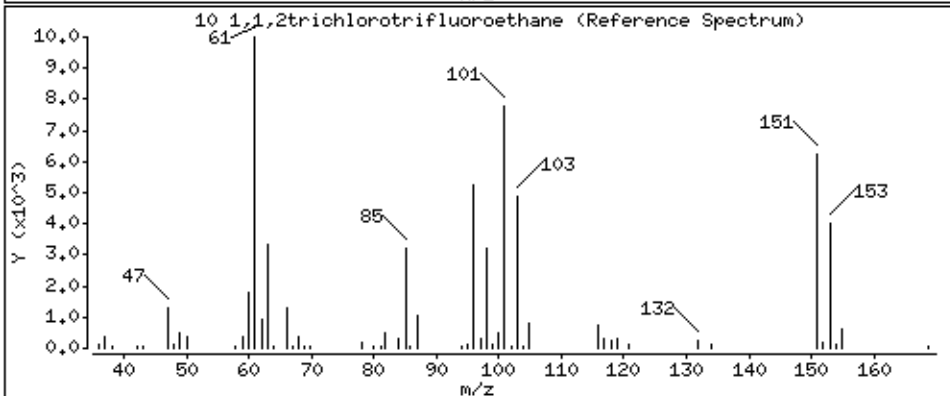
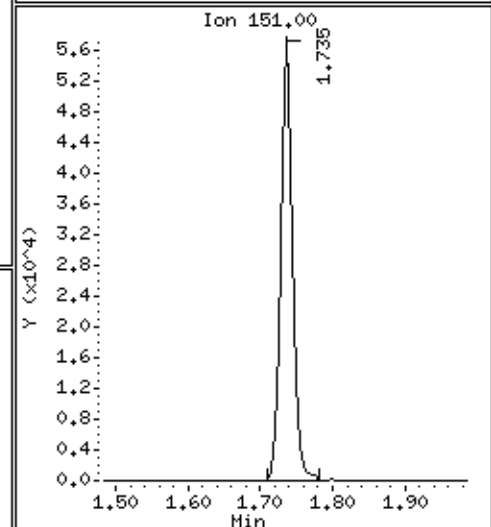
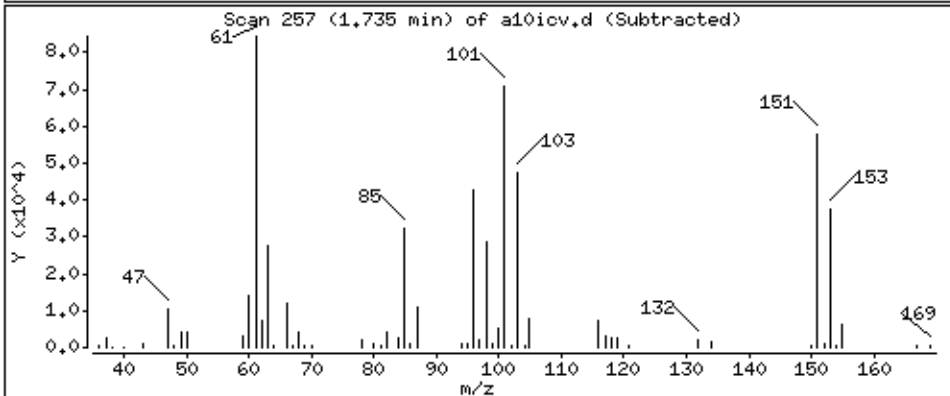
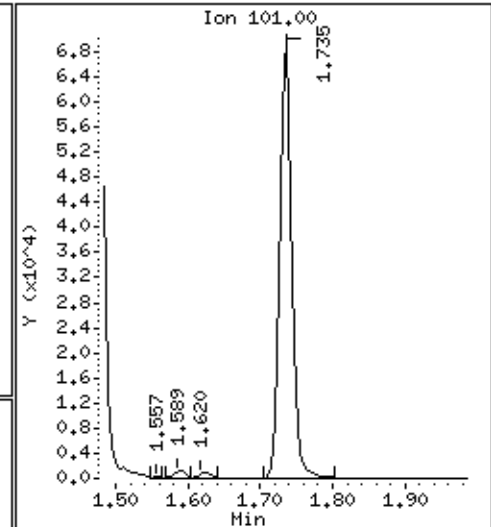
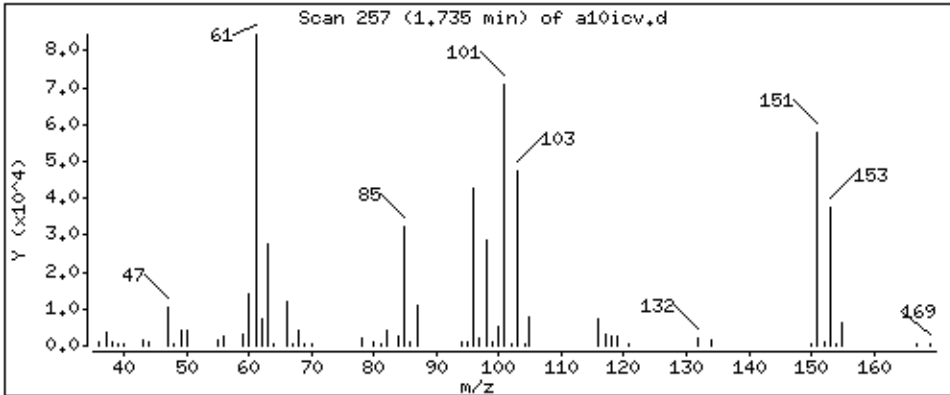
Operator: grm

Column phase: DB-624

Column diameter: 0,18

10 1,1,2trichlorotrifluoroethane

Concentration: 48,4 ppb



Date : 19-JUN-2014 18:51

Client ID: 8260-ICV,71105;0

Instrument: 50mv1a.i

Sample Info: 8260-ICV,71105;0

Purge Volume: 5.0

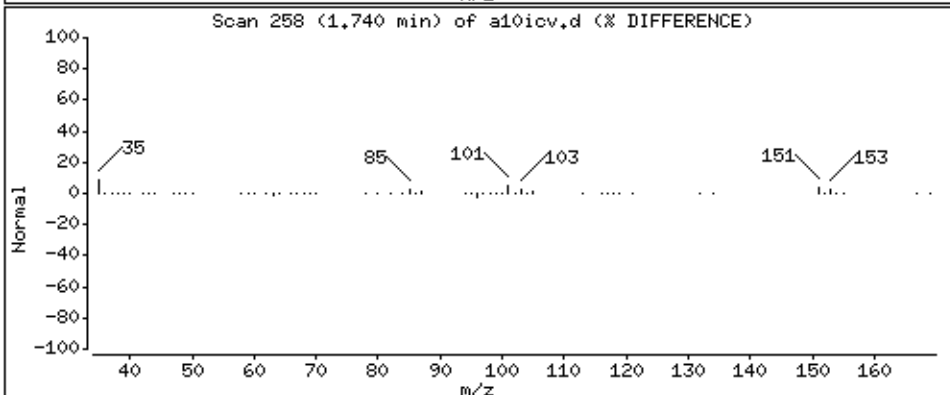
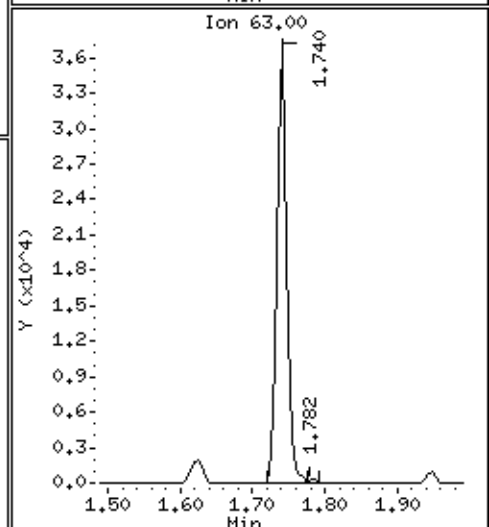
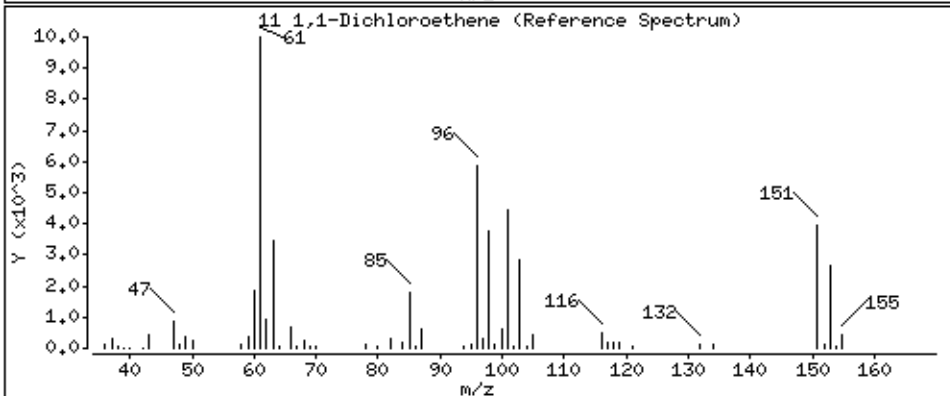
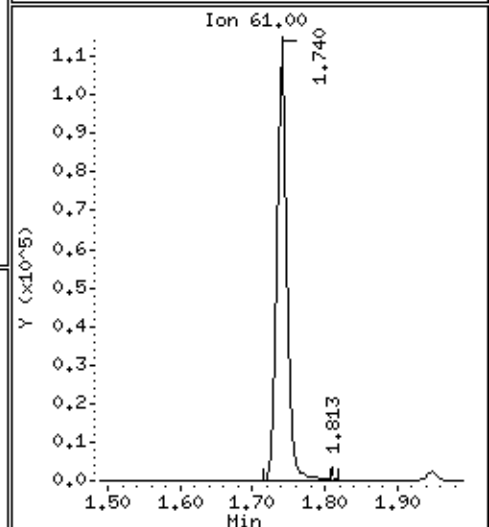
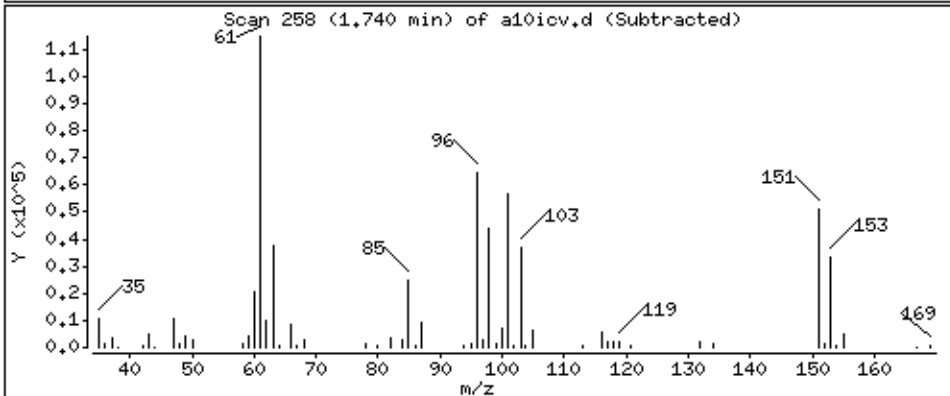
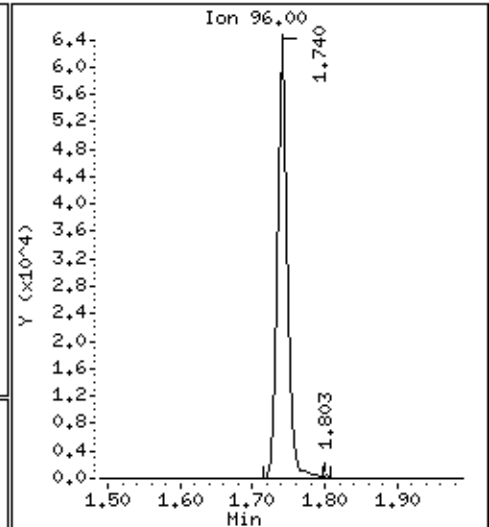
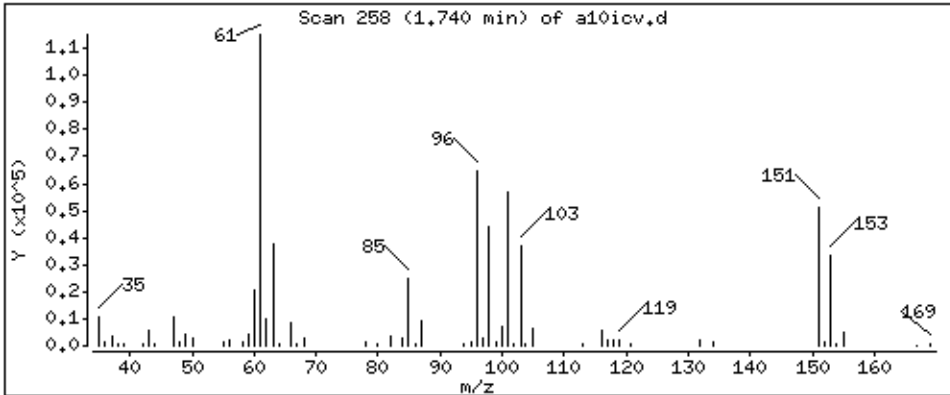
Operator: grm

Column phase: DB-624

Column diameter: 0,18

11 1,1-Dichloroethene

Concentration: 44,0 ppb



Date : 19-JUN-2014 18:51

Client ID: 8260-ICV,71105;0

Instrument: 50mv1a.i

Sample Info: 8260-ICV,71105;0

Purge Volume: 5.0

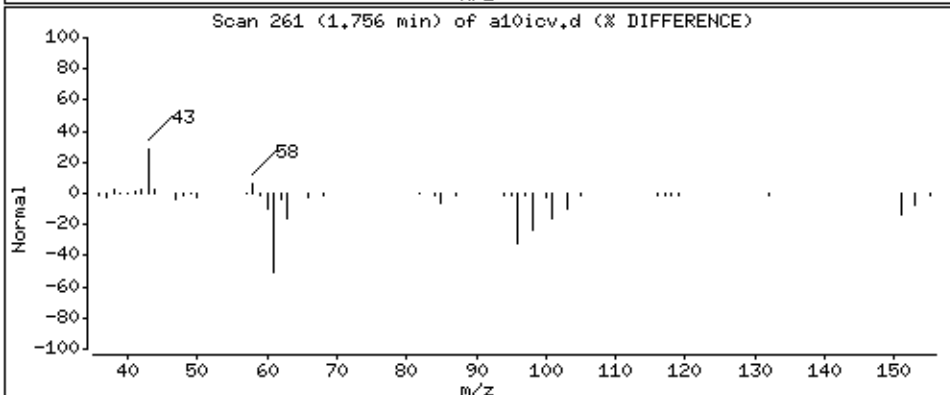
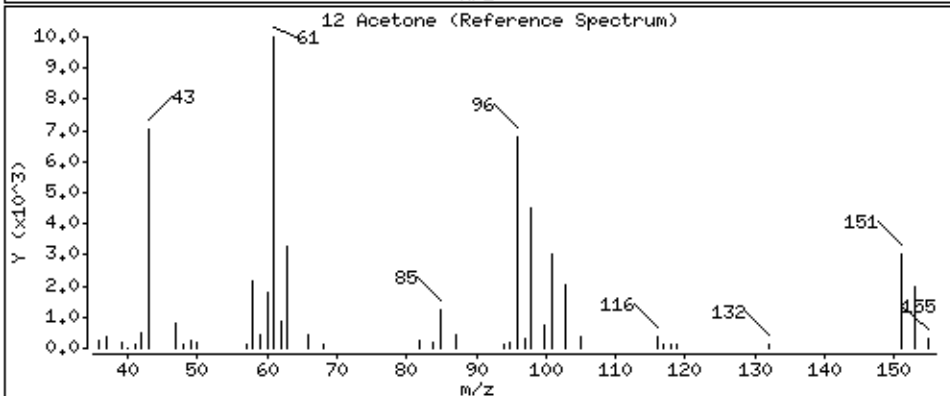
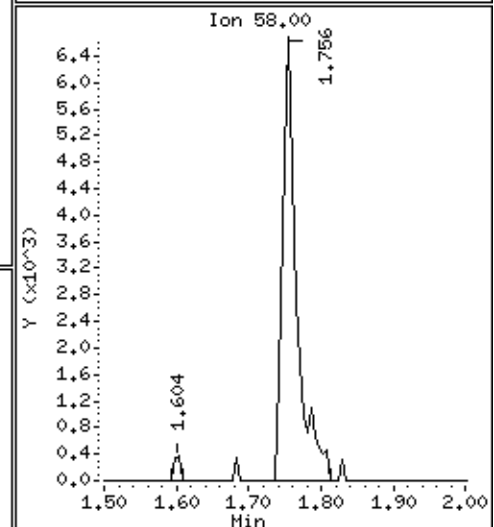
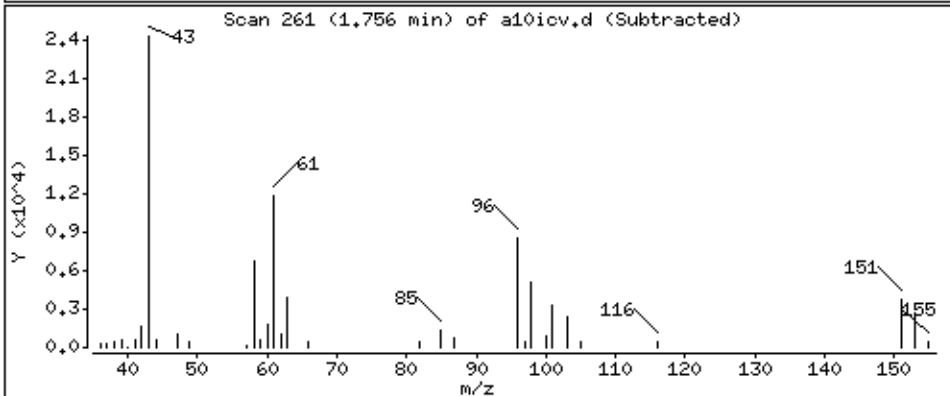
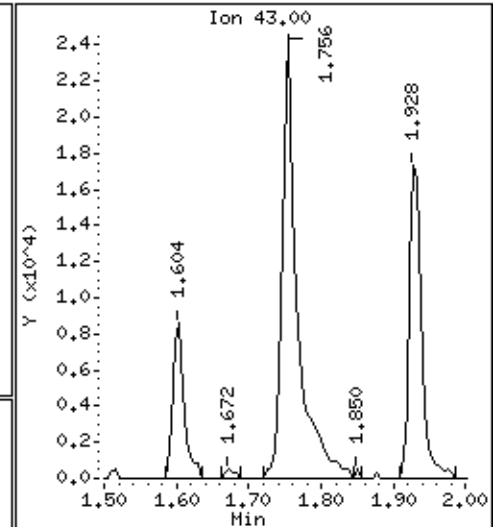
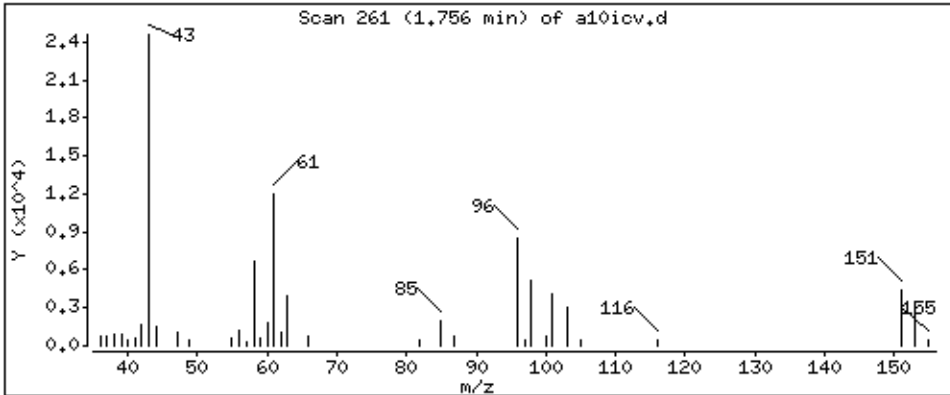
Operator: grm

Column phase: DB-624

Column diameter: 0,18

12 Acetone

Concentration: 230 ppb



Date : 19-JUN-2014 18:51

Client ID: 8260-ICV,71105;0

Instrument: 50mv1a.i

Sample Info: 8260-ICV,71105;0

Purge Volume: 5.0

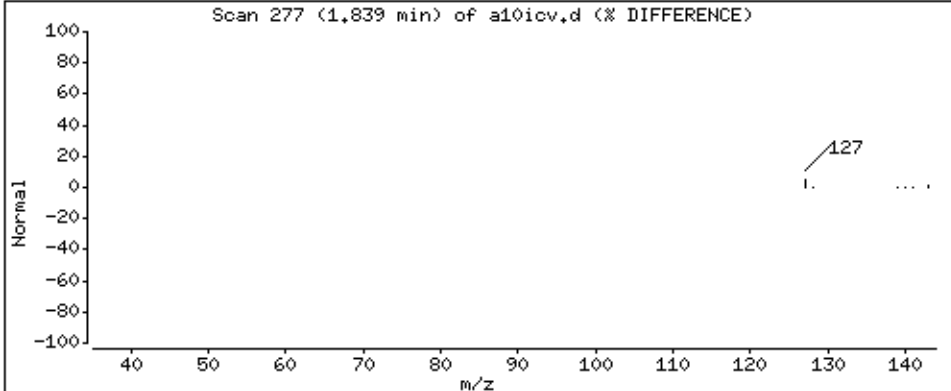
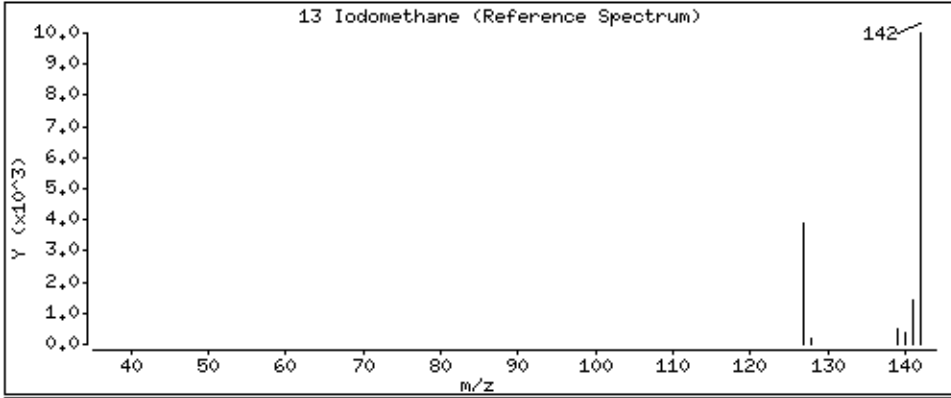
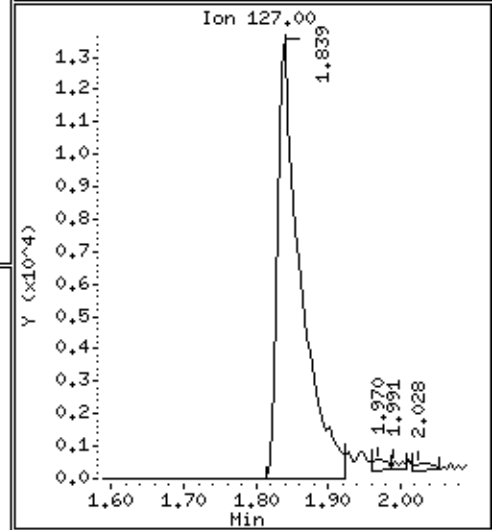
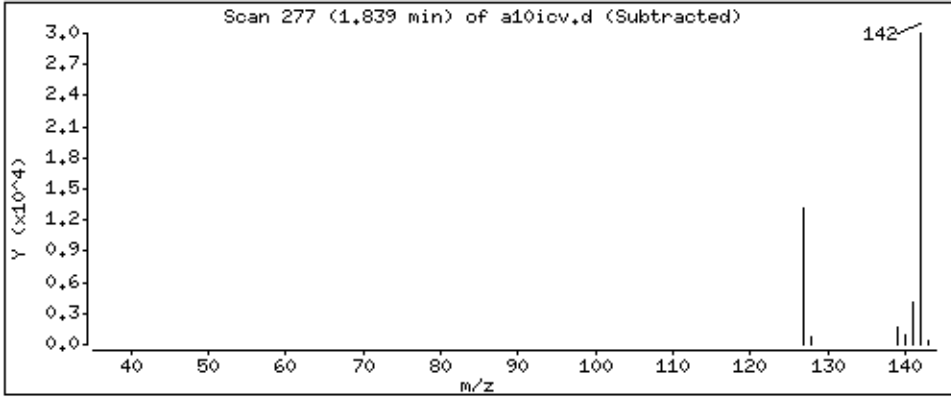
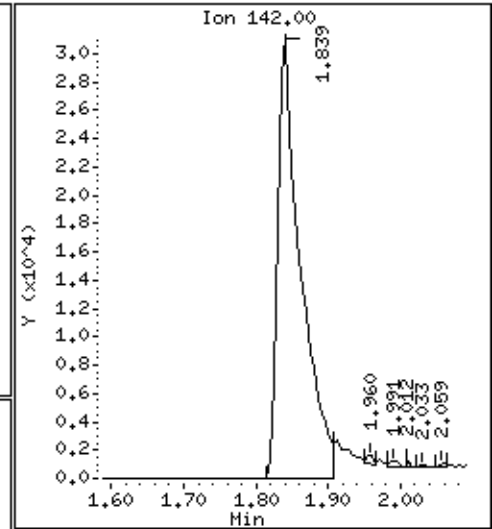
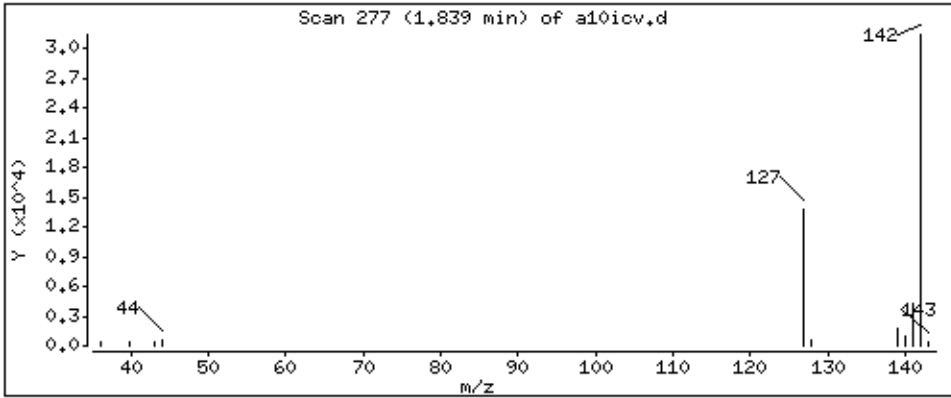
Operator: grm

Column phase: DB-624

Column diameter: 0,18

13 Iodomethane

Concentration: 74,2 ppb



Date : 19-JUN-2014 18:51

Client ID: 8260-ICV,71105;0

Instrument: 50mv1a.i

Sample Info: 8260-ICV,71105;0

Purge Volume: 5.0

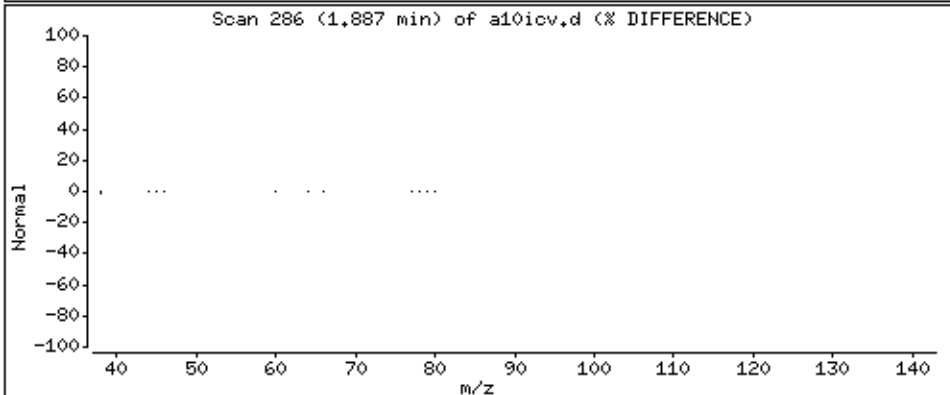
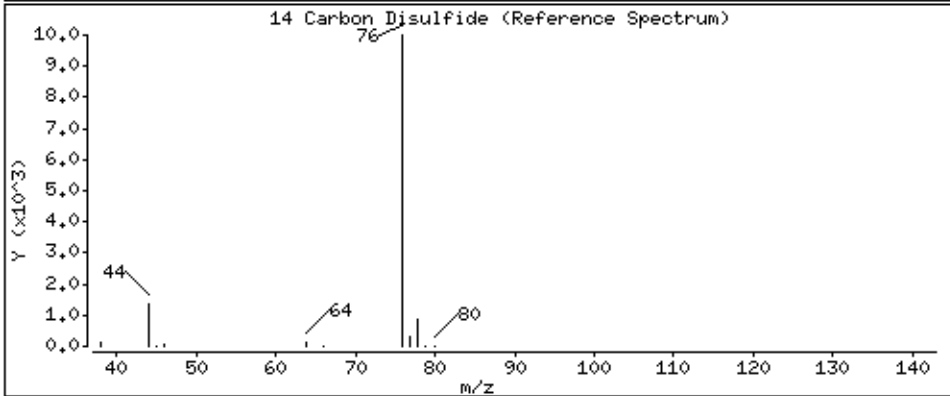
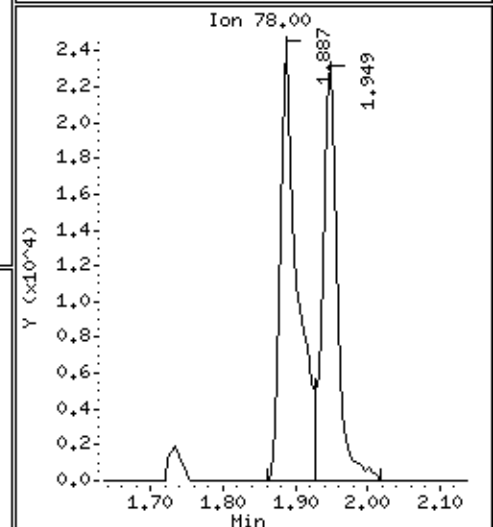
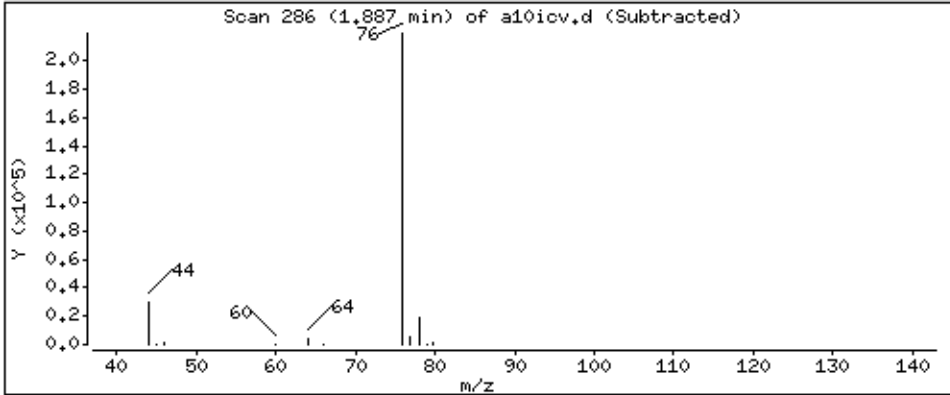
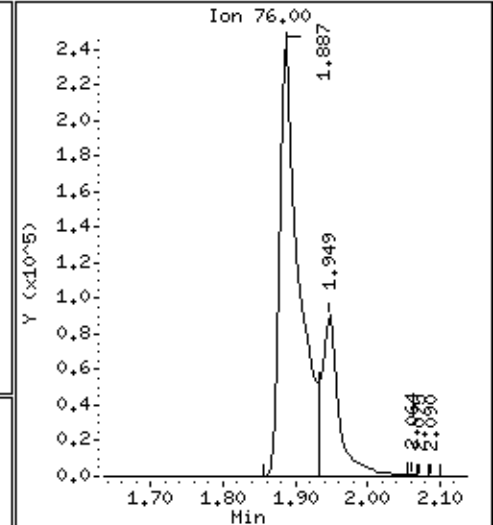
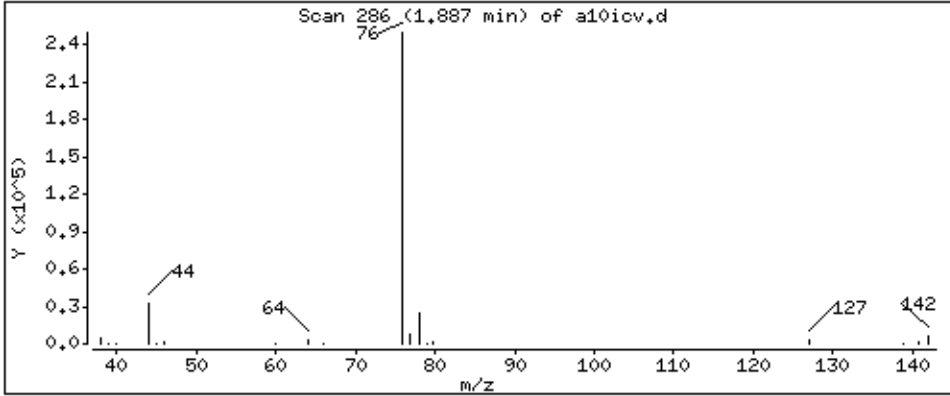
Operator: grm

Column phase: DB-624

Column diameter: 0,18

14 Carbon Disulfide

Concentration: 96,7 ppb



Date : 19-JUN-2014 18:51

Client ID: 8260-ICV,71105;0

Instrument: 50mv1a.i

Sample Info: 8260-ICV,71105;0

Purge Volume: 5.0

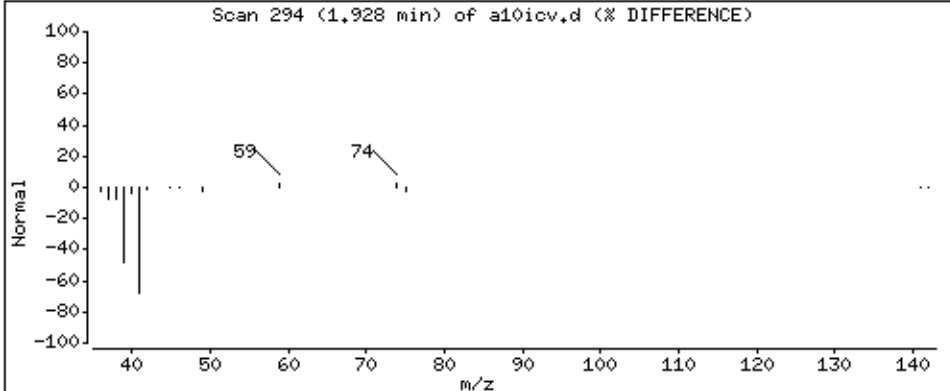
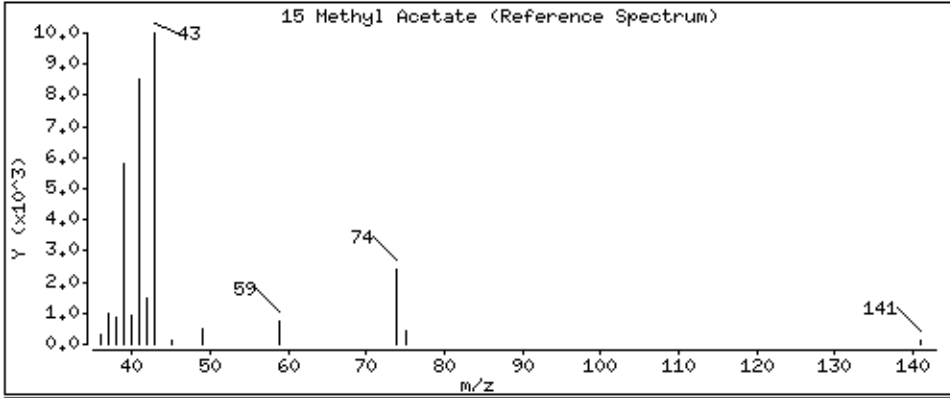
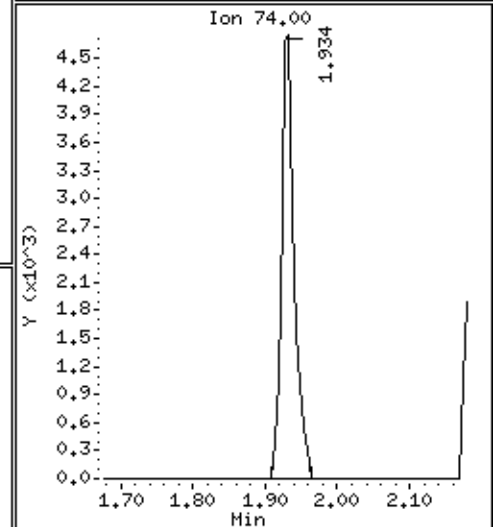
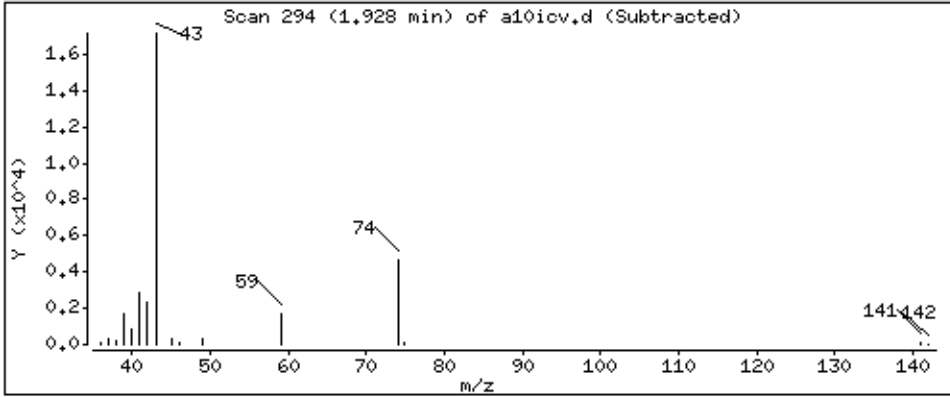
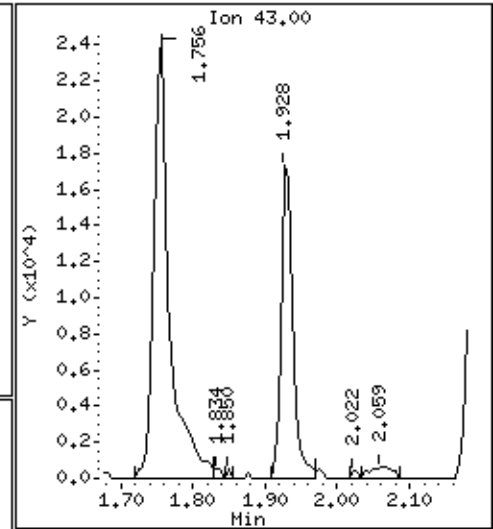
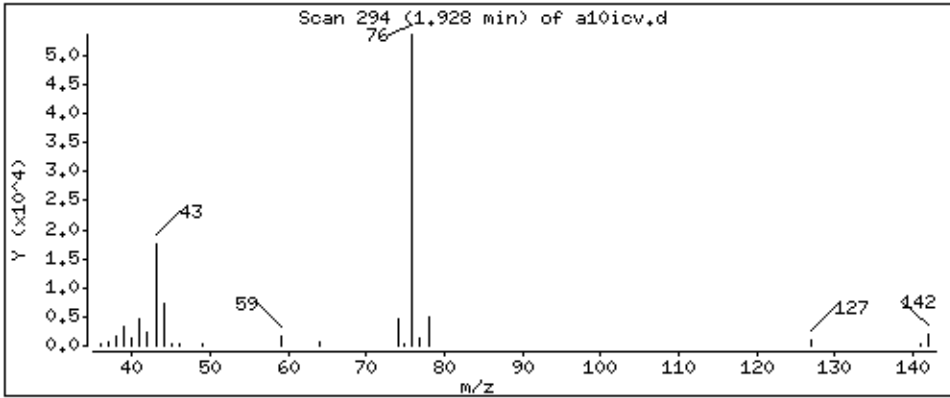
Operator: grm

Column phase: DB-624

Column diameter: 0,18

15 Methyl Acetate

Concentration: 53,6 ppb



Date : 19-JUN-2014 18:51

Client ID: 8260-ICV,71105:0

Instrument: 50mv1a.i

Sample Info: 8260-ICV,71105:0

Purge Volume: 5.0

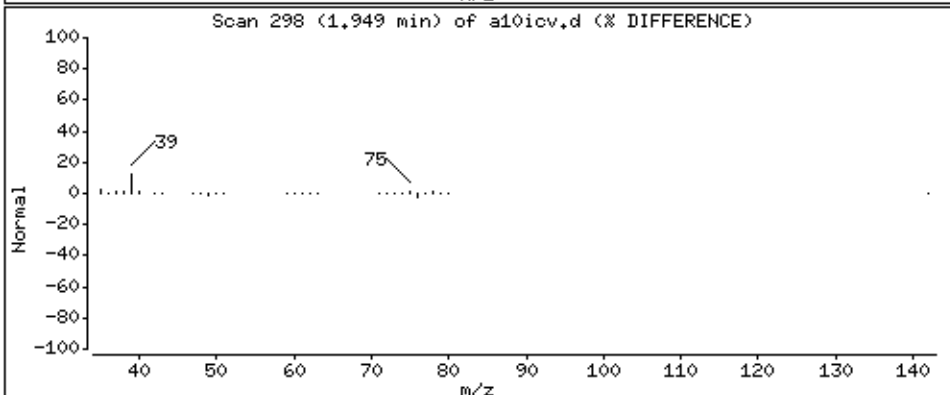
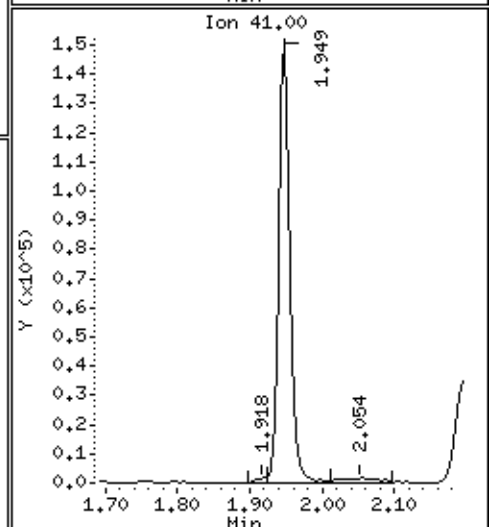
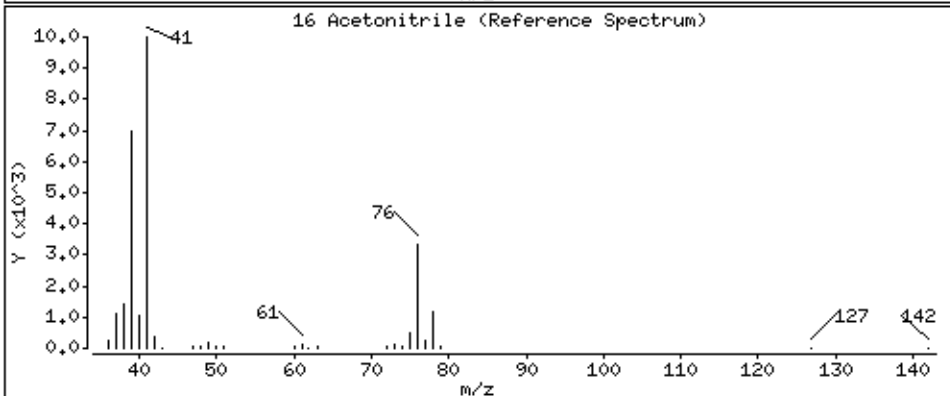
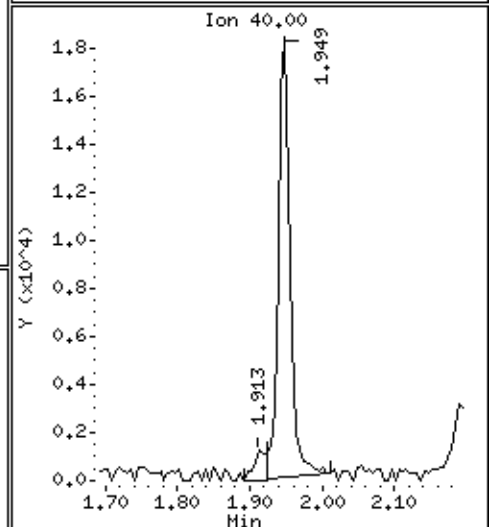
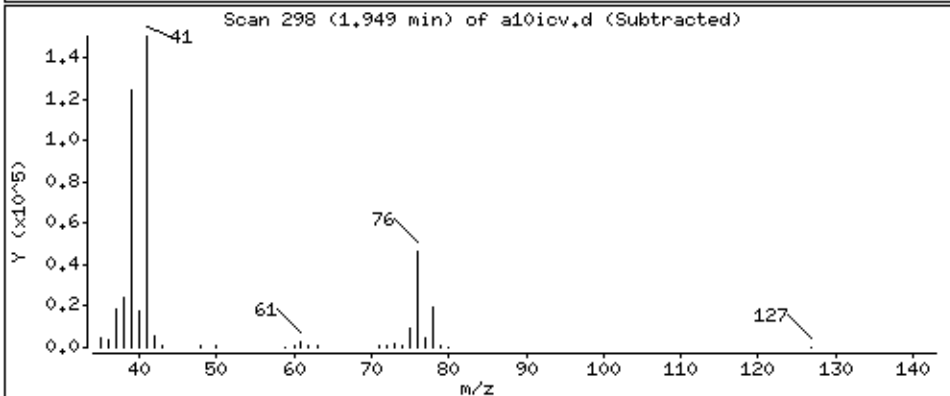
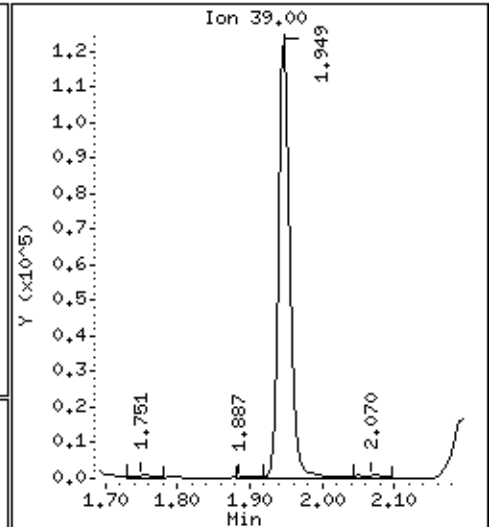
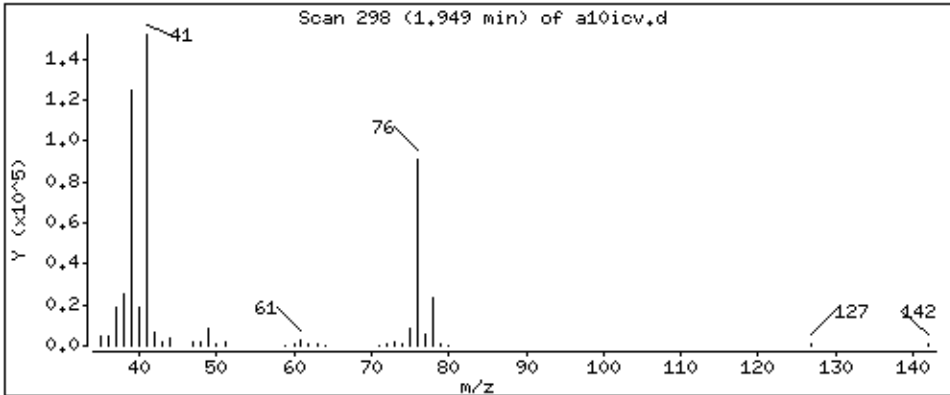
Operator: grm

Column phase: DB-624

Column diameter: 0,18

16 Acetonitrile

Concentration: 877 ppb



Date : 19-JUN-2014 18:51

Client ID: 8260-ICV,71105:0

Instrument: 50mv1a.i

Sample Info: 8260-ICV,71105:0

Purge Volume: 5.0

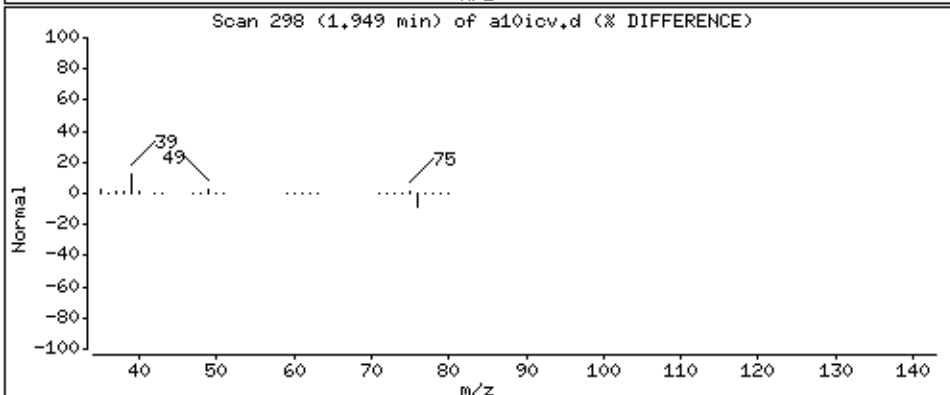
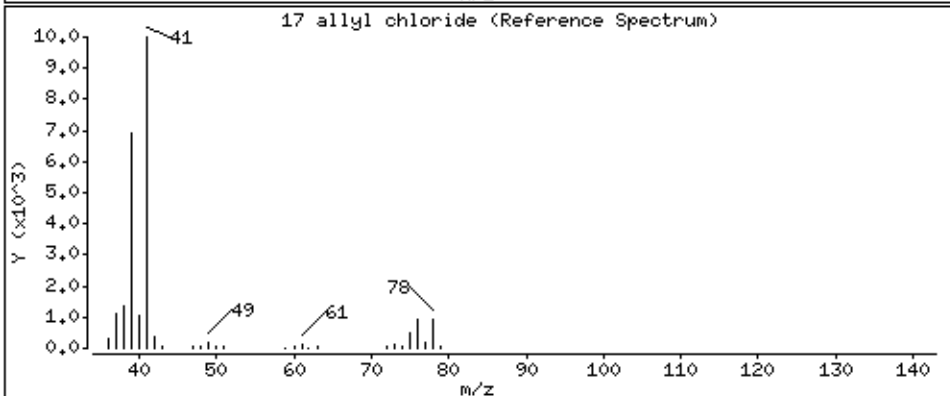
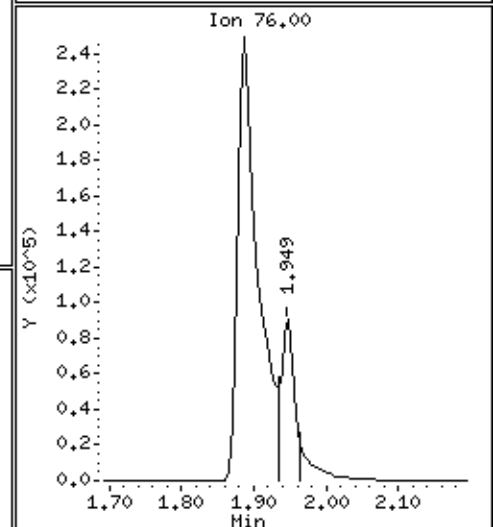
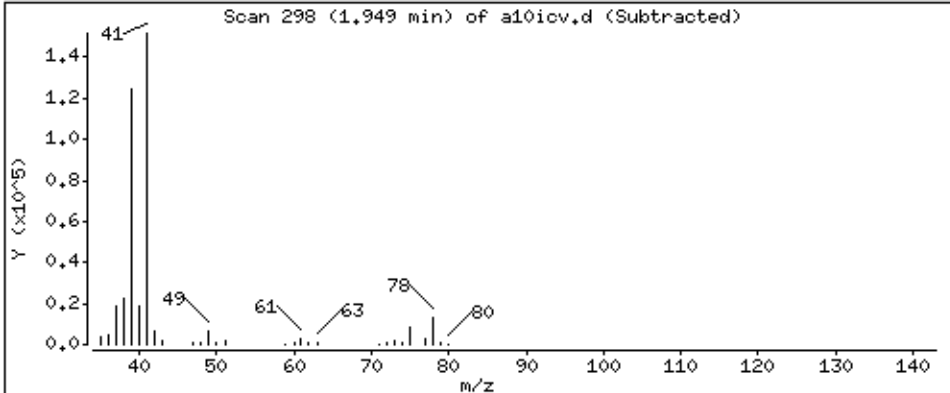
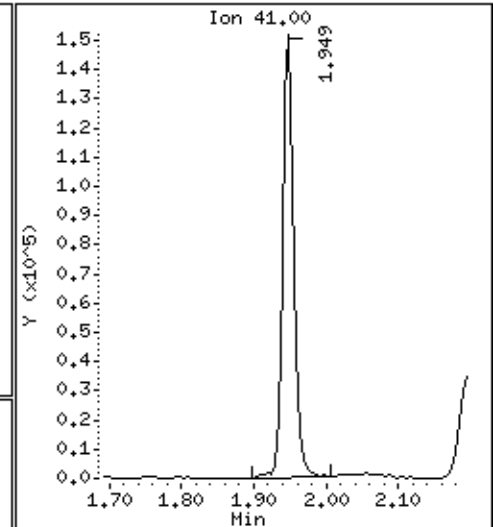
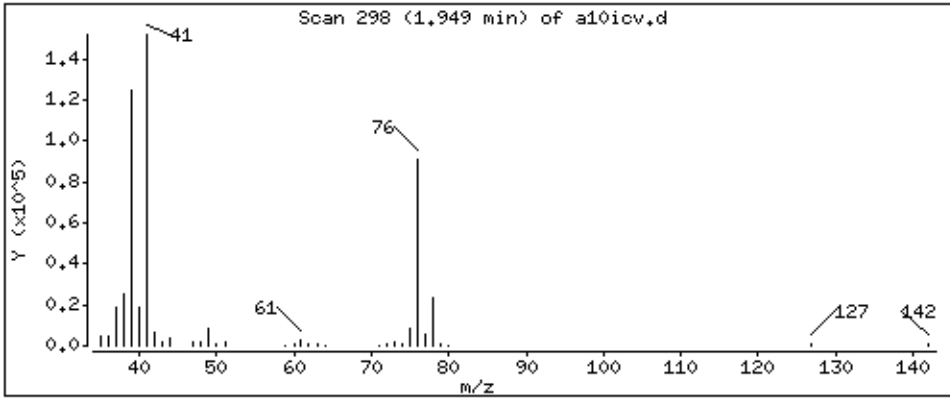
Operator: grm

Column phase: DB-624

Column diameter: 0,18

17 allyl chloride

Concentration: 87.0 ppb



Date : 19-JUN-2014 18:51

Client ID: 8260-ICV,71105;0

Instrument: 50mv1a.i

Sample Info: 8260-ICV,71105;0

Purge Volume: 5.0

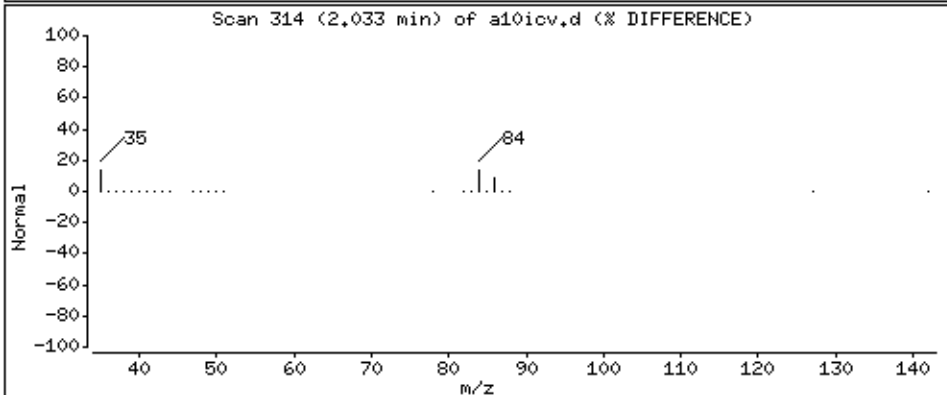
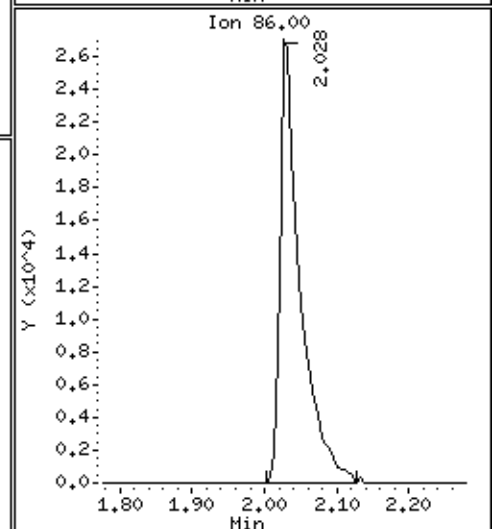
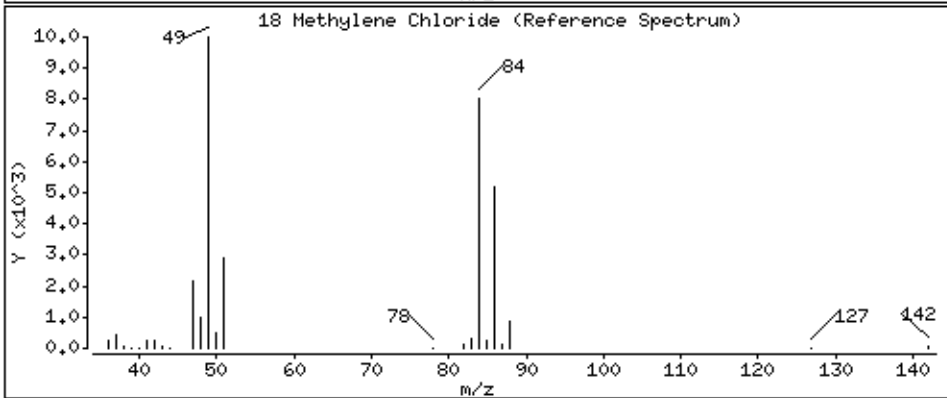
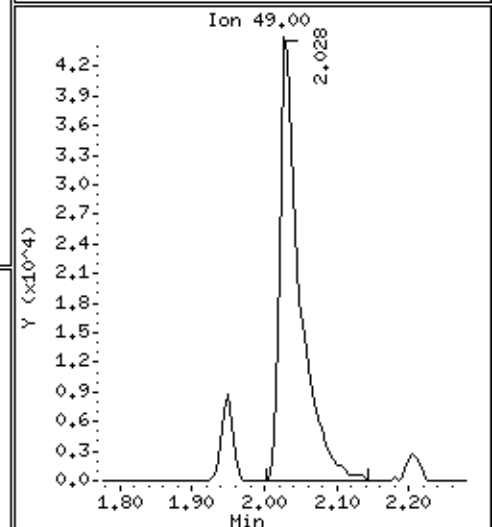
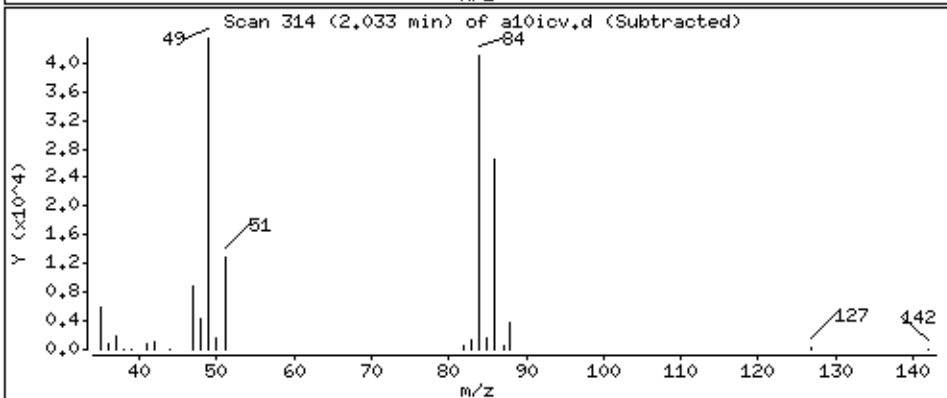
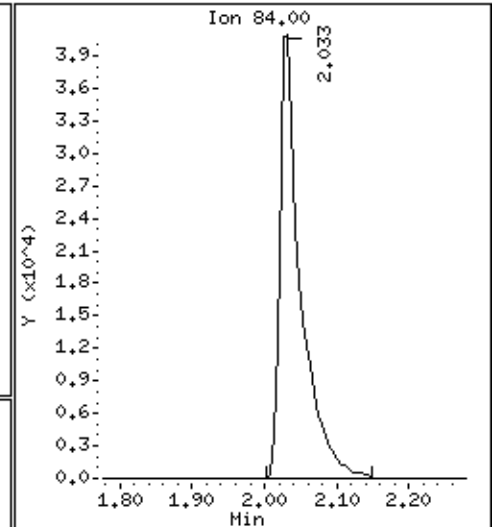
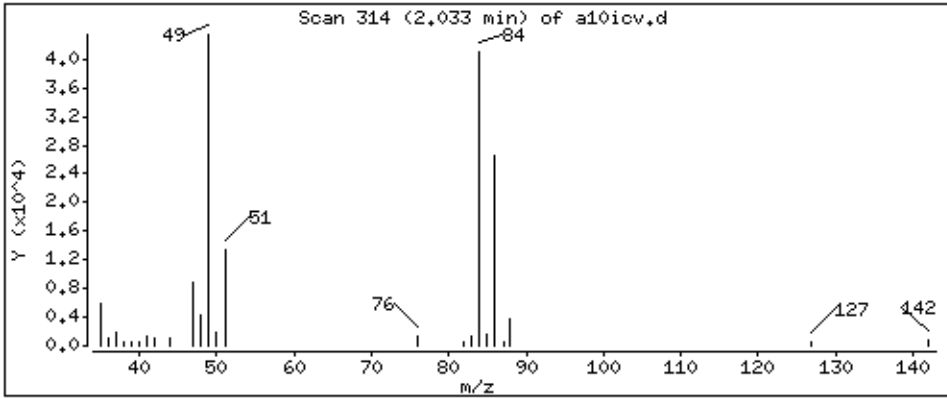
Operator: grm

Column phase: DB-624

Column diameter: 0,18

18 Methylene Chloride

Concentration: 44,5 ppb



Date : 19-JUN-2014 18:51

Client ID: 8260-ICV,71105;0

Instrument: 50mv1a.i

Sample Info: 8260-ICV,71105;0

Purge Volume: 5.0

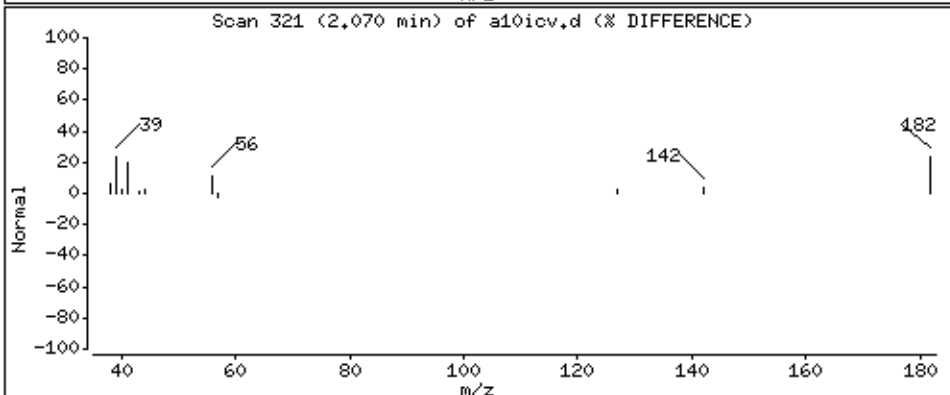
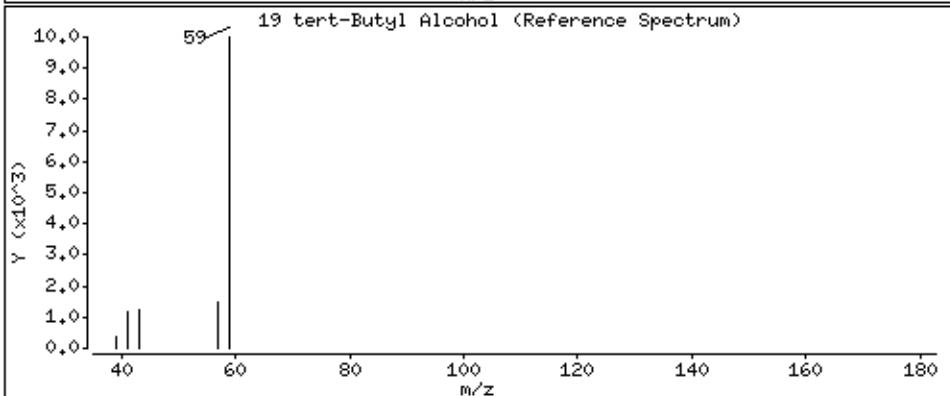
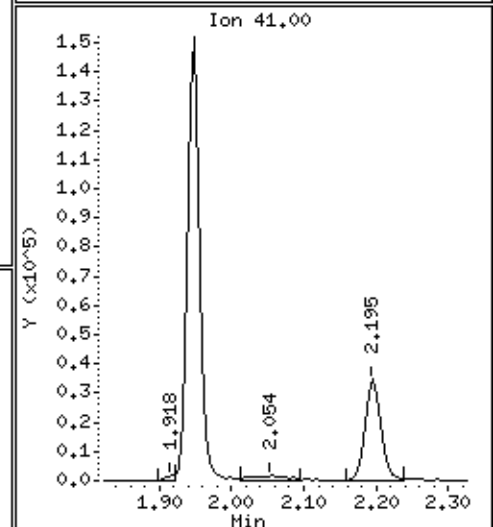
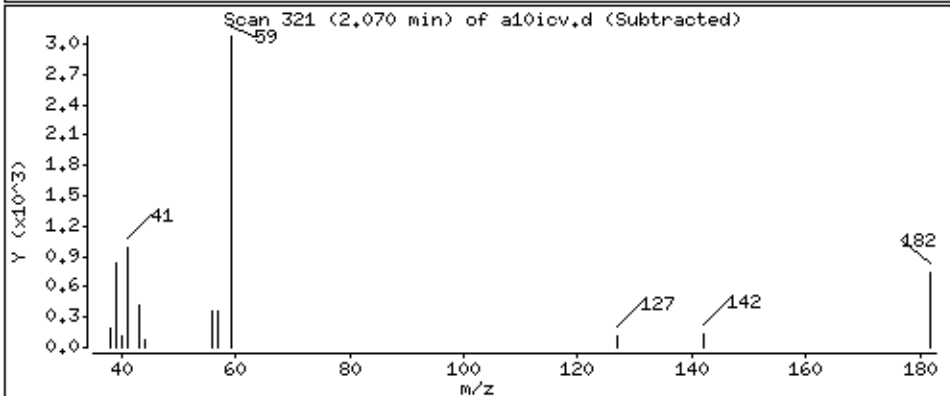
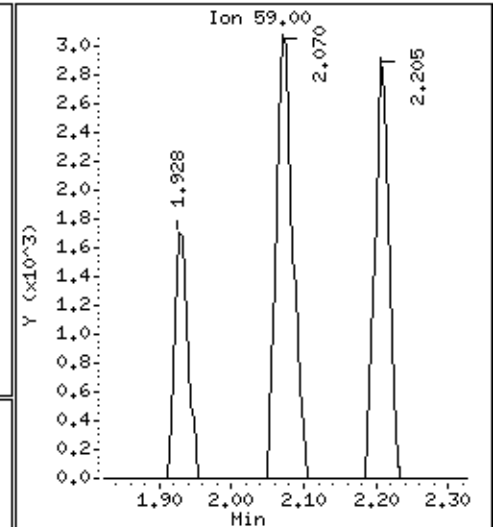
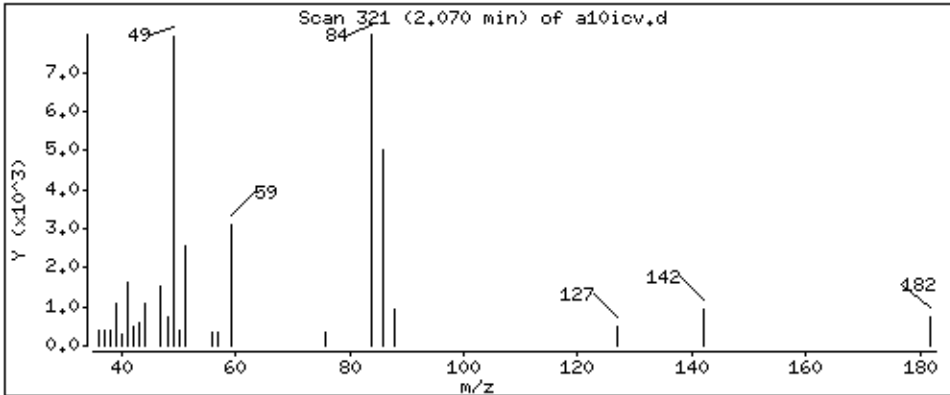
Operator: grm

Column phase: DB-624

Column diameter: 0,18

19 tert-Butyl Alcohol

Concentration: 111 ppb



Date : 19-JUN-2014 18:51

Client ID: 8260-ICV,71105:0

Instrument: 50mv1a.i

Sample Info: 8260-ICV,71105:0

Purge Volume: 5.0

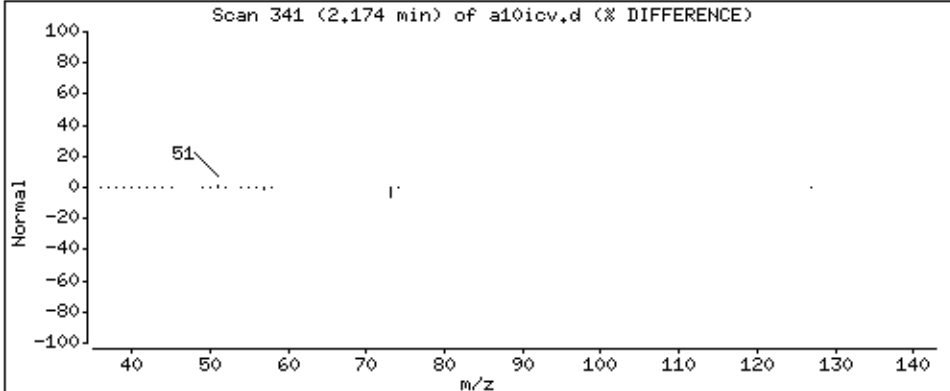
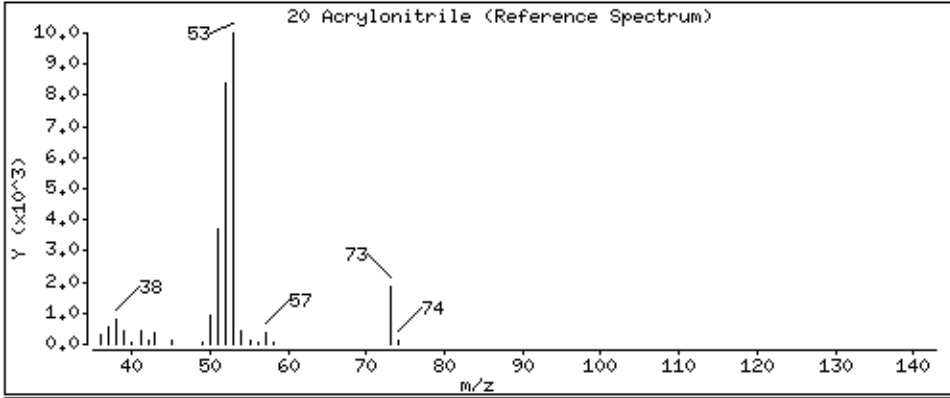
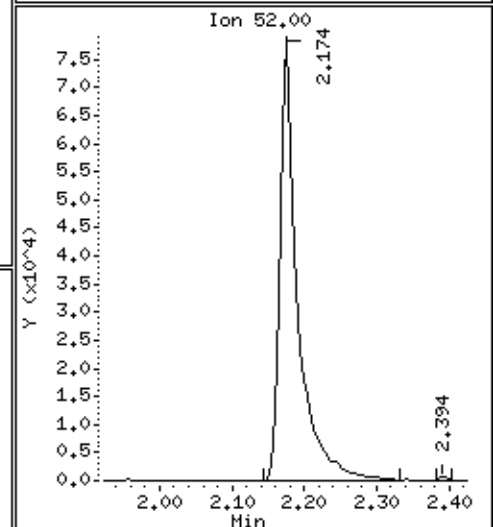
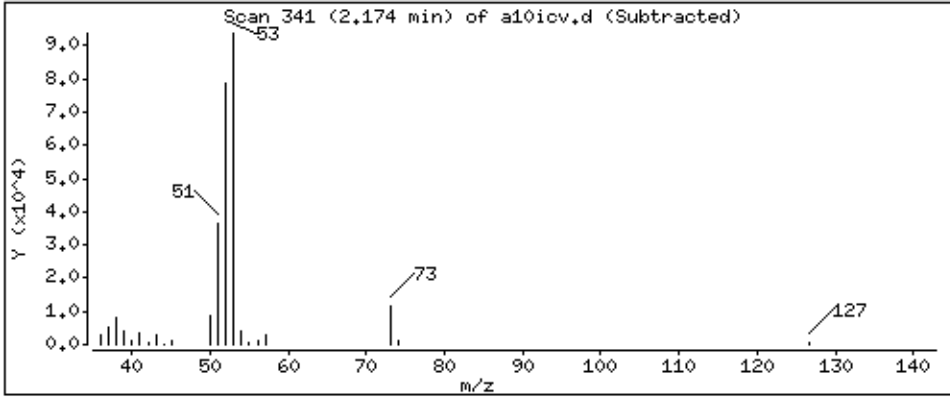
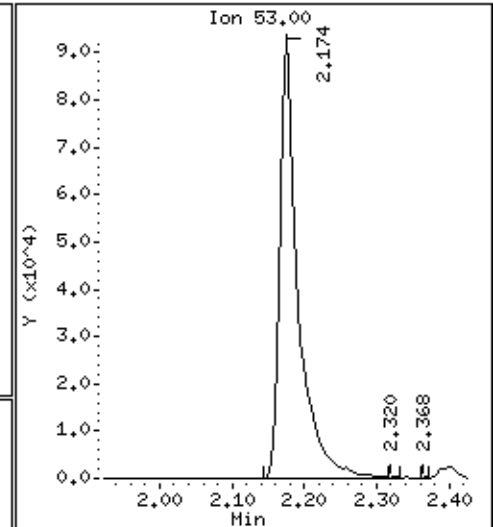
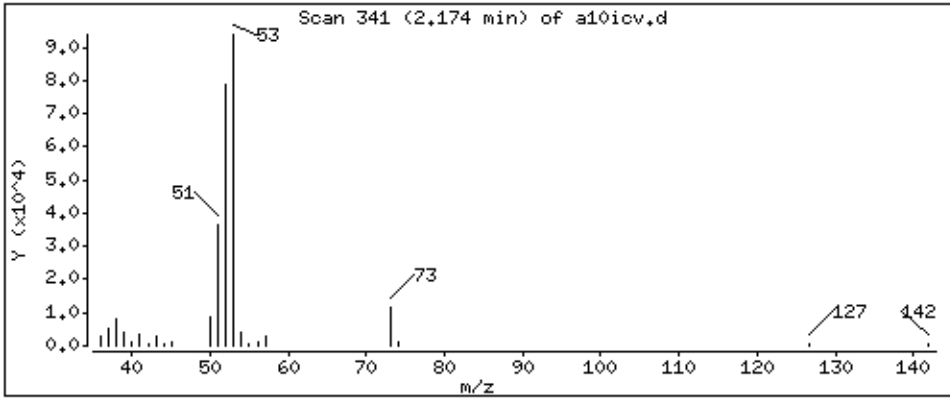
Operator: grm

Column phase: DB-624

Column diameter: 0,18

20 Acrylonitrile

Concentration: 911 ppb



Date : 19-JUN-2014 18:51

Client ID: 8260-ICV,71105:0

Instrument: 50mv1a.i

Sample Info: 8260-ICV,71105:0

Purge Volume: 5.0

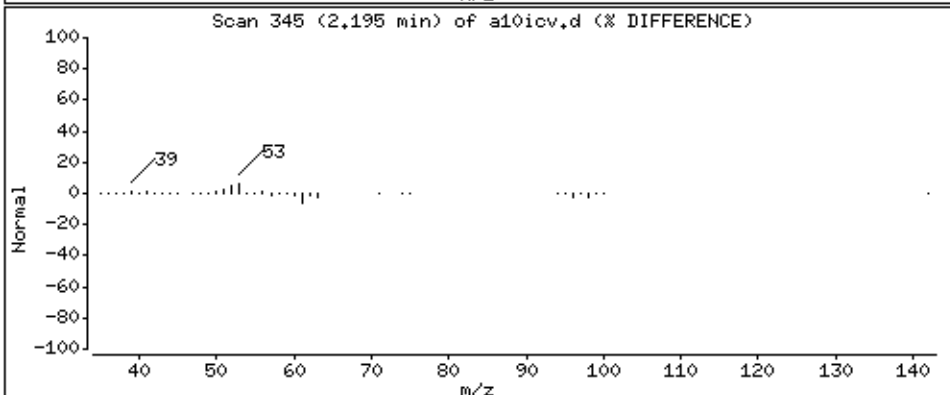
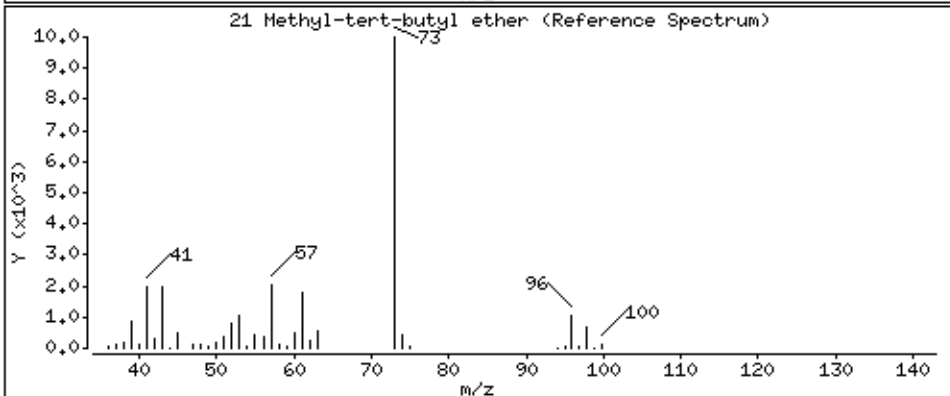
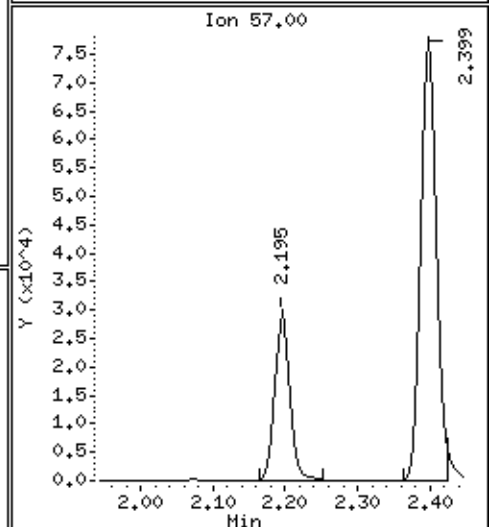
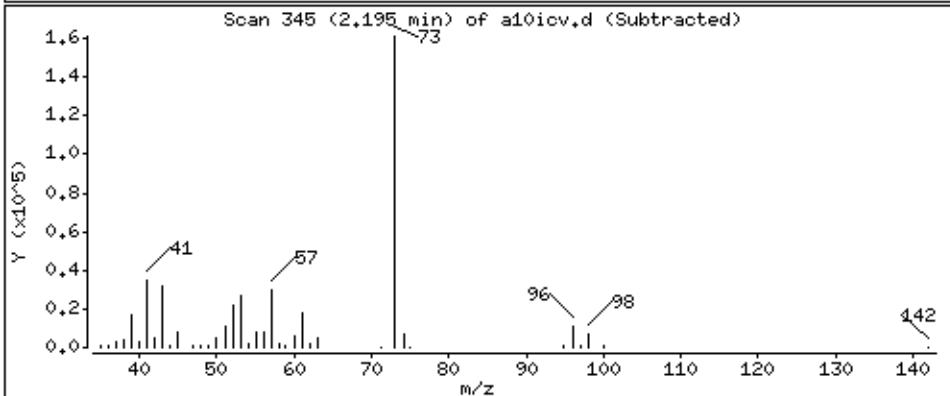
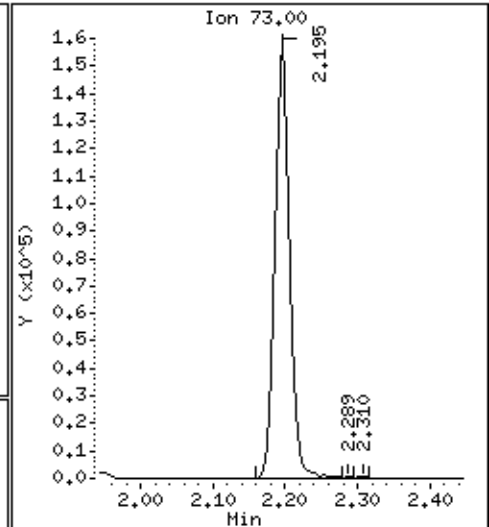
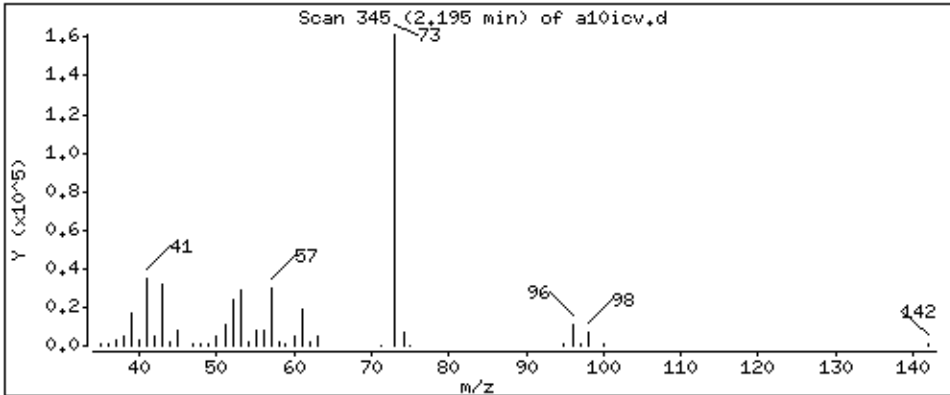
Operator: grm

Column phase: DB-624

Column diameter: 0,18

21 Methyl-tert-butyl ether

Concentration: 89,6 ppb



Date : 19-JUN-2014 18:51

Client ID: 8260-ICV,71105:0

Instrument: 50mv1a.i

Sample Info: 8260-ICV,71105:0

Purge Volume: 5.0

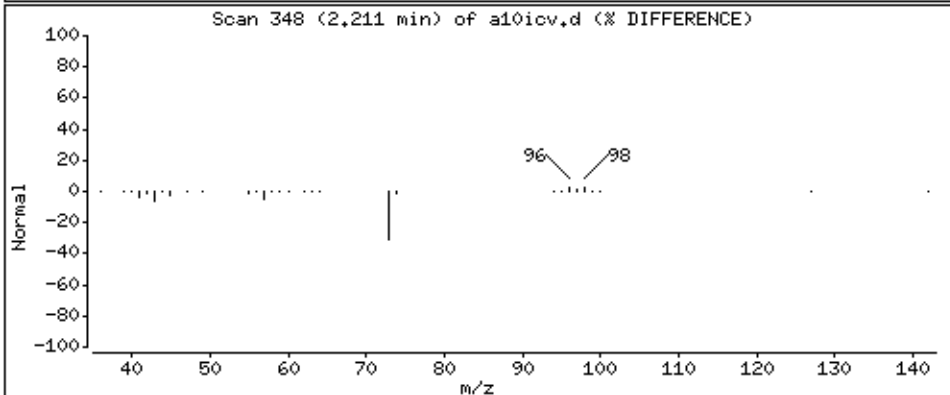
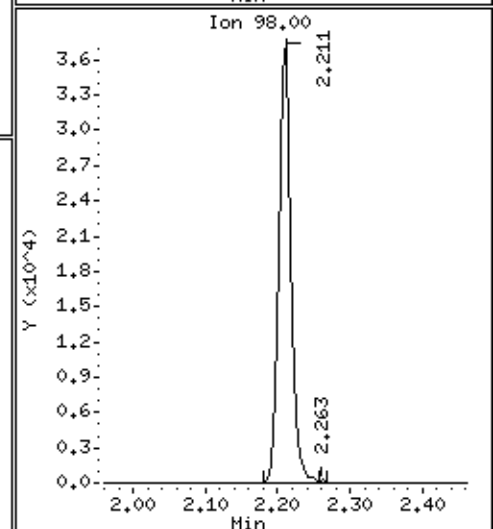
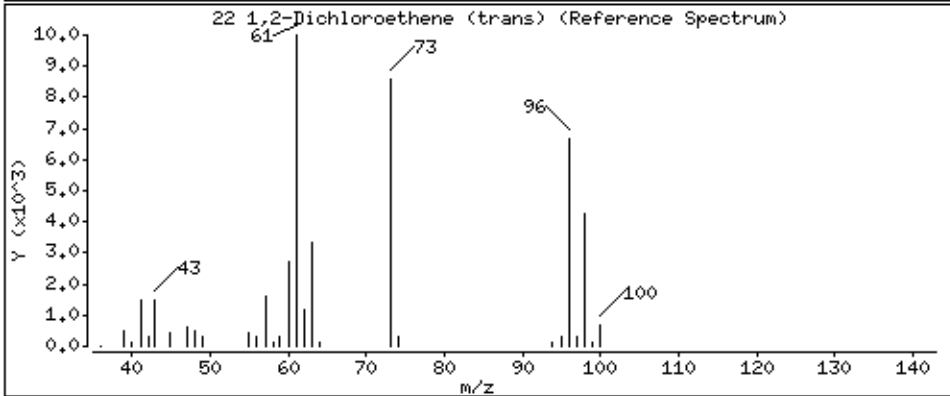
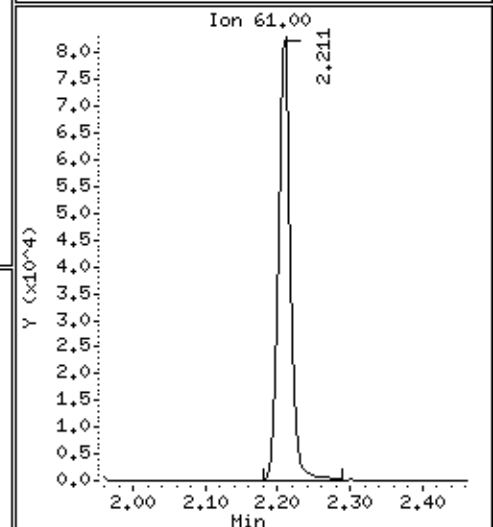
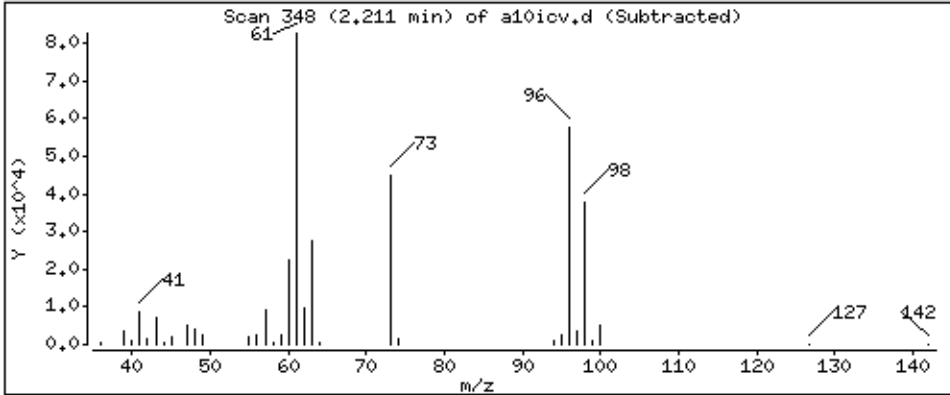
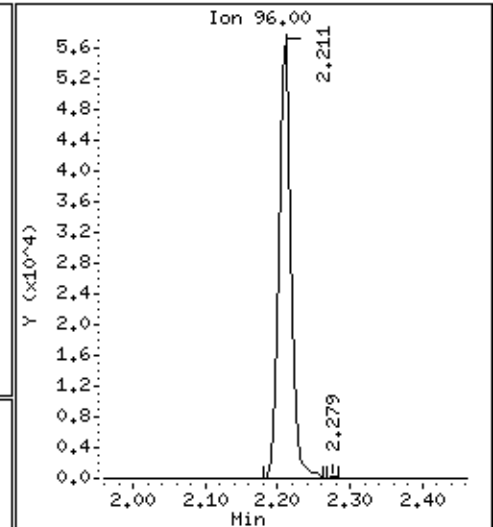
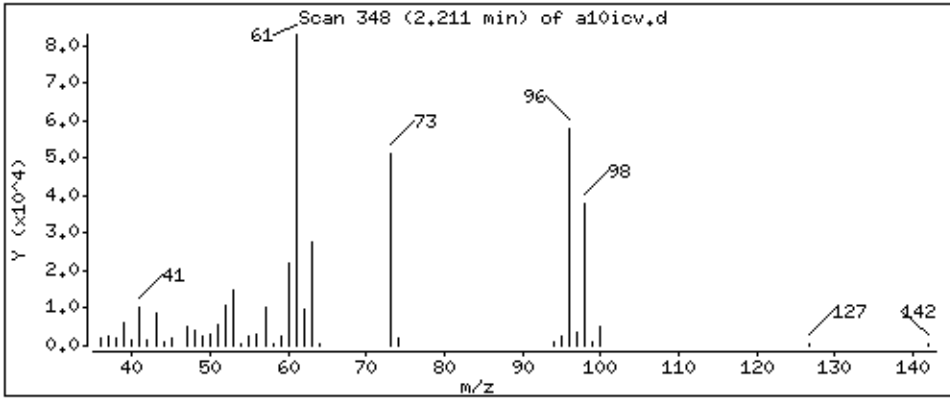
Operator: grm

Column phase: DB-624

Column diameter: 0,18

22 1,2-Dichloroethene (trans)

Concentration: 45,6 ppb



Date : 19-JUN-2014 18:51

Client ID: 8260-ICV,71105;0

Instrument: 50mv1a.i

Sample Info: 8260-ICV,71105;0

Purge Volume: 5.0

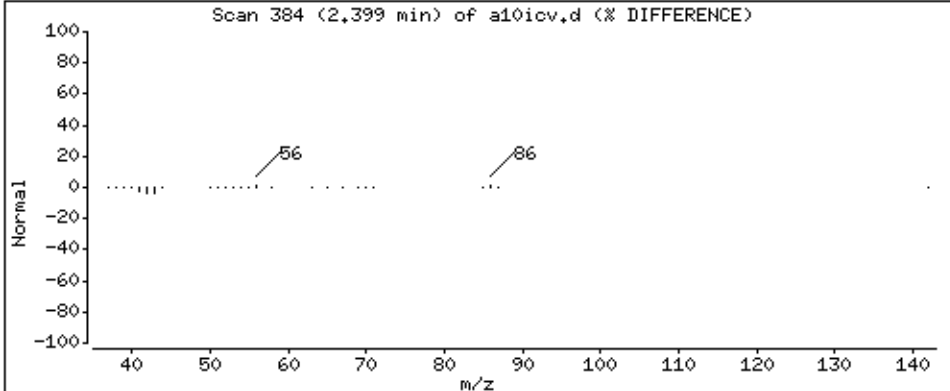
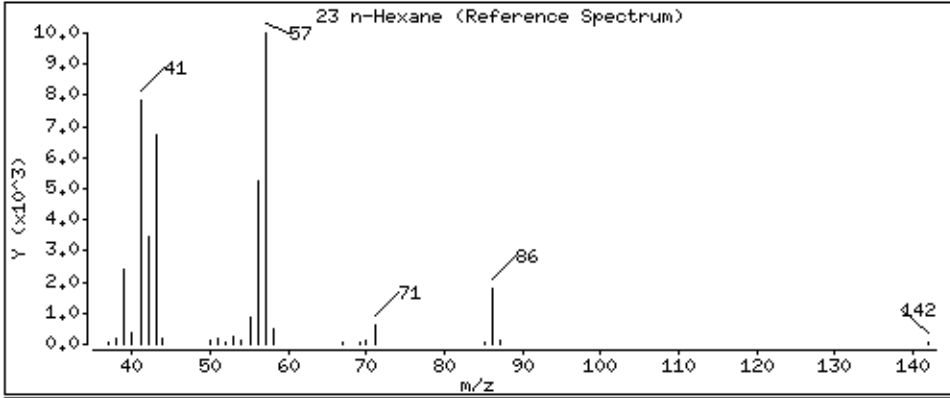
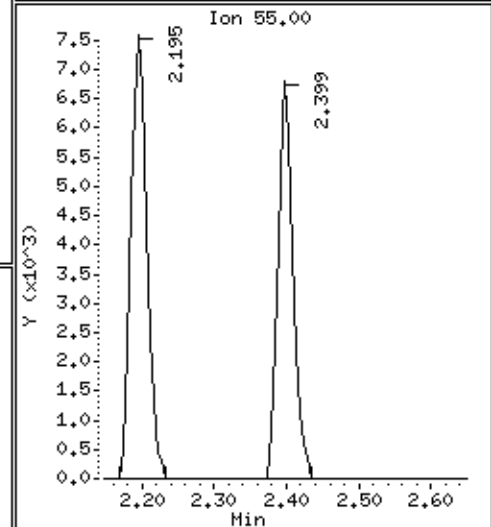
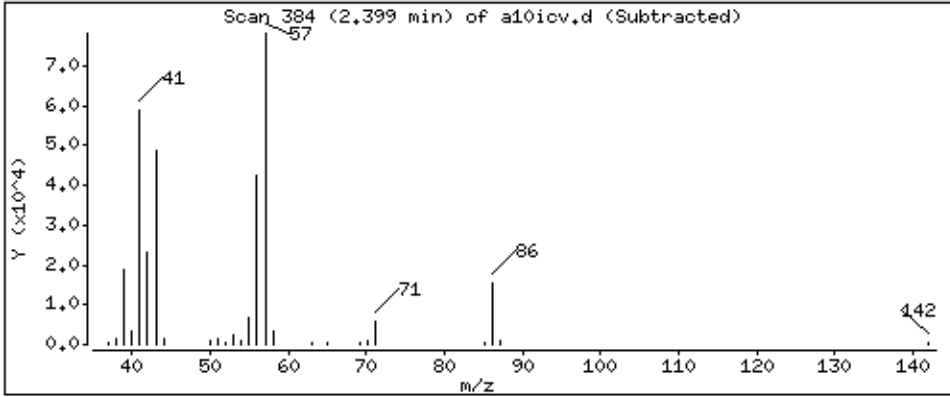
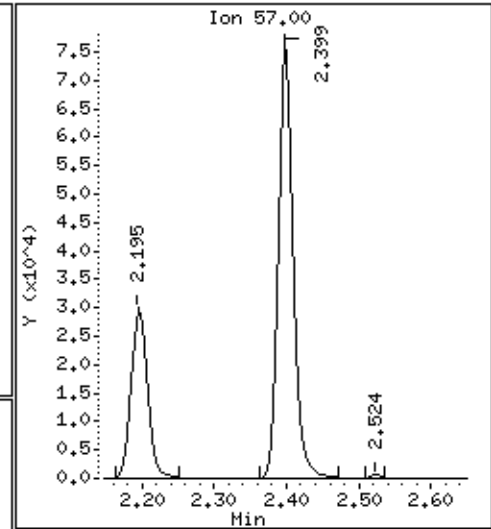
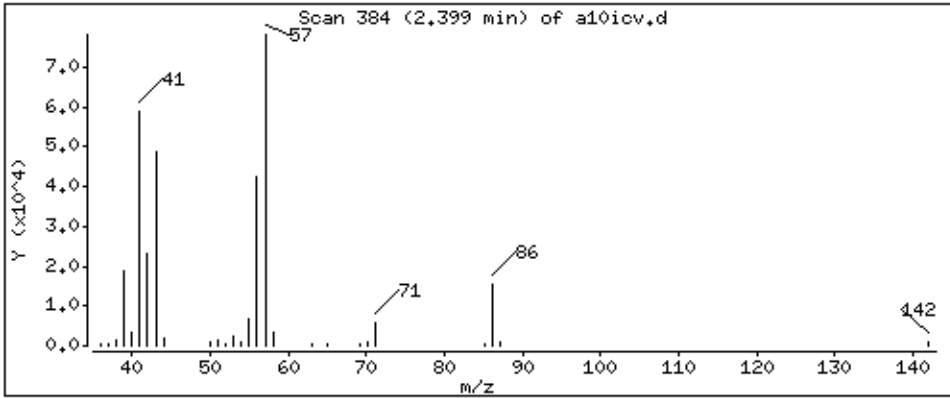
Operator: grm

Column phase: DB-624

Column diameter: 0,18

23 n-Hexane

Concentration: 45,1 ppb



Date : 19-JUN-2014 18:51

Client ID: 8260-ICV,71105:0

Instrument: 50mv1a.i

Sample Info: 8260-ICV,71105:0

Purge Volume: 5.0

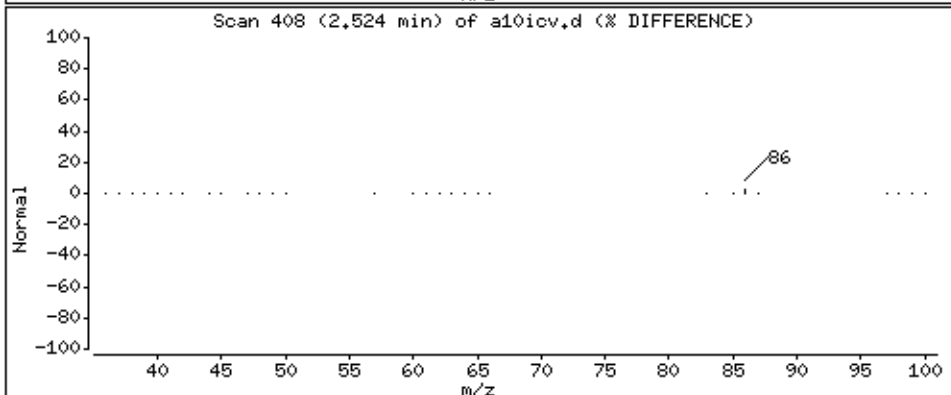
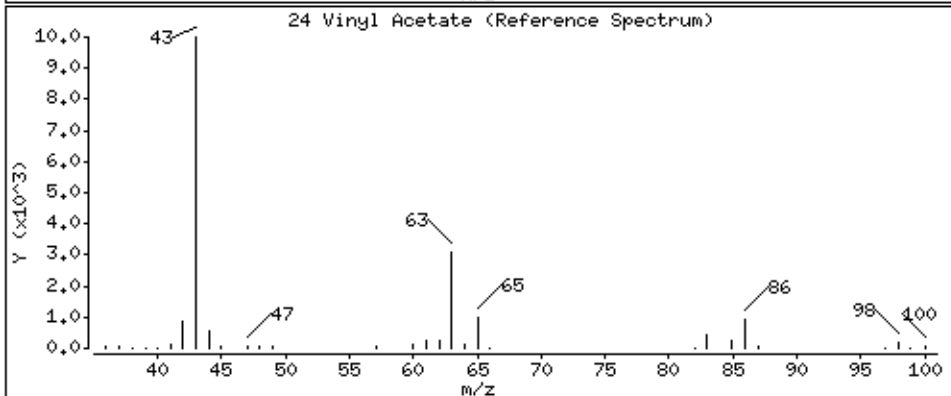
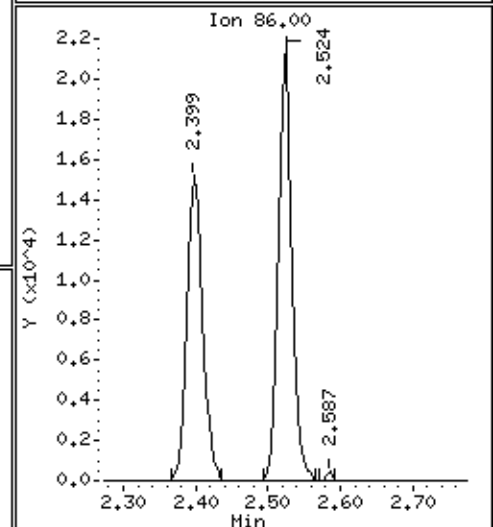
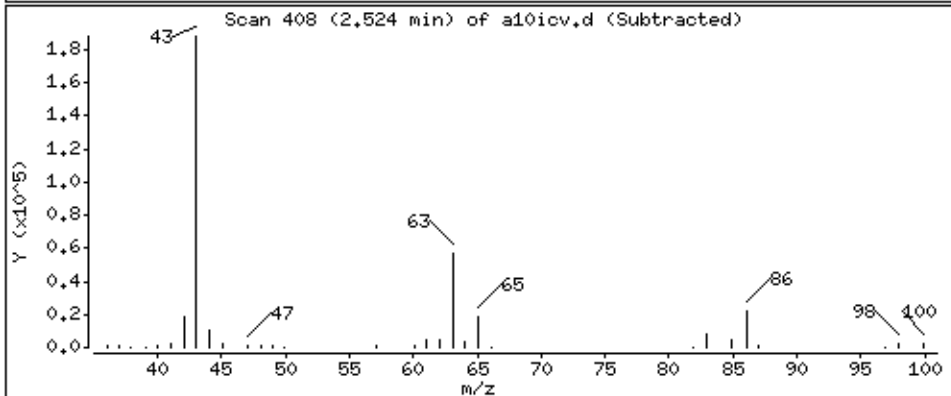
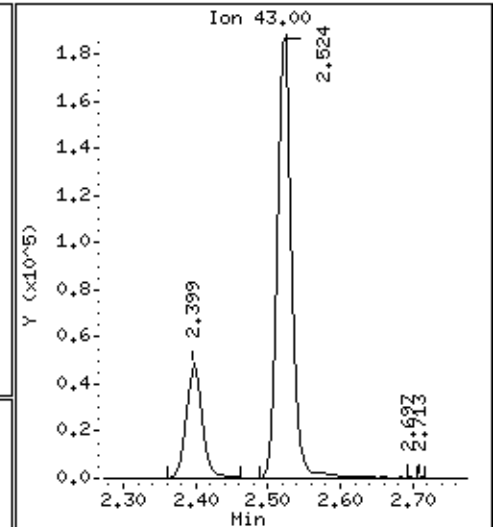
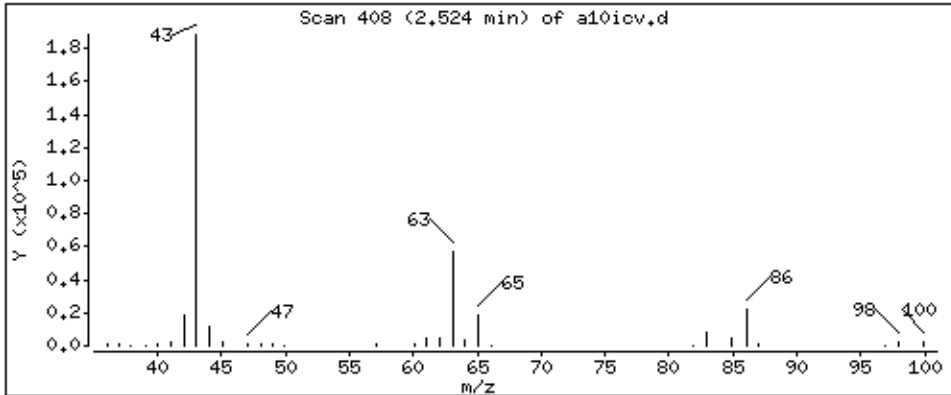
Operator: grm

Column phase: DB-624

Column diameter: 0,18

24 Vinyl Acetate

Concentration: 218 ppb



Date : 19-JUN-2014 18:51

Client ID: 8260-ICV,71105;0

Instrument: 50mv1a.i

Sample Info: 8260-ICV,71105;0

Purge Volume: 5.0

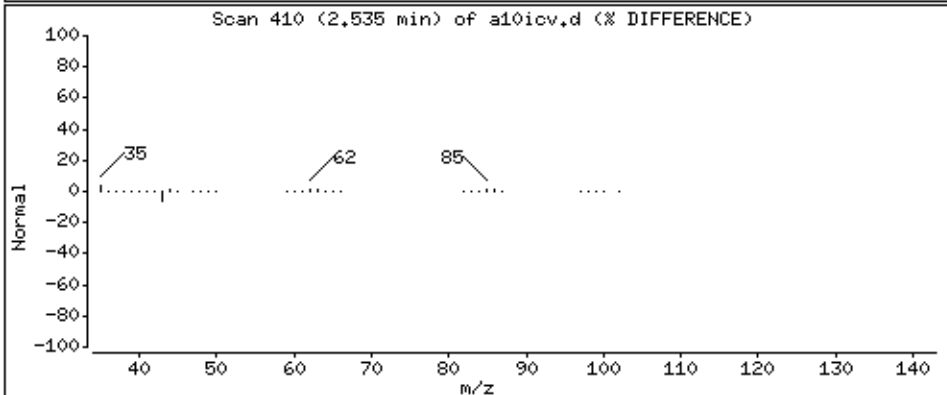
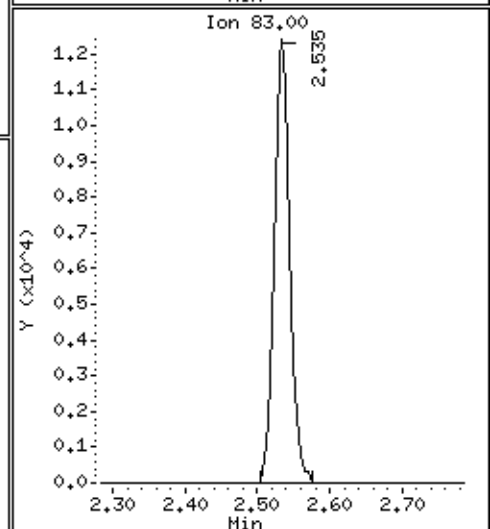
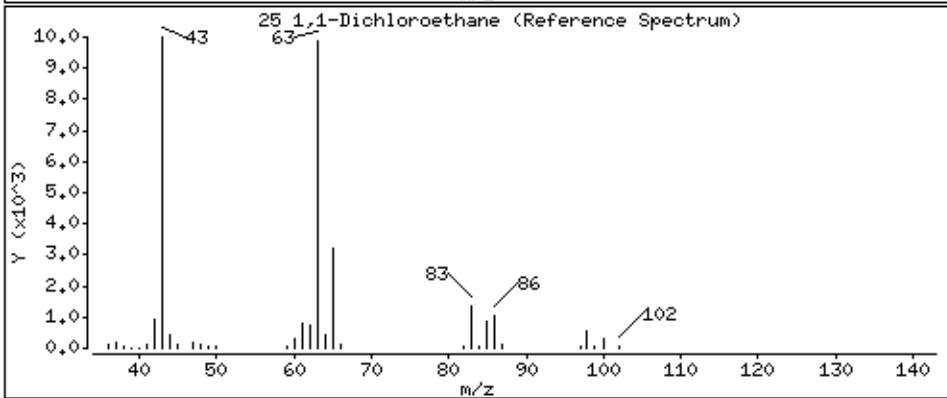
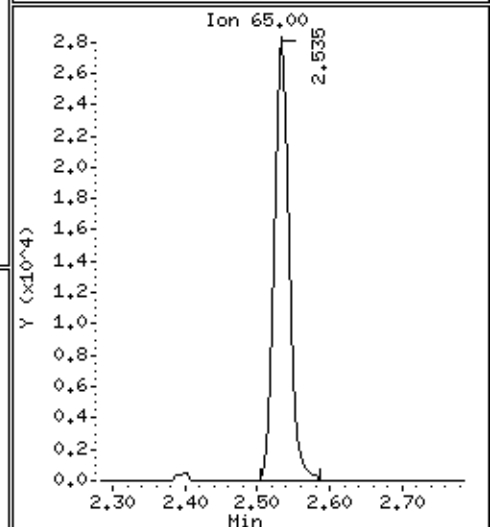
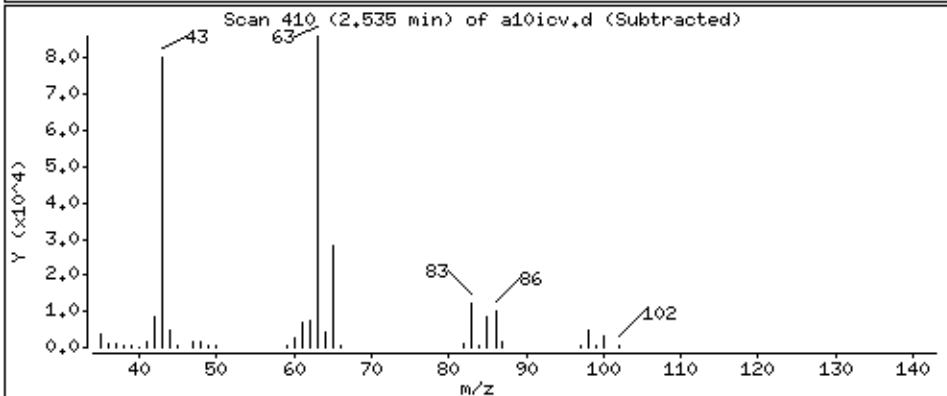
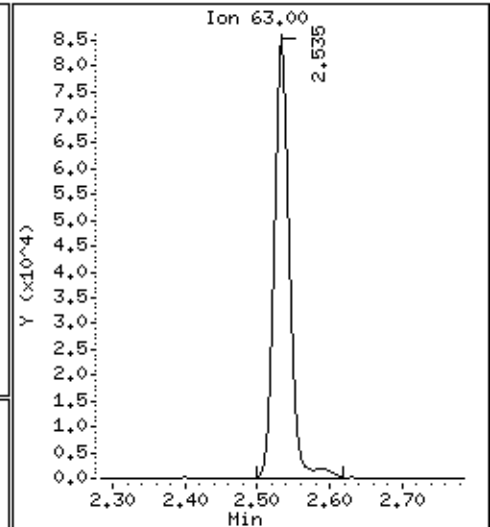
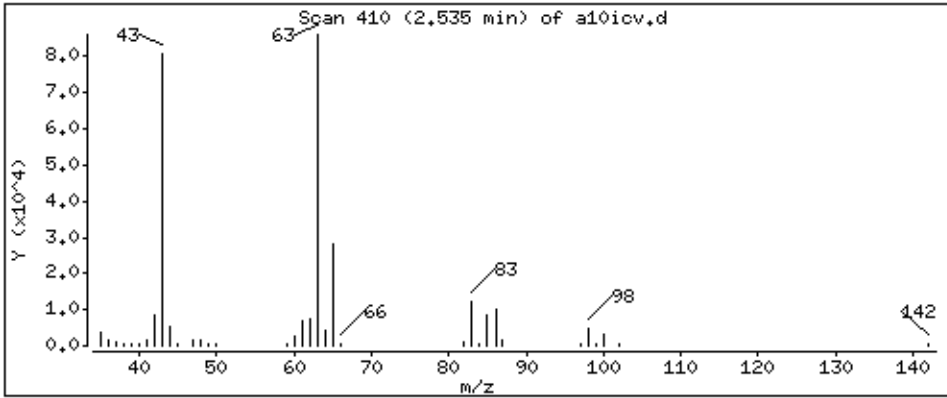
Operator: grm

Column phase: DB-624

Column diameter: 0,18

25 1,1-Dichloroethane

Concentration: 46,2 ppb



Date : 19-JUN-2014 18:51

Client ID: 8260-ICV,71105:0

Instrument: 50mv1a.i

Sample Info: 8260-ICV,71105:0

Purge Volume: 5.0

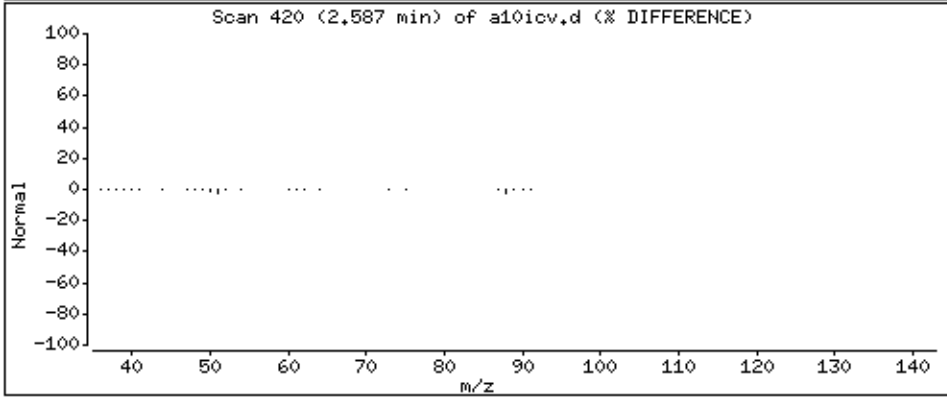
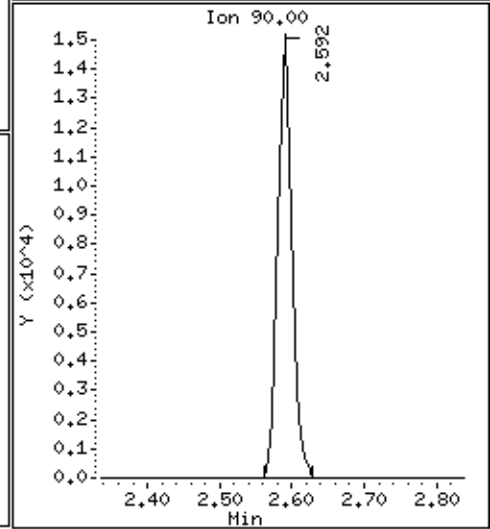
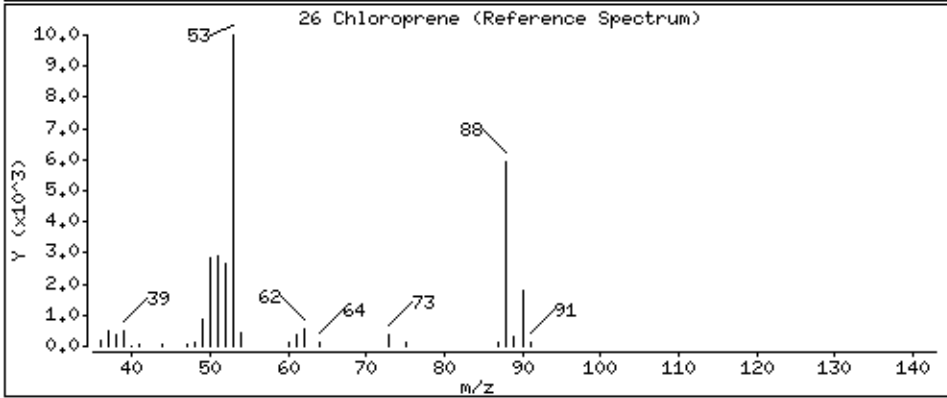
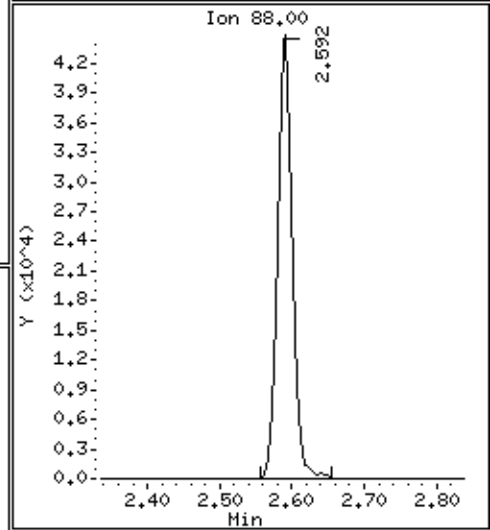
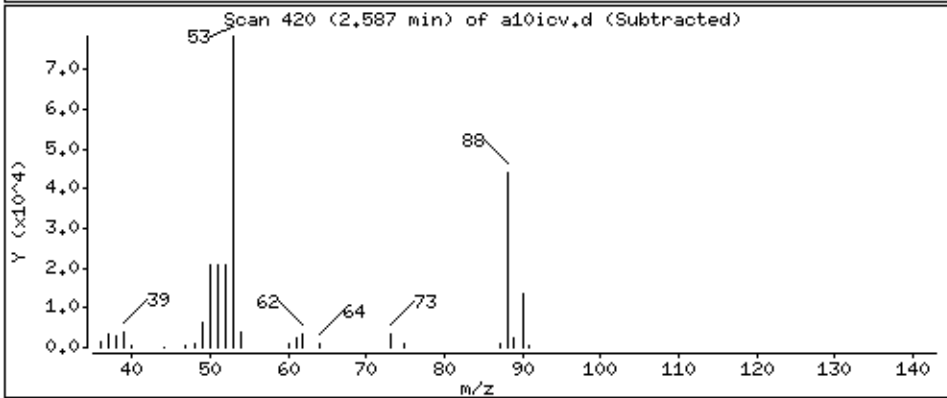
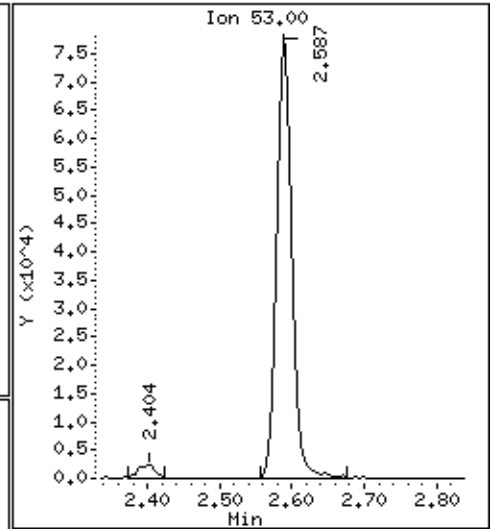
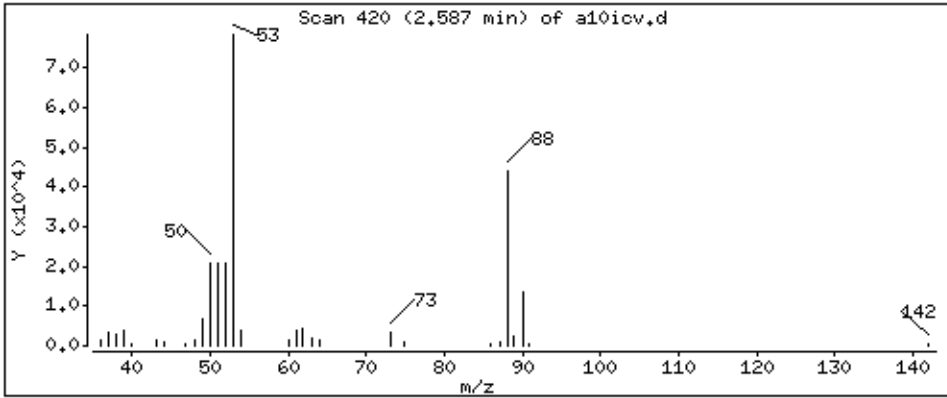
Operator: grm

Column phase: DB-624

Column diameter: 0,18

26 Chloroprene

Concentration: 47,5 ppb



Date : 19-JUN-2014 18:51

Client ID: 8260-ICV,71105;0

Instrument: 50mv1a.i

Sample Info: 8260-ICV,71105;0

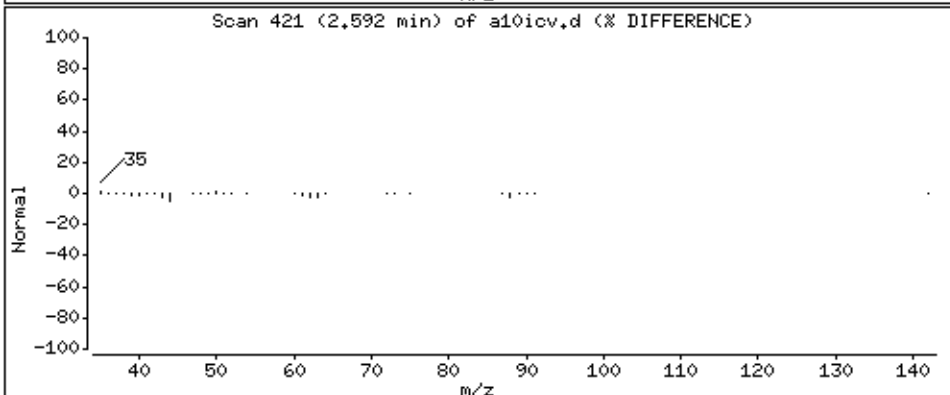
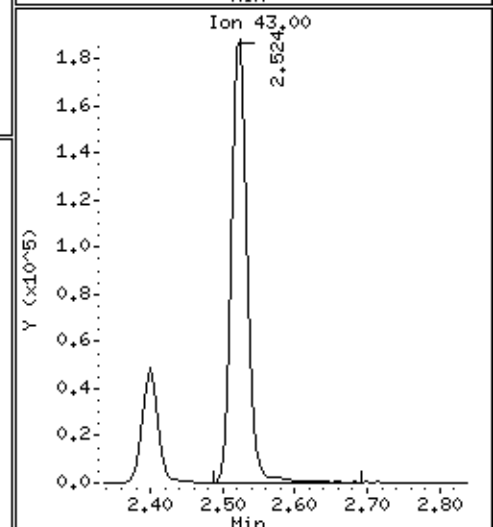
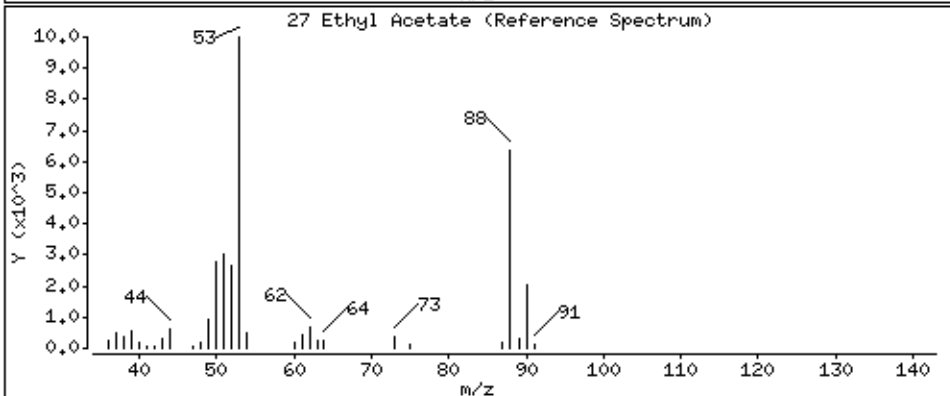
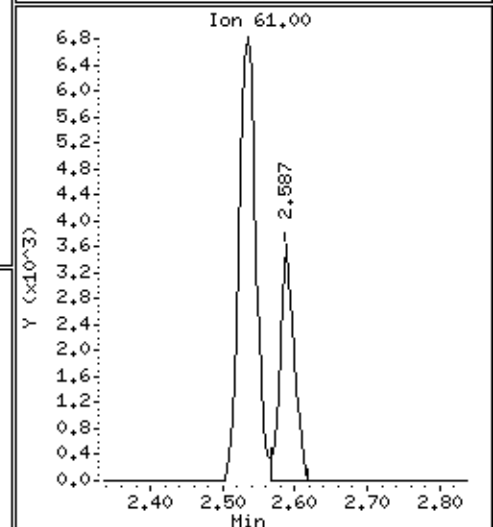
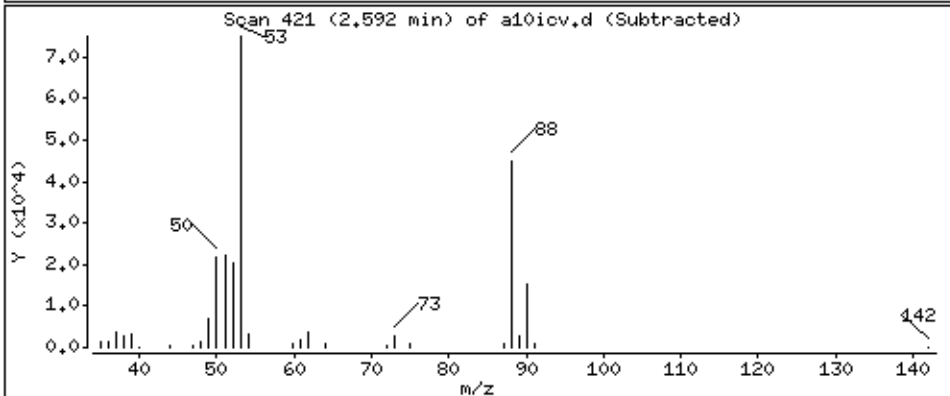
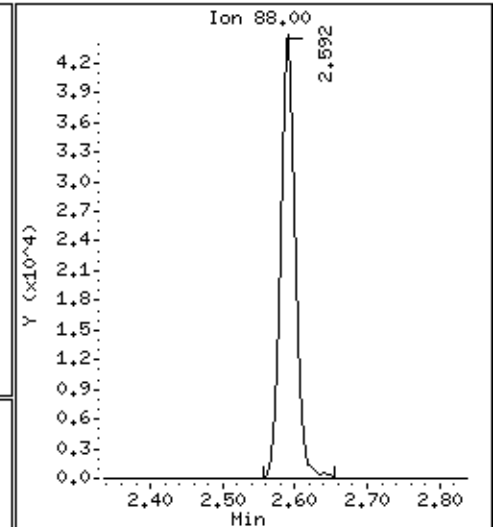
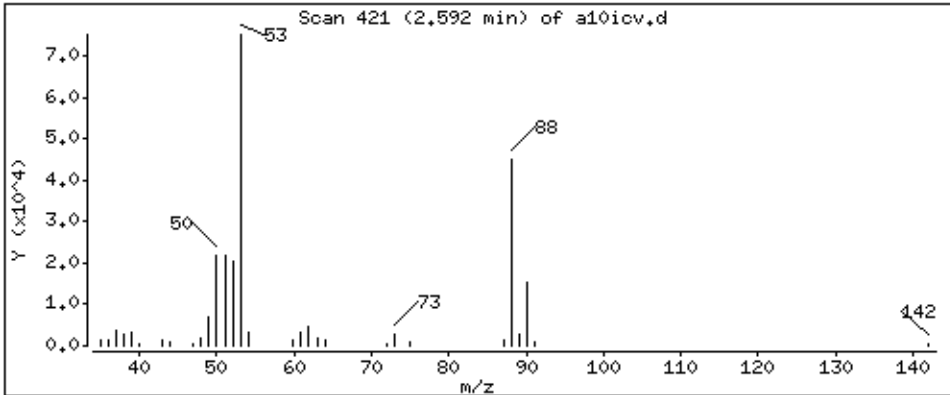
Purge Volume: 5.0

Operator: grm

Column phase: DB-624

Column diameter: 0,18

27 Ethyl Acetate



Date : 19-JUN-2014 18:51

Client ID: 8260-ICV,71105:0

Instrument: 50mv1a.i

Sample Info: 8260-ICV,71105:0

Purge Volume: 5.0

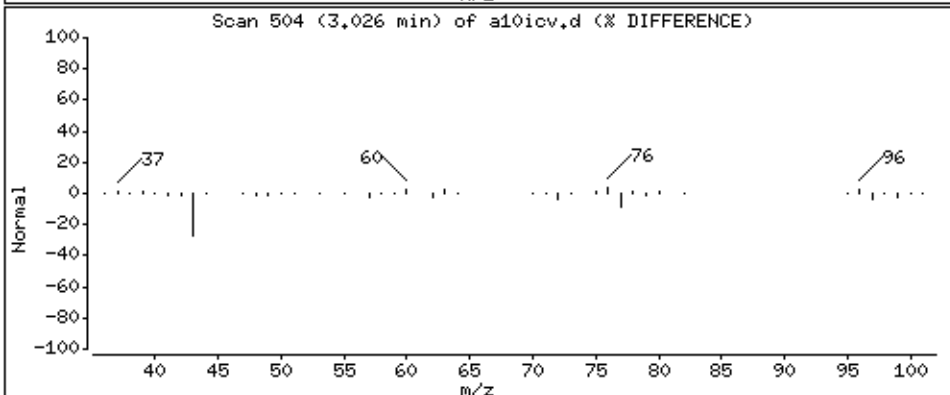
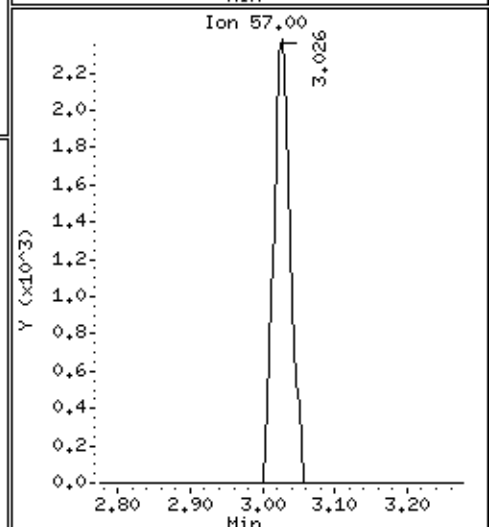
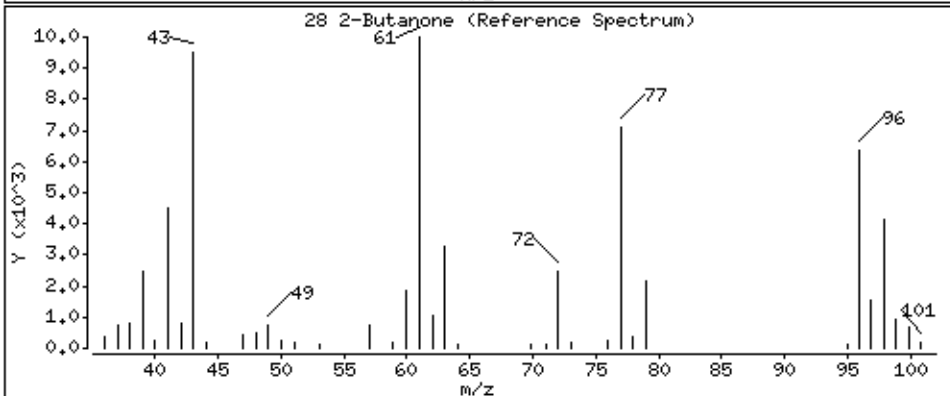
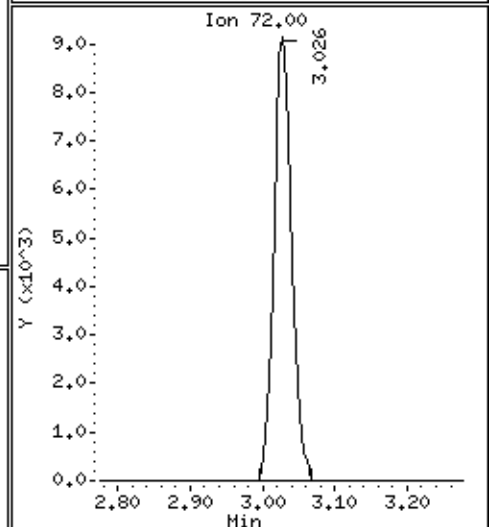
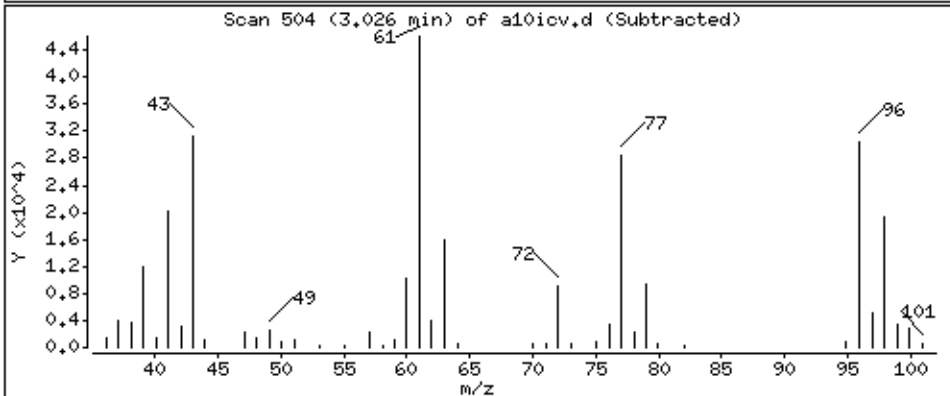
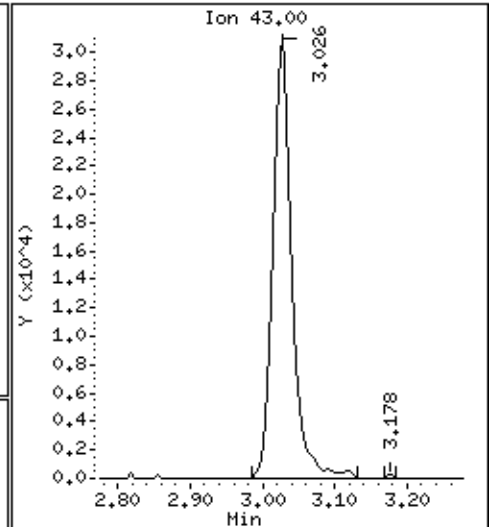
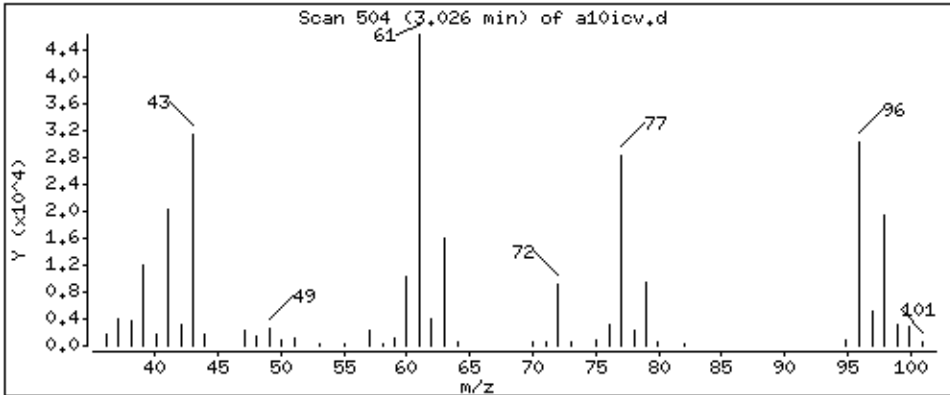
Operator: grm

Column phase: DB-624

Column diameter: 0,18

28 2-Butanone

Concentration: 233 ppb



Date : 19-JUN-2014 18:51

Client ID: 8260-ICV,71105:0

Instrument: 50mv1a.i

Sample Info: 8260-ICV,71105:0

Purge Volume: 5.0

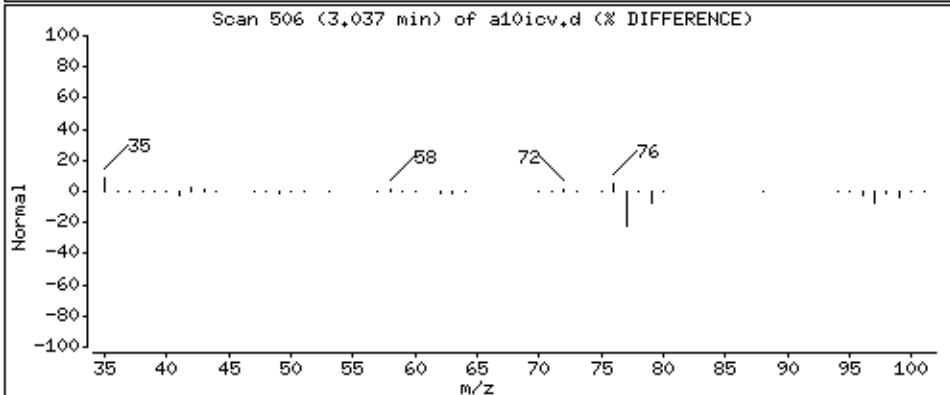
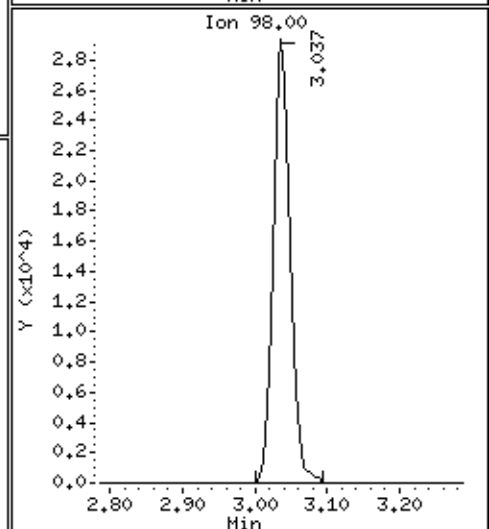
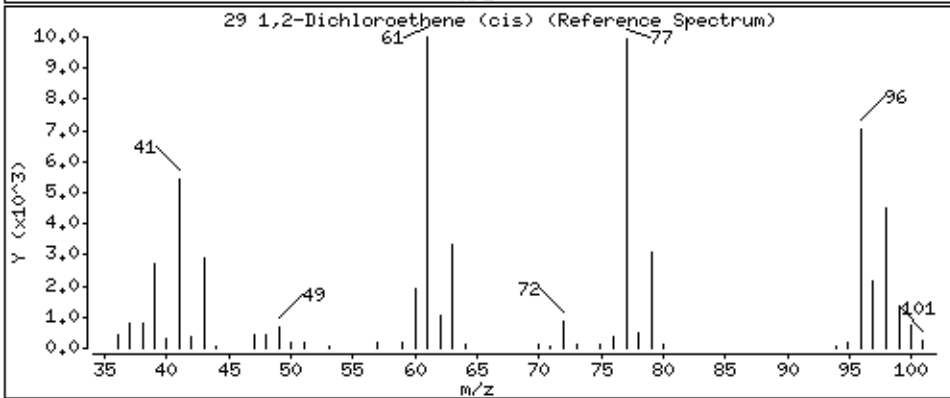
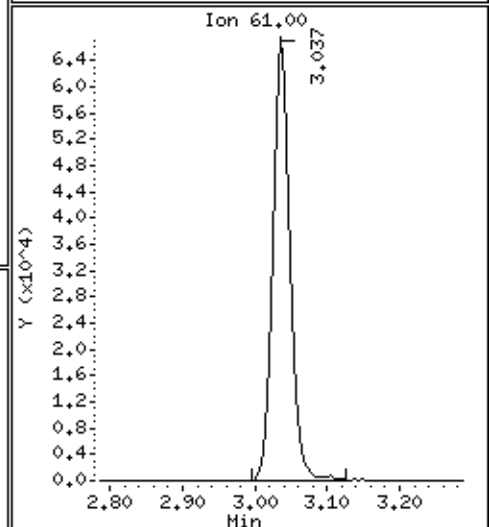
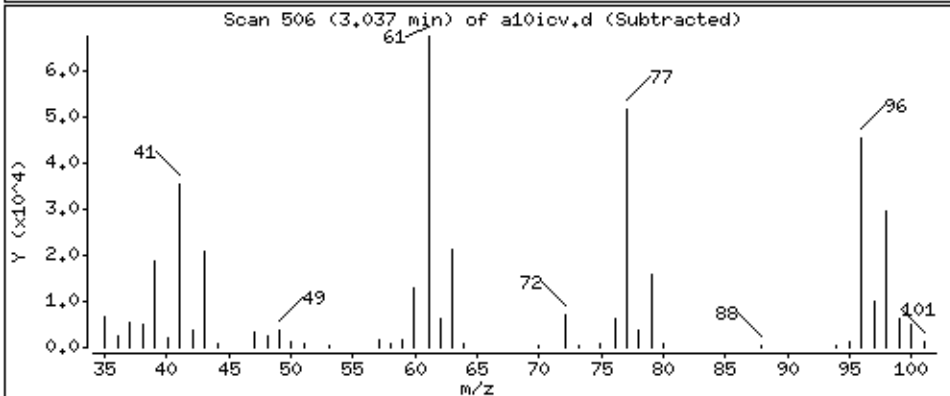
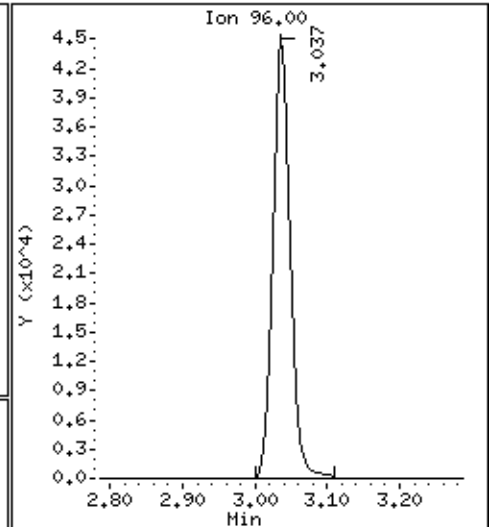
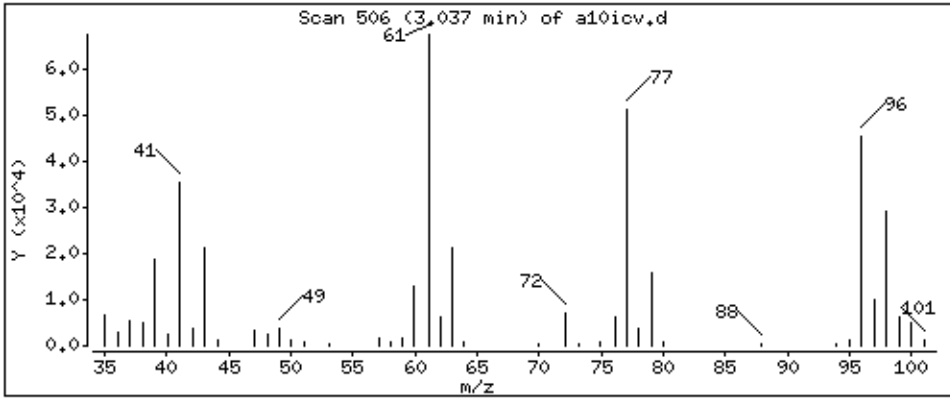
Operator: grm

Column phase: DB-624

Column diameter: 0,18

29 1,2-Dichloroethene (cis)

Concentration: 47.8 ppb



Date : 19-JUN-2014 18:51

Client ID: 8260-ICV,71105:0

Instrument: 50mv1a.i

Sample Info: 8260-ICV,71105:0

Purge Volume: 5.0

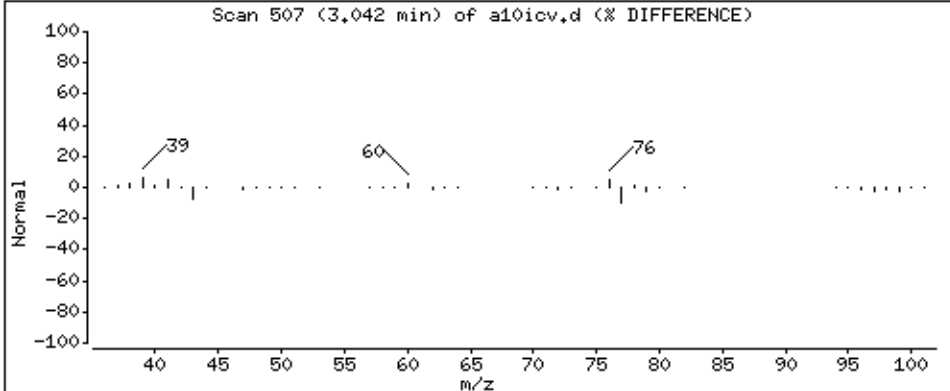
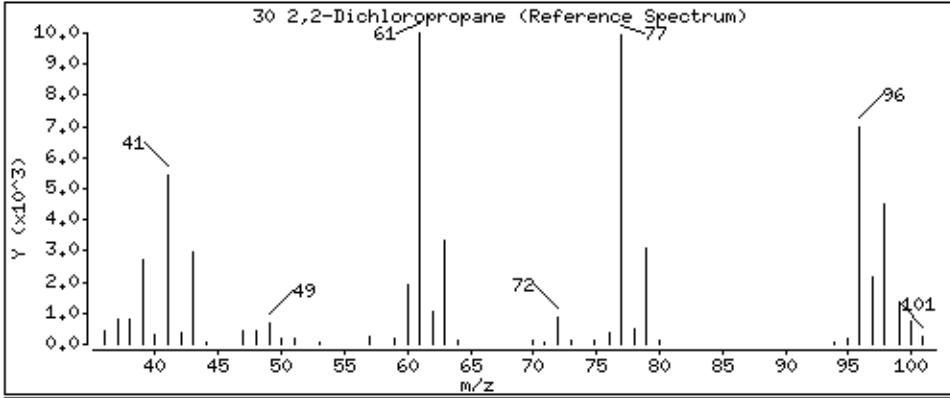
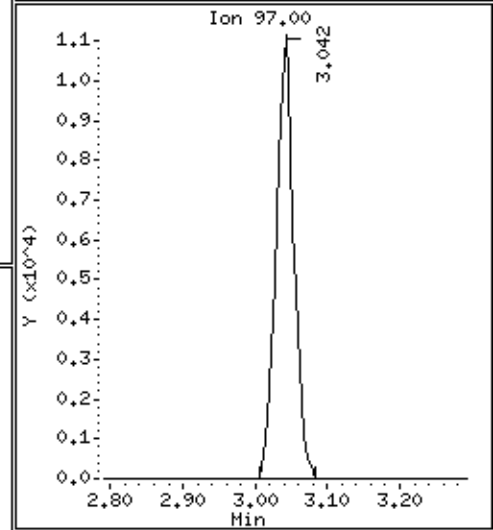
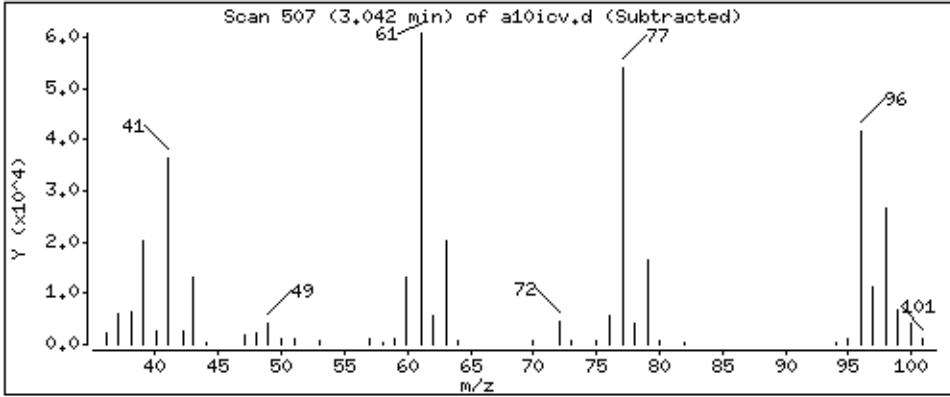
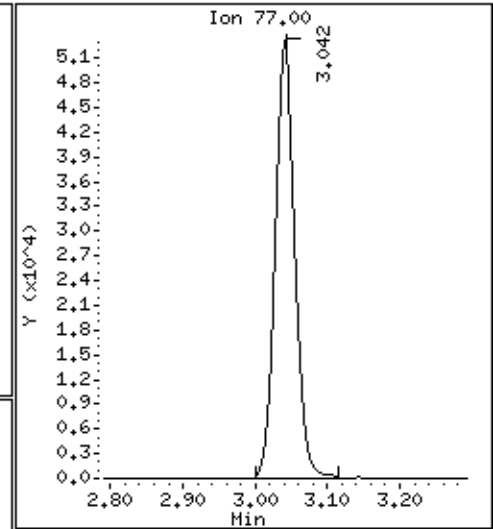
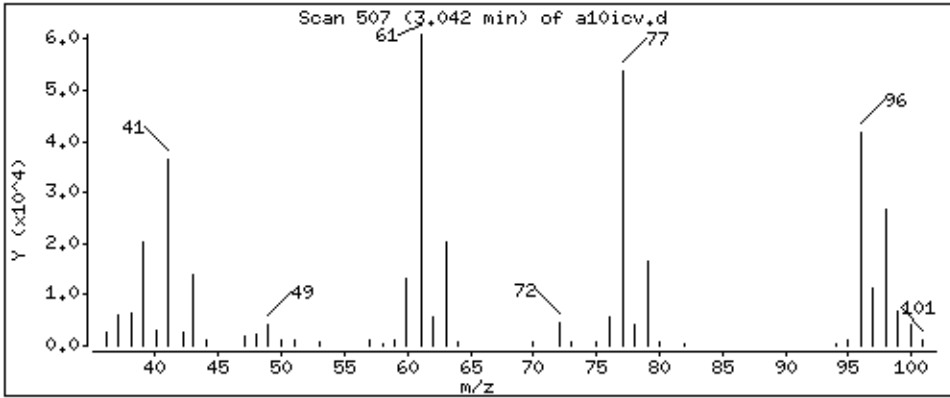
Operator: grm

Column phase: DB-624

Column diameter: 0,18

30 2,2-Dichloropropane

Concentration: 50,4 ppb



Date : 19-JUN-2014 18:51

Client ID: 8260-ICV,71105;0

Instrument: 50mv1a.i

Sample Info: 8260-ICV,71105;0

Purge Volume: 5.0

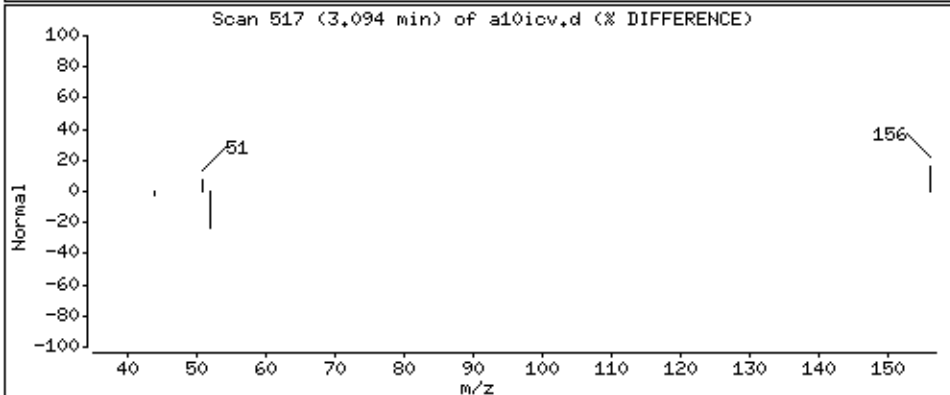
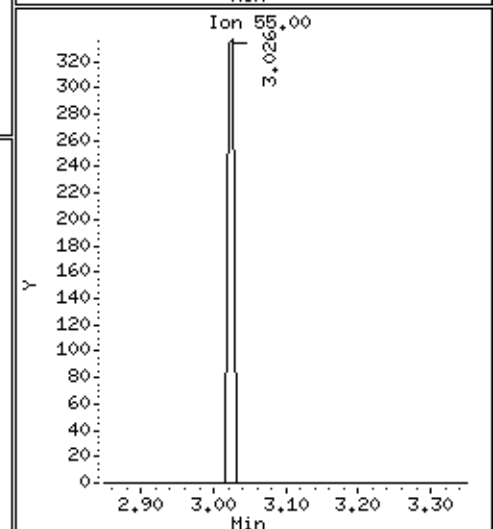
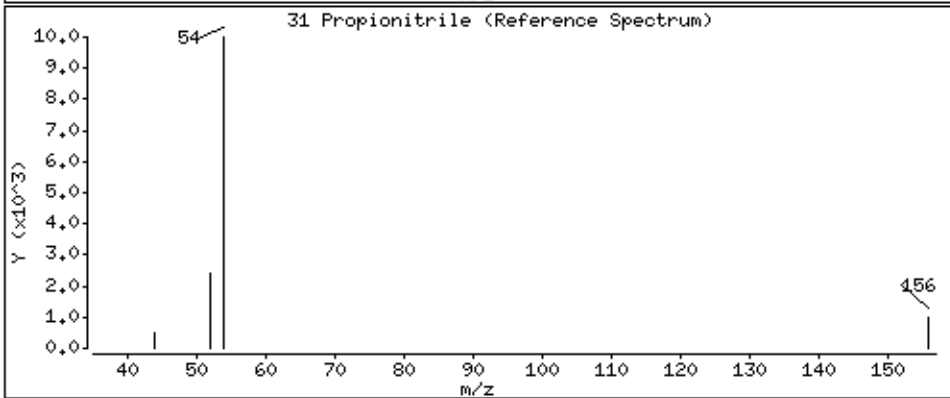
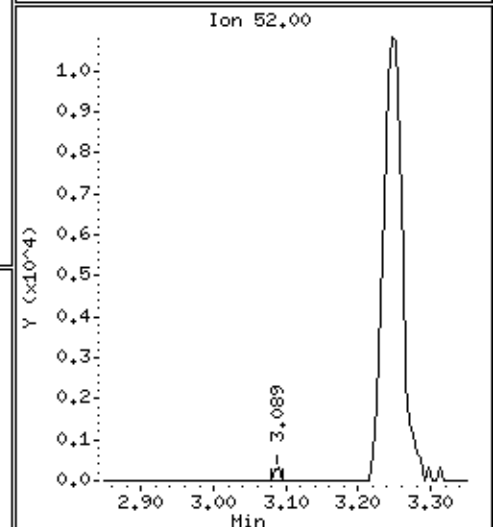
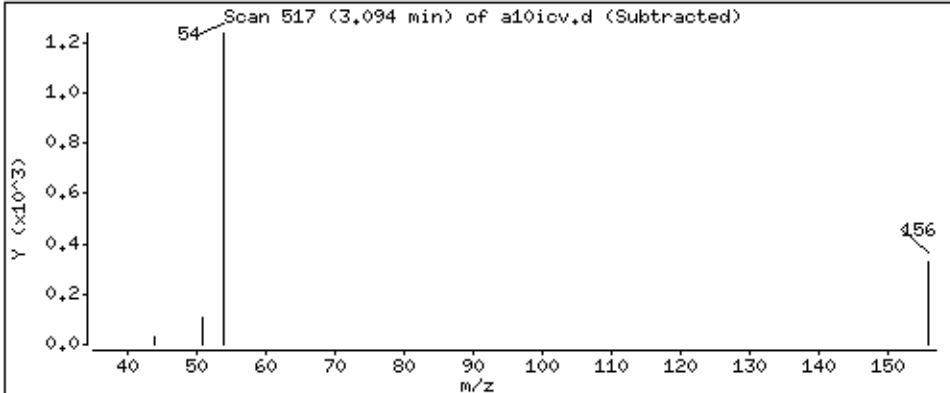
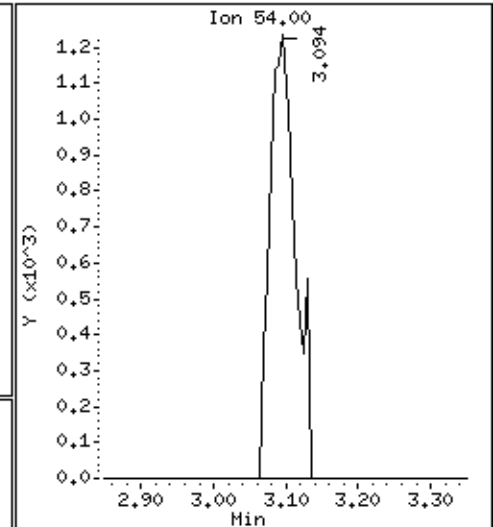
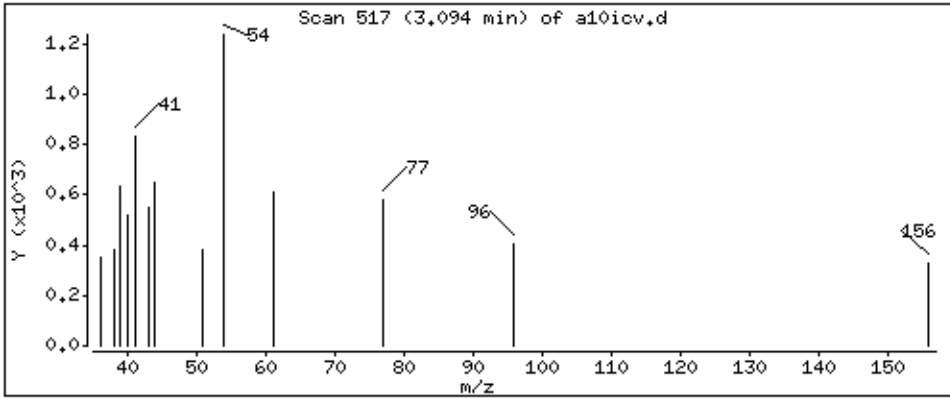
Operator: grm

Column phase: DB-624

Column diameter: 0,18

31 Propionitrile

Concentration: 46,2 ppb



Date : 19-JUN-2014 18:51

Client ID: 8260-ICV,71105;0

Instrument: 50mv1a.i

Sample Info: 8260-ICV,71105;0

Purge Volume: 5.0

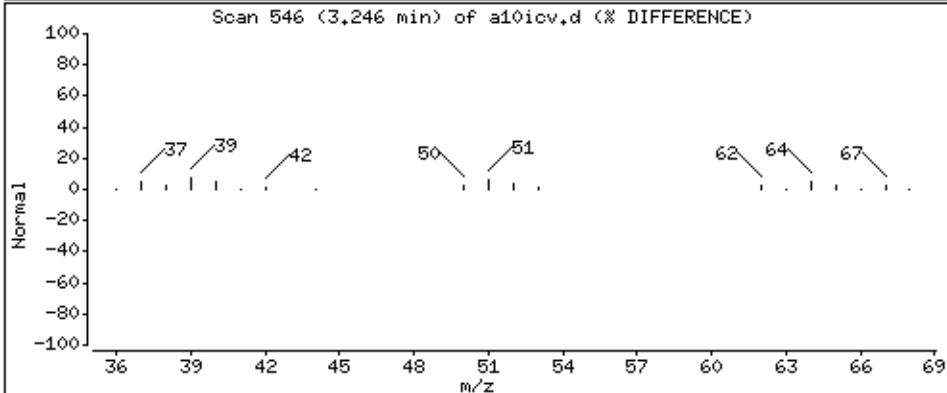
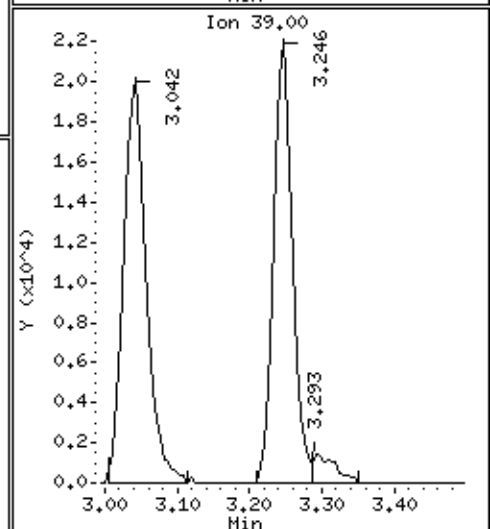
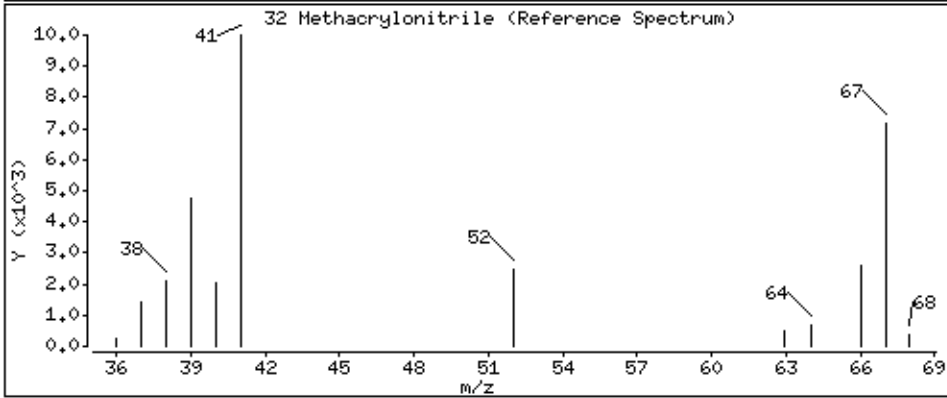
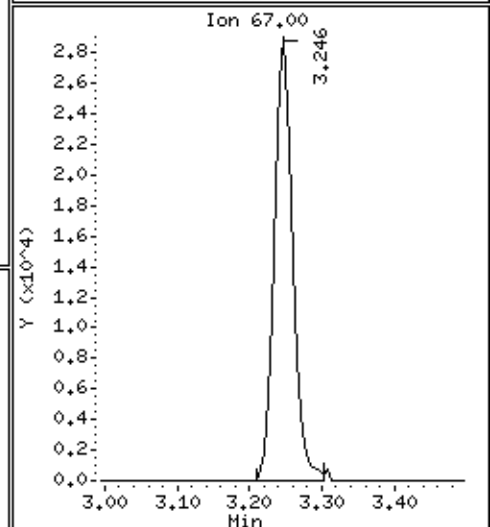
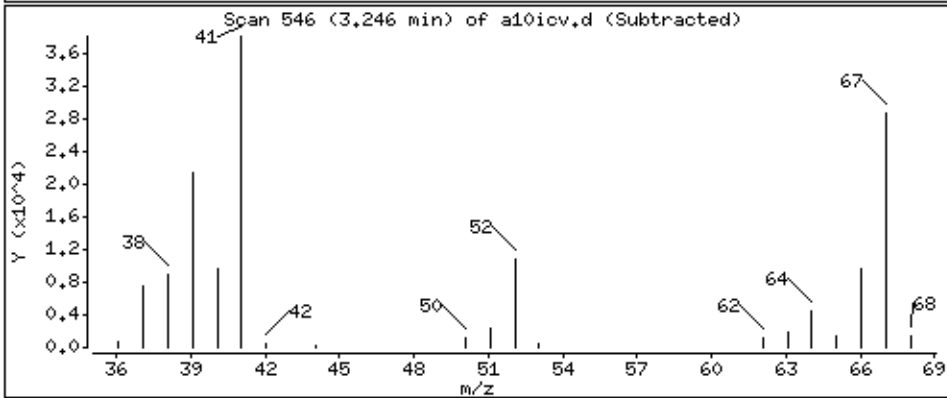
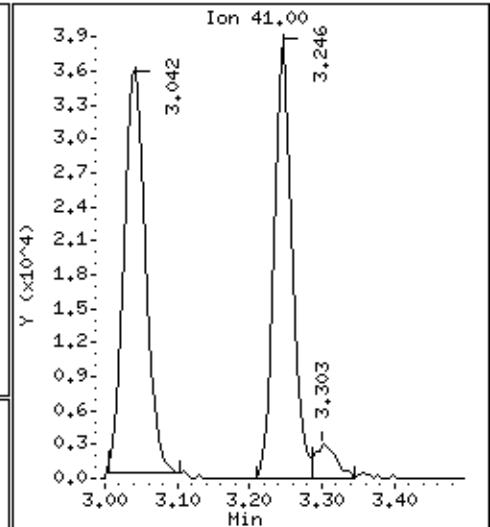
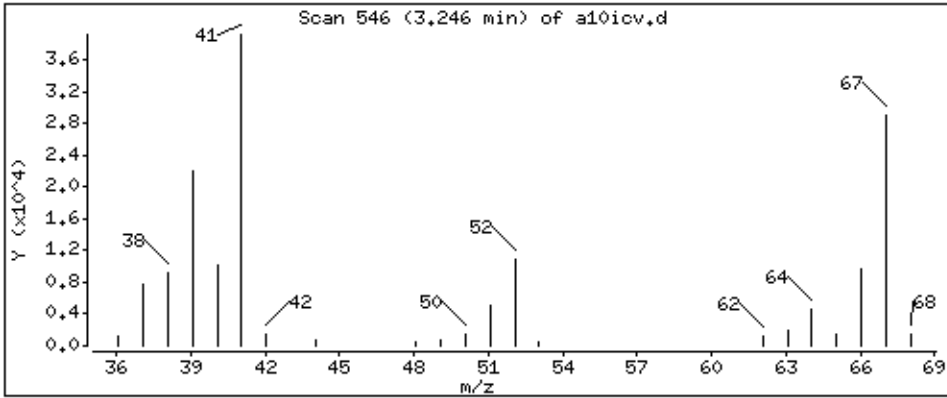
Operator: grm

Column phase: DB-624

Column diameter: 0,18

32 Methacrylonitrile

Concentration: 988 ppb



Date : 19-JUN-2014 18:51

Client ID: 8260-ICV,71105;0

Instrument: 50mv1a.i

Sample Info: 8260-ICV,71105;0

Purge Volume: 5.0

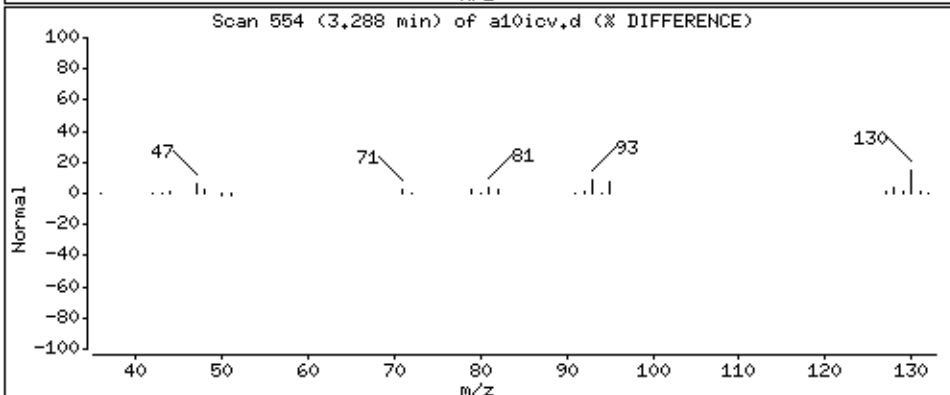
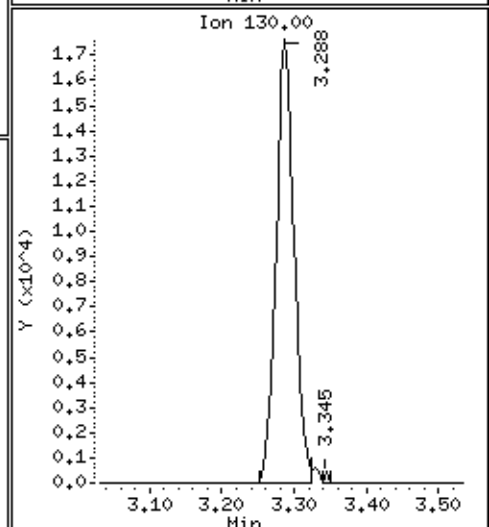
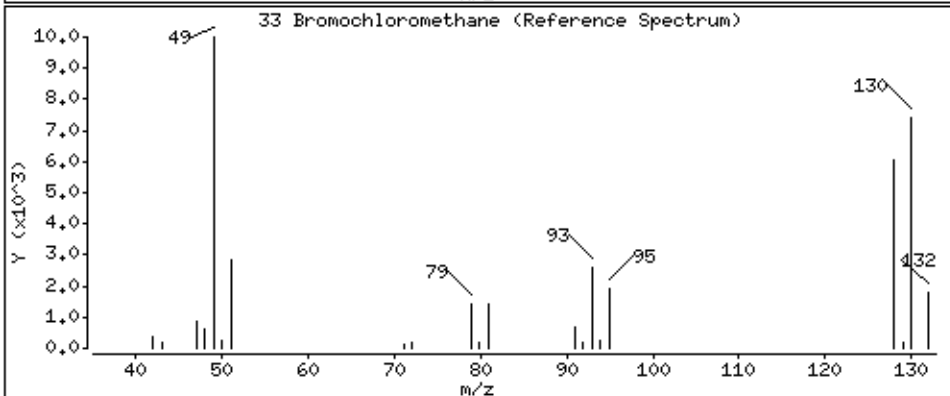
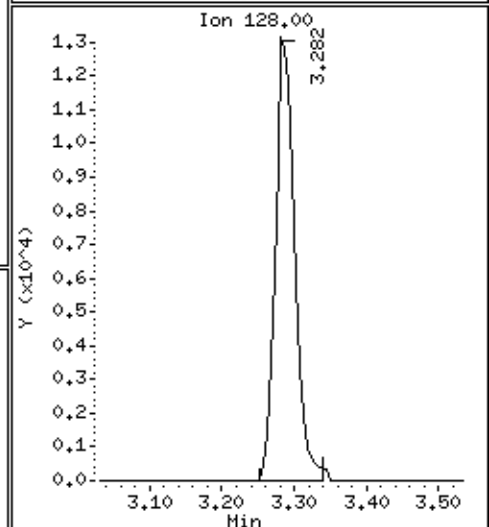
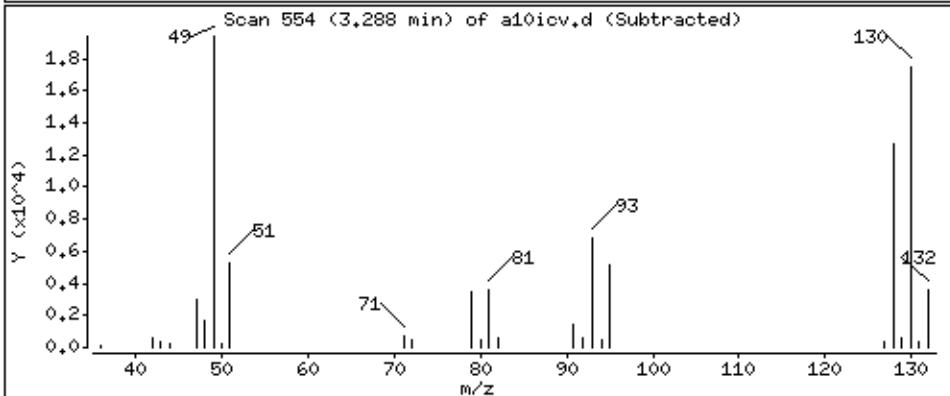
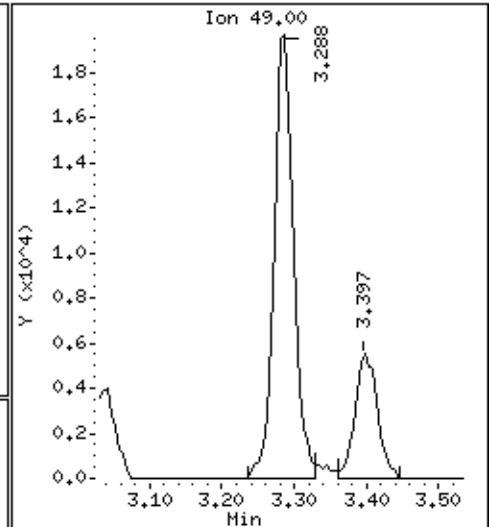
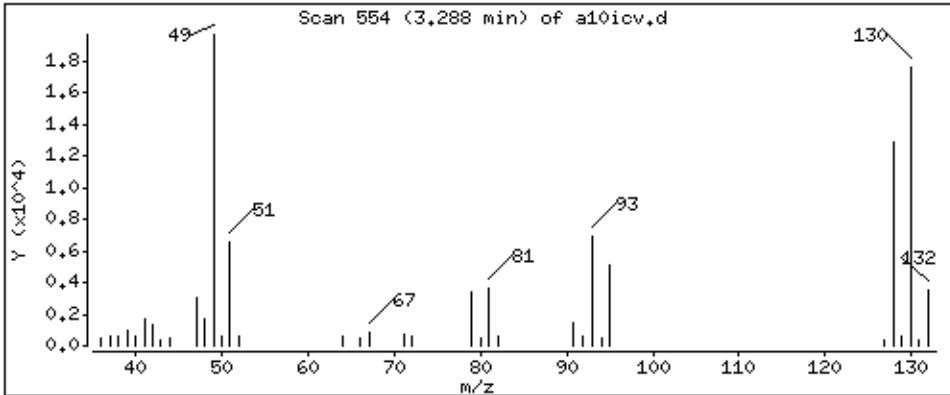
Operator: grm

Column phase: DB-624

Column diameter: 0,18

33 Bromochloromethane

Concentration: 48,5 ppb



Date : 19-JUN-2014 18:51

Client ID: 8260-ICV,71105:0

Instrument: 50mv1a.i

Sample Info: 8260-ICV,71105:0

Purge Volume: 5.0

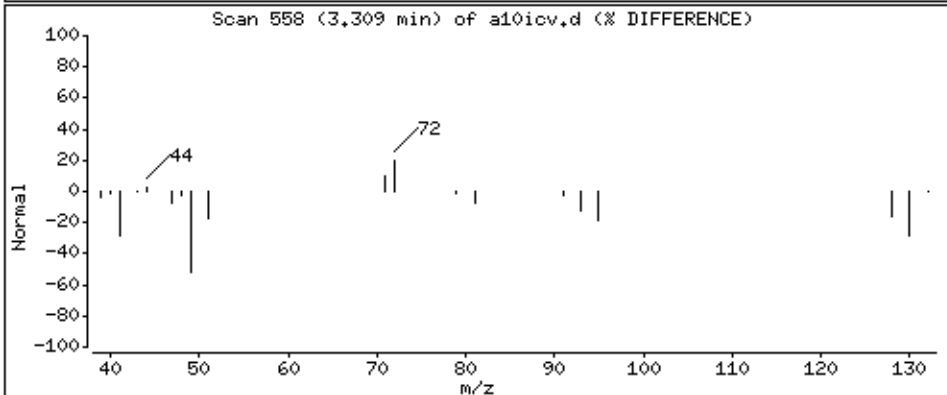
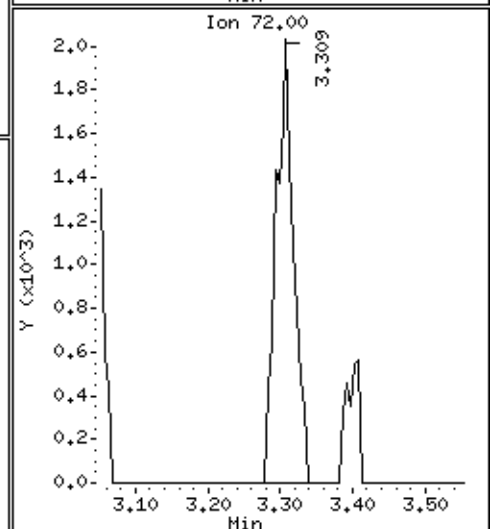
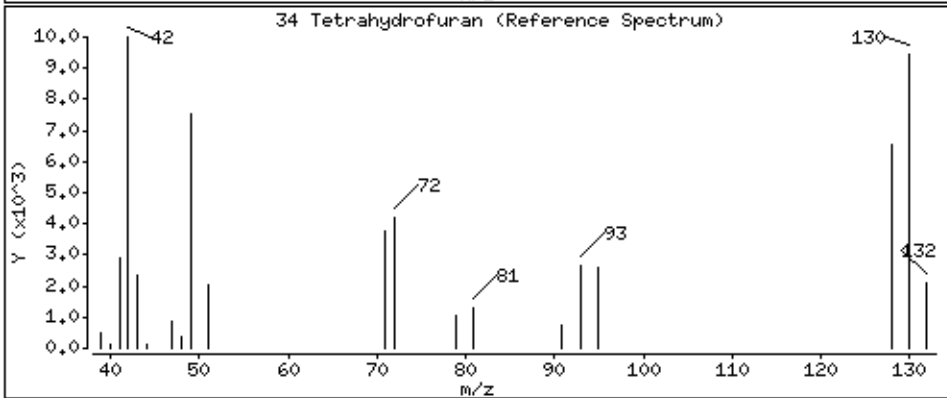
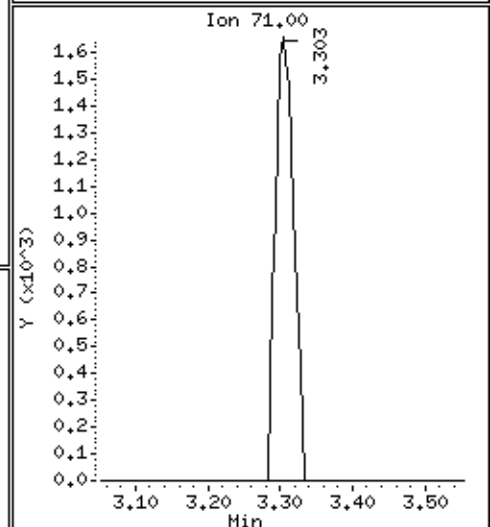
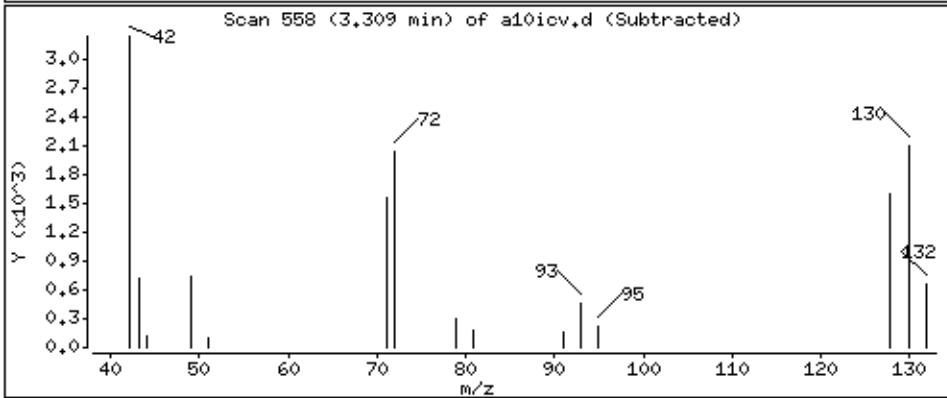
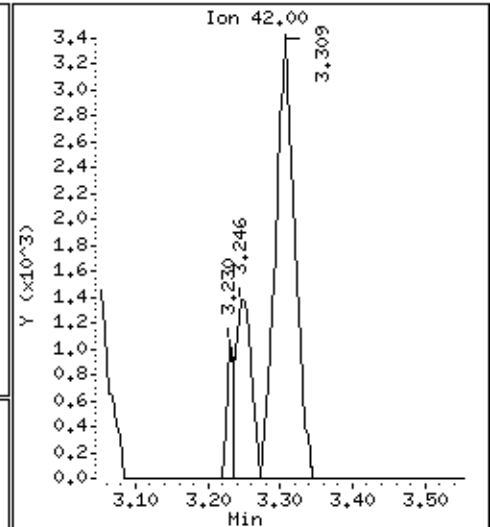
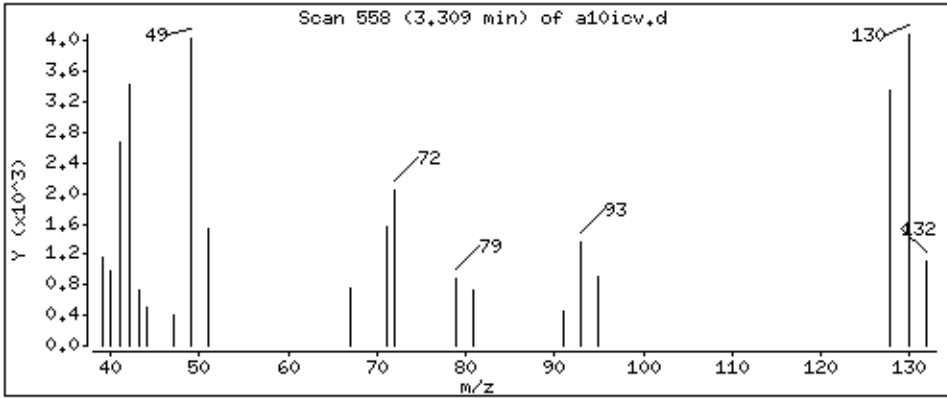
Operator: grm

Column phase: DB-624

Column diameter: 0,18

34 Tetrahydrofuran

Concentration: 54,1 ppb



Date : 19-JUN-2014 18:51

Client ID: 8260-ICV,71105;0

Instrument: 50mv1a.i

Sample Info: 8260-ICV,71105;0

Purge Volume: 5.0

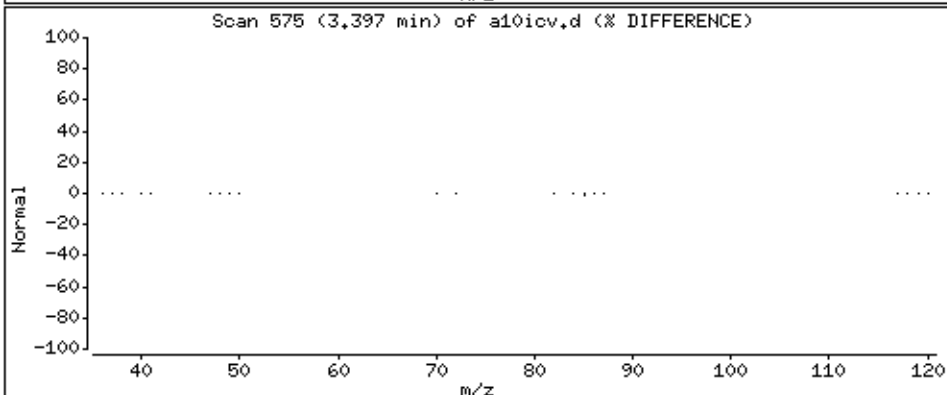
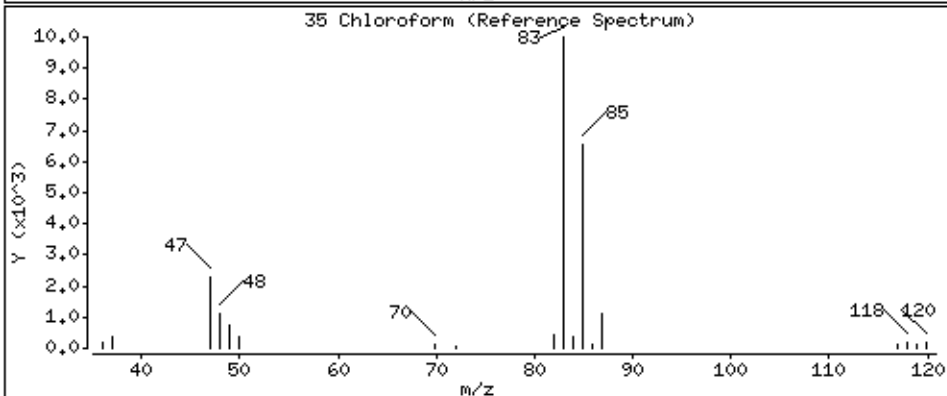
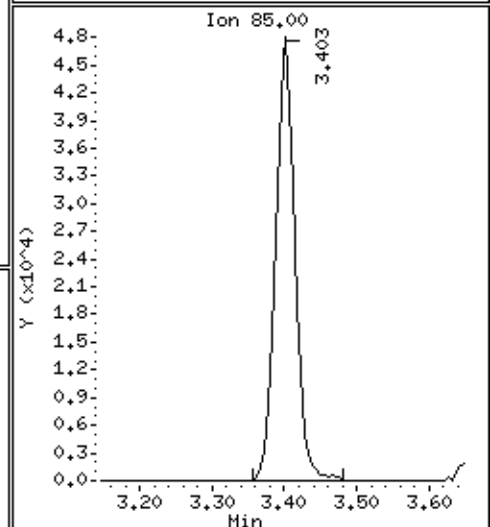
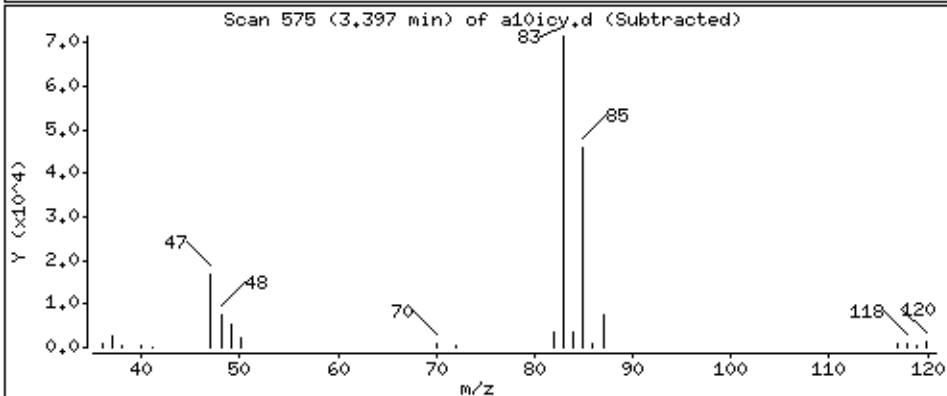
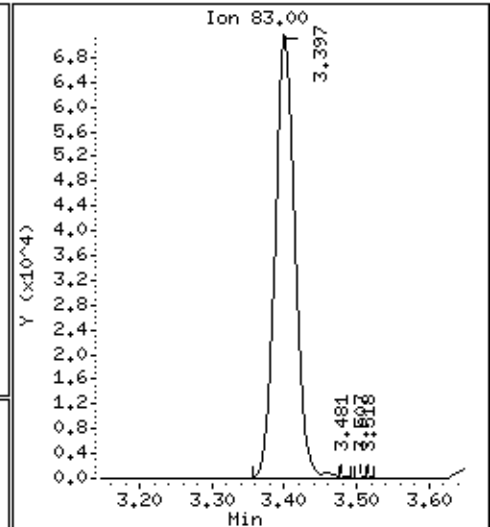
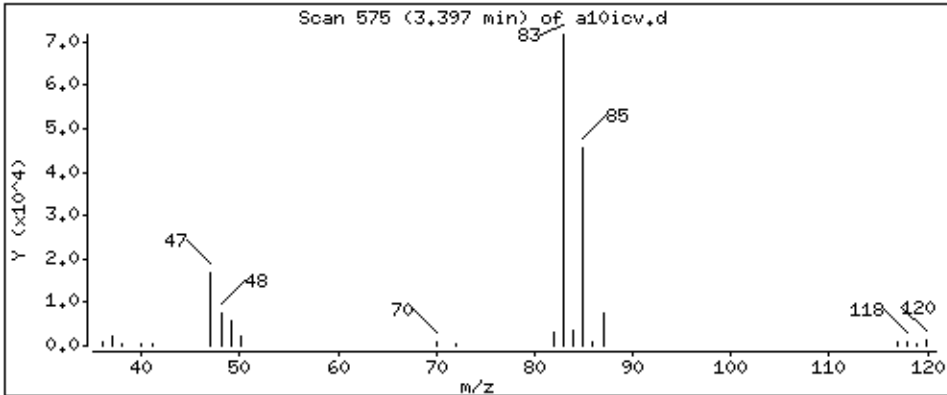
Operator: grm

Column phase: DB-624

Column diameter: 0,18

35 Chloroform

Concentration: 46,5 ppb



Date : 19-JUN-2014 18:51

Client ID: 8260-ICV,71105;0

Instrument: 50mv1a.i

Sample Info: 8260-ICV,71105;0

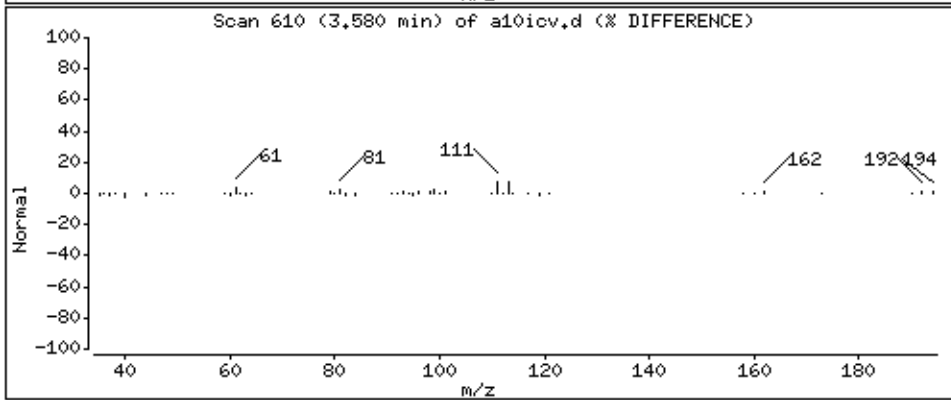
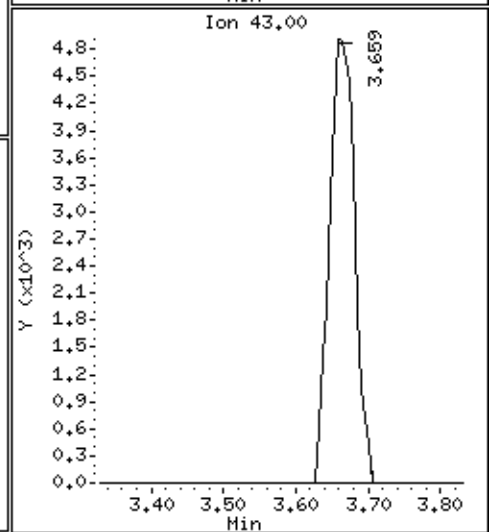
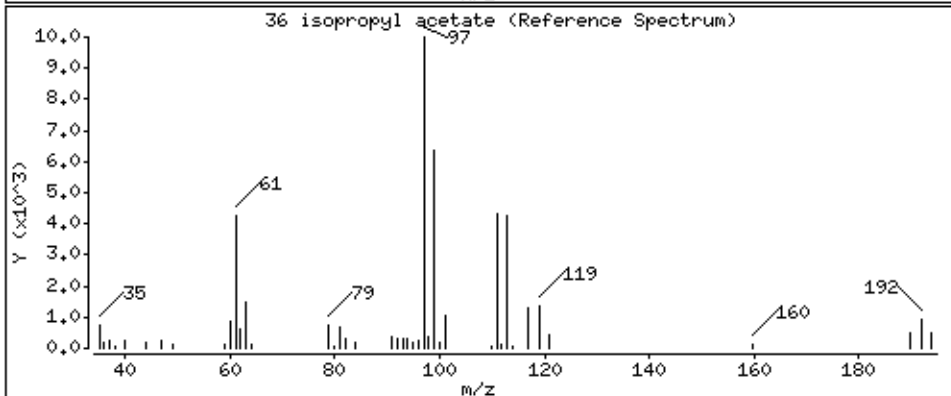
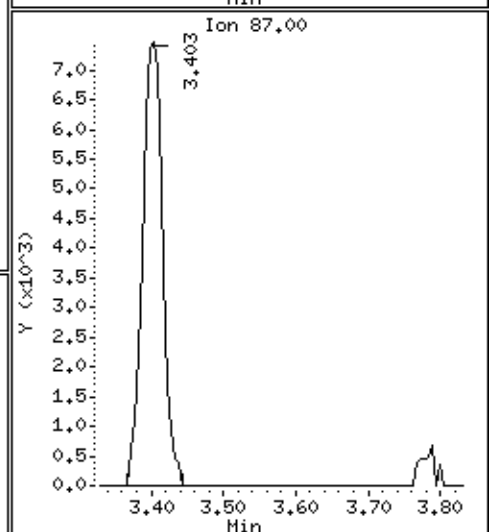
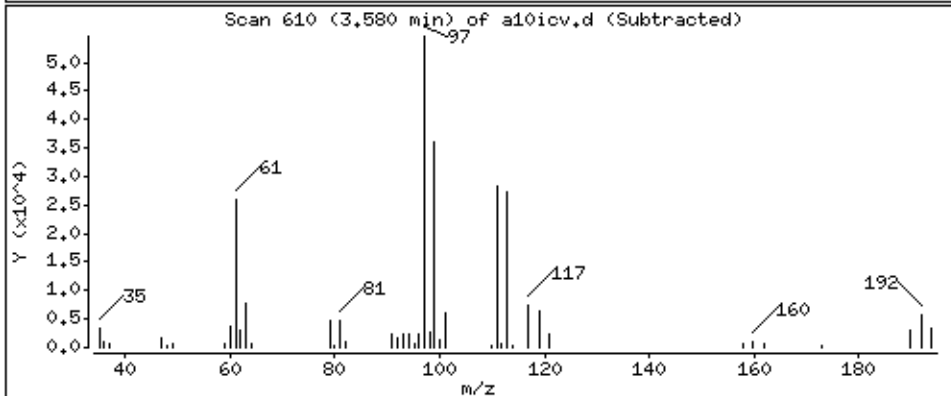
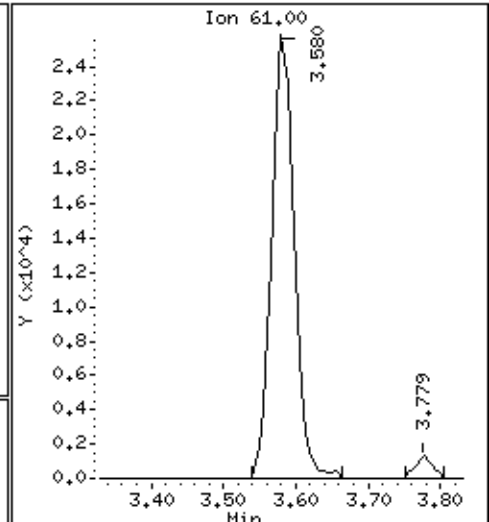
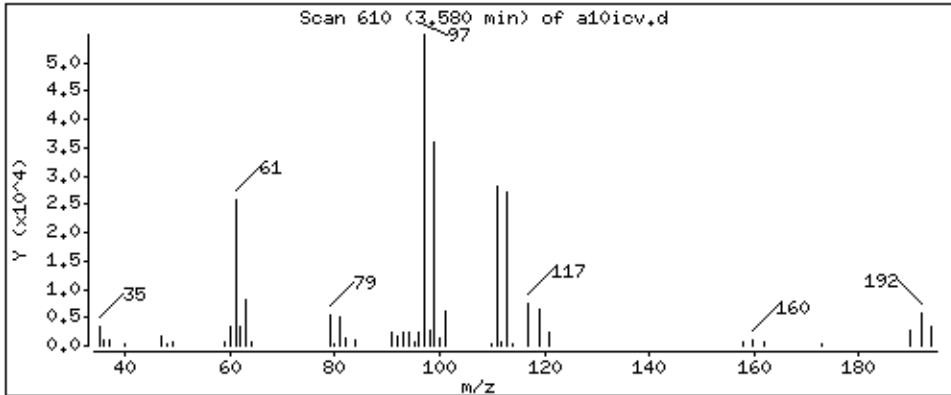
Purge Volume: 5.0

Operator: grm

Column phase: DB-624

Column diameter: 0,18

36 isopropyl acetate



Date : 19-JUN-2014 18:51

Client ID: 8260-ICV,71105;0

Instrument: 50mv1a.i

Sample Info: 8260-ICV,71105;0

Purge Volume: 5.0

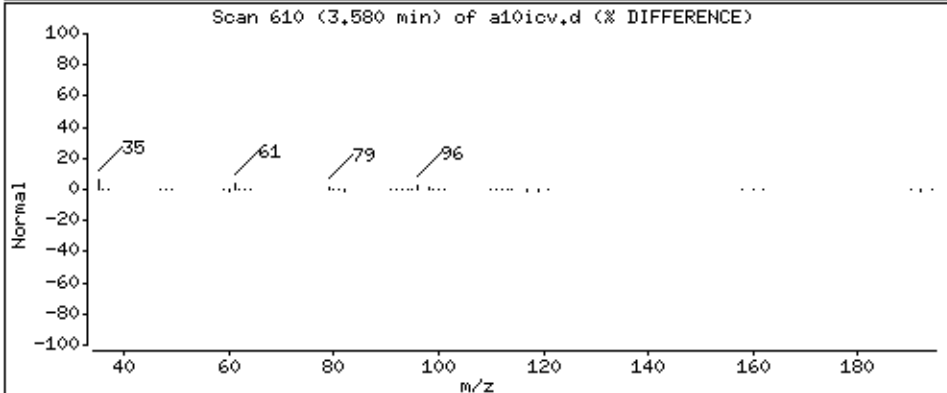
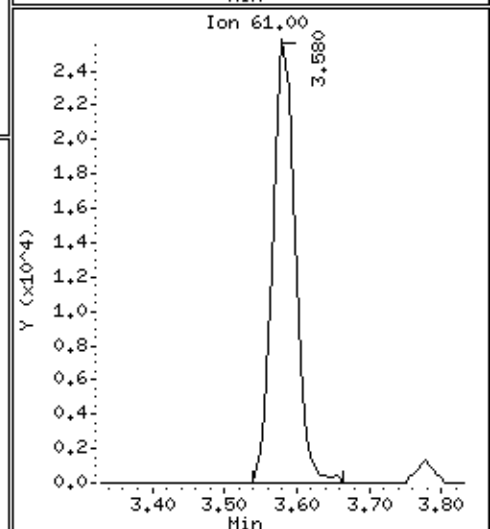
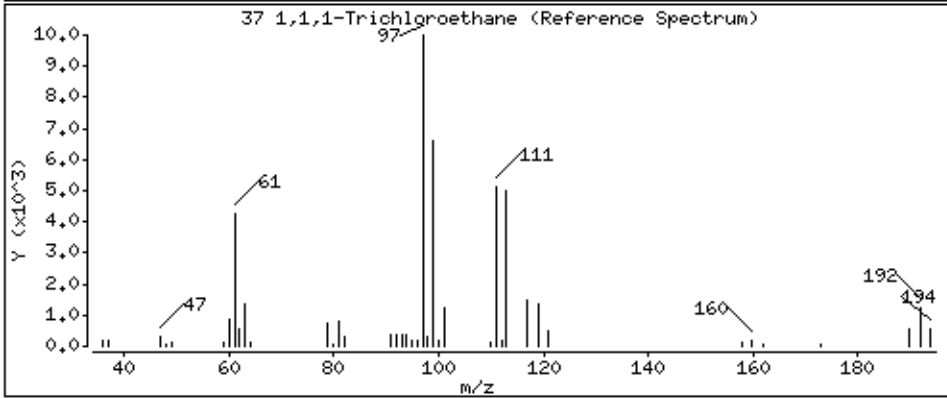
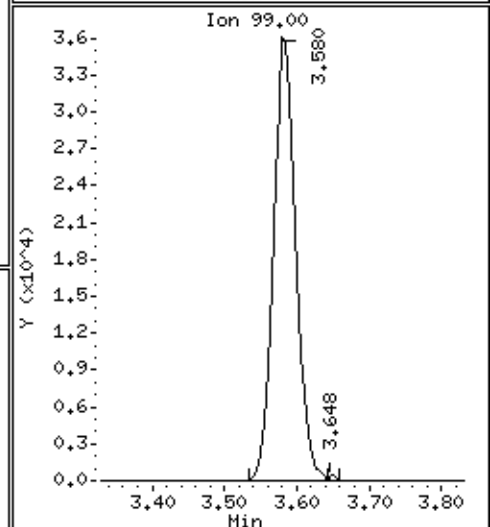
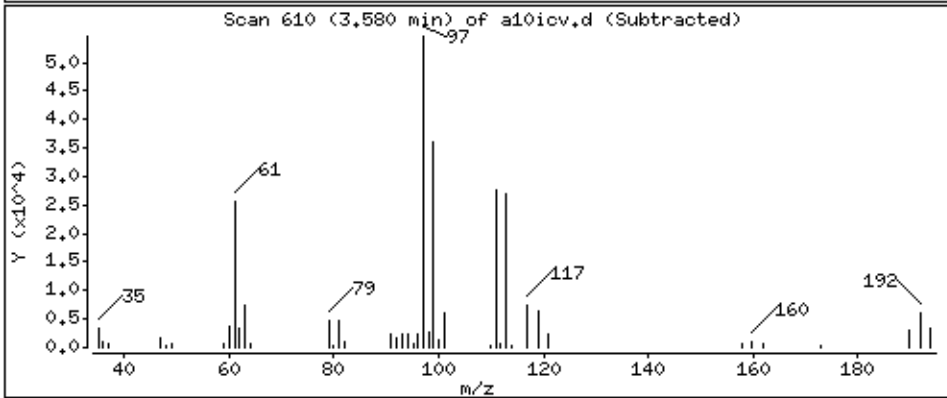
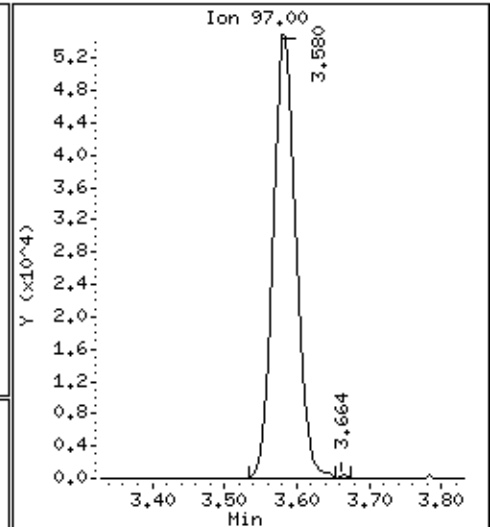
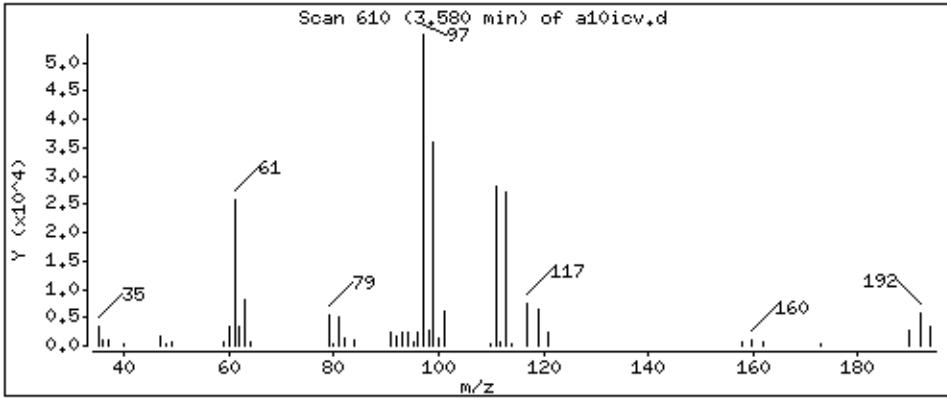
Operator: grm

Column phase: DB-624

Column diameter: 0,18

37 1,1,1-Trichloroethane

Concentration: 47.2 ppb



Date : 19-JUN-2014 18:51

Client ID: 8260-ICV,71105:0

Instrument: 50mv1a.i

Sample Info: 8260-ICV,71105:0

Purge Volume: 5.0

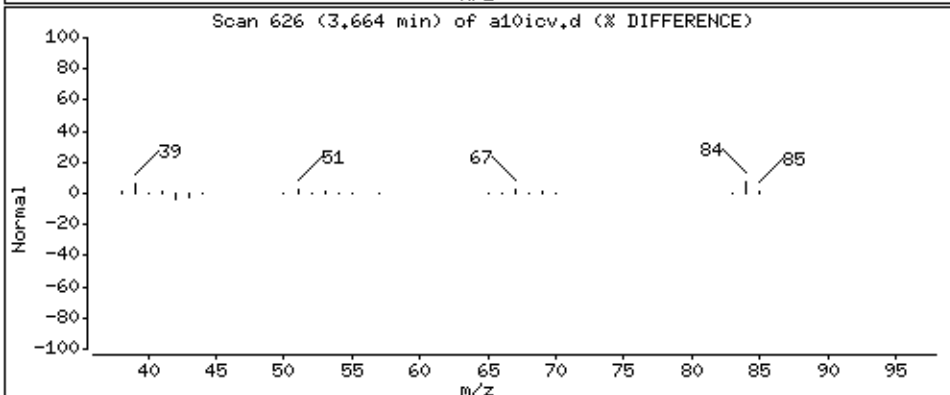
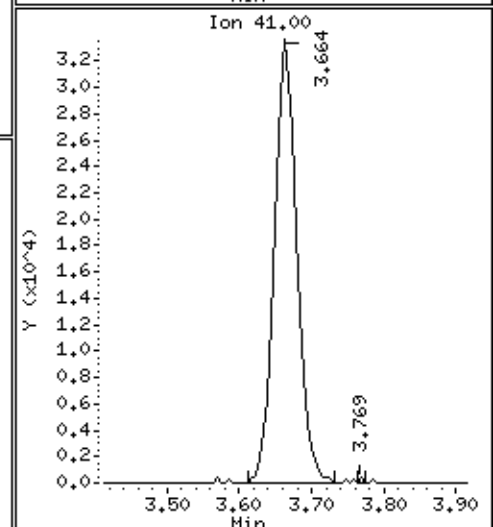
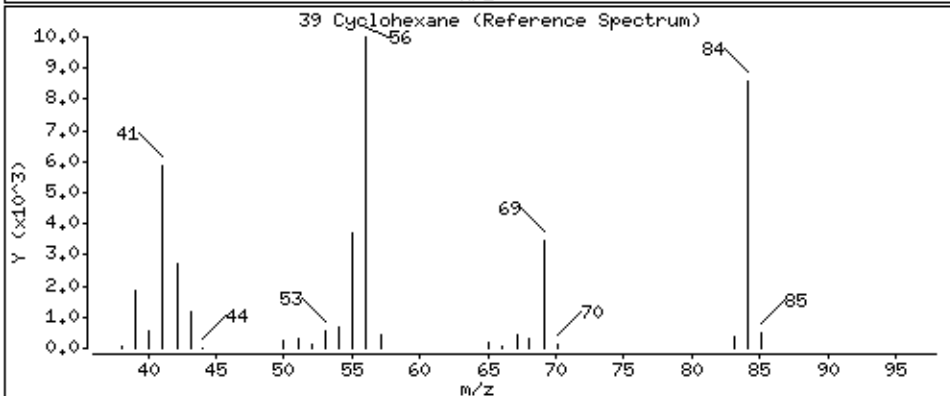
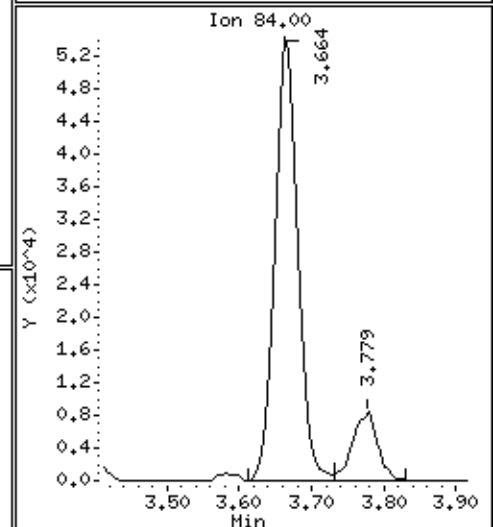
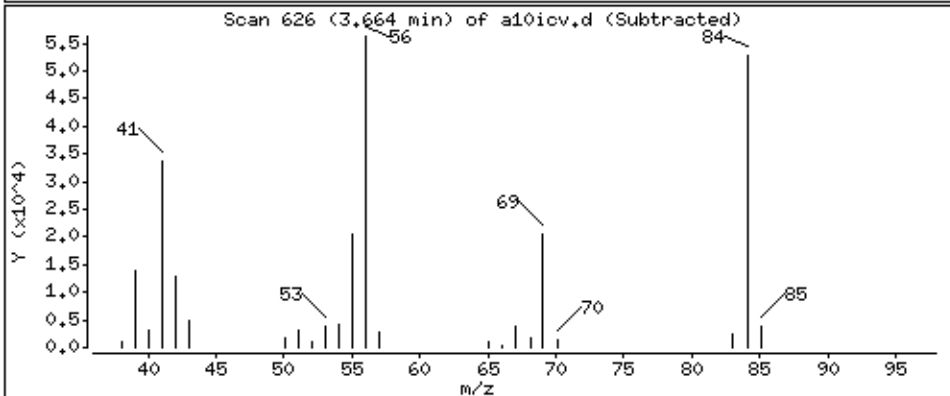
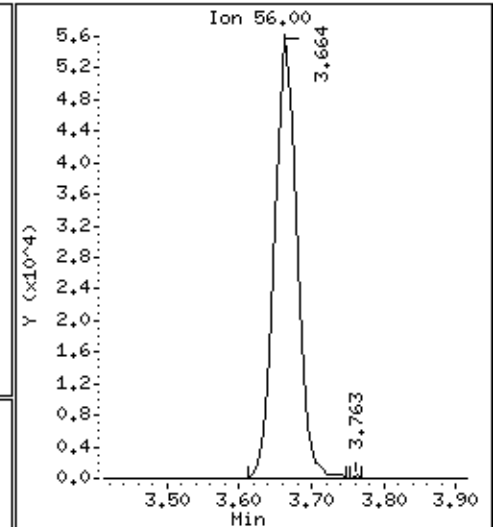
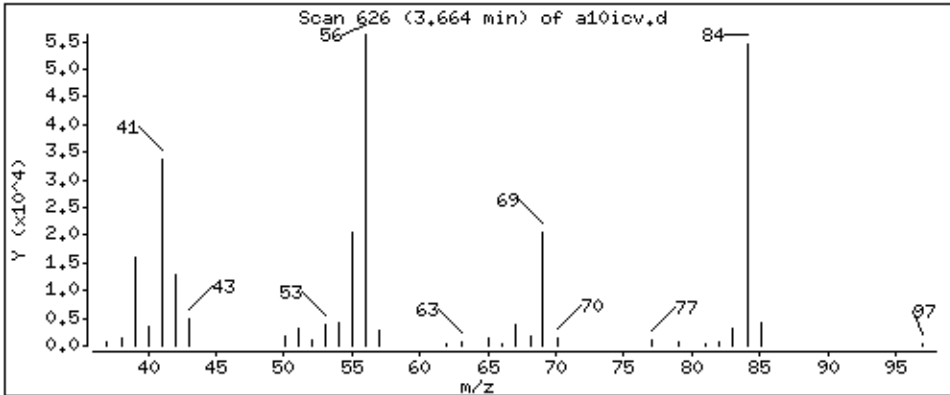
Operator: grm

Column phase: DB-624

Column diameter: 0,18

39 Cyclohexane

Concentration: 54,1 ppb



Date : 19-JUN-2014 18:51

Client ID: 8260-ICV,71105:0

Instrument: 50mv1a.i

Sample Info: 8260-ICV,71105:0

Purge Volume: 5.0

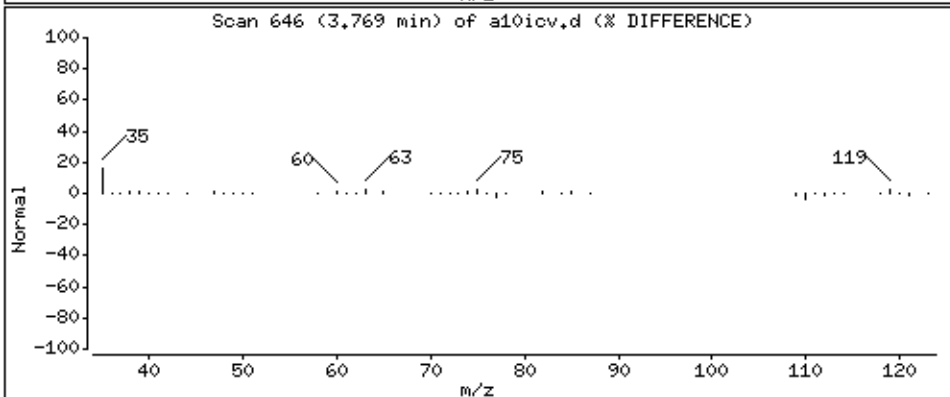
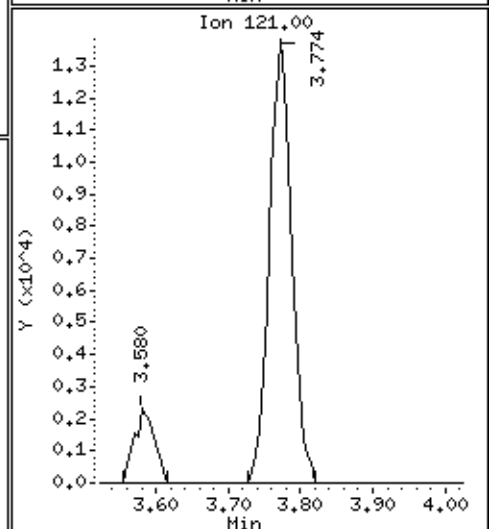
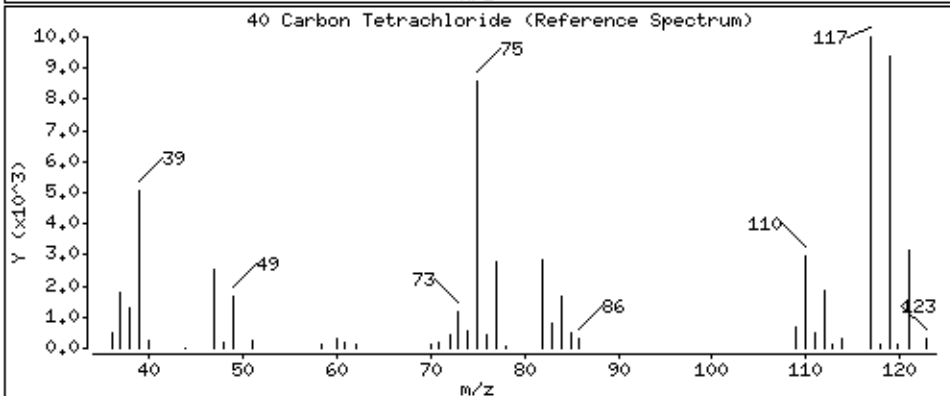
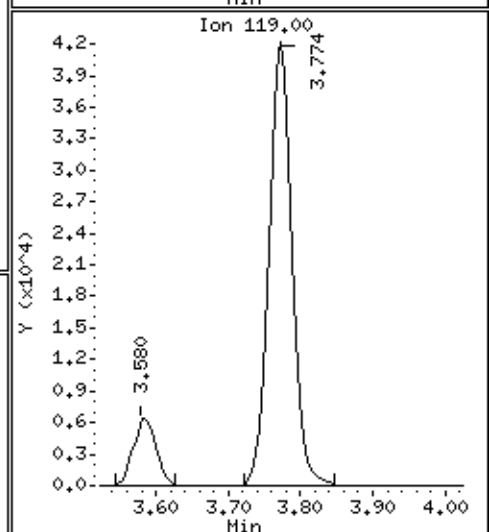
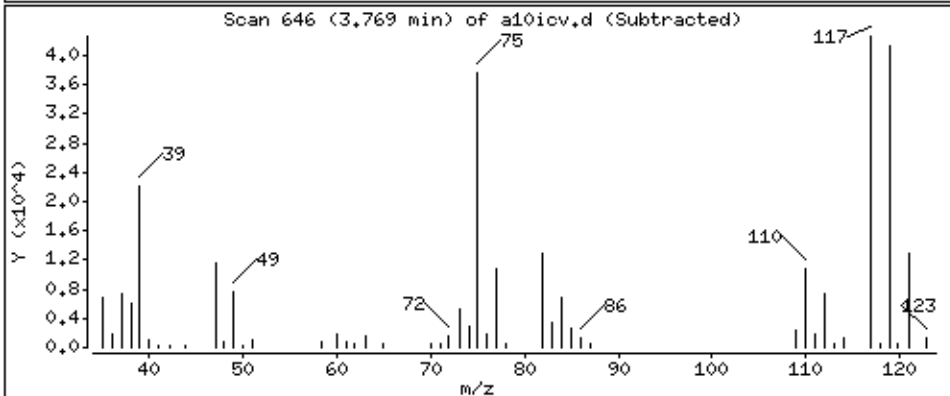
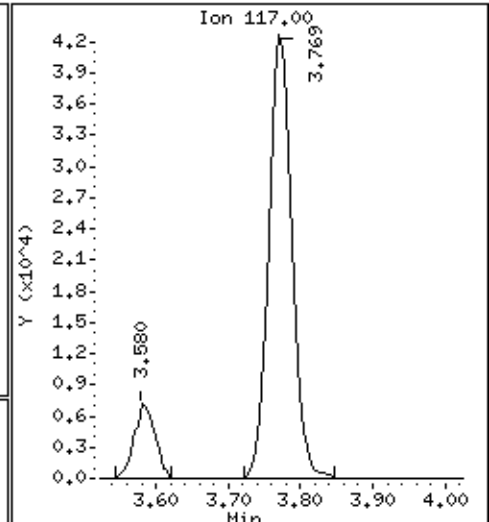
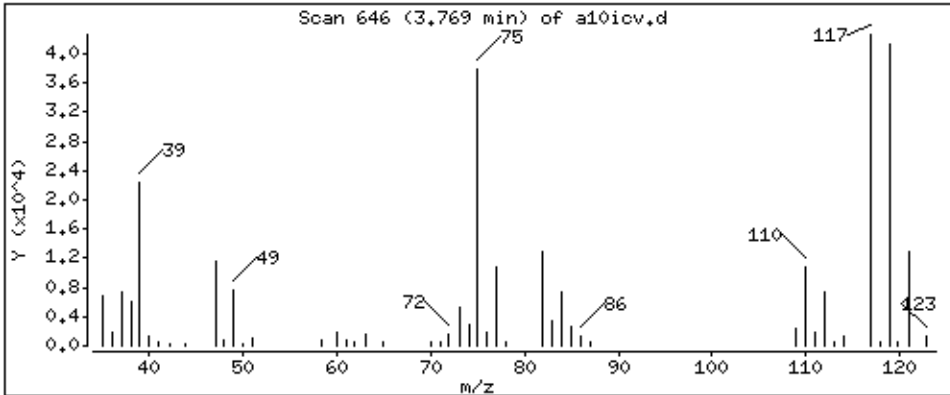
Operator: grm

Column phase: DB-624

Column diameter: 0,18

40 Carbon Tetrachloride

Concentration: 47.0 ppb



Date : 19-JUN-2014 18:51

Client ID: 8260-ICV,71105:0

Instrument: 50mv1a.i

Sample Info: 8260-ICV,71105:0

Purge Volume: 5.0

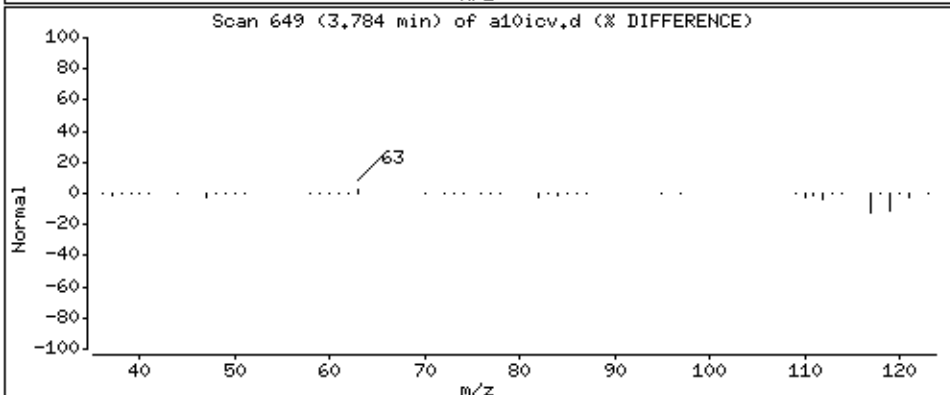
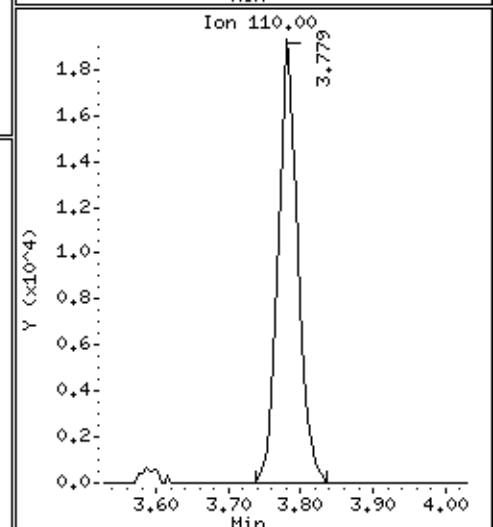
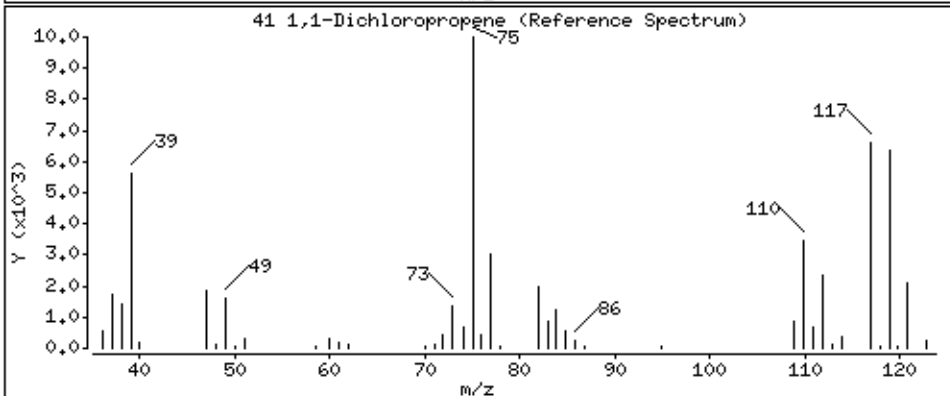
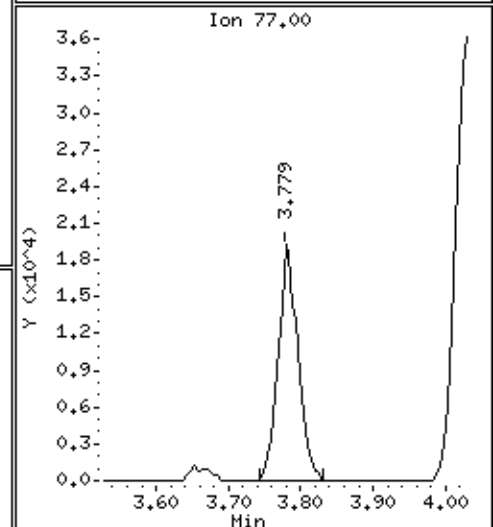
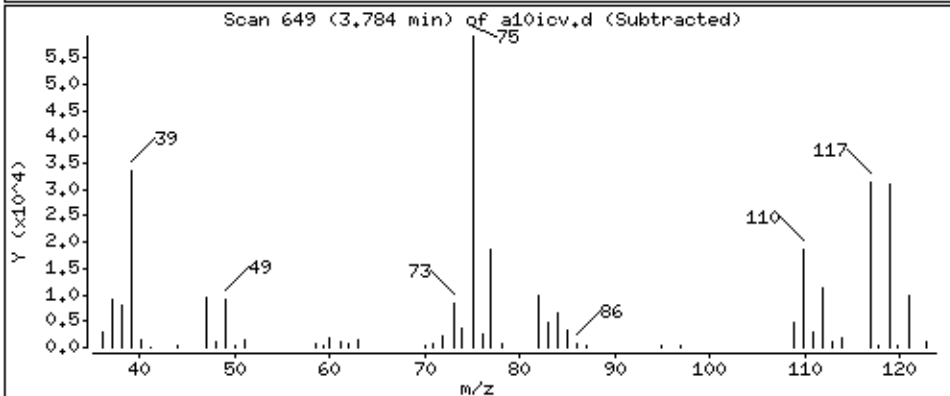
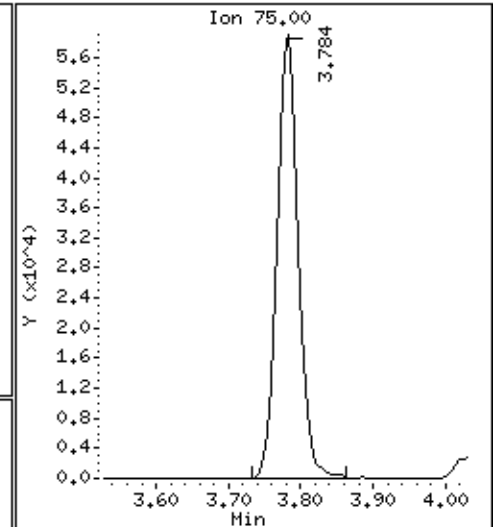
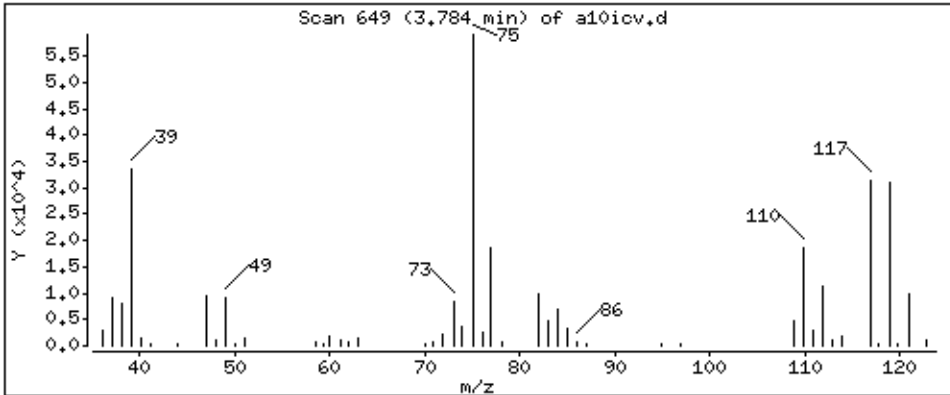
Operator: grm

Column phase: DB-624

Column diameter: 0,18

41 1,1-Dichloropropene

Concentration: 49,6 ppb



Date : 19-JUN-2014 18:51

Client ID: 8260-ICV,71105:0

Instrument: 50mv1a.i

Sample Info: 8260-ICV,71105:0

Purge Volume: 5.0

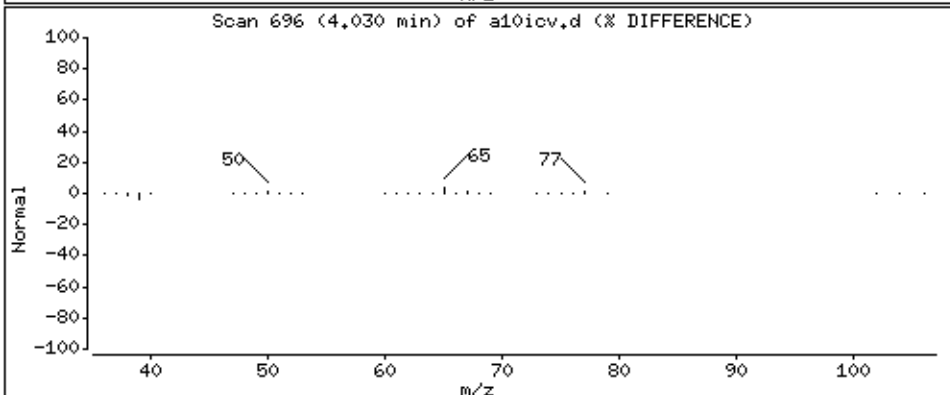
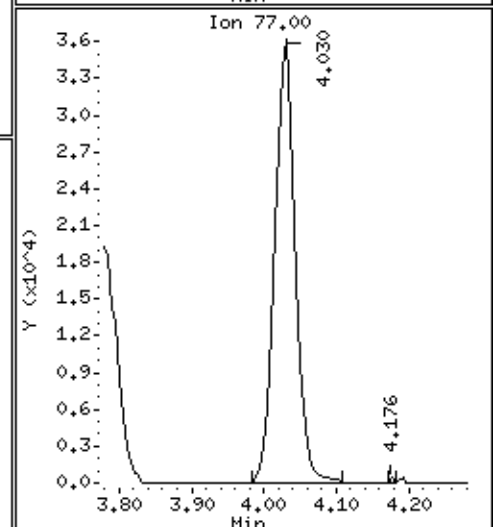
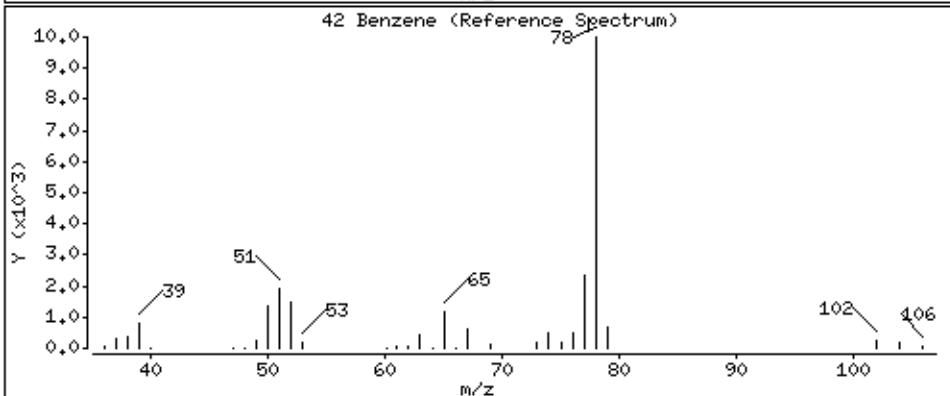
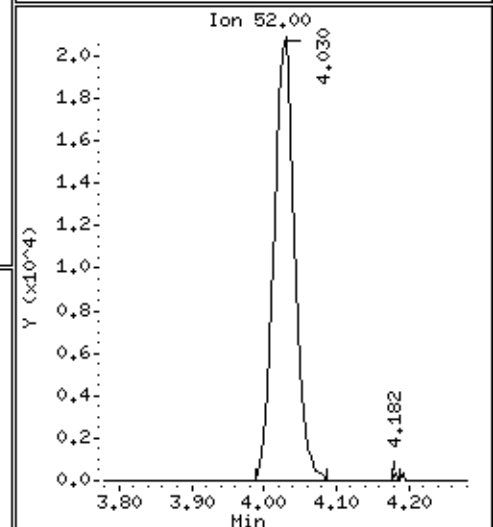
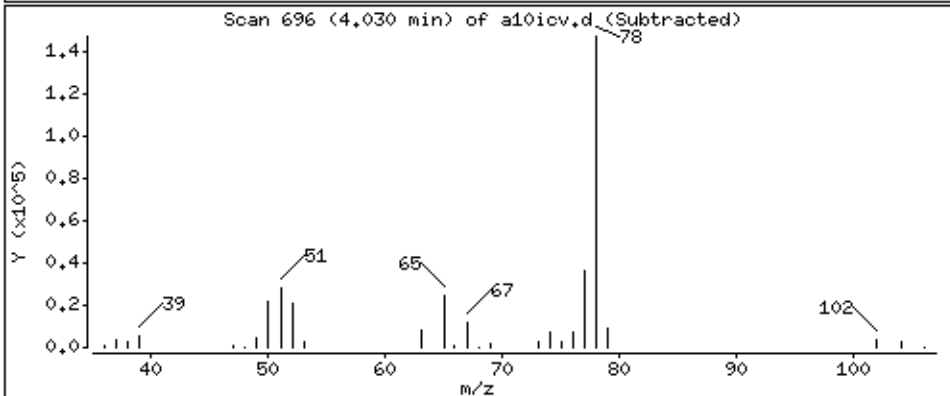
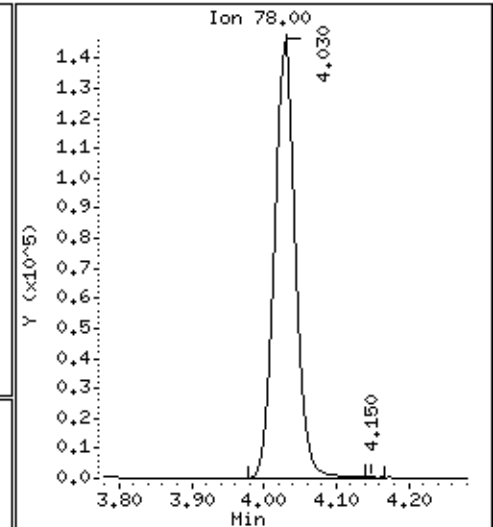
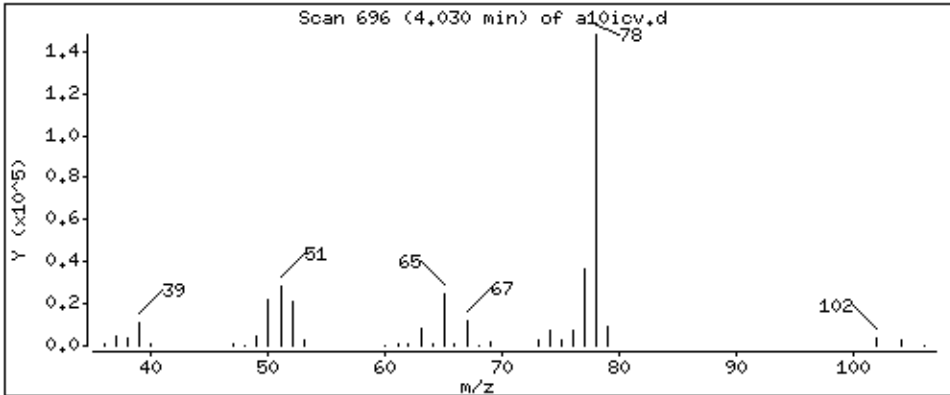
Operator: grm

Column phase: DB-624

Column diameter: 0,18

42 Benzene

Concentration: 49,7 ppb



Date : 19-JUN-2014 18:51

Client ID: 8260-ICV,71105:0

Instrument: 50mv1a.i

Sample Info: 8260-ICV,71105:0

Purge Volume: 5.0

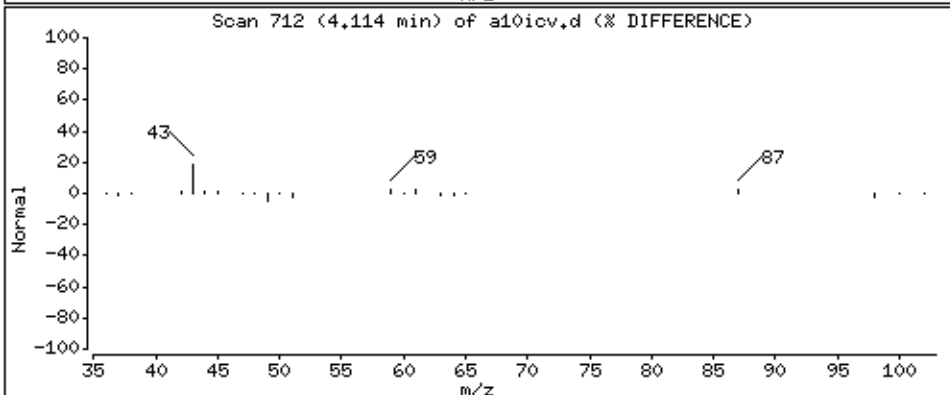
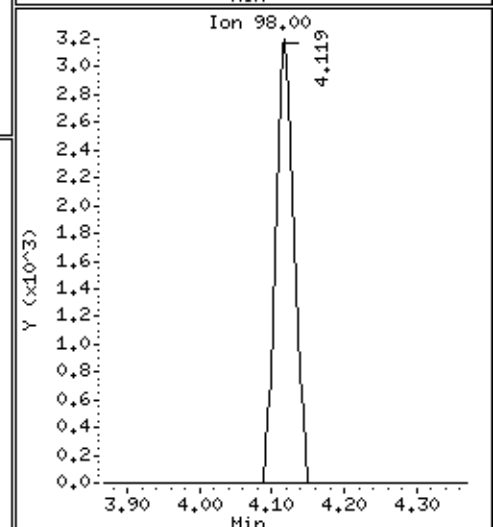
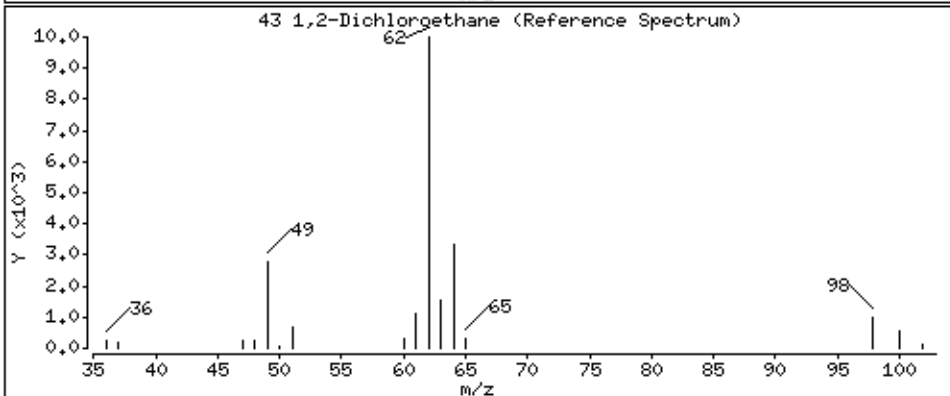
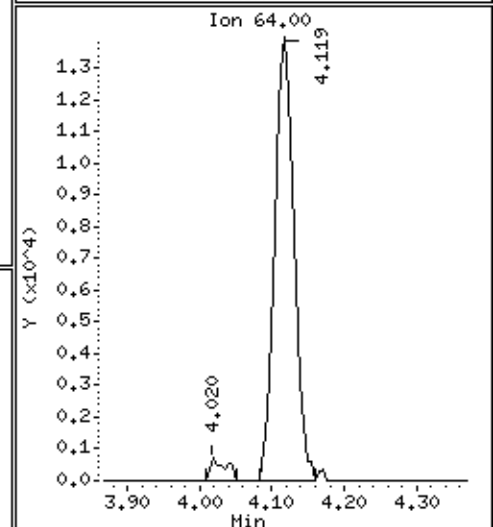
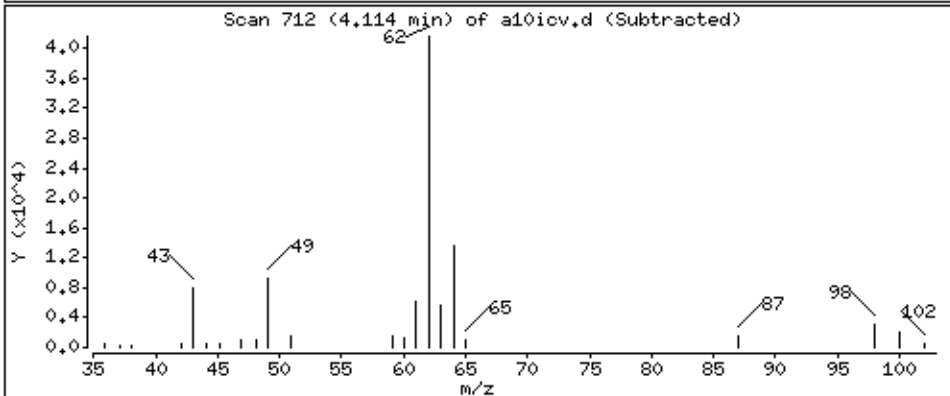
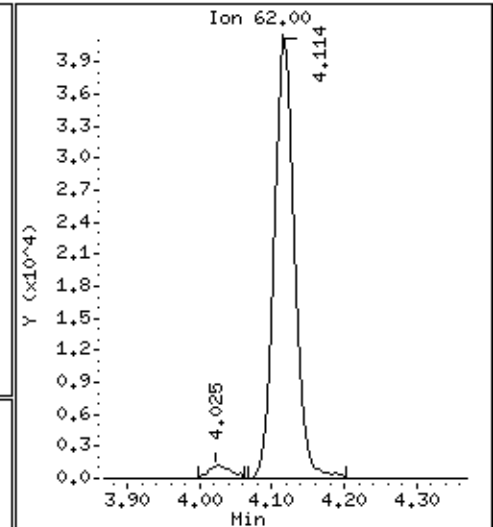
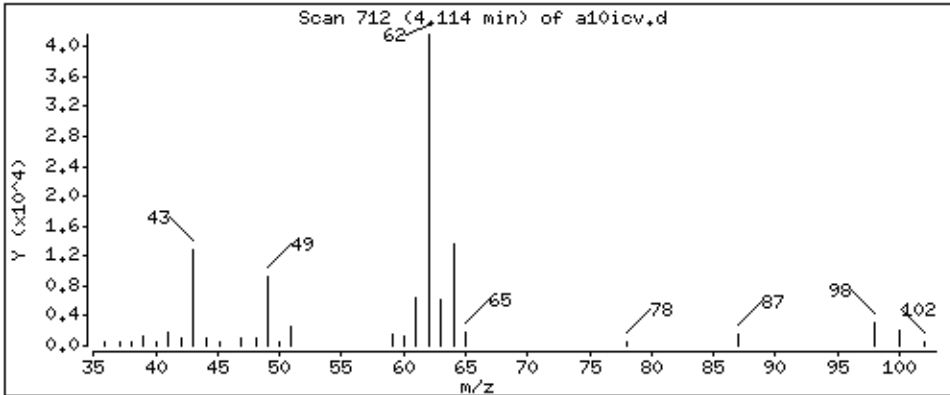
Operator: grm

Column phase: DB-624

Column diameter: 0,18

43 1,2-Dichloroethane

Concentration: 45,4 ppb



Date : 19-JUN-2014 18:51

Client ID: 8260-ICV,71105:0

Instrument: 50mv1a.i

Sample Info: 8260-ICV,71105:0

Purge Volume: 5.0

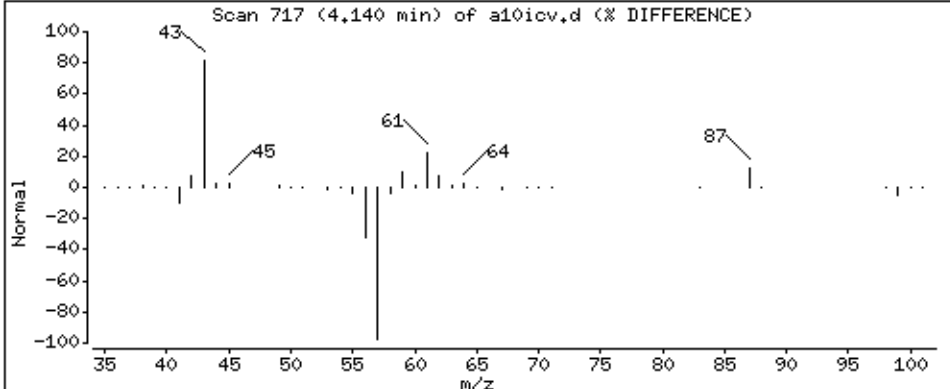
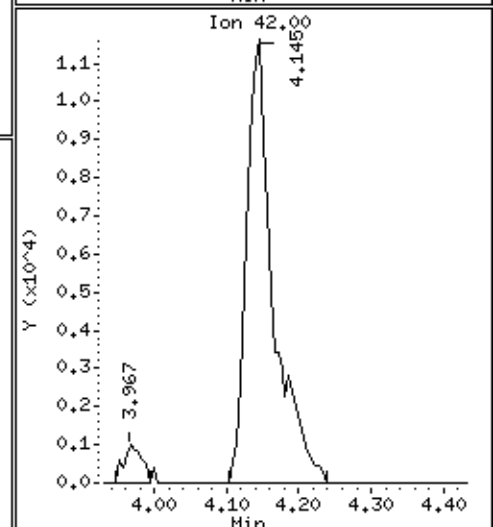
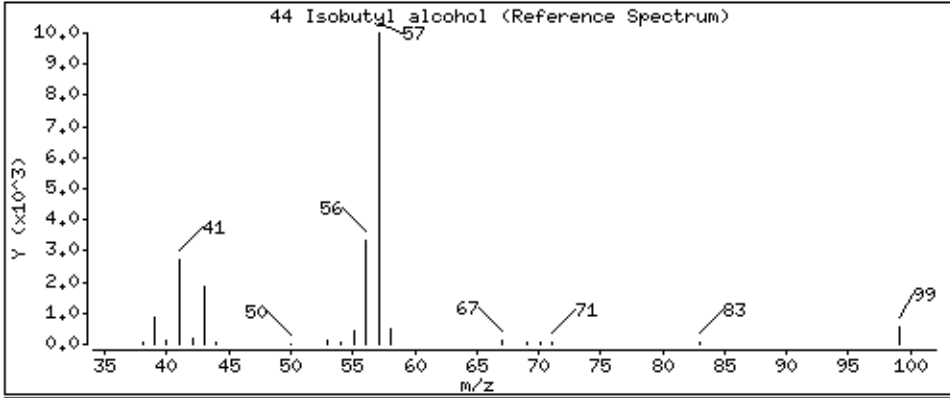
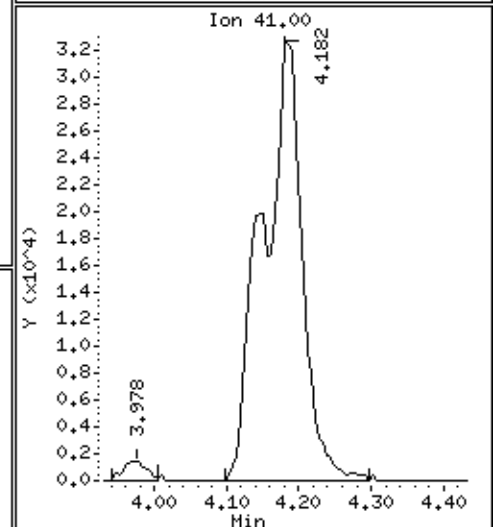
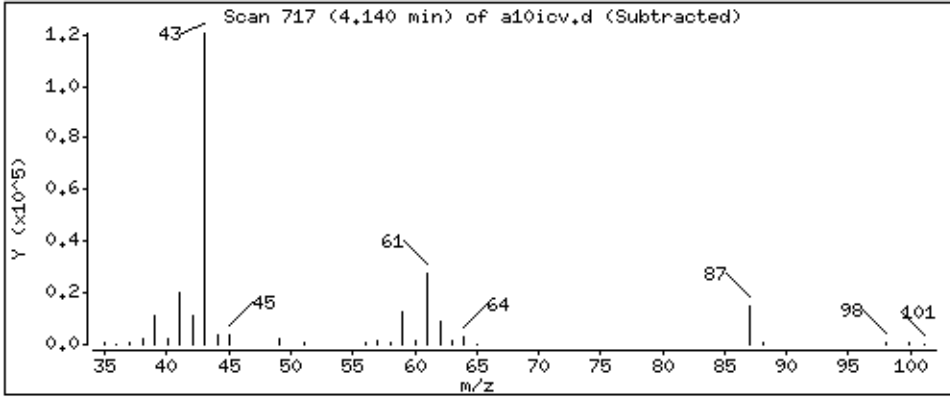
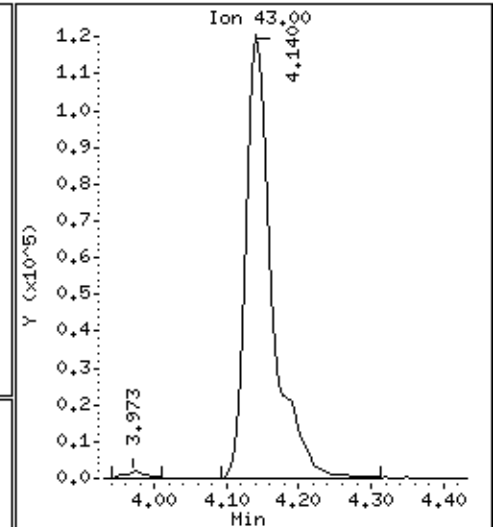
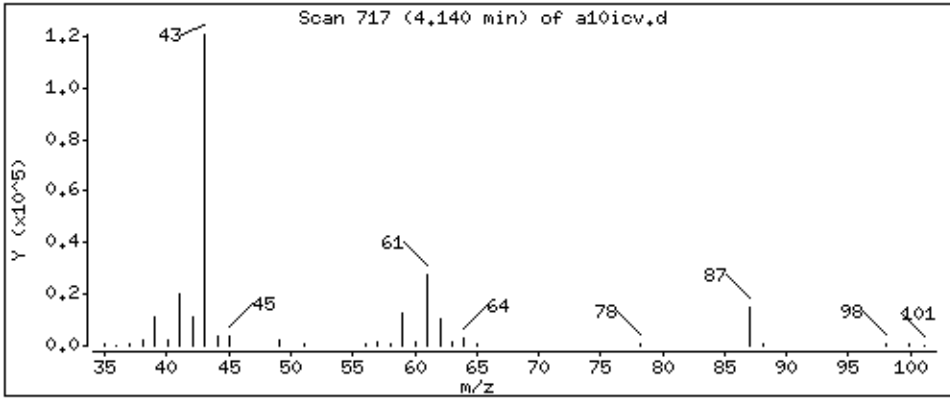
Operator: grm

Column phase: DB-624

Column diameter: 0,18

44 Isobutyl alcohol

Concentration: 286 ppb



Date : 19-JUN-2014 18:51

Client ID: 8260-ICV,71105;0

Instrument: 50mv1a.i

Sample Info: 8260-ICV,71105;0

Purge Volume: 5.0

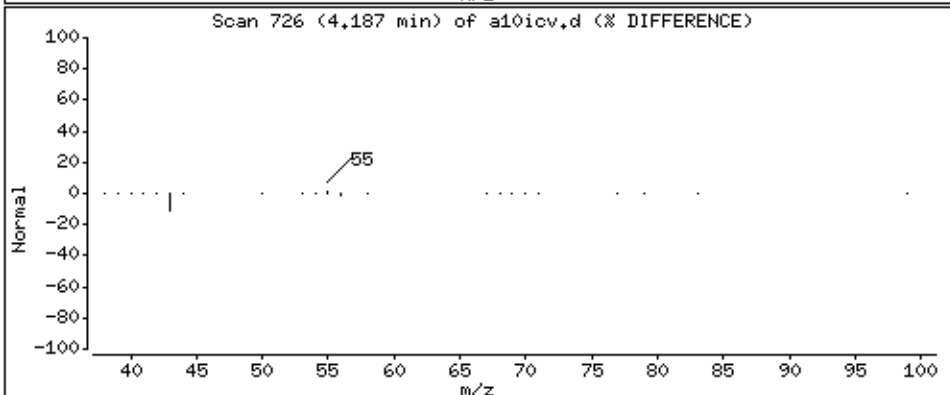
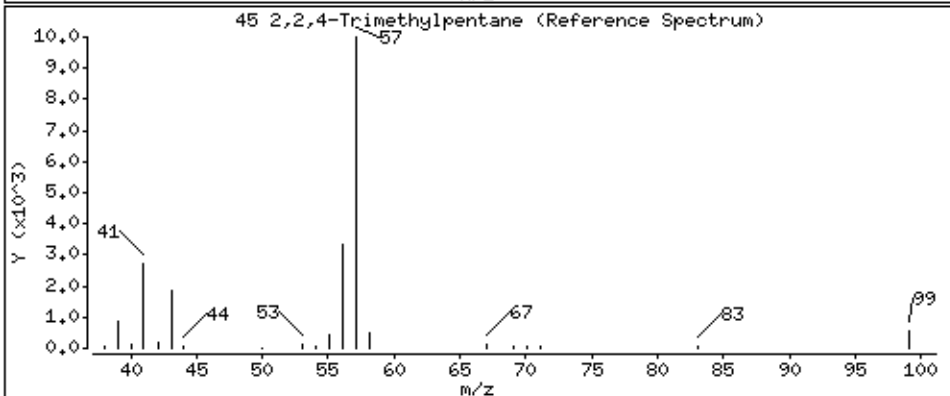
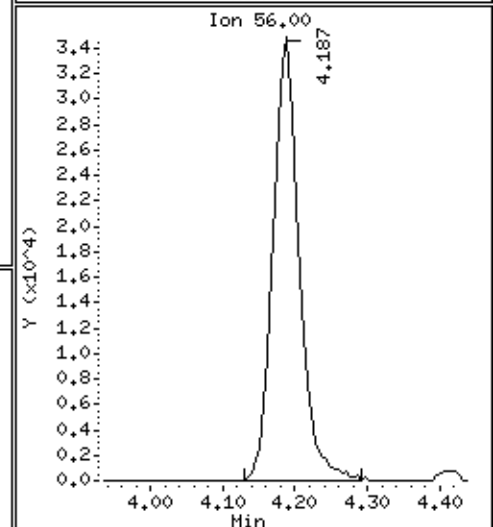
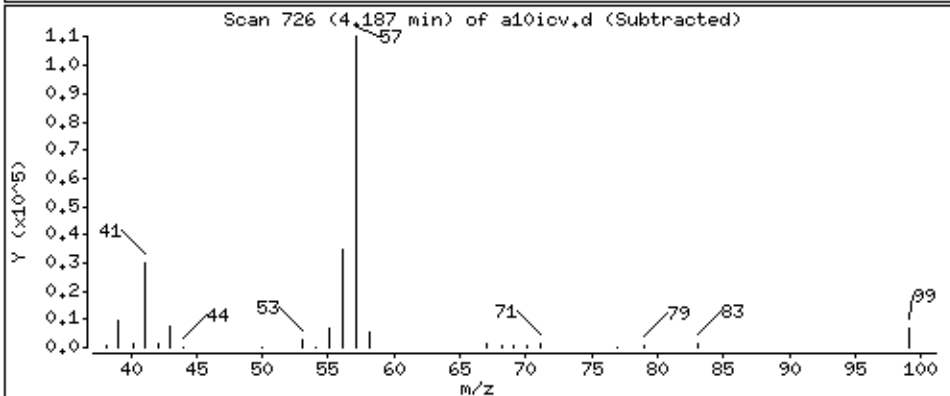
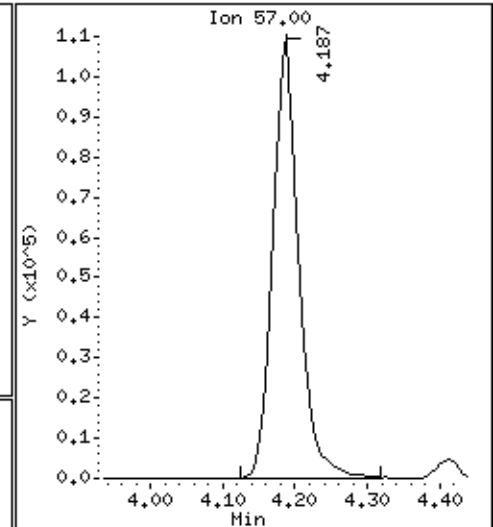
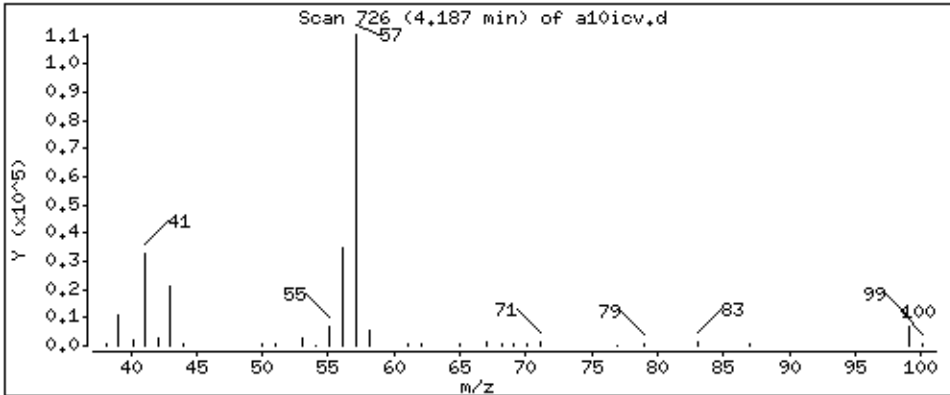
Operator: grm

Column phase: DB-624

Column diameter: 0,18

45 2,2,4-Trimethylpentane

Concentration: 48,7 ppb



Date : 19-JUN-2014 18:51

Client ID: 8260-ICV,71105;0

Instrument: 50mv1a.i

Sample Info: 8260-ICV,71105;0

Purge Volume: 5.0

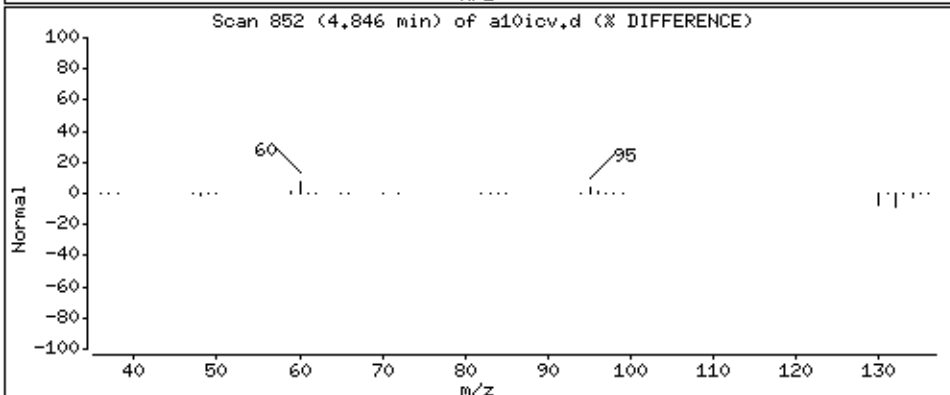
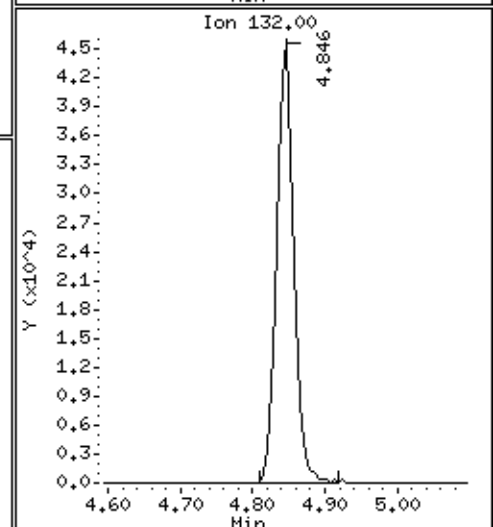
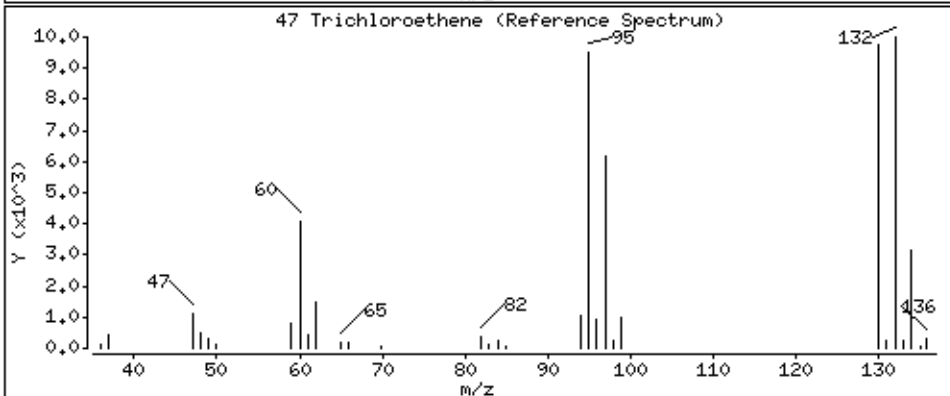
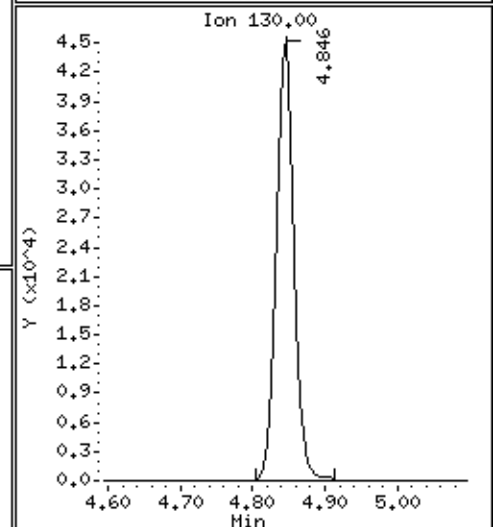
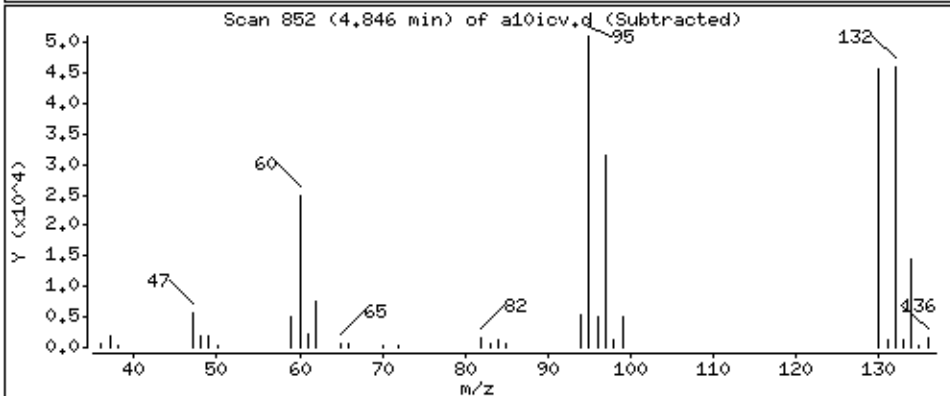
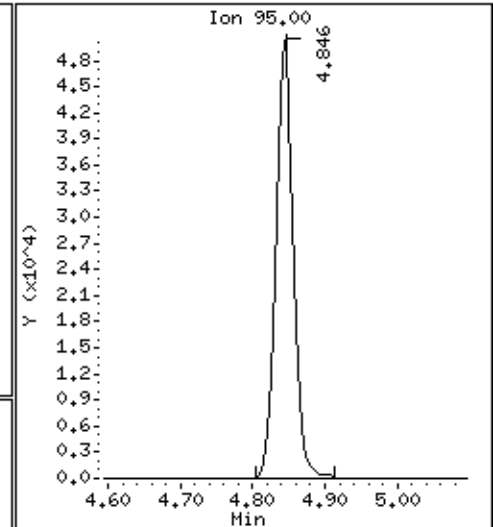
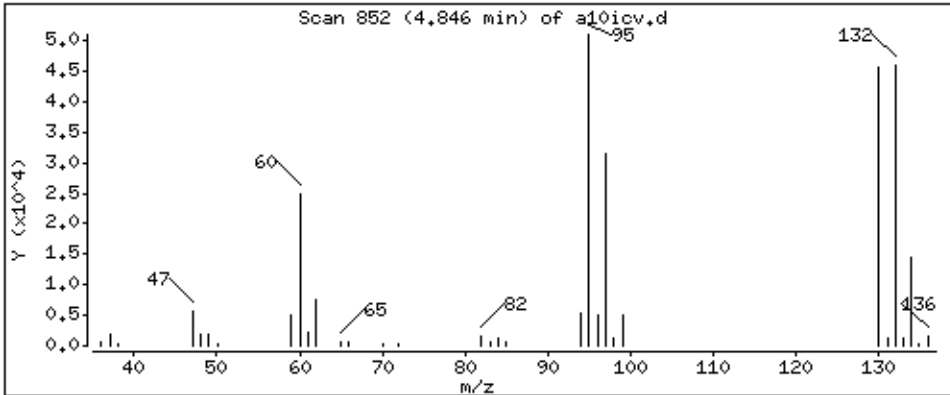
Operator: grm

Column phase: DB-624

Column diameter: 0,18

47 Trichloroethene

Concentration: 48,2 ppb



Date : 19-JUN-2014 18:51

Client ID: 8260-ICV,71105:0

Instrument: 50mv1a.i

Sample Info: 8260-ICV,71105:0

Purge Volume: 5.0

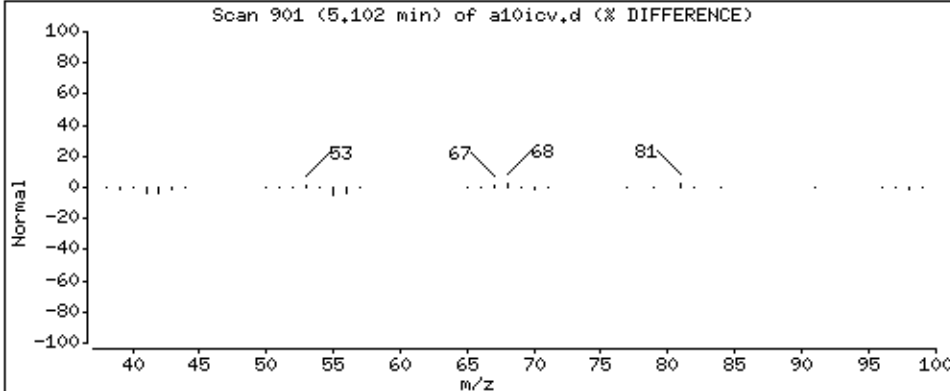
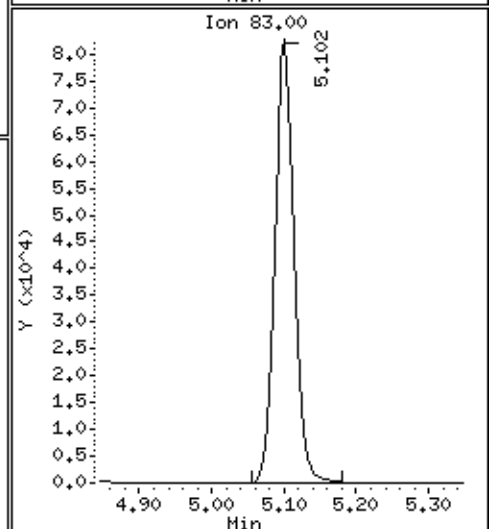
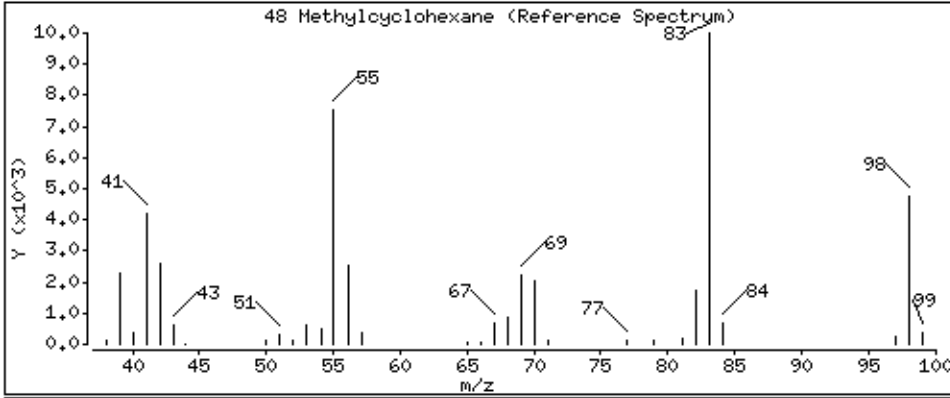
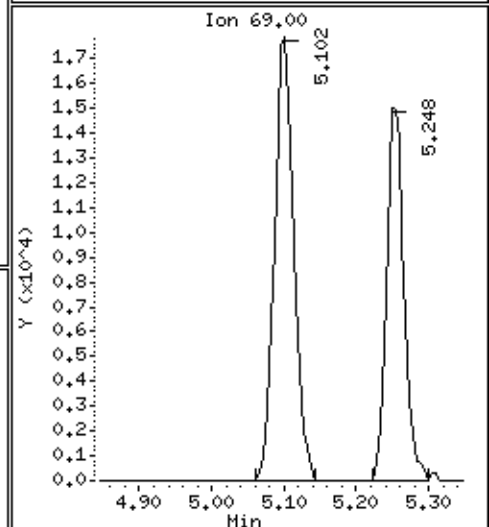
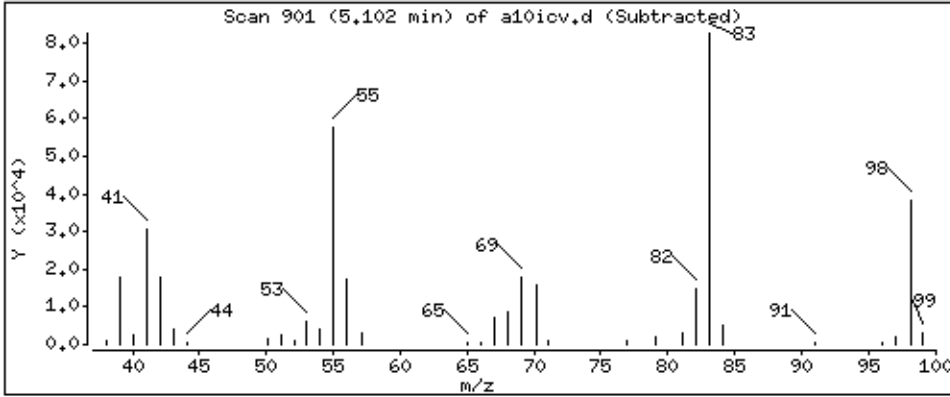
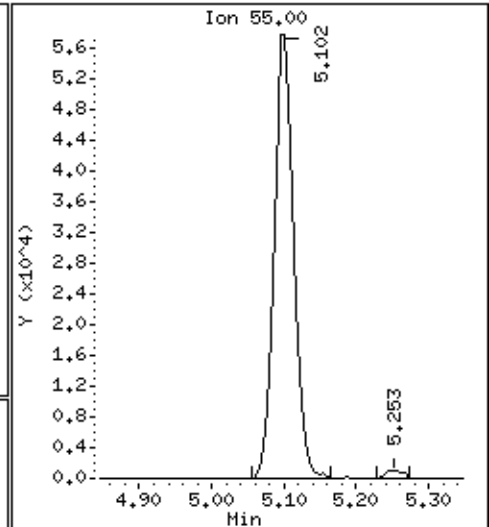
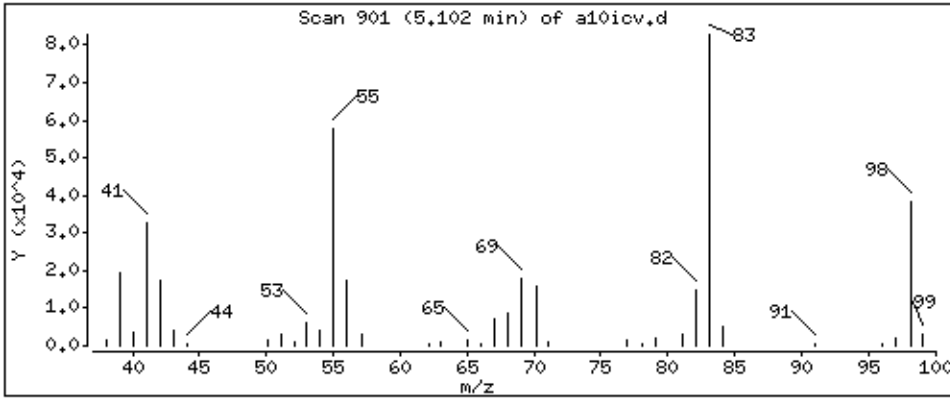
Operator: grm

Column phase: DB-624

Column diameter: 0,18

48 Methylcyclohexane

Concentration: 51,5 ppb



Date : 19-JUN-2014 18:51

Client ID: 8260-ICV,71105:0

Instrument: 50mv1a.i

Sample Info: 8260-ICV,71105:0

Purge Volume: 5.0

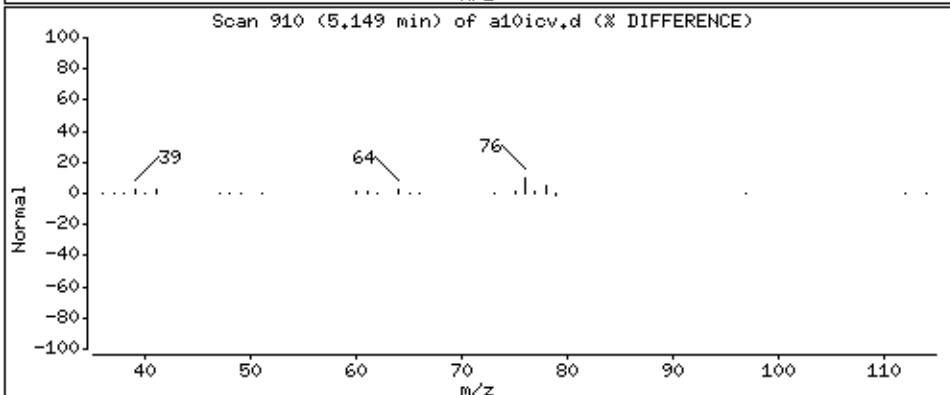
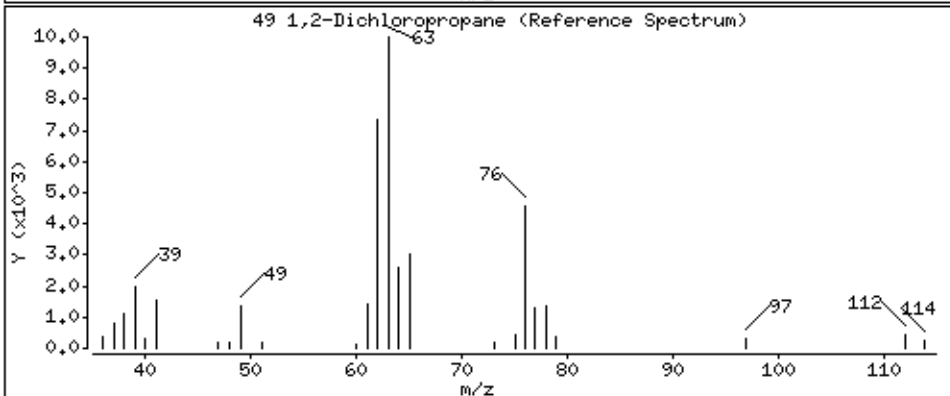
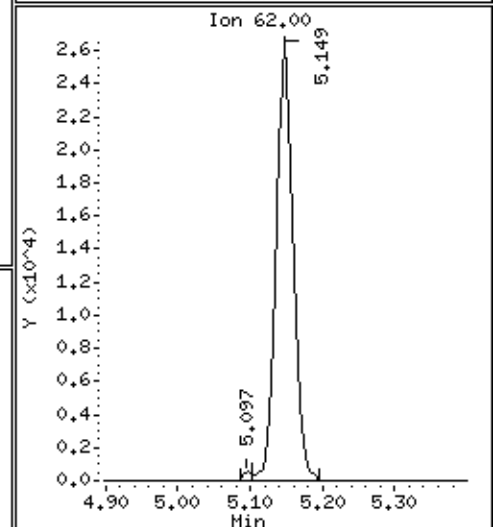
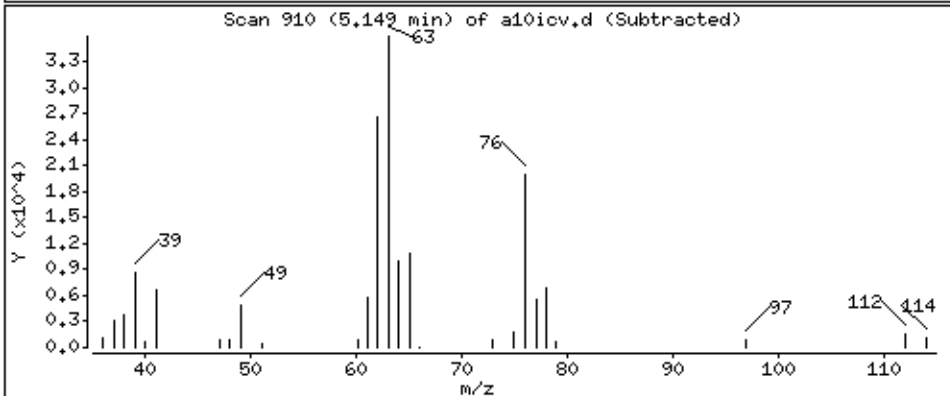
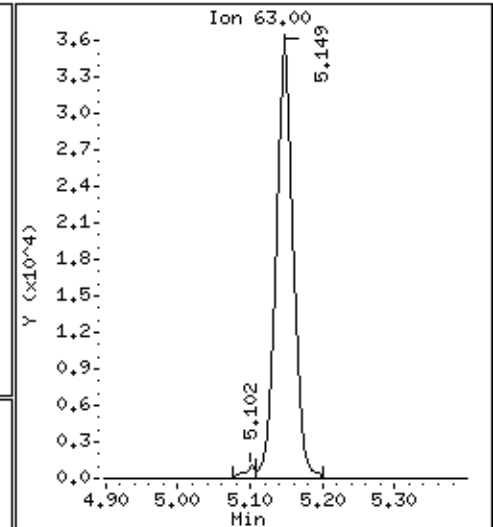
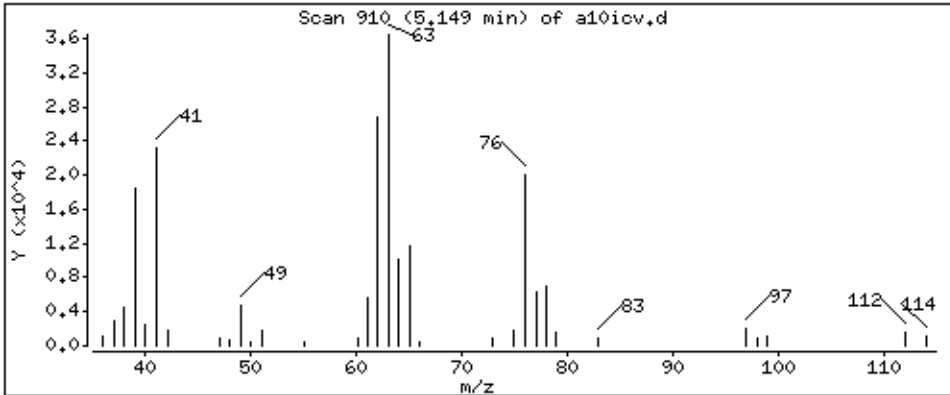
Operator: grm

Column phase: DB-624

Column diameter: 0,18

49 1,2-Dichloropropane

Concentration: 46,9 ppb



Date : 19-JUN-2014 18:51

Client ID: 8260-ICV,71105;0

Instrument: 50mv1a.i

Sample Info: 8260-ICV,71105;0

Purge Volume: 5.0

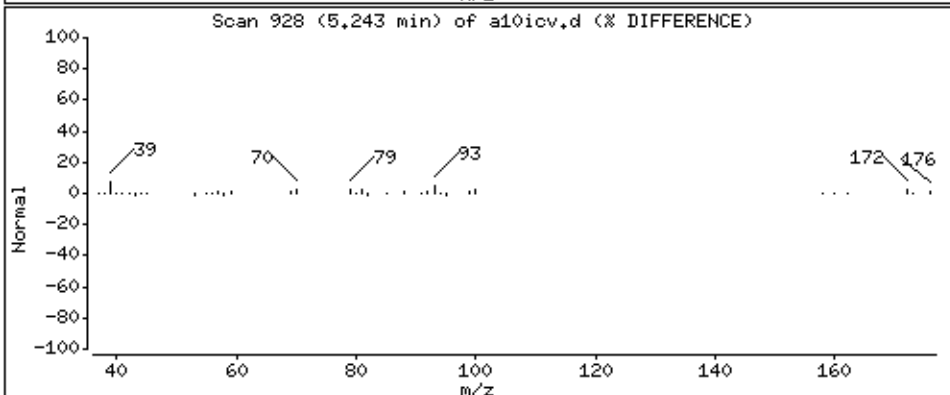
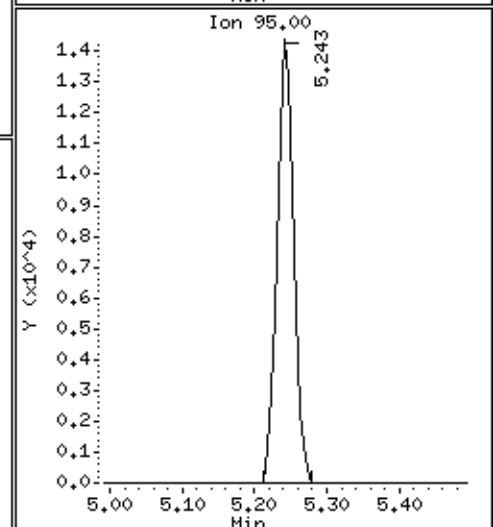
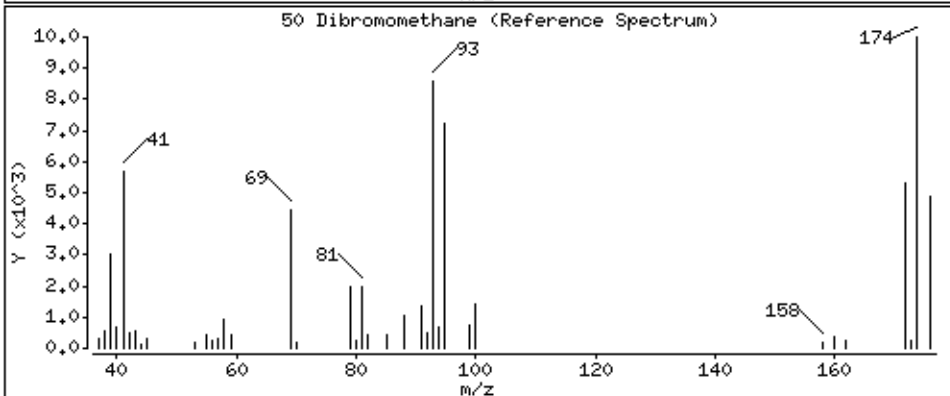
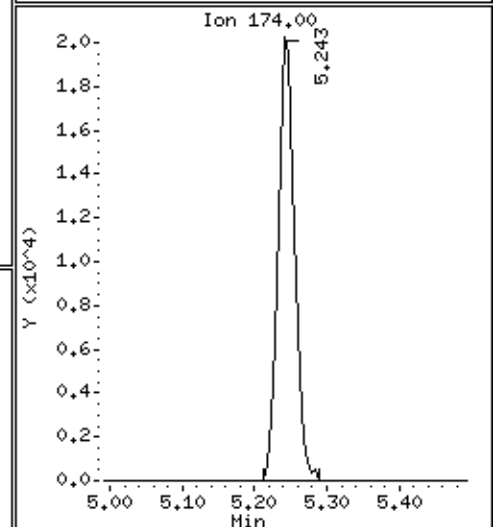
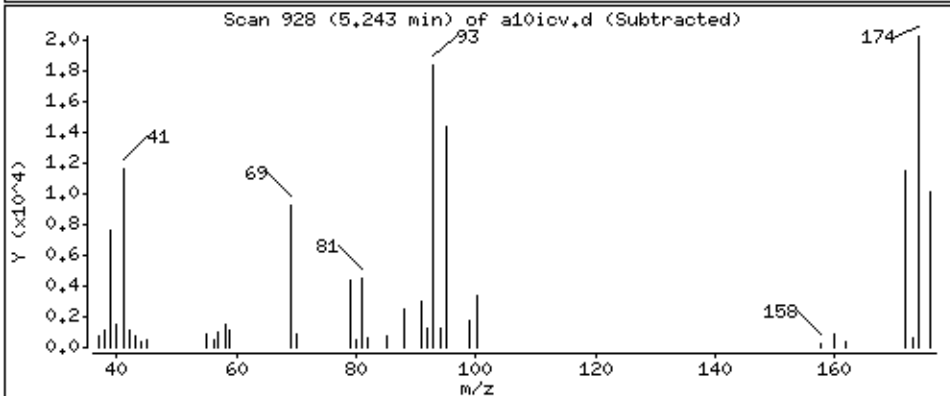
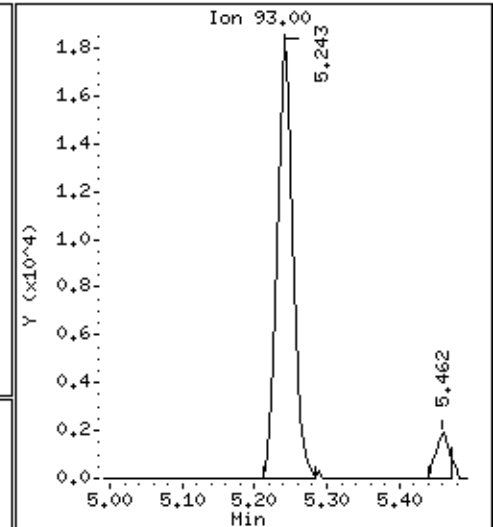
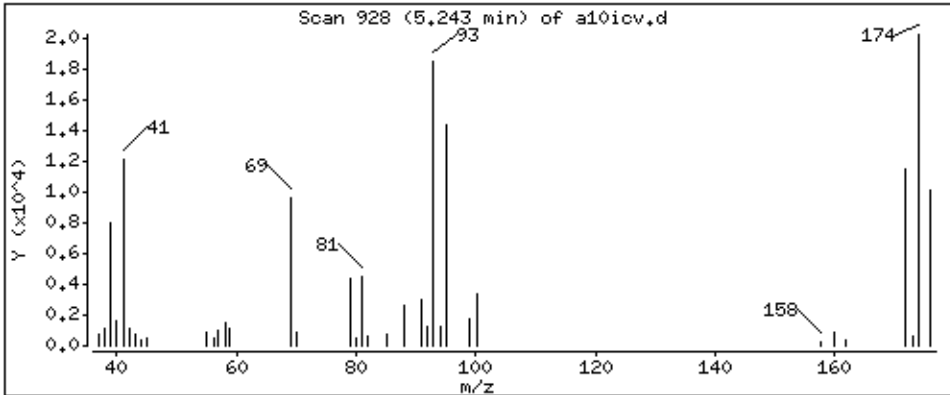
Operator: grm

Column phase: DB-624

Column diameter: 0,18

50 Dibromomethane

Concentration: 45.3 ppb



Date : 19-JUN-2014 18:51

Client ID: 8260-ICV,71105:0

Instrument: 50mv1a.i

Sample Info: 8260-ICV,71105:0

Purge Volume: 5.0

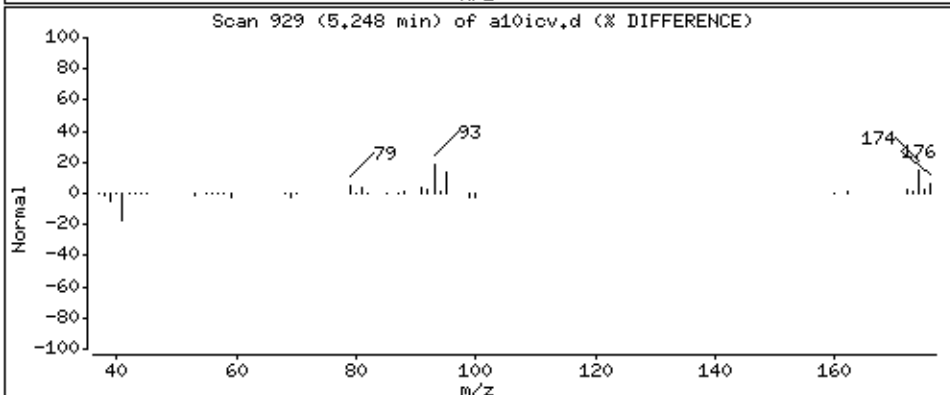
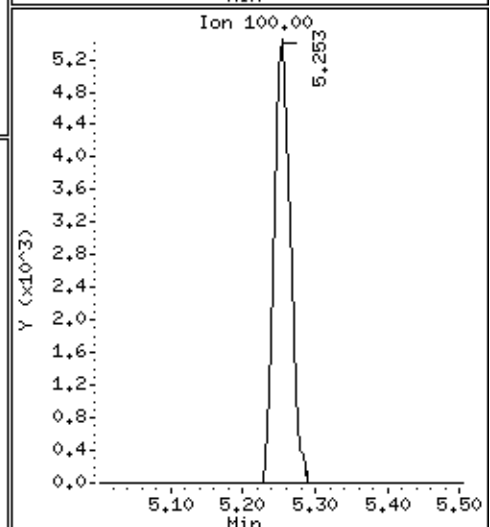
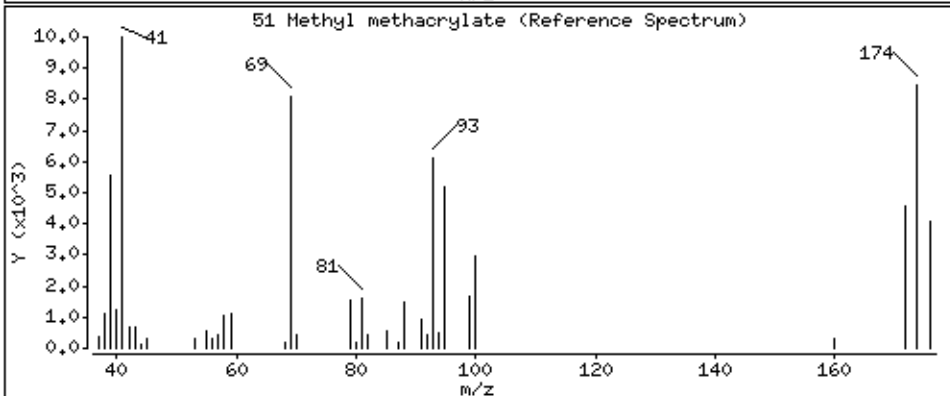
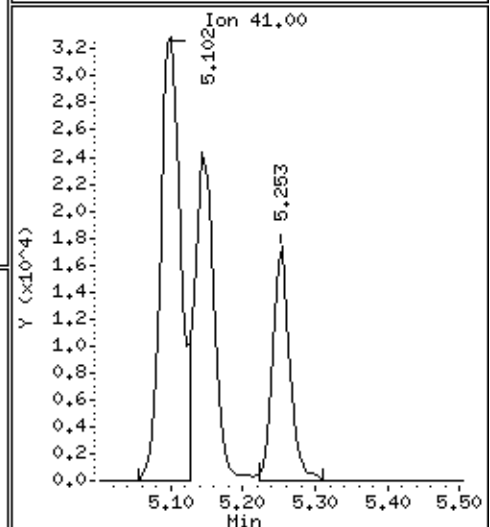
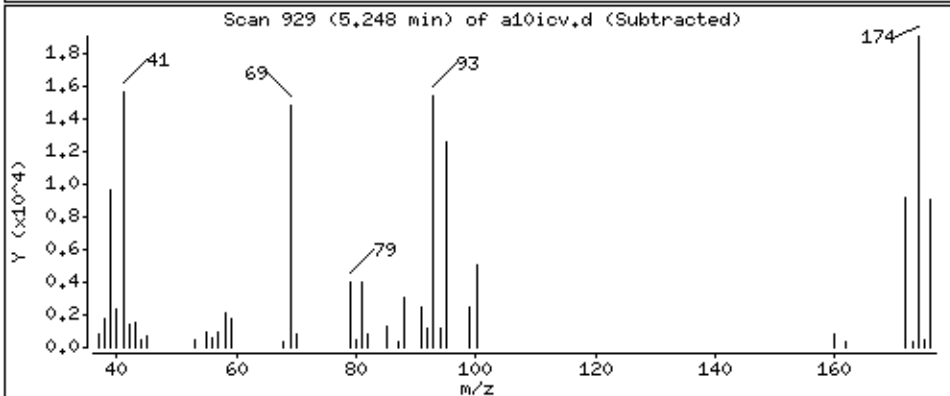
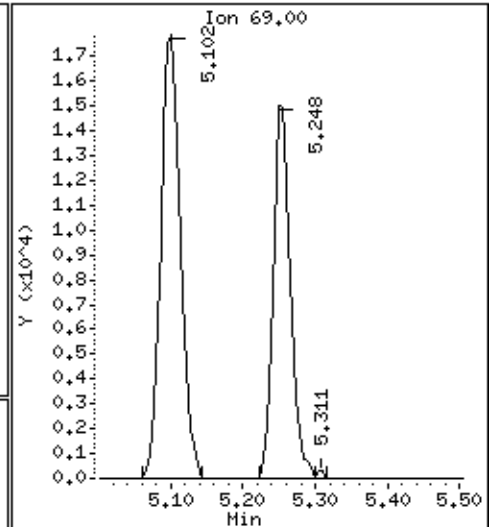
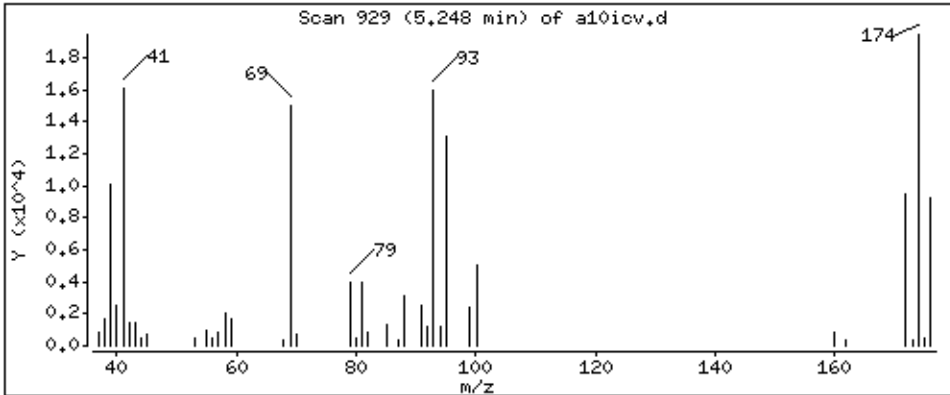
Operator: grm

Column phase: DB-624

Column diameter: 0,18

51 Methyl methacrylate

Concentration: 52.2 ppb



Date : 19-JUN-2014 18:51

Client ID: 8260-ICV,71105:0

Instrument: 50mv1a.i

Sample Info: 8260-ICV,71105:0

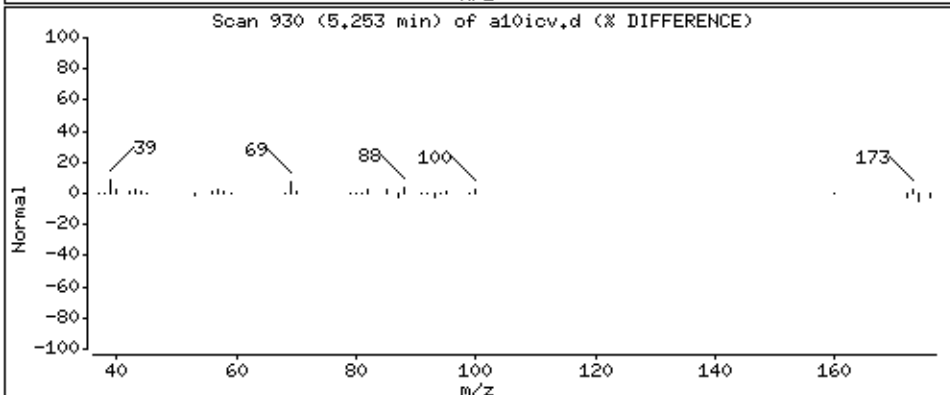
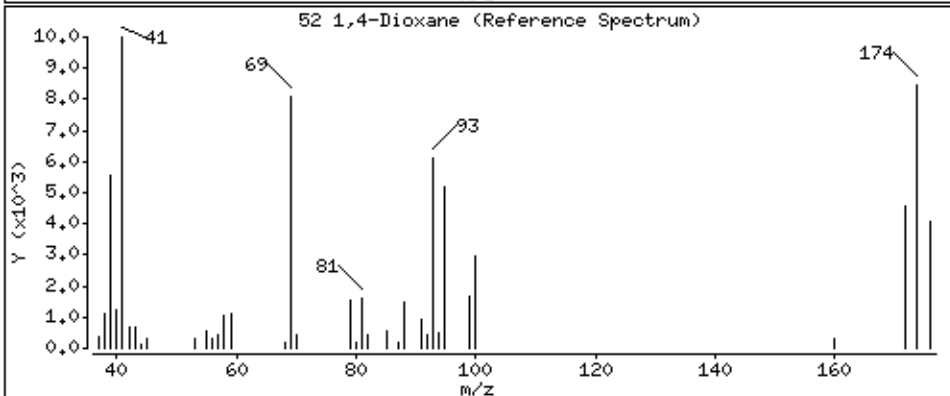
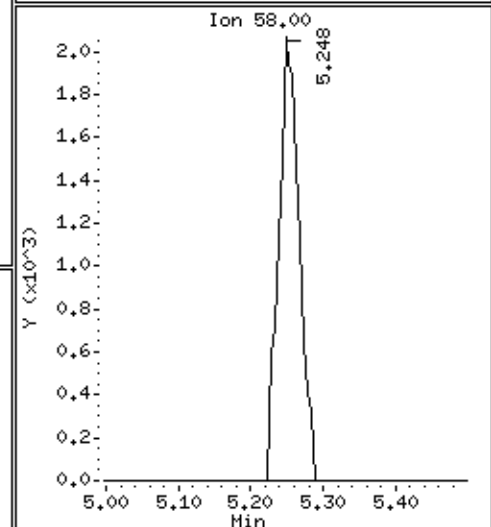
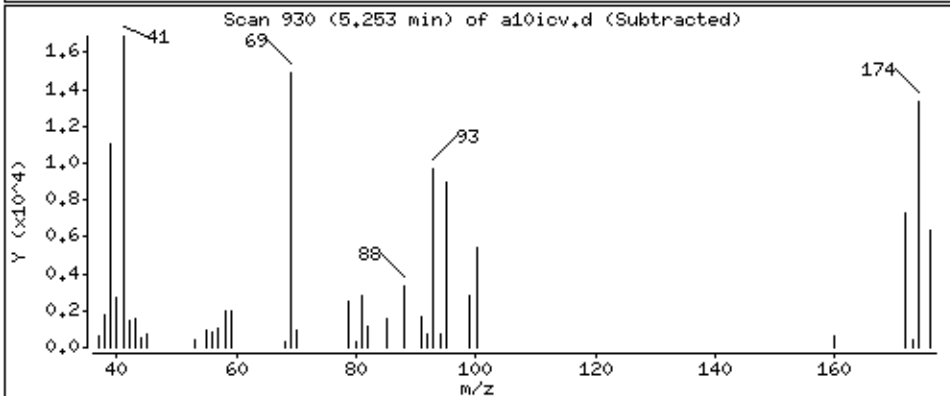
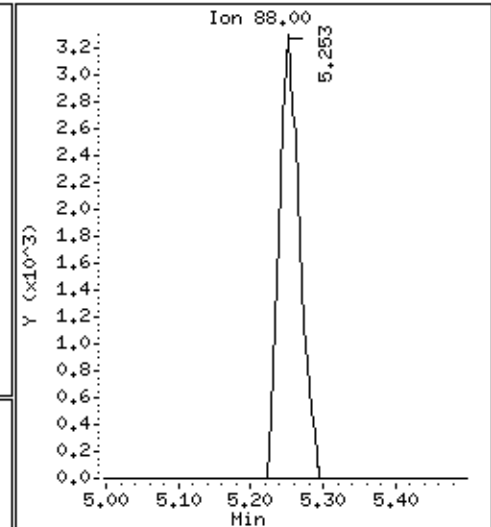
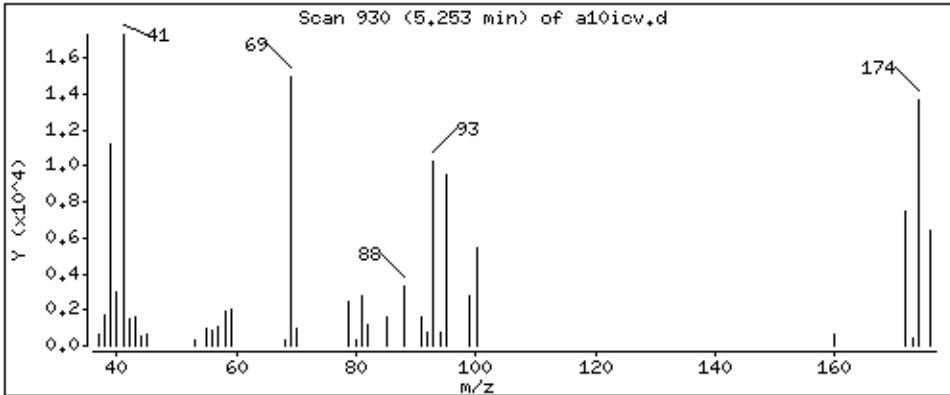
Purge Volume: 5.0

Operator: grm

Column phase: DB-624

Column diameter: 0,18

52 1,4-Dioxane



Date : 19-JUN-2014 18:51

Client ID: 8260-ICV,71105:0

Instrument: 50mv1a.i

Sample Info: 8260-ICV,71105:0

Purge Volume: 5.0

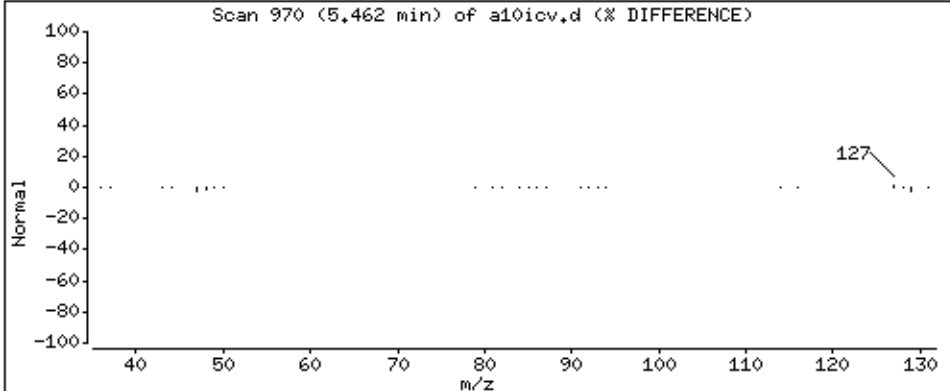
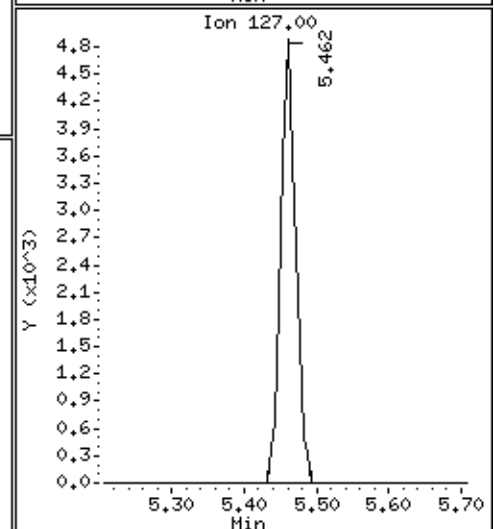
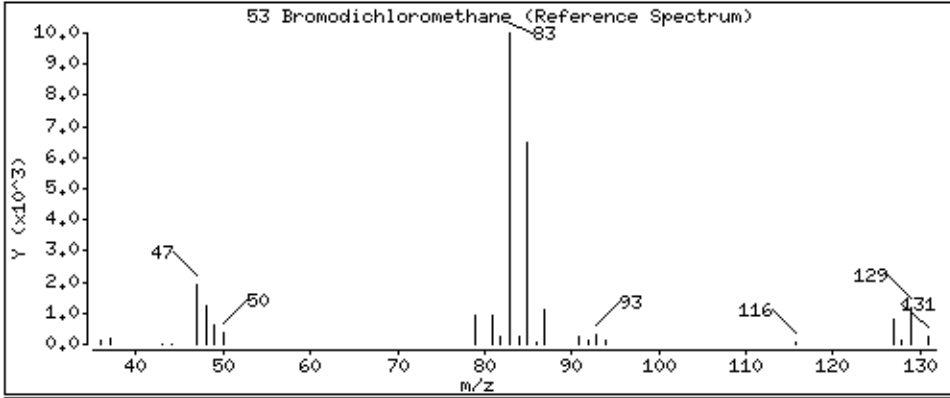
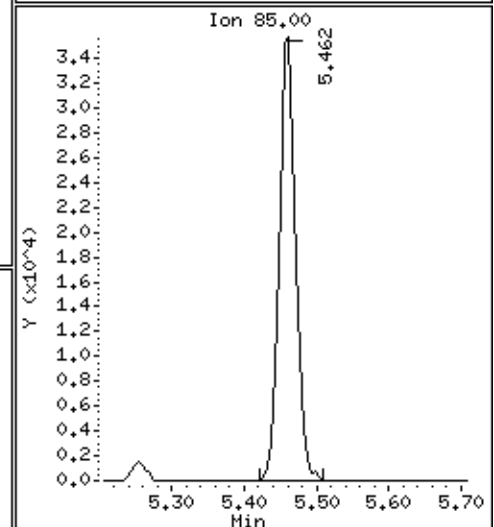
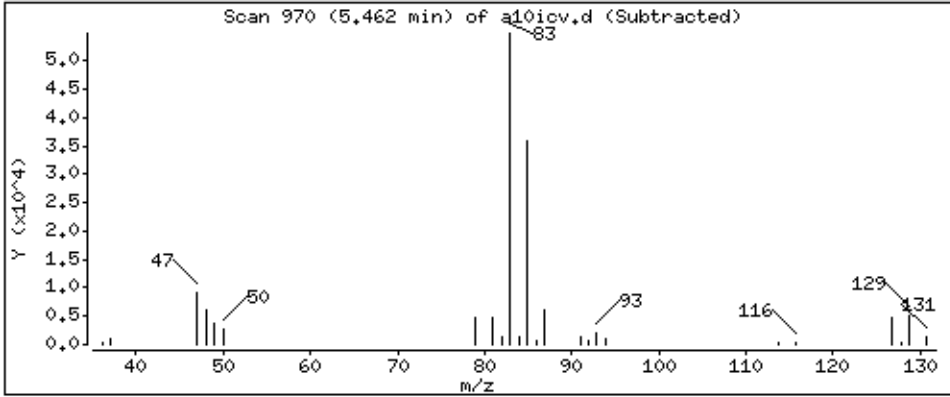
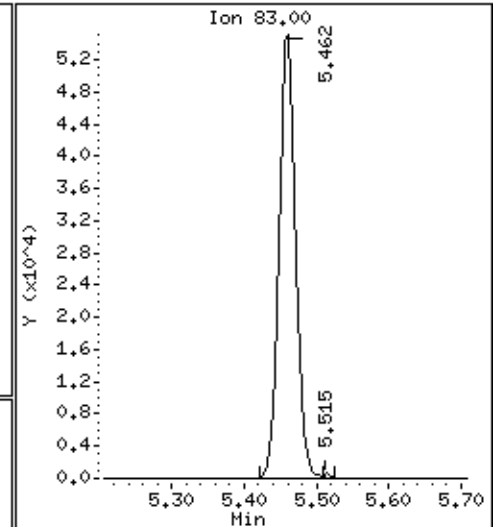
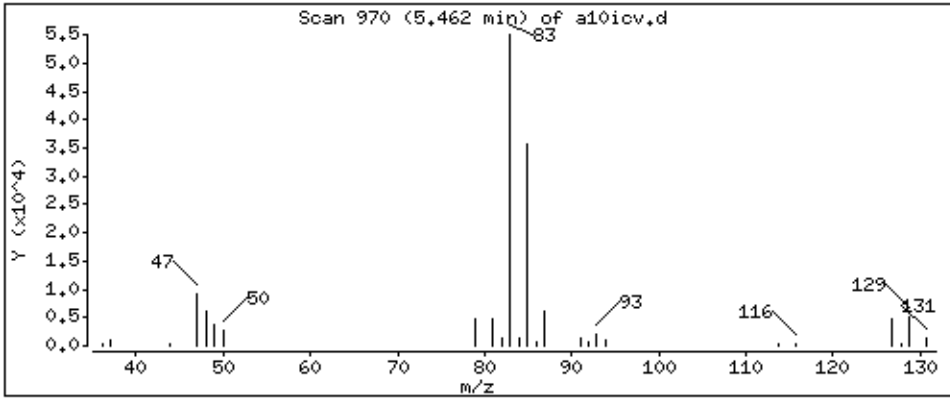
Operator: grm

Column phase: DB-624

Column diameter: 0,18

53 Bromodichloromethane

Concentration: 46,7 ppb



Date : 19-JUN-2014 18:51

Client ID: 8260-ICV,71105:0

Instrument: 50mv1a.i

Sample Info: 8260-ICV,71105:0

Purge Volume: 5.0

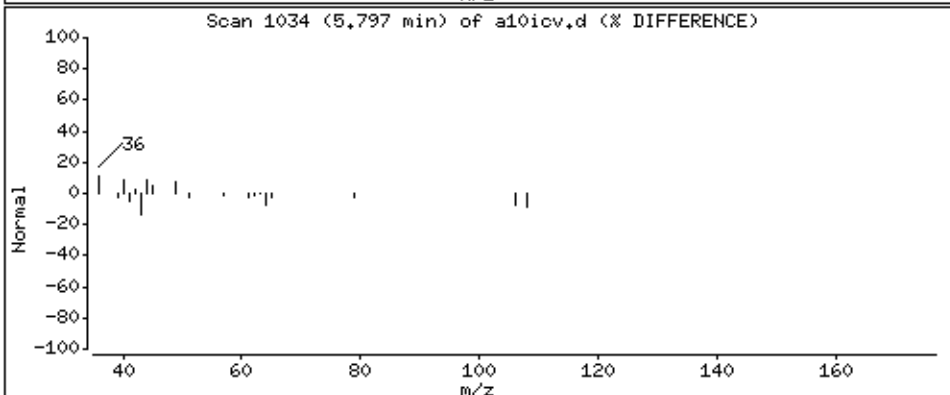
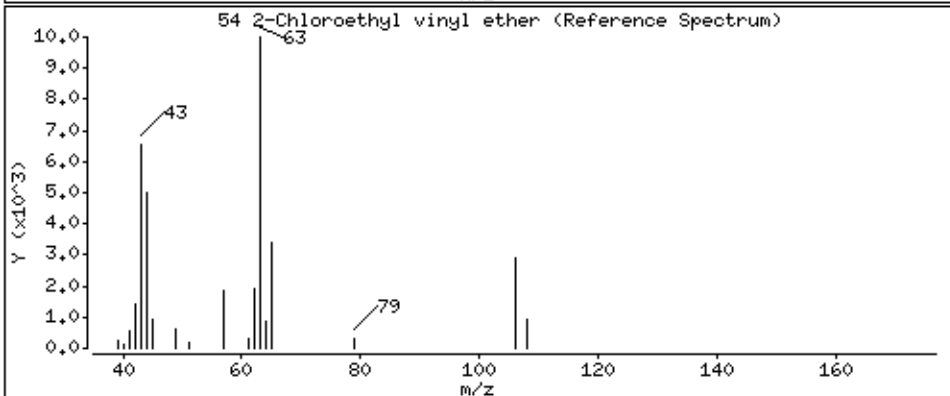
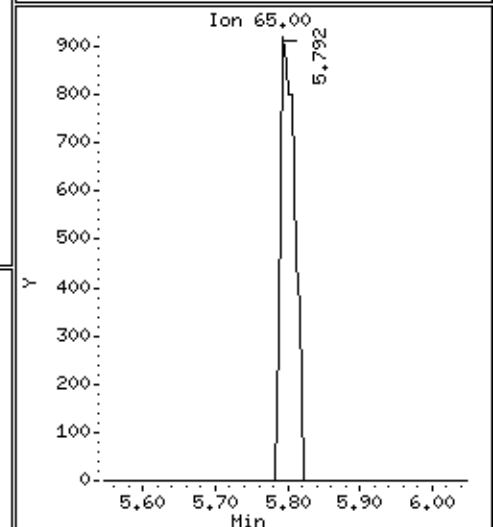
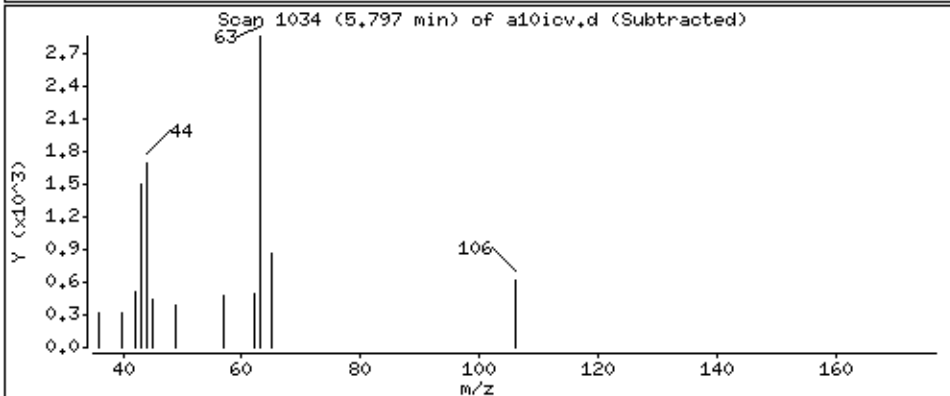
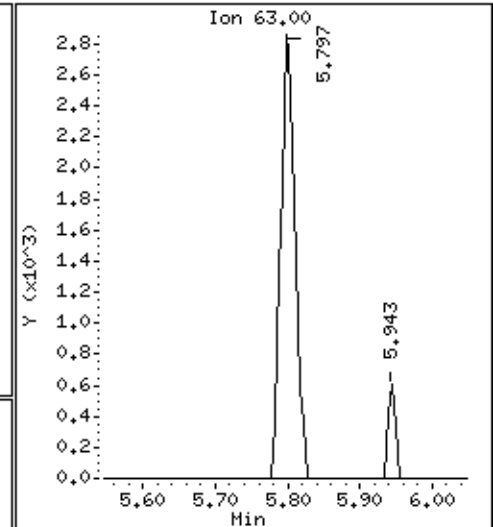
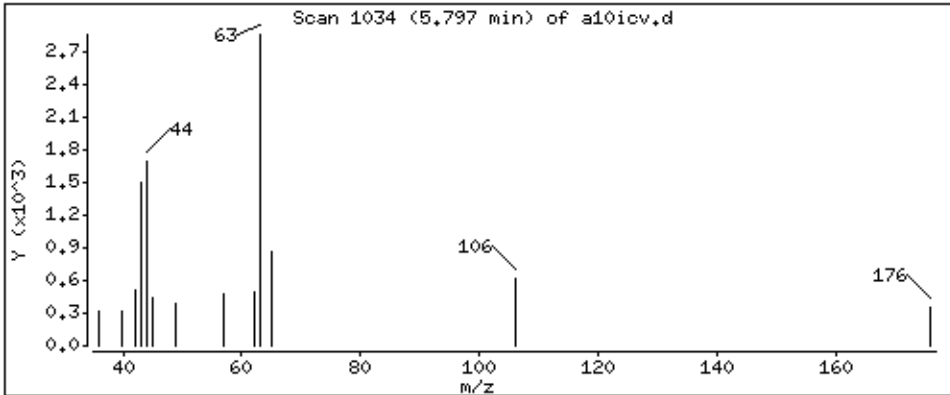
Operator: grm

Column phase: DB-624

Column diameter: 0,18

54 2-Chloroethyl vinyl ether

Concentration: 47.1 ppb



Date : 19-JUN-2014 18:51

Client ID: 8260-ICV,71105;0

Instrument: 50mv1a.i

Sample Info: 8260-ICV,71105;0

Purge Volume: 5.0

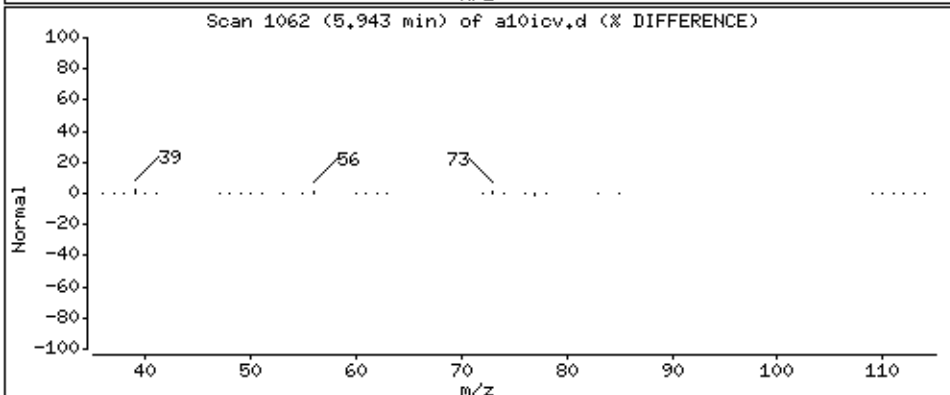
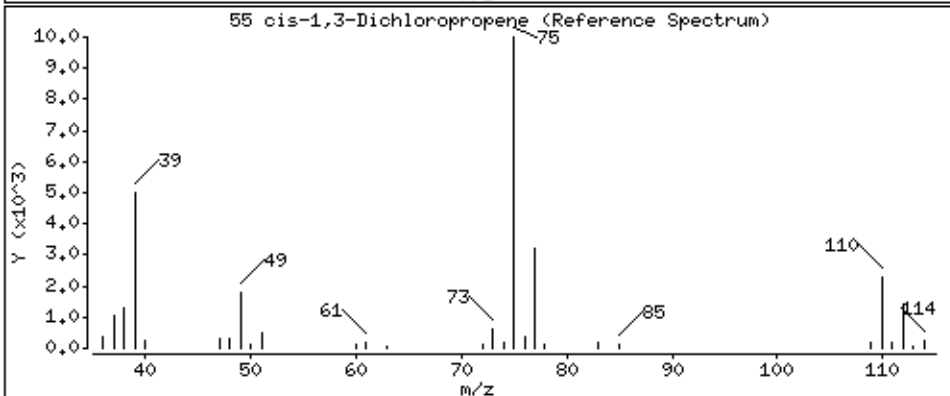
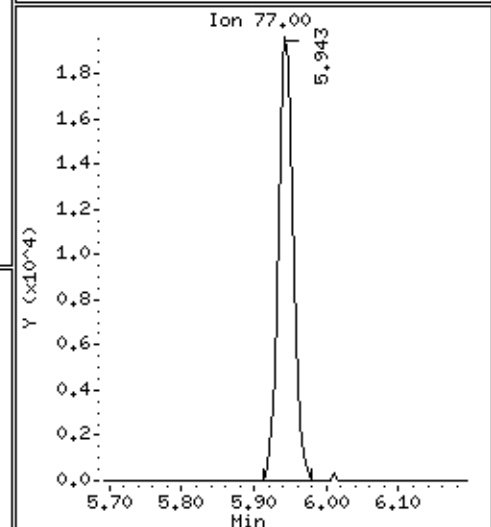
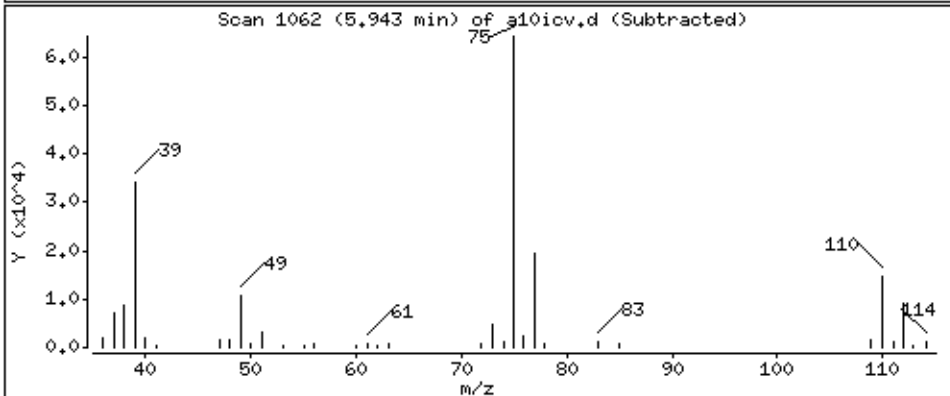
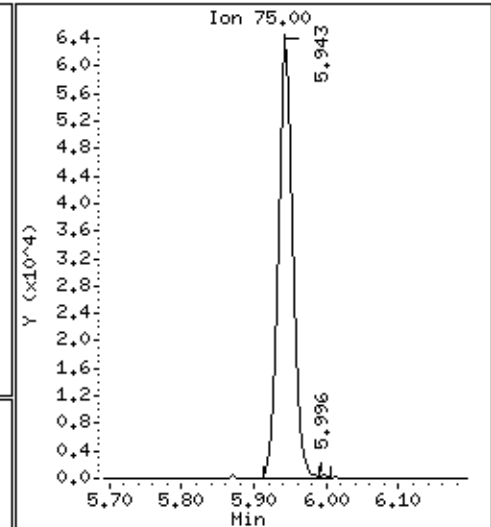
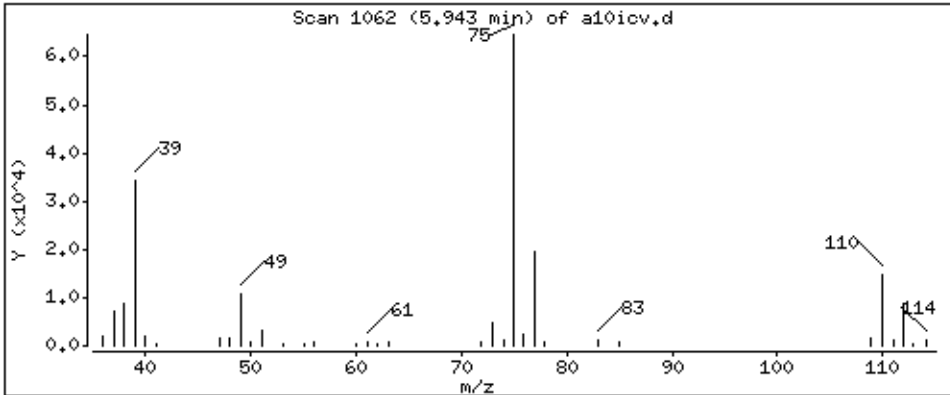
Operator: grm

Column phase: DB-624

Column diameter: 0,18

55 cis-1,3-Dichloropropene

Concentration: 48,0 ppb



Date : 19-JUN-2014 18:51

Client ID: 8260-ICV,71105:0

Instrument: 50mv1a.i

Sample Info: 8260-ICV,71105:0

Purge Volume: 5.0

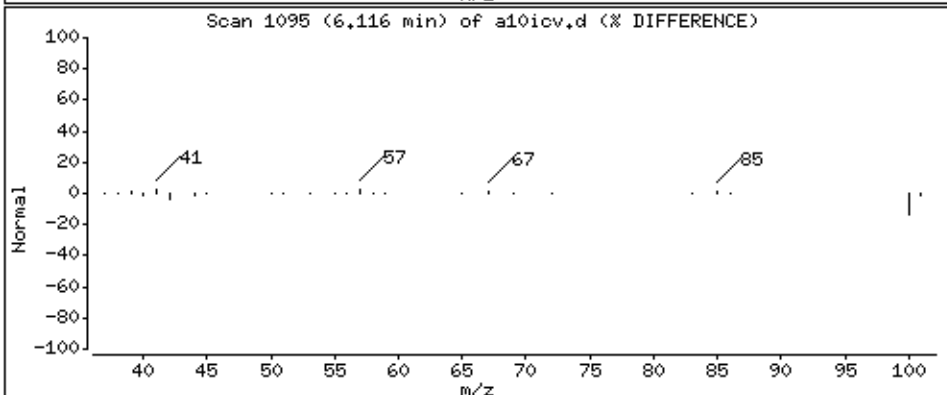
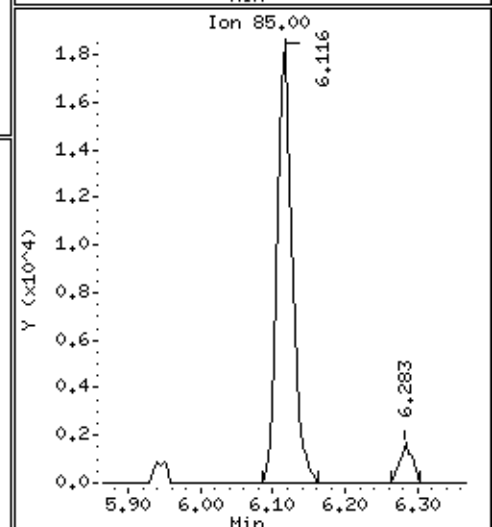
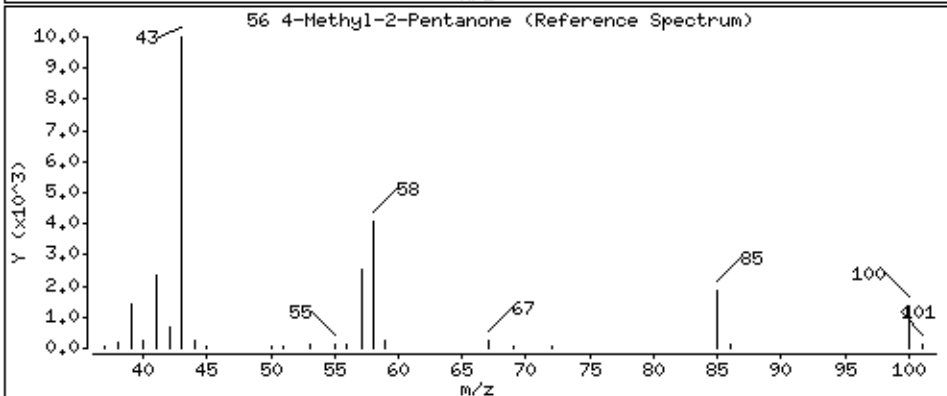
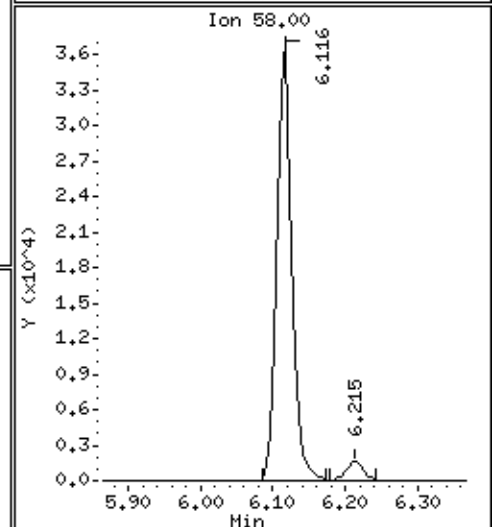
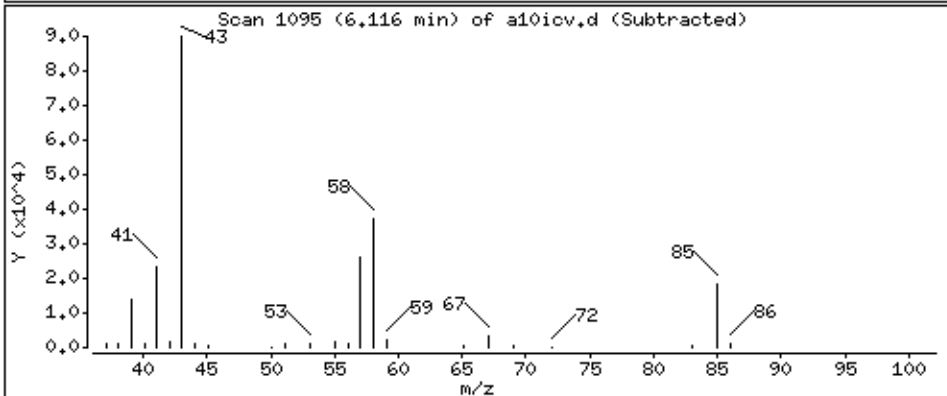
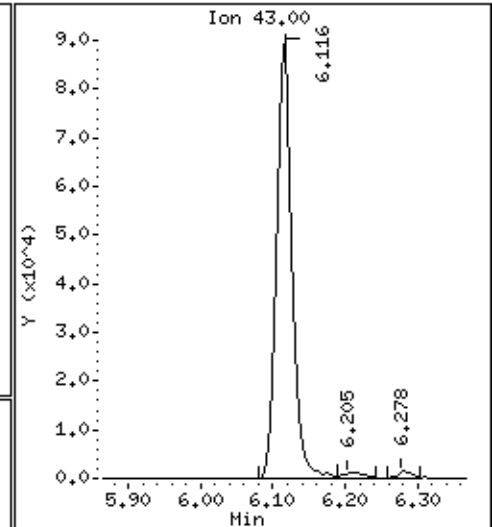
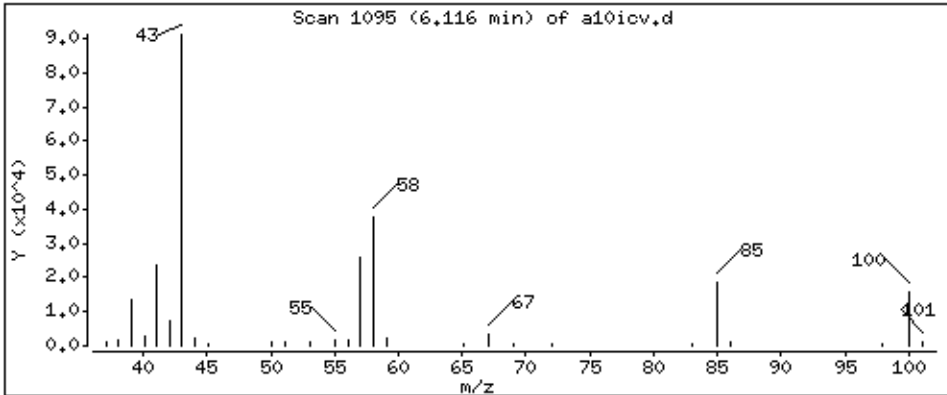
Operator: grm

Column phase: DB-624

Column diameter: 0,18

56 4-Methyl-2-Pentanone

Concentration: 255 ppb



Date : 19-JUN-2014 18:51

Client ID: 8260-ICV,71105:0

Instrument: 50mv1a.i

Sample Info: 8260-ICV,71105:0

Purge Volume: 5.0

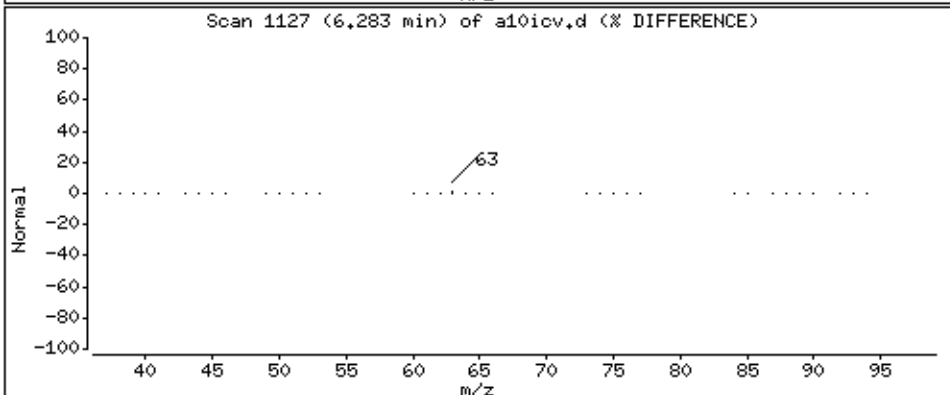
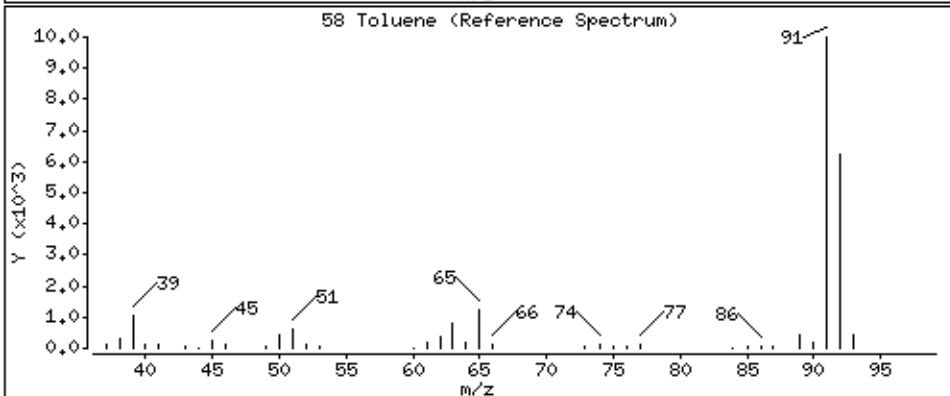
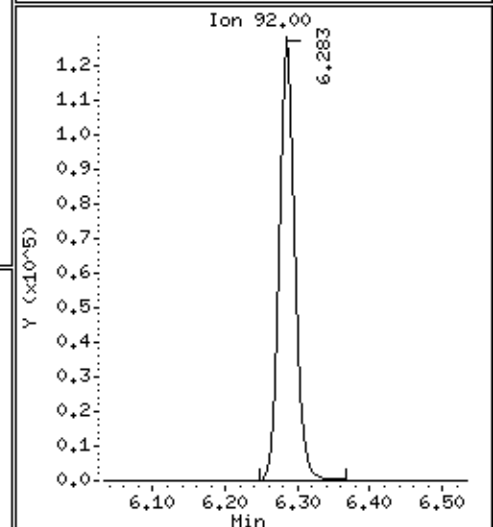
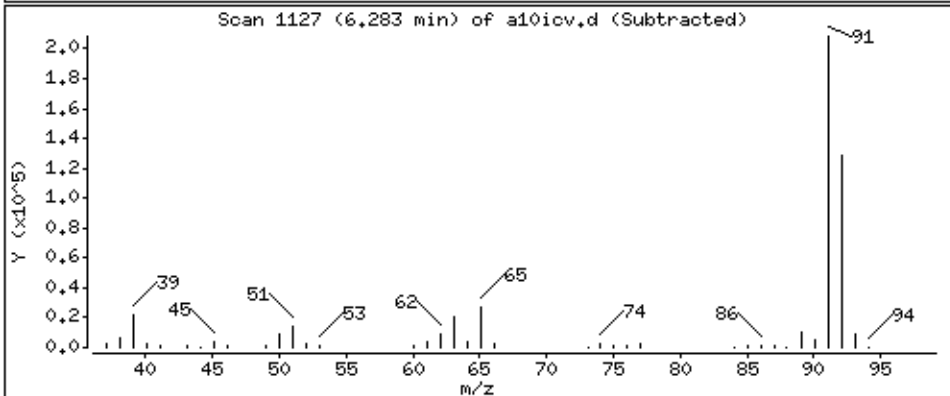
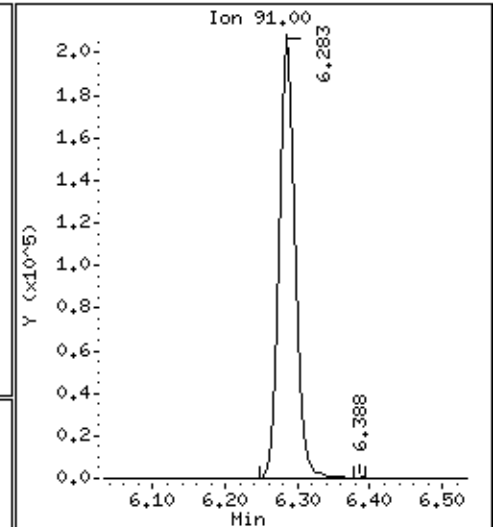
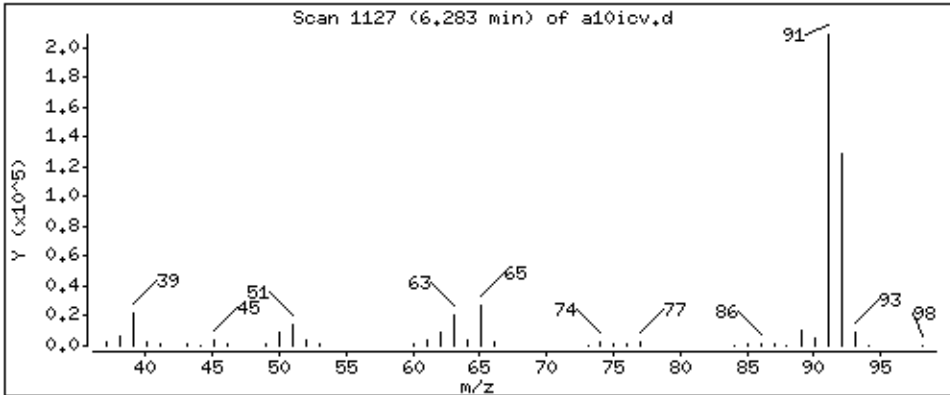
Operator: grm

Column phase: DB-624

Column diameter: 0,18

58 Toluene

Concentration: 47.3 ppb



Date : 19-JUN-2014 18:51

Client ID: 8260-ICV,71105:0

Instrument: 50mv1a.i

Sample Info: 8260-ICV,71105:0

Purge Volume: 5.0

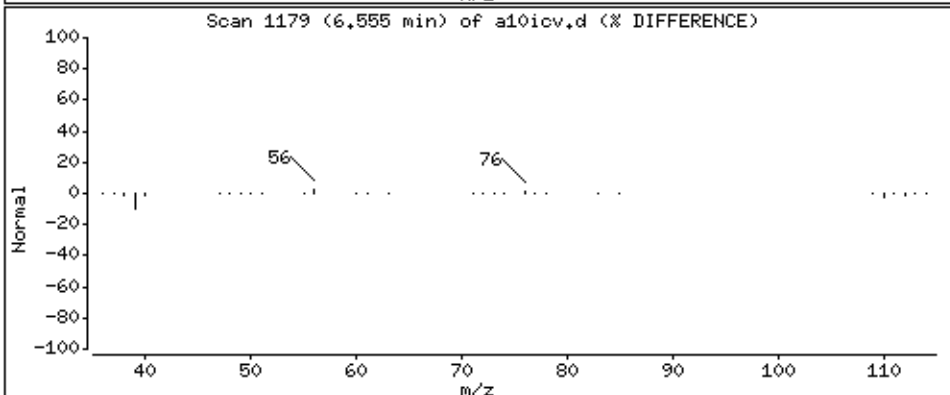
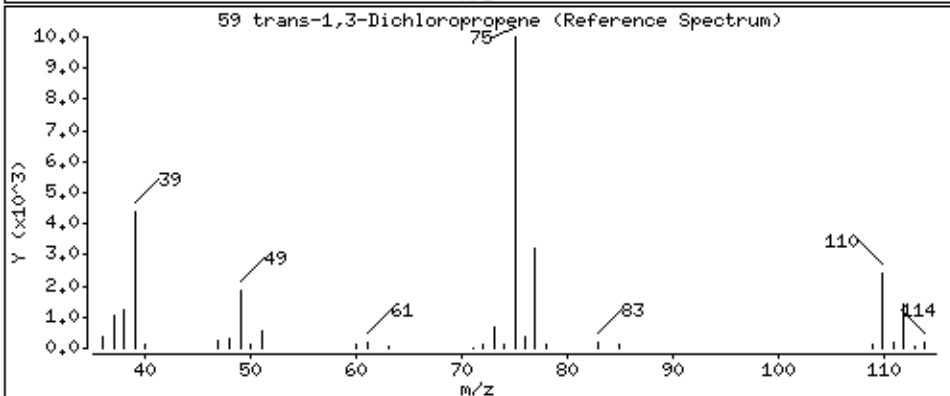
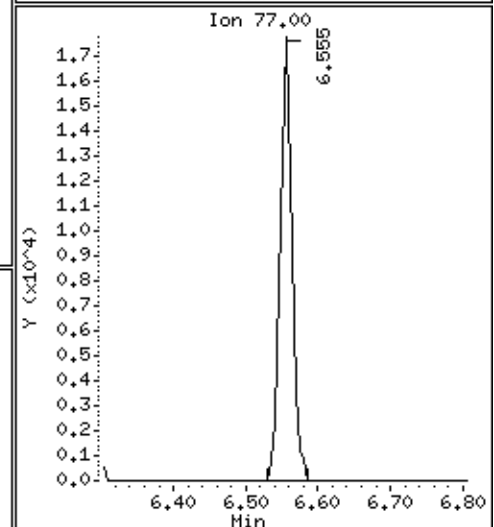
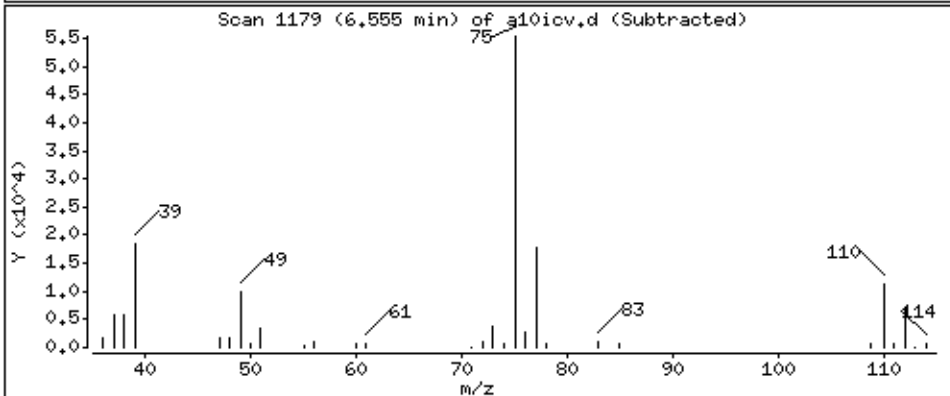
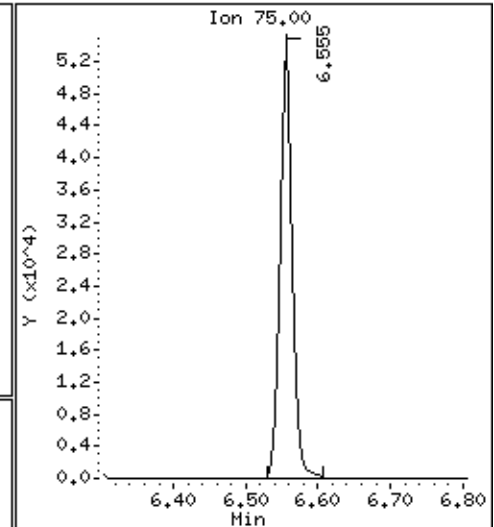
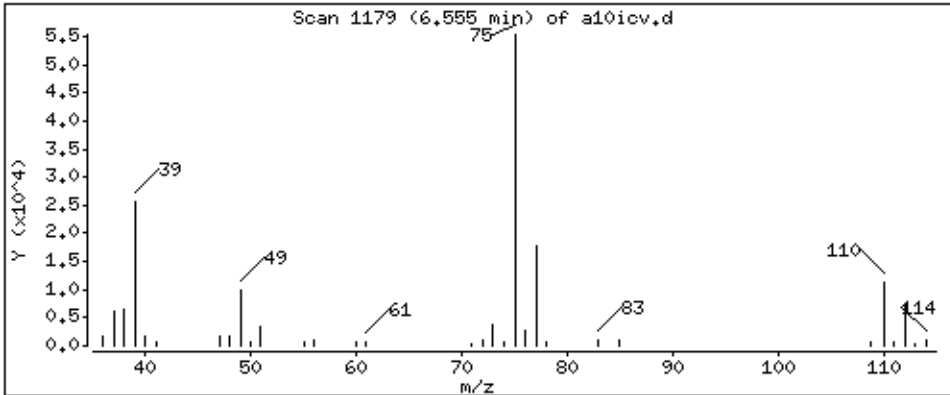
Operator: grm

Column phase: DB-624

Column diameter: 0,18

59 trans-1,3-Dichloropropene

Concentration: 42.2 ppb



Date : 19-JUN-2014 18:51

Client ID: 8260-ICV,71105:0

Instrument: 50mv1a.i

Sample Info: 8260-ICV,71105:0

Purge Volume: 5.0

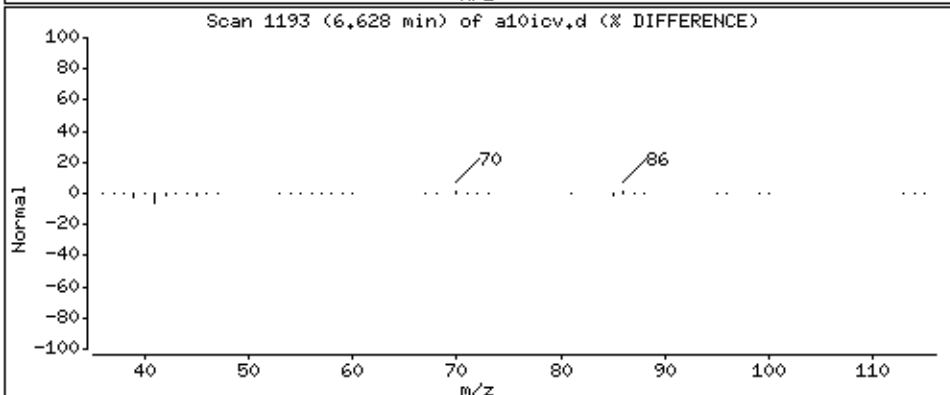
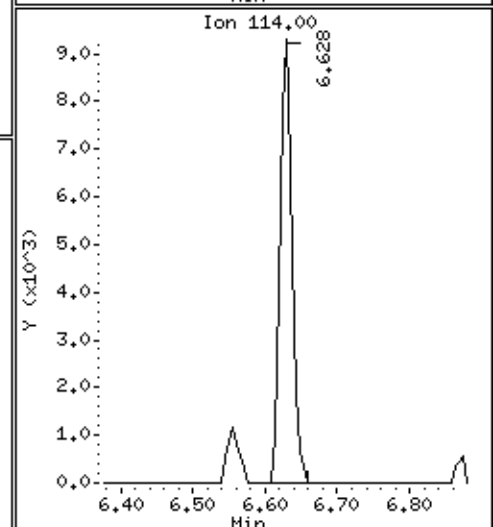
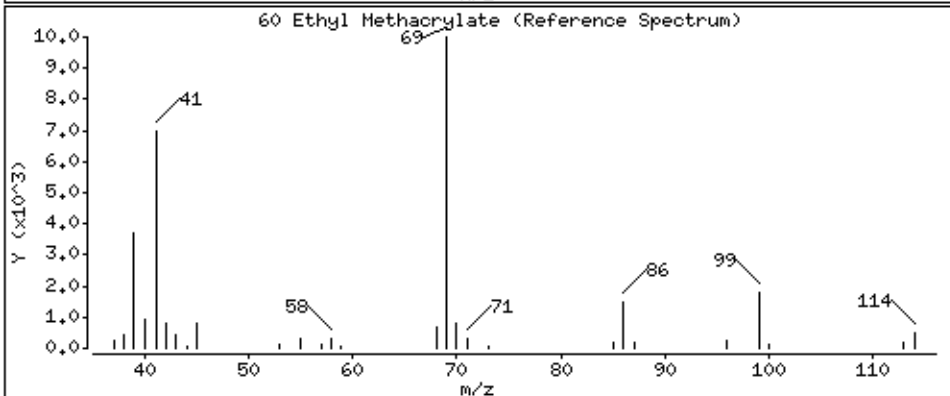
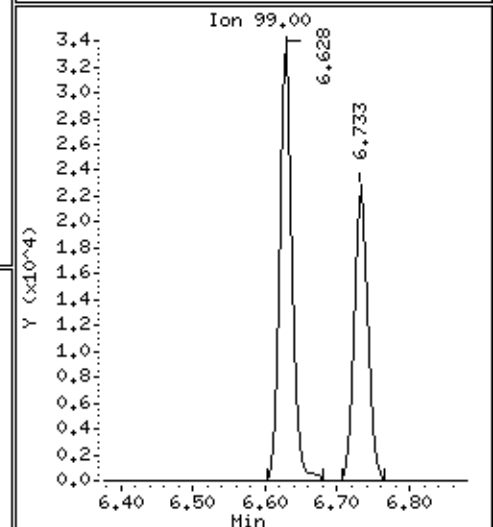
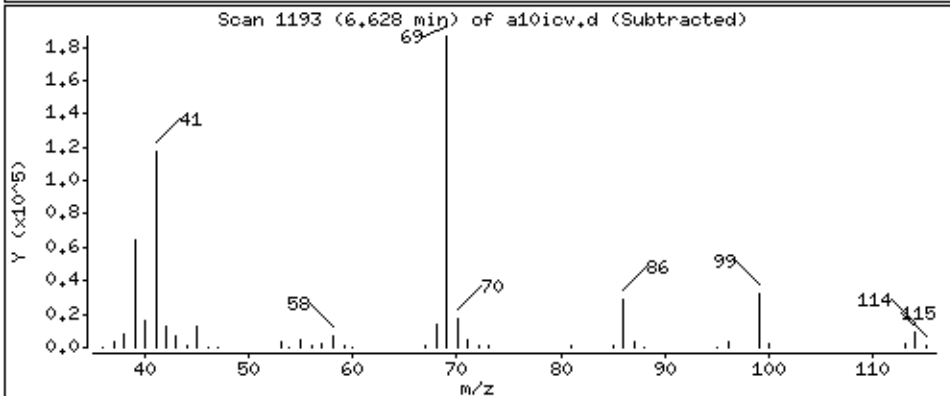
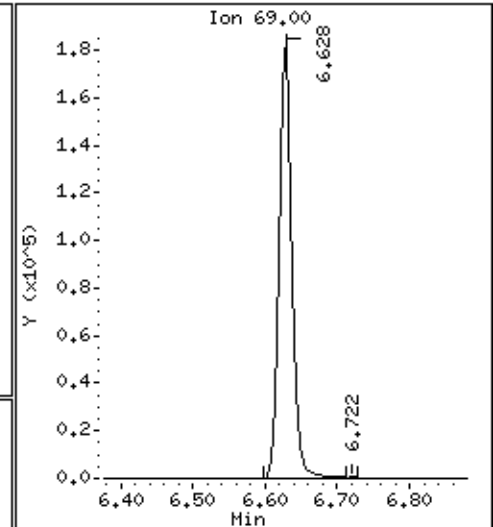
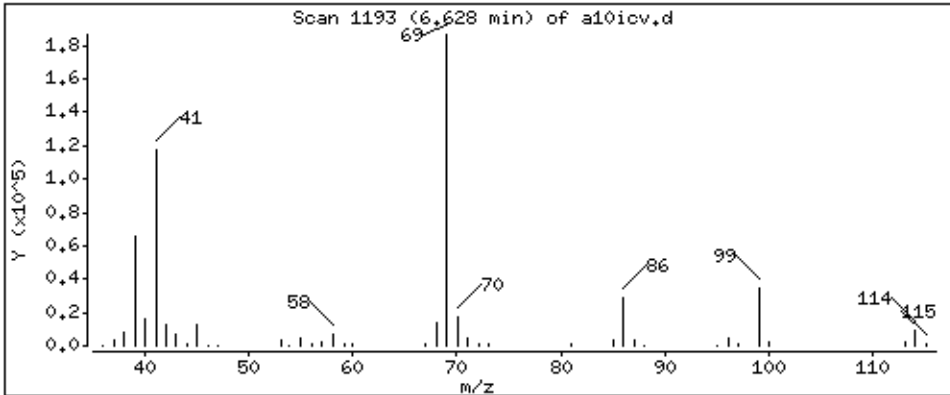
Operator: grm

Column phase: DB-624

Column diameter: 0,18

60 Ethyl Methacrylate

Concentration: 206 ppb



Date : 19-JUN-2014 18:51

Client ID: 8260-ICV,71105:0

Instrument: 50mv1a.i

Sample Info: 8260-ICV,71105:0

Purge Volume: 5.0

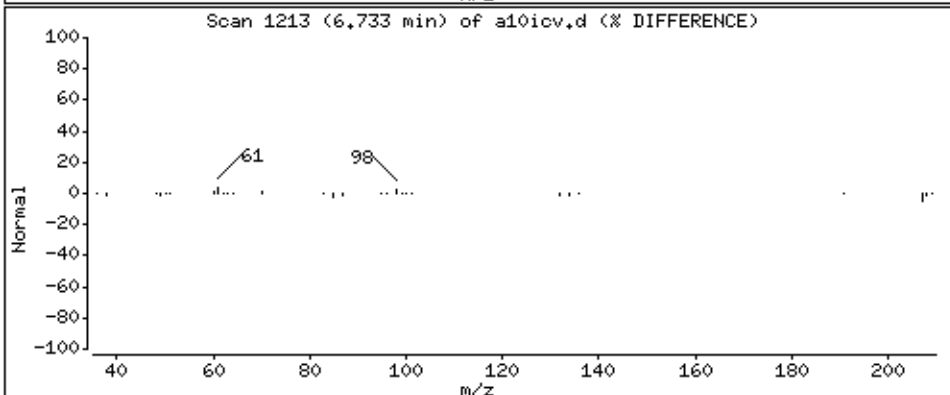
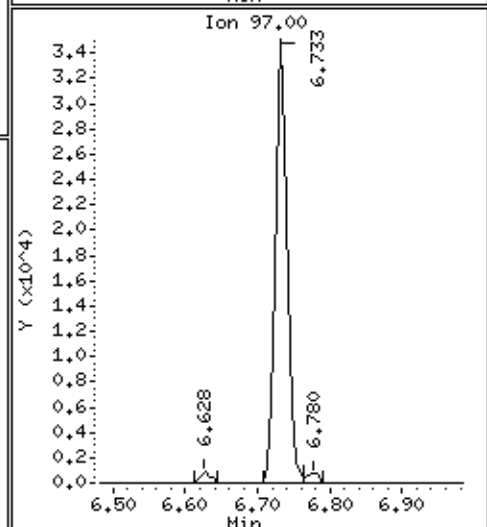
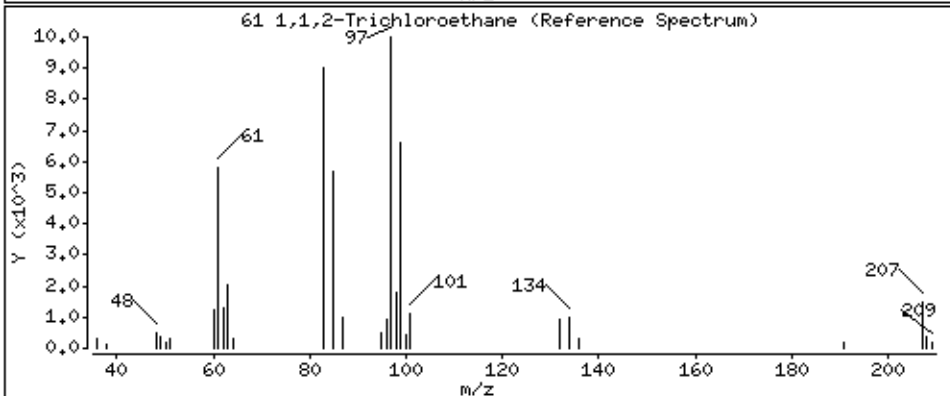
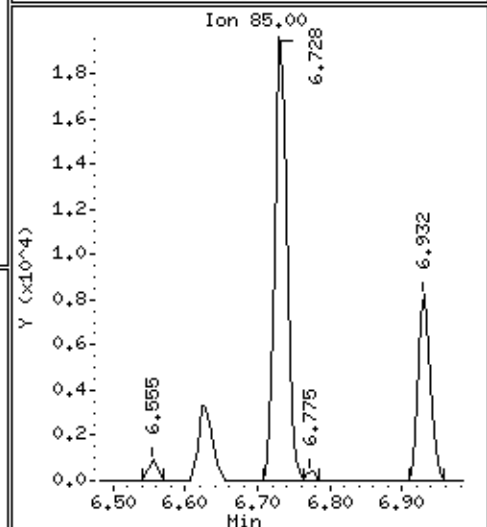
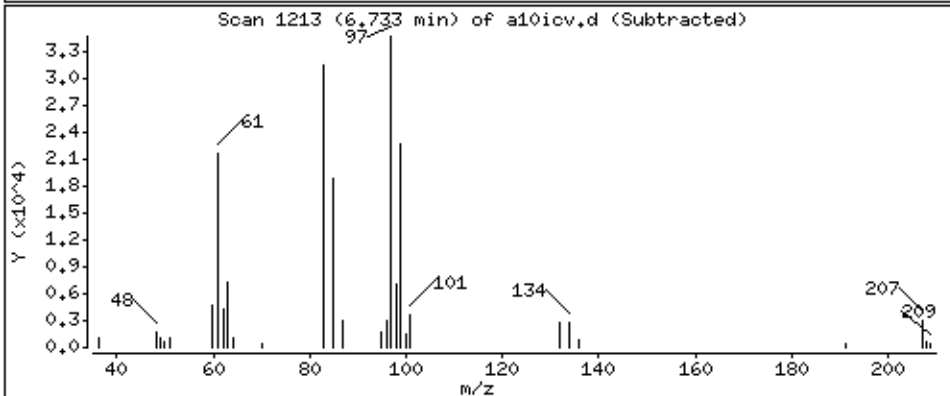
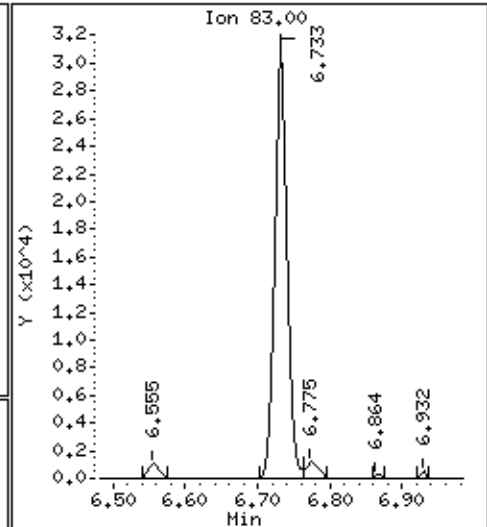
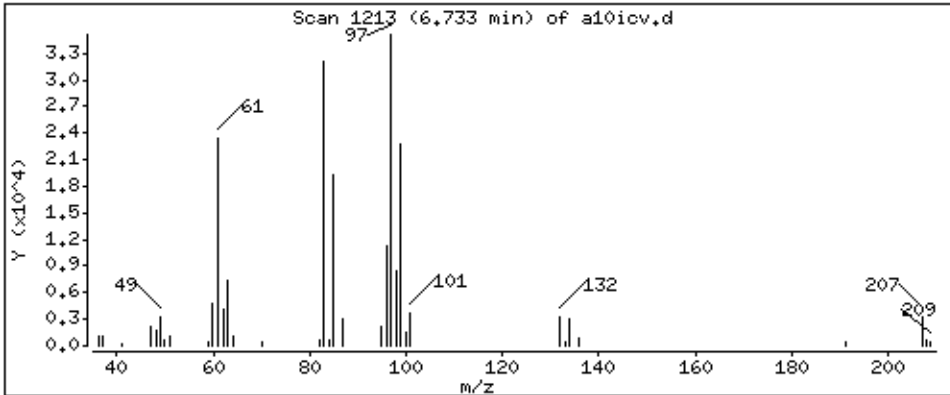
Operator: grm

Column phase: DB-624

Column diameter: 0,18

61 1,1,2-Trichloroethane

Concentration: 48,1 ppb



Date : 19-JUN-2014 18:51

Client ID: 8260-ICV,71105;0

Instrument: 50mv1a.i

Sample Info: 8260-ICV,71105;0

Purge Volume: 5.0

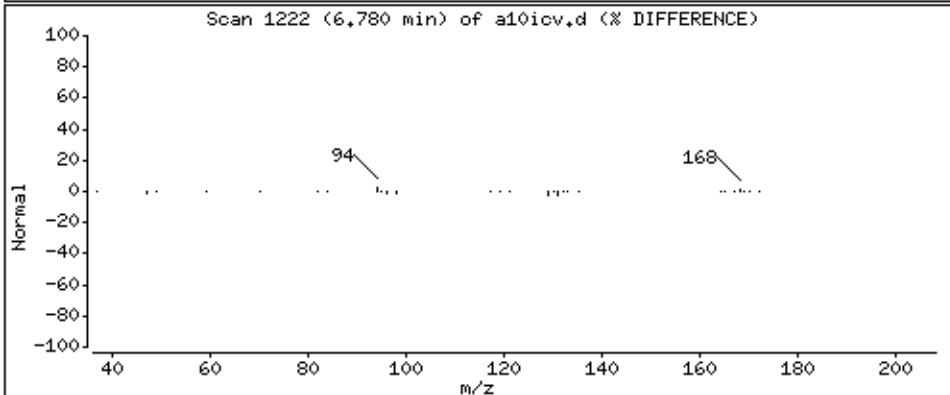
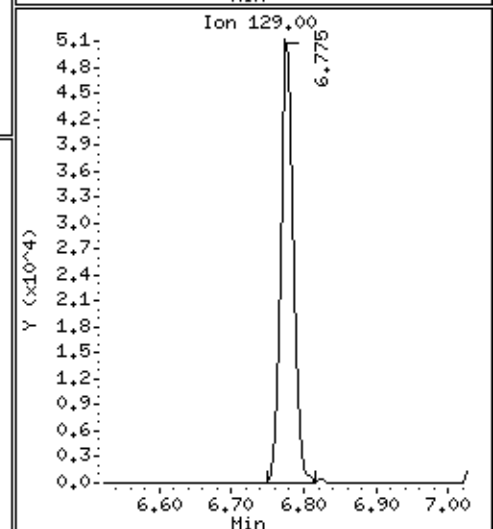
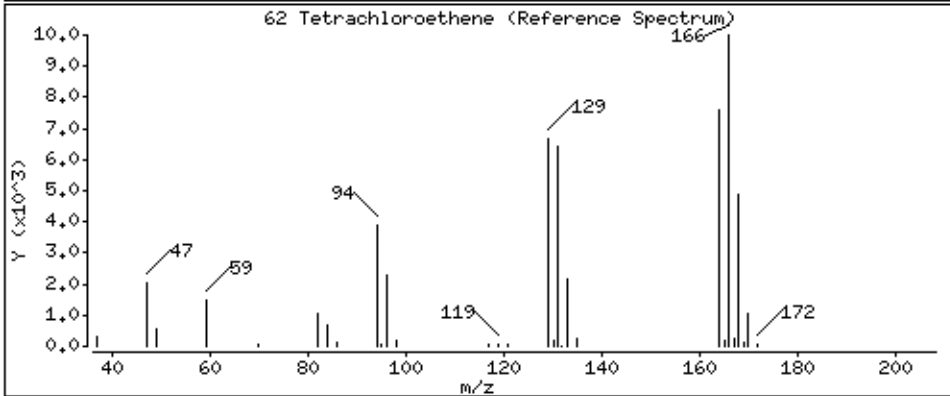
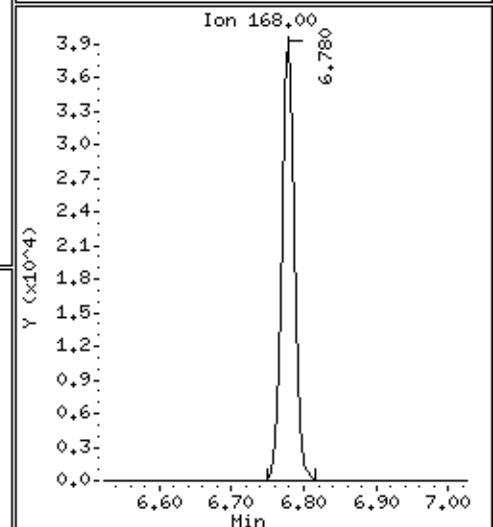
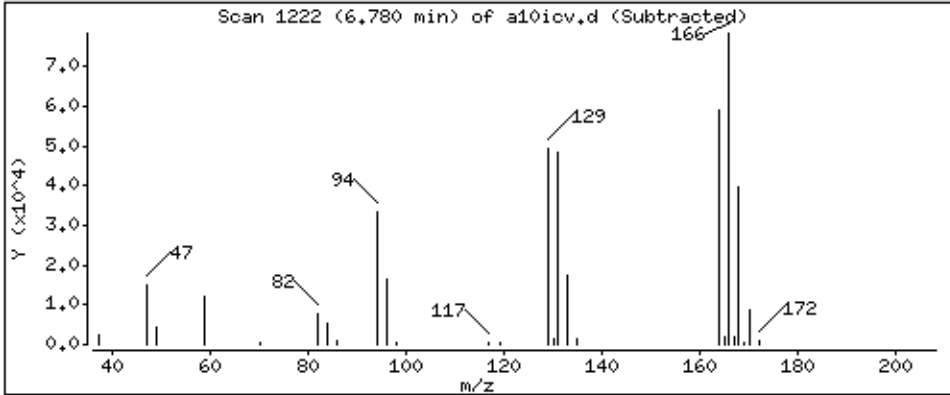
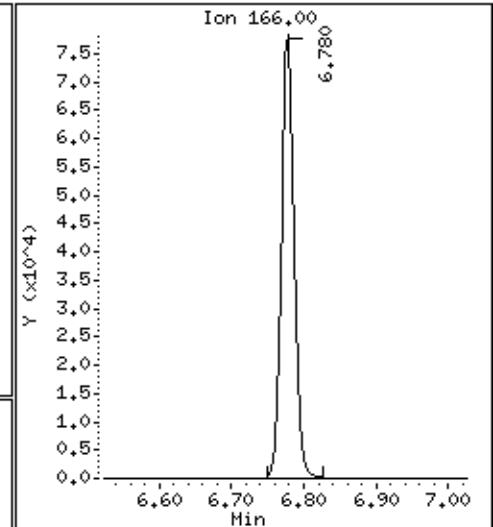
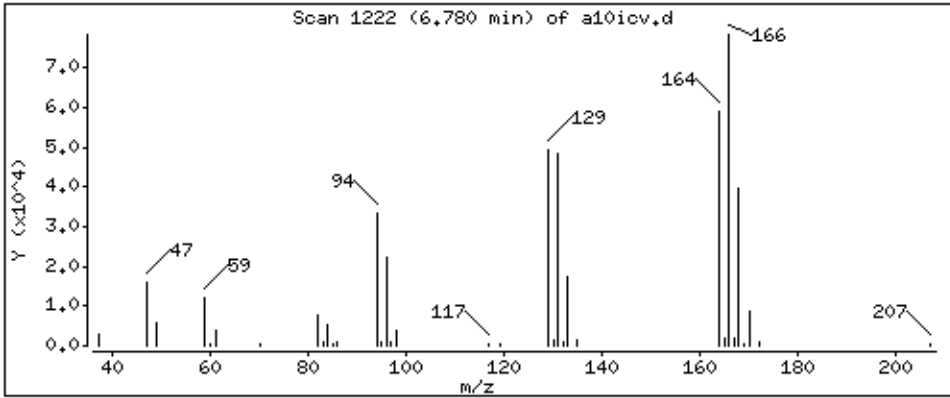
Operator: grm

Column phase: DB-624

Column diameter: 0,18

62 Tetrachloroethene

Concentration: 46.4 ppb



Date : 19-JUN-2014 18:51

Client ID: 8260-ICV,71105;0

Instrument: 50mv1a.i

Sample Info: 8260-ICV,71105;0

Purge Volume: 5.0

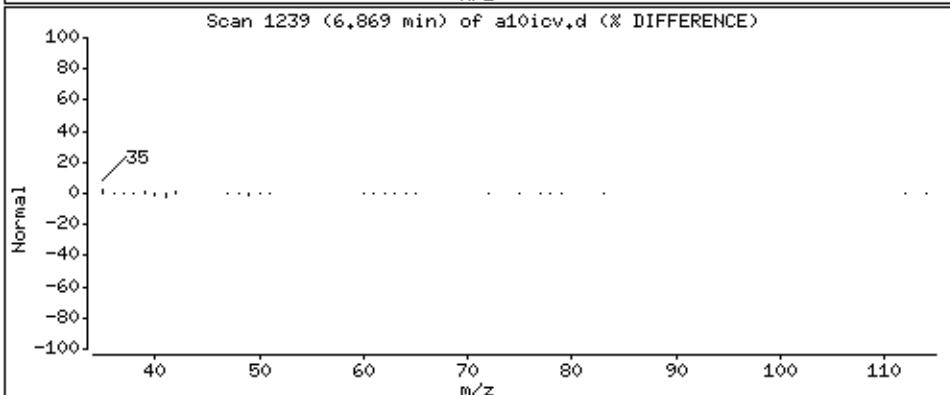
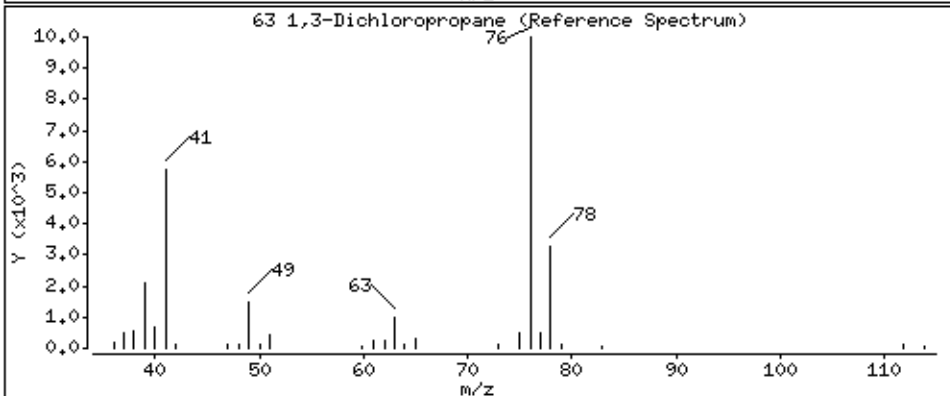
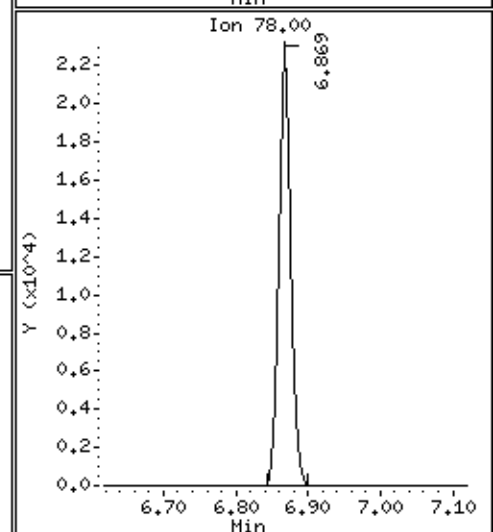
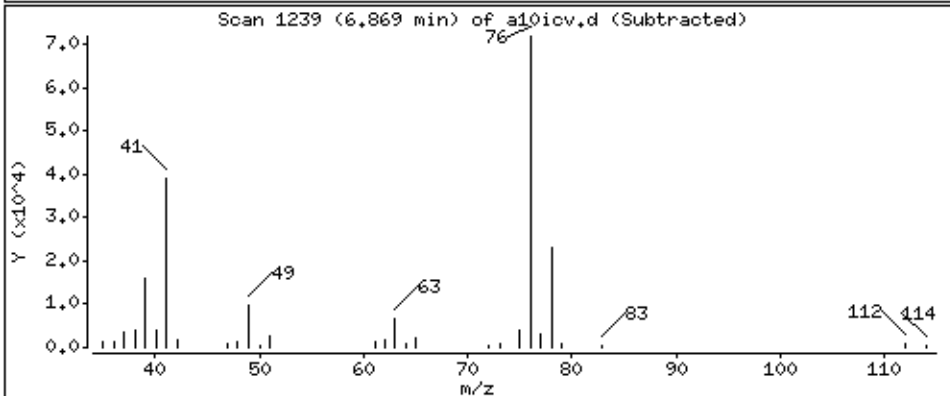
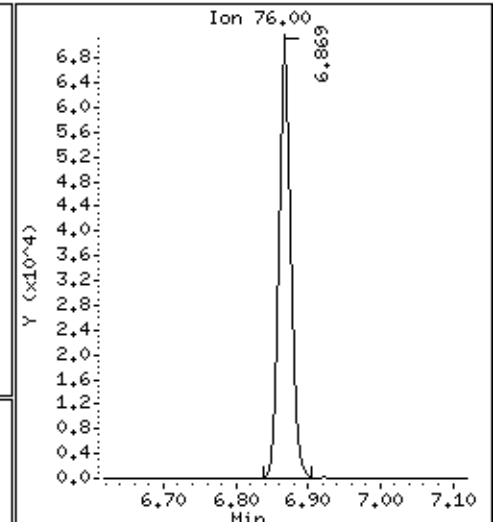
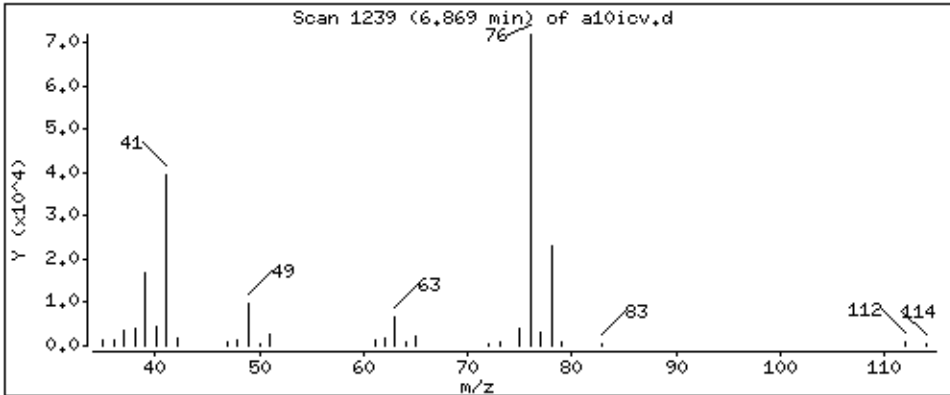
Operator: grm

Column phase: DB-624

Column diameter: 0,18

63 1,3-Dichloropropane

Concentration: 47.1 ppb



Date : 19-JUN-2014 18:51

Client ID: 8260-ICV,71105:0

Instrument: 50mv1a.i

Sample Info: 8260-ICV,71105:0

Purge Volume: 5.0

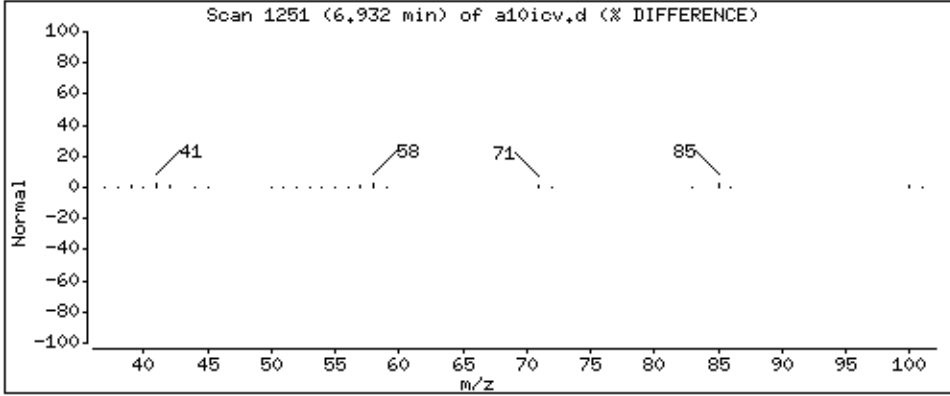
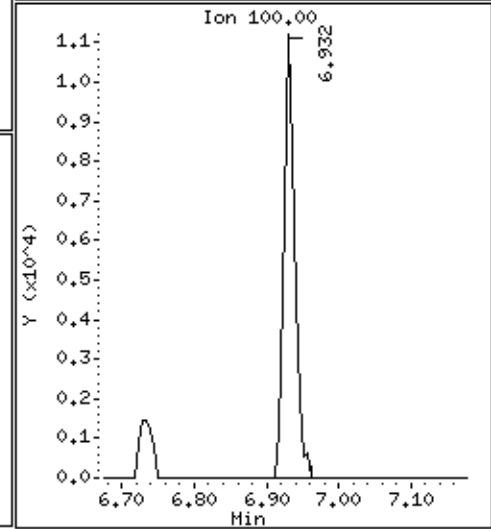
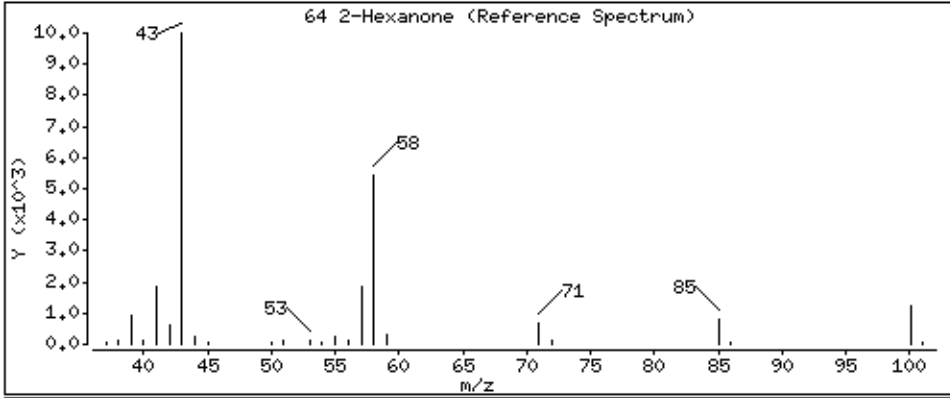
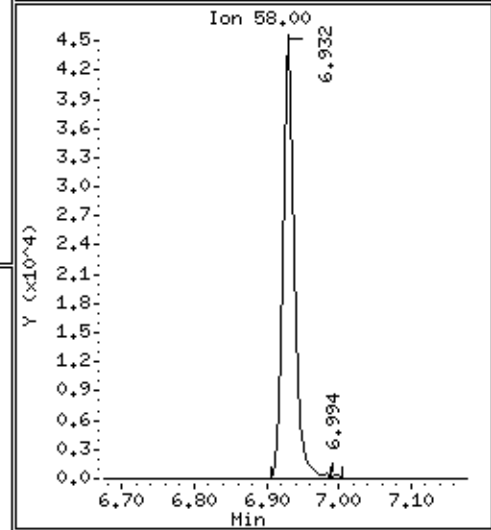
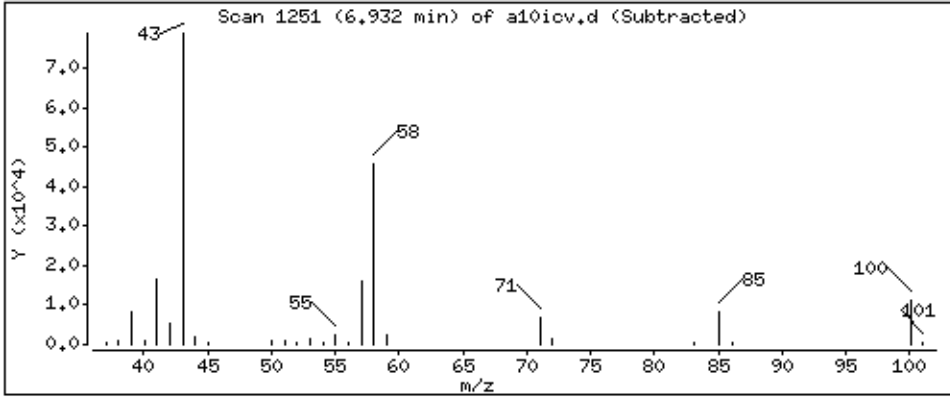
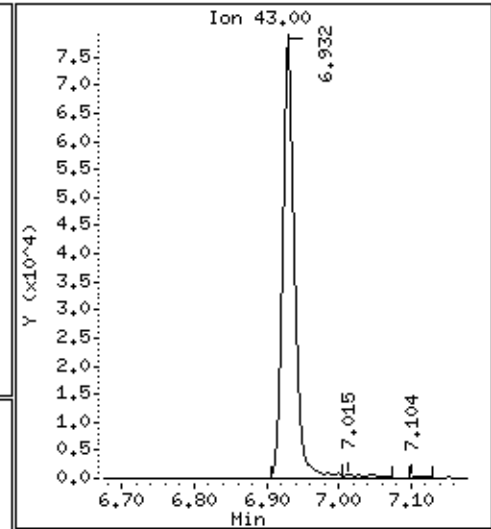
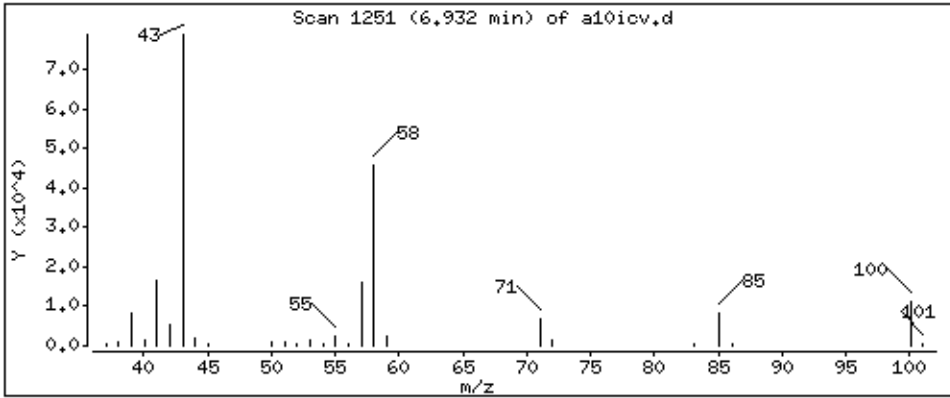
Operator: grm

Column phase: DB-624

Column diameter: 0,18

64 2-Hexanone

Concentration: 251 ppb



Date : 19-JUN-2014 18:51

Client ID: 8260-ICV,71105;0

Instrument: 50mv1a.i

Sample Info: 8260-ICV,71105;0

Purge Volume: 5.0

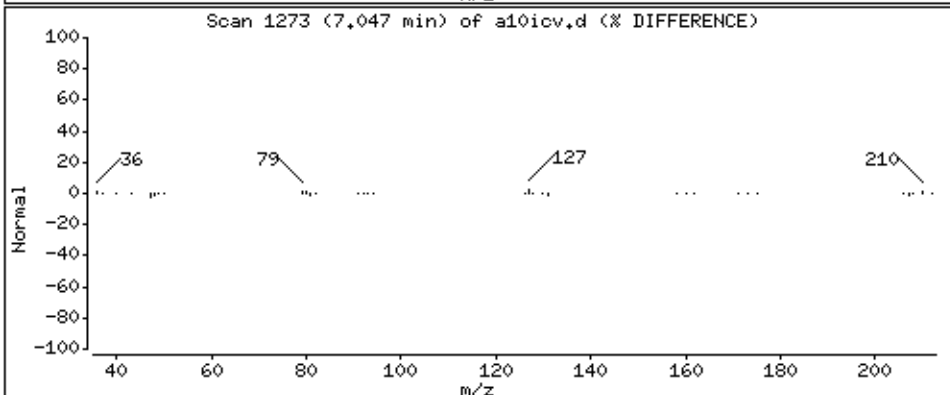
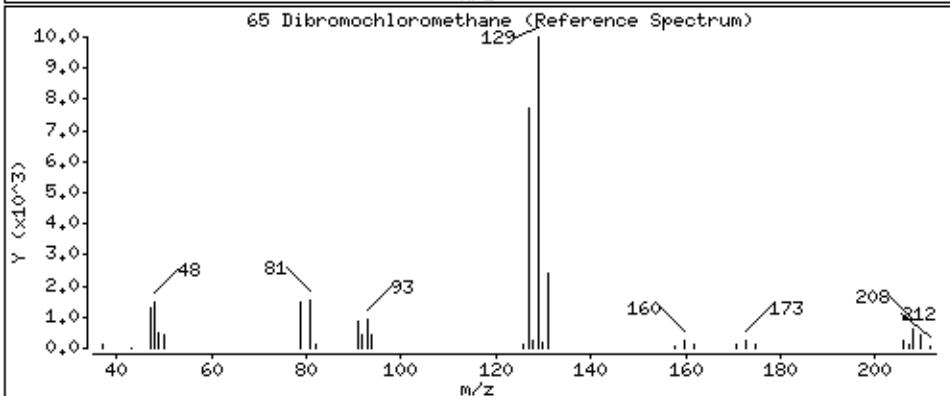
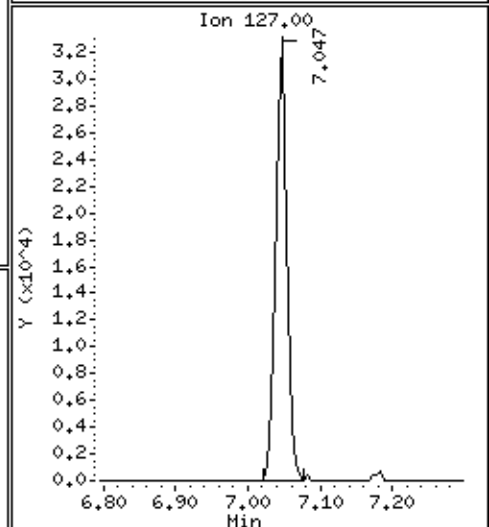
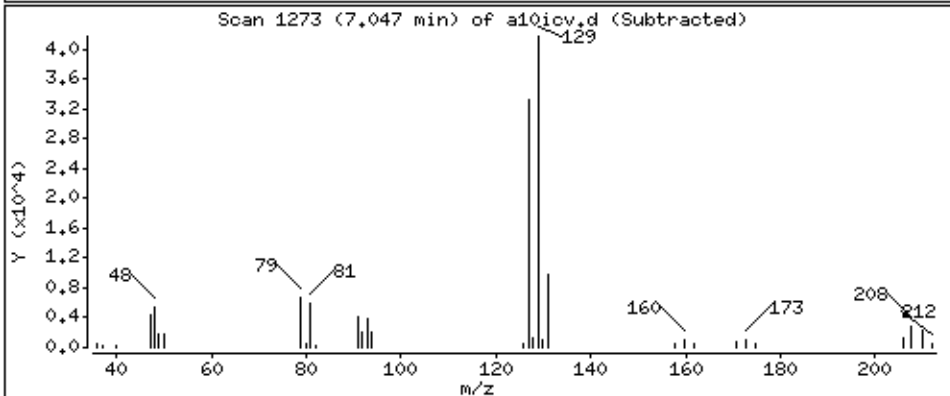
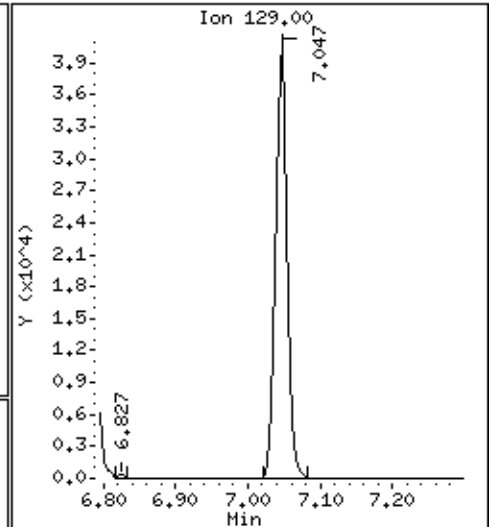
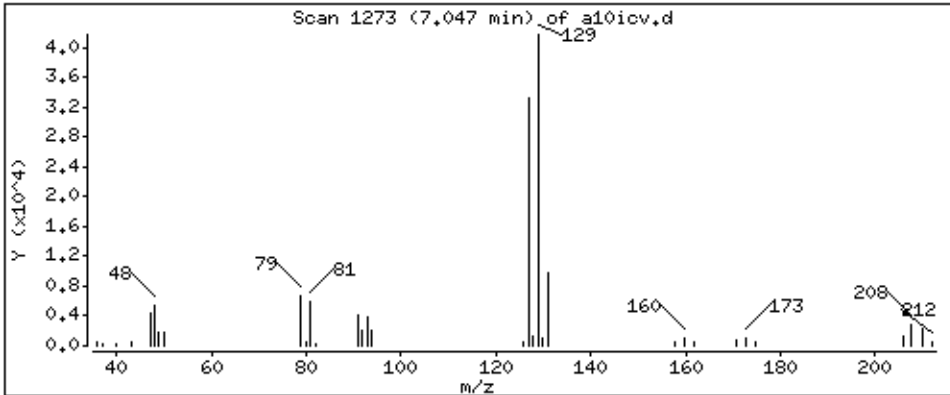
Operator: grm

Column phase: DB-624

Column diameter: 0,18

65 Dibromochloromethane

Concentration: 46,9 ppb



Date : 19-JUN-2014 18:51

Client ID: 8260-ICV,71105:0

Instrument: 50mv1a.i

Sample Info: 8260-ICV,71105:0

Purge Volume: 5.0

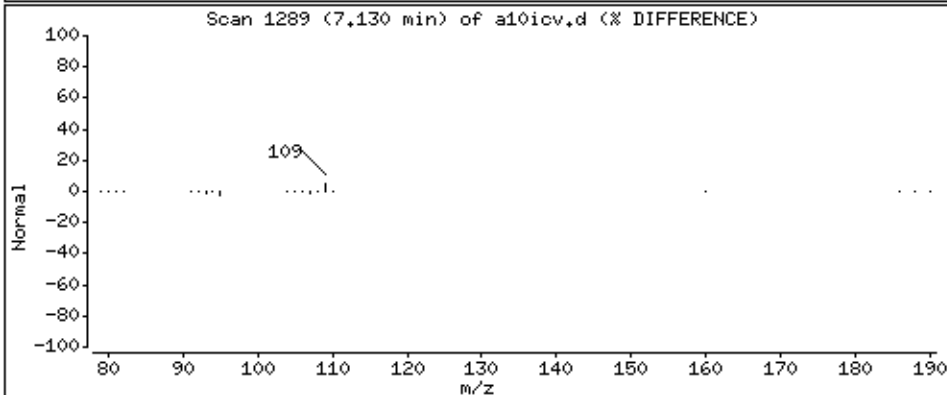
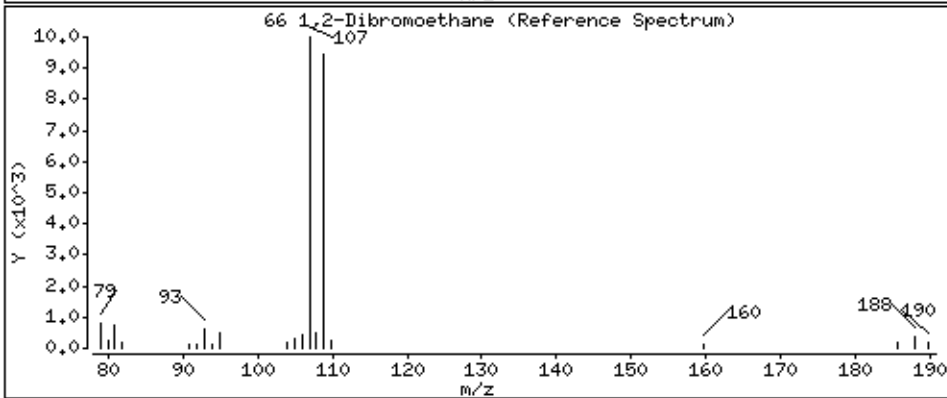
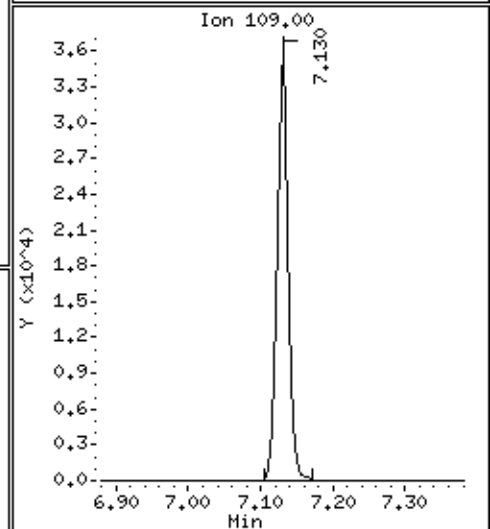
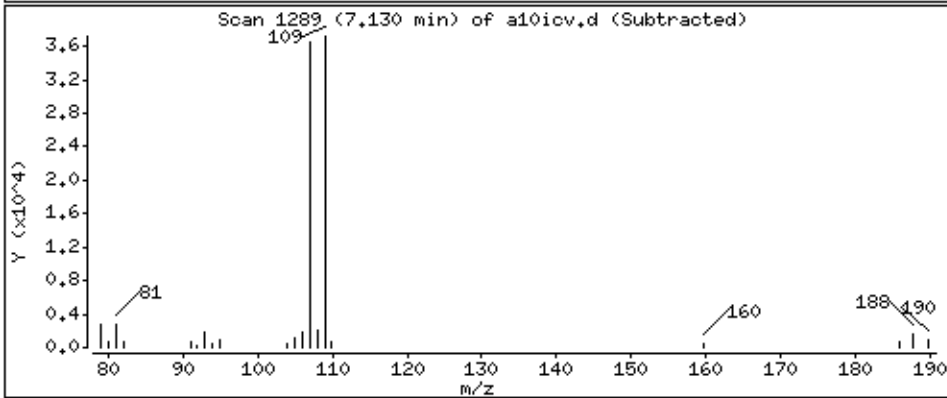
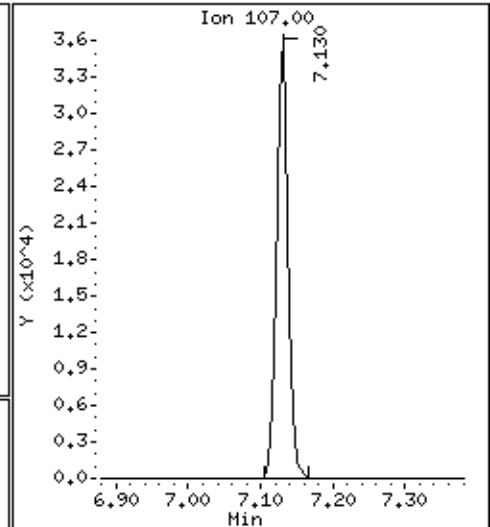
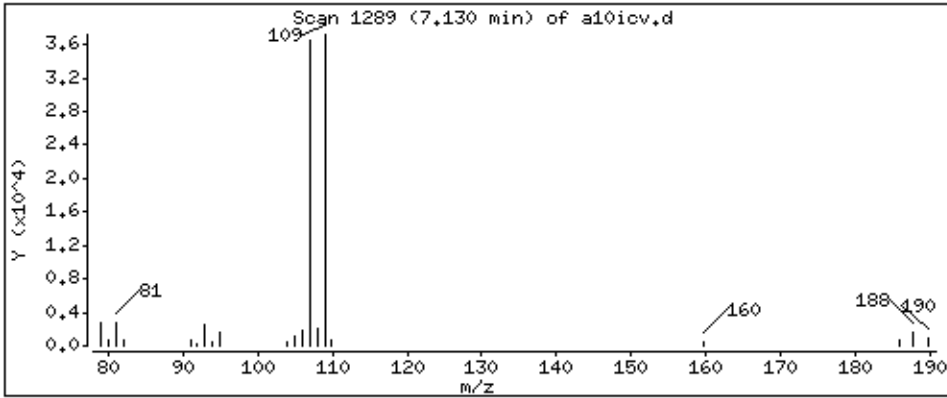
Operator: grm

Column phase: DB-624

Column diameter: 0,18

66 1,2-Dibromoethane

Concentration: 48,2 ppb



Date : 19-JUN-2014 18:51

Client ID: 8260-ICV,71105:0

Instrument: 50mv1a.i

Sample Info: 8260-ICV,71105:0

Purge Volume: 5.0

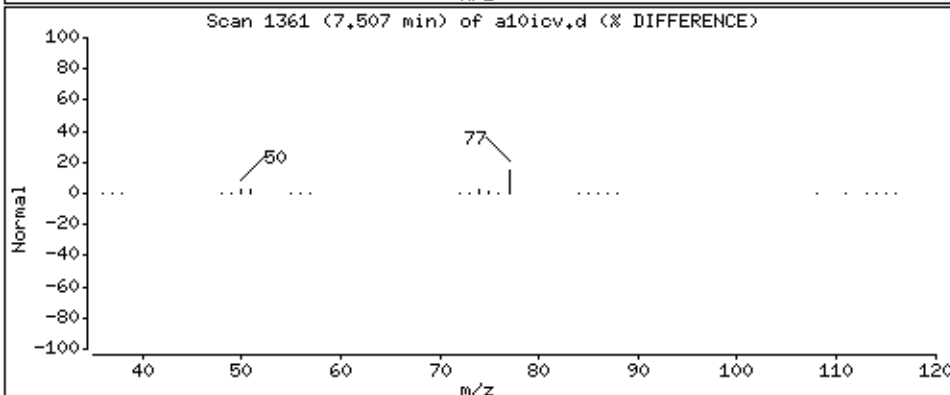
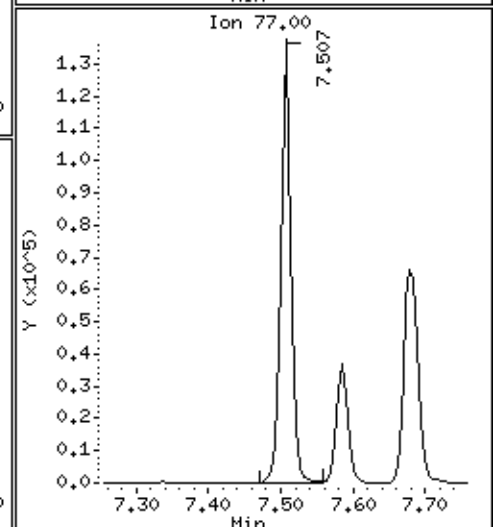
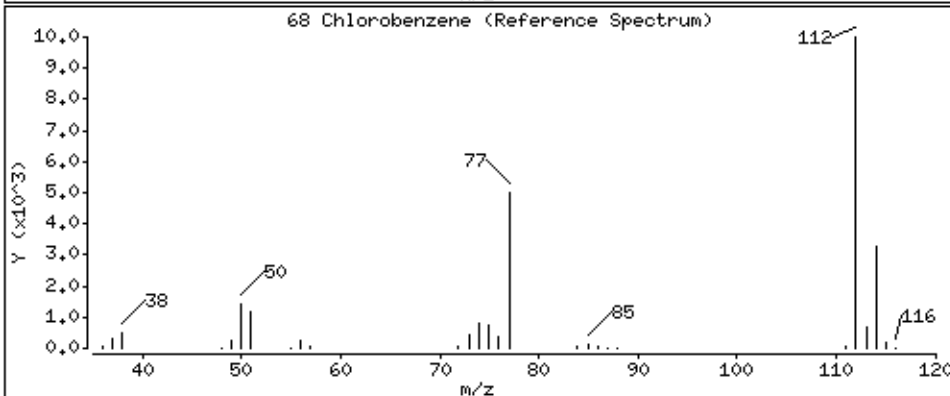
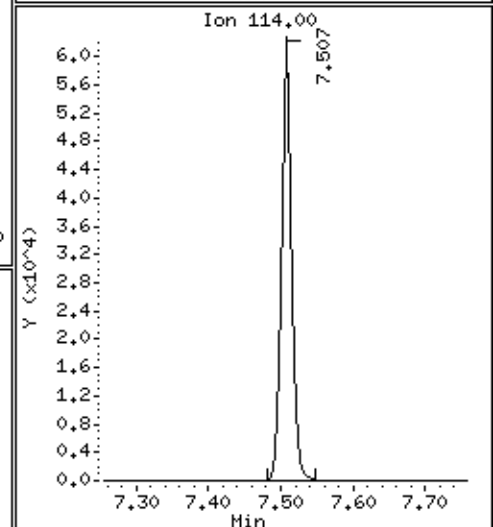
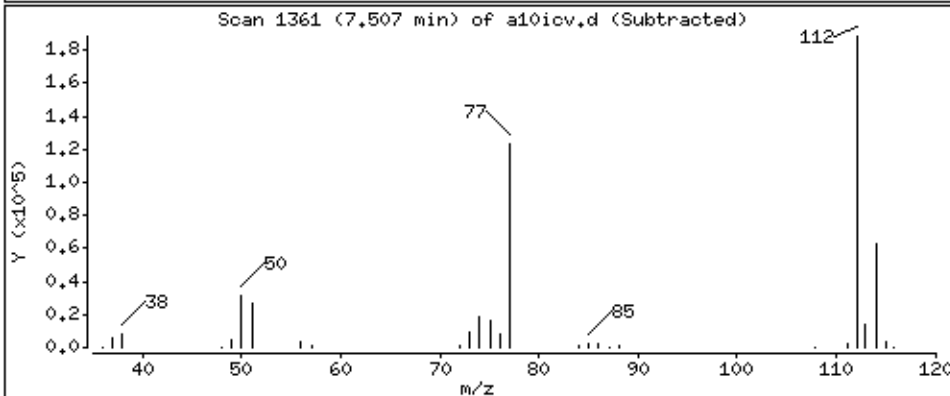
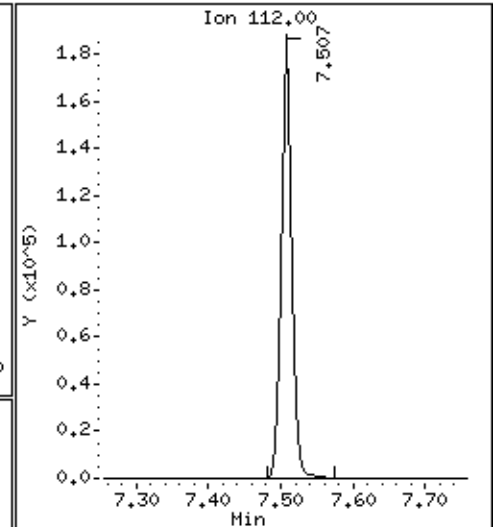
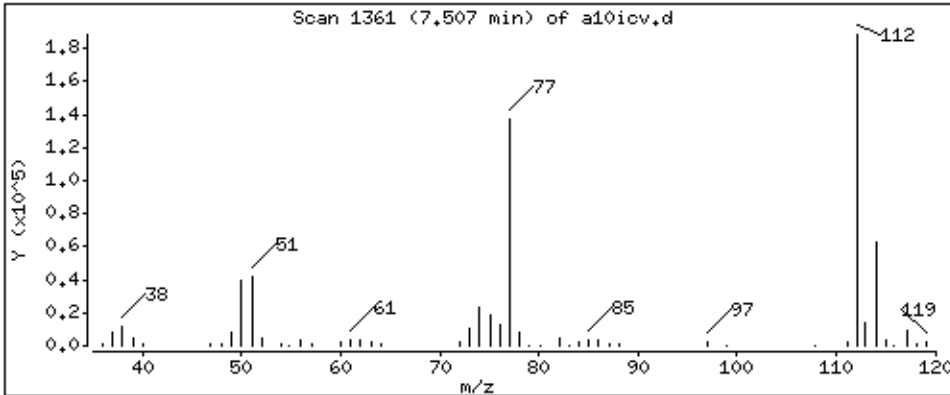
Operator: grm

Column phase: DB-624

Column diameter: 0,18

68 Chlorobenzene

Concentration: 46,2 ppb



Date : 19-JUN-2014 18:51

Client ID: 8260-ICV,71105;0

Instrument: 50mv1a.i

Sample Info: 8260-ICV,71105;0

Purge Volume: 5.0

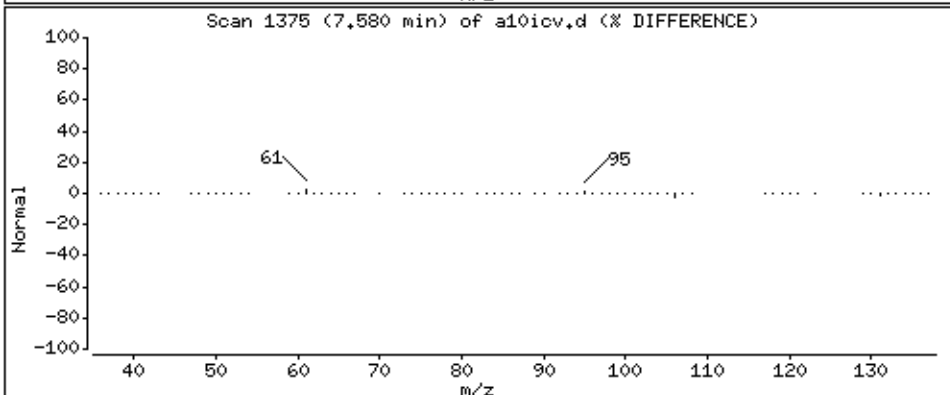
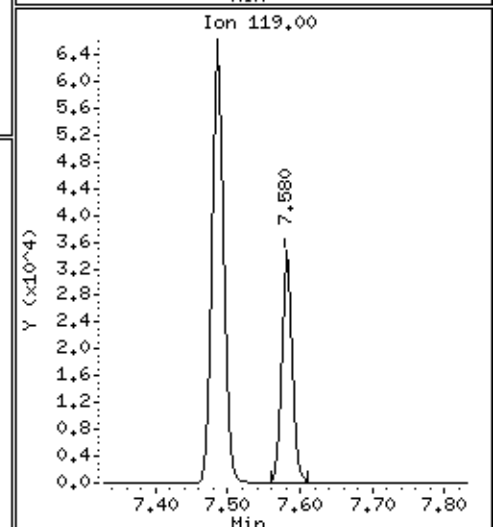
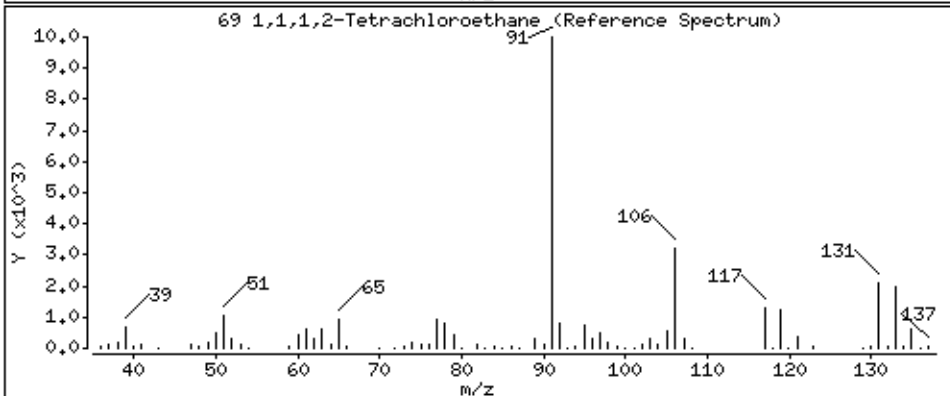
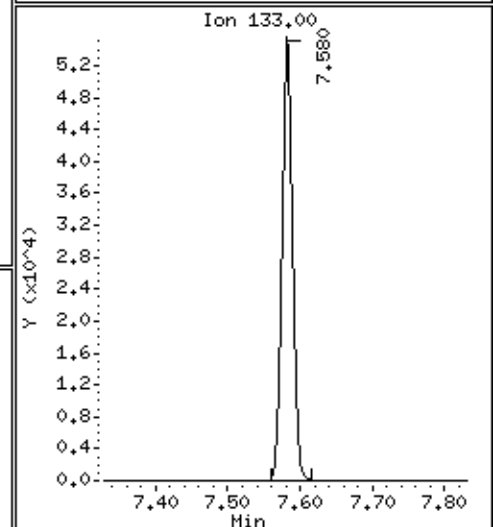
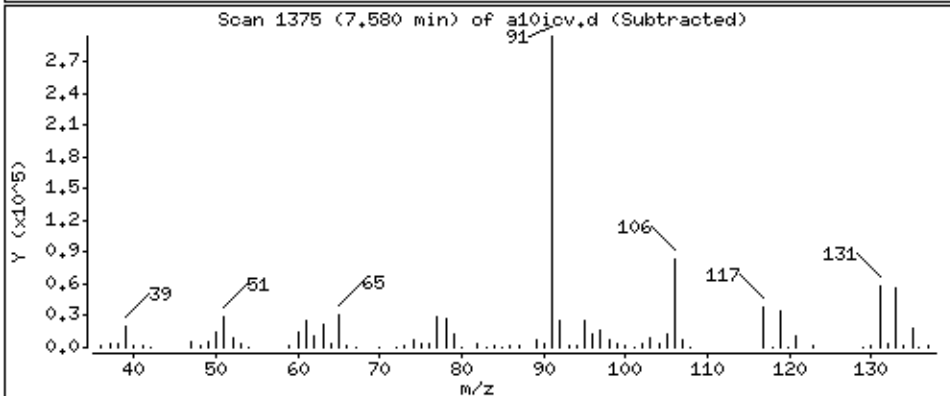
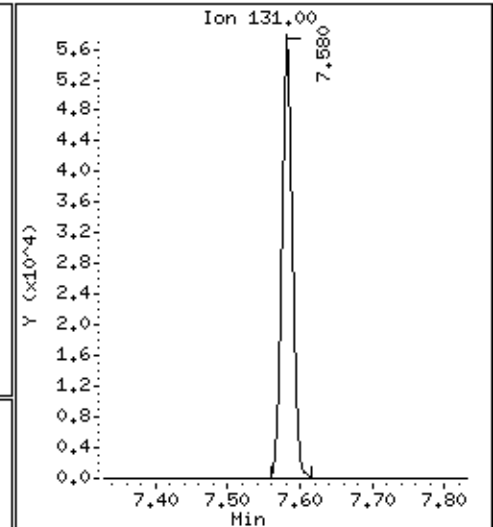
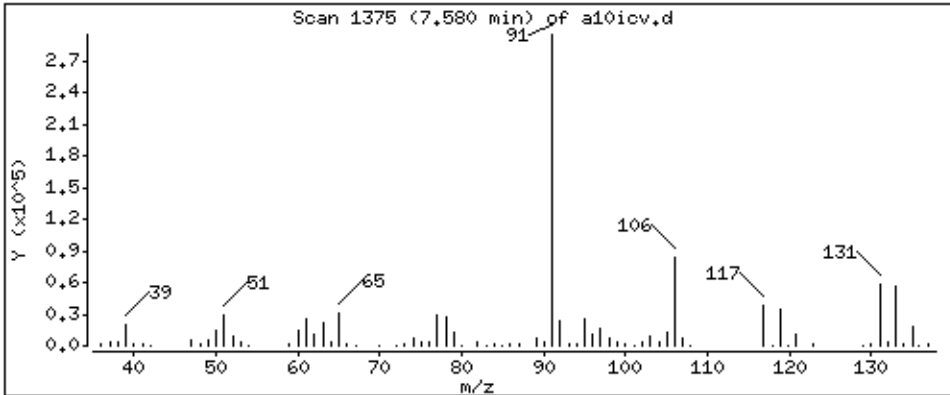
Operator: grm

Column phase: DB-624

Column diameter: 0,18

69 1,1,1,2-Tetrachloroethane

Concentration: 47.2 ppb



Date : 19-JUN-2014 18:51

Client ID: 8260-ICV,71105;0

Instrument: 50mv1a.i

Sample Info: 8260-ICV,71105;0

Purge Volume: 5.0

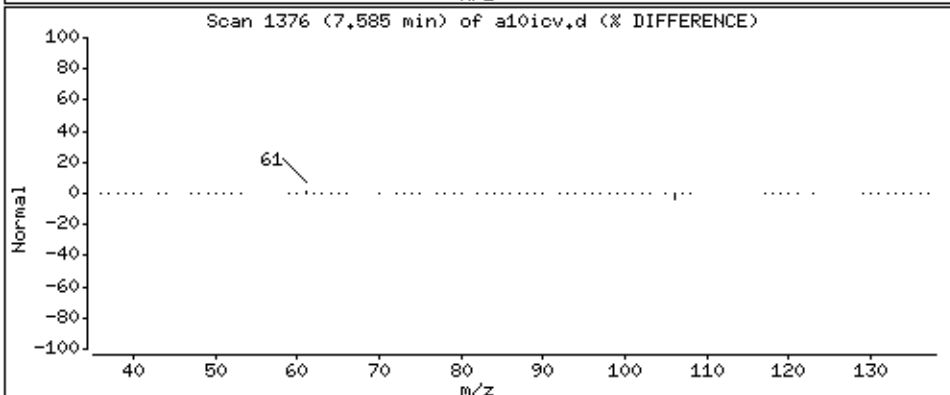
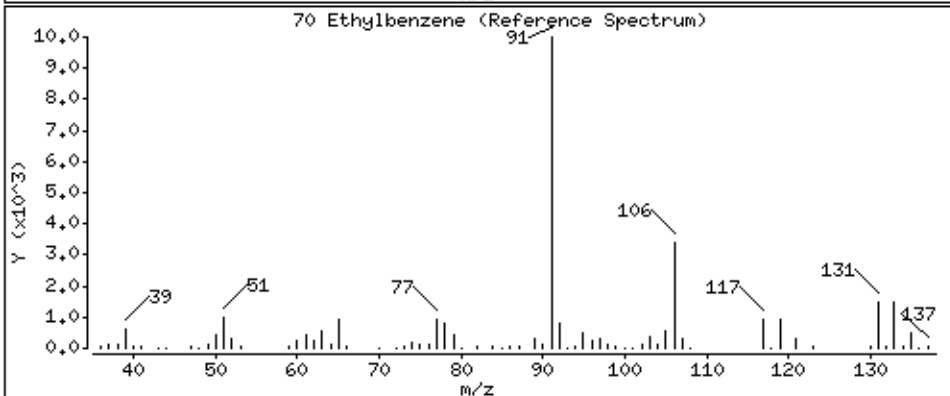
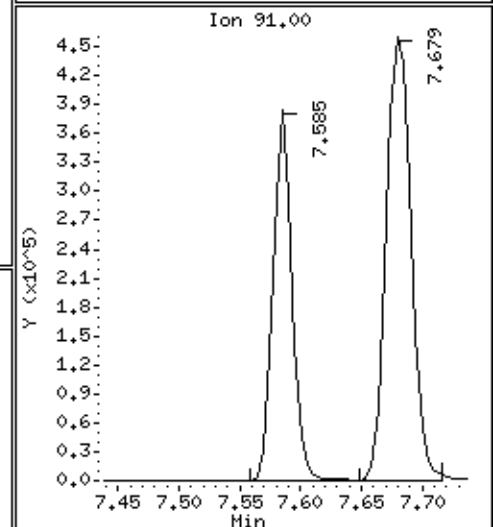
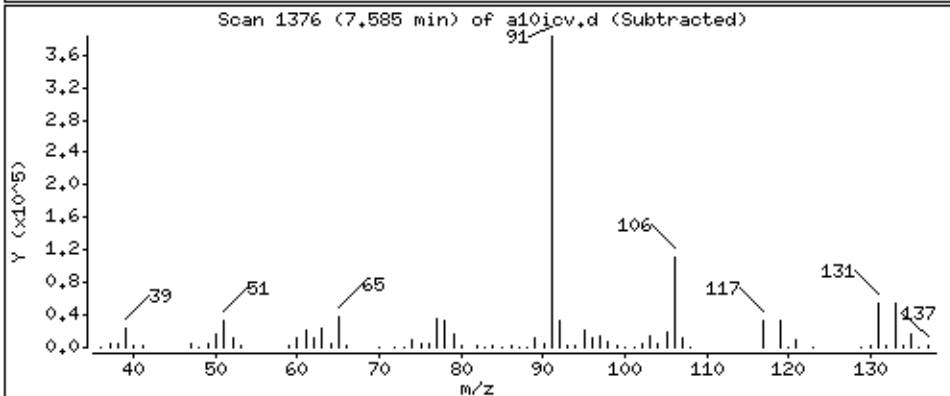
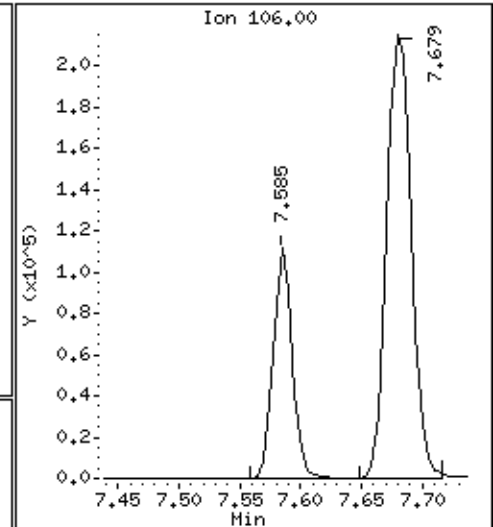
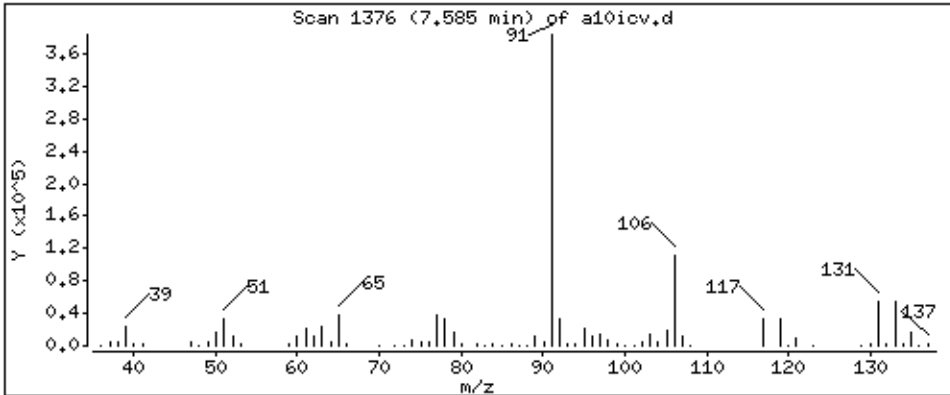
Operator: grm

Column phase: DB-624

Column diameter: 0,18

70 Ethylbenzene

Concentration: 48,5 ppb



Date : 19-JUN-2014 18:51

Client ID: 8260-ICV,71105;0

Instrument: 50mv1a.i

Sample Info: 8260-ICV,71105;0

Purge Volume: 5.0

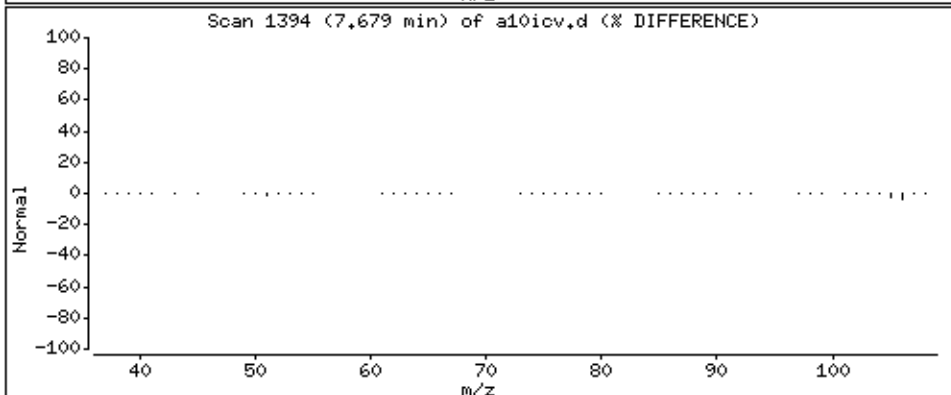
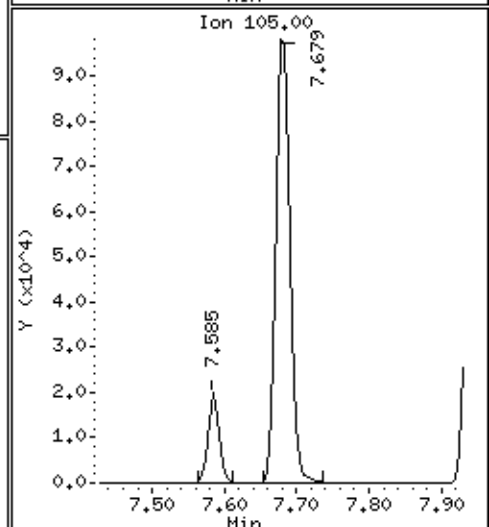
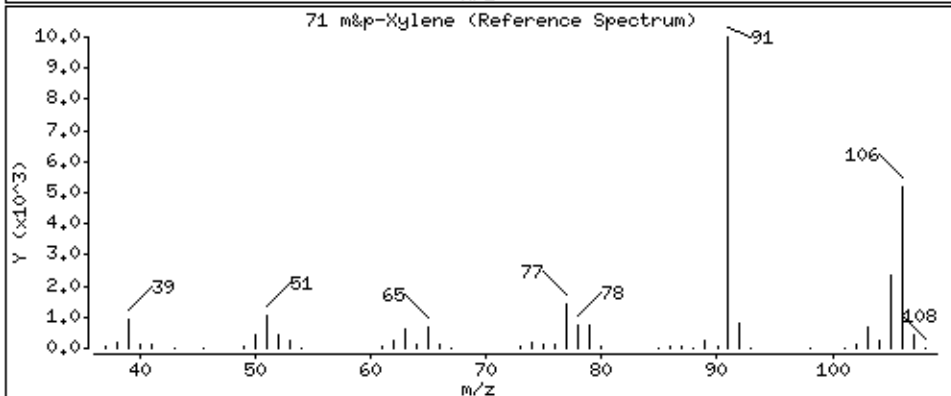
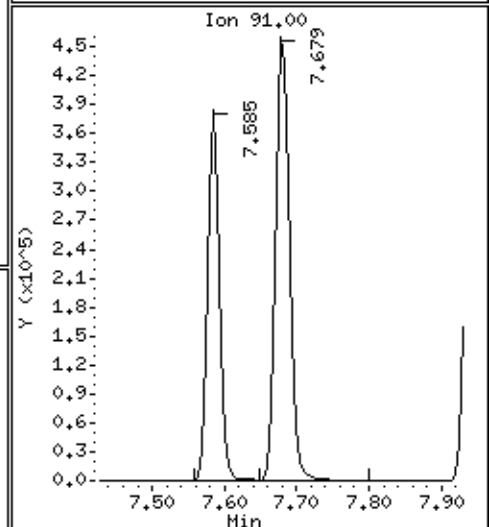
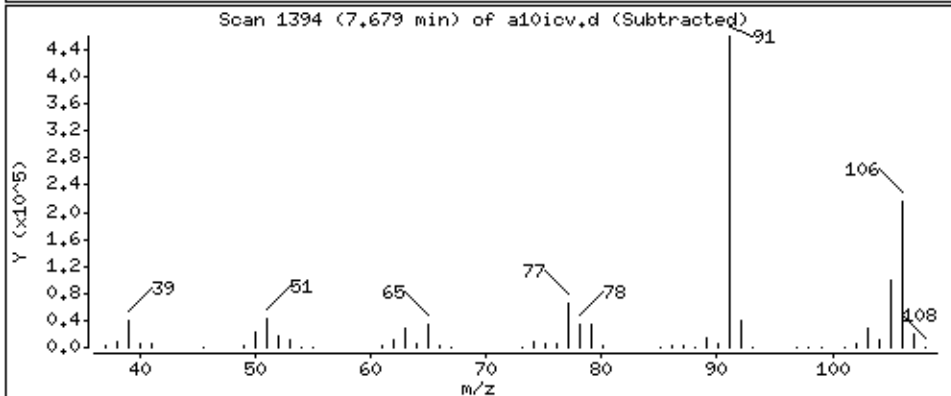
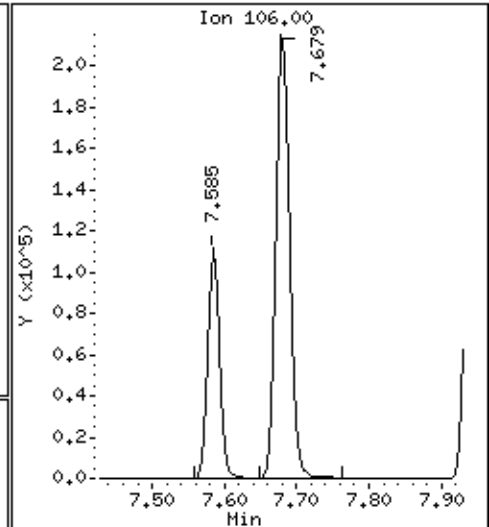
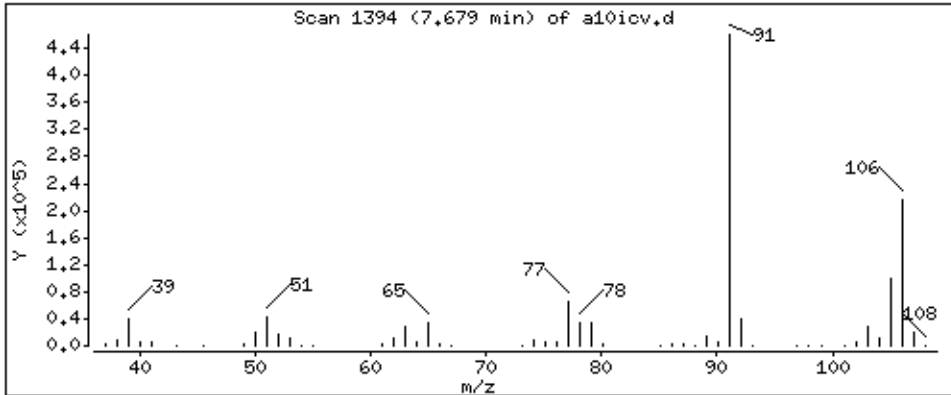
Operator: grm

Column phase: DB-624

Column diameter: 0,18

71 m&p-Xylene

Concentration: 98,9 ppb



Date : 19-JUN-2014 18:51

Client ID: 8260-ICV,71105:0

Instrument: 50mv1a.i

Sample Info: 8260-ICV,71105:0

Purge Volume: 5.0

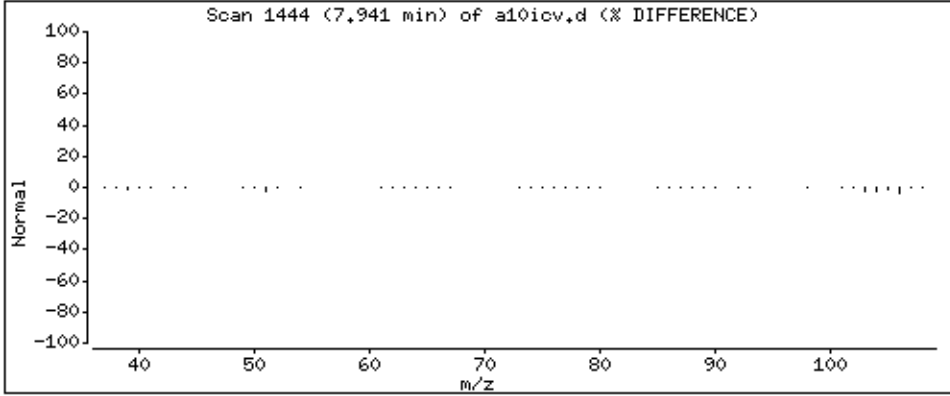
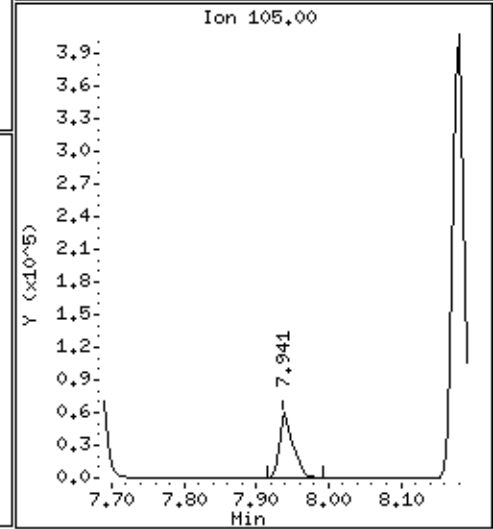
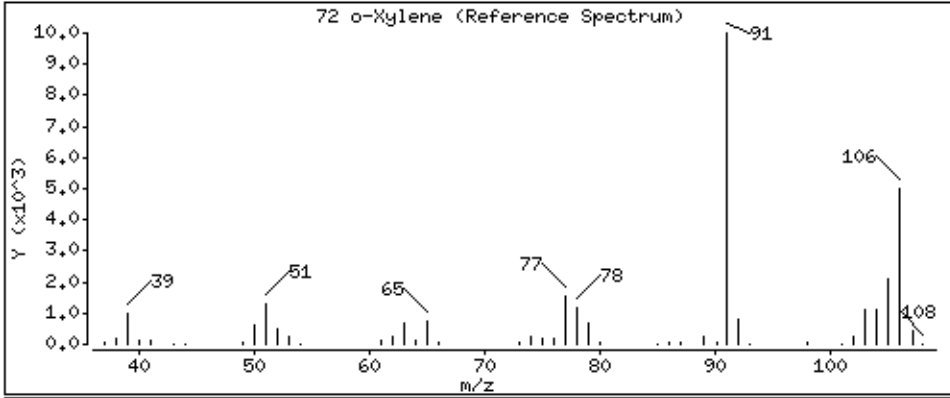
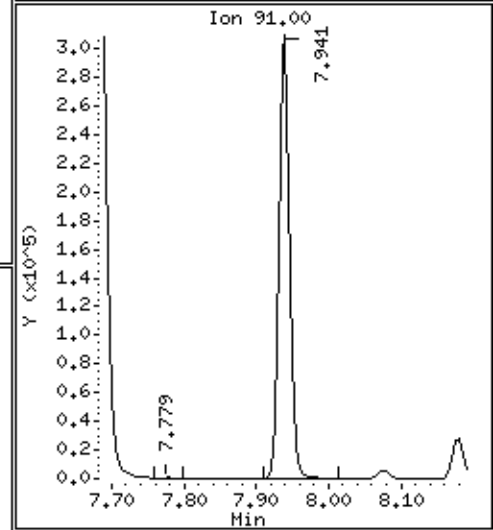
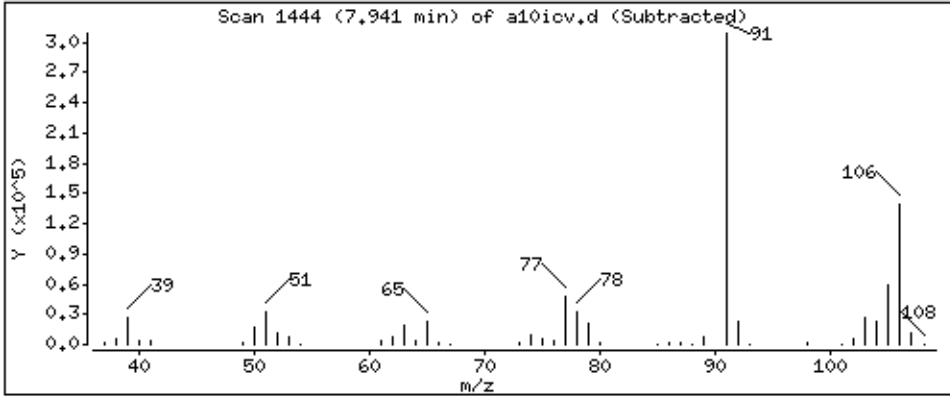
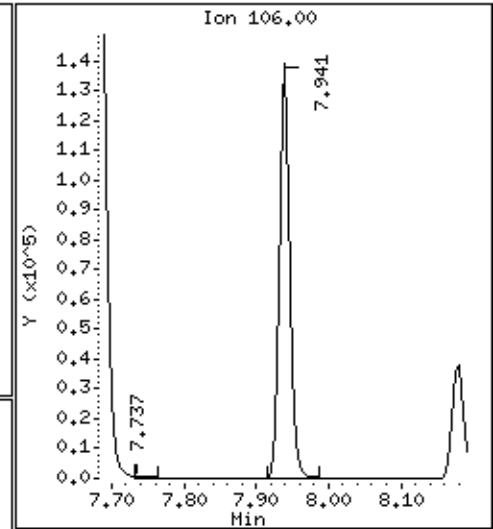
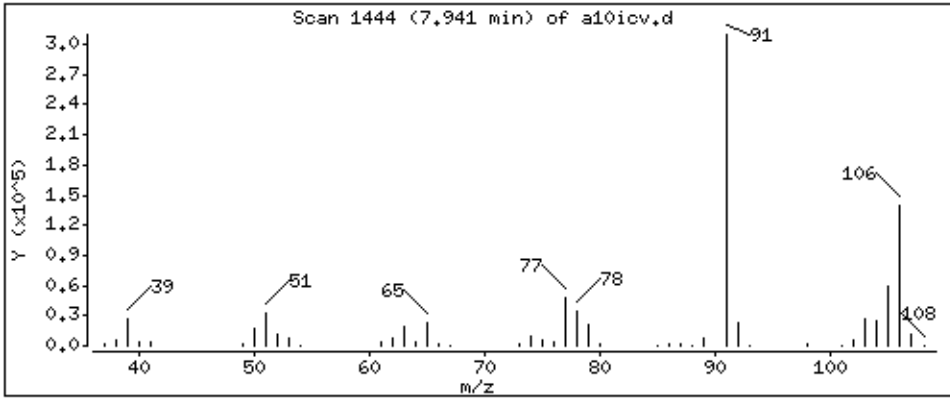
Operator: grm

Column phase: DB-624

Column diameter: 0,18

72 o-Xylene

Concentration: 52.9 ppb



Date : 19-JUN-2014 18:51

Client ID: 8260-ICV,71105;0

Instrument: 50mv1a.i

Sample Info: 8260-ICV,71105;0

Purge Volume: 5.0

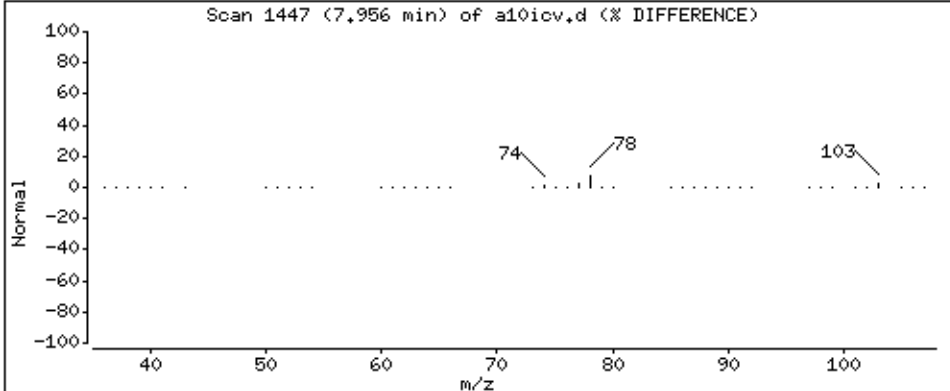
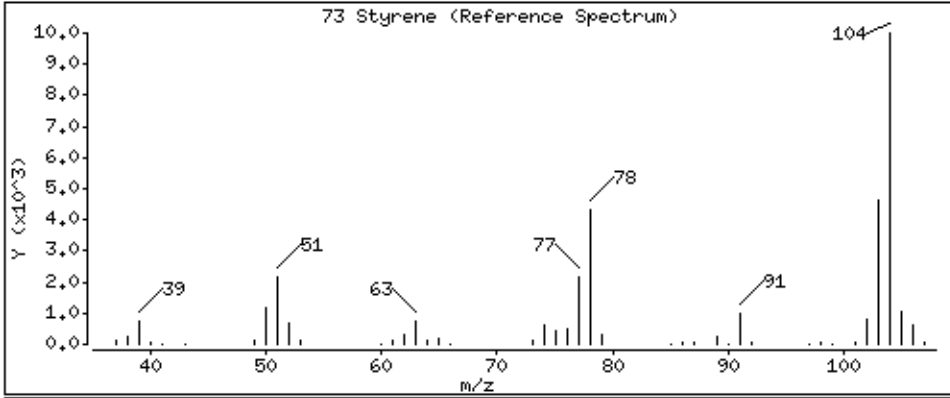
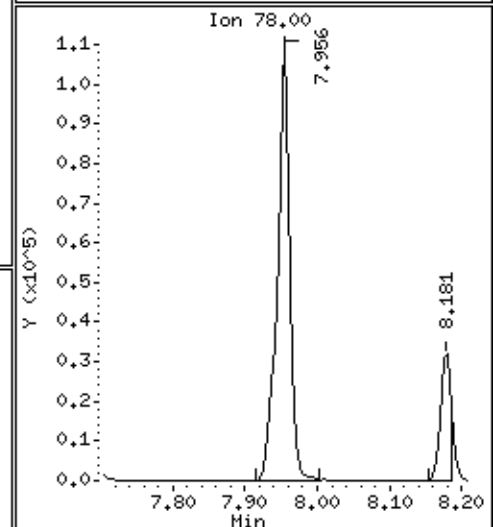
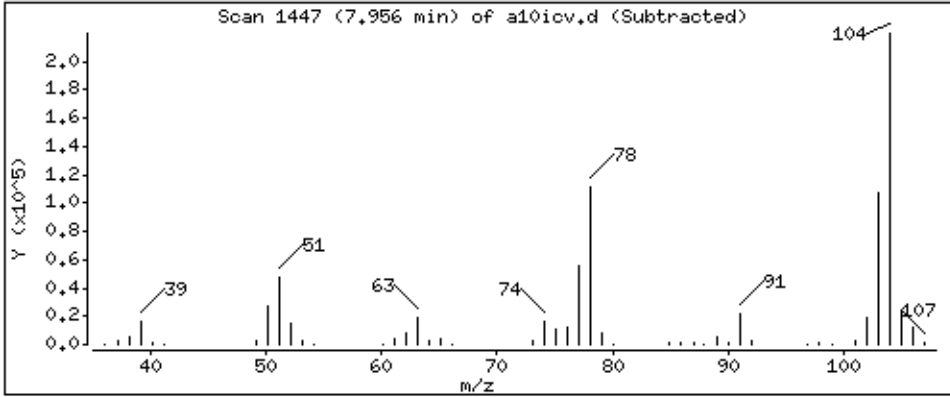
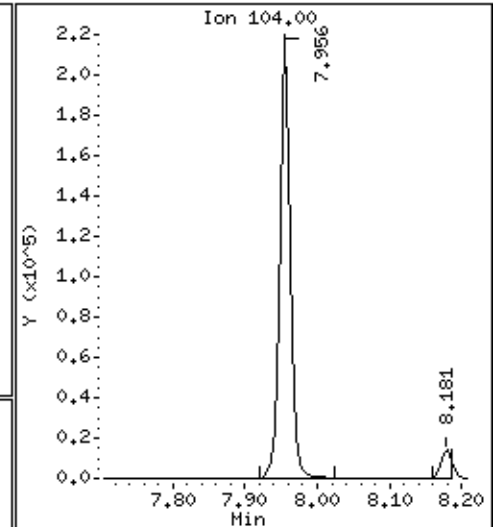
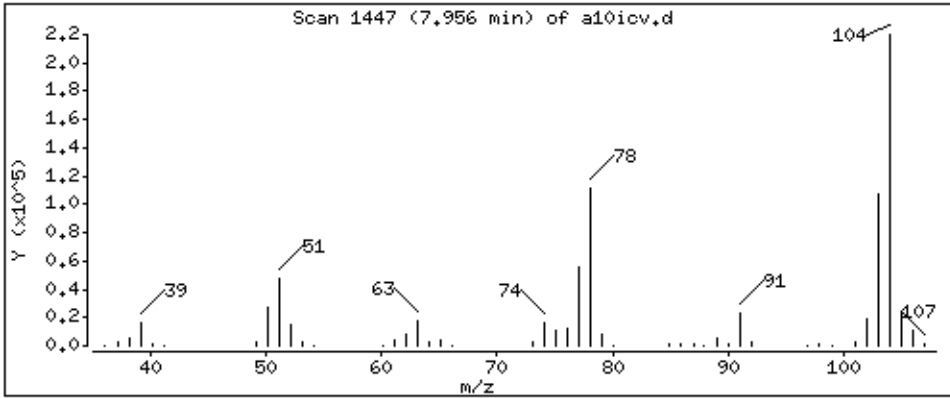
Operator: grm

Column phase: DB-624

Column diameter: 0,18

73 Styrene

Concentration: 49.8 ppb



Date : 19-JUN-2014 18:51

Client ID: 8260-ICV,71105:0

Instrument: 50mv1a.i

Sample Info: 8260-ICV,71105:0

Purge Volume: 5.0

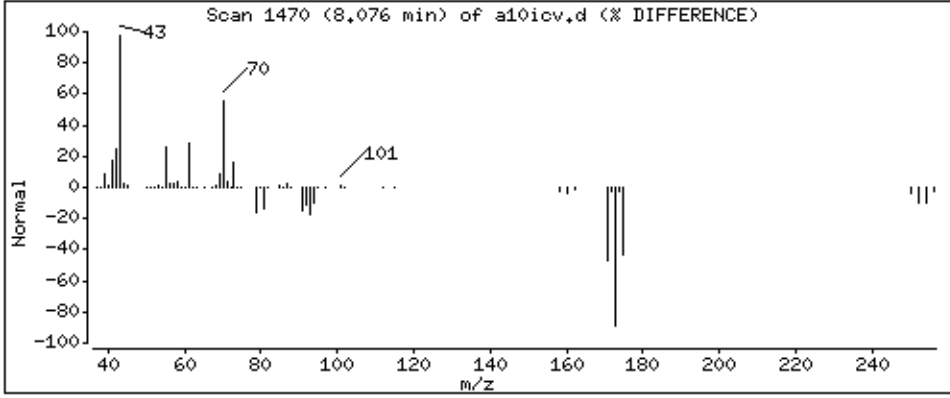
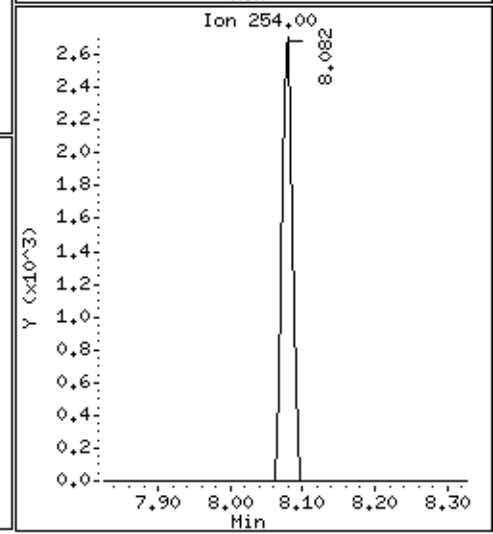
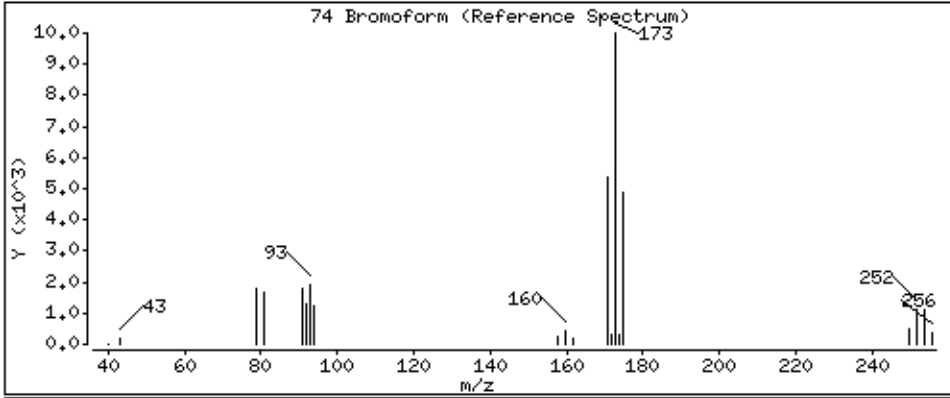
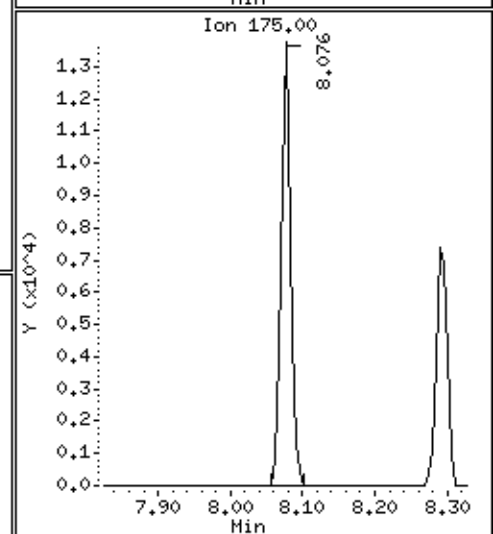
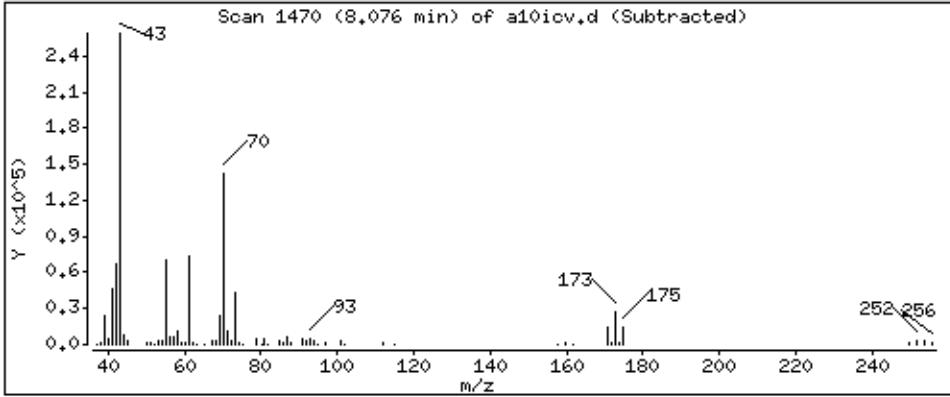
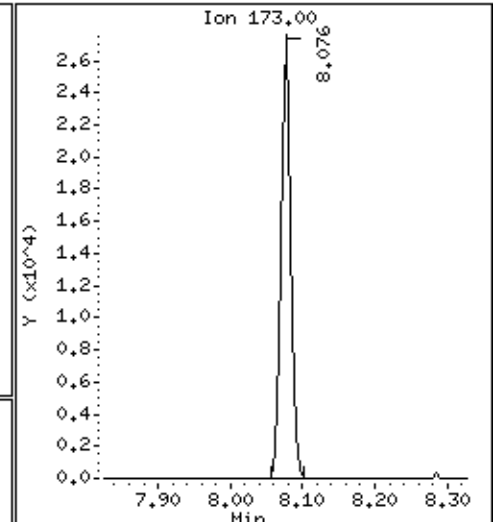
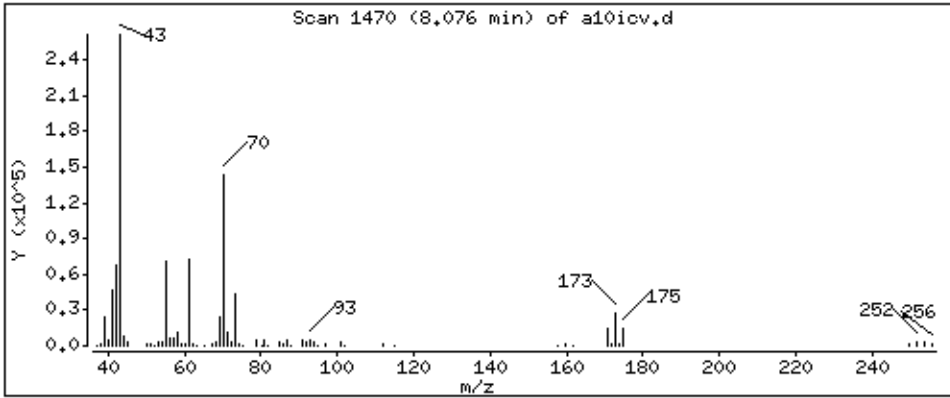
Operator: grm

Column phase: DB-624

Column diameter: 0,18

74 Bromoform

Concentration: 42.0 ppb



Date : 19-JUN-2014 18:51

Client ID: 8260-ICV,71105:0

Instrument: 50mv1a.i

Sample Info: 8260-ICV,71105:0

Purge Volume: 5.0

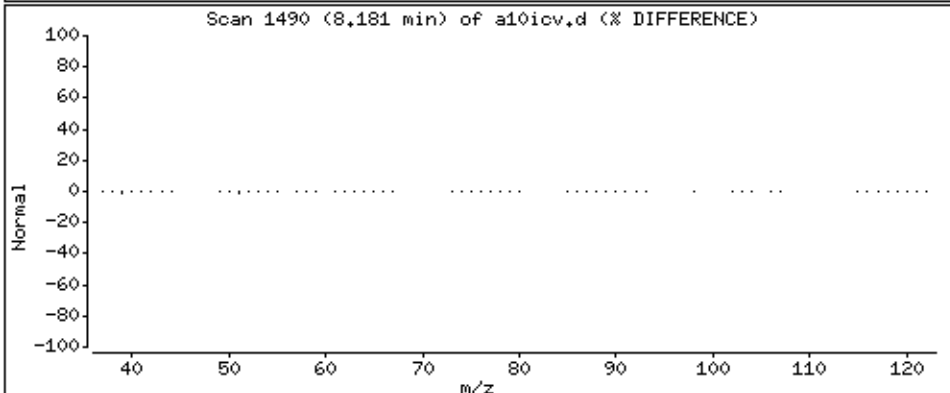
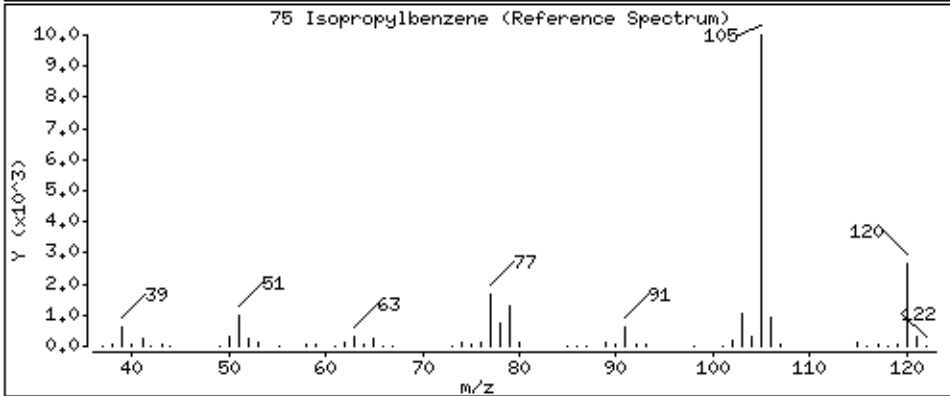
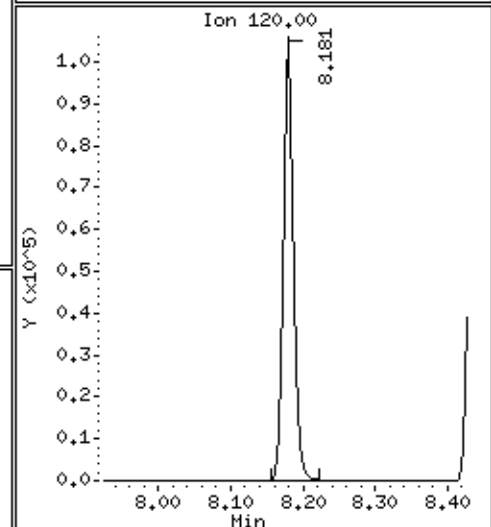
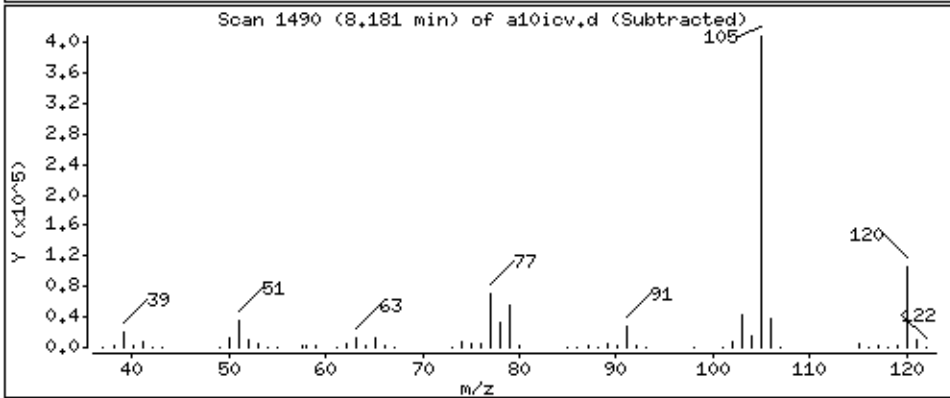
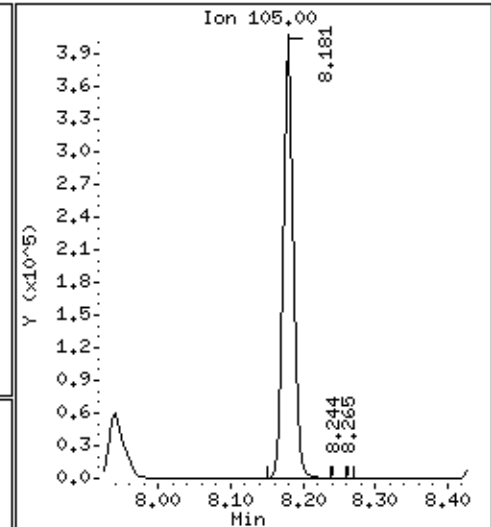
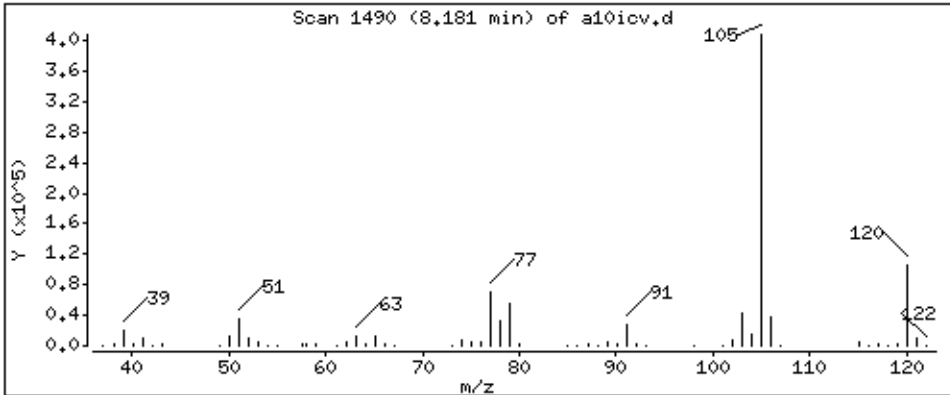
Operator: grm

Column phase: DB-624

Column diameter: 0,18

75 Isopropylbenzene

Concentration: 50,5 ppb



Date : 19-JUN-2014 18:51

Client ID: 8260-ICV,71105;0

Instrument: 50mv1a.i

Sample Info: 8260-ICV,71105;0

Purge Volume: 5.0

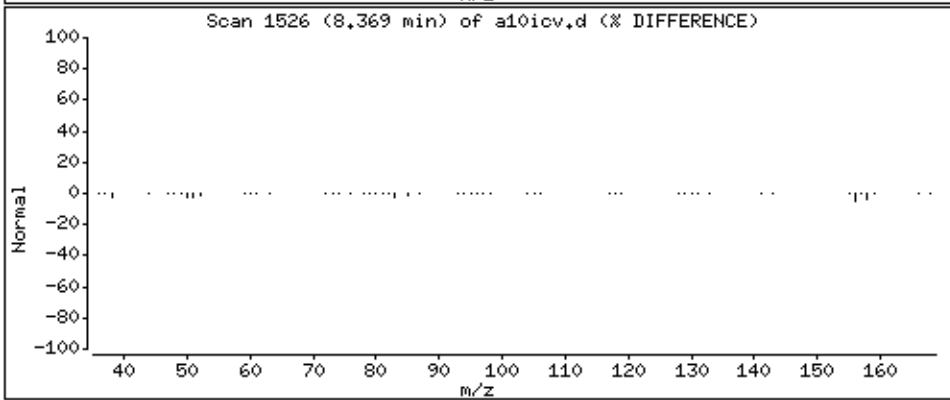
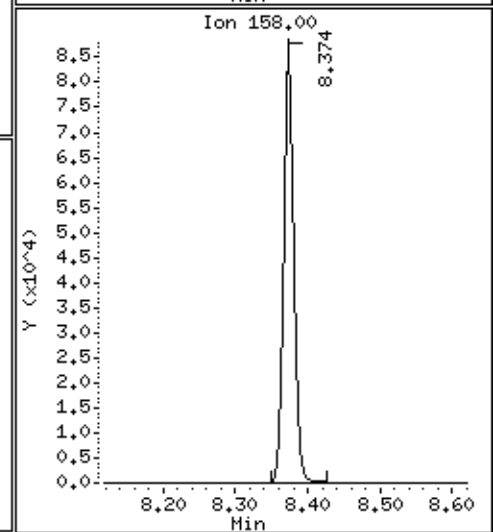
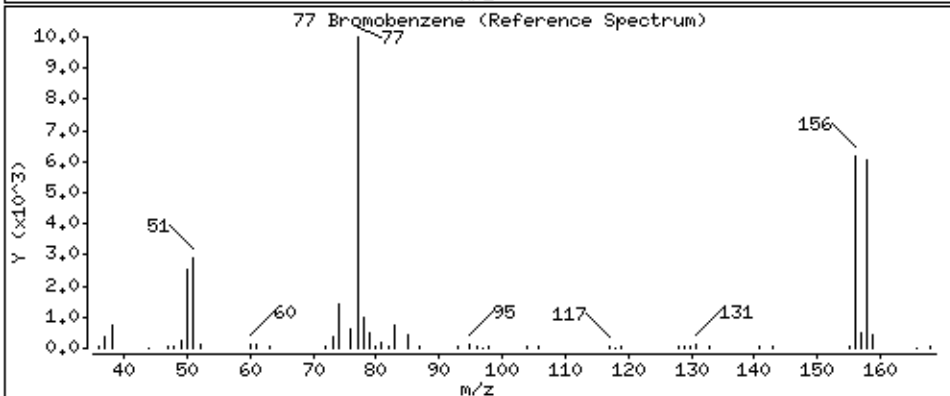
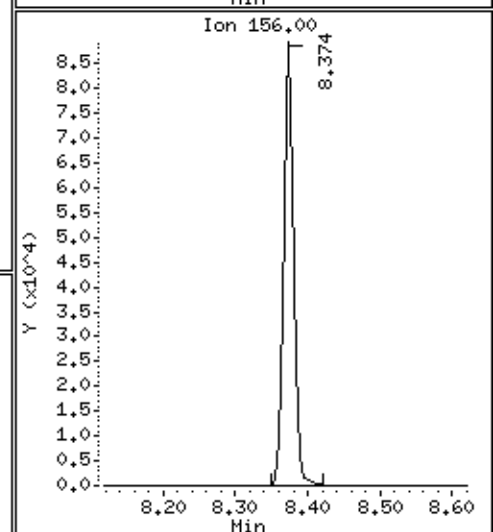
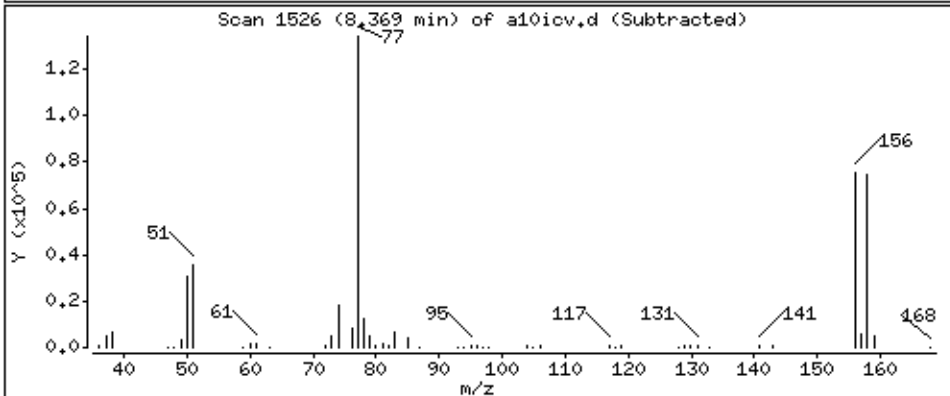
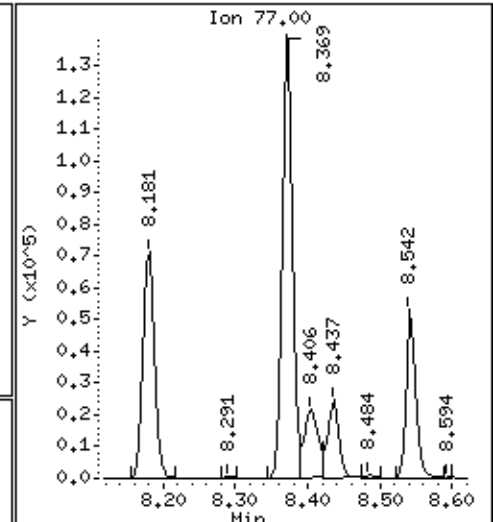
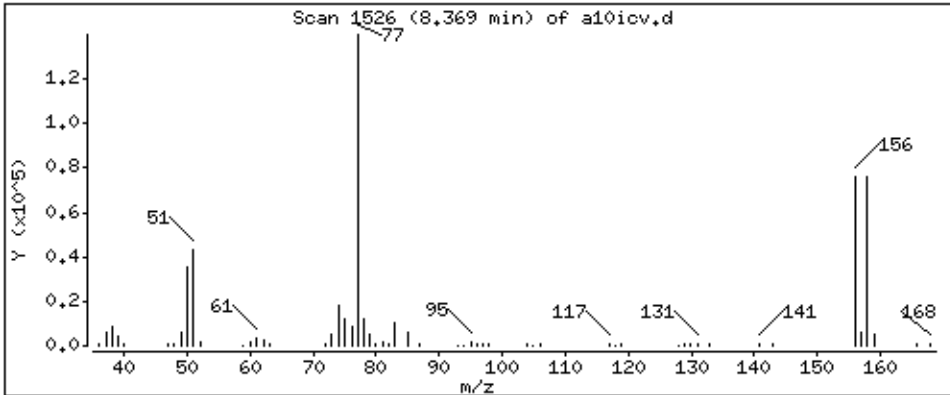
Operator: grm

Column phase: DB-624

Column diameter: 0,18

77 Bromobenzene

Concentration: 46.2 ppb



Date : 19-JUN-2014 18:51

Client ID: 8260-ICV,71105:0

Instrument: 50mv1a.i

Sample Info: 8260-ICV,71105:0

Purge Volume: 5.0

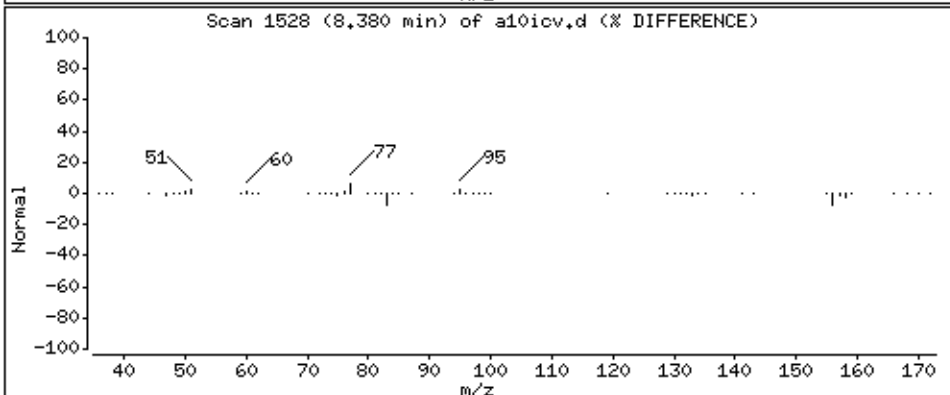
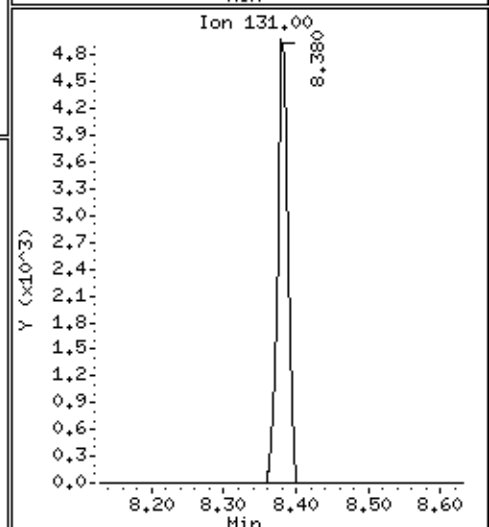
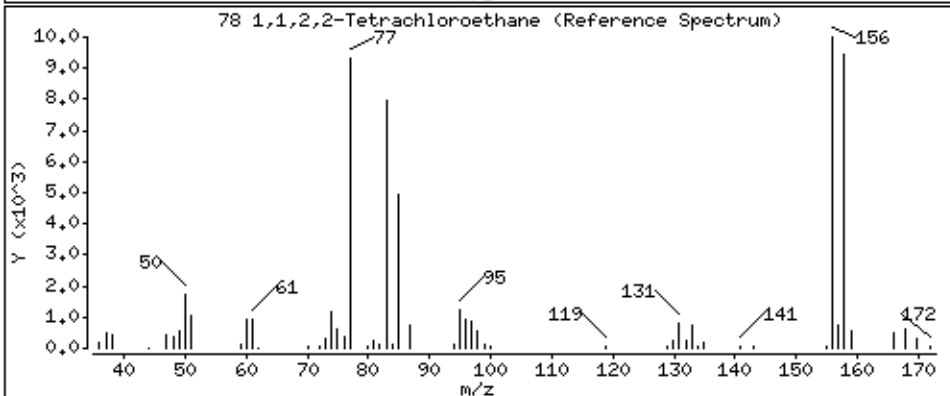
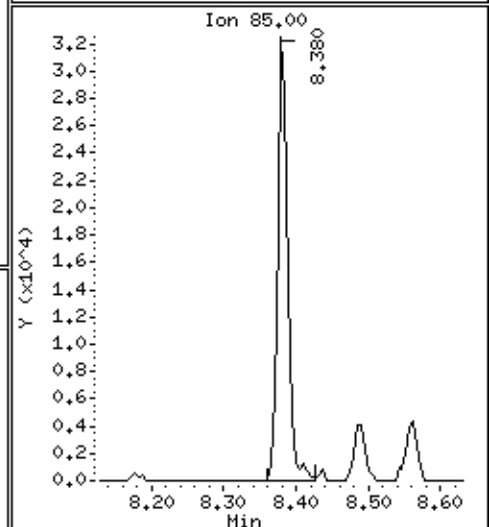
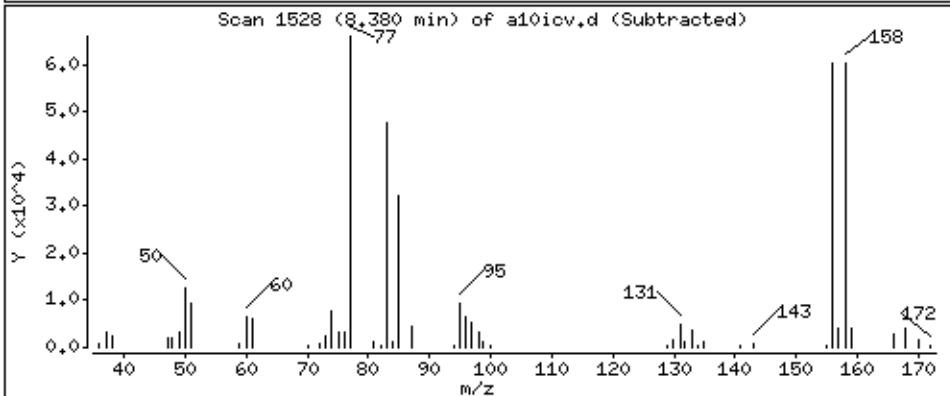
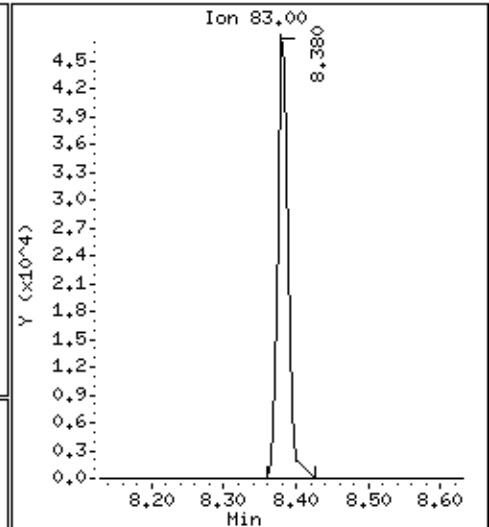
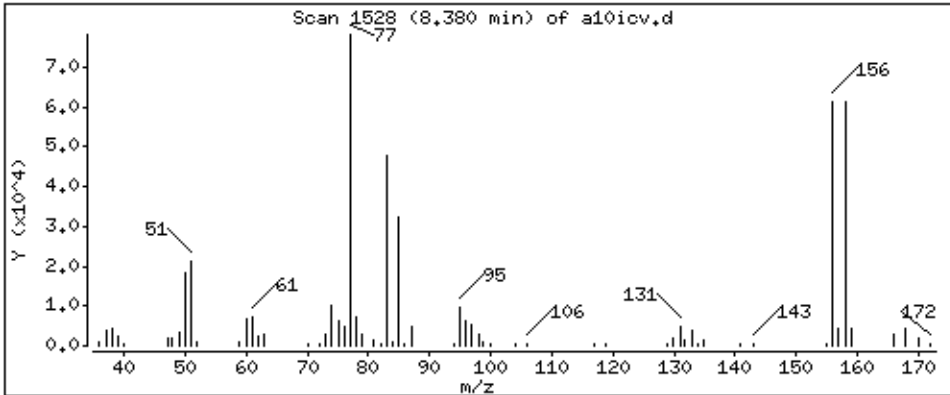
Operator: grm

Column phase: DB-624

Column diameter: 0,18

78 1,1,2,2-Tetrachloroethane

Concentration: 48,3 ppb



Date : 19-JUN-2014 18:51

Client ID: 8260-ICV,71105:0

Instrument: 50mv1a.i

Sample Info: 8260-ICV,71105:0

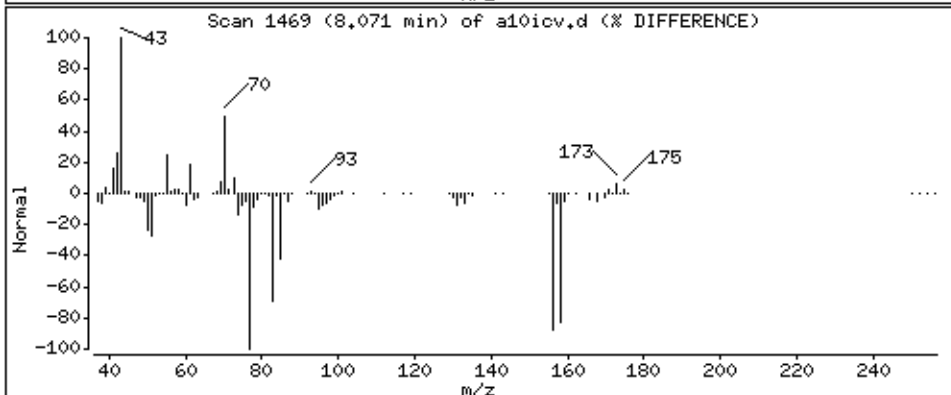
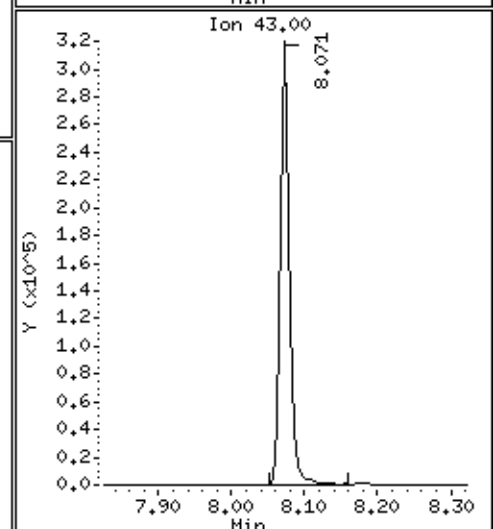
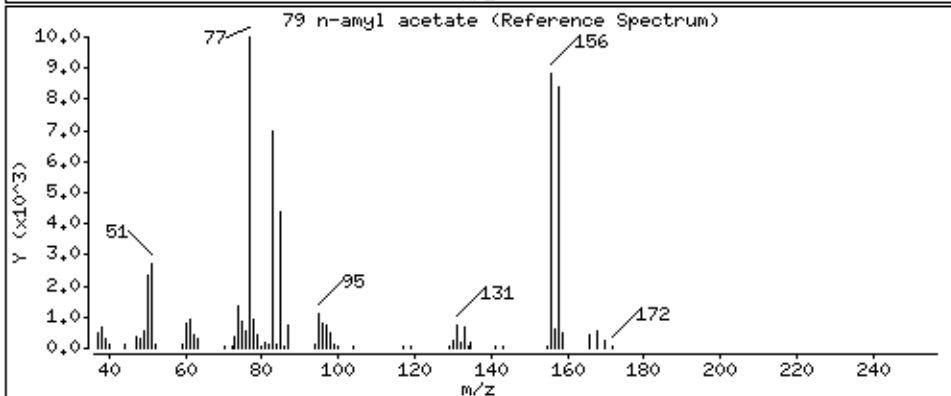
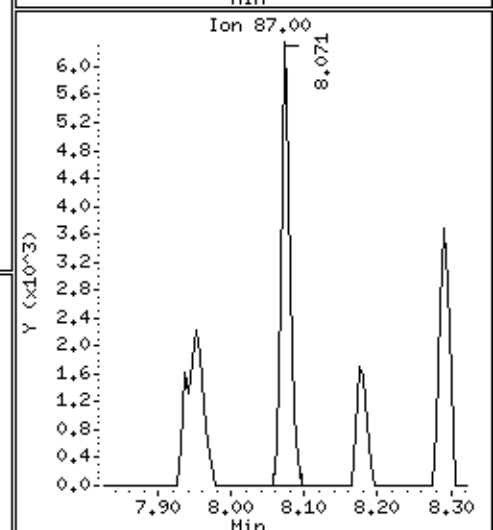
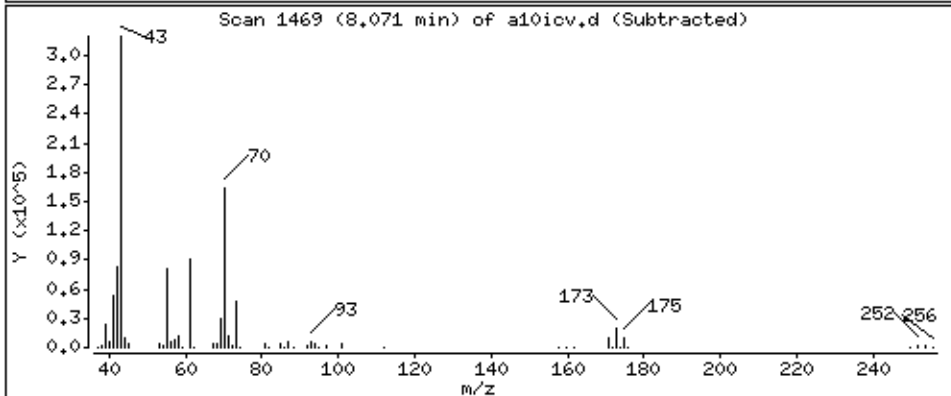
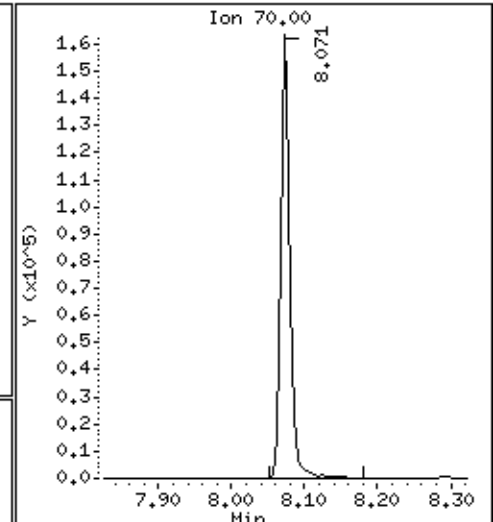
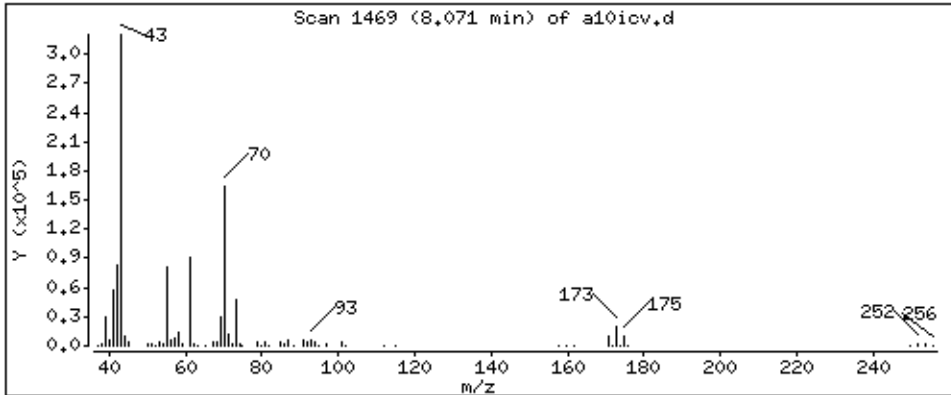
Purge Volume: 5.0

Operator: grm

Column phase: DB-624

Column diameter: 0,18

79 n-amyl acetate



Date : 19-JUN-2014 18:51

Client ID: 8260-ICV,71105:0

Instrument: 50mv1a.i

Sample Info: 8260-ICV,71105:0

Purge Volume: 5.0

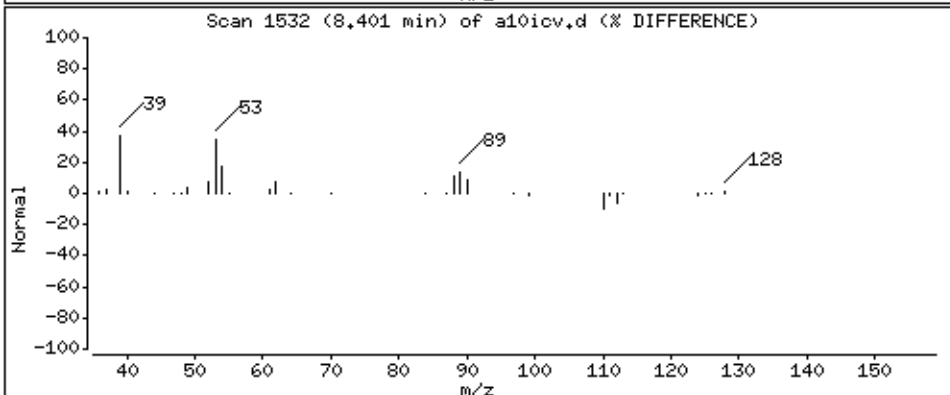
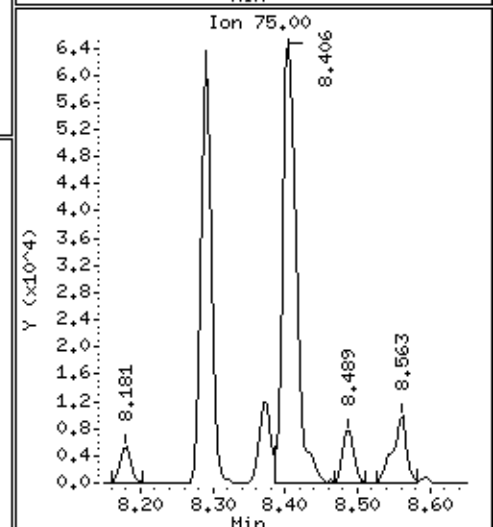
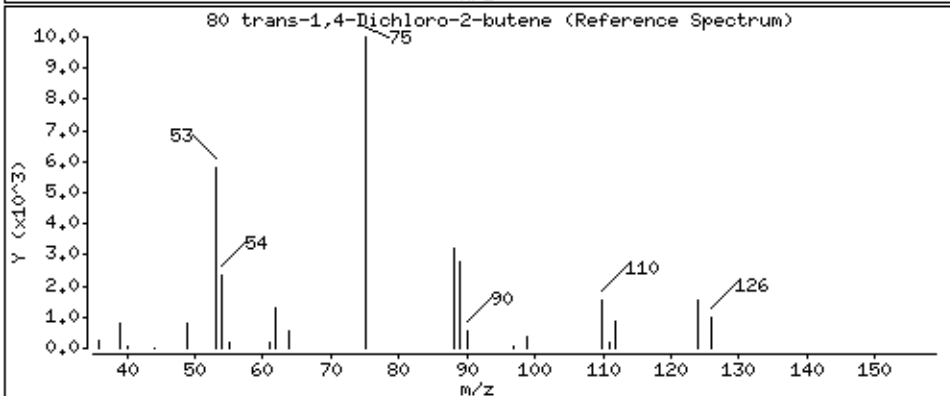
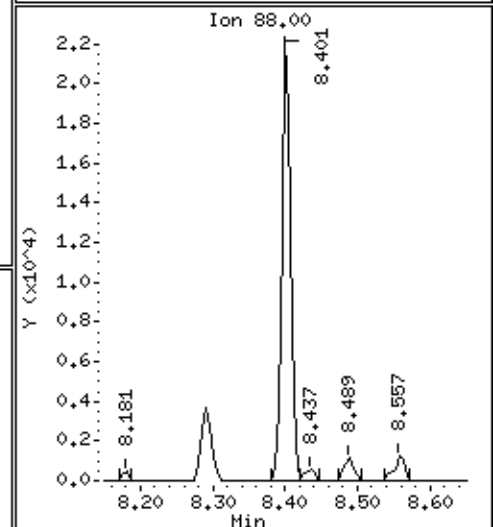
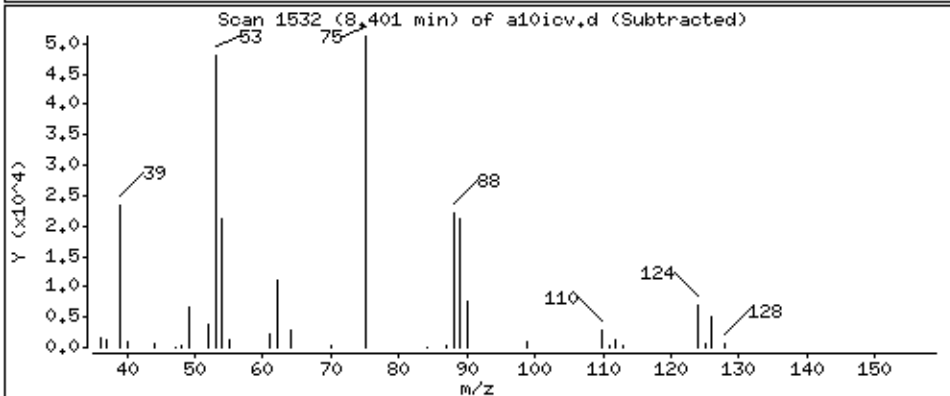
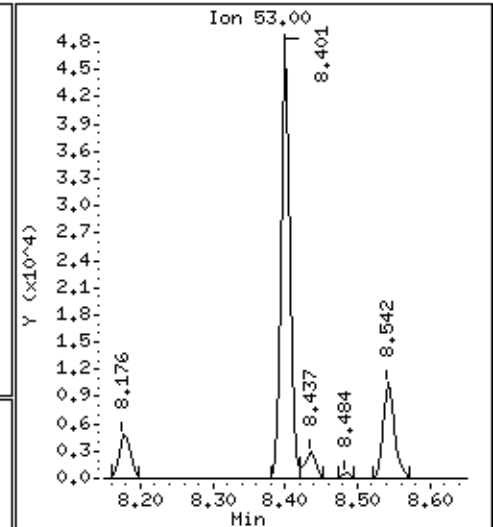
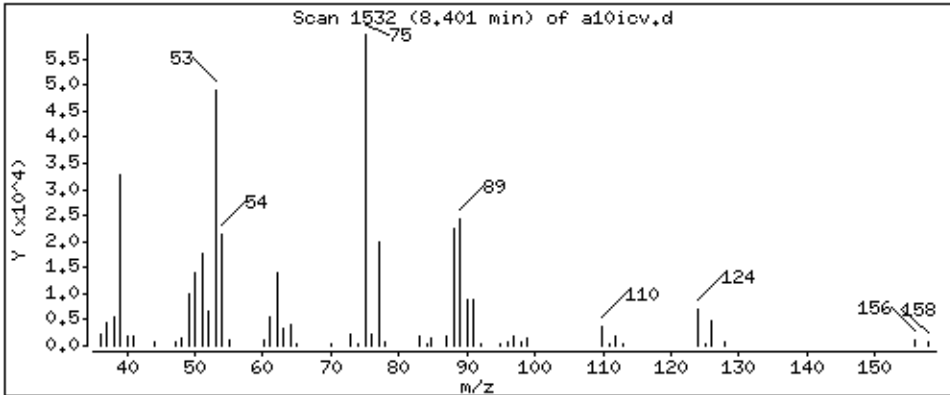
Operator: grm

Column phase: DB-624

Column diameter: 0,18

80 trans-1,4-Dichloro-2-butene

Concentration: 180 ppb



Date : 19-JUN-2014 18:51

Client ID: 8260-ICV,71105:0

Instrument: 50mv1a.i

Sample Info: 8260-ICV,71105:0

Purge Volume: 5.0

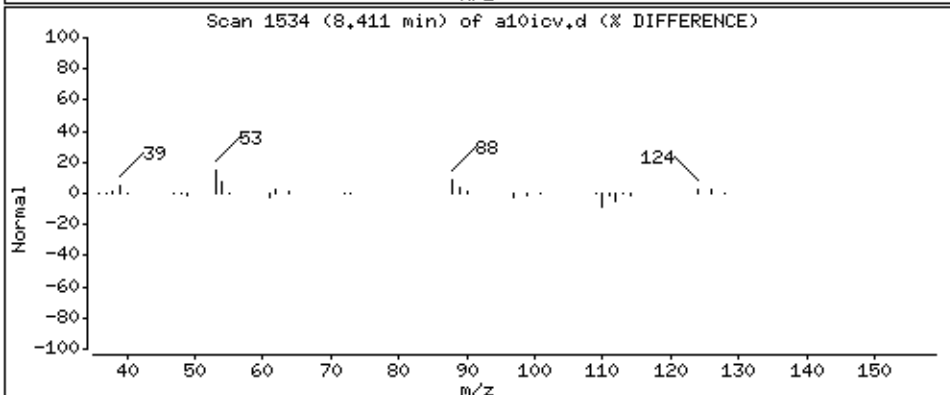
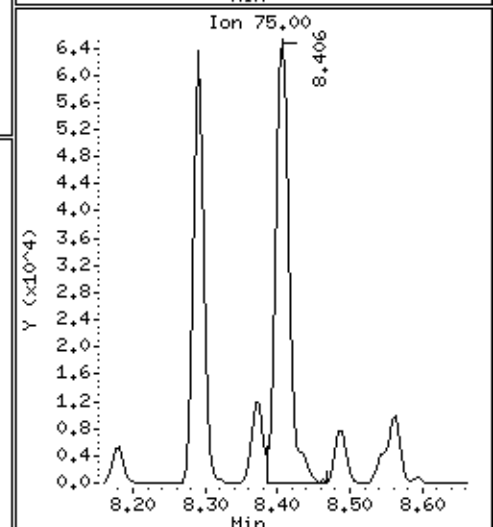
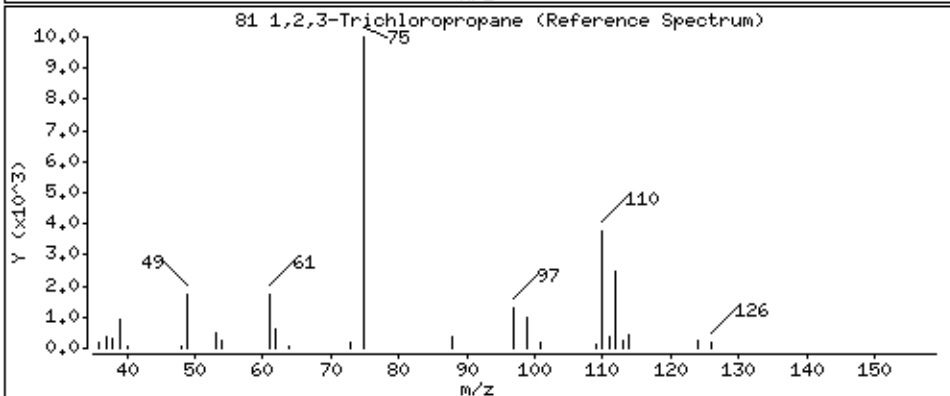
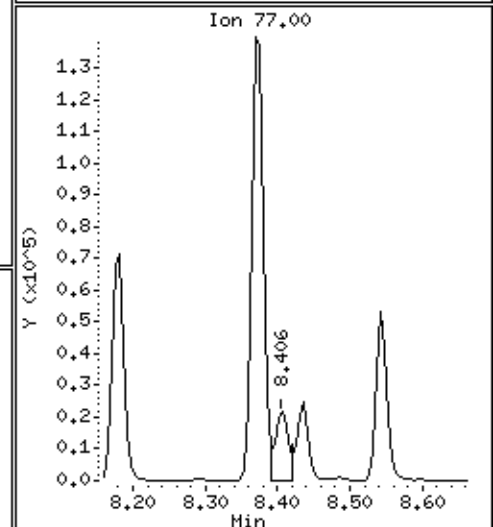
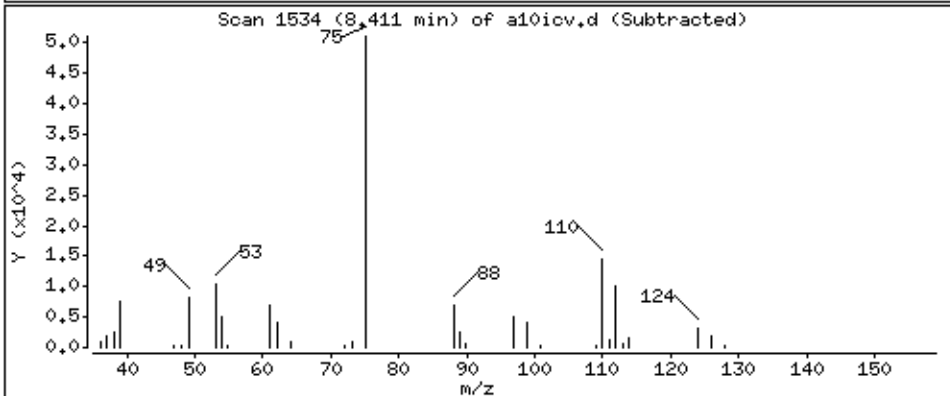
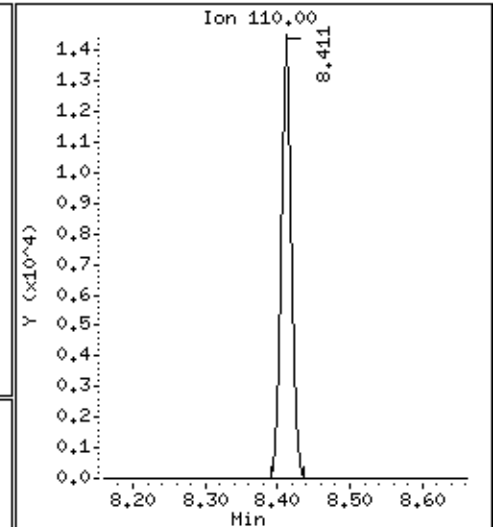
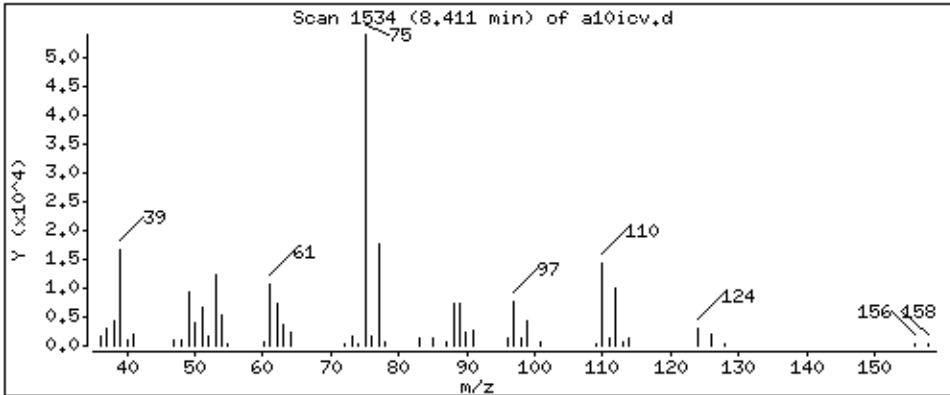
Operator: grm

Column phase: DB-624

Column diameter: 0,18

81 1,2,3-Trichloropropane

Concentration: 46,2 ppb



Date : 19-JUN-2014 18:51

Client ID: 8260-ICV,71105;0

Instrument: 50mv1a.i

Sample Info: 8260-ICV,71105;0

Purge Volume: 5.0

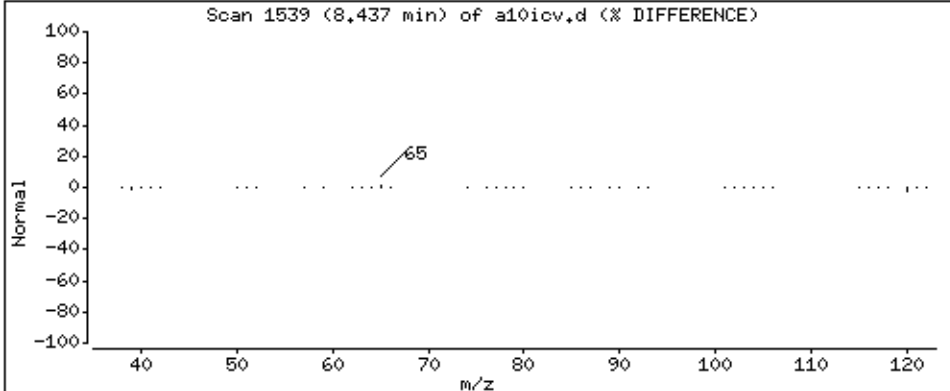
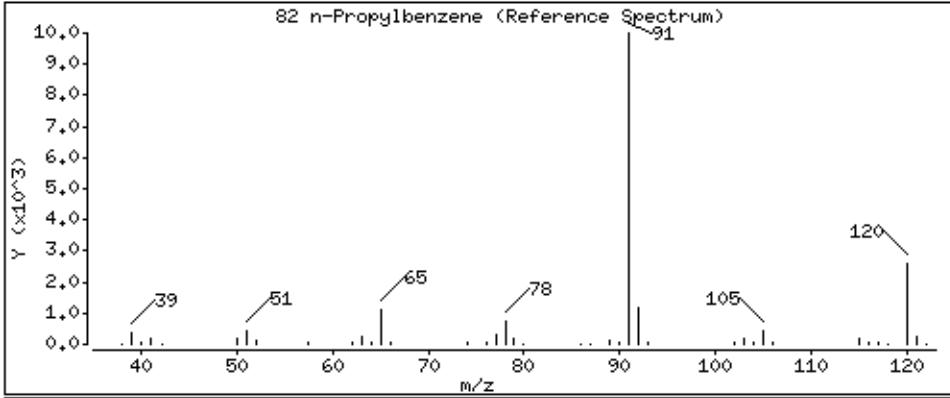
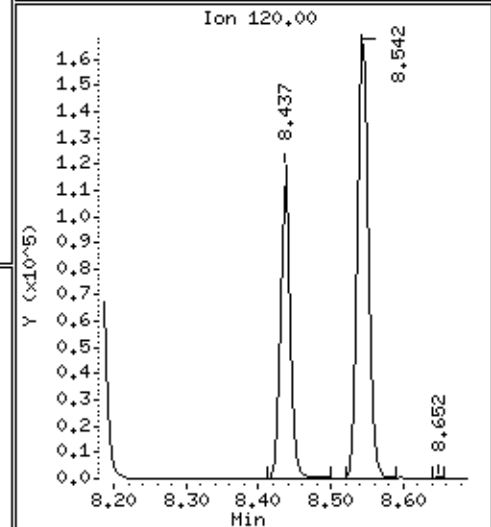
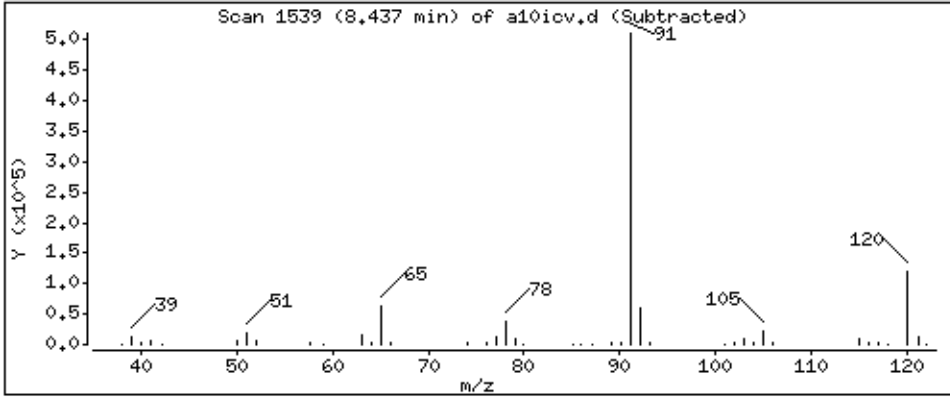
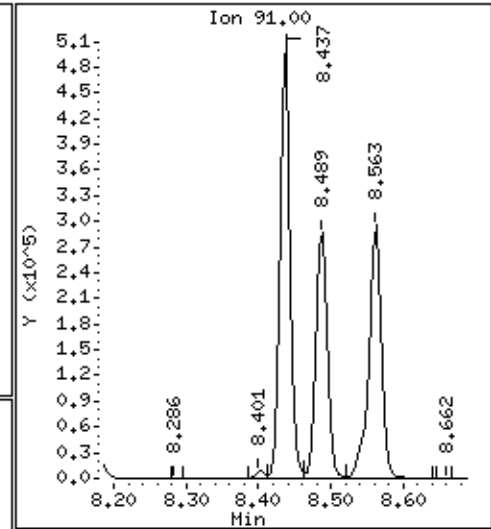
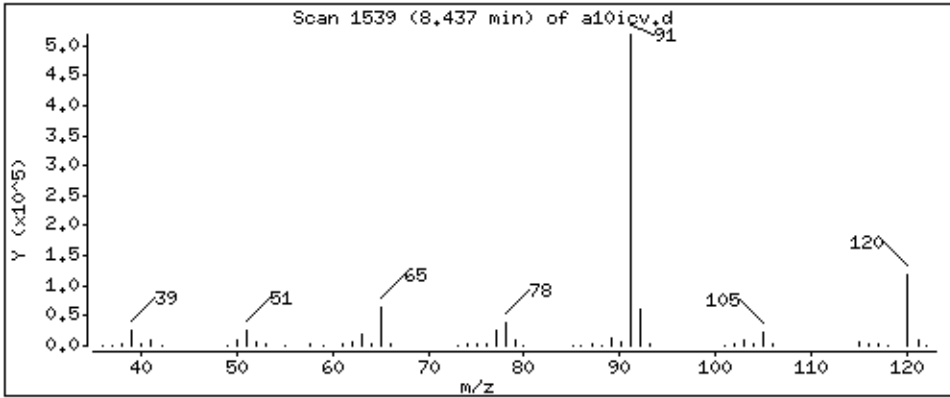
Operator: grm

Column phase: DB-624

Column diameter: 0,18

82 n-Propylbenzene

Concentration: 52.4 ppb



Date : 19-JUN-2014 18:51

Client ID: 8260-ICV,71105;0

Instrument: 50mv1a.i

Sample Info: 8260-ICV,71105;0

Purge Volume: 5.0

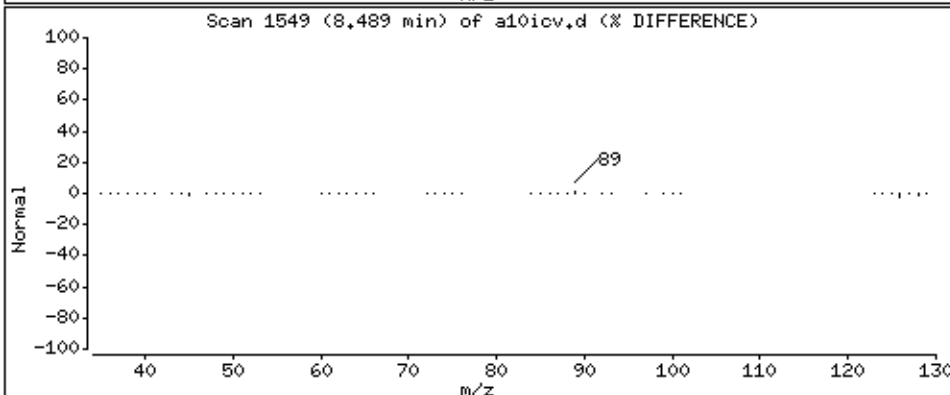
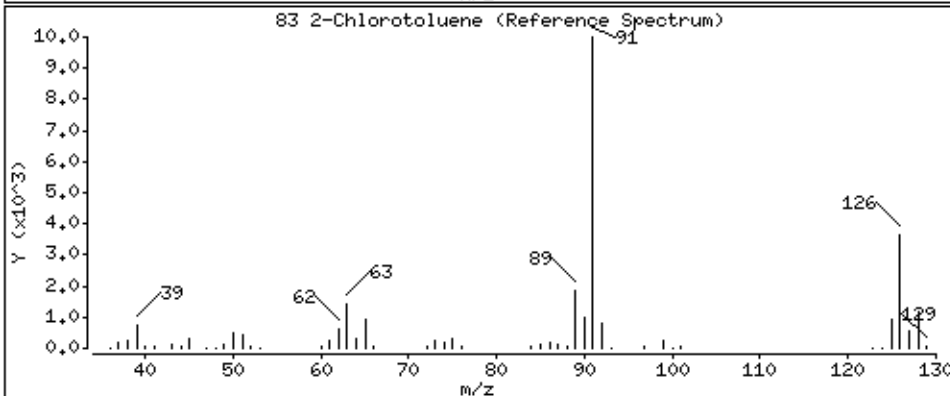
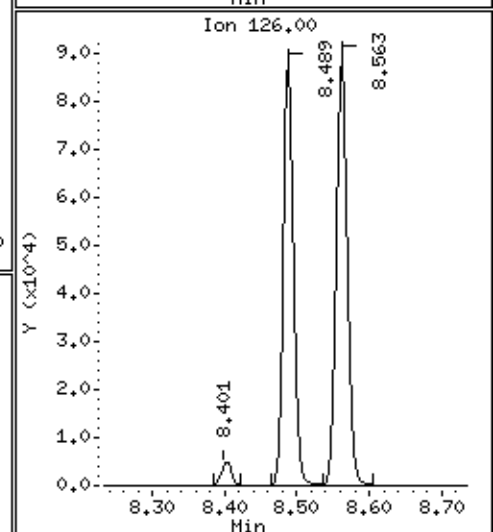
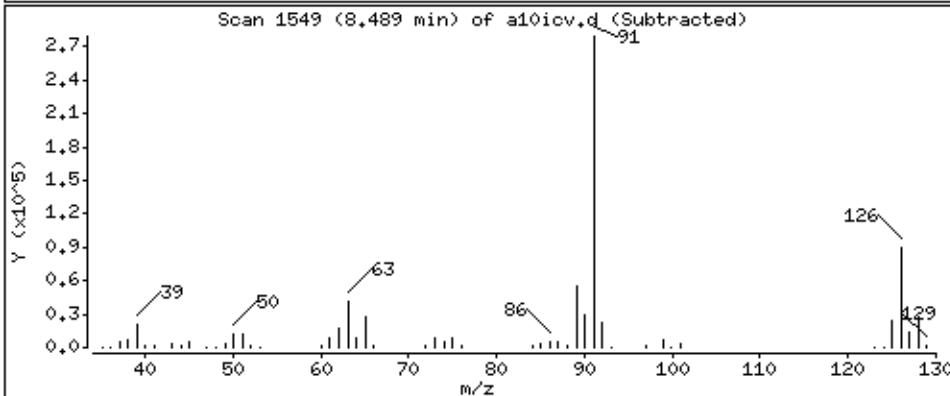
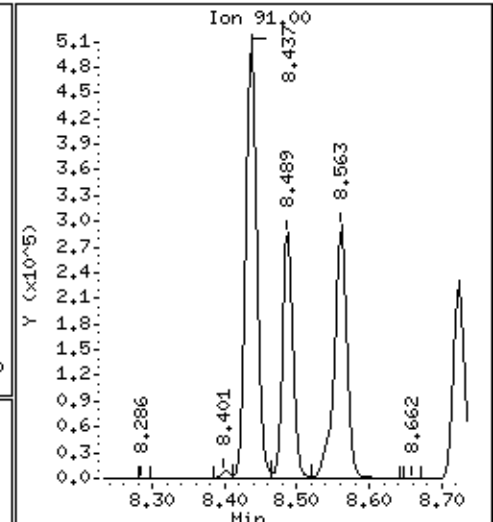
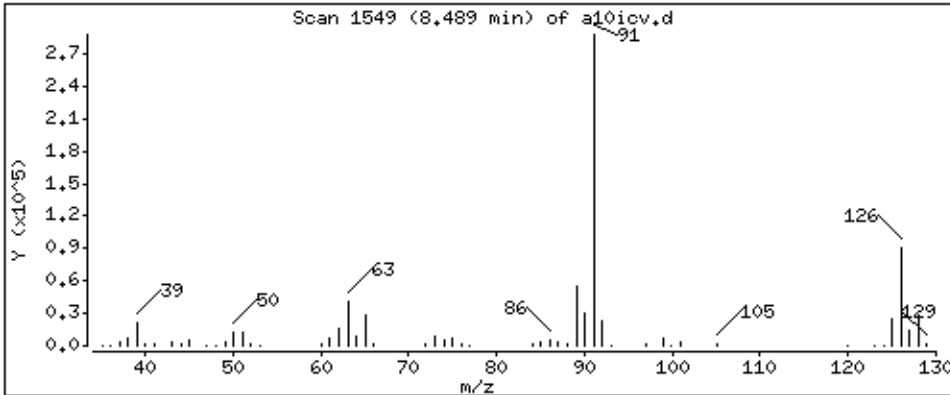
Operator: grm

Column phase: DB-624

Column diameter: 0,18

83 2-Chlorotoluene

Concentration: 51.2 ppb



Date : 19-JUN-2014 18:51

Client ID: 8260-ICV,71105;0

Instrument: 50mv1a.i

Sample Info: 8260-ICV,71105;0

Purge Volume: 5.0

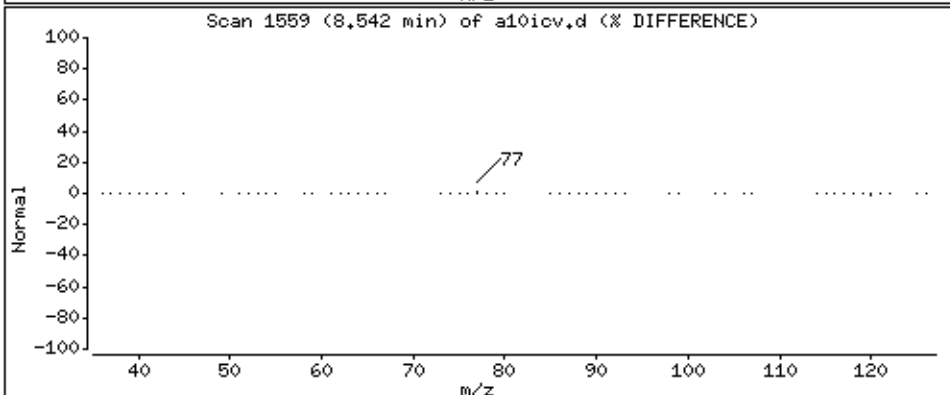
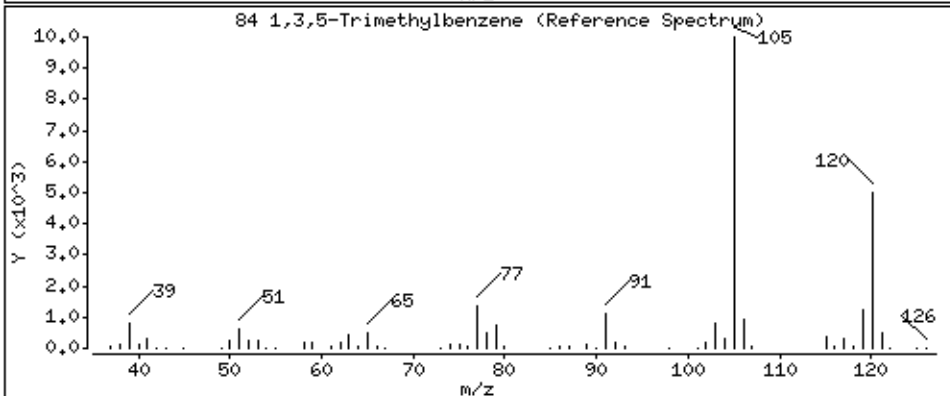
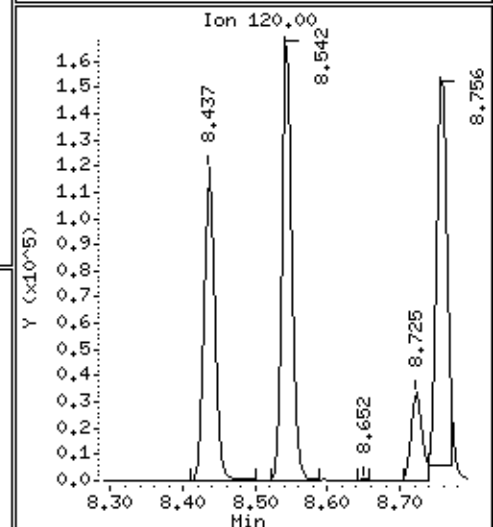
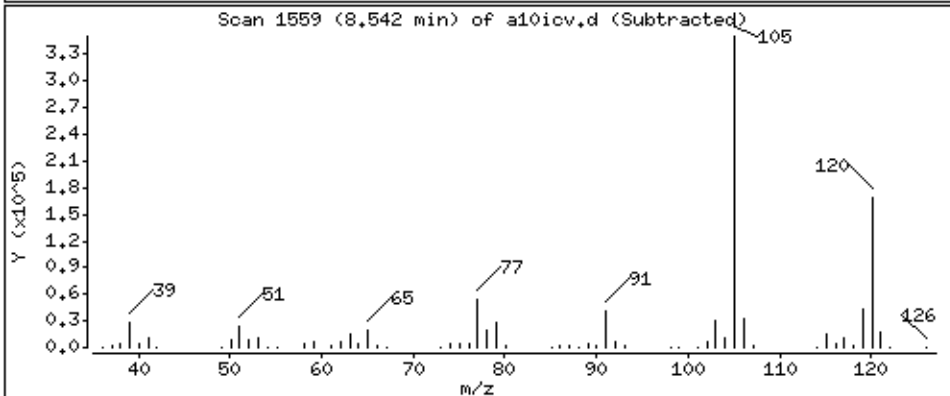
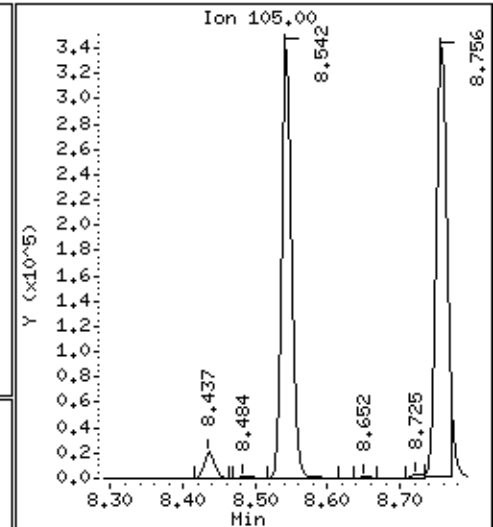
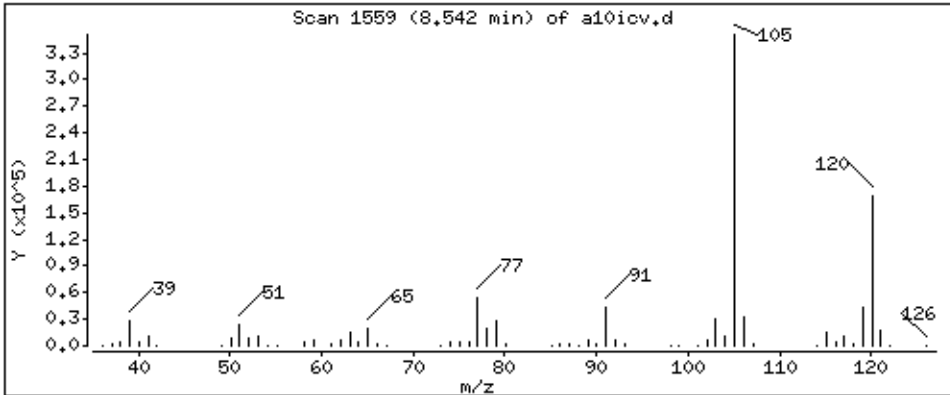
Operator: grm

Column phase: DB-624

Column diameter: 0,18

84 1,3,5-Trimethylbenzene

Concentration: 49,6 ppb



Date : 19-JUN-2014 18:51

Client ID: 8260-ICV,71105;0

Instrument: 50mv1a.i

Sample Info: 8260-ICV,71105;0

Purge Volume: 5.0

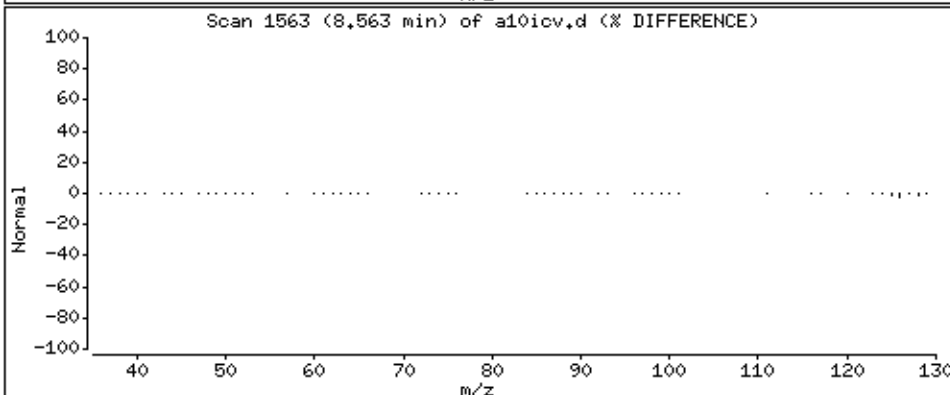
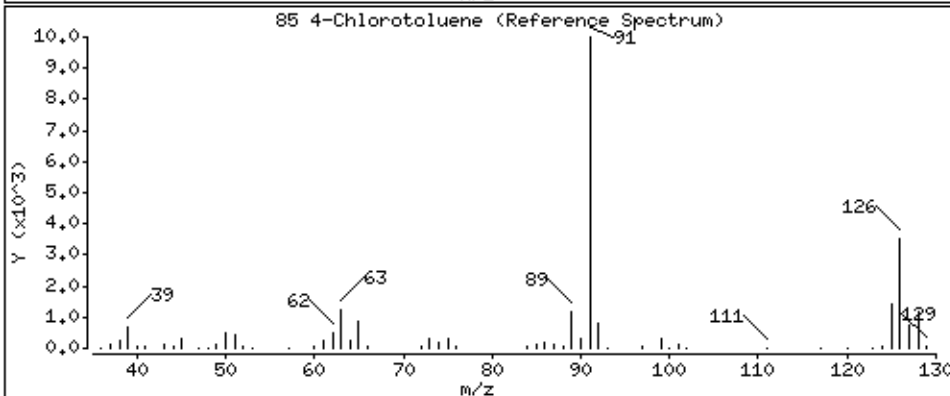
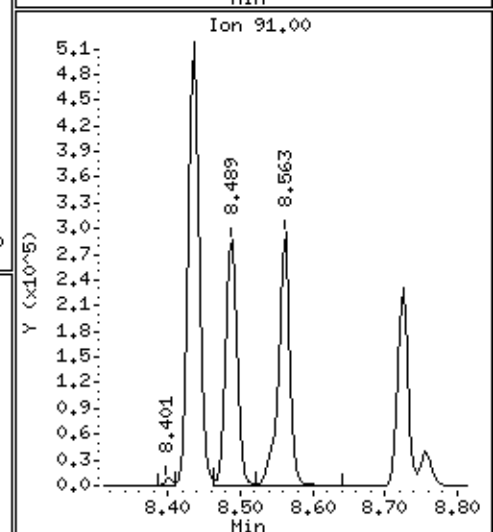
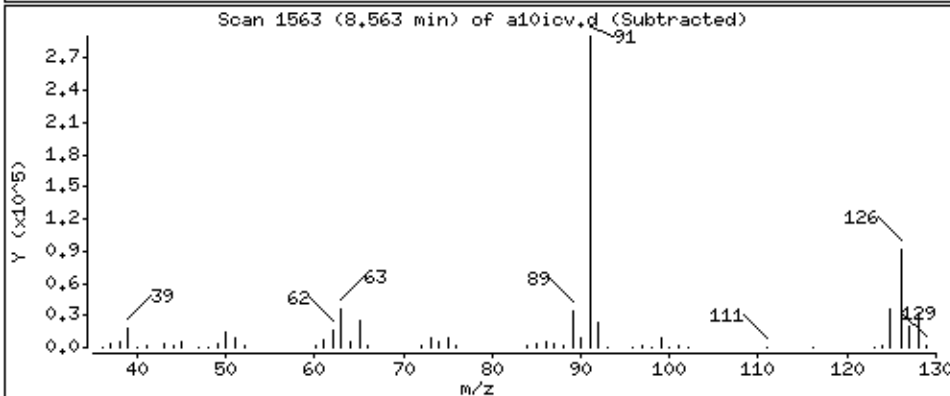
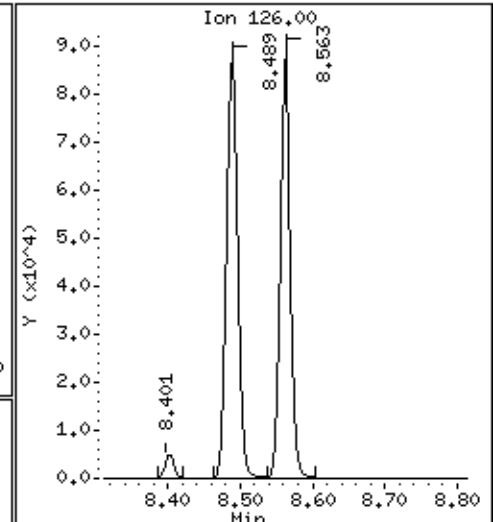
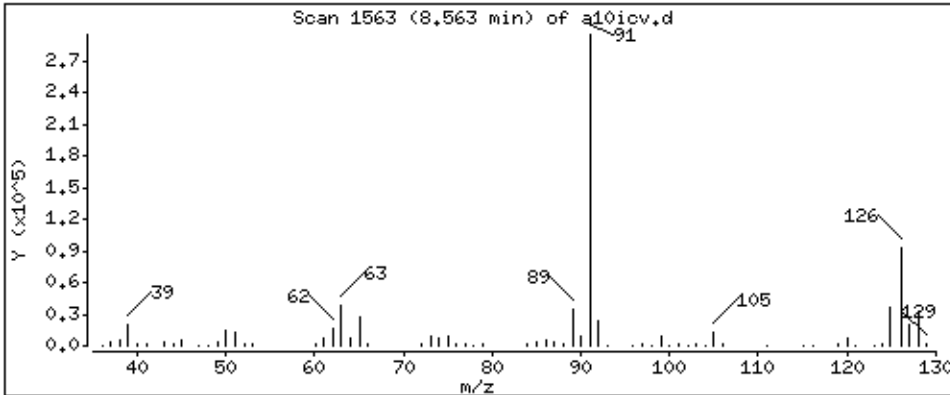
Operator: grm

Column phase: DB-624

Column diameter: 0,18

85 4-Chlorotoluene

Concentration: 50,2 ppb



Date : 19-JUN-2014 18:51

Client ID: 8260-ICV,71105:0

Instrument: 50mv1a.i

Sample Info: 8260-ICV,71105:0

Purge Volume: 5.0

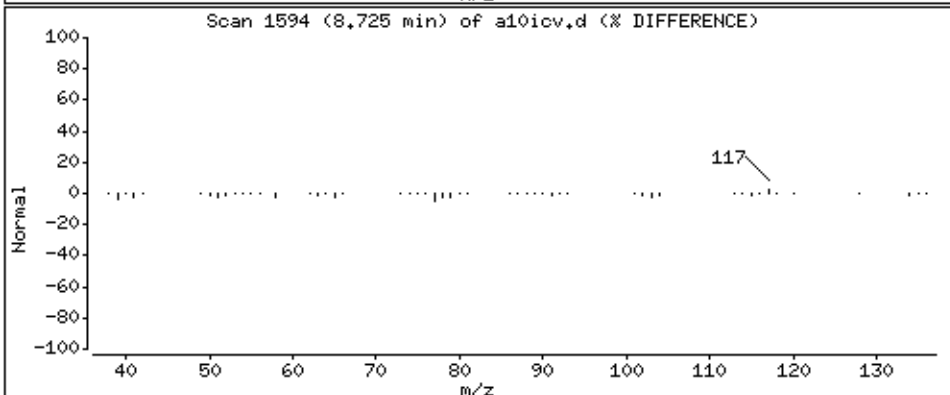
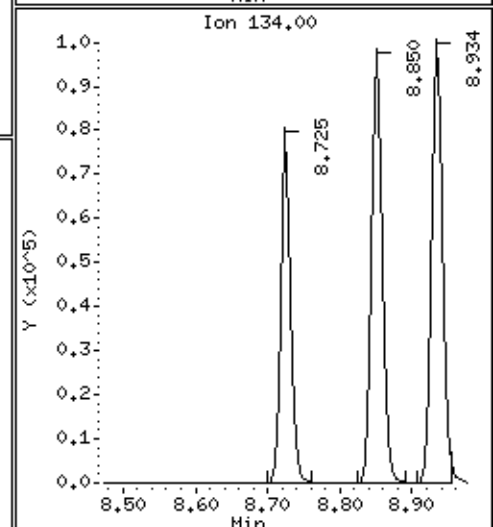
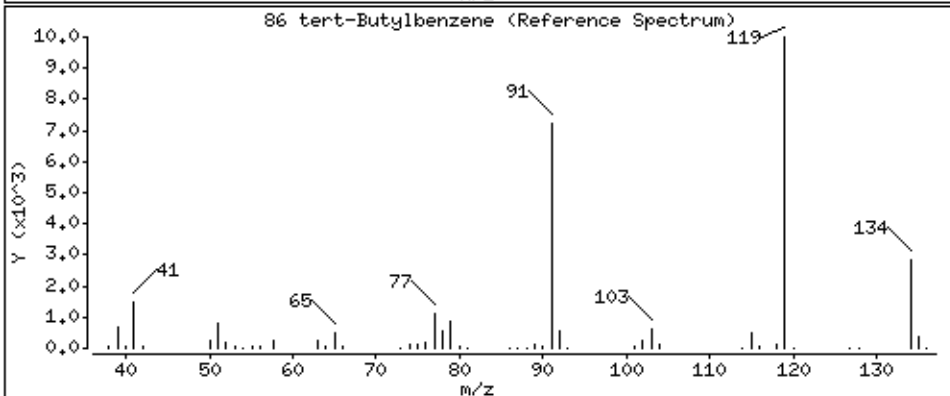
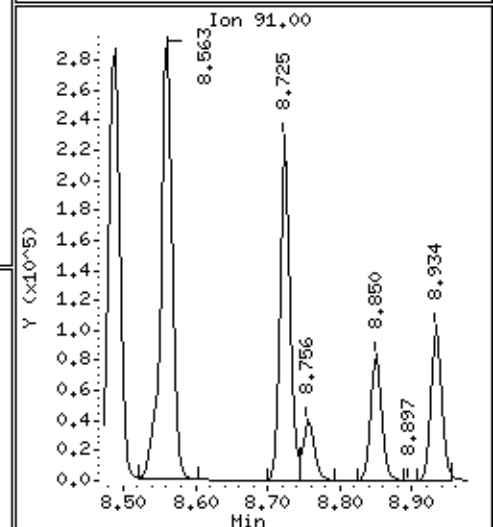
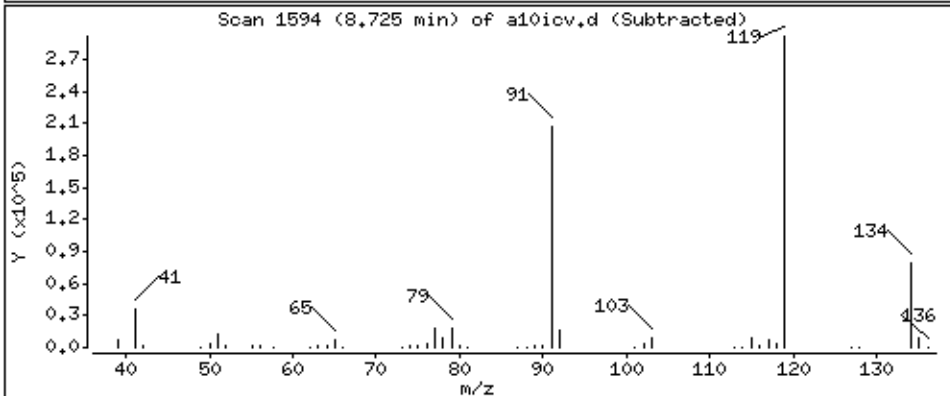
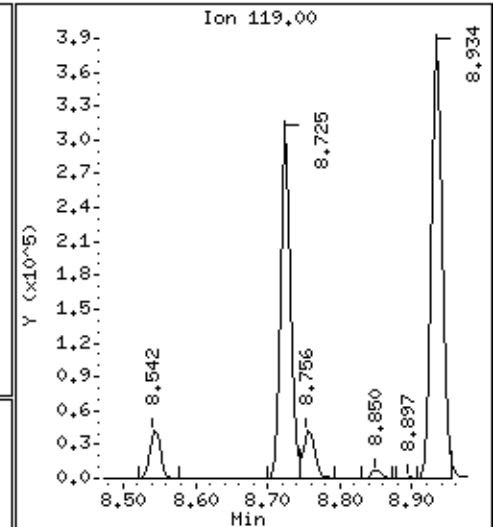
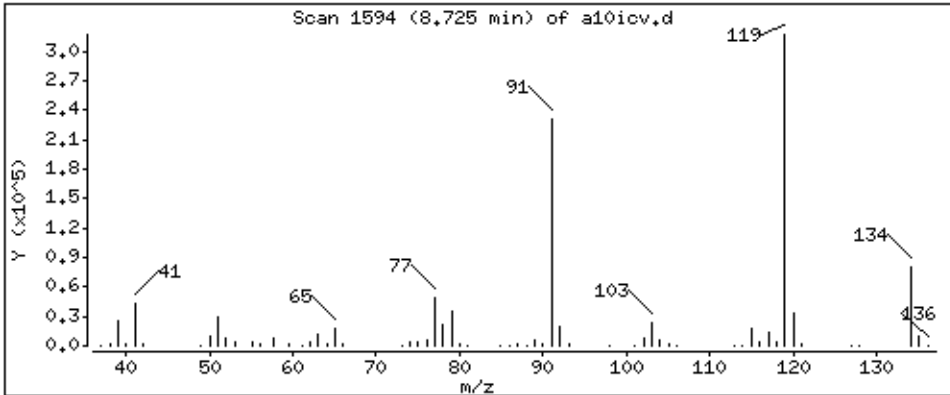
Operator: grm

Column phase: DB-624

Column diameter: 0,18

86 tert-Butylbenzene

Concentration: 51.0 ppb



Date : 19-JUN-2014 18:51

Client ID: 8260-ICV,71105;0

Instrument: 50mv1a.i

Sample Info: 8260-ICV,71105;0

Purge Volume: 5.0

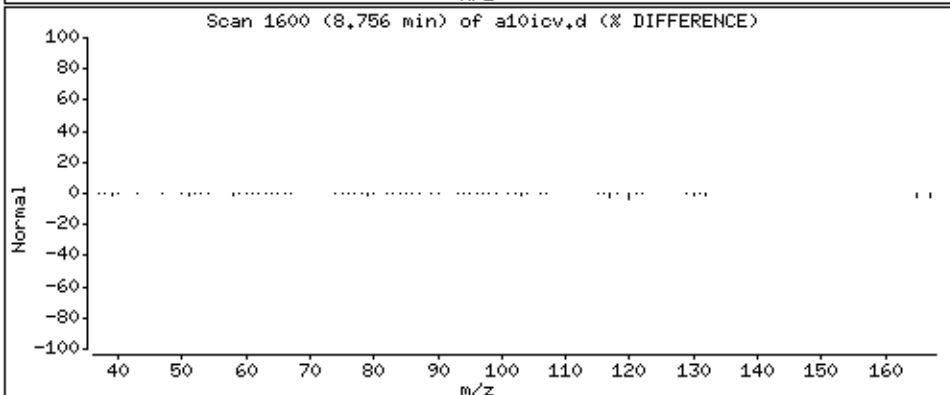
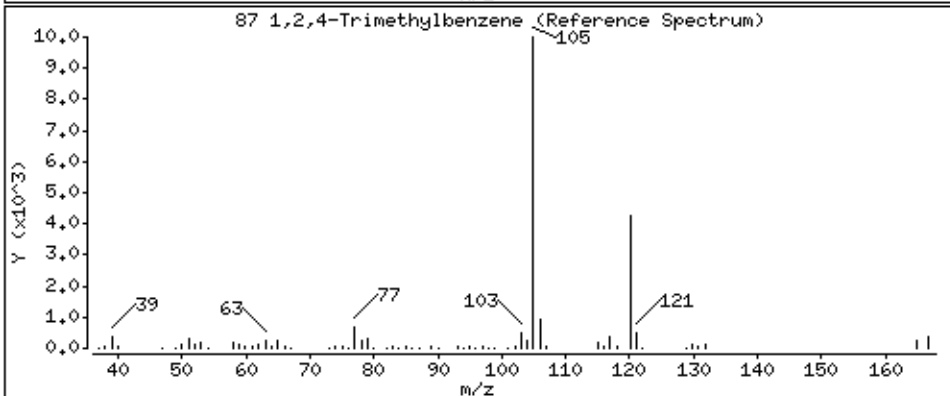
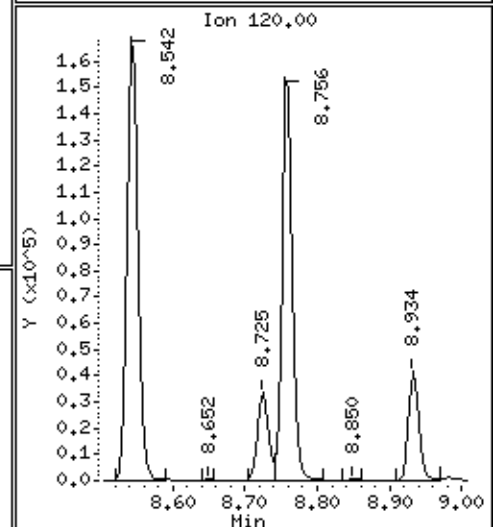
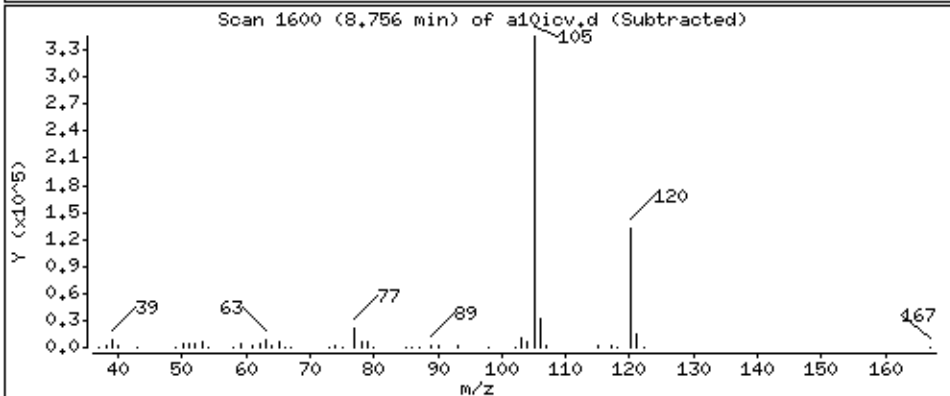
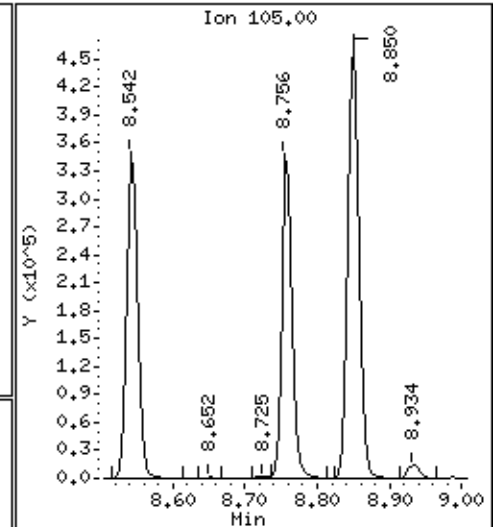
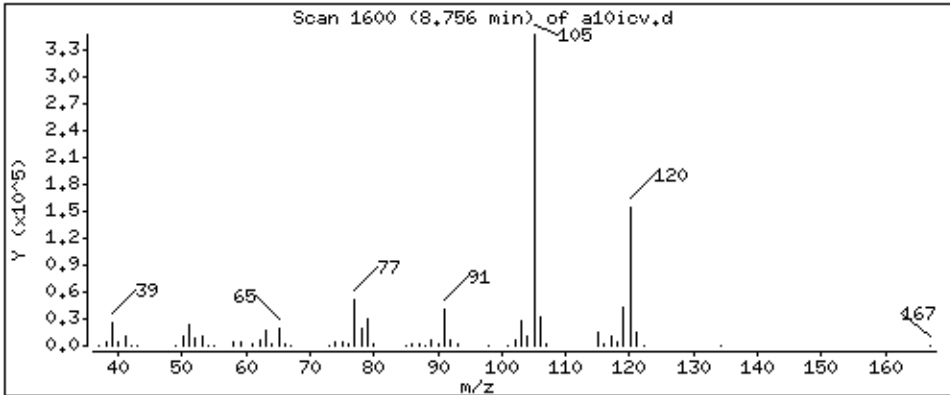
Operator: grm

Column phase: DB-624

Column diameter: 0,18

87 1,2,4-Trimethylbenzene

Concentration: 52.0 ppb



Date : 19-JUN-2014 18:51

Client ID: 8260-ICV,71105:0

Instrument: 50mv1a.i

Sample Info: 8260-ICV,71105:0

Purge Volume: 5.0

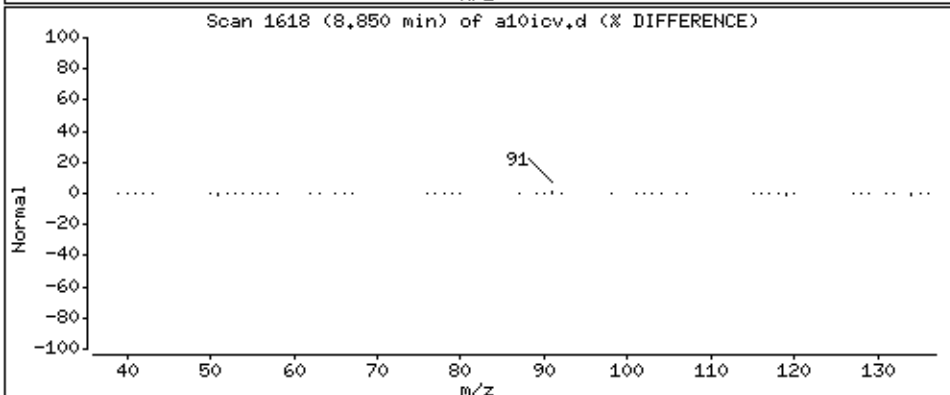
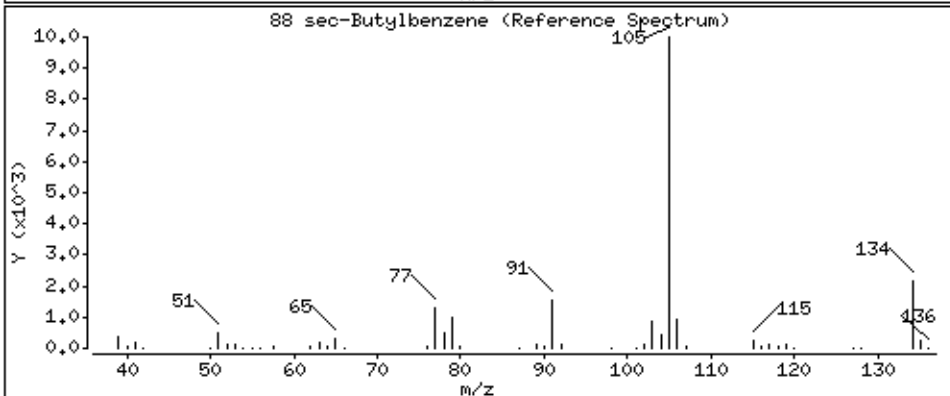
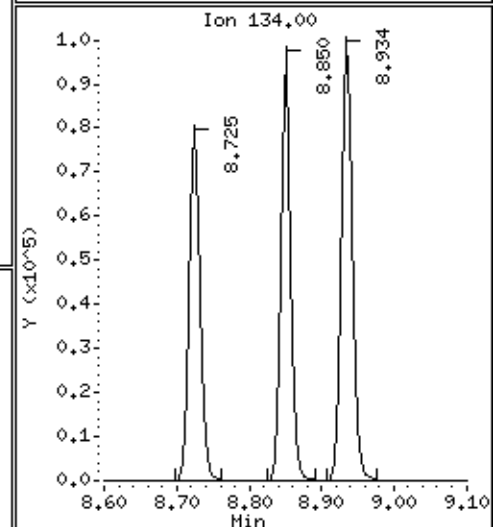
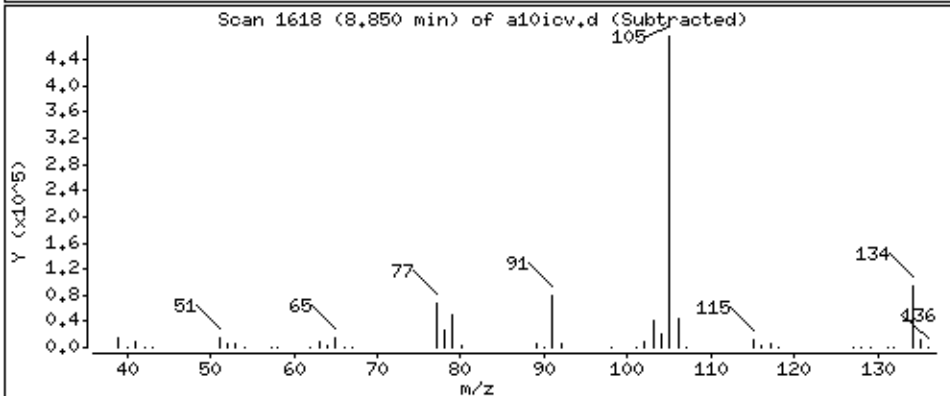
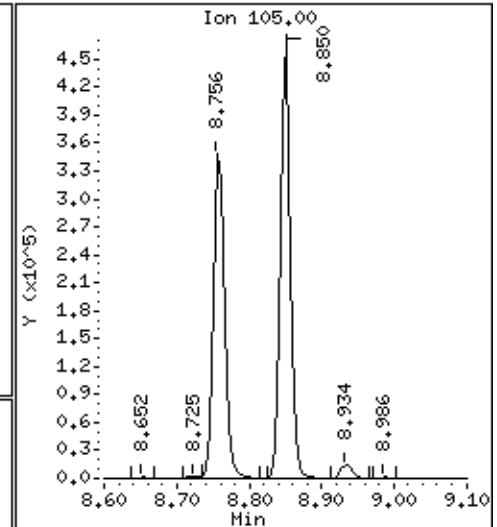
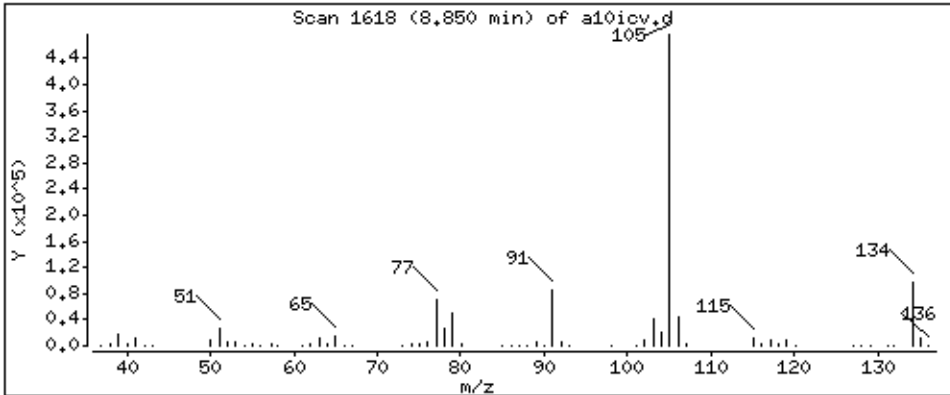
Operator: grm

Column phase: DB-624

Column diameter: 0,18

88 sec-Butylbenzene

Concentration: 52,5 ppb



Date : 19-JUN-2014 18:51

Client ID: 8260-ICV,71105:0

Instrument: 50mv1a.i

Sample Info: 8260-ICV,71105:0

Purge Volume: 5.0

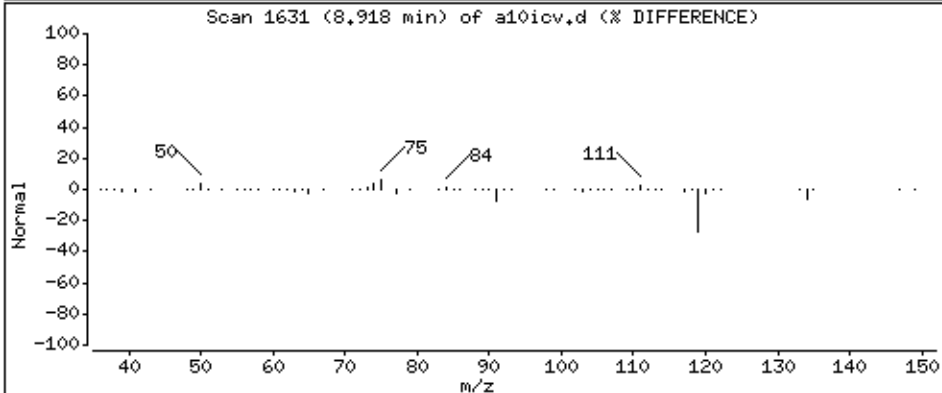
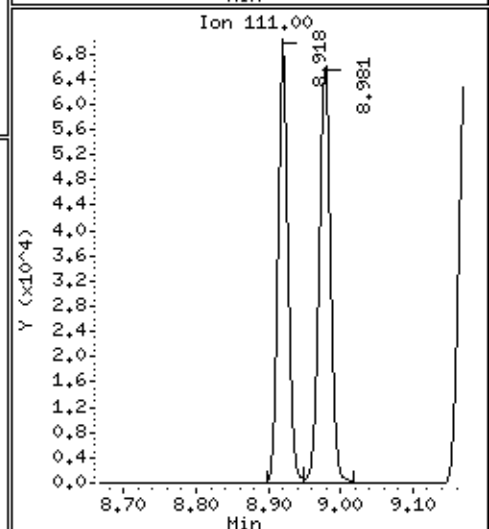
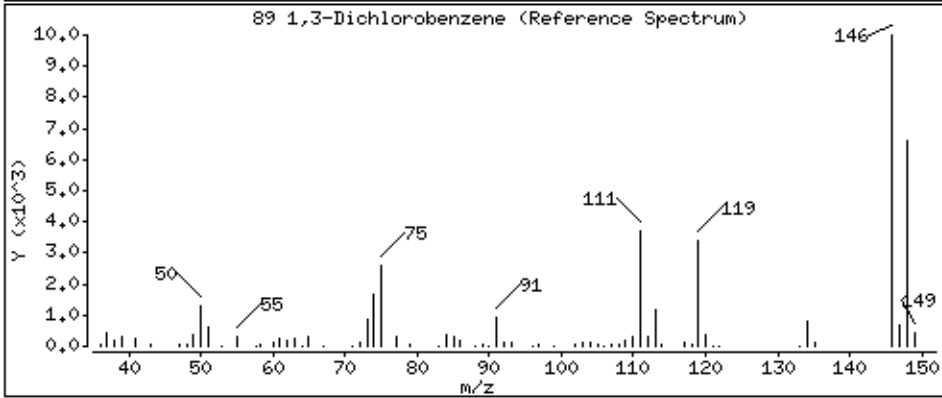
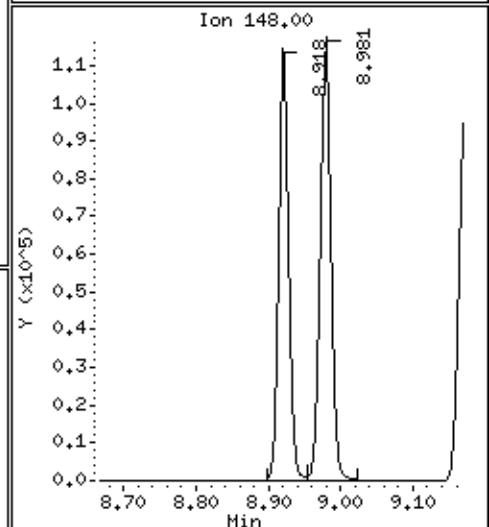
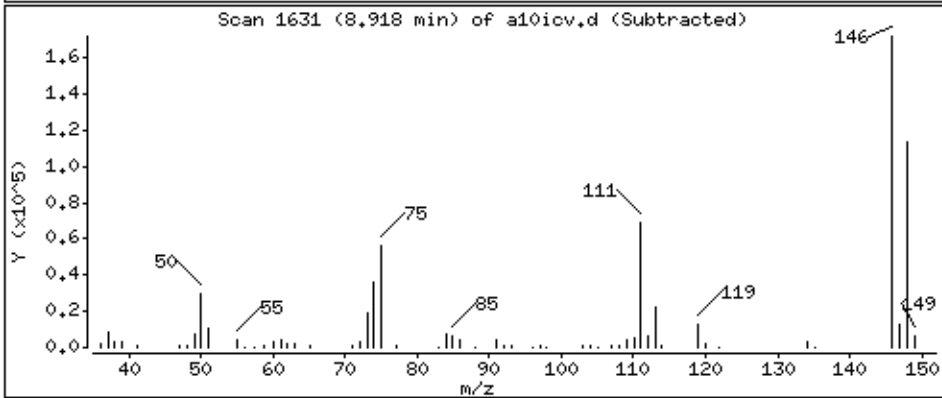
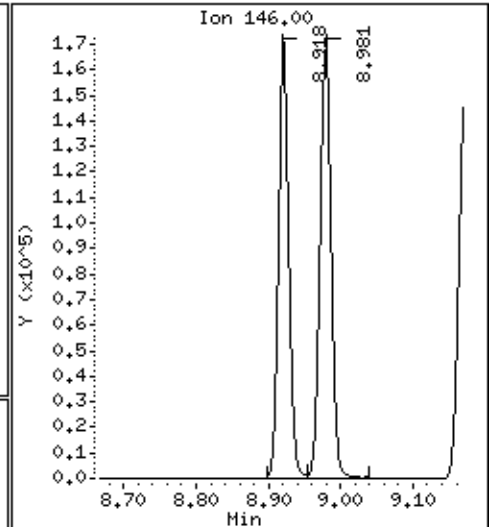
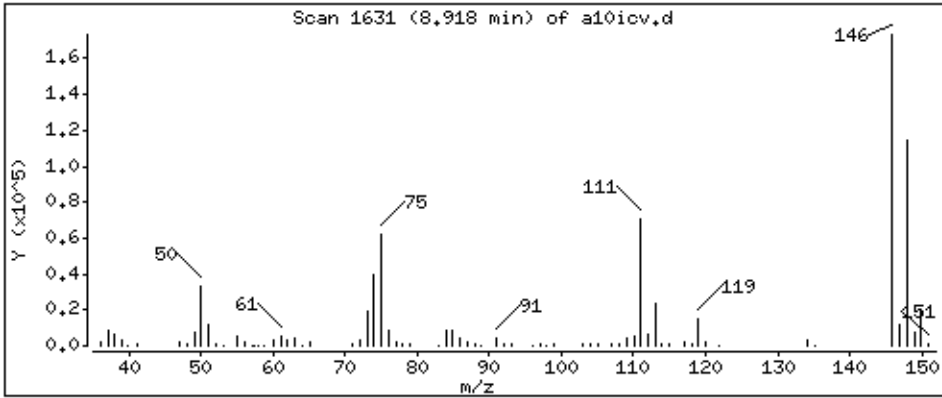
Operator: grm

Column phase: DB-624

Column diameter: 0,18

89 1,3-Dichlorobenzene

Concentration: 49,6 ppb



Date : 19-JUN-2014 18:51

Client ID: 8260-ICV,71105:0

Instrument: 50mv1a.i

Sample Info: 8260-ICV,71105:0

Purge Volume: 5.0

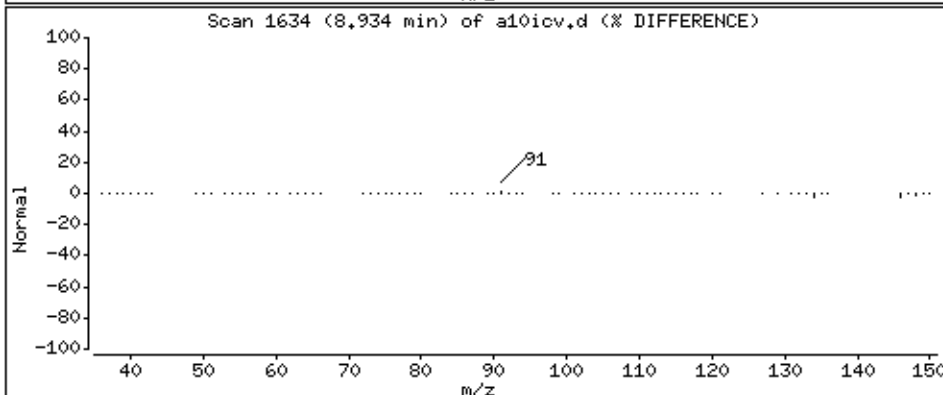
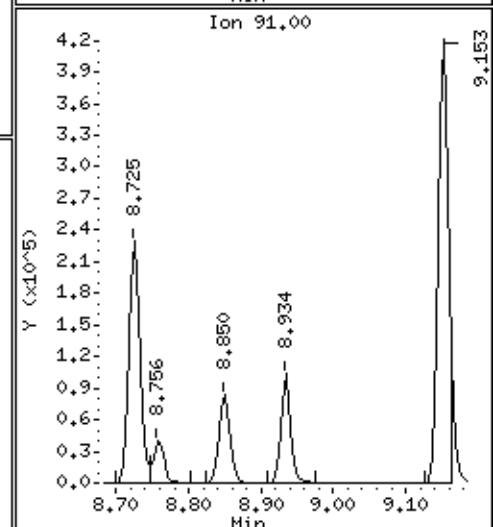
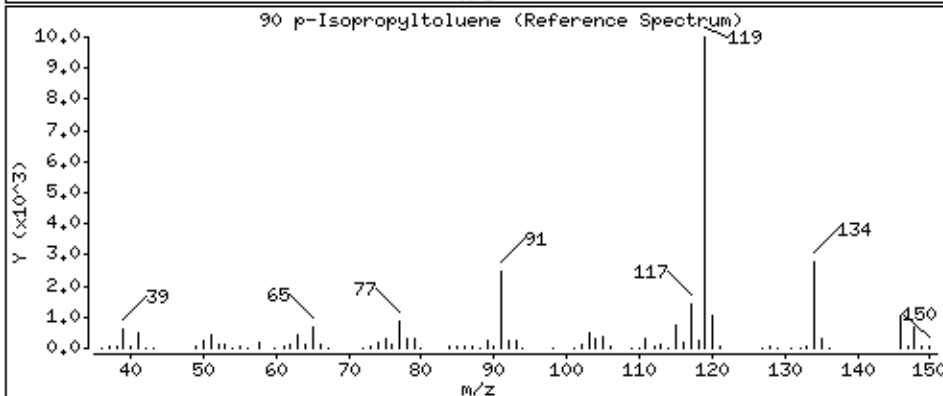
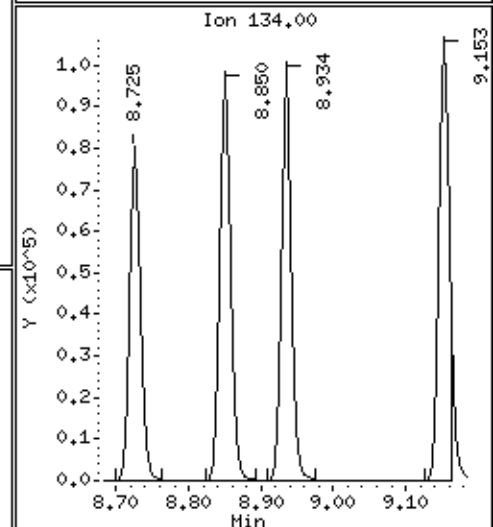
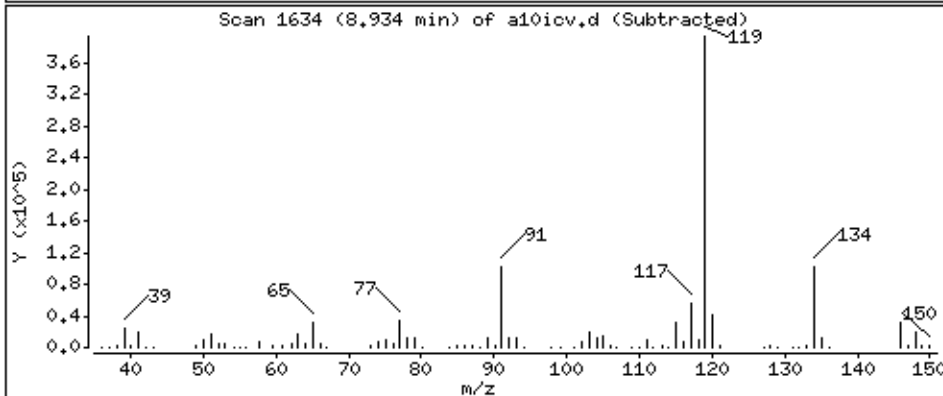
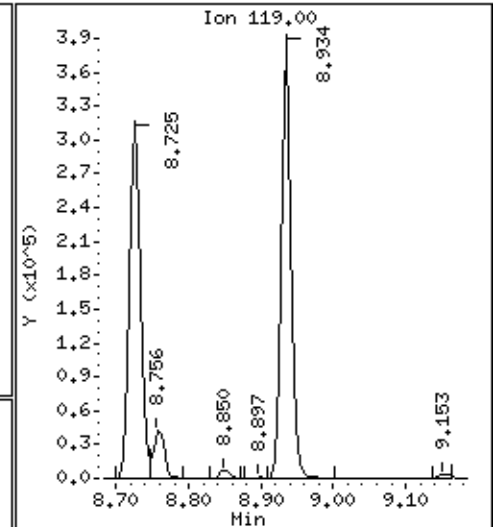
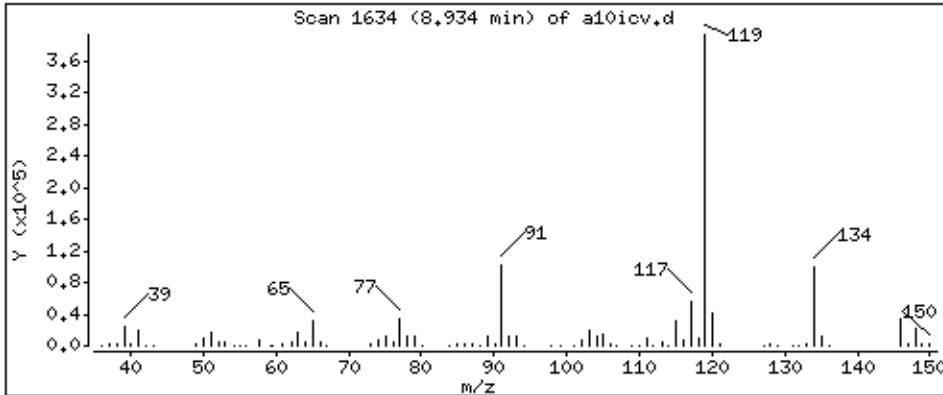
Operator: grm

Column phase: DB-624

Column diameter: 0,18

90 p-Isopropyltoluene

Concentration: 49.8 ppb



Date : 19-JUN-2014 18:51

Client ID: 8260-ICV,71105;0

Instrument: 50mv1a.i

Sample Info: 8260-ICV,71105;0

Purge Volume: 5.0

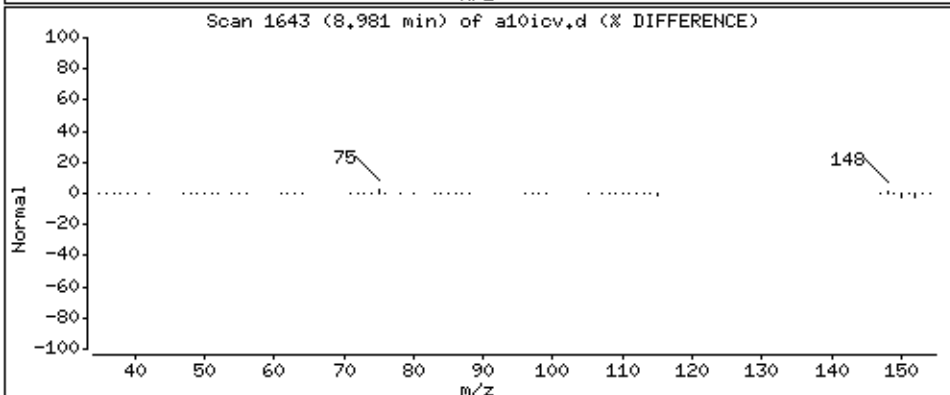
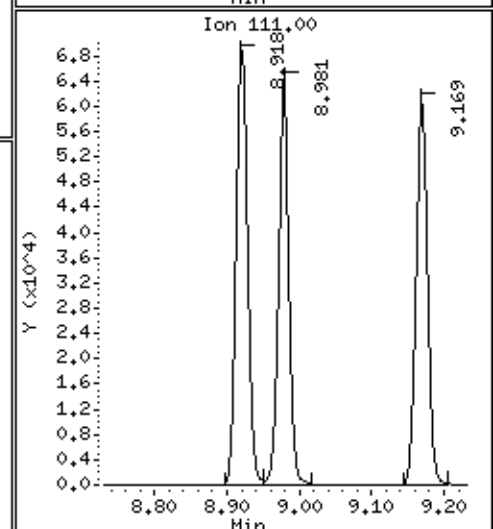
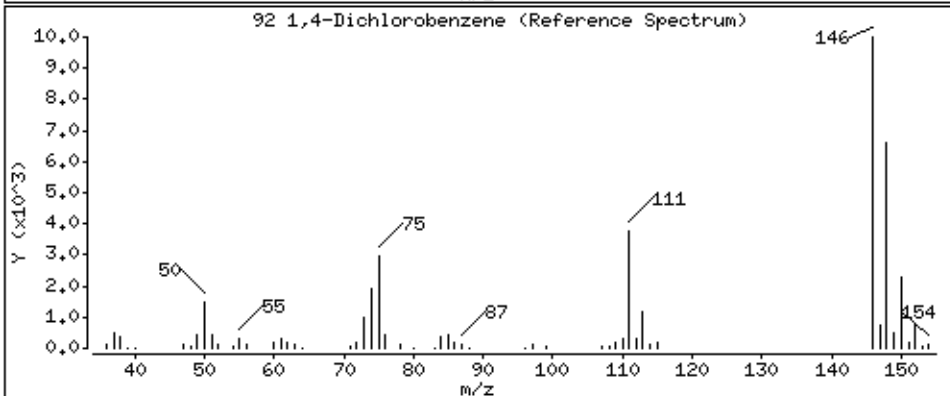
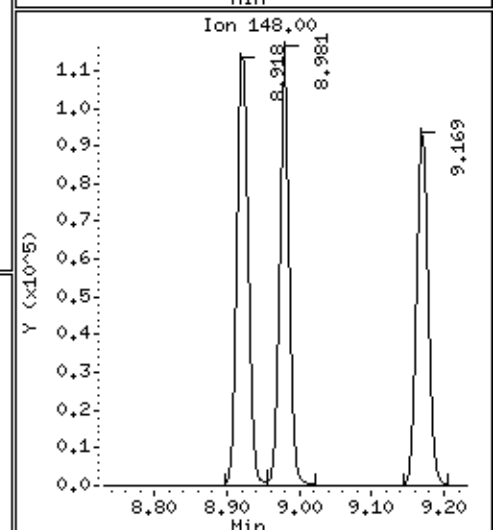
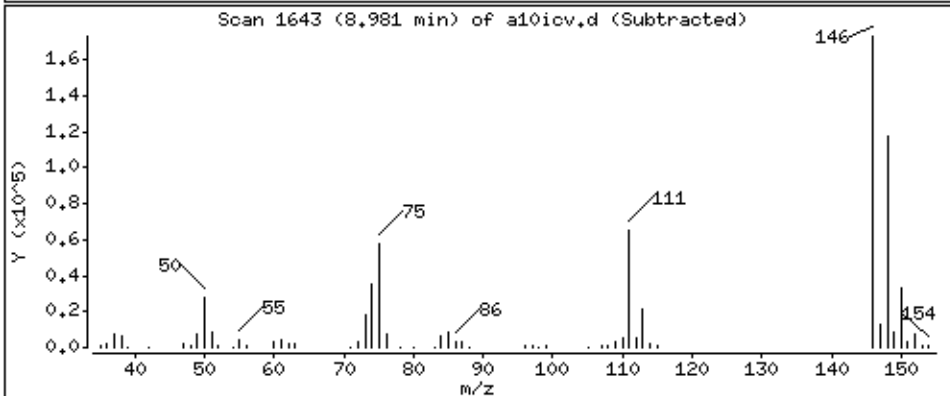
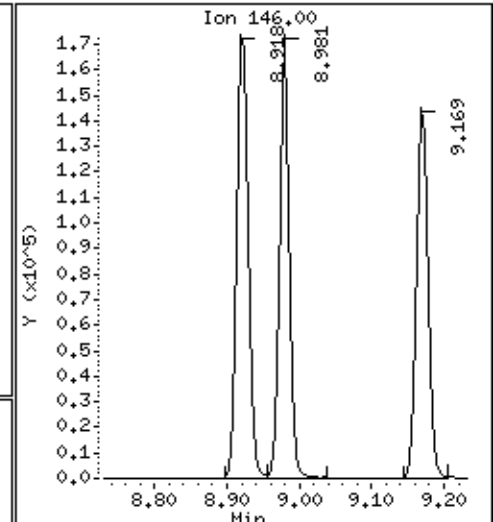
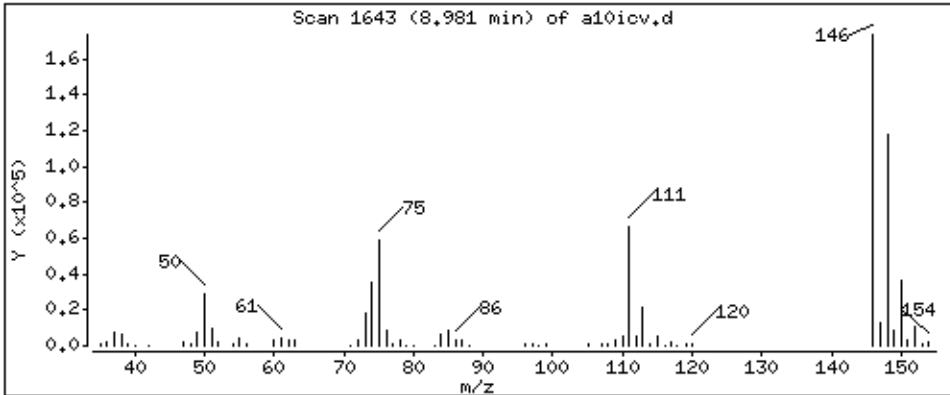
Operator: grm

Column phase: DB-624

Column diameter: 0,18

92 1,4-Dichlorobenzene

Concentration: 48,7 ppb



Date : 19-JUN-2014 18:51

Client ID: 8260-ICV,71105:0

Instrument: 50mv1a.i

Sample Info: 8260-ICV,71105:0

Purge Volume: 5.0

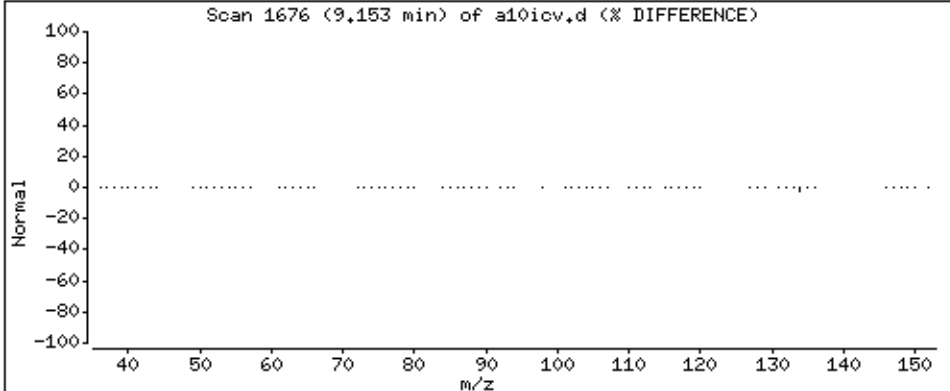
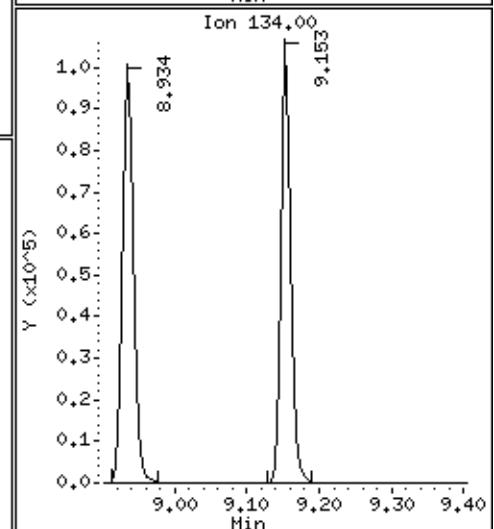
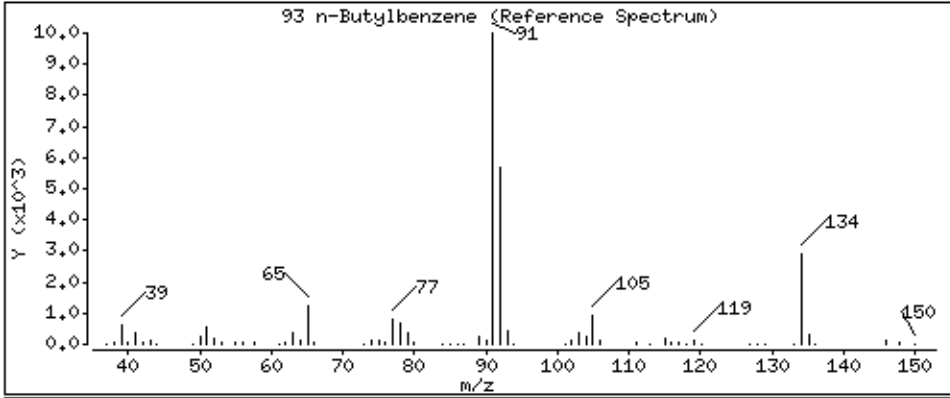
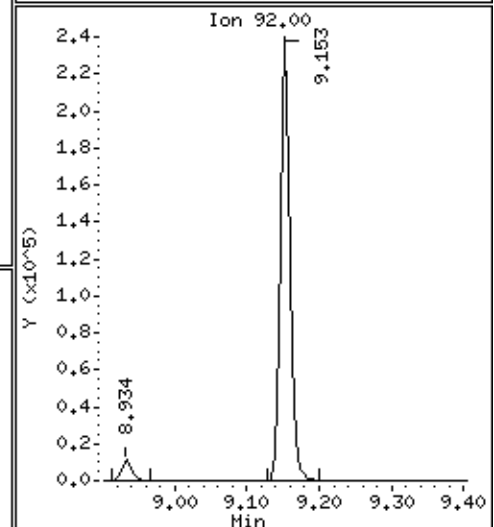
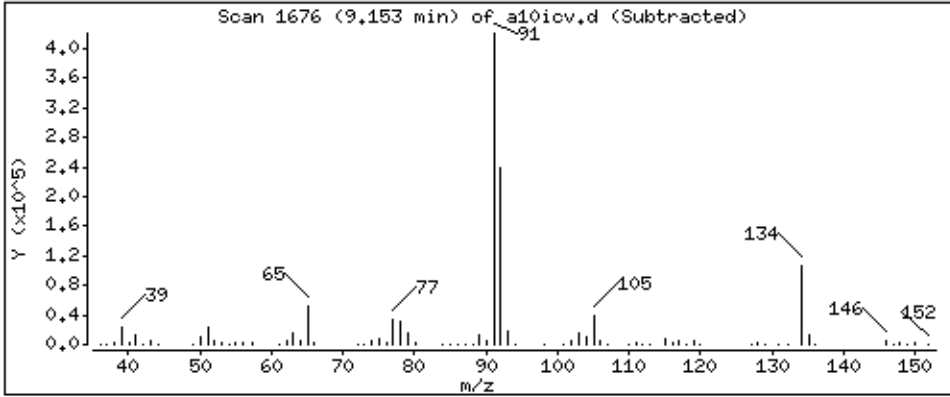
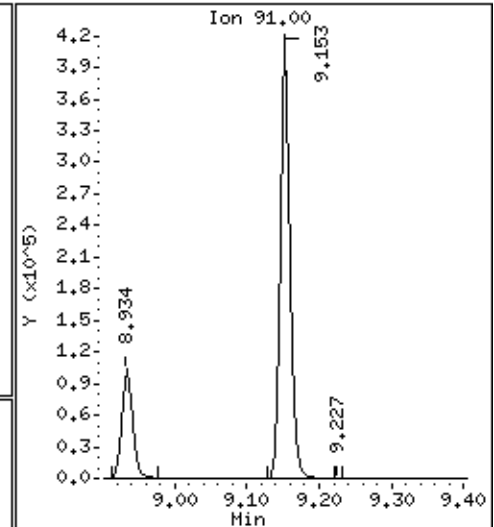
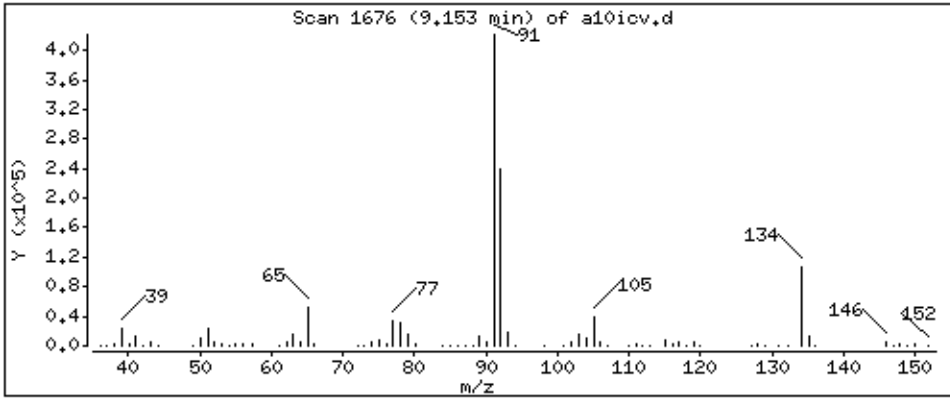
Operator: grm

Column phase: DB-624

Column diameter: 0,18

93 n-Butylbenzene

Concentration: 52.8 ppb



Date : 19-JUN-2014 18:51

Client ID: 8260-ICV,71105;0

Instrument: 50mv1a.i

Sample Info: 8260-ICV,71105;0

Purge Volume: 5.0

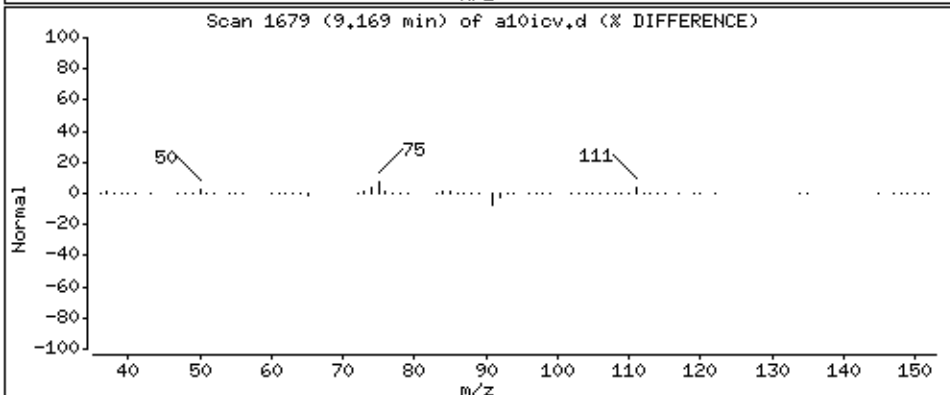
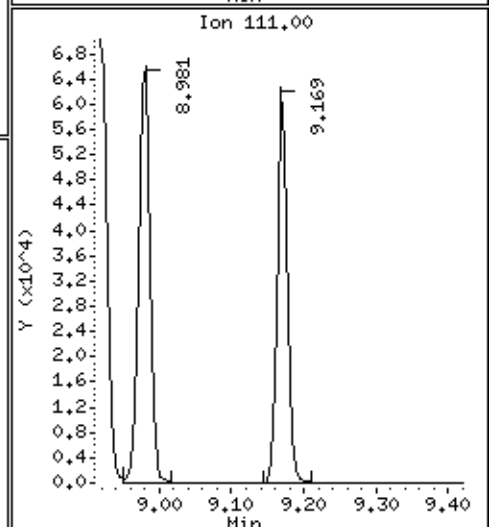
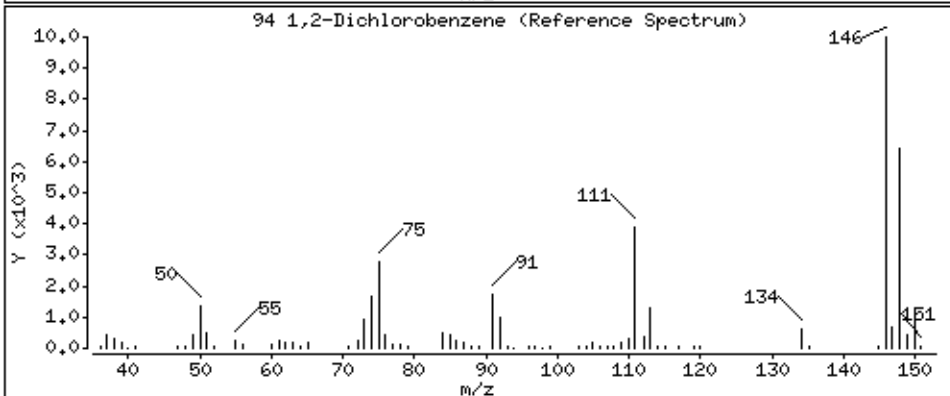
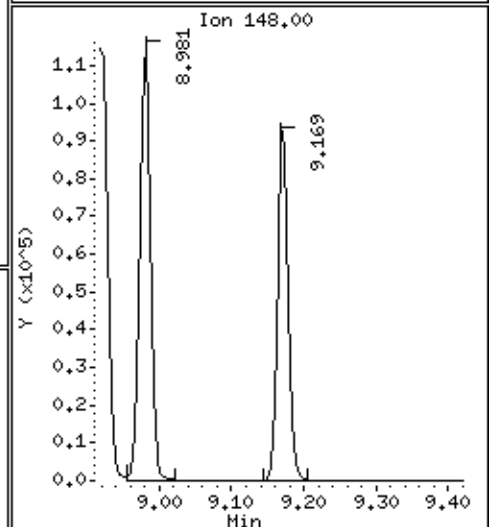
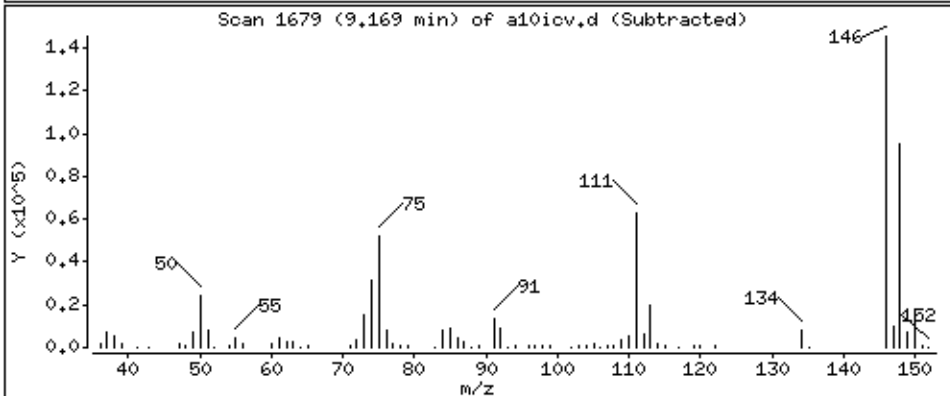
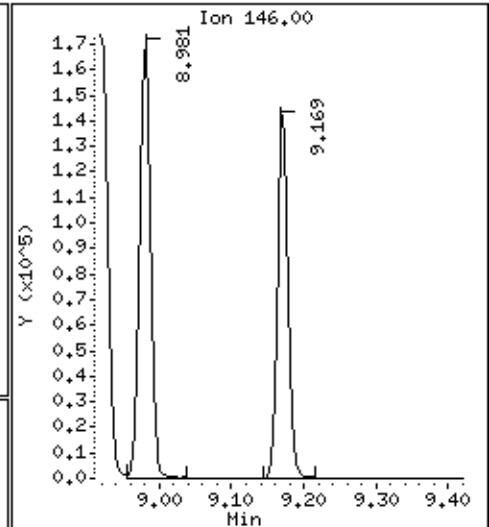
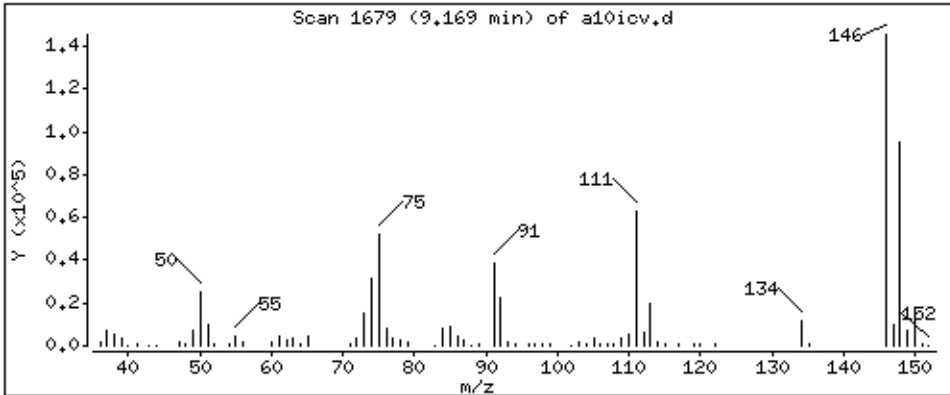
Operator: grm

Column phase: DB-624

Column diameter: 0,18

94 1,2-Dichlorobenzene

Concentration: 49.0 ppb



Date : 19-JUN-2014 18:51

Client ID: 8260-ICV,71105;0

Instrument: 50mv1a.i

Sample Info: 8260-ICV,71105;0

Purge Volume: 5.0

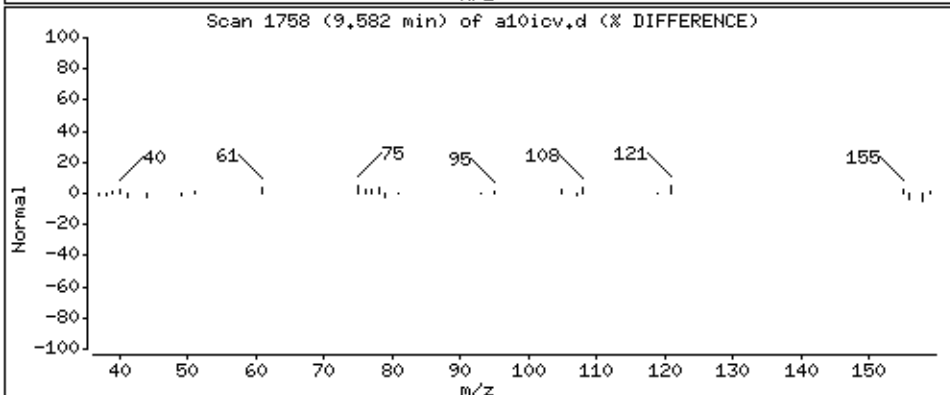
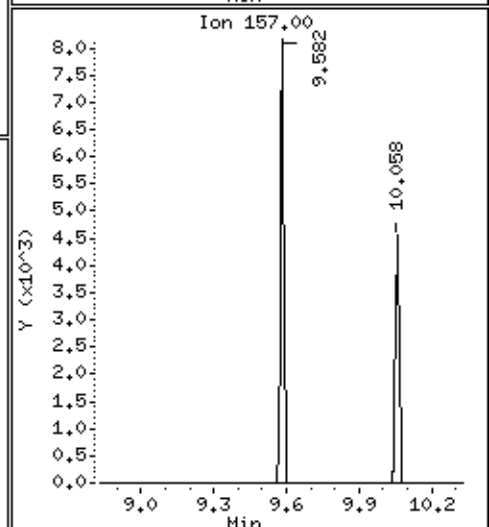
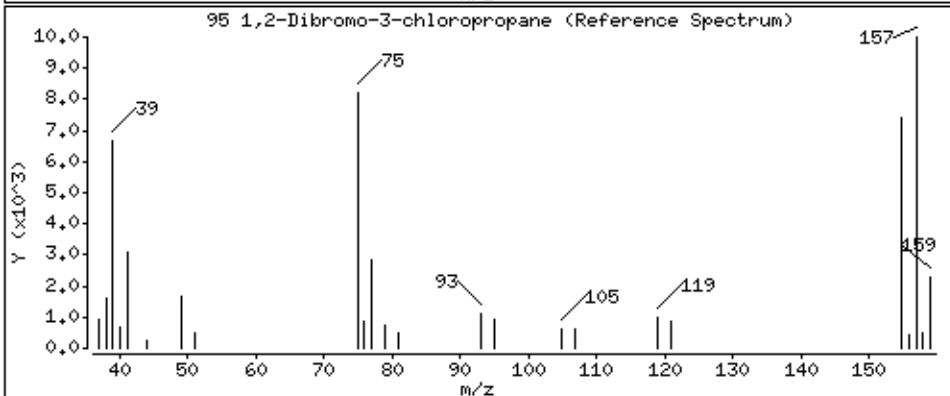
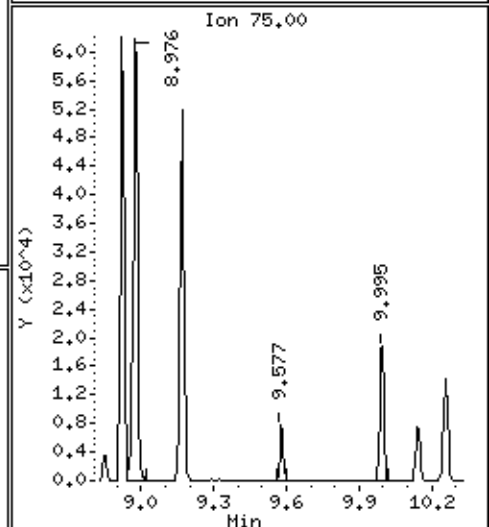
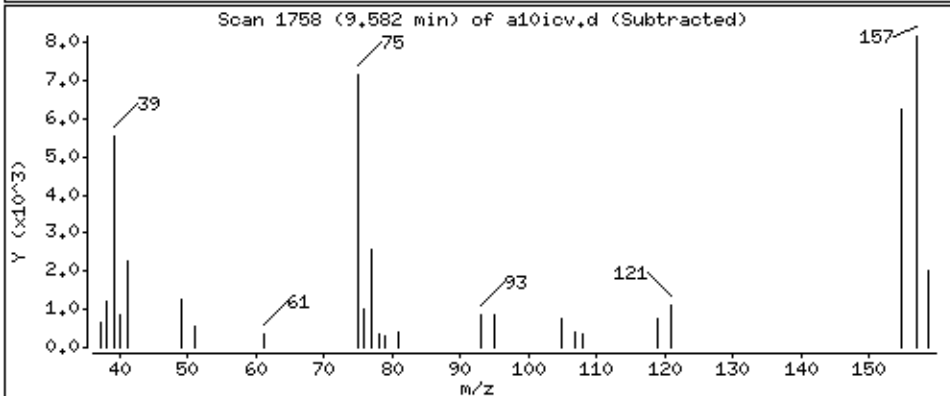
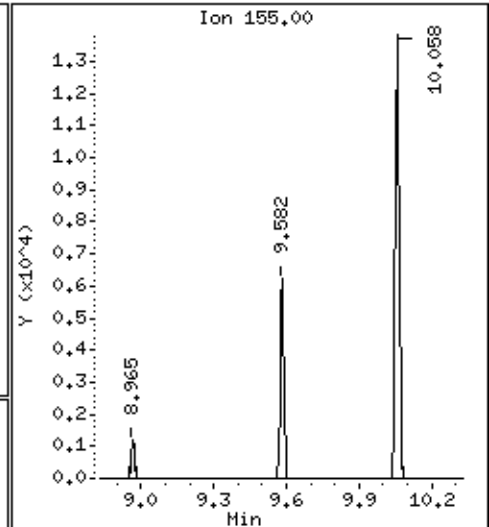
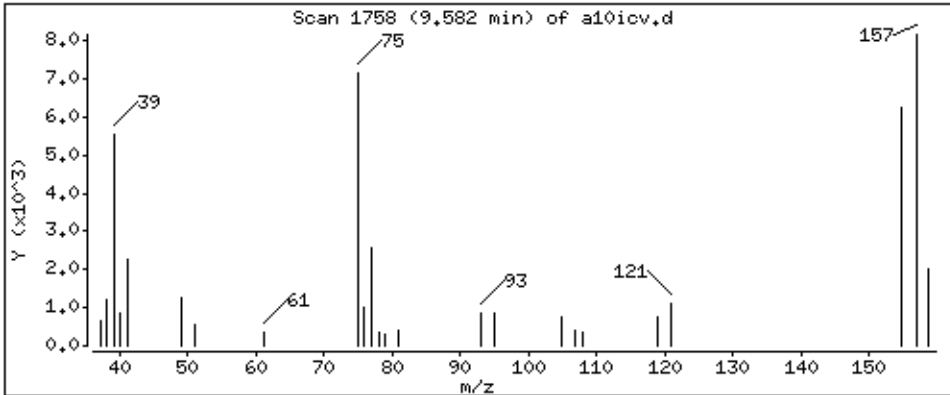
Operator: grm

Column phase: DB-624

Column diameter: 0,18

95 1,2-Dibromo-3-chloropropane

Concentration: 44,5 ppb



Date : 19-JUN-2014 18:51

Client ID: 8260-ICV,71105;0

Instrument: 50mv1a.i

Sample Info: 8260-ICV,71105;0

Purge Volume: 5.0

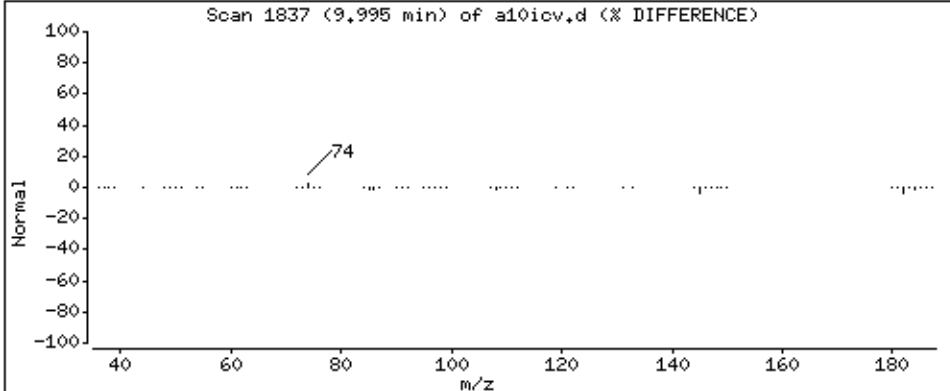
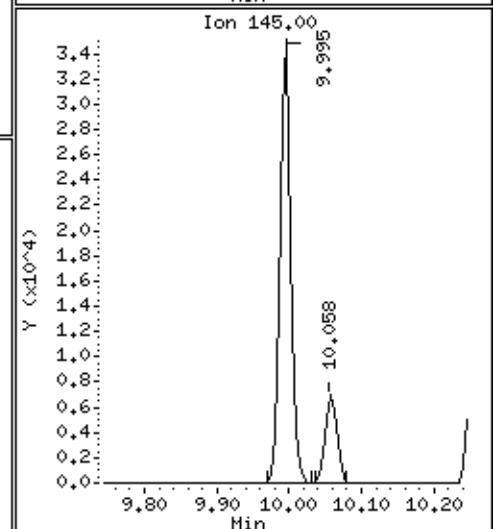
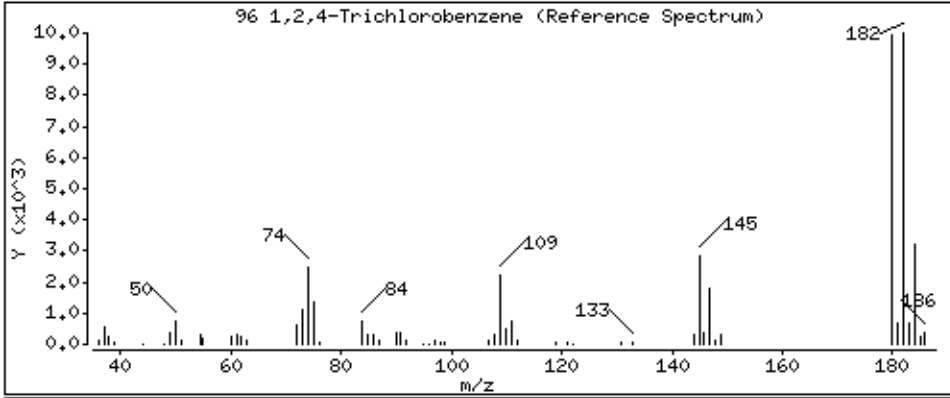
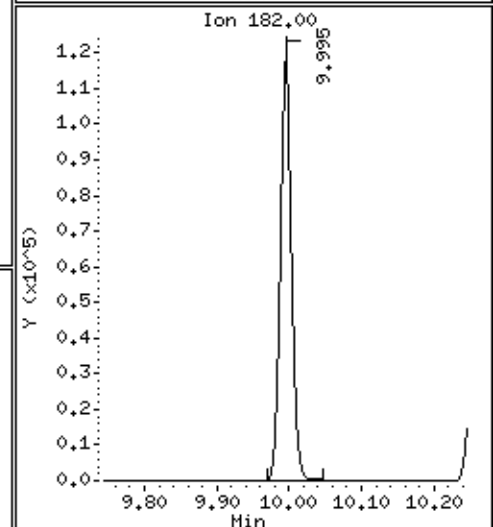
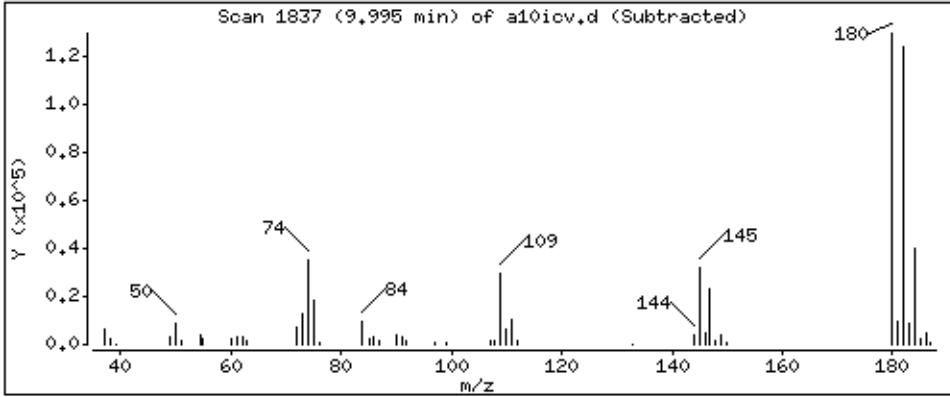
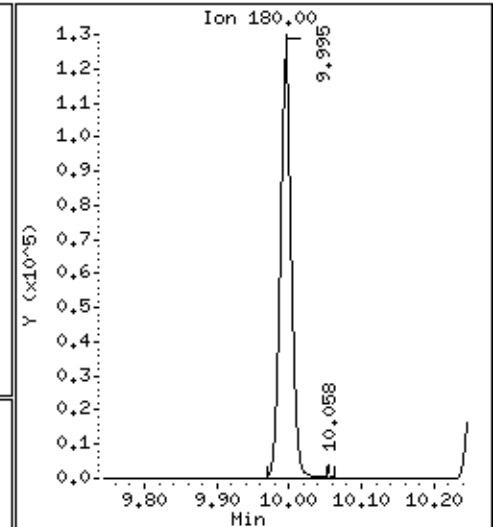
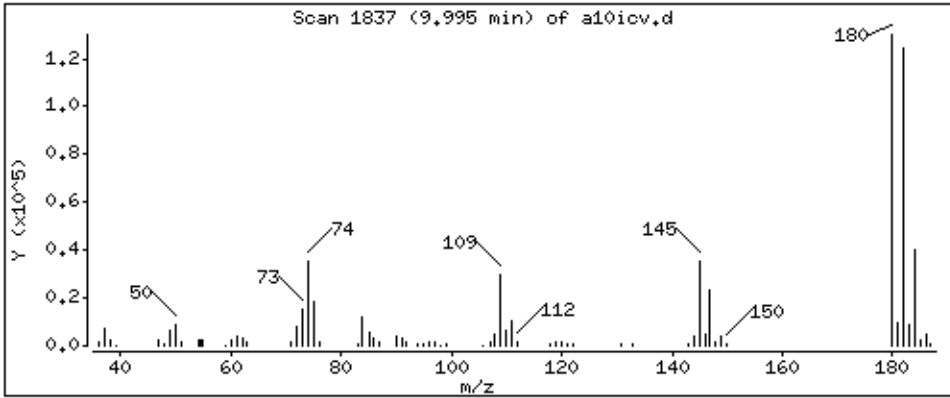
Operator: grm

Column phase: DB-624

Column diameter: 0,18

96 1,2,4-Trichlorobenzene

Concentration: 52.2 ppb



Date : 19-JUN-2014 18:51

Client ID: 8260-ICV,71105:0

Instrument: 50mv1a.i

Sample Info: 8260-ICV,71105:0

Purge Volume: 5.0

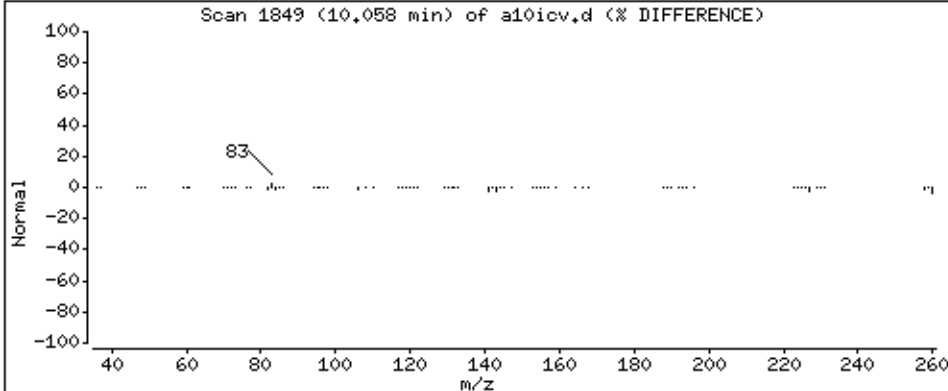
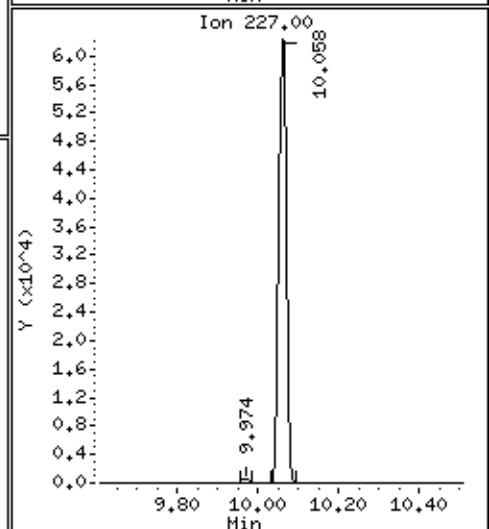
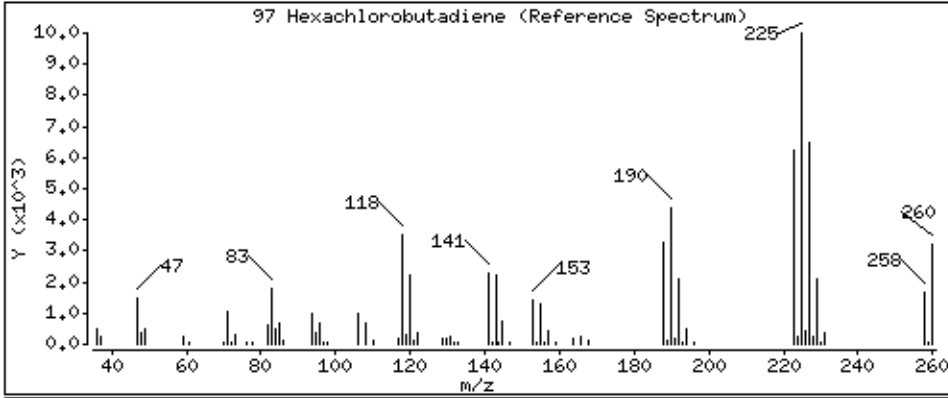
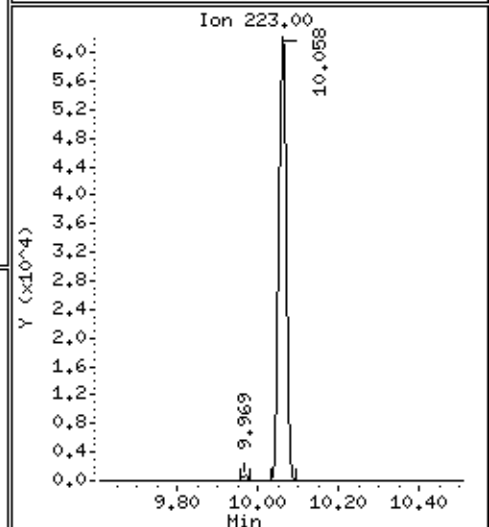
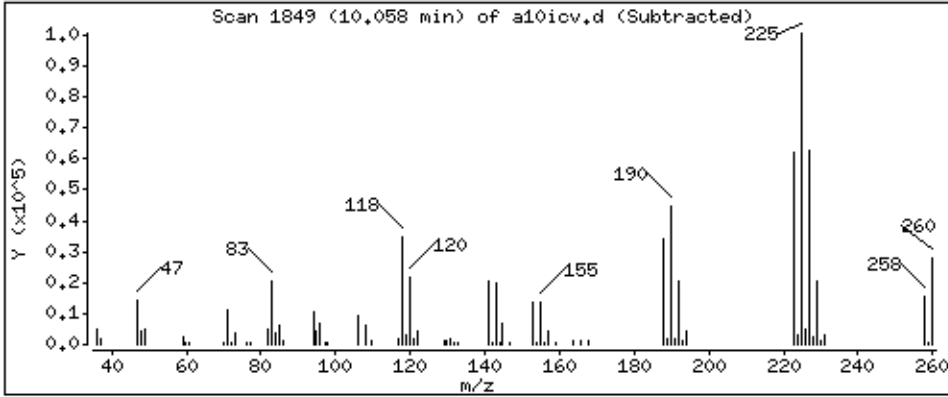
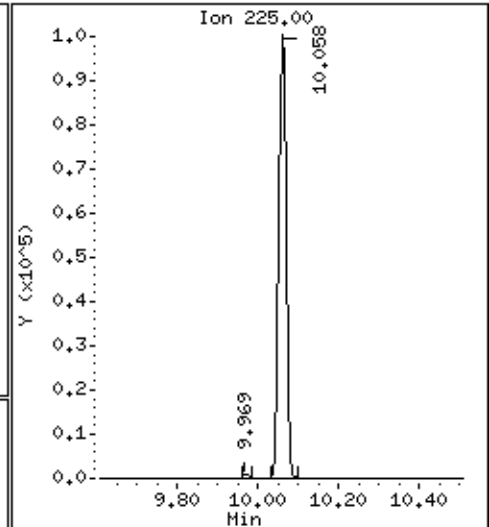
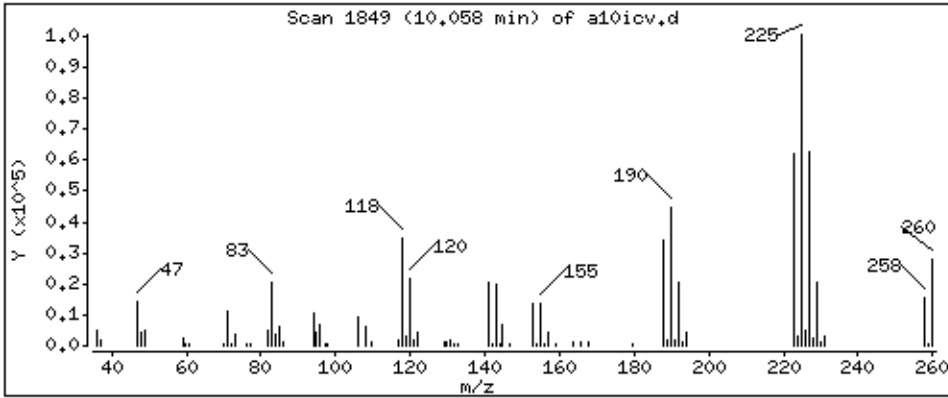
Operator: grm

Column phase: DB-624

Column diameter: 0,18

97 Hexachlorobutadiene

Concentration: 48,3 ppb



Date : 19-JUN-2014 18:51

Client ID: 8260-ICV,71105:0

Instrument: 50mv1a.i

Sample Info: 8260-ICV,71105:0

Purge Volume: 5.0

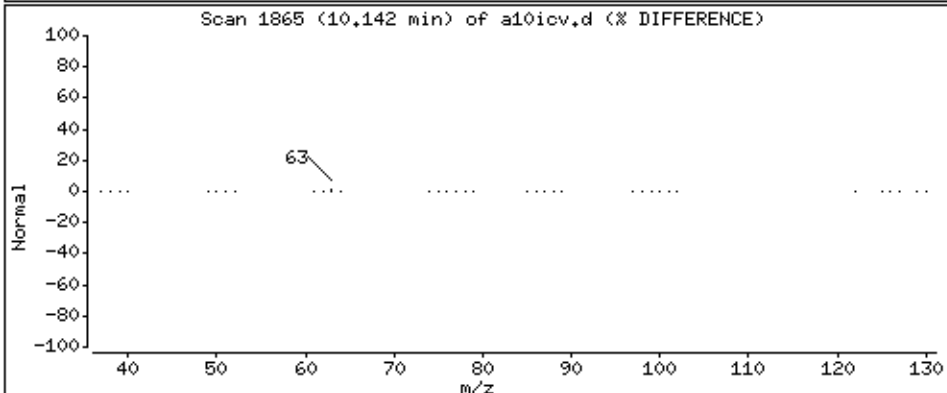
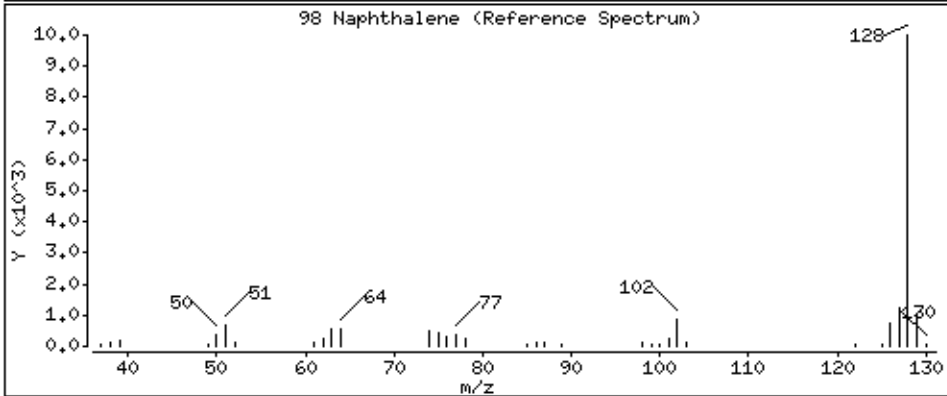
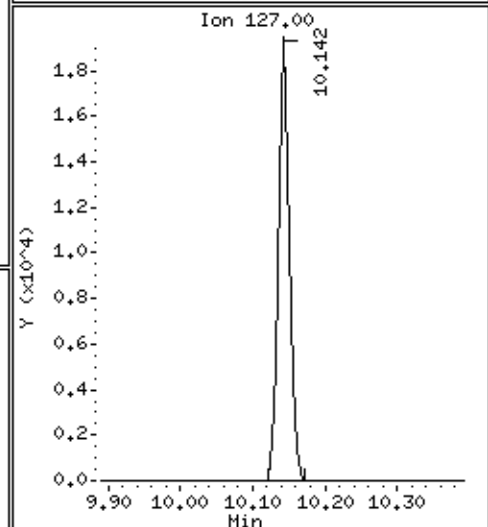
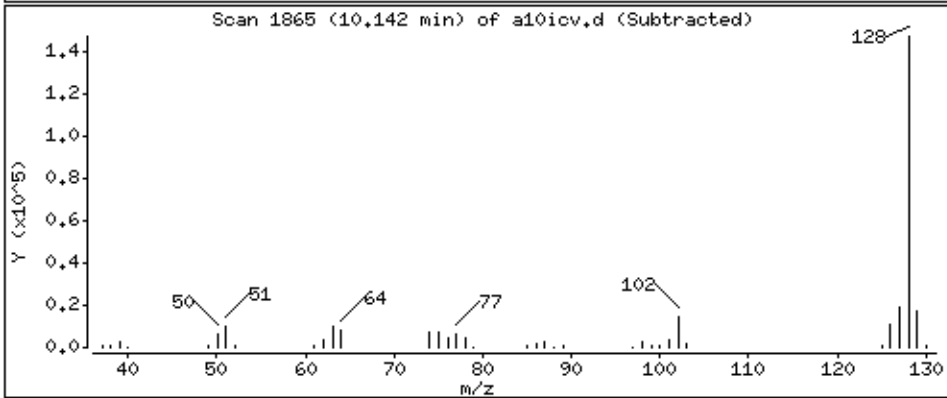
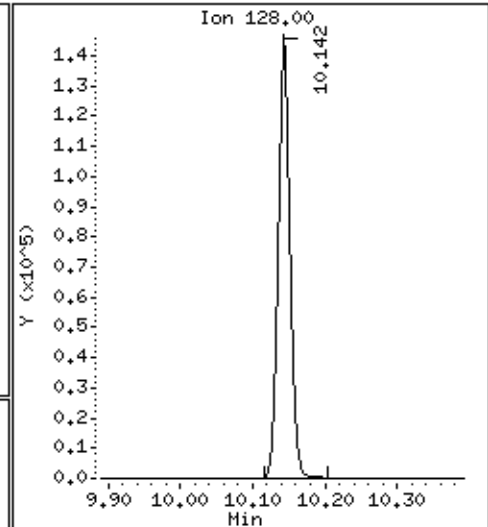
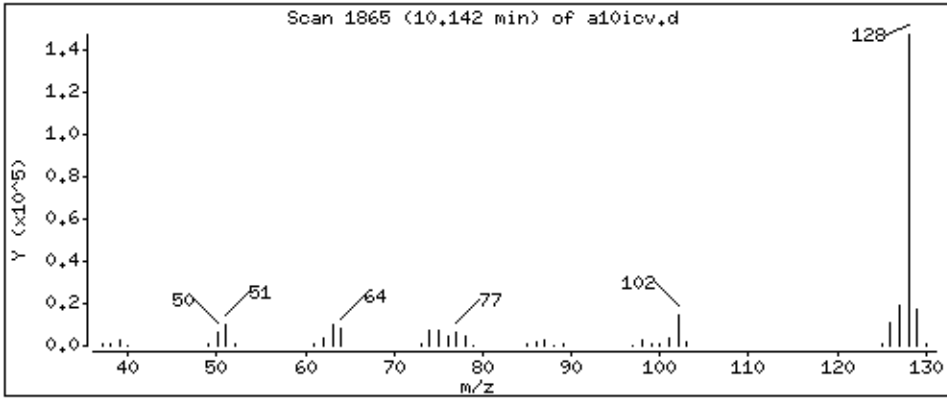
Operator: grm

Column phase: DB-624

Column diameter: 0,18

98 Naphthalene

Concentration: 53,4 ppb



Date : 19-JUN-2014 18:51

Client ID: 8260-ICV,71105:0

Instrument: 50mv1a.i

Sample Info: 8260-ICV,71105:0

Purge Volume: 5.0

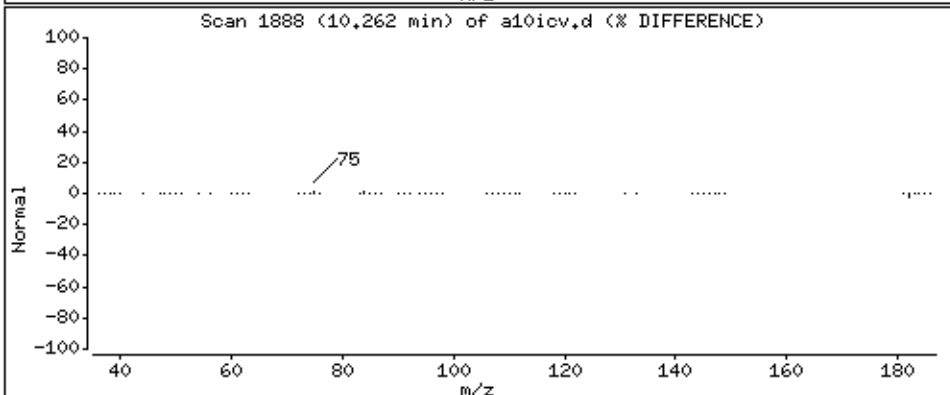
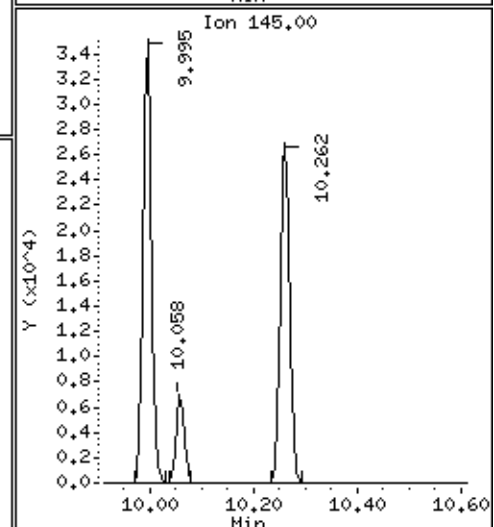
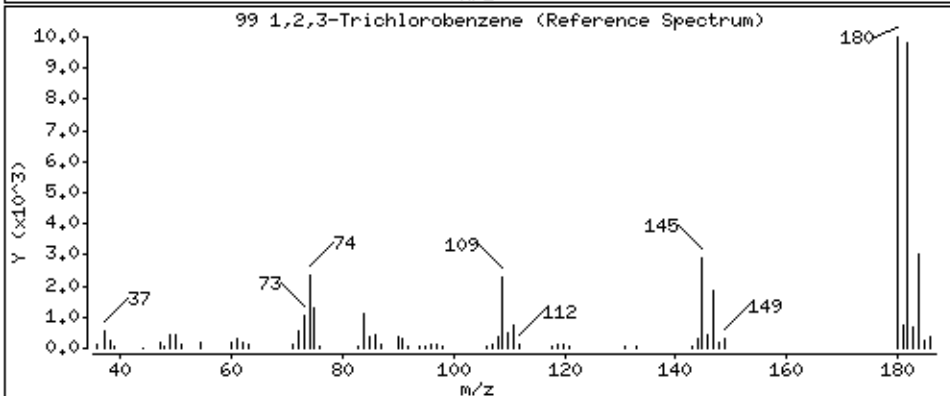
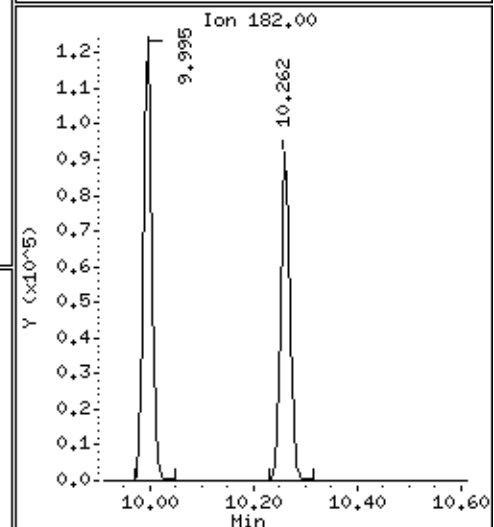
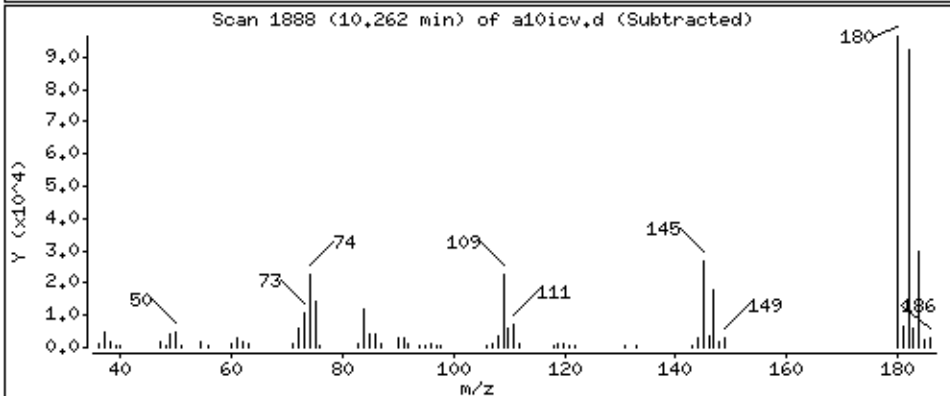
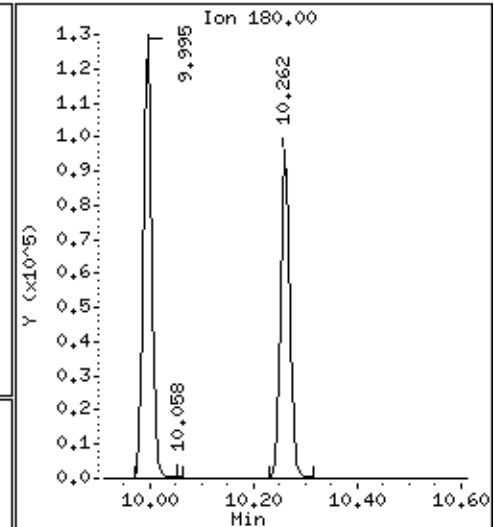
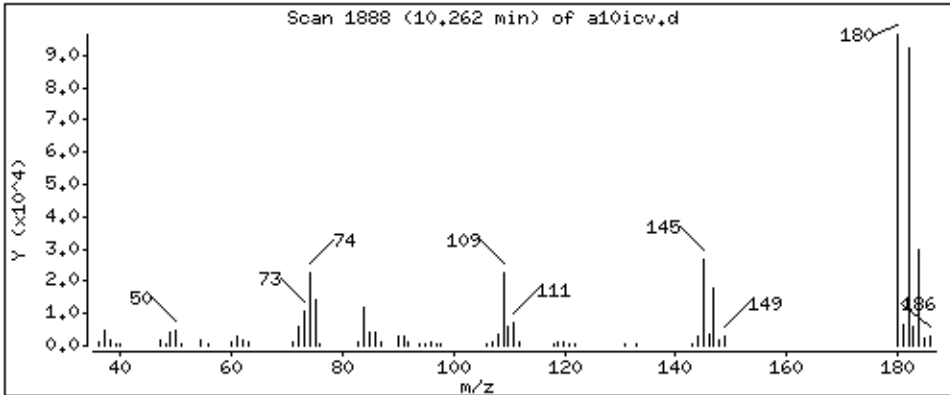
Operator: grm

Column phase: DB-624

Column diameter: 0,18

99 1,2,3-Trichlorobenzene

Concentration: 53,1 ppb



Date : 19-JUN-2014 18:51

Client ID: 8260-ICV,71105:0

Instrument: 50mv1a.i

Sample Info: 8260-ICV,71105:0

Purge Volume: 5.0

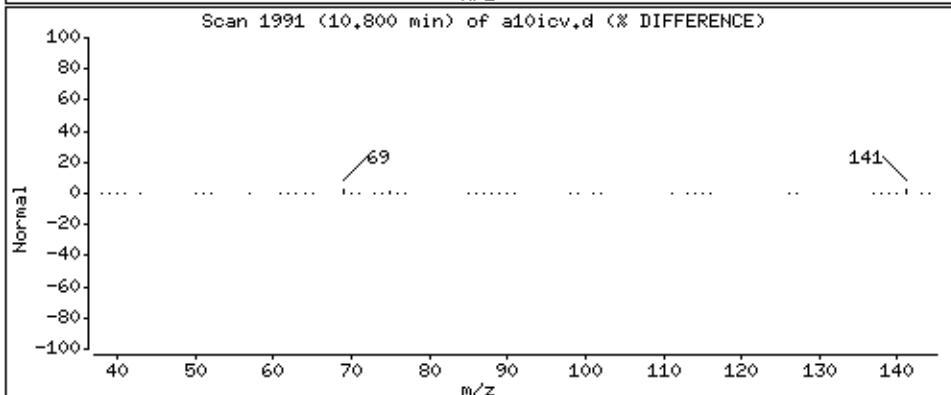
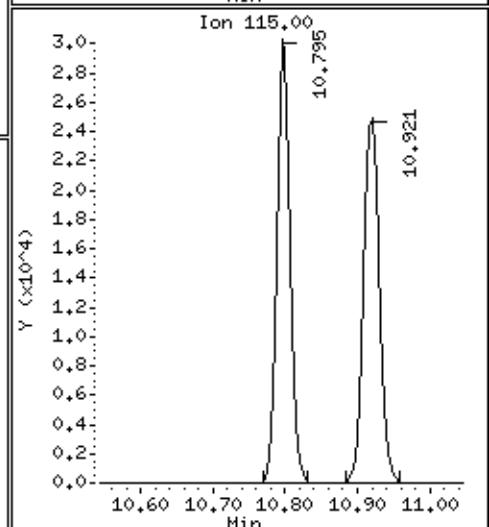
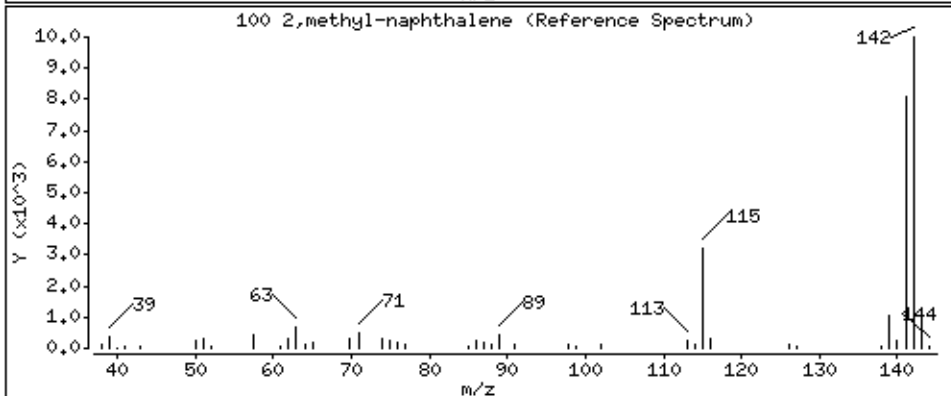
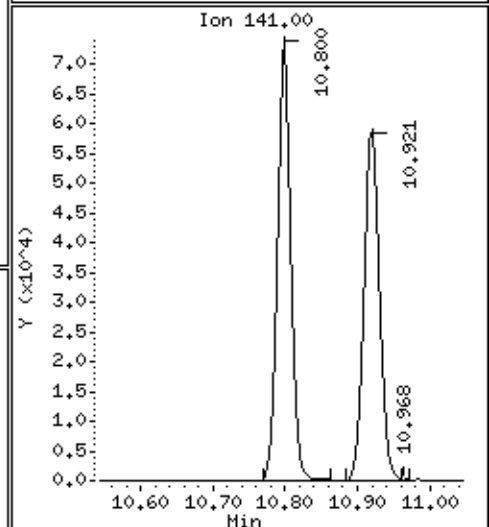
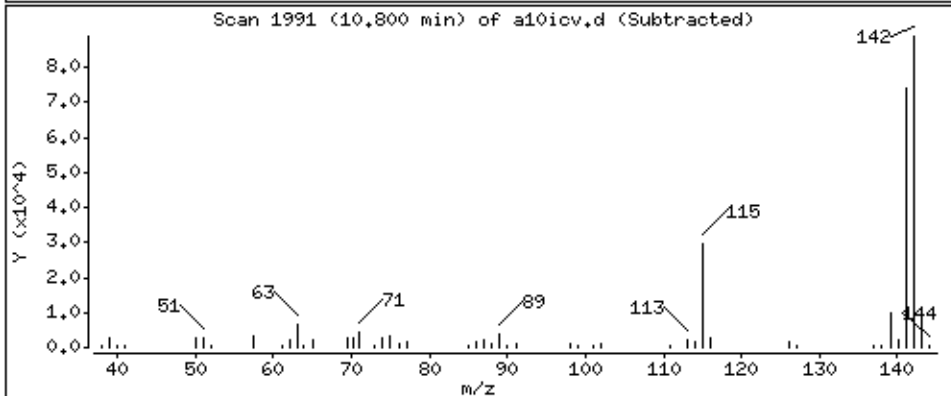
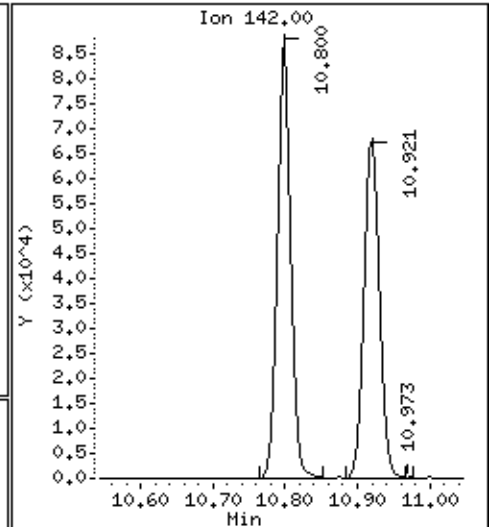
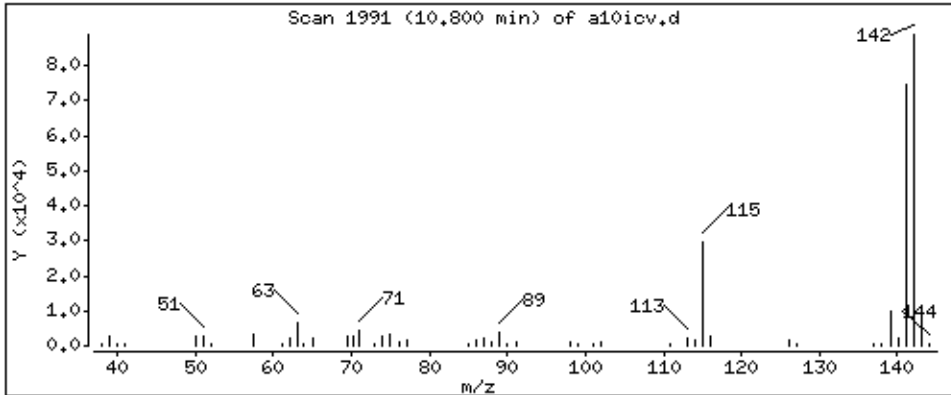
Operator: grm

Column phase: DB-624

Column diameter: 0,18

100 2,methyl-naphthalene

Concentration: 54,1 ppb



Date : 19-JUN-2014 18:51

Client ID: 8260-ICV,71105;0

Instrument: 50mv1a.i

Sample Info: 8260-ICV,71105;0

Purge Volume: 5.0

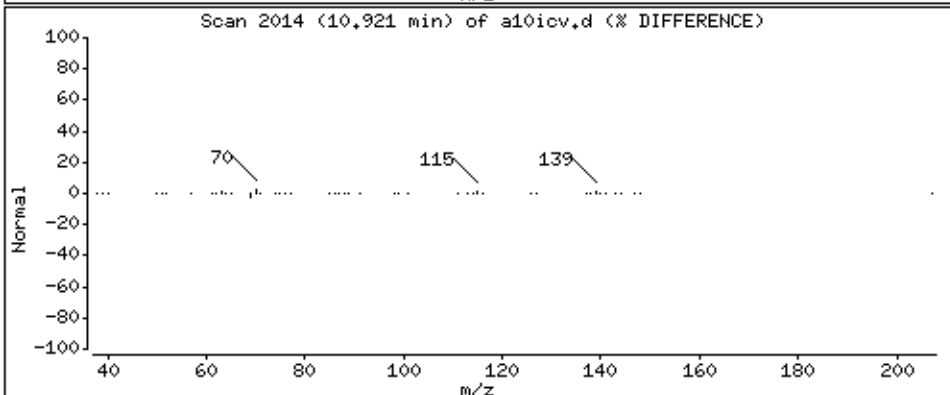
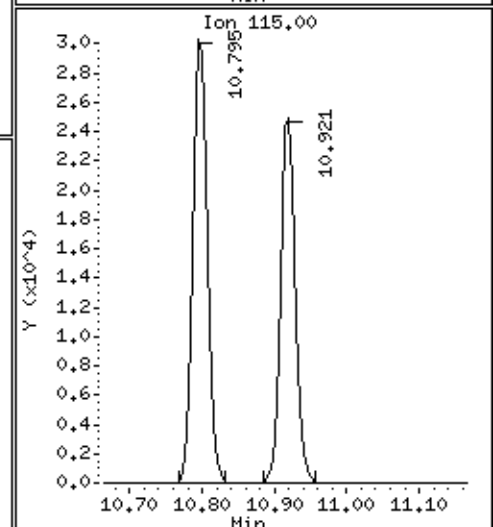
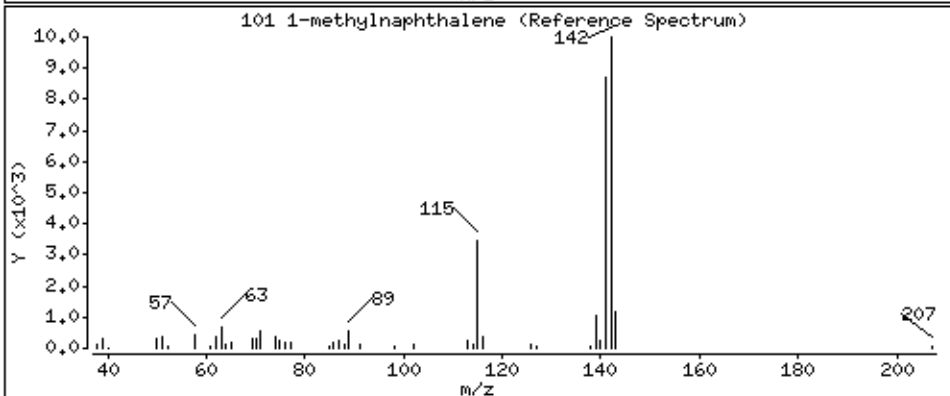
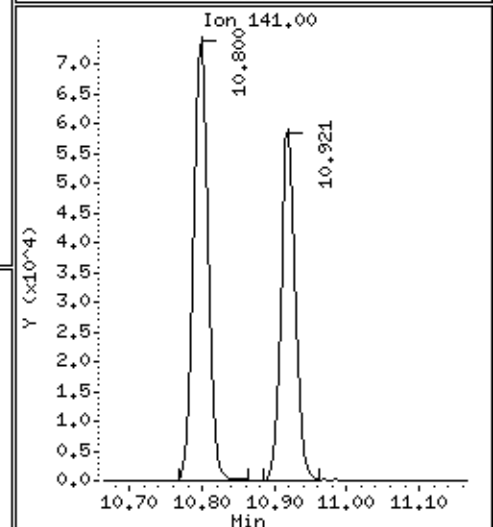
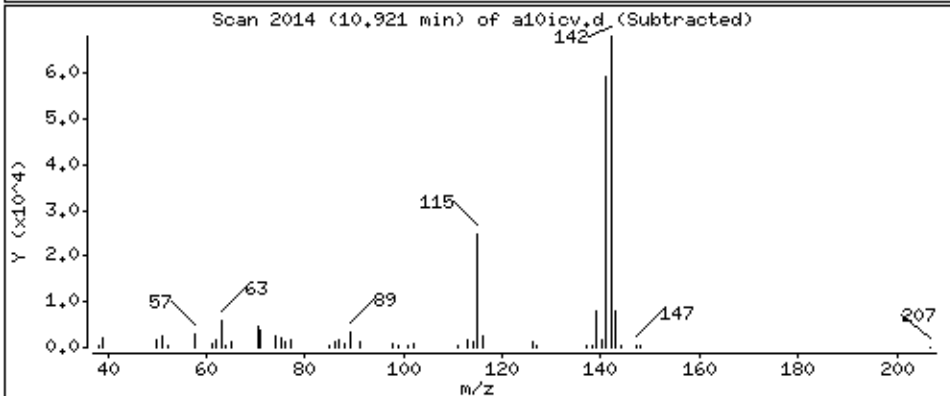
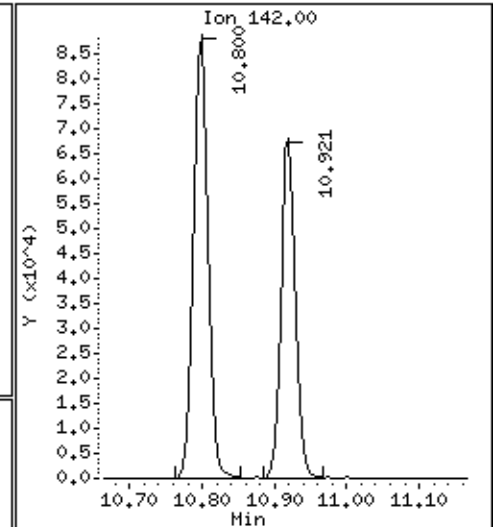
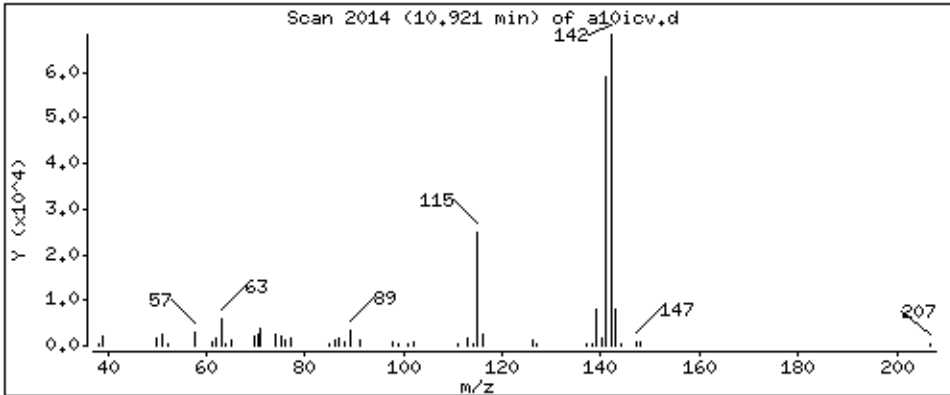
Operator: grm

Column phase: DB-624

Column diameter: 0,18

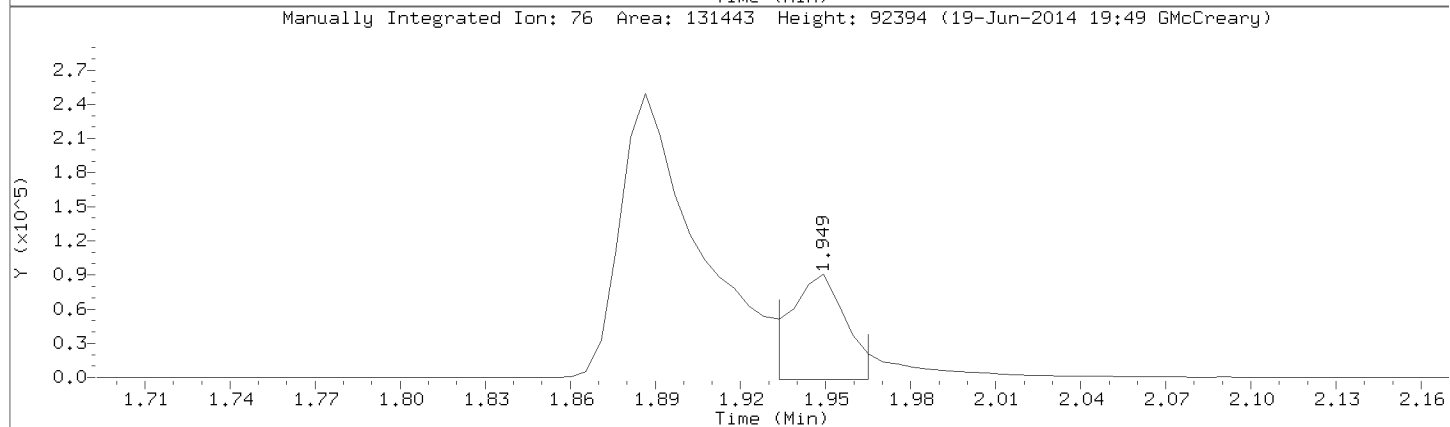
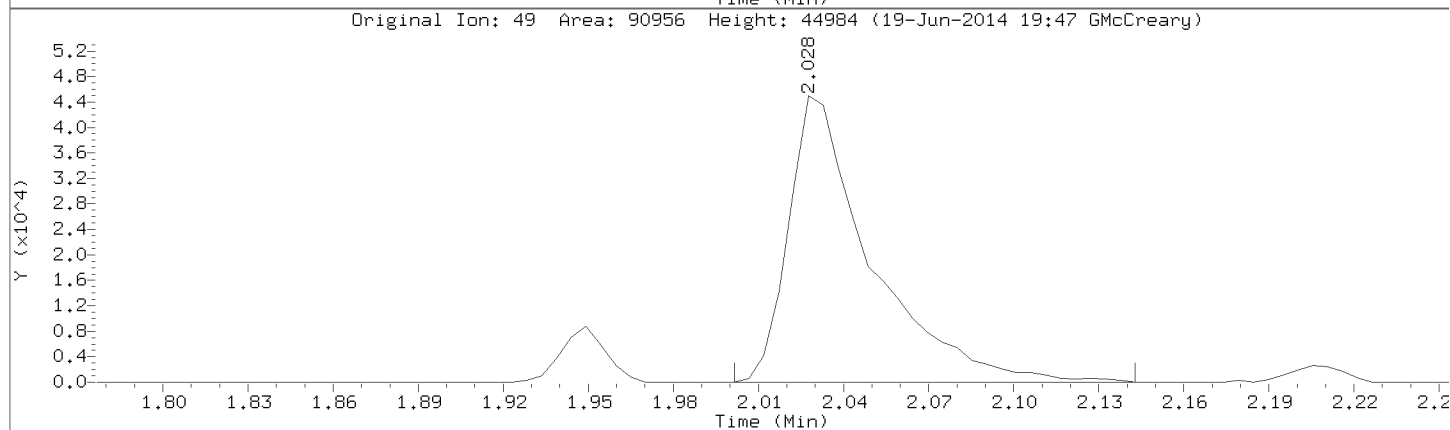
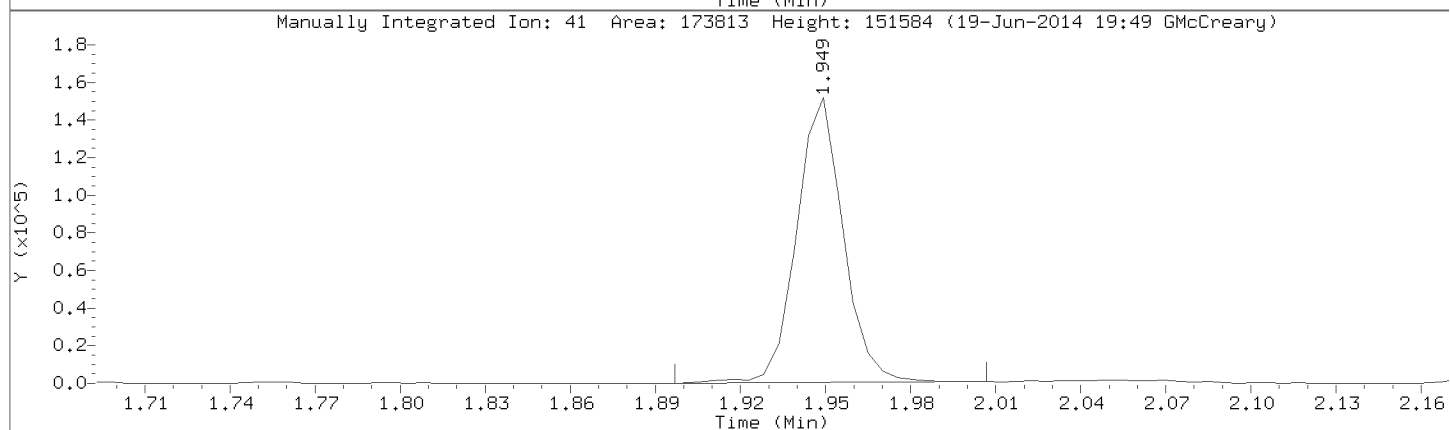
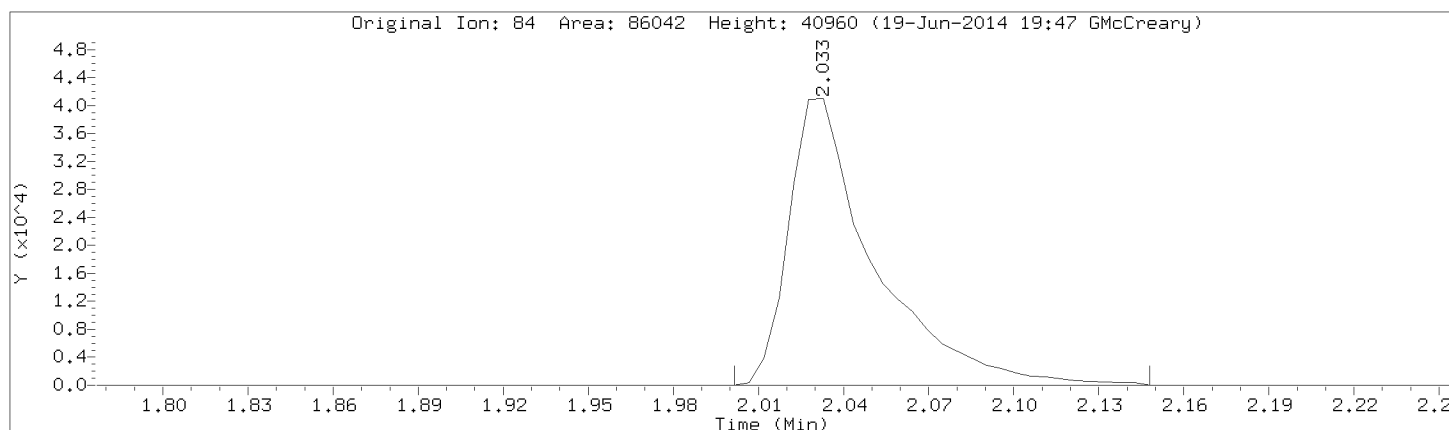
101 1-methylnaphthalene

Concentration: 54,3 ppb



Data File: \\192.168.50.6\chem\50mv1a.i\061914cal.b/a10icv.d
Injection Date: 19-JUN-2014 18:51
Instrument: 50mv1a.i
Lab Sample ID: 8260-ICV,71105:0

Compound: allyl chloride
CAS Number: 107-05-1



Pace Analytical Services, Inc.

Data file : \\192.168.50.6\chem\50mv1a.i\070214.b\01ccv.d
 Lab Smp Id: 8260-CCV,71692:0 Client Smp ID: 8260-CCV,71692:0
 Inj Date : 02-JUL-2014 11:19
 Operator : grm Inst ID: 50mv1a.i
 Smp Info : 8260-ccv,71692:0
 Misc Info : 65941
 Comment :
 Method : \\192.168.50.6\chem\50mv1a.i\070214.b\08260_a_c.m
 Meth Date : 03-Jul-2014 13:53 50mv1a.i Quant Type: ISTD
 Cal Date : 19-JUN-2014 17:44 Cal File: a08cal.d
 Als bottle: 3 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	MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS		REVIEW C
								CAL-AMT (ppb)	ON-COL (ppb)	
1 Dichlorodifluoromethane	85			1.013	1.013	(0.230)	116448	50.0000	44.1	
2 Chloromethane	50			1.117	1.117	(0.254)	99361	50.0000	47.4	
3 Vinyl Chloride	62			1.149	1.149	(0.261)	106679	50.0000	51.8	
4 Bromomethane	94			1.306	1.306	(0.296)	62315	50.0000	49.8	
5 Chloroethane	64			1.353	1.353	(0.307)	63905	50.0000	51.0	
6 Trichlorofluoromethane	101			1.473	1.473	(0.334)	154254	50.0000	44.9	
7 Diethyl ether	74			1.604	1.604	(0.364)	28870	50.0000	45.0	
8 1,2-dichlorotrifluoroethane	67			1.619	1.619	(0.368)	109267	50.0000	44.5	
9 Acrolein	56			1.682	1.682	(0.382)	74662	1000.00	898	
10 1,1,2trichlorotrifluoroethane	101			1.734	1.734	(0.394)	82505	50.0000	42.3	
11 1,1-Dichloroethene	96			1.740	1.740	(0.395)	69453	50.0000	42.2	
12 Acetone	43			1.750	1.750	(0.397)	33251	250.000	186	
13 Iodomethane	142			1.834	1.834	(0.416)	123206	100.000	112	
14 Carbon Disulfide	76			1.881	1.881	(0.427)	464031	100.000	87.3	
15 Methyl Acetate	43			1.928	1.928	(0.438)	18373	50.0000	43.3	
16 Acetonitrile	39			1.943	1.943	(0.441)	152226	1000.00	856	
17 allyl chloride	41			1.943	1.943	(0.441)	200366	100.000	94.6	
18 Methylene Chloride	84			2.027	2.027	(0.460)	78350	50.0000	35.7	
19 tert-Butyl Alcohol	59			2.069	2.069	(0.470)	4131	100.000	82.9(Q)	
20 Acrylonitrile	53			2.174	2.174	(0.493)	180750	1000.00	885	
21 Methyl-tert-butyl ether	73			2.194	2.194	(0.498)	241151	100.000	83.8	
22 1,2-Dichloroethene (trans)	96			2.205	2.205	(0.500)	78387	50.0000	46.0	
23 n-Hexane	57			2.398	2.398	(0.544)	125374	50.0000	45.1	

Compounds	QUANT MASS	SIG	AMOUNTS				CAL-AMT (ppb)	ON-COL (ppb)	REVIEW C =====
			RT	EXP RT	REL RT	RESPONSE			
24 Vinyl Acetate	43		2.519	2.519	(0.572)	271679	200.000	197	
25 1,1-Dichloroethane	63		2.529	2.529	(0.574)	133913	50.0000	42.8	
26 Chloroprene	53		2.587	2.587	(0.587)	120339	50.0000	43.4	
28 2-Butanone	43		3.026	3.026	(0.687)	57429	250.000	209	
29 1,2-Dichloroethene (cis)	96		3.031	3.031	(0.688)	85203	50.0000	47.8	
30 2,2-Dichloropropane	77		3.036	3.036	(0.689)	100121	50.0000	45.0	
31 Propionitrile	54		3.083	3.083	(0.700)	3083	50.0000	42.8 (Q)	
32 Methacrylonitrile	41		3.245	3.245	(0.737)	17957	250.000	233	
33 Bromochloromethane	49		3.282	3.282	(0.745)	39920	50.0000	46.6	
34 Tetrahydrofuran	42		3.303	3.303	(0.750)	6328	50.0000	47.7	
35 Chloroform	83		3.397	3.397	(0.771)	141125	50.0000	42.2	
37 1,1,1-Trichloroethane	97		3.580	3.580	(0.813)	118293	50.0000	41.4	
\$ 38 Dibromofluoromethane (S)	113		3.585	3.585	(0.814)	67283	50.0000	46.8	
39 Cyclohexane	56		3.658	3.658	(0.830)	122737	50.0000	48.8	
40 Carbon Tetrachloride	117		3.768	3.768	(0.855)	85025	50.0000	37.6	
41 1,1-Dichloropropene	75		3.778	3.778	(0.858)	127092	50.0000	46.7	
42 Benzene	78		4.024	4.024	(0.913)	314300	50.0000	47.0	
43 1,2-Dichloroethane	62		4.113	4.113	(0.934)	78034	50.0000	38.7	
44 Isobutyl alcohol	43		4.186	4.186	(0.950)	55635	50.0000	49.2	
45 2,2,4-Trimethylpentane	57		4.181	4.181	(0.949)	299020	50.0000	48.0	
* 46 Fluorobenzene (IS)	96		4.406	4.406	(1.000)	298390	50.0000		
47 Trichloroethene	95		4.840	4.840	(1.098)	91271	50.0000	46.0	
48 Methylcyclohexane	55		5.096	5.096	(1.157)	109787	50.0000	46.7	
49 1,2-Dichloropropane	63		5.148	5.148	(1.168)	65369	50.0000	45.3	
50 Dibromomethane	93		5.237	5.237	(1.189)	30041	50.0000	42.7	
51 Methyl methacrylate	69		5.248	5.248	(1.191)	23912	50.0000	44.3	
52 1,4-Dioxane	88		5.248	5.248	(1.191)	6301	1000.00		
53 Bromodichloromethane	83		5.457	5.457	(1.238)	85669	50.0000	40.3	
54 2-Chloroethyl vinyl ether	63		5.797	5.797	(0.774)	12701	100.000	134	
55 cis-1,3-Dichloropropene	75		5.943	5.943	(0.794)	98603	50.0000	47.2	
56 4-Methyl-2-Pentanone	43		6.110	6.110	(0.816)	128248	250.000	219	
\$ 57 Toluene-d8	98		6.210	6.210	(0.830)	300689	50.0000	50.2	
58 Toluene	91		6.283	6.283	(0.839)	352384	50.0000	46.5	
59 trans-1,3-Dichloropropene	75		6.555	6.555	(0.876)	65661	50.0000	38.5	
60 Ethyl Methacrylate	69		6.628	6.628	(0.885)	61401	50.0000	49.4	
61 1,1,2-Trichloroethane	83		6.732	6.732	(0.899)	40767	50.0000	46.5	
62 Tetrachloroethene	166		6.774	6.774	(0.905)	109565	50.0000	47.3	
63 1,3-Dichloropropane	76		6.868	6.868	(0.918)	88893	50.0000	45.1	
64 2-Hexanone	43		6.926	6.926	(0.925)	90139	250.000	219	
65 Dibromochloromethane	129		7.046	7.046	(0.941)	46661	50.0000	42.0	
66 1,2-Dibromoethane	107		7.130	7.130	(0.953)	43901	50.0000	46.1	
* 67 Chlorobenzene-D5 (IS)	117		7.485	7.485	(1.000)	227366	50.0000		
68 Chlorobenzene	112		7.506	7.506	(1.003)	221184	50.0000	46.9	
69 1,1,1,2-Tetrachloroethane	131		7.579	7.579	(1.013)	60838	50.0000	42.0	
70 Ethylbenzene	106		7.584	7.584	(1.013)	130552	50.0000	49.0	
71 m&p-Xylene	106		7.679	7.679	(1.026)	314237	100.000	95.8	
72 o-Xylene	106		7.935	7.935	(1.060)	155491	50.0000	51.1	
73 Styrene	104		7.956	7.956	(1.063)	248611	50.0000	48.4	
74 Bromoform	173		8.076	8.076	(0.901)	26730	50.0000	38.6	
75 Isopropylbenzene	105		8.175	8.175	(1.092)	431877	50.0000	47.2	
\$ 76 4-Bromofluorobenzene	95		8.290	8.290	(1.108)	115532	50.0000	47.5	
77 Bromobenzene	77		8.369	8.369	(1.118)	151842	50.0000	43.1	
78 1,1,2,2-Tetrachloroethane	83		8.379	8.379	(0.935)	51615	50.0000	46.2	
79 n-amyl acetate	70		8.076	8.076	(1.079)	3034	50.0000		

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS		REVIEW C
						CAL-AMT (ppb)	ON-COL (ppb)	
80 trans-1,4-Dichloro-2-butene	53	8.400	8.400	(1.122)	9769	50.0000	39.9(Q)	
81 1,2,3-Trichloropropane	110	8.411	8.411	(0.938)	14800	50.0000	42.5(Q)	
82 n-Propylbenzene	91	8.437	8.437	(0.941)	525279	50.0000	49.8	
83 2-Chlorotoluene	91	8.484	8.484	(0.946)	307533	50.0000	48.6	
84 1,3,5-Trimethylbenzene	105	8.541	8.541	(0.953)	367255	50.0000	49.2	
85 4-Chlorotoluene	126	8.562	8.562	(0.955)	93872	50.0000	49.5	
86 tert-Butylbenzene	119	8.724	8.724	(0.973)	340473	50.0000	51.0	
87 1,2,4-Trimethylbenzene	105	8.756	8.756	(0.977)	353801	50.0000	49.0	
88 sec-Butylbenzene	105	8.850	8.850	(0.987)	492170	50.0000	50.7	
89 1,3-Dichlorobenzene	146	8.918	8.918	(0.995)	189553	50.0000	48.4	
90 p-Isopropyltoluene	119	8.933	8.933	(0.997)	403969	50.0000	48.8	
* 91 1,4-Dichlorobenzene-d4 (IS)	152	8.965	8.965	(1.000)	120768	50.0000		
92 1,4-Dichlorobenzene	146	8.980	8.980	(1.002)	179241	50.0000	47.6	
93 n-Butylbenzene	91	9.153	9.153	(1.021)	424122	50.0000	50.6	
94 1,2-Dichlorobenzene	146	9.169	9.169	(1.023)	156918	50.0000	47.2	
95 1,2-Dibromo-3-chloropropane	155	9.582	9.582	(1.069)	6498	50.0000	40.1	
96 1,2,4-Trichlorobenzene	180	9.995	9.995	(1.115)	154346	50.0000	53.7	
97 Hexachlorobutadiene	225	10.057	10.057	(1.122)	118396	50.0000	47.8	
98 Naphthalene	128	10.141	10.141	(1.131)	178631	50.0000	51.1	
99 1,2,3-Trichlorobenzene	180	10.261	10.261	(1.145)	121644	50.0000	52.6	
100 2-methyl-naphthalene	142	10.800	10.800	(1.205)	114327	50.0000	49.7	
101 1-methylnaphthalene	142	10.920	10.920	(1.218)	92880	50.0000	49.4	

QC Flag Legend

Q - Qualifier signal failed the ratio test.

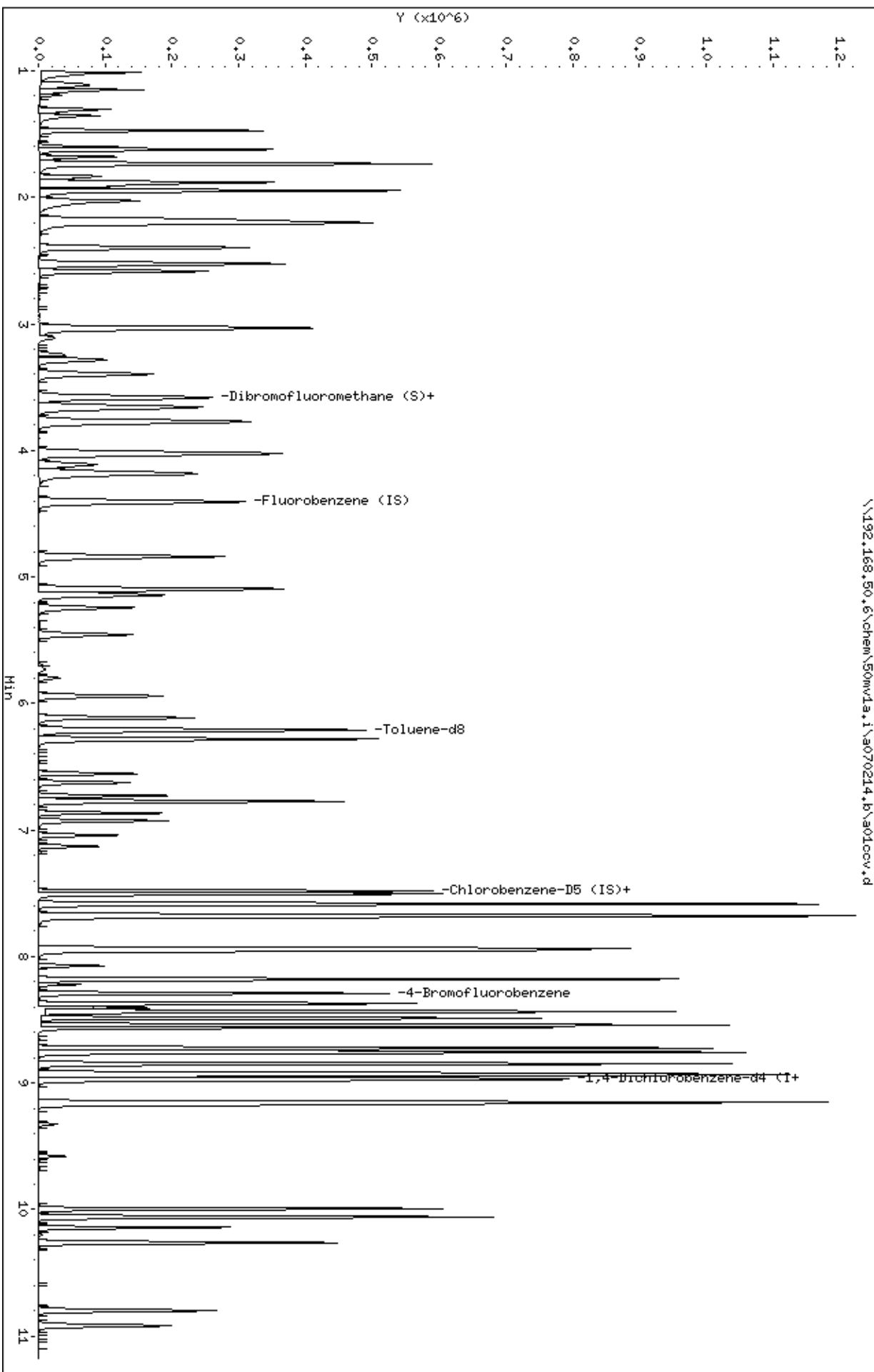
Review Codes Legend

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Date: 02-JUL-2014 11:19
Client ID: 8260-CCV,71692:0
Sample Info: 8260-CCV,71692:0
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50w1a.1
Operator: grm
Column diameter: 0.18

\\192.168.50.6\chem\50w1a.1\9070214.b\901ocv.d



Data File: \\192.168.50.6\chem\50mv1a.i\a070214.b/a01ccv.d
Injection Date: 02-JUL-2014 11:19
Instrument: 50mv1a.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\50mv1a.i\a070214.b\c01ccv.d
 Lab Smp Id: 8260-CCV,71692:0 Client Smp ID: 8260-CCV,71692:0
 Inj Date : 02-JUL-2014 23:05
 Operator : grm Inst ID: 50mv1a.i
 Smp Info : 8260-ccv,71692:0
 Misc Info : 65941
 Comment :
 Method : \\192.168.50.6\chem\50mv1a.i\a070214.b\a8260_a_c.m
 Meth Date : 03-Jul-2014 14:04 50mv1a.i Quant Type: ISTD
 Cal Date : 19-JUN-2014 17:44 Cal File: a08cal.d
 Als bottle: 45 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		1.015	1.015	(0.230)	110021	50.0000	44.8	
2 Chloromethane	50		1.115	1.115	(0.253)	99199	50.0000	50.8	
3 Vinyl Chloride	62		1.151	1.151	(0.261)	106061	50.0000	55.3	
4 Bromomethane	94		1.303	1.303	(0.296)	58339	50.0000	50.0	
5 Chloroethane	64		1.355	1.355	(0.307)	66082	50.0000	56.6	
6 Trichlorofluoromethane	101		1.470	1.470	(0.334)	150715	50.0000	47.0	
7 Diethyl ether	74		1.601	1.601	(0.363)	31840	50.0000	53.3	
8 1,2-dichlorotrifluoroethane	67		1.622	1.622	(0.368)	113015	50.0000	49.4	
9 Acrolein	56		1.679	1.679	(0.381)	71783	1000.00	926	
10 1,1,2trichlorotrifluoroethane	101		1.731	1.731	(0.393)	87490	50.0000	48.1	
11 1,1-Dichloroethene	96		1.742	1.742	(0.395)	78492	50.0000	51.2	
12 Acetone	43		1.752	1.752	(0.398)	32520	250.000	195	
13 Iodomethane	142		1.836	1.836	(0.417)	110850	100.000	108	
14 Carbon Disulfide	76		1.883	1.883	(0.427)	467646	100.000	94.4	
15 Methyl Acetate	43		1.930	1.930	(0.438)	18625	50.0000	47.1	
16 Acetonitrile	39		1.946	1.946	(0.441)	144936	1000.00	875	
17 allyl chloride	41		1.946	1.946	(0.441)	194965	100.000	98.8	
18 Methylene Chloride	84		2.029	2.029	(0.460)	81479	50.0000	41.9	
19 tert-Butyl Alcohol	59		2.071	2.071	(0.470)	4601	100.000	98.1(Q)	
20 Acrylonitrile	53		2.176	2.176	(0.494)	183589	1000.00	965	
21 Methyl-tert-butyl ether	73		2.197	2.197	(0.498)	244552	100.000	91.3	
22 1,2-Dichloroethene (trans)	96		2.207	2.207	(0.501)	81473	50.0000	51.3	
23 n-Hexane	57		2.401	2.401	(0.545)	130806	50.0000	50.5	

Compounds	QUANT MASS	SIG	AMOUNTS				CAL-AMT (ppb)	ON-COL (ppb)	REVIEW C
			RT	EXP RT	REL RT	RESPONSE			
24 Vinyl Acetate	43		2.521	2.521	(0.572)	270615	200.000	211	
25 1,1-Dichloroethane	63		2.531	2.531	(0.574)	147063	50.0000	50.4	
26 Chloroprene	53		2.589	2.589	(0.587)	128018	50.0000	49.5	
28 2-Butanone	43		3.023	3.023	(0.686)	56855	250.000	222	
29 1,2-Dichloroethene (cis)	96		3.038	3.038	(0.689)	86358	50.0000	52.0	
30 2,2-Dichloropropane	77		3.038	3.038	(0.689)	95447	50.0000	46.0	
31 Propionitrile	54		3.086	3.086	(0.700)	2783	50.0000	41.6 (Q)	
32 Methacrylonitrile	41		3.248	3.248	(0.737)	15438	250.000	215	
33 Bromochloromethane	49		3.284	3.284	(0.745)	37126	50.0000	46.5	
34 Tetrahydrofuran	42		3.305	3.305	(0.750)	5523	50.0000	44.7	
35 Chloroform	83		3.399	3.399	(0.771)	131008	50.0000	42.1	
37 1,1,1-Trichloroethane	97		3.582	3.582	(0.813)	105859	50.0000	39.8	
\$ 38 Dibromofluoromethane (S)	113		3.582	3.582	(0.813)	60314	50.0000	45.1	
39 Cyclohexane	56		3.666	3.666	(0.832)	117130	50.0000	50.0	
40 Carbon Tetrachloride	117		3.770	3.770	(0.855)	75550	50.0000	35.9	
41 1,1-Dichloropropene	75		3.781	3.781	(0.858)	117693	50.0000	46.4	
42 Benzene	78		4.027	4.027	(0.913)	298084	50.0000	47.9	
43 1,2-Dichloroethane	62		4.115	4.115	(0.934)	71585	50.0000	38.1	
44 Isobutyl alcohol	43		4.189	4.189	(0.950)	46887	50.0000	44.5	
45 2,2,4-Trimethylpentane	57		4.183	4.183	(0.949)	286325	50.0000	49.4	
* 46 Fluorobenzene (IS)	96		4.408	4.408	(1.000)	278021	50.0000		
47 Trichloroethene	95		4.842	4.842	(1.098)	86405	50.0000	46.8	
48 Methylcyclohexane	55		5.098	5.098	(1.157)	102976	50.0000	47.0	
49 1,2-Dichloropropane	63		5.145	5.145	(1.167)	61749	50.0000	46.0	
50 Dibromomethane	93		5.239	5.239	(1.189)	28495	50.0000	43.5	
51 Methyl methacrylate	69		5.250	5.250	(1.191)	21579	50.0000	42.9	
52 1,4-Dioxane	88		5.250	5.250	(1.191)	5811	1000.00		
53 Bromodichloromethane	83		5.459	5.459	(1.238)	76687	50.0000	38.7	
54 2-Chloroethyl vinyl ether	63		5.799	5.799	(0.774)	9869	100.000	112	
55 cis-1,3-Dichloropropene	75		5.945	5.945	(0.794)	87679	50.0000	45.1	
56 4-Methyl-2-Pentanone	43		6.113	6.113	(0.816)	121184	250.000	222	
\$ 57 Toluene-d8	98		6.212	6.212	(0.830)	274089	50.0000	49.2	
58 Toluene	91		6.285	6.285	(0.839)	335707	50.0000	47.6	
59 trans-1,3-Dichloropropene	75		6.557	6.557	(0.876)	55024	50.0000	35.0	
60 Ethyl Methacrylate	69		6.625	6.625	(0.885)	54788	50.0000	47.4	
61 1,1,2-Trichloroethane	83		6.729	6.729	(0.899)	39273	50.0000	48.2	
62 Tetrachloroethene	166		6.777	6.777	(0.905)	106286	50.0000	49.4	
63 1,3-Dichloropropane	76		6.865	6.865	(0.917)	82248	50.0000	44.8	
64 2-Hexanone	43		6.928	6.928	(0.925)	81625	250.000	213	
65 Dibromochloromethane	129		7.043	7.043	(0.941)	40089	50.0000	38.8	
66 1,2-Dibromoethane	107		7.127	7.127	(0.952)	41572	50.0000	47.0	
* 67 Chlorobenzene-D5 (IS)	117		7.488	7.488	(1.000)	211415	50.0000		
68 Chlorobenzene	112		7.508	7.508	(1.003)	209284	50.0000	47.8	
69 1,1,1,2-Tetrachloroethane	131		7.582	7.582	(1.013)	53823	50.0000	39.9	
70 Ethylbenzene	106		7.582	7.582	(1.013)	122623	50.0000	49.4	
71 m&p-Xylene	106		7.681	7.681	(1.026)	295020	100.000	96.8	
72 o-Xylene	106		7.937	7.937	(1.060)	144152	50.0000	51.0	
73 Styrene	104		7.953	7.953	(1.062)	232112	50.0000	48.6	
74 Bromoform	173		8.078	8.078	(0.901)	21070	50.0000	34.5	
75 Isopropylbenzene	105		8.178	8.178	(1.092)	408896	50.0000	48.1	
\$ 76 4-Bromofluorobenzene	95		8.293	8.293	(1.108)	104472	50.0000	46.2	
77 Bromobenzene	77		8.371	8.371	(1.118)	139544	50.0000	42.6	
78 1,1,2,2-Tetrachloroethane	83		8.381	8.381	(0.935)	46852	50.0000	46.6	
80 trans-1,4-Dichloro-2-butene	53		8.402	8.402	(1.122)	7071	50.0000	31.9 (Q)	

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS		REVIEW C
						CAL-AMT (ppb)	ON-COL (ppb)	
81 1,2,3-Trichloropropane	110	8.413	8.413	(0.938)	14773	50.0000	47.1(Q)	
82 n-Propylbenzene	91	8.434	8.434	(0.941)	485781	50.0000	51.2	
83 2-Chlorotoluene	91	8.486	8.486	(0.946)	285730	50.0000	50.2	
84 1,3,5-Trimethylbenzene	105	8.544	8.544	(0.953)	341507	50.0000	50.9	
85 4-Chlorotoluene	126	8.559	8.559	(0.955)	87554	50.0000	51.3	
86 tert-Butylbenzene	119	8.721	8.721	(0.973)	313069	50.0000	52.1	
87 1,2,4-Trimethylbenzene	105	8.758	8.758	(0.977)	328782	50.0000	50.6	
88 sec-Butylbenzene	105	8.847	8.847	(0.987)	455887	50.0000	52.2	
89 1,3-Dichlorobenzene	146	8.920	8.920	(0.995)	171905	50.0000	48.8	
90 p-Isopropyltoluene	119	8.936	8.936	(0.997)	373093	50.0000	50.1	
* 91 1,4-Dichlorobenzene-d4 (IS)	152	8.967	8.967	(1.000)	108668	50.0000		
92 1,4-Dichlorobenzene	146	8.977	8.977	(1.001)	159620	50.0000	47.1	
93 n-Butylbenzene	91	9.150	9.150	(1.020)	375163	50.0000	49.7	
94 1,2-Dichlorobenzene	146	9.171	9.171	(1.023)	144865	50.0000	48.4	
95 1,2-Dibromo-3-chloropropane	155	9.579	9.579	(1.068)	5299	50.0000	36.9	
96 1,2,4-Trichlorobenzene	180	9.997	9.997	(1.115)	130757	50.0000	50.5	
97 Hexachlorobutadiene	225	10.060	10.060	(1.122)	108423	50.0000	48.6	
98 Naphthalene	128	10.143	10.143	(1.131)	163543	50.0000	52.0	
99 1,2,3-Trichlorobenzene	180	10.258	10.258	(1.144)	107512	50.0000	51.7	
100 2-methyl-naphthalene	142	10.797	10.797	(1.204)	102736	50.0000	49.6	
101 1-methylnaphthalene	142	10.917	10.917	(1.217)	83282	50.0000	49.2	

QC Flag Legend

Q - Qualifier signal failed the ratio test.

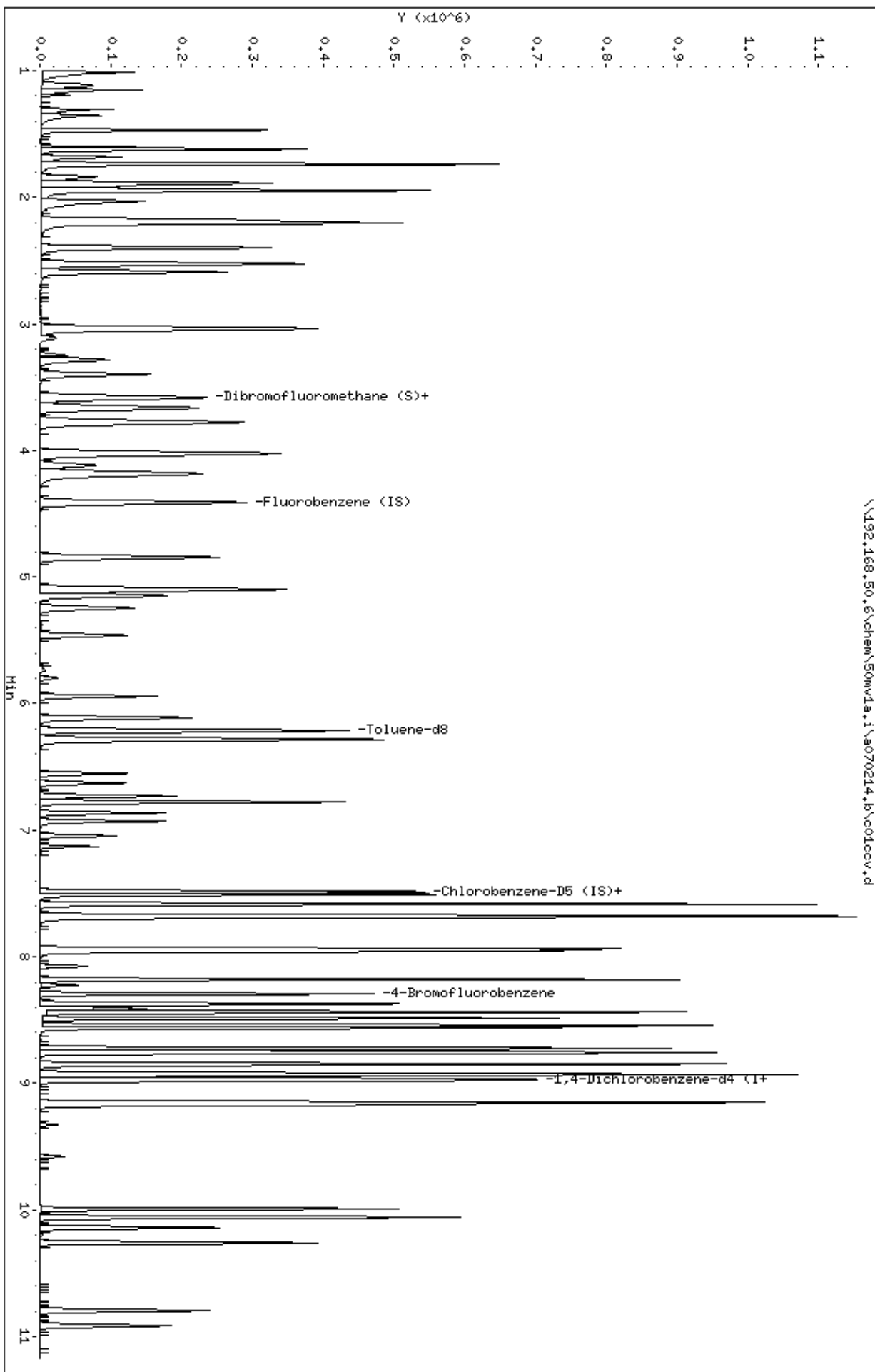
Review Codes Legend

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Data File: \\192.168.50.6\chem\50w1a.1\9070214.b\001ocv.d
Date: 02-JUL-2014 23:05
Client ID: 8260-CCV,71692:0
Sample Info: 8260-CCV,71692:0
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50w1a.1
Operator: grm
Column diameter: 0.18

\\192.168.50.6\chem\50w1a.1\9070214.b\001ocv.d



Data File: \\192.168.50.6\chem\50mv1a.i\a070214.b/c01ccv.d
Injection Date: 02-JUL-2014 23:05
Instrument: 50mv1a.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\50mv1a.i\a070314.b\a01ccv.d
 Lab Smp Id: 8260-CCV,71692:0 Client Smp ID: 8260-CCV,71692:0
 Inj Date : 03-JUL-2014 12:16
 Operator : grm Inst ID: 50mv1a.i
 Smp Info : 8260-ccv,71692:0
 Misc Info : 65941
 Comment :
 Method : \\192.168.50.6\chem\50mv1a.i\a070314.b\a8260_a_c.m
 Meth Date : 07-Jul-2014 11:05 50mv1a.i Quant Type: ISTD
 Cal Date : 19-JUN-2014 17:44 Cal File: a08cal.d
 Als bottle: 3 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		1.013	1.013	(0.230)	108989	50.0000	49.9	
2 Chloromethane	50		1.107	1.107	(0.251)	90071	50.0000	51.9	
3 Vinyl Chloride	62		1.149	1.149	(0.261)	96449	50.0000	56.6	
4 Bromomethane	94		1.306	1.306	(0.296)	55150	50.0000	53.1	
5 Chloroethane	64		1.353	1.353	(0.307)	61039	50.0000	58.8	
6 Trichlorofluoromethane	101		1.473	1.473	(0.334)	150531	50.0000	52.9	
7 Diethyl ether	74		1.604	1.604	(0.364)	26403	50.0000	49.7	
8 1,2-dichlorotrifluoroethane	67		1.620	1.620	(0.368)	102077	50.0000	50.2	
9 Acrolein	56		1.682	1.682	(0.382)	69197	1000.00	1000	
10 1,1,2trichlorotrifluoroethane	101		1.735	1.735	(0.394)	81035	50.0000	50.2	
11 1,1-Dichloroethene	96		1.740	1.740	(0.395)	68987	50.0000	50.6	
12 Acetone	43		1.750	1.750	(0.397)	30681	250.000	207	
13 Iodomethane	142		1.834	1.834	(0.416)	102250	100.000	112	
14 Carbon Disulfide	76		1.881	1.881	(0.427)	441600	100.000	100	
15 Methyl Acetate	43		1.928	1.928	(0.438)	16147	50.0000	46.0	
16 Acetonitrile	39		1.944	1.944	(0.441)	137374	1000.00	933	
17 allyl chloride	41		1.944	1.944	(0.441)	178017	100.000	102	
18 Methylene Chloride	84		2.027	2.027	(0.460)	74935	50.0000	44.0	
19 tert-Butyl Alcohol	59		2.069	2.069	(0.470)	3594	100.000	86.8(Q)	
20 Acrylonitrile	53		2.174	2.174	(0.493)	159777	1000.00	945	
21 Methyl-tert-butyl ether	73		2.195	2.195	(0.498)	212555	100.000	89.3	
22 1,2-Dichloroethene (trans)	96		2.205	2.205	(0.501)	73965	50.0000	52.4	
23 n-Hexane	57		2.393	2.393	(0.543)	112024	50.0000	48.7	

Compounds	QUANT	SIG						AMOUNTS		REVIEW C
			MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ppb)	ON-COL (ppb)	
24 Vinyl Acetate	43		2.519	2.519	(0.572)	237499	200.000	208		
25 1,1-Dichloroethane	63		2.529	2.529	(0.574)	124464	50.0000	48.0		
26 Chloroprene	53		2.587	2.587	(0.587)	113229	50.0000	49.3		
28 2-Butanone	43		3.021	3.021	(0.686)	49285	250.000	217		
29 1,2-Dichloroethene (cis)	96		3.031	3.031	(0.688)	77065	50.0000	52.2		
30 2,2-Dichloropropane	77		3.036	3.036	(0.689)	96229	50.0000	52.2		
31 Propionitrile	54		3.089	3.089	(0.701)	3093	50.0000	50.7 (Q)		
32 Methacrylonitrile	41		3.240	3.240	(0.735)	13708	250.000	215		
33 Bromochloromethane	49		3.282	3.282	(0.745)	34568	50.0000	48.7		
34 Tetrahydrofuran	42		3.298	3.298	(0.748)	4755	50.0000	43.3		
35 Chloroform	83		3.397	3.397	(0.771)	121899	50.0000	44.0		
37 1,1,1-Trichloroethane	97		3.580	3.580	(0.813)	102329	50.0000	43.3		
\$ 38 Dibromofluoromethane (S)	113		3.585	3.585	(0.814)	58271	50.0000	49.0		
39 Cyclohexane	56		3.659	3.659	(0.830)	100294	50.0000	48.2		
40 Carbon Tetrachloride	117		3.768	3.768	(0.855)	79470	50.0000	42.5		
41 1,1-Dichloropropene	75		3.779	3.779	(0.858)	106707	50.0000	47.3		
42 Benzene	78		4.025	4.025	(0.913)	270024	50.0000	48.8		
43 1,2-Dichloroethane	62		4.113	4.113	(0.934)	67431	50.0000	40.4		
44 Isobutyl alcohol	43		4.181	4.181	(0.949)	43115	50.0000	46.1		
45 2,2,4-Trimethylpentane	57		4.181	4.181	(0.949)	251472	50.0000	48.8		
* 46 Fluorobenzene (IS)	96		4.406	4.406	(1.000)	247032	50.0000			
47 Trichloroethene	95		4.840	4.840	(1.098)	77061	50.0000	47.0		
48 Methylcyclohexane	55		5.096	5.096	(1.157)	92473	50.0000	47.5		
49 1,2-Dichloropropane	63		5.143	5.143	(1.167)	54699	50.0000	45.8		
50 Dibromomethane	93		5.237	5.237	(1.189)	26278	50.0000	45.1		
51 Methyl methacrylate	69		5.253	5.253	(1.192)	18526	50.0000	41.4		
52 1,4-Dioxane	88		5.248	5.248	(1.191)	5076	1000.00			
53 Bromodichloromethane	83		5.457	5.457	(1.238)	74998	50.0000	42.6		
54 2-Chloroethyl vinyl ether	63		5.797	5.797	(0.774)	6907	100.000	86.0		
55 cis-1,3-Dichloropropene	75		5.938	5.938	(0.793)	81933	50.0000	46.2		
56 4-Methyl-2-Pentanone	43		6.111	6.111	(0.816)	100687	250.000	203		
\$ 57 Toluene-d8	98		6.210	6.210	(0.830)	255521	50.0000	50.3		
58 Toluene	91		6.283	6.283	(0.839)	310135	50.0000	48.3		
59 trans-1,3-Dichloropropene	75		6.550	6.550	(0.875)	53682	50.0000	37.2		
60 Ethyl Methacrylate	69		6.623	6.623	(0.885)	46900	50.0000	44.5		
61 1,1,2-Trichloroethane	83		6.727	6.727	(0.899)	35118	50.0000	47.3		
62 Tetrachloroethene	166		6.774	6.774	(0.905)	100456	50.0000	51.2		
63 1,3-Dichloropropane	76		6.863	6.863	(0.917)	75666	50.0000	45.2		
64 2-Hexanone	43		6.926	6.926	(0.925)	68320	250.000	196		
65 Dibromochloromethane	129		7.046	7.046	(0.941)	41516	50.0000	44.1		
66 1,2-Dibromoethane	107		7.125	7.125	(0.952)	37895	50.0000	47.0		
* 67 Chlorobenzene-D5 (IS)	117		7.485	7.485	(1.000)	192720	50.0000			
68 Chlorobenzene	112		7.506	7.506	(1.003)	194081	50.0000	48.6		
69 1,1,1,2-Tetrachloroethane	131		7.580	7.580	(1.013)	54313	50.0000	44.2		
70 Ethylbenzene	106		7.585	7.585	(1.013)	114088	50.0000	50.5		
71 m&p-Xylene	106		7.679	7.679	(1.026)	275261	100.000	99.0		
72 o-Xylene	106		7.935	7.935	(1.060)	134957	50.0000	52.4		
73 Styrene	104		7.951	7.951	(1.062)	220317	50.0000	50.6		
74 Bromoform	173		8.076	8.076	(0.901)	23321	50.0000	39.4		
75 Isopropylbenzene	105		8.176	8.176	(1.092)	382380	50.0000	49.3		
\$ 76 4-Bromofluorobenzene	95		8.291	8.291	(1.108)	97367	50.0000	47.2		
77 Bromobenzene	77		8.369	8.369	(1.118)	134117	50.0000	45.0		
78 1,1,2,2-Tetrachloroethane	83		8.379	8.379	(0.935)	45196	50.0000	47.5		
79 n-amyl acetate	70		8.071	8.071	(1.078)	1194	50.0000			

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS		REVIEW C
						CAL-AMT (ppb)	ON-COL (ppb)	
80 trans-1,4-Dichloro-2-butene	53	8.400	8.400	(1.122)	7614	50.0000	37.0	
81 1,2,3-Trichloropropane	110	8.411	8.411	(0.938)	12967	50.0000	43.7	
82 n-Propylbenzene	91	8.432	8.432	(0.941)	471602	50.0000	52.5	
83 2-Chlorotoluene	91	8.484	8.484	(0.946)	274108	50.0000	50.9	
84 1,3,5-Trimethylbenzene	105	8.542	8.542	(0.953)	327900	50.0000	51.6	
85 4-Chlorotoluene	126	8.557	8.557	(0.955)	85219	50.0000	52.7	
86 tert-Butylbenzene	119	8.725	8.725	(0.973)	294241	50.0000	51.8	
87 1,2,4-Trimethylbenzene	105	8.756	8.756	(0.977)	318802	50.0000	51.9	
88 sec-Butylbenzene	105	8.845	8.845	(0.987)	440182	50.0000	53.2	
89 1,3-Dichlorobenzene	146	8.918	8.918	(0.995)	168920	50.0000	50.7	
90 p-Isopropyltoluene	119	8.934	8.934	(0.997)	364067	50.0000	51.7	
* 91 1,4-Dichlorobenzene-d4 (IS)	152	8.965	8.965	(1.000)	102842	50.0000		
92 1,4-Dichlorobenzene	146	8.975	8.975	(1.001)	159827	50.0000	49.8	
93 n-Butylbenzene	91	9.148	9.148	(1.020)	379552	50.0000	53.1	
94 1,2-Dichlorobenzene	146	9.169	9.169	(1.023)	141682	50.0000	50.0	
95 1,2-Dibromo-3-chloropropane	155	9.577	9.577	(1.068)	5294	50.0000	38.7	
96 1,2,4-Trichlorobenzene	180	9.995	9.995	(1.115)	133840	50.0000	54.7	
97 Hexachlorobutadiene	225	10.058	10.058	(1.122)	107988	50.0000	51.2	
98 Naphthalene	128	10.141	10.141	(1.131)	146792	50.0000	49.3	
99 1,2,3-Trichlorobenzene	180	10.262	10.262	(1.145)	105955	50.0000	53.8	
100 2-methyl-naphthalene	142	10.795	10.795	(1.204)	90947	50.0000	46.4	
101 1-methylnaphthalene	142	10.915	10.915	(1.218)	73094	50.0000	45.6	

QC Flag Legend

Q - Qualifier signal failed the ratio test.

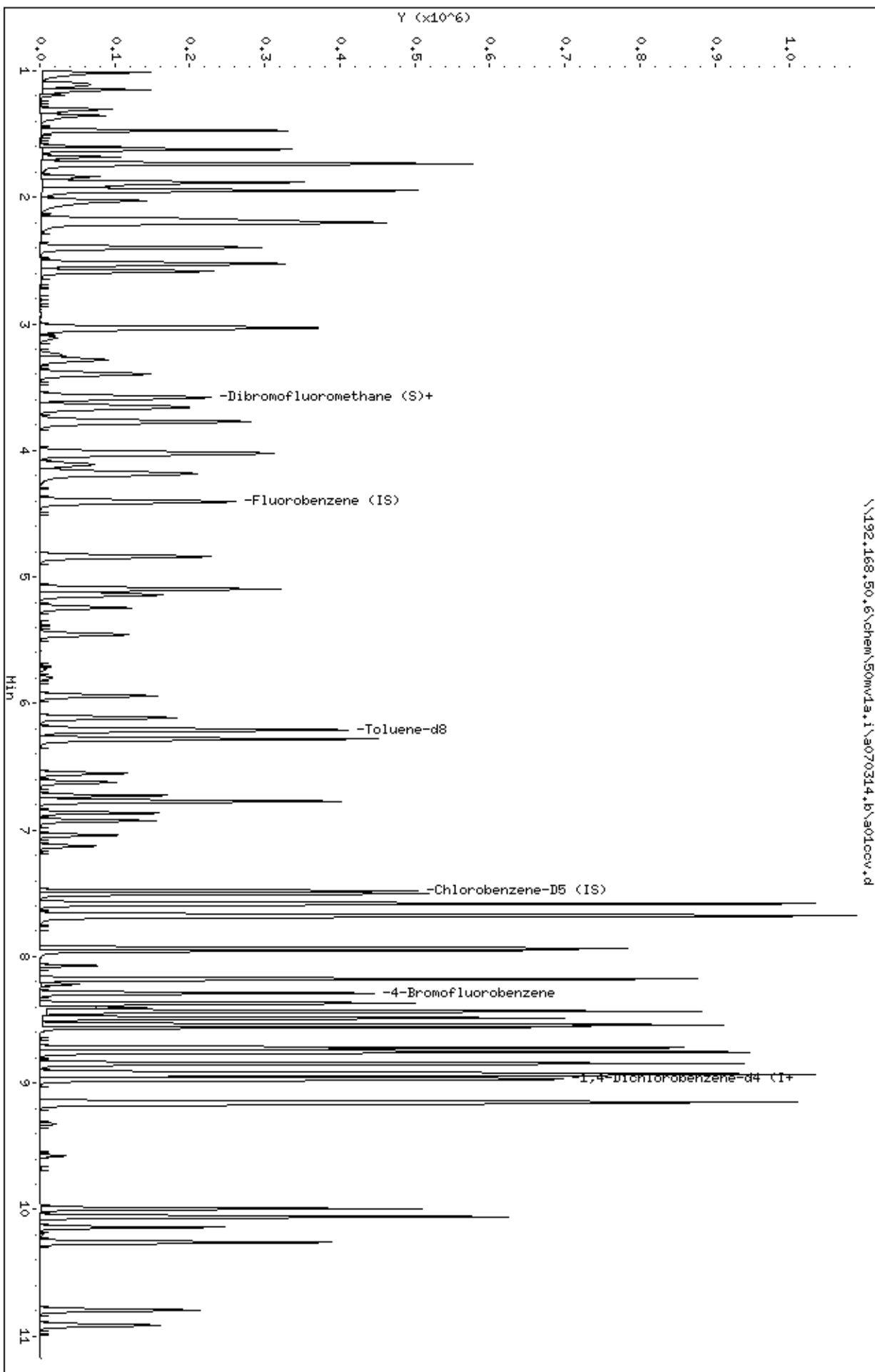
Review Codes Legend

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Sample Info: 8260-CCV,71692:0
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50wv1a.1
Operator: grm
Column diameter: 0.18

\\192.168.50.6\chem\50wv1a.1\9070314.b\901ocv.d



Data File: \\192.168.50.6\chem\50mv1a.i\a070314.b/a01ccv.d
Injection Date: 03-JUL-2014 12:16
Instrument: 50mv1a.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\50mv1b.i\b061914cal.b\b10icv.d
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 Inj Date : 19-JUN-2014 19:08
 Operator : grm Inst ID: 50mv1b.i
 Smp Info : 8260-icv,71105:0
 Misc Info : 65942
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 Meth Date : 20-Jun-2014 09:15 hbanter Quant Type: ISTD
 Cal Date : 19-JUN-2014 18:01 Cal File: b08cal.d
 Als bottle: 22 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 (ppb)	FINAL (ppb)	
1 Dichlorodifluoromethane	85			1.010	1.010	(0.229)	148330	59.4210	59.4	
2 Chloromethane	50			1.119	1.120	(0.254)	101547	52.2229	52.2	
3 Vinyl Chloride	62			1.146	1.146	(0.260)	108352	54.9400	54.9	
4 Bromomethane	94			1.302	1.303	(0.296)	68543	54.9461	54.9	
5 Chloroethane	64			1.349	1.350	(0.306)	61749	51.6578	51.6	
6 Trichlorofluoromethane	101			1.470	1.470	(0.334)	163662	50.6303	50.6	
7 Diethyl ether	74			1.600	1.601	(0.363)	31855	49.7017	49.7	
8 1,2-dichlorotrifluoroethane	67			1.621	1.617	(0.368)	112859	49.2383	49.2	
9 Acrolein	56			1.679	1.680	(0.381)	103471	1272.47	1270	
10 1,1,2trichlorotrifluoroethane	101			1.731	1.732	(0.393)	91199	50.4610	50.5	
11 1,1-Dichloroethene	96			1.736	1.737	(0.394)	71834	47.6910	47.7	
12 Acetone	43			1.747	1.747	(0.396)	40953	240.174	240	
13 Iodomethane	142			1.836	1.831	(0.417)	131736	94.9545	95.0	
14 Carbon Disulfide	76			1.883	1.883	(0.427)	502609	103.266	103	
15 Methyl Acetate	43			1.925	1.925	(0.437)	22970	58.9047	58.9	
16 Acetonitrile	39			1.945	1.946	(0.441)	149030	884.973	885	
17 allyl chloride	41			1.945	1.946	(0.441)	184067	93.6345	93.6	
18 Methylene Chloride	84			2.024	2.025	(0.459)	87827	46.4972	46.5	
19 tert-Butyl Alcohol	59			2.071	2.072	(0.470)	5645	109.833	110 (Q)	
20 Acrylonitrile	53			2.170	2.171	(0.492)	183147	949.623	950	
21 Methyl-tert-butyl ether	73			2.191	2.192	(0.497)	253703	93.4009	93.4	
22 1,2-Dichloroethene (trans)	96			2.207	2.208	(0.501)	76028	47.7094	47.7	
24 n-Hexane	57			2.395	2.396	(0.543)	121856	46.9565	47.0	

Compounds	QUANT		SIG				CONCENTRATIONS		REVIEW C
	MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ppb)	FINAL (ppb)		
25 Vinyl Acetate	43	2.521	2.521	(0.572)	299209	222.816	223		
26 1,1-Dichloroethane	63	2.531	2.532	(0.574)	142474	48.7583	48.8		
27 Chloroprene	53	2.583	2.584	(0.586)	129835	49.8054	49.8		
28 2-Butanone	43	3.022	3.023	(0.686)	64551	247.753	248		
29 1,2-Dichloroethene (cis)	96	3.033	3.034	(0.688)	82618	48.3609	48.4		
30 2,2-Dichloropropane	77	3.038	3.039	(0.689)	113130	54.7410	54.7		
31 Propionitrile	54	3.090	3.091	(0.701)	3145	44.7196	44.7 (Q)		
32 Methacrylonitrile	41	3.242	3.237	(0.736)	81310	1104.40	1100		
33 Bromochloromethane	49	3.279	3.279	(0.744)	40919	51.7041	51.7		
34 Tetrahydrofuran	42	3.305	3.300	(0.750)	7529	60.0164	60.0		
35 Chloroform	83	3.399	3.400	(0.771)	150531	48.5720	48.6		
36 isopropyl acetate	61	3.582	3.577	(0.813)	61348		(Q)		
37 1,1,1-Trichloroethane	97	3.577	3.577	(0.811)	130866	50.3292	50.3		
\$ 38 Dibromofluoromethane (S)	113	3.582	3.583	(0.813)	68497	50.6896	50.7		
39 Cyclohexane	56	3.660	3.661	(0.830)	131361	55.4808	55.5		
40 Carbon Tetrachloride	117	3.765	3.771	(0.854)	104309	50.1472	50.1		
41 1,1-Dichloropropene	75	3.780	3.776	(0.858)	128913	51.2101	51.2		
42 Benzene	78	4.026	4.027	(0.913)	327757	52.5778	52.6		
43 1,2-Dichloroethane	62	4.115	4.116	(0.934)	92002	48.6642	48.7		
44 Isobutyl alcohol	43	4.136	4.184	(0.938)	321267	320.565	320 (Q)		
45 2,2,4-Trimethylpentane	57	4.183	4.184	(0.949)	298211	51.3595	51.4		
* 46 Fluorobenzene (IS)	96	4.408	4.409	(1.000)	283644	50.0000			
47 Trichloroethene	95	4.842	4.842	(1.098)	93498	51.1448	51.1		
48 Methylcyclohexane	55	5.098	5.099	(1.157)	117662	55.4266	55.4		
49 1,2-Dichloropropane	63	5.145	5.146	(1.167)	68230	49.1107	49.1		
50 Dibromomethane	93	5.239	5.240	(1.189)	32115	48.6338	48.6		
51 1,4-Dioxane	88	5.250	5.250	(1.191)	7286		(R)		
52 Methyl methacrylate	69	5.255	5.255	(1.192)	27607	53.3699	53.4		
53 Bromodichloromethane	83	5.459	5.459	(1.238)	99364	50.1848	50.2		
54 2-Chloroethyl vinyl ether	63	5.799	5.799	(0.774)	14453	59.1558	59.2		
55 cis-1,3-Dichloropropene	75	5.940	5.940	(0.793)	108408	52.3340	52.3		
56 4-Methyl-2-Pentanone	43	6.112	6.113	(0.816)	153786	266.140	266		
\$ 57 Toluene-d8	98	6.212	6.212	(0.830)	286743	49.8185	49.8		
58 Toluene	91	6.285	6.285	(0.839)	354669	49.2574	49.2		
59 trans-1,3-Dichloropropene	75	6.557	6.552	(0.876)	78181	45.5904	45.6		
60 Ethyl Methacrylate	69	6.625	6.625	(0.885)	264774	217.075	217		
61 1,1,2-Trichloroethane	83	6.734	6.730	(0.899)	42247	49.6349	49.6		
62 Tetrachloroethene	166	6.776	6.777	(0.905)	108400	48.4229	48.4		
63 1,3-Dichloropropane	76	6.865	6.866	(0.917)	93801	48.9220	48.9		
64 2-Hexanone	43	6.928	6.928	(0.925)	110685	279.051	279		
65 Dibromochloromethane	129	7.043	7.043	(0.941)	52939	48.3020	48.3		
66 1,2-Dibromoethane	107	7.126	7.127	(0.952)	47110	51.7931	51.8		
* 67 Chlorobenzene-D5 (IS)	117	7.487	7.488	(1.000)	218994	50.0000			
68 Chlorobenzene	112	7.508	7.509	(1.003)	218749	49.6032	49.6		
69 1,1,1,2-Tetrachloroethane	131	7.581	7.582	(1.013)	68864	49.6552	49.6		
70 Ethylbenzene	106	7.586	7.587	(1.013)	129484	51.5597	51.6 (Q)		
71 m&p-Xylene	106	7.681	7.681	(1.026)	318344	103.687	104 (Q)		
72 o-Xylene	106	7.937	7.937	(1.060)	158596	54.2826	54.3		
73 Styrene	104	7.958	7.953	(1.063)	254375	52.2378	52.2		
74 Bromoform	173	8.073	8.079	(0.900)	31591	45.0605	45.1		
75 Isopropylbenzene	105	8.177	8.178	(1.092)	452865	53.8890	53.9		
\$ 76 4-Bromofluorobenzene	95	8.292	8.293	(1.108)	115635	49.6204	49.6		
77 Bromobenzene	77	8.371	8.371	(1.118)	165326	49.9671	50.0		
78 n-amyl acetate	70	8.073	8.076	(1.078)	177549		(Q)		

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS		REVIEW C
						ON-COLUMN (ppb)	FINAL (ppb)	
79 1,1,2,2-Tetrachloroethane	83	8.381	8.382	(0.935)	57891	52.2602	52.3	
80 trans-1,4-Dichloro-2-butene	53	8.397	8.398	(1.121)	57273	249.381	249(Q)	
81 1,2,3-Trichloropropane	110	8.413	8.413	(0.938)	17445	50.5747	50.6(Q)	
82 n-Propylbenzene	91	8.433	8.434	(0.941)	559135	54.9572	55.0	
83 2-Chlorotoluene	91	8.486	8.486	(0.946)	321384	51.6560	51.6	
84 1,3,5-Trimethylbenzene	105	8.543	8.544	(0.953)	375436	52.9138	52.9	
85 4-Chlorotoluene	126	8.564	8.560	(0.955)	95660	51.4636	51.5(Q)	
86 tert-Butylbenzene	119	8.726	8.722	(0.973)	342647	52.2304	52.2	
87 1,2,4-Trimethylbenzene	105	8.758	8.758	(0.977)	376505	54.5806	54.6	
88 sec-Butylbenzene	105	8.852	8.847	(0.987)	510545	54.4515	54.4	
89 1,3-Dichlorobenzene	146	8.920	8.920	(0.995)	196440	51.2748	51.3	
90 p-Isopropyltoluene	119	8.935	8.936	(0.997)	408314	52.1104	52.1	
* 91 1,4-Dichlorobenzene-d4 (IS)	152	8.967	8.967	(1.000)	120303	50.0000	(Q)	
92 1,4-Dichlorobenzene	146	8.977	8.978	(1.001)	186434	51.2677	51.3	
93 n-Butylbenzene	91	9.155	9.150	(1.021)	446168	54.4982	54.5	
94 1,2-Dichlorobenzene	146	9.171	9.171	(1.023)	165723	50.1541	50.2	
95 1,2-Dibromo-3-chloropropane	155	9.584	9.579	(1.069)	8017	47.8534	47.8	
96 1,2,4-Trichlorobenzene	180	9.997	9.992	(1.115)	155667	56.5878	56.6	
97 Hexachlorobutadiene	225	10.059	10.060	(1.122)	117820	49.9157	49.9	
98 Naphthalene	128	10.143	10.144	(1.131)	201273	61.6167	61.6	
99 1,2,3-Trichlorobenzene	180	10.263	10.259	(1.145)	131320	55.1266	55.1	
100 2-methyl-naphthalene	142	10.796	10.797	(1.204)	100045	51.9491	51.9	
101 1-methylnaphthalene	142	10.917	10.917	(1.217)	92253	55.0239	55.0	

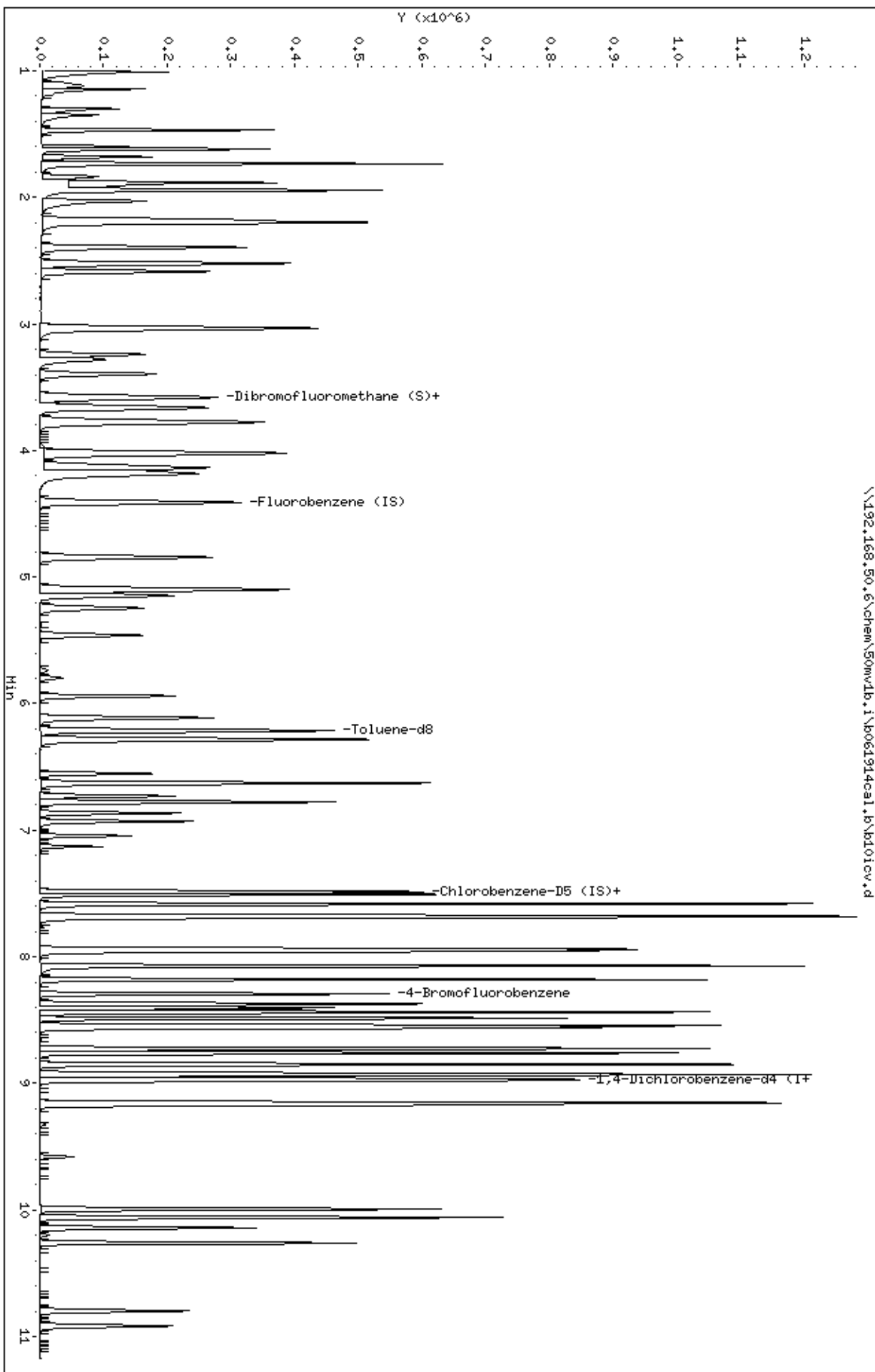
QC Flag Legend

Q - Qualifier signal failed the ratio test.
 R - Spike/Surrogate failed recovery limits.

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Date: 19-JUN-2014 19:08
Client ID: 8260-ICV,71105:0
Sample Info: 8260-ICV,71105:0
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50mvlb.1
Operator: grm
Column diameter: 0.18

\\192.168.50.6\chem\50mvlb.1\B061914cal.1\k101ov.d



Date : 19-JUN-2014 19:08

Client ID: 8260-ICV,71105;0

Instrument: 50mv1b.i

Sample Info: 8260-ICV,71105;0

Purge Volume: 5.0

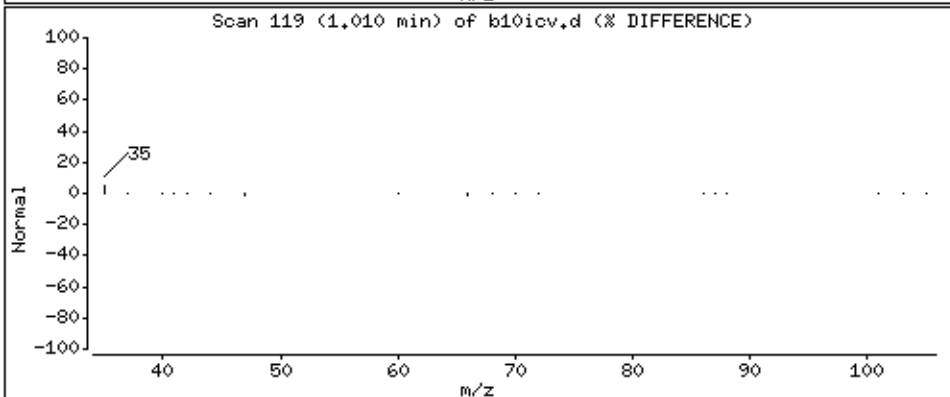
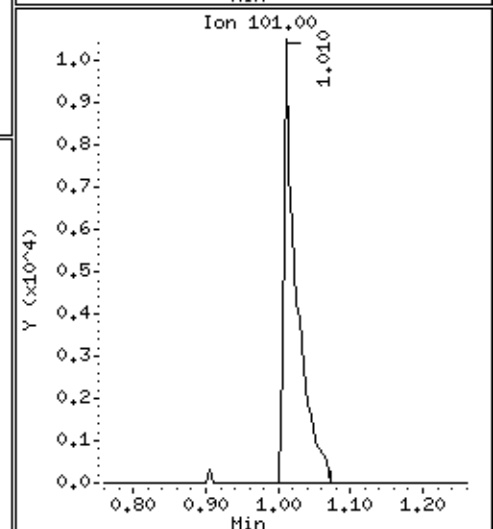
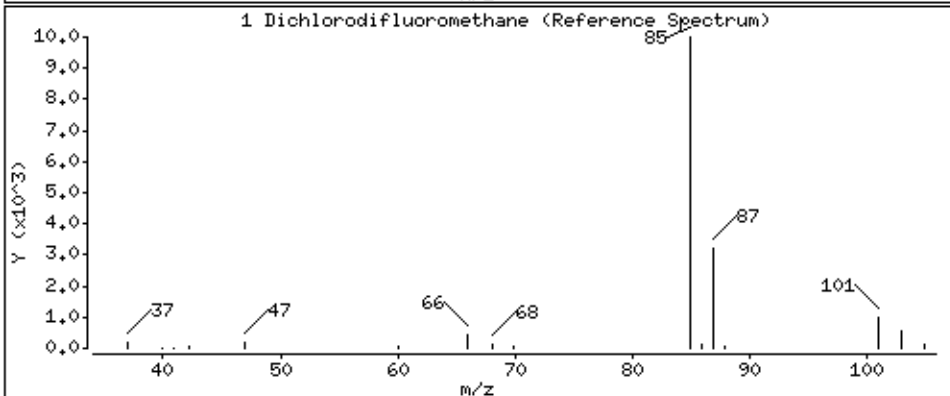
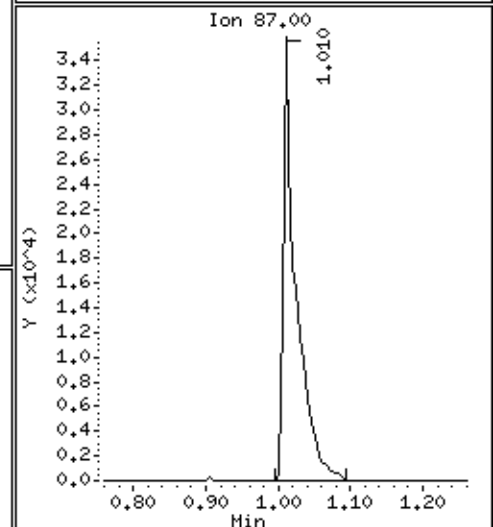
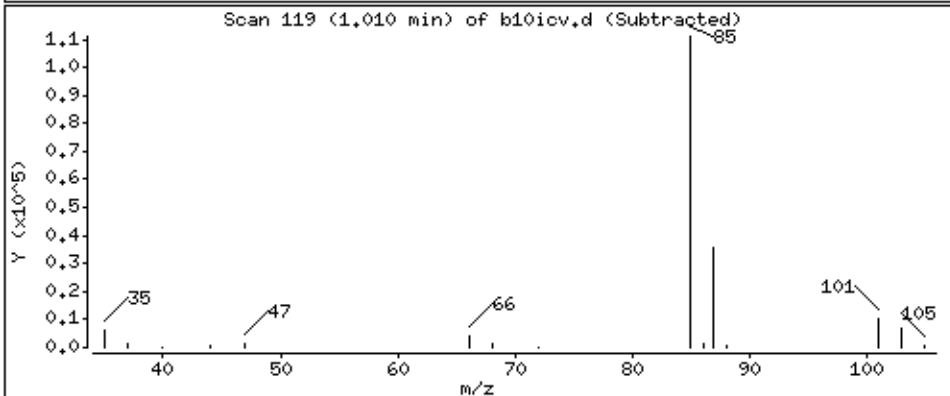
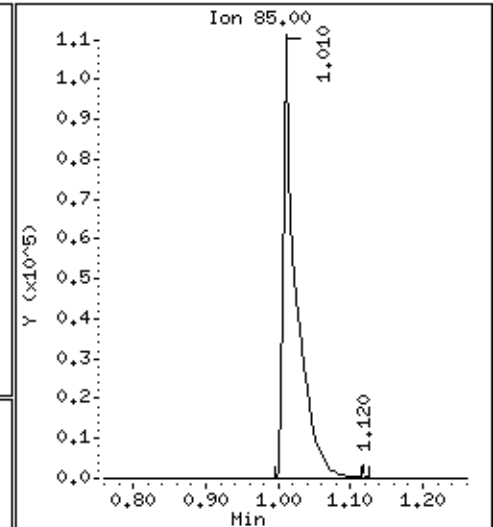
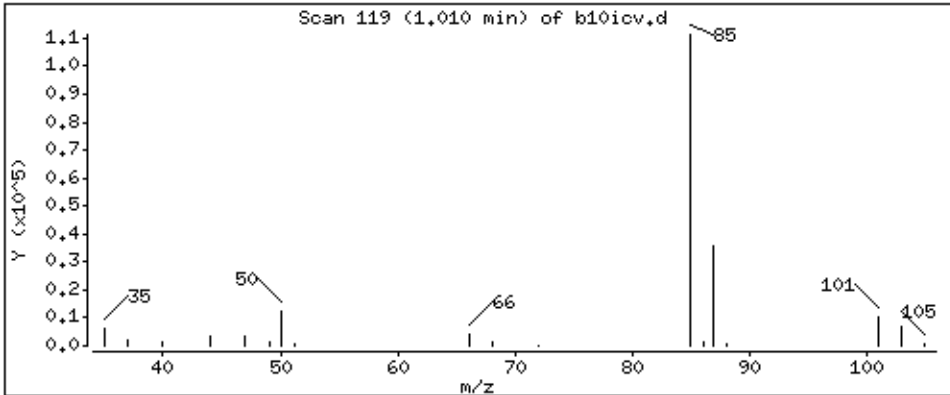
Operator: grm

Column phase: DB-624

Column diameter: 0,18

1 Dichlorodifluoromethane

Concentration: 59,4 ppb



Date : 19-JUN-2014 19:08

Client ID: 8260-ICV,71105;0

Instrument: 50mv1b.i

Sample Info: 8260-ICV,71105;0

Purge Volume: 5.0

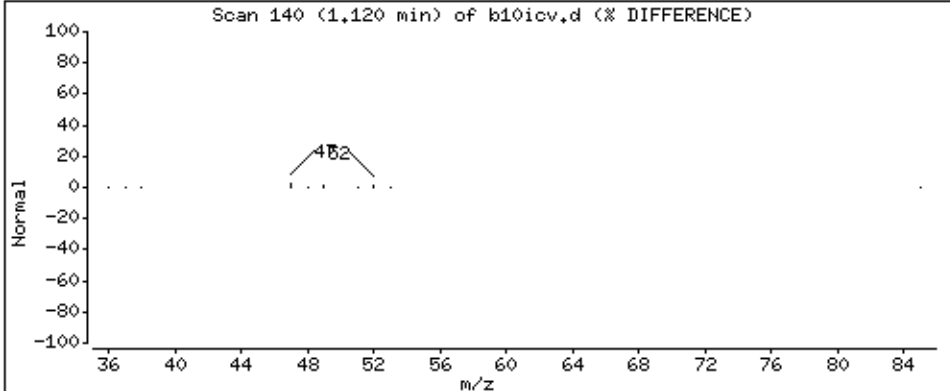
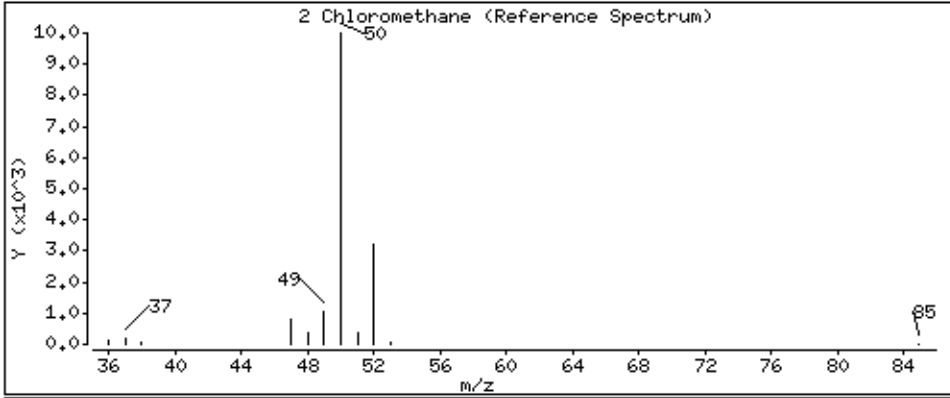
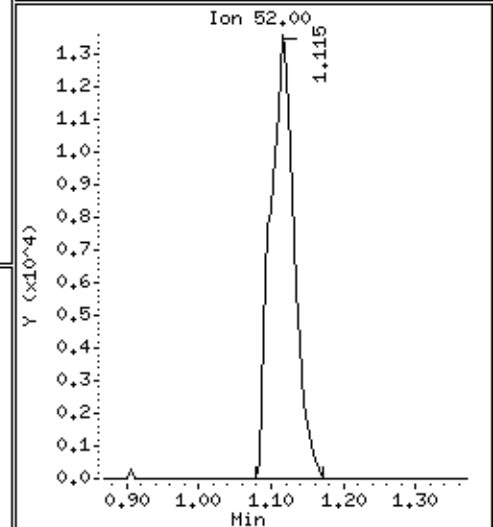
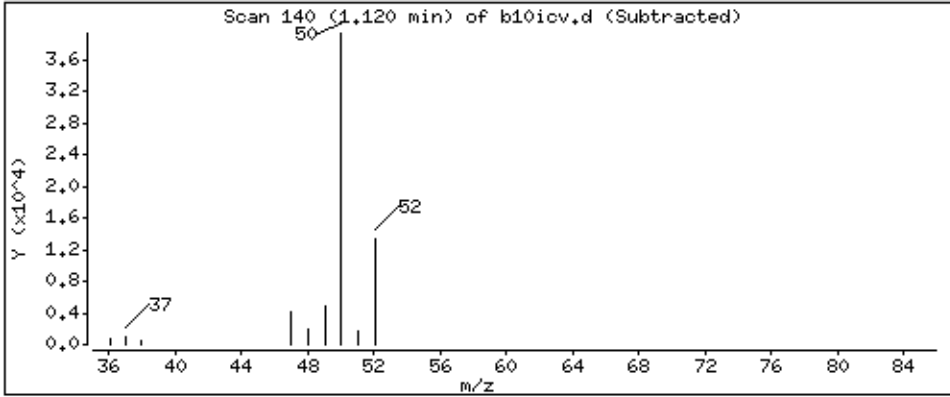
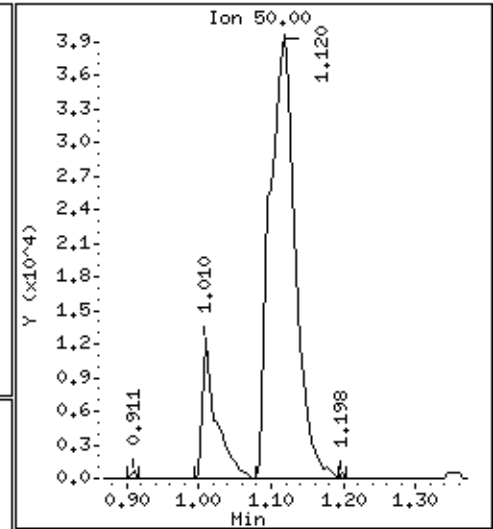
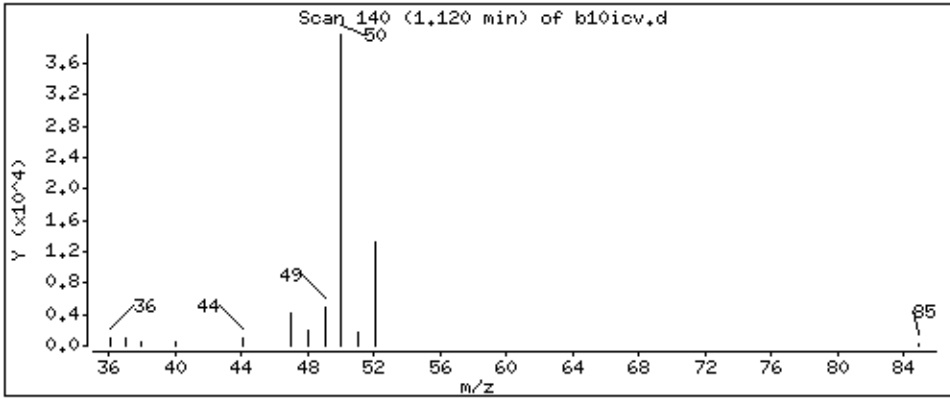
Operator: grm

Column phase: DB-624

Column diameter: 0,18

2 Chloromethane

Concentration: 52.2 ppb



Date : 19-JUN-2014 19:08

Client ID: 8260-ICV,71105;0

Instrument: 50mv1b.i

Sample Info: 8260-ICV,71105;0

Purge Volume: 5.0

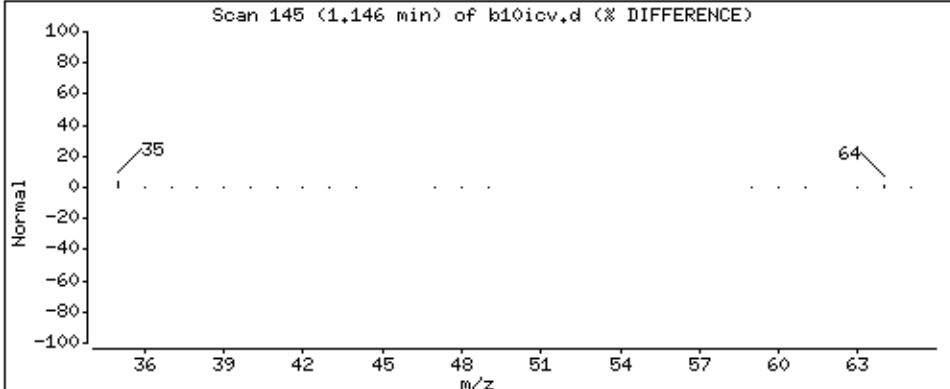
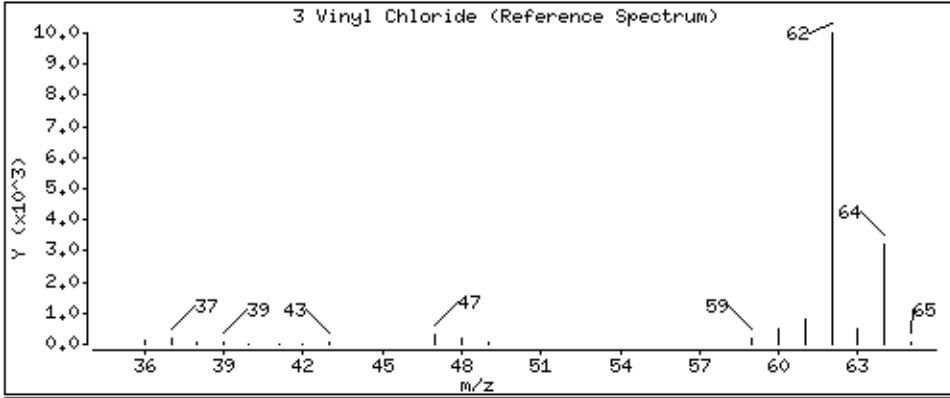
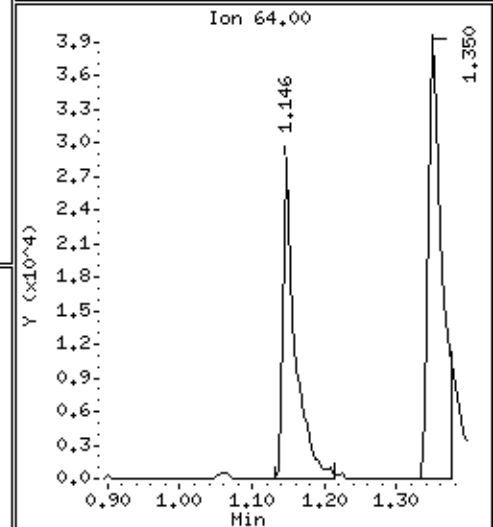
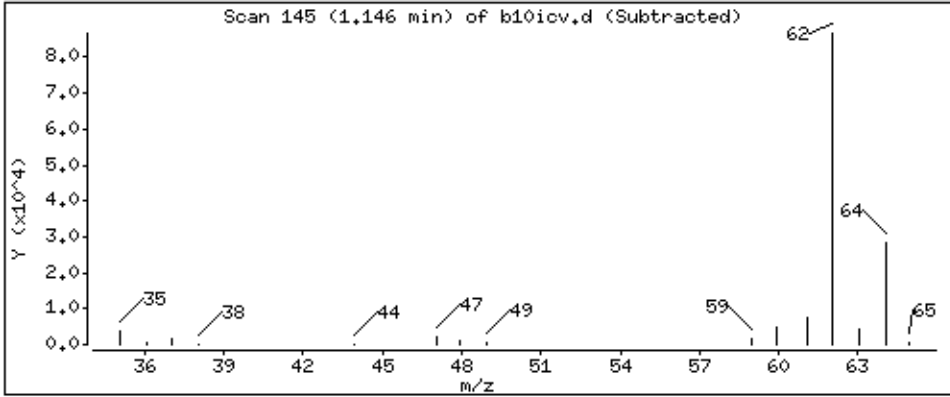
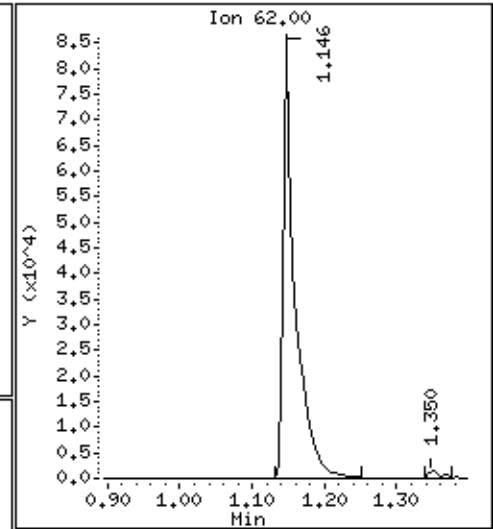
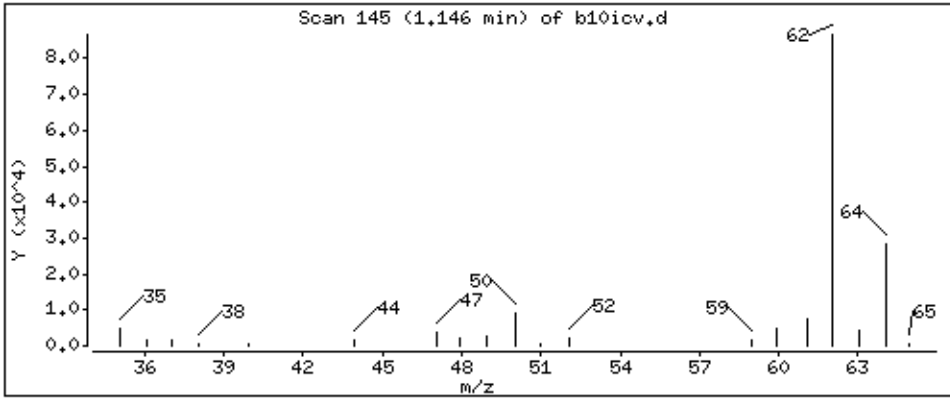
Operator: grm

Column phase: DB-624

Column diameter: 0,18

3 Vinyl Chloride

Concentration: 54,9 ppb



Date : 19-JUN-2014 19:08

Client ID: 8260-ICV,71105;0

Instrument: 50mv1b.i

Sample Info: 8260-ICV,71105;0

Purge Volume: 5.0

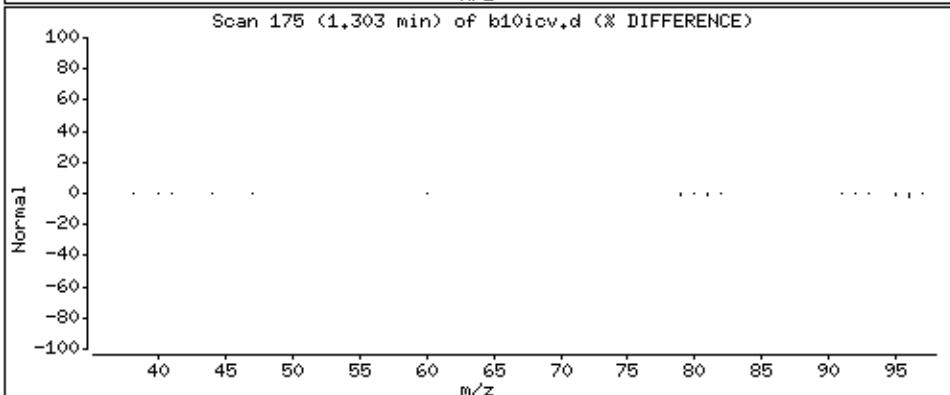
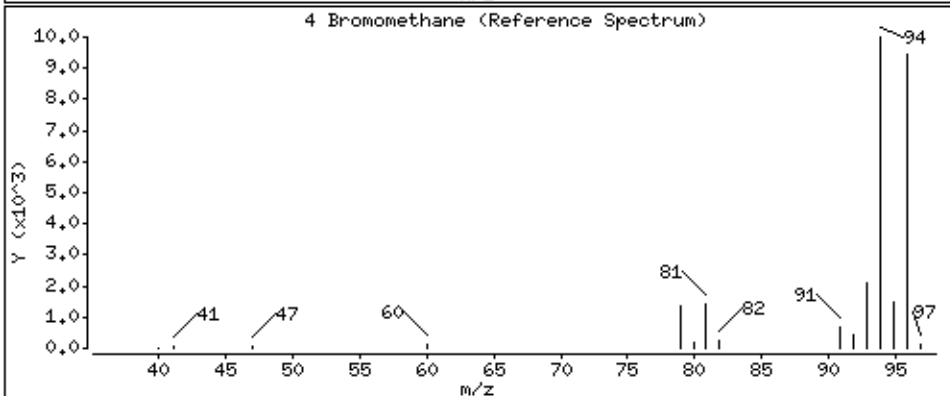
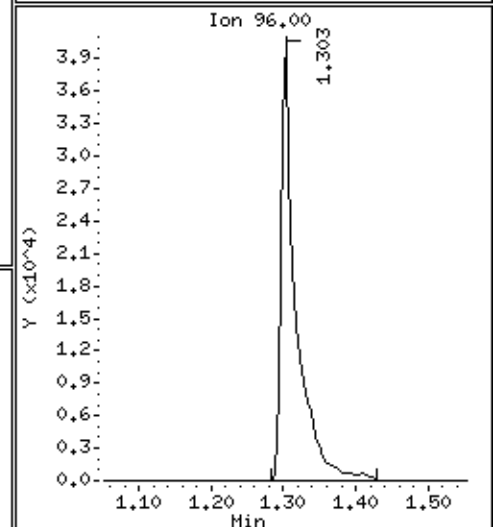
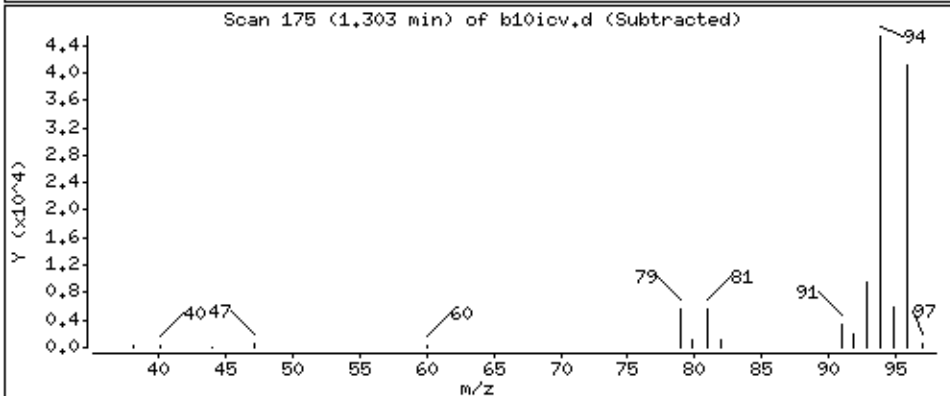
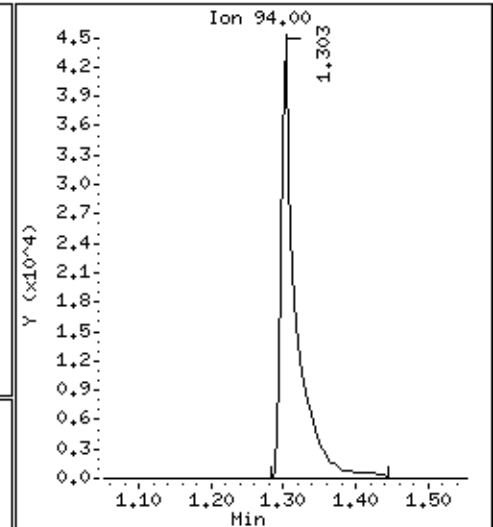
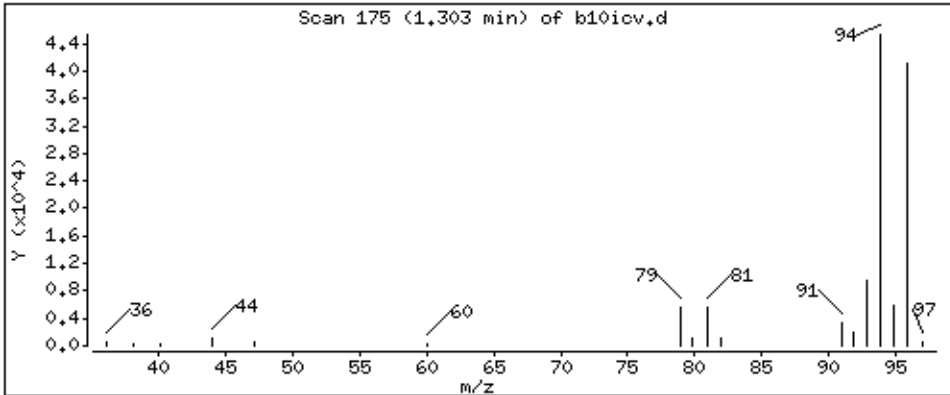
Operator: grm

Column phase: DB-624

Column diameter: 0,18

4 Bromomethane

Concentration: 54,9 ppb



Date : 19-JUN-2014 19:08

Client ID: 8260-ICV,71105;0

Instrument: 50mv1b.i

Sample Info: 8260-ICV,71105;0

Purge Volume: 5.0

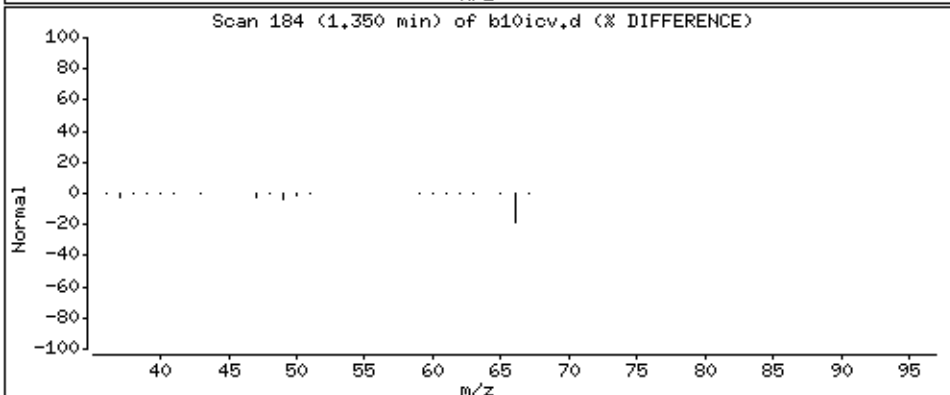
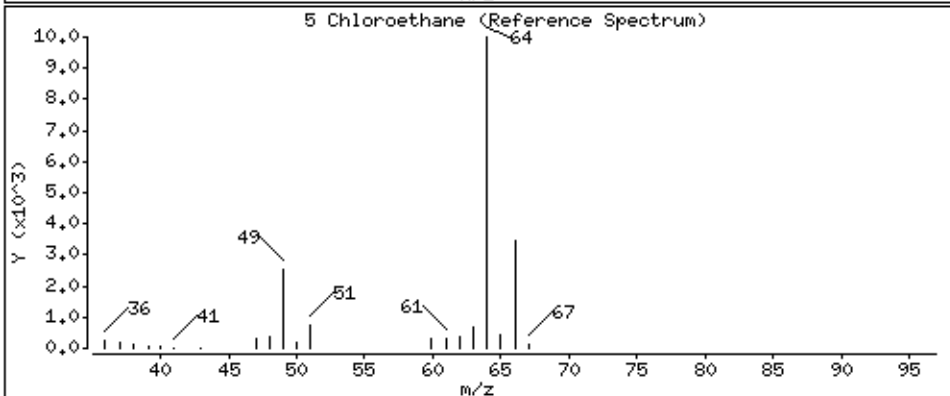
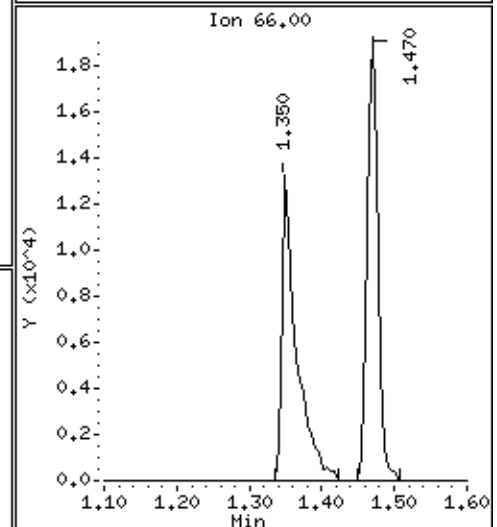
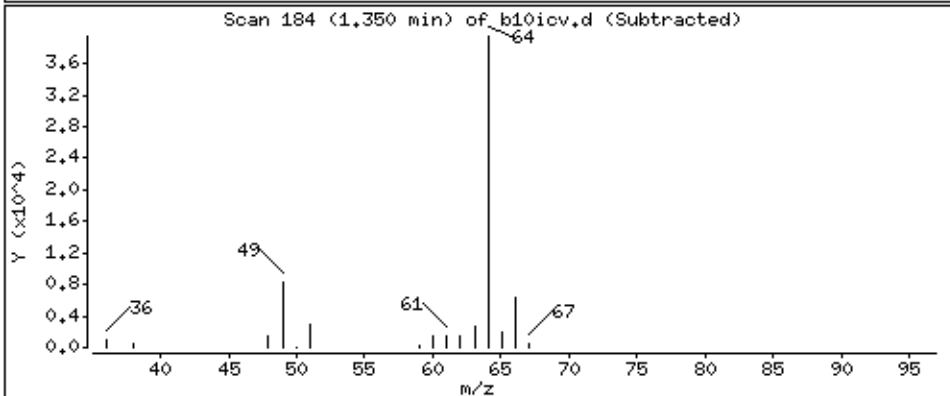
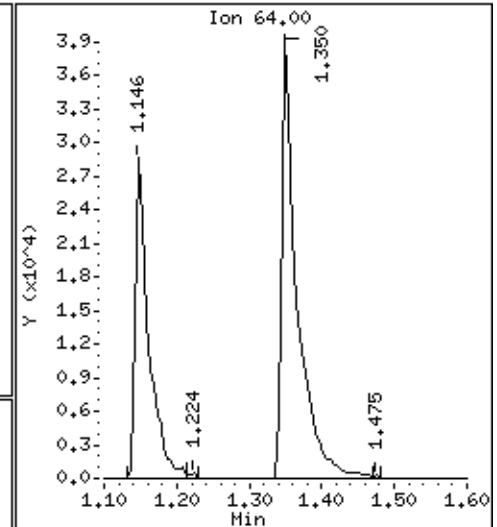
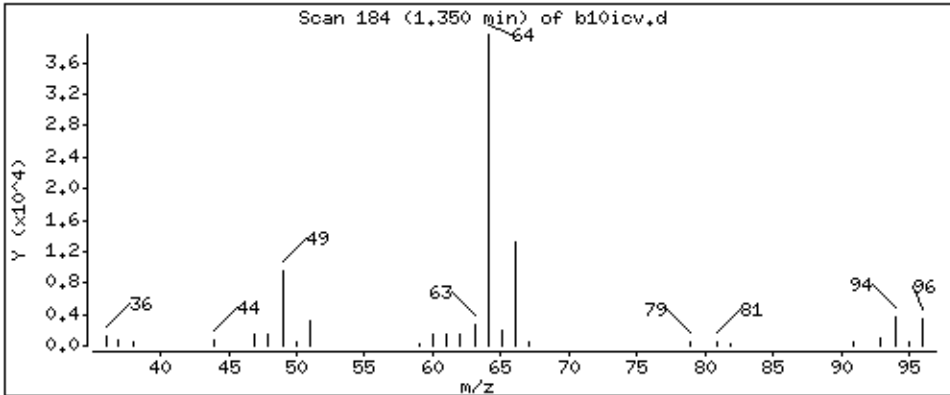
Operator: grm

Column phase: DB-624

Column diameter: 0,18

5 Chloroethane

Concentration: 51.6 ppb



Date : 19-JUN-2014 19:08

Client ID: 8260-ICV,71105;0

Instrument: 50mv1b.i

Sample Info: 8260-ICV,71105;0

Purge Volume: 5.0

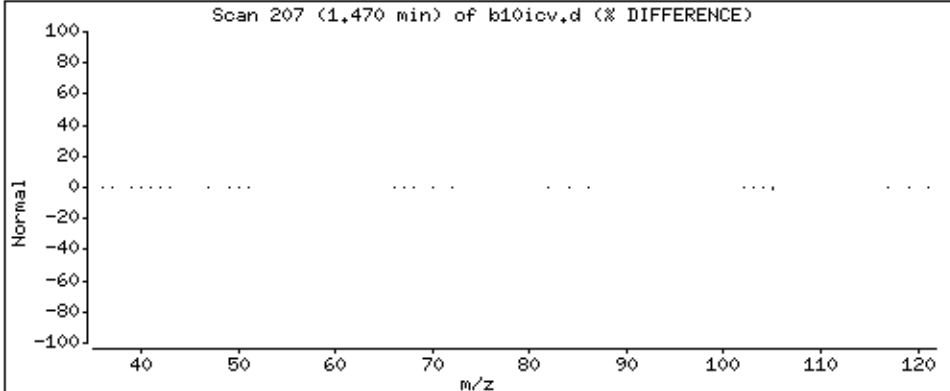
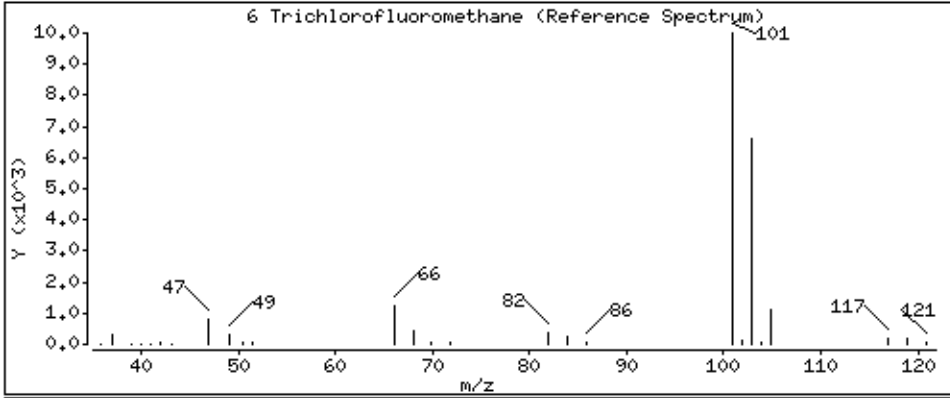
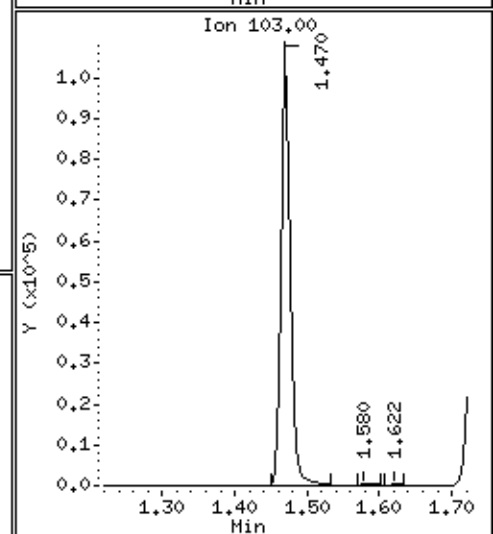
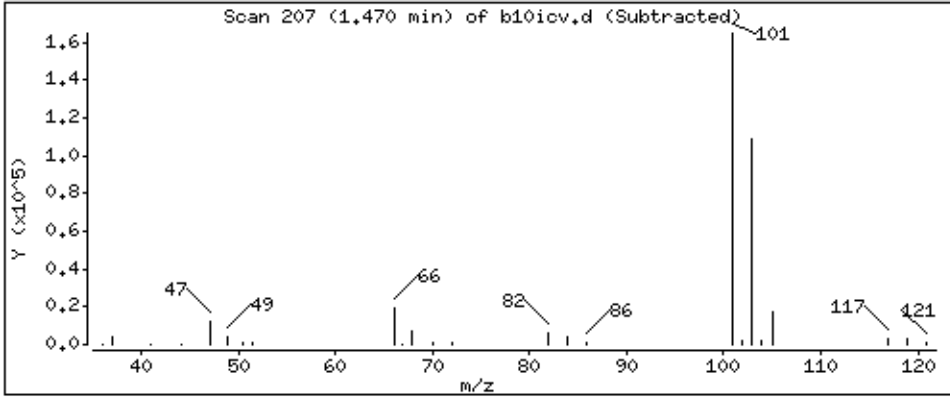
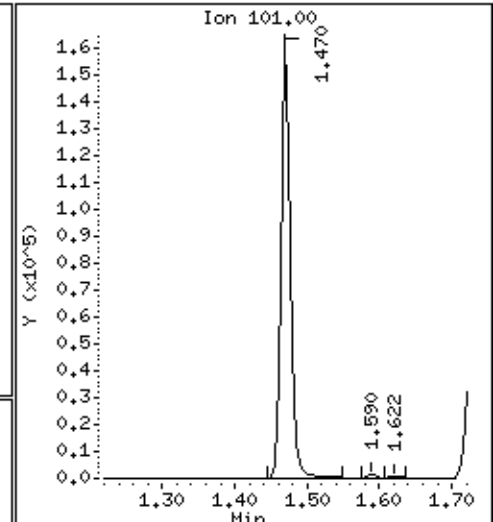
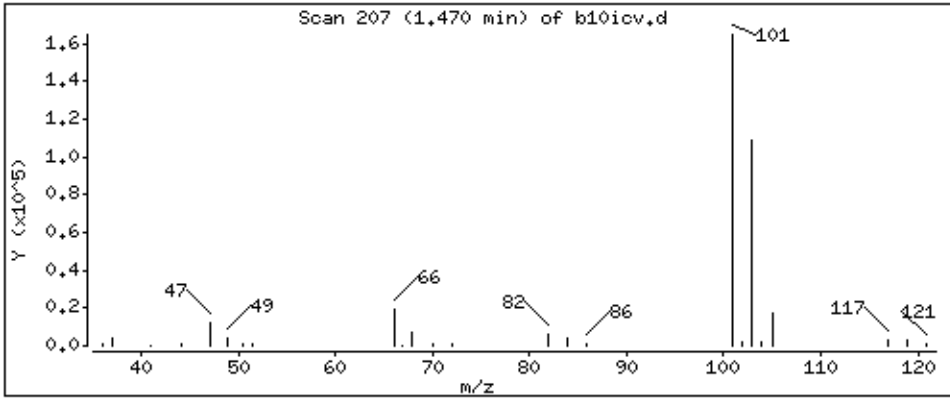
Operator: grm

Column phase: DB-624

Column diameter: 0,18

6 Trichlorofluoromethane

Concentration: 50,6 ppb



Date : 19-JUN-2014 19:08

Client ID: 8260-ICV,71105:0

Instrument: 50mv1b.i

Sample Info: 8260-ICV,71105:0

Purge Volume: 5.0

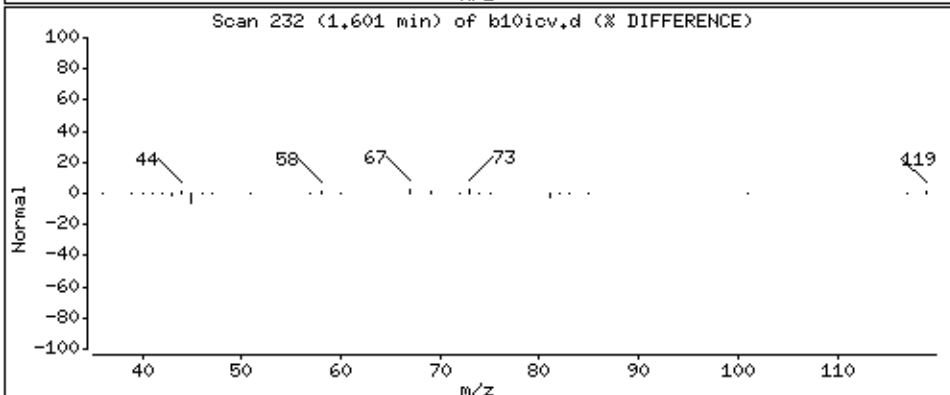
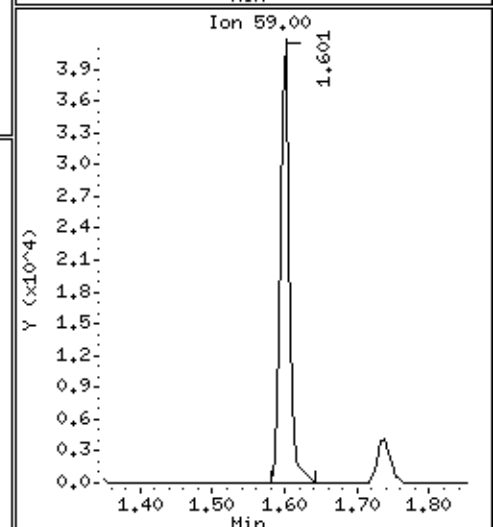
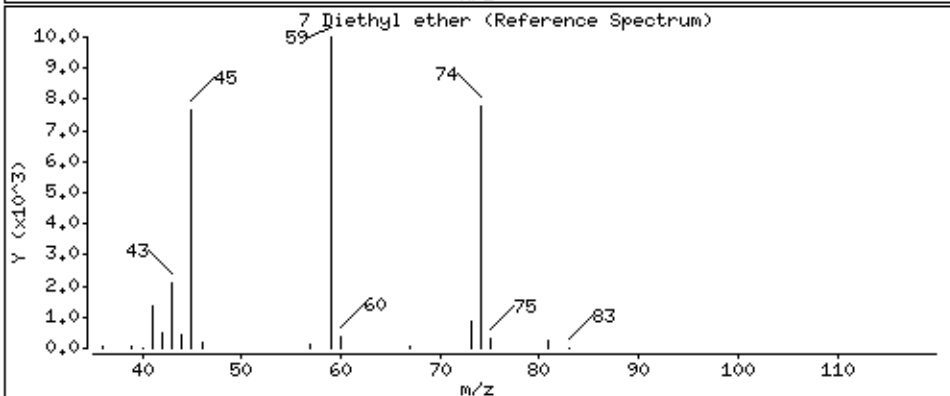
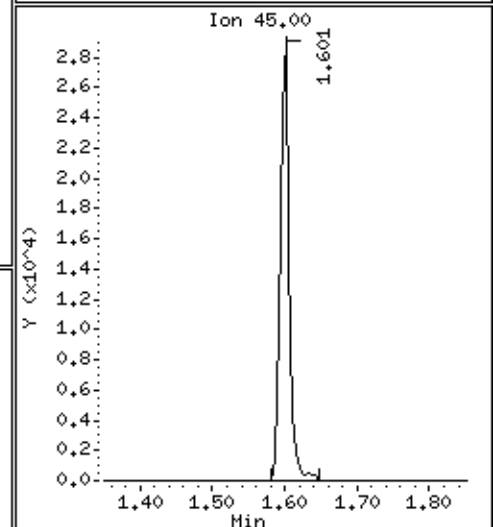
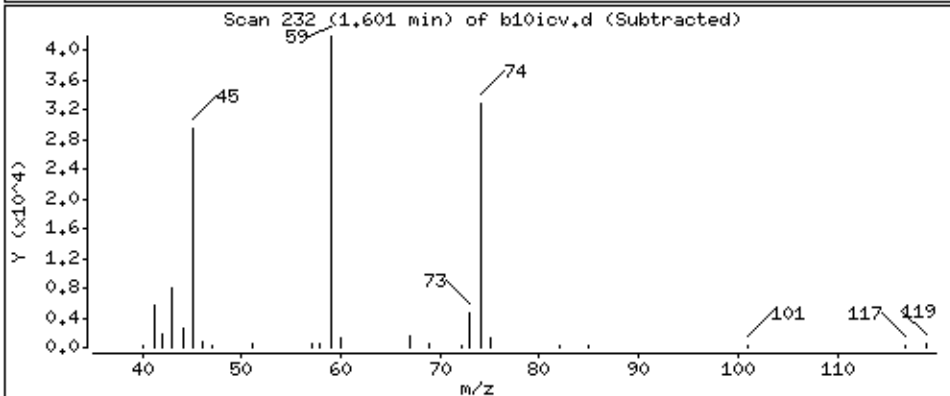
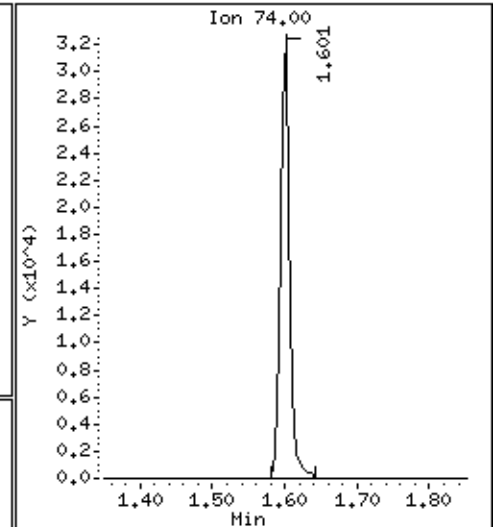
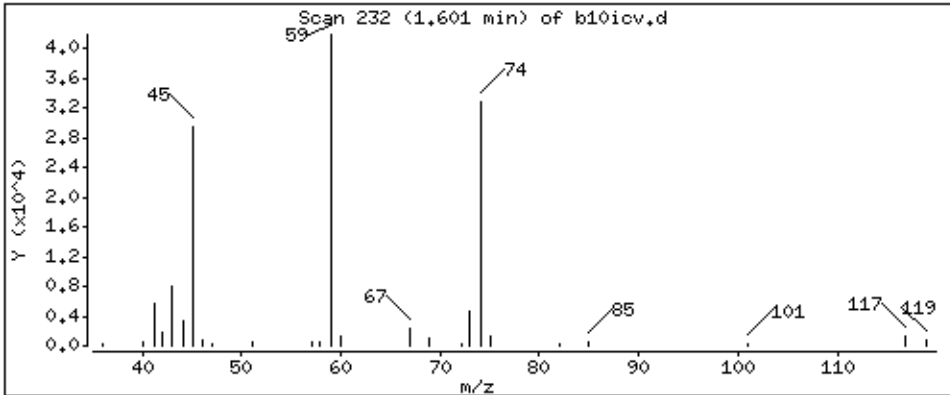
Operator: grm

Column phase: DB-624

Column diameter: 0,18

7 Diethyl ether

Concentration: 49.7 ppb



Date : 19-JUN-2014 19:08

Client ID: 8260-ICV,71105;0

Instrument: 50mv1b.i

Sample Info: 8260-ICV,71105;0

Purge Volume: 5.0

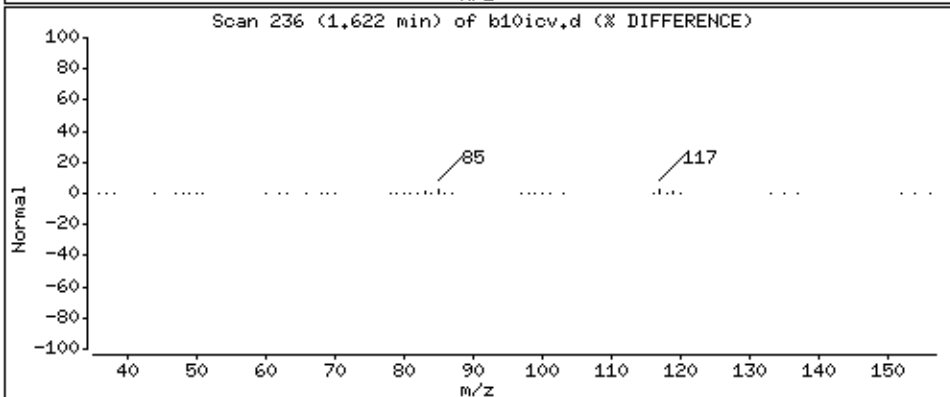
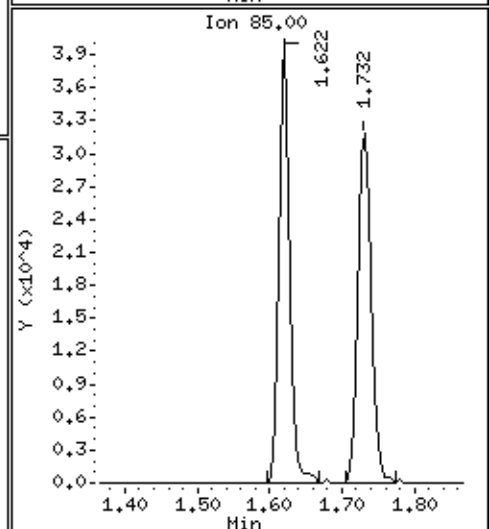
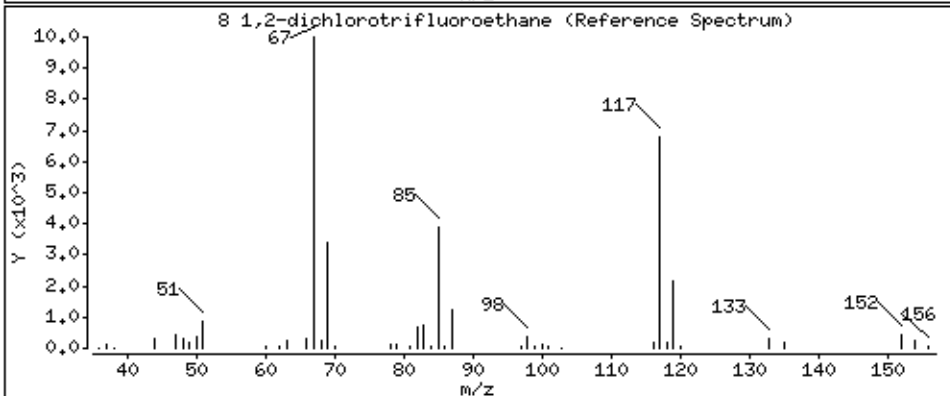
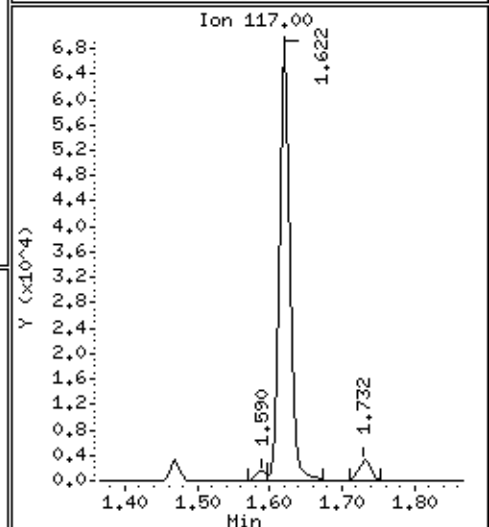
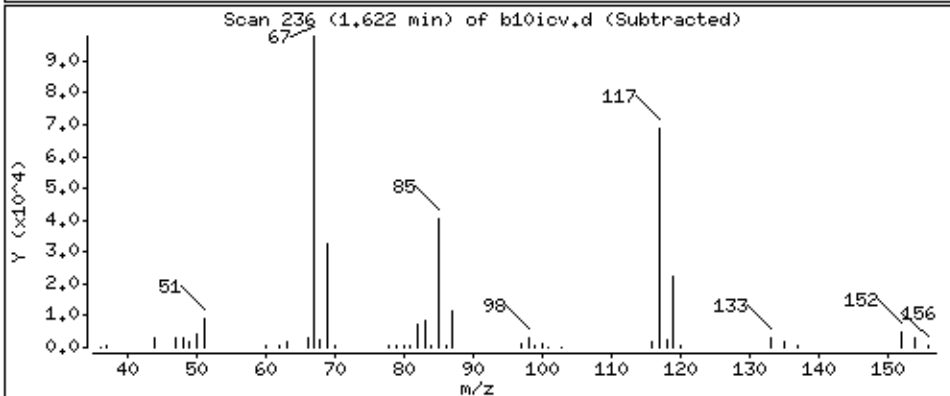
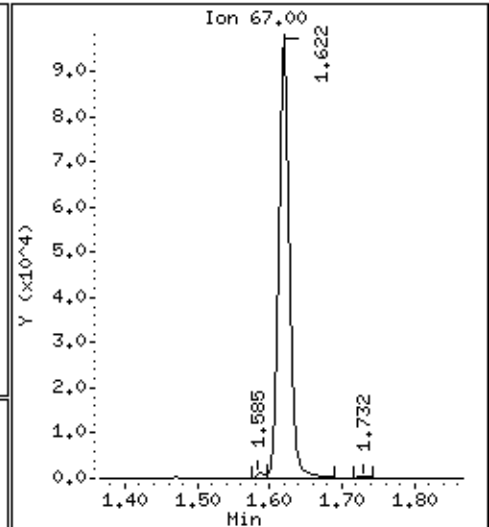
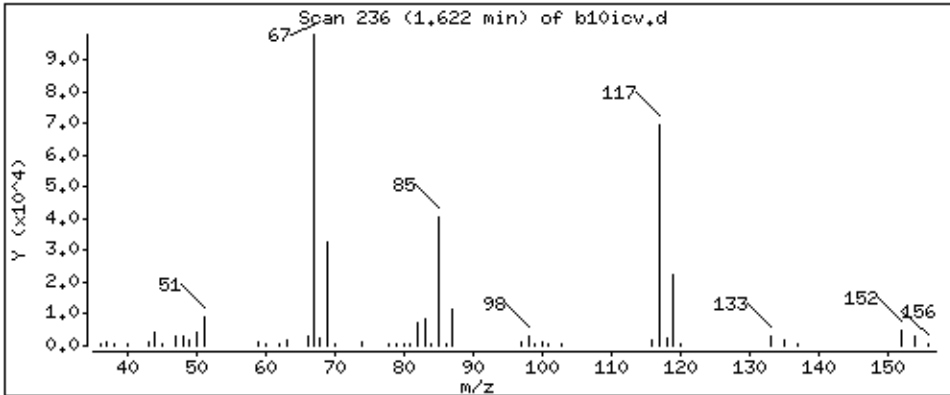
Operator: grm

Column phase: DB-624

Column diameter: 0,18

8 1,2-dichlorotrifluoroethane

Concentration: 49.2 ppb



Date : 19-JUN-2014 19:08

Client ID: 8260-ICV,71105;0

Instrument: 50mv1b.i

Sample Info: 8260-ICV,71105;0

Purge Volume: 5.0

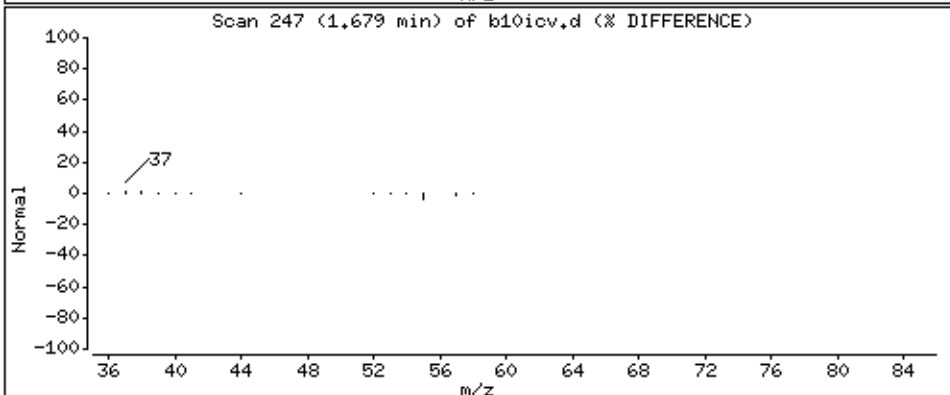
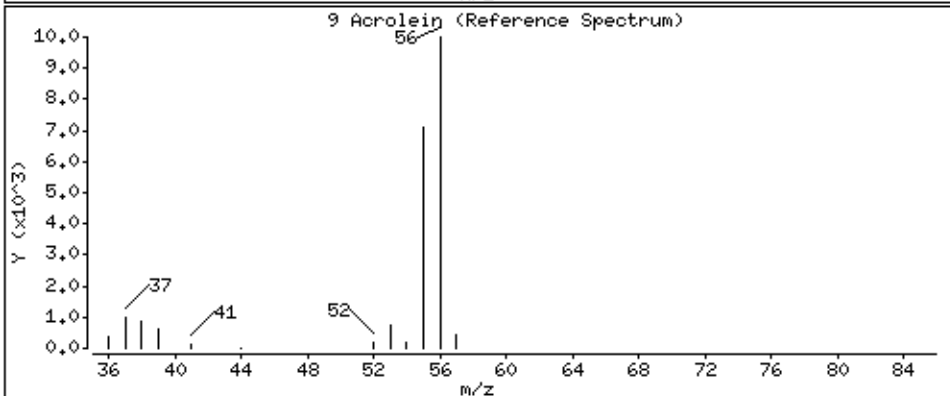
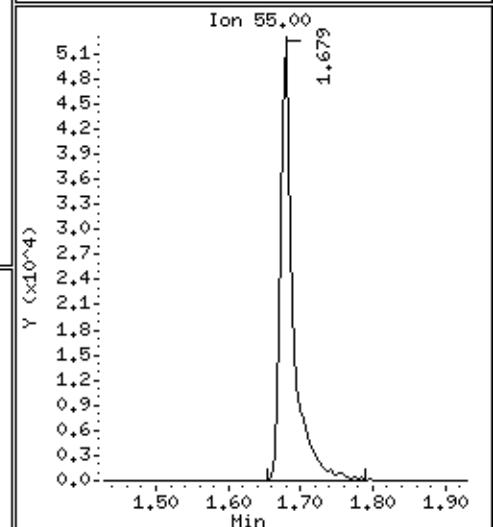
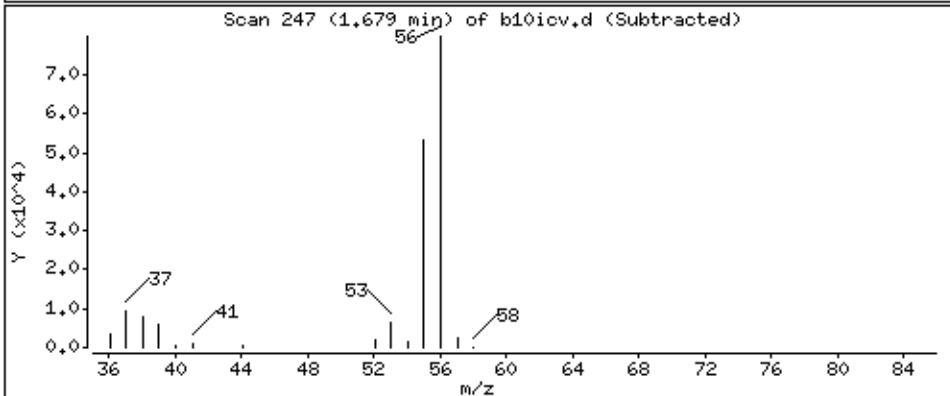
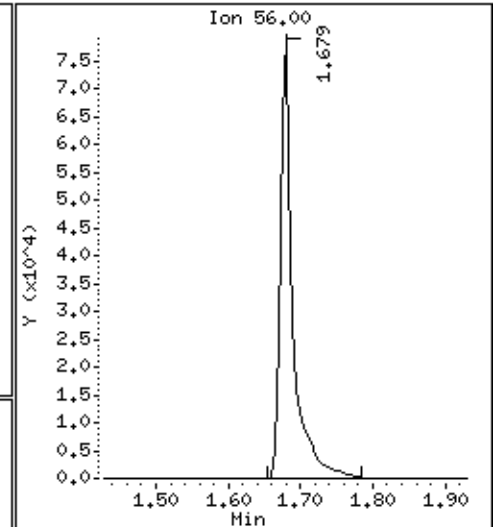
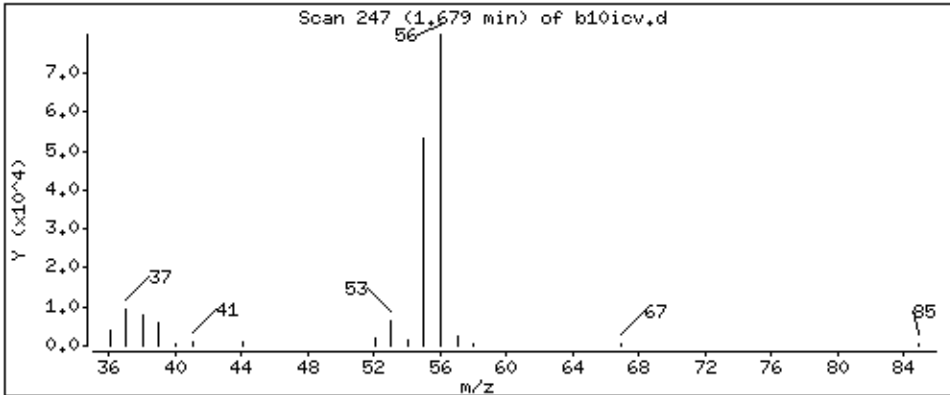
Operator: grm

Column phase: DB-624

Column diameter: 0,18

9 Acrolein

Concentration: 1270 ppb



Date : 19-JUN-2014 19:08

Client ID: 8260-ICV,71105;0

Instrument: 50mv1b.i

Sample Info: 8260-ICV,71105;0

Purge Volume: 5.0

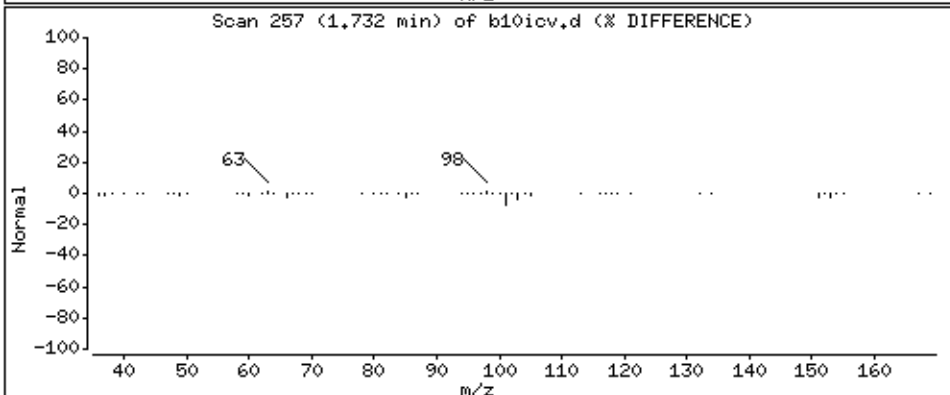
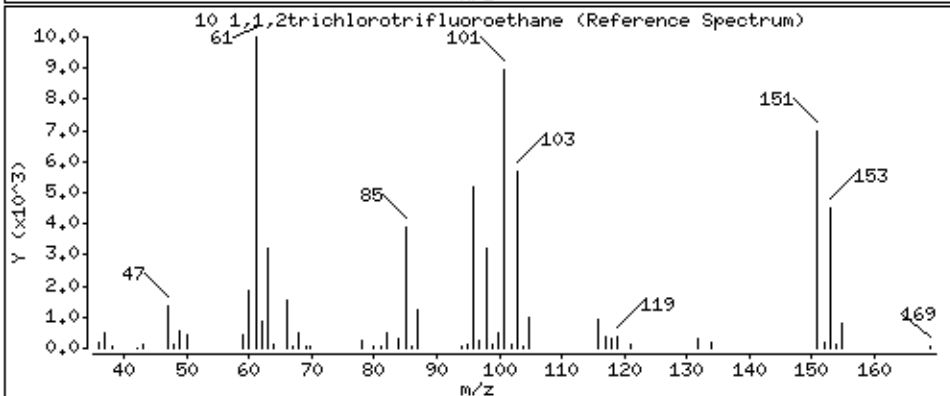
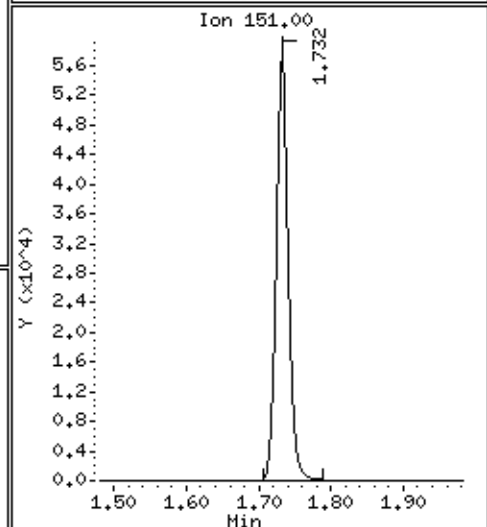
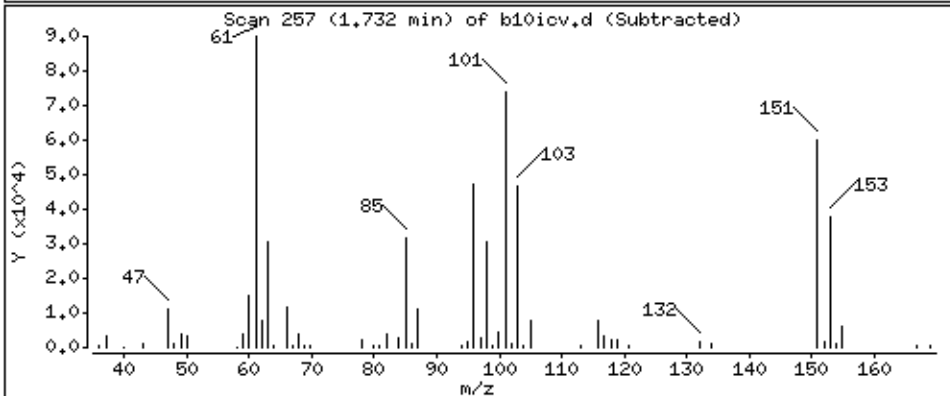
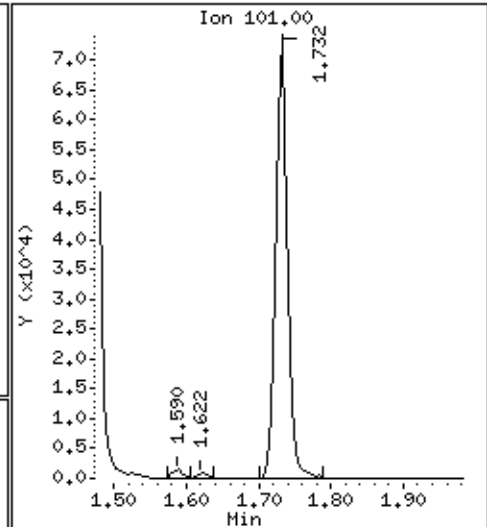
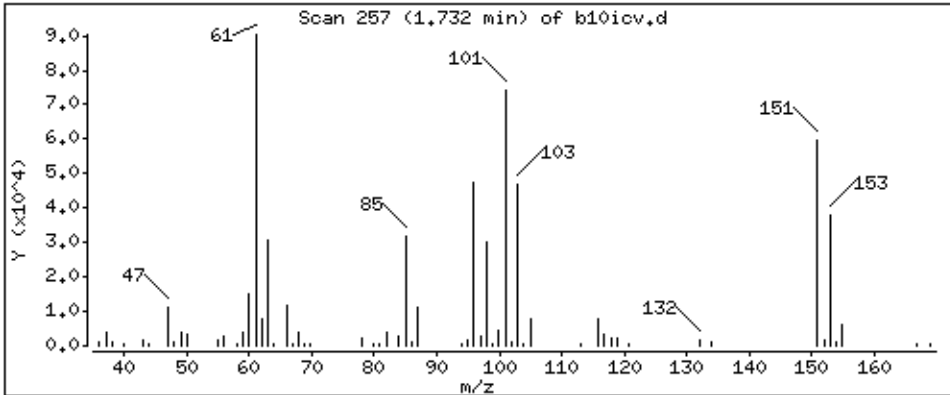
Operator: grm

Column phase: DB-624

Column diameter: 0,18

10 1,1,2trichlorotrifluoroethane

Concentration: 50,5 ppb



Date : 19-JUN-2014 19:08

Client ID: 8260-ICV,71105:0

Instrument: 50mv1b.i

Sample Info: 8260-ICV,71105:0

Purge Volume: 5.0

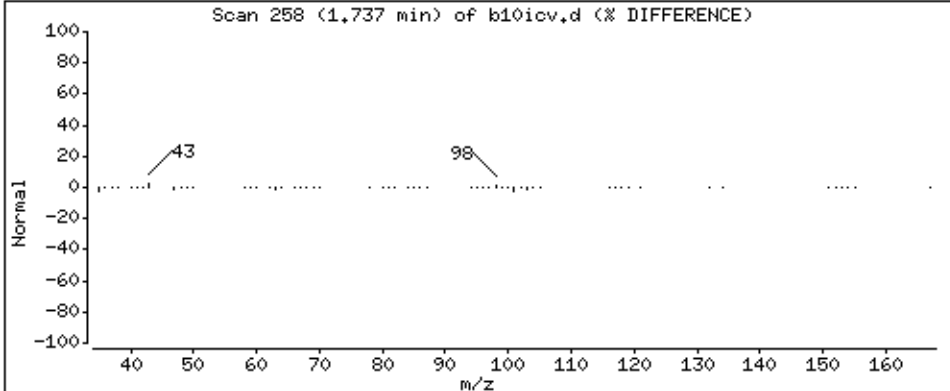
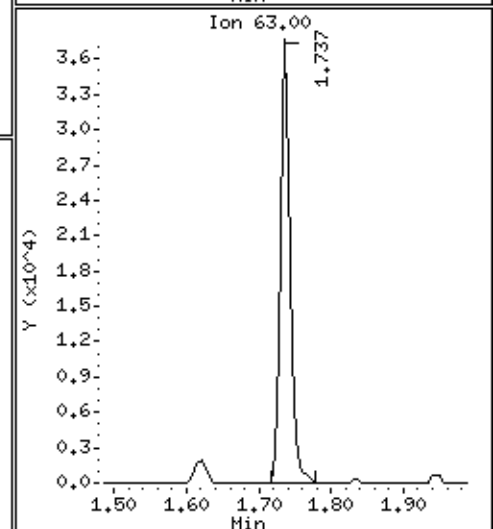
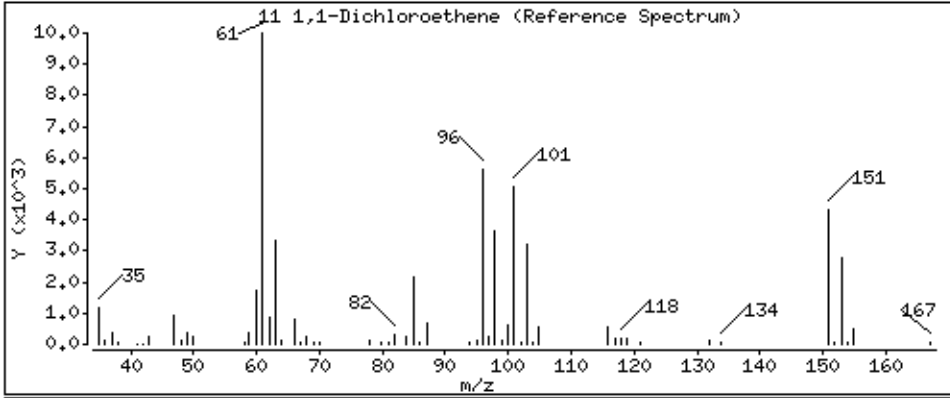
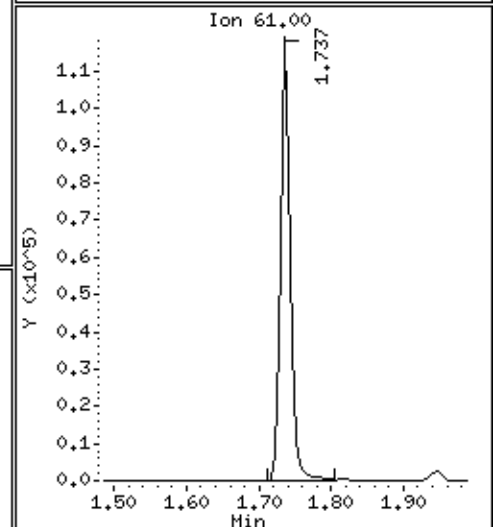
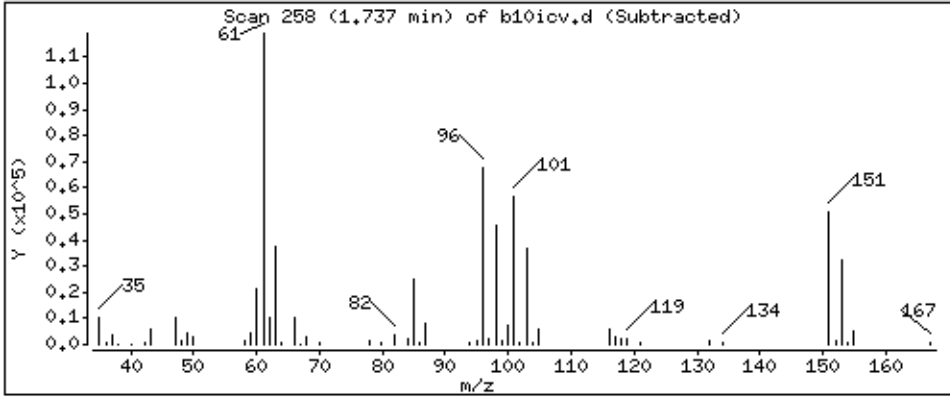
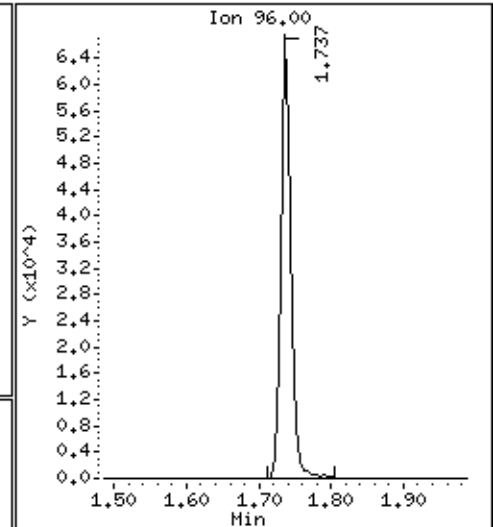
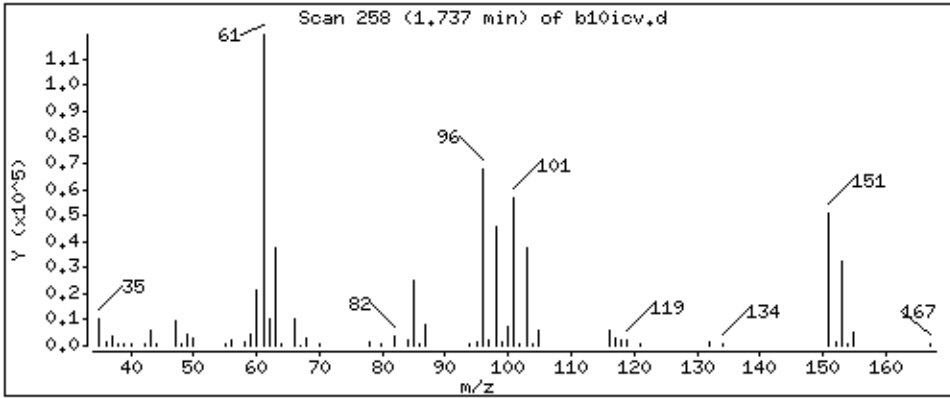
Operator: grm

Column phase: DB-624

Column diameter: 0,18

11 1,1-Dichloroethene

Concentration: 47.7 ppb



Date : 19-JUN-2014 19:08

Client ID: 8260-ICV,71105;0

Instrument: 50mv1b.i

Sample Info: 8260-ICV,71105;0

Purge Volume: 5.0

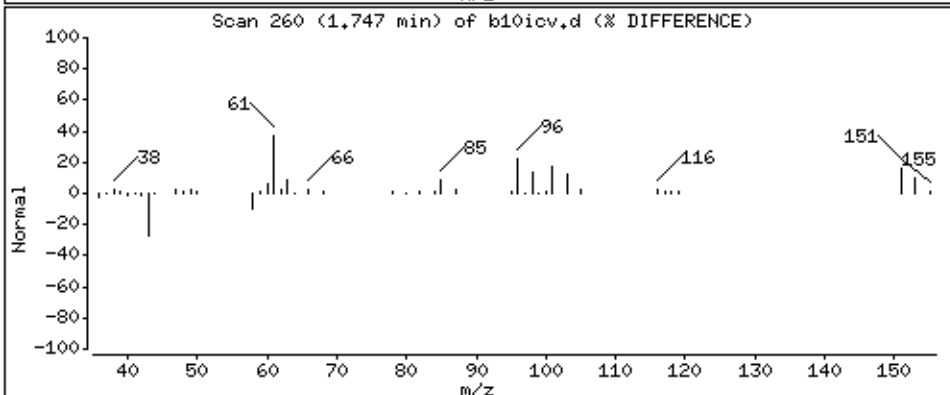
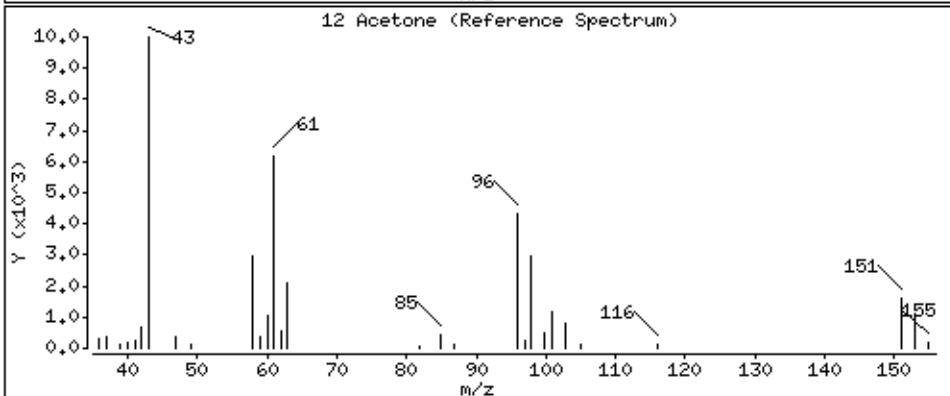
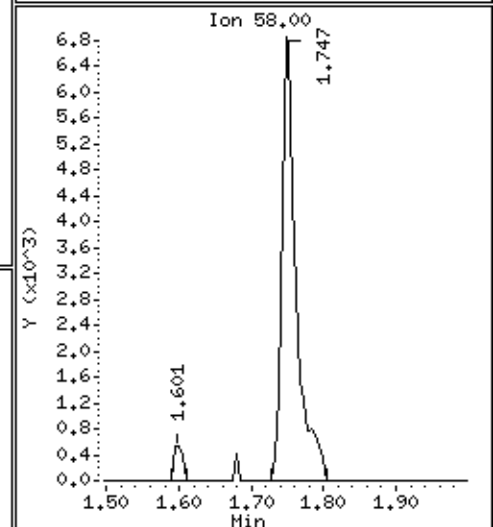
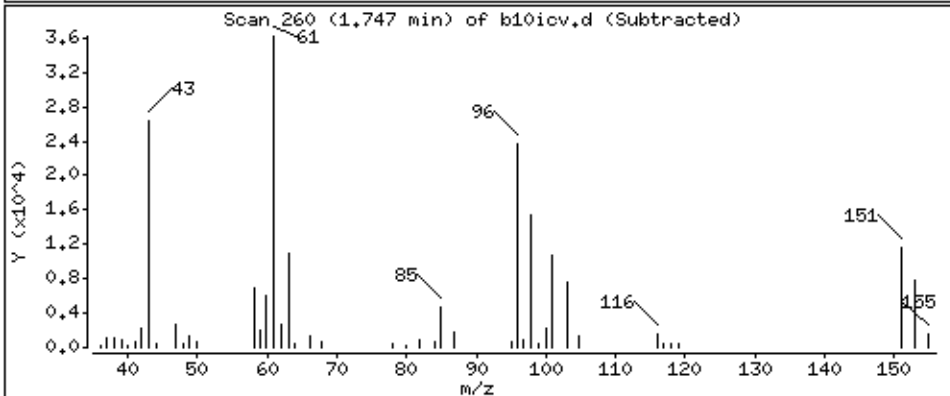
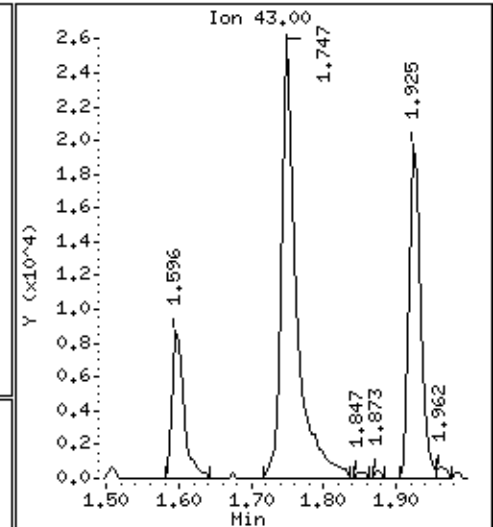
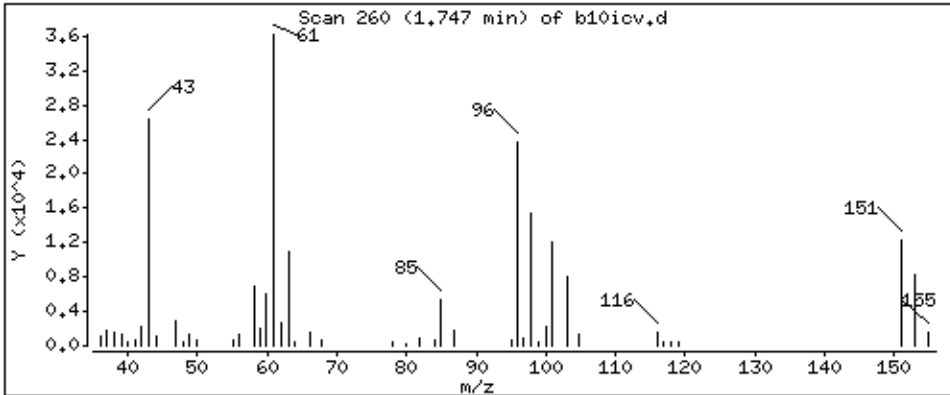
Operator: grm

Column phase: DB-624

Column diameter: 0,18

12 Acetone

Concentration: 240 ppb



Date : 19-JUN-2014 19:08

Client ID: 8260-ICV,71105;0

Instrument: 50mv1b.i

Sample Info: 8260-ICV,71105;0

Purge Volume: 5.0

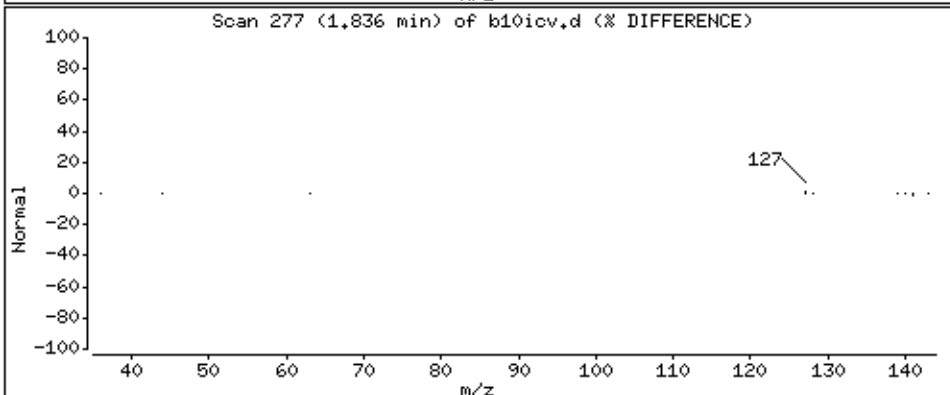
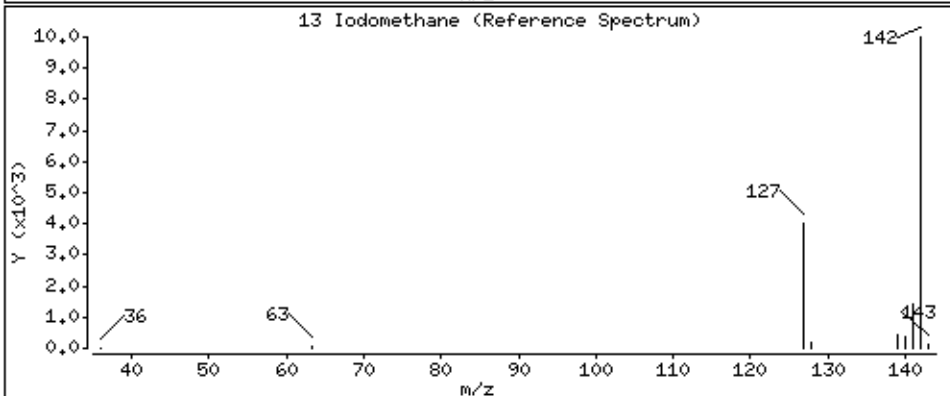
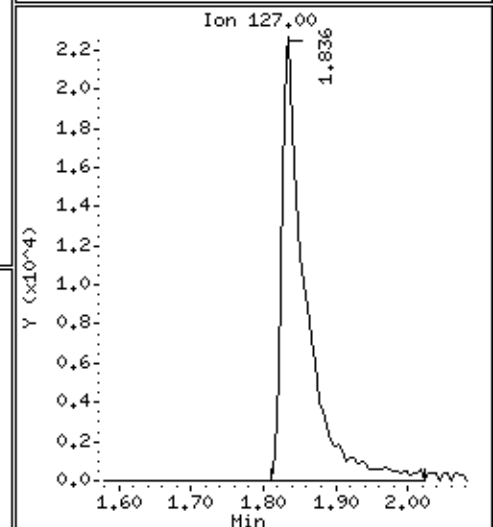
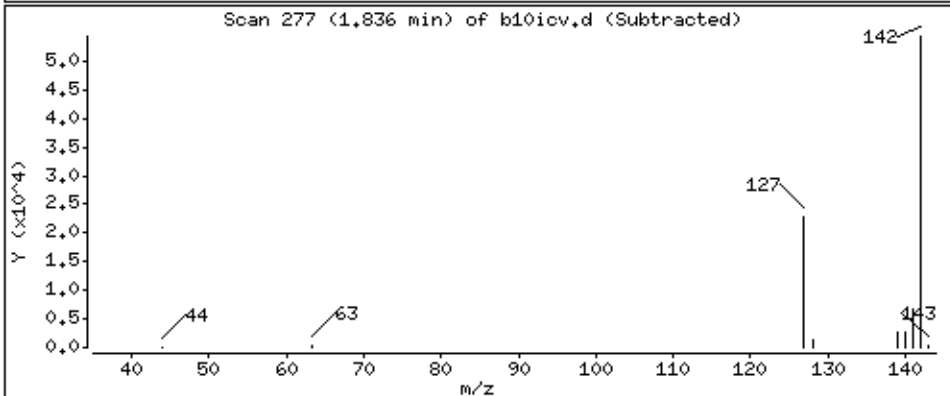
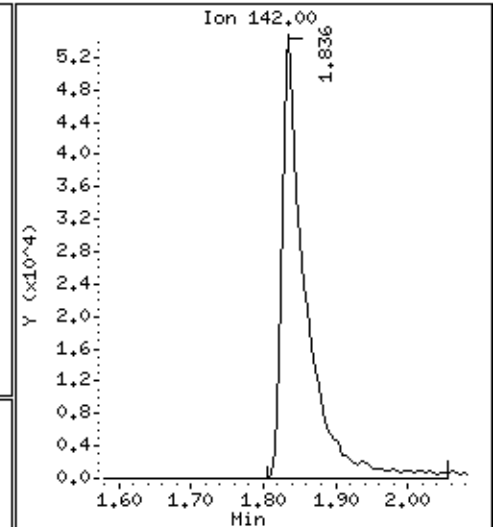
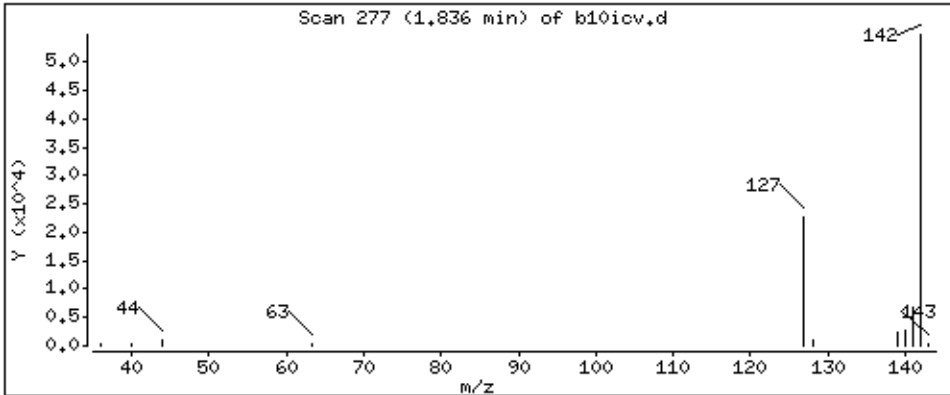
Operator: grm

Column phase: DB-624

Column diameter: 0,18

13 Iodomethane

Concentration: 95,0 ppb



Date : 19-JUN-2014 19:08

Client ID: 8260-ICV,71105;0

Instrument: 50mv1b.i

Sample Info: 8260-ICV,71105;0

Purge Volume: 5.0

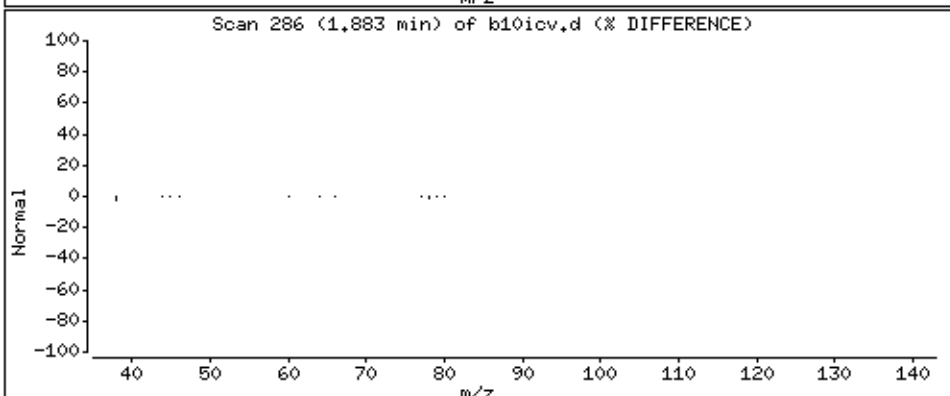
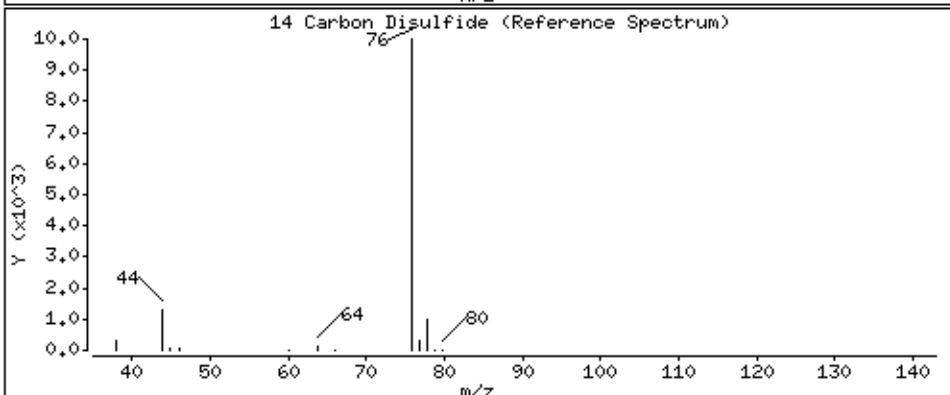
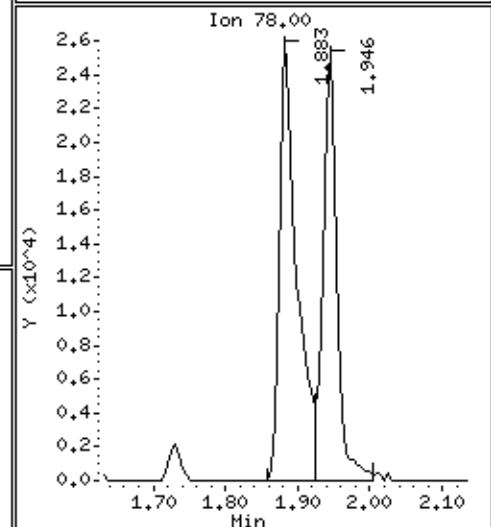
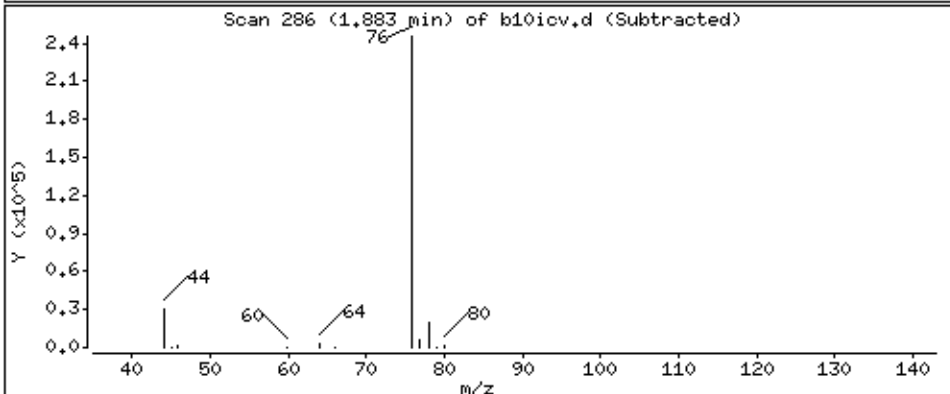
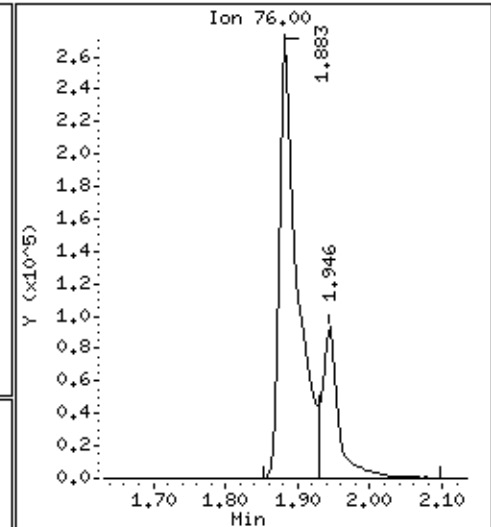
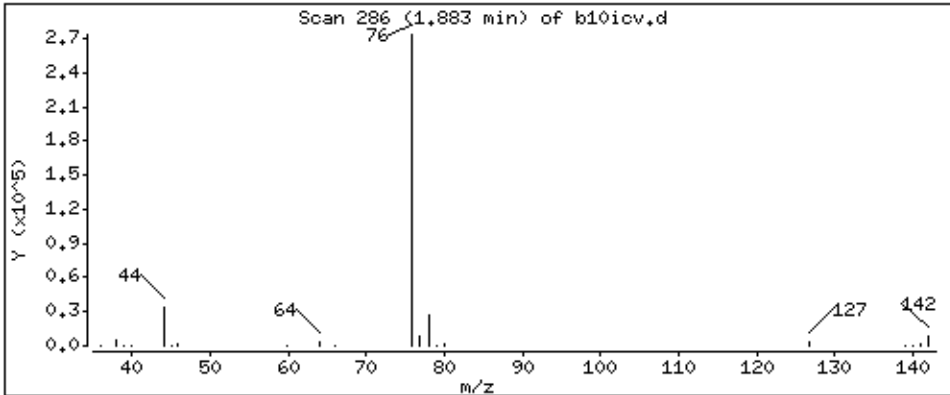
Operator: grm

Column phase: DB-624

Column diameter: 0,18

14 Carbon Disulfide

Concentration: 103 ppb



Date : 19-JUN-2014 19:08

Client ID: 8260-ICV,71105;0

Instrument: 50mv1b.i

Sample Info: 8260-ICV,71105;0

Purge Volume: 5.0

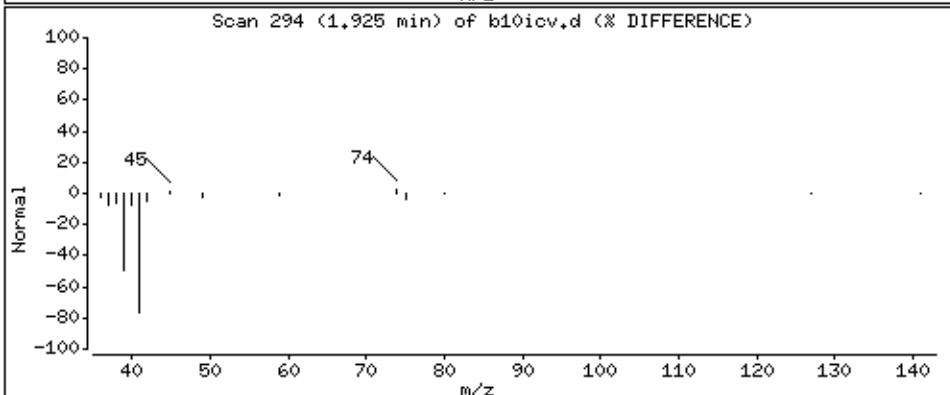
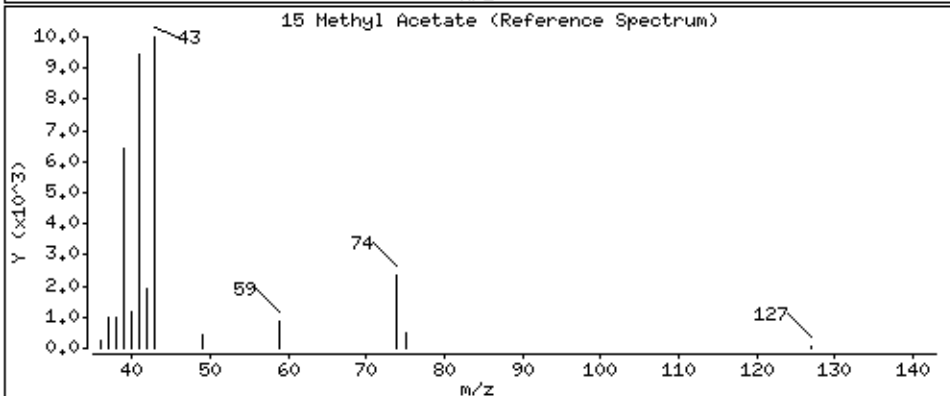
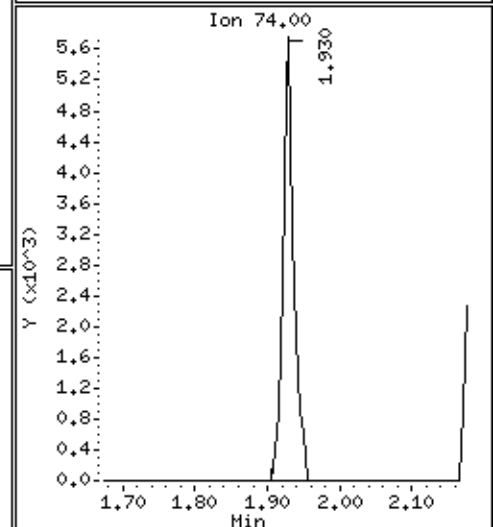
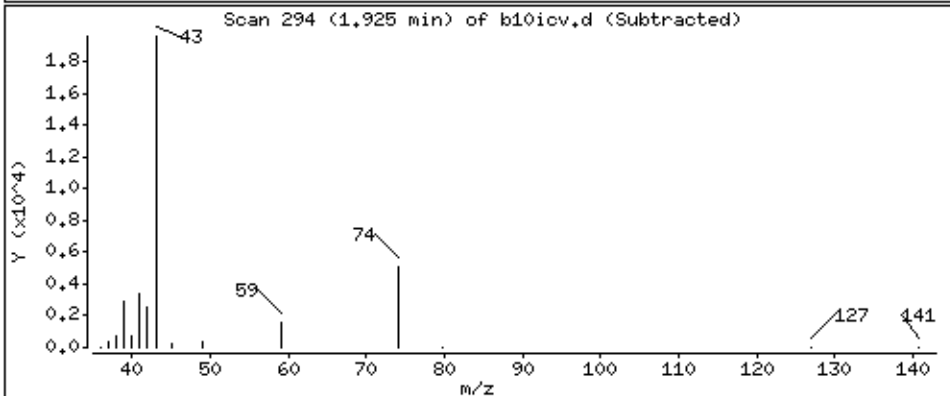
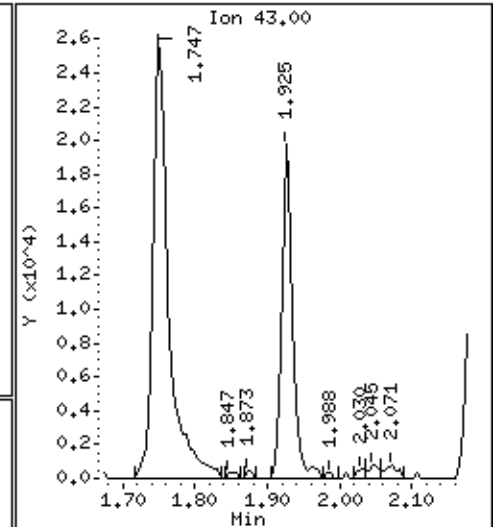
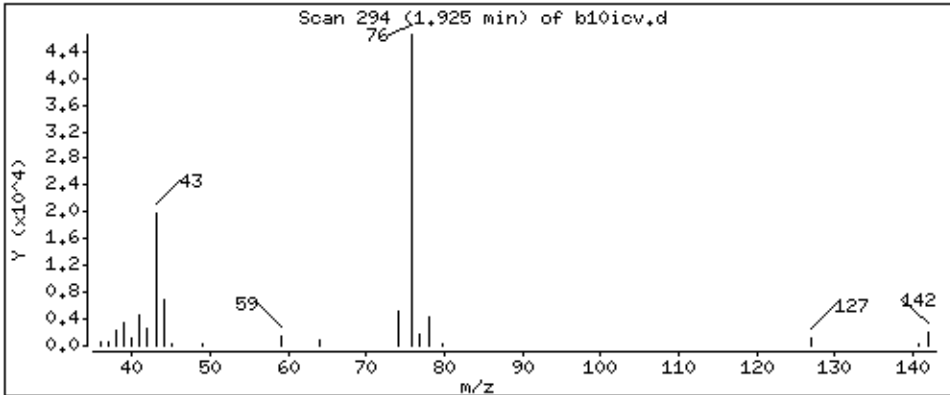
Operator: grm

Column phase: DB-624

Column diameter: 0,18

15 Methyl Acetate

Concentration: 58,9 ppb



Date : 19-JUN-2014 19:08

Client ID: 8260-ICV,71105;0

Instrument: 50mv1b.i

Sample Info: 8260-ICV,71105;0

Purge Volume: 5.0

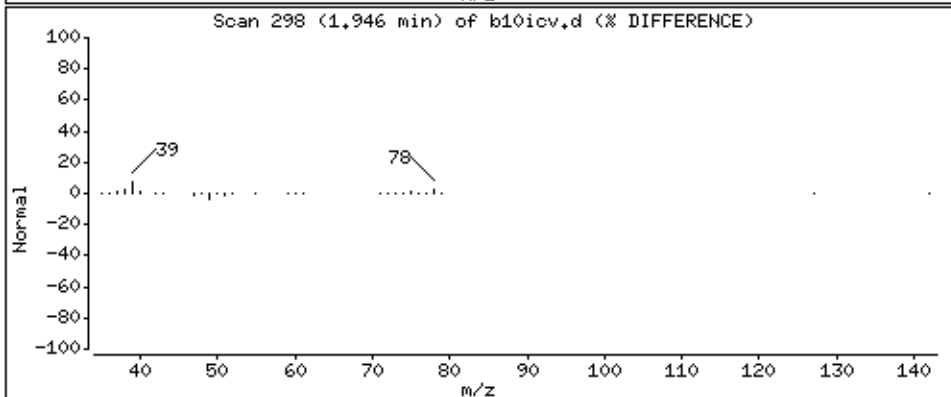
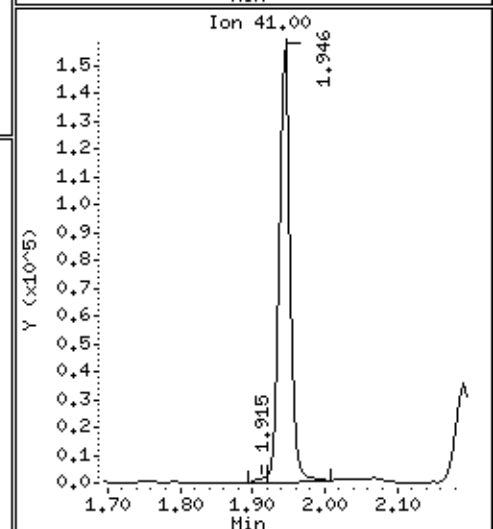
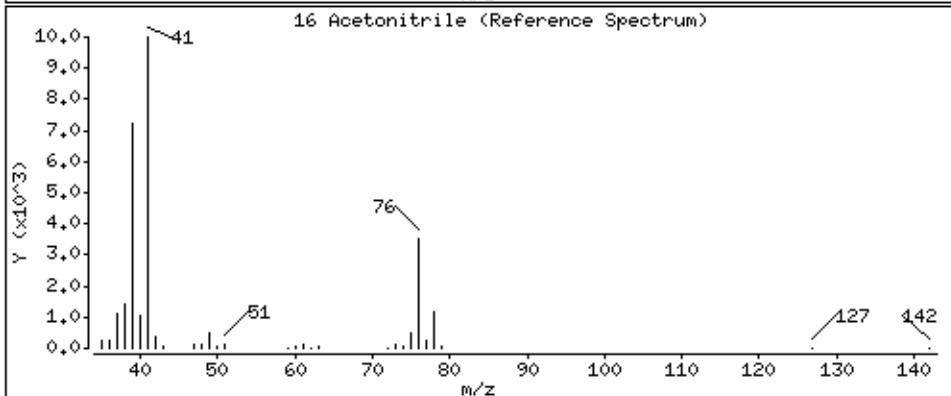
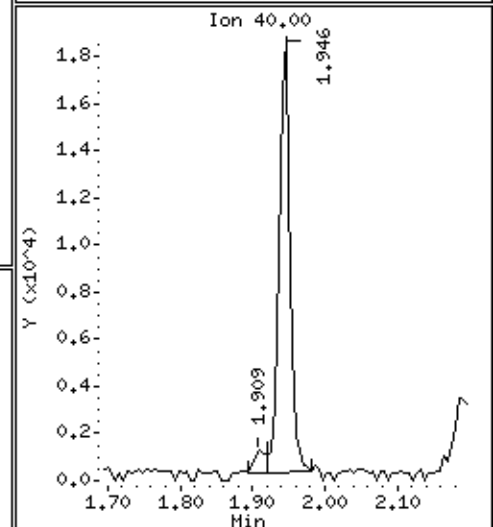
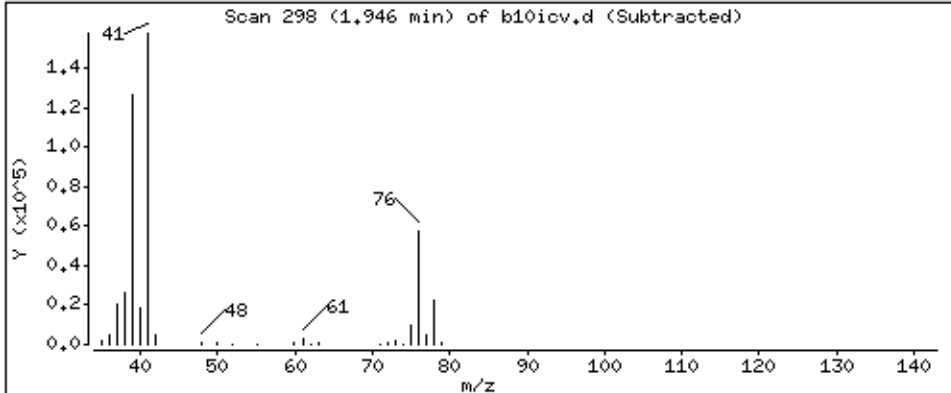
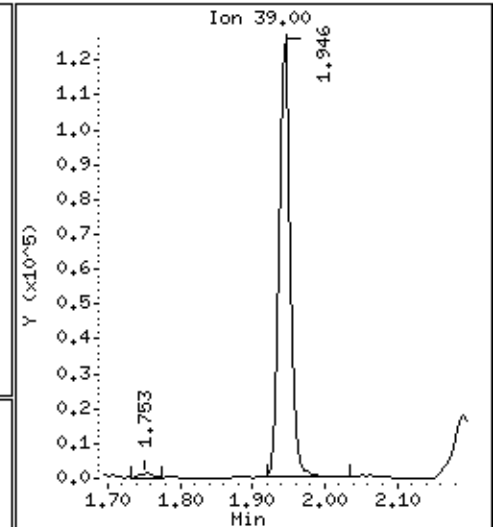
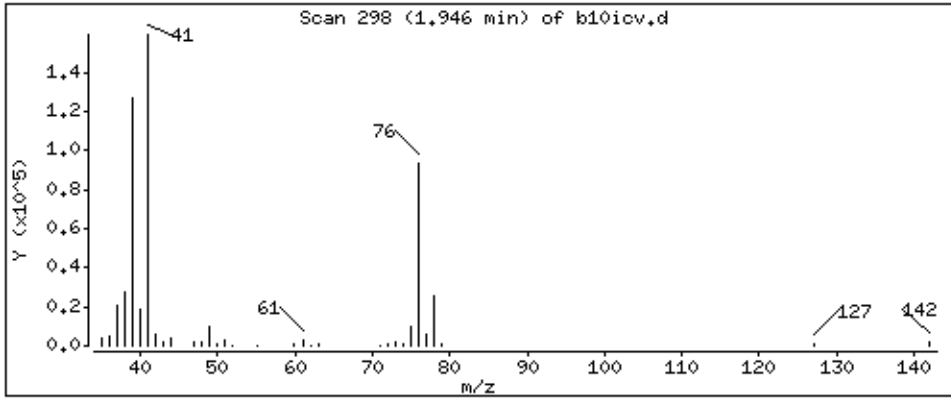
Operator: grm

Column phase: DB-624

Column diameter: 0,18

16 Acetonitrile

Concentration: 885 ppb



Date : 19-JUN-2014 19:08

Client ID: 8260-ICV,71105;0

Instrument: 50mv1b.i

Sample Info: 8260-ICV,71105;0

Purge Volume: 5.0

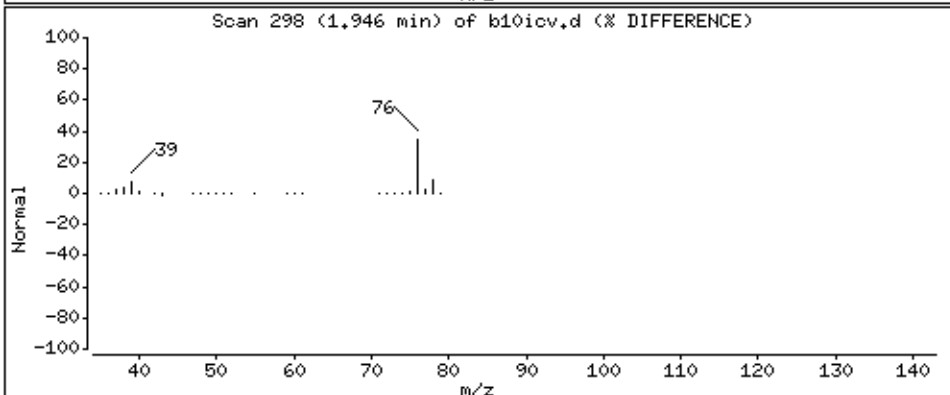
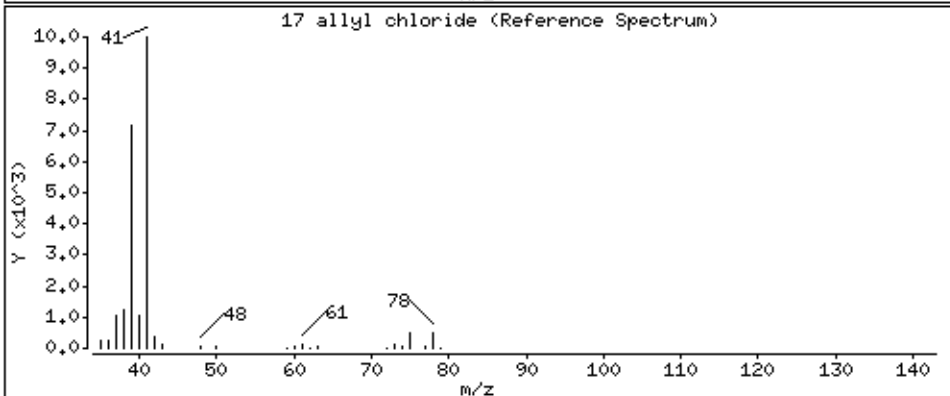
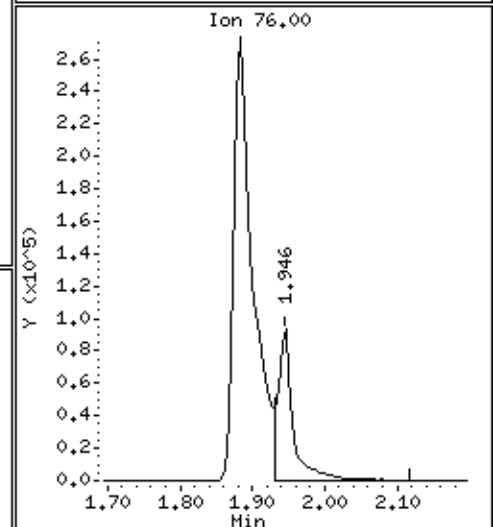
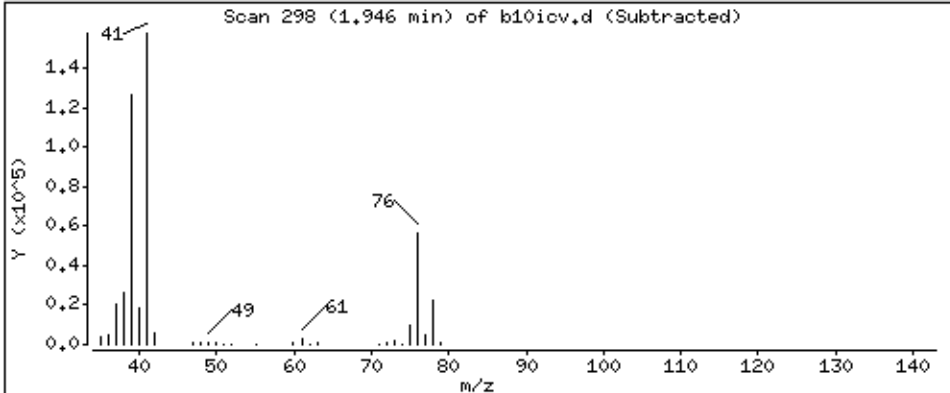
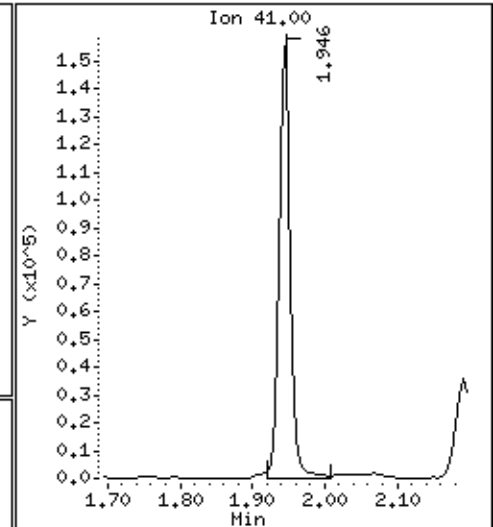
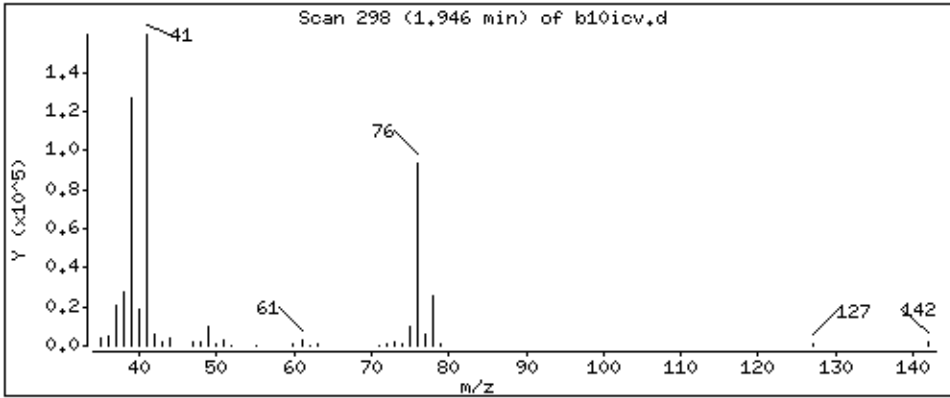
Operator: grm

Column phase: DB-624

Column diameter: 0,18

17 allyl chloride

Concentration: 93,6 ppb



Date : 19-JUN-2014 19:08

Client ID: 8260-ICV,71105;0

Instrument: 50mv1b.i

Sample Info: 8260-ICV,71105;0

Purge Volume: 5.0

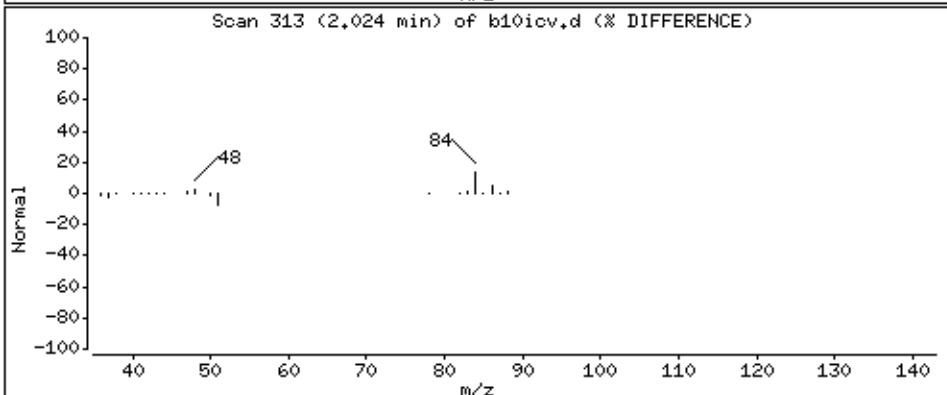
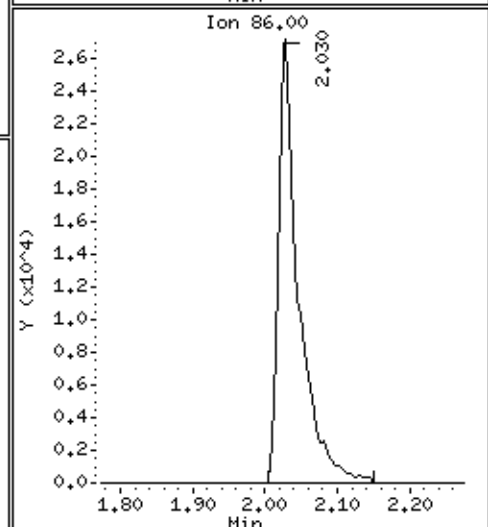
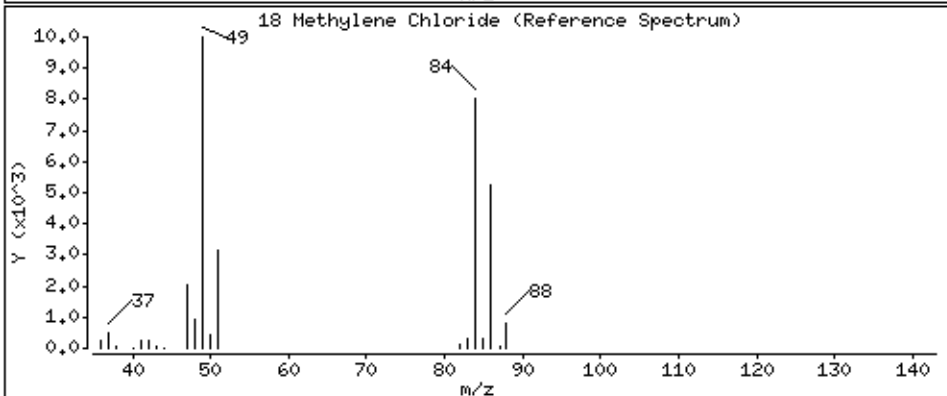
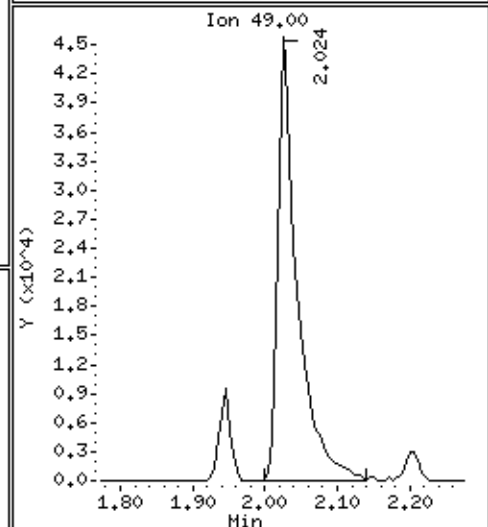
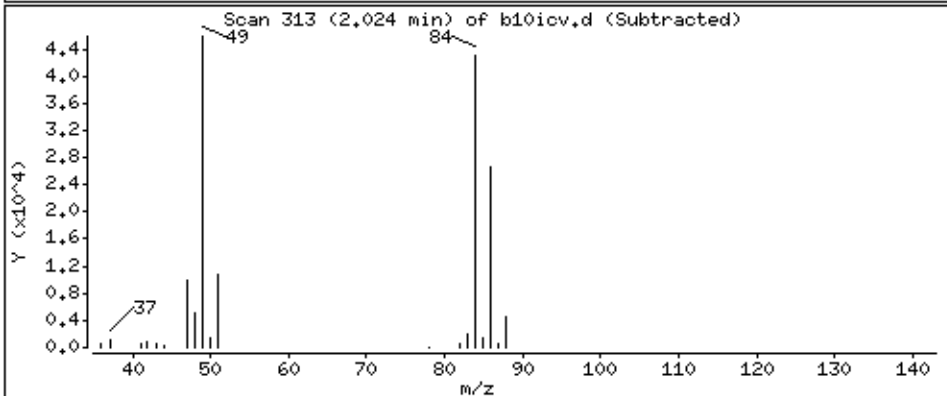
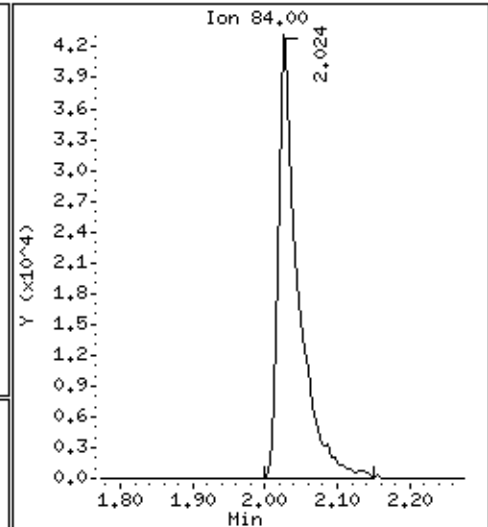
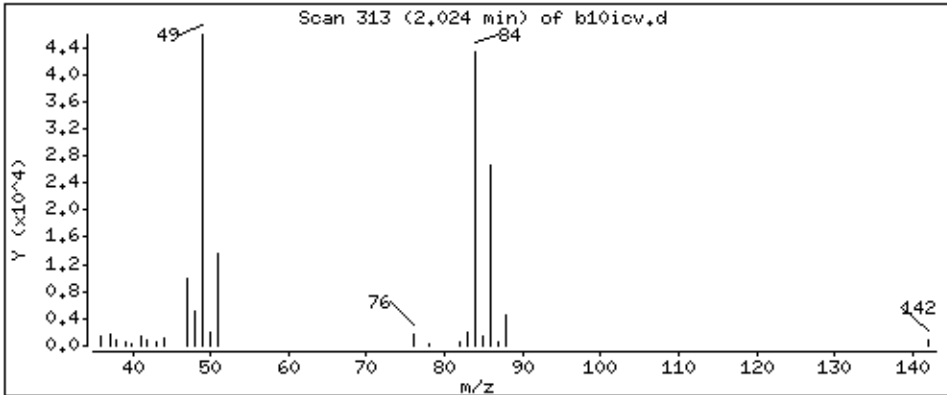
Operator: grm

Column phase: DB-624

Column diameter: 0,18

18 Methylene Chloride

Concentration: 46,5 ppb



Date : 19-JUN-2014 19:08

Client ID: 8260-ICV,71105;0

Instrument: 50mv1b.i

Sample Info: 8260-ICV,71105;0

Purge Volume: 5.0

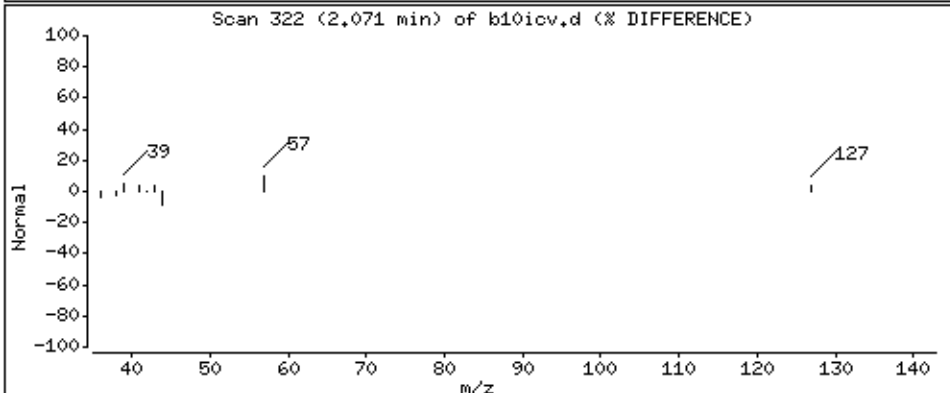
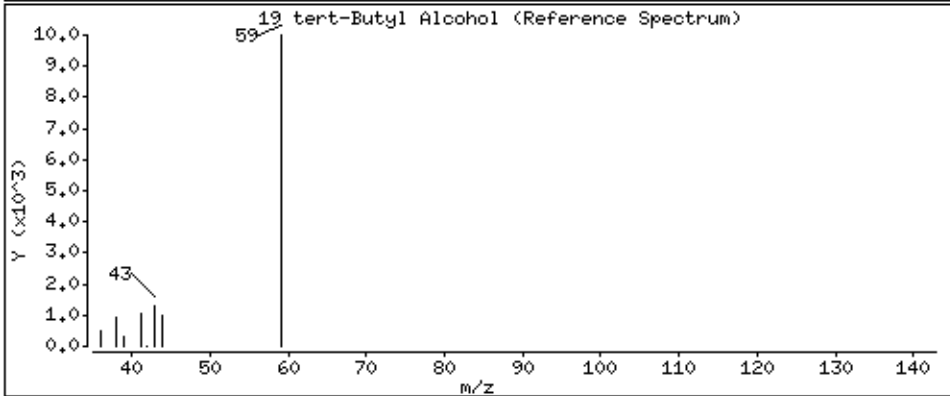
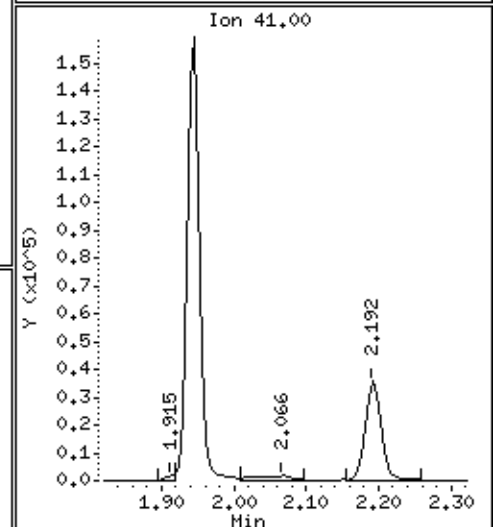
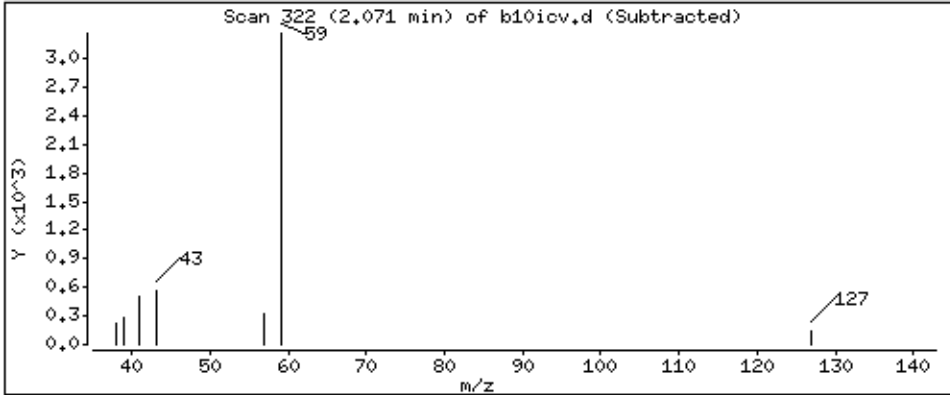
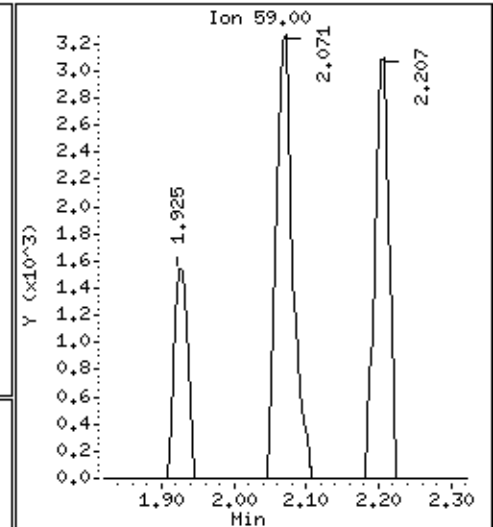
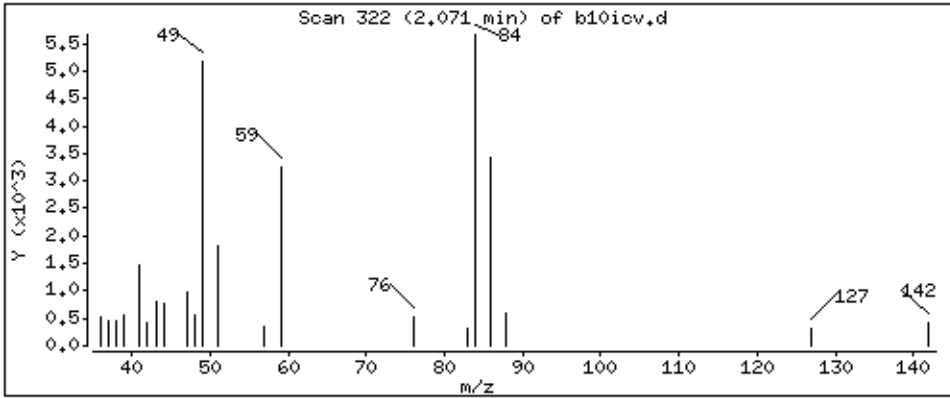
Operator: grm

Column phase: DB-624

Column diameter: 0,18

19 tert-Butyl Alcohol

Concentration: 110 ppb



Date : 19-JUN-2014 19:08

Client ID: 8260-ICV,71105:0

Instrument: 50mv1b.i

Sample Info: 8260-ICV,71105:0

Purge Volume: 5.0

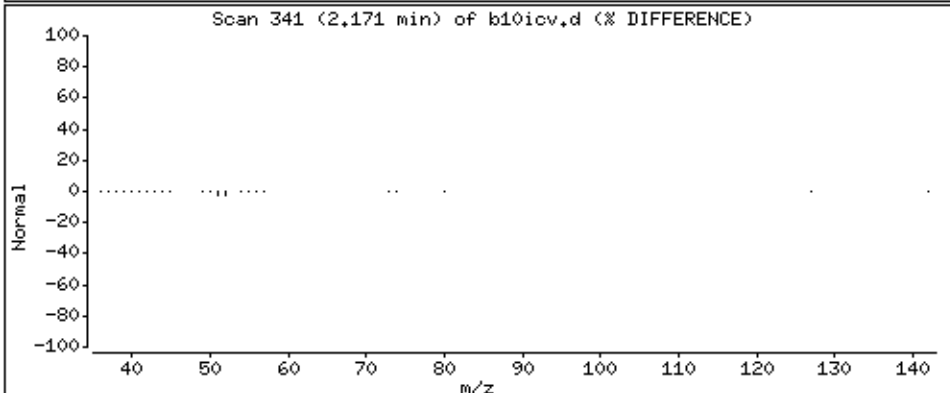
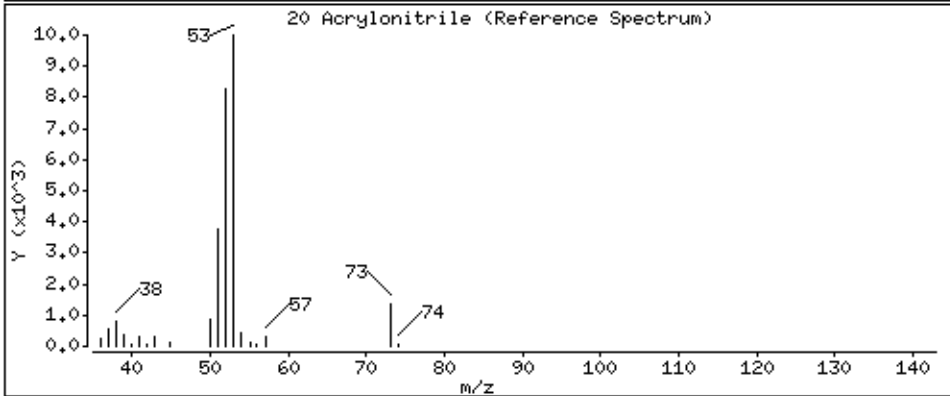
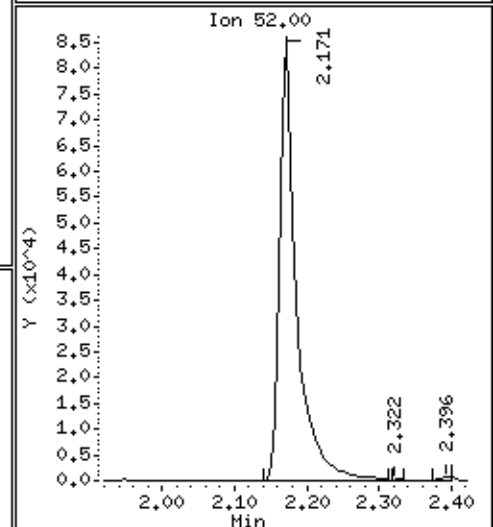
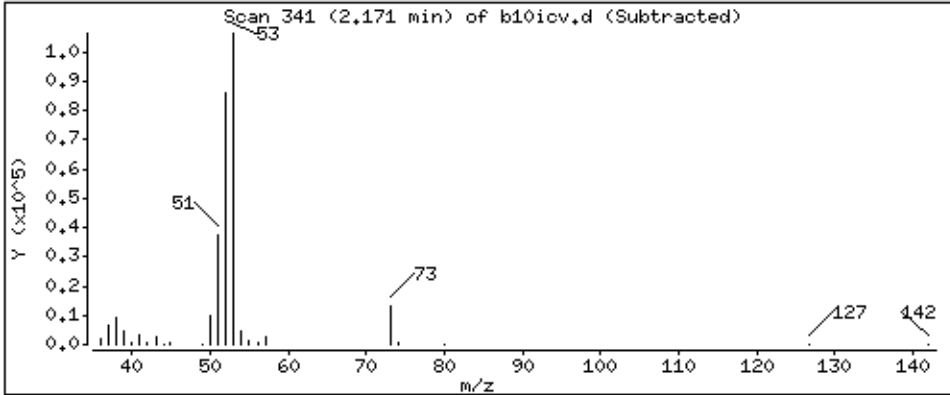
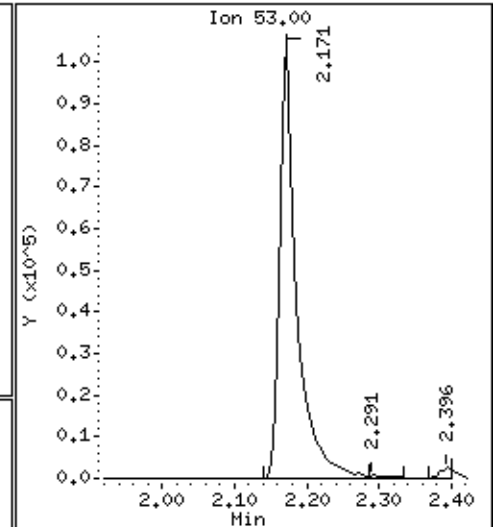
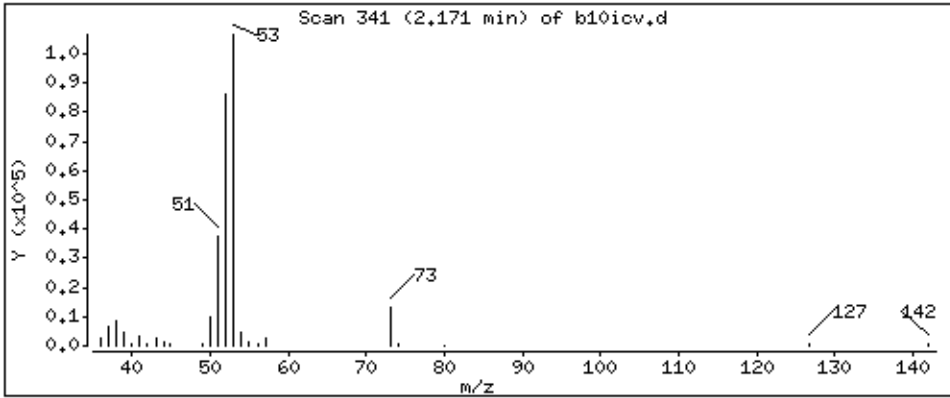
Operator: grm

Column phase: DB-624

Column diameter: 0,18

20 Acrylonitrile

Concentration: 950 ppb



Date : 19-JUN-2014 19:08

Client ID: 8260-ICV,71105;0

Instrument: 50mv1b.i

Sample Info: 8260-ICV,71105;0

Purge Volume: 5.0

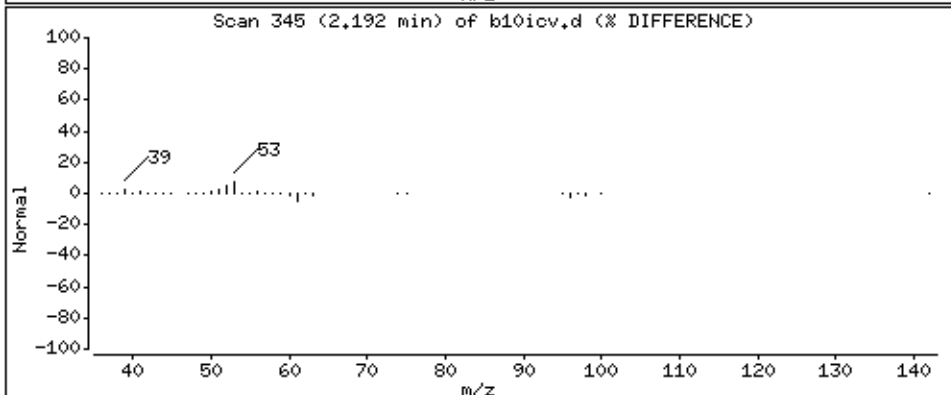
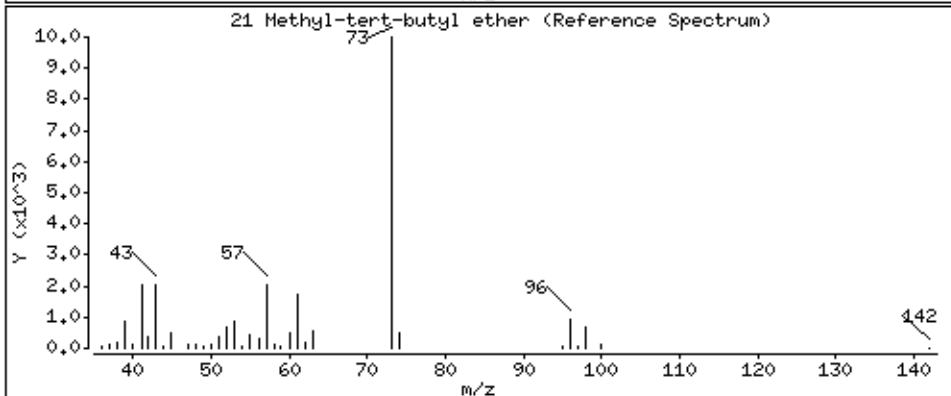
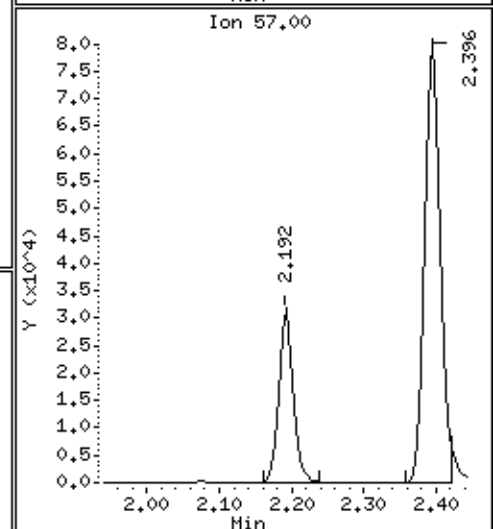
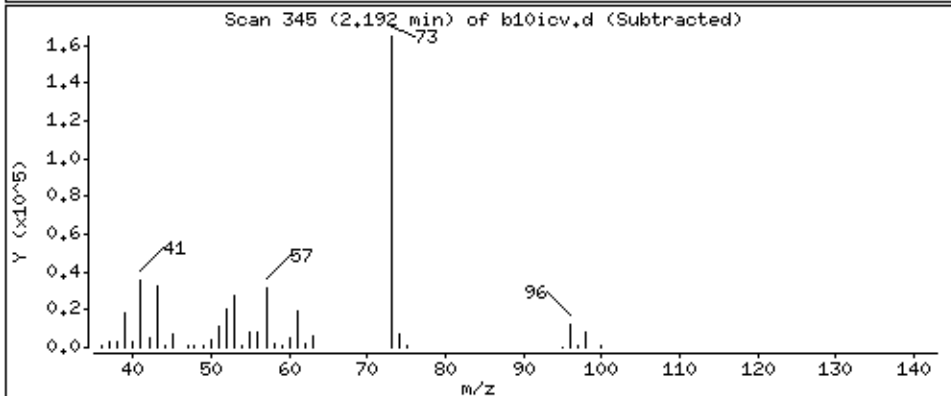
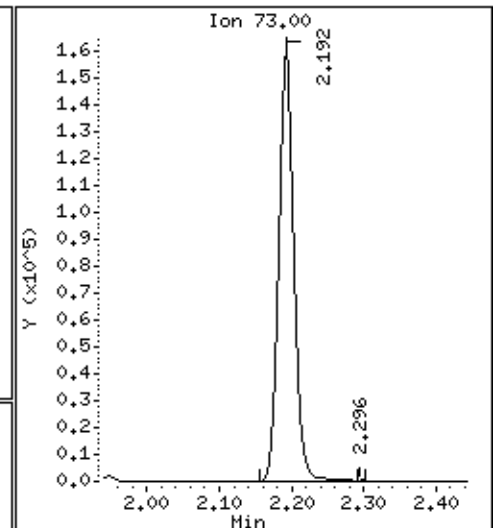
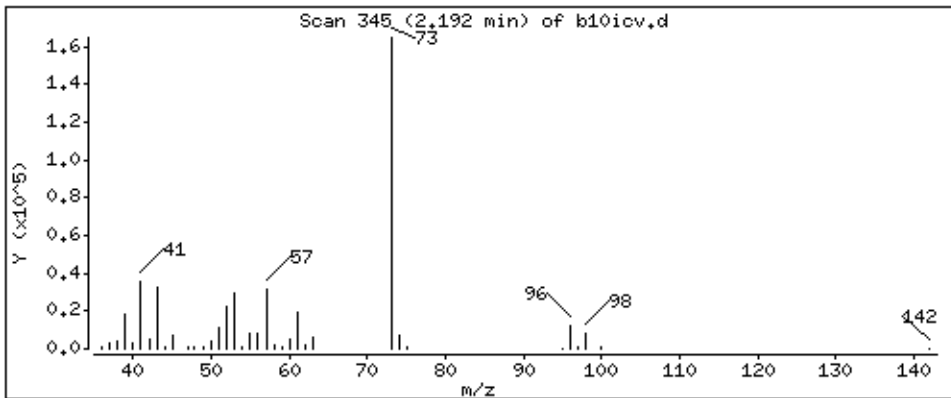
Operator: grm

Column phase: DB-624

Column diameter: 0,18

21 Methyl-tert-butyl ether

Concentration: 93,4 ppb



Date : 19-JUN-2014 19:08

Client ID: 8260-ICV,71105;0

Instrument: 50mv1b.i

Sample Info: 8260-ICV,71105;0

Purge Volume: 5.0

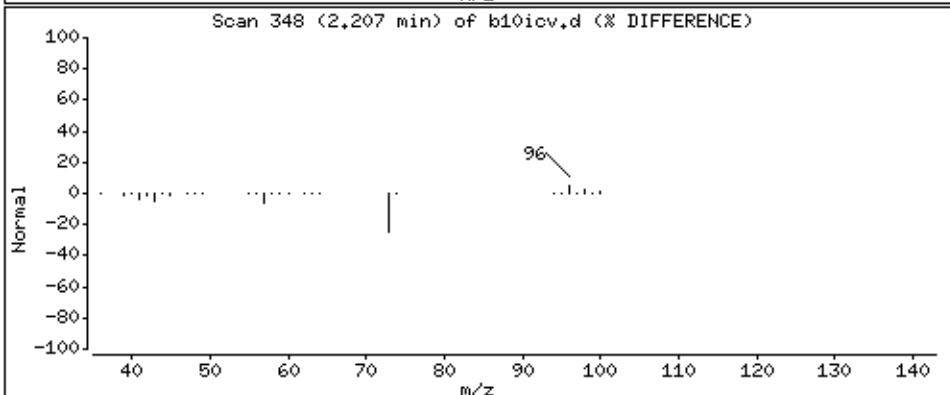
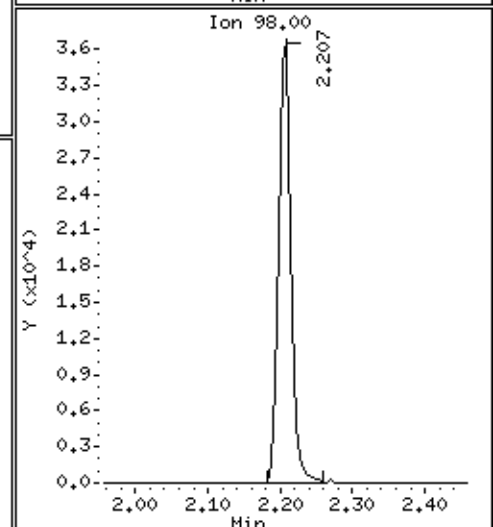
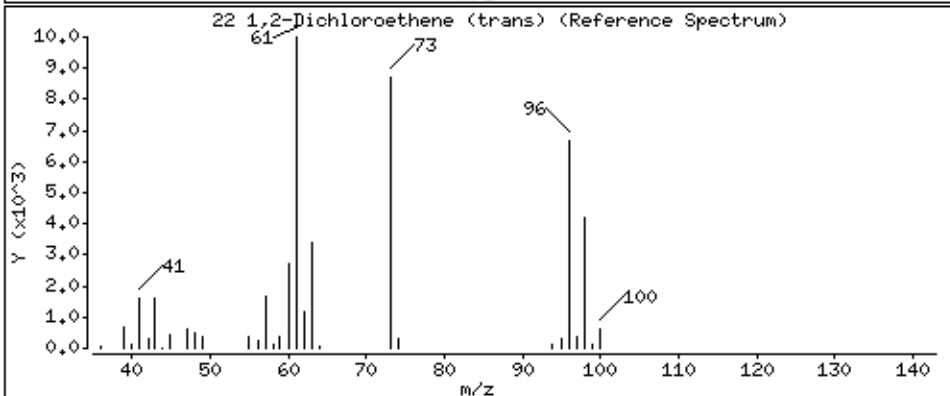
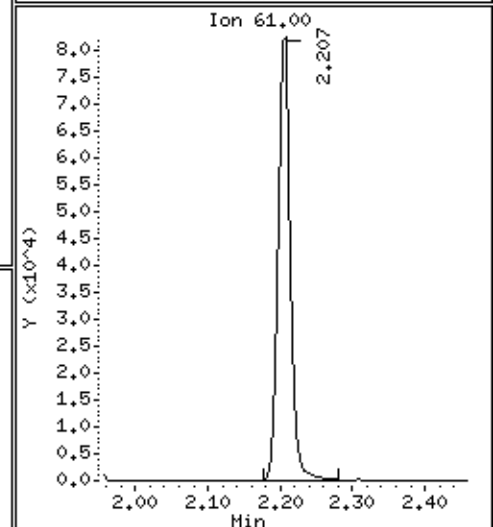
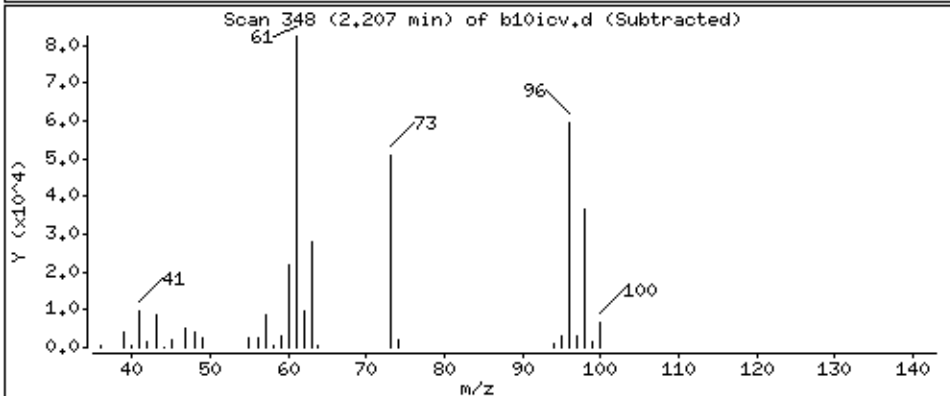
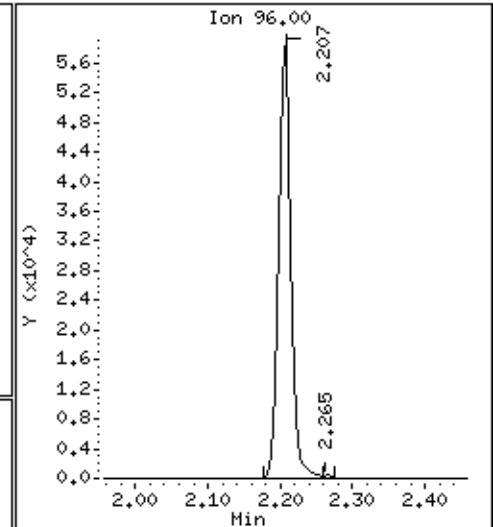
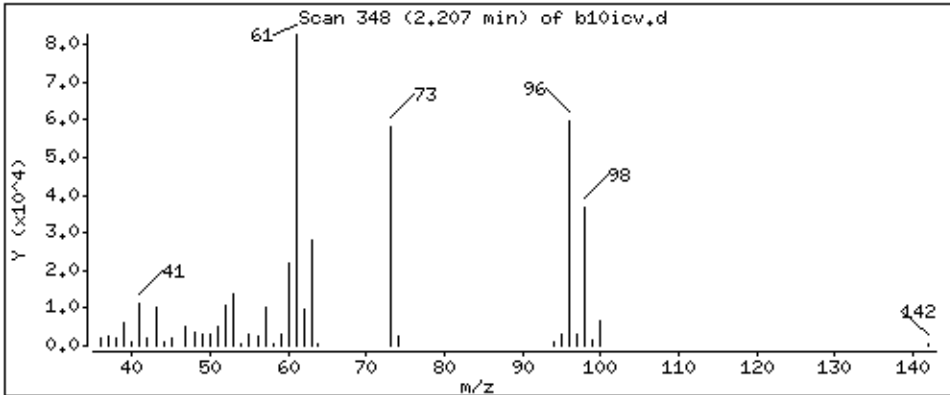
Operator: grm

Column phase: DB-624

Column diameter: 0,18

22 1,2-Dichloroethene (trans)

Concentration: 47.7 ppb



Date : 19-JUN-2014 19:08

Client ID: 8260-ICV,71105;0

Instrument: 50mv1b.i

Sample Info: 8260-ICV,71105;0

Purge Volume: 5.0

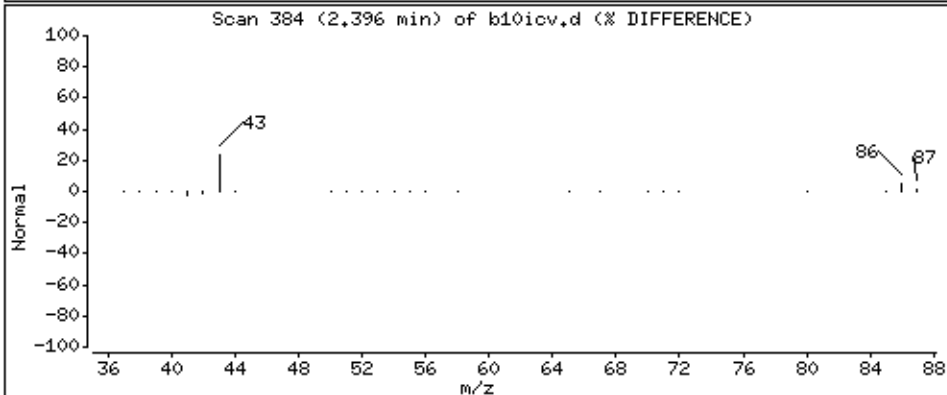
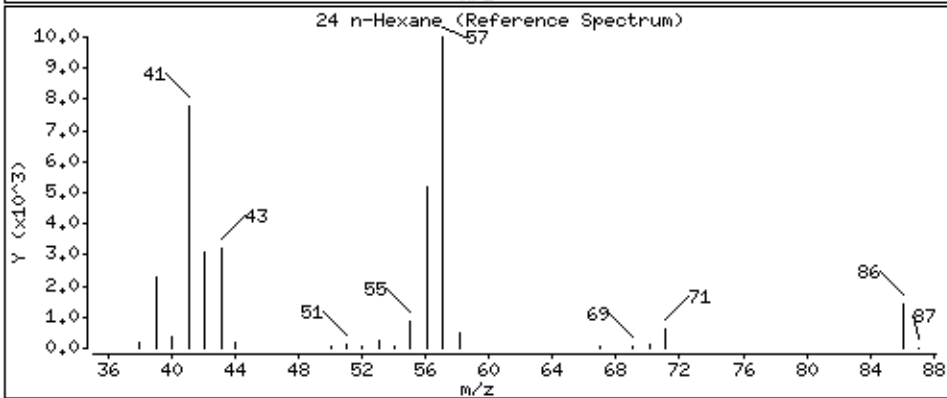
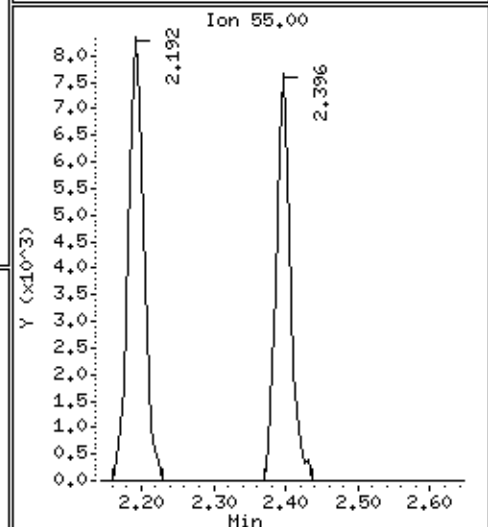
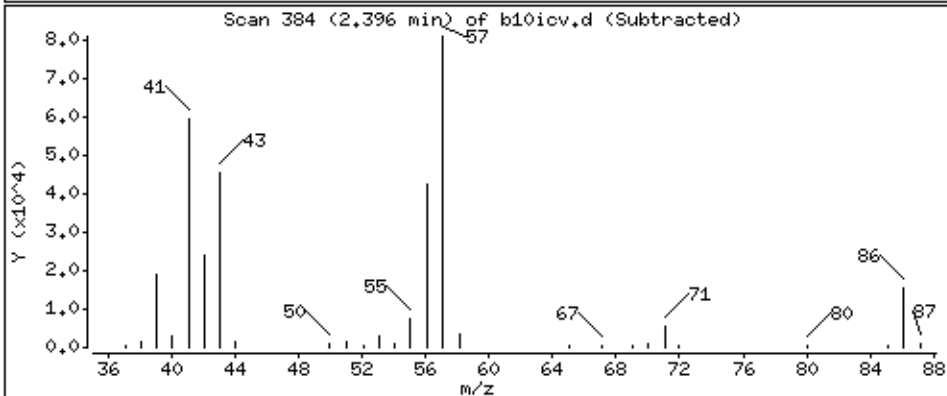
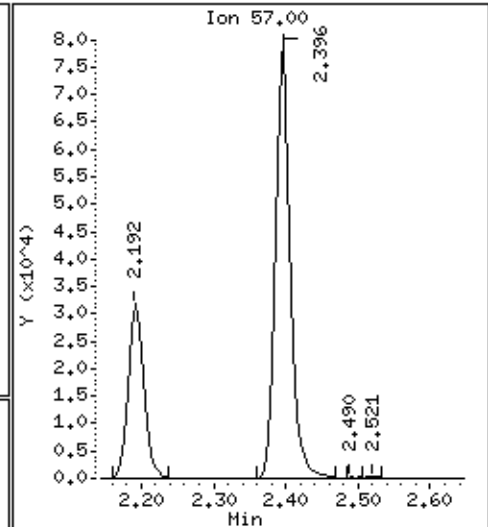
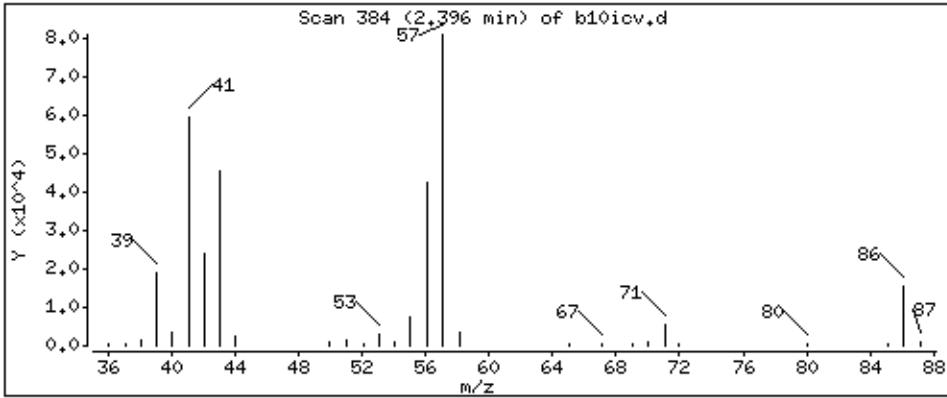
Operator: grm

Column phase: DB-624

Column diameter: 0,18

24 n-Hexane

Concentration: 47.0 ppb



Date : 19-JUN-2014 19:08

Client ID: 8260-ICV,71105;0

Instrument: 50mv1b.i

Sample Info: 8260-ICV,71105;0

Purge Volume: 5.0

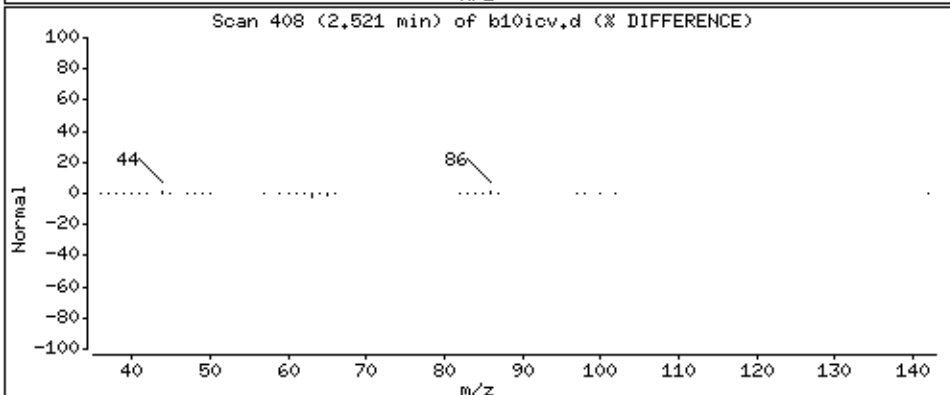
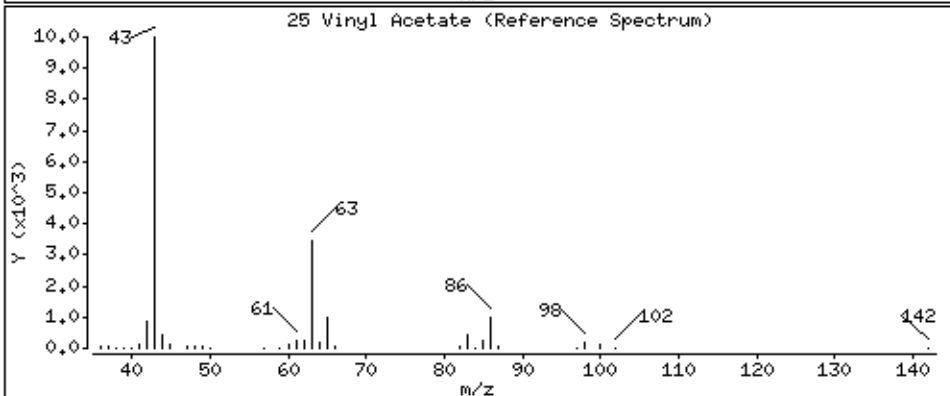
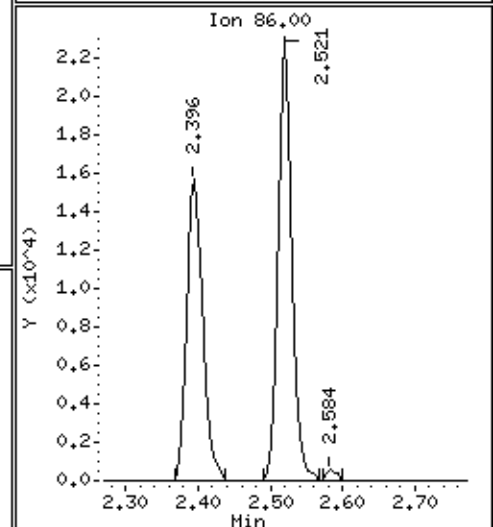
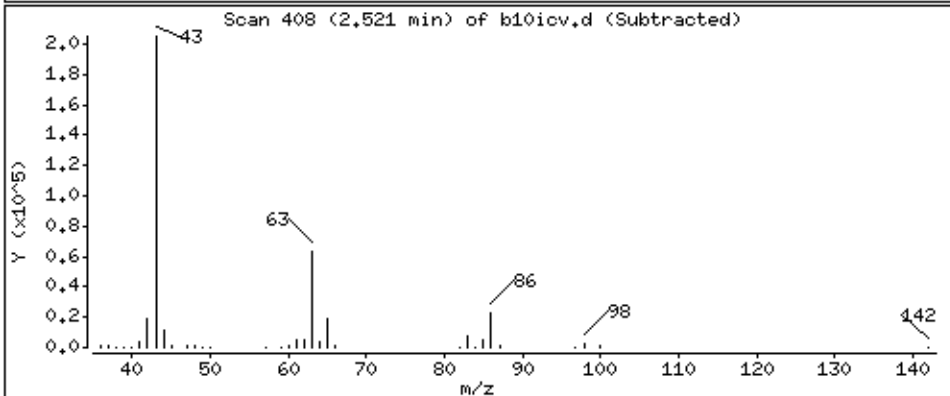
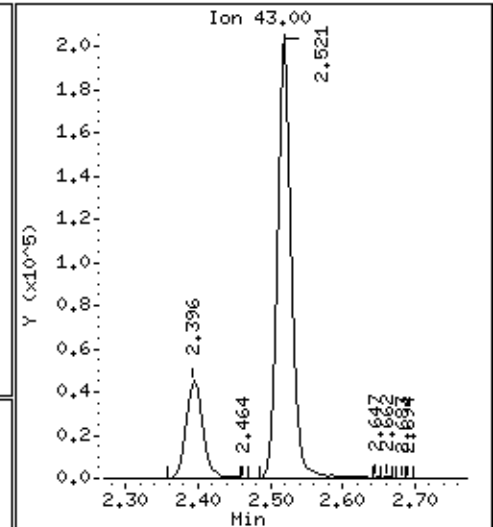
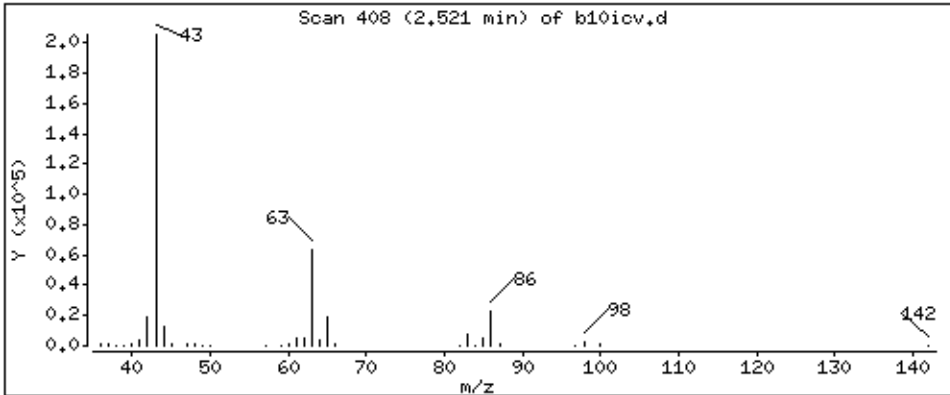
Operator: grm

Column phase: DB-624

Column diameter: 0,18

25 Vinyl Acetate

Concentration: 223 ppb



Date : 19-JUN-2014 19:08

Client ID: 8260-ICV,71105;0

Instrument: 50mv1b.i

Sample Info: 8260-ICV,71105;0

Purge Volume: 5.0

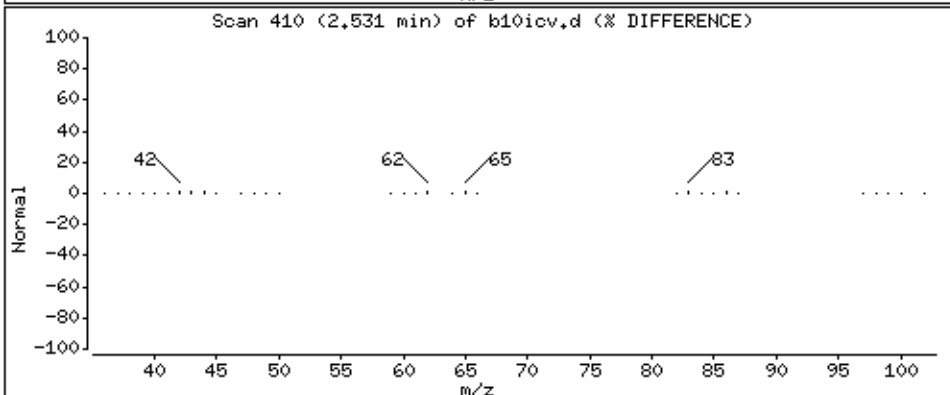
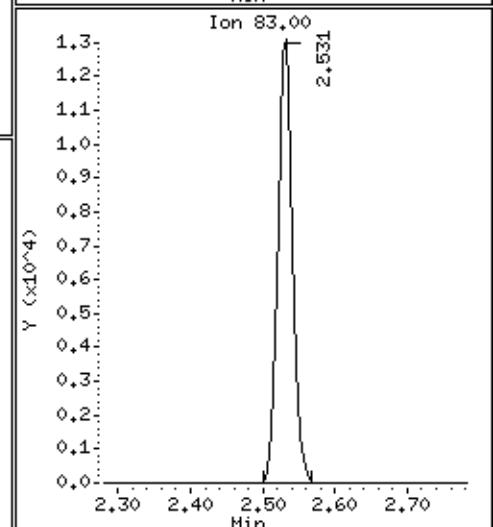
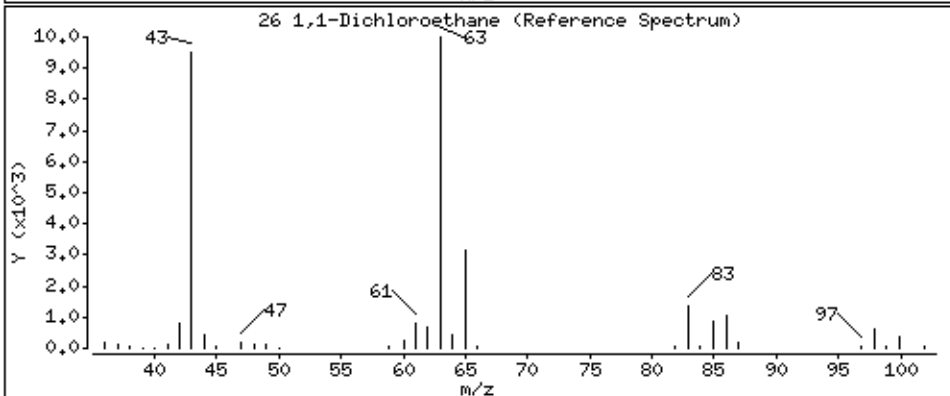
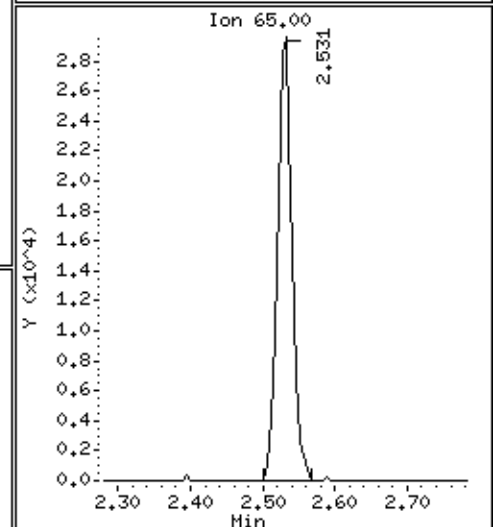
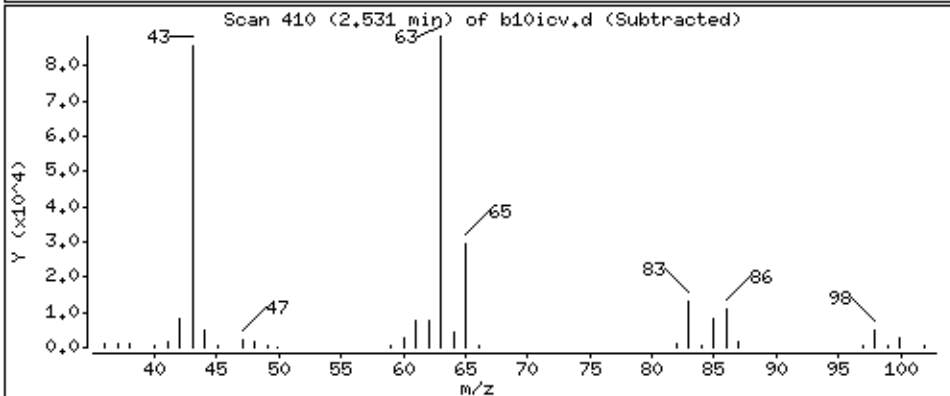
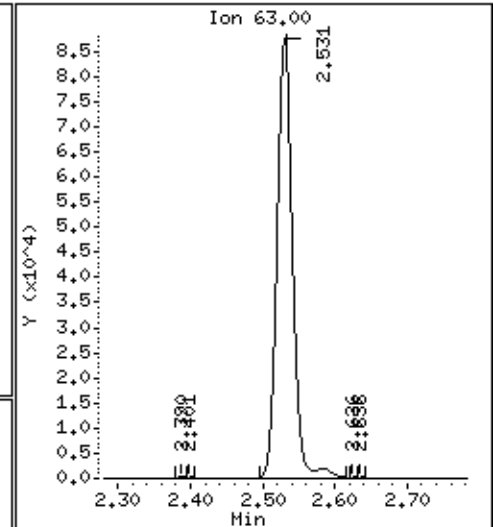
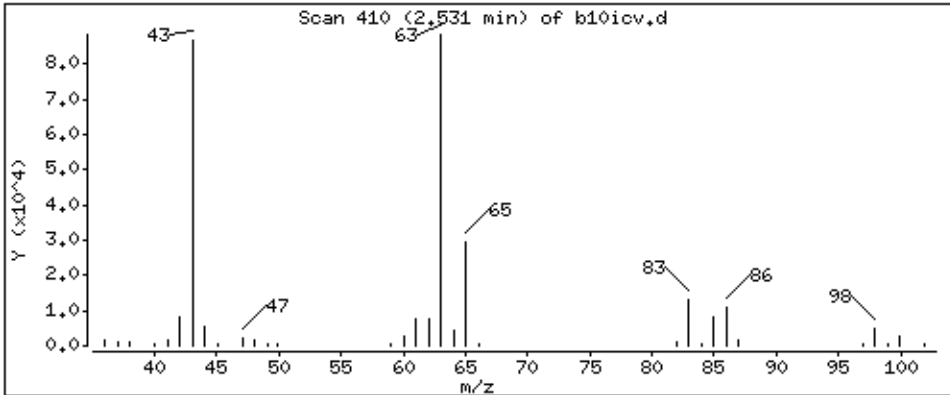
Operator: grm

Column phase: DB-624

Column diameter: 0,18

26 1,1-Dichloroethane

Concentration: 48,8 ppb



Date : 19-JUN-2014 19:08

Client ID: 8260-ICV,71105;0

Instrument: 50mv1b.i

Sample Info: 8260-ICV,71105;0

Purge Volume: 5.0

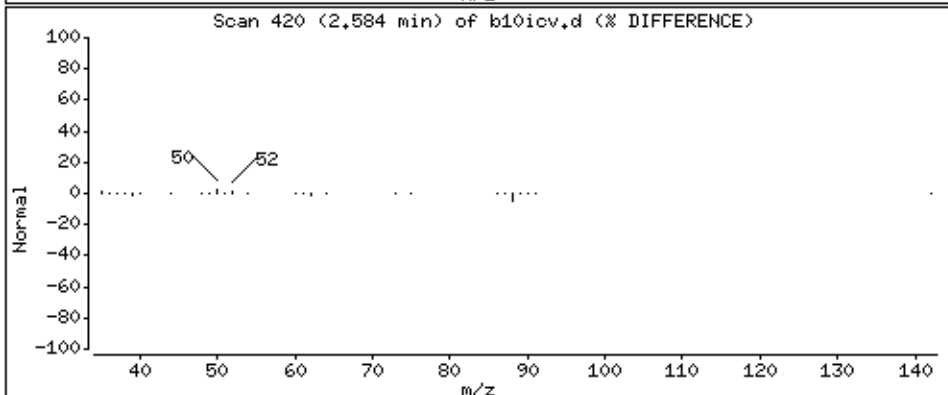
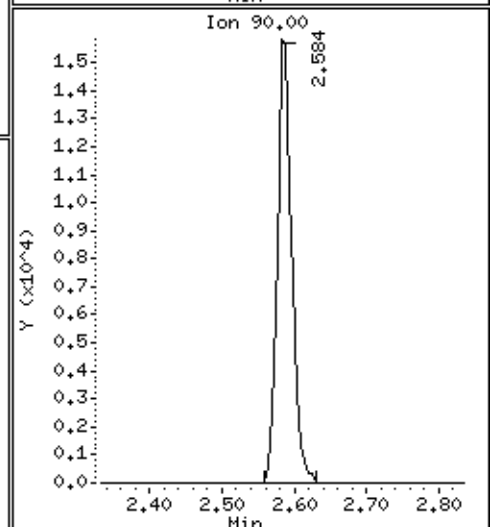
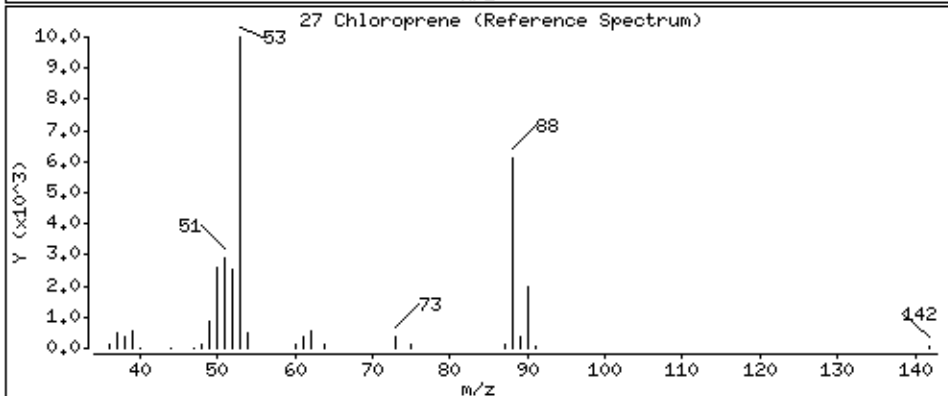
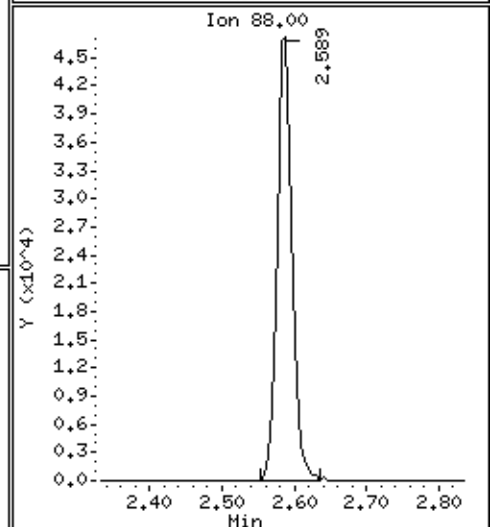
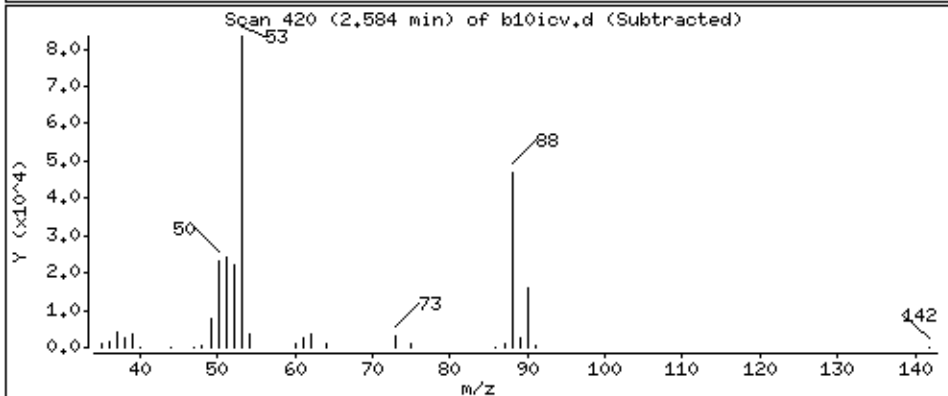
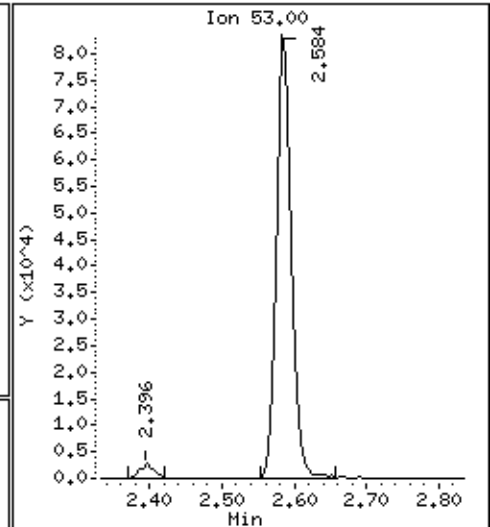
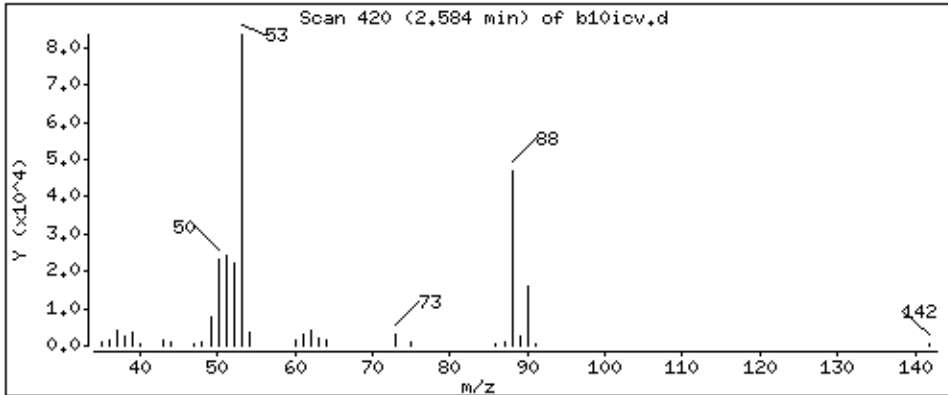
Operator: grm

Column phase: DB-624

Column diameter: 0,18

27 Chloroprene

Concentration: 49.8 ppb



Date : 19-JUN-2014 19:08

Client ID: 8260-ICV,71105:0

Instrument: 50mv1b.i

Sample Info: 8260-ICV,71105:0

Purge Volume: 5.0

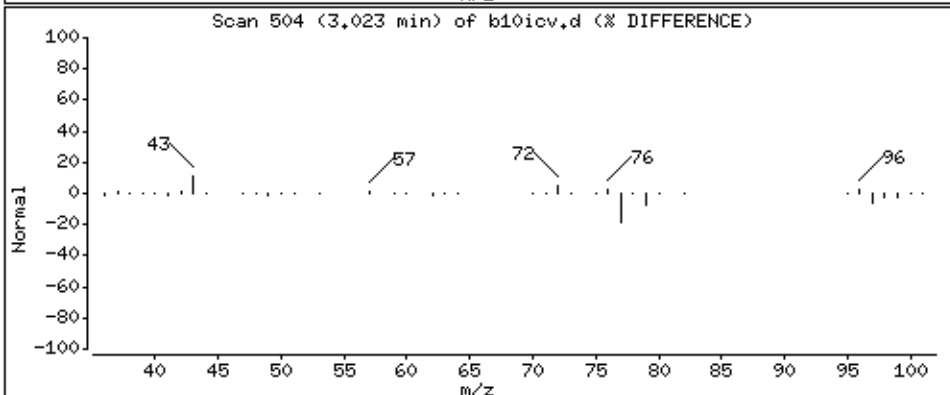
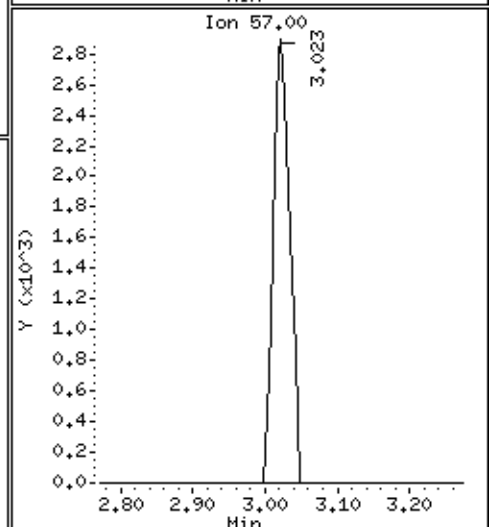
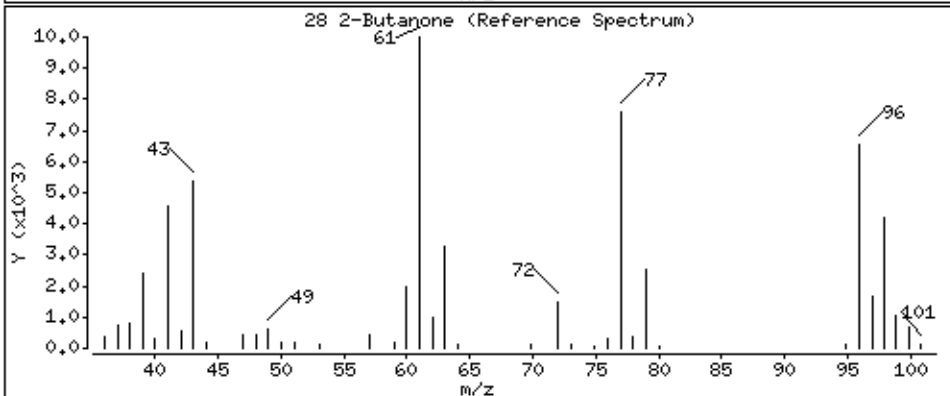
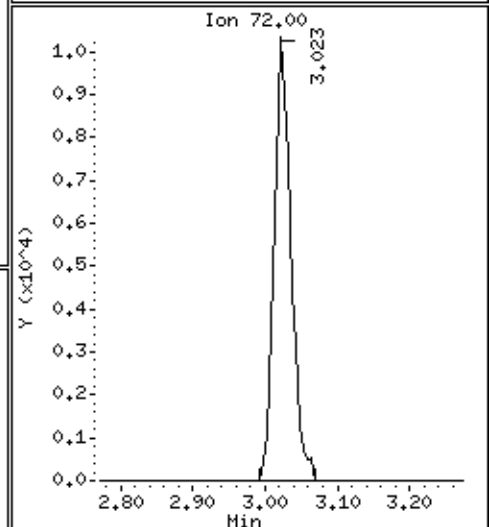
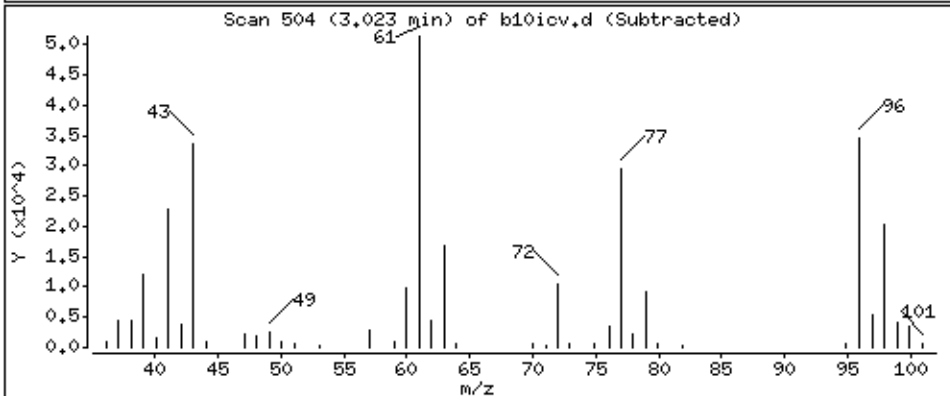
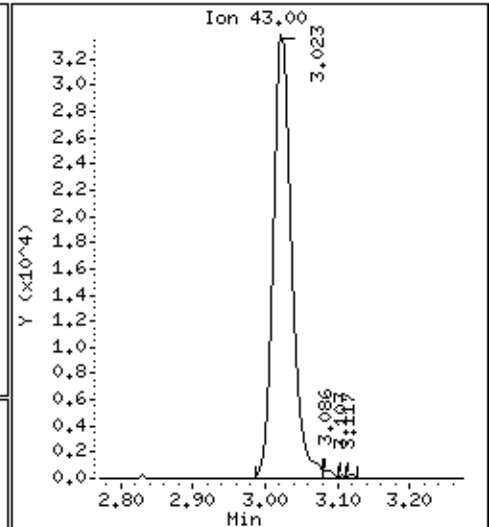
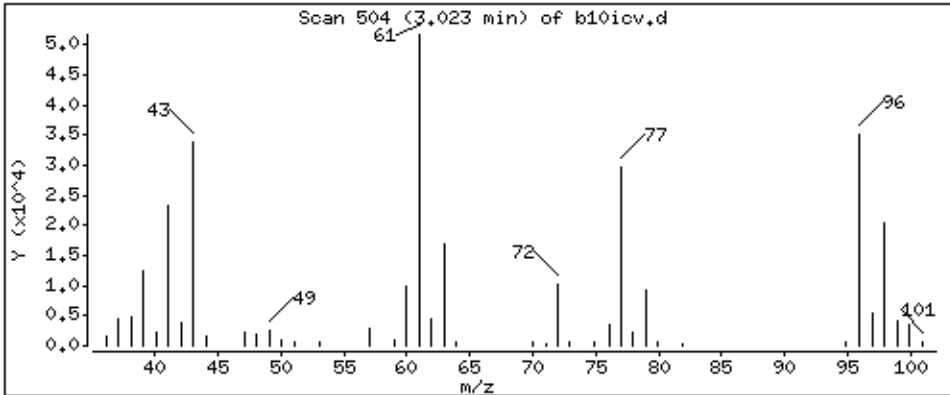
Operator: grm

Column phase: DB-624

Column diameter: 0,18

28 2-Butanone

Concentration: 248 ppb



Date : 19-JUN-2014 19:08

Client ID: 8260-ICV,71105:0

Instrument: 50mv1b.i

Sample Info: 8260-ICV,71105:0

Purge Volume: 5.0

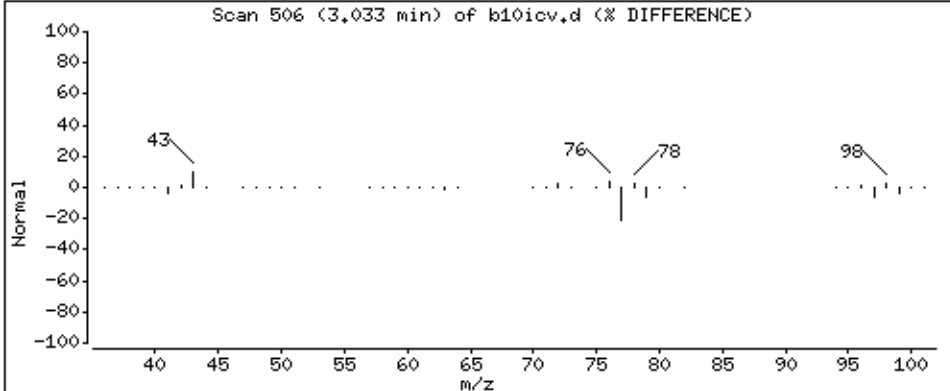
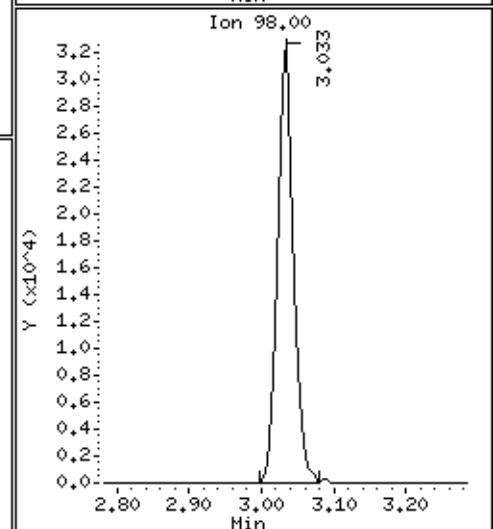
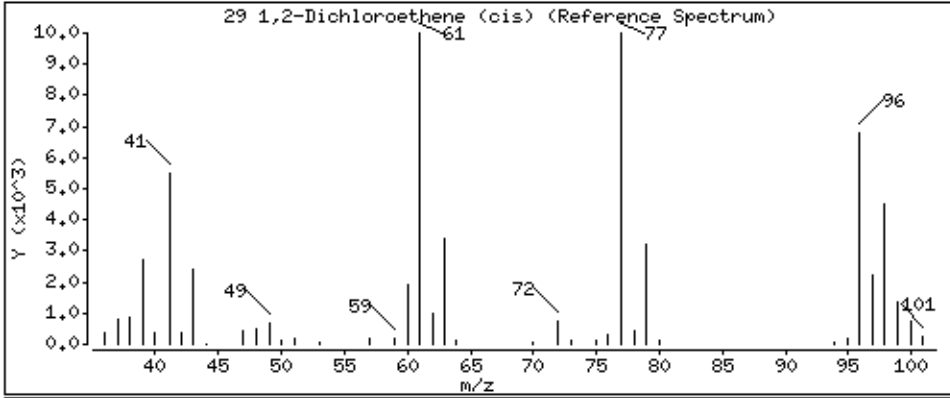
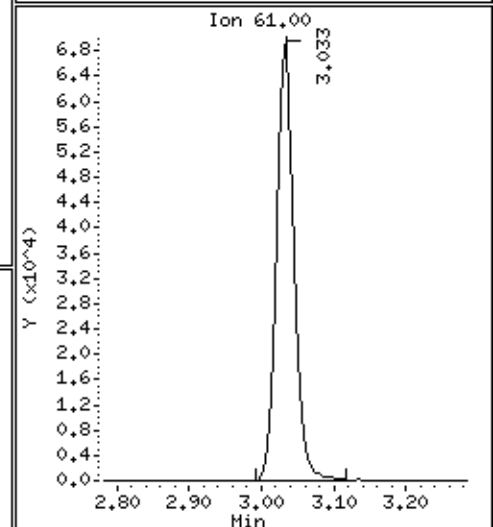
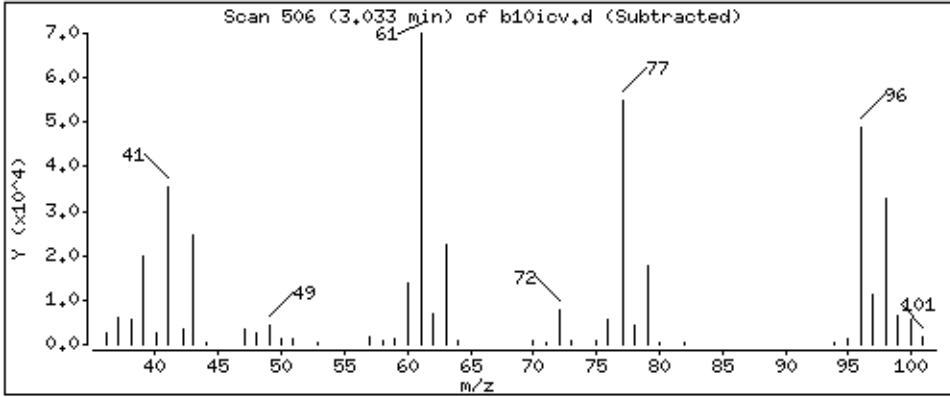
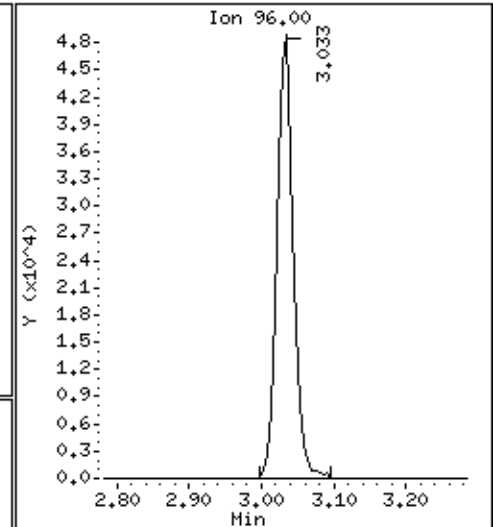
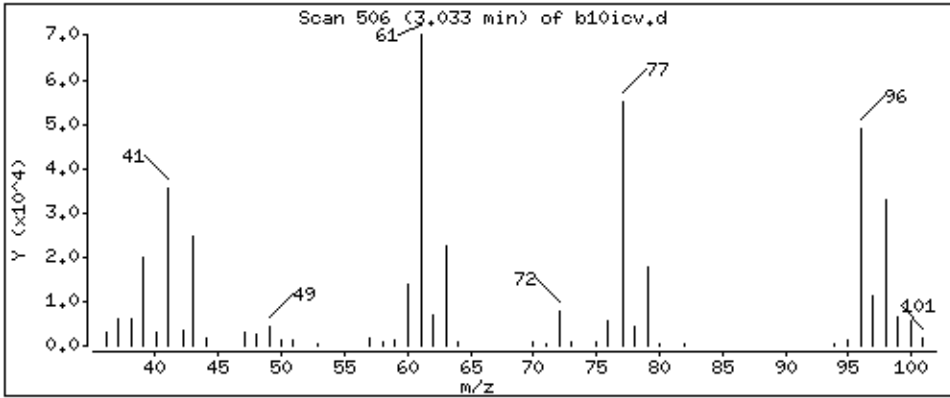
Operator: grm

Column phase: DB-624

Column diameter: 0,18

29 1,2-Dichloroethene (cis)

Concentration: 48,4 ppb



Date : 19-JUN-2014 19:08

Client ID: 8260-ICV,71105:0

Instrument: 50mv1b.i

Sample Info: 8260-ICV,71105:0

Purge Volume: 5.0

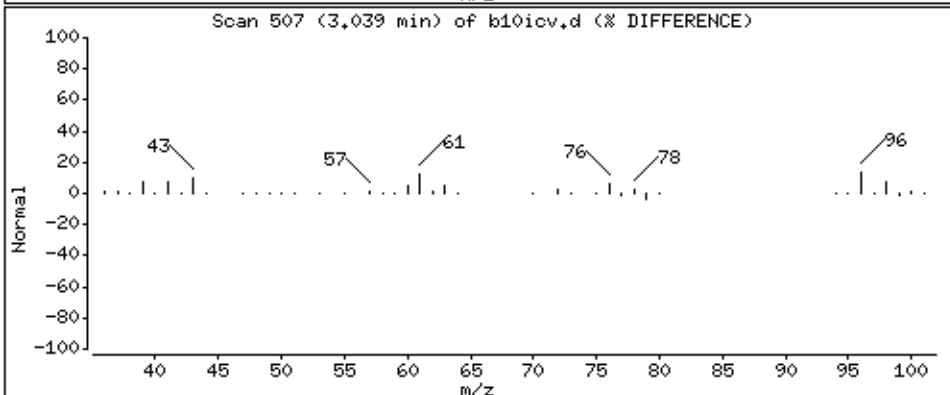
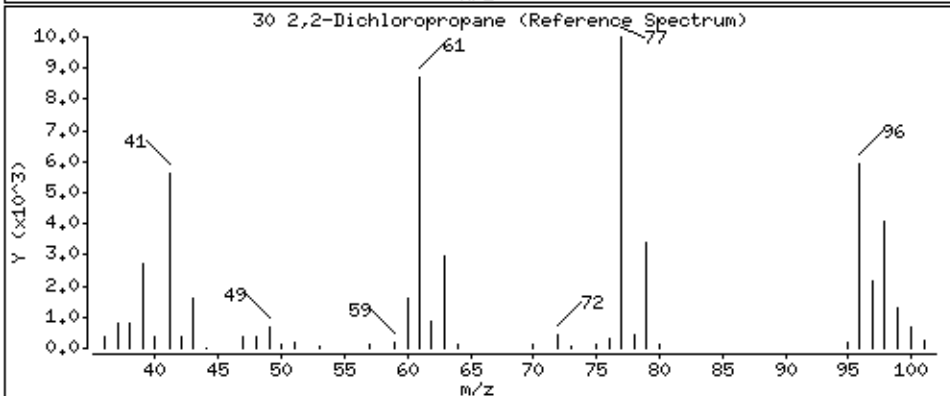
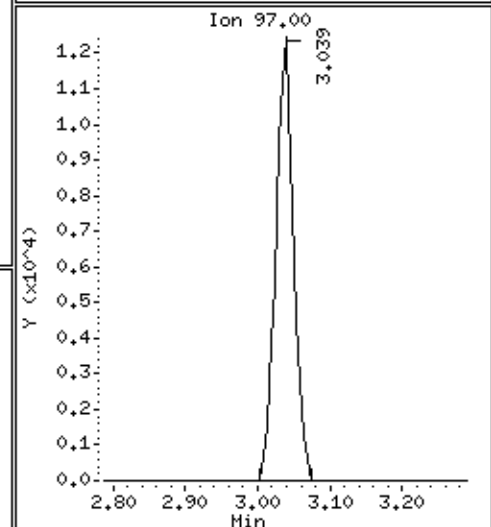
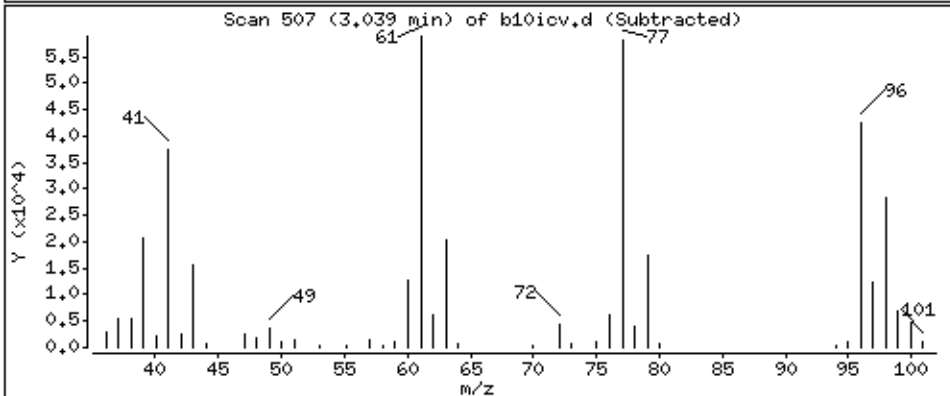
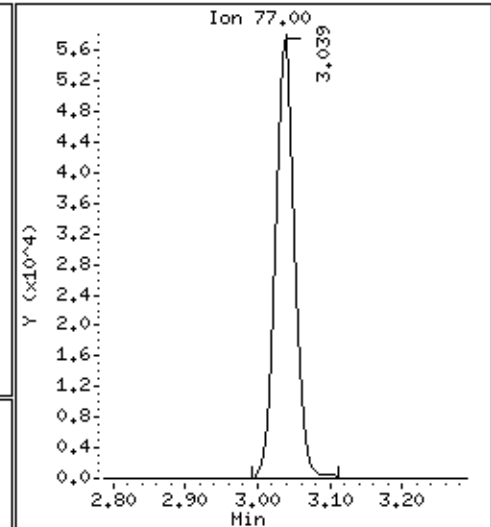
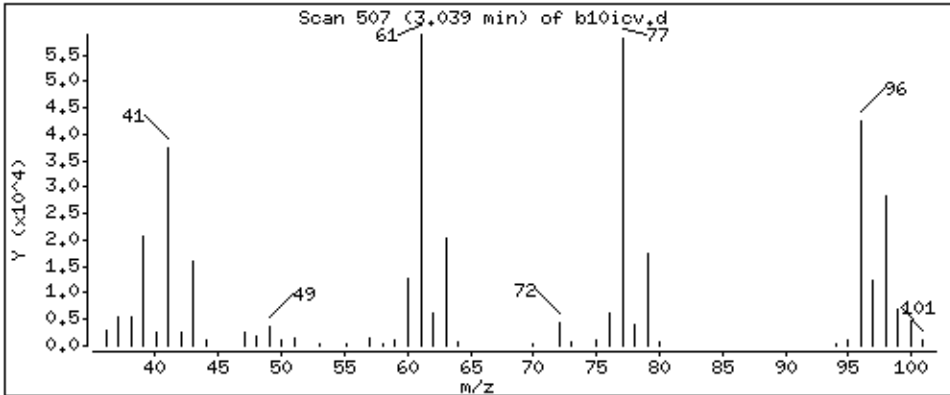
Operator: grm

Column phase: DB-624

Column diameter: 0,18

30 2,2-Dichloropropane

Concentration: 54,7 ppb



Date : 19-JUN-2014 19:08

Client ID: 8260-ICV,71105;0

Instrument: 50mv1b.i

Sample Info: 8260-ICV,71105;0

Purge Volume: 5.0

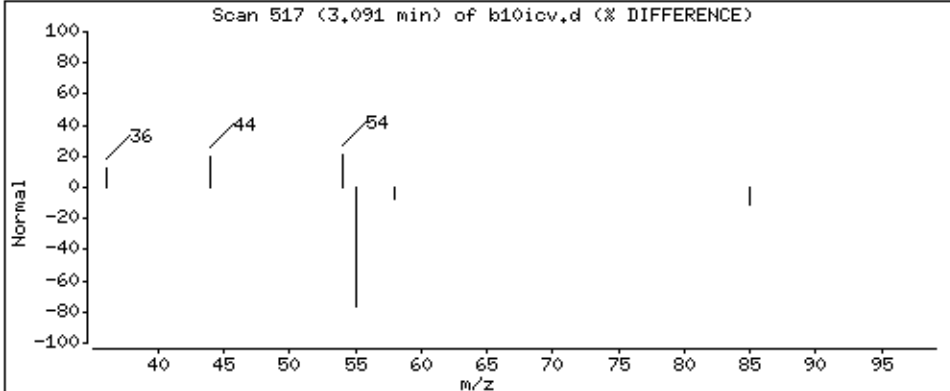
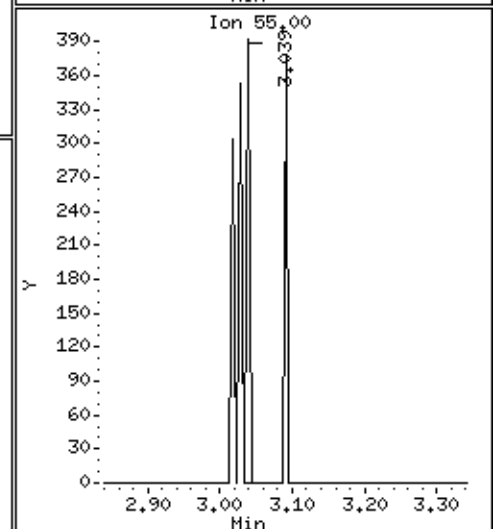
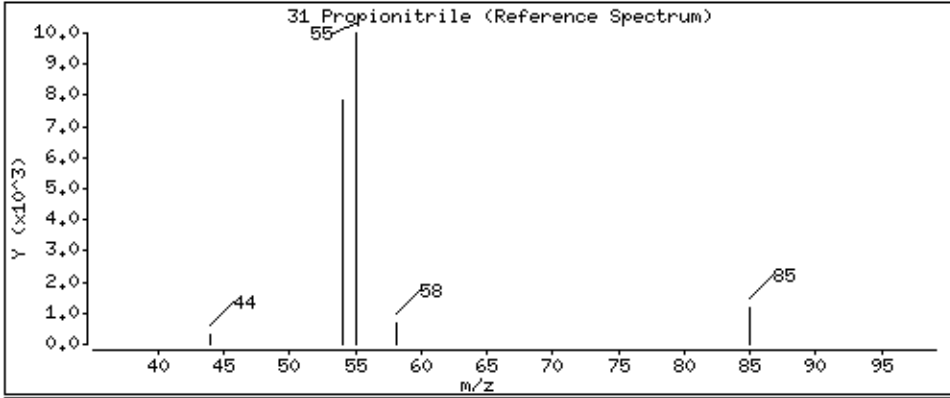
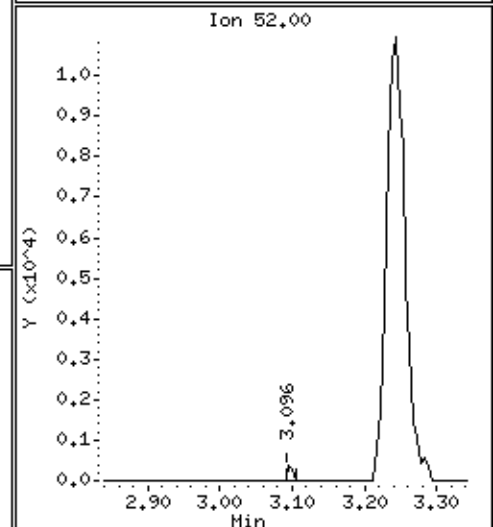
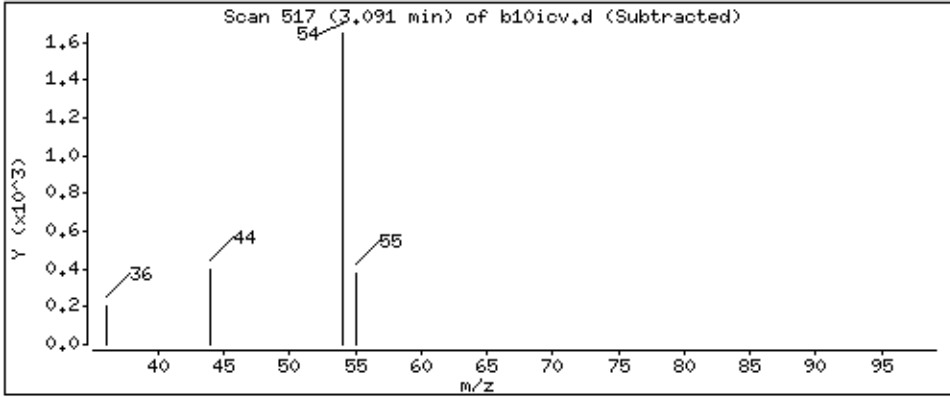
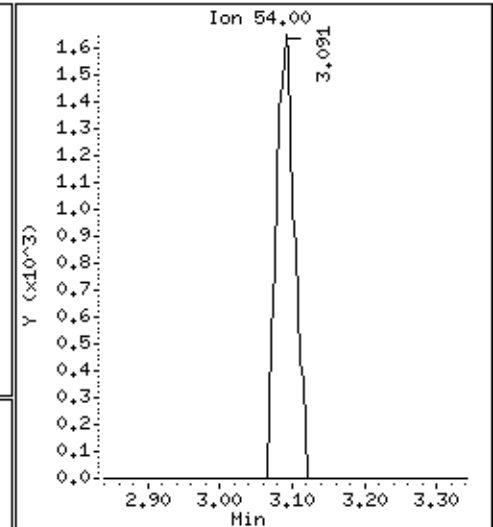
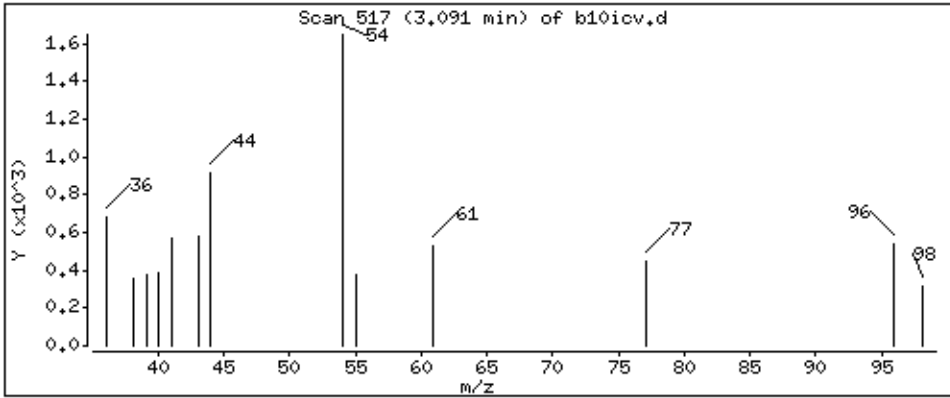
Operator: grm

Column phase: DB-624

Column diameter: 0,18

31 Propionitrile

Concentration: 44,7 ppb



Date : 19-JUN-2014 19:08

Client ID: 8260-ICV,71105:0

Instrument: 50mv1b.i

Sample Info: 8260-ICV,71105:0

Purge Volume: 5.0

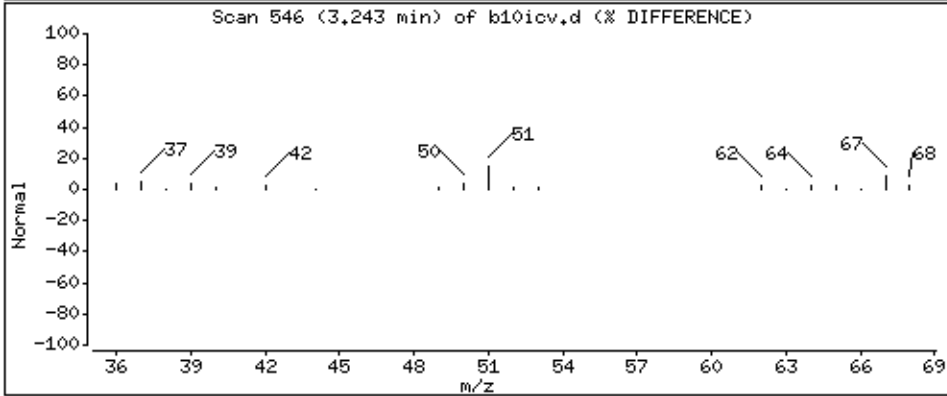
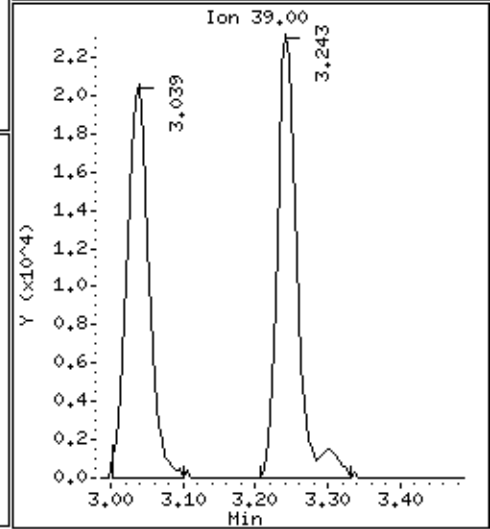
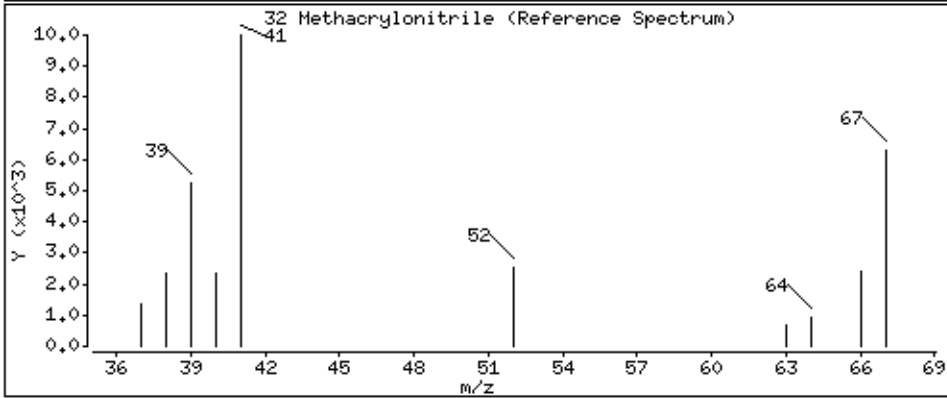
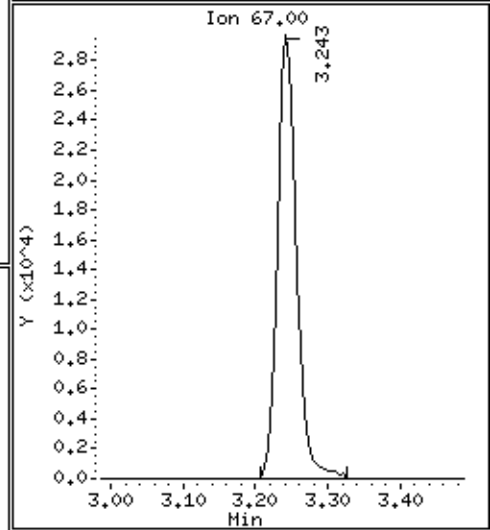
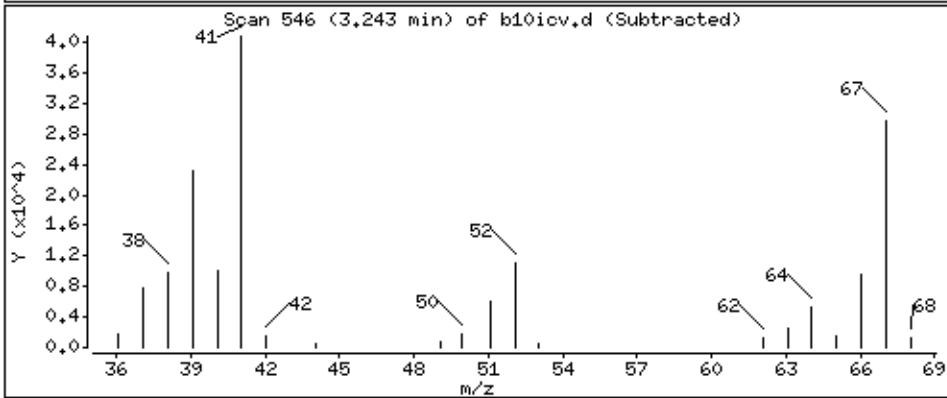
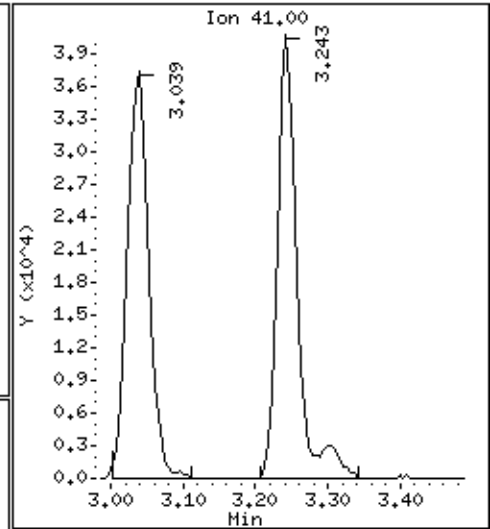
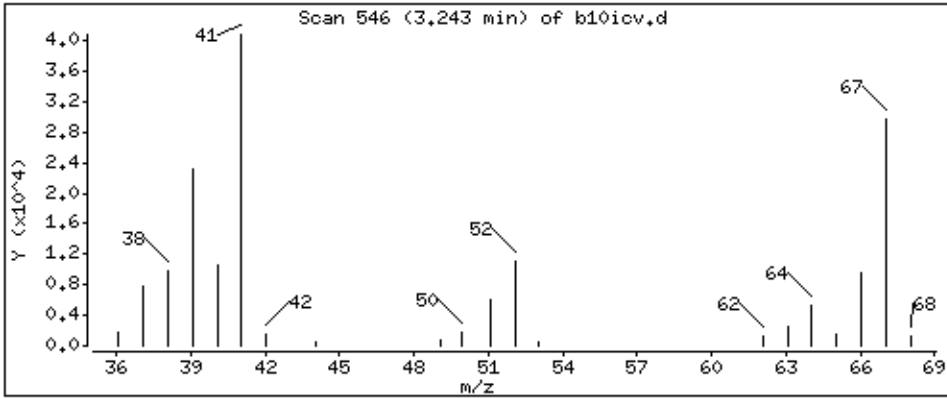
Operator: grm

Column phase: DB-624

Column diameter: 0,18

32 Methacrylonitrile

Concentration: 1100 ppb



Date : 19-JUN-2014 19:08

Client ID: 8260-ICV,71105;0

Instrument: 50mv1b.i

Sample Info: 8260-ICV,71105;0

Purge Volume: 5.0

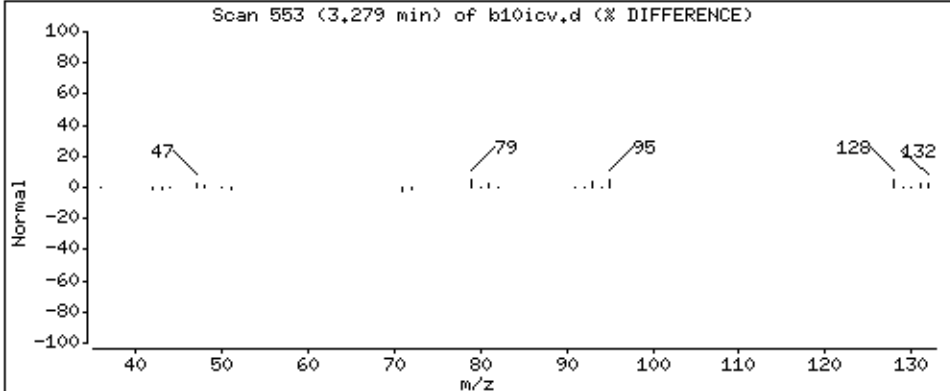
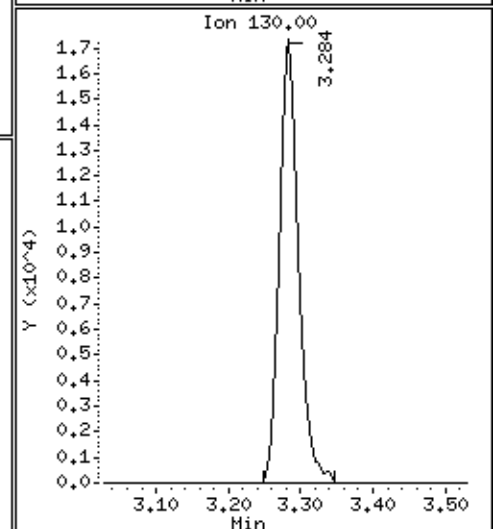
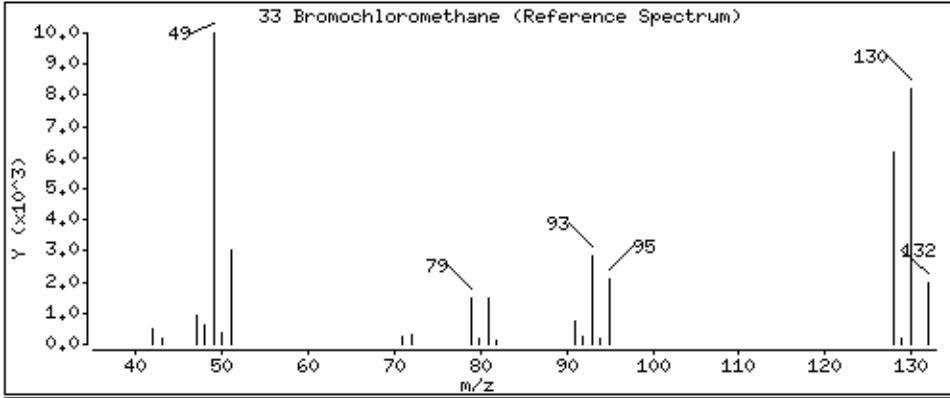
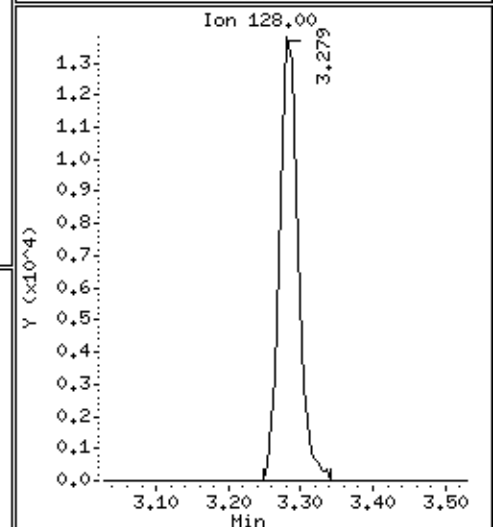
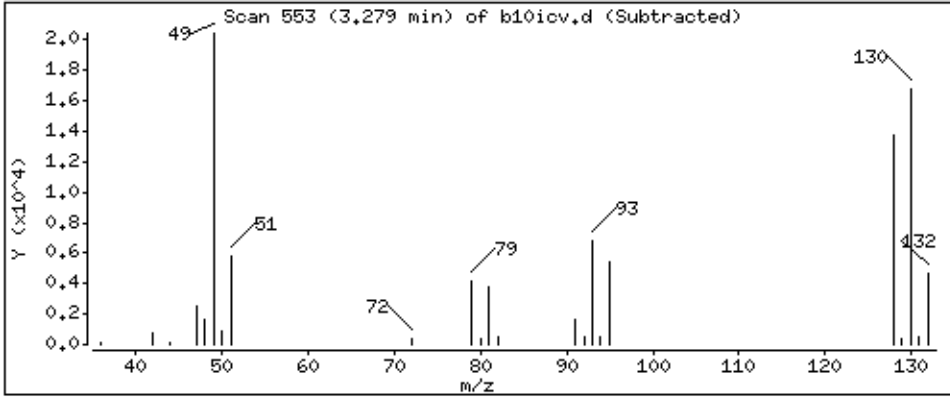
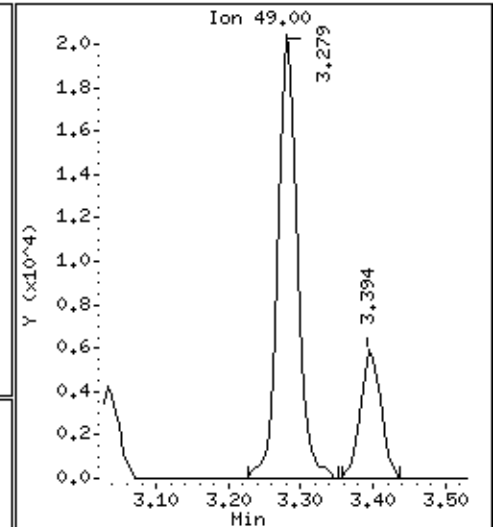
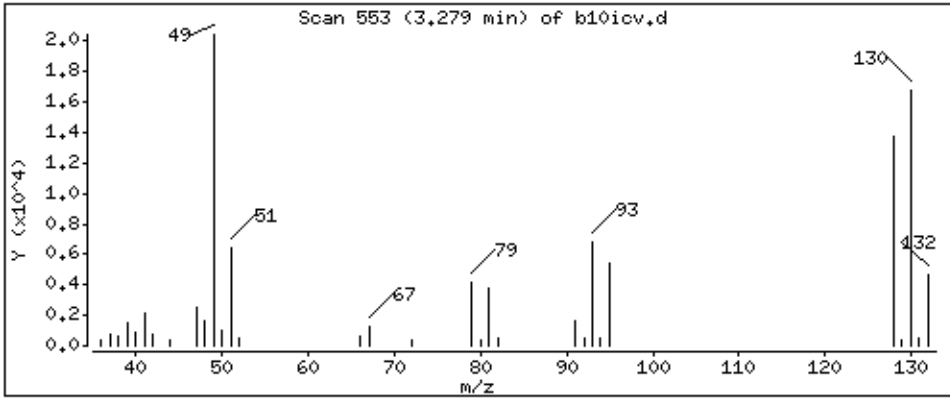
Operator: grm

Column phase: DB-624

Column diameter: 0,18

33 Bromochloromethane

Concentration: 51.7 ppb



Date : 19-JUN-2014 19:08

Client ID: 8260-ICV,71105;0

Instrument: 50mv1b.i

Sample Info: 8260-ICV,71105;0

Purge Volume: 5.0

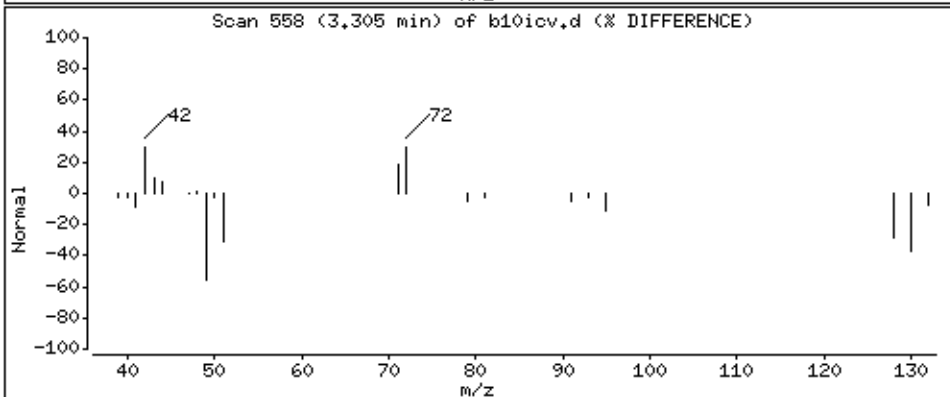
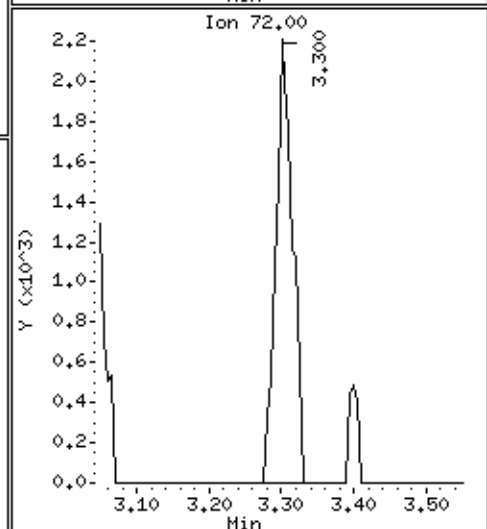
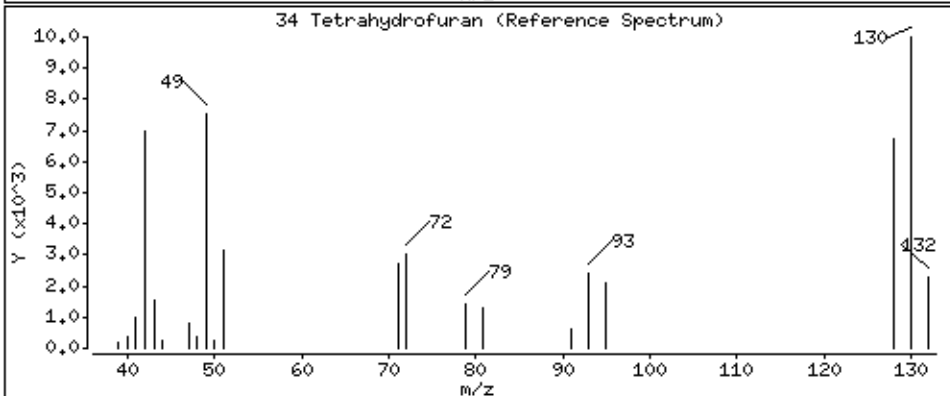
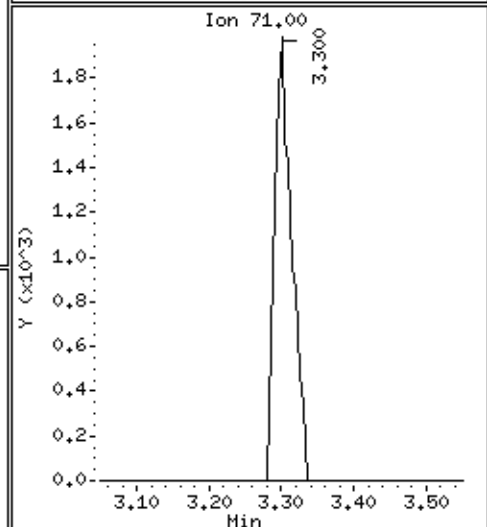
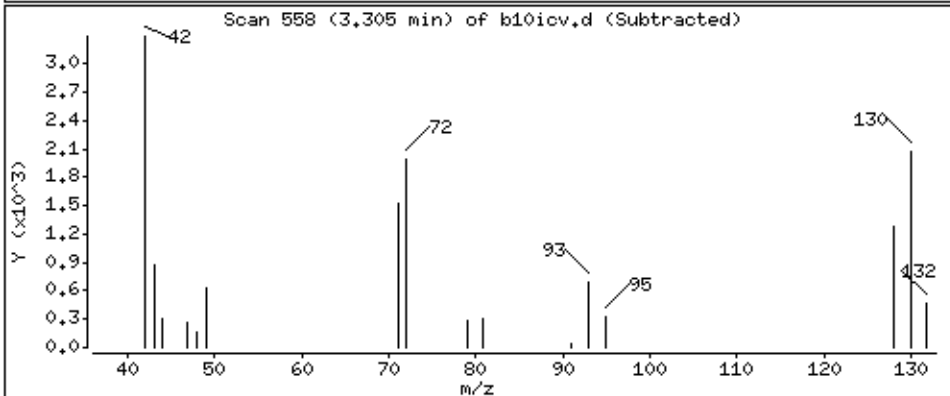
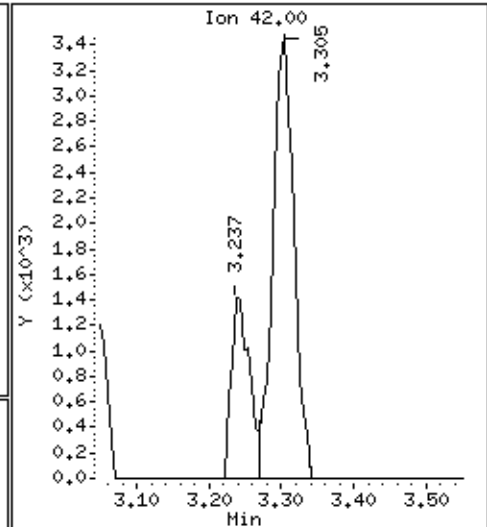
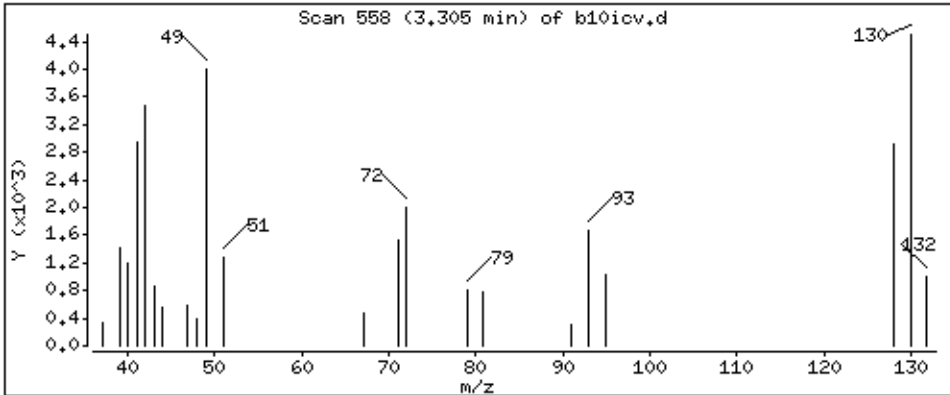
Operator: grm

Column phase: DB-624

Column diameter: 0,18

34 Tetrahydrofuran

Concentration: 60,0 ppb



Date : 19-JUN-2014 19:08

Client ID: 8260-ICV,71105:0

Instrument: 50mv1b.i

Sample Info: 8260-ICV,71105:0

Purge Volume: 5.0

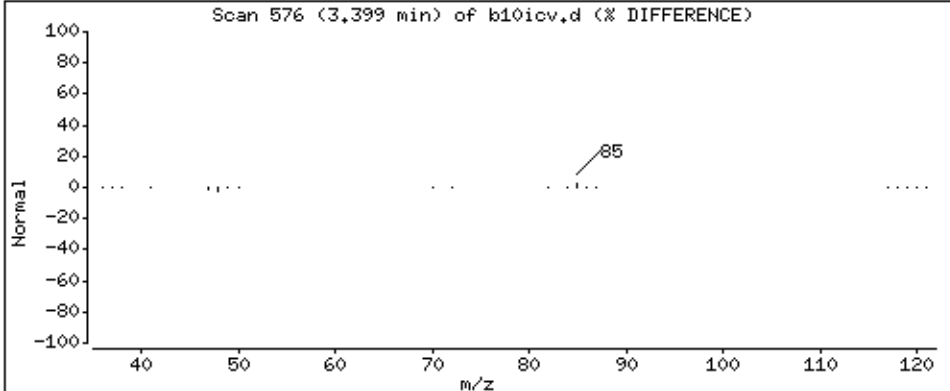
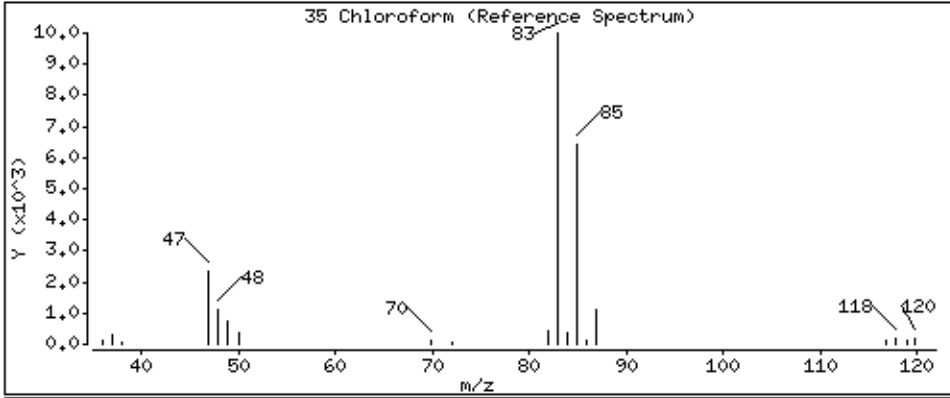
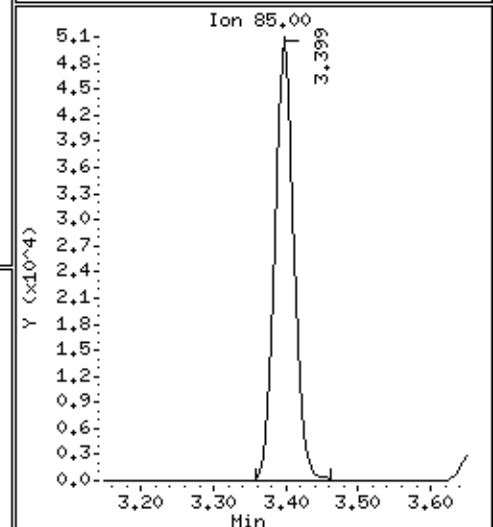
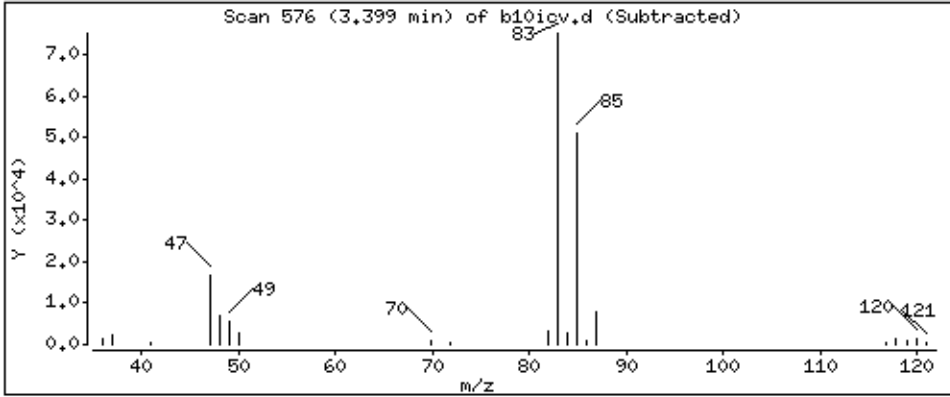
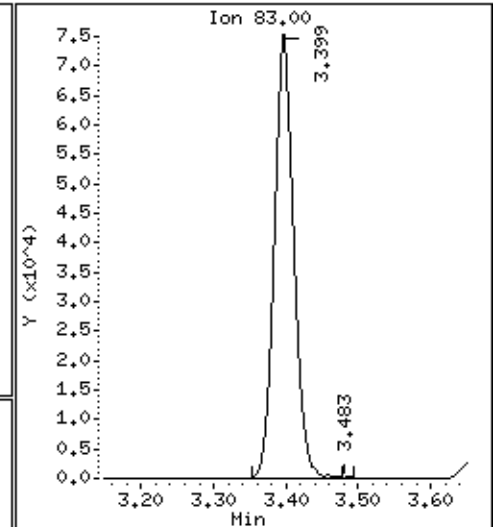
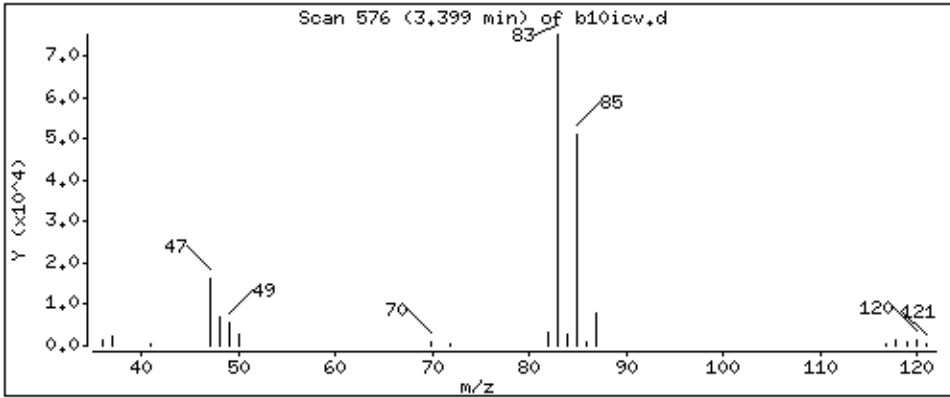
Operator: grm

Column phase: DB-624

Column diameter: 0,18

35 Chloroform

Concentration: 48,6 ppb



Date : 19-JUN-2014 19:08

Client ID: 8260-ICV,71105;0

Instrument: 50mv1b.i

Sample Info: 8260-ICV,71105;0

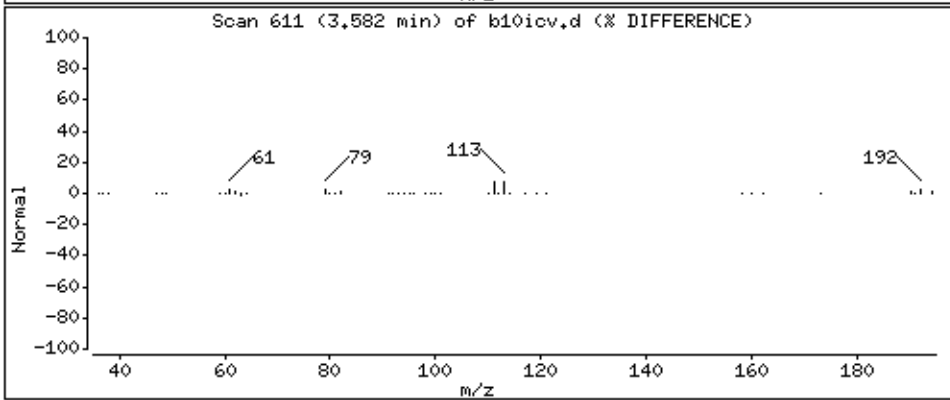
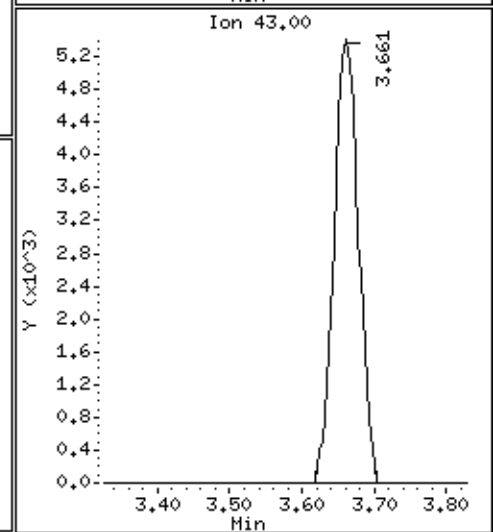
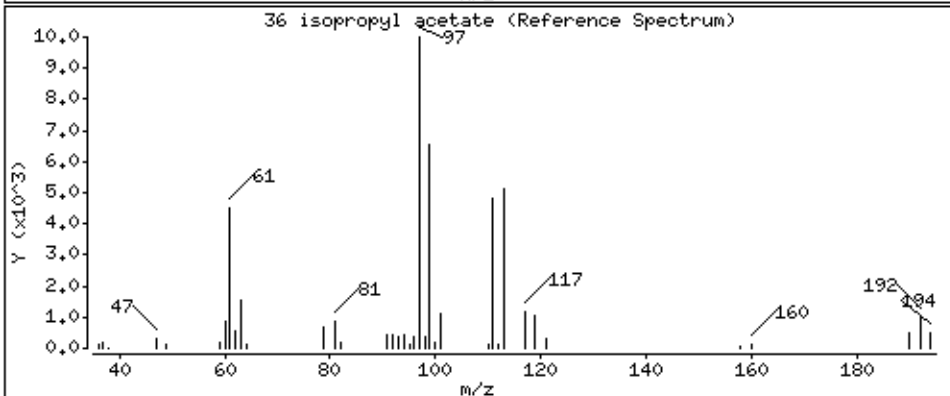
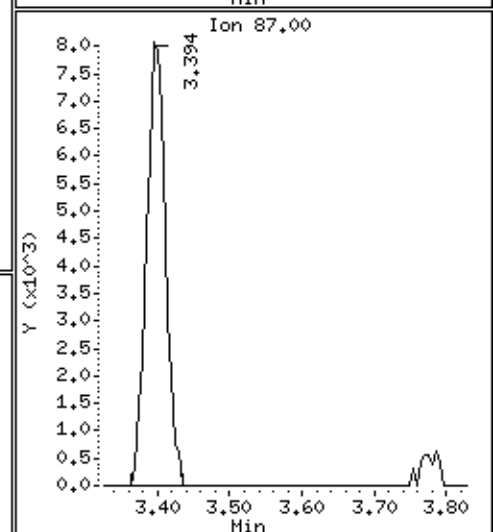
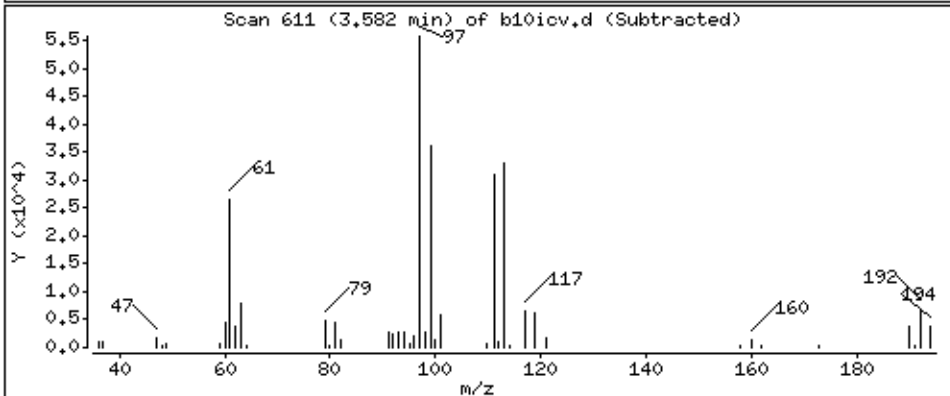
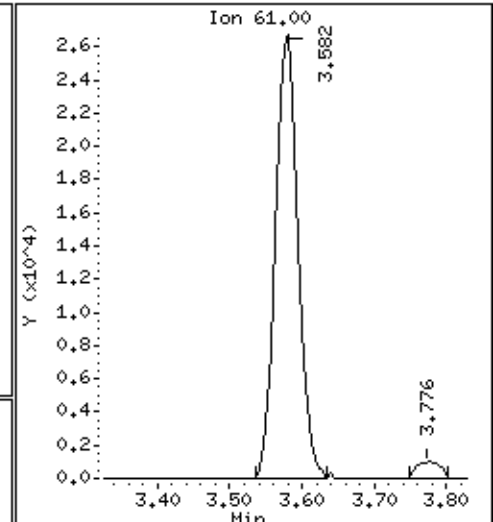
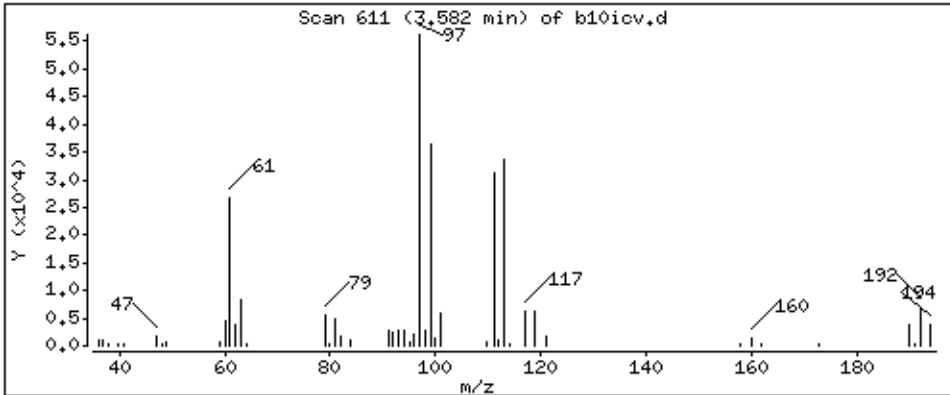
Purge Volume: 5.0

Operator: grm

Column phase: DB-624

Column diameter: 0,18

36 isopropyl acetate



Date : 19-JUN-2014 19:08

Client ID: 8260-ICV,71105;0

Instrument: 50mv1b.i

Sample Info: 8260-ICV,71105;0

Purge Volume: 5.0

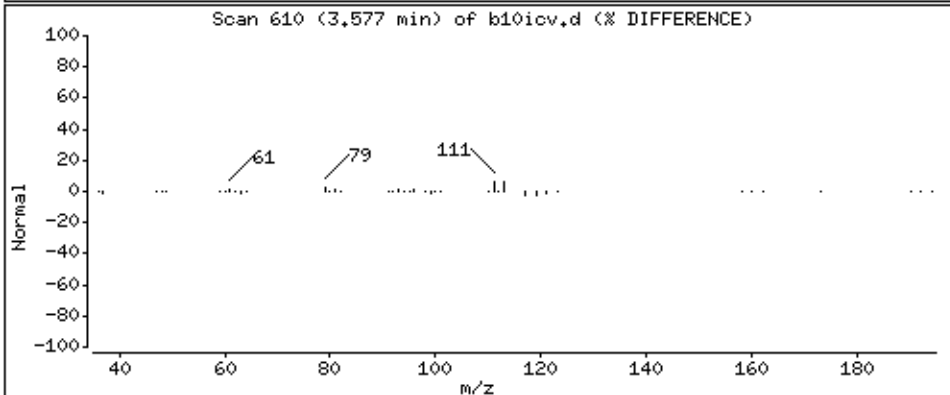
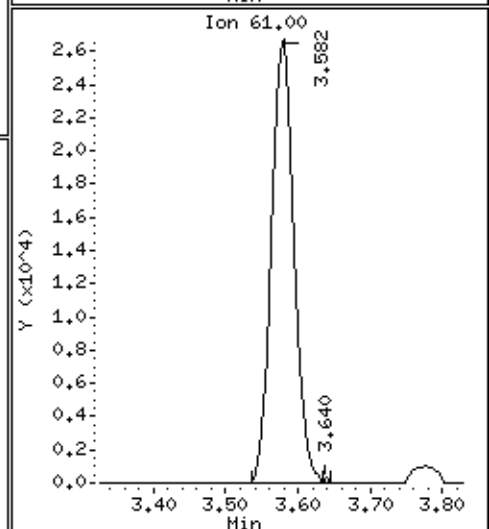
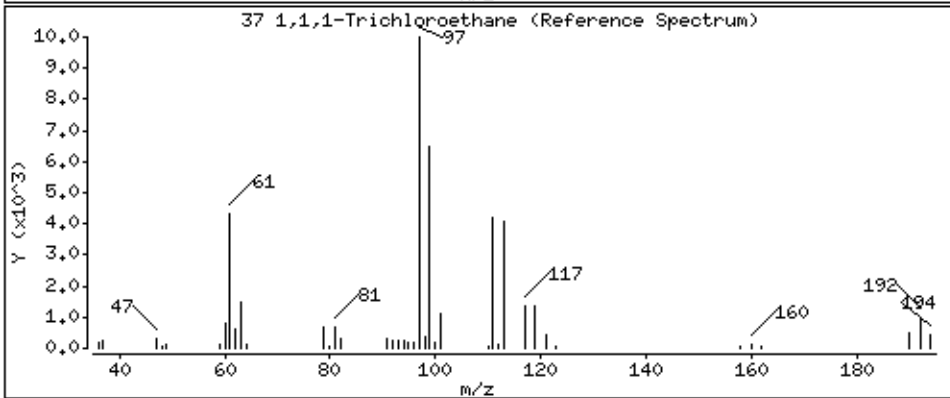
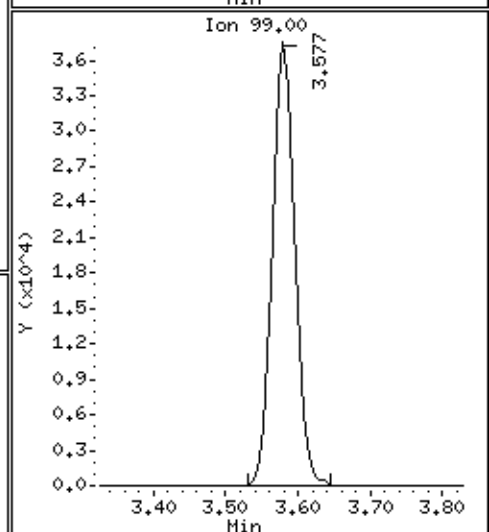
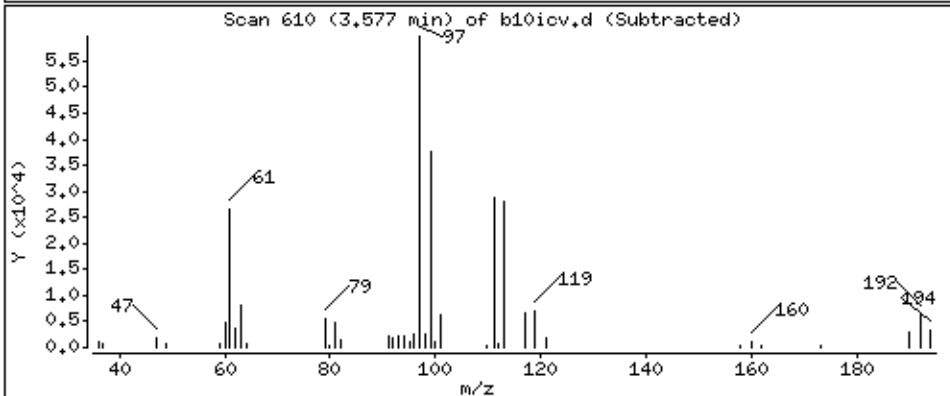
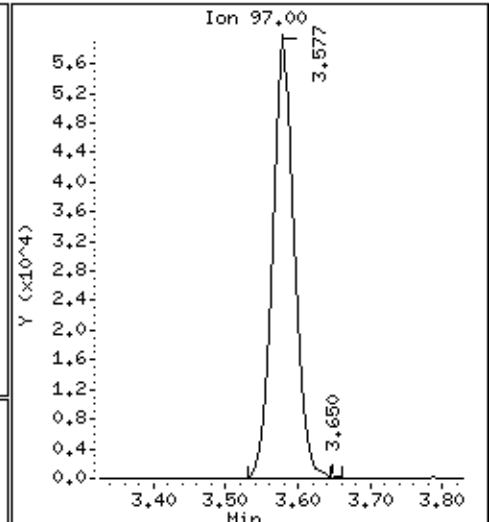
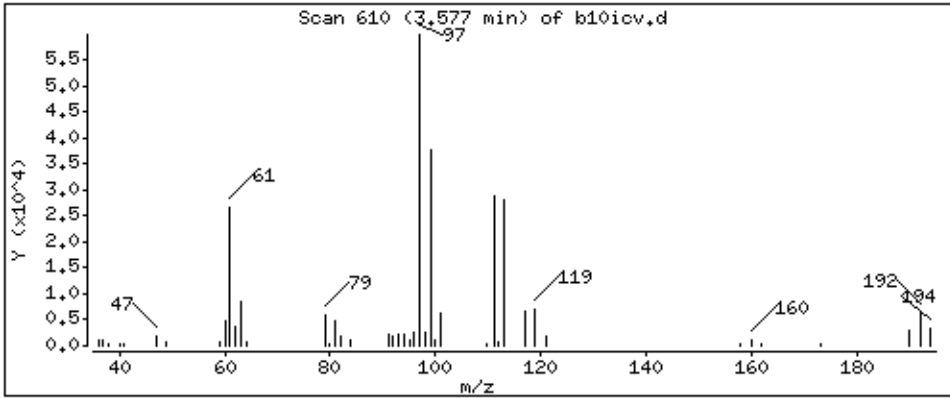
Operator: grm

Column phase: DB-624

Column diameter: 0,18

37 1,1,1-Trichloroethane

Concentration: 50,3 ppb



Date : 19-JUN-2014 19:08

Client ID: 8260-ICV,71105:0

Instrument: 50mv1b.i

Sample Info: 8260-ICV,71105:0

Purge Volume: 5.0

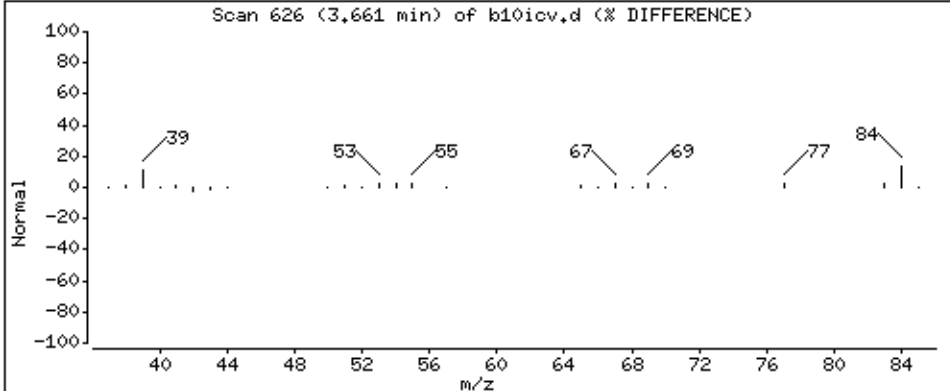
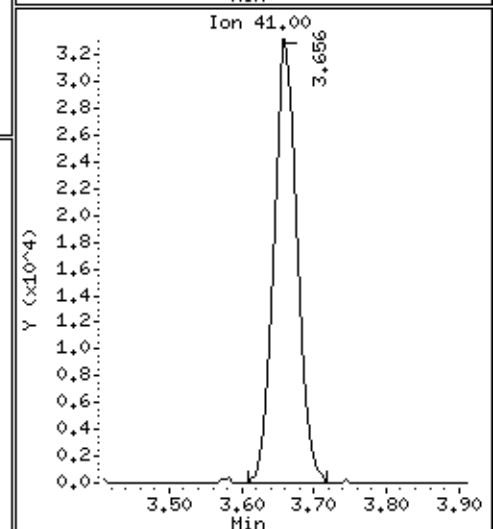
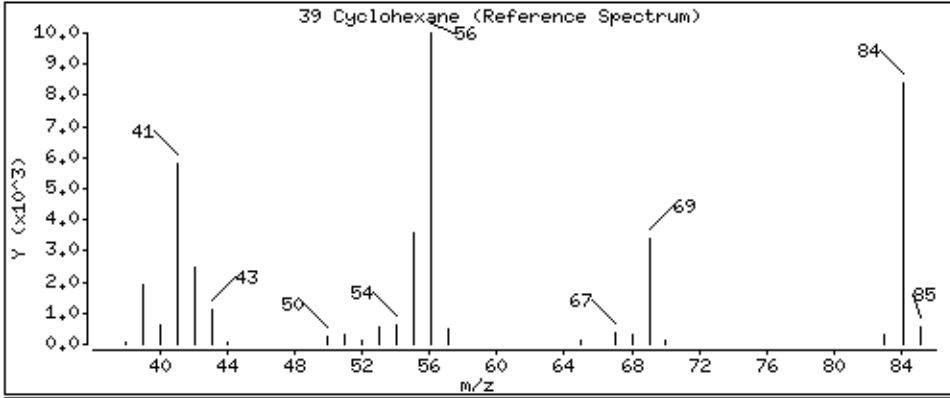
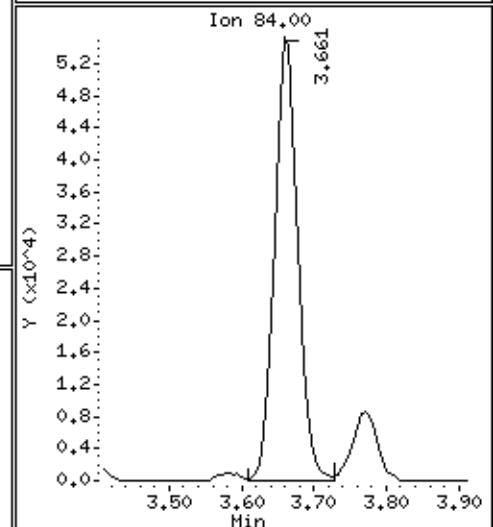
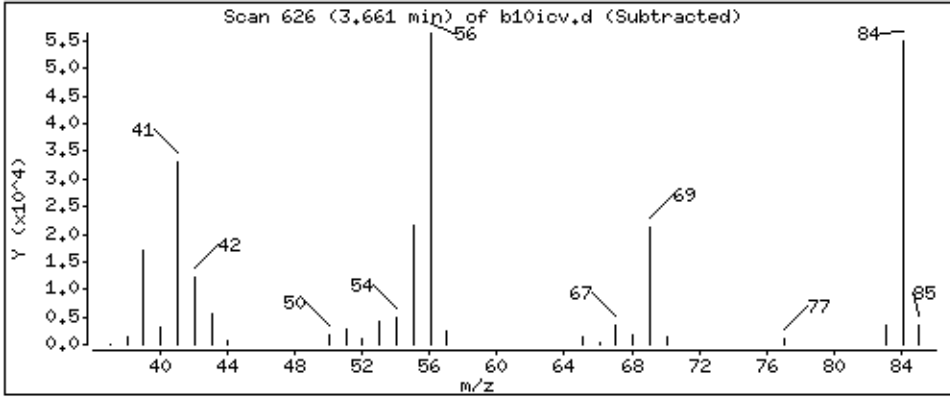
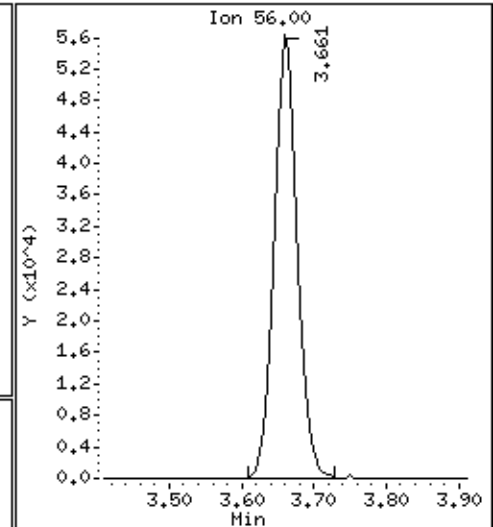
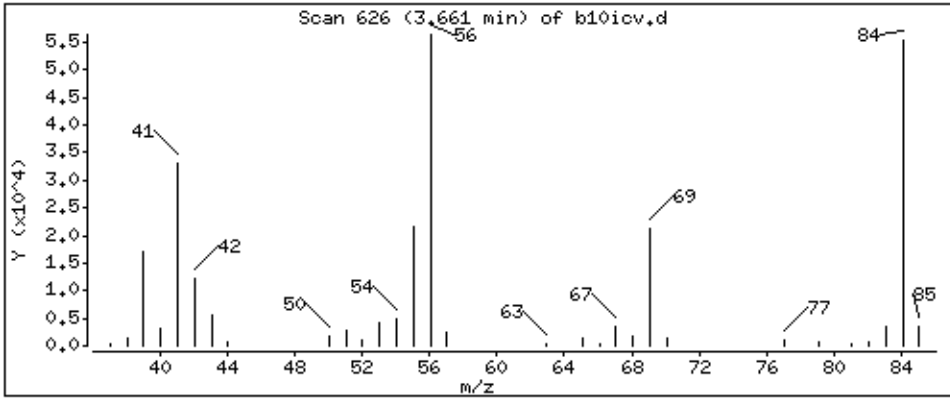
Operator: grm

Column phase: DB-624

Column diameter: 0,18

39 Cyclohexane

Concentration: 55,5 ppb



Date : 19-JUN-2014 19:08

Client ID: 8260-ICV,71105;0

Instrument: 50mv1b.i

Sample Info: 8260-ICV,71105;0

Purge Volume: 5.0

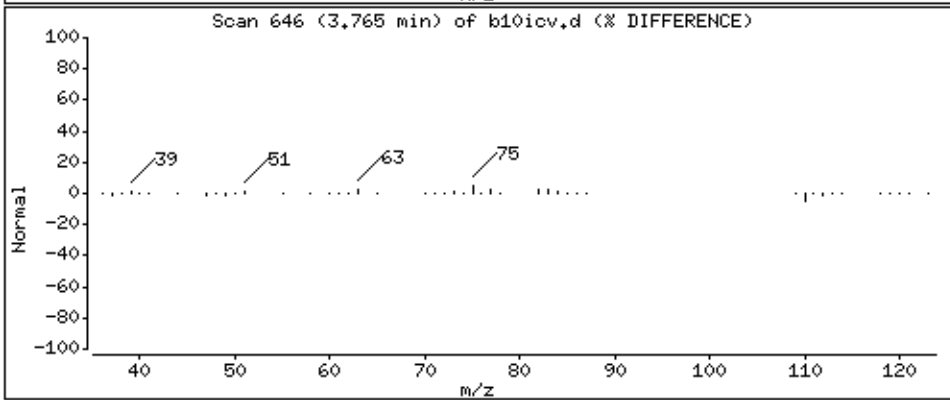
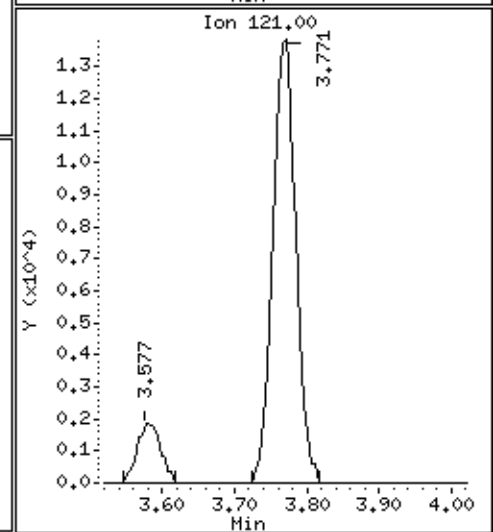
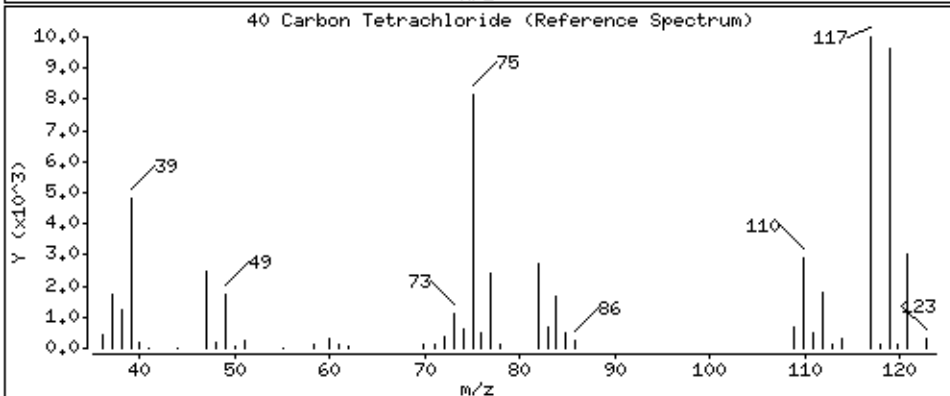
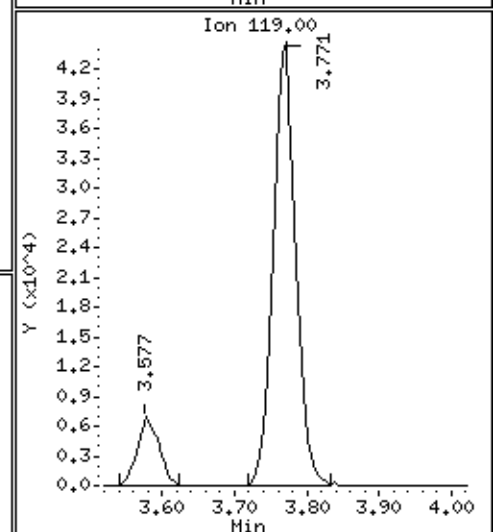
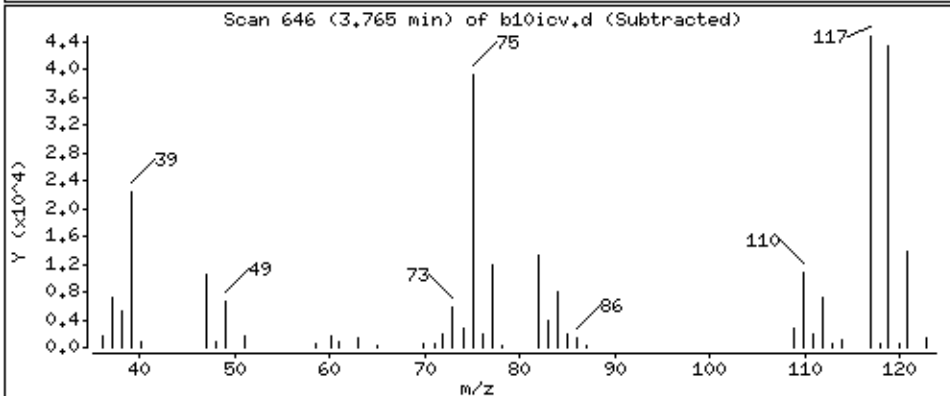
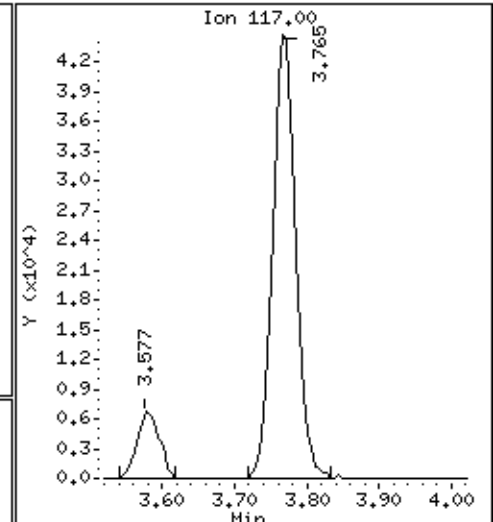
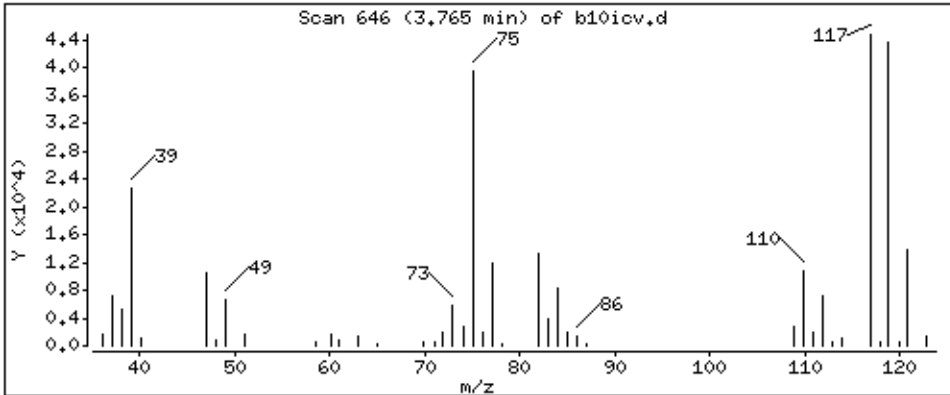
Operator: grm

Column phase: DB-624

Column diameter: 0,18

40 Carbon Tetrachloride

Concentration: 50,1 ppb



Date : 19-JUN-2014 19:08

Client ID: 8260-ICV,71105;0

Instrument: 50mv1b.i

Sample Info: 8260-ICV,71105;0

Purge Volume: 5.0

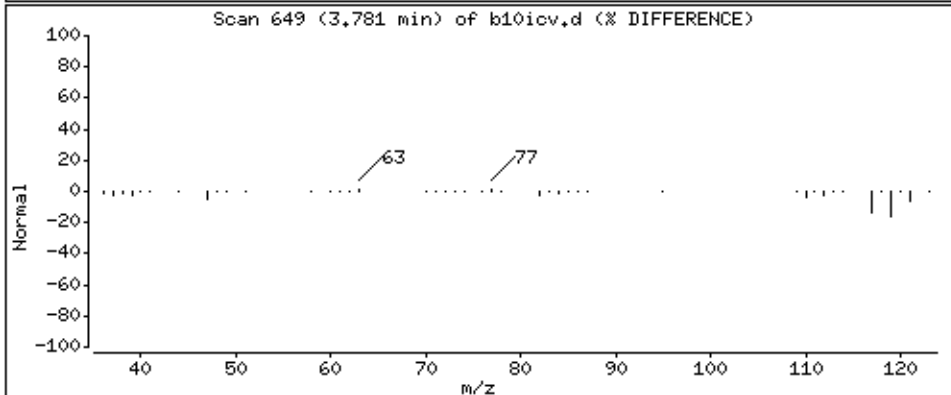
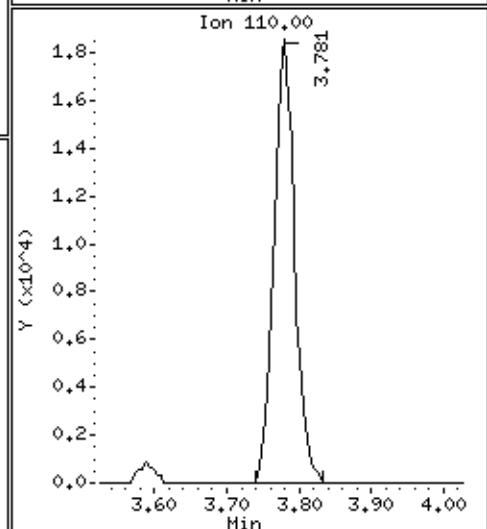
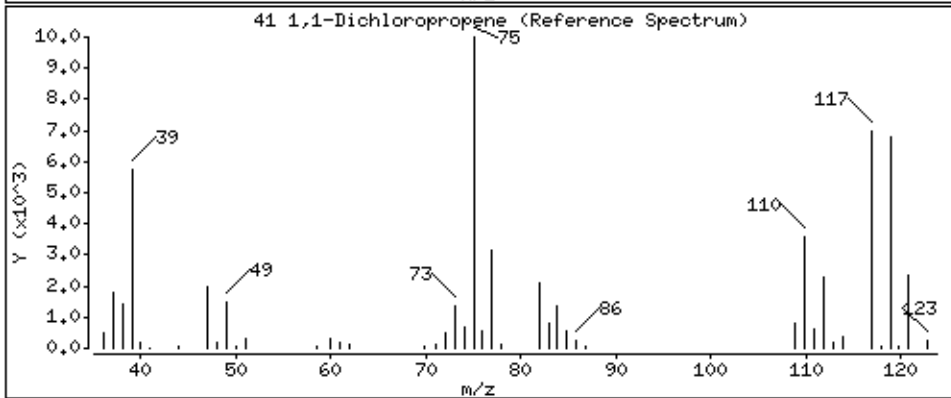
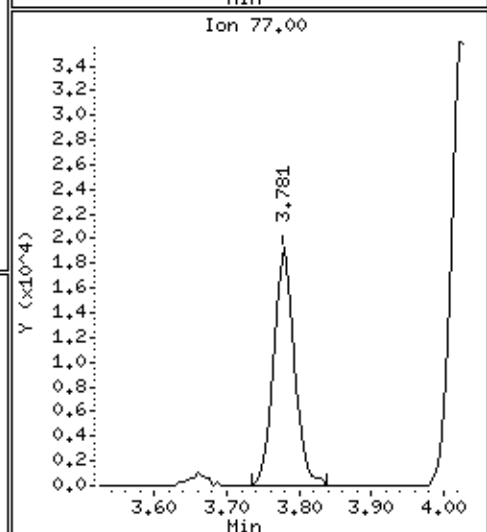
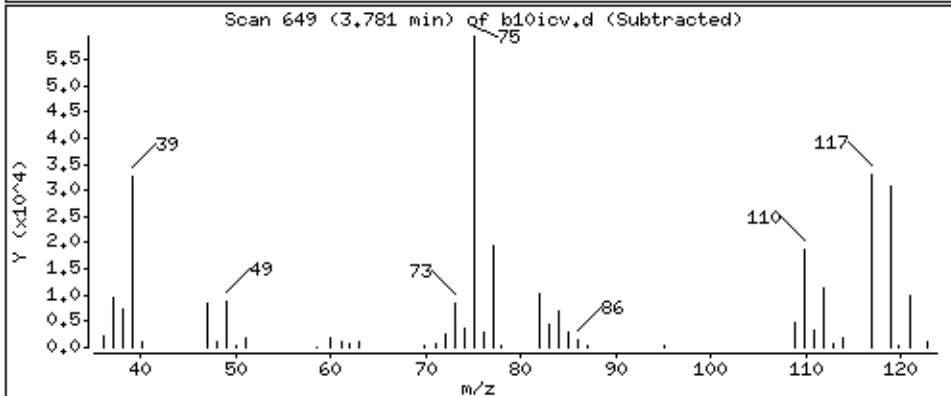
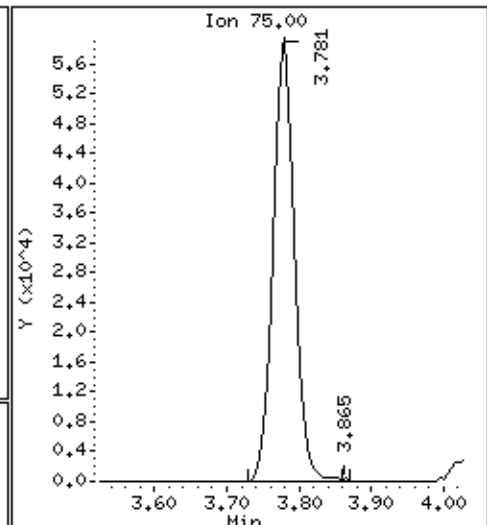
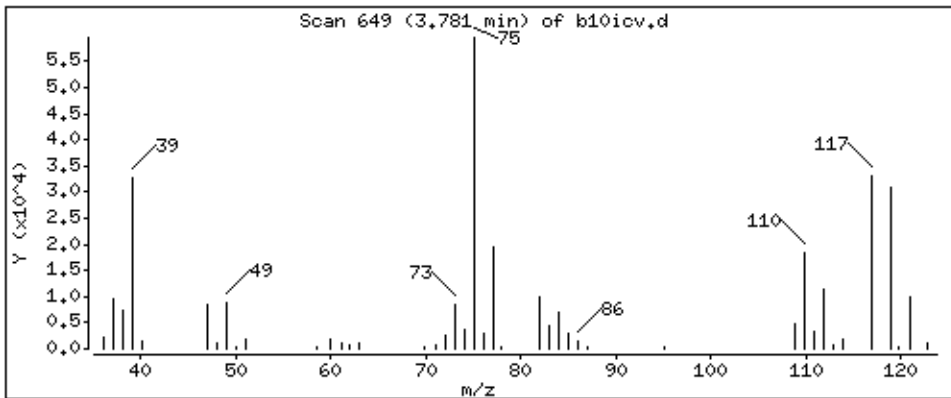
Operator: grm

Column phase: DB-624

Column diameter: 0,18

41 1,1-Dichloropropene

Concentration: 51.2 ppb



Date : 19-JUN-2014 19:08

Client ID: 8260-ICV,71105:0

Instrument: 50mv1b.i

Sample Info: 8260-ICV,71105:0

Purge Volume: 5.0

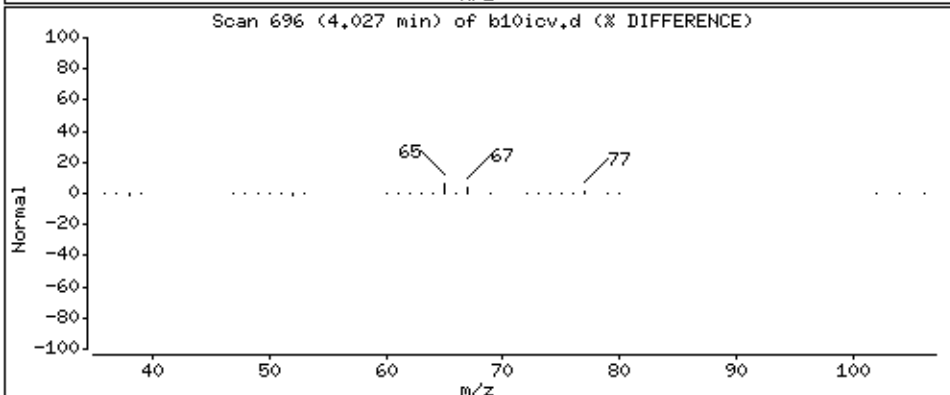
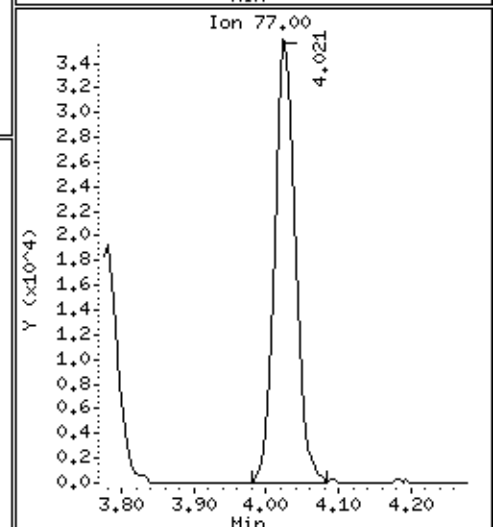
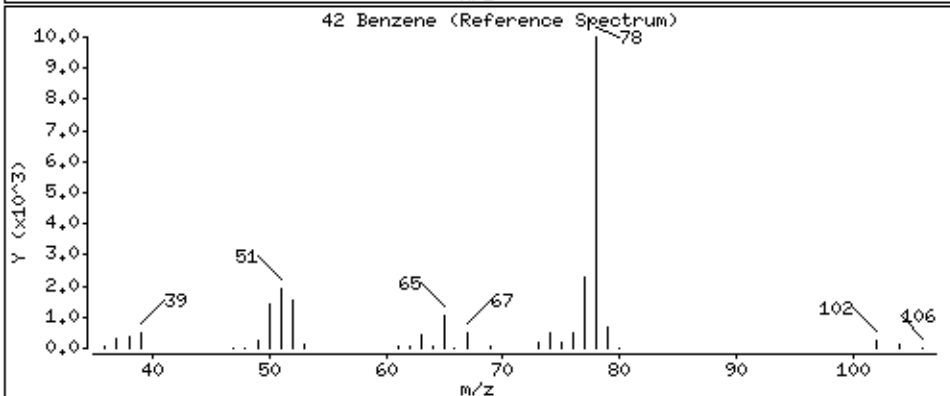
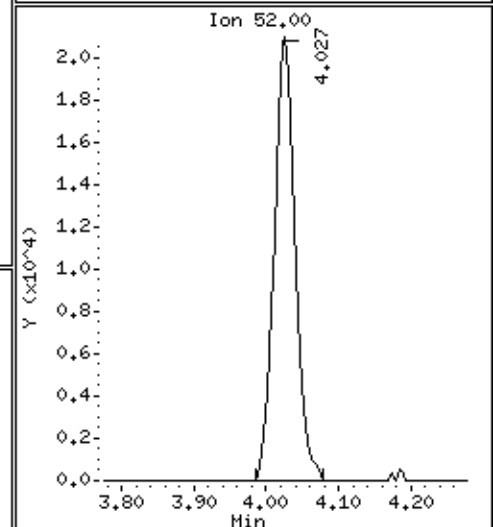
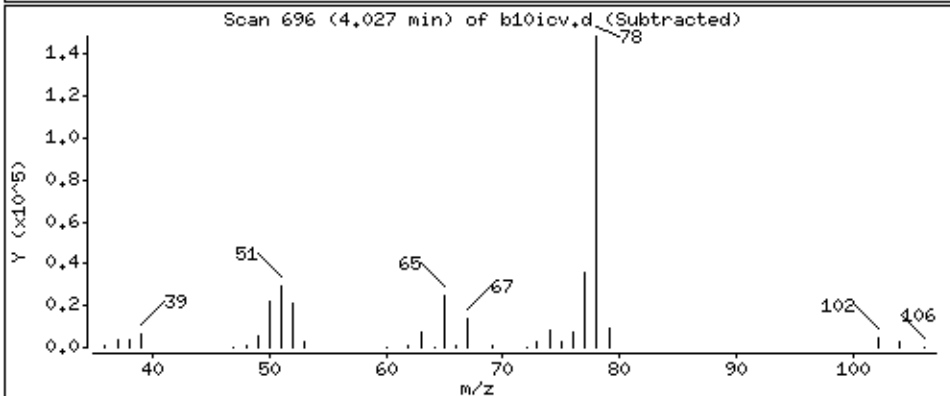
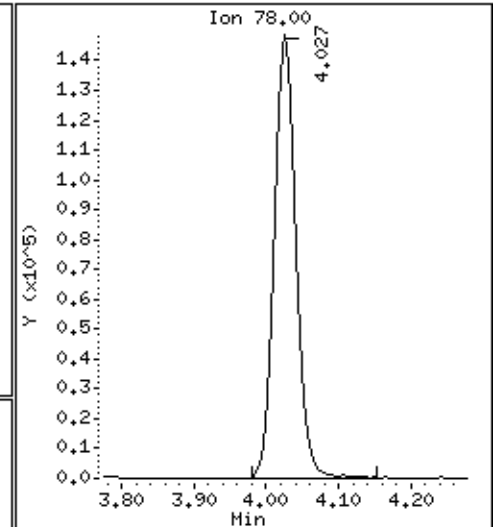
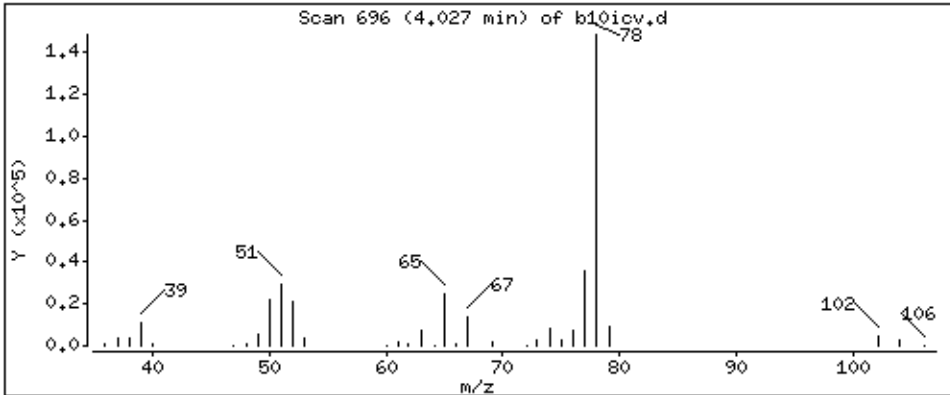
Operator: grm

Column phase: DB-624

Column diameter: 0,18

42 Benzene

Concentration: 52.6 ppb



Date : 19-JUN-2014 19:08

Client ID: 8260-ICV,71105;0

Instrument: 50mv1b.i

Sample Info: 8260-ICV,71105;0

Purge Volume: 5.0

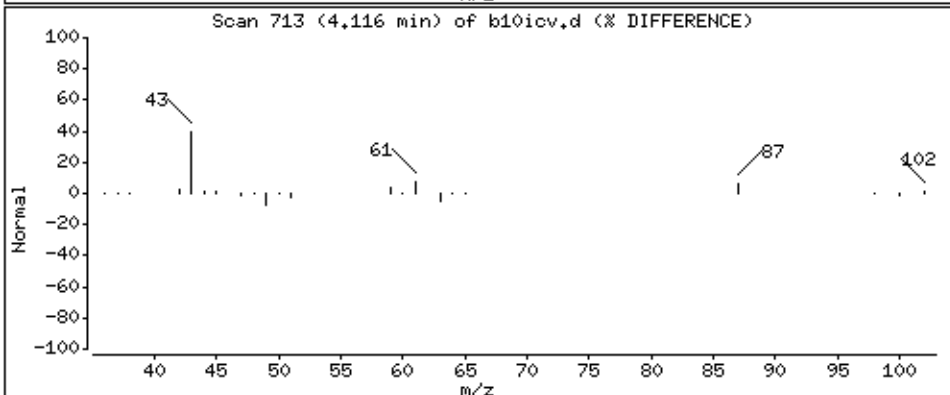
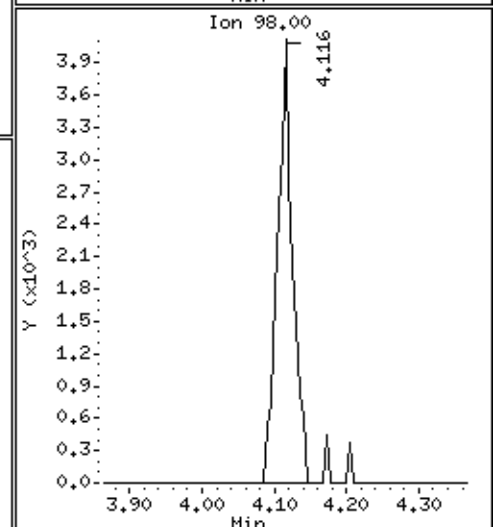
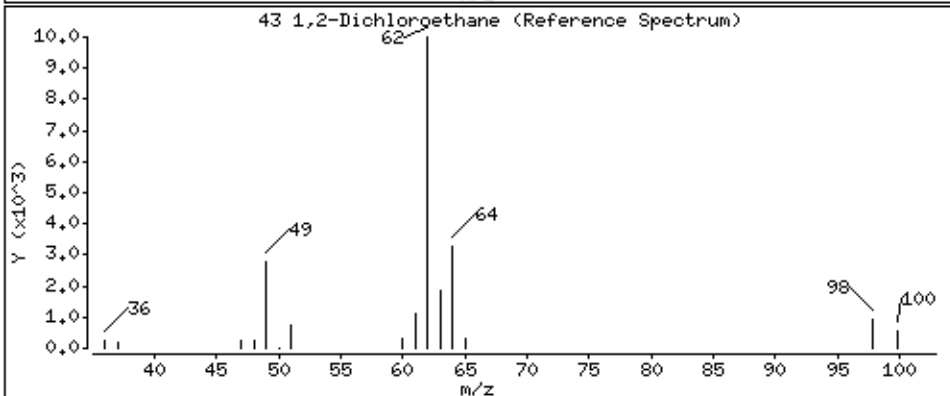
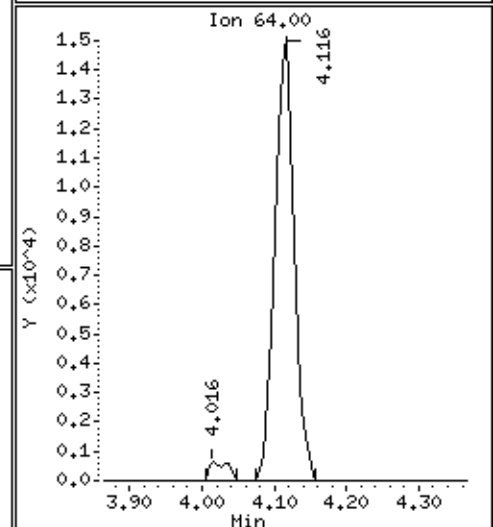
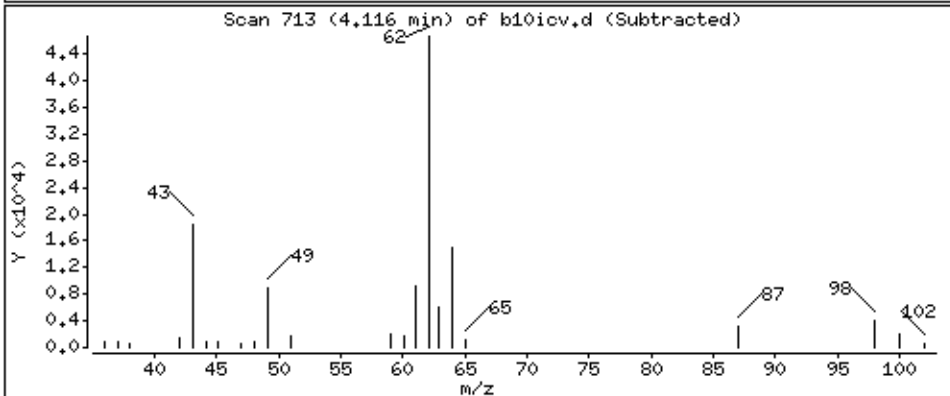
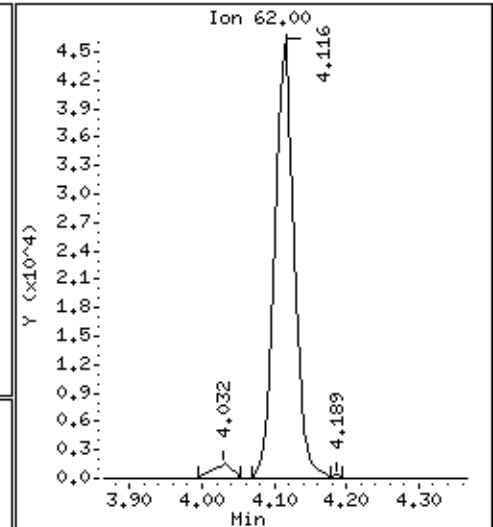
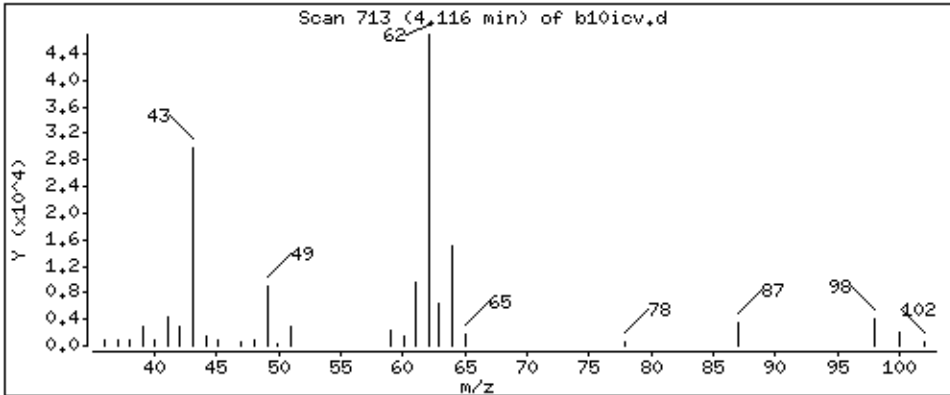
Operator: grm

Column phase: DB-624

Column diameter: 0,18

43 1,2-Dichloroethane

Concentration: 48,7 ppb



Date : 19-JUN-2014 19:08

Client ID: 8260-ICV,71105:0

Instrument: 50mv1b.i

Sample Info: 8260-ICV,71105:0

Purge Volume: 5.0

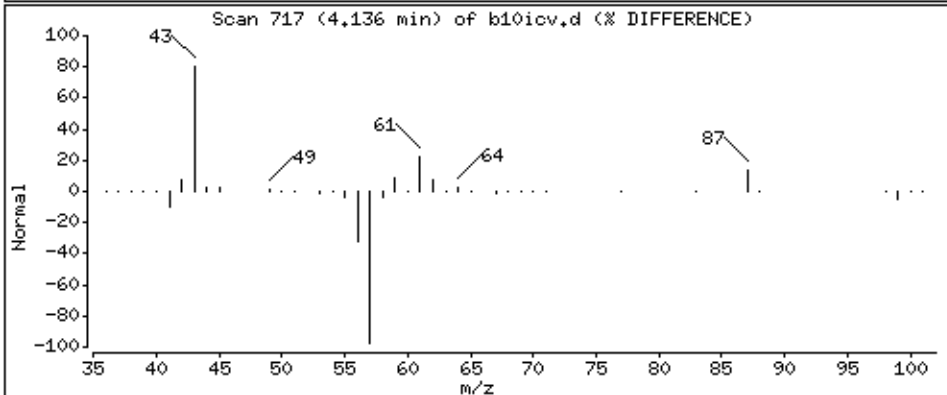
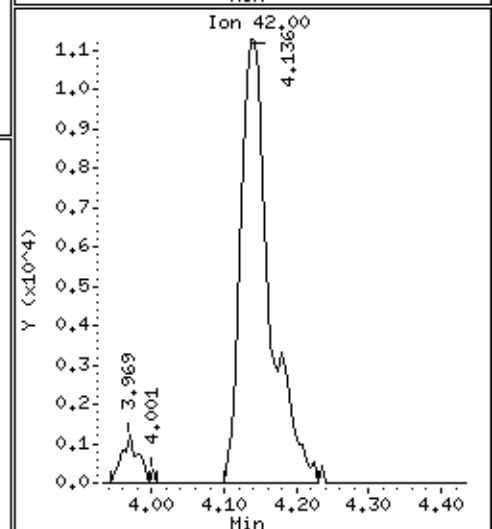
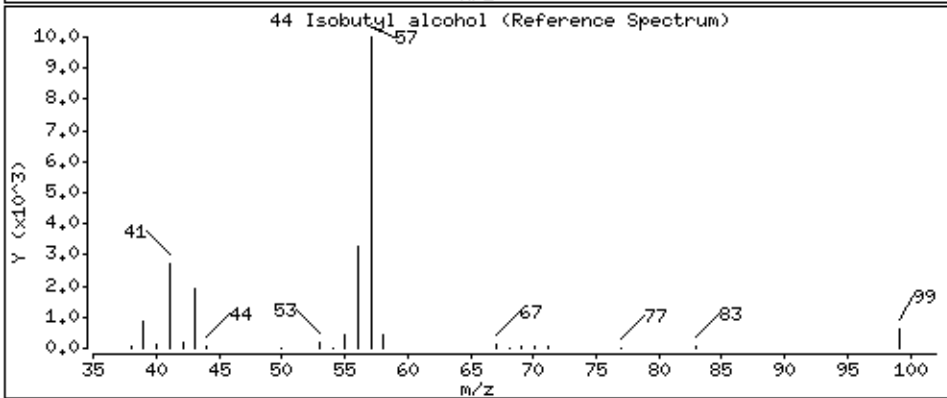
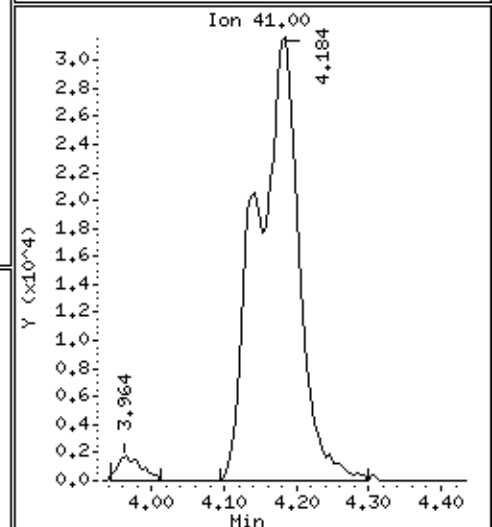
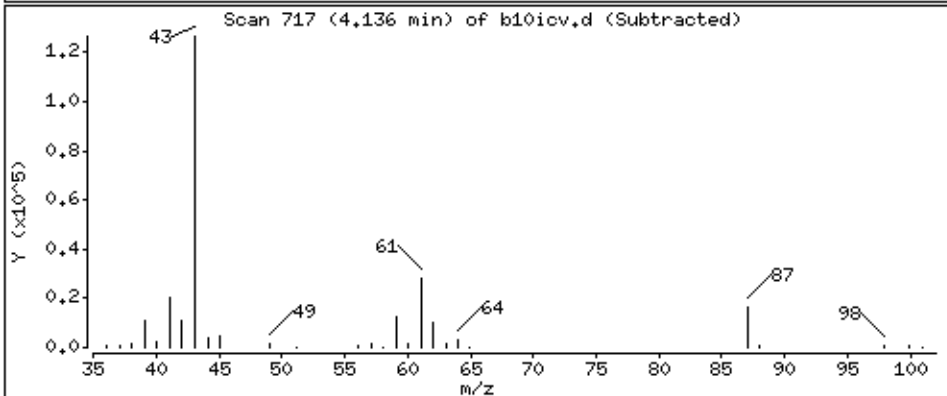
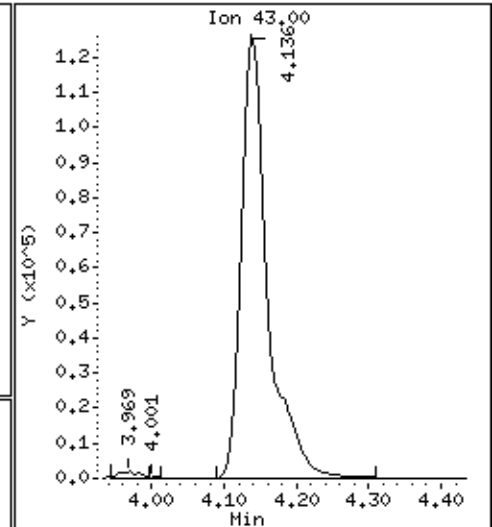
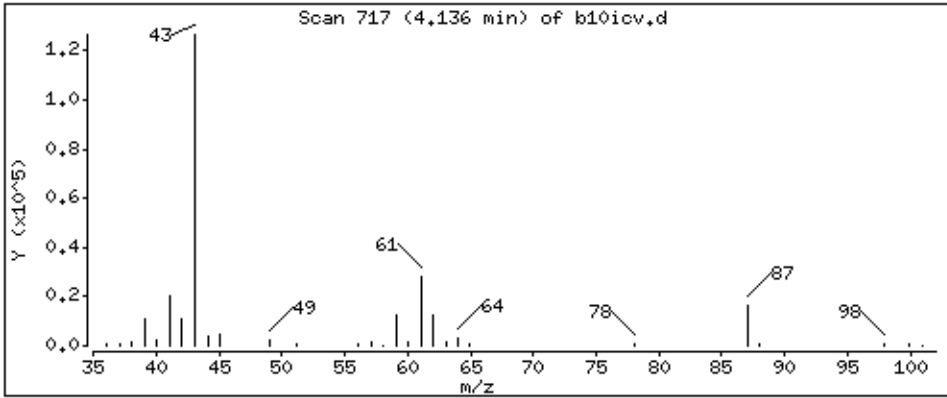
Operator: grm

Column phase: DB-624

Column diameter: 0,18

44 Isobutyl alcohol

Concentration: 320 ppb



Date : 19-JUN-2014 19:08

Client ID: 8260-ICV,71105;0

Instrument: 50mv1b.i

Sample Info: 8260-ICV,71105;0

Purge Volume: 5.0

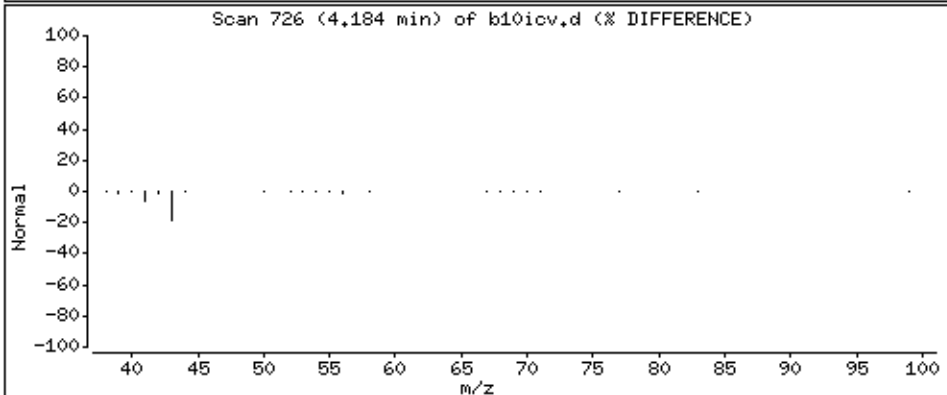
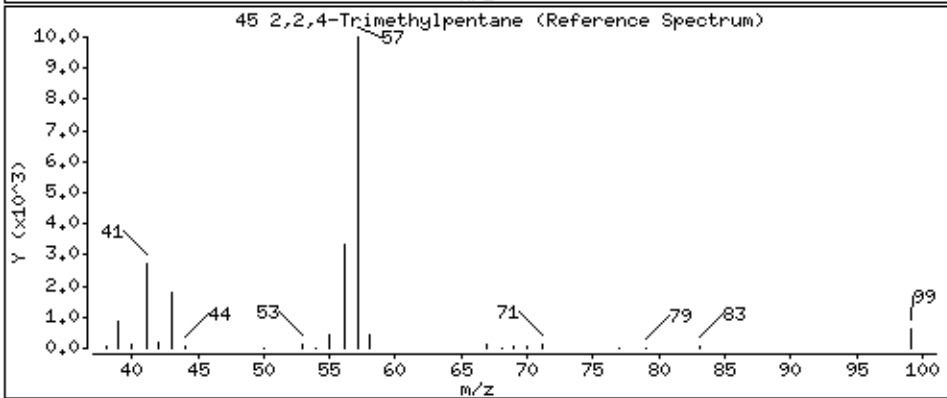
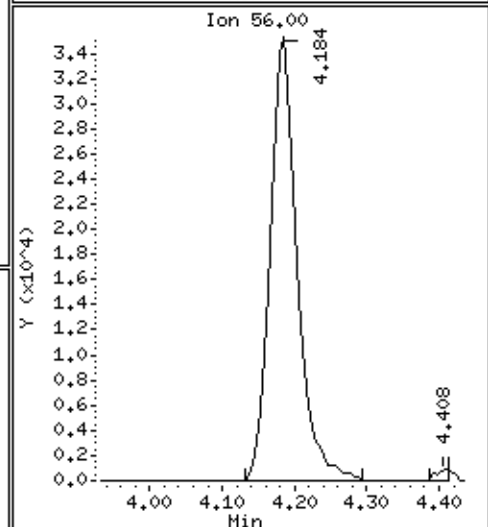
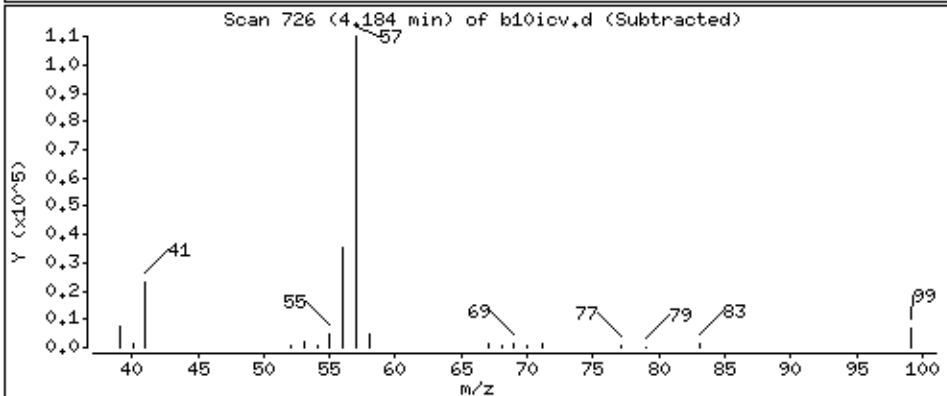
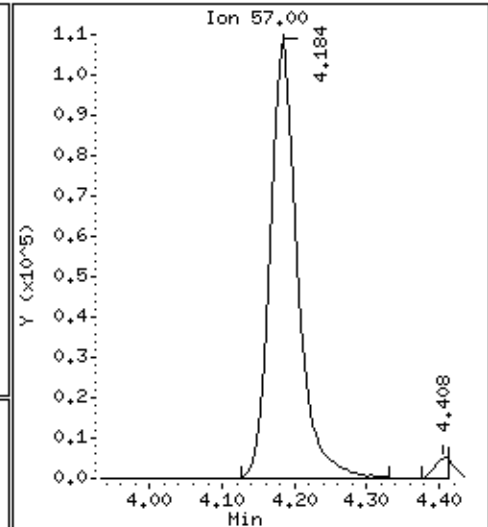
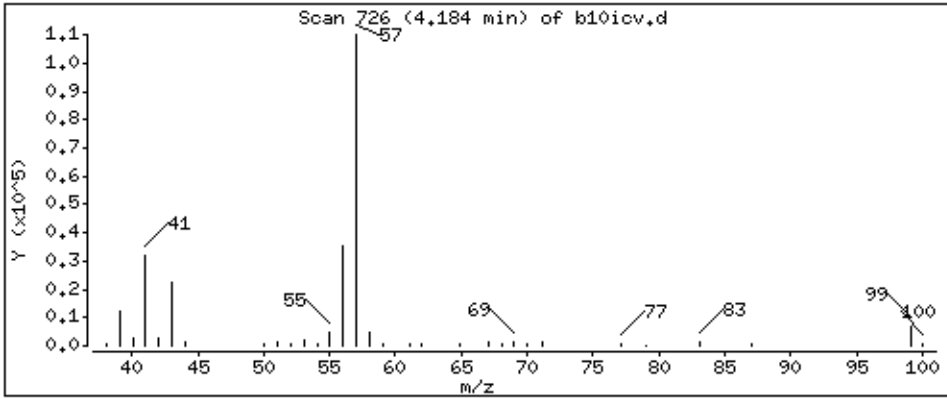
Operator: grm

Column phase: DB-624

Column diameter: 0,18

45 2,2,4-Trimethylpentane

Concentration: 51.4 ppb



Date : 19-JUN-2014 19:08

Client ID: 8260-ICV,71105;0

Instrument: 50mv1b.i

Sample Info: 8260-ICV,71105;0

Purge Volume: 5.0

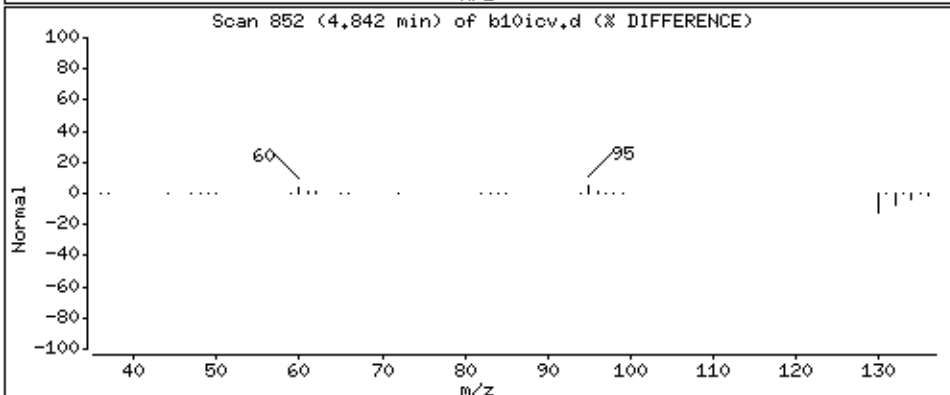
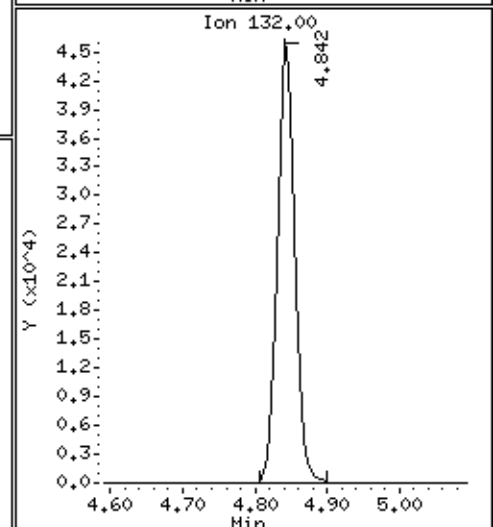
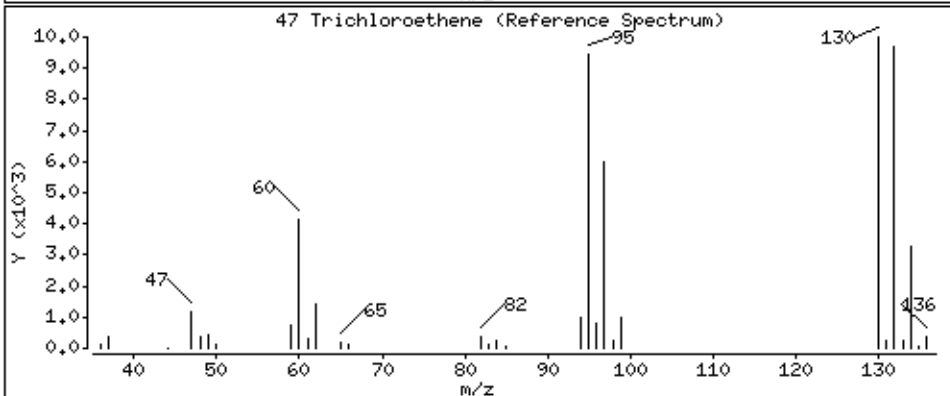
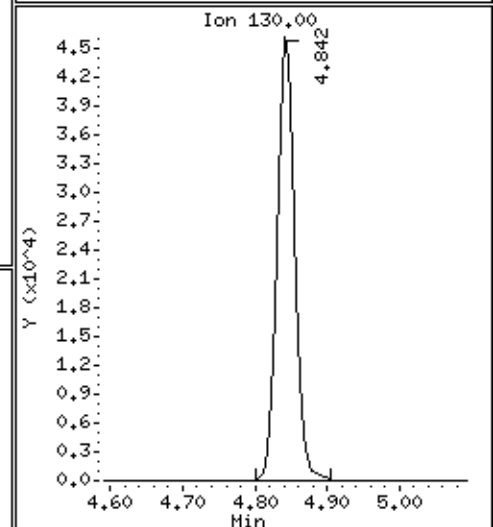
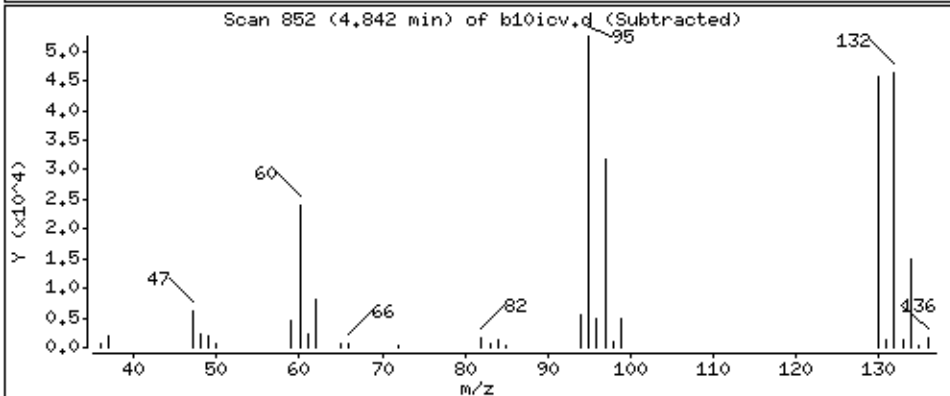
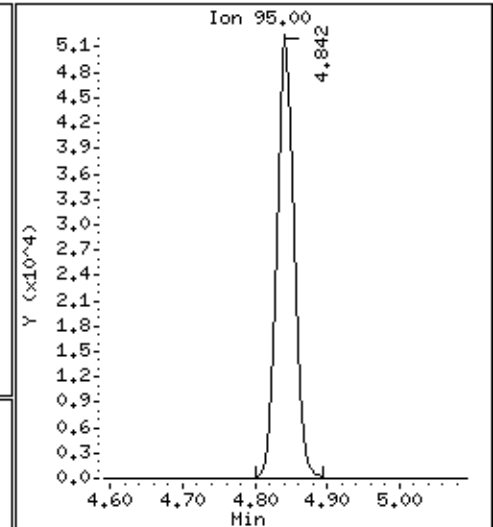
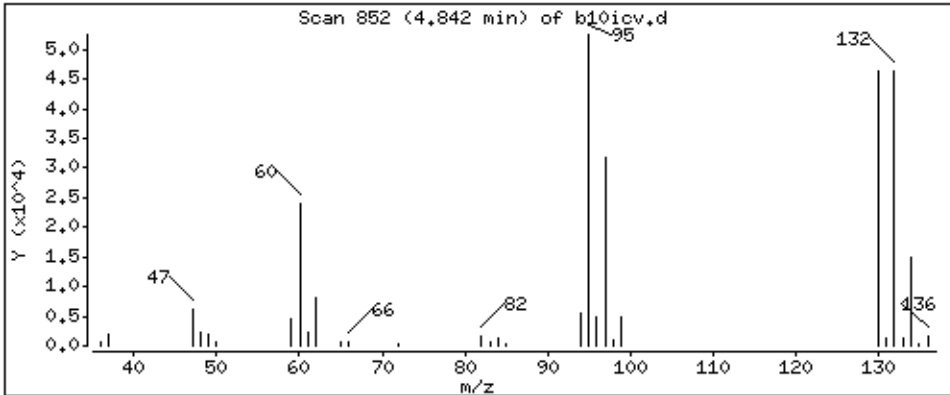
Operator: grm

Column phase: DB-624

Column diameter: 0,18

47 Trichloroethene

Concentration: 51.1 ppb



Date : 19-JUN-2014 19:08

Client ID: 8260-ICV,71105;0

Instrument: 50mv1b.i

Sample Info: 8260-ICV,71105;0

Purge Volume: 5.0

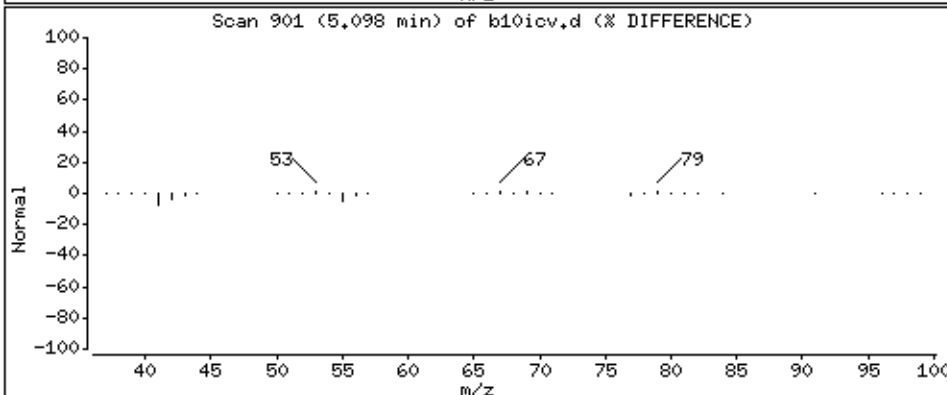
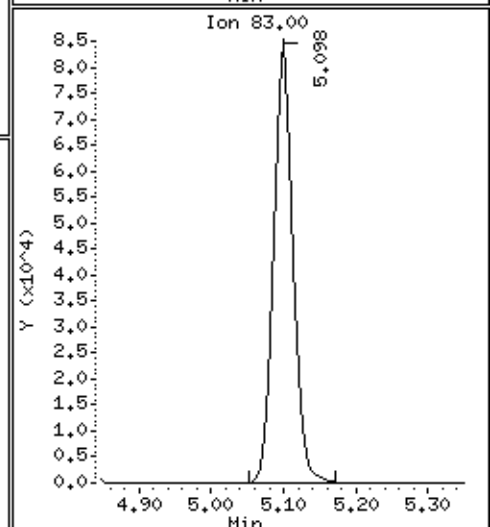
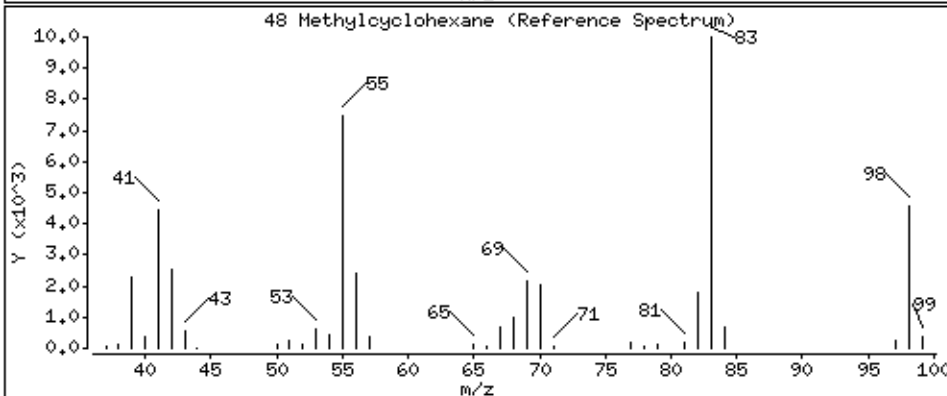
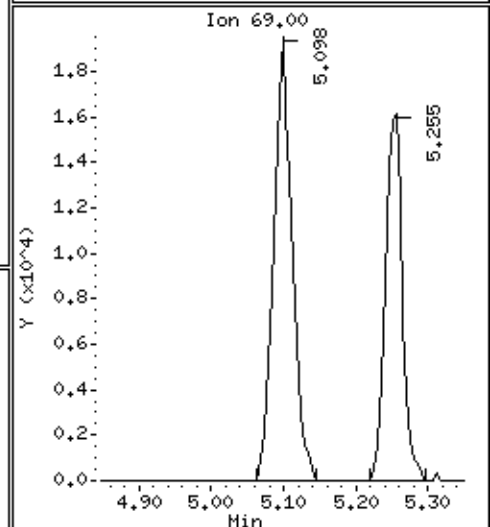
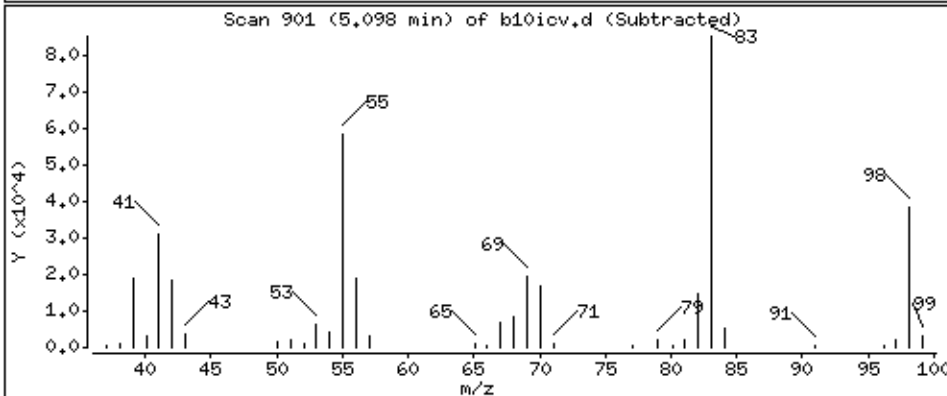
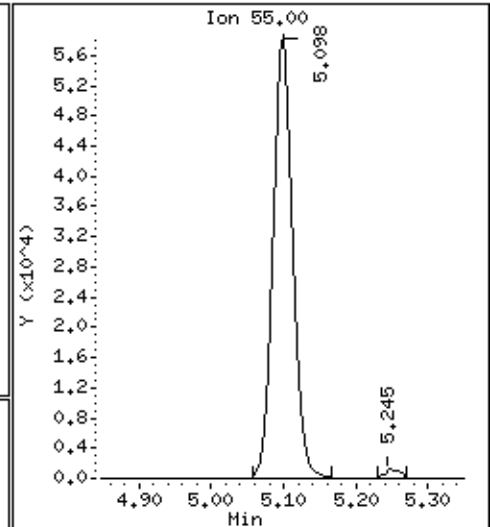
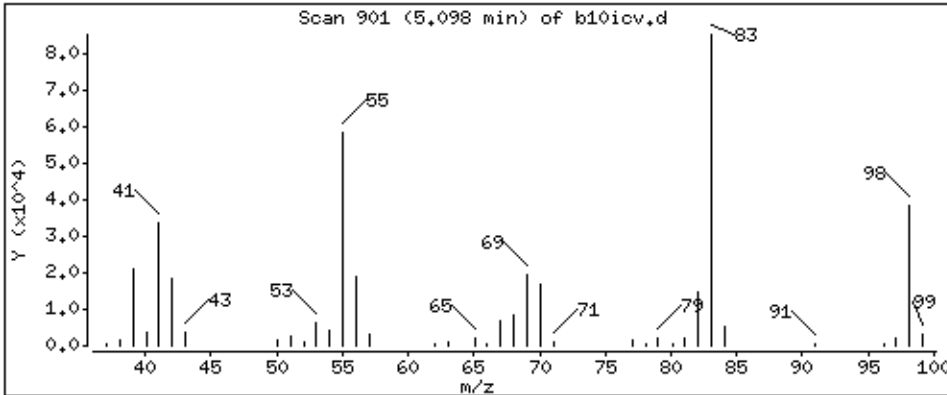
Operator: grm

Column phase: DB-624

Column diameter: 0,18

48 Methylcyclohexane

Concentration: 55,4 ppb



Date : 19-JUN-2014 19:08

Client ID: 8260-ICV,71105;0

Instrument: 50mv1b.i

Sample Info: 8260-ICV,71105;0

Purge Volume: 5.0

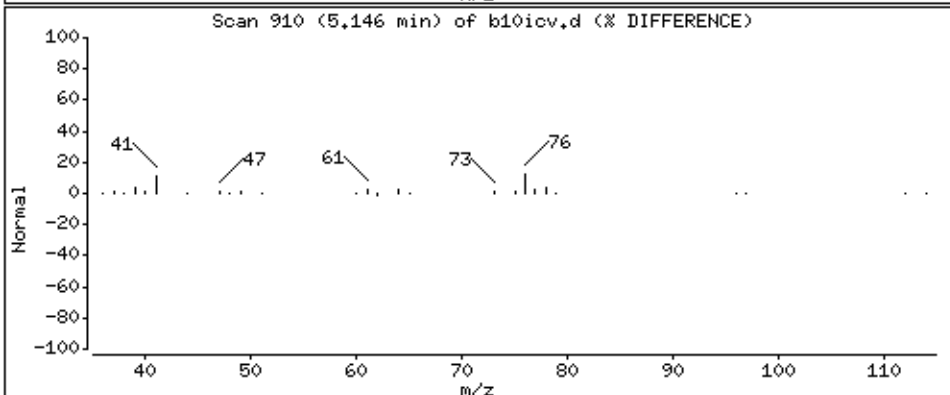
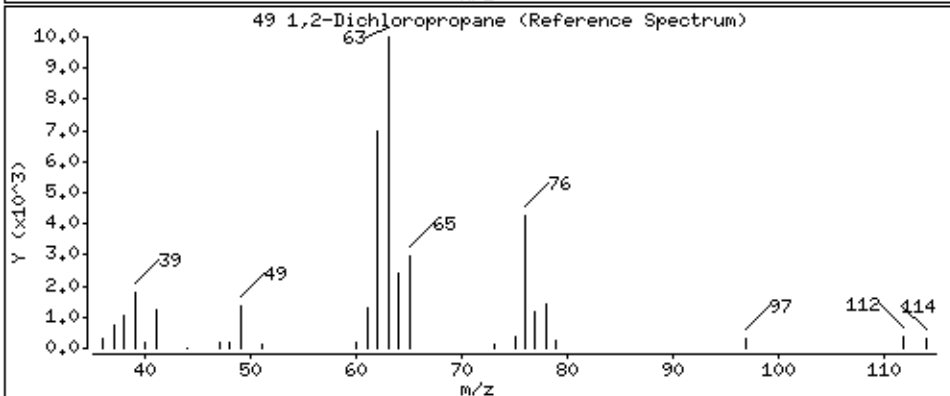
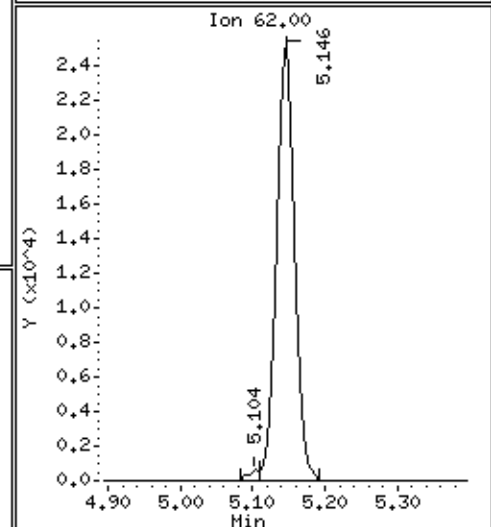
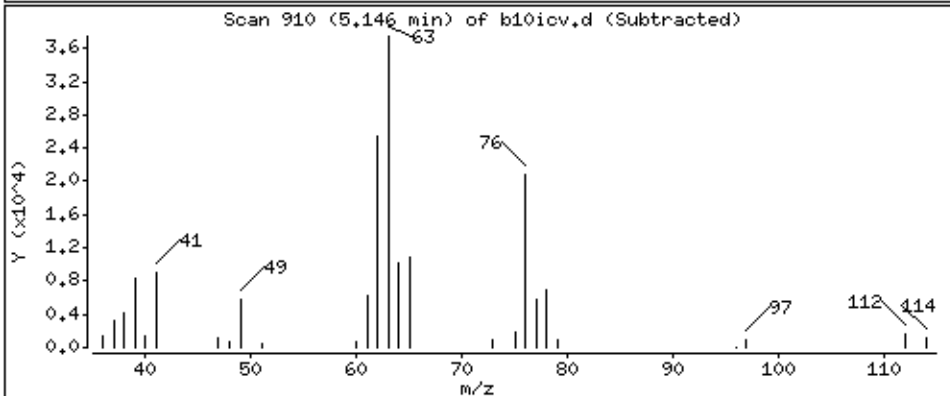
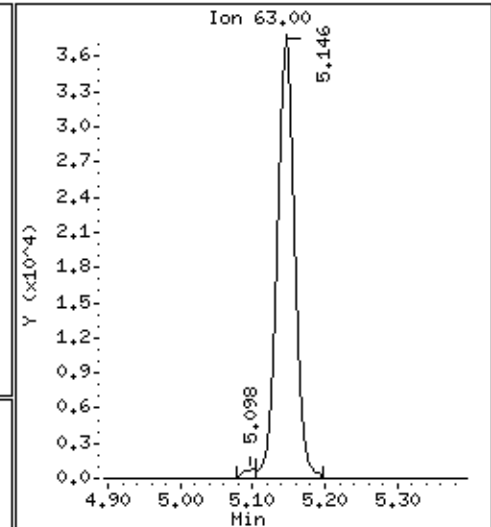
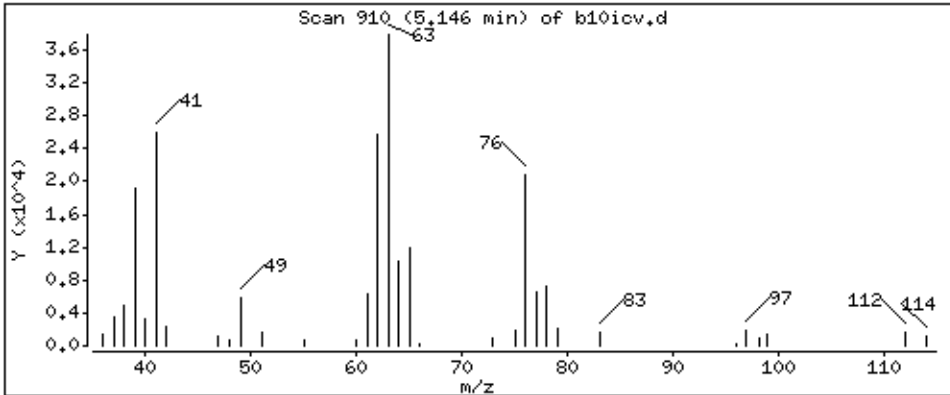
Operator: grm

Column phase: DB-624

Column diameter: 0,18

49 1,2-Dichloropropane

Concentration: 49.1 ppb



Date : 19-JUN-2014 19:08

Client ID: 8260-ICV,71105;0

Instrument: 50mv1b.i

Sample Info: 8260-ICV,71105;0

Purge Volume: 5.0

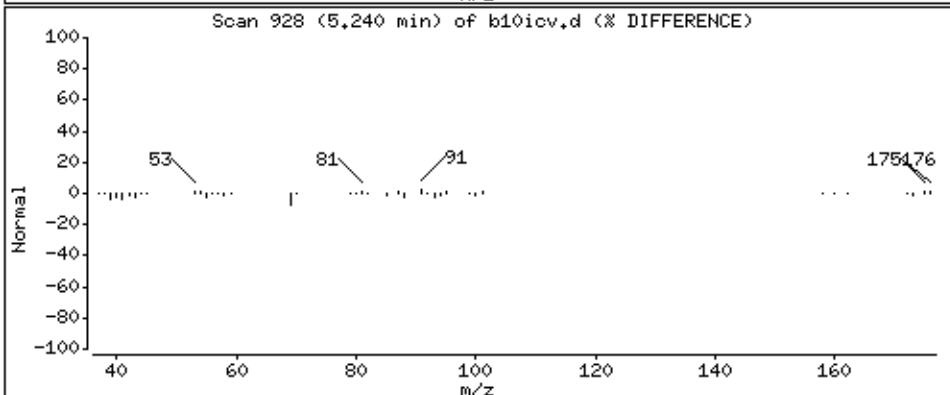
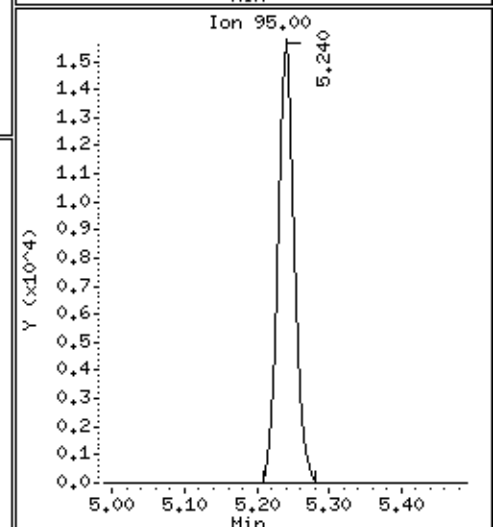
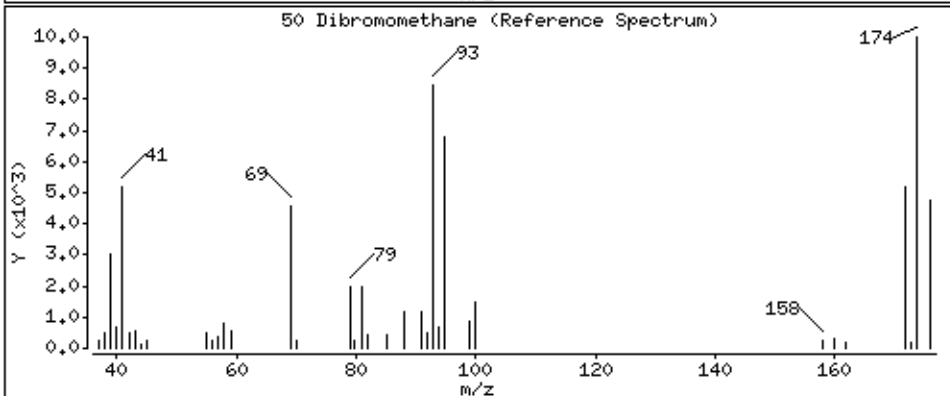
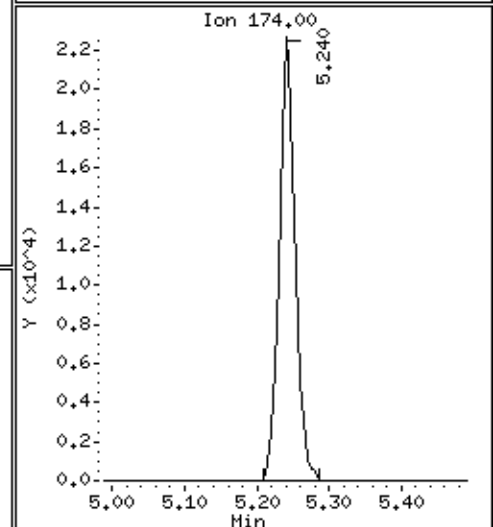
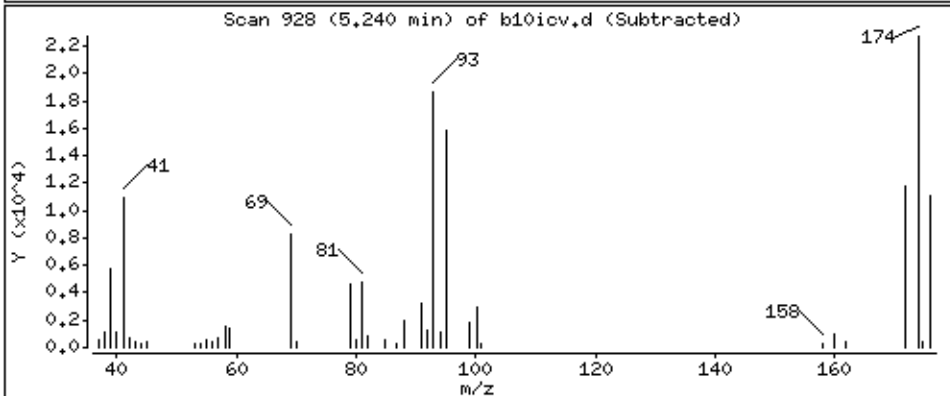
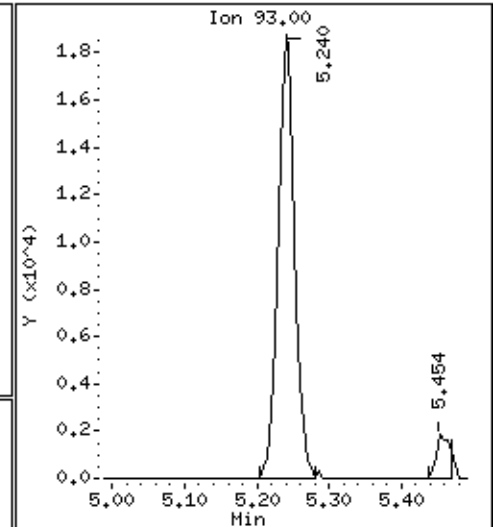
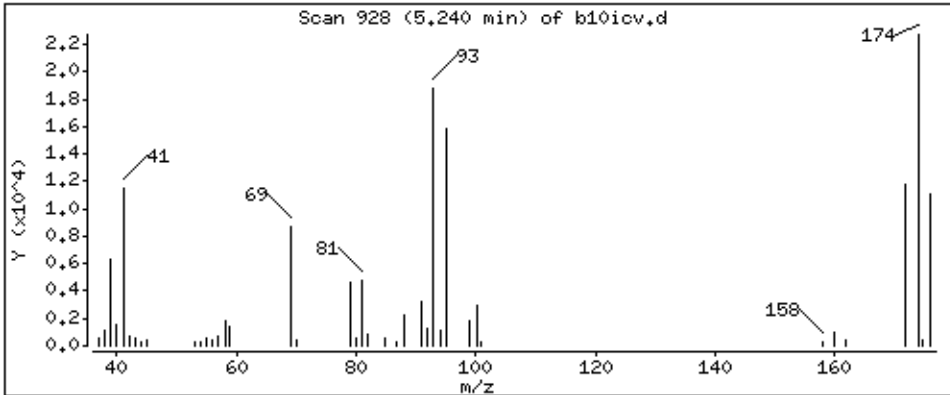
Operator: grm

Column phase: DB-624

Column diameter: 0,18

50 Dibromomethane

Concentration: 48,6 ppb



Date : 19-JUN-2014 19:08

Client ID: 8260-ICV,71105:0

Instrument: 50mv1b.i

Sample Info: 8260-ICV,71105:0

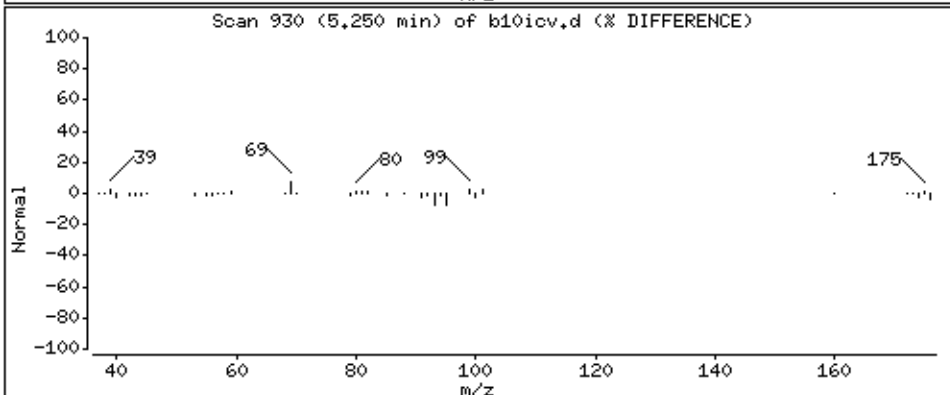
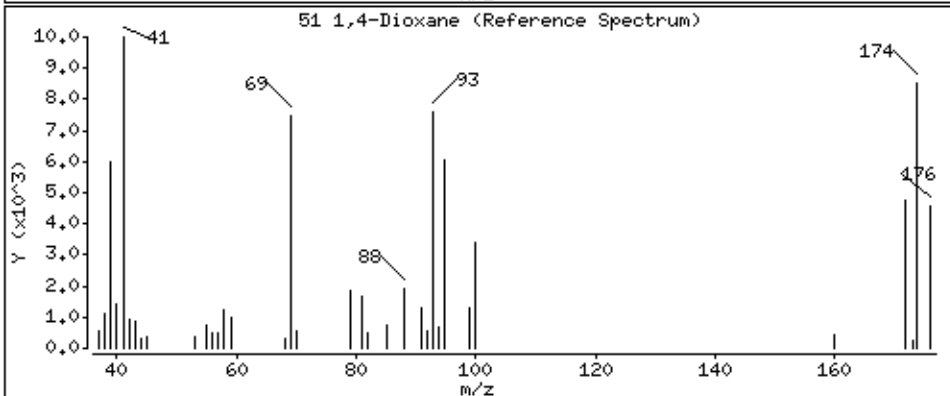
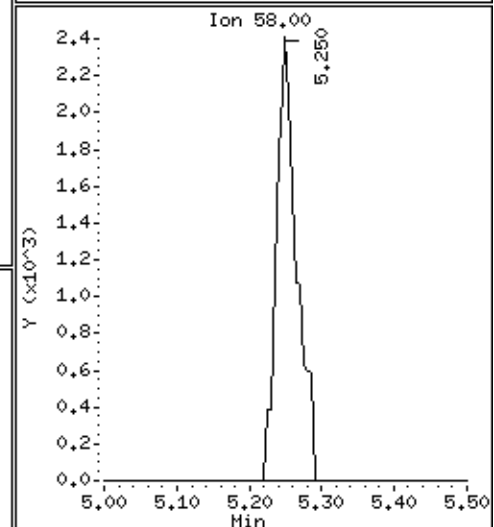
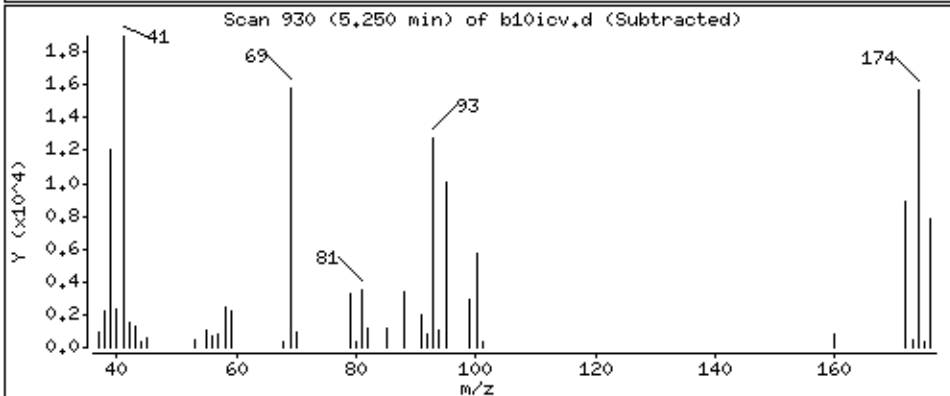
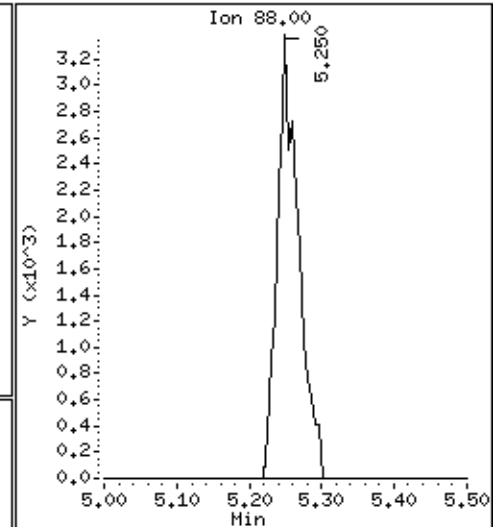
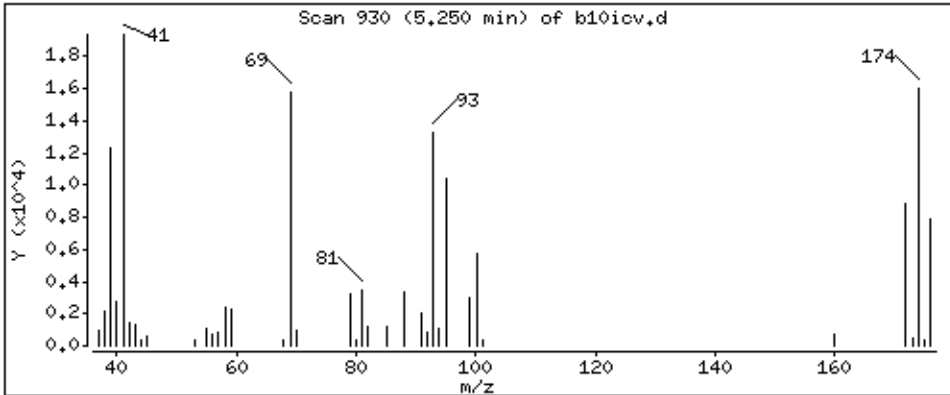
Purge Volume: 5.0

Operator: grm

Column phase: DB-624

Column diameter: 0,18

51 1,4-Dioxane



Date : 19-JUN-2014 19:08

Client ID: 8260-ICV,71105;0

Instrument: 50mv1b.i

Sample Info: 8260-ICV,71105;0

Purge Volume: 5.0

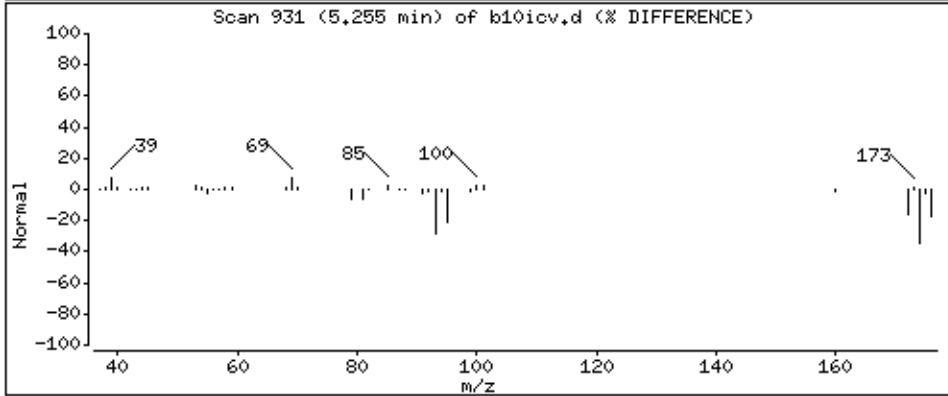
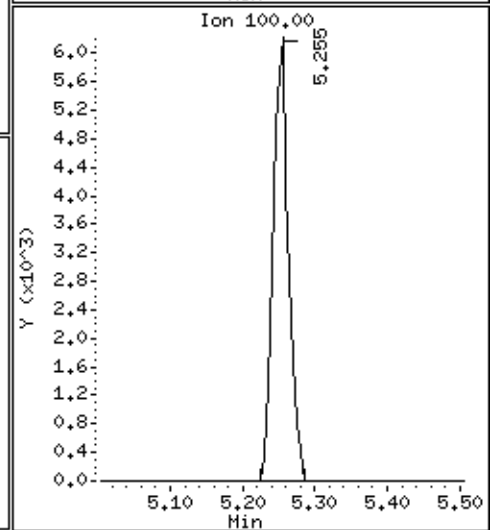
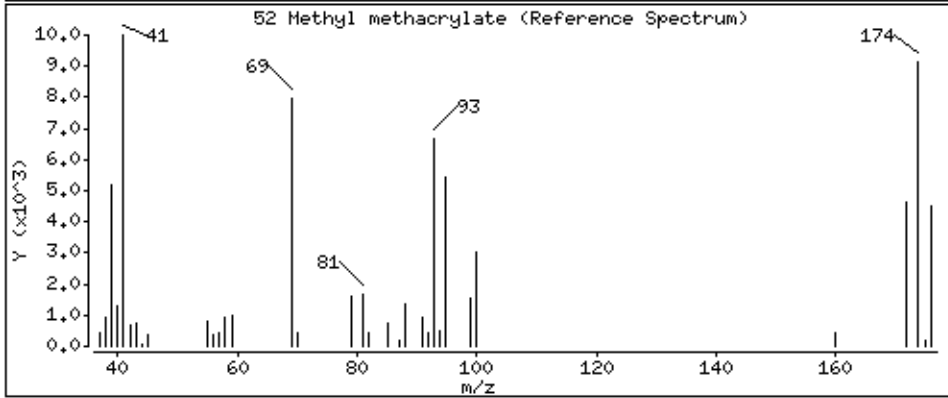
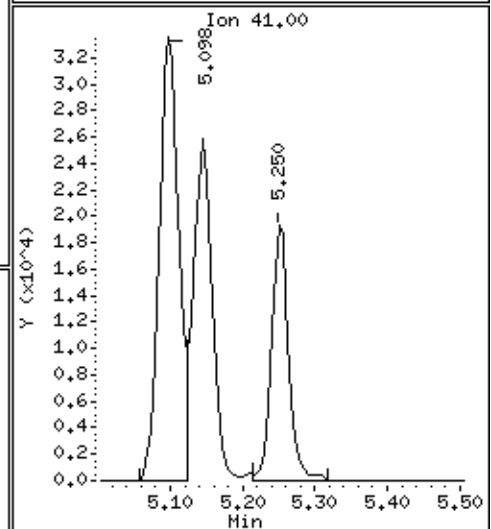
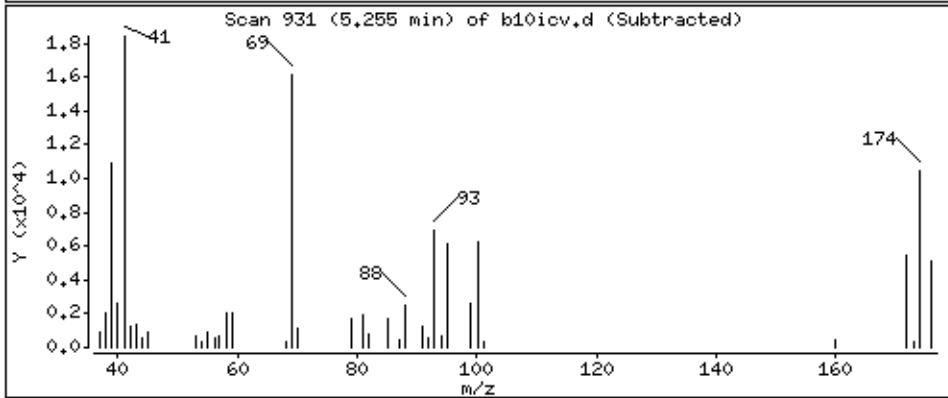
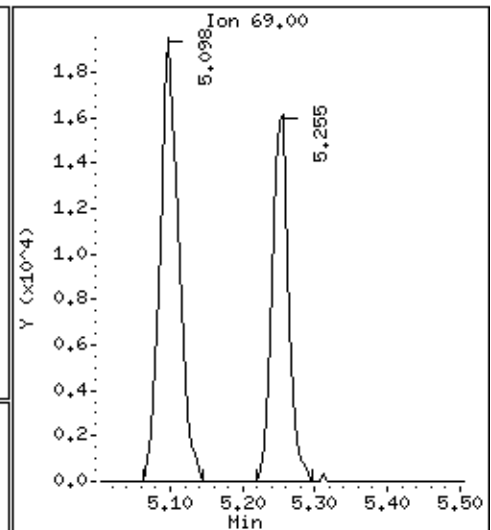
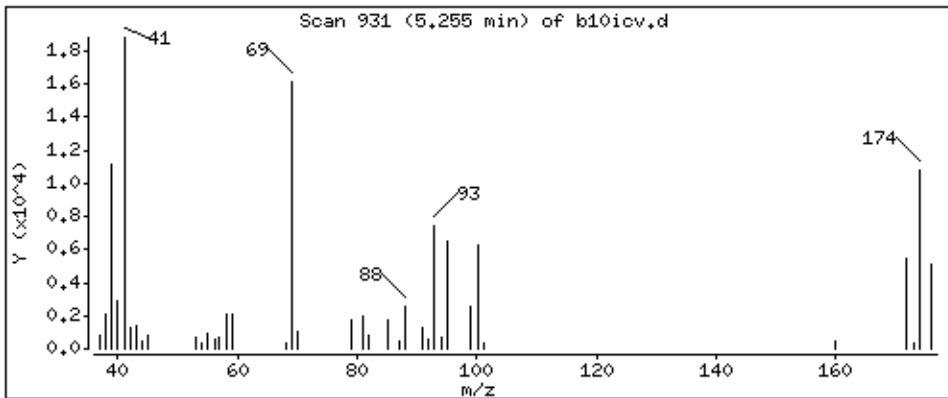
Operator: grm

Column phase: DB-624

Column diameter: 0,18

52 Methyl methacrylate

Concentration: 53,4 ppb



Date : 19-JUN-2014 19:08

Client ID: 8260-ICV,71105;0

Instrument: 50mv1b.i

Sample Info: 8260-ICV,71105;0

Purge Volume: 5.0

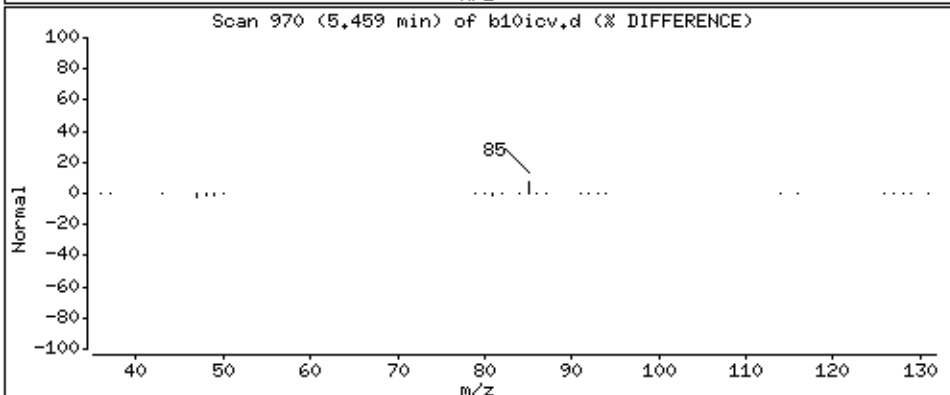
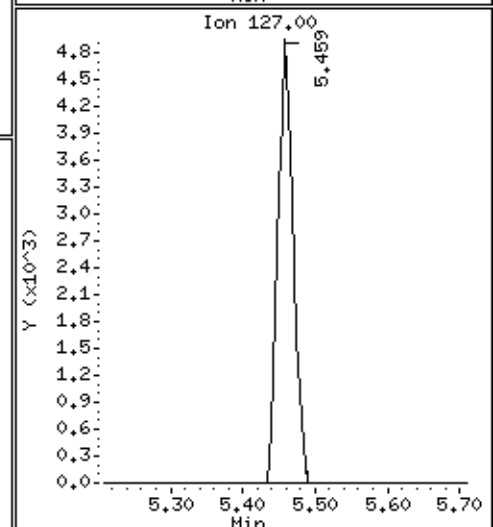
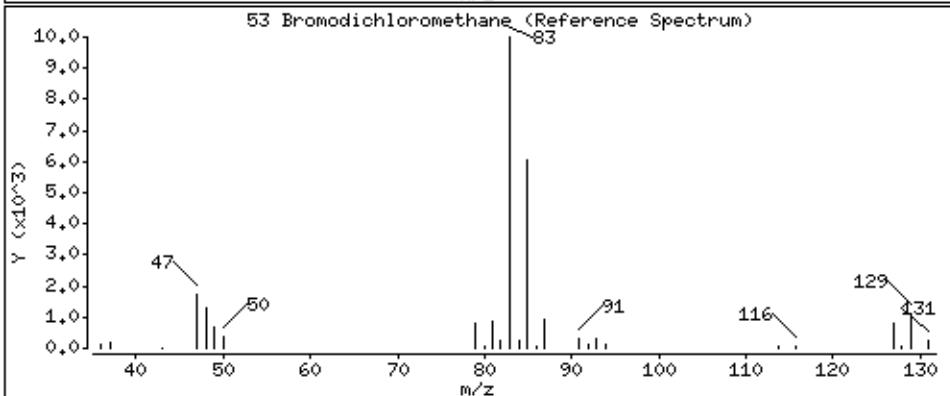
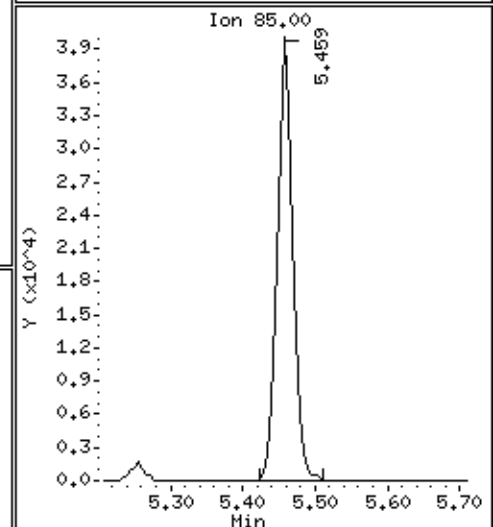
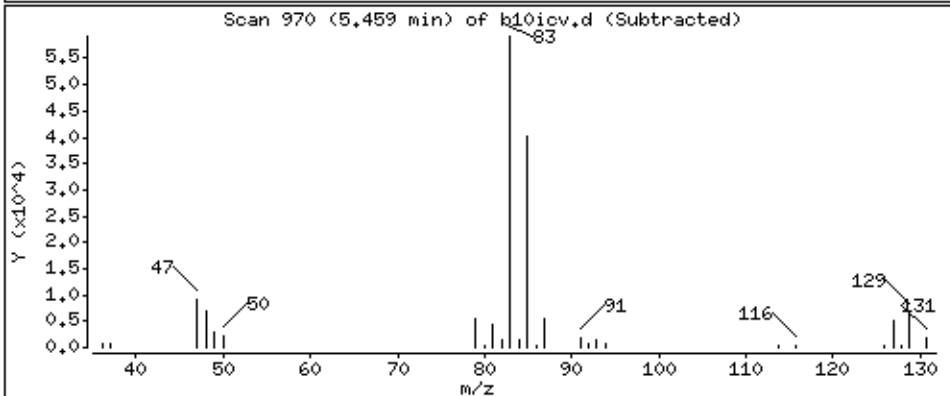
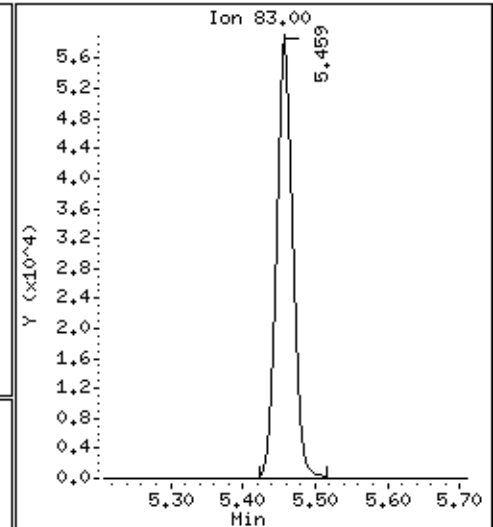
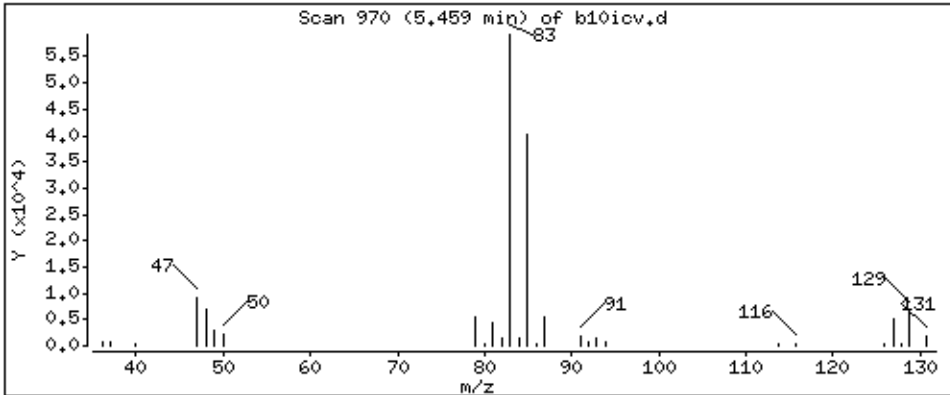
Operator: grm

Column phase: DB-624

Column diameter: 0,18

53 Bromodichloromethane

Concentration: 50,2 ppb



Date : 19-JUN-2014 19:08

Client ID: 8260-ICV,71105;0

Instrument: 50mv1b.i

Sample Info: 8260-ICV,71105;0

Purge Volume: 5.0

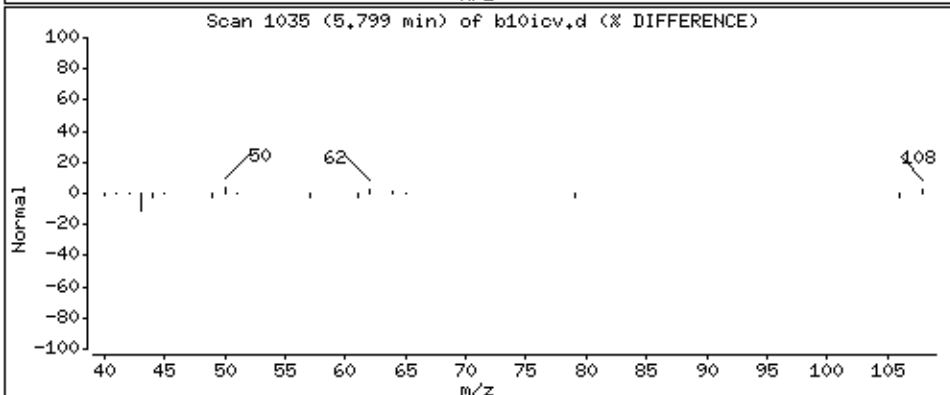
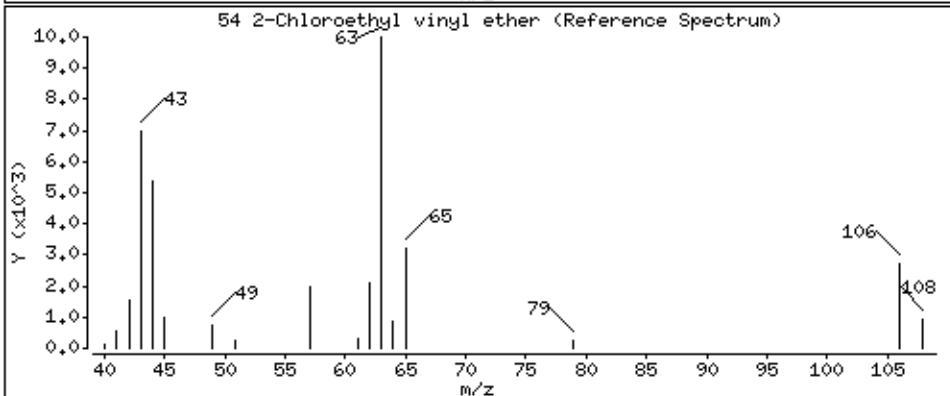
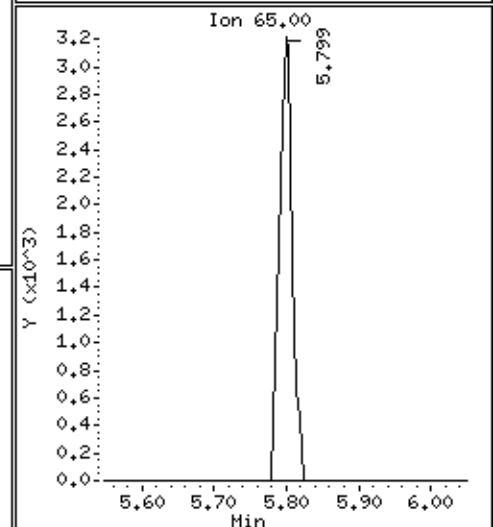
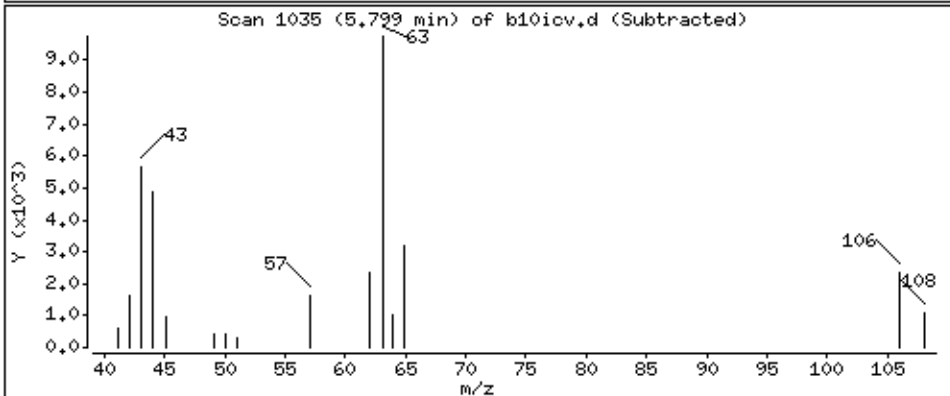
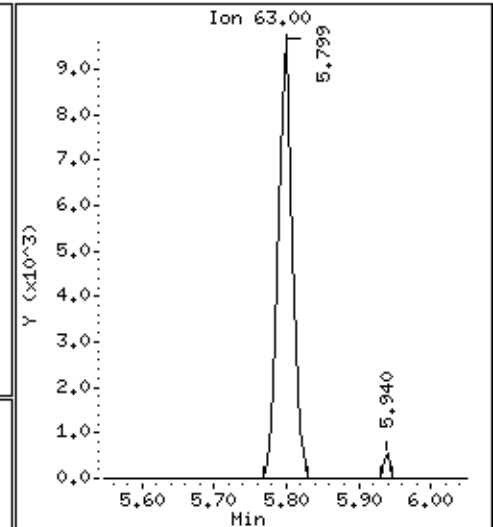
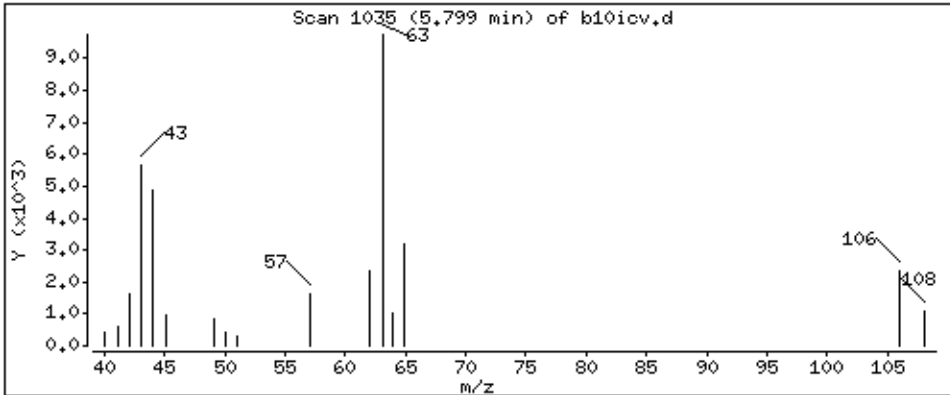
Operator: grm

Column phase: DB-624

Column diameter: 0,18

54 2-Chloroethyl vinyl ether

Concentration: 59.2 ppb



Date : 19-JUN-2014 19:08

Client ID: 8260-ICV,71105;0

Instrument: 50mv1b.i

Sample Info: 8260-ICV,71105;0

Purge Volume: 5.0

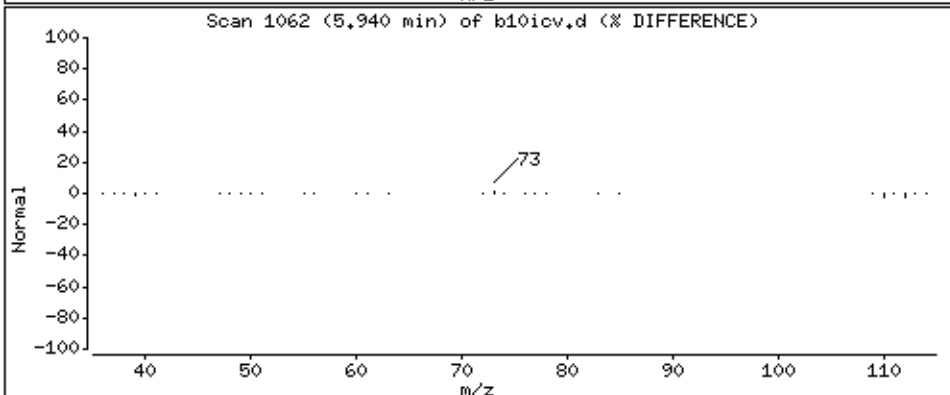
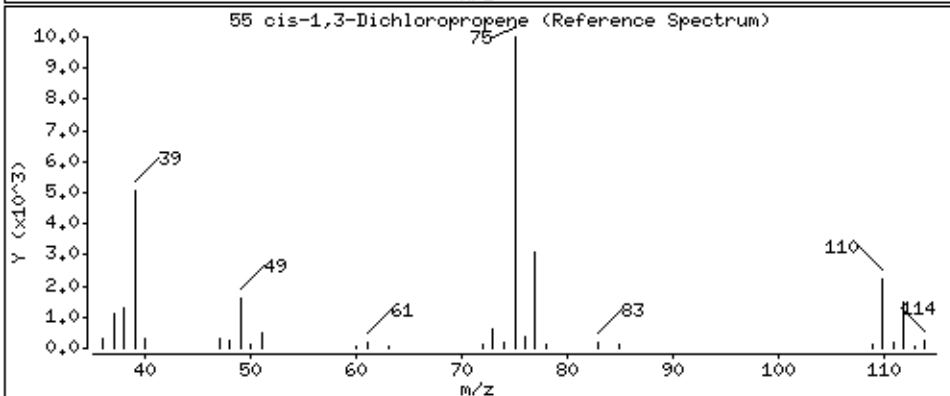
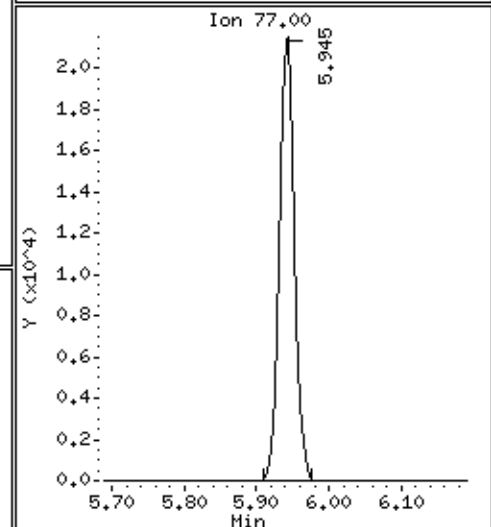
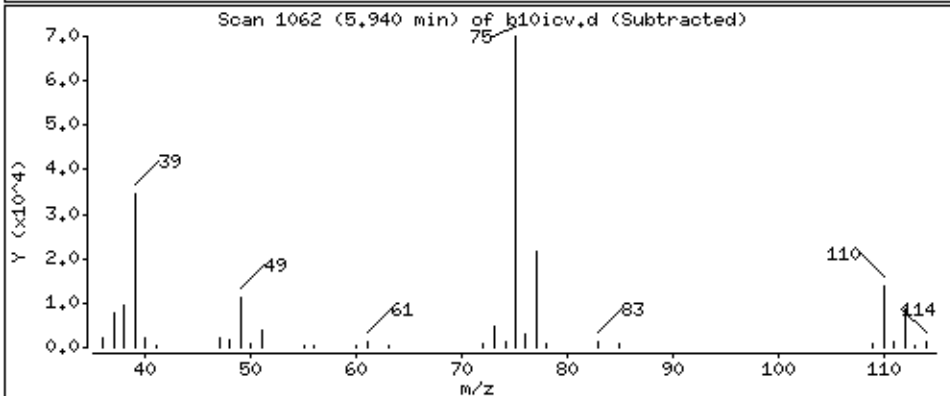
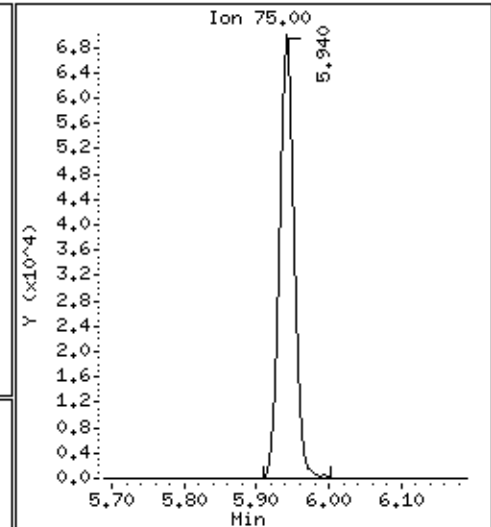
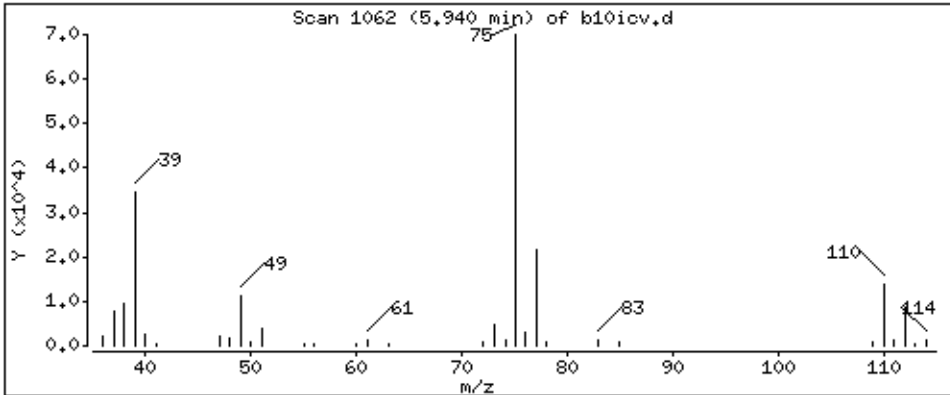
Operator: grm

Column phase: DB-624

Column diameter: 0,18

55 cis-1,3-Dichloropropene

Concentration: 52.3 ppb



Date : 19-JUN-2014 19:08

Client ID: 8260-ICV,71105;0

Instrument: 50mv1b.i

Sample Info: 8260-ICV,71105;0

Purge Volume: 5.0

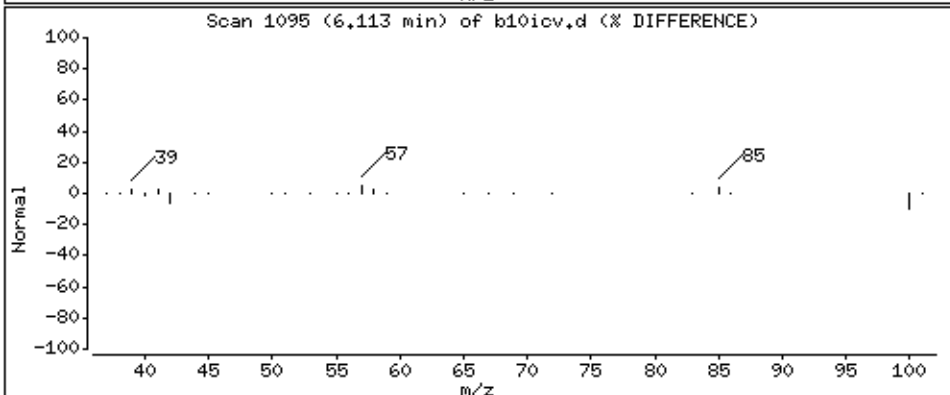
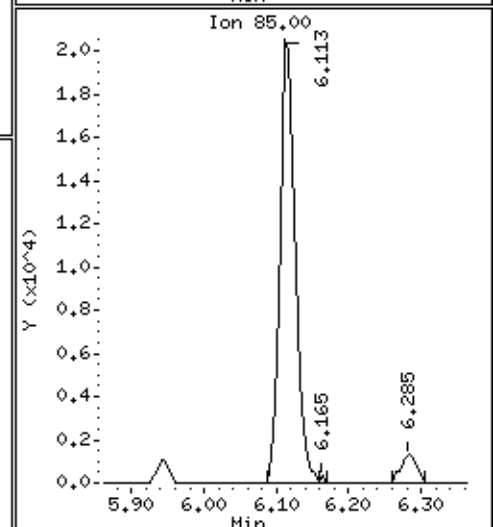
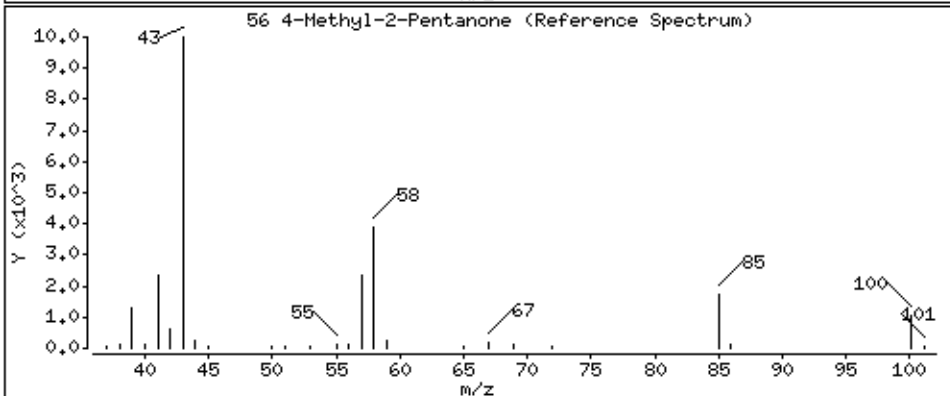
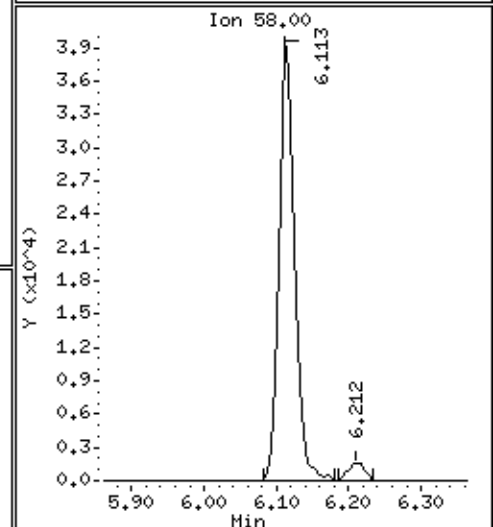
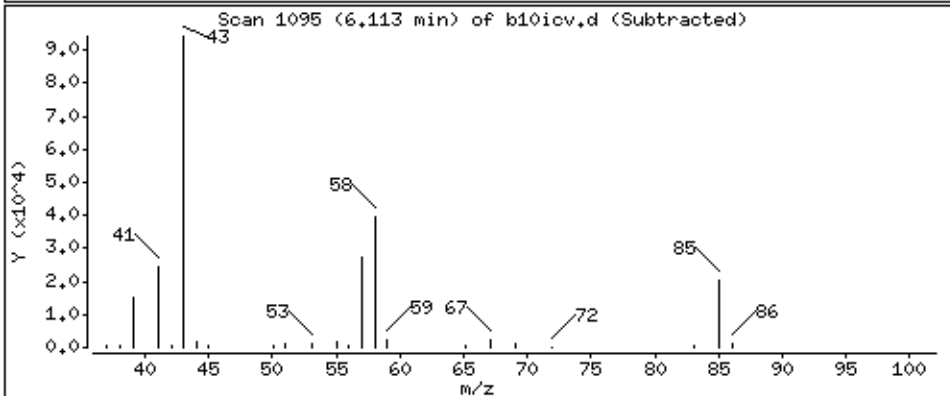
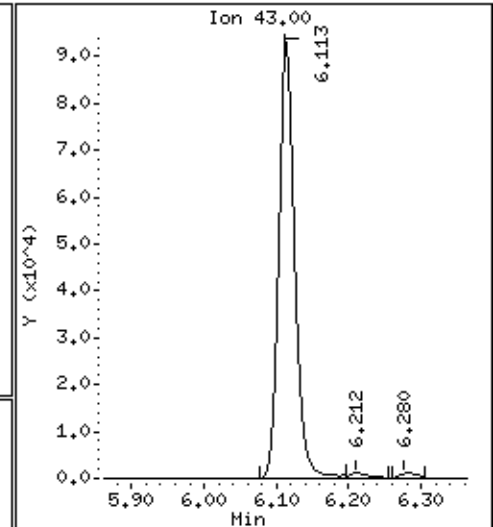
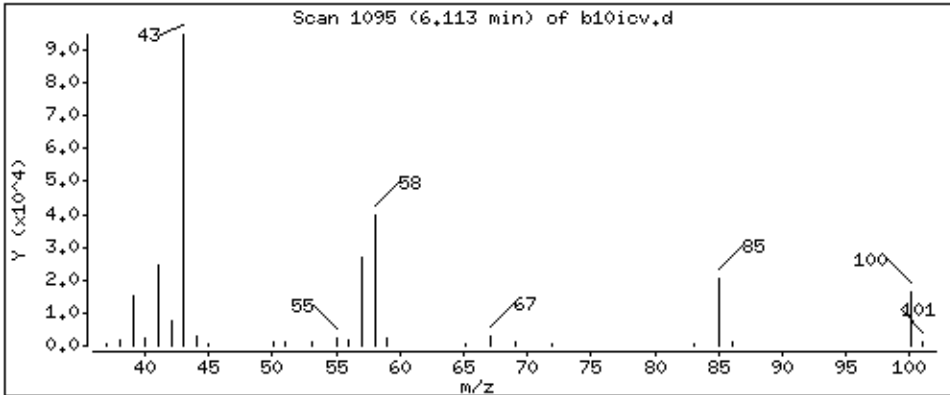
Operator: grm

Column phase: DB-624

Column diameter: 0,18

56 4-Methyl-2-Pentanone

Concentration: 266 ppb



Date : 19-JUN-2014 19:08

Client ID: 8260-ICV,71105;0

Instrument: 50mv1b.i

Sample Info: 8260-ICV,71105;0

Purge Volume: 5.0

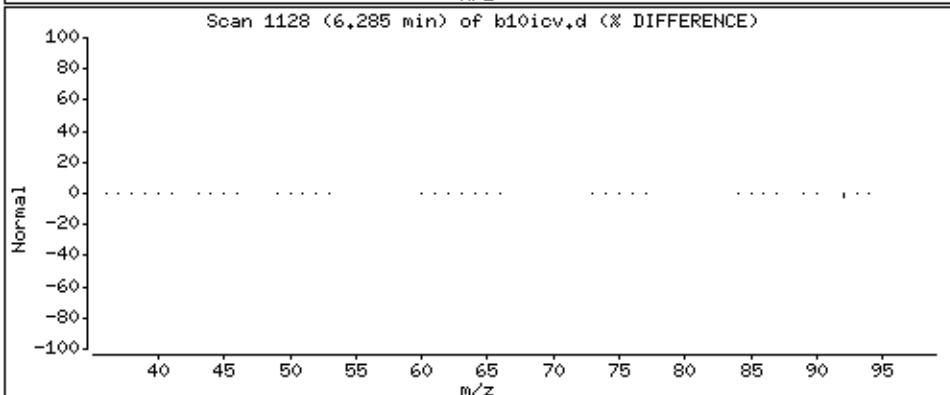
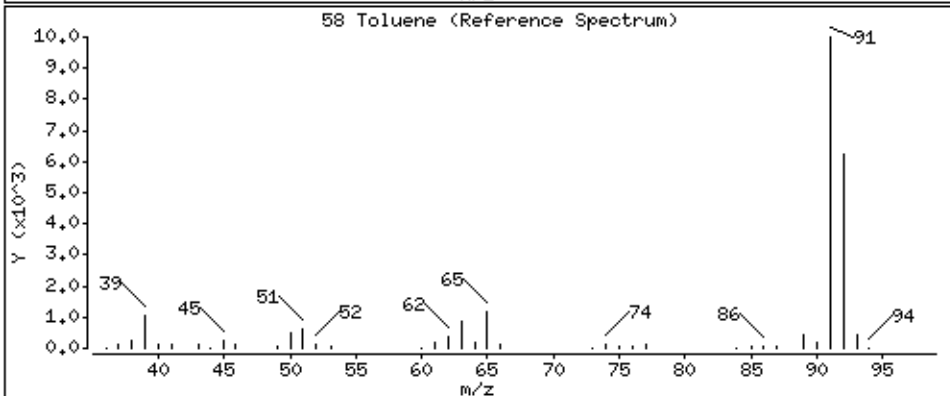
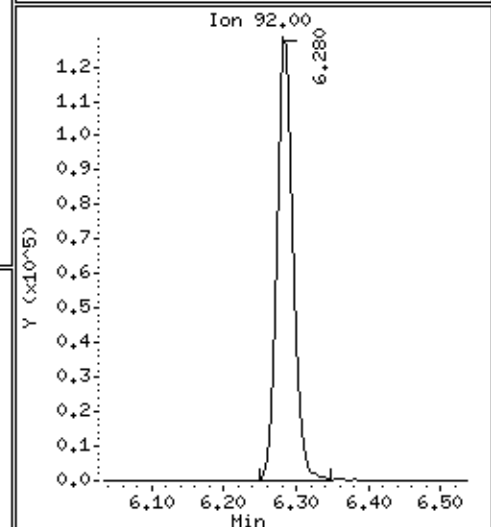
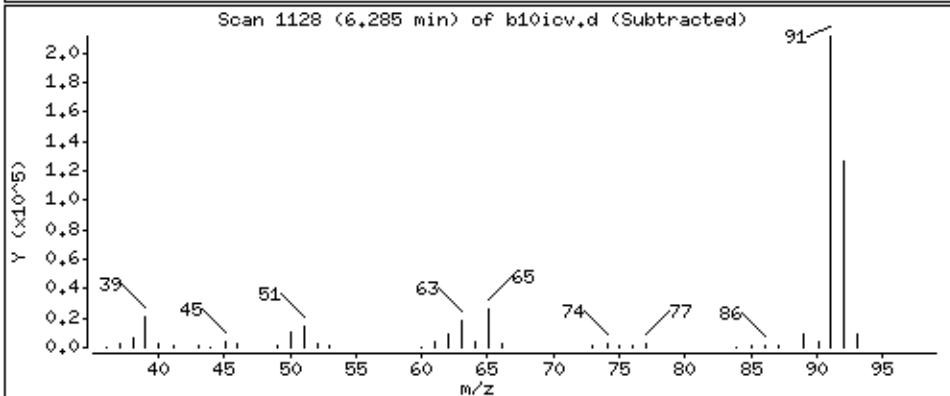
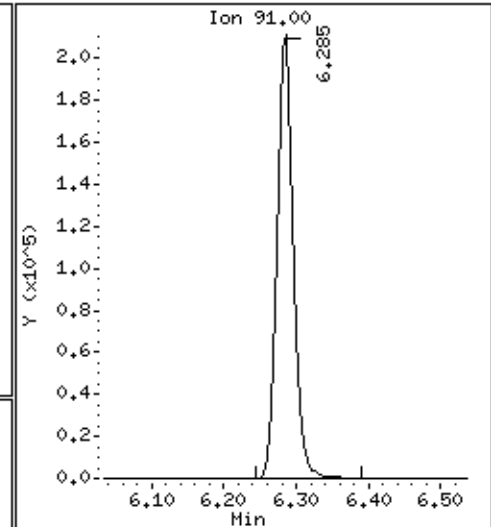
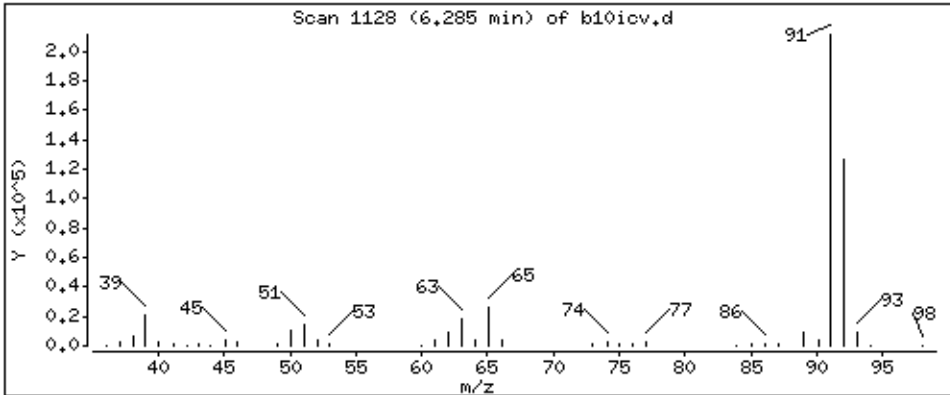
Operator: grm

Column phase: DB-624

Column diameter: 0,18

58 Toluene

Concentration: 49.2 ppb



Date : 19-JUN-2014 19:08

Client ID: 8260-ICV,71105;0

Instrument: 50mv1b.i

Sample Info: 8260-ICV,71105;0

Purge Volume: 5.0

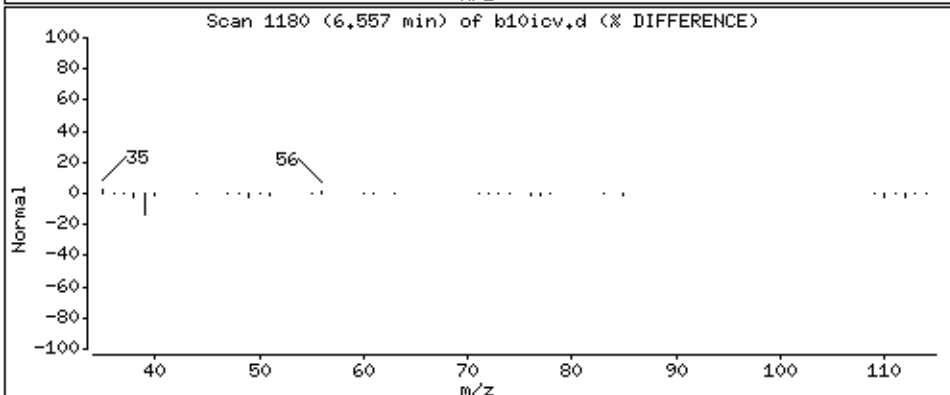
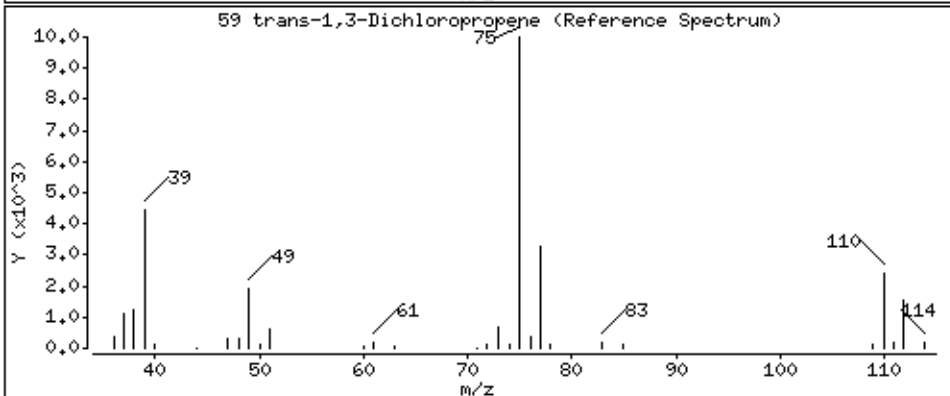
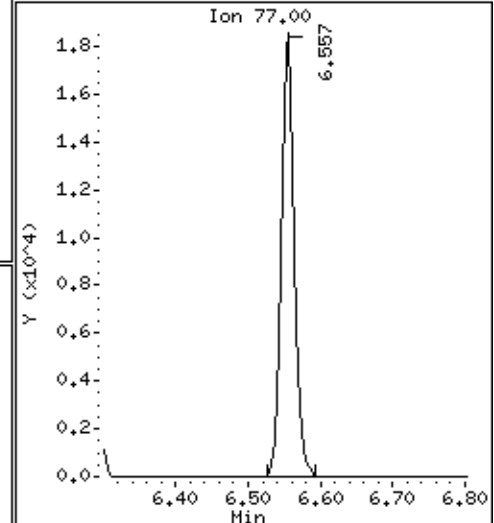
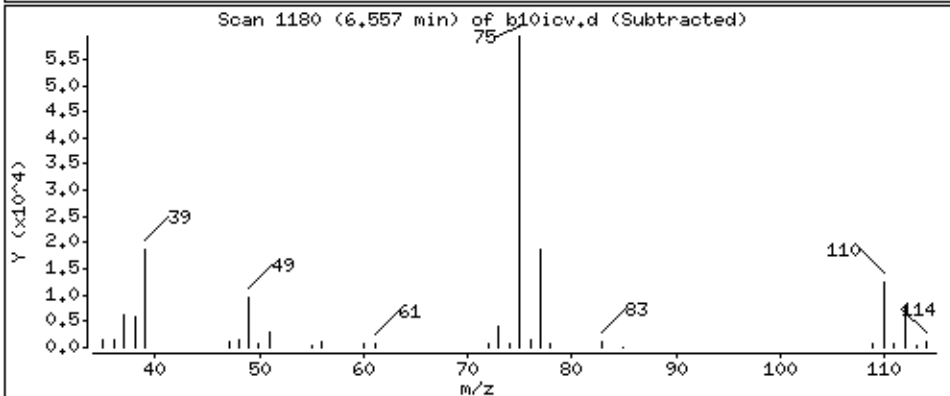
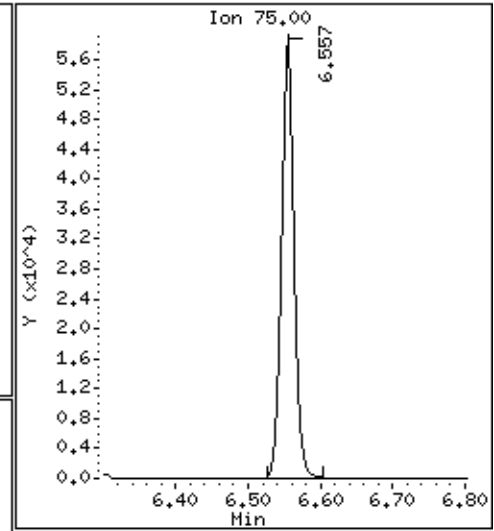
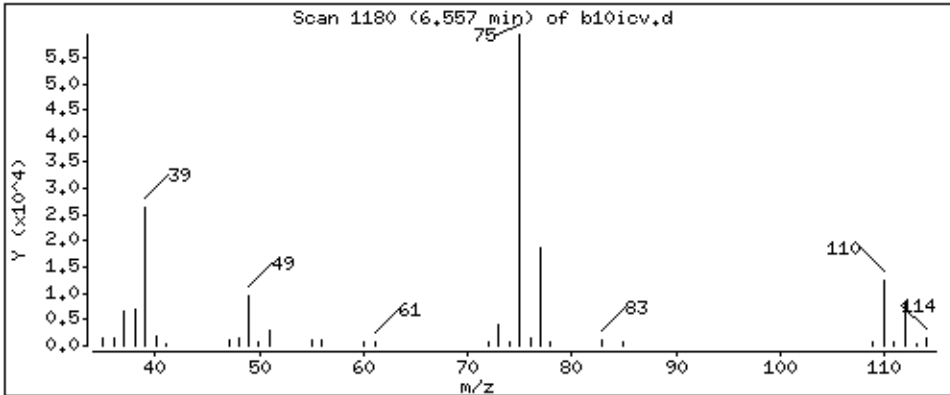
Operator: grm

Column phase: DB-624

Column diameter: 0,18

59 trans-1,3-Dichloropropene

Concentration: 45,6 ppb



Date : 19-JUN-2014 19:08

Client ID: 8260-ICV,71105;0

Instrument: 50mv1b.i

Sample Info: 8260-ICV,71105;0

Purge Volume: 5.0

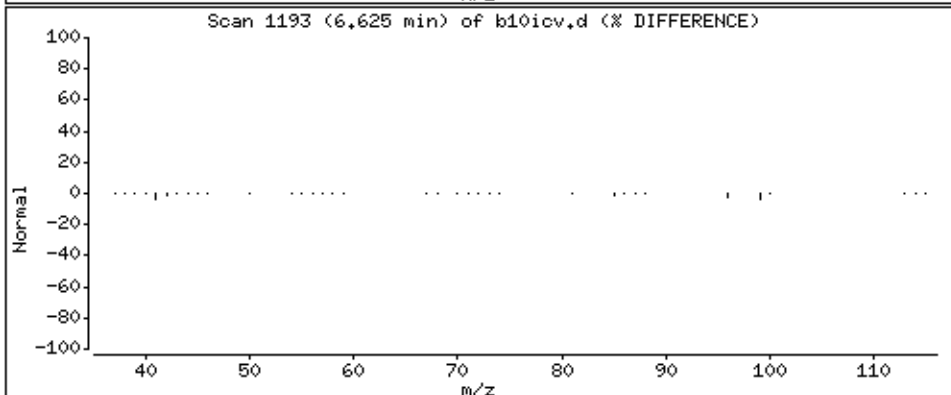
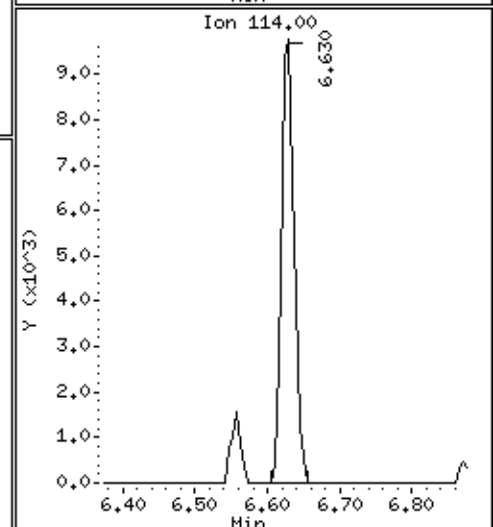
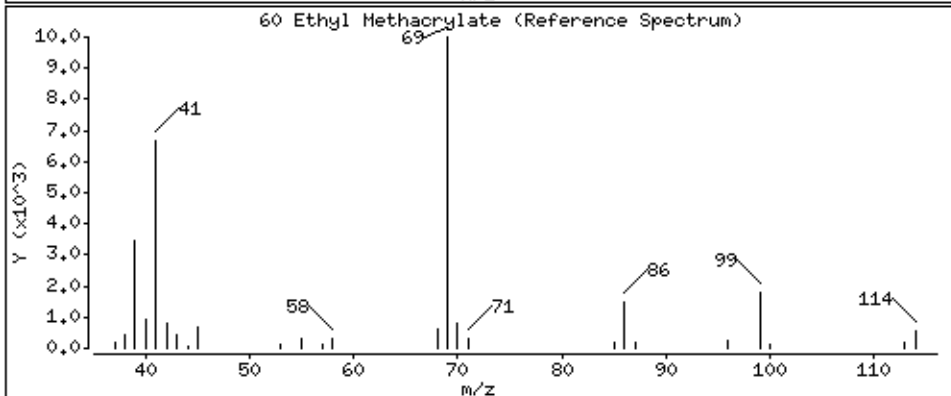
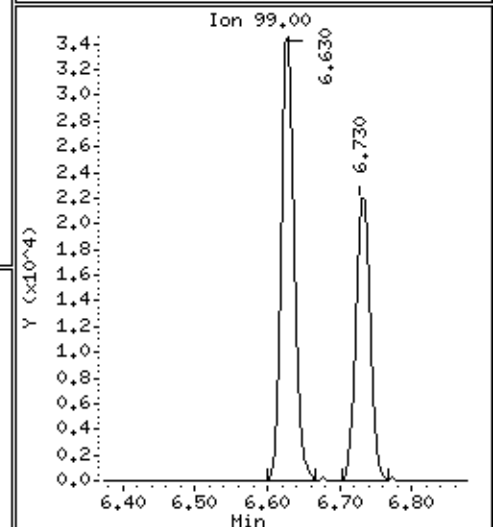
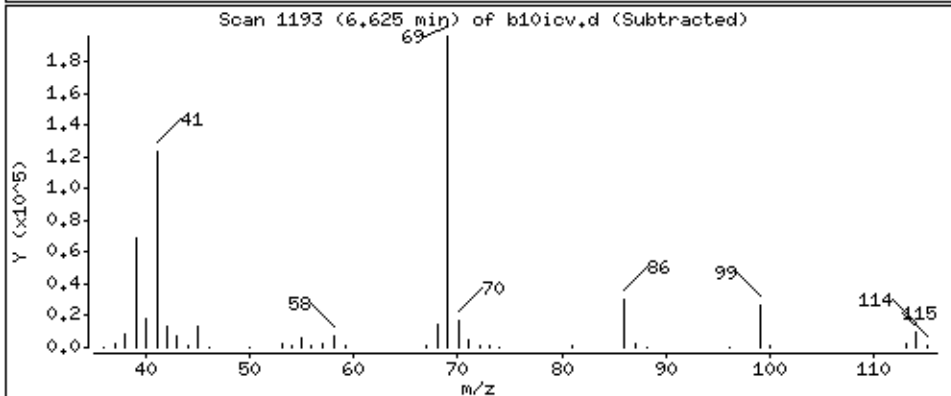
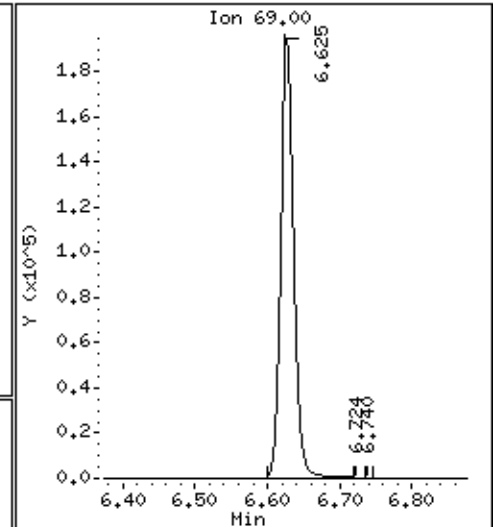
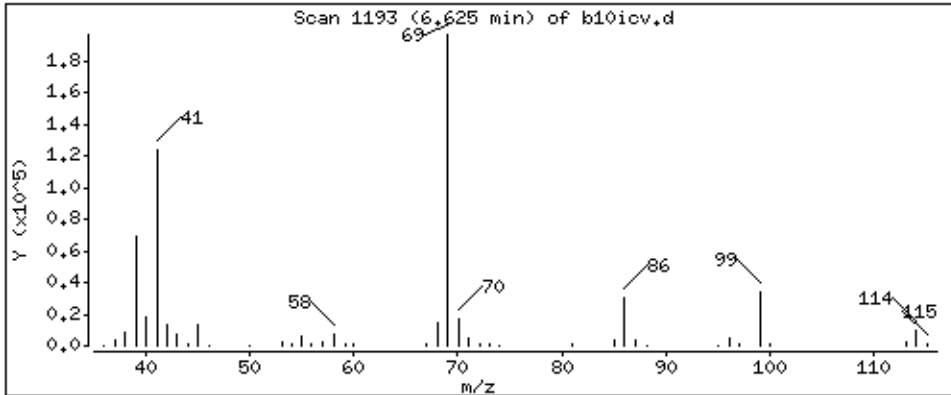
Operator: grm

Column phase: DB-624

Column diameter: 0,18

60 Ethyl Methacrylate

Concentration: 217 ppb



Date : 19-JUN-2014 19:08

Client ID: 8260-ICV,71105;0

Instrument: 50mv1b.i

Sample Info: 8260-ICV,71105;0

Purge Volume: 5.0

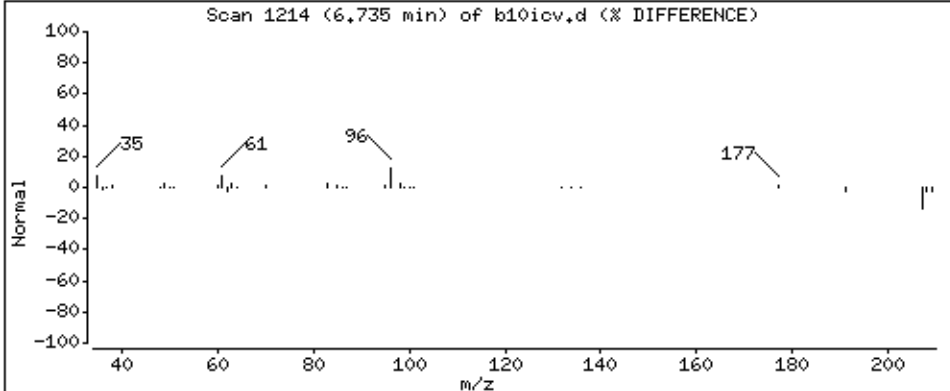
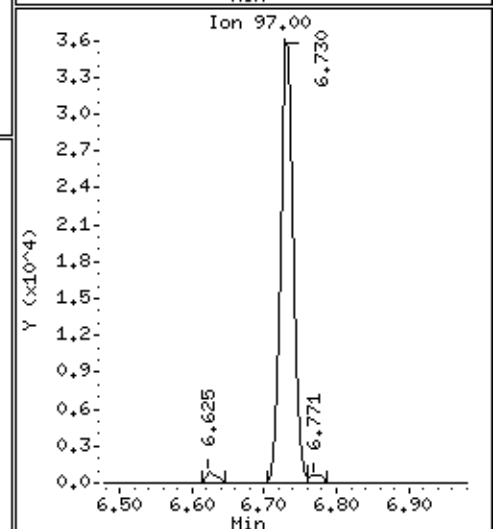
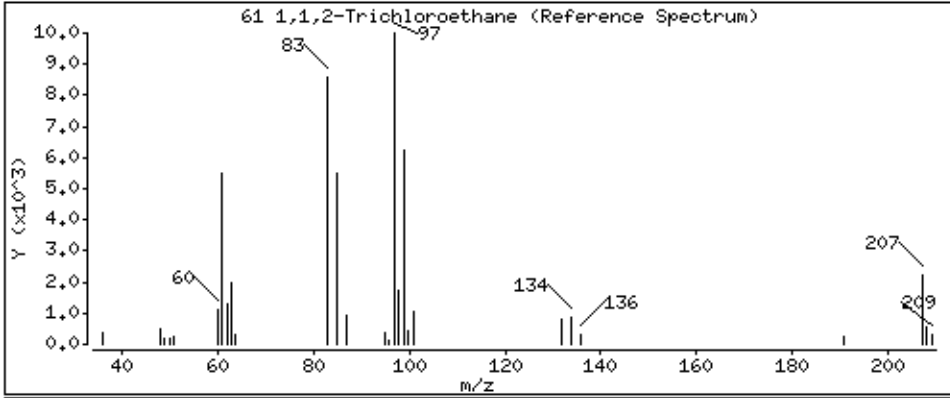
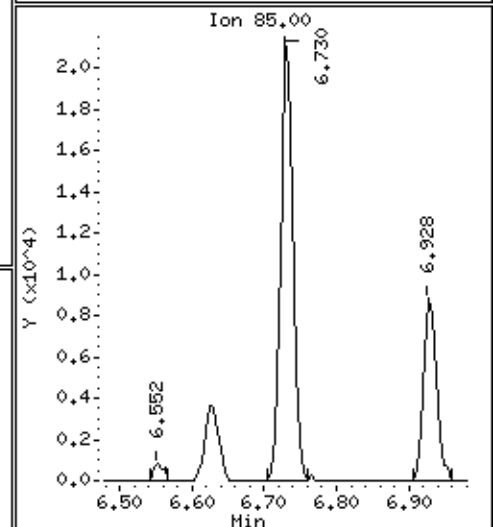
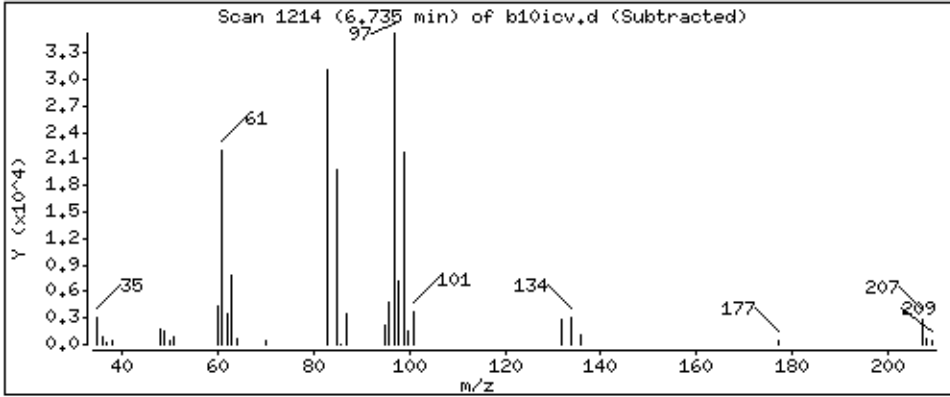
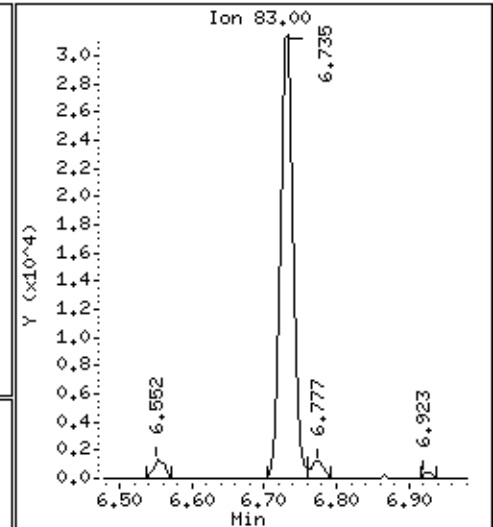
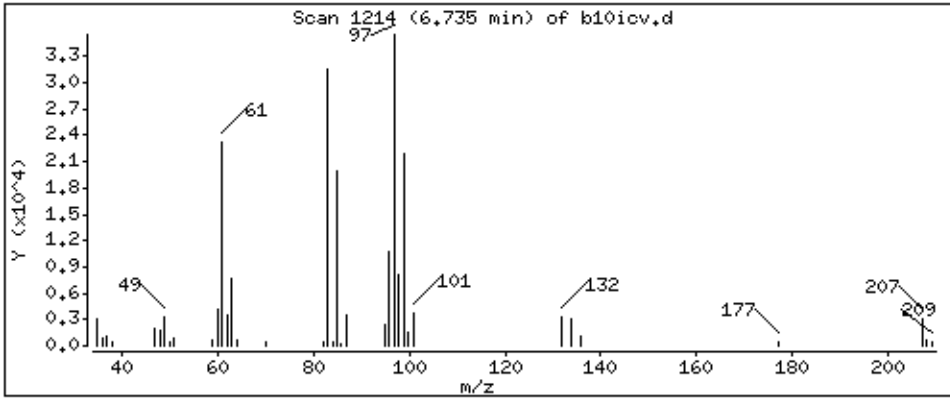
Operator: grm

Column phase: DB-624

Column diameter: 0,18

61 1,1,2-Trichloroethane

Concentration: 49,6 ppb



Date : 19-JUN-2014 19:08

Client ID: 8260-ICV,71105;0

Instrument: 50mv1b.i

Sample Info: 8260-ICV,71105;0

Purge Volume: 5.0

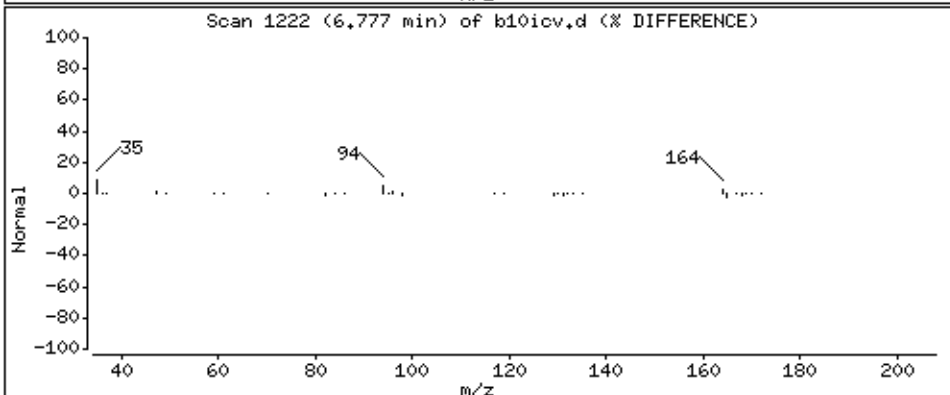
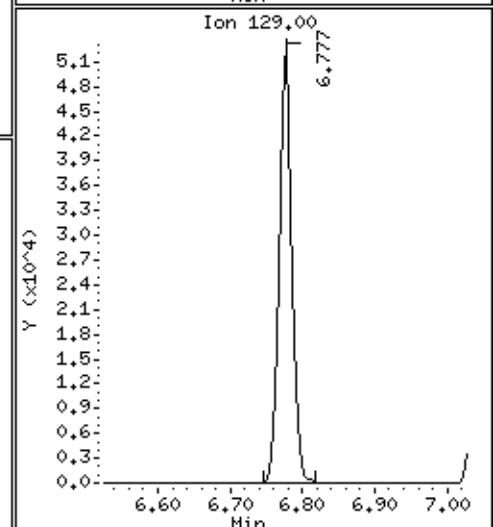
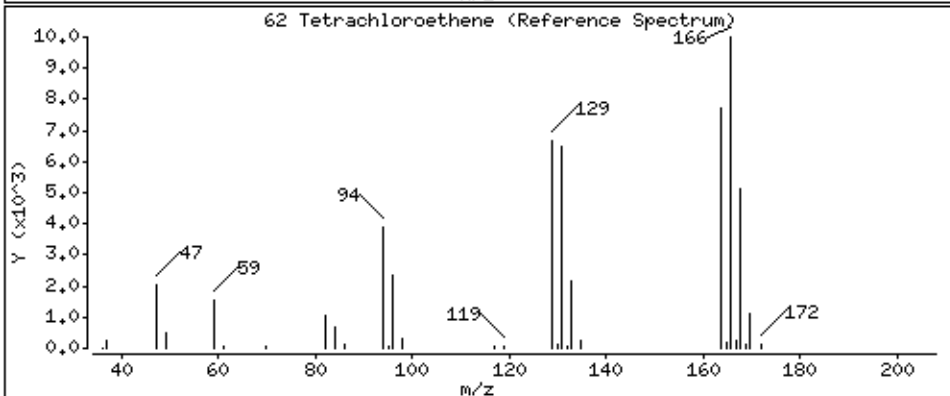
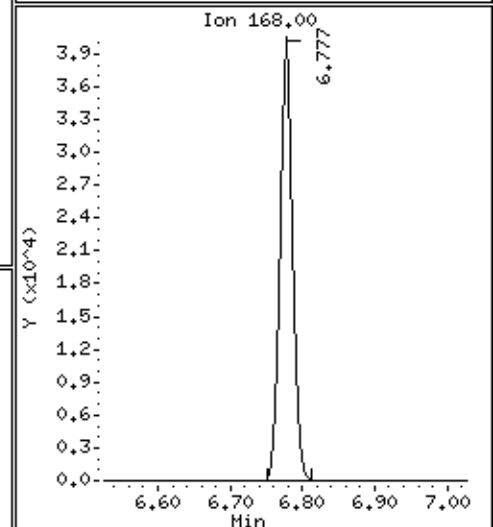
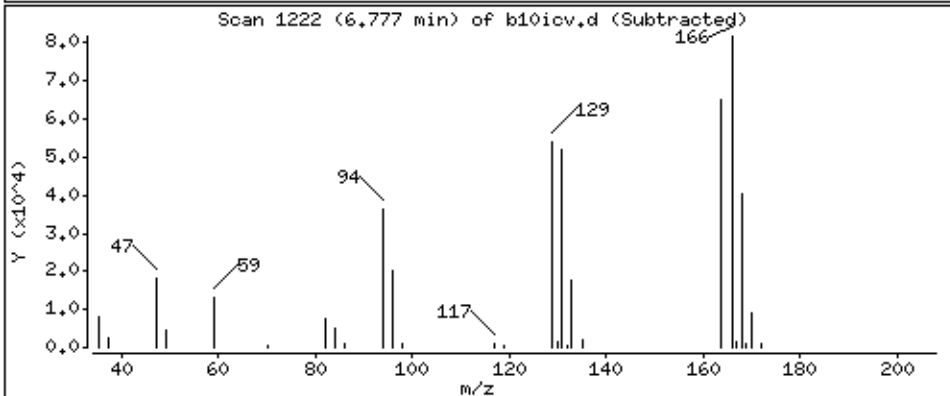
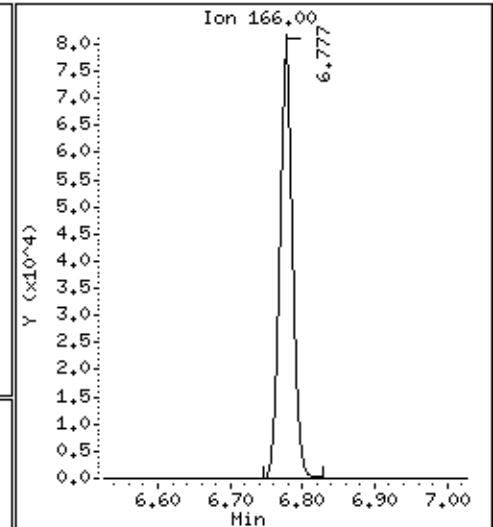
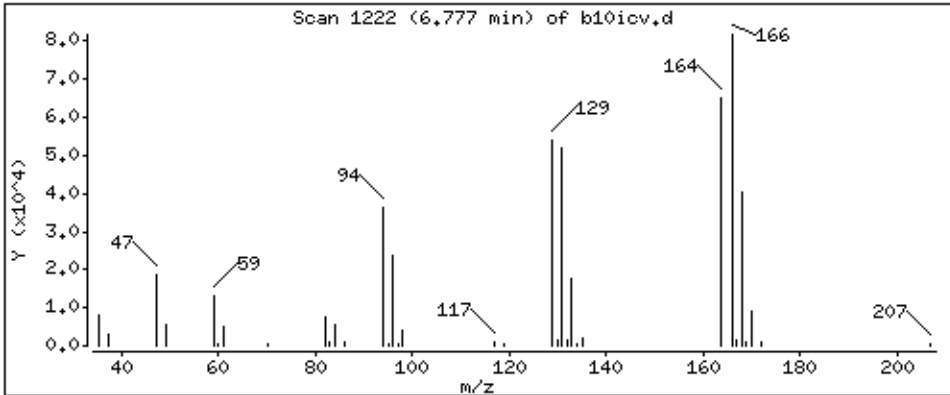
Operator: grm

Column phase: DB-624

Column diameter: 0,18

62 Tetrachloroethene

Concentration: 48,4 ppb



Date : 19-JUN-2014 19:08

Client ID: 8260-ICV,71105;0

Instrument: 50mv1b.i

Sample Info: 8260-ICV,71105;0

Purge Volume: 5.0

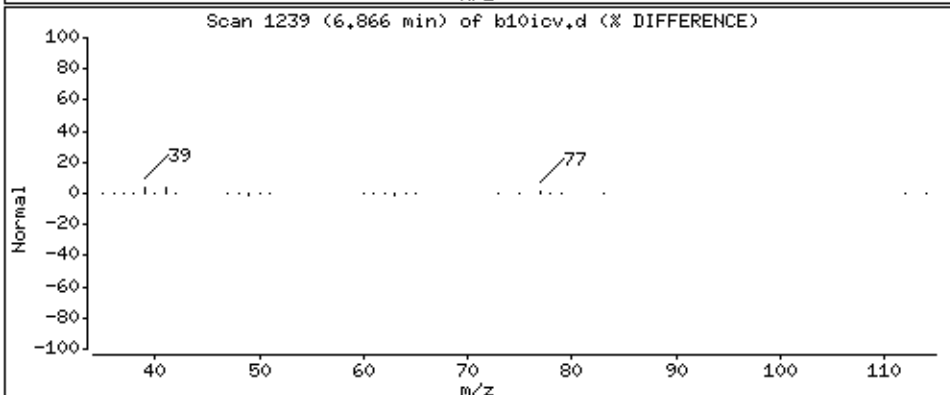
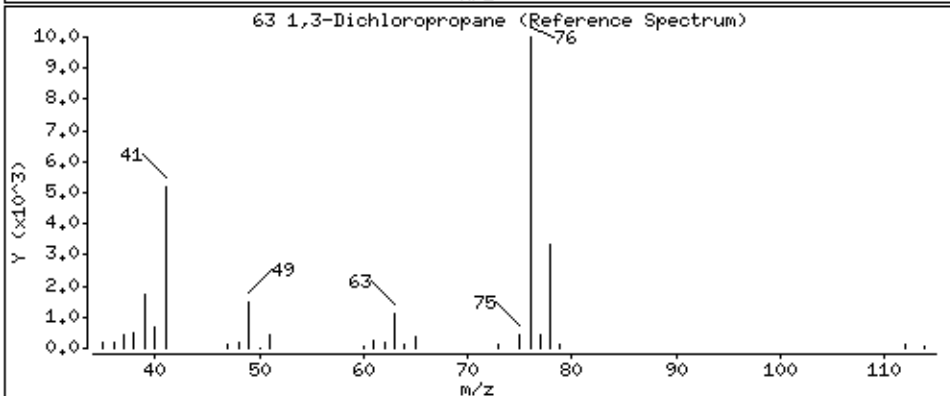
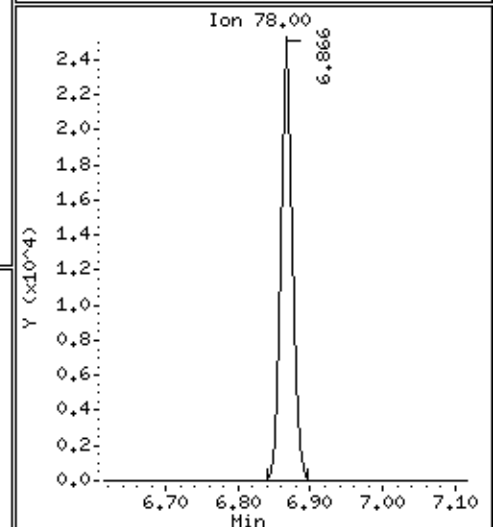
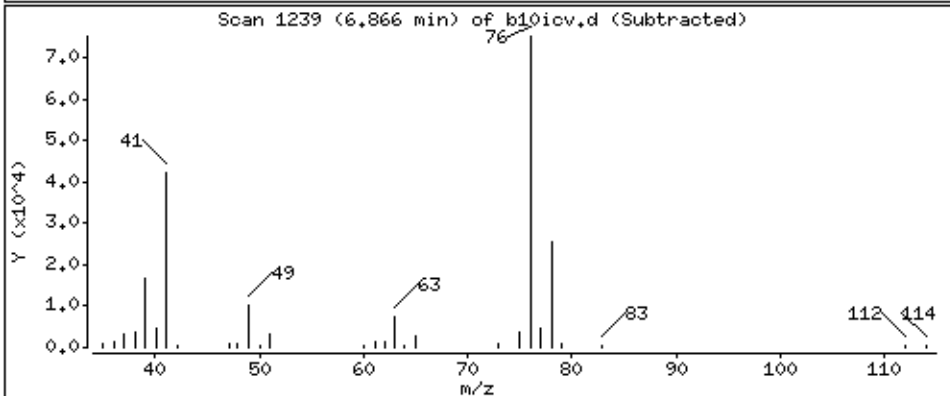
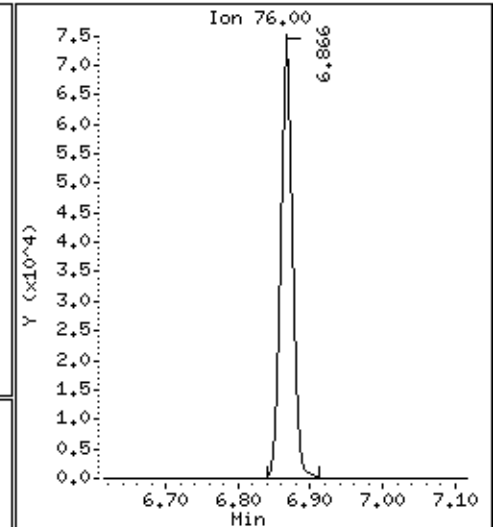
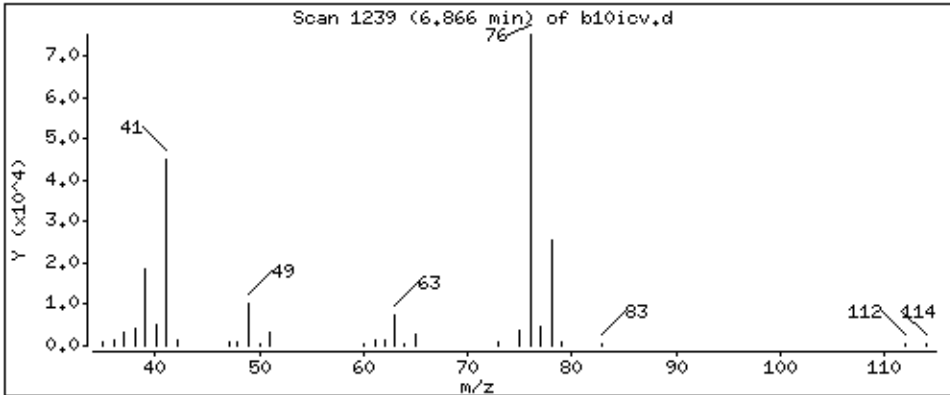
Operator: grm

Column phase: DB-624

Column diameter: 0,18

63 1,3-Dichloropropane

Concentration: 48,9 ppb



Date : 19-JUN-2014 19:08

Client ID: 8260-ICV,71105:0

Instrument: 50mv1b.i

Sample Info: 8260-ICV,71105:0

Purge Volume: 5.0

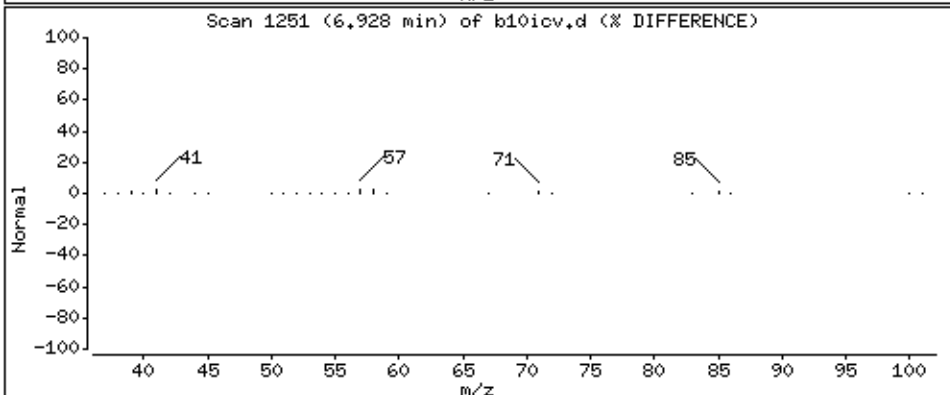
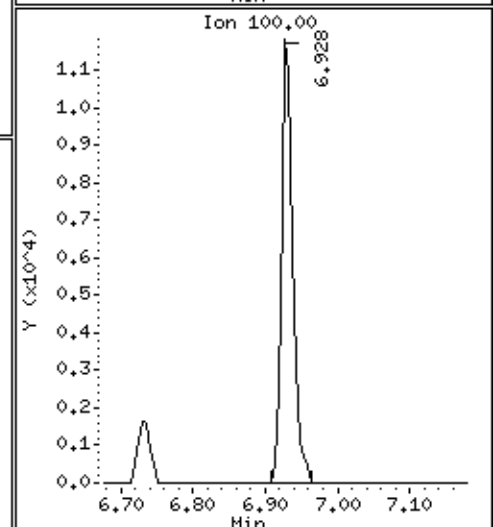
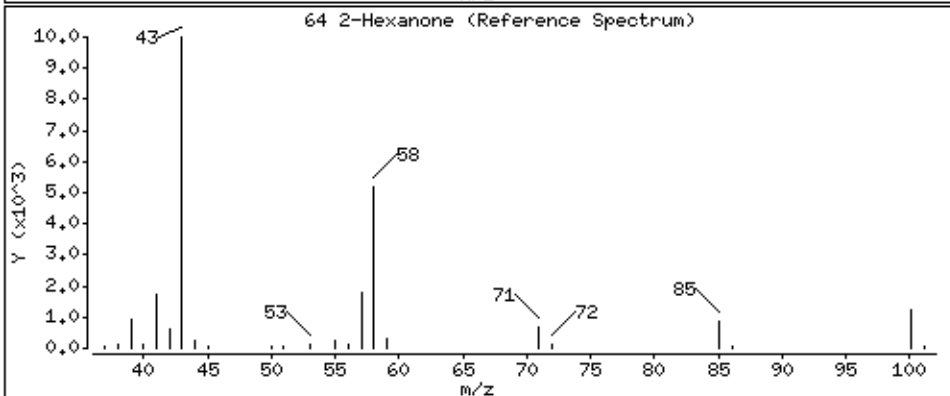
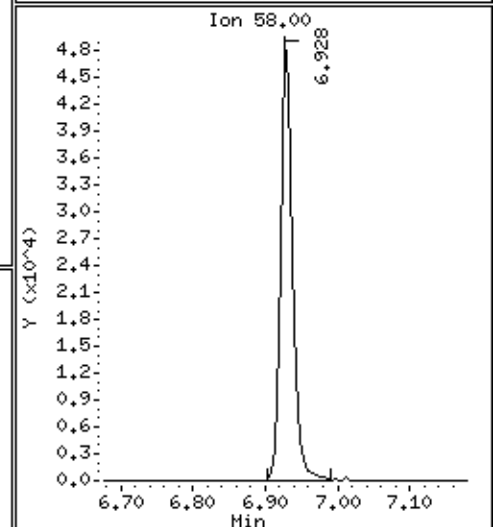
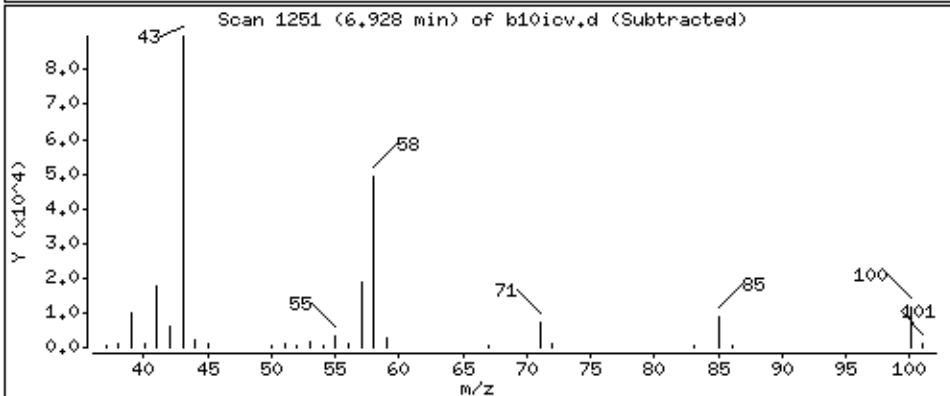
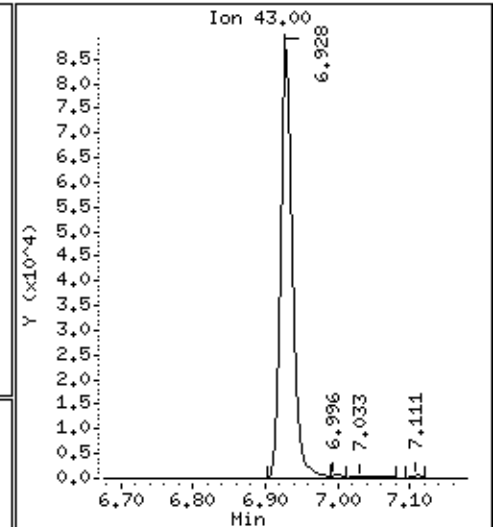
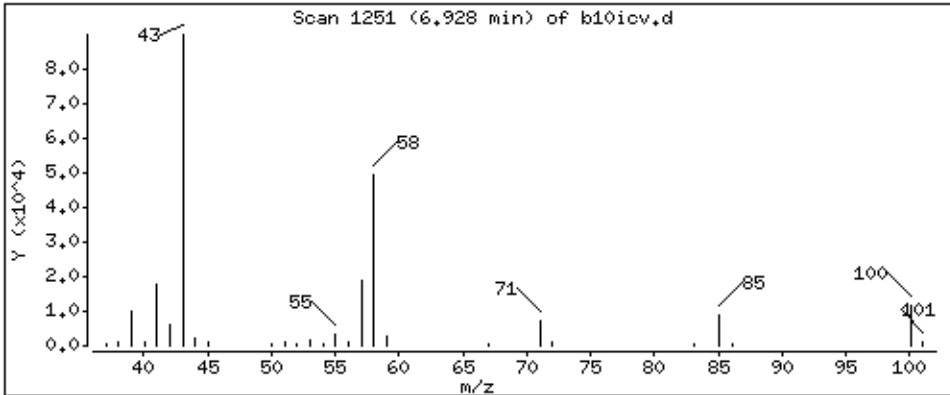
Operator: grm

Column phase: DB-624

Column diameter: 0,18

64 2-Hexanone

Concentration: 279 ppb



Date : 19-JUN-2014 19:08

Client ID: 8260-ICV,71105;0

Instrument: 50mv1b.i

Sample Info: 8260-ICV,71105;0

Purge Volume: 5.0

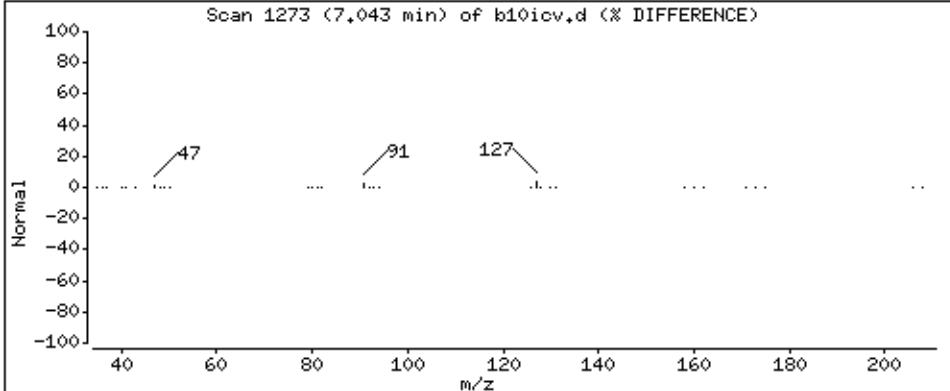
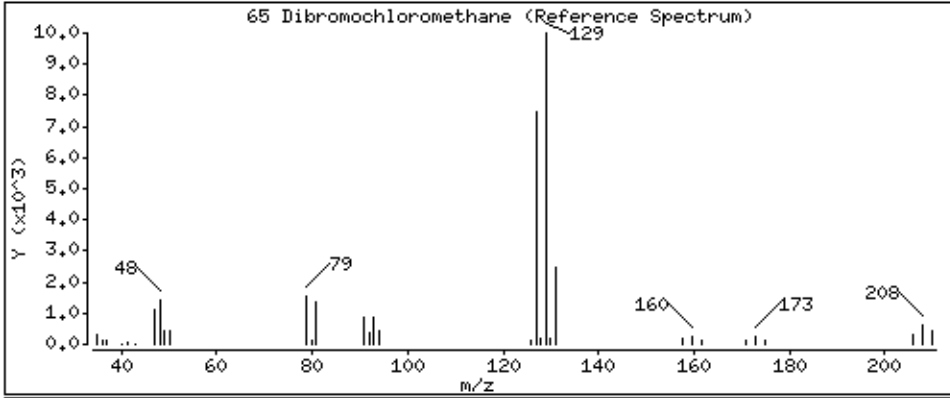
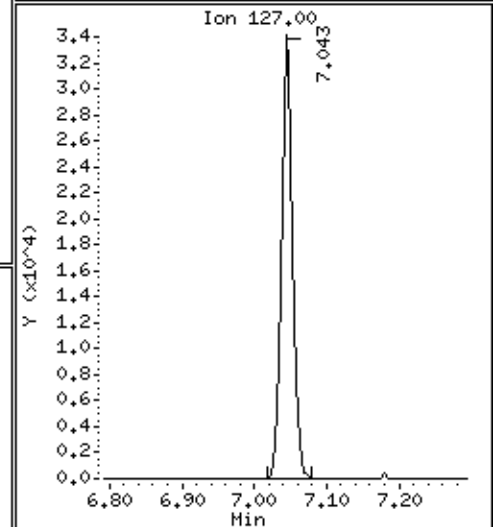
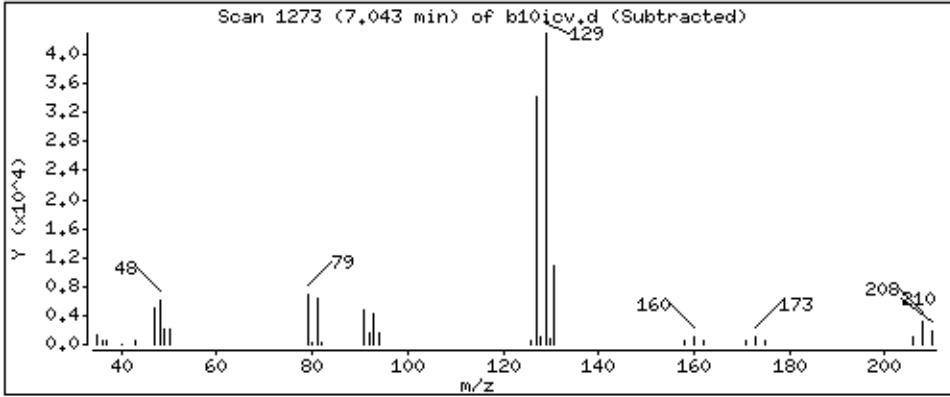
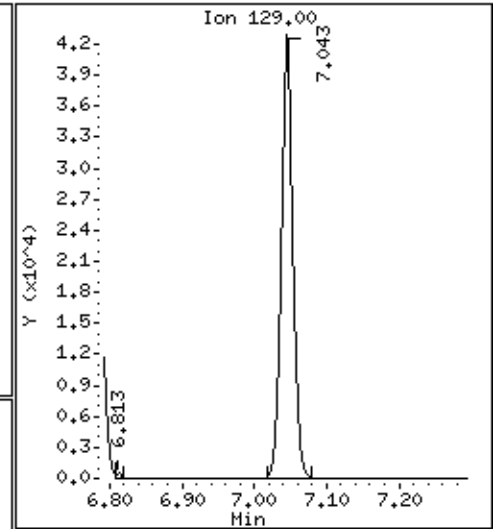
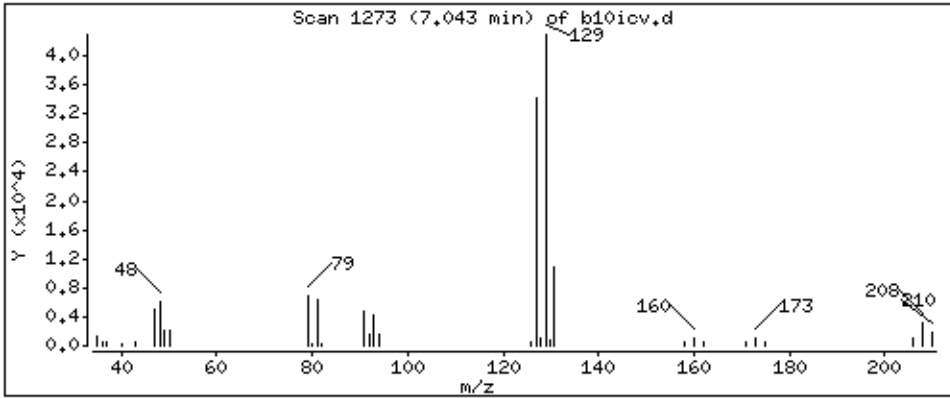
Operator: grm

Column phase: DB-624

Column diameter: 0,18

65 Dibromochloromethane

Concentration: 48,3 ppb



Date : 19-JUN-2014 19:08

Client ID: 8260-ICV,71105;0

Instrument: 50mv1b.i

Sample Info: 8260-ICV,71105;0

Purge Volume: 5.0

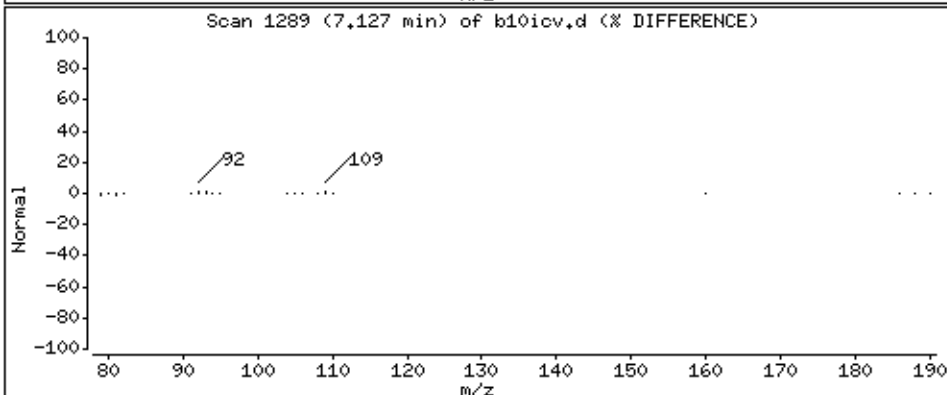
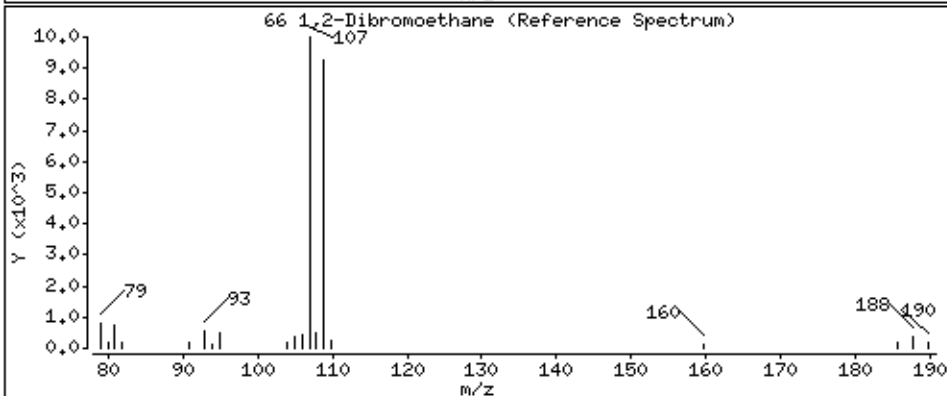
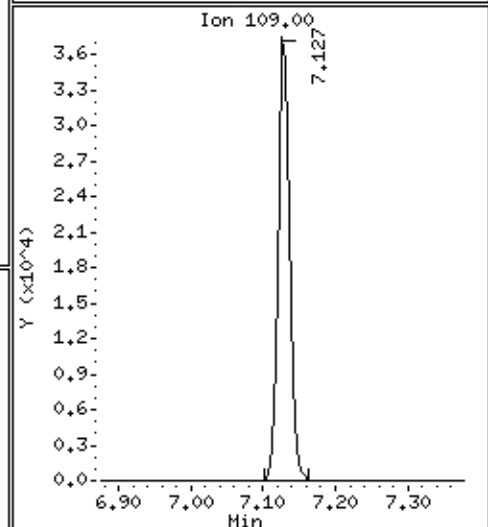
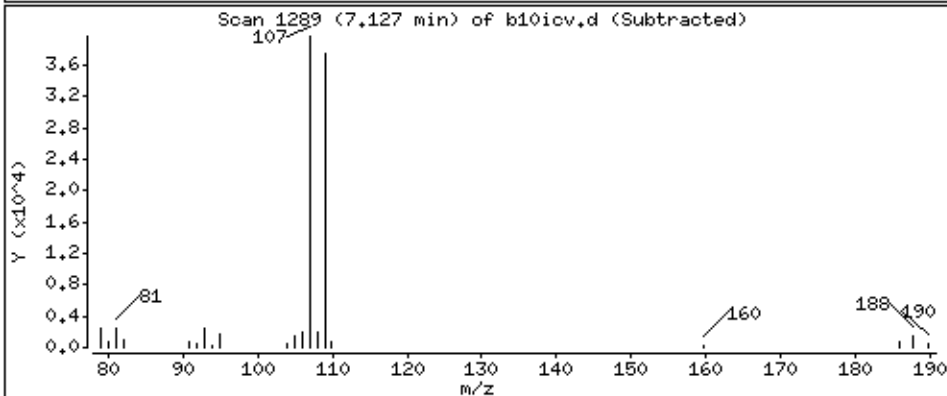
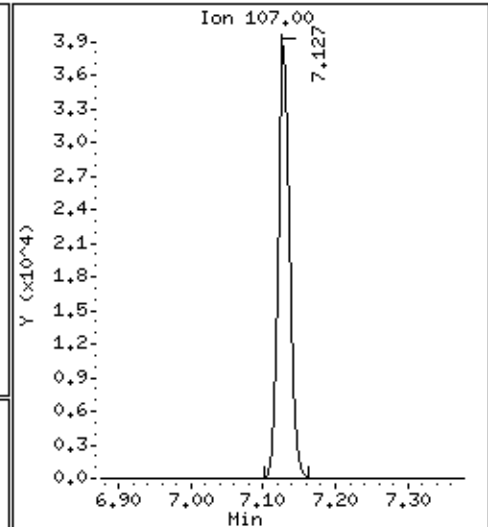
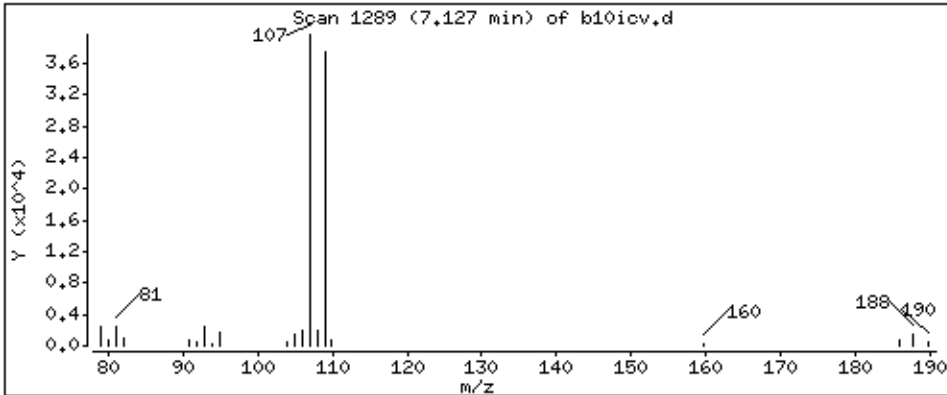
Operator: grm

Column phase: DB-624

Column diameter: 0,18

66 1,2-Dibromoethane

Concentration: 51.8 ppb



Date : 19-JUN-2014 19:08

Client ID: 8260-ICV,71105;0

Instrument: 50mv1b.i

Sample Info: 8260-ICV,71105;0

Purge Volume: 5.0

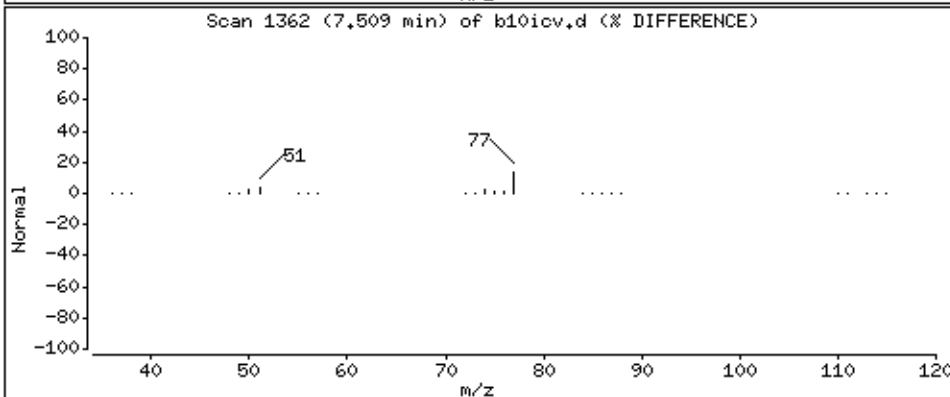
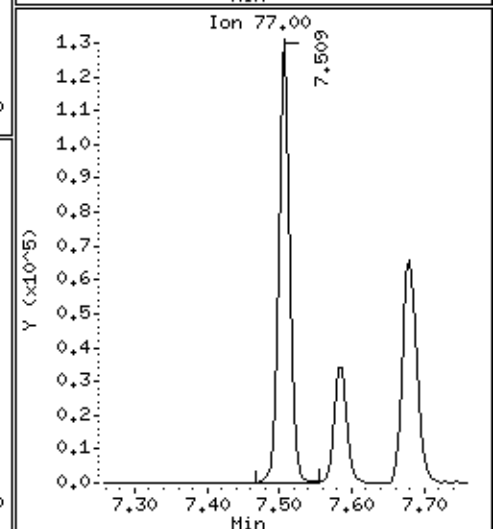
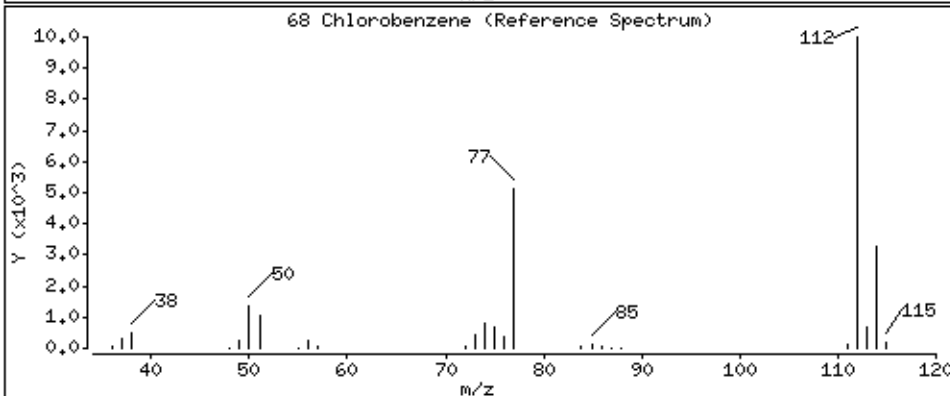
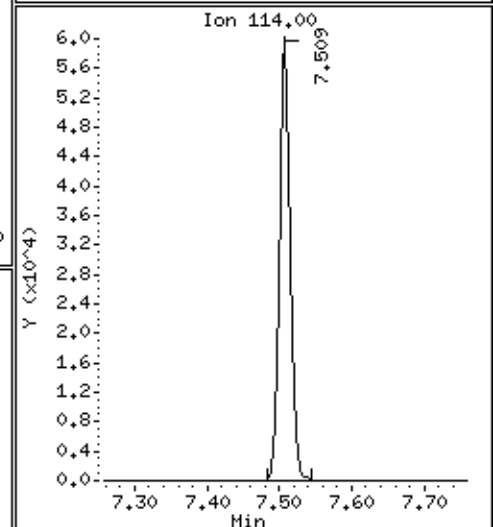
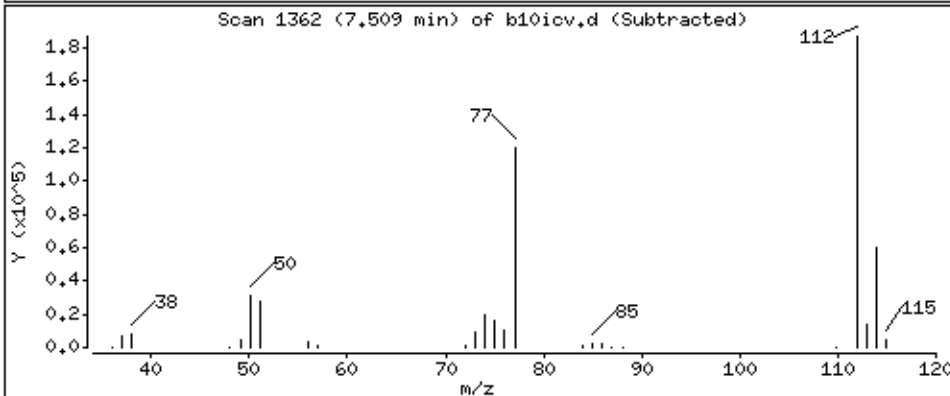
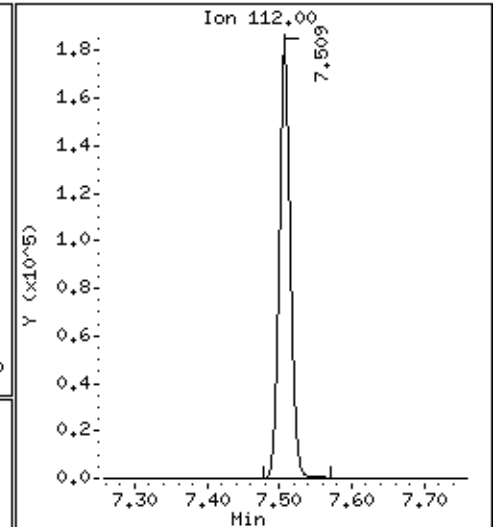
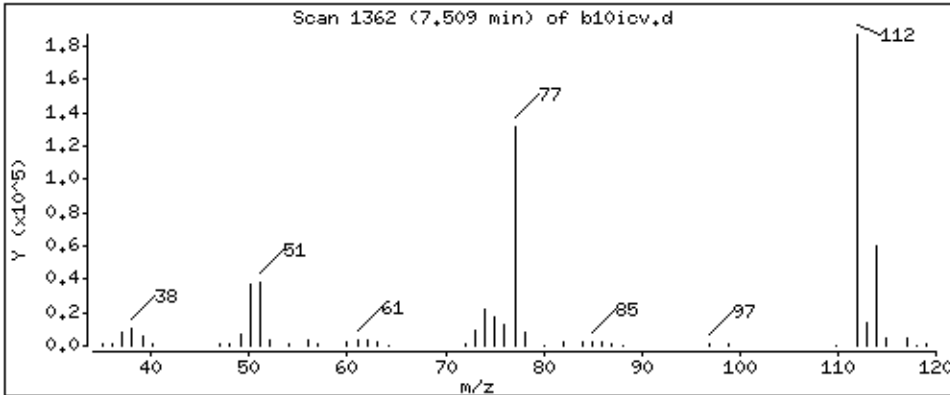
Operator: grm

Column phase: DB-624

Column diameter: 0,18

68 Chlorobenzene

Concentration: 49,6 ppb



Date : 19-JUN-2014 19:08

Client ID: 8260-ICV,71105;0

Instrument: 50mv1b.i

Sample Info: 8260-ICV,71105;0

Purge Volume: 5.0

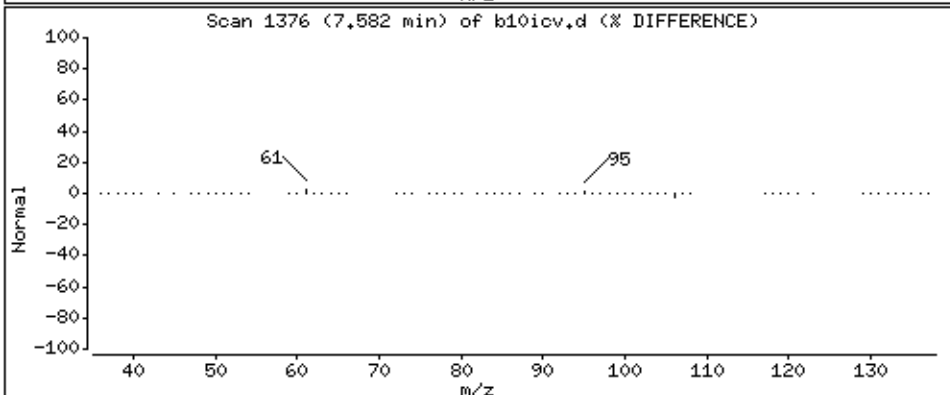
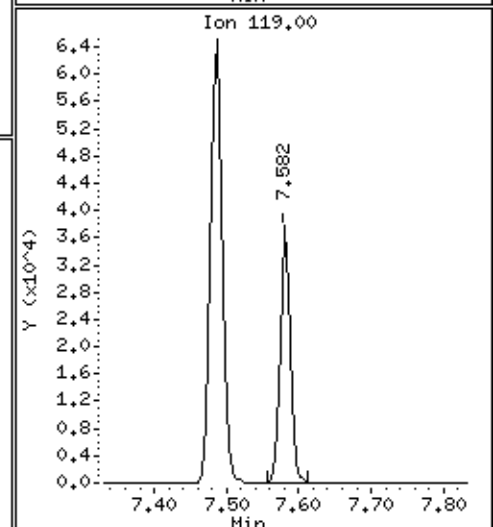
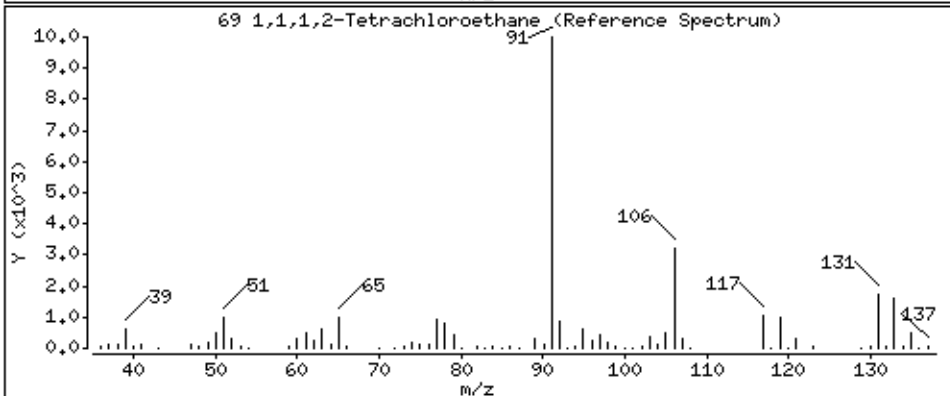
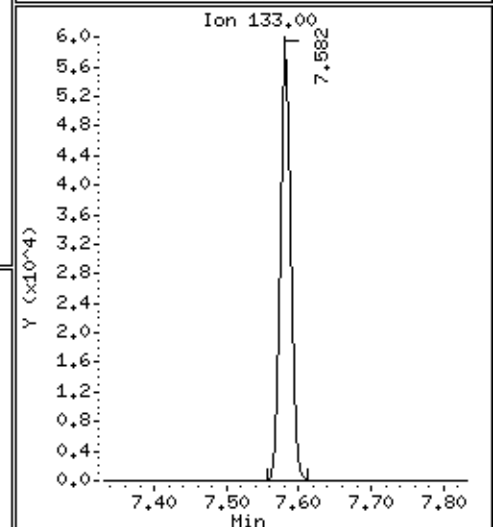
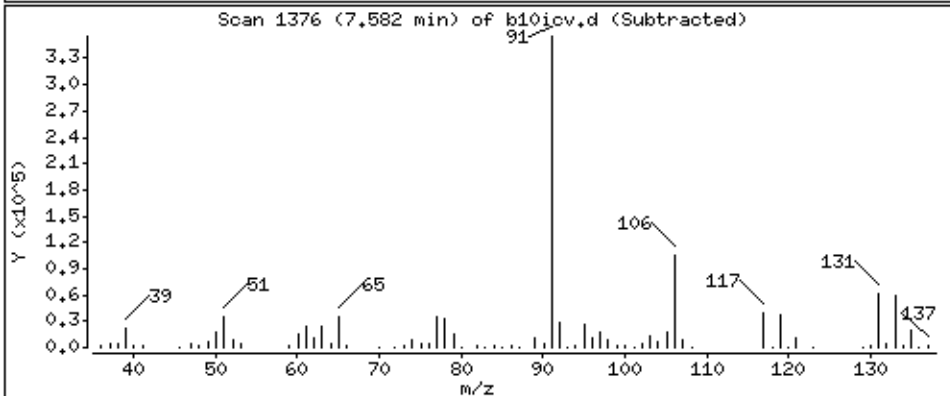
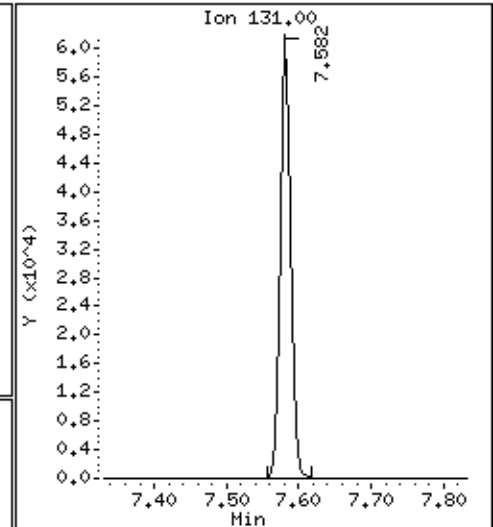
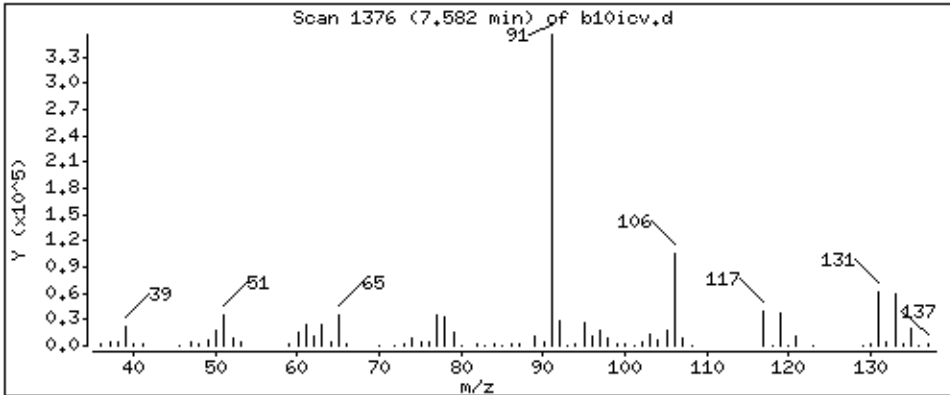
Operator: grm

Column phase: DB-624

Column diameter: 0,18

69 1,1,1,2-Tetrachloroethane

Concentration: 49,6 ppb



Date : 19-JUN-2014 19:08

Client ID: 8260-ICV,71105;0

Instrument: 50mv1b.i

Sample Info: 8260-ICV,71105;0

Purge Volume: 5.0

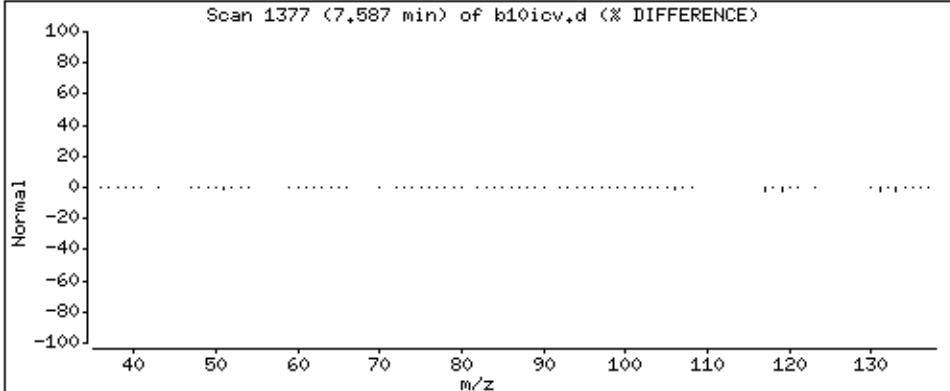
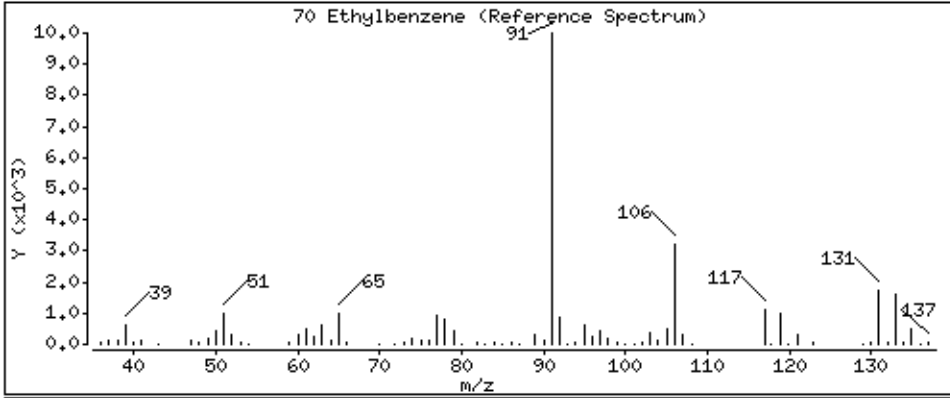
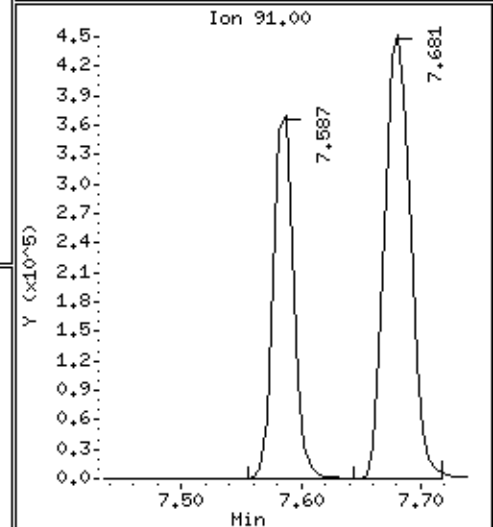
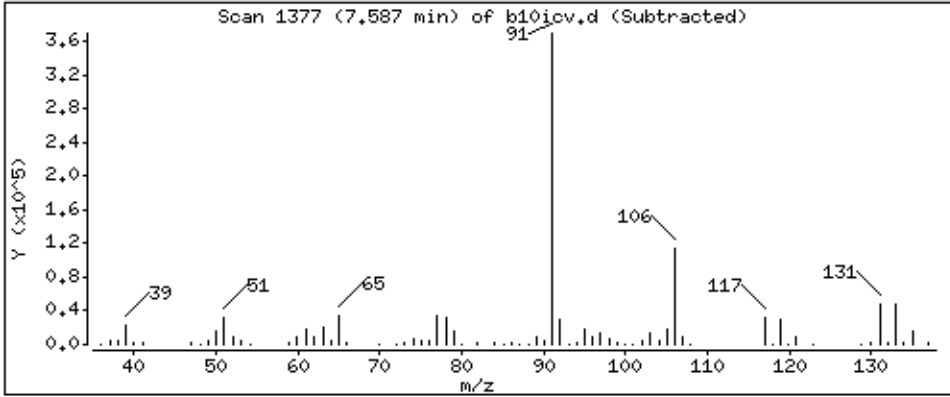
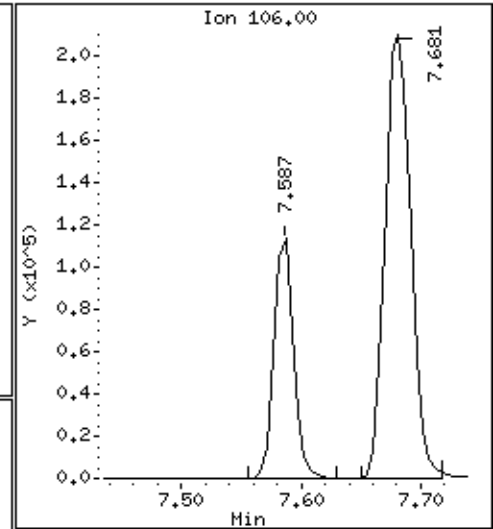
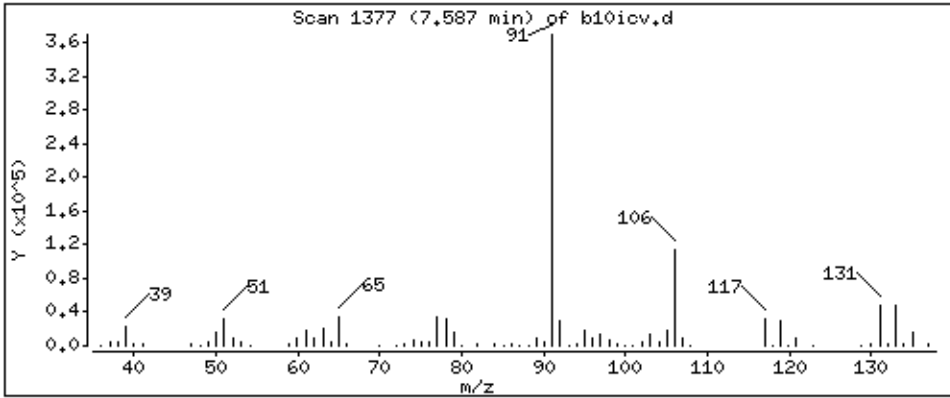
Operator: grm

Column phase: DB-624

Column diameter: 0,18

70 Ethylbenzene

Concentration: 51.6 ppb



Date : 19-JUN-2014 19:08

Client ID: 8260-ICV,71105;0

Instrument: 50mv1b.i

Sample Info: 8260-ICV,71105;0

Purge Volume: 5.0

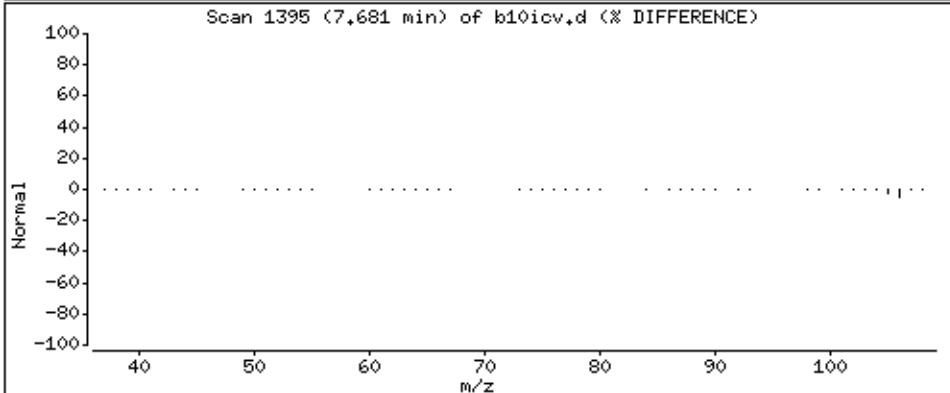
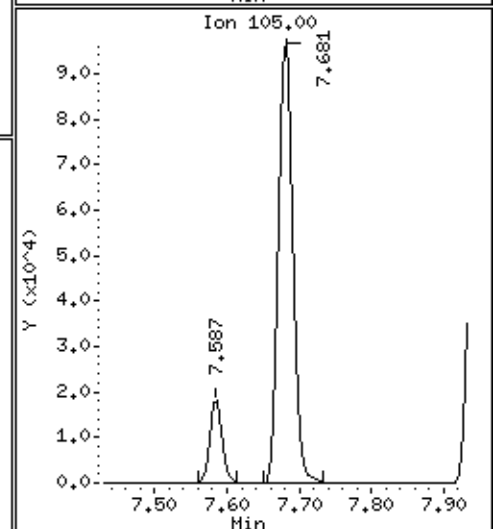
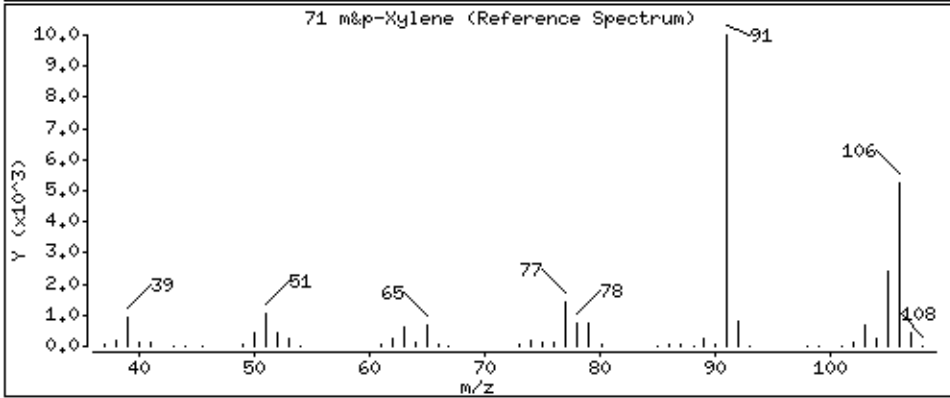
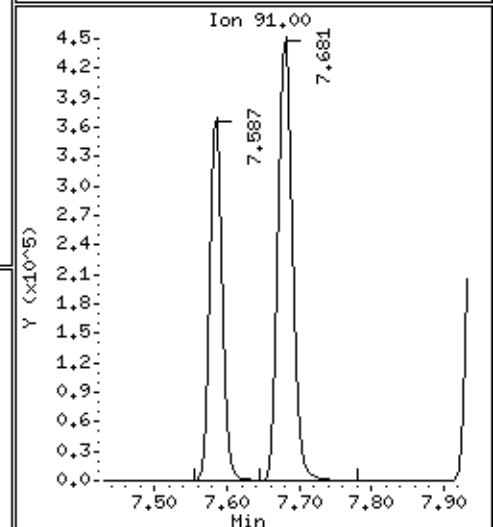
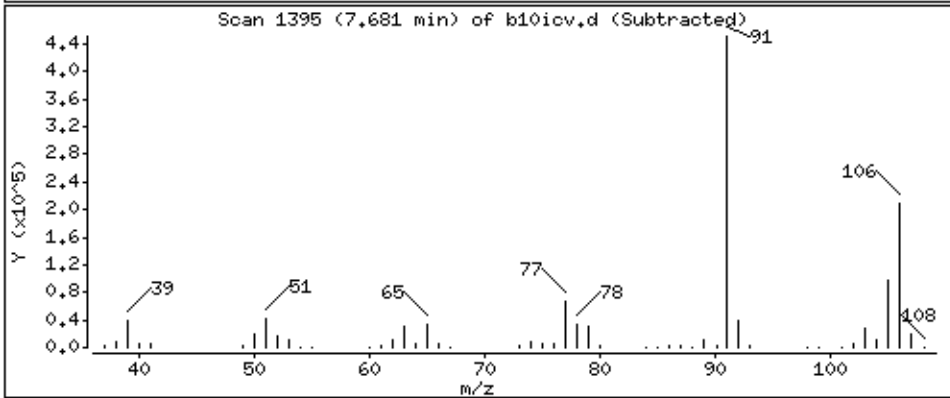
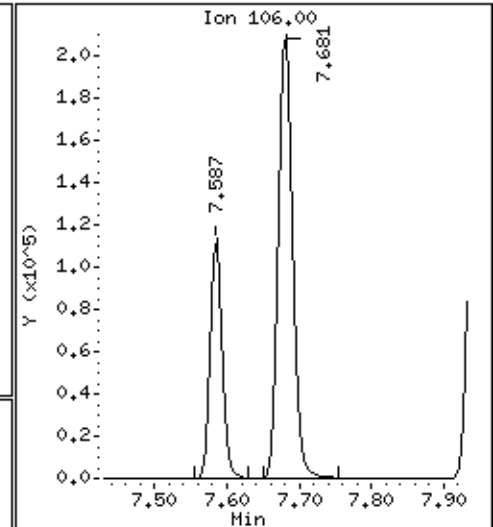
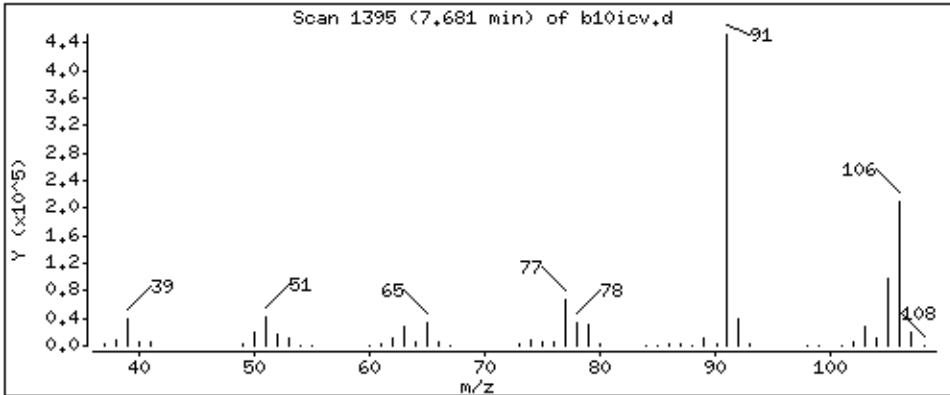
Operator: grm

Column phase: DB-624

Column diameter: 0,18

71 m&p-Xylene

Concentration: 104 ppb



Date : 19-JUN-2014 19:08

Client ID: 8260-ICV,71105;0

Instrument: 50mv1b.i

Sample Info: 8260-ICV,71105;0

Purge Volume: 5.0

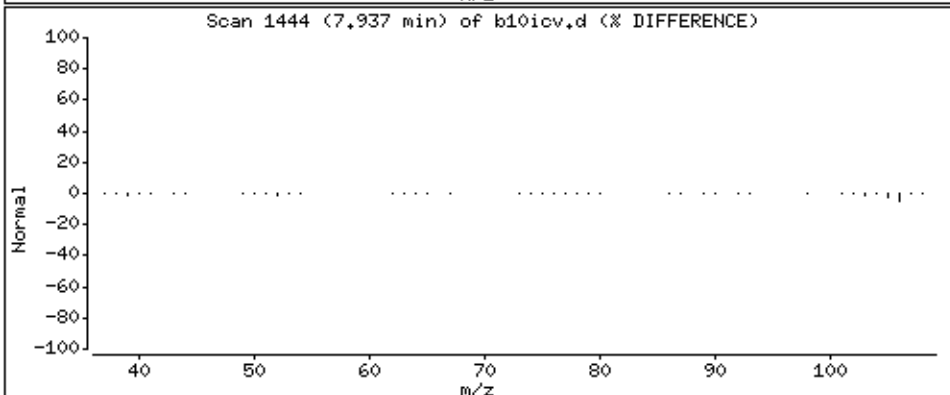
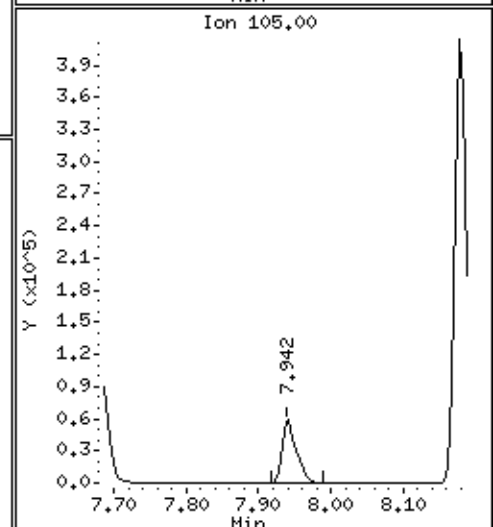
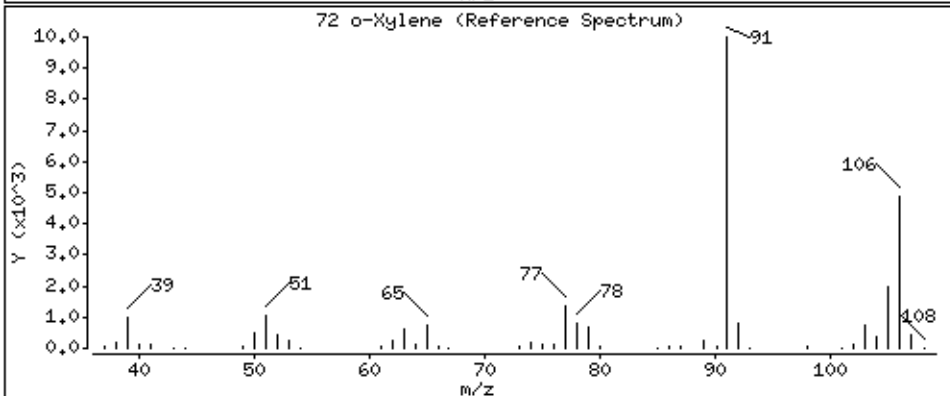
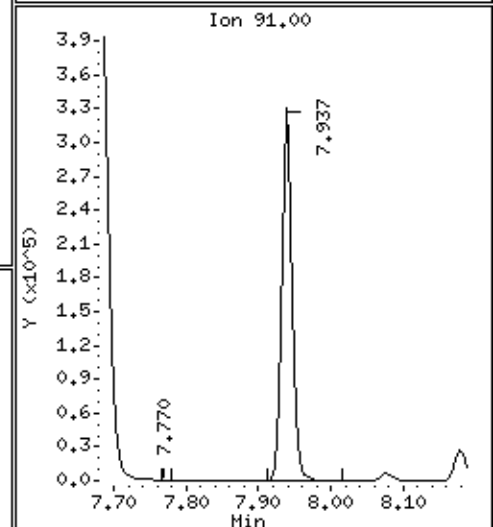
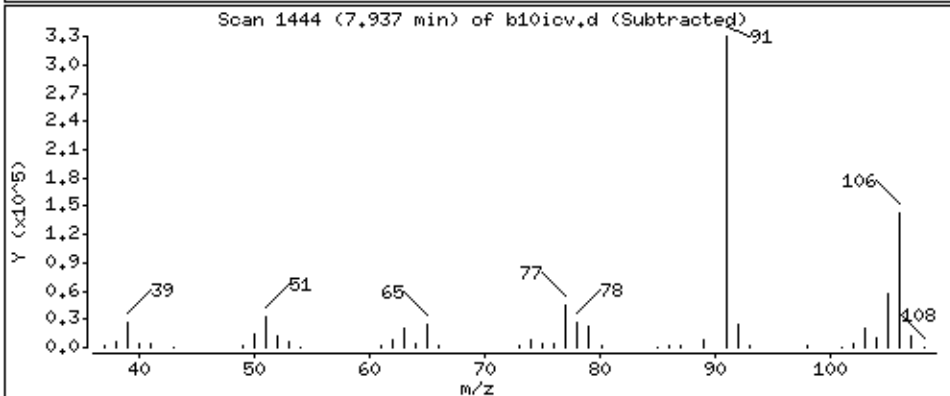
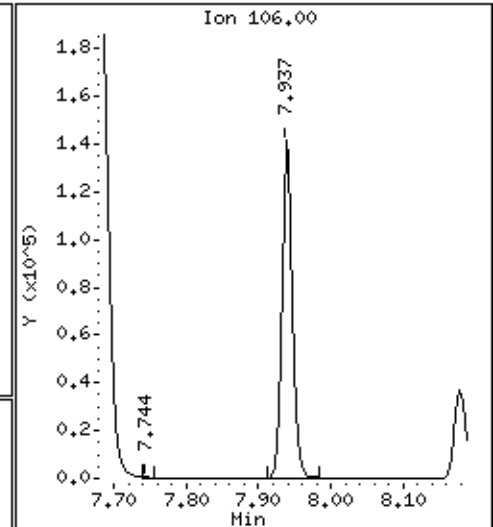
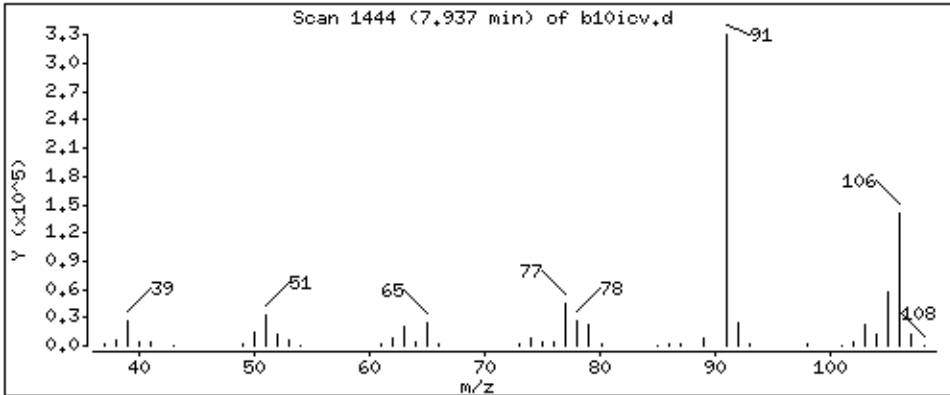
Operator: grm

Column phase: DB-624

Column diameter: 0,18

72 o-Xylene

Concentration: 54,3 ppb



Date : 19-JUN-2014 19:08

Client ID: 8260-ICV,71105;0

Instrument: 50mv1b.i

Sample Info: 8260-ICV,71105;0

Purge Volume: 5.0

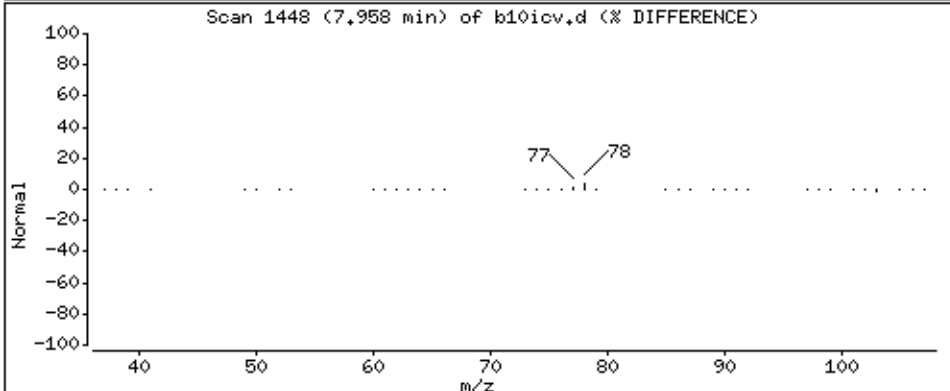
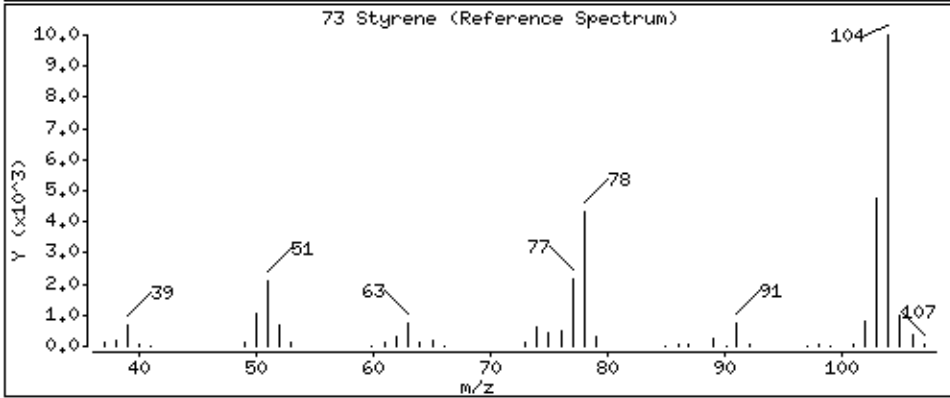
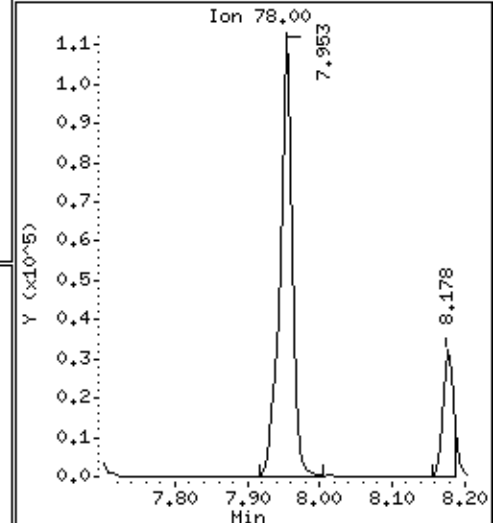
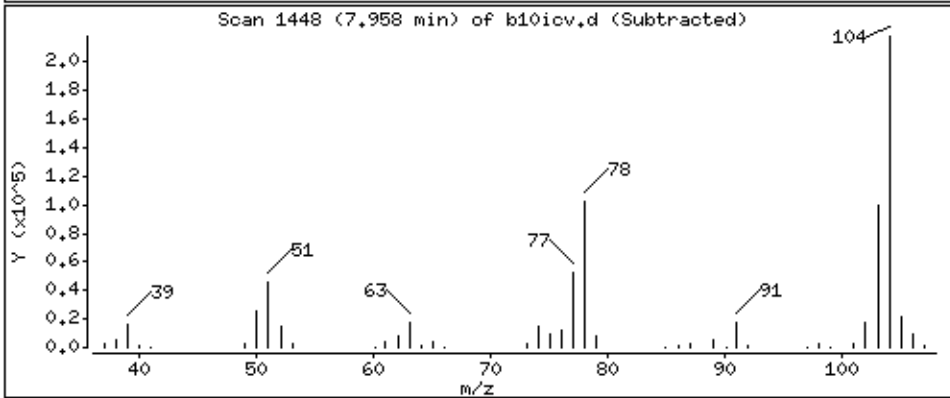
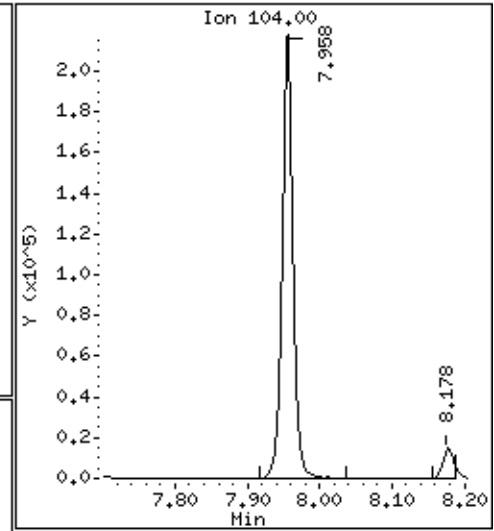
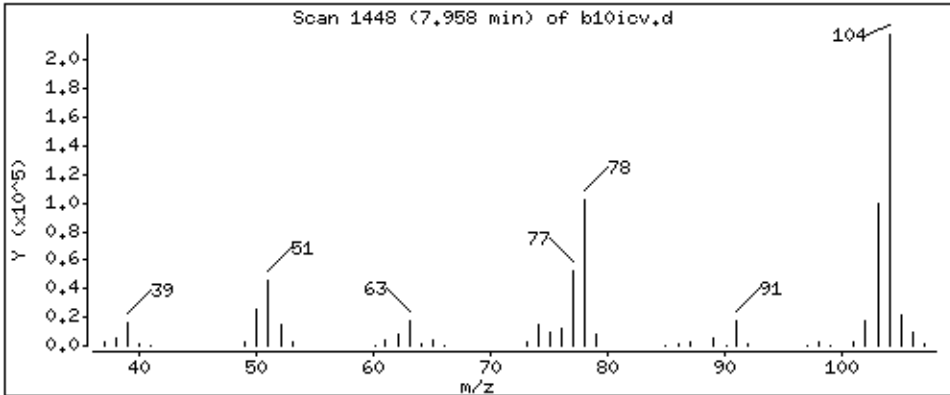
Operator: grm

Column phase: DB-624

Column diameter: 0,18

73 Styrene

Concentration: 52.2 ppb



Date : 19-JUN-2014 19:08

Client ID: 8260-ICV,71105;0

Instrument: 50mv1b.i

Sample Info: 8260-ICV,71105;0

Purge Volume: 5.0

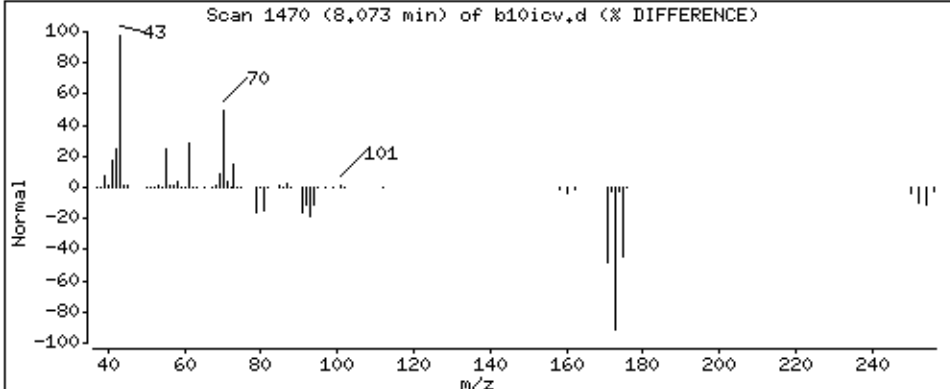
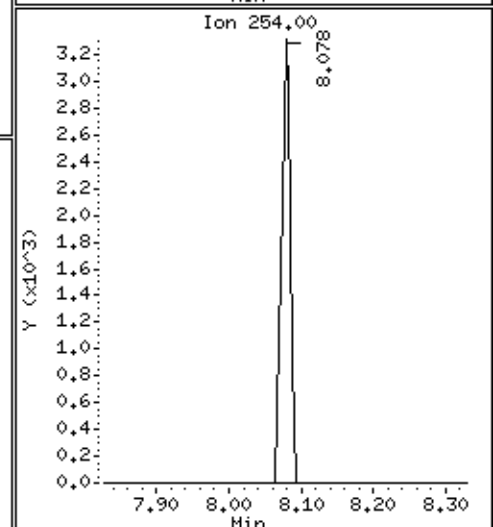
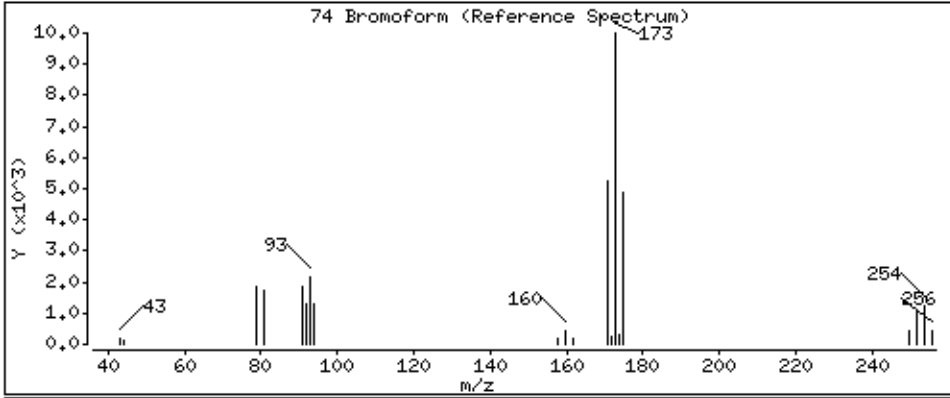
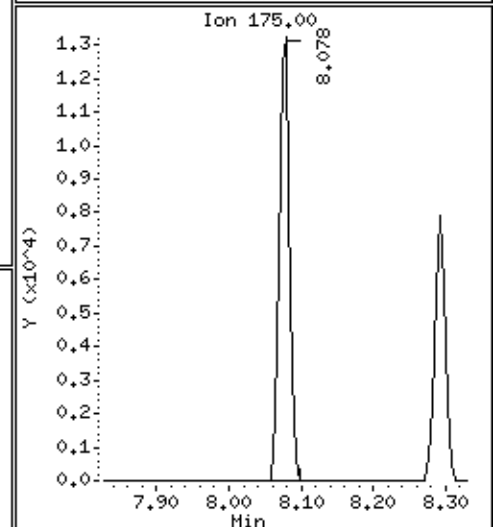
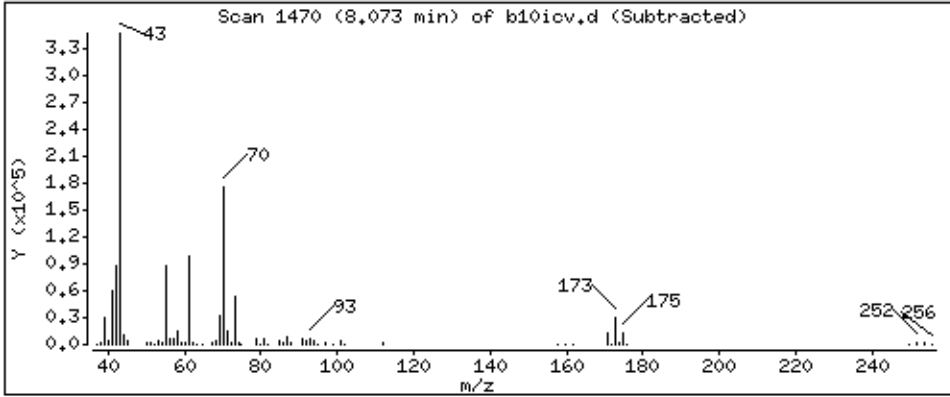
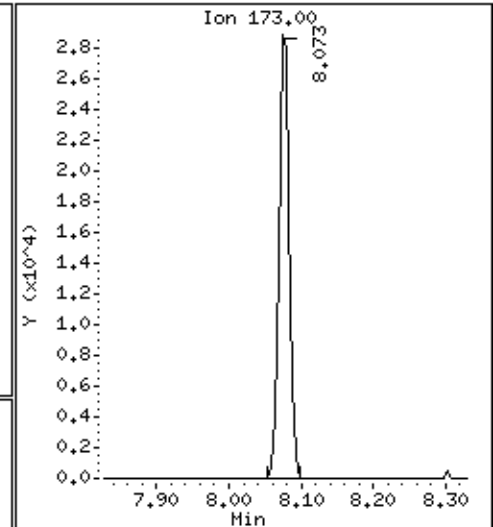
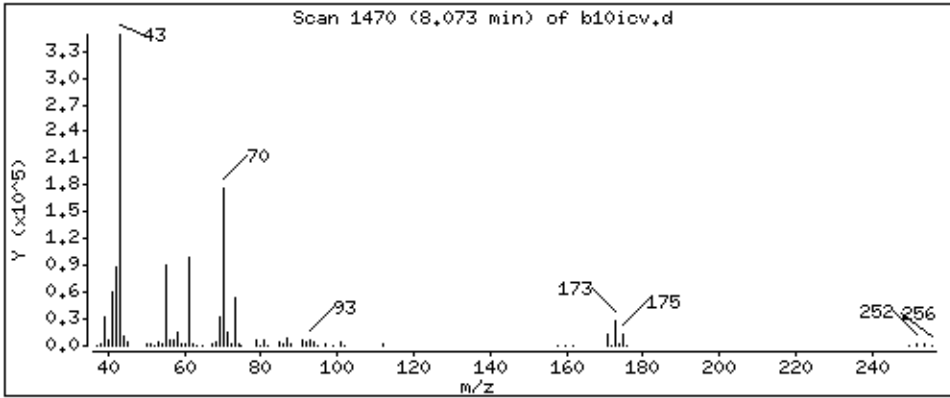
Operator: grm

Column phase: DB-624

Column diameter: 0,18

74 Bromoform

Concentration: 45,1 ppb



Date : 19-JUN-2014 19:08

Client ID: 8260-ICV,71105:0

Instrument: 50mv1b.i

Sample Info: 8260-ICV,71105:0

Purge Volume: 5.0

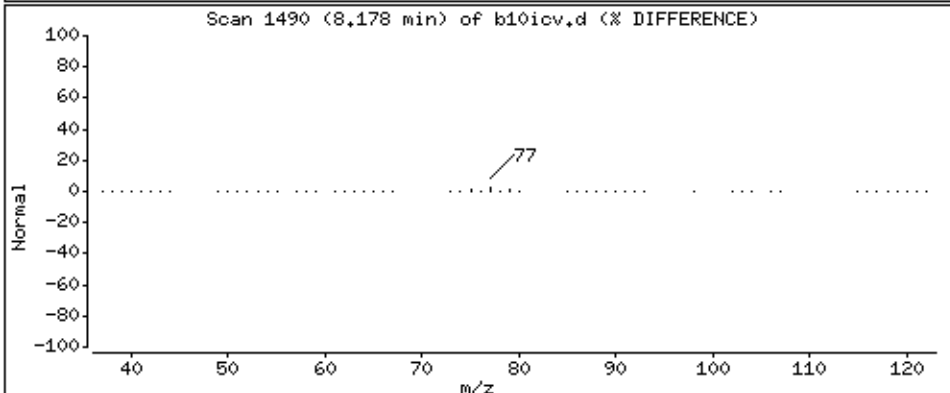
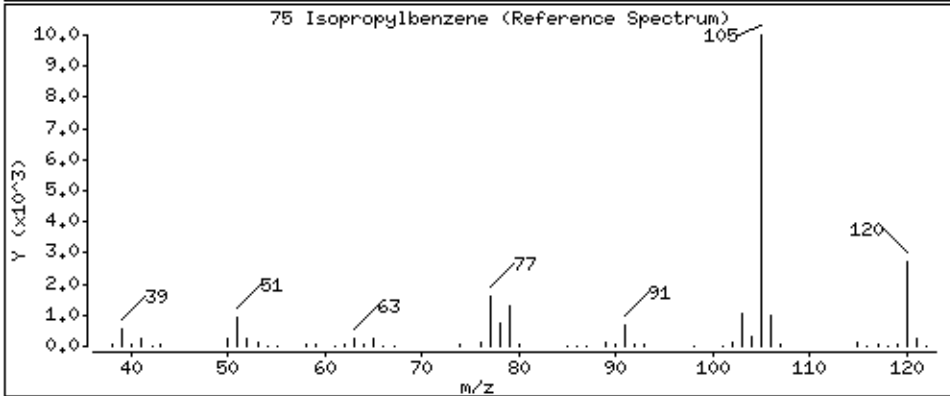
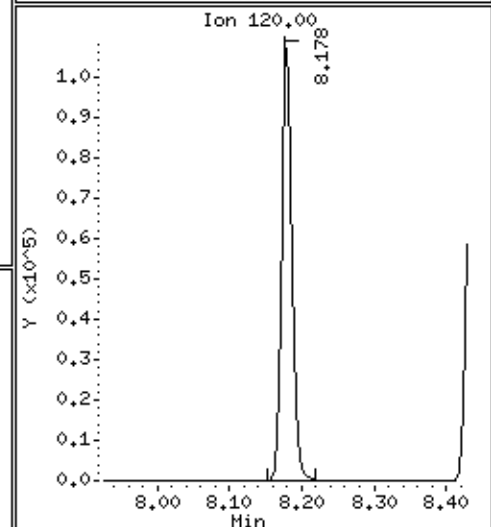
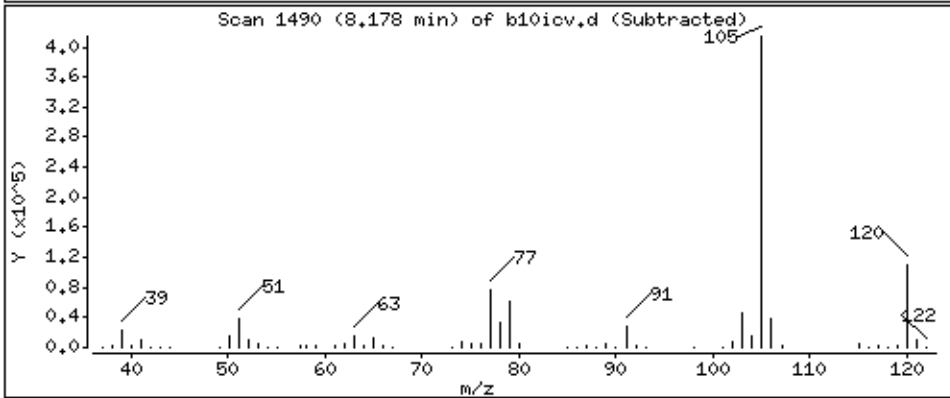
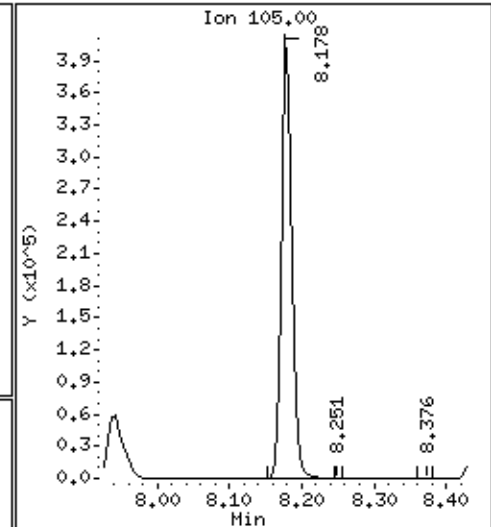
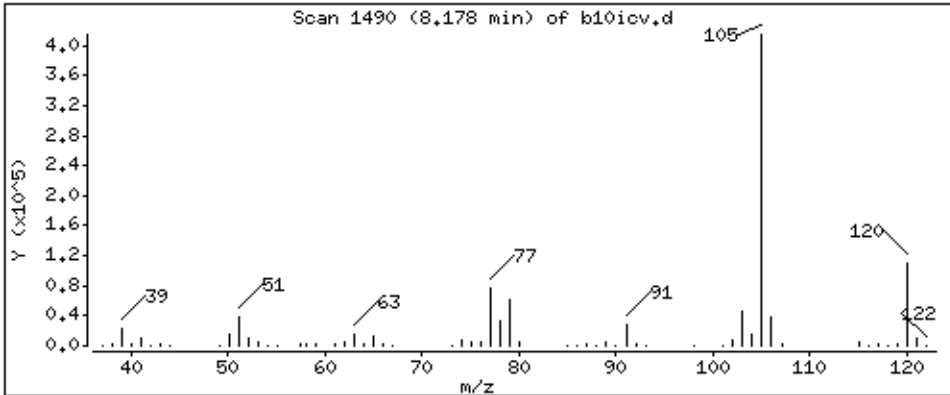
Operator: grm

Column phase: DB-624

Column diameter: 0,18

75 Isopropylbenzene

Concentration: 53.9 ppb



Date : 19-JUN-2014 19:08

Client ID: 8260-ICV,71105;0

Instrument: 50mv1b.i

Sample Info: 8260-ICV,71105;0

Purge Volume: 5.0

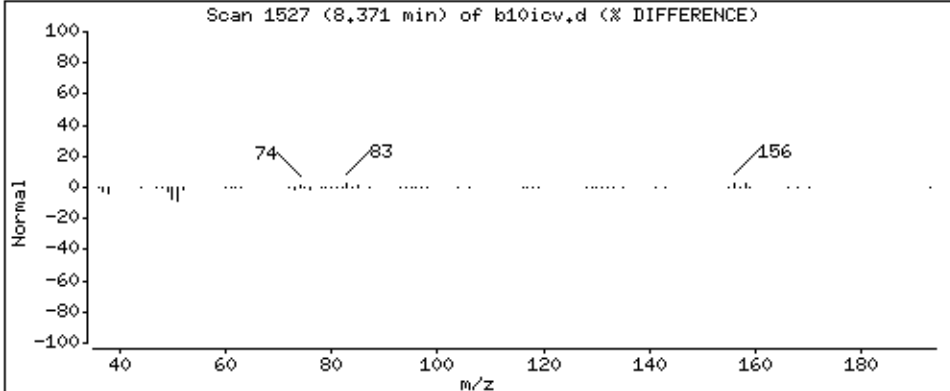
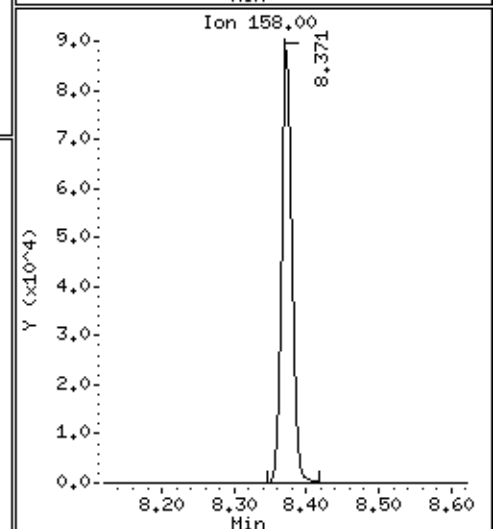
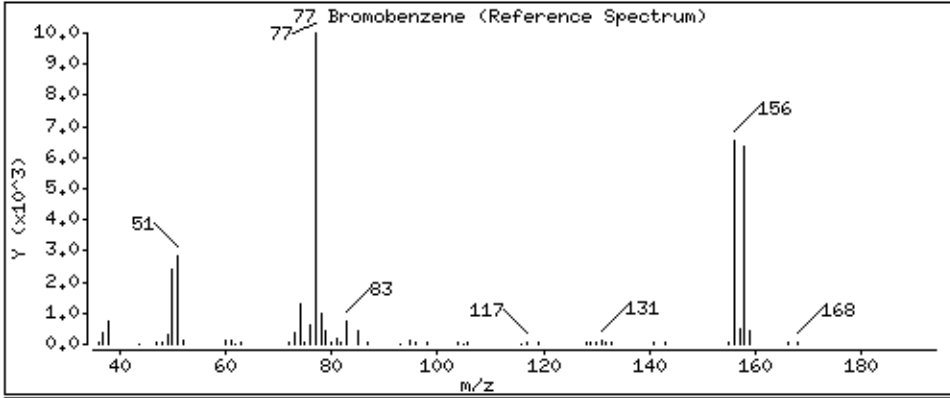
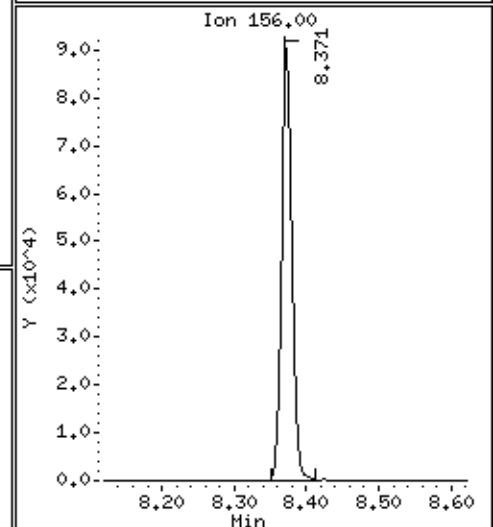
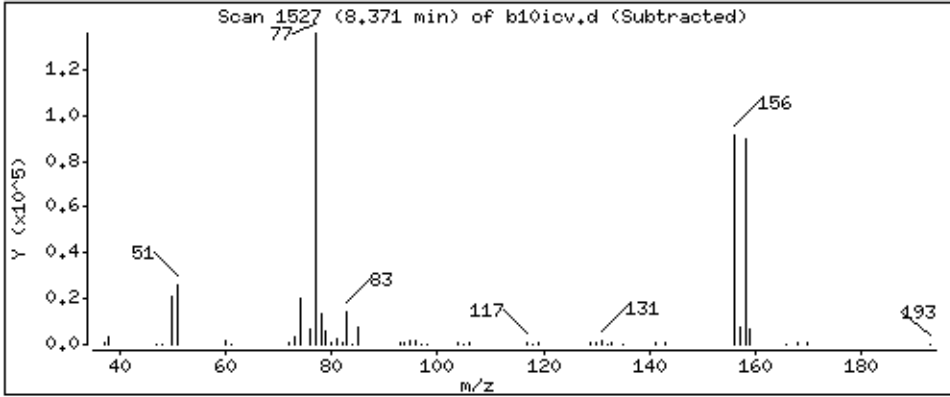
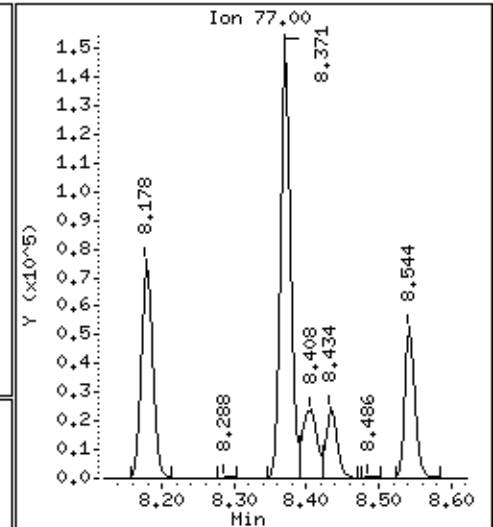
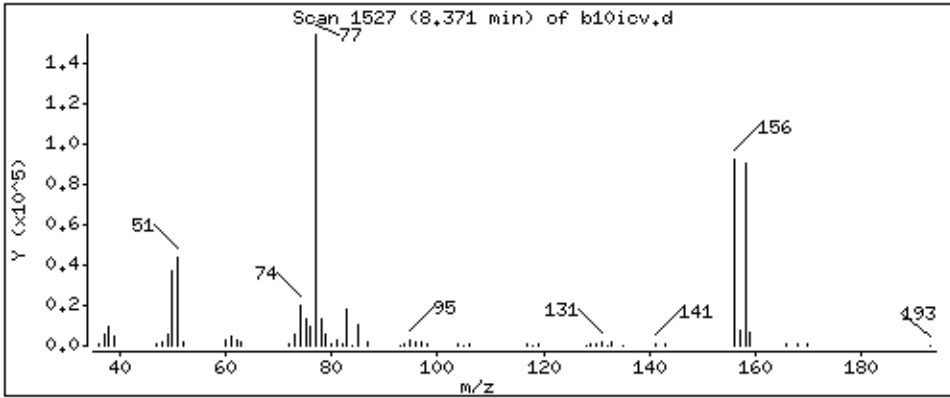
Operator: grm

Column phase: DB-624

Column diameter: 0,18

77 Bromobenzene

Concentration: 50,0 ppb



Date : 19-JUN-2014 19:08

Client ID: 8260-ICV,71105;0

Instrument: 50mv1b.i

Sample Info: 8260-ICV,71105;0

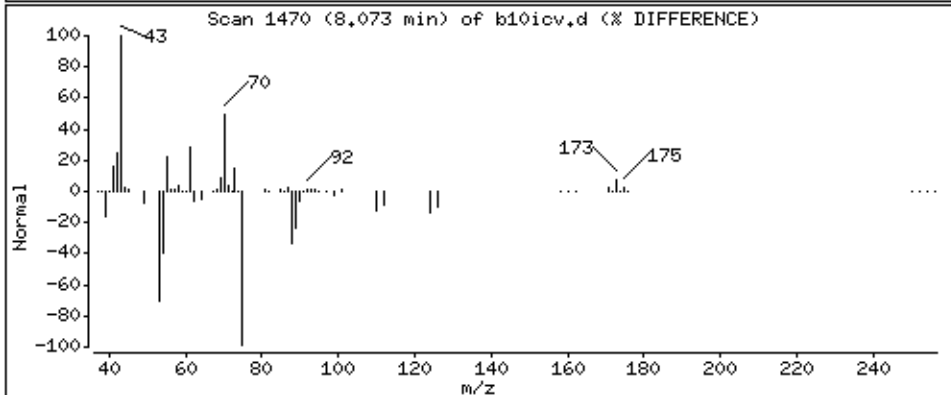
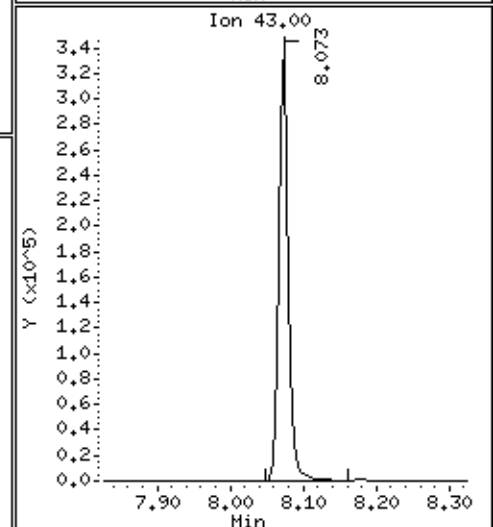
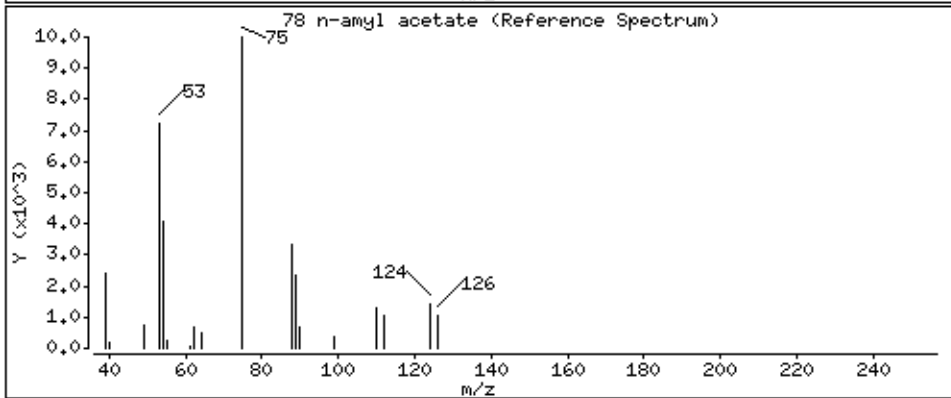
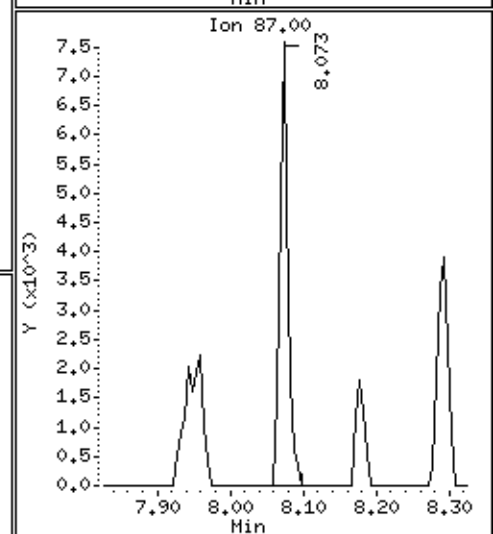
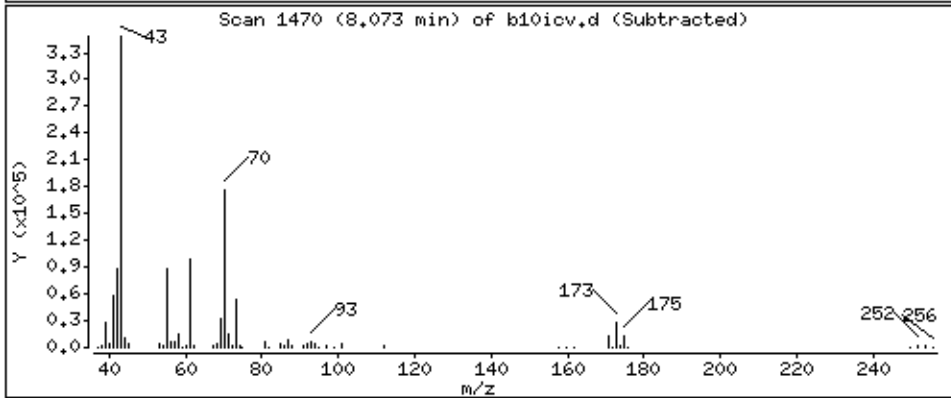
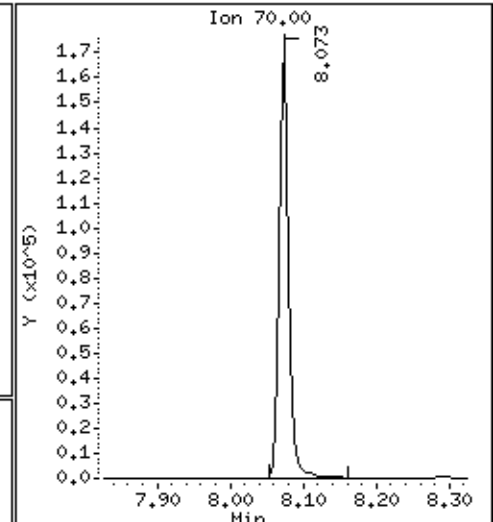
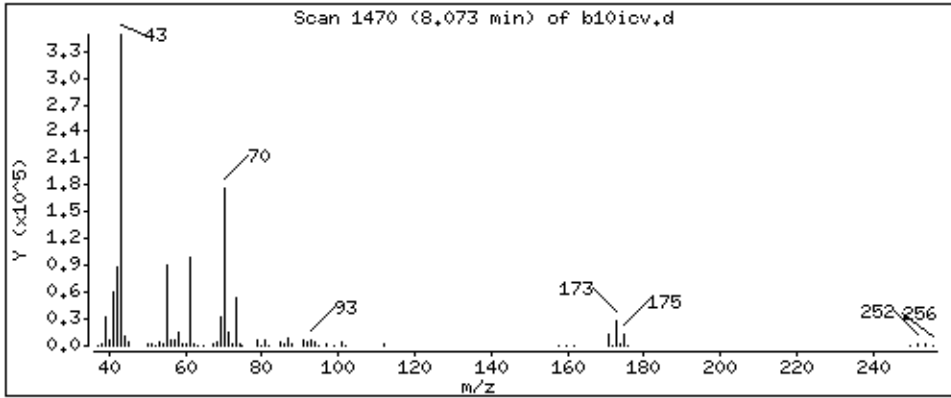
Purge Volume: 5.0

Operator: grm

Column phase: DB-624

Column diameter: 0,18

78 n-amyl acetate



Date : 19-JUN-2014 19:08

Client ID: 8260-ICV,71105;0

Instrument: 50mv1b.i

Sample Info: 8260-ICV,71105;0

Purge Volume: 5.0

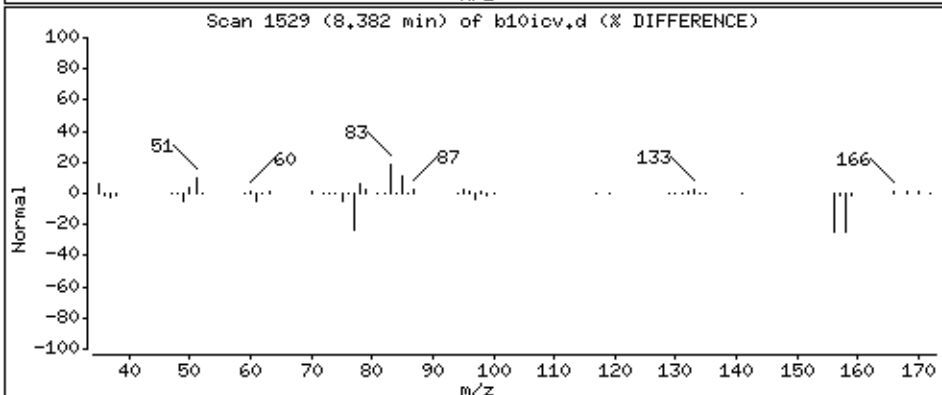
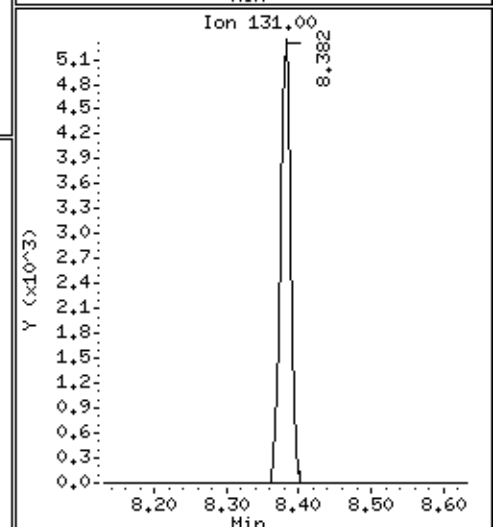
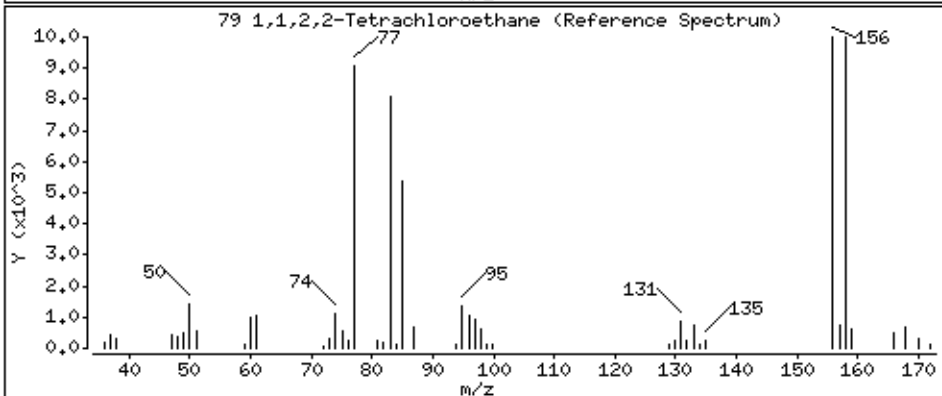
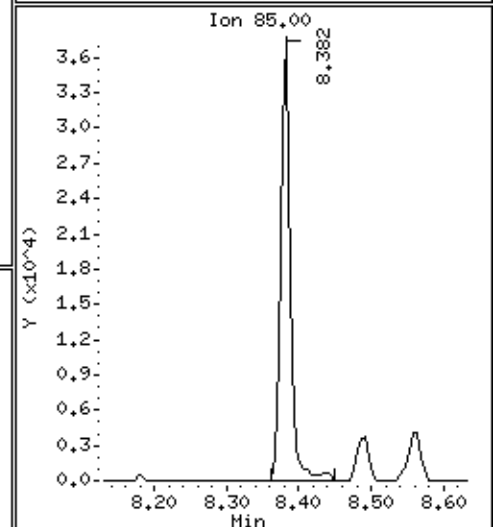
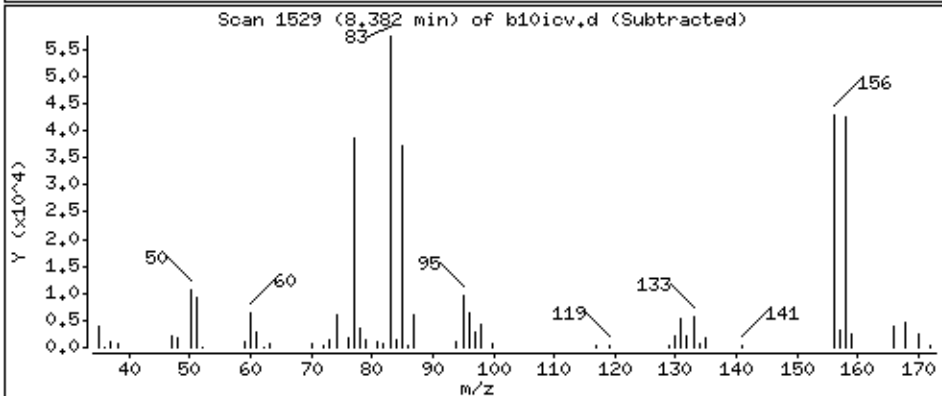
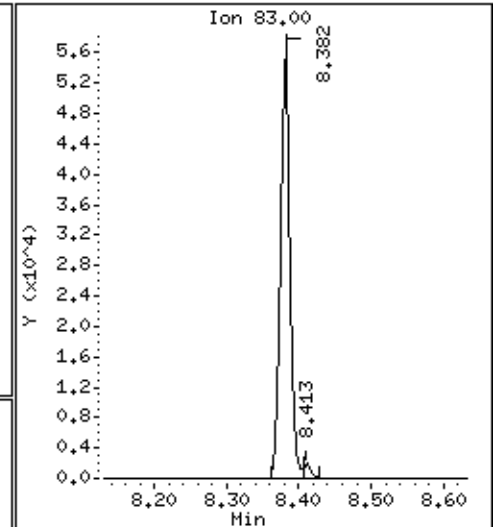
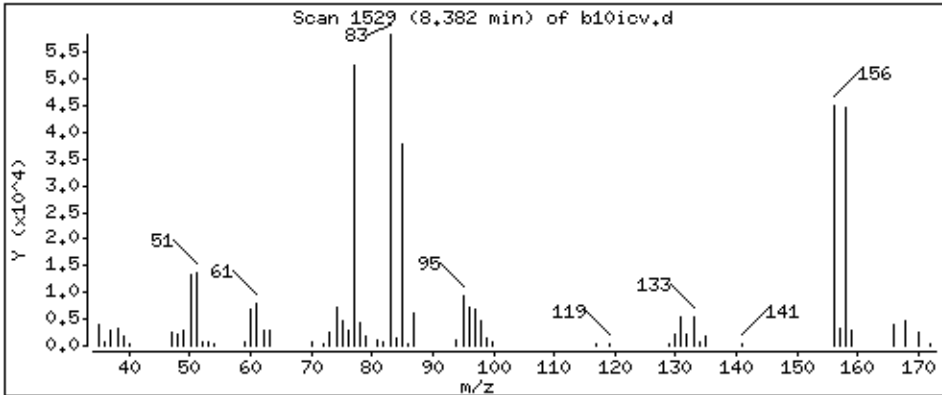
Operator: grm

Column phase: DB-624

Column diameter: 0,18

79 1,1,2,2-Tetrachloroethane

Concentration: 52.3 ppb



Date : 19-JUN-2014 19:08

Client ID: 8260-ICV,71105;0

Instrument: 50mv1b.i

Sample Info: 8260-ICV,71105;0

Purge Volume: 5.0

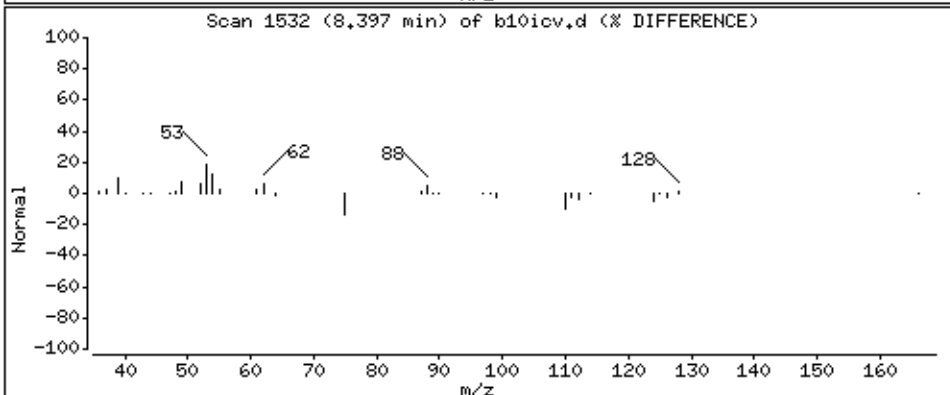
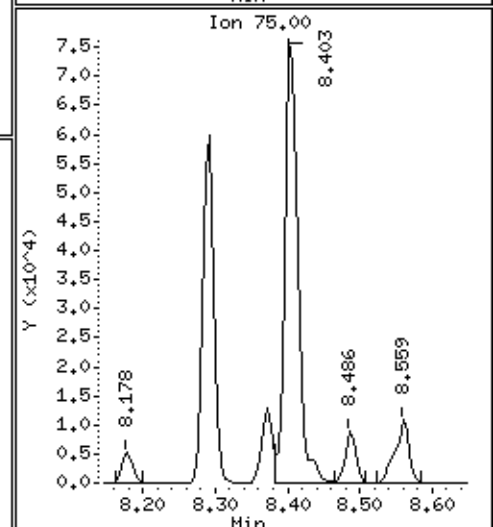
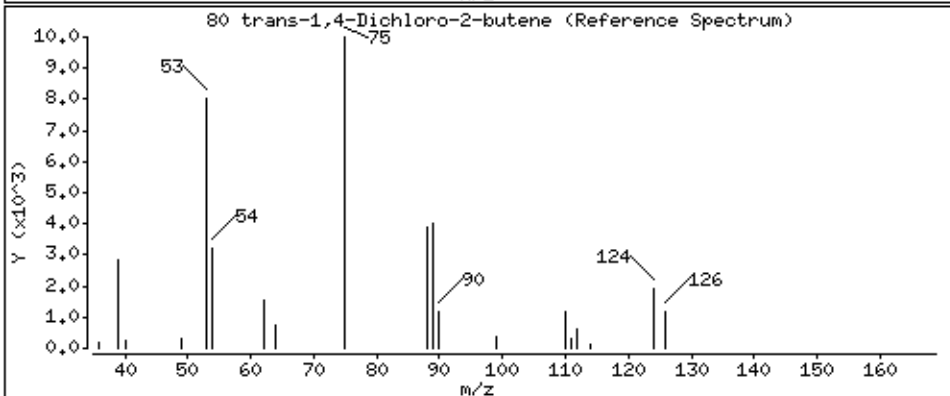
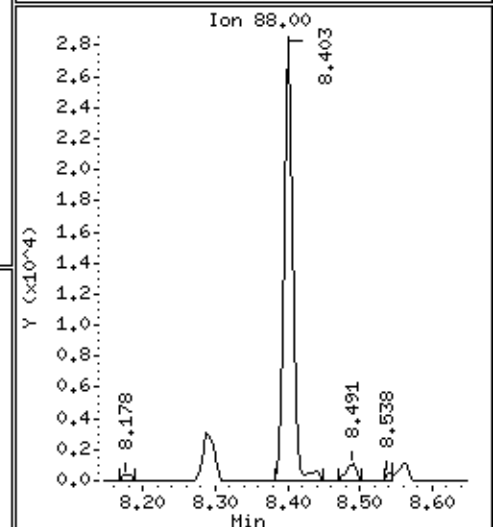
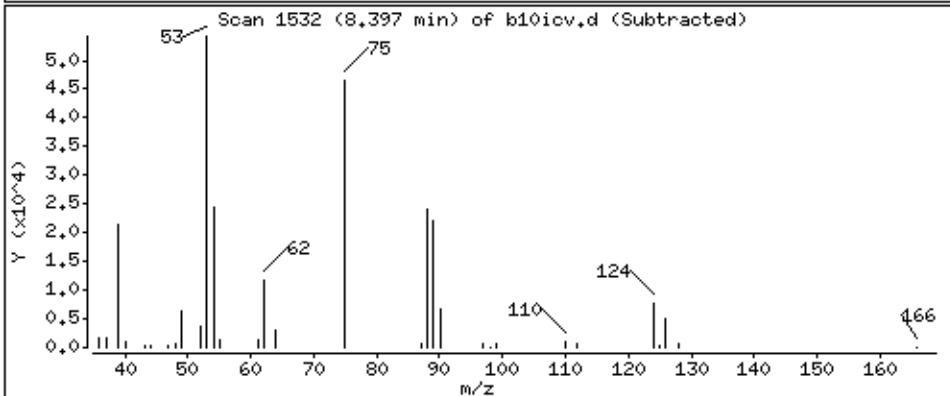
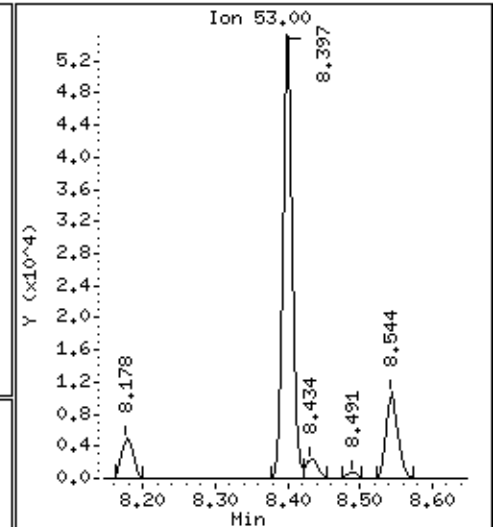
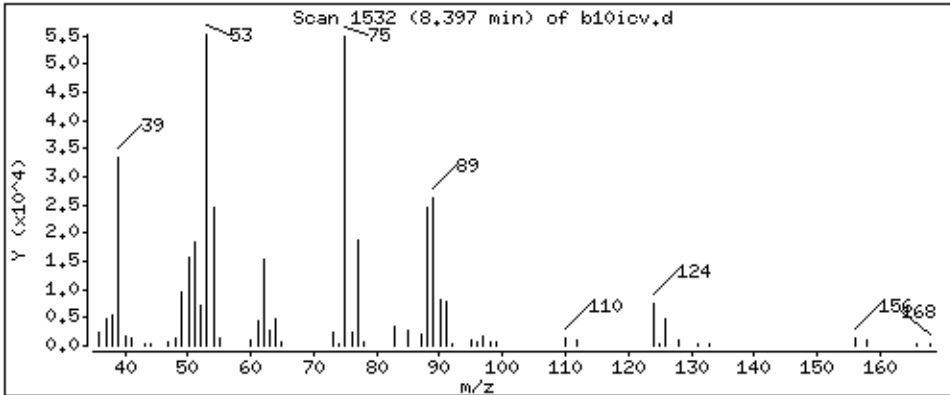
Operator: grm

Column phase: DB-624

Column diameter: 0,18

80 trans-1,4-Dichloro-2-butene

Concentration: 249 ppb



Date : 19-JUN-2014 19:08

Client ID: 8260-ICV,71105;0

Instrument: 50mv1b.i

Sample Info: 8260-ICV,71105;0

Purge Volume: 5.0

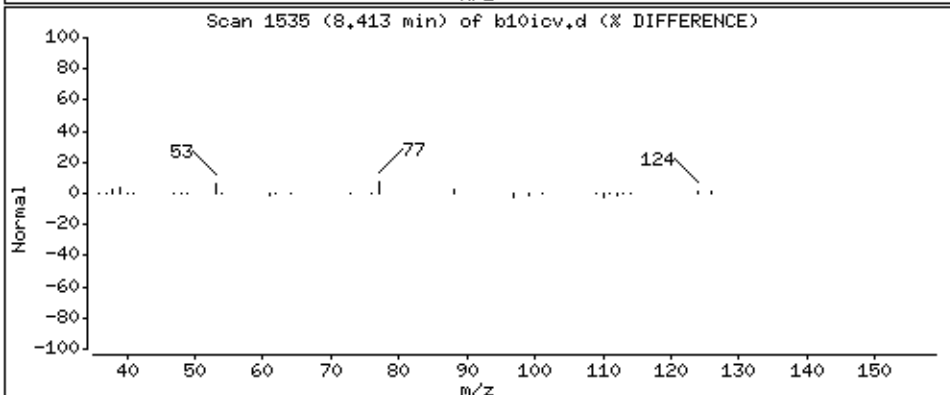
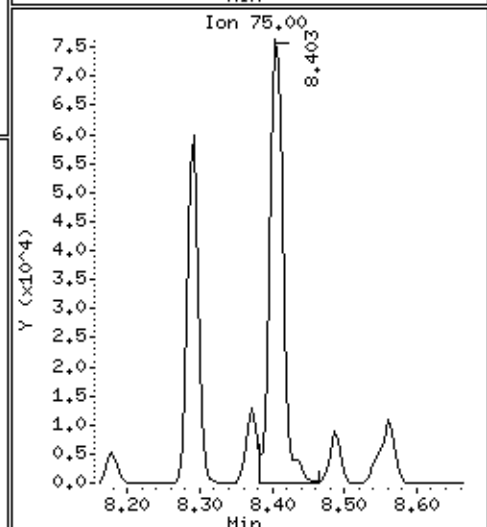
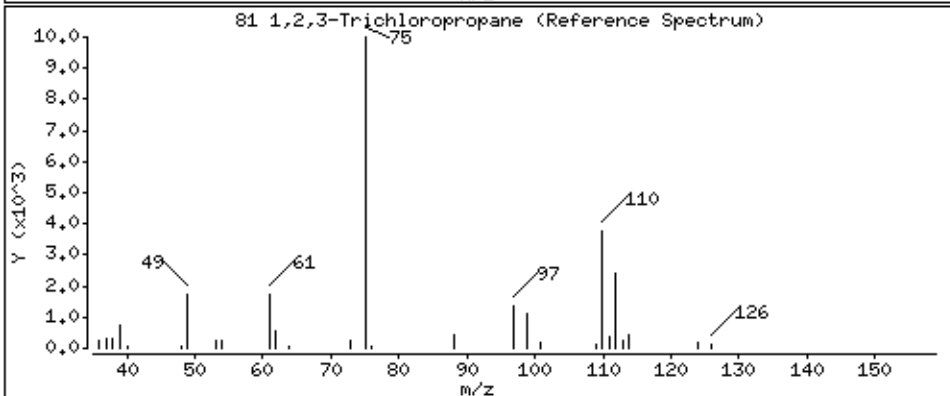
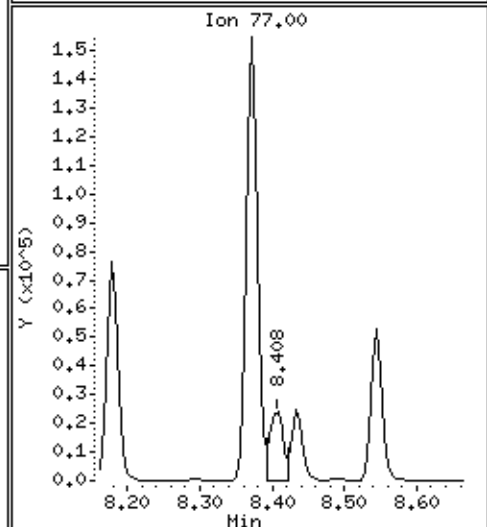
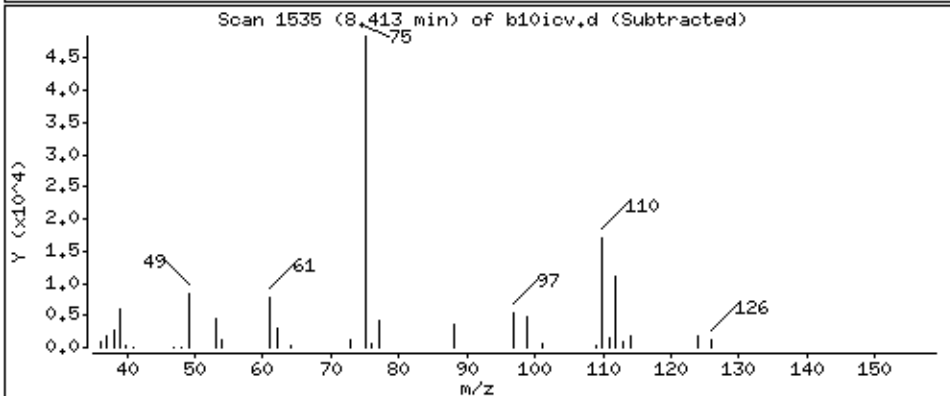
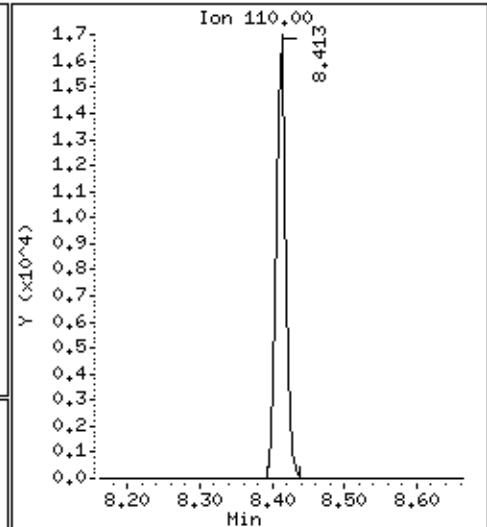
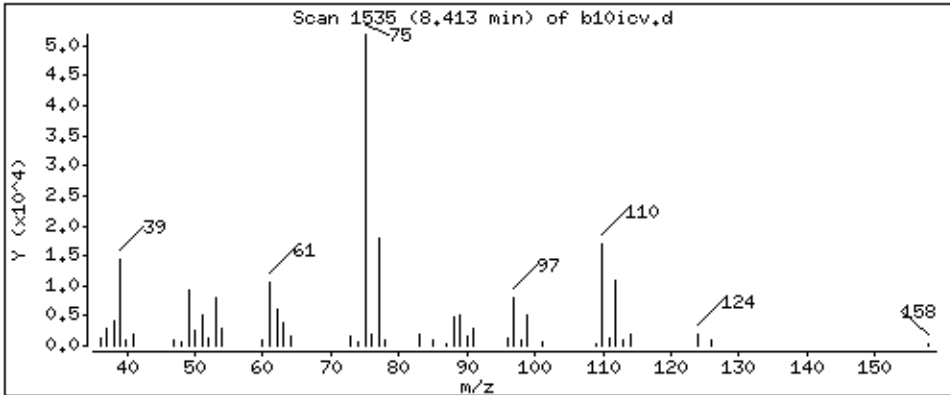
Operator: grm

Column phase: DB-624

Column diameter: 0,18

81 1,2,3-Trichloropropane

Concentration: 50,6 ppb



Date : 19-JUN-2014 19:08

Client ID: 8260-ICV,71105;0

Instrument: 50mv1b.i

Sample Info: 8260-ICV,71105;0

Purge Volume: 5.0

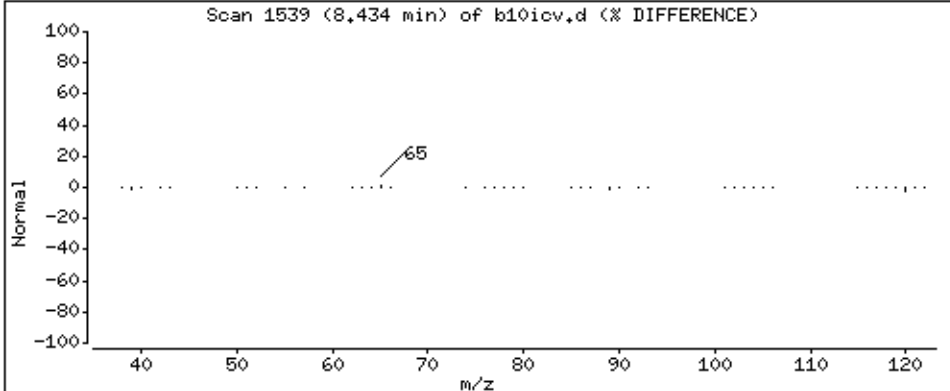
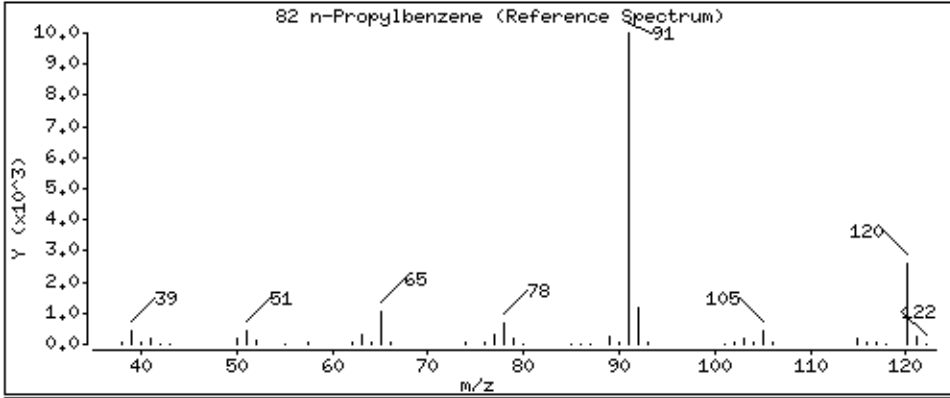
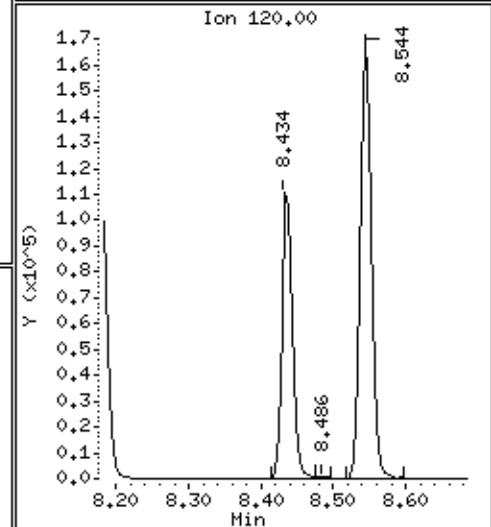
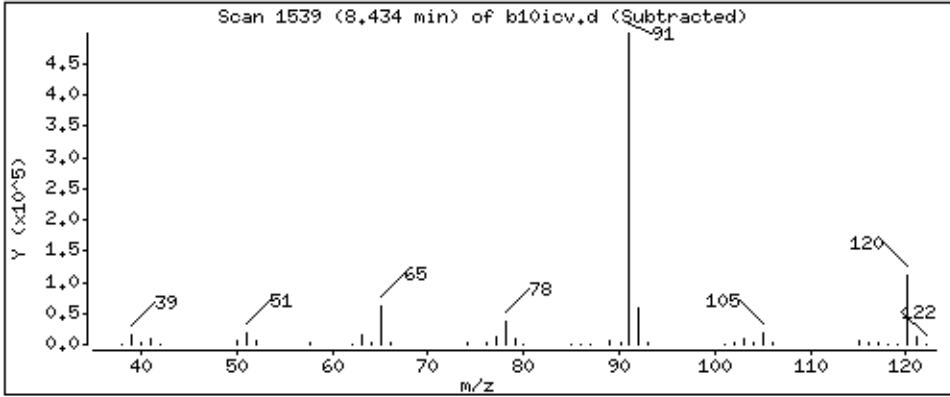
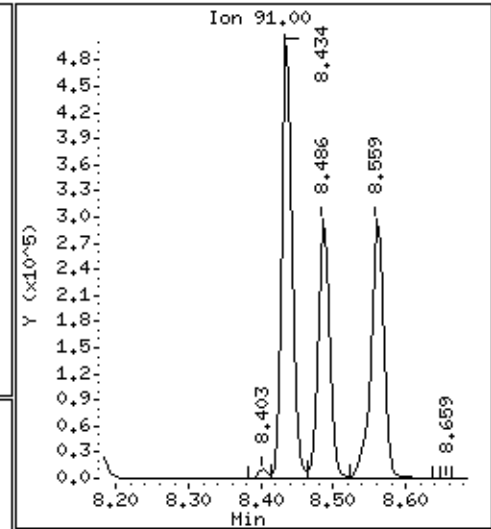
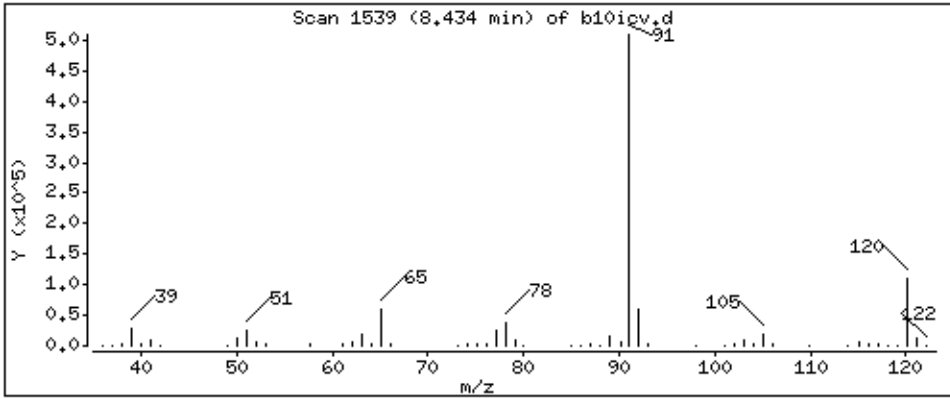
Operator: grm

Column phase: DB-624

Column diameter: 0,18

82 n-Propylbenzene

Concentration: 55,0 ppb



Date : 19-JUN-2014 19:08

Client ID: 8260-ICV,71105:0

Instrument: 50mv1b.i

Sample Info: 8260-ICV,71105:0

Purge Volume: 5.0

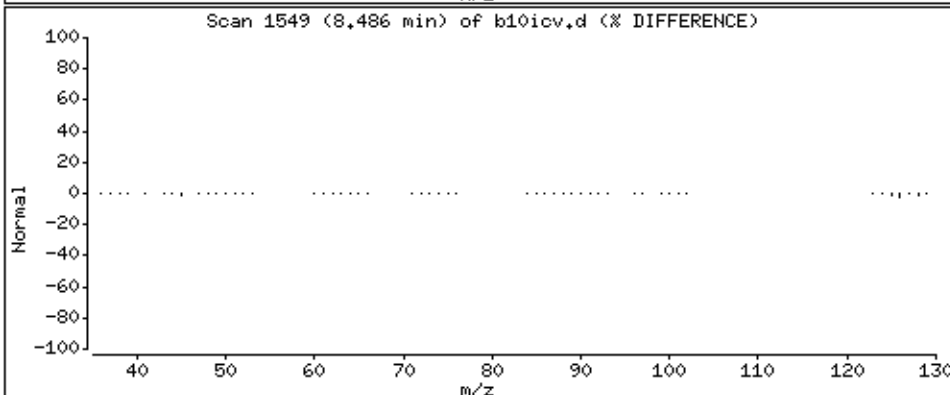
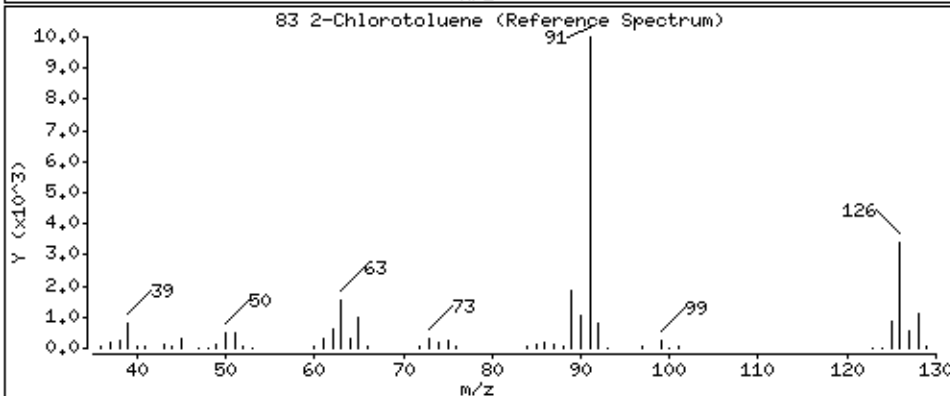
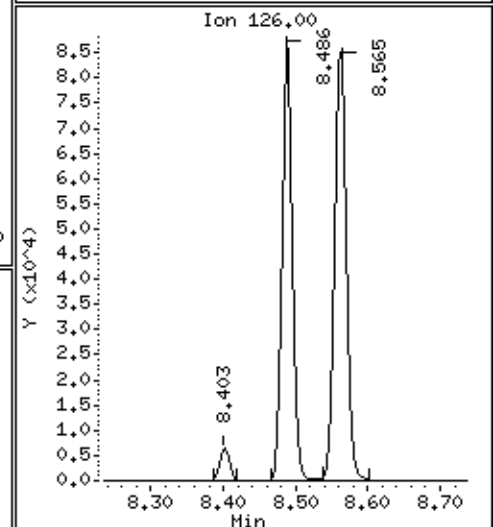
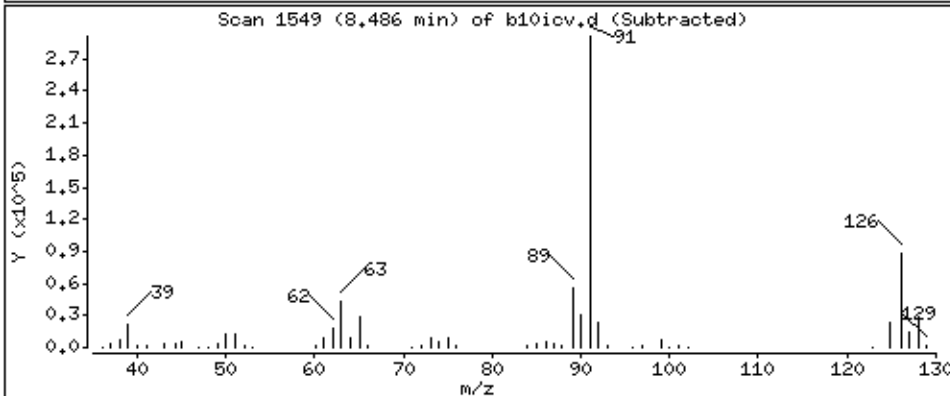
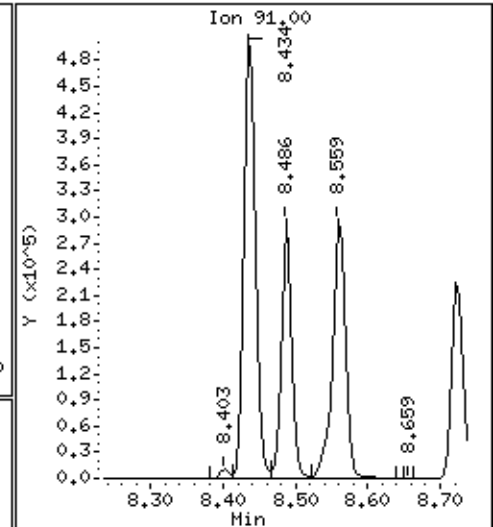
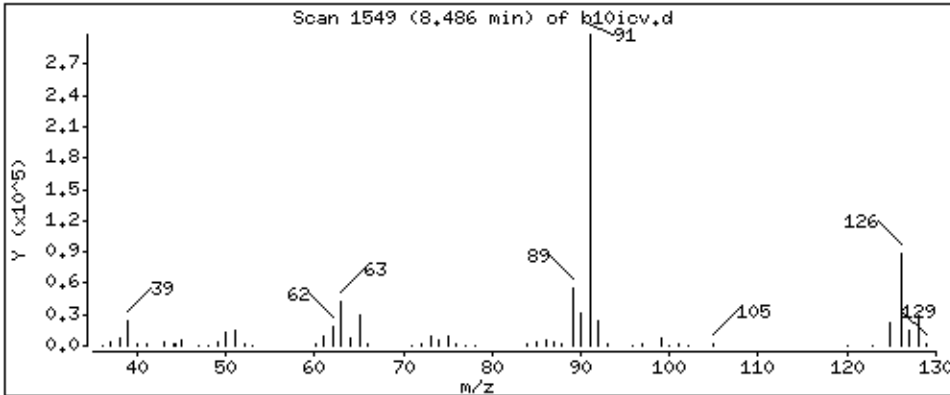
Operator: grm

Column phase: DB-624

Column diameter: 0,18

83 2-Chlorotoluene

Concentration: 51.6 ppb



Date : 19-JUN-2014 19:08

Client ID: 8260-ICV,71105;0

Instrument: 50mv1b.i

Sample Info: 8260-ICV,71105;0

Purge Volume: 5.0

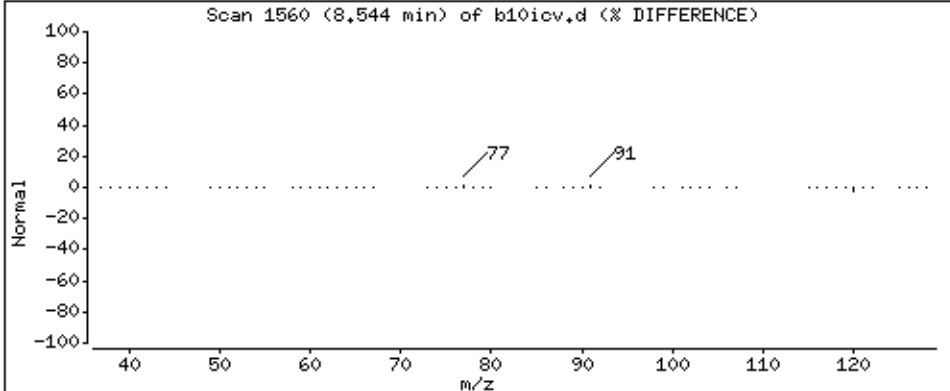
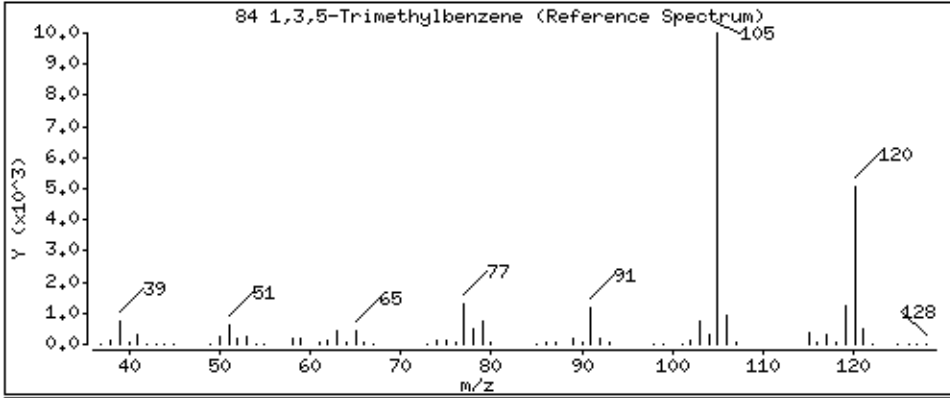
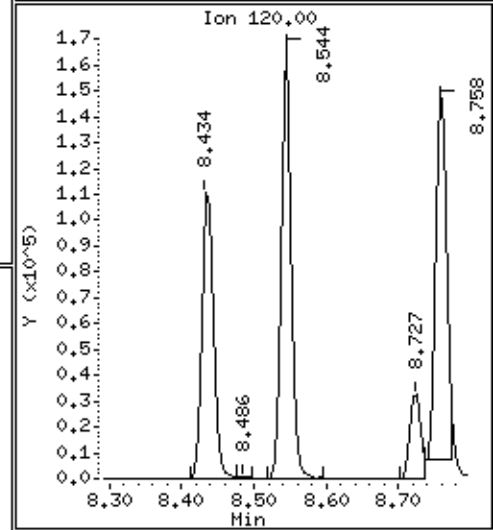
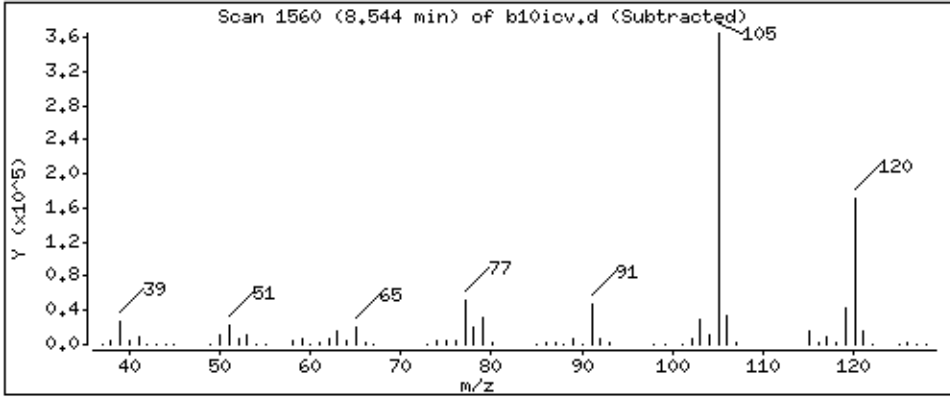
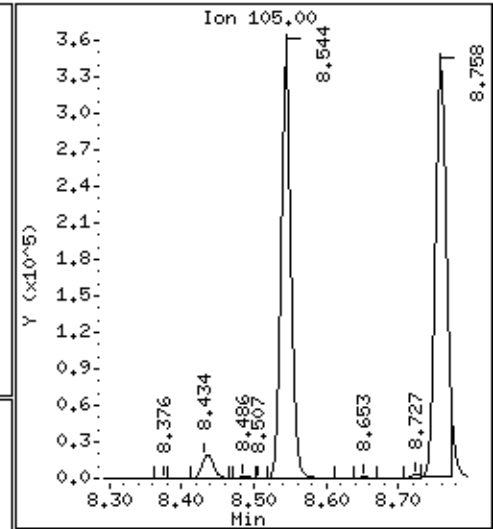
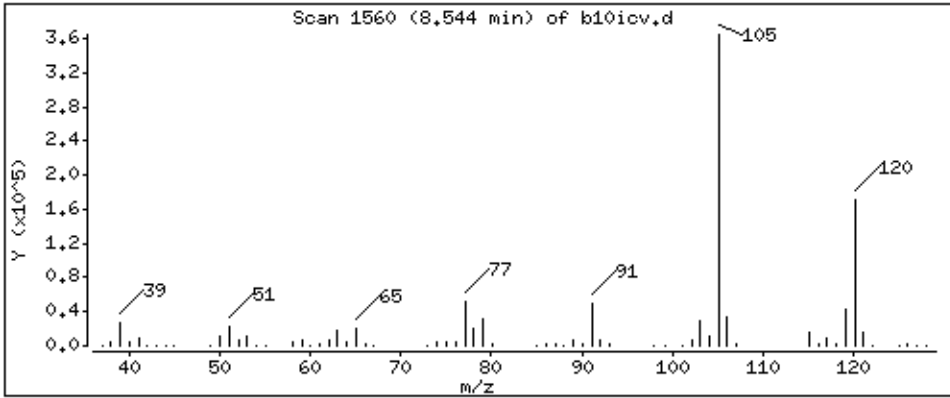
Operator: grm

Column phase: DB-624

Column diameter: 0,18

84 1,3,5-Trimethylbenzene

Concentration: 52.9 ppb



Date : 19-JUN-2014 19:08

Client ID: 8260-ICV,71105:0

Instrument: 50mv1b.i

Sample Info: 8260-ICV,71105:0

Purge Volume: 5.0

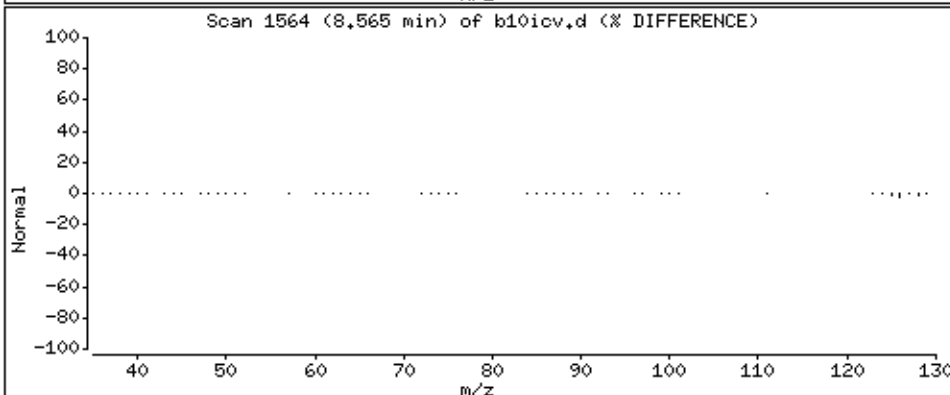
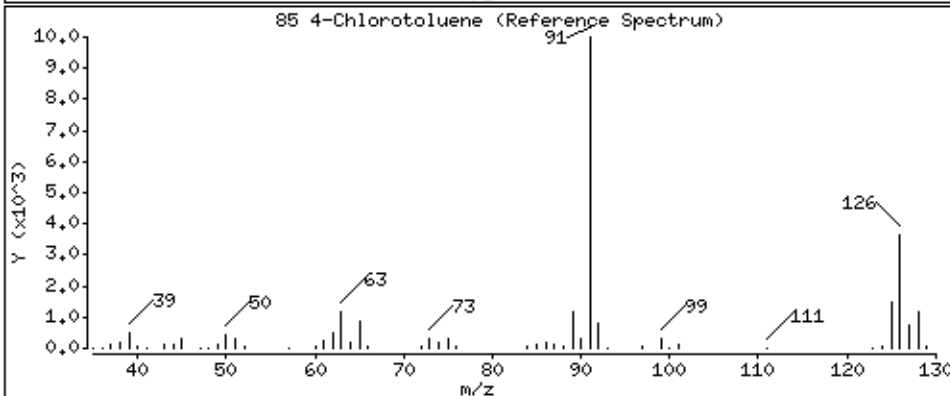
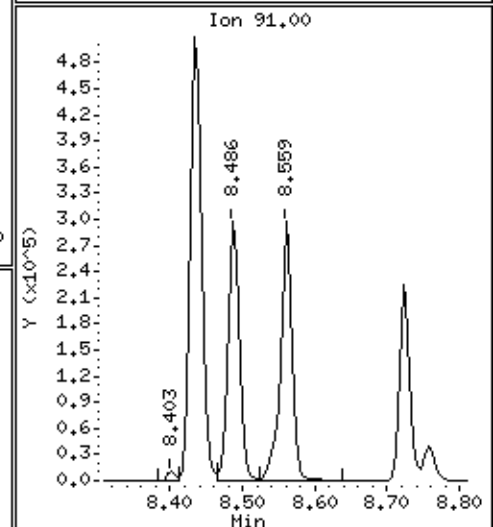
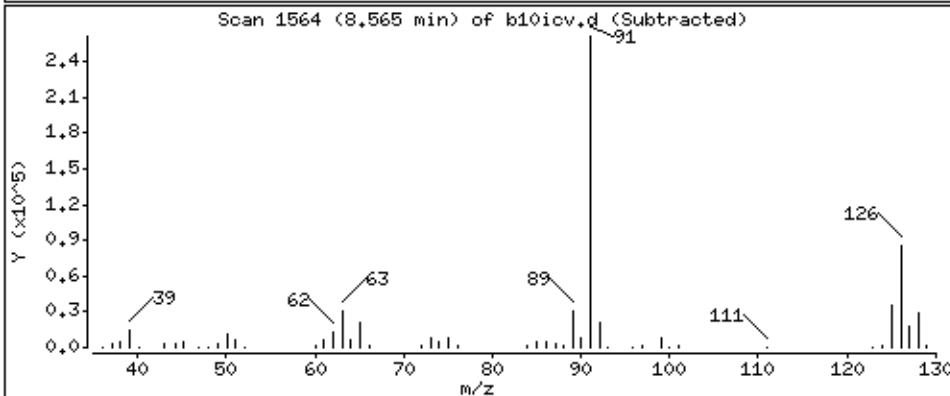
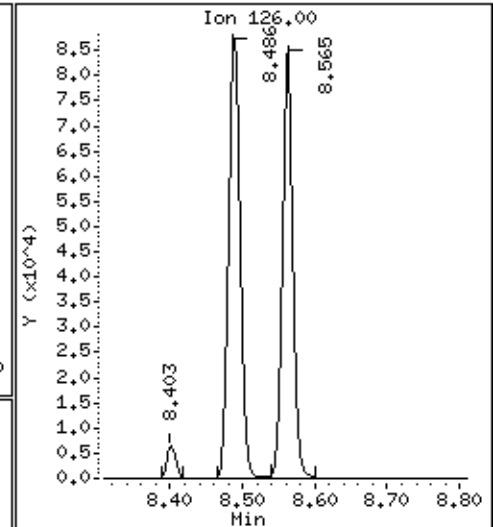
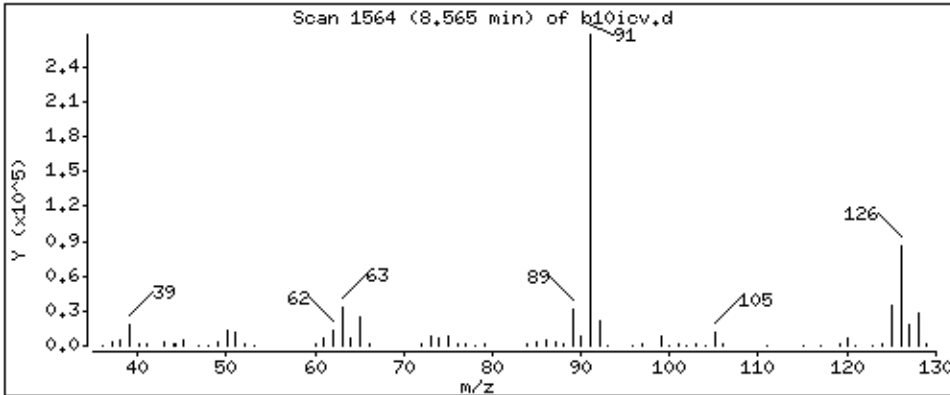
Operator: grm

Column phase: DB-624

Column diameter: 0,18

85 4-Chlorotoluene

Concentration: 51.5 ppb



Date : 19-JUN-2014 19:08

Client ID: 8260-ICV,71105;0

Instrument: 50mv1b.i

Sample Info: 8260-ICV,71105;0

Purge Volume: 5.0

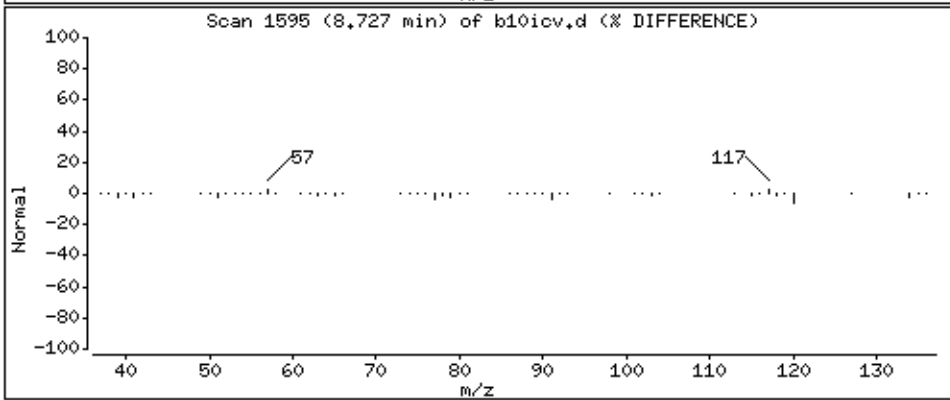
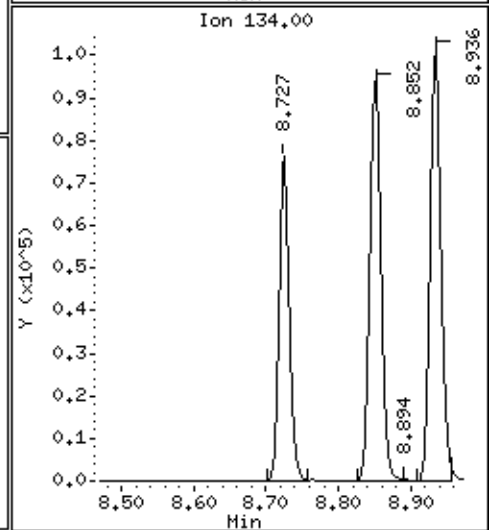
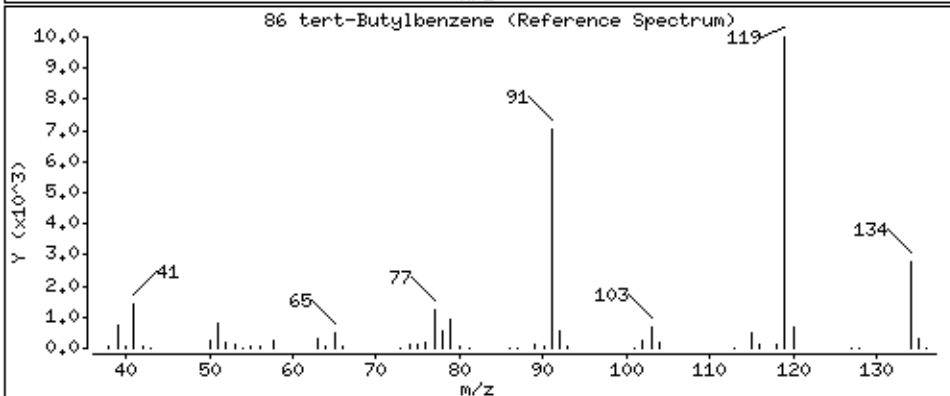
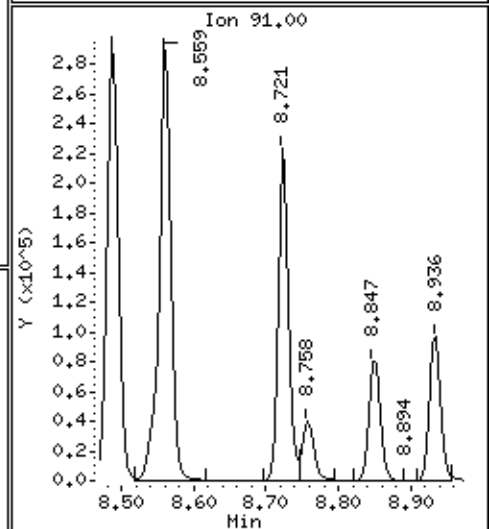
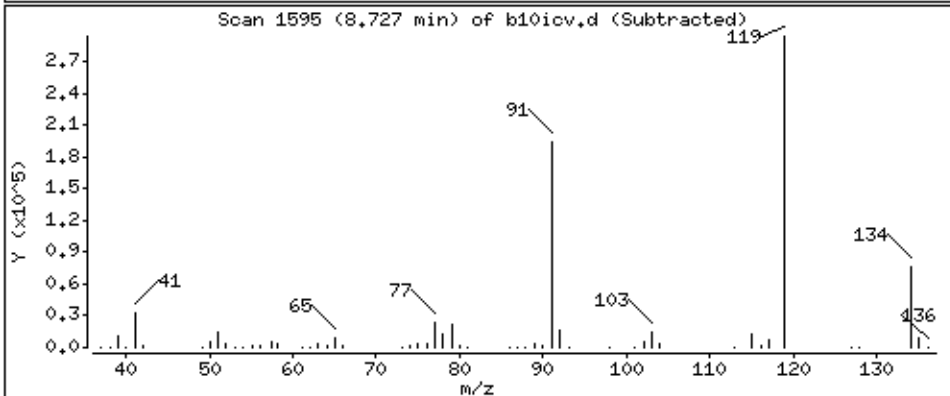
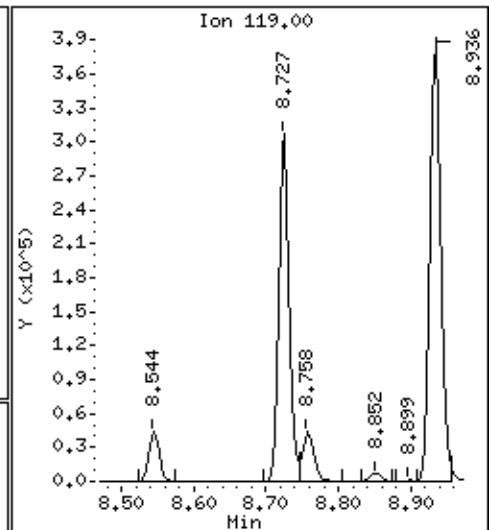
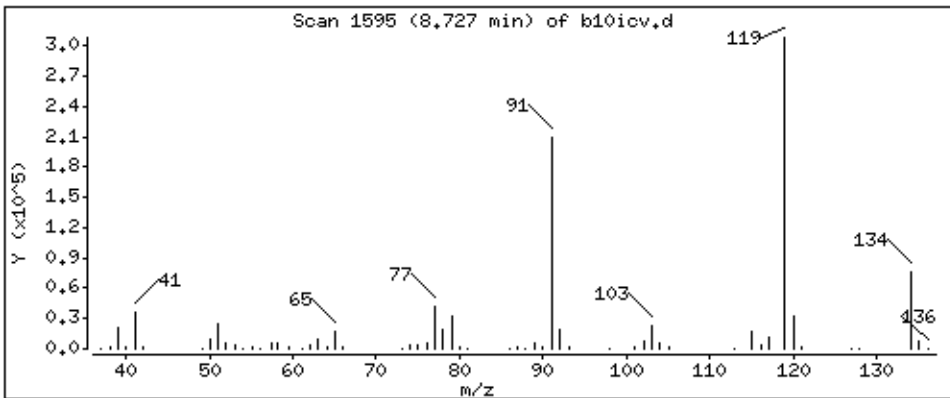
Operator: grm

Column phase: DB-624

Column diameter: 0,18

86 tert-Butylbenzene

Concentration: 52.2 ppb



Date : 19-JUN-2014 19:08

Client ID: 8260-ICV,71105;0

Instrument: 50mv1b.i

Sample Info: 8260-ICV,71105;0

Purge Volume: 5.0

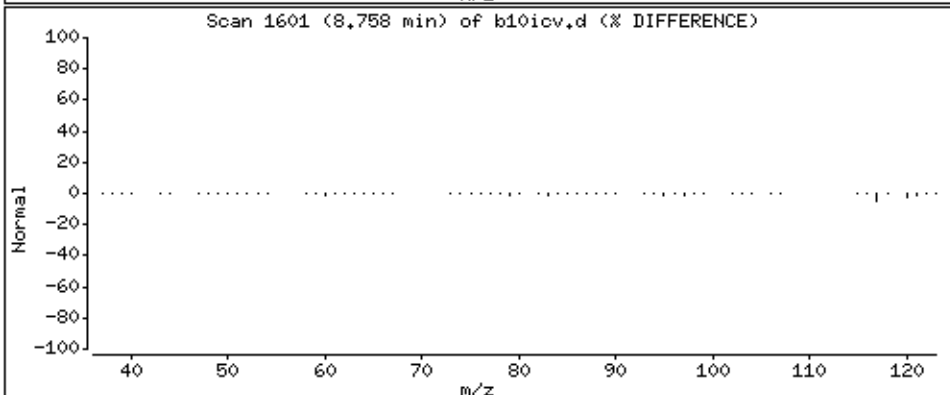
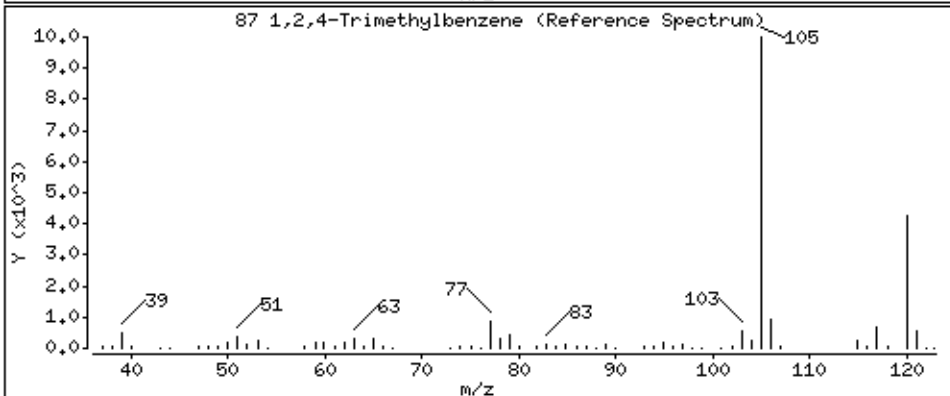
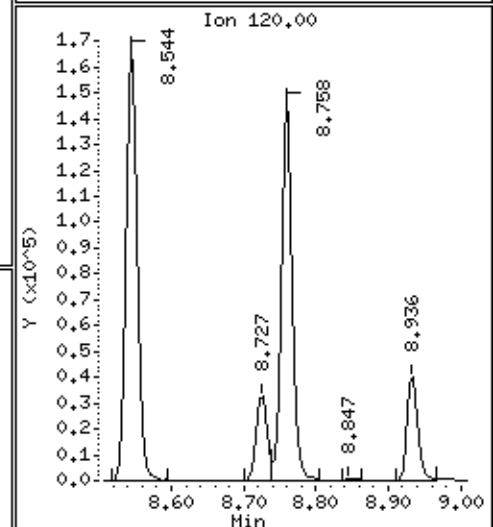
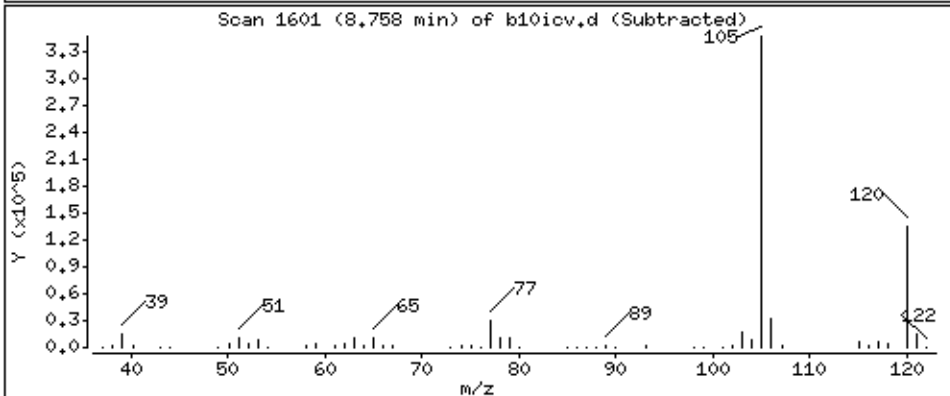
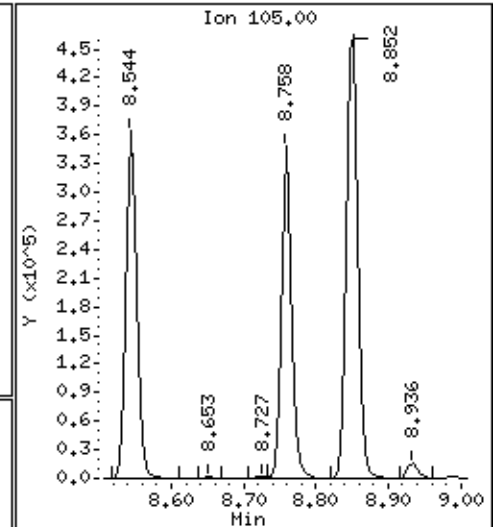
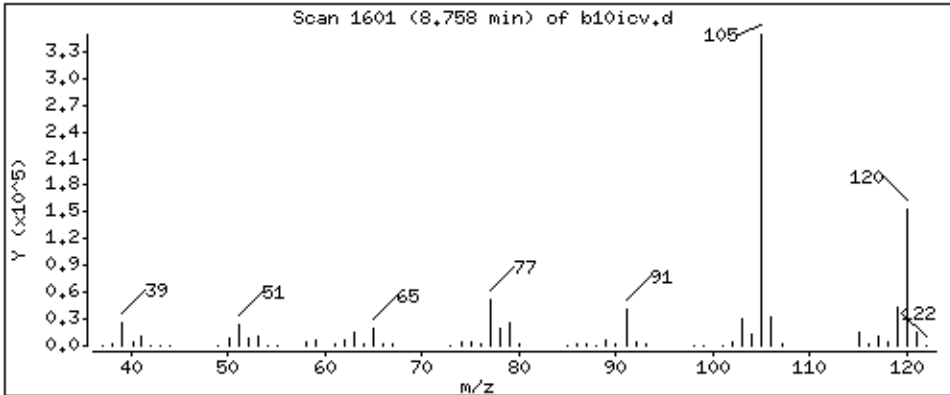
Operator: grm

Column phase: DB-624

Column diameter: 0,18

87 1,2,4-Trimethylbenzene

Concentration: 54,6 ppb



Date : 19-JUN-2014 19:08

Client ID: 8260-ICV,71105;0

Instrument: 50mv1b.i

Sample Info: 8260-ICV,71105;0

Purge Volume: 5.0

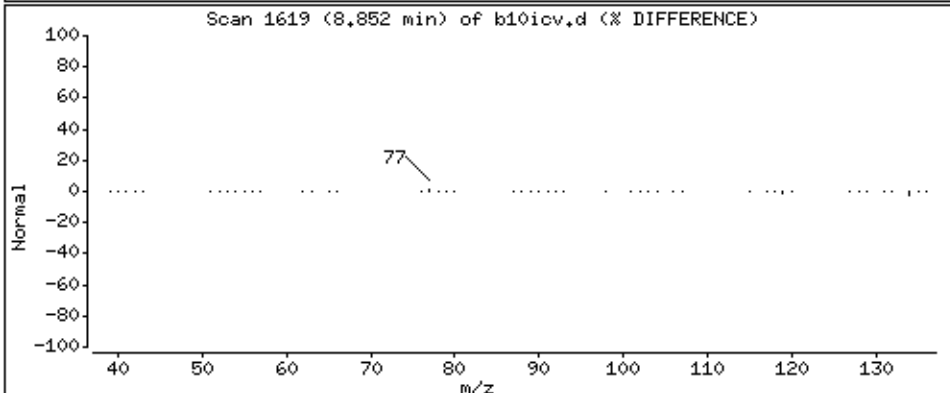
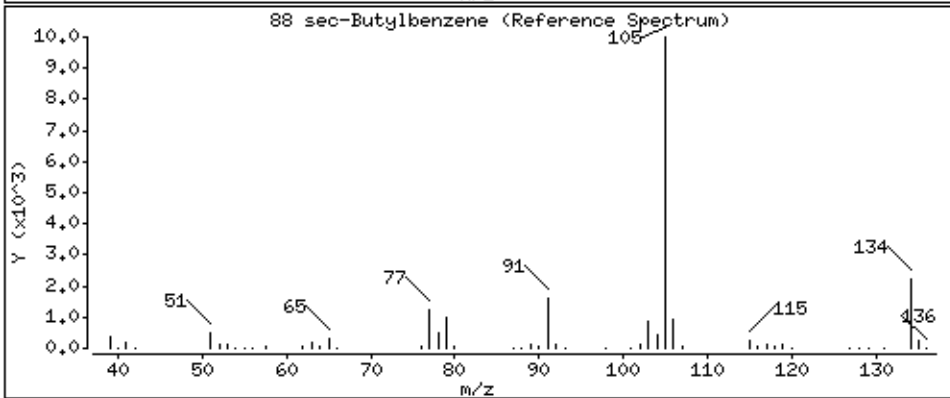
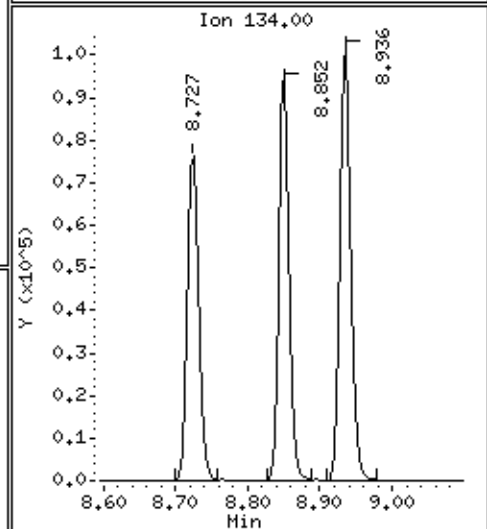
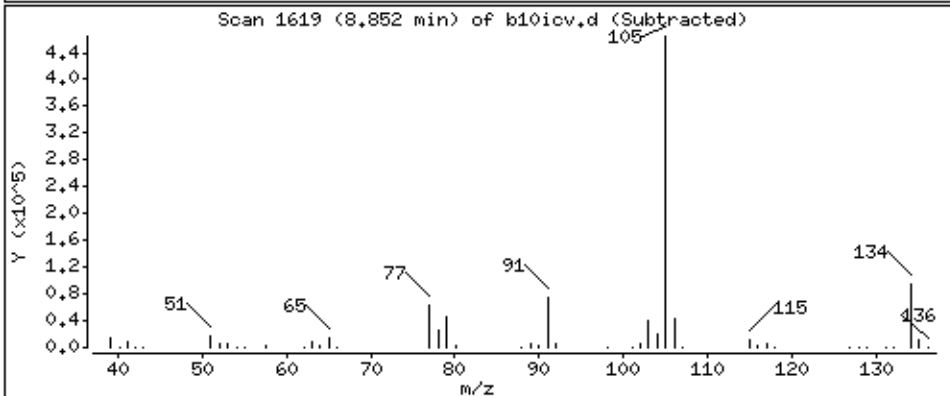
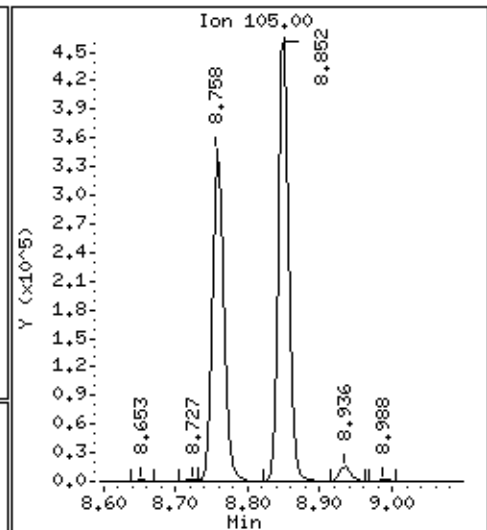
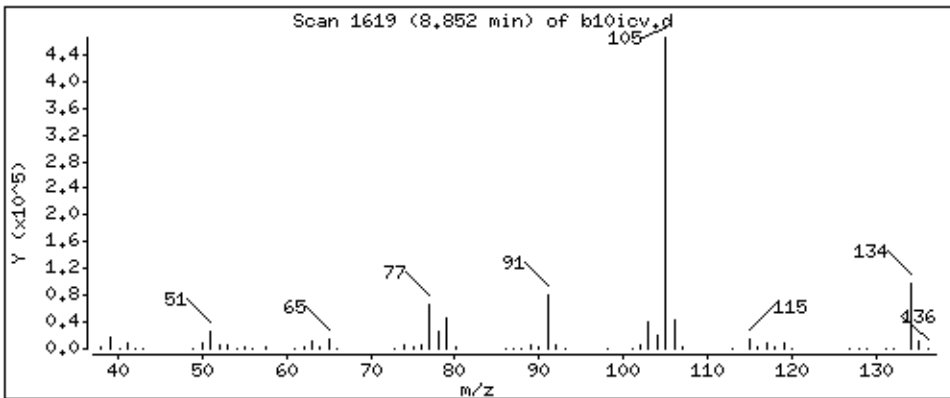
Operator: grm

Column phase: DB-624

Column diameter: 0,18

88 sec-Butylbenzene

Concentration: 54,4 ppb



Date : 19-JUN-2014 19:08

Client ID: 8260-ICV,71105:0

Instrument: 50mv1b.i

Sample Info: 8260-ICV,71105:0

Purge Volume: 5.0

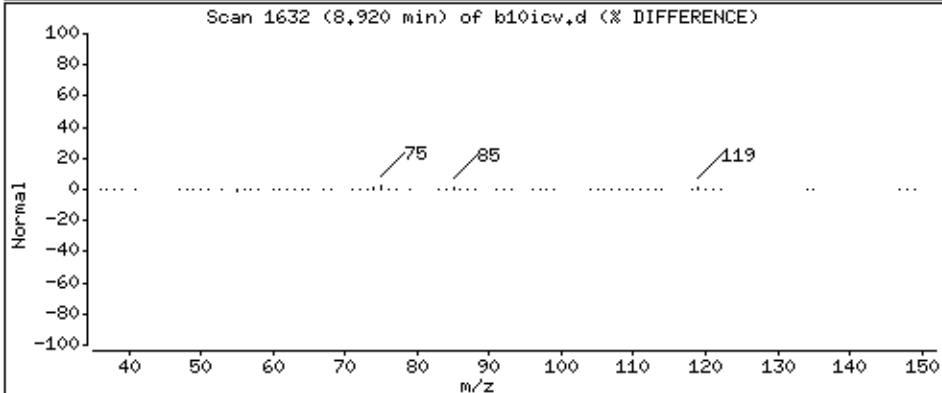
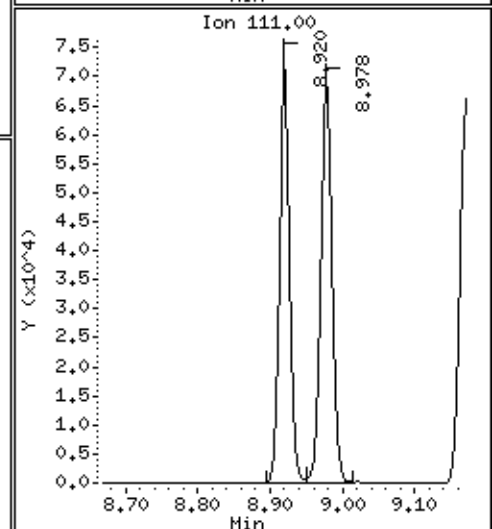
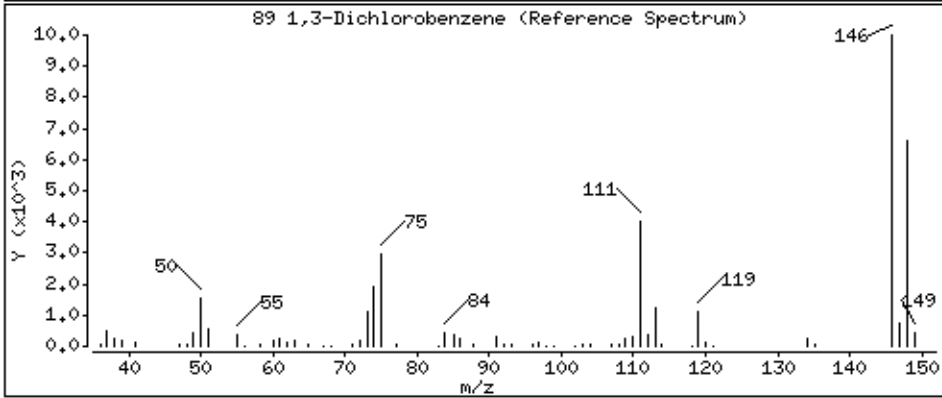
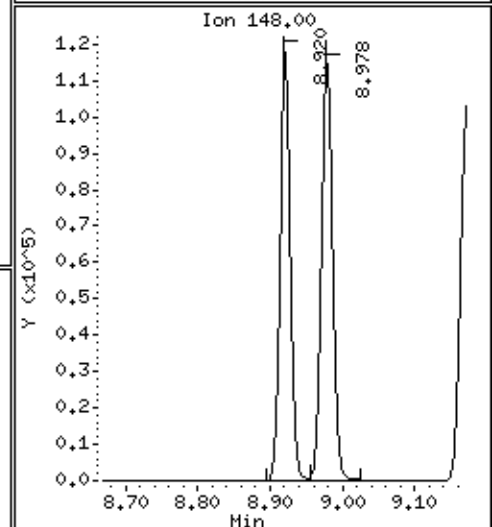
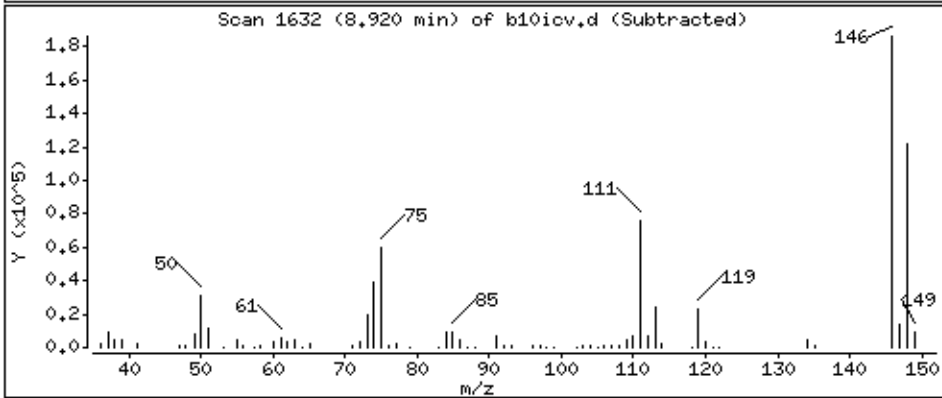
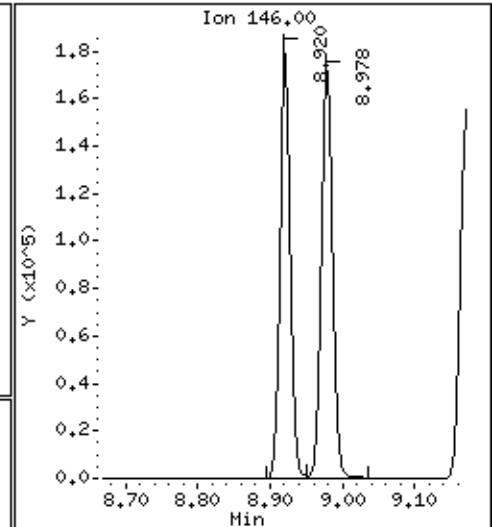
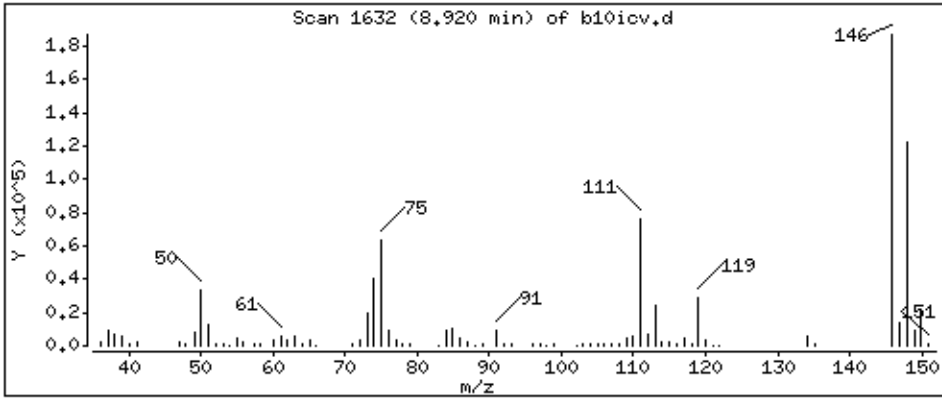
Operator: grm

Column phase: DB-624

Column diameter: 0,18

89 1,3-Dichlorobenzene

Concentration: 51.3 ppb



Date : 19-JUN-2014 19:08

Client ID: 8260-ICV,71105;0

Instrument: 50mv1b.i

Sample Info: 8260-ICV,71105;0

Purge Volume: 5.0

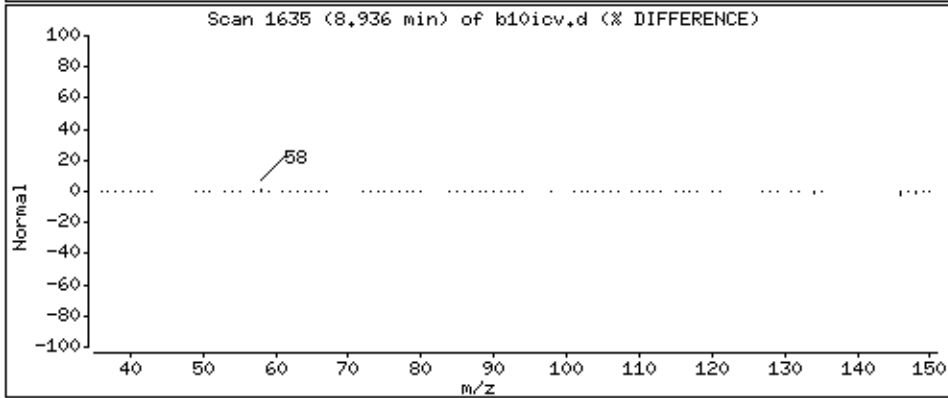
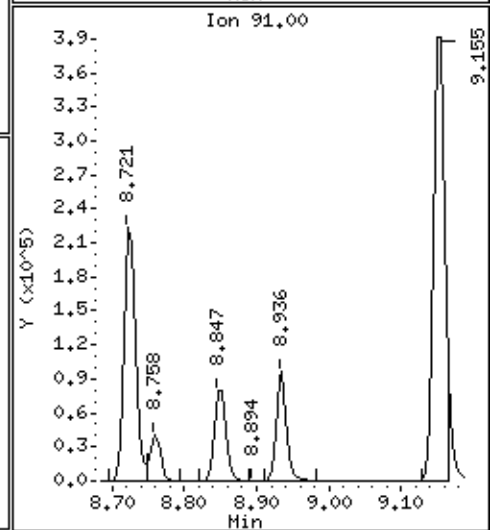
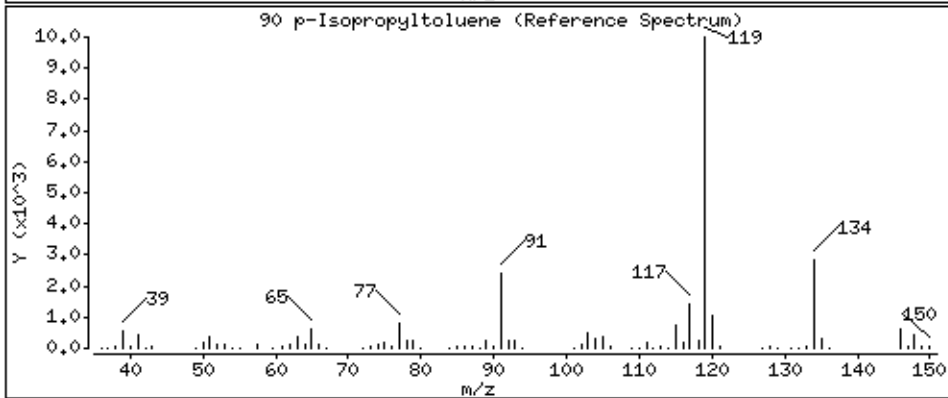
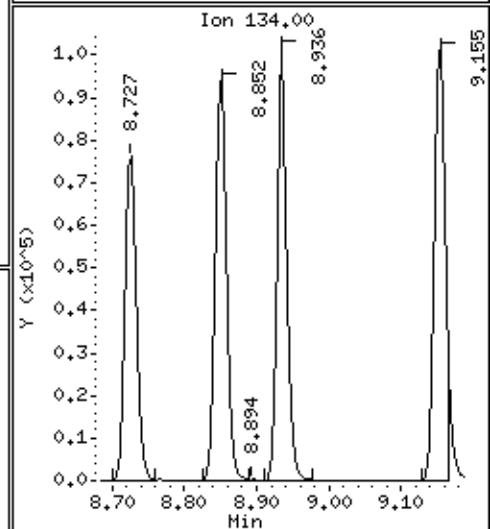
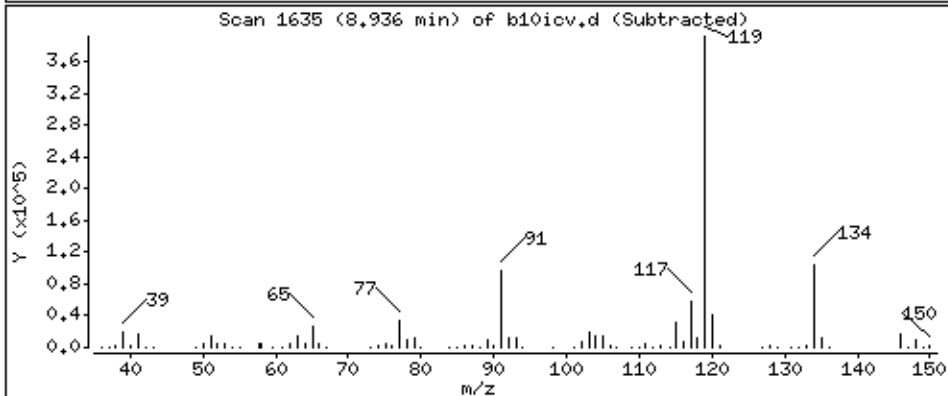
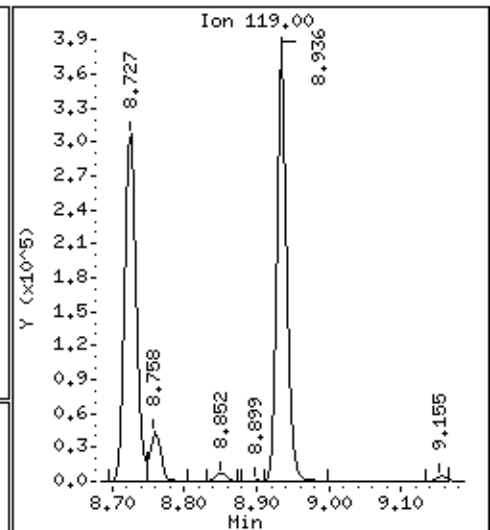
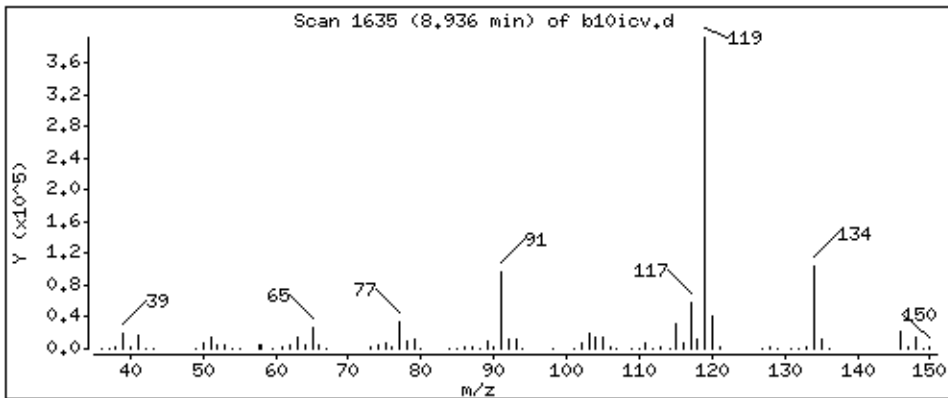
Operator: grm

Column phase: DB-624

Column diameter: 0,18

90 p-Isopropyltoluene

Concentration: 52.1 ppb



Date : 19-JUN-2014 19:08

Client ID: 8260-ICV,71105;0

Instrument: 50mv1b.i

Sample Info: 8260-ICV,71105;0

Purge Volume: 5.0

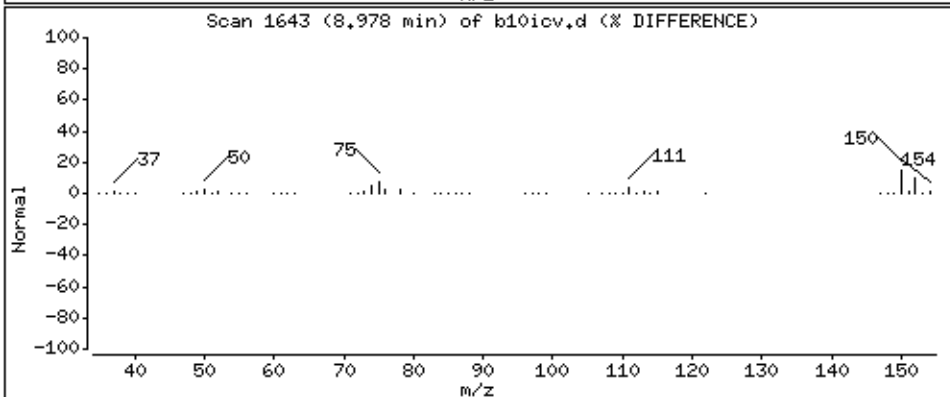
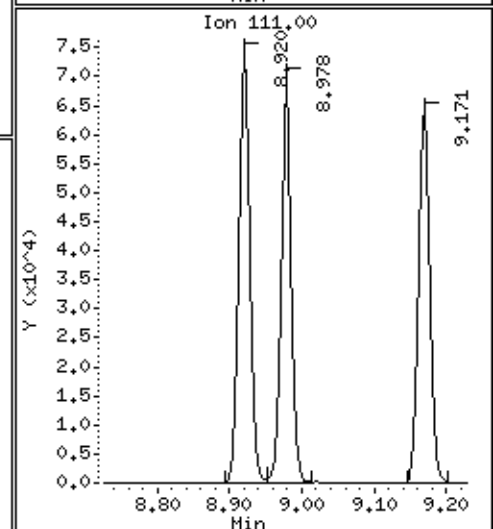
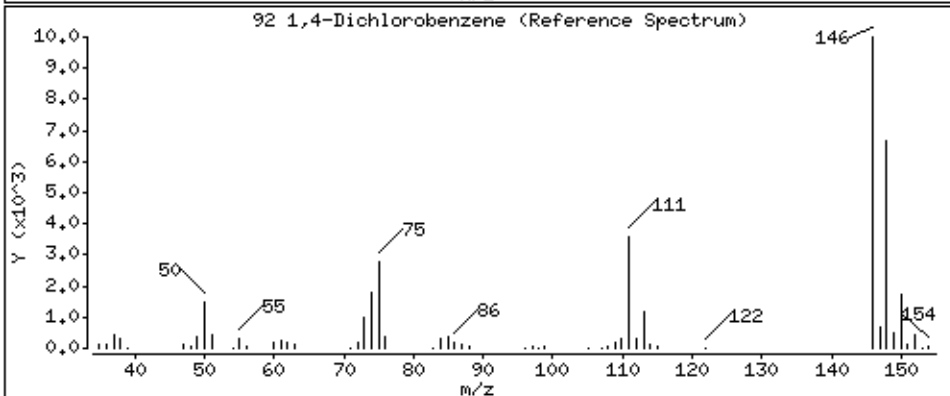
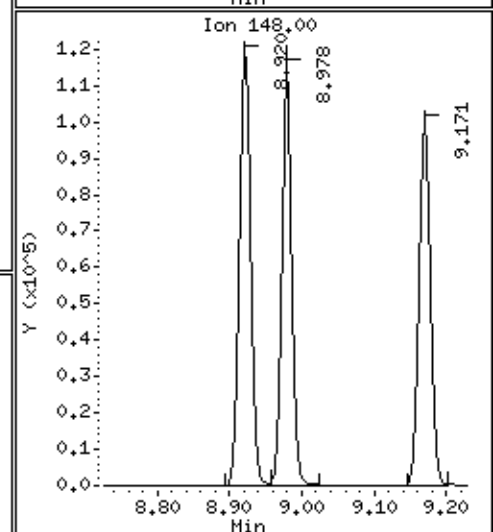
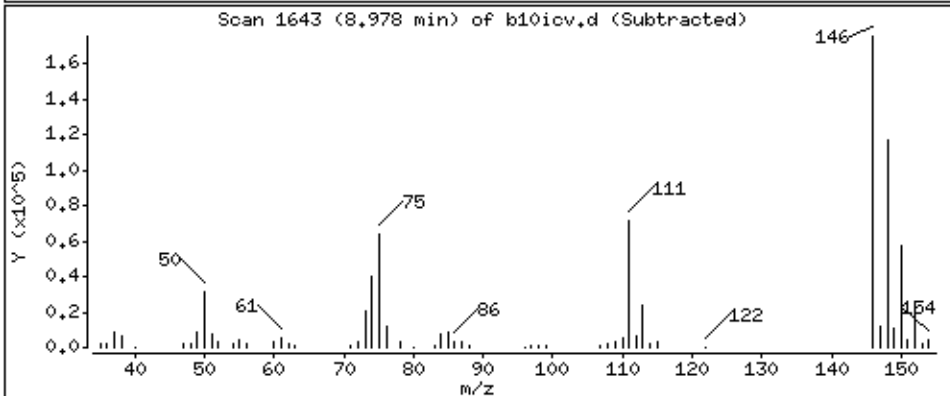
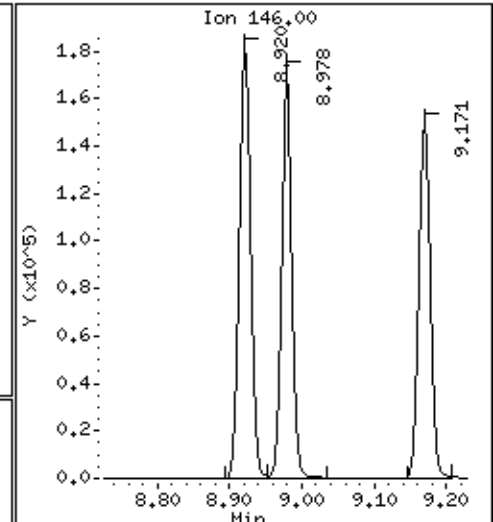
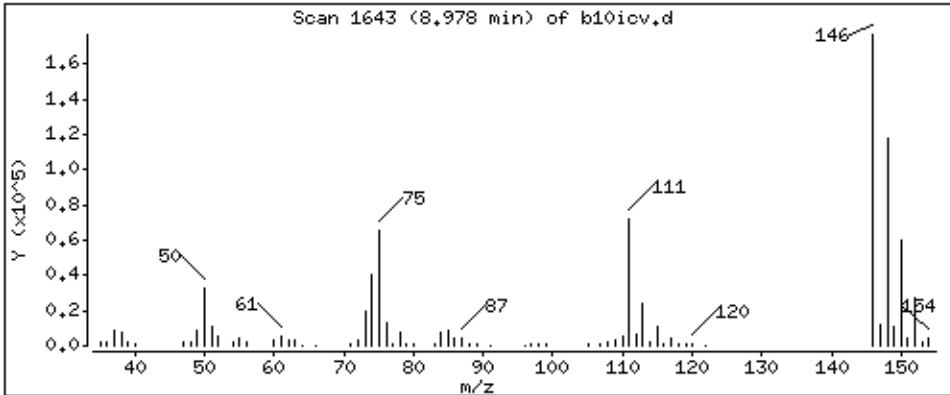
Operator: grm

Column phase: DB-624

Column diameter: 0,18

92 1,4-Dichlorobenzene

Concentration: 51.3 ppb



Date : 19-JUN-2014 19:08

Client ID: 8260-ICV,71105:0

Instrument: 50mv1b.i

Sample Info: 8260-ICV,71105:0

Purge Volume: 5.0

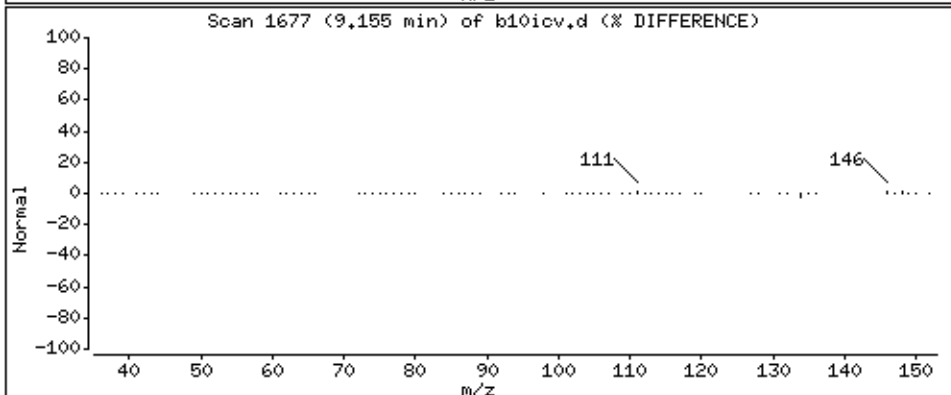
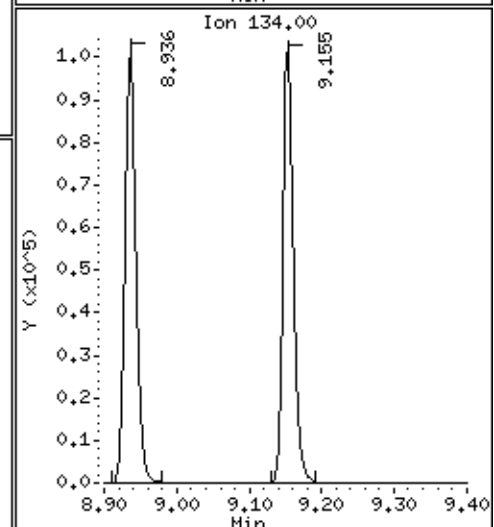
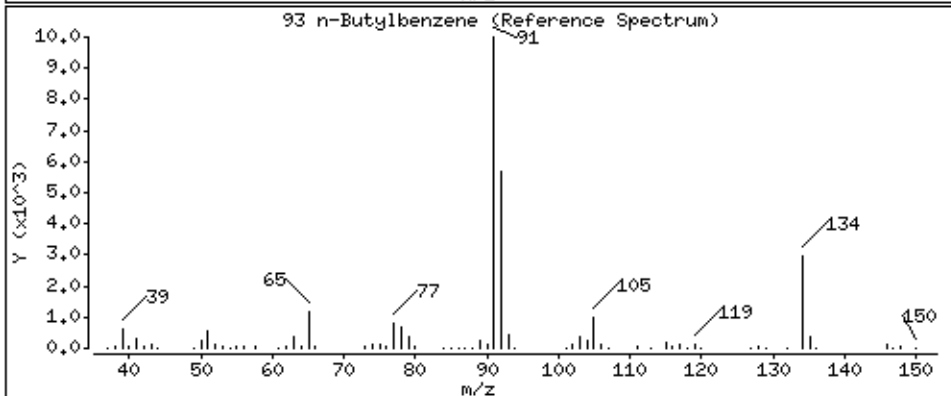
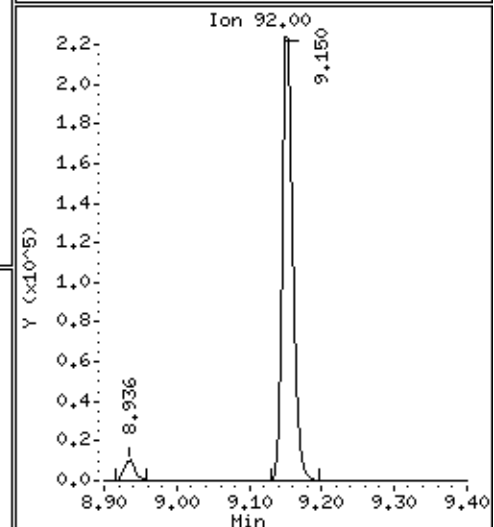
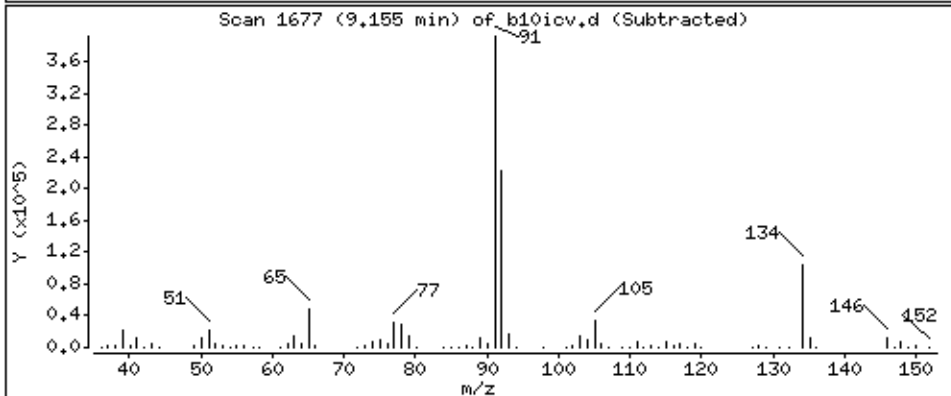
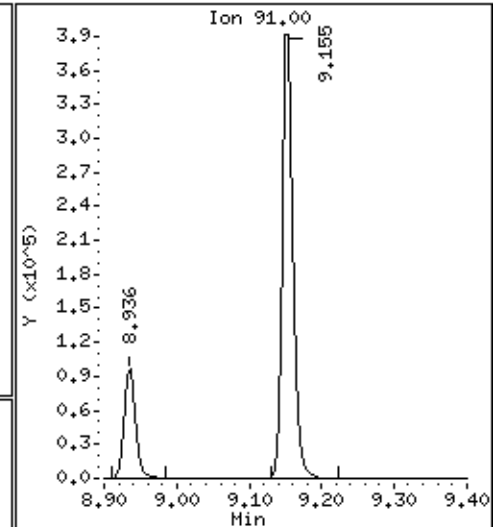
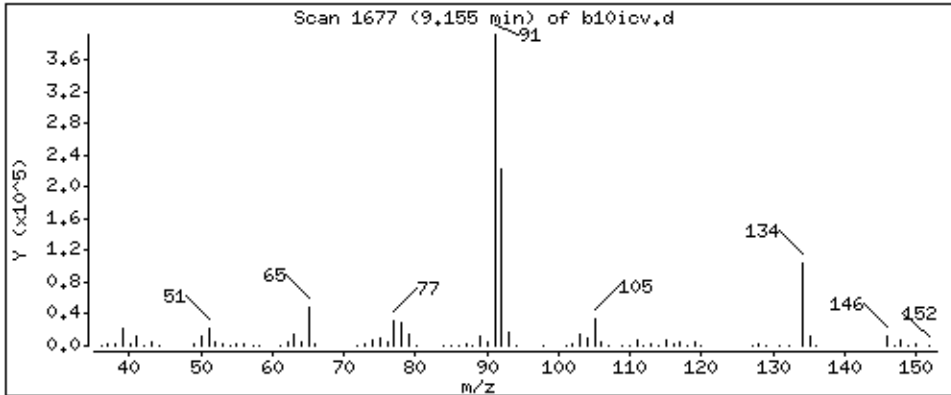
Operator: grm

Column phase: DB-624

Column diameter: 0,18

93 n-Butylbenzene

Concentration: 54,5 ppb



Date : 19-JUN-2014 19:08

Client ID: 8260-ICV,71105;0

Instrument: 50mv1b.i

Sample Info: 8260-ICV,71105;0

Purge Volume: 5.0

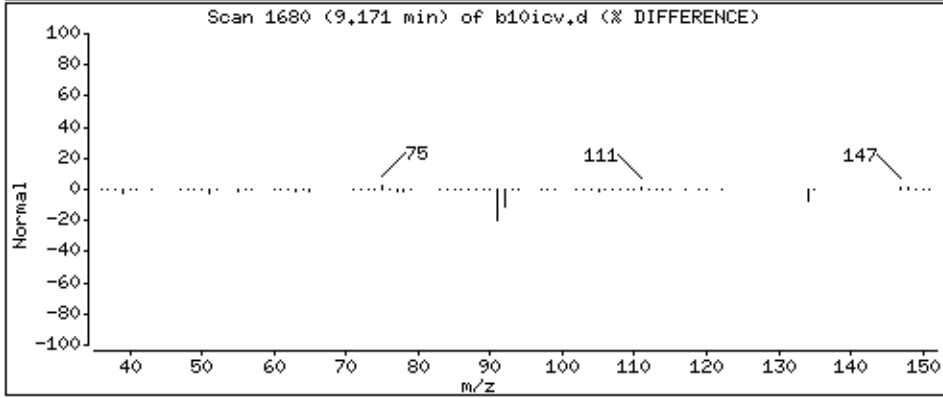
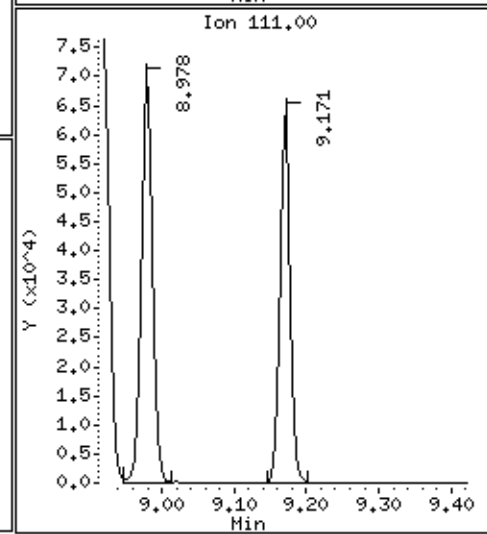
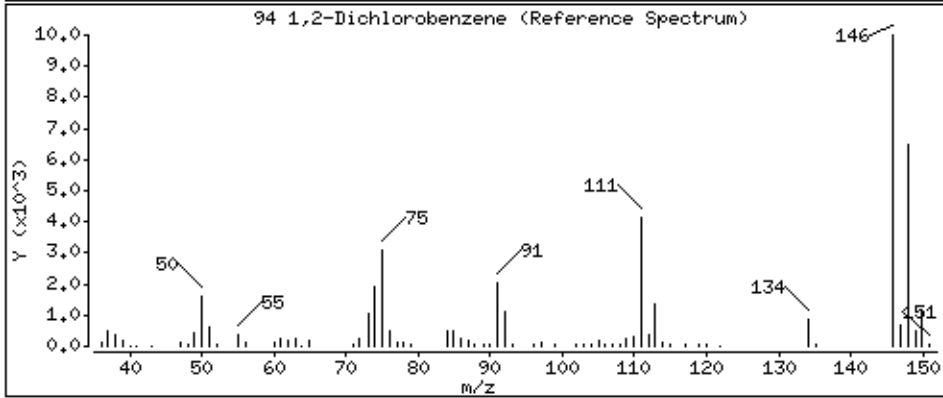
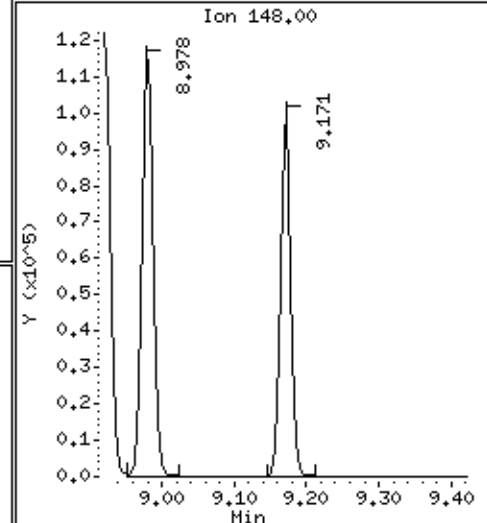
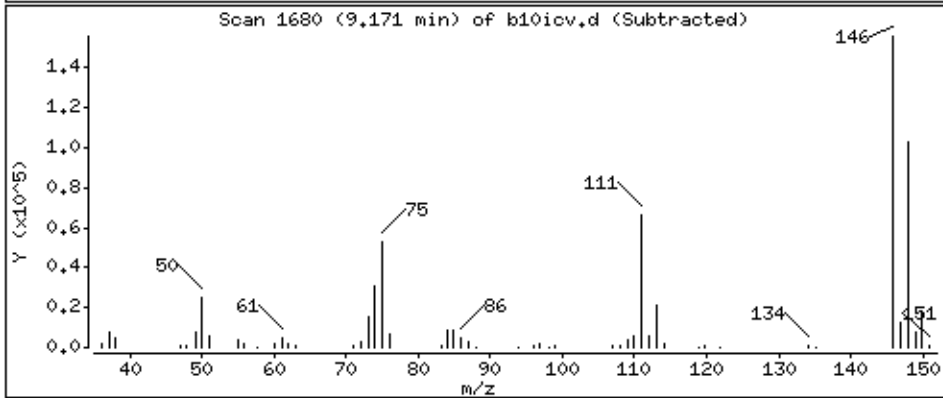
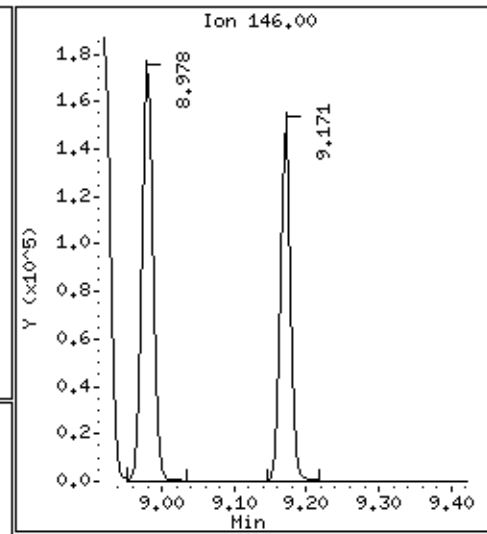
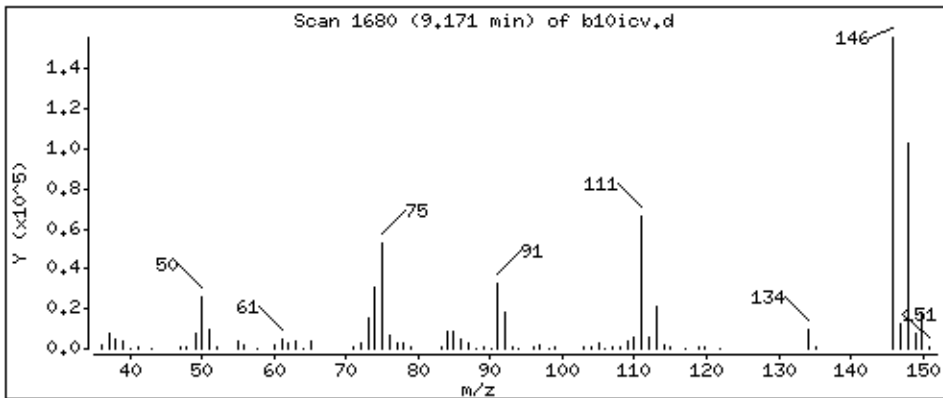
Operator: grm

Column phase: DB-624

Column diameter: 0,18

94 1,2-Dichlorobenzene

Concentration: 50,2 ppb



Date : 19-JUN-2014 19:08

Client ID: 8260-ICV,71105;0

Instrument: 50mv1b.i

Sample Info: 8260-ICV,71105;0

Purge Volume: 5.0

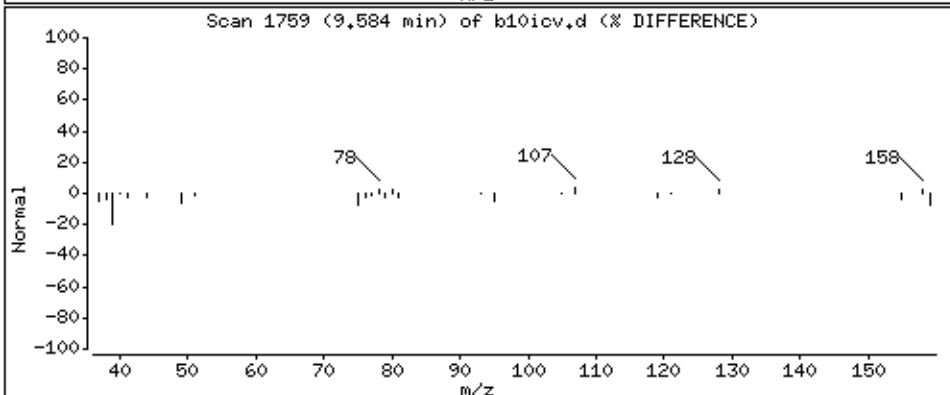
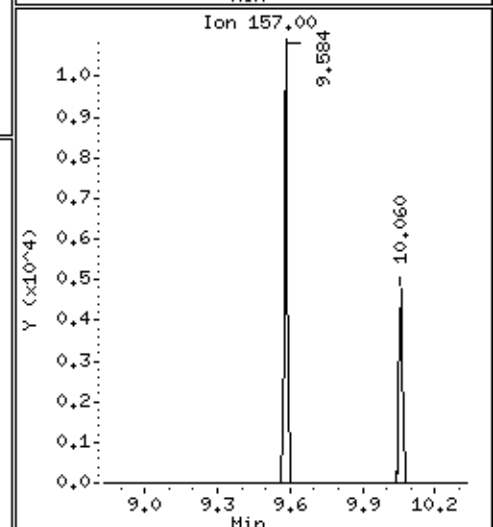
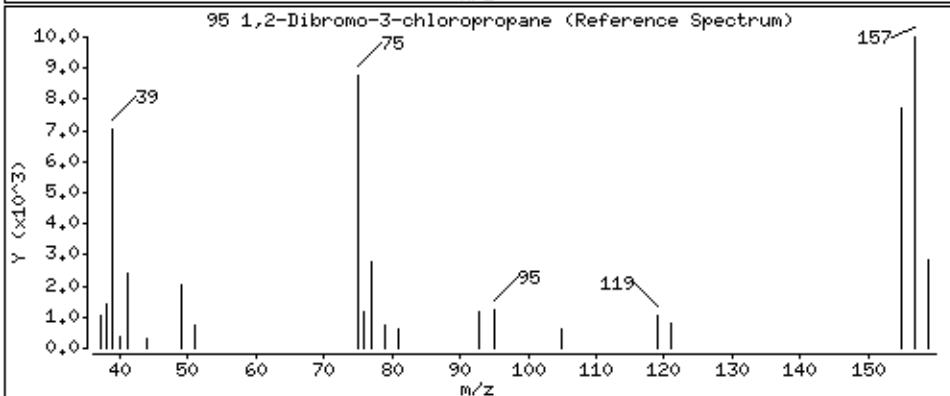
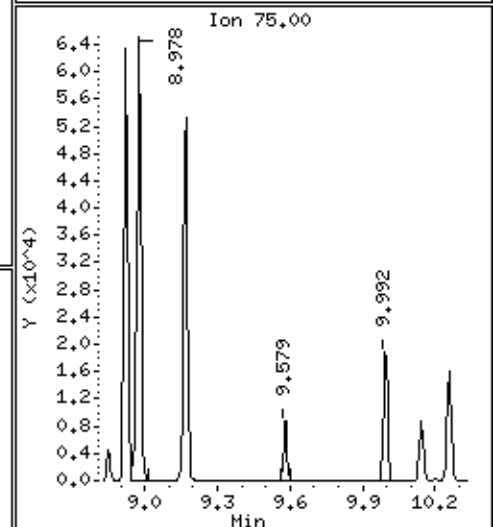
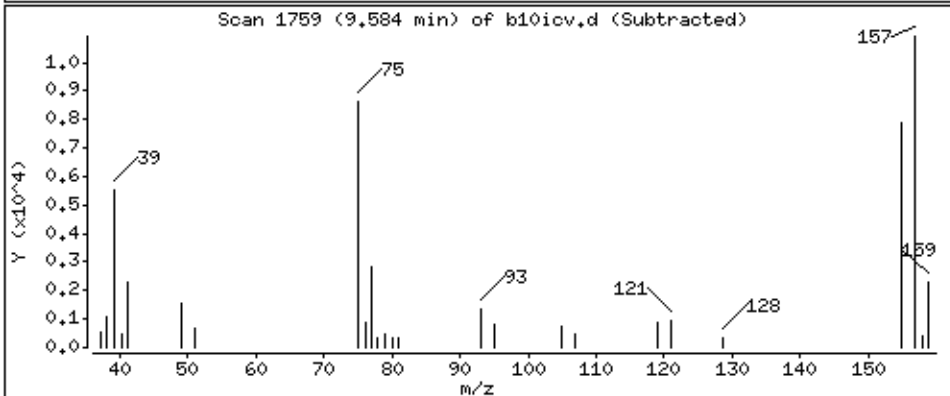
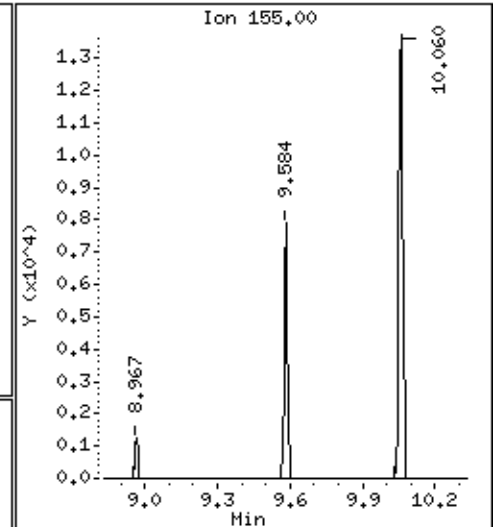
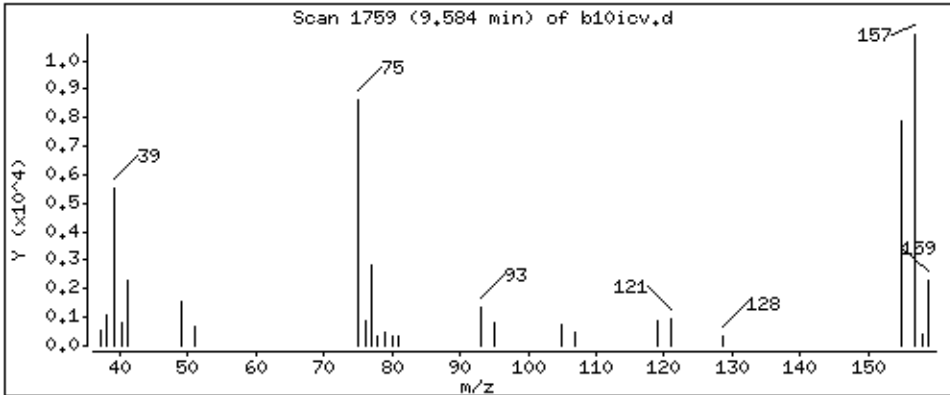
Operator: grm

Column phase: DB-624

Column diameter: 0,18

95 1,2-Dibromo-3-chloropropane

Concentration: 47.8 ppb



Date : 19-JUN-2014 19:08

Client ID: 8260-ICV,71105;0

Instrument: 50mv1b.i

Sample Info: 8260-ICV,71105;0

Purge Volume: 5.0

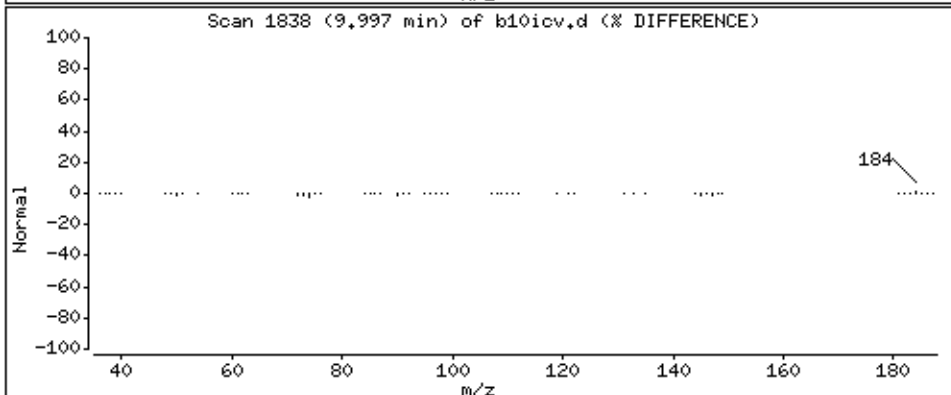
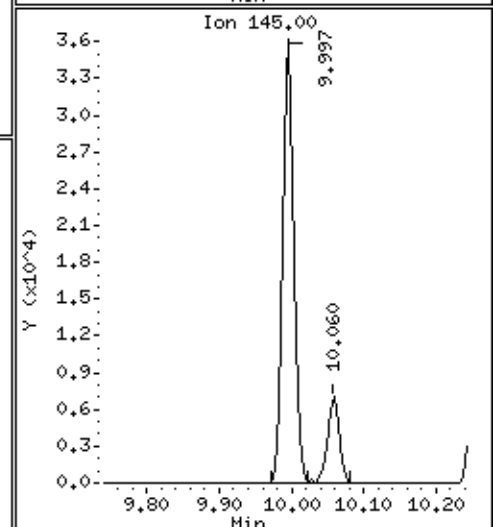
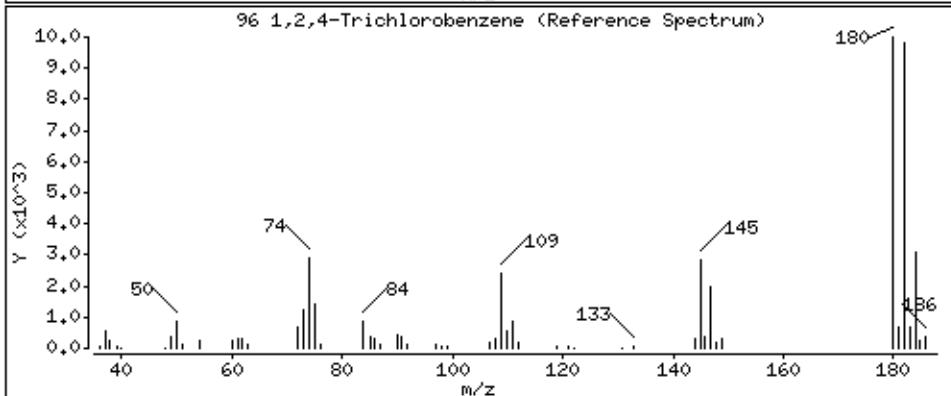
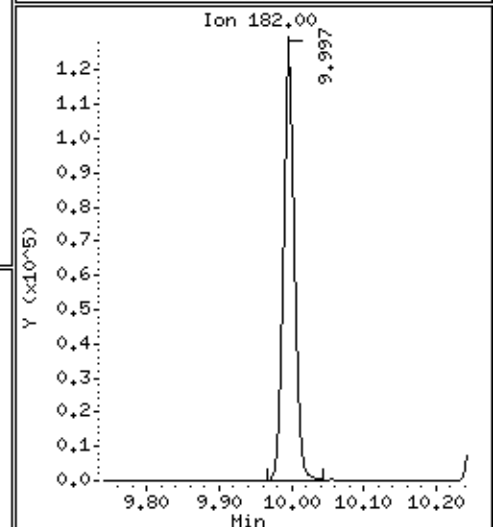
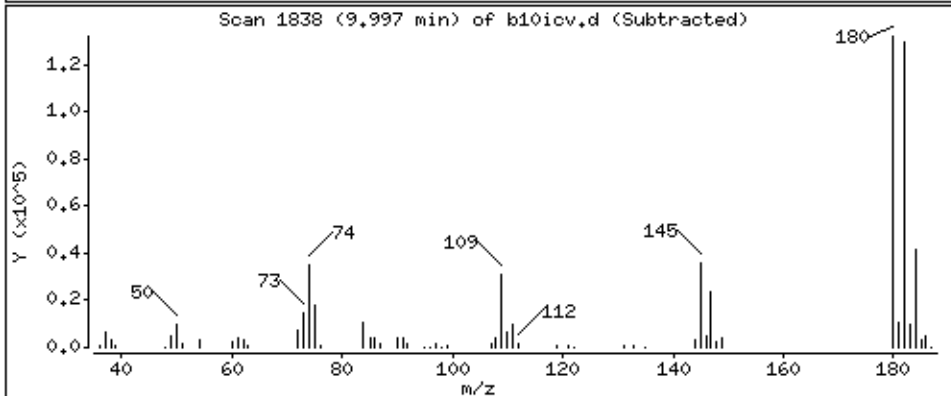
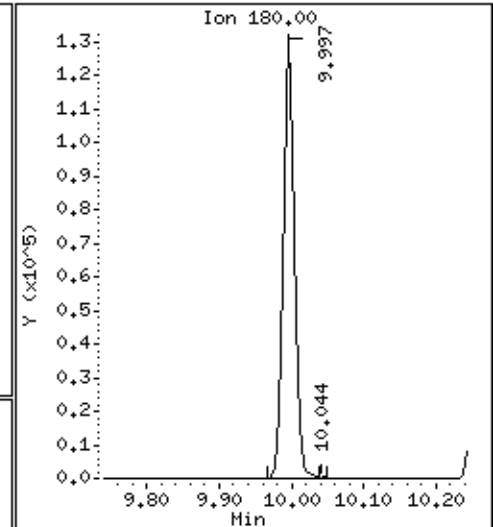
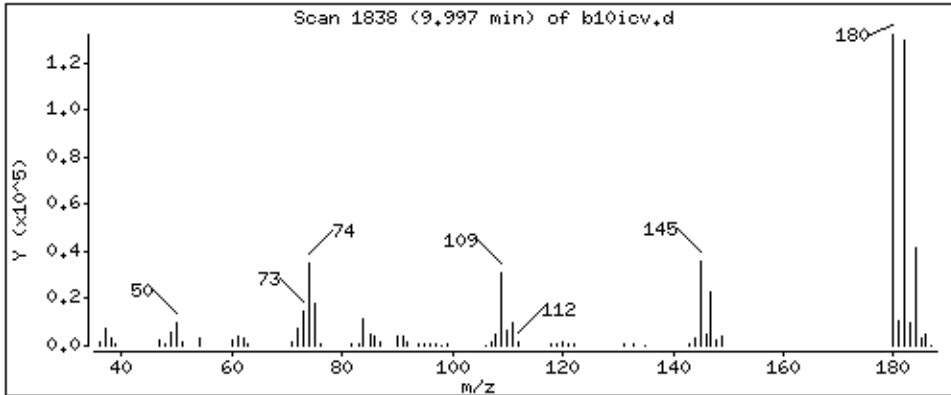
Operator: grm

Column phase: DB-624

Column diameter: 0,18

96 1,2,4-Trichlorobenzene

Concentration: 56,6 ppb



Date : 19-JUN-2014 19:08

Client ID: 8260-ICV,71105:0

Instrument: 50mv1b.i

Sample Info: 8260-ICV,71105:0

Purge Volume: 5.0

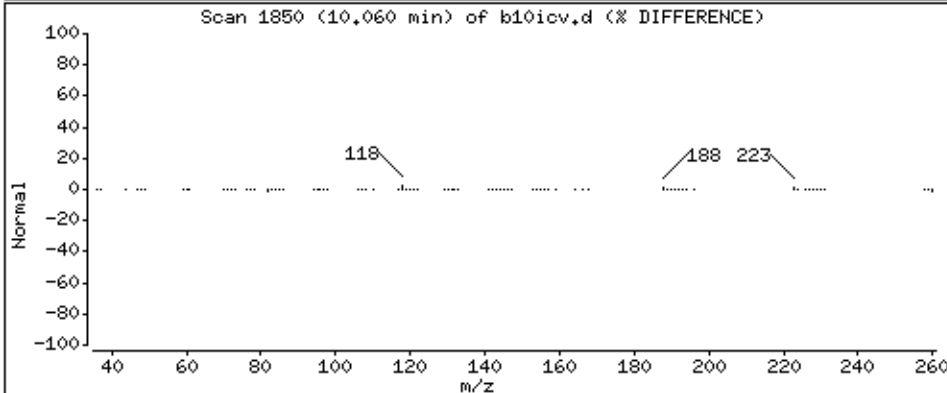
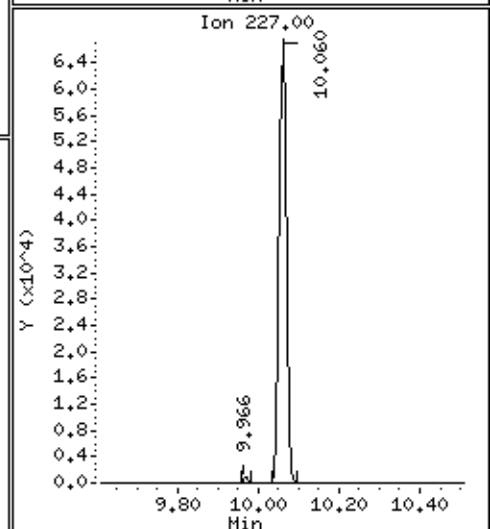
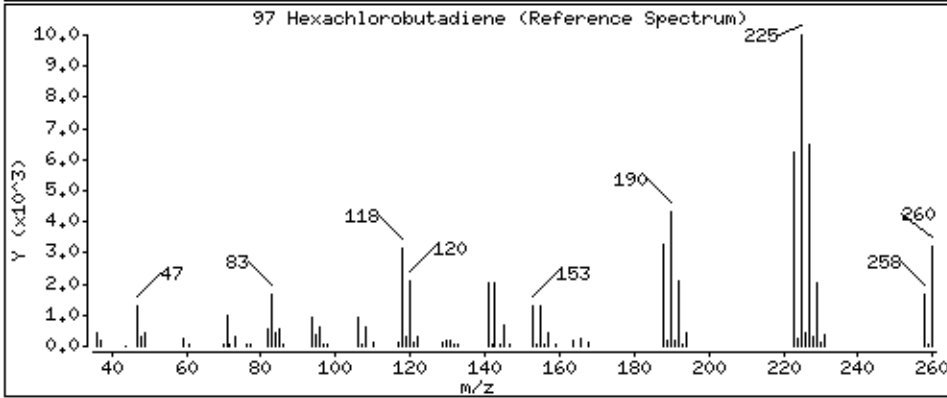
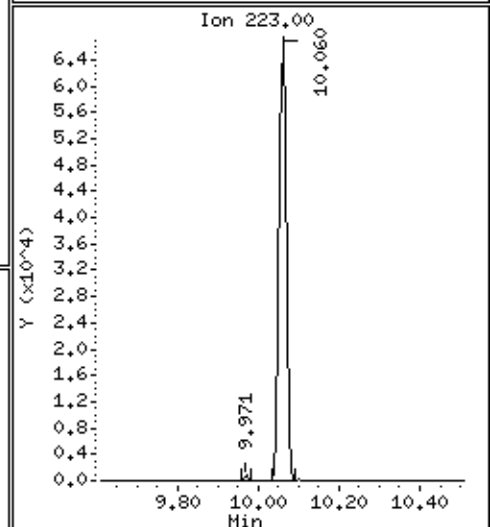
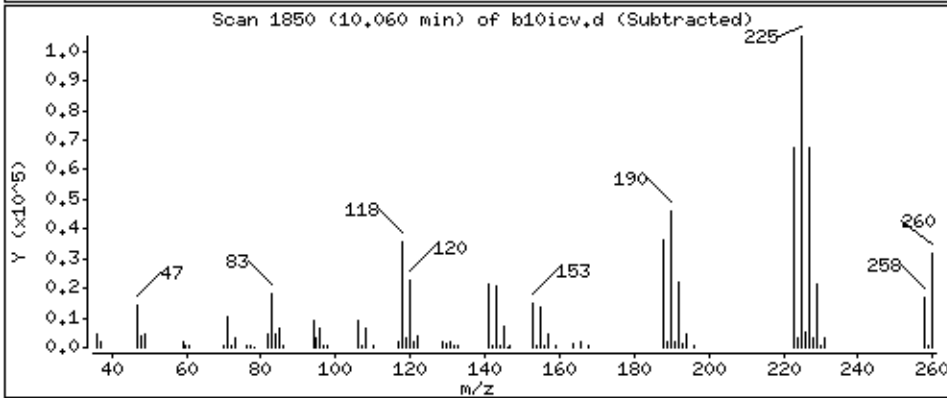
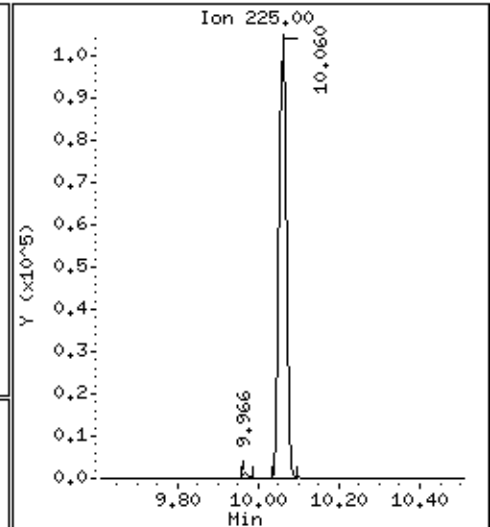
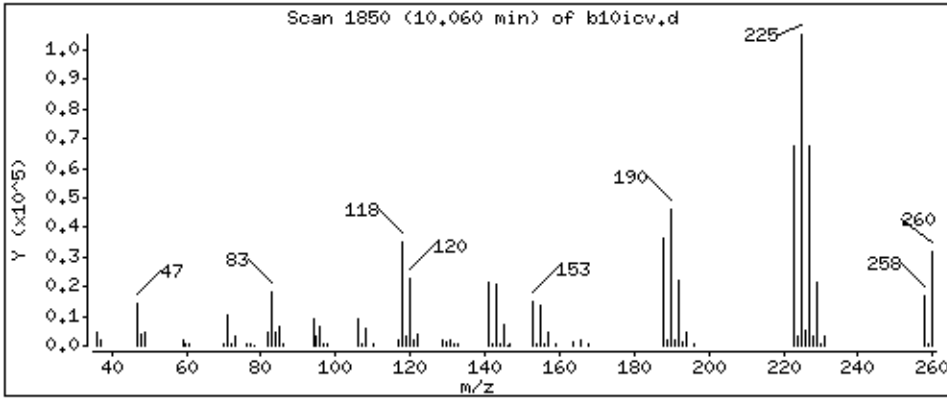
Operator: grm

Column phase: DB-624

Column diameter: 0,18

97 Hexachlorobutadiene

Concentration: 49.9 ppb



Date : 19-JUN-2014 19:08

Client ID: 8260-ICV,71105;0

Instrument: 50mv1b.i

Sample Info: 8260-ICV,71105;0

Purge Volume: 5.0

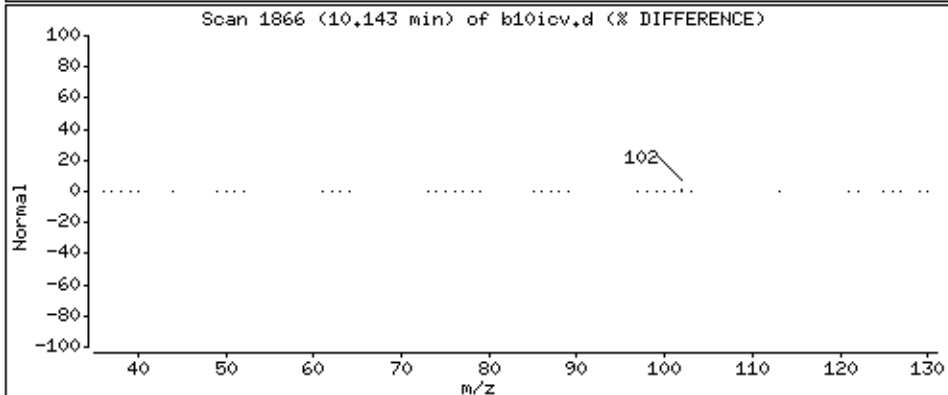
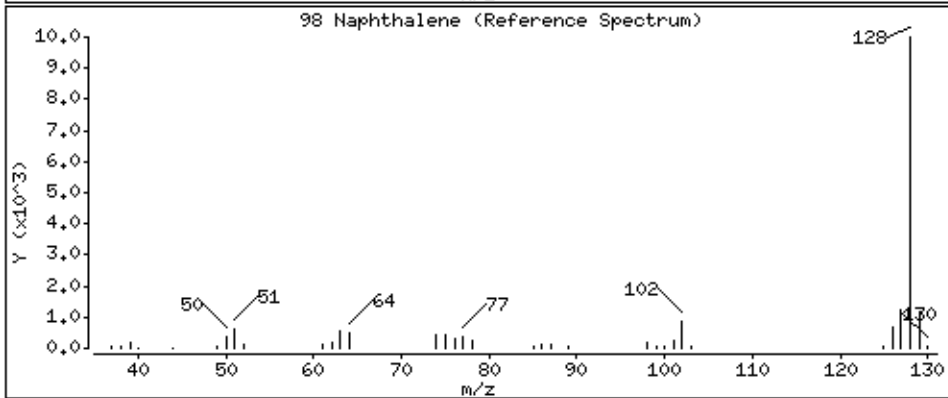
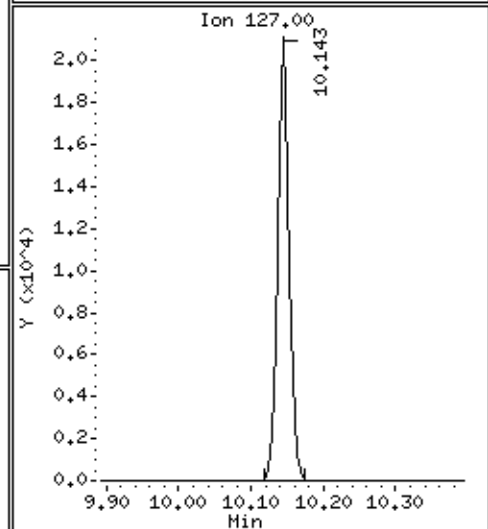
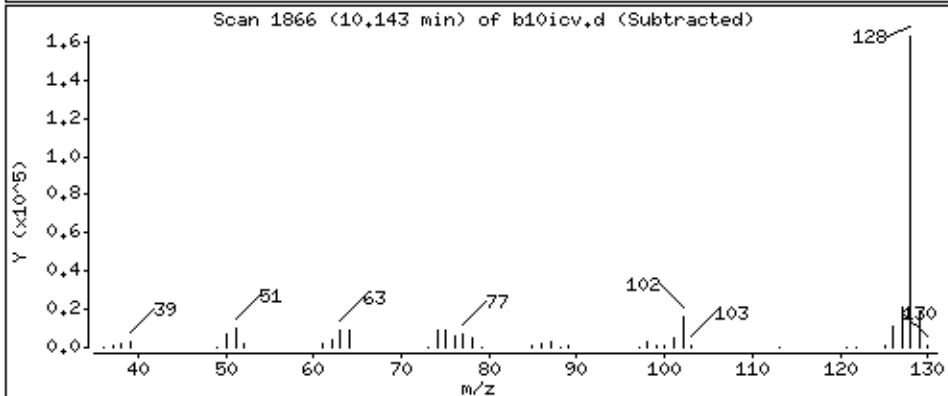
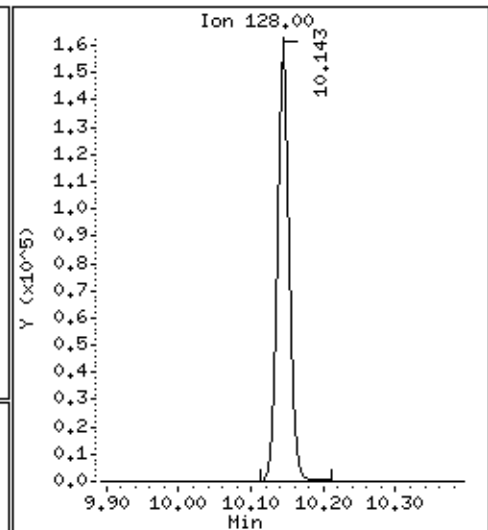
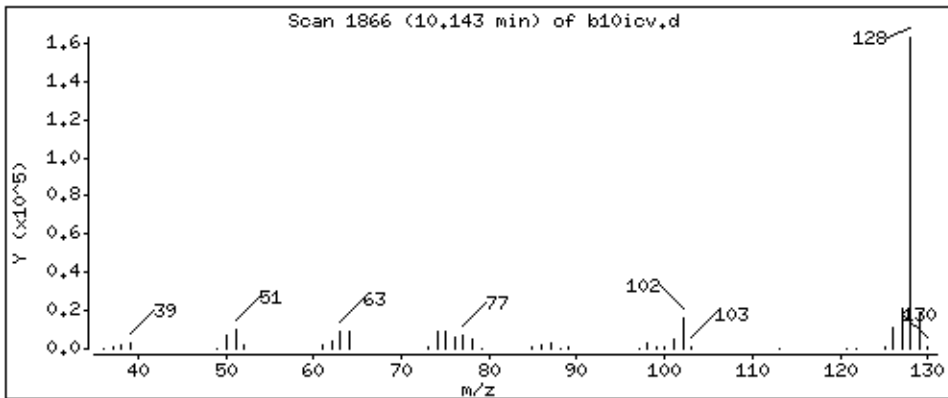
Operator: grm

Column phase: DB-624

Column diameter: 0,18

98 Naphthalene

Concentration: 61.6 ppb



Date : 19-JUN-2014 19:08

Client ID: 8260-ICV,71105:0

Instrument: 50mv1b.i

Sample Info: 8260-ICV,71105:0

Purge Volume: 5.0

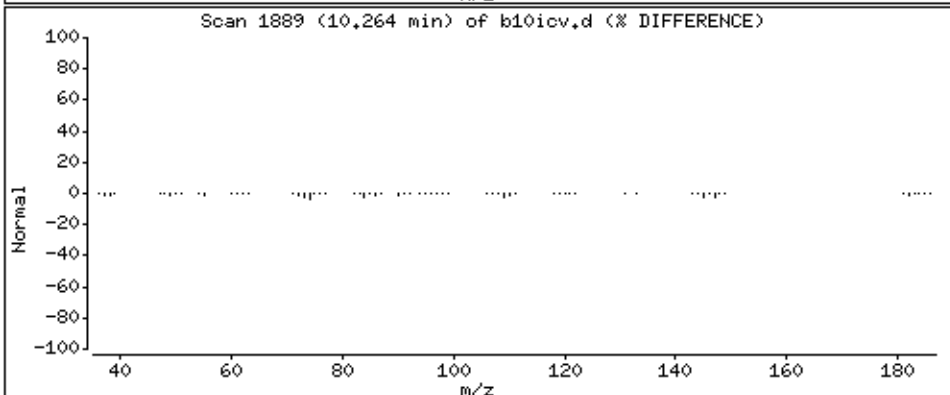
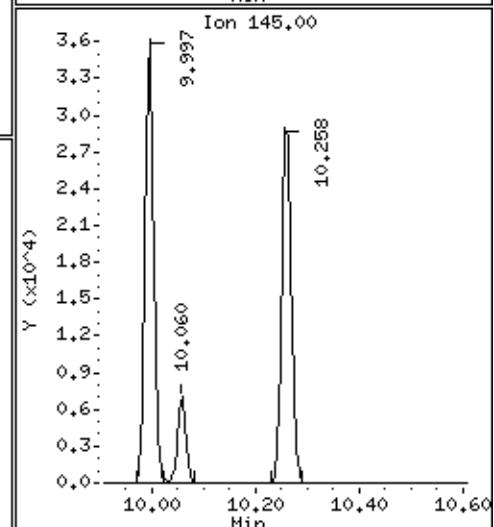
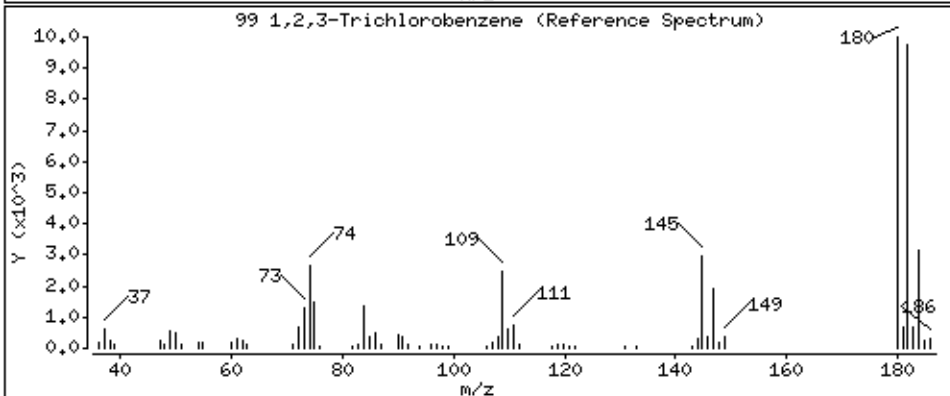
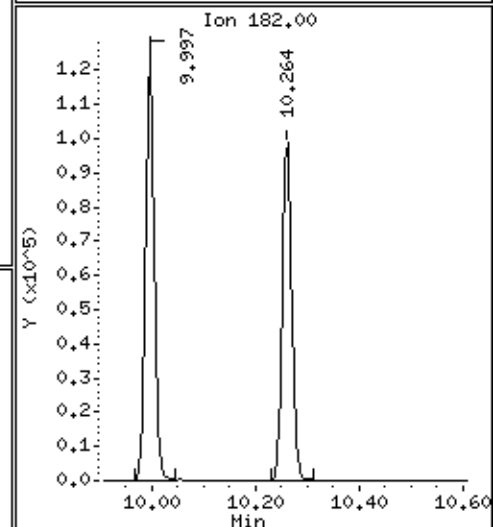
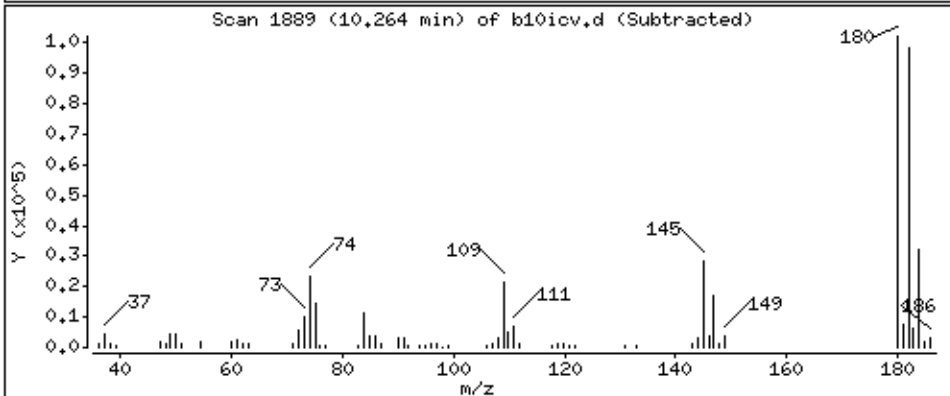
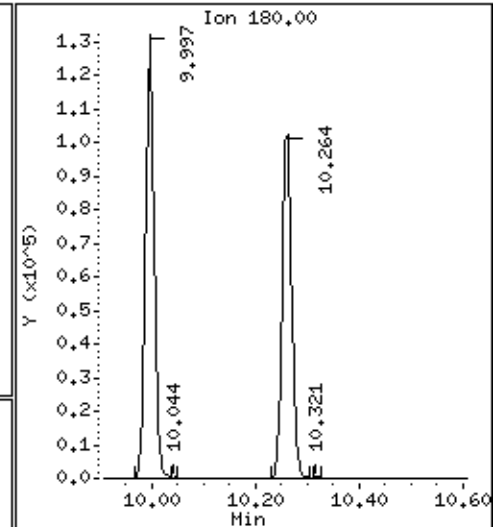
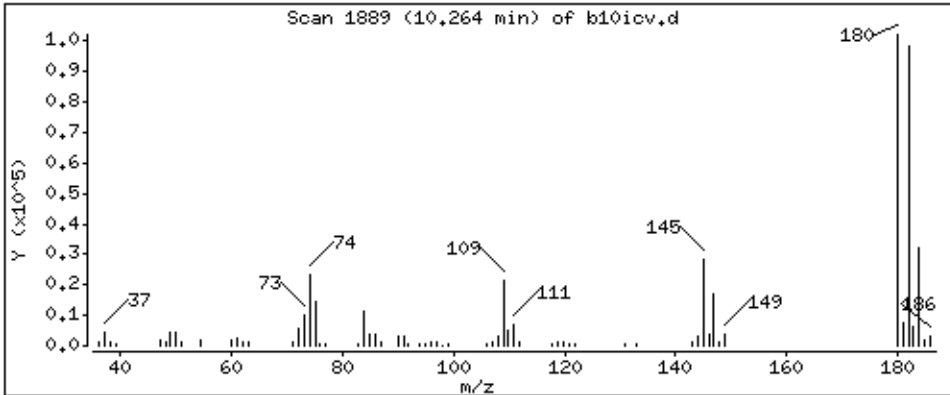
Operator: grm

Column phase: DB-624

Column diameter: 0,18

99 1,2,3-Trichlorobenzene

Concentration: 55,1 ppb



Date : 19-JUN-2014 19:08

Client ID: 8260-ICV,71105;0

Instrument: 50mv1b.i

Sample Info: 8260-ICV,71105;0

Purge Volume: 5.0

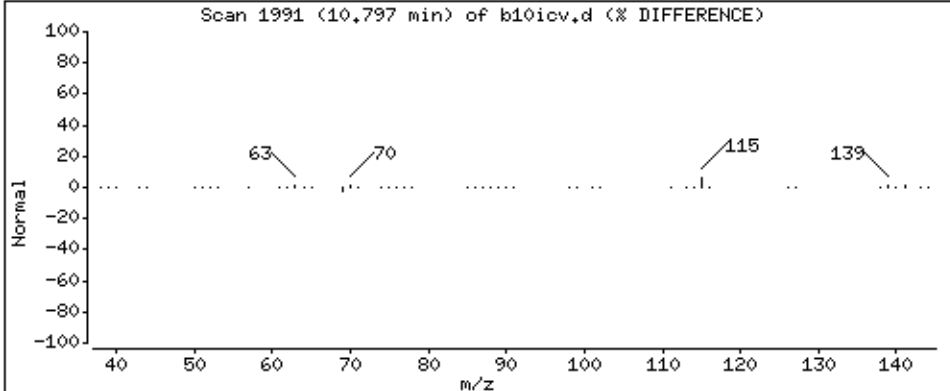
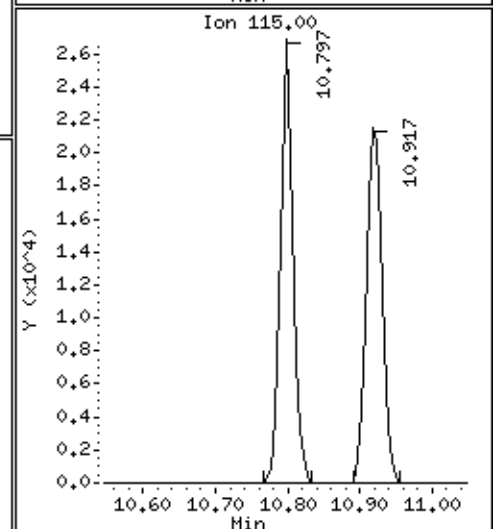
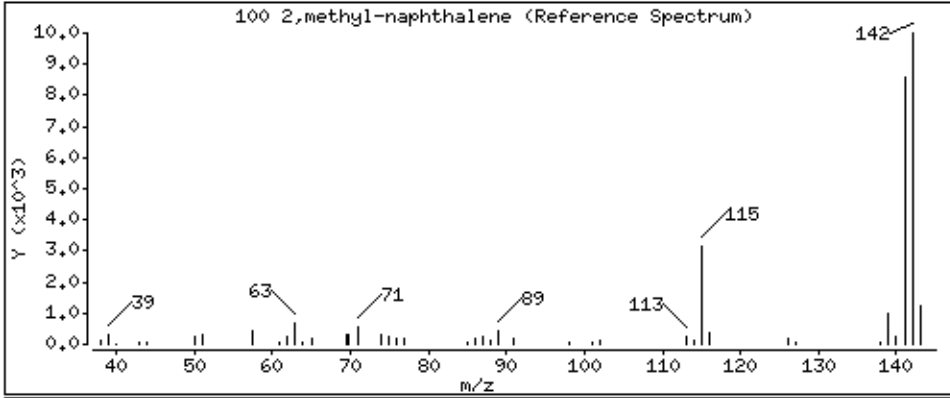
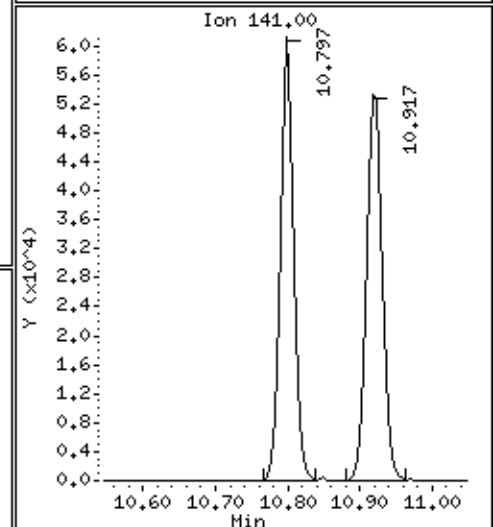
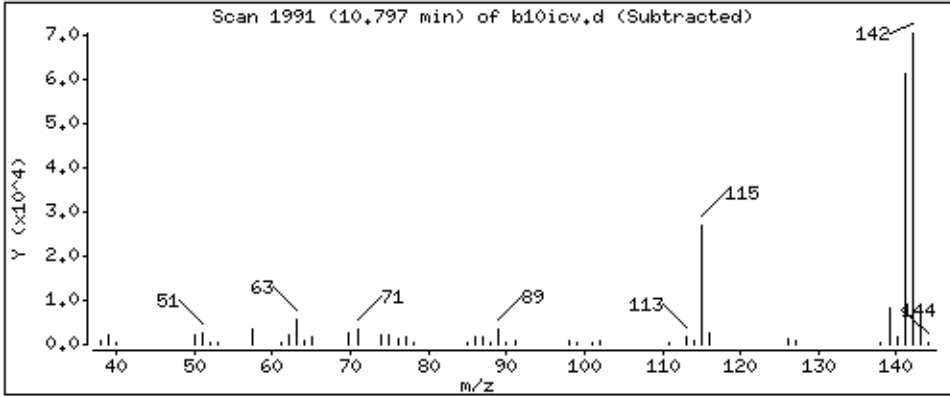
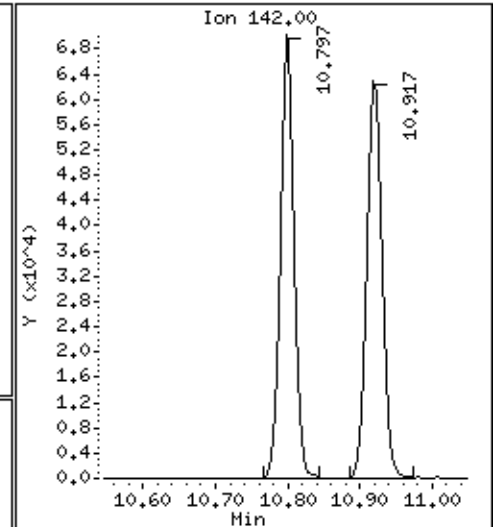
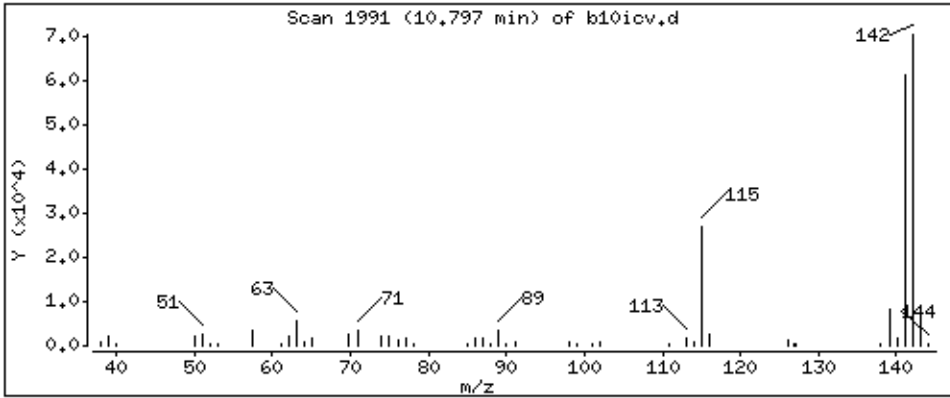
Operator: grm

Column phase: DB-624

Column diameter: 0,18

100 2,methyl-naphthalene

Concentration: 51.9 ppb



Date : 19-JUN-2014 19:08

Client ID: 8260-ICV,71105;0

Instrument: 50mv1b.i

Sample Info: 8260-ICV,71105;0

Purge Volume: 5.0

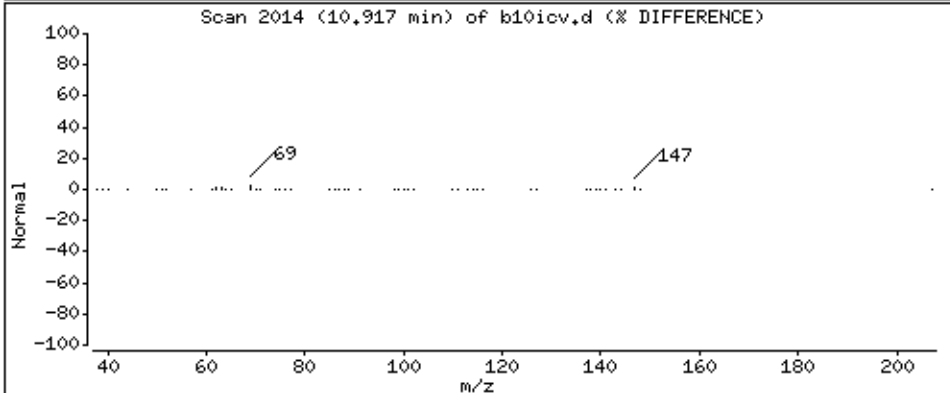
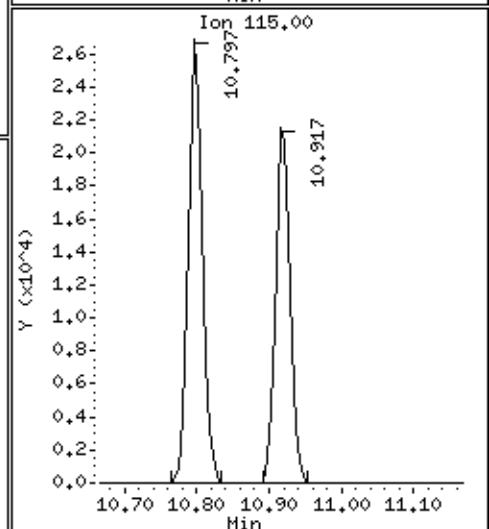
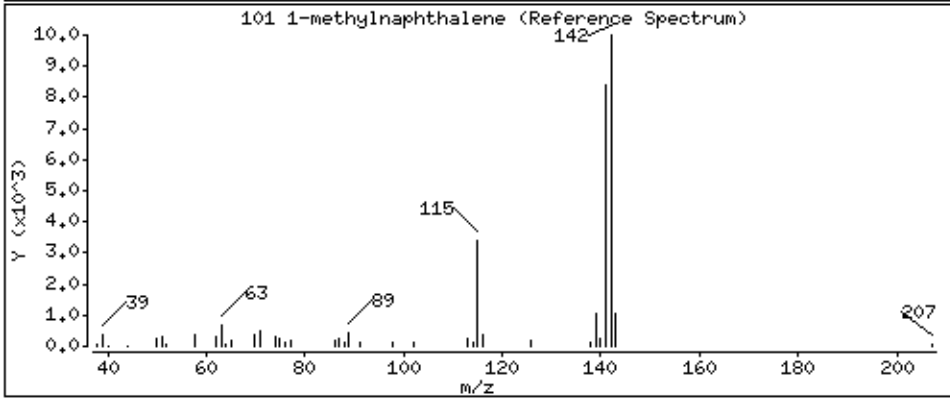
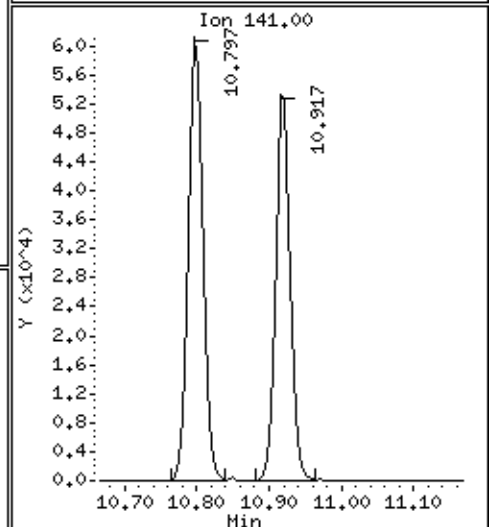
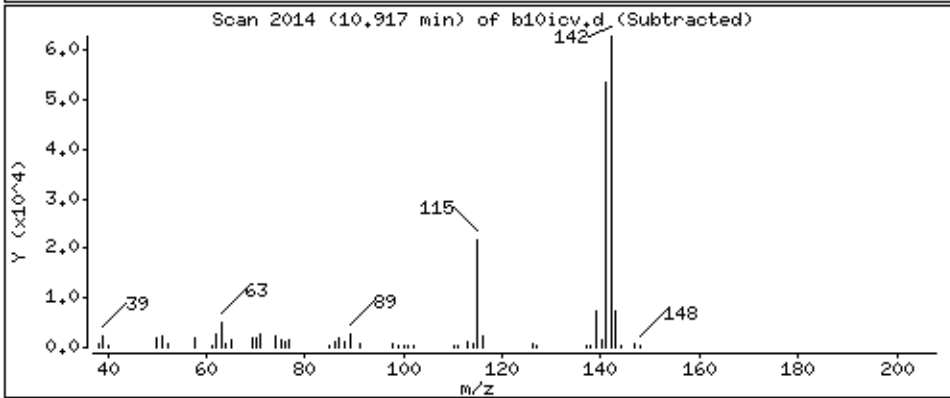
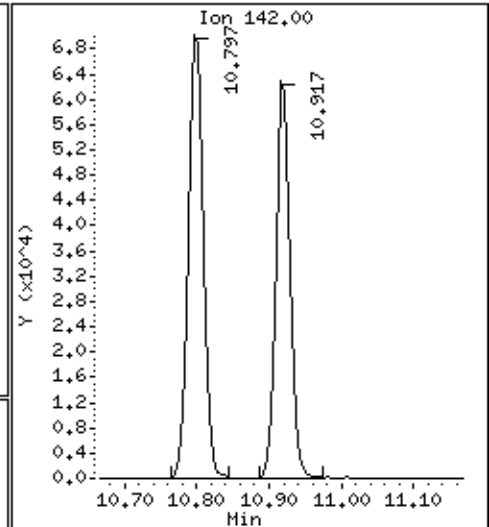
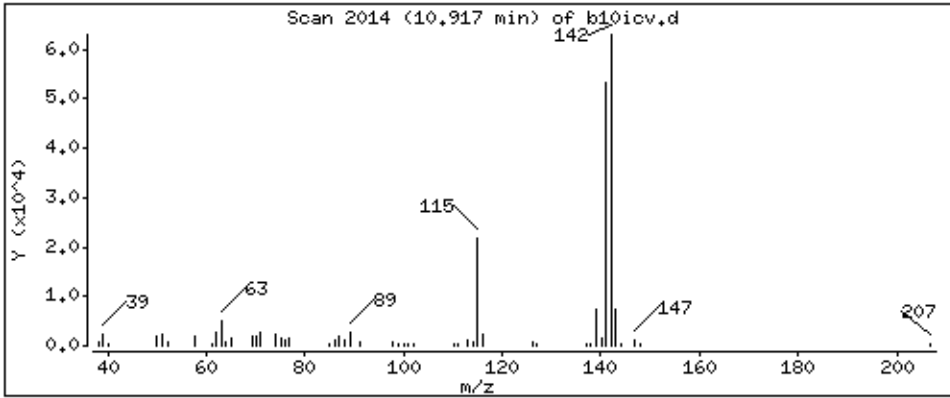
Operator: grm

Column phase: DB-624

Column diameter: 0,18

101 1-methylnaphthalene

Concentration: 55,0 ppb



Data File: \\192.168.50.6\chem\50mv1b.i\b061914cal.b\b10icv.d
Injection Date: 19-JUN-2014 19:08
Instrument: 50mv1b.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\50mv1b.i\b070114.b\d01ccv.d
 Lab Smp Id: 8260-CCV,71692:0 Client Smp ID: 8260-CCV,71692:0
 Inj Date : 01-JUL-2014 22:14
 Operator : grm Inst ID: 50mv1b.i
 Smp Info : 8260-ccv,71692:0
 Misc Info : 65942
 Comment :
 Method : \\192.168.50.6\chem\50mv1b.i\b070114.b\b8260_a_c.m
 Meth Date : 02-Jul-2014 13:18 50mv1b.i Quant Type: ISTD
 Cal Date : 19-JUN-2014 18:01 Cal File: b08cal.d
 Als bottle: 46 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		1.010	1.010	(0.229)	111820	50.0000	52.2	
2 Chloromethane	50		1.115	1.115	(0.253)	80379	50.0000	48.2	
3 Vinyl Chloride	62		1.146	1.146	(0.260)	89250	50.0000	52.7	
4 Bromomethane	94		1.303	1.303	(0.296)	42464	50.0000	40.2	
5 Chloroethane	64		1.350	1.350	(0.306)	55316	50.0000	53.9	
6 Trichlorofluoromethane	101		1.470	1.470	(0.334)	150856	50.0000	54.4	
7 Diethyl ether	74		1.601	1.601	(0.363)	26781	50.0000	48.7	
8 1,2-dichlorotrifluoroethane	67		1.617	1.617	(0.367)	98409	50.0000	50.0	
9 Acrolein	56		1.679	1.679	(0.381)	66939	1000.00	959	
10 1,1,2trichlorotrifluoroethane	101		1.732	1.732	(0.393)	76942	50.0000	49.6	
11 1,1-Dichloroethene	96		1.737	1.737	(0.394)	62897	50.0000	48.6	
12 Acetone	43		1.747	1.747	(0.396)	30346	250.000	207	
13 Iodomethane	142		1.836	1.836	(0.417)	101556	100.000	86.1	
14 Carbon Disulfide	76		1.883	1.883	(0.427)	398934	100.000	95.5	
15 Methyl Acetate	43		1.925	1.925	(0.437)	17207	50.0000	51.4	
16 Acetonitrile	39		1.946	1.946	(0.442)	145355	1000.00	1000	
17 allyl chloride	41		1.946	1.946	(0.442)	170171	100.000	101	
18 Methylene Chloride	84		2.025	2.025	(0.459)	69250	50.0000	41.2	
19 tert-Butyl Alcohol	59		2.066	2.066	(0.469)	3854	100.000	87.4 (Q)	
20 Acrylonitrile	53		2.171	2.171	(0.492)	155825	1000.00	941	
21 Methyl-tert-butyl ether	73		2.192	2.192	(0.497)	226718	100.000	97.2	
22 1,2-Dichloroethene (trans)	96		2.208	2.208	(0.501)	68696	50.0000	50.2	
24 n-Hexane	57		2.396	2.396	(0.543)	101714	50.0000	45.7	

Compounds	QUANT MASS	SIG	AMOUNTS				CAL-AMT (ppb)	ON-COL (ppb)	REVIEW C
			RT	EXP RT	REL RT	RESPONSE			
25 Vinyl Acetate	43		2.521	2.521	(0.572)	241665	200.000	210	
26 1,1-Dichloroethane	63		2.526	2.526	(0.573)	122729	50.0000	48.9	
27 Chloroprene	53		2.584	2.584	(0.586)	110168	50.0000	49.2	
28 2-Butanone	43		3.023	3.023	(0.686)	47602	250.000	213	
29 1,2-Dichloroethene (cis)	96		3.034	3.034	(0.688)	69283	50.0000	47.2	
30 2,2-Dichloropropane	77		3.039	3.039	(0.689)	93443	50.0000	52.7	
31 Propionitrile	54		3.081	3.081	(0.699)	2561	50.0000	42.6(Q)	
32 Methacrylonitrile	41		3.243	3.243	(0.736)	14330	250.000	227	
33 Bromochloromethane	49		3.279	3.279	(0.744)	34677	50.0000	51.0	
34 Tetrahydrofuran	42		3.305	3.305	(0.750)	5264	50.0000	48.9	
35 Chloroform	83		3.394	3.394	(0.770)	130086	50.0000	48.9	
37 1,1,1-Trichloroethane	97		3.577	3.577	(0.811)	109999	50.0000	49.3	
\$ 38 Dibromofluoromethane (S)	113		3.588	3.588	(0.814)	57404	50.0000	49.5	
39 Cyclohexane	56		3.656	3.656	(0.829)	96569	50.0000	47.5	
40 Carbon Tetrachloride	117		3.771	3.771	(0.855)	85084	50.0000	47.6	
41 1,1-Dichloropropene	75		3.776	3.776	(0.857)	108482	50.0000	50.2	
42 Benzene	78		4.027	4.027	(0.913)	268868	50.0000	50.2	
43 1,2-Dichloroethane	62		4.116	4.116	(0.934)	77431	50.0000	47.7	
44 Isobutyl alcohol	43		4.184	4.184	(0.949)	40990	50.0000	47.6	
45 2,2,4-Trimethylpentane	57		4.184	4.184	(0.949)	241277	50.0000	48.4	
* 46 Fluorobenzene (IS)	96		4.408	4.408	(1.000)	243474	50.0000		
47 Trichloroethene	95		4.842	4.842	(1.098)	78623	50.0000	50.1	
48 Methylcyclohexane	55		5.099	5.099	(1.157)	91389	50.0000	50.2	
49 1,2-Dichloropropane	63		5.146	5.146	(1.167)	54156	50.0000	45.4	
50 Dibromomethane	93		5.240	5.240	(1.189)	28856	50.0000	50.9	
51 1,4-Dioxane	88		5.245	5.245	(1.190)	5392	1000.00		
52 Methyl methacrylate	69		5.250	5.250	(1.191)	20550	50.0000	46.3	
53 Bromodichloromethane	83		5.459	5.459	(1.238)	78413	50.0000	46.1	
54 2-Chloroethyl vinyl ether	63		5.799	5.799	(0.774)	16744	100.000	78.1	
55 cis-1,3-Dichloropropene	75		5.940	5.940	(0.793)	88805	50.0000	48.8	
56 4-Methyl-2-Pentanone	43		6.113	6.113	(0.816)	109879	250.000	217	
\$ 57 Toluene-d8	98		6.212	6.212	(0.830)	248230	50.0000	49.1	
58 Toluene	91		6.285	6.285	(0.839)	302721	50.0000	47.9	
59 trans-1,3-Dichloropropene	75		6.552	6.552	(0.875)	60865	50.0000	40.8	
60 Ethyl Methacrylate	69		6.625	6.625	(0.885)	49212	50.0000	46.0	
61 1,1,2-Trichloroethane	83		6.730	6.730	(0.899)	36309	50.0000	48.6	
62 Tetrachloroethene	166		6.777	6.777	(0.905)	98990	50.0000	50.4	
63 1,3-Dichloropropane	76		6.866	6.866	(0.917)	78019	50.0000	46.4	
64 2-Hexanone	43		6.928	6.928	(0.925)	76376	250.000	219	
65 Dibromochloromethane	129		7.043	7.043	(0.941)	43560	50.0000	45.3	
66 1,2-Dibromoethane	107		7.127	7.127	(0.952)	39345	50.0000	49.3	
* 67 Chlorobenzene-D5 (IS)	117		7.488	7.488	(1.000)	192170	50.0000		
68 Chlorobenzene	112		7.509	7.509	(1.003)	188974	50.0000	48.8	
69 1,1,1,2-Tetrachloroethane	131		7.582	7.582	(1.013)	57100	50.0000	46.9	
70 Ethylbenzene	106		7.587	7.587	(1.013)	109553	50.0000	49.7	
71 m&p-Xylene	106		7.681	7.681	(1.026)	267455	100.000	99.3	
72 o-Xylene	106		7.937	7.937	(1.060)	131261	50.0000	51.2	
73 Styrene	104		7.953	7.953	(1.062)	214928	50.0000	50.3	
74 Bromoform	173		8.079	8.079	(0.901)	24902	50.0000	40.5	
75 Isopropylbenzene	105		8.178	8.178	(1.092)	375041	50.0000	50.8	
\$ 76 4-Bromofluorobenzene	95		8.293	8.293	(1.108)	101987	50.0000	49.9	
77 Bromobenzene	77		8.371	8.371	(1.118)	139423	50.0000	48.0	
79 1,1,2,2-Tetrachloroethane	83		8.382	8.382	(0.935)	46804	50.0000	47.6	
80 trans-1,4-Dichloro-2-butene	53		8.397	8.397	(1.121)	9391	50.0000	46.6(Q)	

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS		REVIEW C
						CAL-AMT (ppb)	ON-COL (ppb)	
81 1,2,3-Trichloropropane	110	8.413	8.413	(0.938)	13762	50.0000	45.0	
82 n-Propylbenzene	91	8.434	8.434	(0.941)	460999	50.0000	51.0	
83 2-Chlorotoluene	91	8.486	8.486	(0.946)	274309	50.0000	49.7	
84 1,3,5-Trimethylbenzene	105	8.544	8.544	(0.953)	325831	50.0000	51.7	
85 4-Chlorotoluene	126	8.560	8.560	(0.955)	82408	50.0000	50.0	
86 tert-Butylbenzene	119	8.727	8.727	(0.973)	296366	50.0000	50.9	
87 1,2,4-Trimethylbenzene	105	8.758	8.758	(0.977)	315801	50.0000	51.6	
88 sec-Butylbenzene	105	8.847	8.847	(0.987)	426220	50.0000	51.2	
89 1,3-Dichlorobenzene	146	8.920	8.920	(0.995)	169074	50.0000	49.7	
90 p-Isopropyltoluene	119	8.936	8.936	(0.997)	355612	50.0000	51.1	
* 91 1,4-Dichlorobenzene-d4 (IS)	152	8.967	8.967	(1.000)	106764	50.0000		
92 1,4-Dichlorobenzene	146	8.978	8.978	(1.001)	157978	50.0000	49.0	
93 n-Butylbenzene	91	9.150	9.150	(1.020)	368524	50.0000	50.7	
94 1,2-Dichlorobenzene	146	9.171	9.171	(1.023)	143221	50.0000	48.8	
95 1,2-Dibromo-3-chloropropane	155	9.579	9.579	(1.068)	5542	50.0000	38.5	
96 1,2,4-Trichlorobenzene	180	9.997	9.997	(1.115)	131787	50.0000	54.0	
97 Hexachlorobutadiene	225	10.060	10.060	(1.122)	108992	50.0000	52.0	
98 Naphthalene	128	10.144	10.144	(1.131)	152829	50.0000	52.7	
99 1,2,3-Trichlorobenzene	180	10.259	10.259	(1.144)	111215	50.0000	52.6	
100 2,methyl-naphthalene	142	10.797	10.797	(1.204)	73694	50.0000	43.2	
101 1-methylnaphthalene	142	10.917	10.917	(1.217)	64622	50.0000	43.7	

QC Flag Legend

Q - Qualifier signal failed the ratio test.

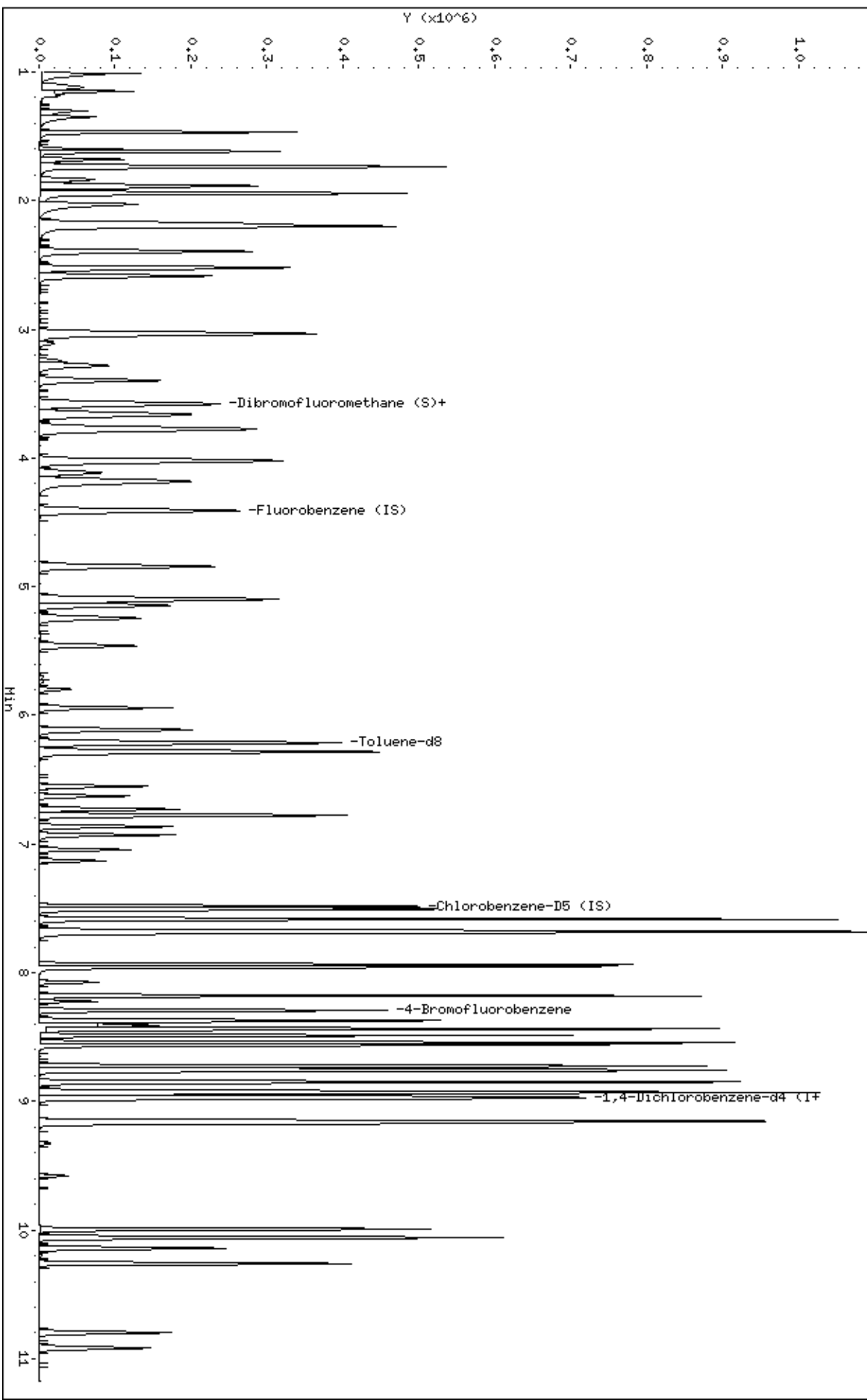
Review Codes Legend

:

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Date: 01-JUL-2014 22:14
Client ID: 8260-CCV,71692:0
Sample Info: 8260-CCV,71692:0
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50mw\lb.i
Operator: grm
Column diameter: 0.18

\\192.168.50.6\chem\50mw\lb.i\B070114.B\401ccv.d



Data File: \\192.168.50.6\chem\50mv1b.i\b070114.b/d01ccv.d
Injection Date: 01-JUL-2014 22:14
Instrument: 50mv1b.i
Lab Sample ID: 8260-CCV,71692:0
NO SIGNAL MANUAL INTEGRATIONS DONE FOR THIS DATA FILE

Date : 19-JUN-2014 13:15

Client ID: 8260-TUNE

Instrument: 50mv1a.i

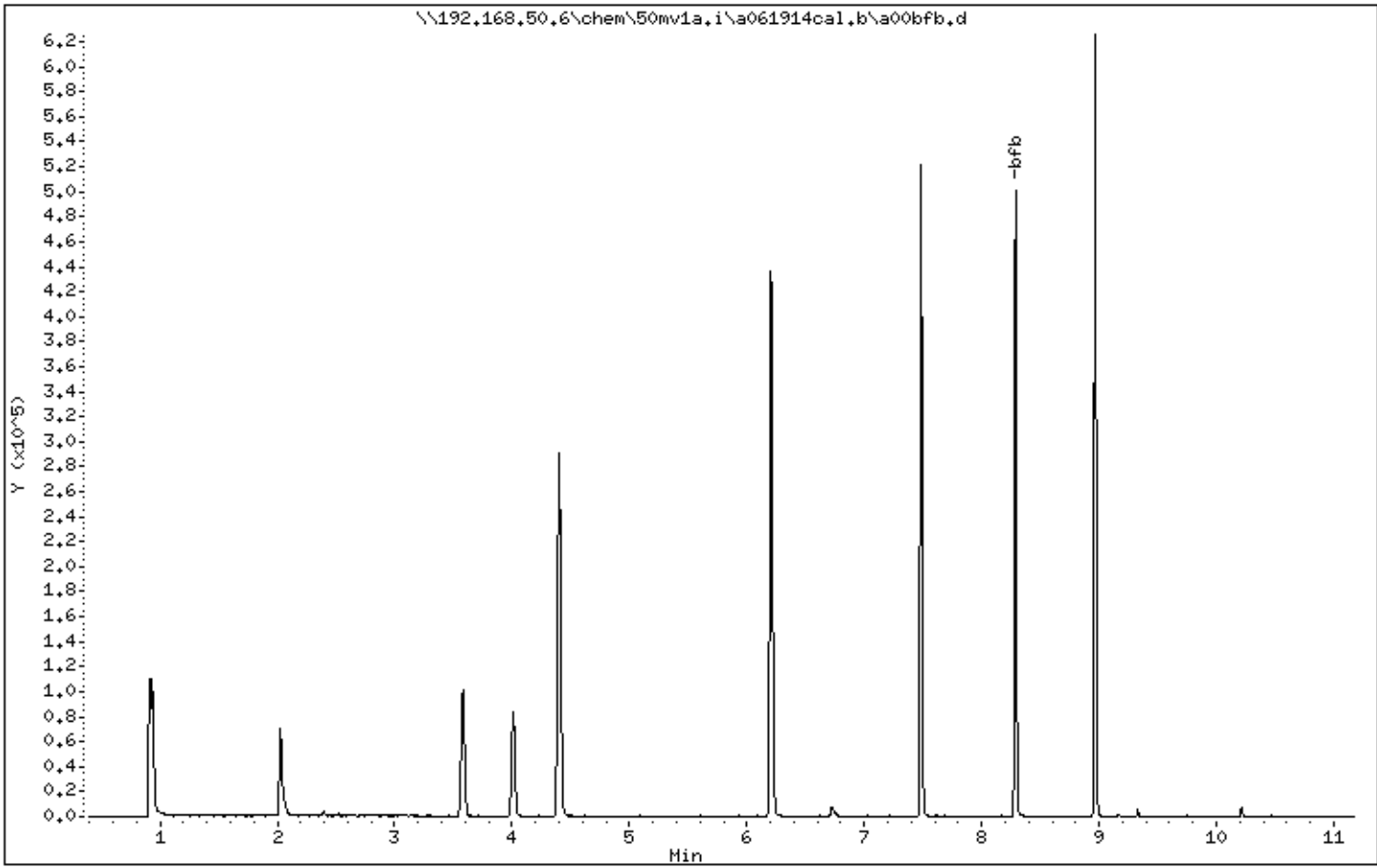
Sample Info: 8260-TUNE,71127:0

Volume Injected (uL): 1.0

Operator: grm

Column phase:

Column diameter: 2.00



Date : 19-JUN-2014 13:15

Client ID: 8260-TUNE

Instrument: 50mv1a.i

Sample Info: 8260-TUNE,71127:0

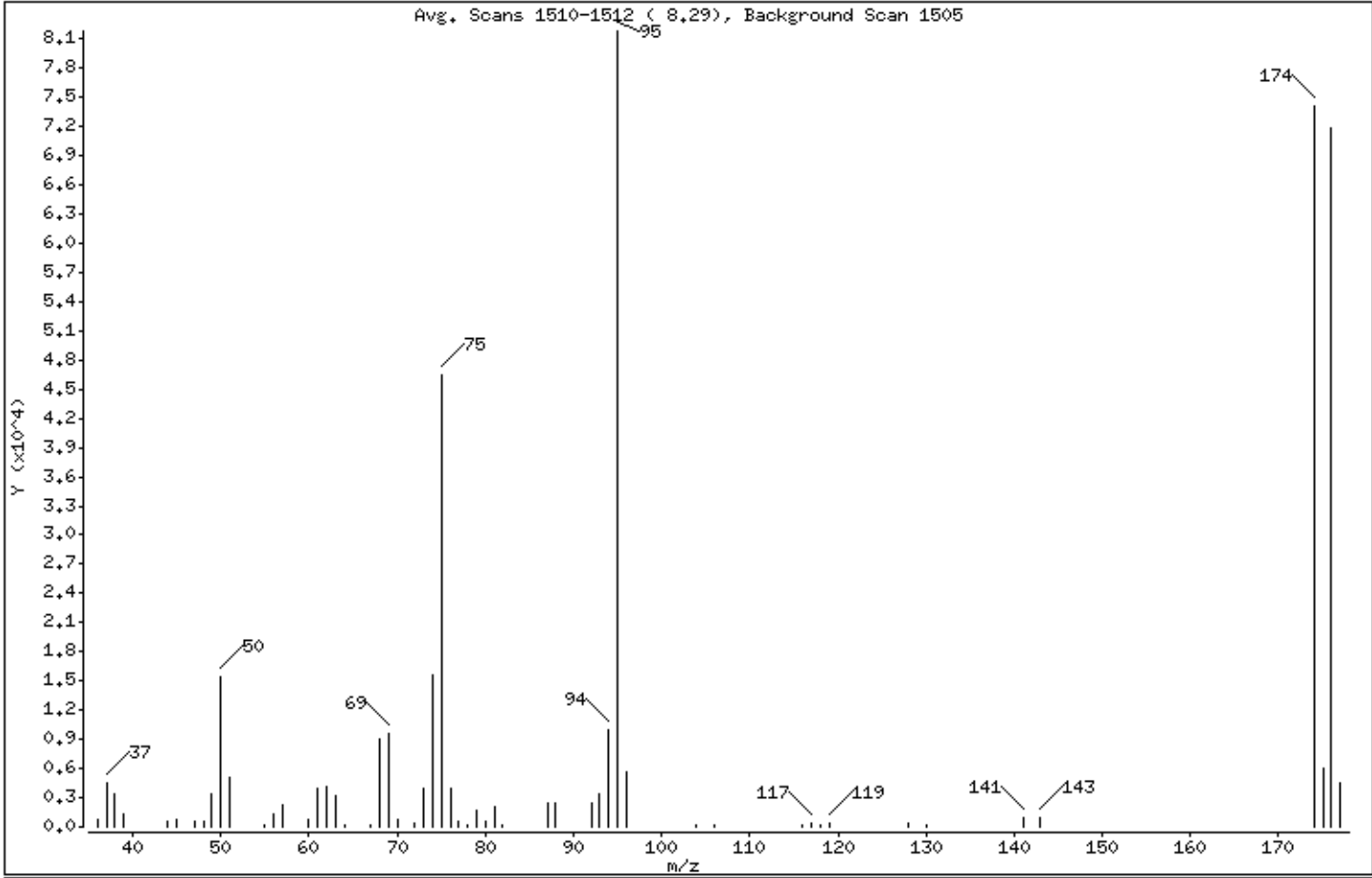
Volume Injected (uL): 1.0

Operator: grm

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	18.85
75	30.00 - 60.00% of mass 95	56.73
96	5.00 - 9.00% of mass 95	6.91
173	Less than 2.00% of mass 174	0.00 (0.00)
174	50.00 - 100.00% of mass 95	90.53
175	5.00 - 9.00% of mass 174	7.30 (8.06)
176	95.00 - 101.00% of mass 174	87.90 (97.11)
177	5.00 - 9.00% of mass 176	5.59 (6.36)

Date : 19-JUN-2014 13:15

Client ID: 8260-TUNE

Instrument: 50mv1a.i

Sample Info: 8260-TUNE,71127:0

Volume Injected (uL): 1.0

Operator: grm

Column phase:

Column diameter: 2.00

Data File: 00bfb.d

Spectrum: Avg. Scans 1510-1512 (8.29), Background Scan 1505

Location of Maximum: 95.00

Number of points: 55

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	767	60.00	827	77.00	571	106.00	145
37.00	4433	61.00	3965	78.00	217	116.00	133
38.00	3336	62.00	4071	79.00	1742	117.00	466
39.00	1334	63.00	3141	80.00	641	118.00	120
44.00	583	64.00	175	81.00	2053	119.00	423
45.00	674	67.00	142	82.00	257	128.00	310
47.00	590	68.00	8975	87.00	2448	130.00	244
48.00	518	69.00	9598	88.00	2410	141.00	933
49.00	3317	70.00	776	92.00	2455	143.00	946
50.00	15425	72.00	354	93.00	3399	174.00	74064
51.00	5118	73.00	3975	94.00	10010	175.00	5970
55.00	129	74.00	15572	95.00	81816	176.00	71920
56.00	1240	75.00	46416	96.00	5656	177.00	4577
57.00	2203	76.00	3895	104.00	209		

Date : 02-JUL-2014 10:45

Client ID: 8260-TUNE

Instrument: 50mv1a.i

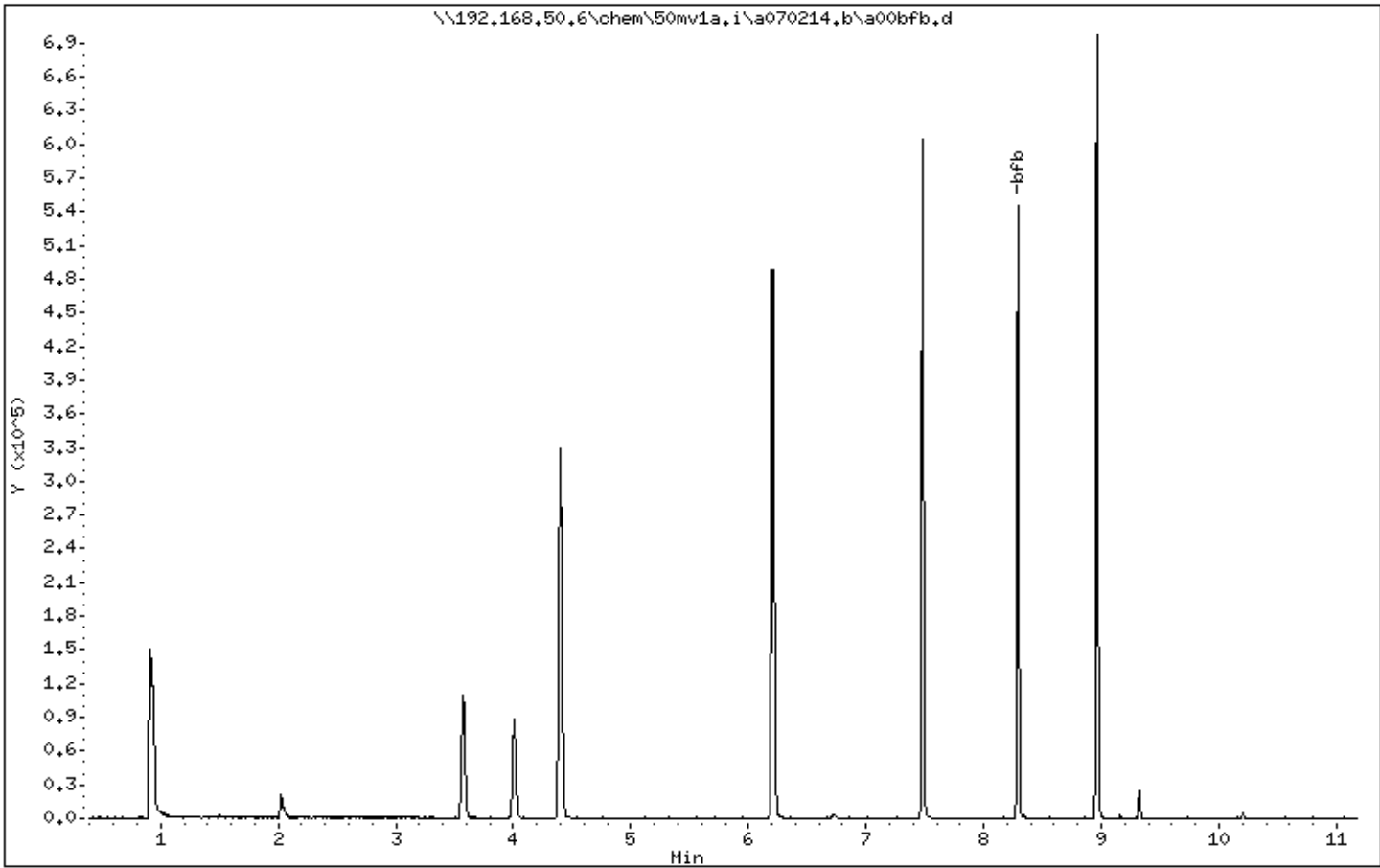
Sample Info: 8260-TUNE,71784;0

Volume Injected (uL): 1.0

Operator: grm

Column phase:

Column diameter: 2.00



Date : 02-JUL-2014 10:45

Client ID: 8260-TUNE

Instrument: 50mv1a.i

Sample Info: 8260-TUNE,71784;0

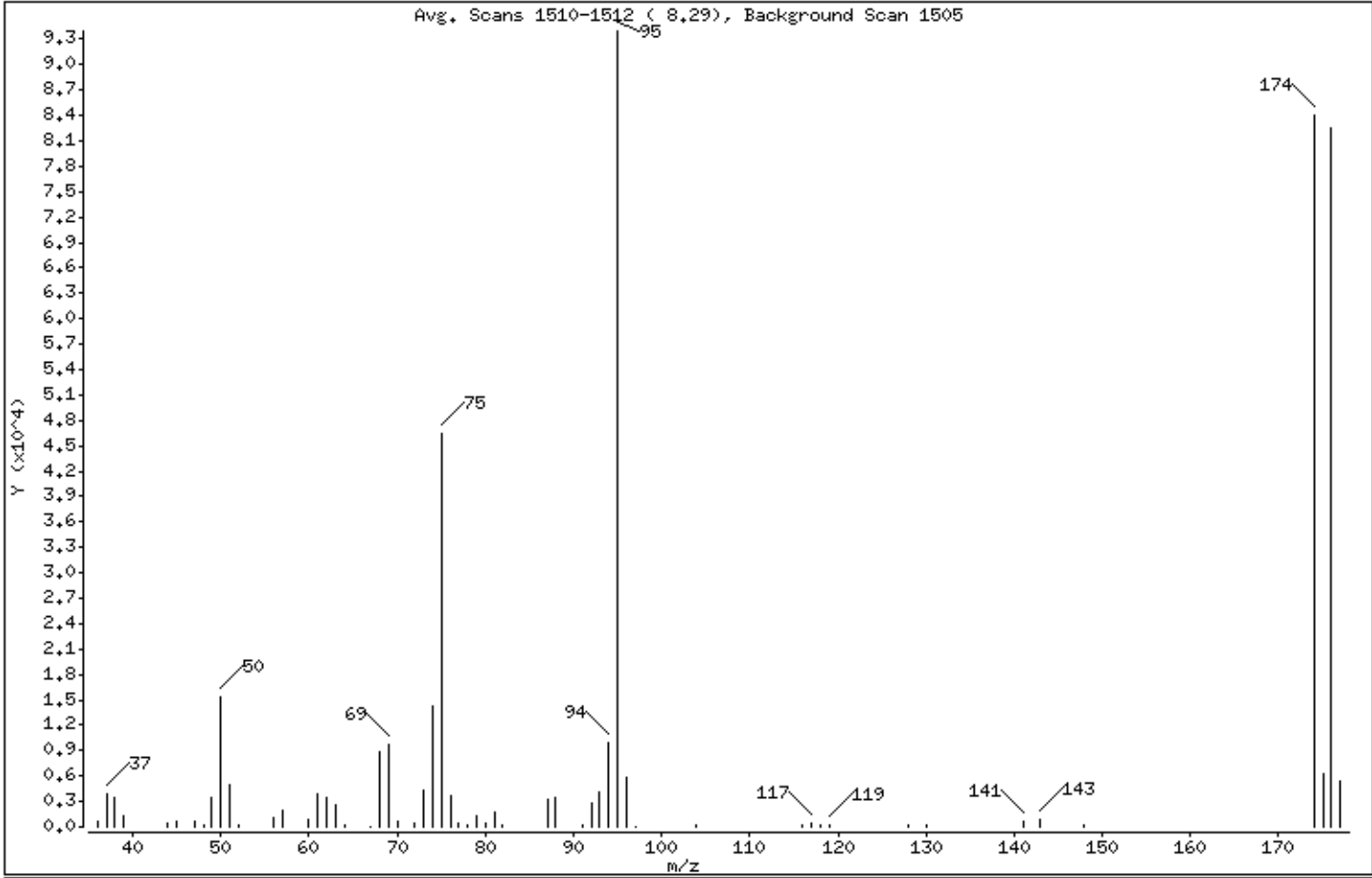
Volume Injected (uL): 1.0

Operator: grm

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	16.21
75	30.00 - 60.00% of mass 95	49.42
96	5.00 - 9.00% of mass 95	6.32
173	Less than 2.00% of mass 174	0.00 (0.00)
174	50.00 - 100.00% of mass 95	89.37
175	5.00 - 9.00% of mass 174	6.67 (7.46)
176	95.00 - 101.00% of mass 174	87.76 (98.19)
177	5.00 - 9.00% of mass 176	5.85 (6.66)

Date : 02-JUL-2014 10:45

Client ID: 8260-TUNE

Instrument: 50mv1a.i

Sample Info: 8260-TUNE,71784;0

Volume Injected (uL): 1.0

Operator: grm

Column phase:

Column diameter: 2.00

Data File: 00bfb.d

Spectrum: Avg. Scans 1510-1512 (8.29), Background Scan 1505

Location of Maximum: 95.00

Number of points: 57

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	737	61.00	3926	79.00	1380	117.00	479
37.00	3857	62.00	3516	80.00	504	118.00	195
38.00	3394	63.00	2680	81.00	1749	119.00	308
39.00	1255	64.00	140	82.00	217	128.00	234
44.00	498	67.00	101	87.00	3322	130.00	199
45.00	734	68.00	8754	88.00	3411	141.00	717
47.00	606	69.00	9711	91.00	113	143.00	822
48.00	261	70.00	704	92.00	2742	148.00	146
49.00	3355	72.00	433	93.00	4048	174.00	83968
50.00	15227	73.00	4260	94.00	10034	175.00	6267
51.00	4909	74.00	14208	95.00	93952	176.00	82448
52.00	140	75.00	46432	96.00	5935	177.00	5492
56.00	1052	76.00	3736	97.00	103		
57.00	2009	77.00	497	104.00	242		
60.00	811	78.00	177	116.00	116		

Date : 02-JUL-2014 22:32

Client ID: 8260-TUNE

Instrument: 50mv1a.i

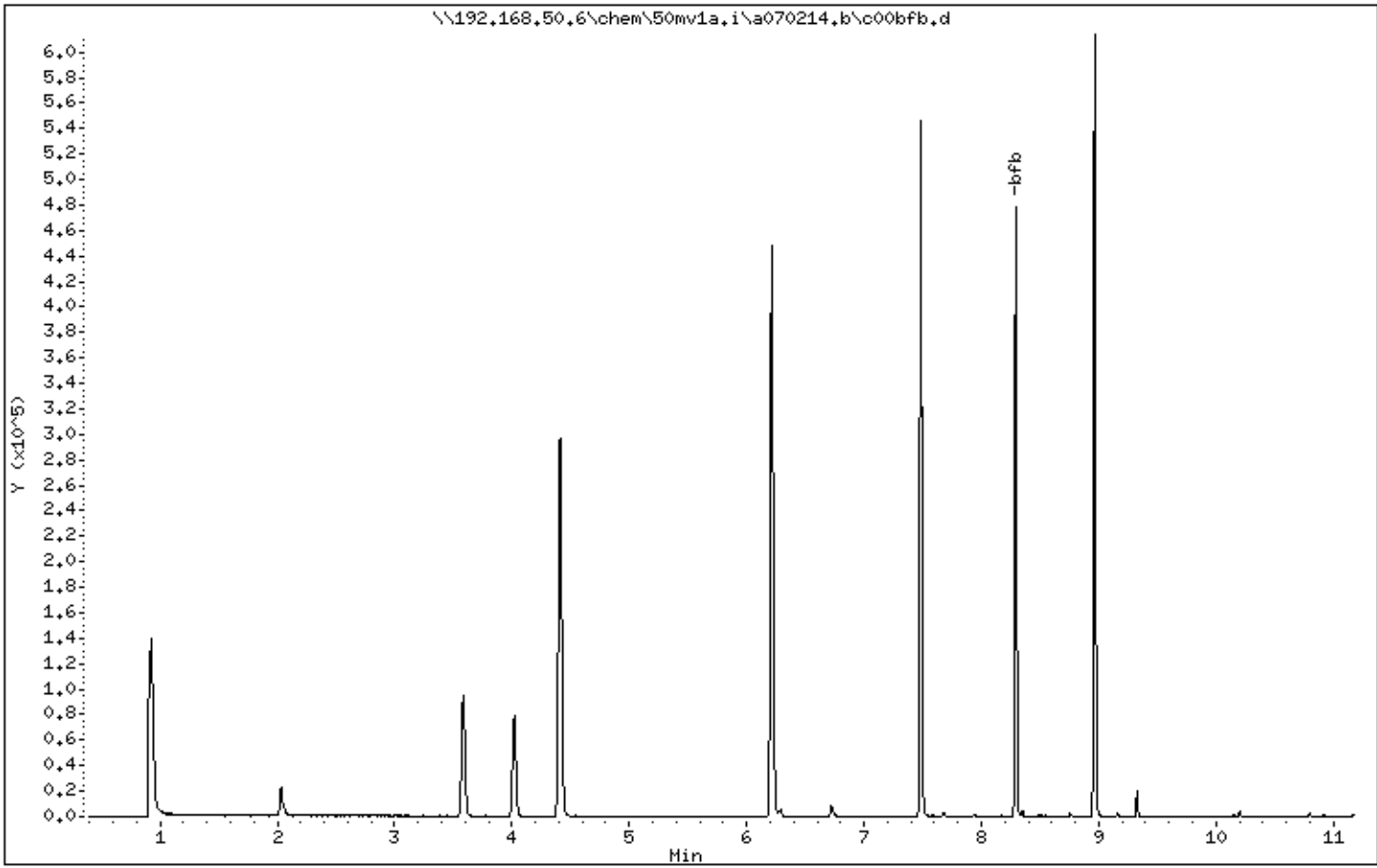
Sample Info: 8260-TUNE,71784;0

Volume Injected (uL): 1.0

Operator: grm

Column phase:

Column diameter: 2.00



Date : 02-JUL-2014 22:32

Client ID: 8260-TUNE

Instrument: 50mv1a.i

Sample Info: 8260-TUNE,71784;0

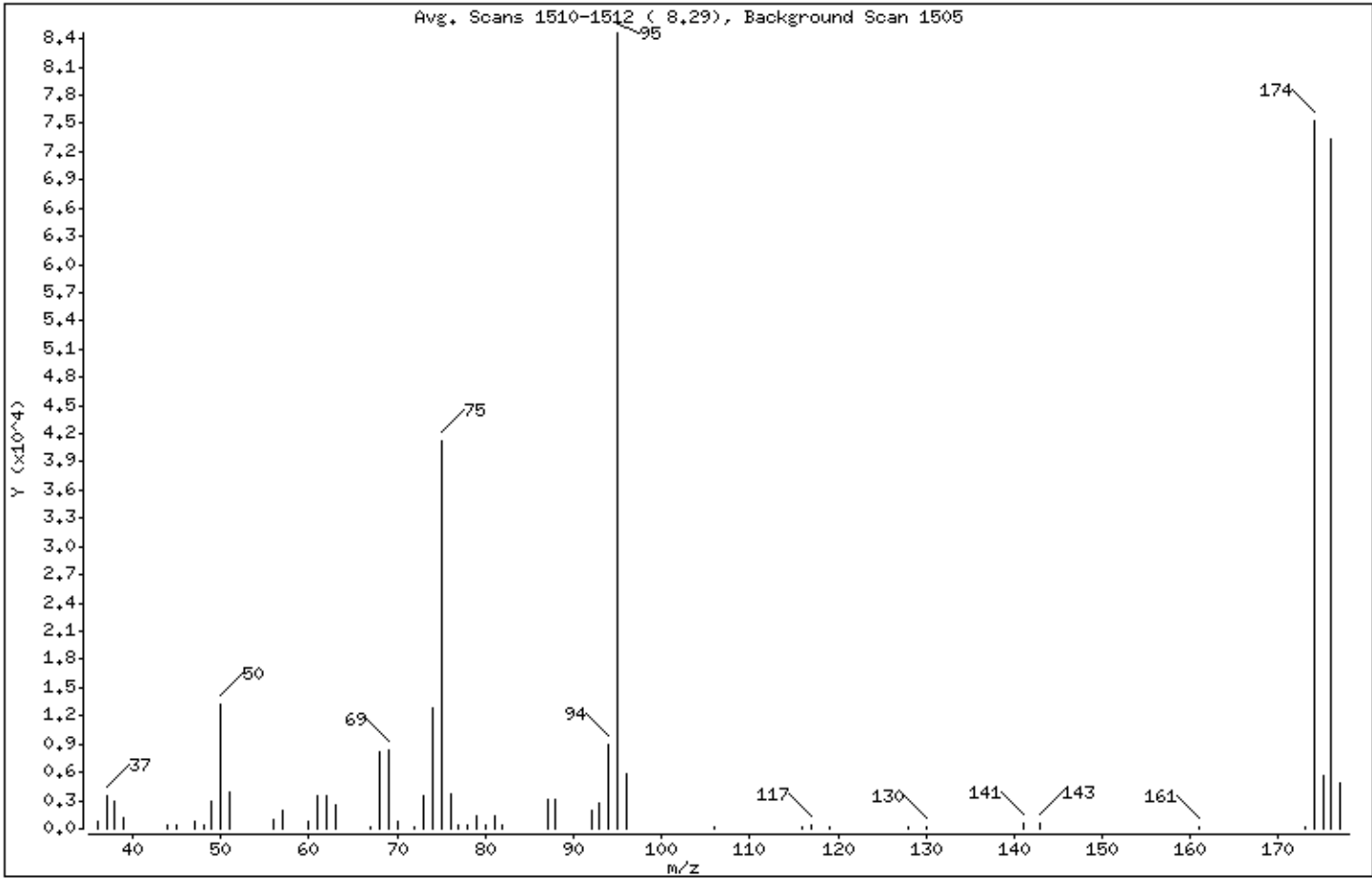
Volume Injected (uL): 1.0

Operator: grm

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	15.63
75	30.00 - 60.00% of mass 95	48.84
96	5.00 - 9.00% of mass 95	6.79
173	Less than 2.00% of mass 174	0.13 (0.14)
174	50.00 - 100.00% of mass 95	88.92
175	5.00 - 9.00% of mass 174	6.59 (7.41)
176	95.00 - 101.00% of mass 174	86.71 (97.51)
177	5.00 - 9.00% of mass 176	5.69 (6.56)

Date : 02-JUL-2014 22:32

Client ID: 8260-TUNE

Instrument: 50mv1a.i

Sample Info: 8260-TUNE,71784;0

Volume Injected (uL): 1.0

Operator: grm

Column phase:

Column diameter: 2.00

Data File: c00bfb.d

Spectrum: Avg. Scans 1510-1512 (8.29), Background Scan 1505

Location of Maximum: 95.00

Number of points: 53

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	711	61.00	3407	79.00	1300	119.00	217
37.00	3473	62.00	3466	80.00	368	128.00	100
38.00	2864	63.00	2448	81.00	1423	130.00	290
39.00	1101	67.00	106	82.00	320	141.00	663
44.00	317	68.00	8229	87.00	3021	143.00	611
45.00	452	69.00	8459	88.00	3033	161.00	103
47.00	688	70.00	698	92.00	2040	173.00	108
48.00	346	72.00	248	93.00	2820	174.00	75232
49.00	2915	73.00	3445	94.00	8856	175.00	5575
50.00	13224	74.00	12841	95.00	84608	176.00	73360
51.00	3814	75.00	41320	96.00	5741	177.00	4816
56.00	1012	76.00	3681	106.00	125		
57.00	1937	77.00	398	116.00	159		
60.00	708	78.00	390	117.00	294		

Date : 03-JUL-2014 11:43

Client ID: 8260-TUNE

Instrument: 50mv1a.i

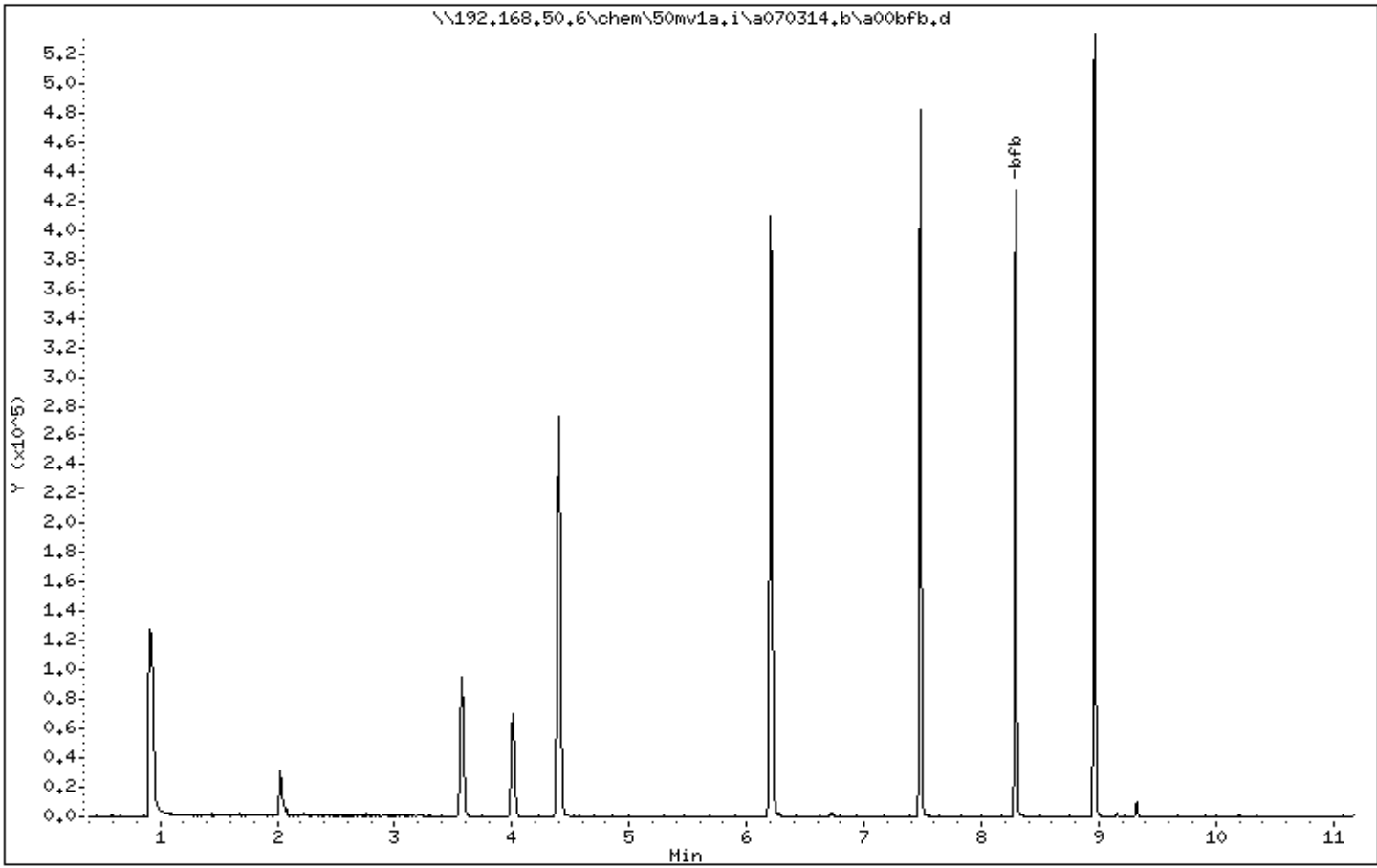
Sample Info: 8260-TUNE,71784;0

Volume Injected (uL): 1.0

Operator: grm

Column phase:

Column diameter: 2.00



Date : 03-JUL-2014 11:43

Client ID: 8260-TUNE

Instrument: 50mv1a.i

Sample Info: 8260-TUNE,71784;0

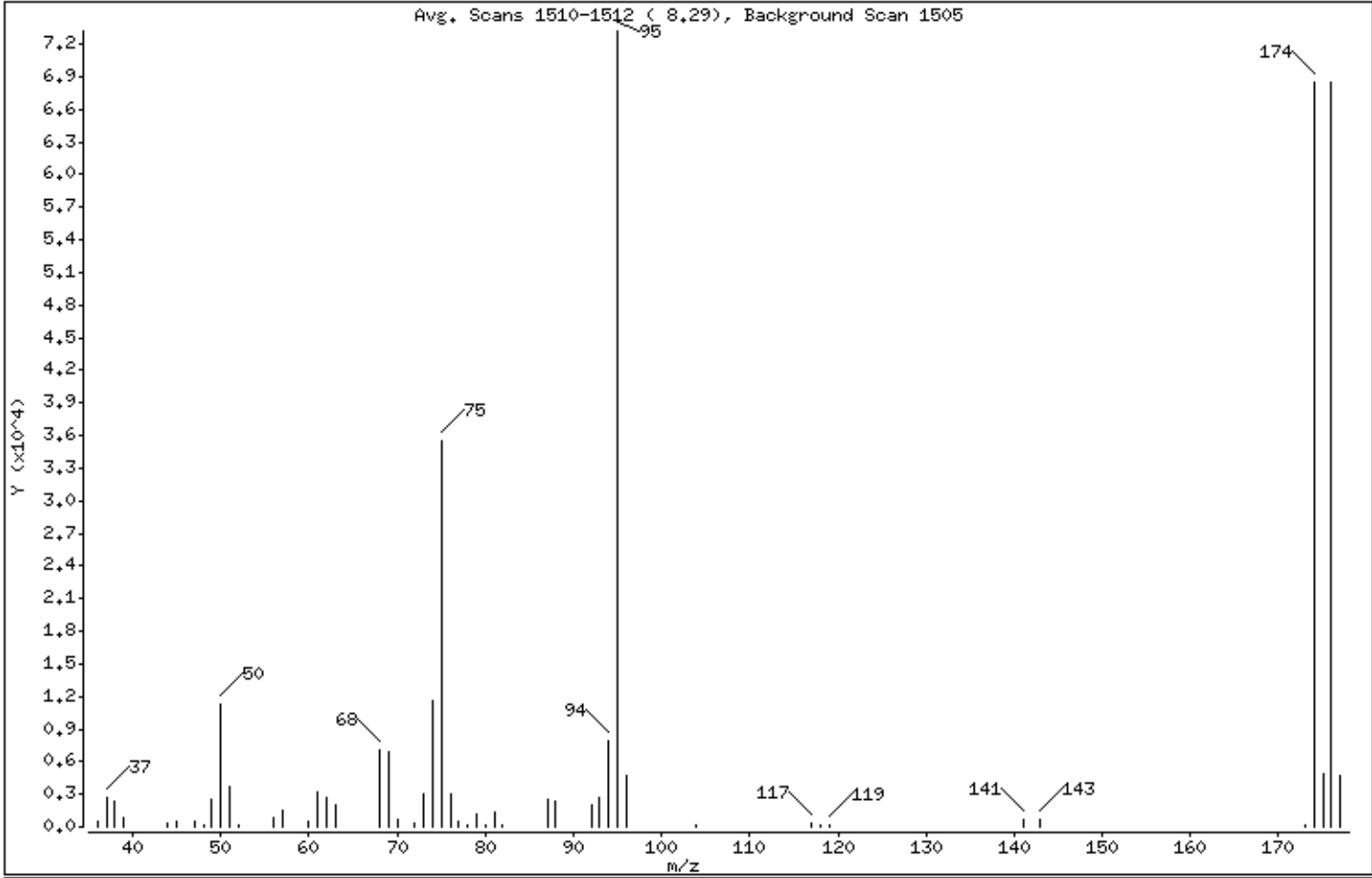
Volume Injected (uL): 1.0

Operator: grm

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	15.42
75	30.00 - 60.00% of mass 95	48.47
96	5.00 - 9.00% of mass 95	6.42
173	Less than 2.00% of mass 174	0.29 (0.31)
174	50.00 - 100.00% of mass 95	93.66
175	5.00 - 9.00% of mass 174	6.64 (7.09)
176	95.00 - 101.00% of mass 174	93.61 (99.94)
177	5.00 - 9.00% of mass 176	6.38 (6.82)

Date : 03-JUL-2014 11:43

Client ID: 8260-TUNE

Instrument: 50mv1a.i

Sample Info: 8260-TUNE,71784;0

Volume Injected (uL): 1.0

Operator: grm

Column phase:

Column diameter: 2.00

Data File: 00bfb.d

Spectrum: Avg. Scans 1510-1512 (8.29), Background Scan 1505

Location of Maximum: 95.00

Number of points: 50

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	573	57.00	1561	77.00	517	104.00	232
37.00	2727	60.00	558	78.00	109	117.00	305
38.00	2273	61.00	3189	79.00	1188	118.00	104
39.00	896	62.00	2675	80.00	252	119.00	106
44.00	384	63.00	2010	81.00	1377	141.00	596
45.00	455	68.00	7096	82.00	127	143.00	630
47.00	522	69.00	6939	87.00	2498	173.00	215
48.00	230	70.00	617	88.00	2326	174.00	68560
49.00	2515	72.00	265	92.00	2069	175.00	4860
50.00	11284	73.00	2959	93.00	2655	176.00	68520
51.00	3762	74.00	11591	94.00	7840	177.00	4672
52.00	132	75.00	35480	95.00	73200		
56.00	891	76.00	3063	96.00	4697		

Date : 19-JUN-2014 13:32

Client ID: 8260-TUNE

Instrument: 50mv1b.i

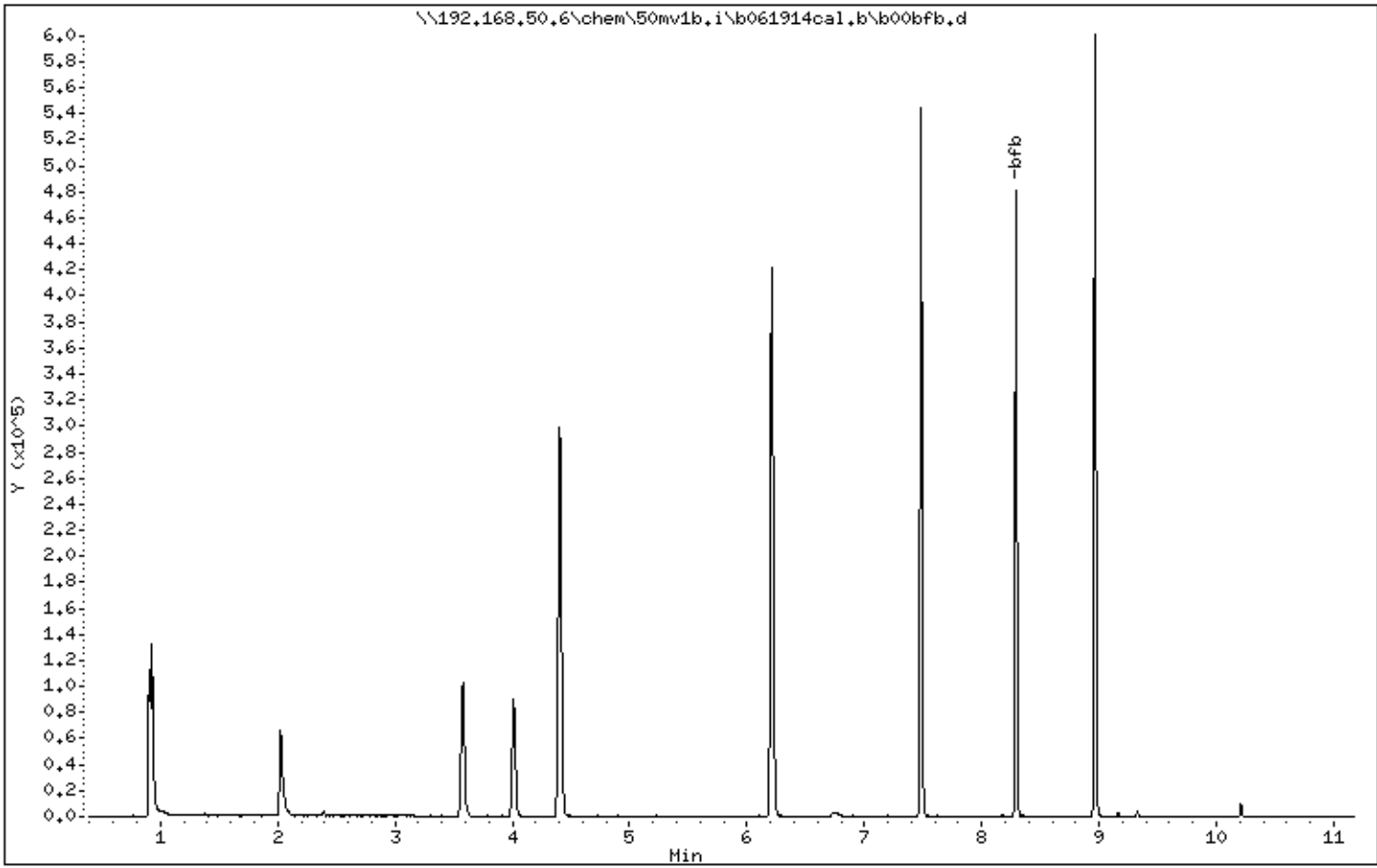
Sample Info: 8260-TUNE,71127:0

Volume Injected (uL): 1.0

Operator: grm

Column phase:

Column diameter: 2,00



Date : 19-JUN-2014 13:32

Client ID: 8260-TUNE

Instrument: 50mv1b.i

Sample Info: 8260-TUNE,71127:0

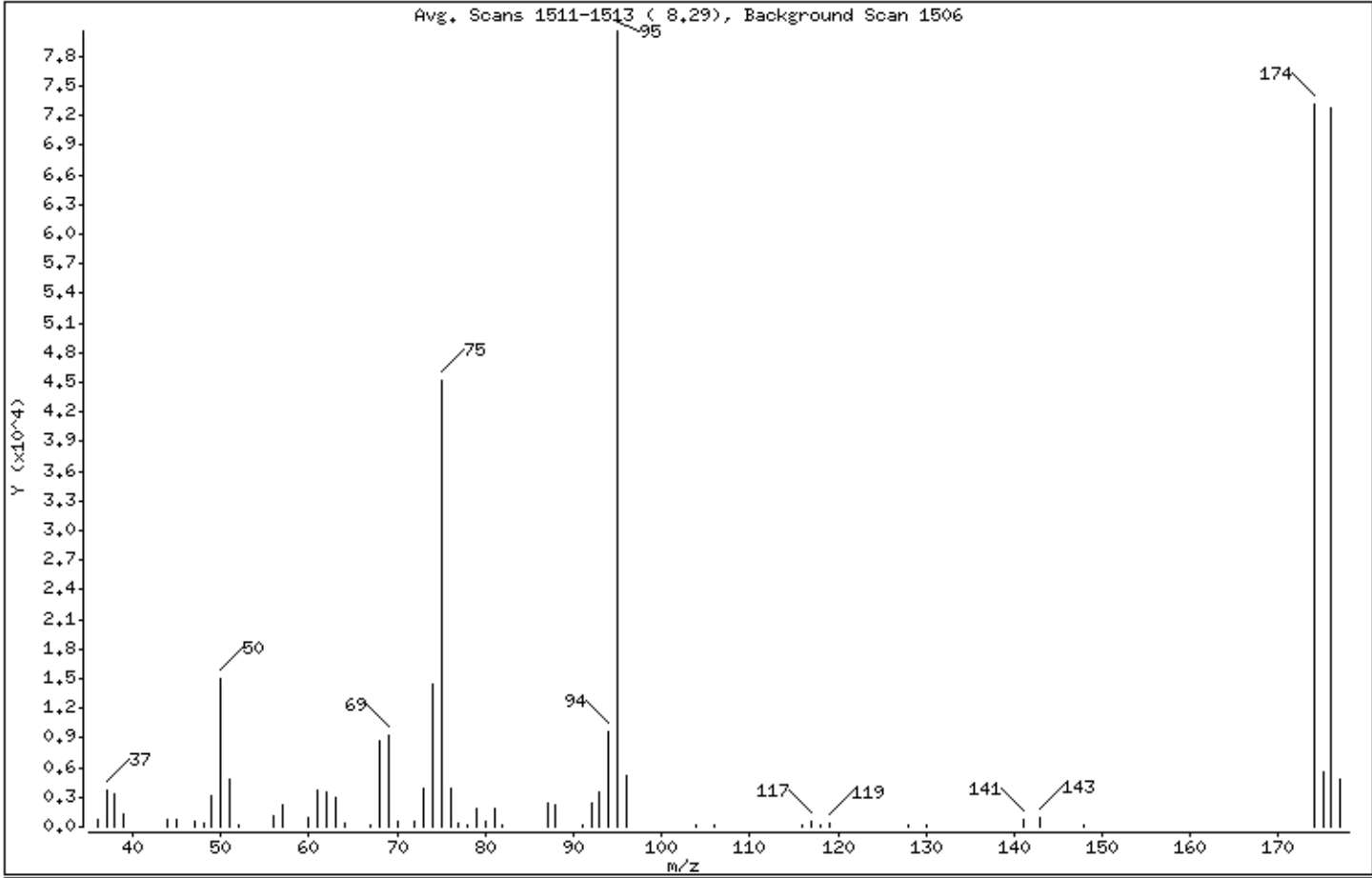
Volume Injected (uL): 1.0

Operator: grm

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	18.62
75	30.00 - 60.00% of mass 95	56.01
96	5.00 - 9.00% of mass 95	6.34
173	Less than 2.00% of mass 174	0.00 (0.00)
174	50.00 - 100.00% of mass 95	90.84
175	5.00 - 9.00% of mass 174	6.85 (7.54)
176	95.00 - 101.00% of mass 174	90.35 (99.46)
177	5.00 - 9.00% of mass 176	6.04 (6.68)

Date : 19-JUN-2014 13:32

Client ID: 8260-TUNE

Instrument: 50mv1b.i

Sample Info: 8260-TUNE,71127:0

Volume Injected (uL): 1.0

Operator: grm

Column phase:

Column diameter: 2.00

Data File: b00bfb.d

Spectrum: Avg. Scans 1511-1513 (8.29), Background Scan 1506

Location of Maximum: 95.00

Number of points: 57

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	742	61.00	3624	79.00	1854	117.00	492
37.00	3702	62.00	3527	80.00	523	118.00	212
38.00	3308	63.00	2995	81.00	1799	119.00	344
39.00	1235	64.00	347	82.00	232	128.00	117
44.00	718	67.00	104	87.00	2330	130.00	133
45.00	658	68.00	8648	88.00	2205	141.00	827
47.00	556	69.00	9210	91.00	119	143.00	956
48.00	386	70.00	595	92.00	2367	148.00	136
49.00	3148	72.00	528	93.00	3502	174.00	73160
50.00	14995	73.00	3797	94.00	9590	175.00	5519
51.00	4785	74.00	14426	95.00	80536	176.00	72768
52.00	210	75.00	45112	96.00	5107	177.00	4863
56.00	1056	76.00	3919	104.00	242		
57.00	2264	77.00	280	106.00	232		
60.00	837	78.00	249	116.00	124		

Date : 01-JUL-2014 21:40

Client ID: 8260-TUNE

Instrument: 50mv1b.i

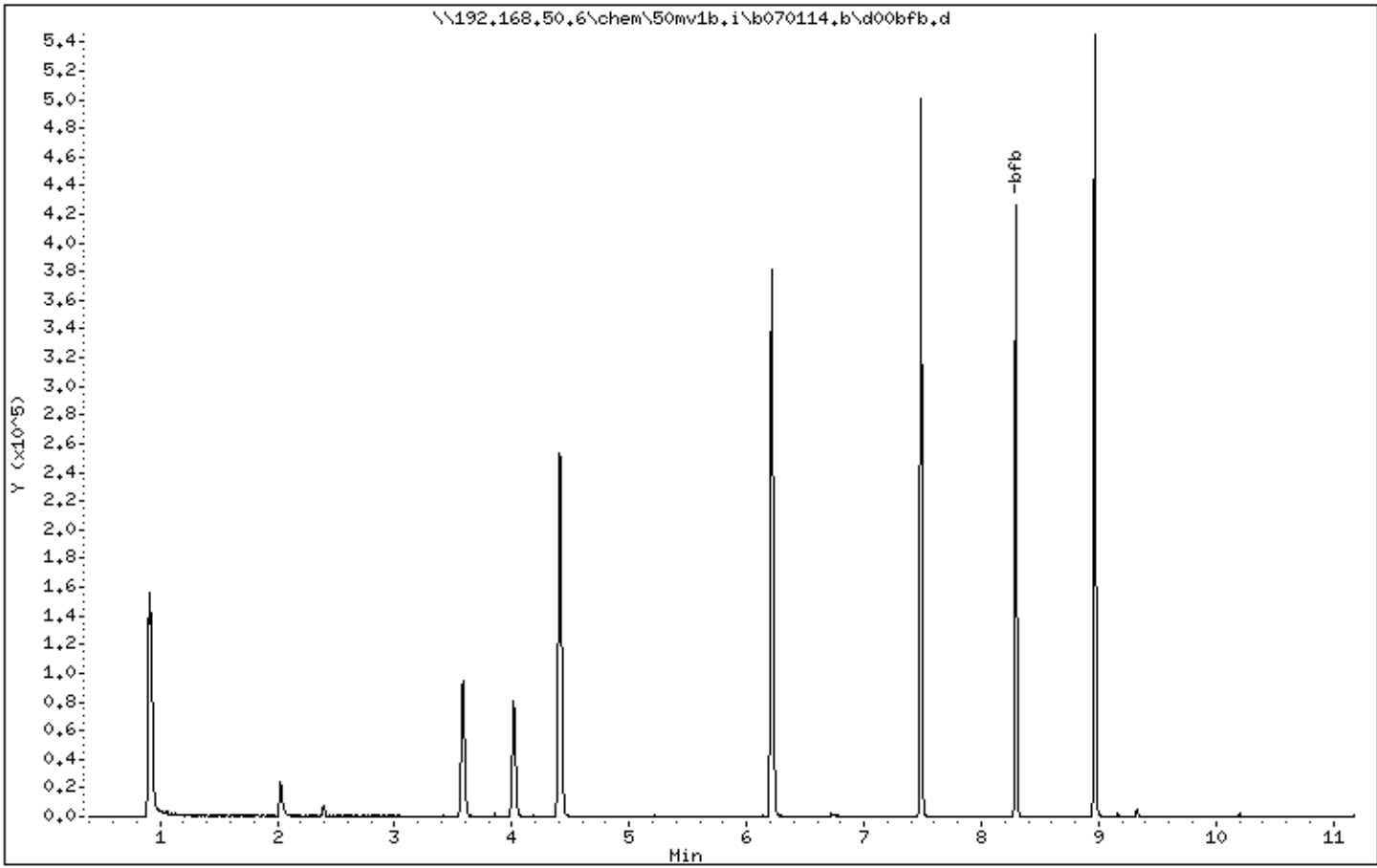
Sample Info: 8260-TUNE,71127:0

Volume Injected (uL): 1.0

Operator: grm

Column phase:

Column diameter: 2.00



Date : 01-JUL-2014 21:40

Client ID: 8260-TUNE

Instrument: 50mv1b.i

Sample Info: 8260-TUNE,71127:0

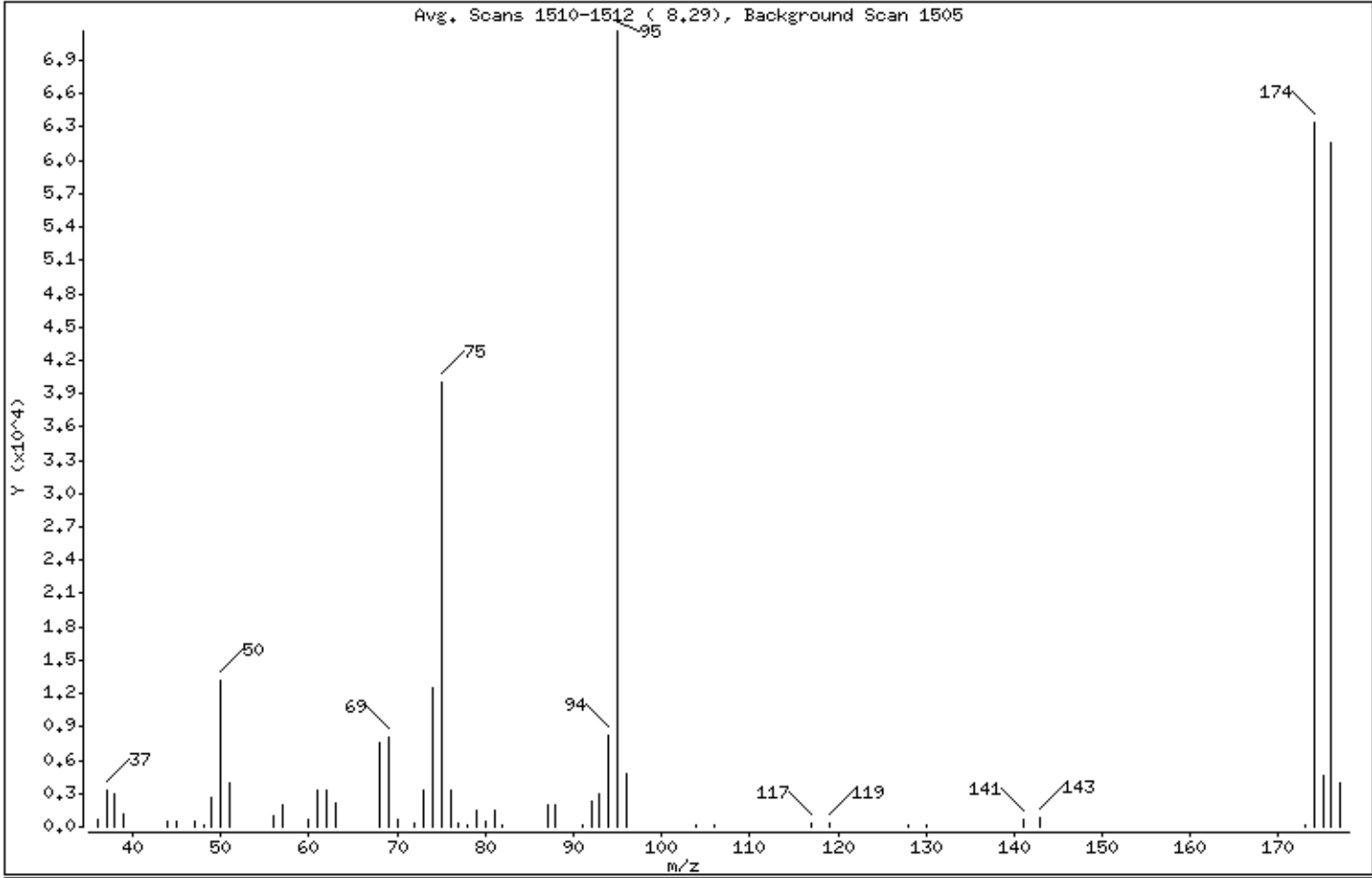
Volume Injected (uL): 1.0

Operator: grm

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	18.29
75	30.00 - 60.00% of mass 95	55.79
96	5.00 - 9.00% of mass 95	6.56
173	Less than 2.00% of mass 174	0.20 (0.22)
174	50.00 - 100.00% of mass 95	88.41
175	5.00 - 9.00% of mass 174	6.51 (7.37)
176	95.00 - 101.00% of mass 174	85.94 (97.21)
177	5.00 - 9.00% of mass 176	5.53 (6.43)

Date : 01-JUL-2014 21:40

Client ID: 8260-TUNE

Instrument: 50mv1b.i

Sample Info: 8260-TUNE,71127:0

Volume Injected (uL): 1.0

Operator: grm

Column phase:

Column diameter: 2.00

Data File: d00bfb.d

Spectrum: Avg. Scans 1510-1512 (8.29), Background Scan 1505

Location of Maximum: 95.00

Number of points: 52

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	732	61.00	3329	80.00	456	119.00	318
37.00	3371	62.00	3370	81.00	1541	128.00	235
38.00	2976	63.00	2188	82.00	104	130.00	104
39.00	1109	68.00	7529	87.00	1994	141.00	610
44.00	429	69.00	8046	88.00	2003	143.00	744
45.00	519	70.00	618	91.00	108	173.00	140
47.00	476	72.00	390	92.00	2287	174.00	63328
48.00	155	73.00	3281	93.00	2930	175.00	4666
49.00	2692	74.00	12592	94.00	8283	176.00	61560
50.00	13098	75.00	39960	95.00	71632	177.00	3960
51.00	3935	76.00	3320	96.00	4697		
56.00	932	77.00	395	104.00	218		
57.00	1928	78.00	104	106.00	101		
60.00	726	79.00	1404	117.00	327		

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 12:26
Date Analyzed: 07/02/2014 12:26
Initial wt/vol: 5 g Final wt/vol: 5 mL Dilution: 1

Contract: Sibley - Accucast
Matrix: Solid SDG No.: 5099627
Lab Sample ID: 1122141
Lab File ID: A070214.BVA03MBS.D
Instrument: 50MV1A 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

07/17/2014 9:25

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 12:26
Date Analyzed: 07/02/2014 12:26
Initial wt/vol: 5 g Final wt/vol: 5 mL Dilution: 1

Contract: Sibley - Accucast
Matrix: Solid SDG No.: 5099627
Lab Sample ID: 1122141
Lab File ID: A070214.BVA03MBS.D
Instrument: 50MV1A 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

07/17/2014 9:25

Pace Analytical Services, Inc.

Data file : \\192.168.50.6\chem\50mv1a.i\070214.b\03mbs.d
 Lab Smp Id: 1122141 Client Smp ID: MBS
 Inj Date : 02-JUL-2014 12:26
 Operator : grm Inst ID: 50mv1a.i
 Smp Info : mbs
 Misc Info : 66420
 Comment :
 Method : \\192.168.50.6\chem\50mv1a.i\070214.b\08260_a_c.m
 Meth Date : 03-Jul-2014 13:53 50mv1a.i Quant Type: ISTD
 Cal Date : 19-JUN-2014 17:44 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

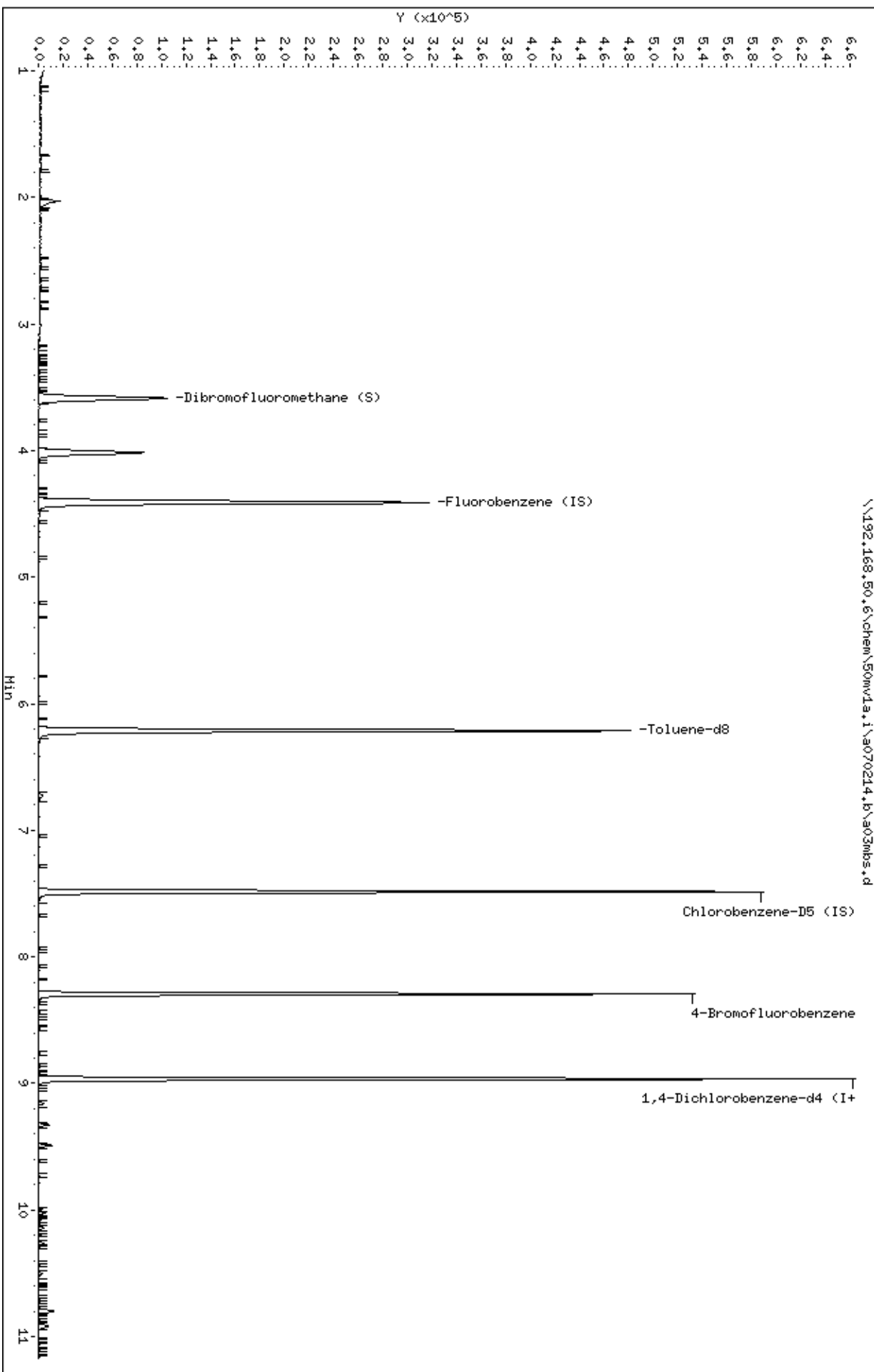
Compounds	QUANT	SIG	CONCENTRATIONS					REVIEW C	
			ON-COLUMN	FINAL					
	MASS		RT	EXP RT	REL RT	RESPONSE	(ppb)	(ppb)	
\$ 38 Dibromofluoromethane (S)	113		3.587	3.585	(0.814)	68440	46.4334	46.4	
* 46 Fluorobenzene (IS)	96		4.407	4.406	(1.000)	306267	50.0000		
\$ 57 Toluene-d8	98		6.211	6.210	(0.830)	298970	50.1263	50.1	
* 67 Chlorobenzene-D5 (IS)	117		7.487	7.485	(1.000)	226198	50.0000		
\$ 76 4-Bromofluorobenzene	95		8.292	8.290	(1.108)	116319	48.0822	48.1	
89 1,3-Dichlorobenzene	146		8.919	8.918	(0.995)	420	0.10168	0.102(Q)	
* 91 1,4-Dichlorobenzene-d4 (IS)	152		8.966	8.965	(1.000)	127426	50.0000		
92 1,4-Dichlorobenzene	146		8.977	8.980	(1.001)	383	0.09632	0.0963(Q)	
94 1,2-Dichlorobenzene	146		9.170	9.169	(1.023)	390	0.11116	0.111(Q)	
98 Naphthalene	128		10.148	10.141	(1.132)	3162	0.85776	0.858	
99 1,2,3-Trichlorobenzene	180		10.263	10.261	(1.145)	1606	0.65860	0.658	
100 2,methyl-naphthalene	142		10.796	10.800	(1.204)	6461	2.66332	2.66	
101 1-methylnaphthalene	142		10.921	10.920	(1.218)	5061	2.54925	2.55	

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Column phase: DB-624

Operator: grm
Column diameter: 0.18



Date : 02-JUL-2014 12:26

Client ID: MBs

Instrument: 50mv1a.i

Sample Info: MBs

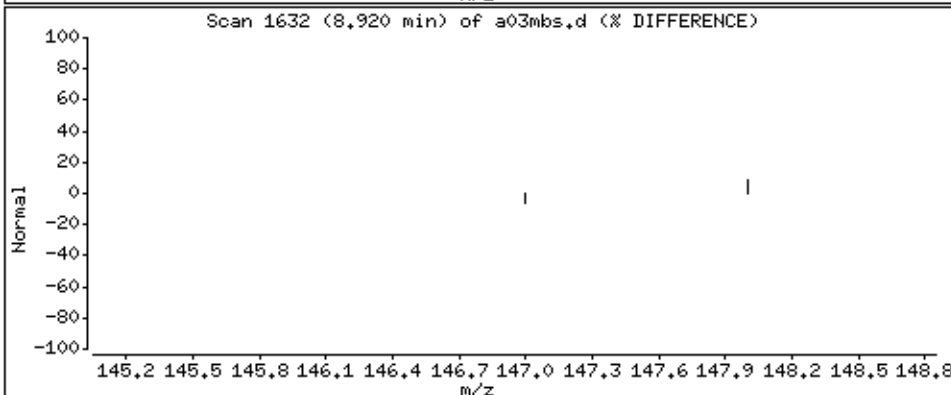
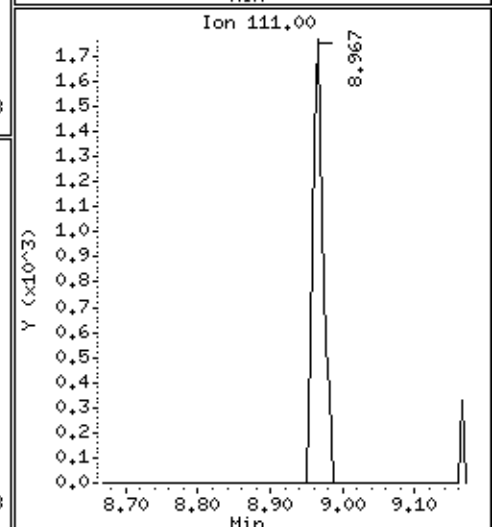
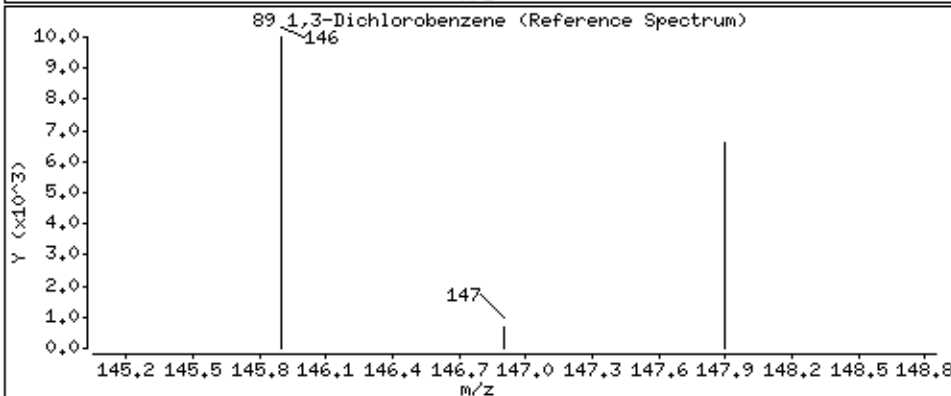
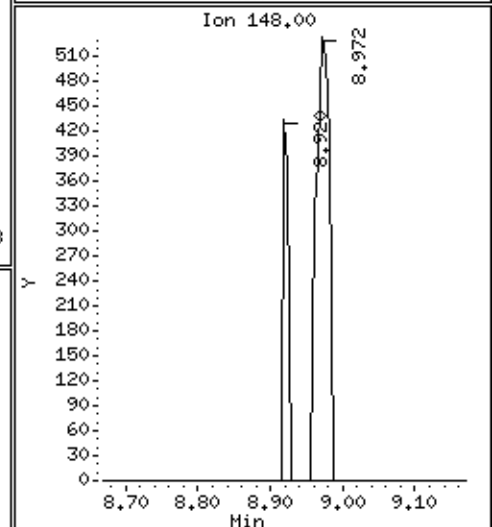
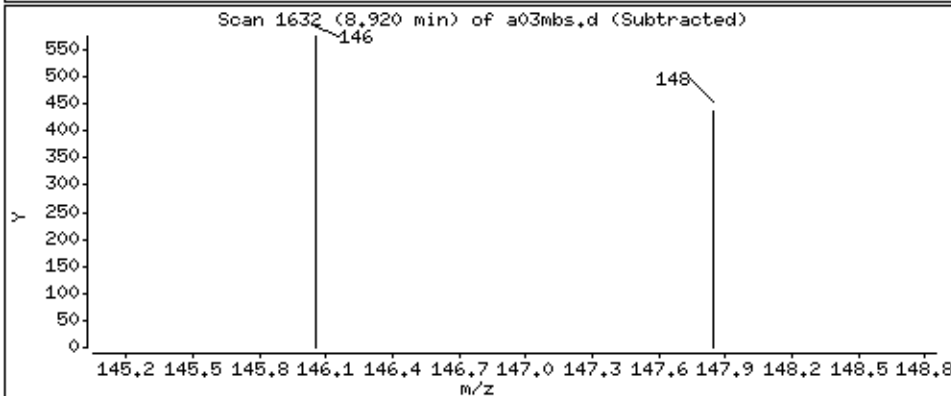
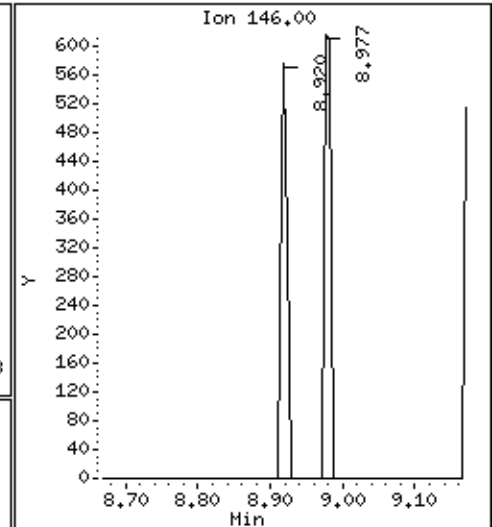
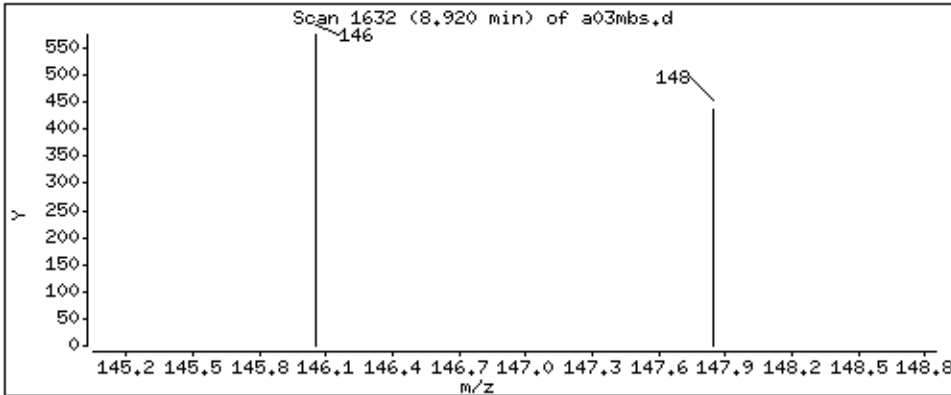
Operator: grm

Column phase: DB-624

Column diameter: 0,18

89 1,3-Dichlorobenzene

Concentration: 0,102 ppb



Date : 02-JUL-2014 12:26

Client ID: MBs

Instrument: 50mv1a.i

Sample Info: MBs

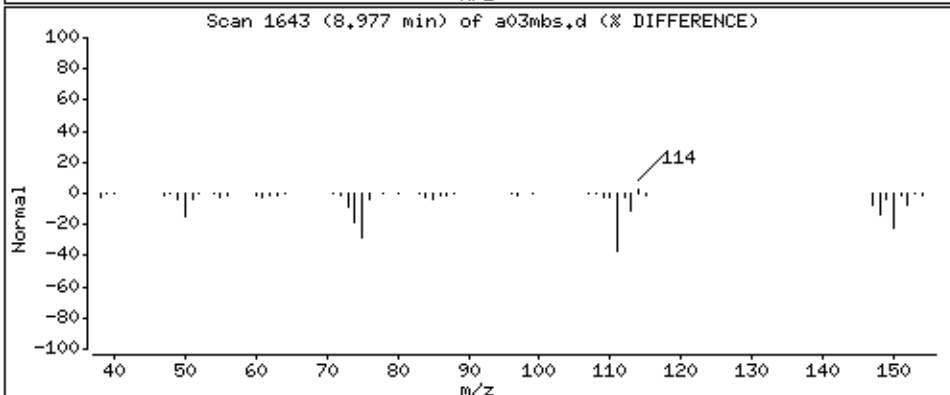
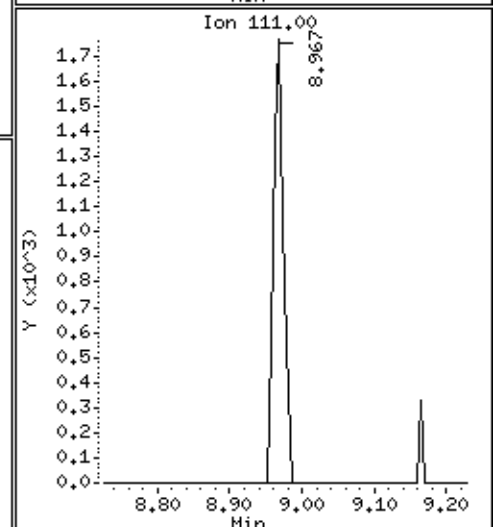
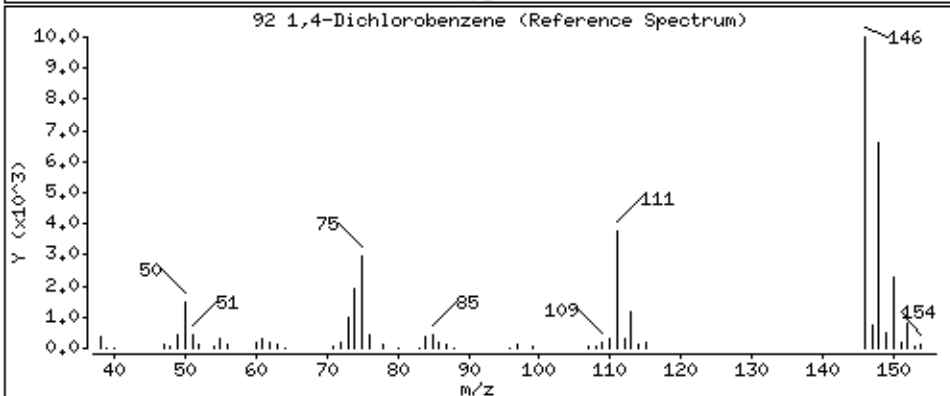
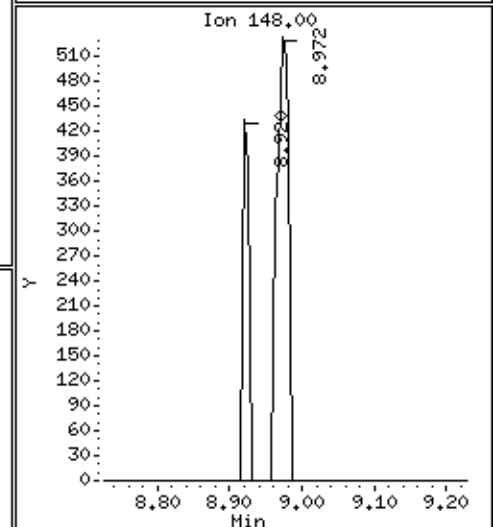
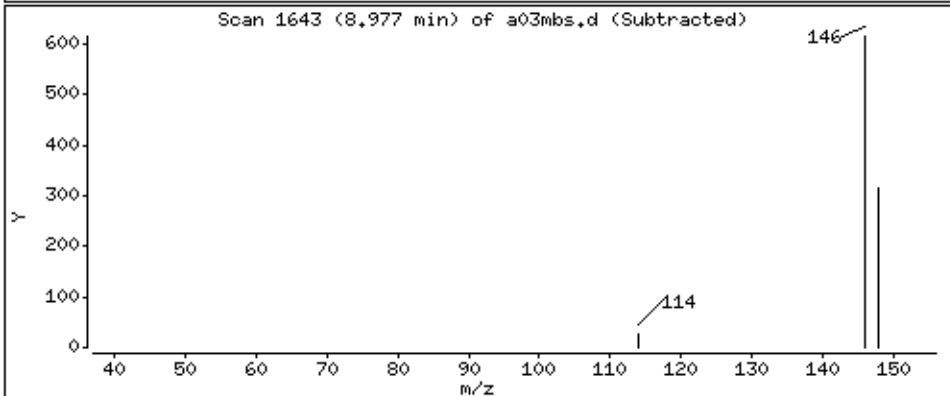
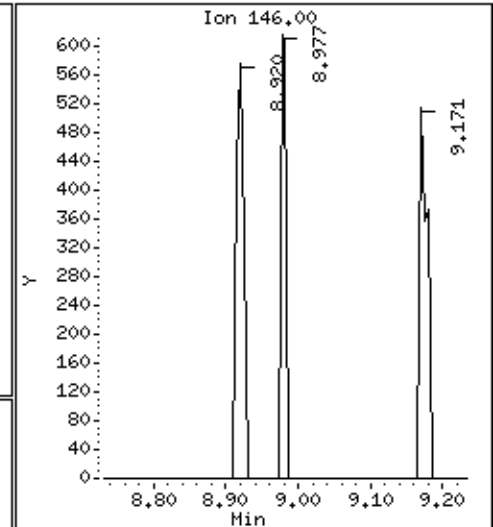
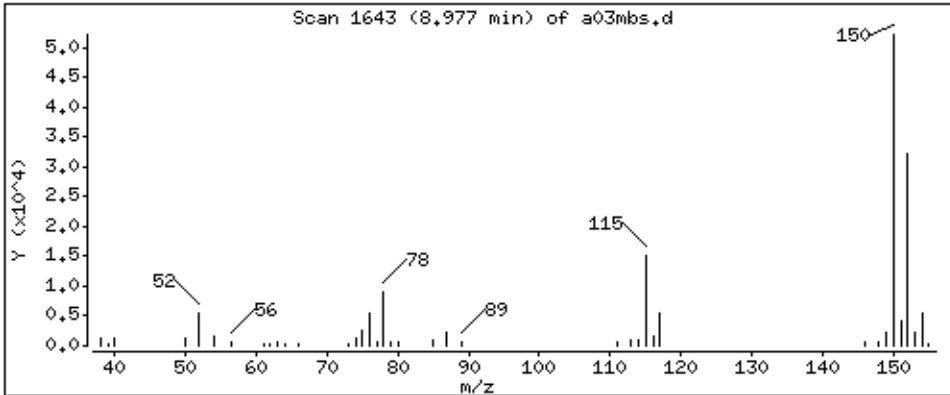
Operator: grm

Column phase: DB-624

Column diameter: 0,18

92 1,4-Dichlorobenzene

Concentration: 0,0963 ppb



Date : 02-JUL-2014 12:26

Client ID: MBs

Instrument: 50mv1a.i

Sample Info: MBs

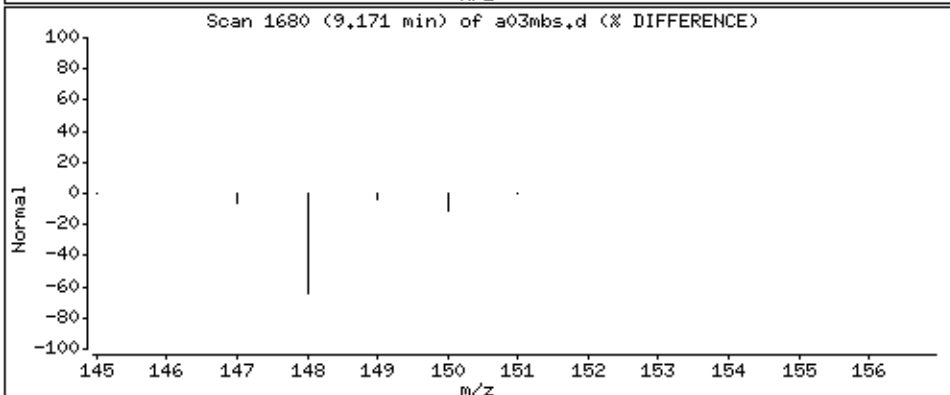
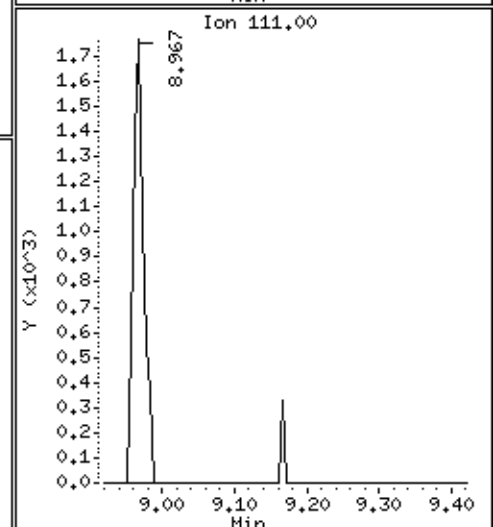
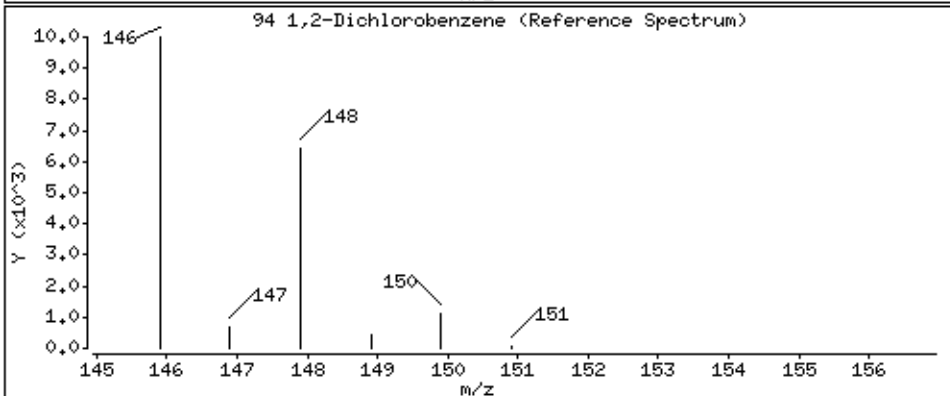
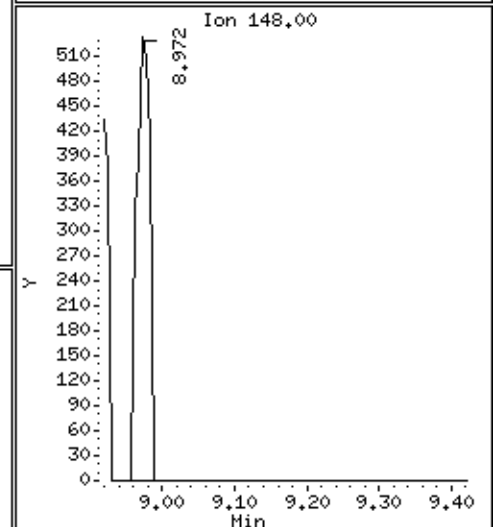
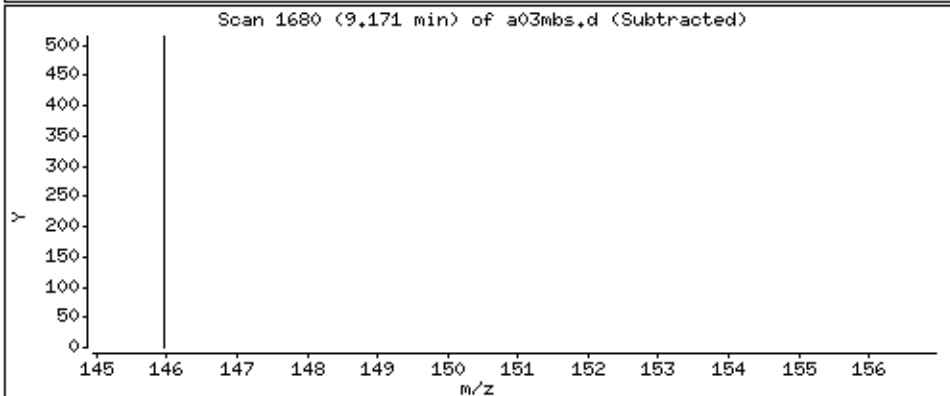
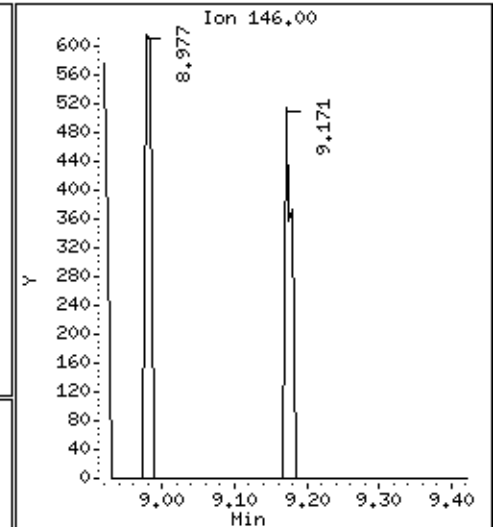
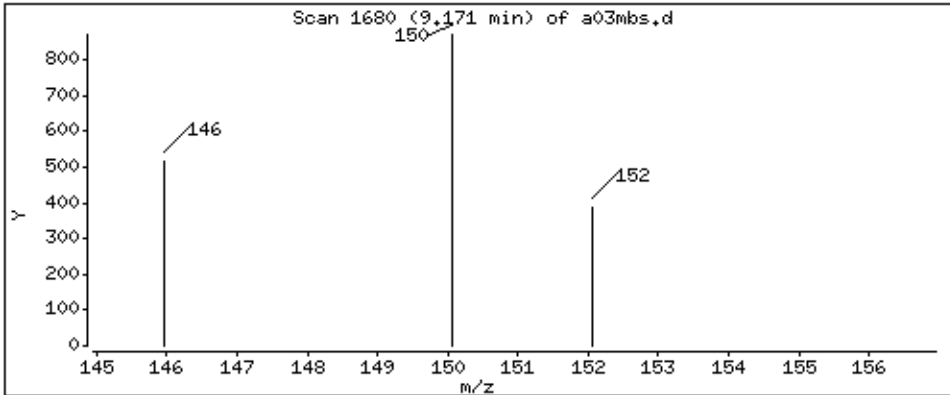
Operator: grm

Column phase: DB-624

Column diameter: 0,18

94 1,2-Dichlorobenzene

Concentration: 0,111 ppb



Date : 02-JUL-2014 12:26

Client ID: MBs

Instrument: 50mv1a.i

Sample Info: MBs

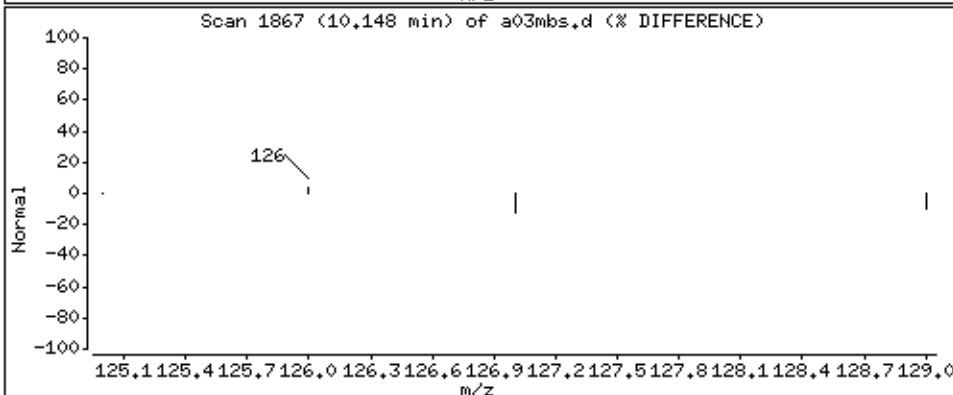
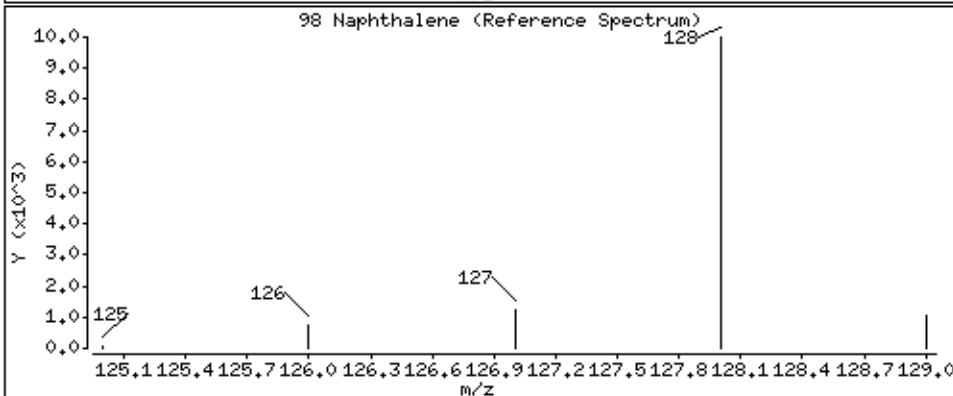
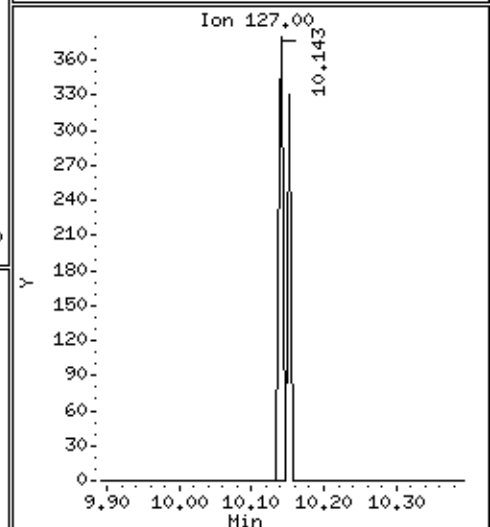
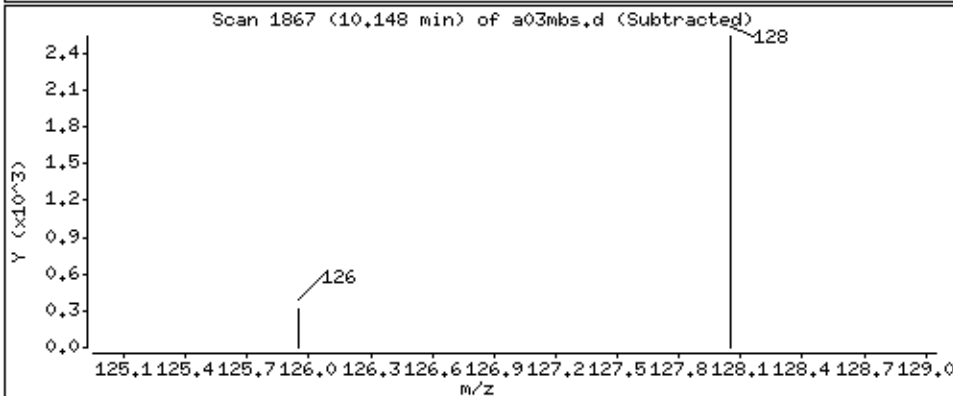
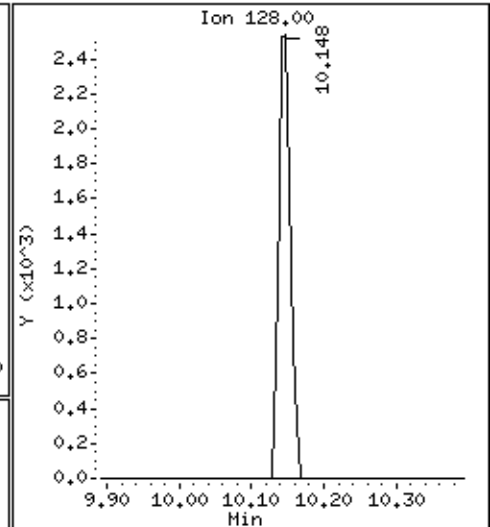
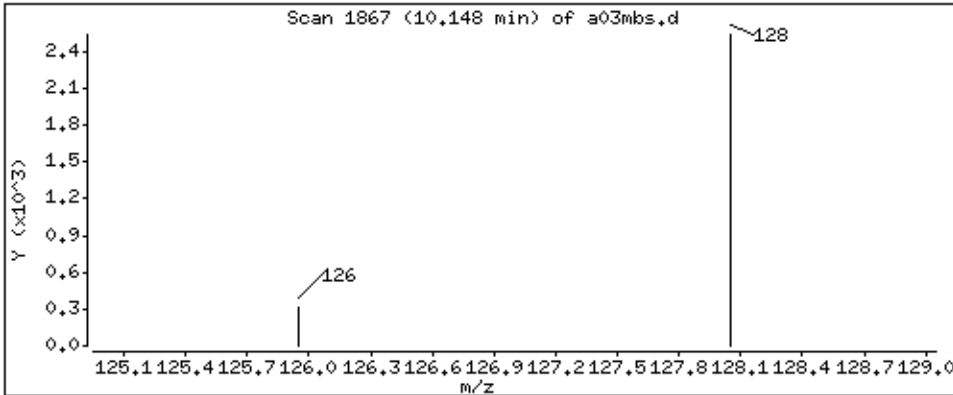
Operator: grm

Column phase: DB-624

Column diameter: 0,18

98 Naphthalene

Concentration: 0,858 ppb



Date : 02-JUL-2014 12:26

Client ID: MBs

Instrument: 50mv1a.i

Sample Info: MBs

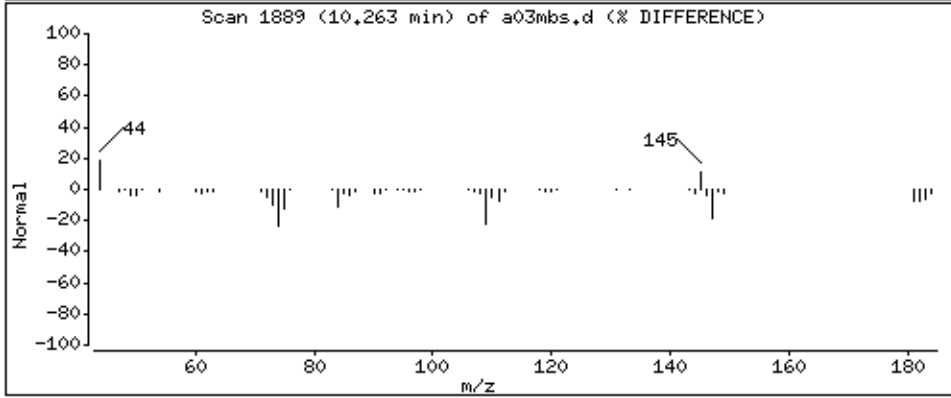
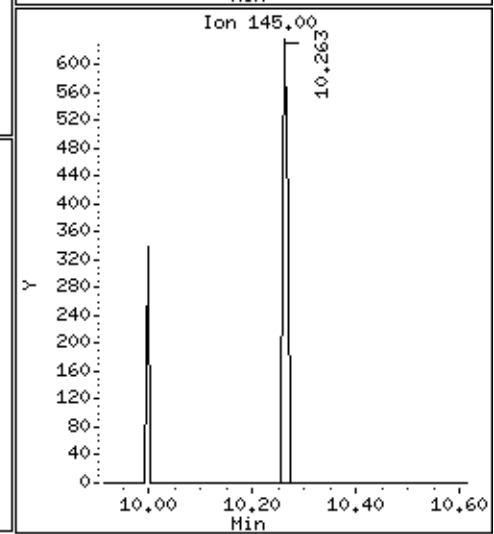
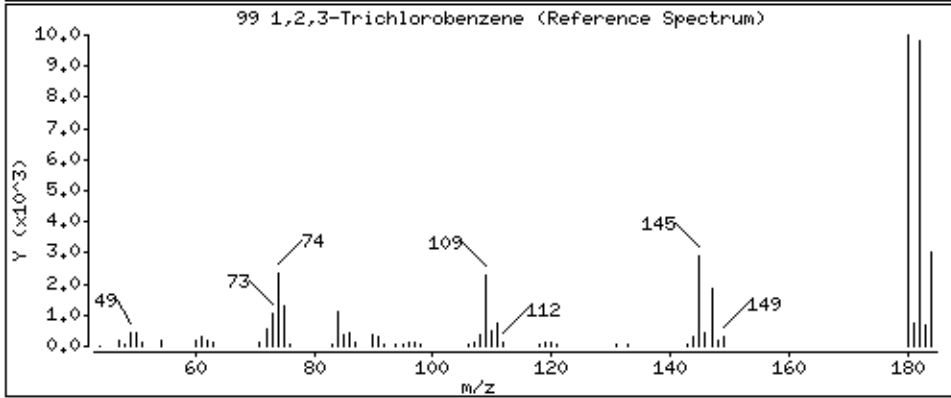
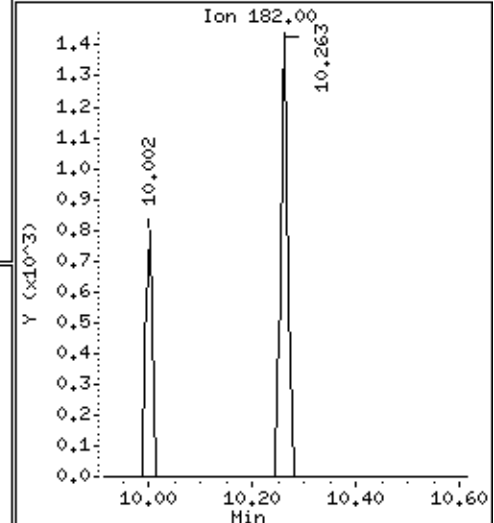
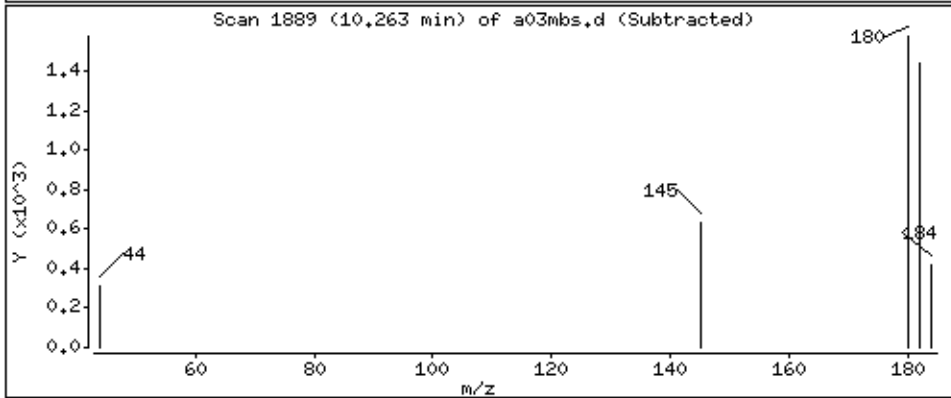
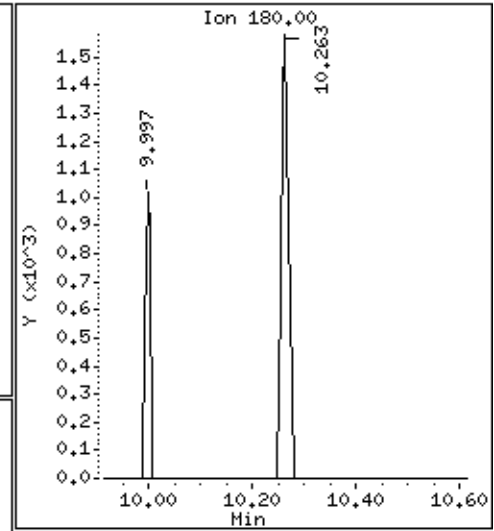
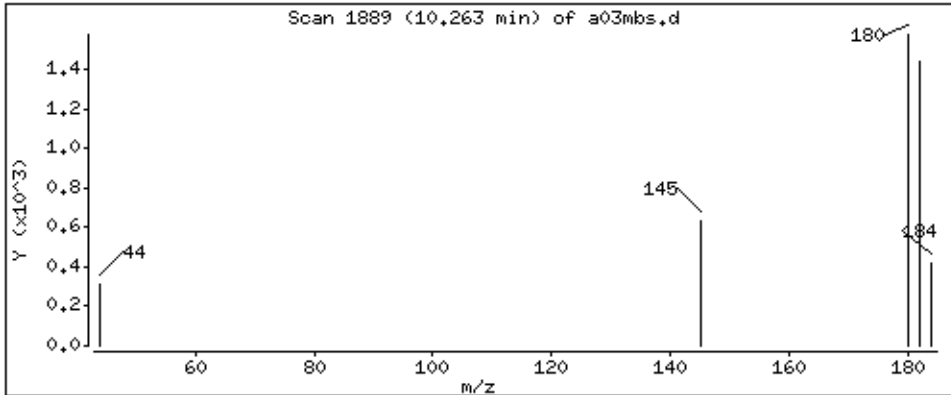
Operator: grm

Column phase: DB-624

Column diameter: 0,18

99 1,2,3-Trichlorobenzene

Concentration: 0,658 ppb



Date : 02-JUL-2014 12:26

Client ID: MBs

Instrument: 50mv1a.i

Sample Info: MBs

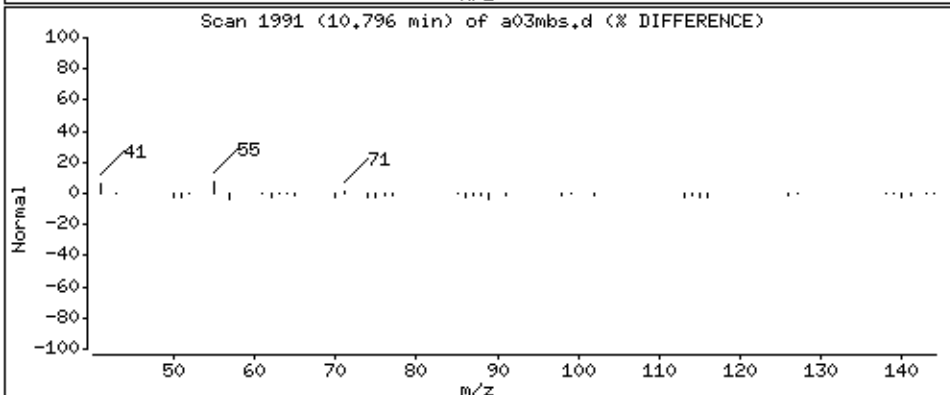
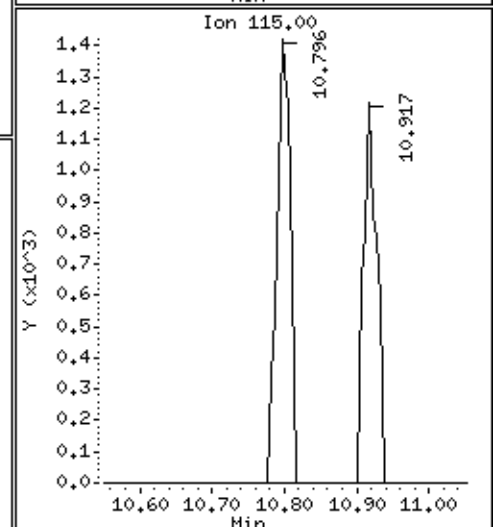
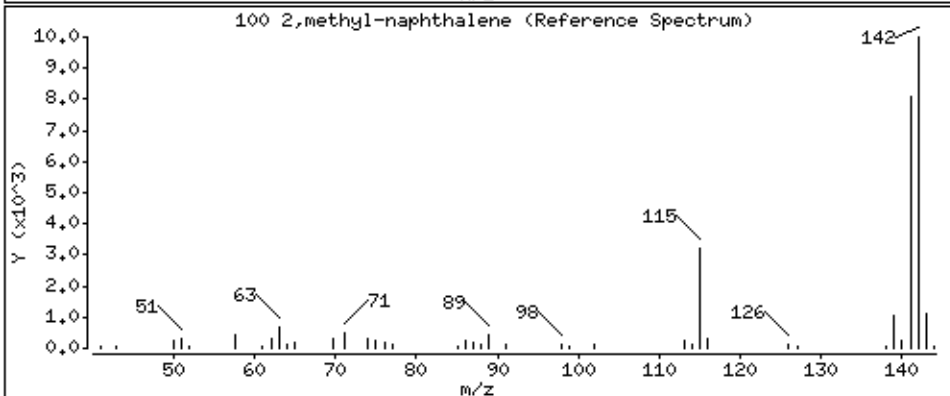
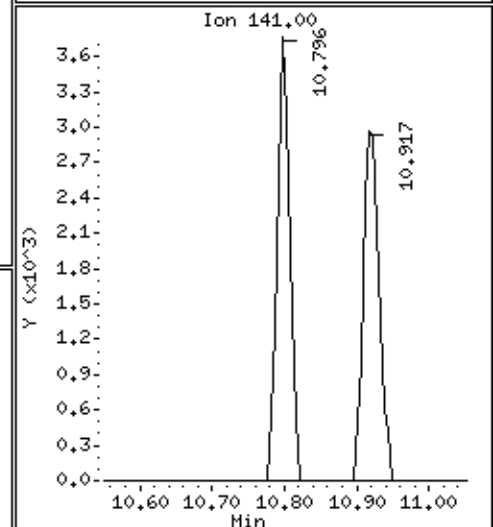
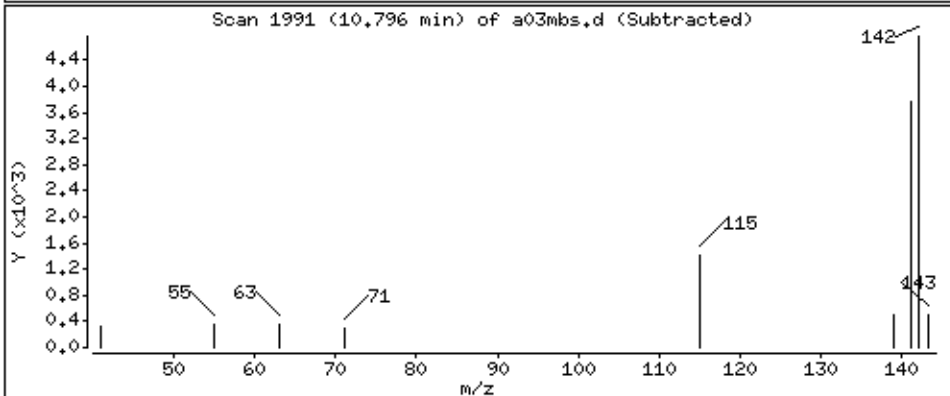
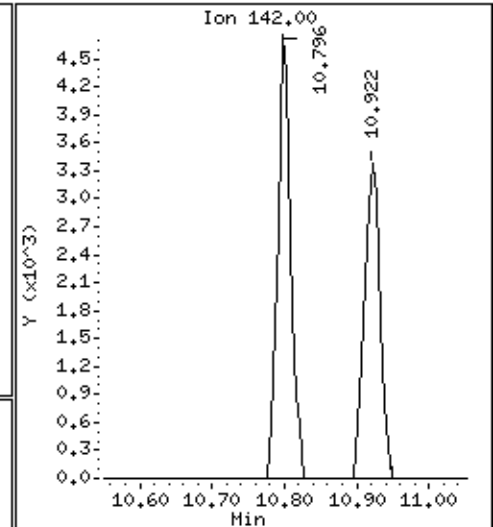
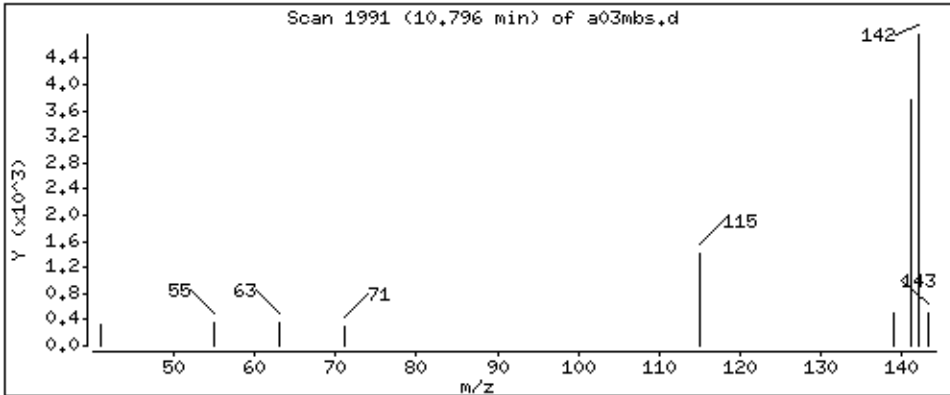
Operator: grm

Column phase: DB-624

Column diameter: 0,18

100 2,methyl-naphthalene

Concentration: 2,66 ppb



Date : 02-JUL-2014 12:26

Client ID: MBs

Instrument: 50mv1a.i

Sample Info: MBs

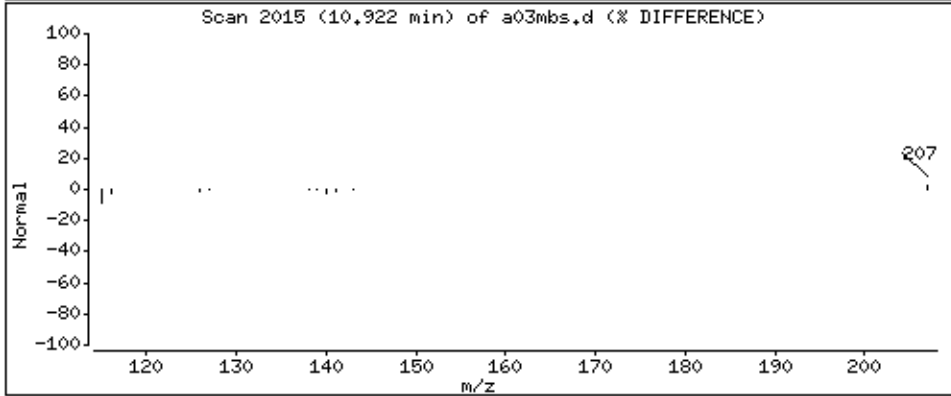
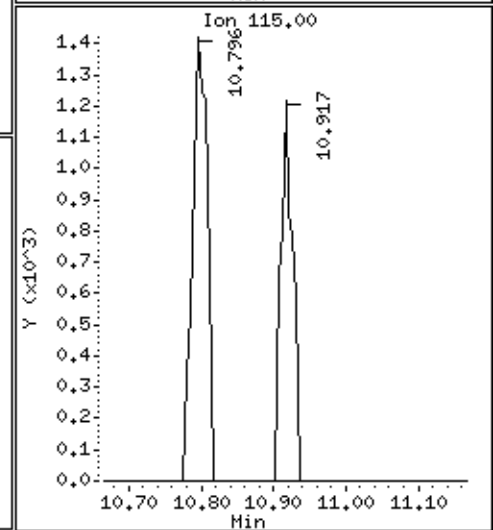
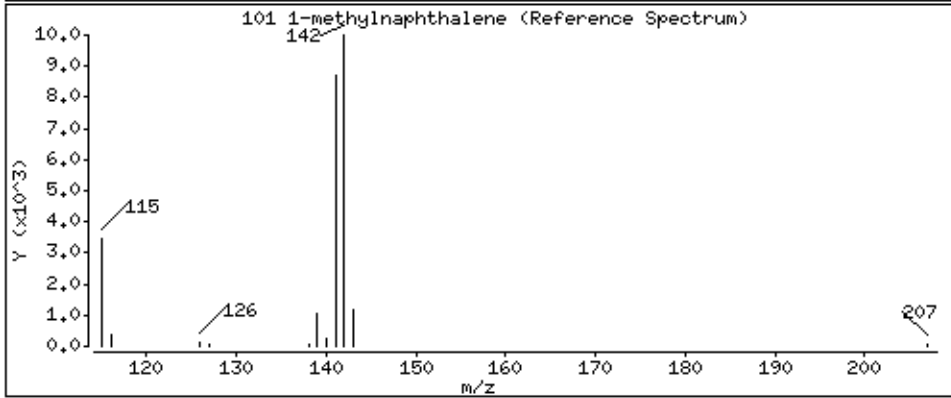
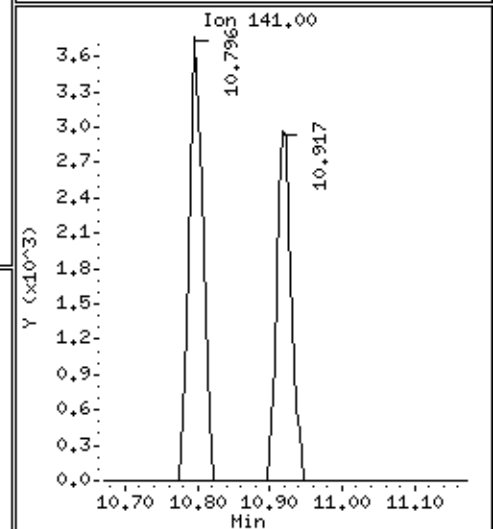
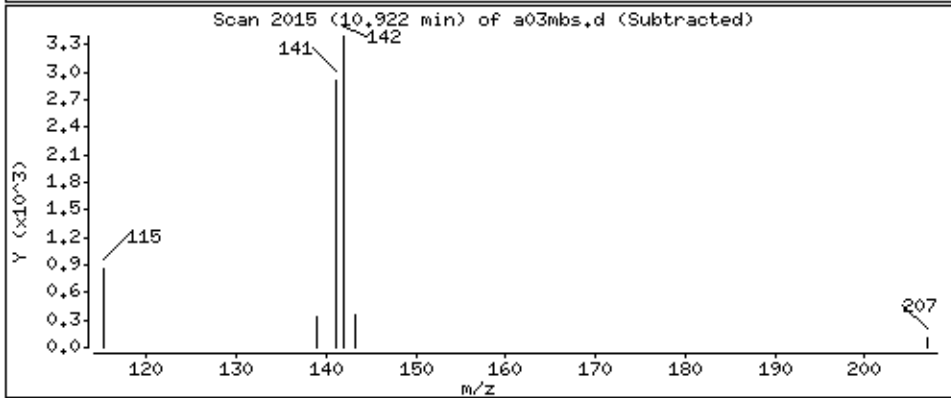
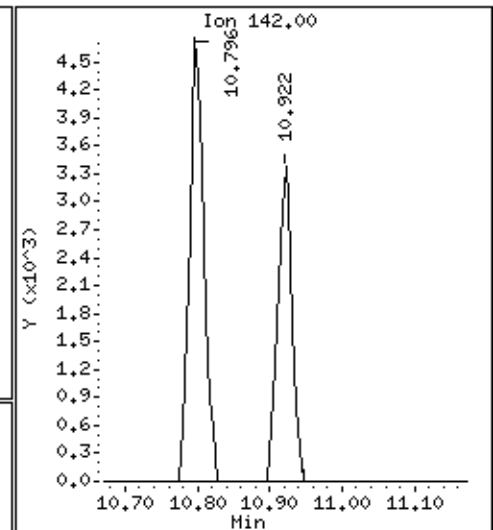
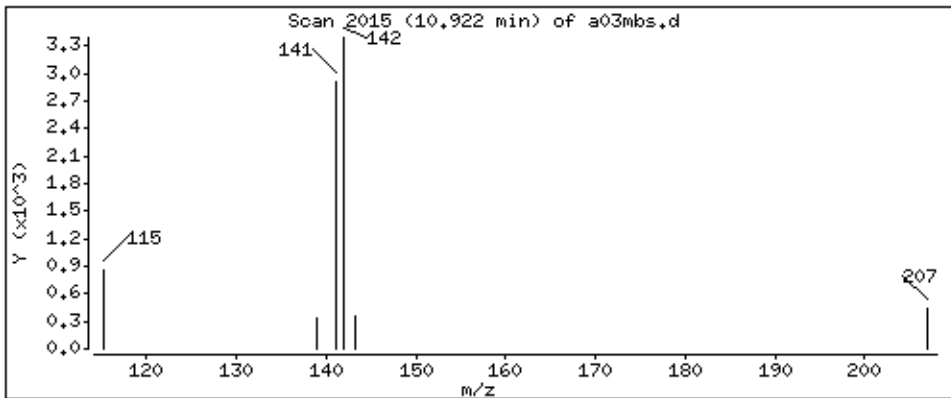
Operator: grm

Column phase: DB-624

Column diameter: 0,18

101 1-methylnaphthalene

Concentration: 2,55 ppb



Data File: \\192.168.50.6\chem\50mv1a.i\a070214.b/a03mbs.d
Injection Date: 02-JUL-2014 12:26
Instrument: 50mv1a.i
Lab Sample ID: 1122141
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

Date Received: _____

Matrix: Solid SDG No.: 5099627

Date Extracted: 07/03/2014 01:19

Lab Sample ID: 1122274

Date Analyzed: 07/03/2014 01:19

Lab File ID: A070214.B\C05MBSX.D

Initial wt/vol: 5 g Final wt/vol: 5 mL Dilution: 1

Instrument: 50MV1A 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

07/17/2014 9:25

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

SAMPLE NO.

BLANK

Lab Name: Pace Analytical - Indiana
Date Received: _____
Date Extracted: 07/03/2014 01:19
Date Analyzed: 07/03/2014 01:19
Initial wt/vol: 5 g Final wt/vol: 5 mL Dilution: 1

Contract: Sibley - Accucast
Matrix: Solid SDG No.: 5099627
Lab Sample ID: 1122274
Lab File ID: A070214.B\C05MBSX.D
Instrument: 50MV1A 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

07/17/2014 9:25

Pace Analytical Services, Inc.

Data file : \\192.168.50.6\chem\50mv1a.i\a070214.b\c05mbsx.d
 Lab Smp Id: 1122274 Client Smp ID: MBs
 Inj Date : 03-JUL-2014 01:19
 Operator : grm Inst ID: 50mv1a.i
 Smp Info : mbs
 Misc Info : 66438
 Comment :
 Method : \\192.168.50.6\chem\50mv1a.i\a070214.b\a8260_a_c.m
 Meth Date : 03-Jul-2014 14:04 50mv1a.i Quant Type: ISTD
 Cal Date : 19-JUN-2014 17:44 Cal File: a08cal.d
 Als bottle: 53 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 (ppb)	FINAL (ppb)	
\$ 38 Dibromofluoromethane (S)	113		3.588	3.582	(0.814)	57386	44.7109	44.7	
* 46 Fluorobenzene (IS)	96		4.408	4.408	(1.000)	266694	50.0000		
\$ 57 Toluene-d8	98		6.212	6.212	(0.830)	263740	50.4610	50.5	
58 Toluene	91		6.280	6.285	(0.839)	1196	0.18105	0.181(Q)	
* 67 Chlorobenzene-D5 (IS)	117		7.488	7.488	(1.000)	198220	50.0000		
\$ 76 4-Bromofluorobenzene	95		8.293	8.293	(1.107)	99213	46.7997	46.8	
* 91 1,4-Dichlorobenzene-d4 (IS)	152		8.967	8.967	(1.000)	110046	50.0000		

QC Flag Legend

Q - Qualifier signal failed the ratio test.

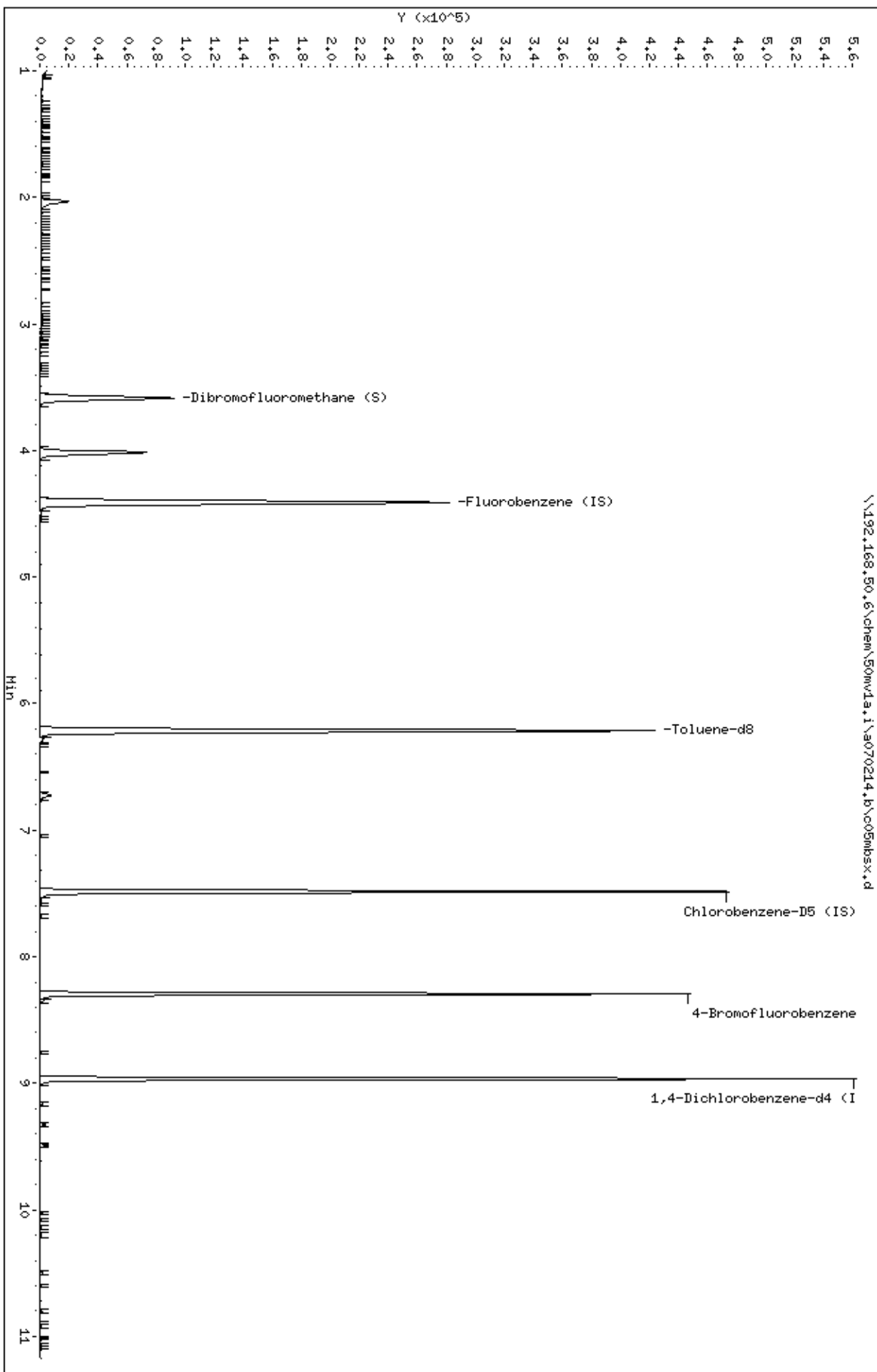
Review Codes Legend

:

Column phase: DB-624

Operator: grm
Column diameter: 0.18

\\192.168.50.6\chem\Sow1a.1\9070214.b\005mbx.d



Date : 03-JUL-2014 01:19

Client ID: MBs

Instrument: 50mv1a.i

Sample Info: MBs

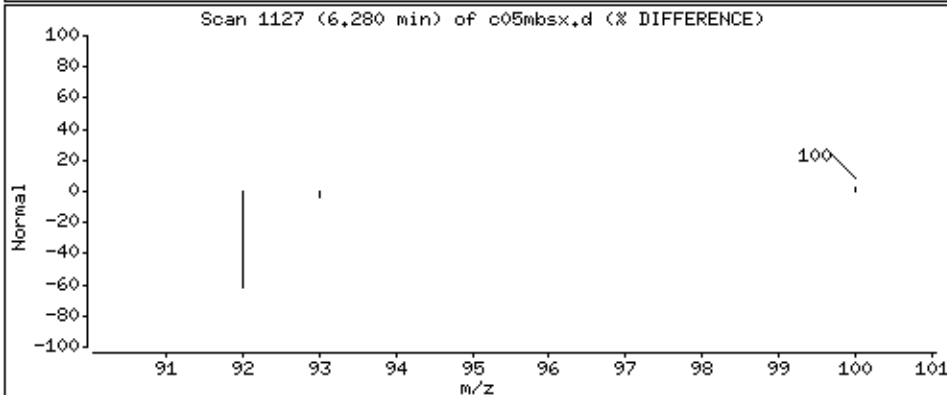
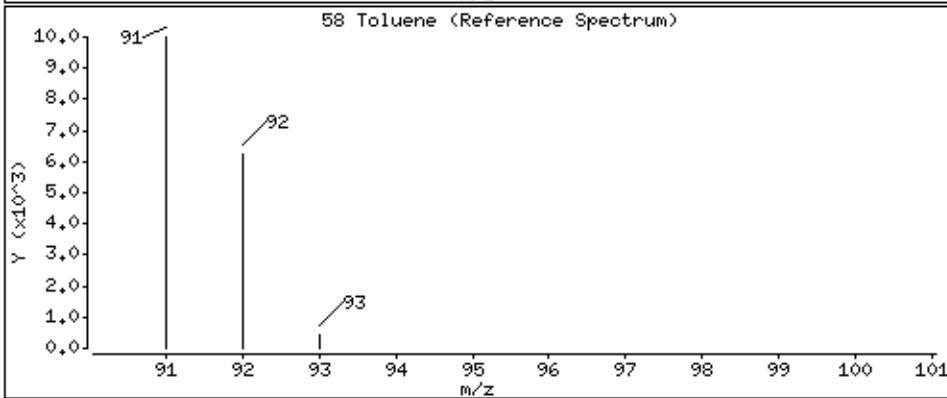
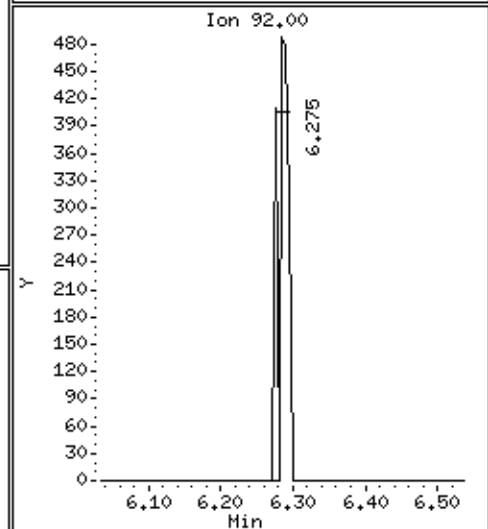
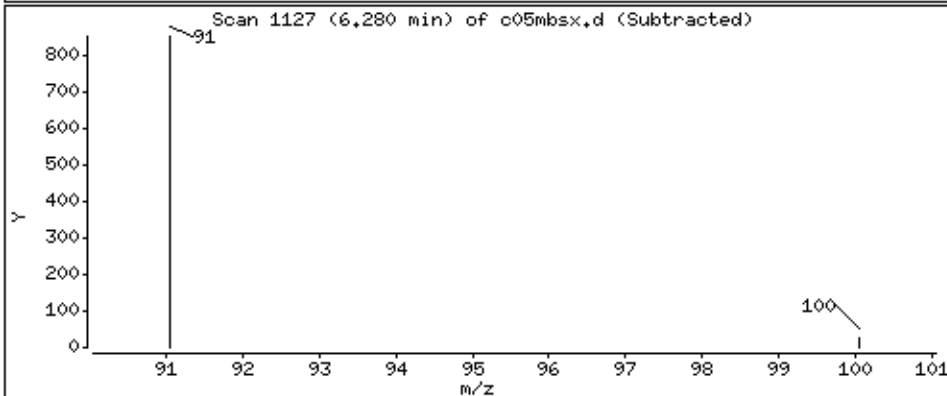
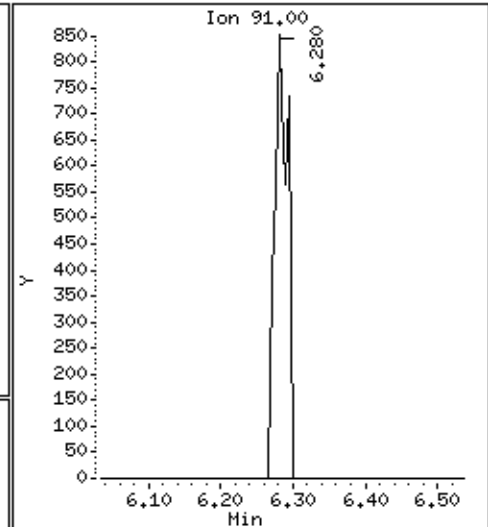
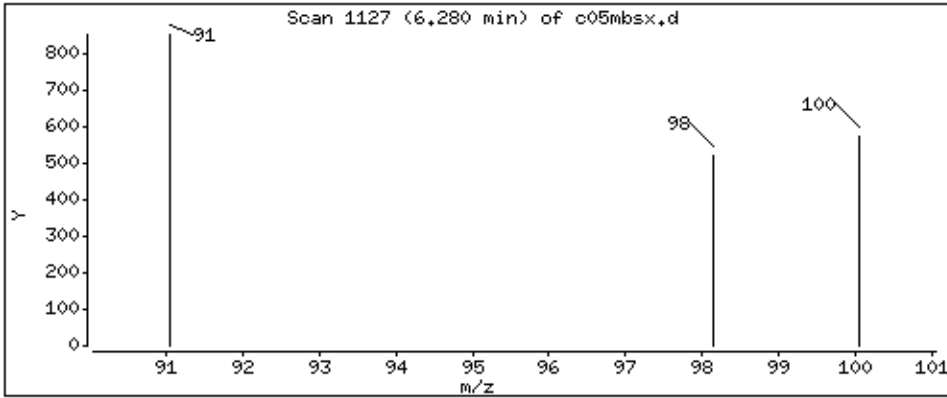
Operator: grm

Column phase: DB-624

Column diameter: 0,18

58 Toluene

Concentration: 0,181 ppb



Data File: \\192.168.50.6\chem\50mv1a.i\a070214.b/c05mbsx.d
Injection Date: 03-JUL-2014 01:19
Instrument: 50mv1a.i
Lab Sample ID: 1122274
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: 07/03/2014 13:56
Date Analyzed: 07/03/2014 13:56
Initial wt/vol: 5 g Final wt/vol: 5 mL Dilution: 1

Contract: Sibley - Accucast
Matrix: Solid SDG No.: 5099627
Lab Sample ID: 1123500
Lab File ID: A070314.BVA04MBS.D
Instrument: 50MV1A 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

07/17/2014 9:25

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

SAMPLE NO.

BLANK

Lab Name: Pace Analytical - Indiana
Date Received: _____
Date Extracted: 07/03/2014 13:56
Date Analyzed: 07/03/2014 13:56
Initial wt/vol: 5 g Final wt/vol: 5 mL Dilution: 1

Contract: Sibley - Accucast
Matrix: Solid SDG No.: 5099627
Lab Sample ID: 1123500
Lab File ID: A070314.BVA04MBS.D
Instrument: 50MV1A 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

07/17/2014 9:25

Pace Analytical Services, Inc.

Data file : \\192.168.50.6\chem\50mv1a.i\a070314.b\a04mbs.d
 Lab Smp Id: 1123500 Client Smp ID: MBS
 Inj Date : 03-JUL-2014 13:56
 Operator : grm Inst ID: 50mv1a.i
 Smp Info : mbs
 Misc Info : 66523
 Comment :
 Method : \\192.168.50.6\chem\50mv1a.i\a070314.b\a8260_a_c.m
 Meth Date : 07-Jul-2014 11:05 50mv1a.i Quant Type: ISTD
 Cal Date : 19-JUN-2014 17:44 Cal File: a08cal.d
 Als bottle: 9 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

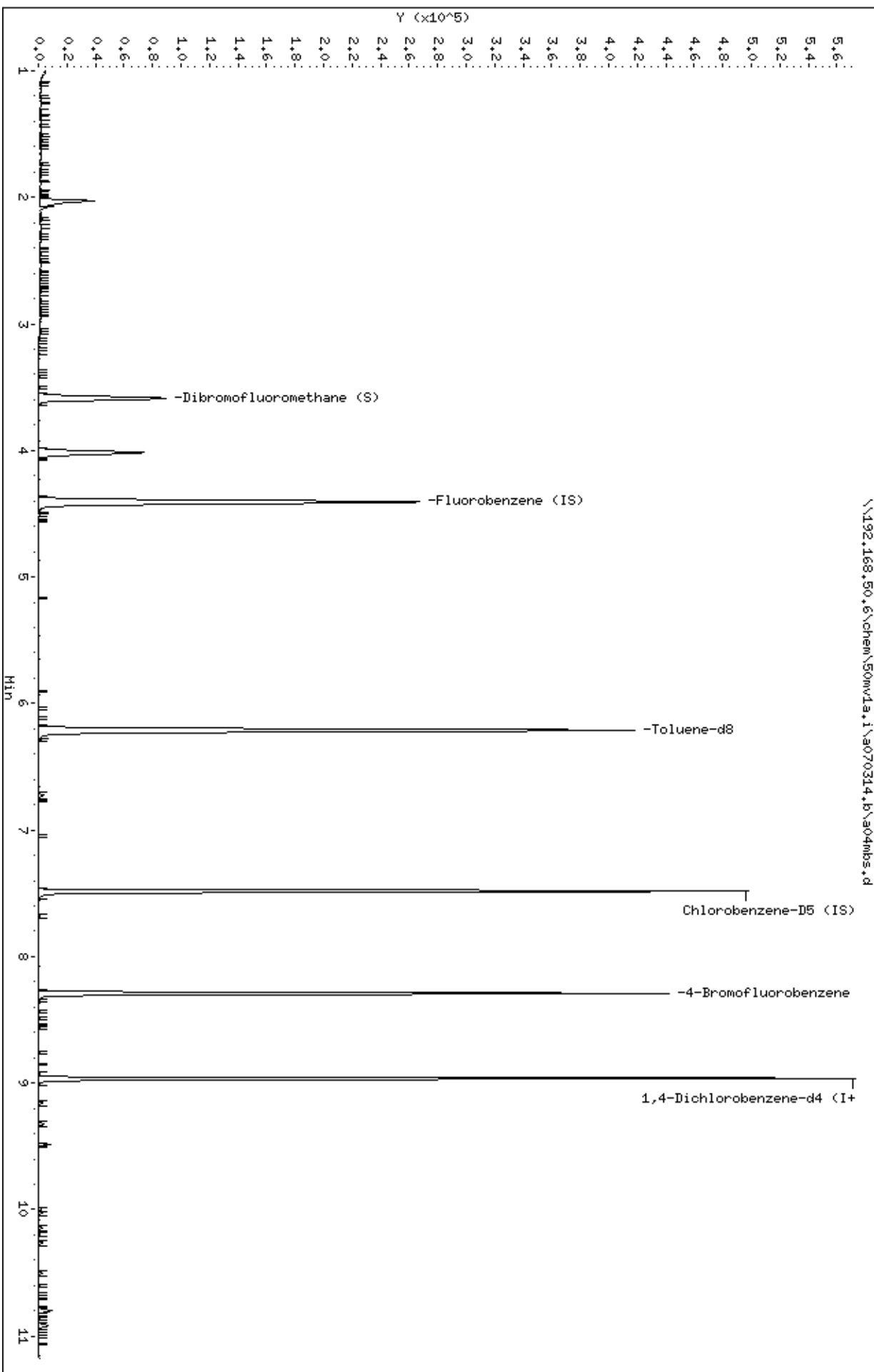
Compounds	QUANT	SIG	CONCENTRATIONS					REVIEW C
			ON-COLUMN	FINAL	RT	EXP RT	REL RT	
\$ 38 Dibromofluoromethane (S)	113		46.2891	46.3	3.585	3.585	(0.813)	57477
* 46 Fluorobenzene (IS)	96		50.0000		4.411	4.406	(1.000)	258010
\$ 57 Toluene-d8	98		49.6908	49.7	6.210	6.210	(0.830)	257439
* 67 Chlorobenzene-D5 (IS)	117		50.0000		7.485	7.485	(1.000)	196483
\$ 76 4-Bromofluorobenzene	95		45.9329	45.9	8.291	8.291	(1.108)	96522
89 1,3-Dichlorobenzene	146		0.14403	0.144(Q)	8.923	8.918	(0.995)	505
* 91 1,4-Dichlorobenzene-d4 (IS)	152		50.0000		8.965	8.965	(1.000)	108165
92 1,4-Dichlorobenzene	146		0.17776	0.178(Q)	8.975	8.975	(1.001)	600
94 1,2-Dichlorobenzene	146		0.15916	0.159(Q)	9.169	9.169	(1.023)	474
99 1,2,3-Trichlorobenzene	180		0.60968	0.610	10.262	10.262	(1.145)	1262
100 2,methyl-naphthalene	142		2.26298	2.26	10.800	10.795	(1.205)	4660
101 1-methylnaphthalene	142		2.68217	2.68	10.925	10.915	(1.219)	4520

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Column phase: DB-624

Operator: grm
Column diameter: 0.18



Date : 03-JUL-2014 13:56

Client ID: MBs

Instrument: 50mv1a.i

Sample Info: MBs

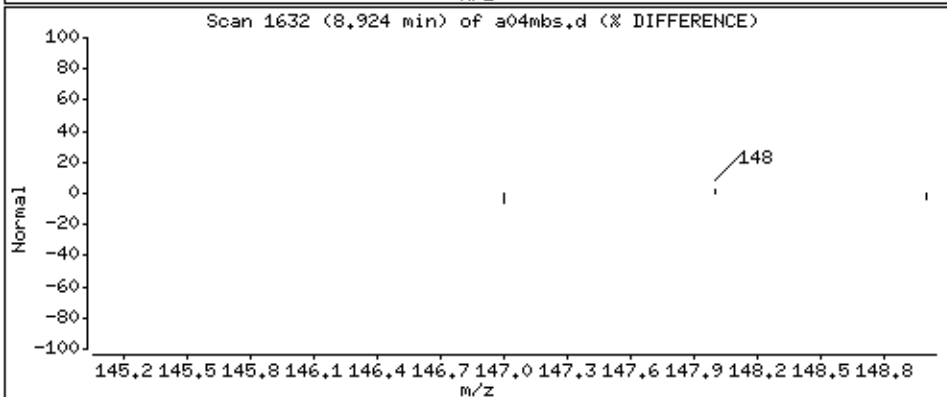
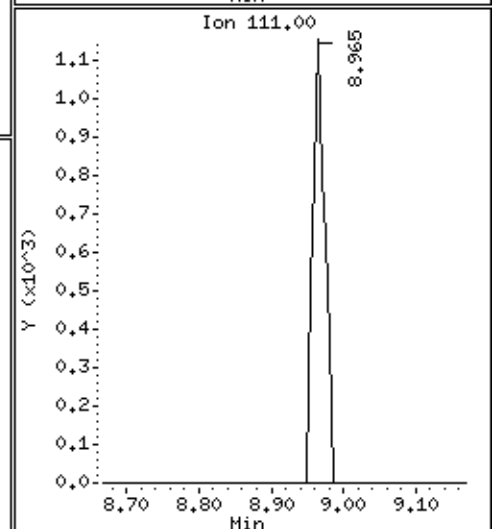
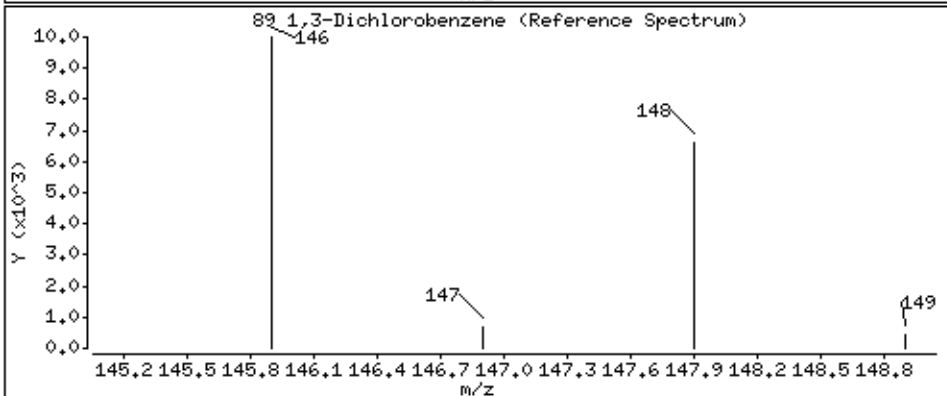
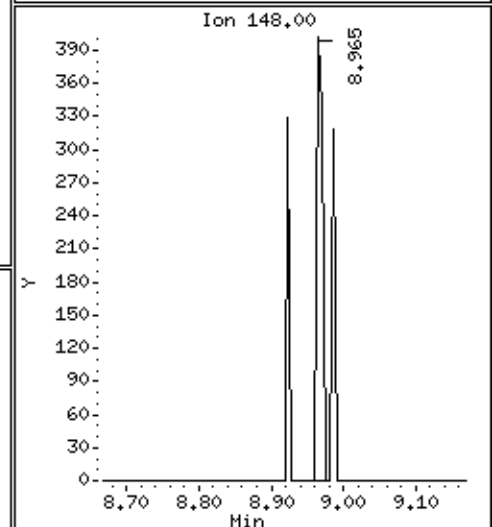
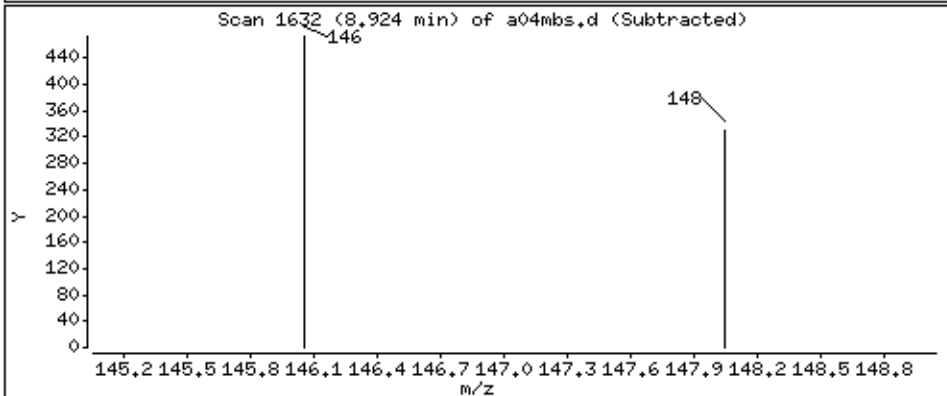
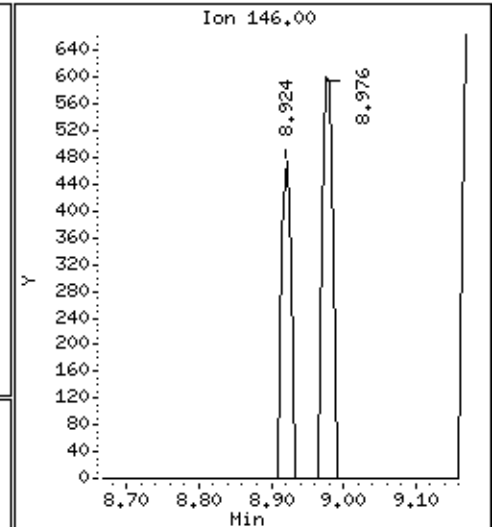
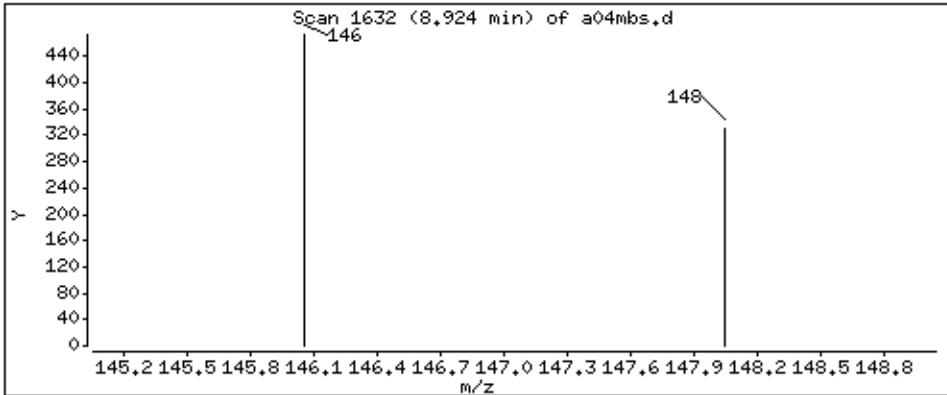
Operator: grm

Column phase: DB-624

Column diameter: 0,18

89 1,3-Dichlorobenzene

Concentration: 0,144 ppb



Date : 03-JUL-2014 13:56

Client ID: MBs

Instrument: 50mv1a.i

Sample Info: MBs

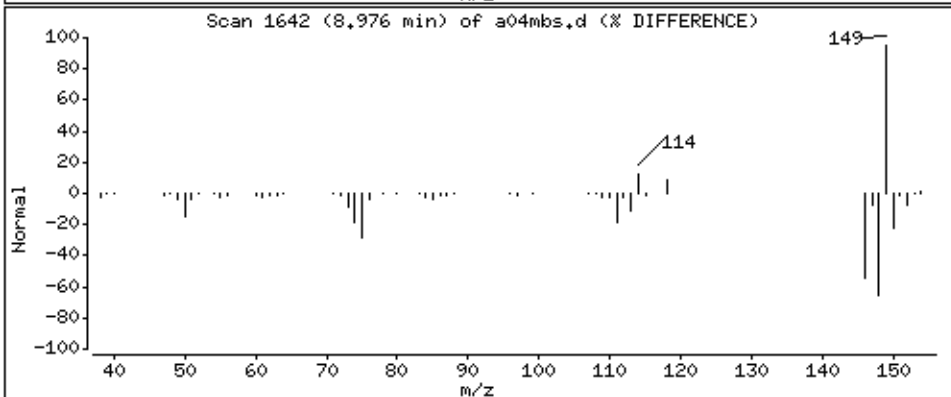
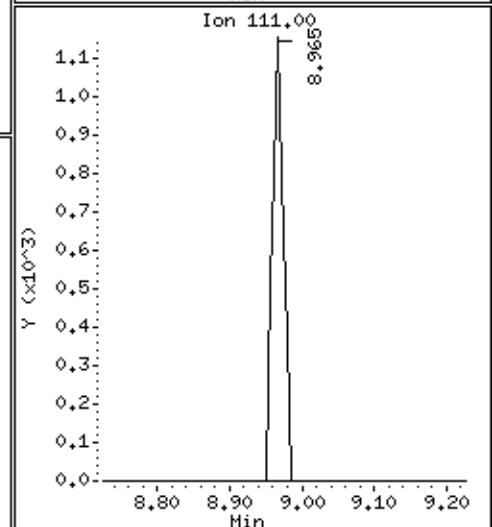
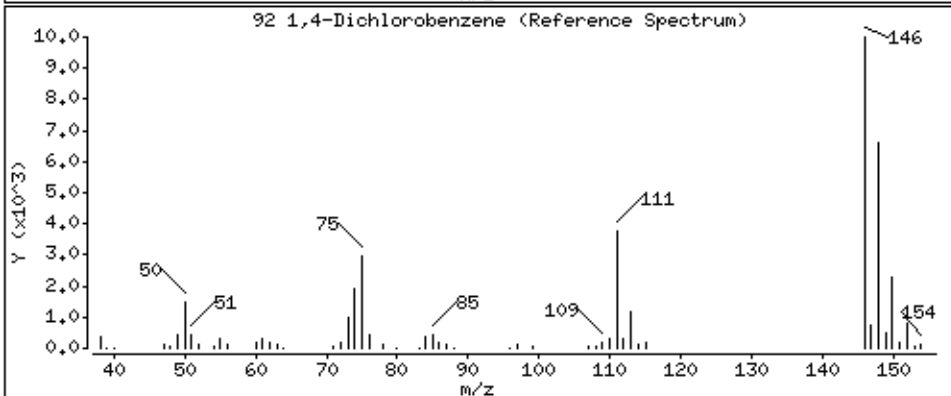
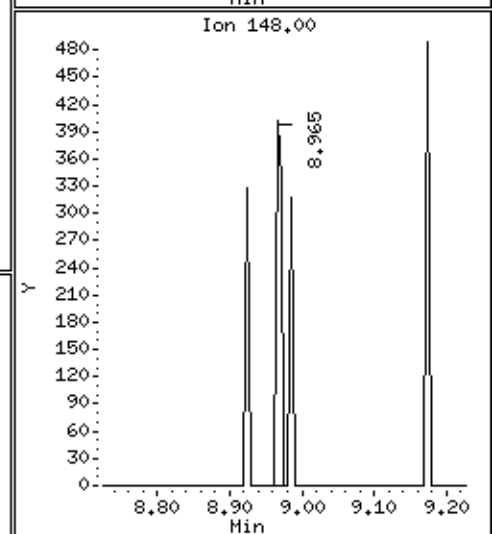
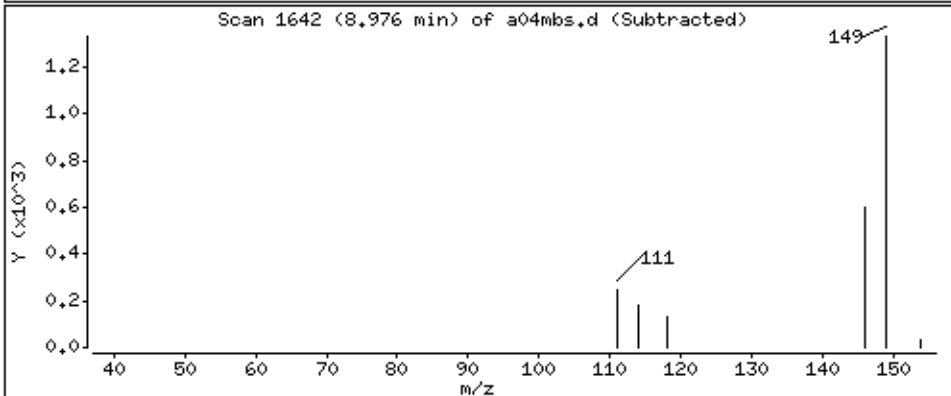
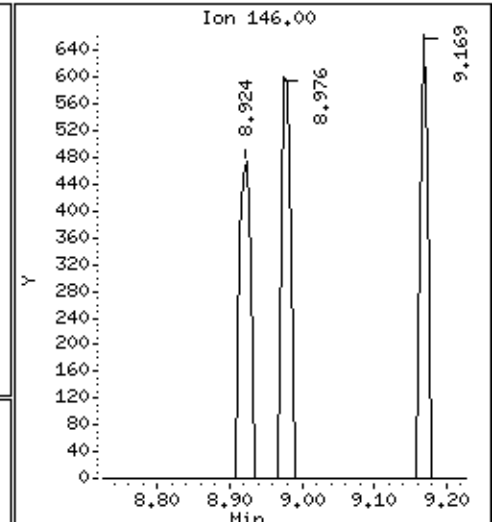
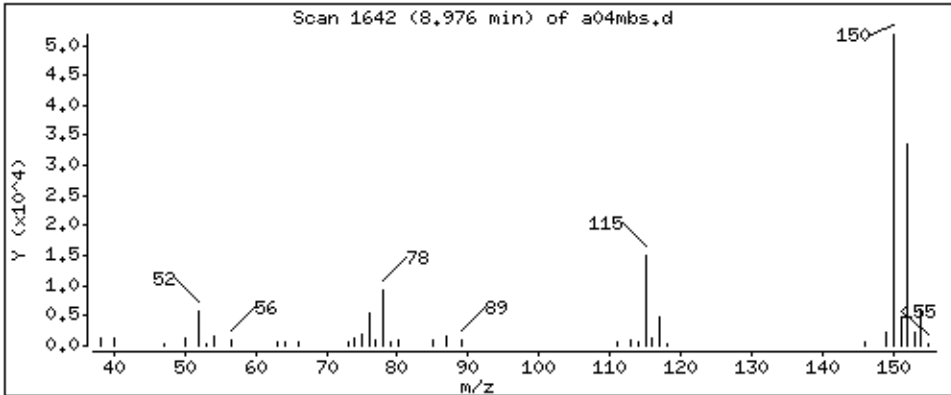
Operator: grm

Column phase: DB-624

Column diameter: 0,18

92 1,4-Dichlorobenzene

Concentration: 0,178 ppb



Date : 03-JUL-2014 13:56

Client ID: MBs

Instrument: 50mv1a.i

Sample Info: MBs

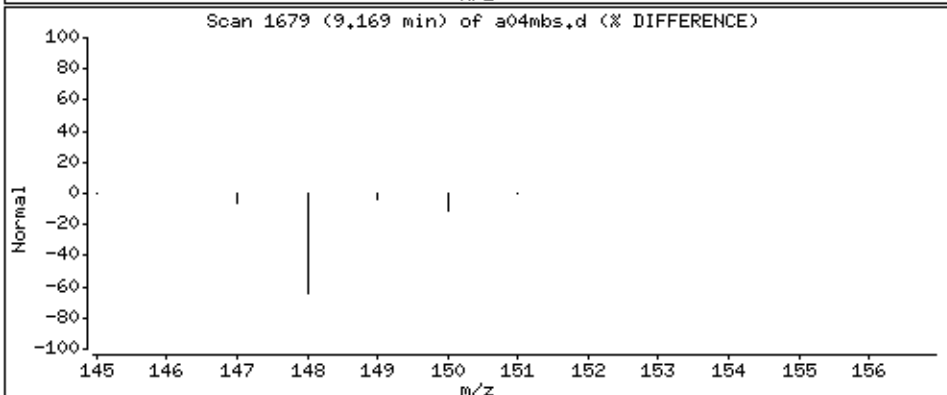
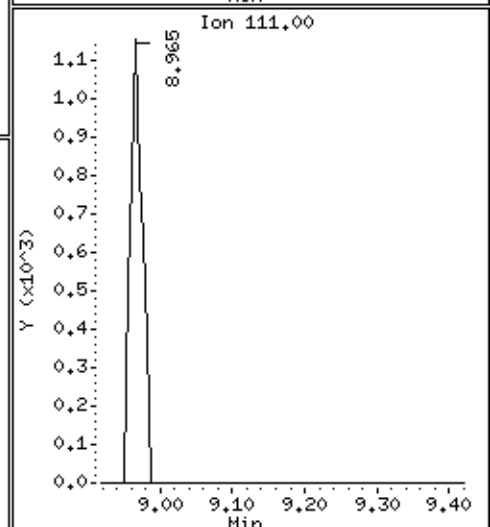
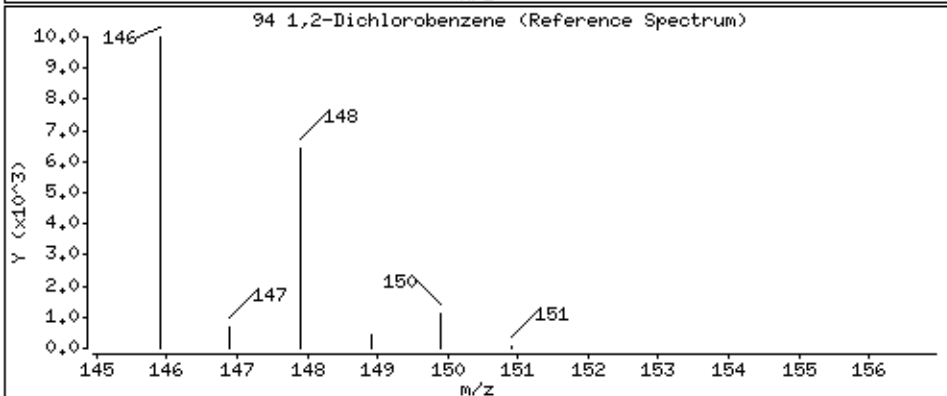
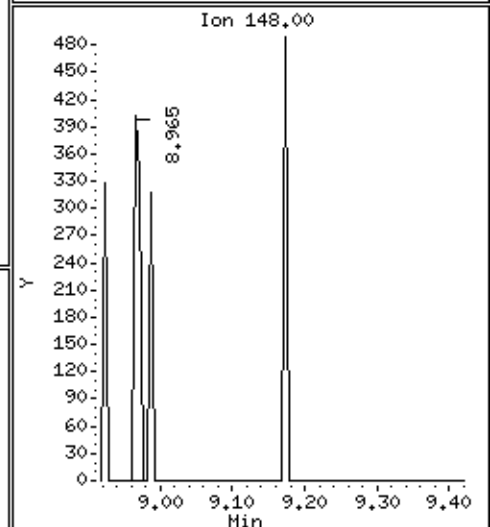
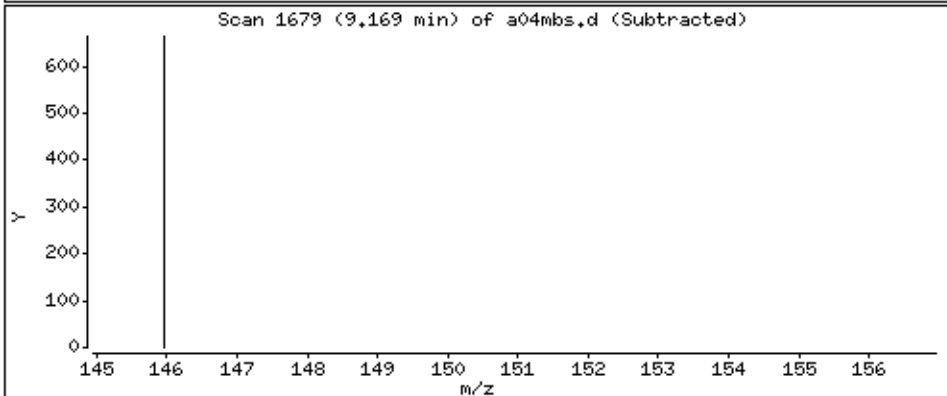
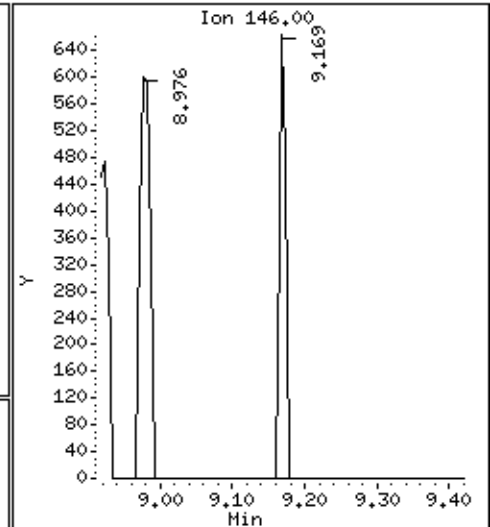
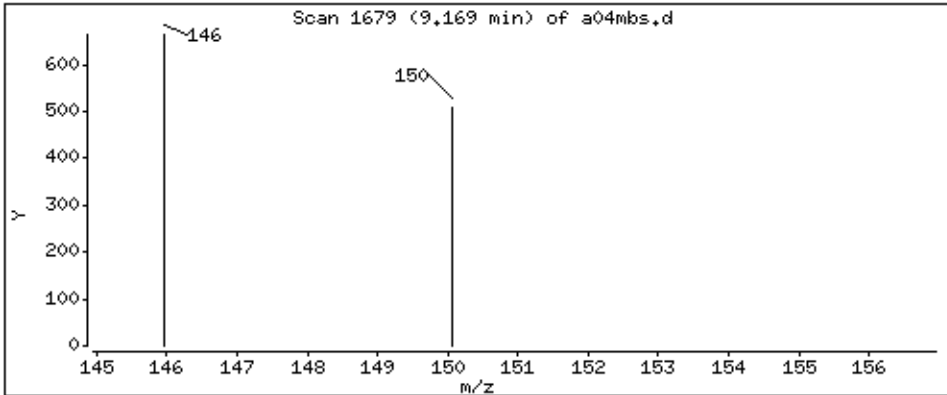
Operator: grm

Column phase: DB-624

Column diameter: 0,18

94 1,2-Dichlorobenzene

Concentration: 0,159 ppb



Date : 03-JUL-2014 13:56

Client ID: MBs

Instrument: 50mv1a.i

Sample Info: MBs

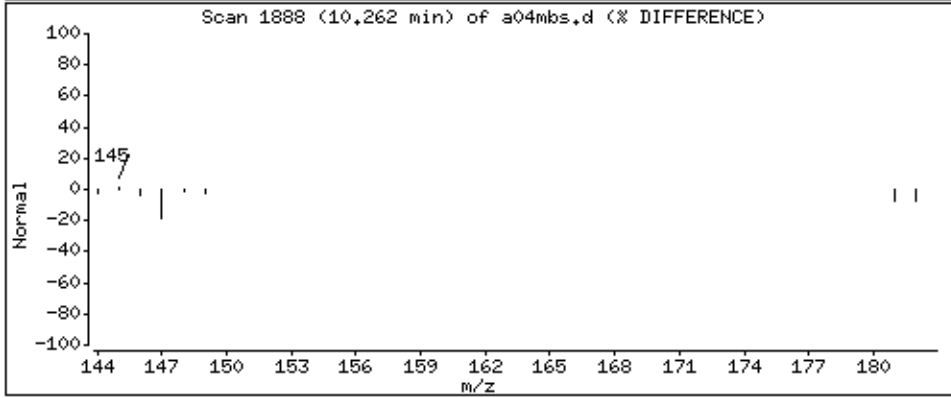
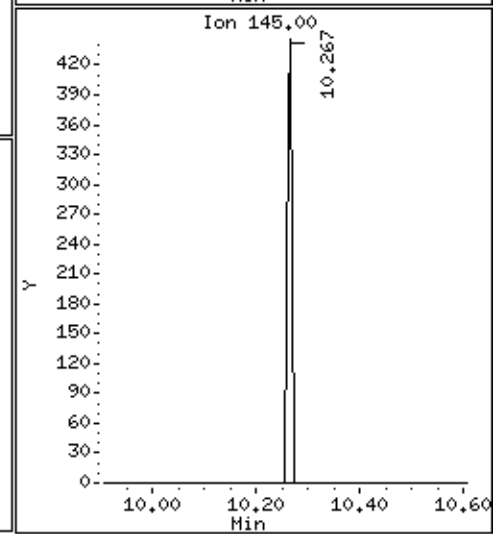
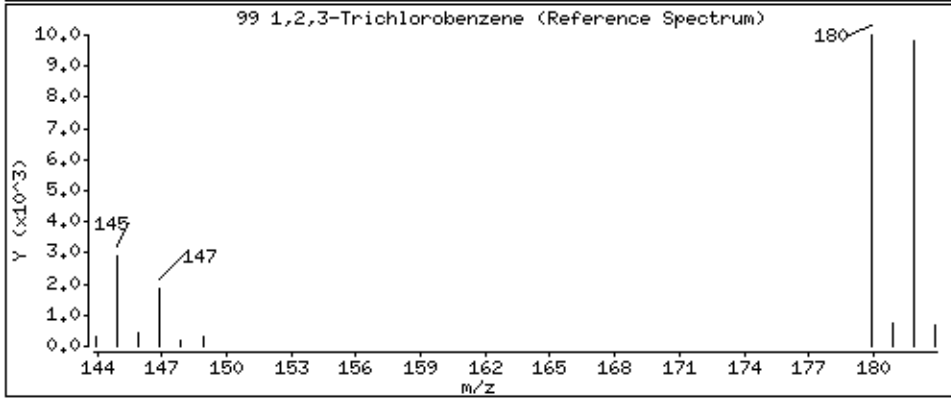
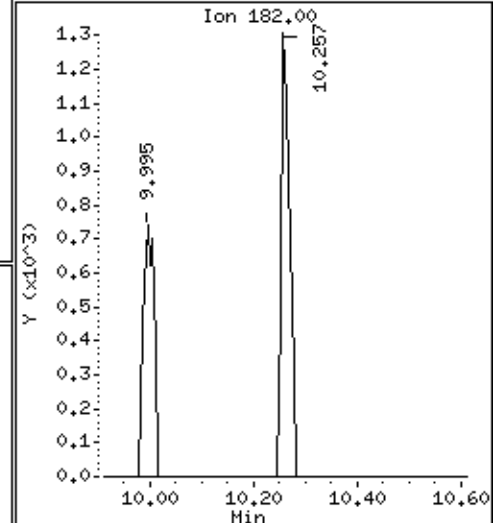
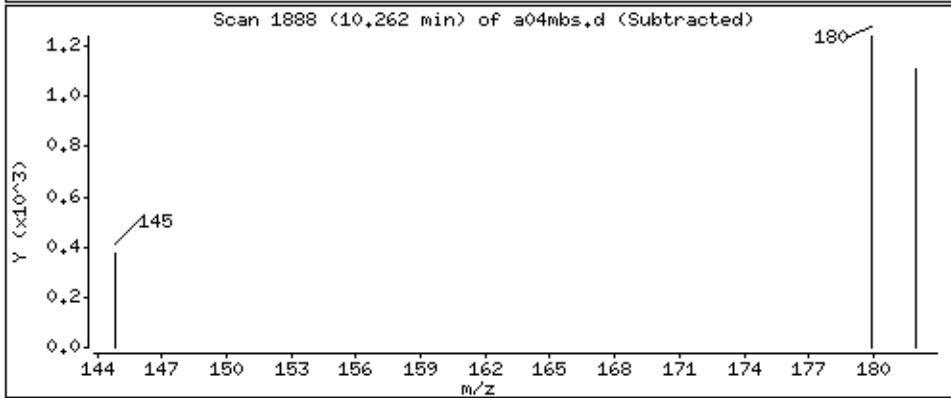
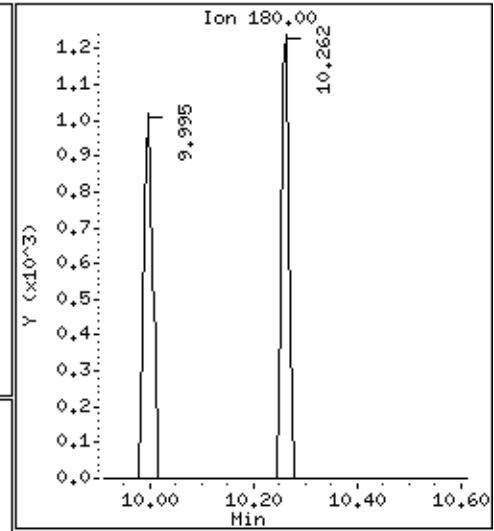
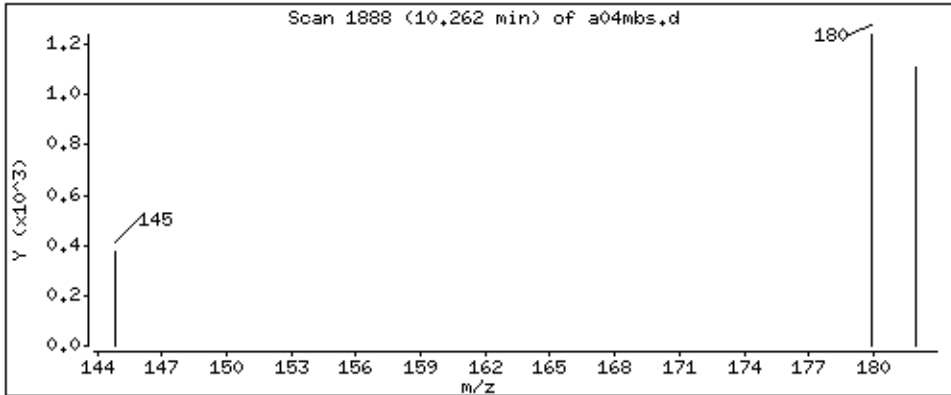
Operator: grm

Column phase: DB-624

Column diameter: 0,18

99 1,2,3-Trichlorobenzene

Concentration: 0,610 ppb



Date : 03-JUL-2014 13:56

Client ID: MBs

Instrument: 50mv1a.i

Sample Info: MBs

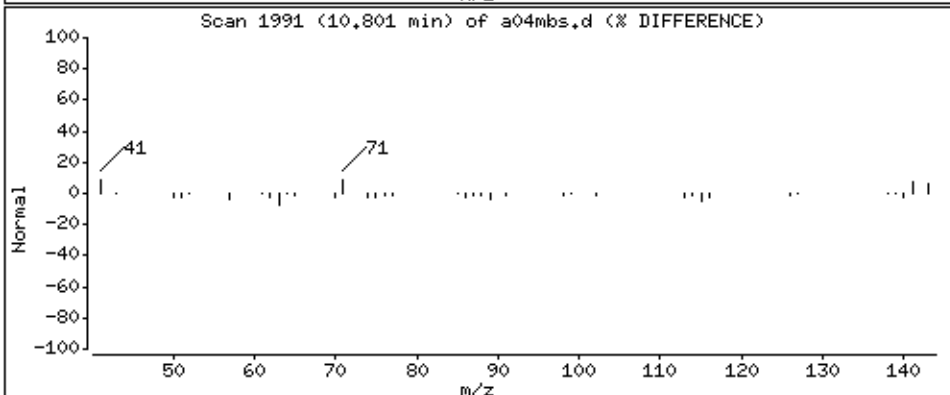
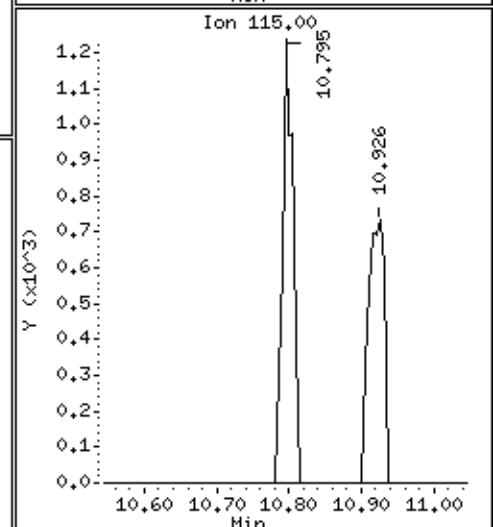
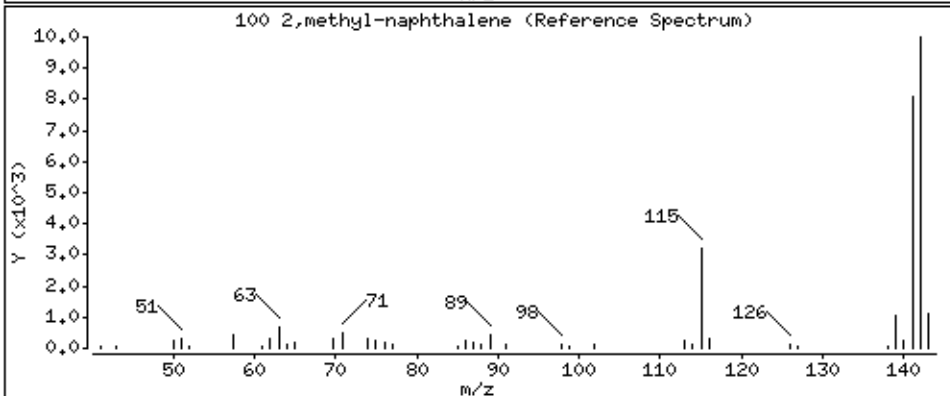
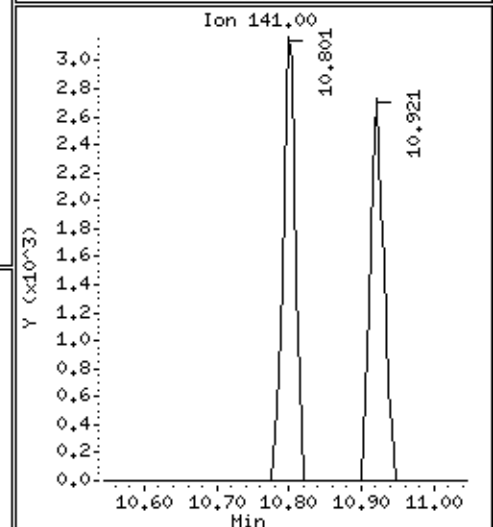
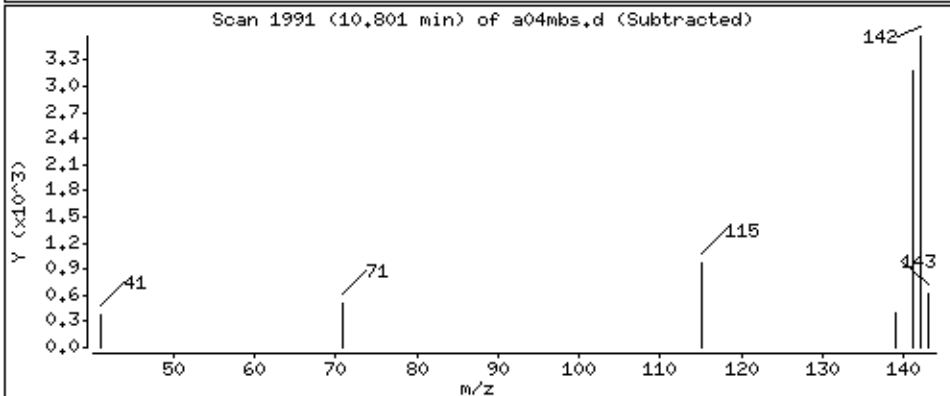
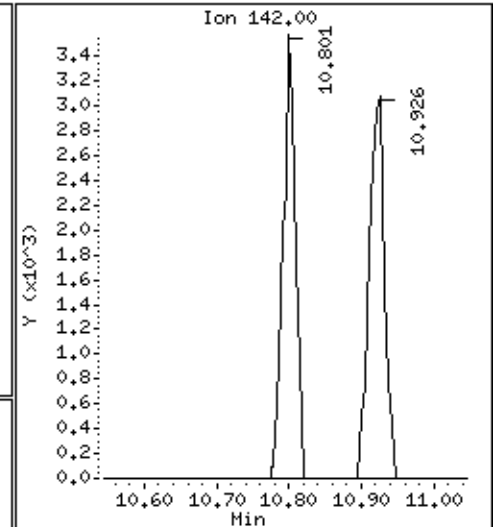
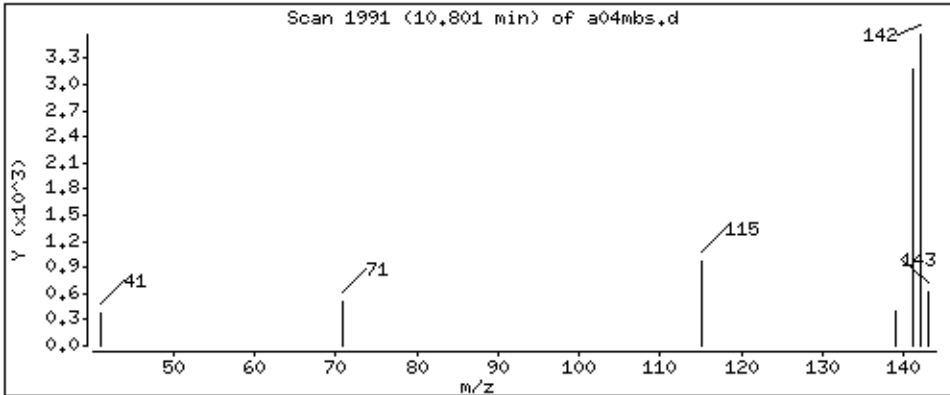
Operator: grm

Column phase: DB-624

Column diameter: 0,18

100 2,methyl-naphthalene

Concentration: 2,26 ppb



Date : 03-JUL-2014 13:56

Client ID: MBs

Instrument: 50mv1a.i

Sample Info: MBs

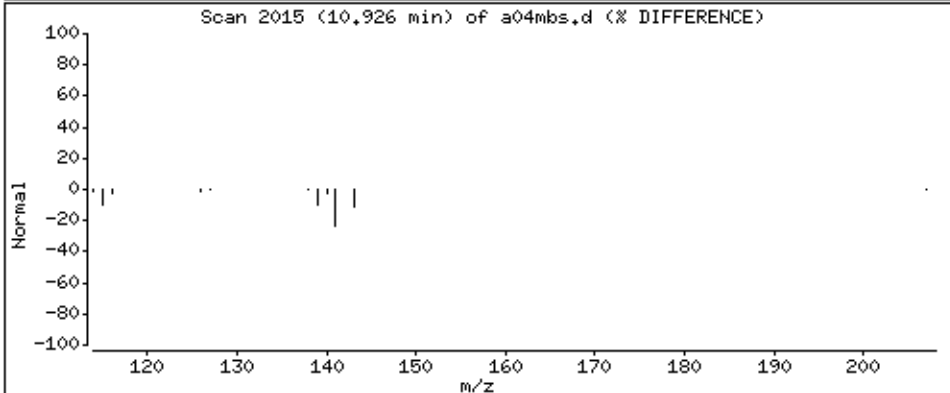
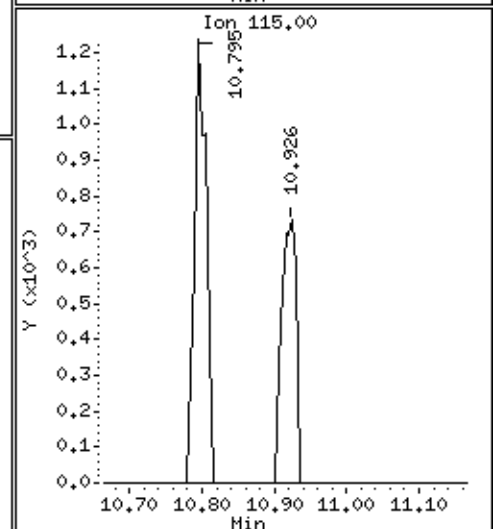
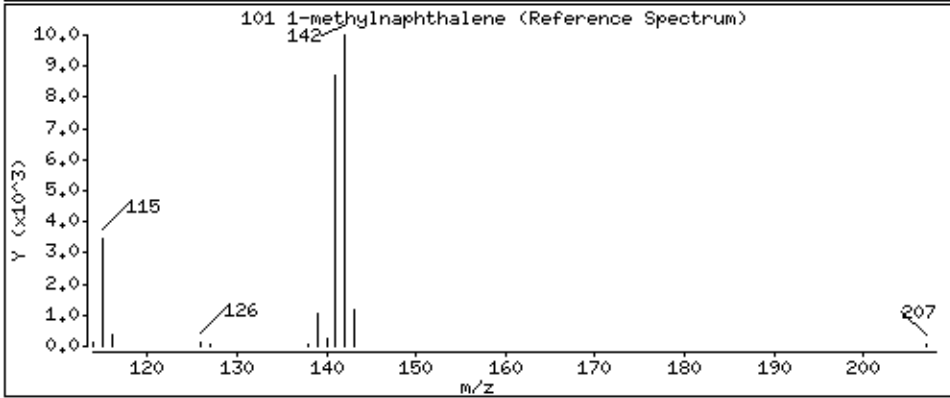
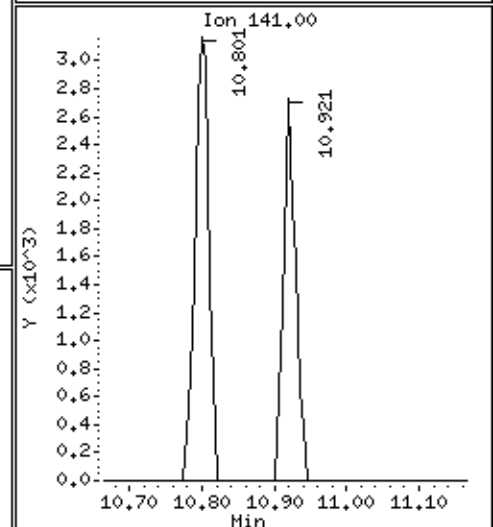
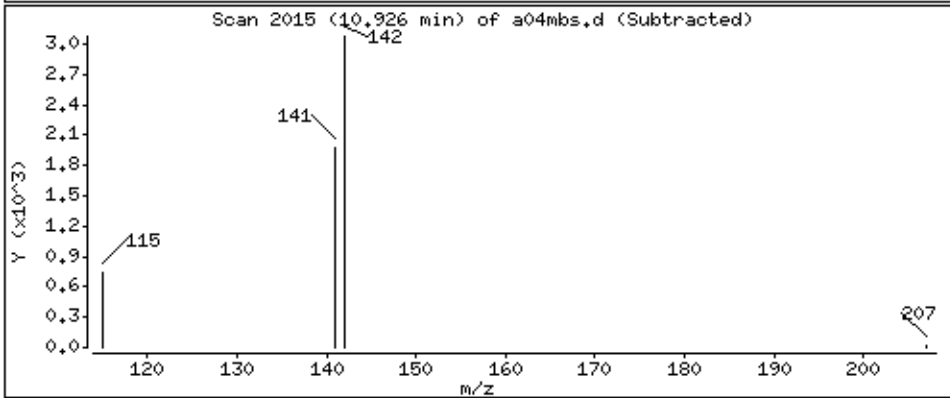
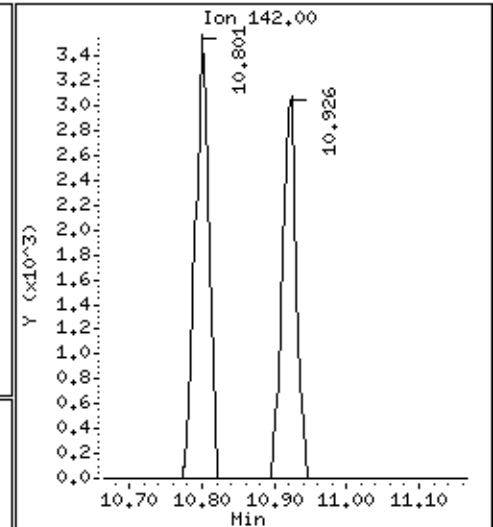
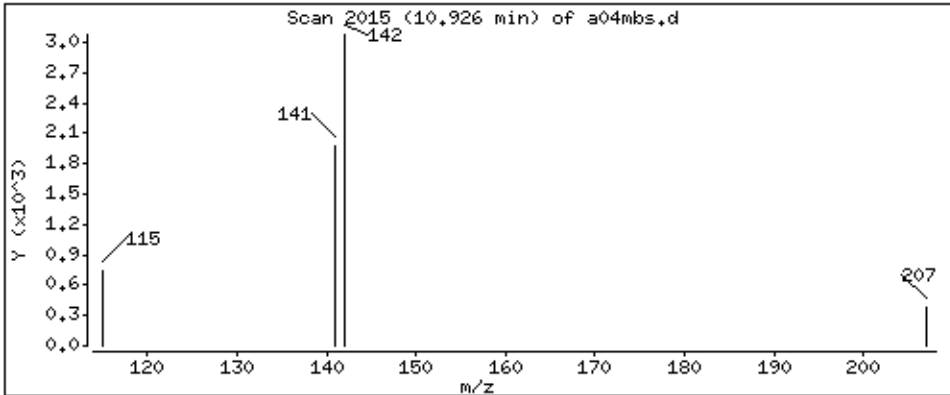
Operator: grm

Column phase: DB-624

Column diameter: 0,18

101 1-methylnaphthalene

Concentration: 2,68 ppb



Data File: \\192.168.50.6\chem\50mv1a.i\a070314.b/a04mbs.d
Injection Date: 03-JUL-2014 13:56
Instrument: 50mv1a.i
Lab Sample ID: 1123500
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

Date Received: _____

Matrix: Solid SDG No.: 5099627

Date Extracted: 07/01/2014 23:21

Lab Sample ID: 1121337

Date Analyzed: 07/01/2014 23:21

Lab File ID: B070114.BD03MB.D

Initial wt/vol: 5 g Final wt/vol: 5 mL Dilution: 1

Instrument: 50MV1B 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

07/17/2014 9:25

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

SAMPLE NO.

BLANK

Lab Name: Pace Analytical - Indiana
Date Received: _____
Date Extracted: 07/01/2014 23:21
Date Analyzed: 07/01/2014 23:21
Initial wt/vol: 5 g Final wt/vol: 5 mL Dilution: 1

Contract: Sibley - Accucast
Matrix: Solid SDG No.: 5099627
Lab Sample ID: 1121337
Lab File ID: B070114.B\D03MB.D
Instrument: 50MV1B 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

07/17/2014 9:25

Pace Analytical Services, Inc.

Data file : \\192.168.50.6\chem\50mv1b.i\b070114.b\d03mb.d
 Lab Smp Id: 1121337 Client Smp ID: MBs
 Inj Date : 01-JUL-2014 23:21
 Operator : grm Inst ID: 50mv1b.i
 Smp Info : mbs
 Misc Info : 66379
 Comment :
 Method : \\192.168.50.6\chem\50mv1b.i\b070114.b\b8260_a_c.m
 Meth Date : 02-Jul-2014 13:18 50mv1b.i Quant Type: ISTD
 Cal Date : 19-JUN-2014 18:01 Cal File: b08cal.d
 Als bottle: 50 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 (ppb)	FINAL (ppb)	
\$ 38 Dibromofluoromethane (S)	113		3.582	3.588	(0.813)	58960	50.4984	50.5	
* 46 Fluorobenzene (IS)	96		4.408	4.408	(1.000)	245076	50.0000		
\$ 57 Toluene-d8	98		6.212	6.212	(0.830)	242643	49.2544	49.2	
* 67 Chlorobenzene-D5 (IS)	117		7.482	7.488	(1.000)	187436	50.0000		
\$ 76 4-Bromofluorobenzene	95		8.293	8.293	(1.108)	95200	47.7295	47.7	
* 91 1,4-Dichlorobenzene-d4 (IS)	152		8.967	8.967	(1.000)	106537	50.0000		
92 1,4-Dichlorobenzene	146		8.977	8.978	(1.001)	214	0.06645	0.0664(Q)	
100 2,methyl-naphthalene	142		10.797	10.797	(1.204)	1686	1.53713	1.54	

QC Flag Legend

Q - Qualifier signal failed the ratio test.

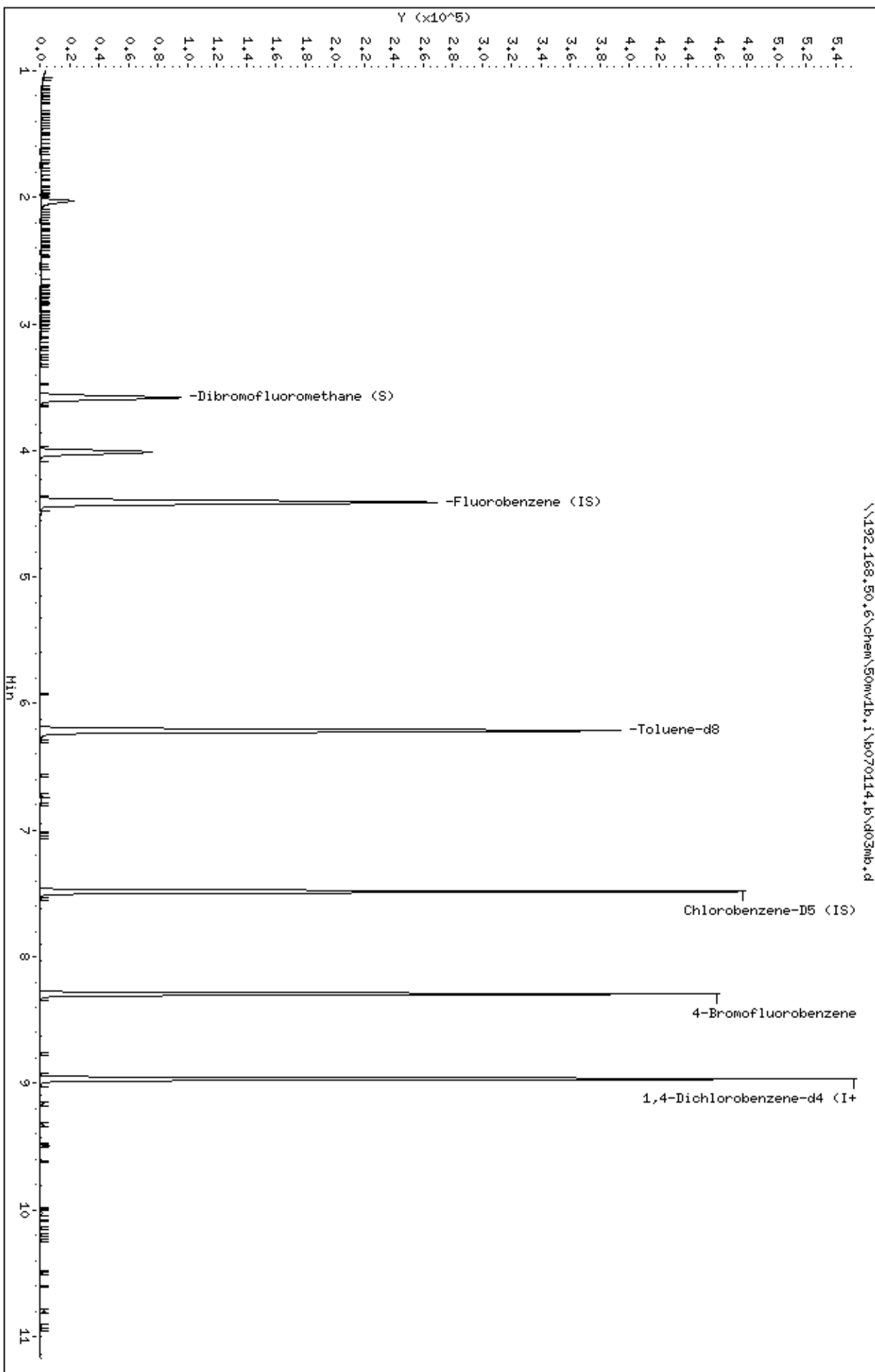
Review Codes Legend

:

Column phase: DB-624

Operator: grm
Column diameter: 0.18

\\192.168.50.6\chem\50w\1b.i\b070114.b\403mb.d



Date : 01-JUL-2014 23:21

Client ID: MBs

Instrument: 50mv1b.i

Sample Info: MBs

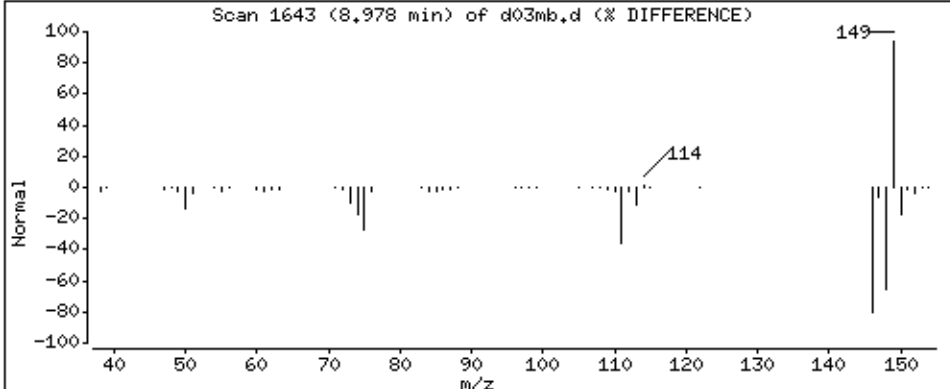
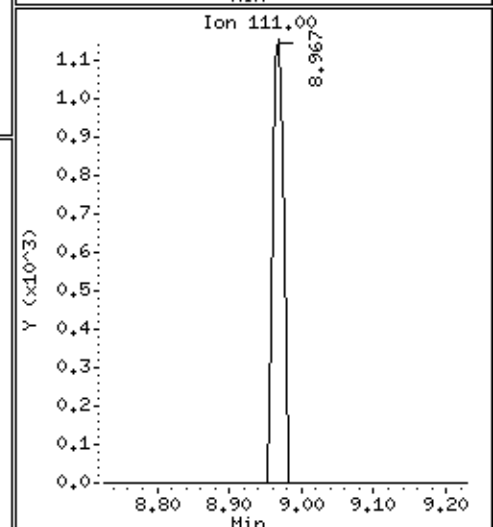
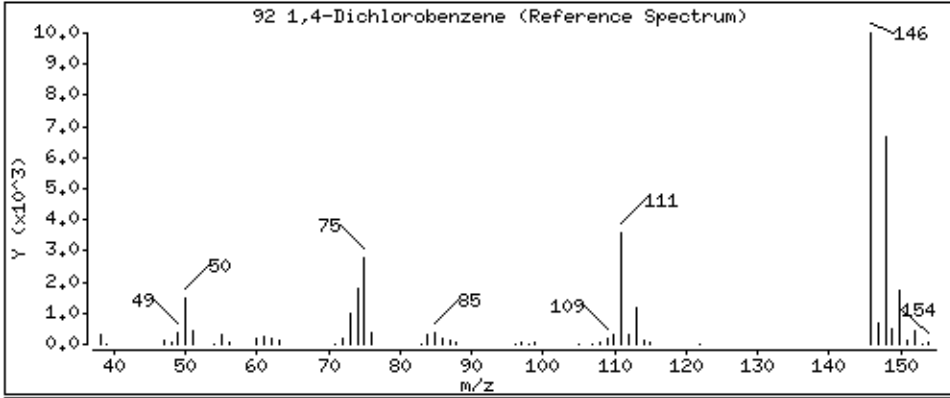
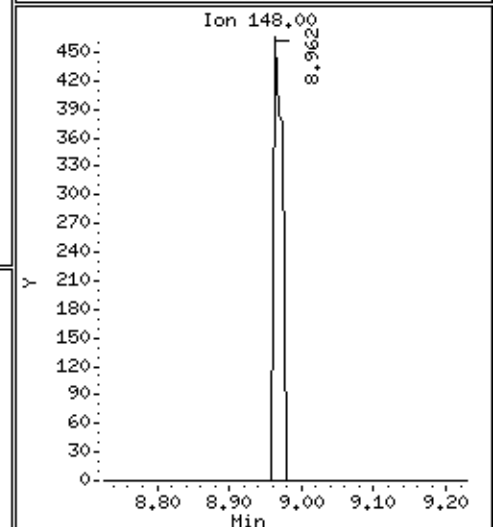
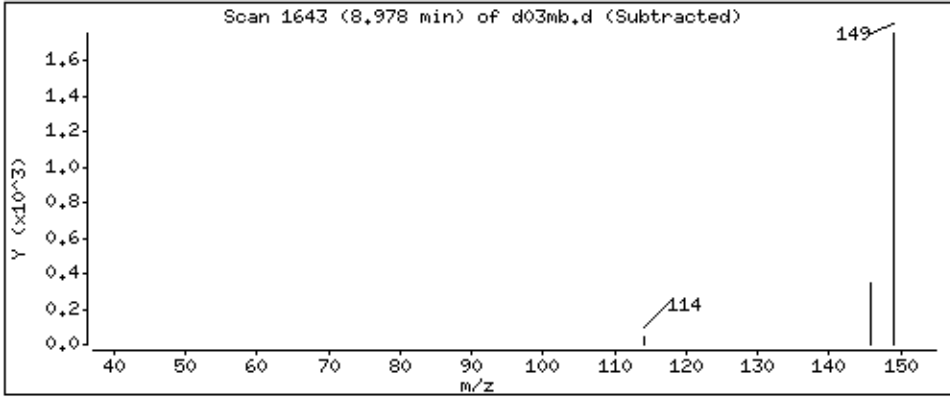
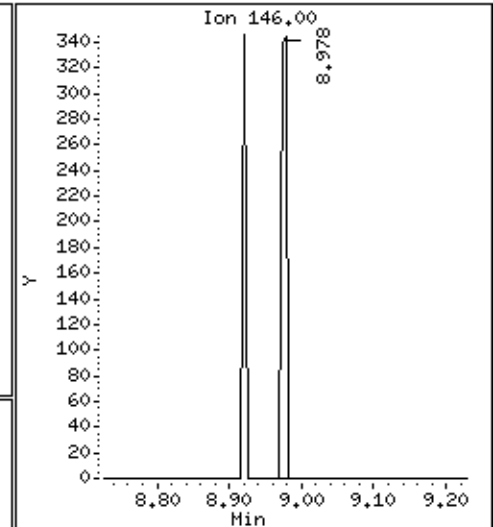
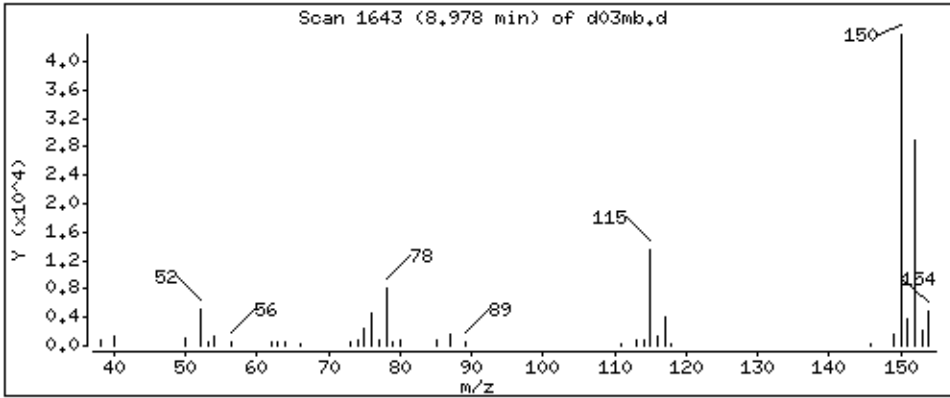
Operator: grm

Column phase: DB-624

Column diameter: 0,18

92 1,4-Dichlorobenzene

Concentration: 0,0664 ppb



Date : 01-JUL-2014 23:21

Client ID: MBs

Instrument: 50mv1b.i

Sample Info: MBs

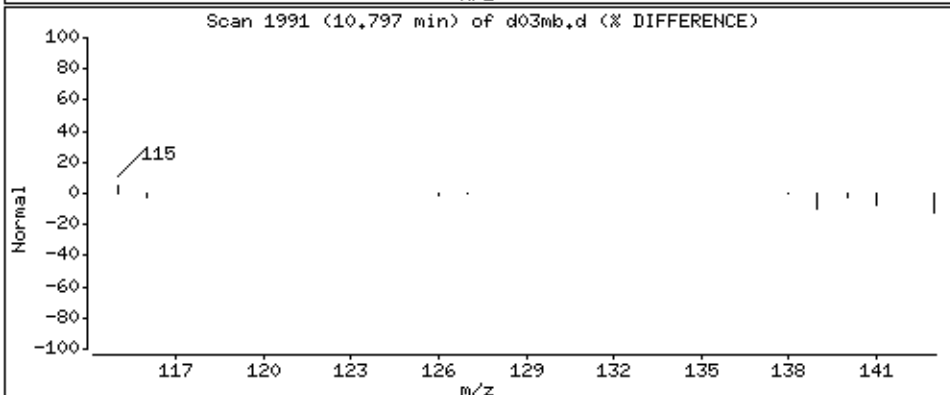
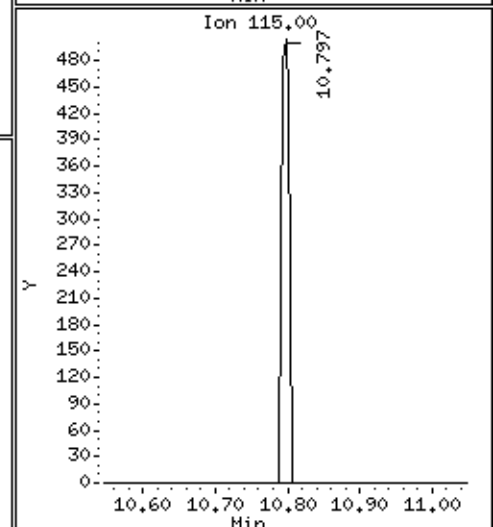
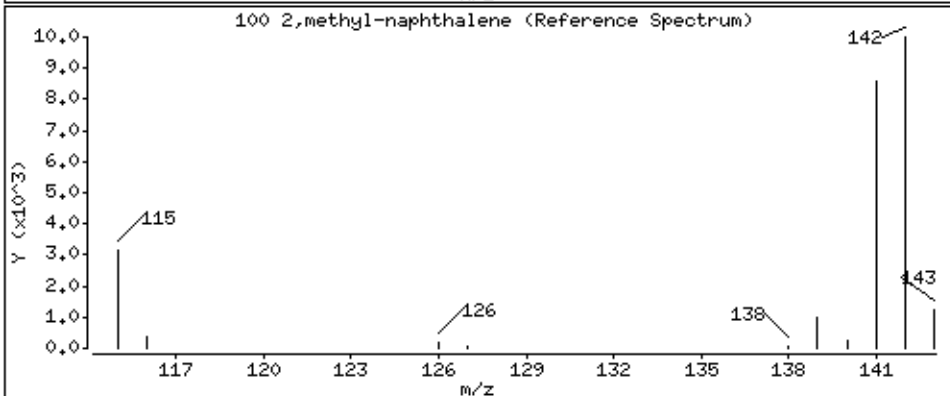
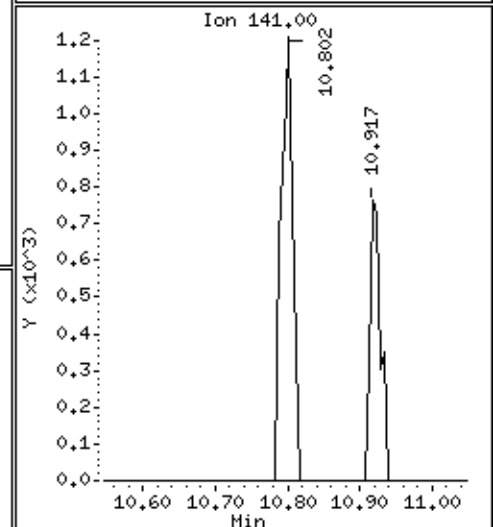
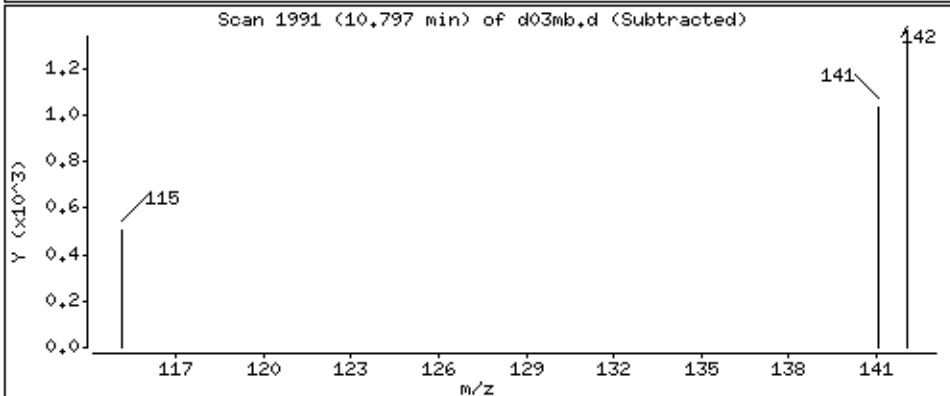
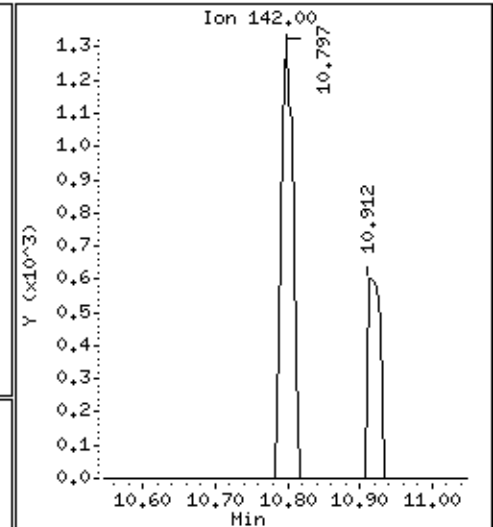
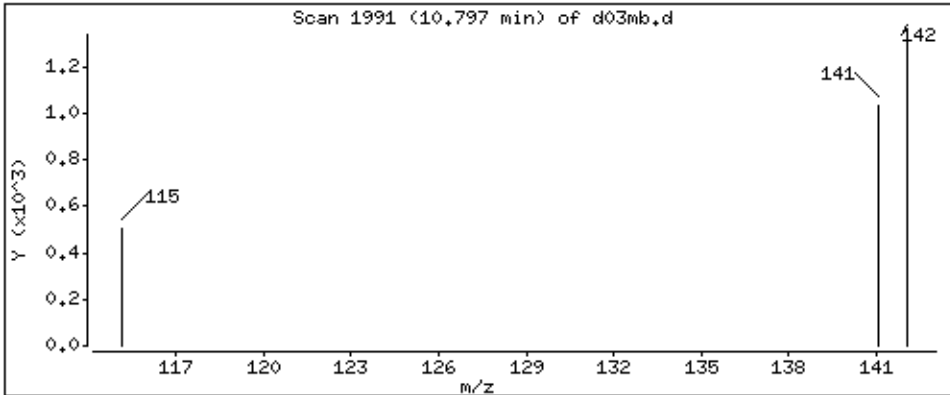
Operator: grm

Column phase: DB-624

Column diameter: 0,18

100 2,methyl-naphthalene

Concentration: 1,54 ppb



Data File: \\192.168.50.6\chem\50mv1b.i\b070114.b/d03mb.d
Injection Date: 01-JUL-2014 23:21
Instrument: 50mv1b.i
Lab Sample ID: 1121337
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

Contract: Sibley - Accucast

Date Received: _____

Matrix: Solid SDG No.: 5099627

Date Extracted: 07/02/2014 11:52

Lab Sample ID: 1122142

Date Analyzed: 07/02/2014 11:52

Lab File ID: A070214.BVA02LCSS.D

Initial wt/vol: 5 g Final wt/vol: 5 mL Dilution: 1

Instrument: 50MV1A Percent Moisture: _____

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
71-43-2	Benzene	43.2	
108-90-7	Chlorobenzene	42.1	
67-66-3	Chloroform	37.7	
75-35-4	1,1-Dichloroethene	37.8	
78-87-5	1,2-Dichloropropane	41.0	
100-41-4	Ethylbenzene	41.9	
98-82-8	Isopropylbenzene (Cumene)	43.2	
1634-04-4	Methyl-tert-butyl ether	73.0	
91-20-3	Naphthalene	49.4	
79-34-5	1,1,2,2-Tetrachloroethane	46.0	
127-18-4	Tetrachloroethene	40.1	
108-88-3	Toluene	41.5	
71-55-6	1,1,1-Trichloroethane	36.7	
79-01-6	Trichloroethene	41.1	
95-63-6	1,2,4-Trimethylbenzene	46.5	
75-01-4	Vinyl chloride	42.3	
1330-20-7	Xylene (Total)	131	

07/17/2014 9:25

Pace Analytical Services, Inc.

Data file : \\192.168.50.6\chem\50mv1a.i\070214.b\021css.d
 Lab Smp Id: 1122142,71089:5 Client Smp ID: LCSs,71089:5
 Inj Date : 02-JUL-2014 11:52
 Operator : grm Inst ID: 50mv1a.i
 Smp Info : 1122142,71089:5
 Misc Info : 66420
 Comment :
 Method : \\192.168.50.6\chem\50mv1a.i\070214.b\08260_a_c.m
 Meth Date : 03-Jul-2014 13:53 50mv1a.i Quant Type: ISTD
 Cal Date : 19-JUN-2014 17:44 Cal File: a08cal.d
 Als bottle: 5 QC Sample: LCS
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: 8260ss.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

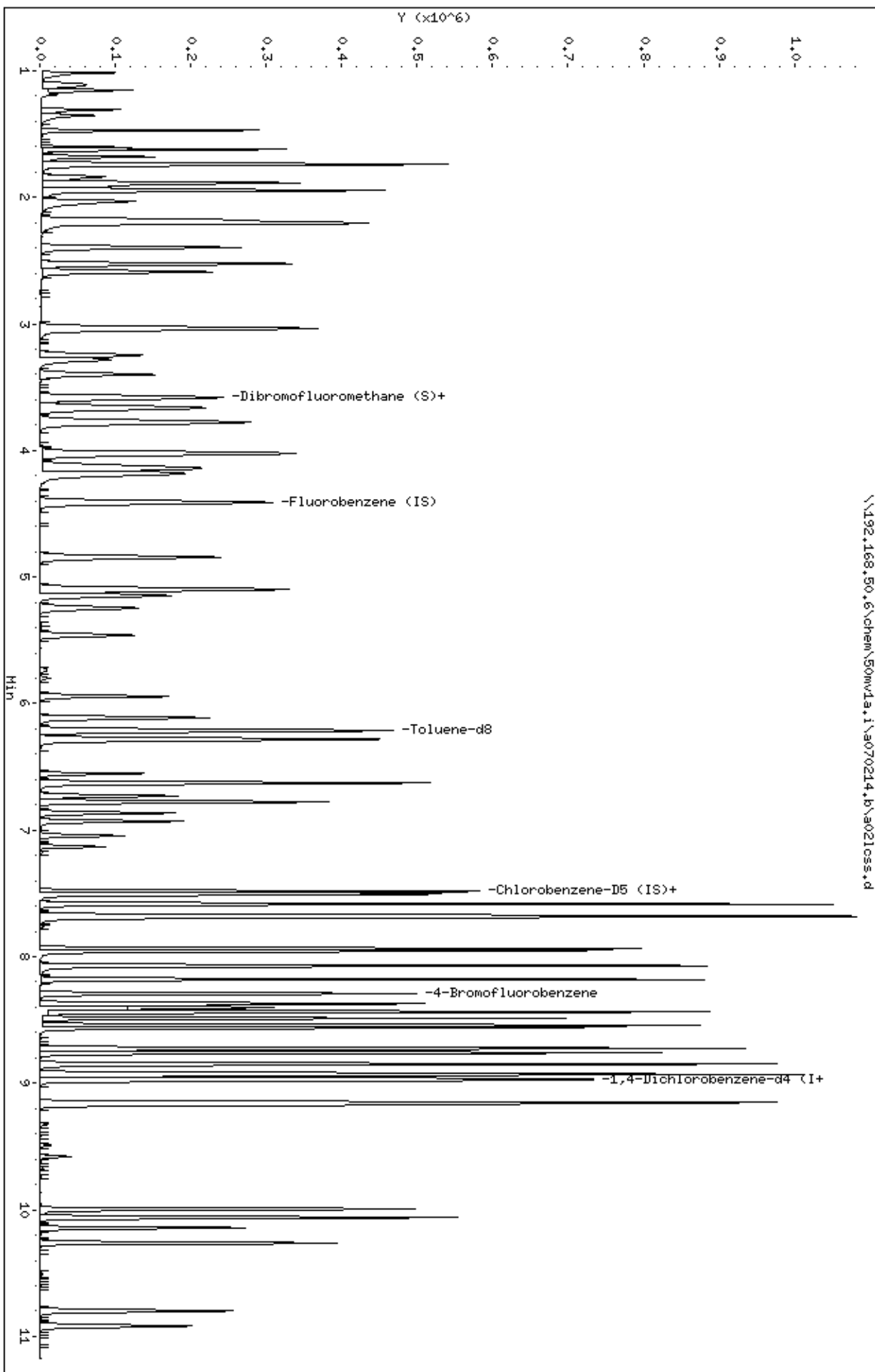
Compounds	QUANT	SIG	CONCENTRATIONS					REVIEW C	
			ON-COLUMN	FINAL	MASS	RT	EXP RT		REL RT
3 Vinyl Chloride	62		42.3027	42.3		1.152	1.149	(0.261)	87276
11 1,1-Dichloroethene	96		37.8015	37.8		1.737	1.740	(0.394)	62326
21 Methyl-tert-butyl ether	73		73.0453	73.0		2.197	2.194	(0.498)	210553
35 Chloroform	83		37.6640	37.7		3.400	3.397	(0.771)	126160
37 1,1,1-Trichloroethane	97		36.7010	36.7		3.583	3.580	(0.813)	104966
\$ 38 Dibromofluoromethane (S)	113		47.3643	47.4		3.583	3.585	(0.813)	68172
42 Benzene	78		43.2122	43.2		4.027	4.024	(0.913)	289342
* 46 Fluorobenzene (IS)	96		50.0000			4.409	4.406	(1.000)	299072
47 Trichloroethene	95		41.0898	41.1		4.843	4.840	(1.098)	81629
49 1,2-Dichloropropane	63		40.9655	41.0		5.146	5.148	(1.167)	59215
\$ 57 Toluene-d8	98		49.0218	49.0		6.213	6.210	(0.830)	294801
58 Toluene	91		41.5186	41.5		6.286	6.283	(0.840)	315564
62 Tetrachloroethene	166		40.0975	40.1		6.777	6.774	(0.906)	93115
* 67 Chlorobenzene-D5 (IS)	117		50.0000			7.483	7.485	(1.000)	228069
68 Chlorobenzene	112		42.0954	42.1		7.504	7.506	(1.003)	198967
70 Ethylbenzene	106		41.9153	41.9		7.582	7.584	(1.013)	112123
71 m&p-Xylene	106		85.0576	85.0		7.682	7.679	(1.027)	279790
72 o-Xylene	106		46.0903	46.1		7.938	7.935	(1.061)	140547
75 Isopropylbenzene	105		43.1889	43.2		8.178	8.175	(1.093)	396032
\$ 76 4-Bromofluorobenzene	95		45.9216	45.9		8.288	8.290	(1.108)	112011
78 1,1,2,2-Tetrachloroethane	83		45.9825	46.0		8.377	8.379	(0.935)	49475

Compounds	QUANT SIG	CONCENTRATIONS						REVIEW C
		MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ppb)	
=====	=====	=====	=====	=====	=====	=====	=====	=====
87 1,2,4-Trimethylbenzene	105	8.759	8.756	(0.977)	323172	46.4654	46.5	
* 91 1,4-Dichlorobenzene-d4 (IS)	152	8.962	8.965	(1.000)	116369	50.0000		
98 Naphthalene	128	10.144	10.141	(1.132)	166376	49.4217	49.4	

Data File: \\192.168.50.6\chem\50w\1a.1\9070214.b\9021oss.d
Date: 02-JUL-2014 11:52
Client ID: LCSS,71089;5
Sample Info: 1122142,71089;5
Column phase: DB-624

Instrument: 50w\1a.1
Operator: grm
Column diameter: 0.18

\\192.168.50.6\chem\50w\1a.1\9070214.b\9021oss.d



Date : 02-JUL-2014 11:52

Client ID: LCSs,71089;5

Instrument: 50mv1a.i

Sample Info: 1122142,71089;5

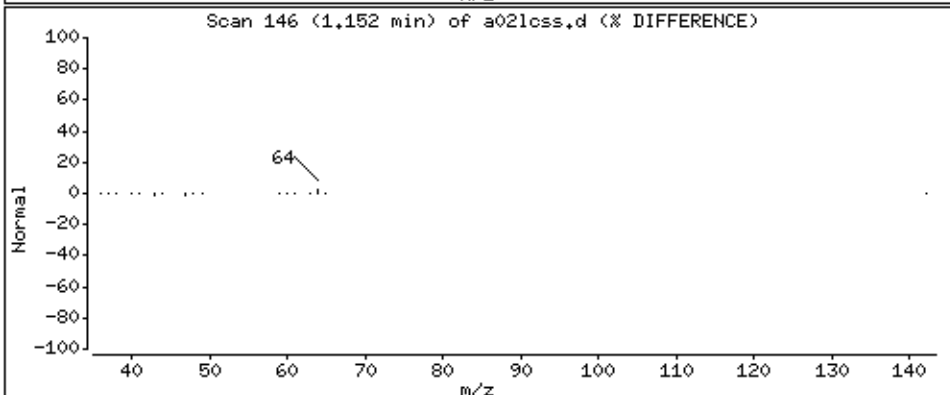
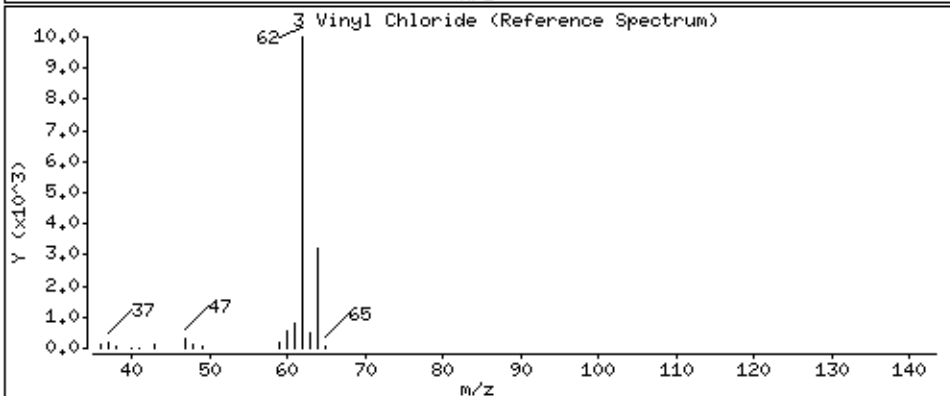
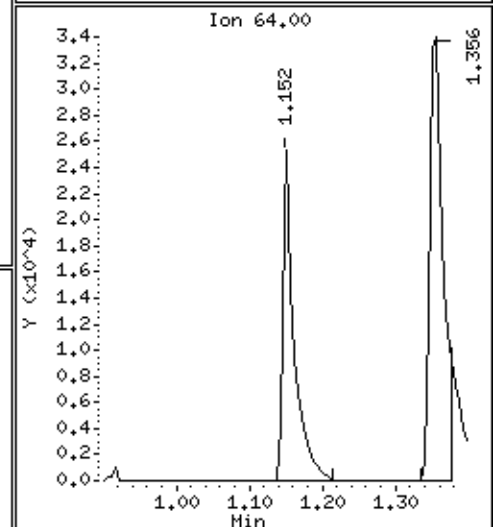
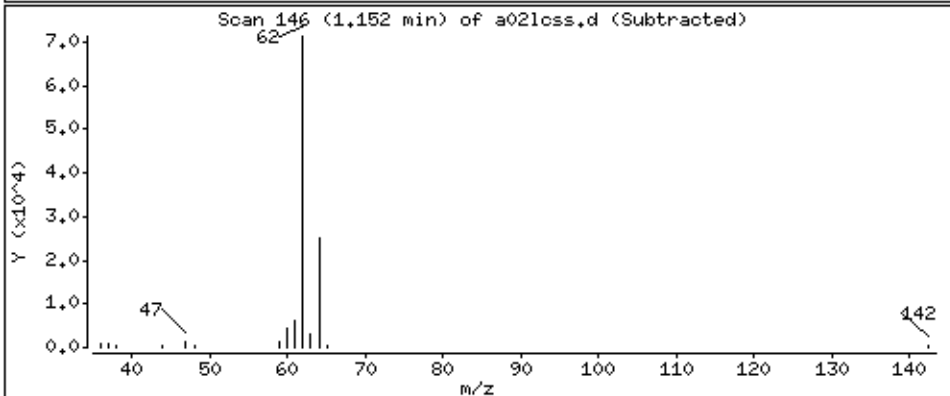
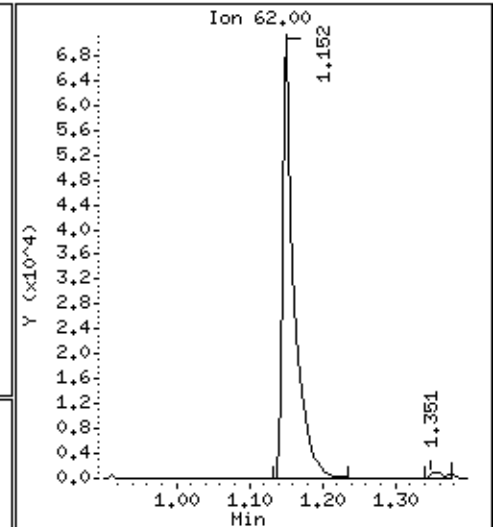
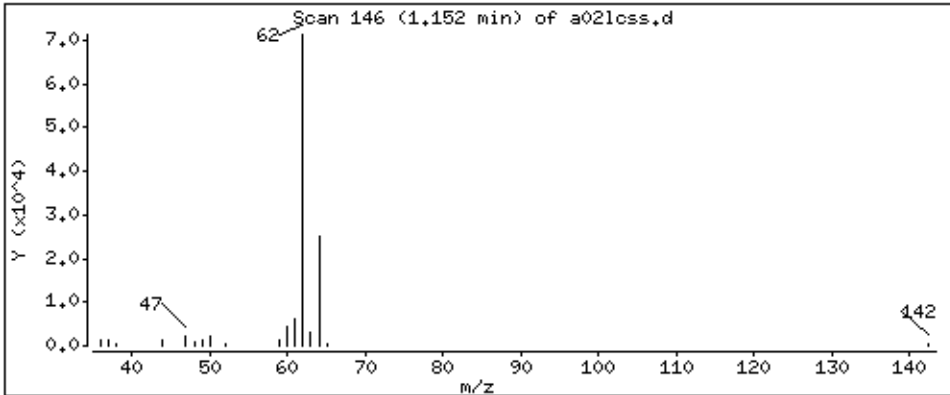
Operator: grm

Column phase: DB-624

Column diameter: 0,18

3 Vinyl Chloride

Concentration: 42.3 ppb



Date : 02-JUL-2014 11:52

Client ID: LCSs,71089;5

Instrument: 50mv1a.i

Sample Info: 1122142,71089;5

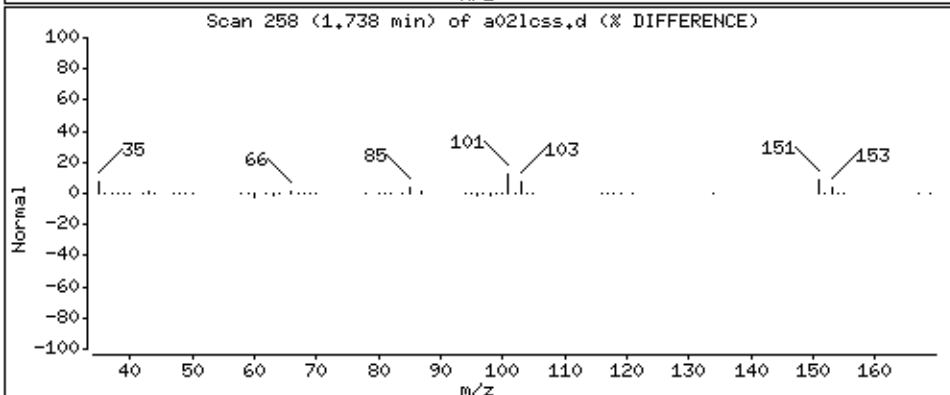
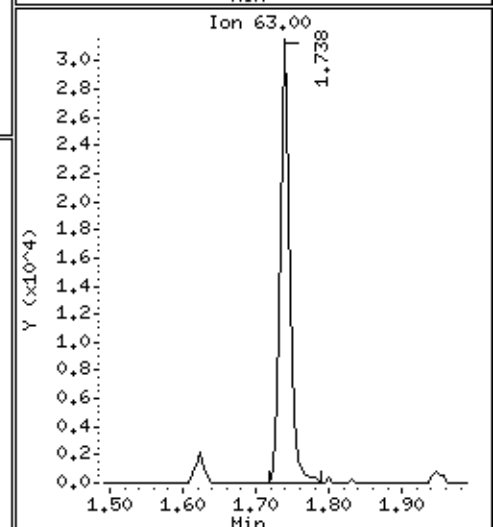
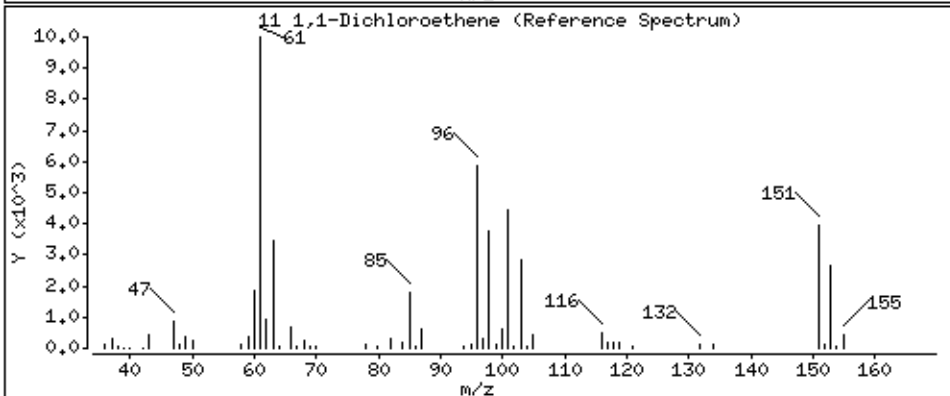
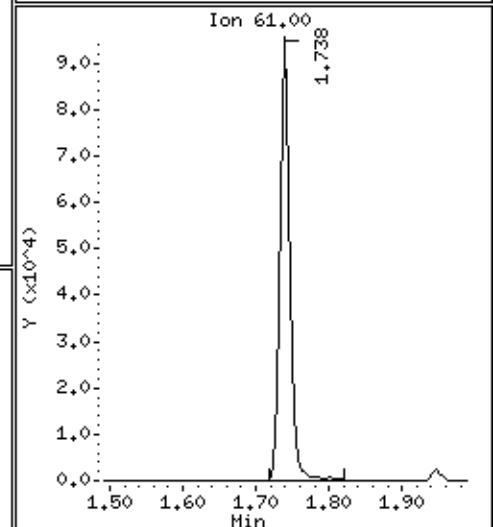
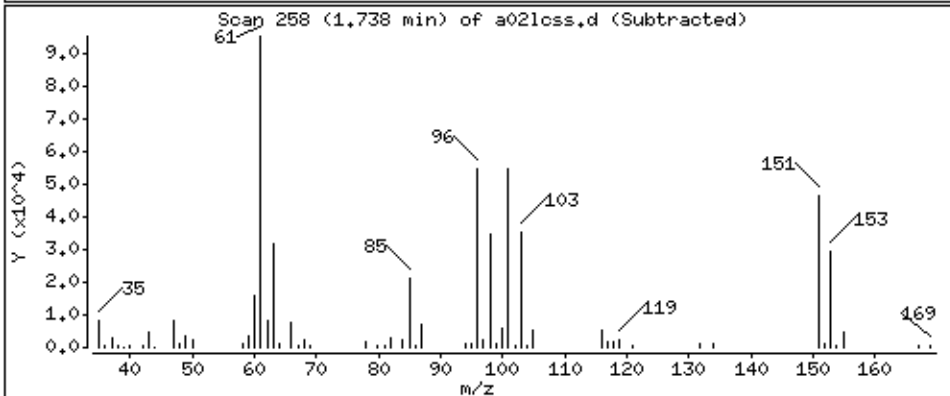
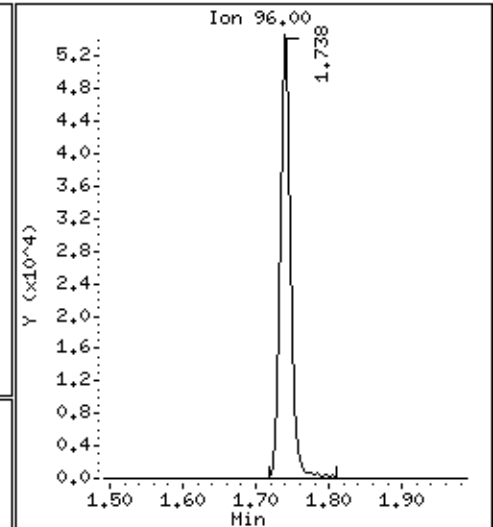
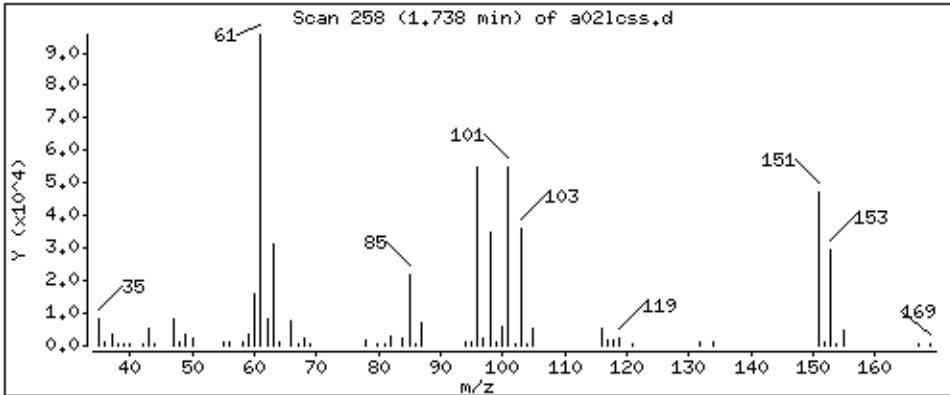
Operator: grm

Column phase: DB-624

Column diameter: 0,18

11 1,1-Dichloroethene

Concentration: 37,8 ppb



Date : 02-JUL-2014 11:52

Client ID: LCSs,71089;5

Instrument: 50mv1a.i

Sample Info: 1122142,71089;5

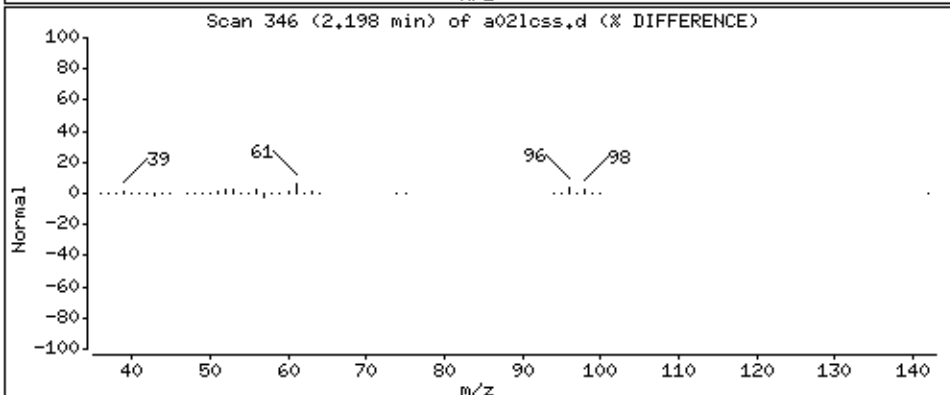
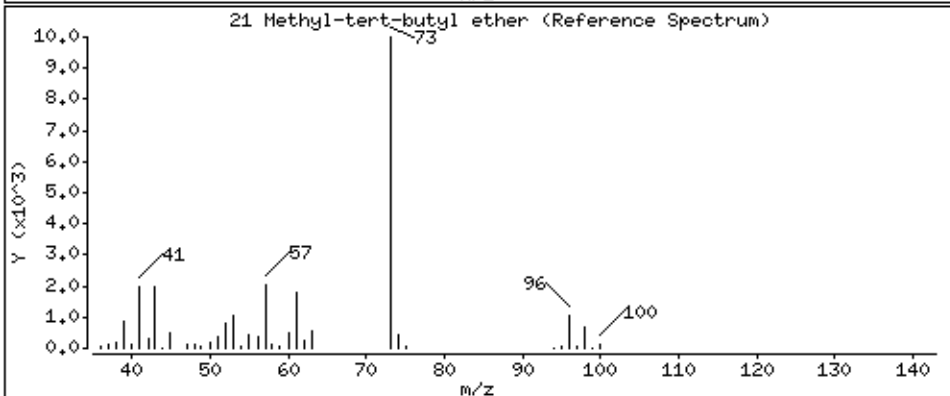
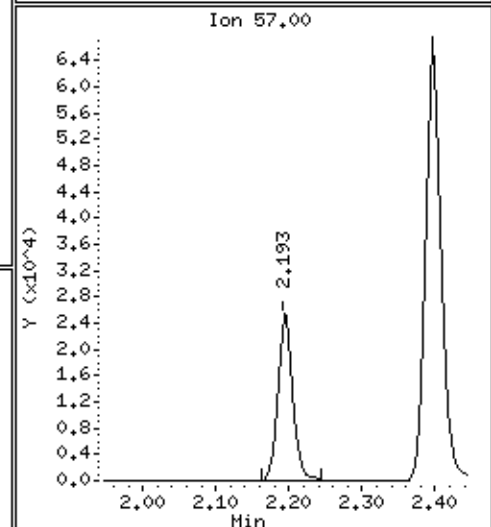
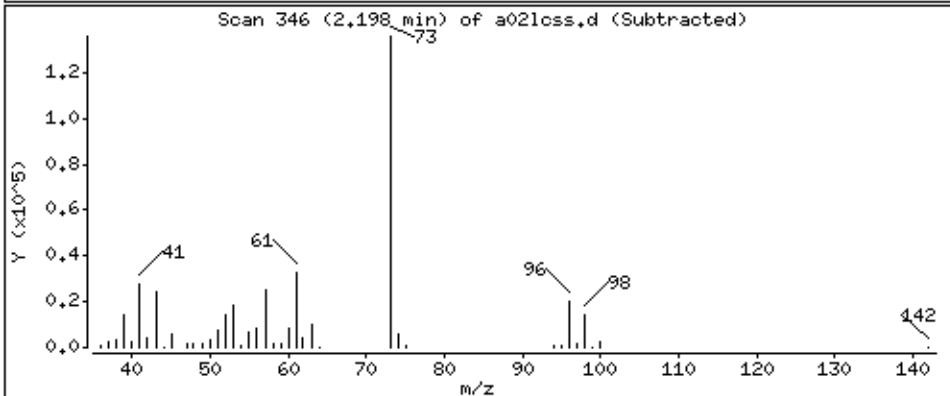
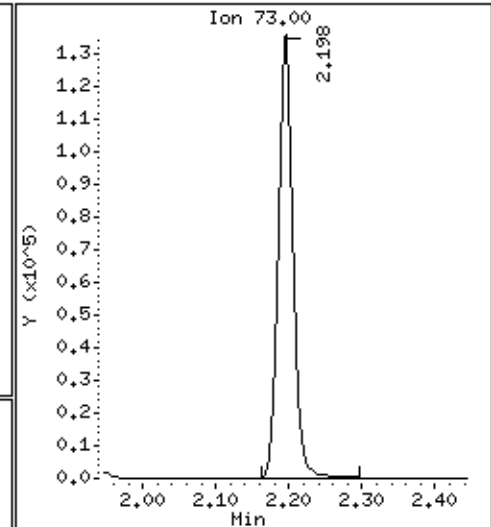
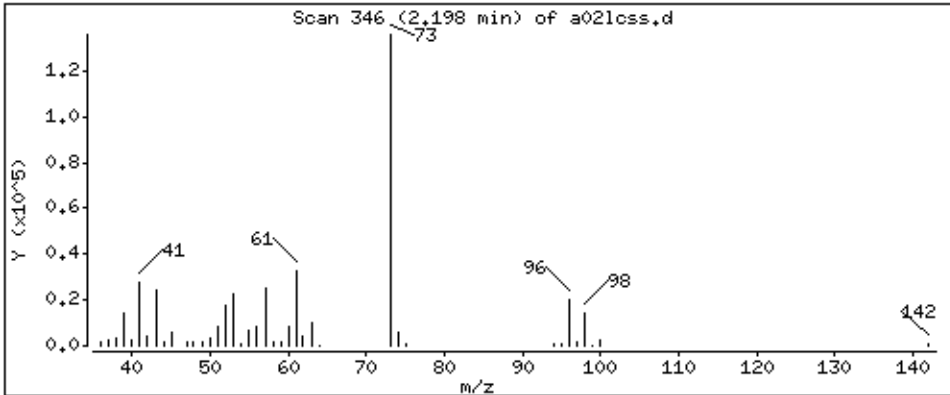
Operator: grm

Column phase: DB-624

Column diameter: 0,18

21 Methyl-tert-butyl ether

Concentration: 73,0 ppb



Date : 02-JUL-2014 11:52

Client ID: LCSs,71089;5

Instrument: 50mv1a.i

Sample Info: 1122142,71089;5

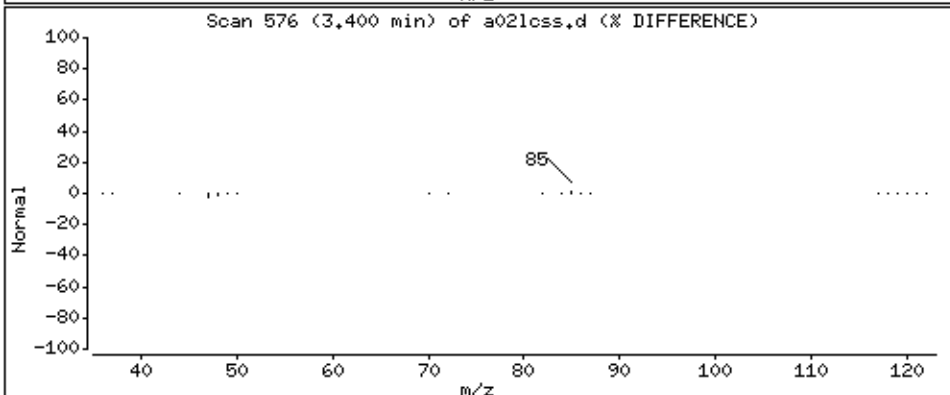
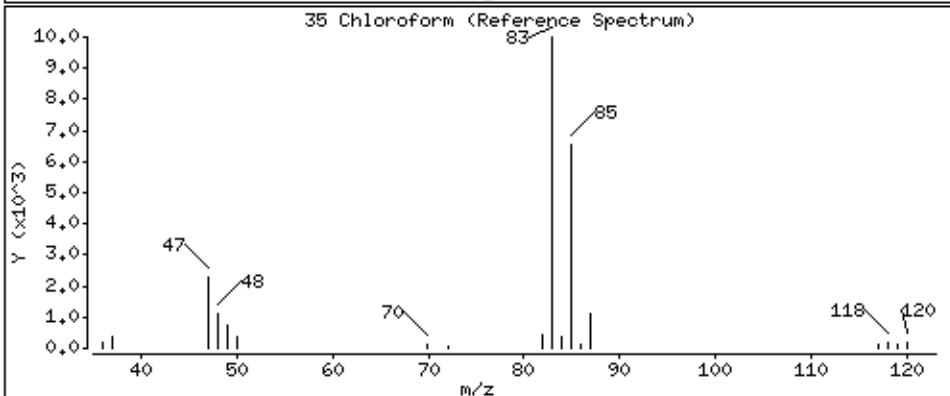
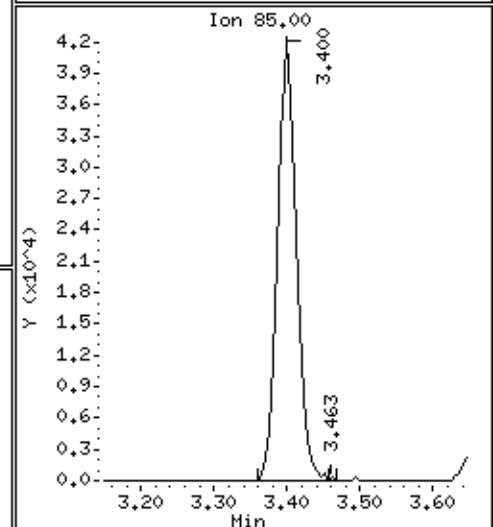
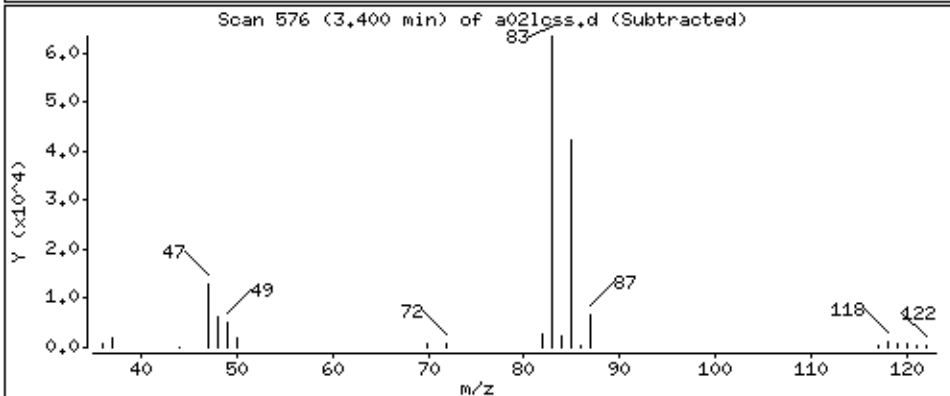
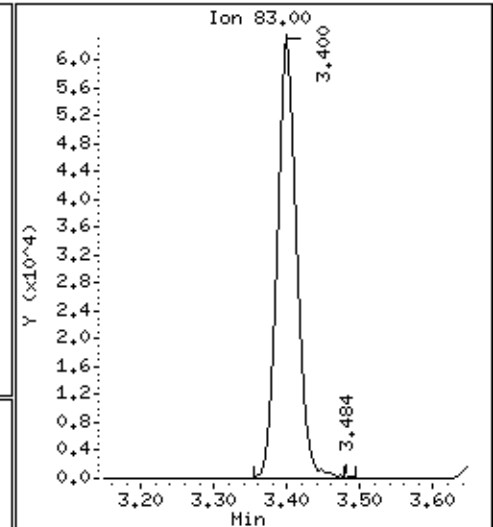
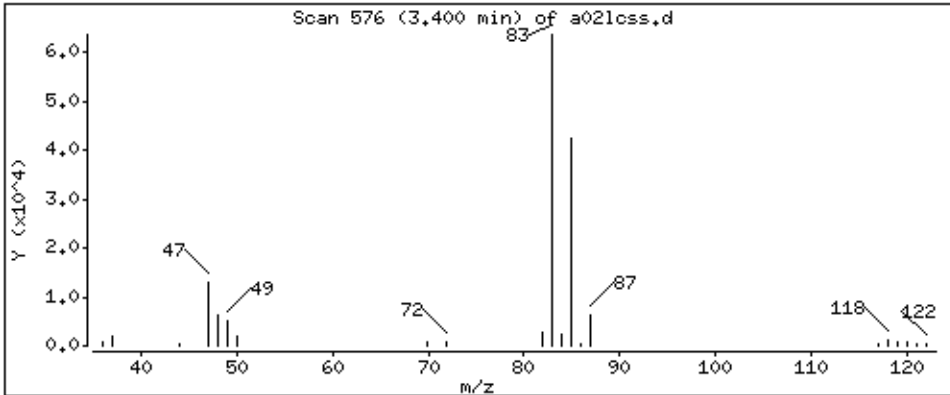
Operator: grm

Column phase: DB-624

Column diameter: 0,18

35 Chloroform

Concentration: 37,7 ppb



Date : 02-JUL-2014 11:52

Client ID: LCSs,71089;5

Instrument: 50mv1a.i

Sample Info: 1122142,71089;5

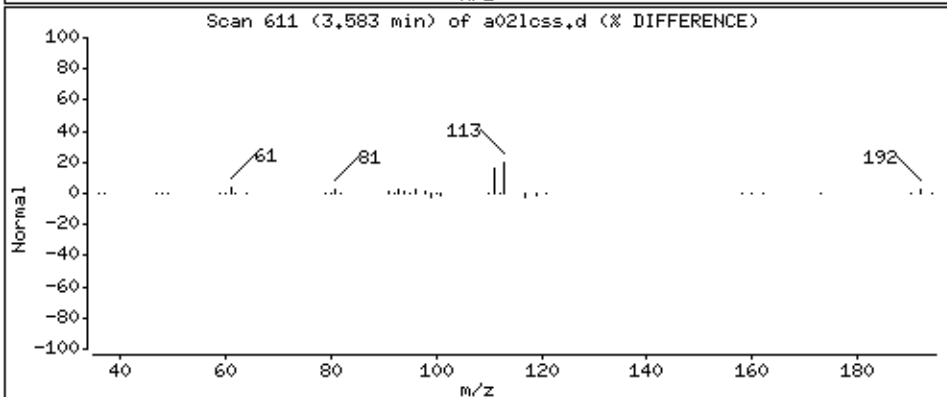
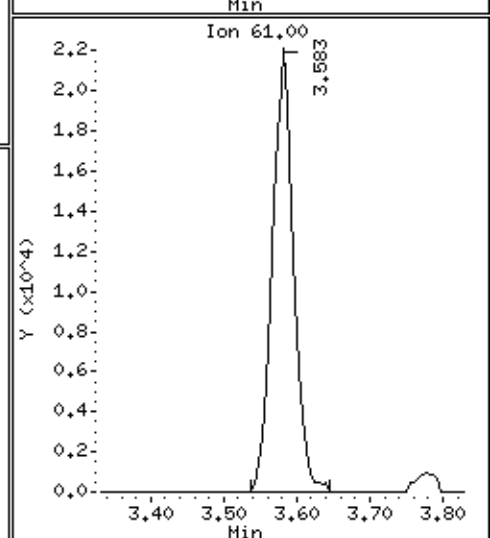
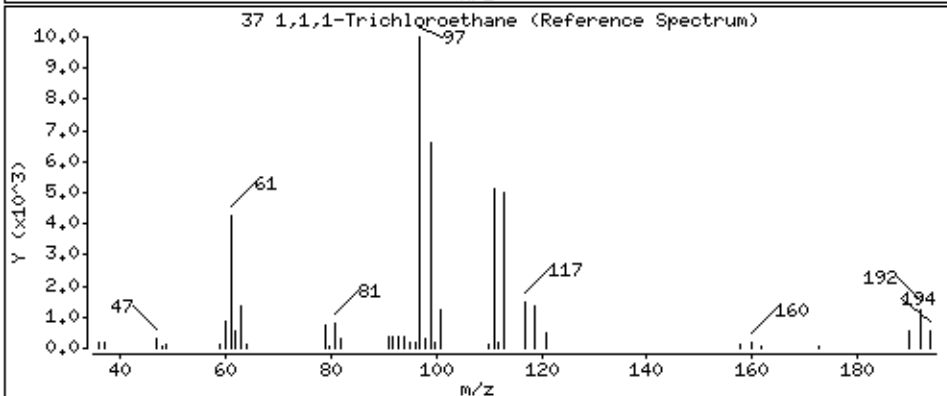
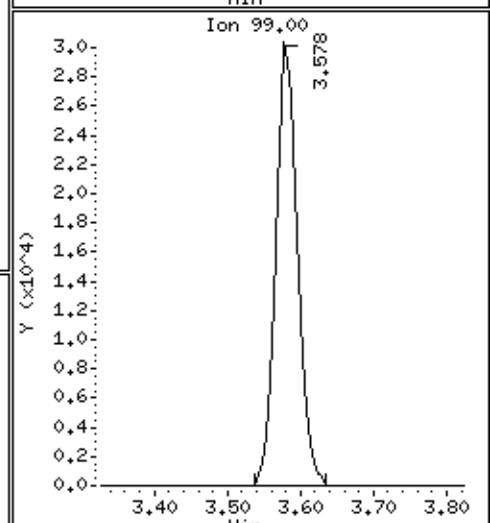
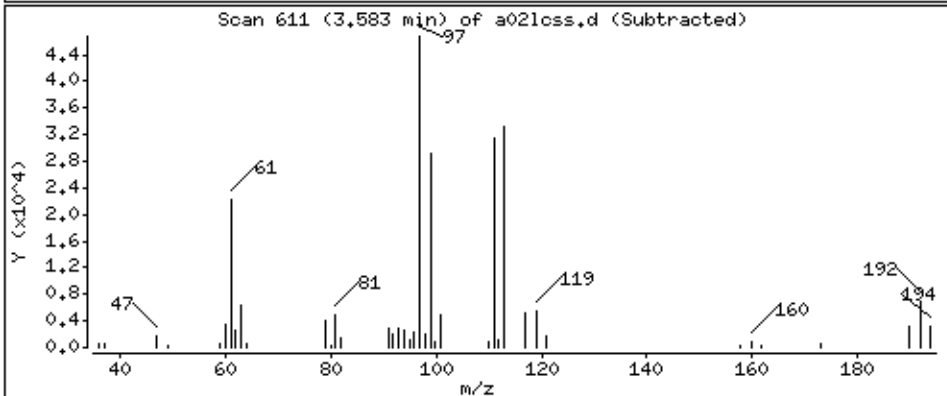
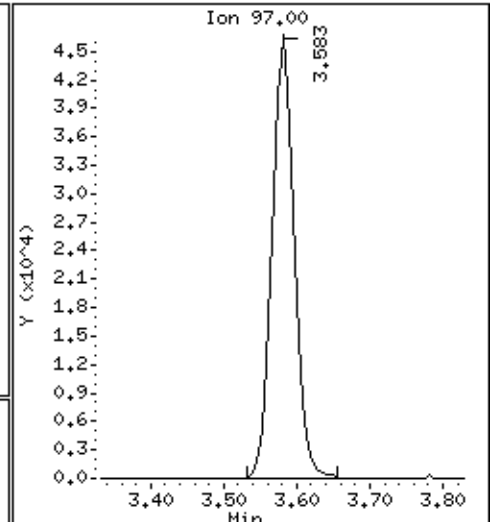
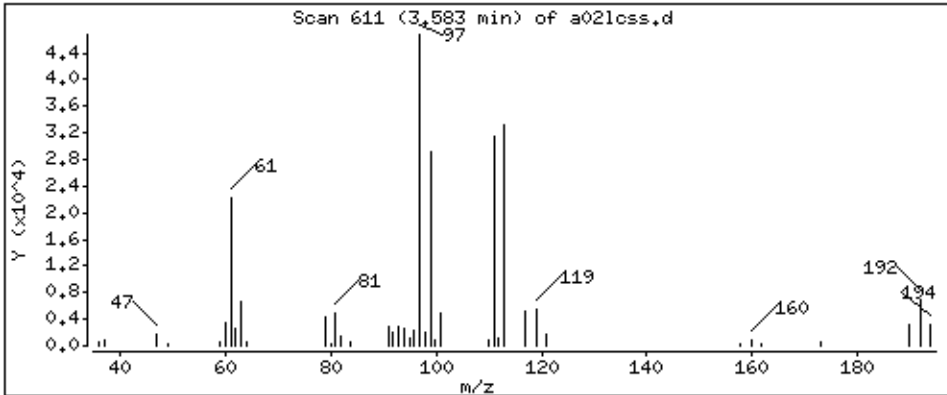
Operator: grm

Column phase: DB-624

Column diameter: 0,18

37 1,1,1-Trichloroethane

Concentration: 36,7 ppb



Date : 02-JUL-2014 11:52

Client ID: LCSs,71089;5

Instrument: 50mv1a.i

Sample Info: 1122142,71089;5

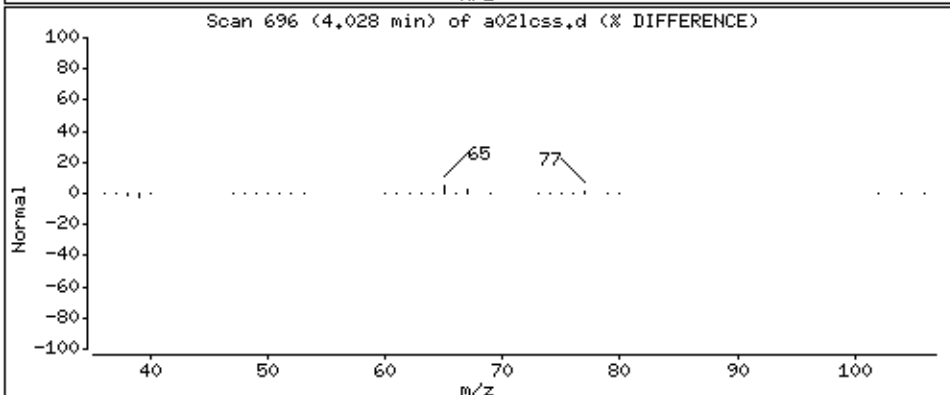
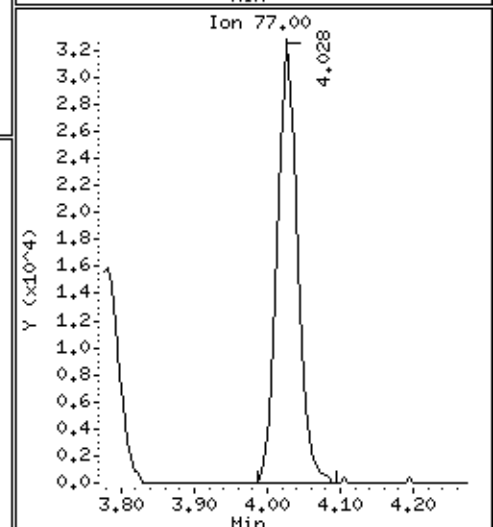
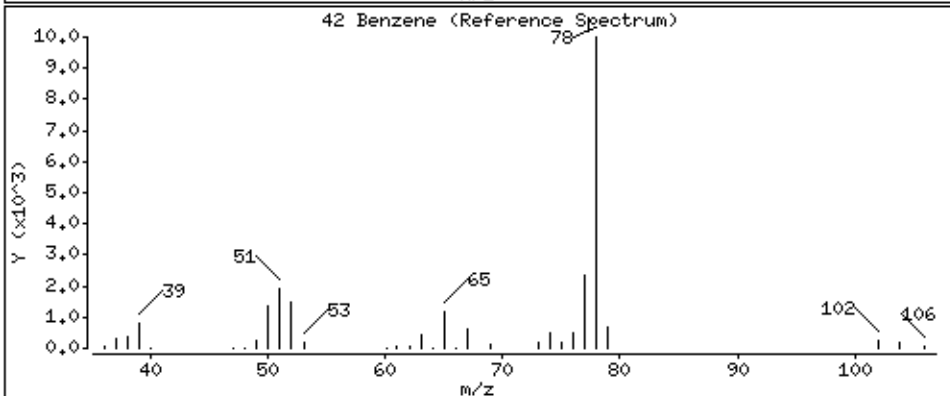
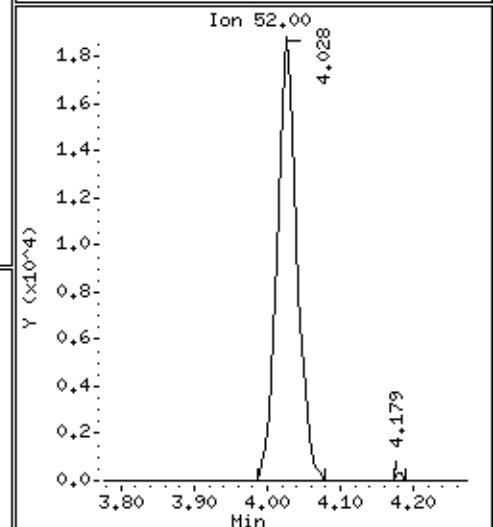
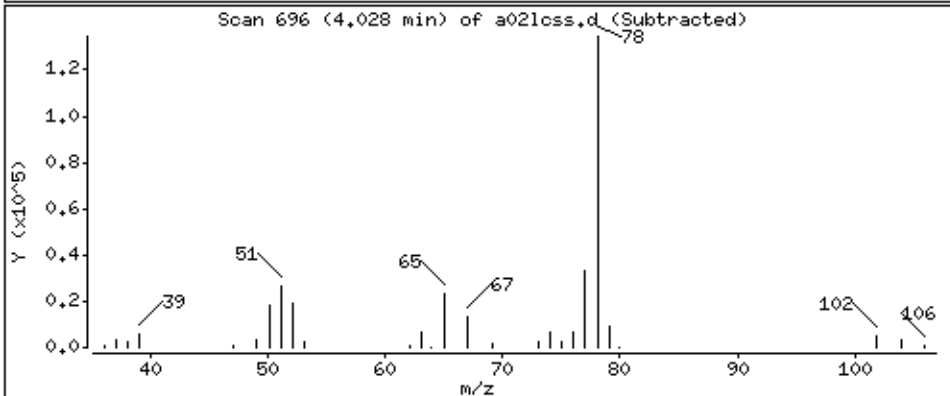
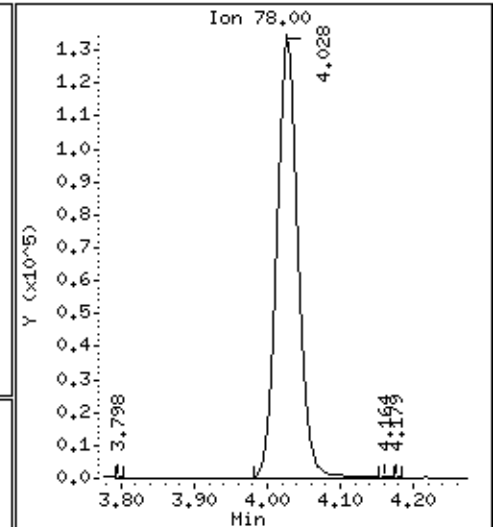
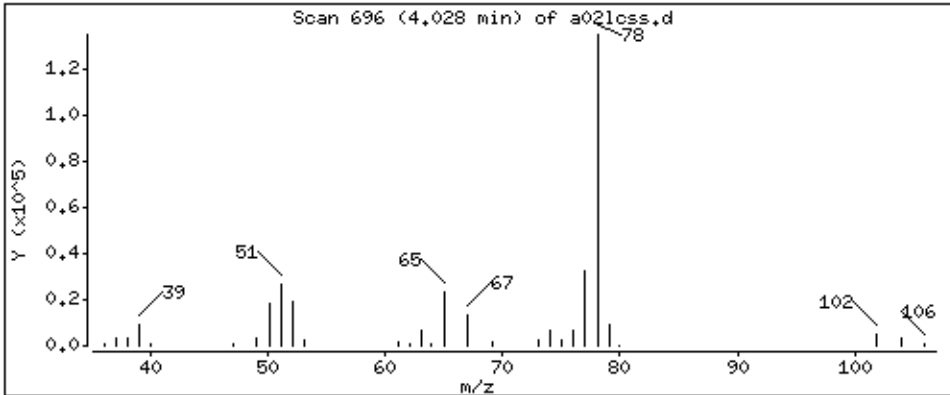
Operator: grm

Column phase: DB-624

Column diameter: 0,18

42 Benzene

Concentration: 43,2 ppb



Date : 02-JUL-2014 11:52

Client ID: LCSs,71089;5

Instrument: 50mv1a.i

Sample Info: 1122142,71089;5

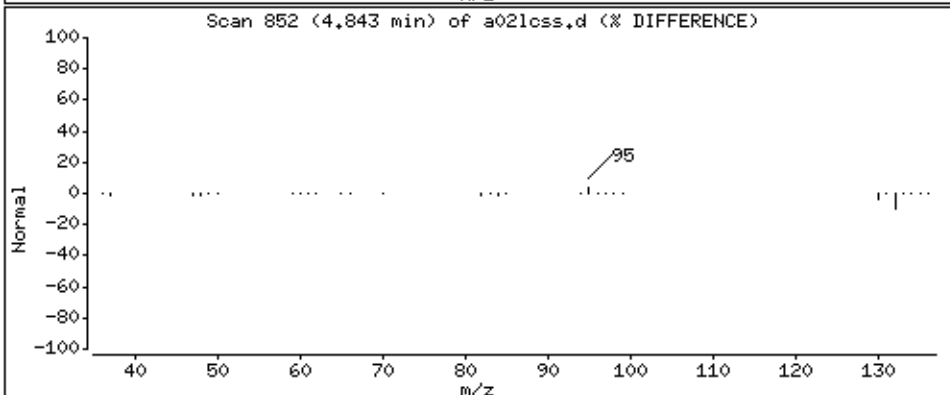
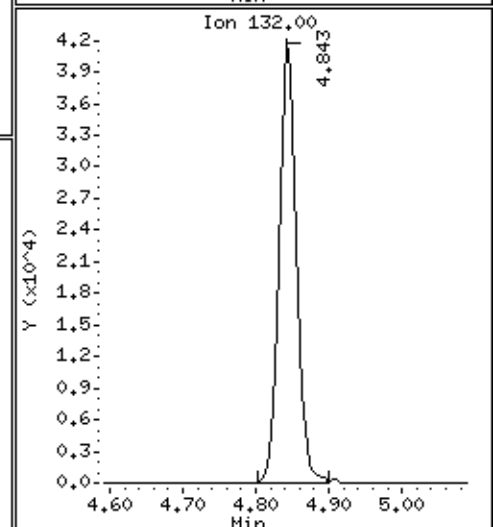
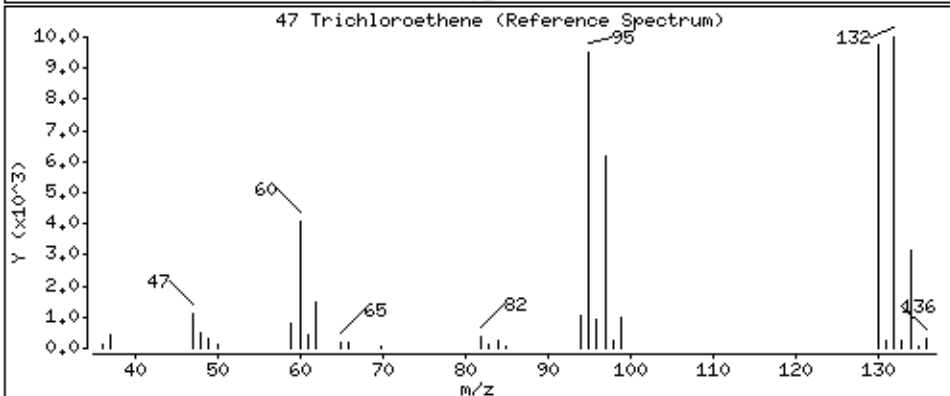
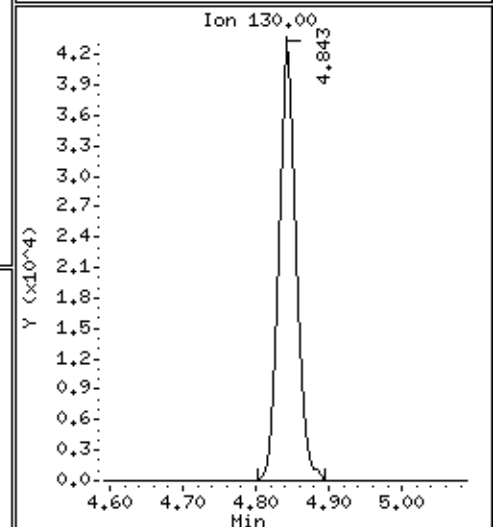
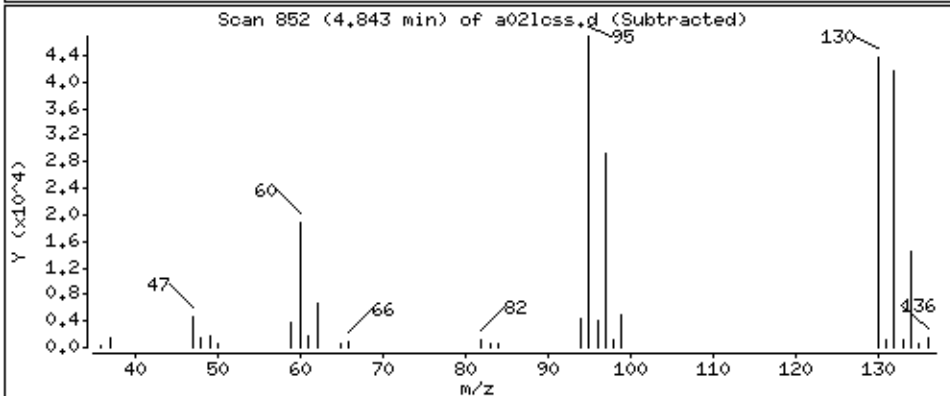
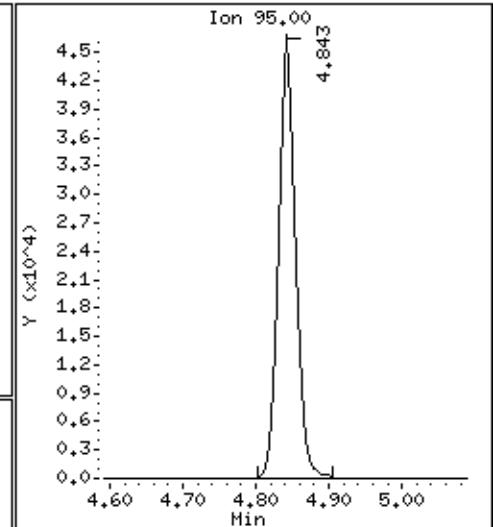
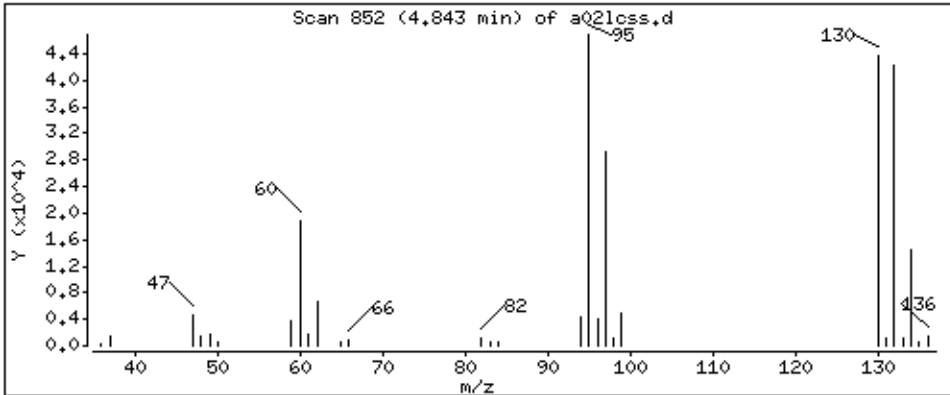
Operator: grm

Column phase: DB-624

Column diameter: 0,18

47 Trichloroethene

Concentration: 41.1 ppb



Date : 02-JUL-2014 11:52

Client ID: LCSs,71089;5

Instrument: 50mv1a.i

Sample Info: 1122142,71089;5

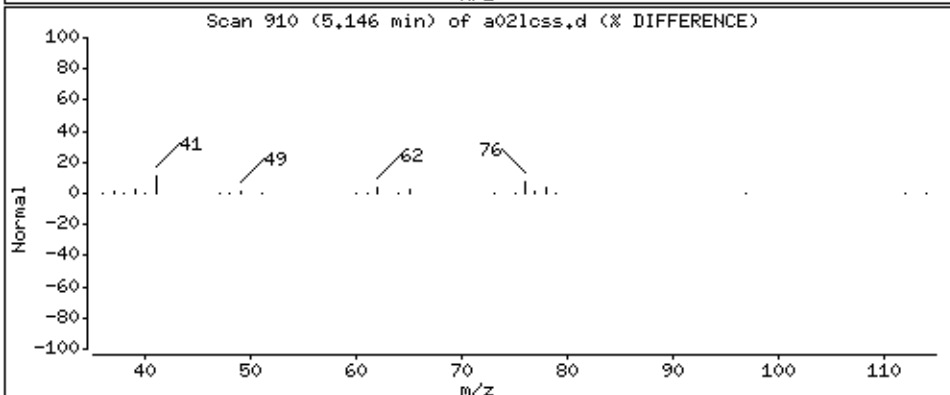
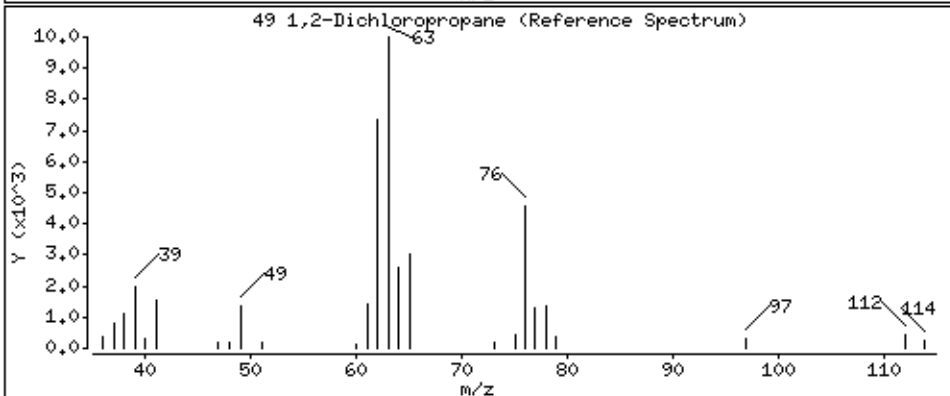
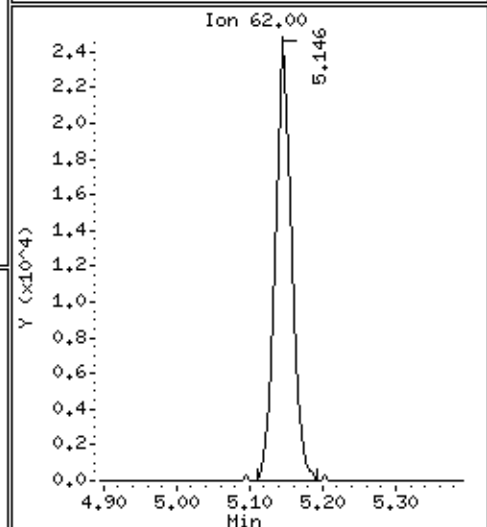
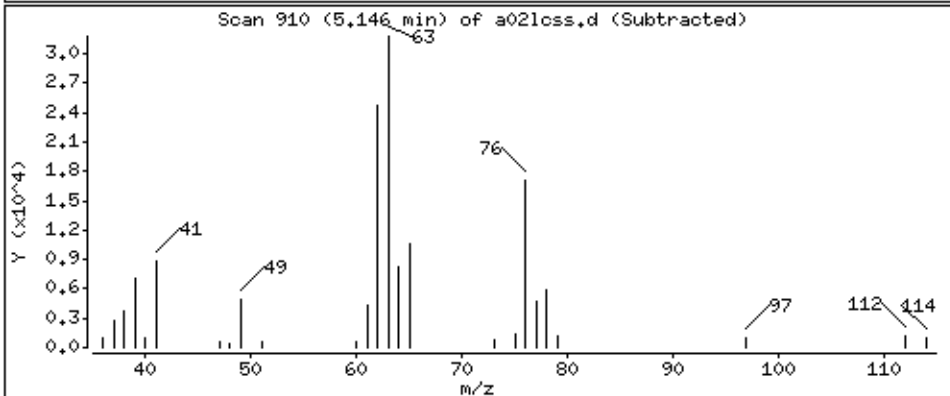
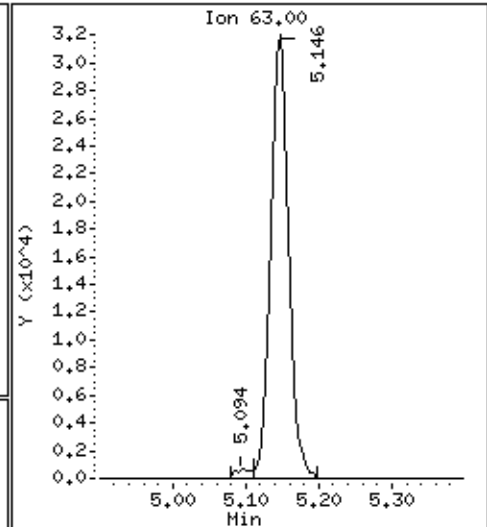
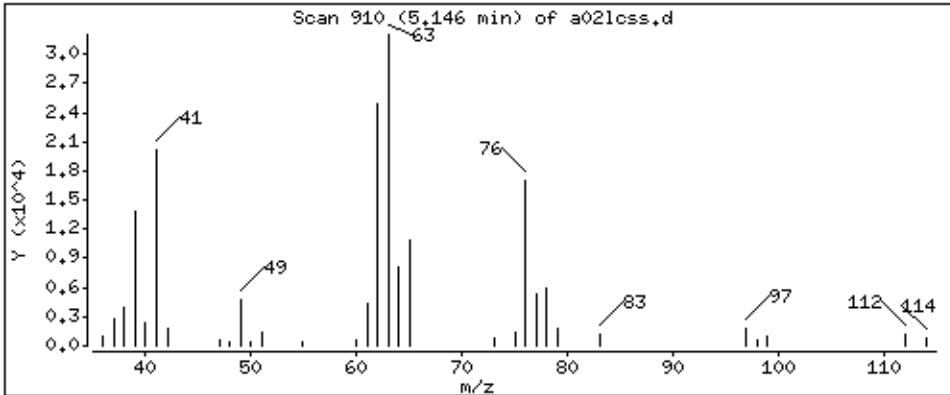
Operator: grm

Column phase: DB-624

Column diameter: 0,18

49 1,2-Dichloropropane

Concentration: 41.0 ppb



Date : 02-JUL-2014 11:52

Client ID: LCSs,71089;5

Instrument: 50mv1a.i

Sample Info: 1122142,71089;5

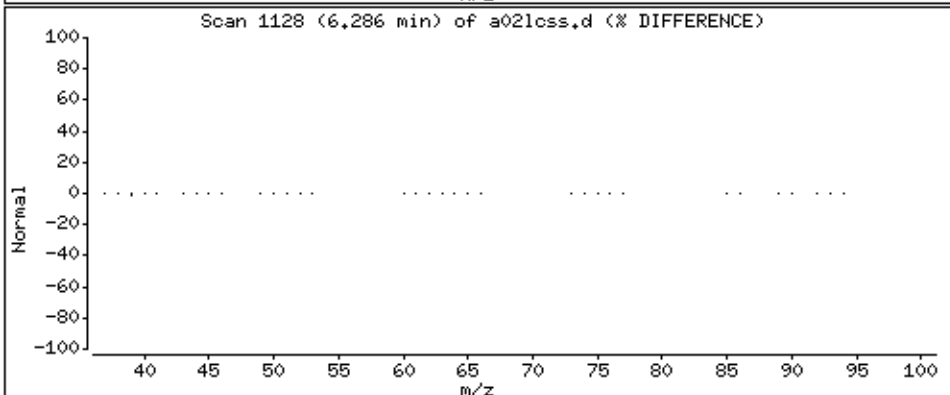
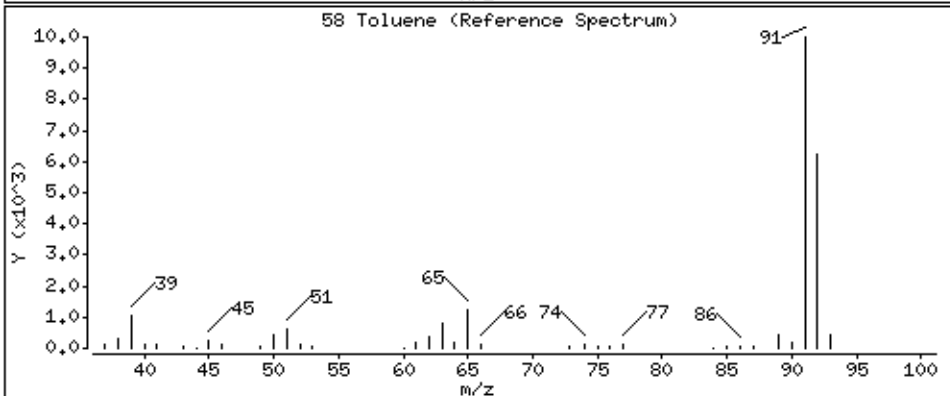
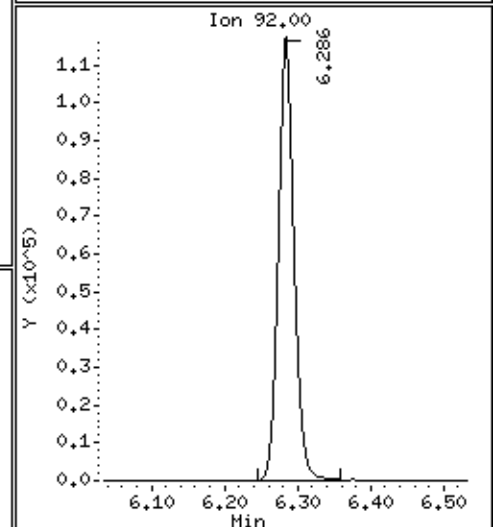
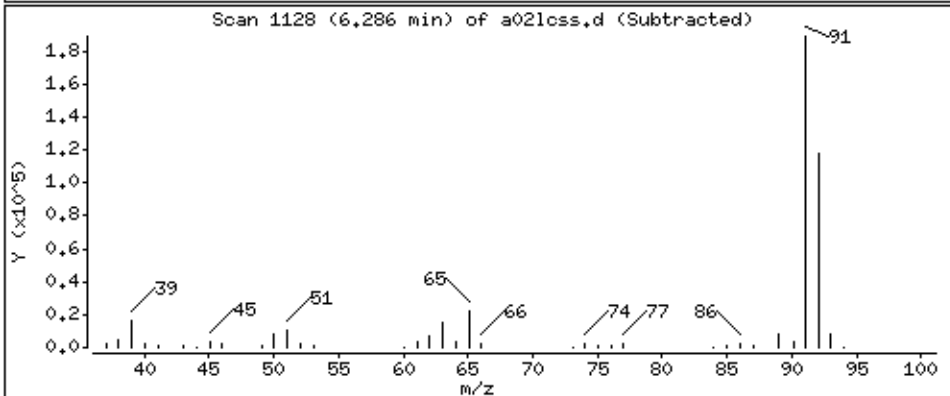
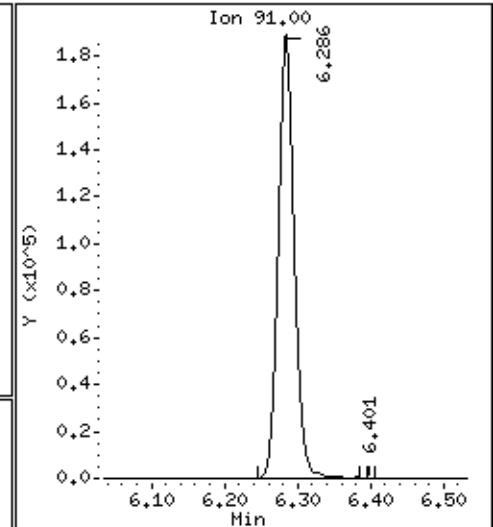
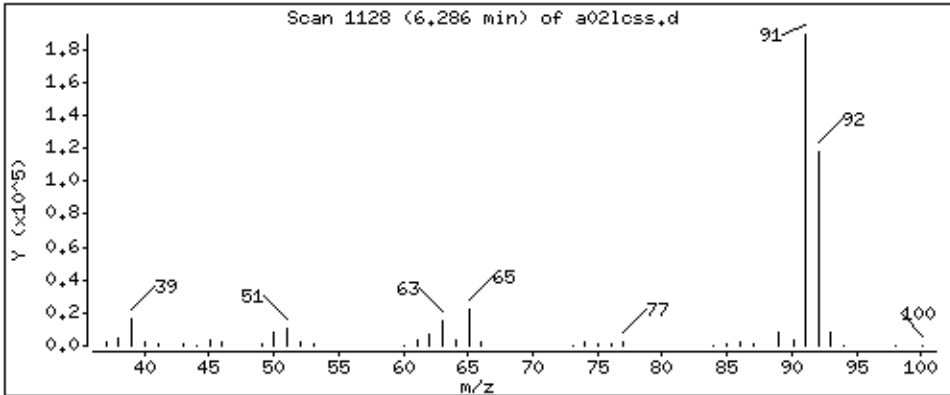
Operator: grm

Column phase: DB-624

Column diameter: 0,18

58 Toluene

Concentration: 41.5 ppb



Date : 02-JUL-2014 11:52

Client ID: LCSs,71089;5

Instrument: 50mv1a.i

Sample Info: 1122142,71089;5

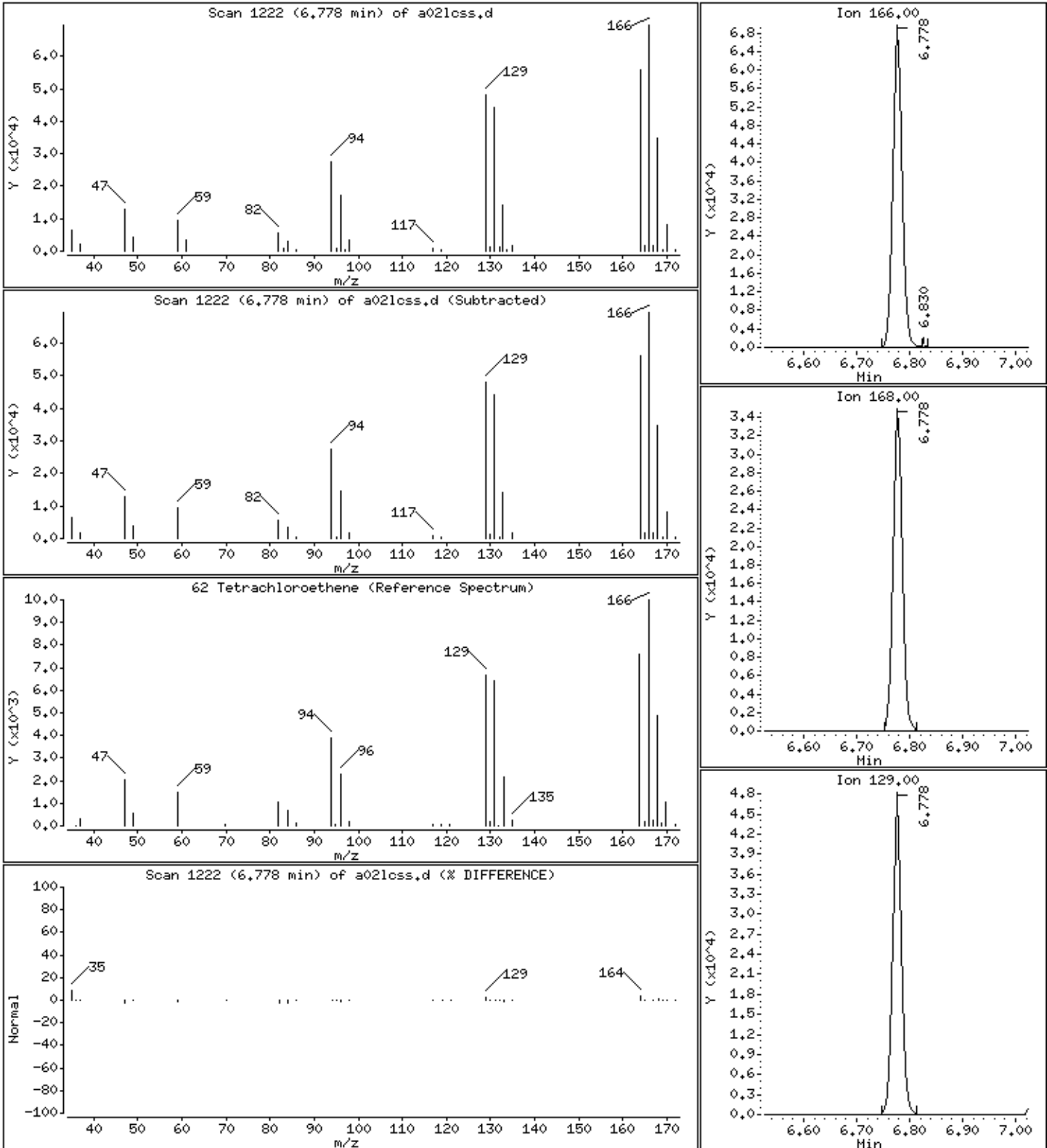
Operator: grm

Column phase: DB-624

Column diameter: 0,18

62 Tetrachloroethene

Concentration: 40,1 ppb



Date : 02-JUL-2014 11:52

Client ID: LCSs,71089;5

Instrument: 50mv1a.i

Sample Info: 1122142,71089;5

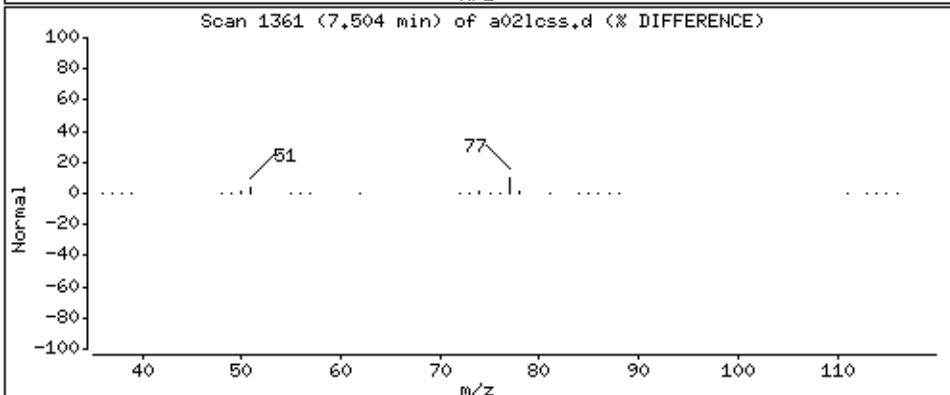
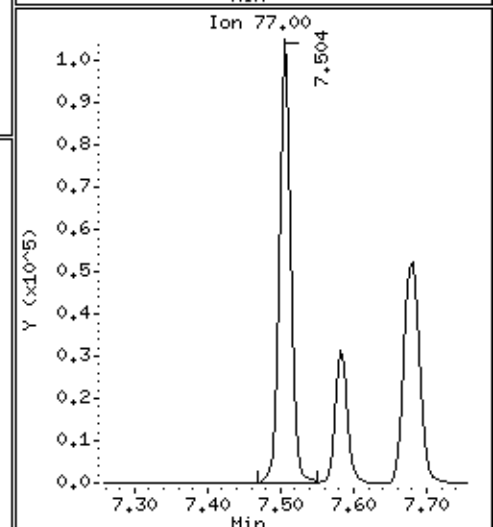
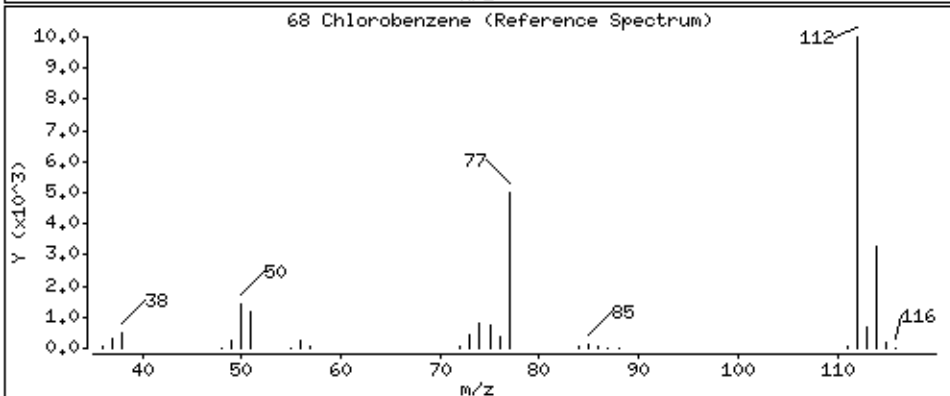
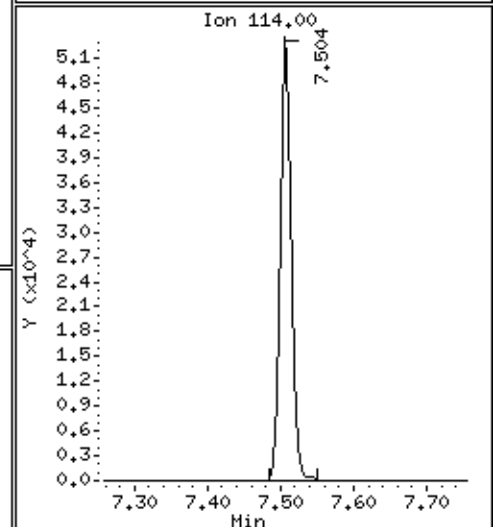
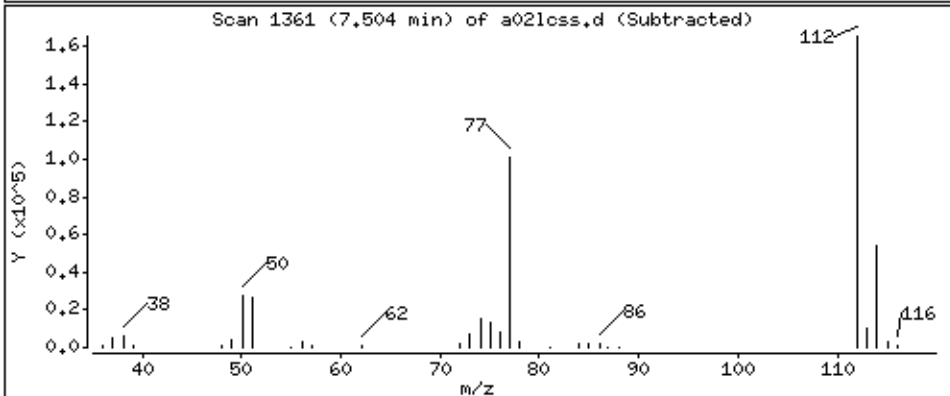
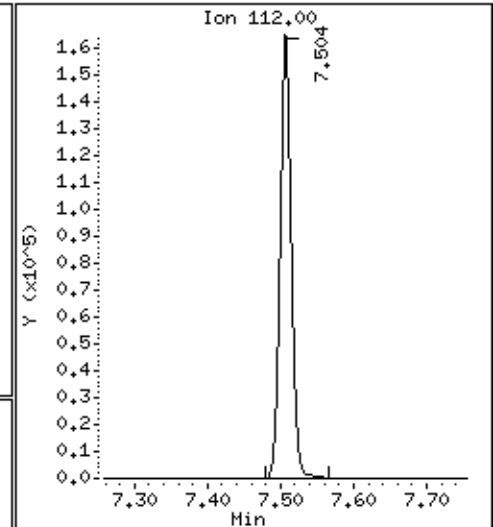
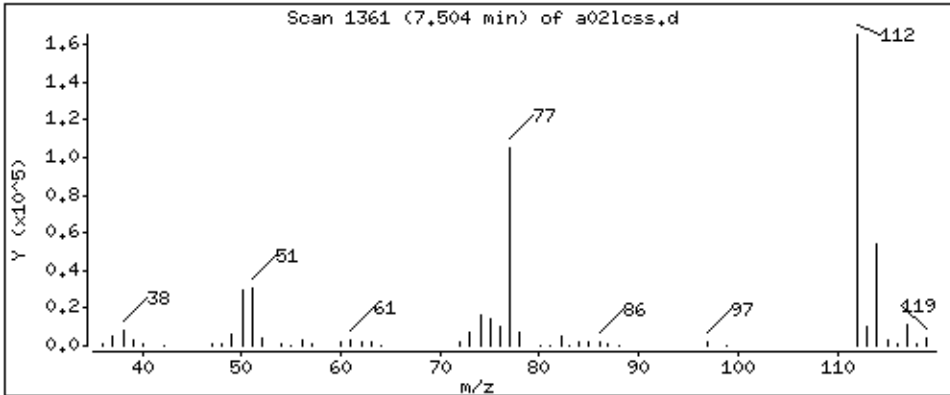
Operator: grm

Column phase: DB-624

Column diameter: 0,18

68 Chlorobenzene

Concentration: 42.1 ppb



Date : 02-JUL-2014 11:52

Client ID: LCSs,71089;5

Instrument: 50mv1a.i

Sample Info: 1122142,71089;5

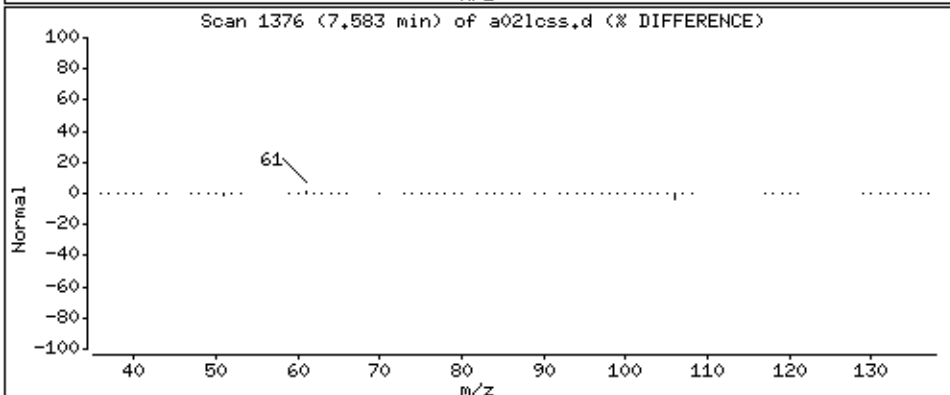
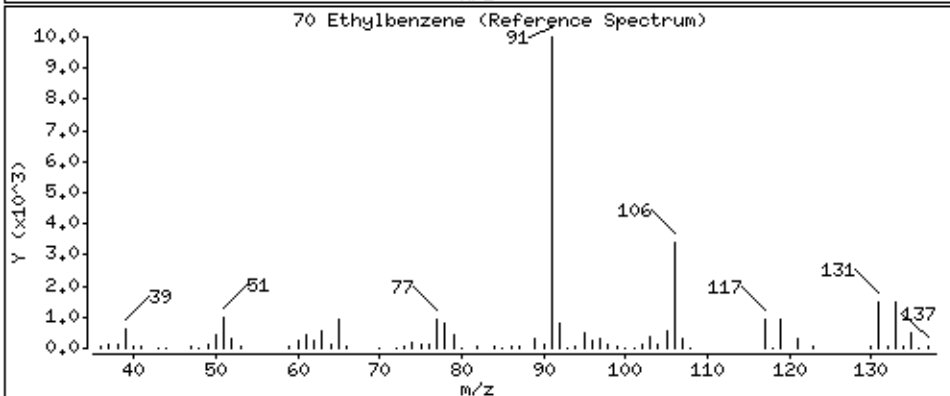
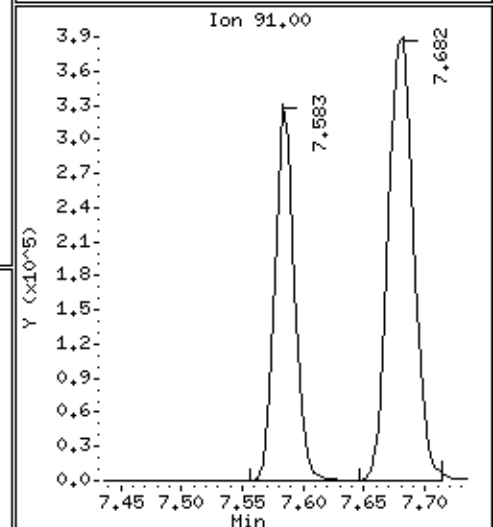
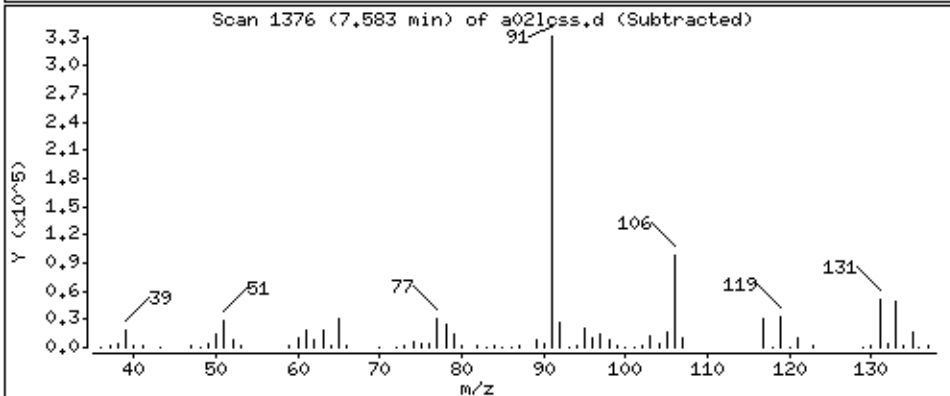
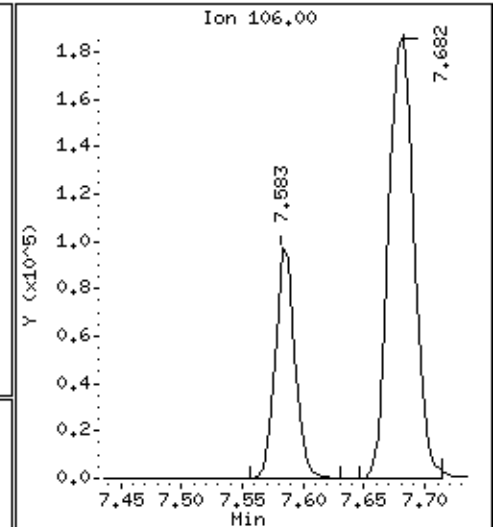
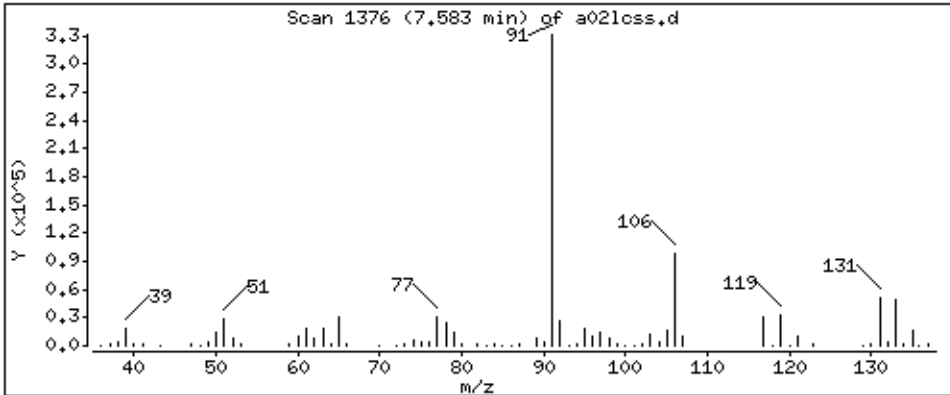
Operator: grm

Column phase: DB-624

Column diameter: 0,18

70 Ethylbenzene

Concentration: 41.9 ppb



Date : 02-JUL-2014 11:52

Client ID: LCSs,71089;5

Instrument: 50mv1a.i

Sample Info: 1122142,71089;5

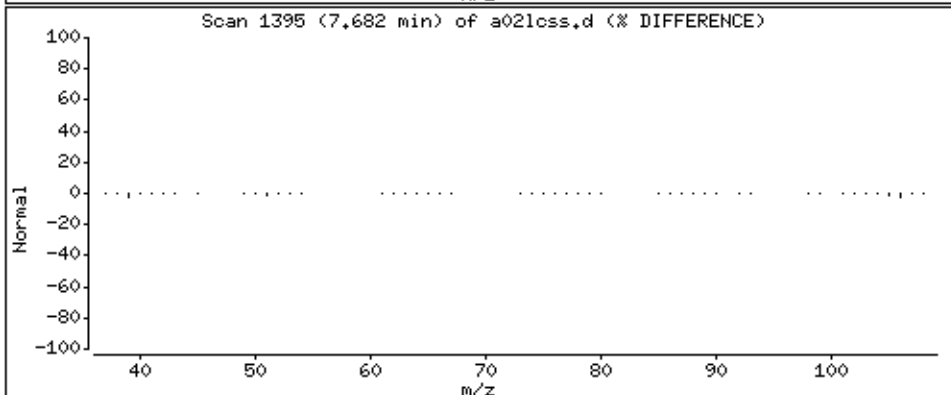
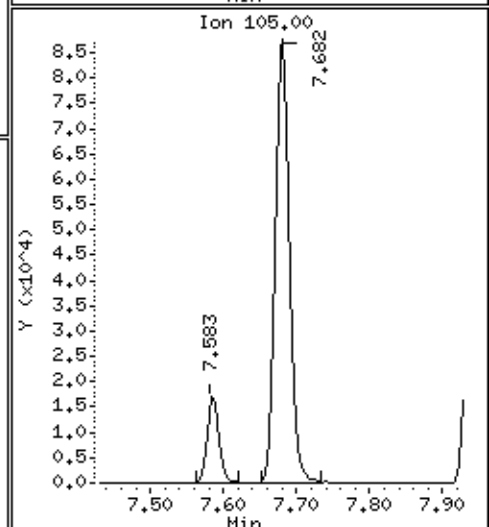
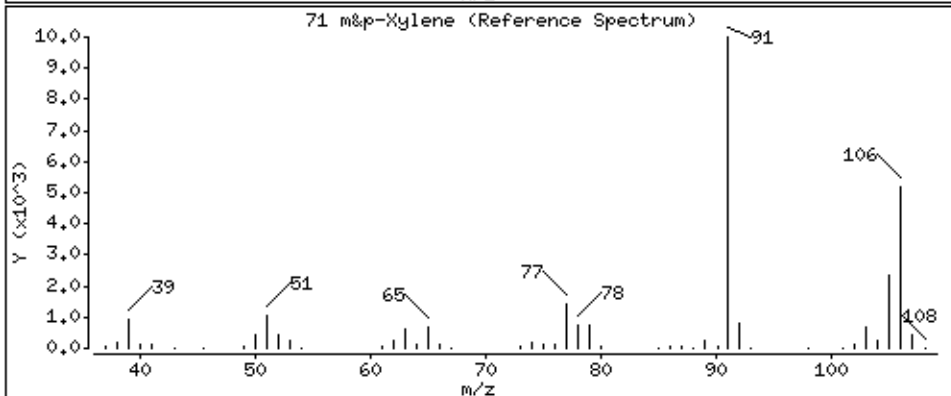
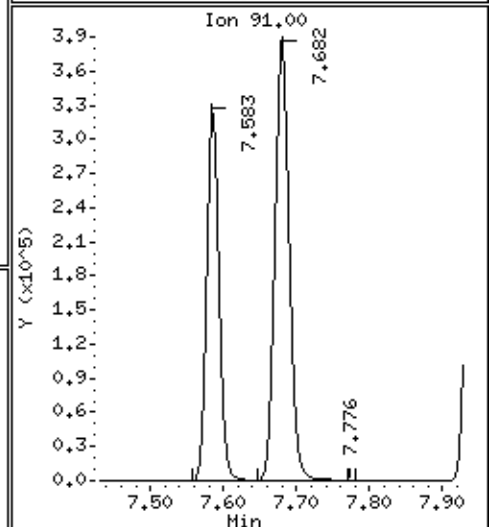
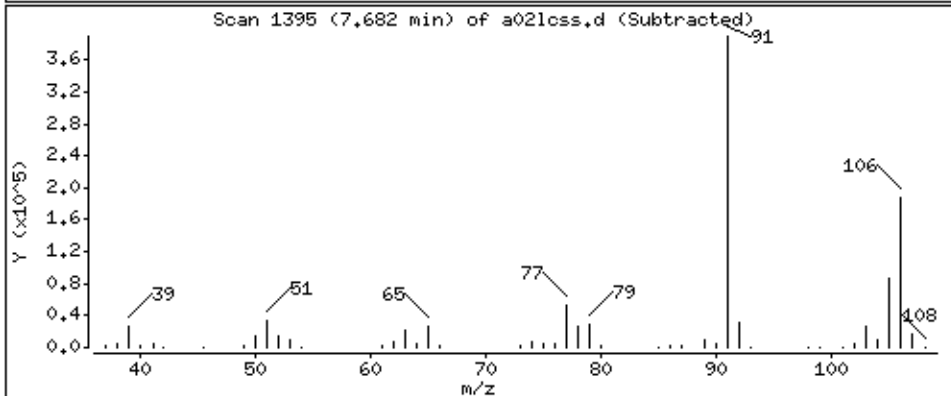
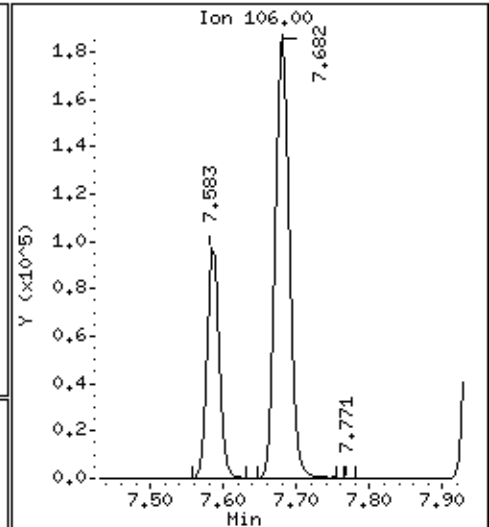
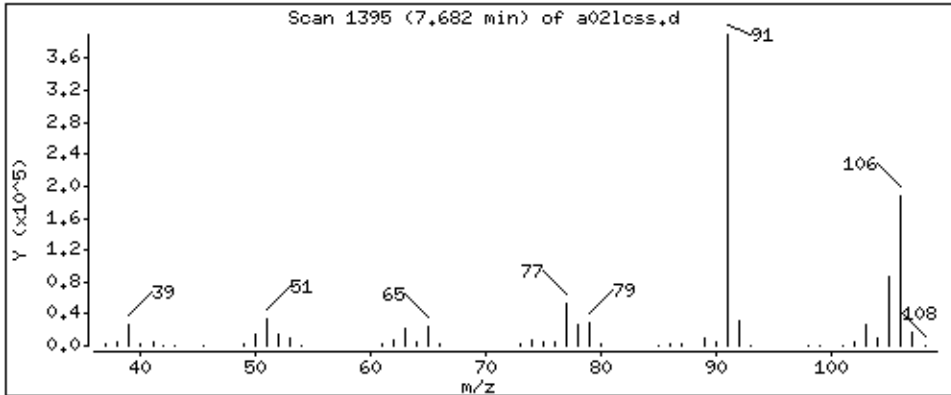
Operator: grm

Column phase: DB-624

Column diameter: 0,18

71 m&p-Xylene

Concentration: 85,0 ppb



Date : 02-JUL-2014 11:52

Client ID: LCSs,71089;5

Instrument: 50mv1a.i

Sample Info: 1122142,71089;5

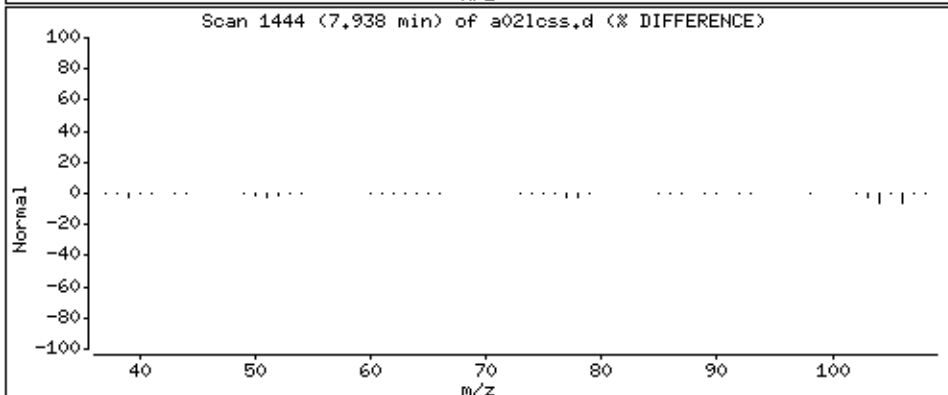
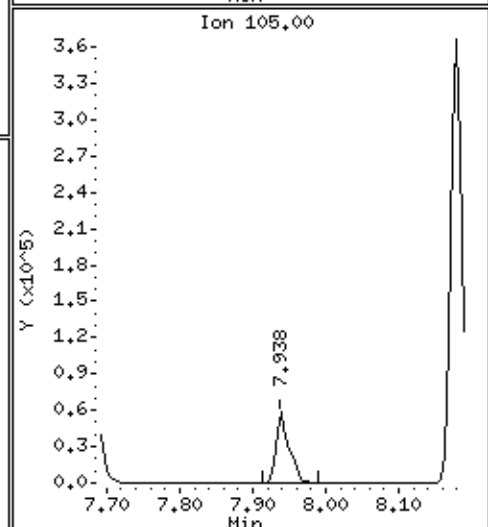
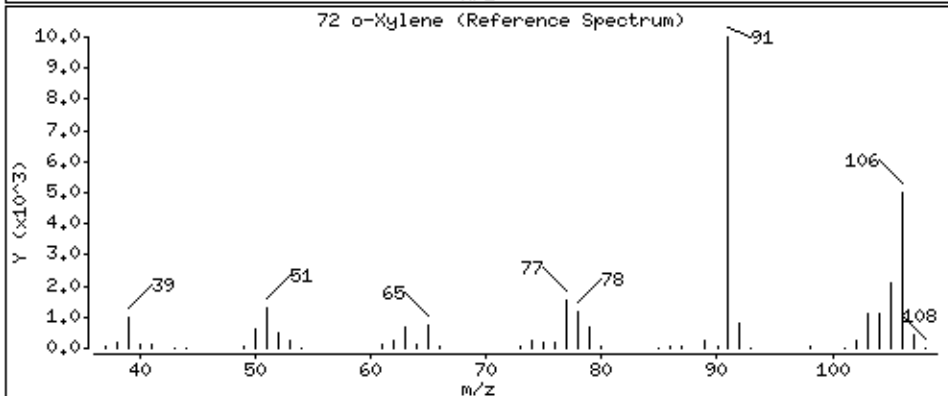
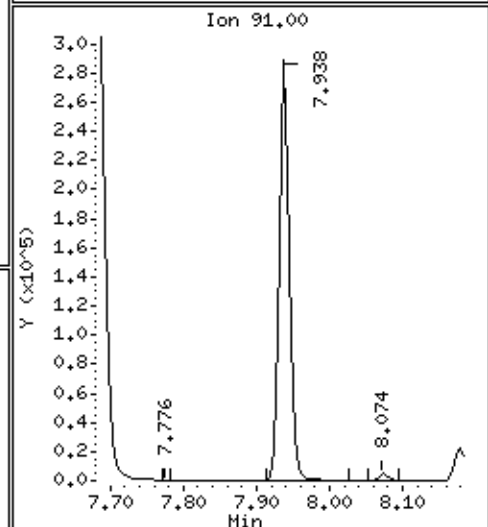
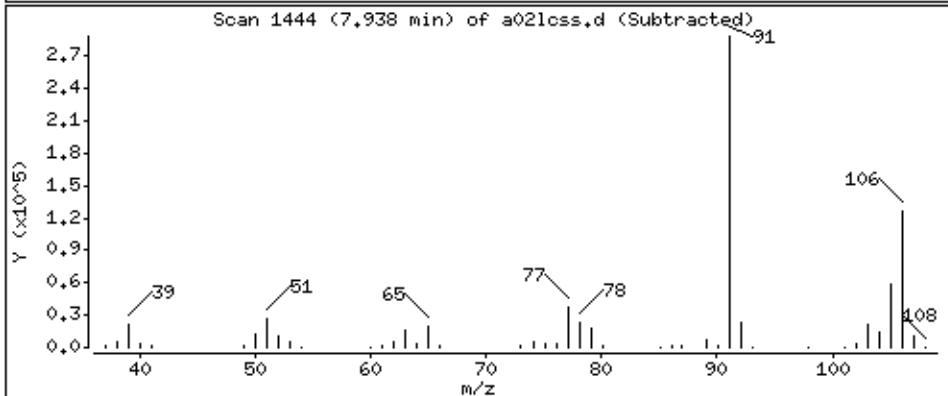
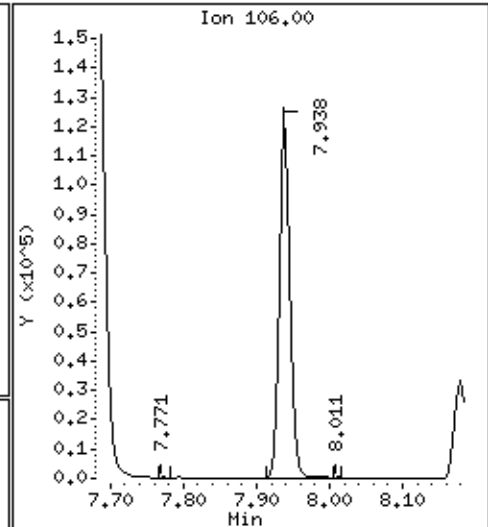
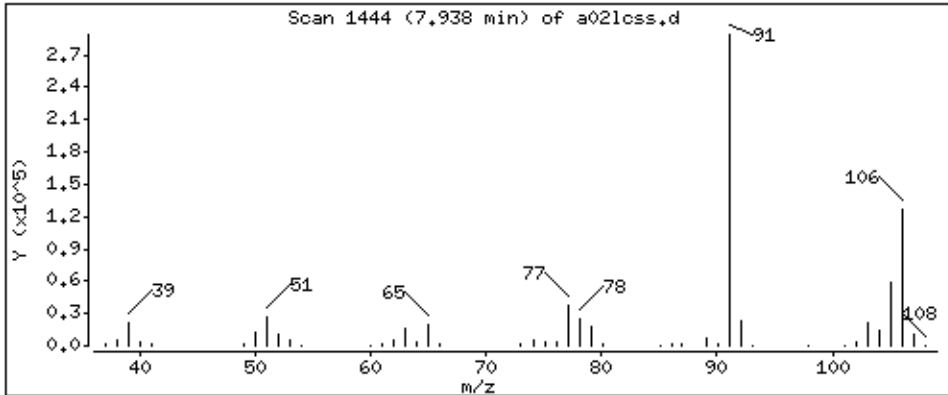
Operator: grm

Column phase: DB-624

Column diameter: 0,18

72 o-Xylene

Concentration: 46,1 ppb



Date : 02-JUL-2014 11:52

Client ID: LCSs,71089;5

Instrument: 50mv1a.i

Sample Info: 1122142,71089;5

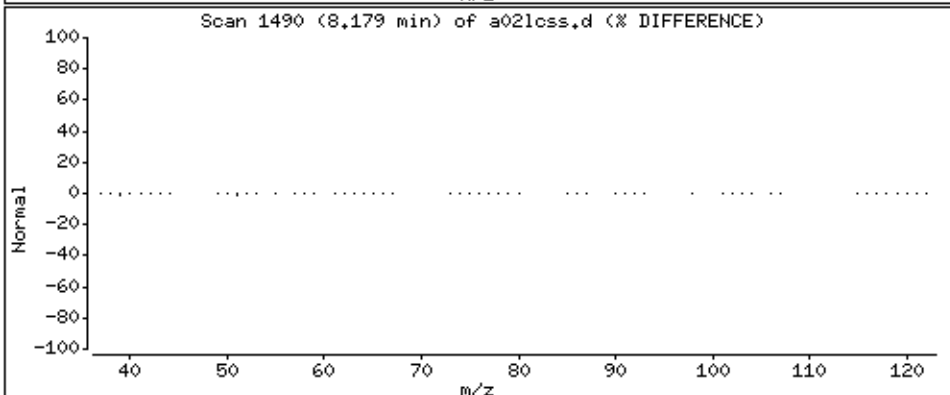
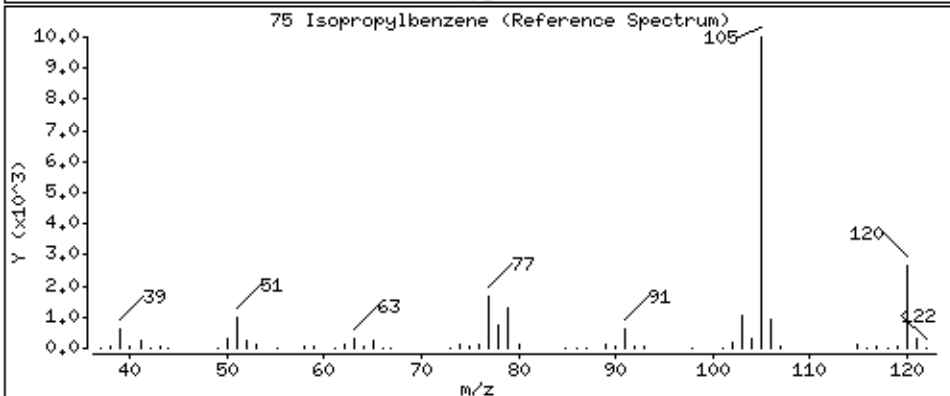
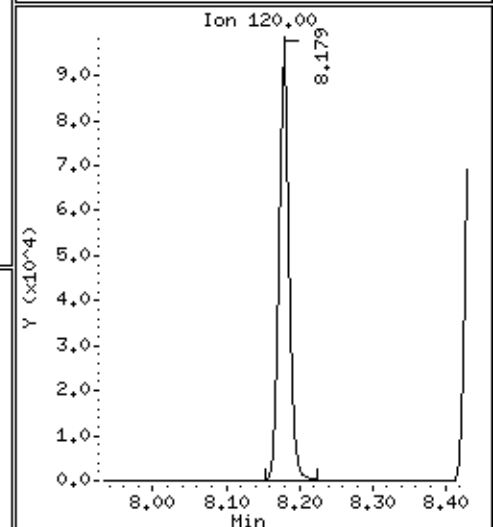
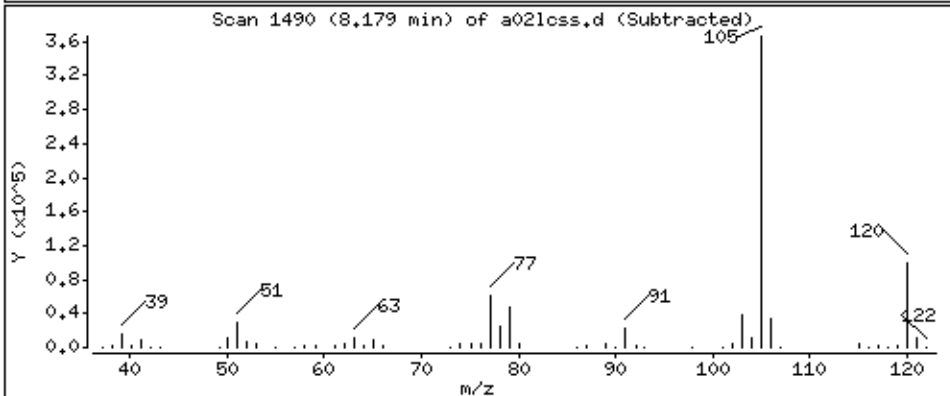
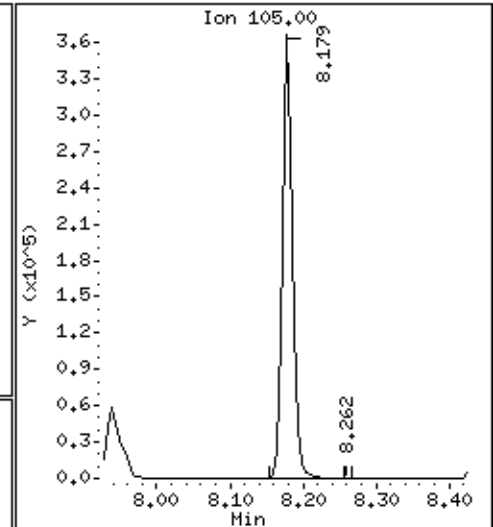
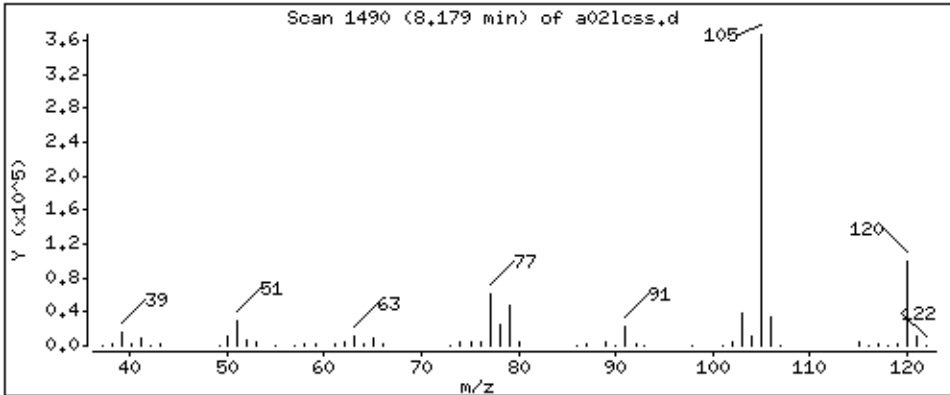
Operator: grm

Column phase: DB-624

Column diameter: 0,18

75 Isopropylbenzene

Concentration: 43.2 ppb



Date : 02-JUL-2014 11:52

Client ID: LCSs,71089;5

Instrument: 50mv1a.i

Sample Info: 1122142,71089;5

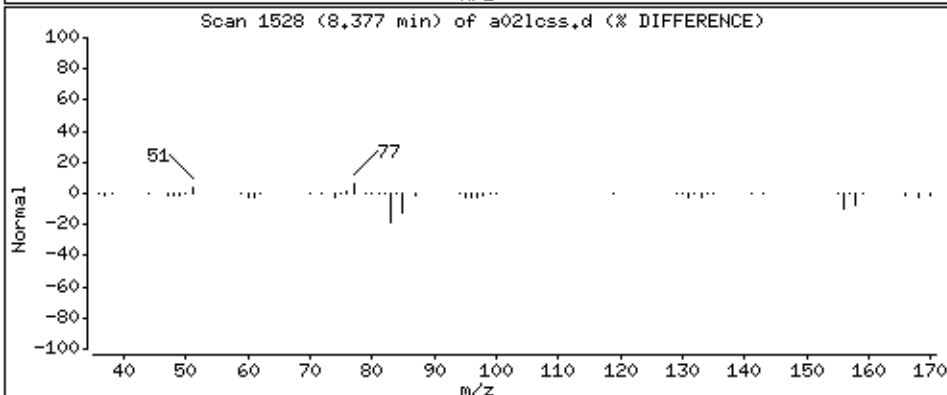
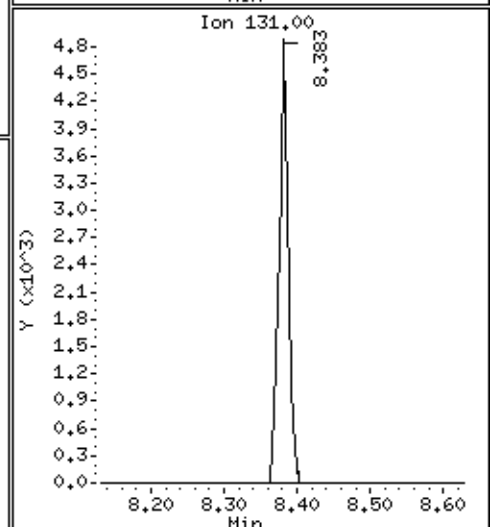
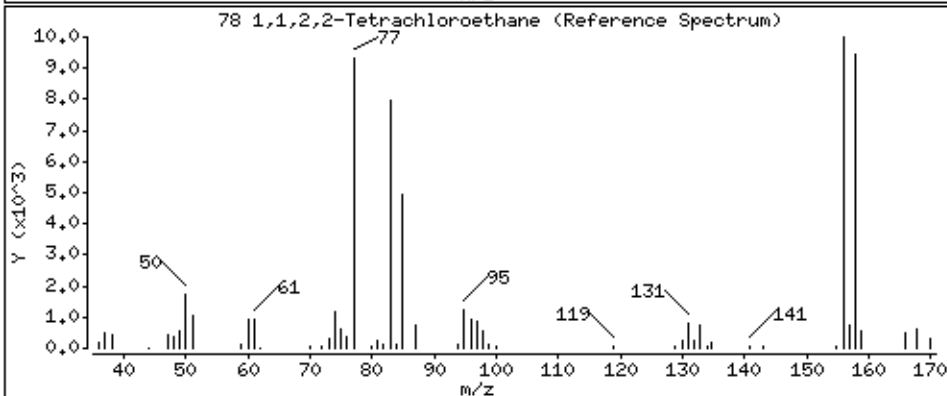
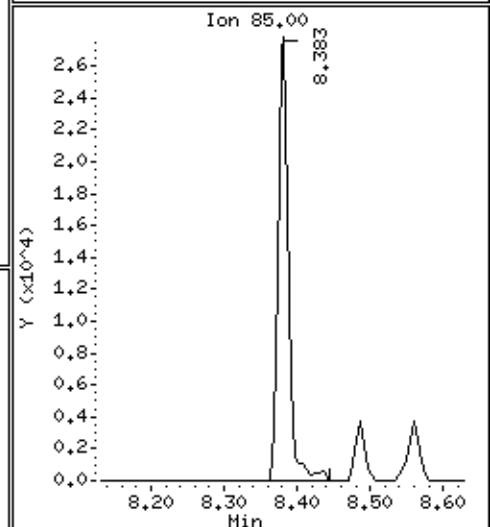
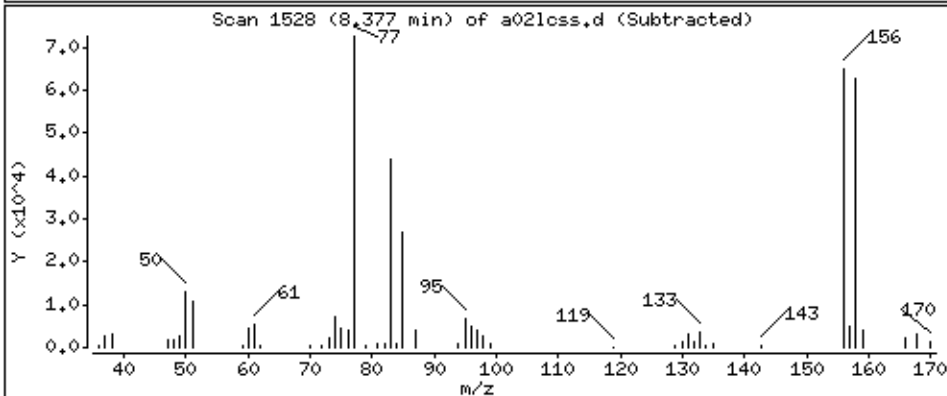
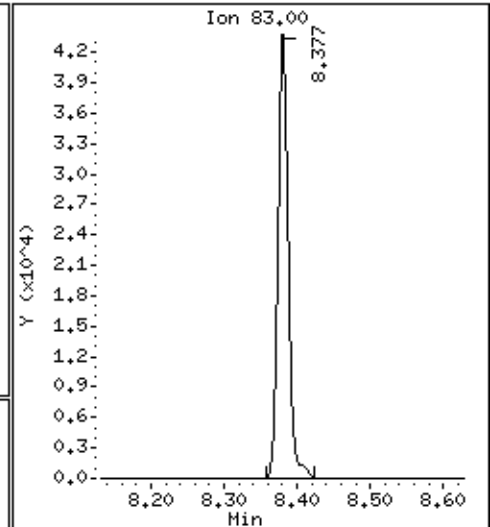
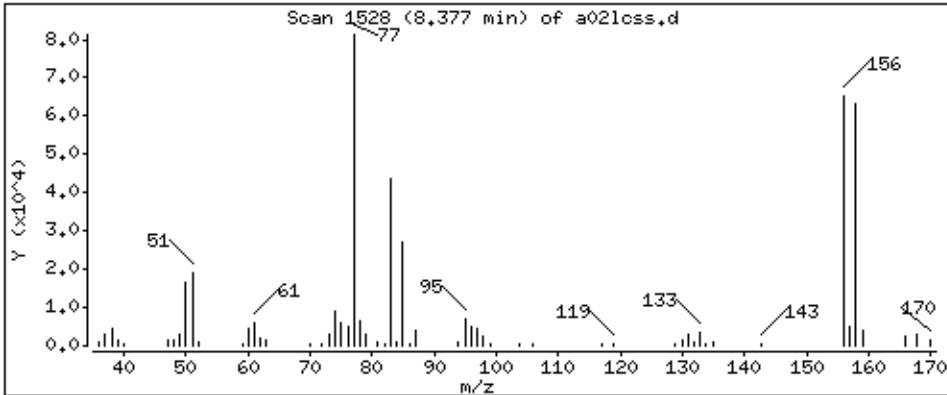
Operator: grm

Column phase: DB-624

Column diameter: 0,18

78 1,1,2,2-Tetrachloroethane

Concentration: 46,0 ppb



Date : 02-JUL-2014 11:52

Client ID: LCSs,71089;5

Instrument: 50mv1a.i

Sample Info: 1122142,71089;5

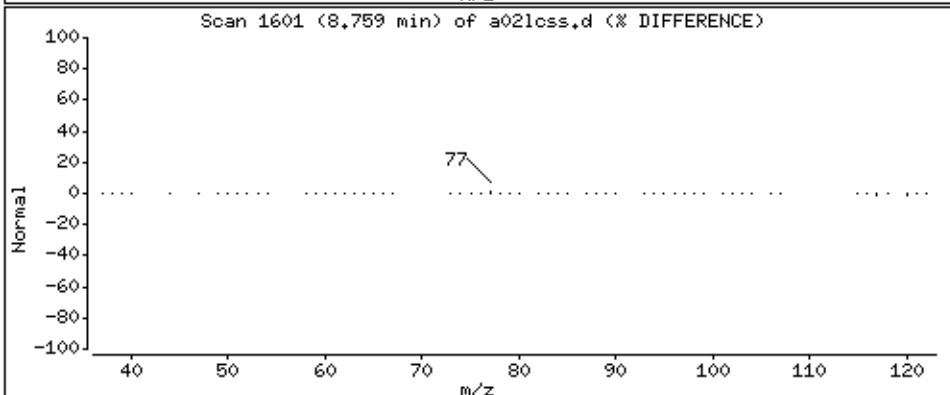
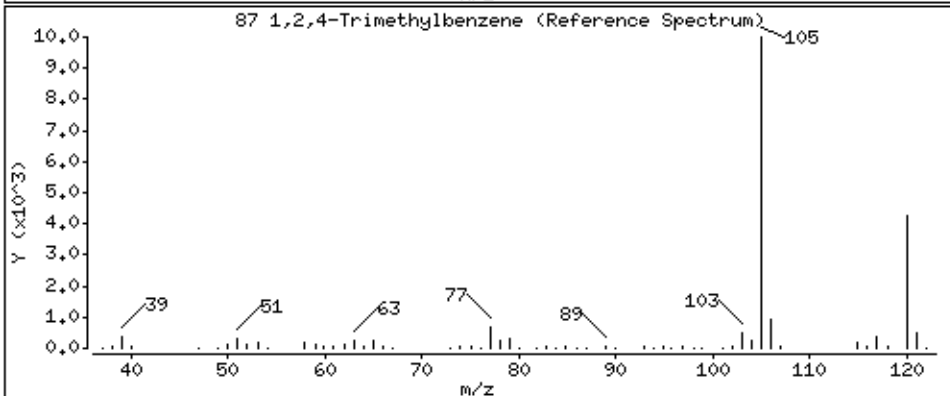
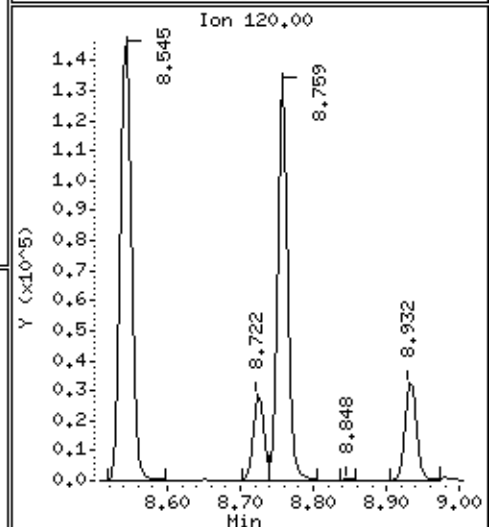
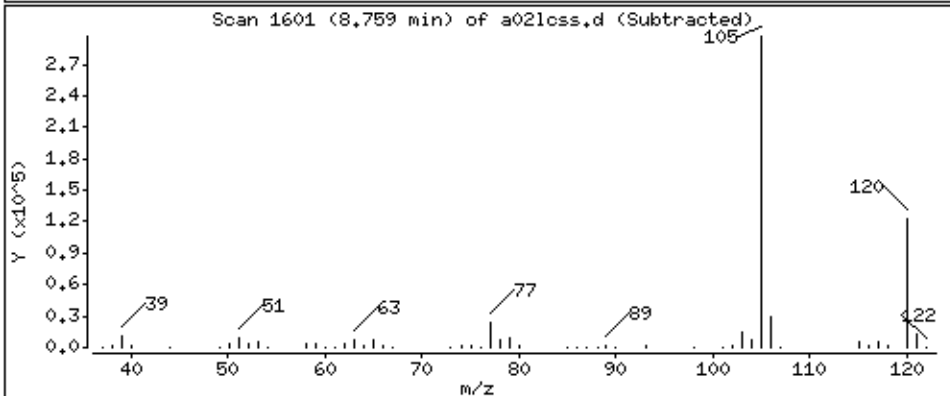
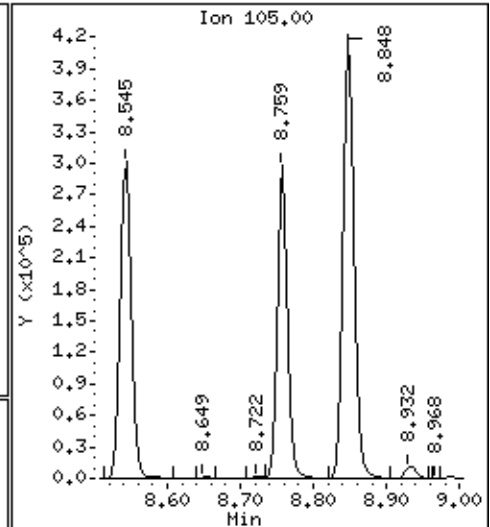
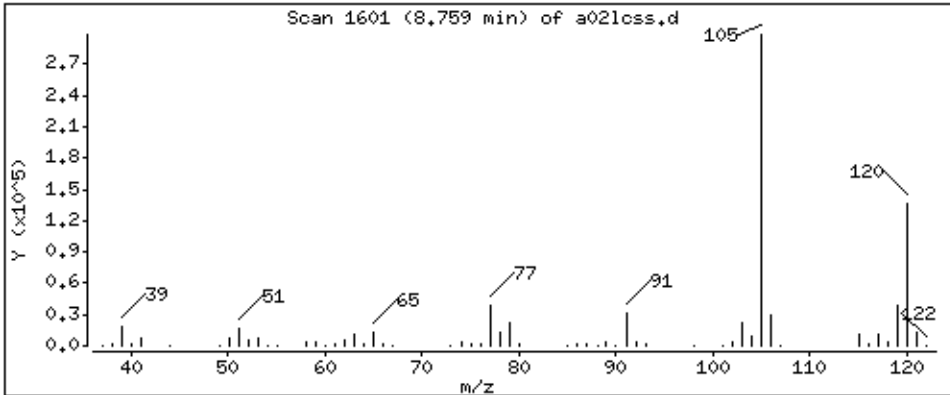
Operator: grm

Column phase: DB-624

Column diameter: 0,18

87 1,2,4-Trimethylbenzene

Concentration: 46,5 ppb



Date : 02-JUL-2014 11:52

Client ID: LCSs,71089;5

Instrument: 50mv1a.i

Sample Info: 1122142,71089;5

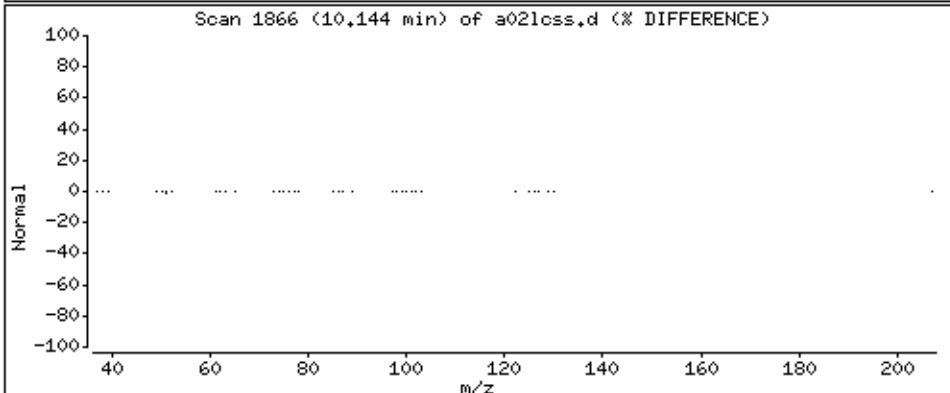
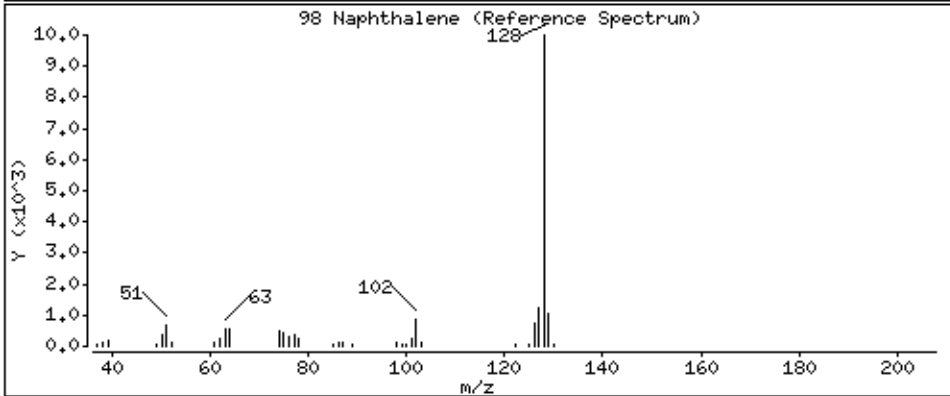
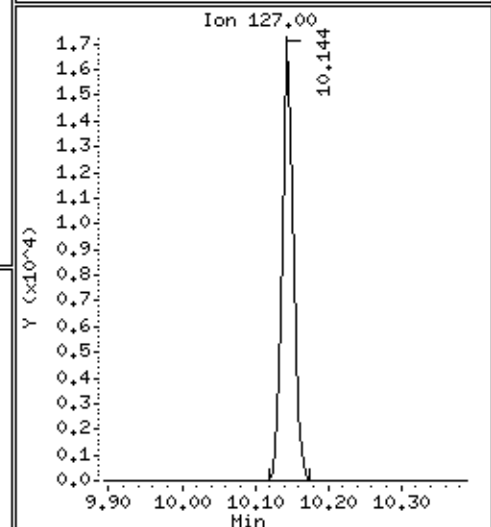
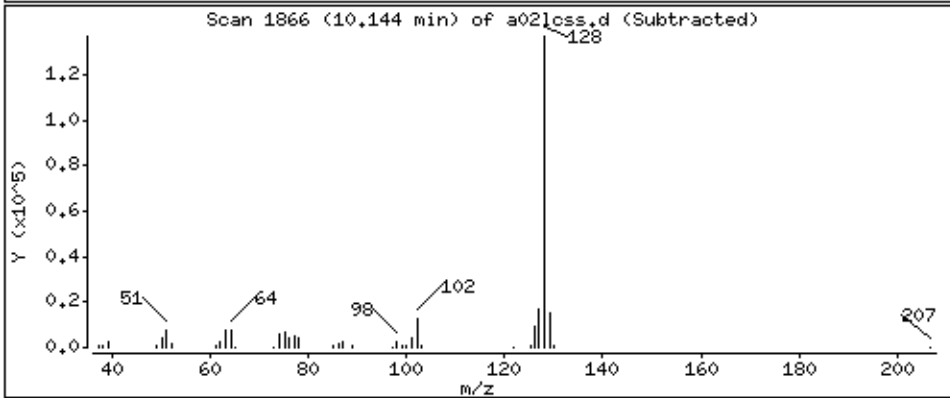
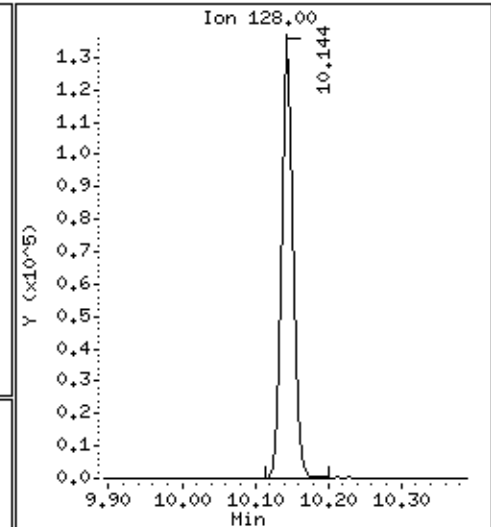
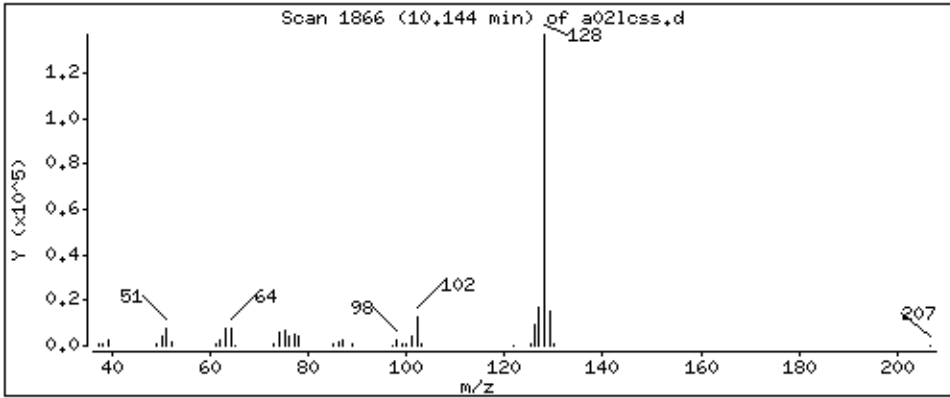
Operator: grm

Column phase: DB-624

Column diameter: 0,18

98 Naphthalene

Concentration: 49,4 ppb



Data File: \\192.168.50.6\chem\50mv1a.i\a070214.b/a021css.d
Injection Date: 02-JUL-2014 11:52
Instrument: 50mv1a.i
Lab Sample ID: 1122142,71089:5
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: 07/03/2014 00:12
 Date Analyzed: 07/03/2014 00:12
 Initial wt/vol: 5 g Final wt/vol: 5 mL Dilution: 1

Contract: Sibley - Accucast
 Matrix: Solid SDG No.: 5099627
 Lab Sample ID: 1122275
 Lab File ID: A070214.B\C03LCSSX.D
 Instrument: 50MV1A Percent Moisture: _____

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
71-43-2	Benzene	46.4	
108-90-7	Chlorobenzene	44.1	
67-66-3	Chloroform	40.0	
75-35-4	1,1-Dichloroethene	44.4	
78-87-5	1,2-Dichloropropane	43.6	
100-41-4	Ethylbenzene	45.5	
98-82-8	Isopropylbenzene (Cumene)	45.4	
1634-04-4	Methyl-tert-butyl ether	87.0	
91-20-3	Naphthalene	48.9	
79-34-5	1,1,2,2-Tetrachloroethane	45.3	
127-18-4	Tetrachloroethene	42.1	
108-88-3	Toluene	44.5	
71-55-6	1,1,1-Trichloroethane	38.6	
79-01-6	Trichloroethene	42.8	
95-63-6	1,2,4-Trimethylbenzene	47.2	
75-01-4	Vinyl chloride	50.3	
1330-20-7	Xylene (Total)	138	

Pace Analytical Services, Inc.

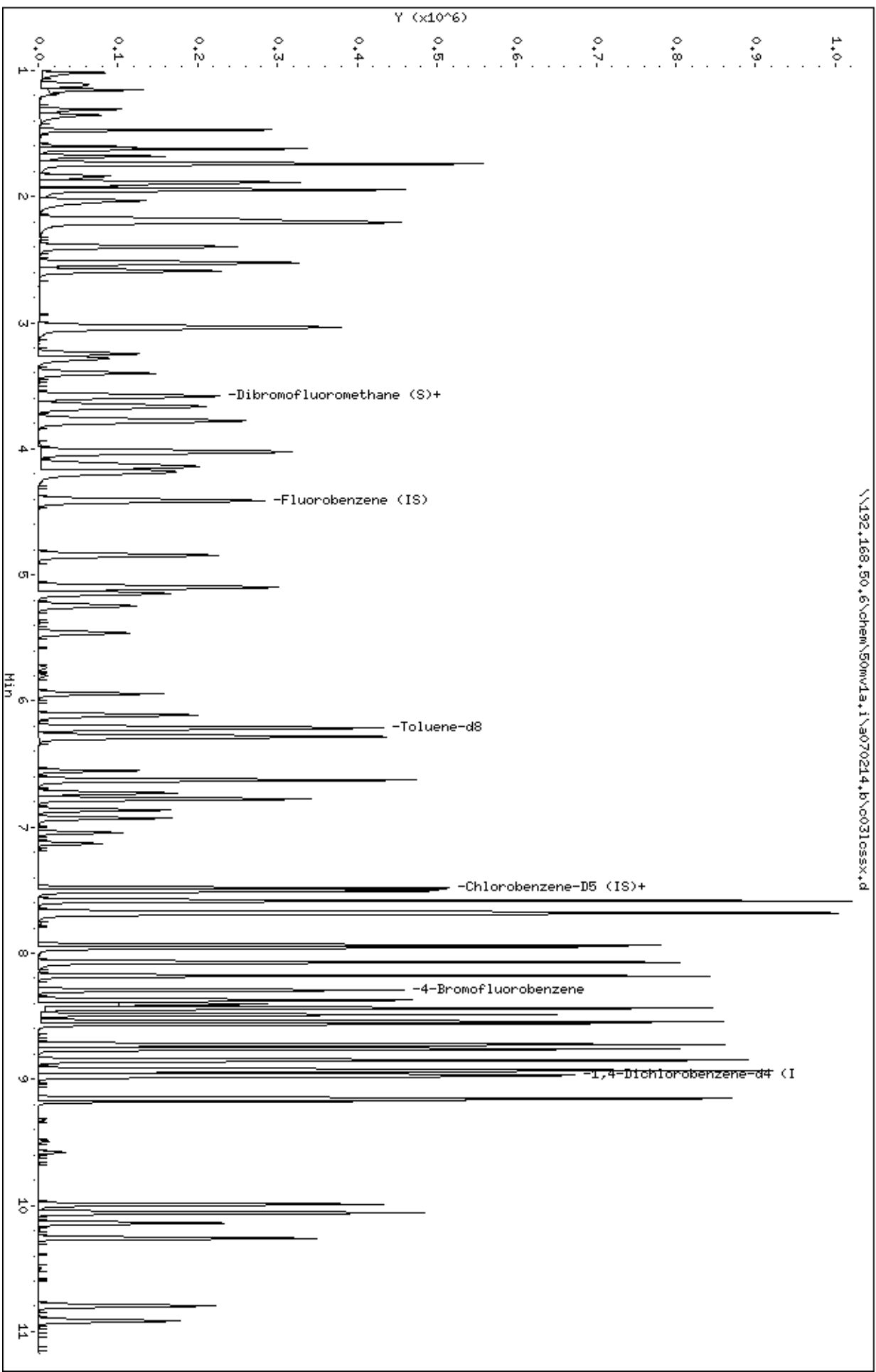
Data file : \\192.168.50.6\chem\50mv1a.i\070214.b\c03lcssx.d
 Lab Smp Id: 1122275,71089:5 Client Smp ID: LCSs,71089:5
 Inj Date : 03-JUL-2014 00:12
 Operator : grm Inst ID: 50mv1a.i
 Smp Info : 1122275,71089:5
 Misc Info : 66438
 Comment :
 Method : \\192.168.50.6\chem\50mv1a.i\070214.b\8260_a_c.m
 Meth Date : 03-Jul-2014 14:04 50mv1a.i Quant Type: ISTD
 Cal Date : 19-JUN-2014 17:44 Cal File: a08cal.d
 Als bottle: 49 QC Sample: LCS
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: 8260ss.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
3 Vinyl Chloride	62		50.3274	50.3		1.152	1.151	(0.261)	93041	
11 1,1-Dichloroethene	96		44.3849	44.4		1.742	1.742	(0.395)	65575	
21 Methyl-tert-butyl ether	73		86.9971	87.0		2.192	2.197	(0.497)	224707	
35 Chloroform	83		39.9723	40.0		3.400	3.399	(0.771)	119977	
37 1,1,1-Trichloroethane	97		38.5896	38.6		3.583	3.582	(0.813)	98897	
\$ 38 Dibromofluoromethane (S)	113		45.8702	45.9		3.583	3.582	(0.813)	59160	
42 Benzene	78		46.4170	46.4		4.027	4.027	(0.913)	278500	
* 46 Fluorobenzene (IS)	96		50.0000			4.409	4.408	(1.000)	267990	
47 Trichloroethene	95		42.8108	42.8		4.843	4.842	(1.098)	76209	
49 1,2-Dichloropropane	63		43.6276	43.6		5.146	5.145	(1.167)	56509	
\$ 57 Toluene-d8	98		49.6291	49.6		6.212	6.212	(0.830)	267265	
58 Toluene	91		44.4743	44.5		6.286	6.285	(0.839)	302705	
62 Tetrachloroethene	166		42.1260	42.1		6.777	6.777	(0.905)	87603	
* 67 Chlorobenzene-D5 (IS)	117		50.0000			7.488	7.488	(1.000)	204236	
68 Chlorobenzene	112		44.0572	44.0		7.509	7.508	(1.003)	186479	
70 Ethylbenzene	106		45.4999	45.5		7.582	7.582	(1.013)	108993	
71 m&p-Xylene	106		89.2987	89.3		7.681	7.681	(1.026)	263045	
72 o-Xylene	106		48.9423	48.9		7.938	7.937	(1.060)	133648	
75 Isopropylbenzene	105		45.4085	45.4		8.178	8.178	(1.092)	372874	
\$ 76 4-Bromofluorobenzene	95		46.6028	46.6		8.293	8.293	(1.107)	101794	
78 1,1,2,2-Tetrachloroethane	83		45.2908	45.3		8.382	8.381	(0.935)	44250	

Compounds	QUANT SIG	CONCENTRATIONS						REVIEW C
		MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ppb)	
=====	=====	=====	=====	=====	=====	=====	=====	=====
87 1,2,4-Trimethylbenzene	105	8.758	8.758	(0.977)	297920	47.1721	47.2	
* 91 1,4-Dichlorobenzene-d4 (IS)	152	8.968	8.967	(1.000)	105669	50.0000		
98 Naphthalene	128	10.144	10.143	(1.131)	149556	48.9238	48.9	



Date : 03-JUL-2014 00:12

Client ID: LCSs,71089;5

Instrument: 50mv1a.i

Sample Info: 1122275,71089;5

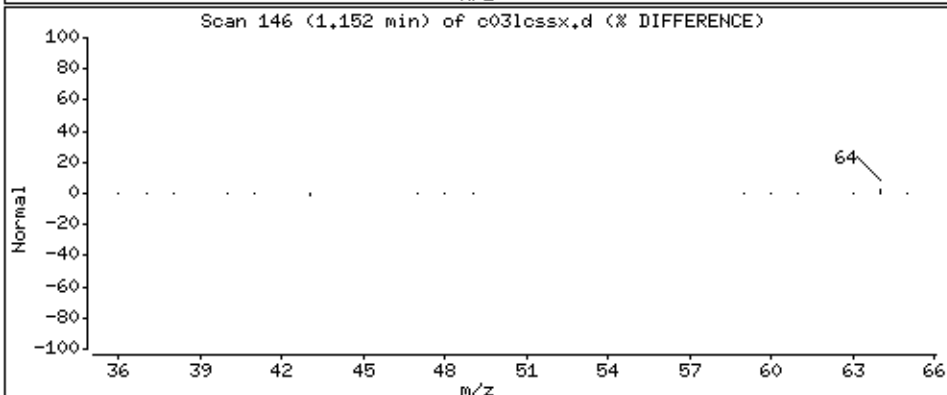
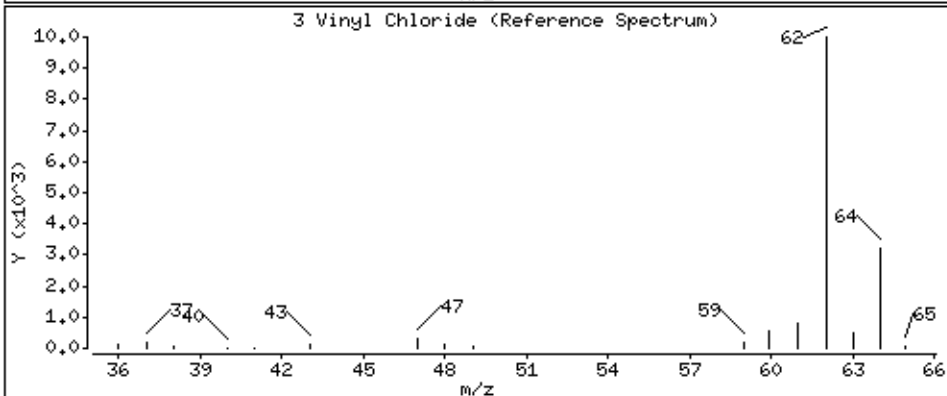
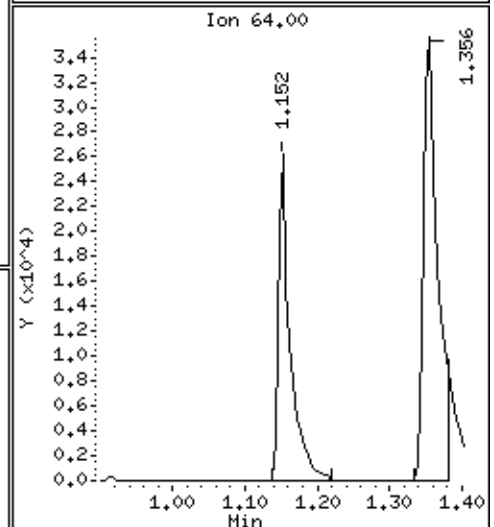
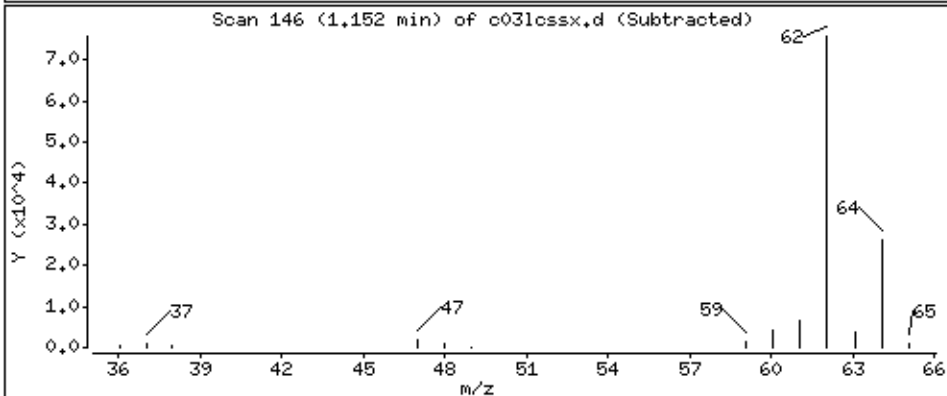
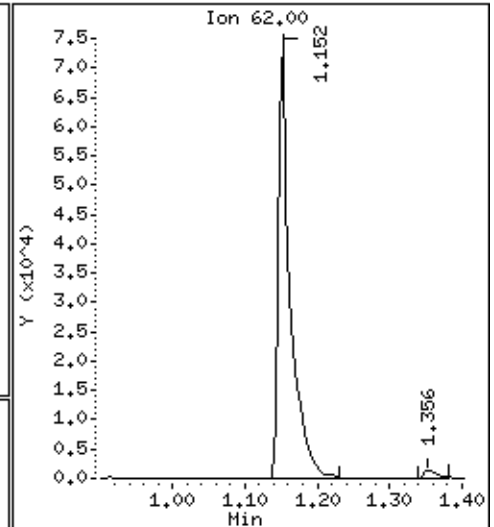
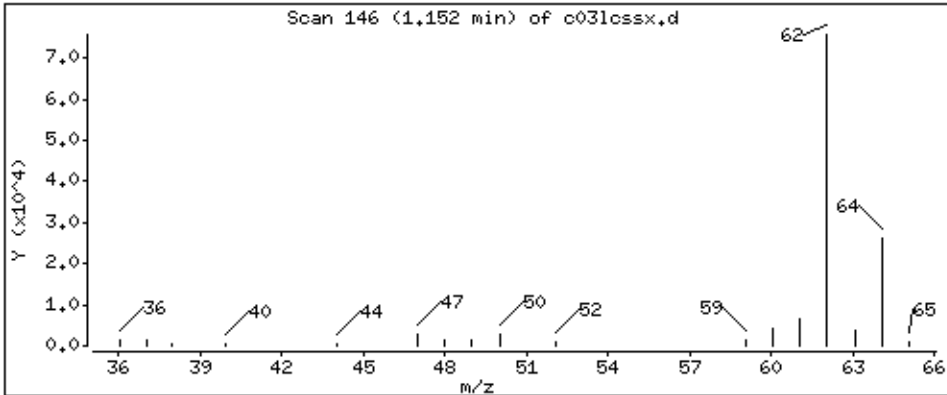
Operator: grm

Column phase: DB-624

Column diameter: 0,18

3 Vinyl Chloride

Concentration: 50,3 ppb



Date : 03-JUL-2014 00:12

Client ID: LCSs,71089;5

Instrument: 50mv1a.i

Sample Info: 1122275,71089;5

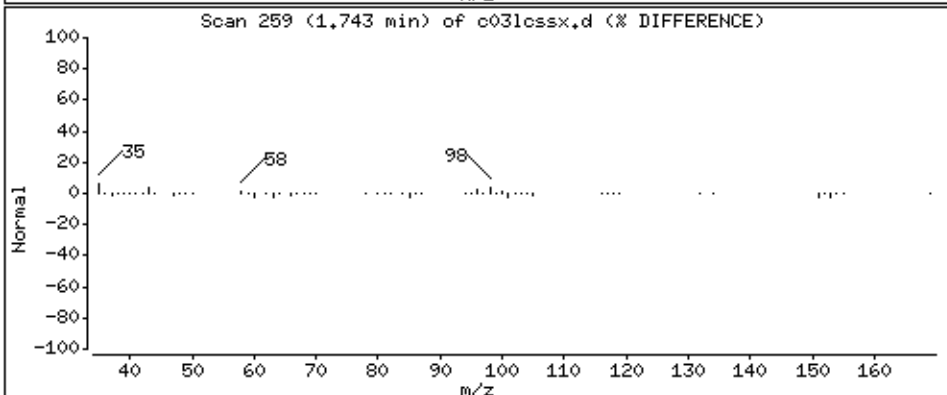
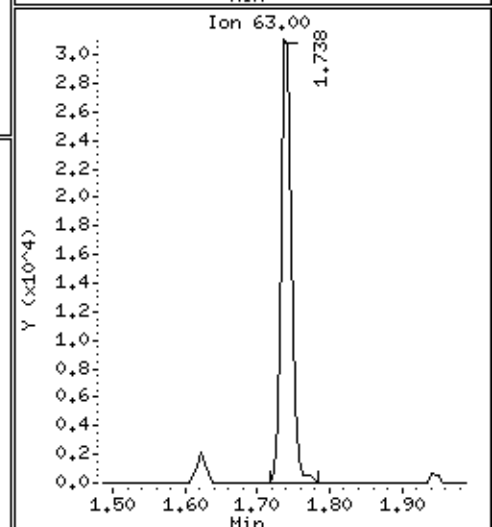
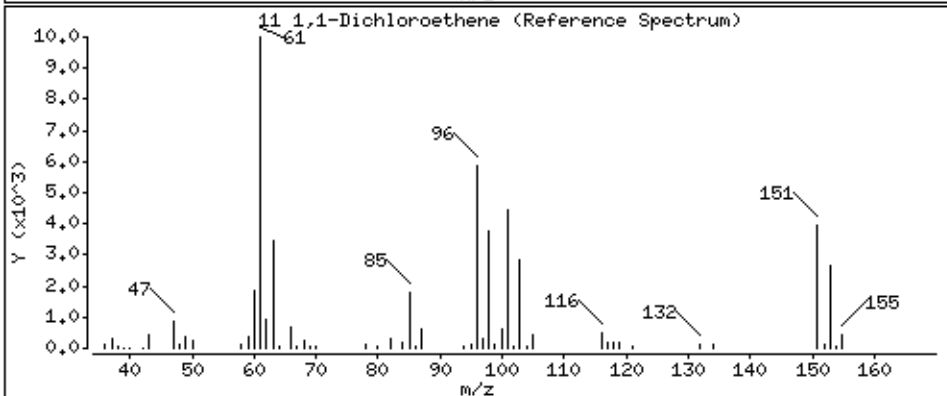
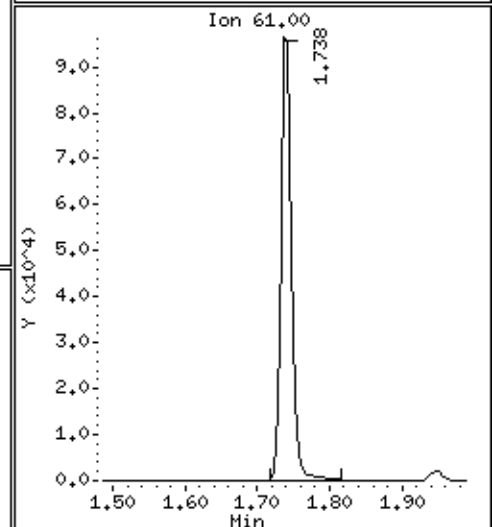
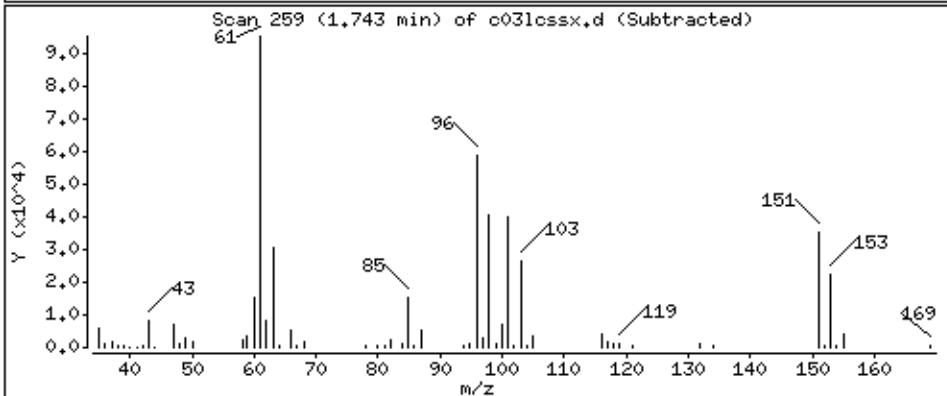
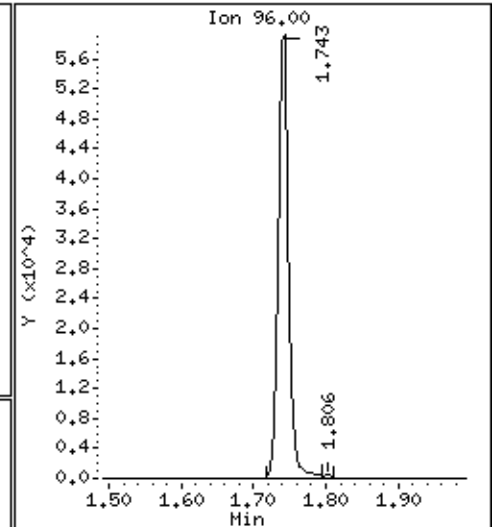
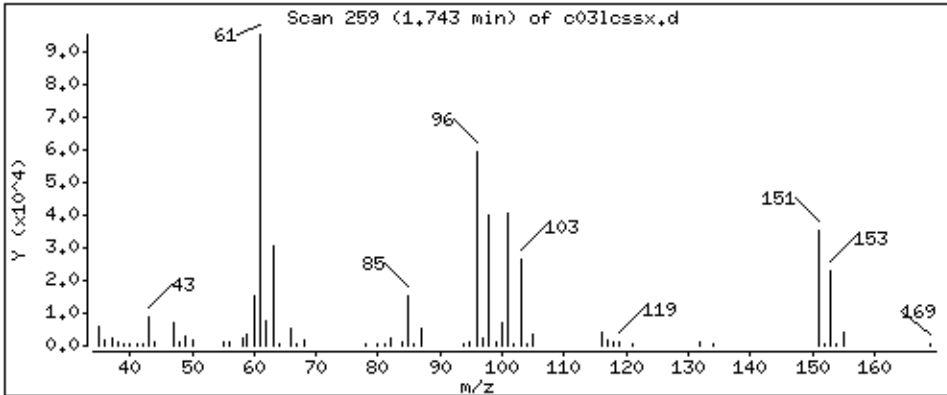
Operator: grm

Column phase: DB-624

Column diameter: 0,18

11 1,1-Dichloroethene

Concentration: 44,4 ppb



Date : 03-JUL-2014 00:12

Client ID: LCSs,71089;5

Instrument: 50mv1a.i

Sample Info: 1122275,71089;5

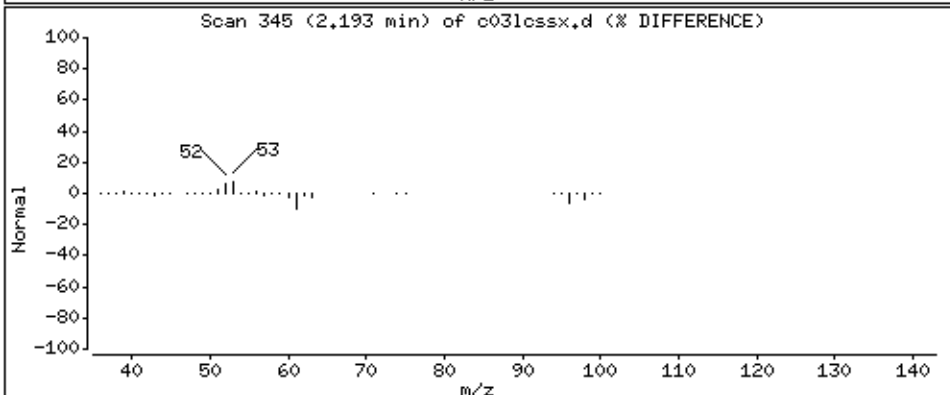
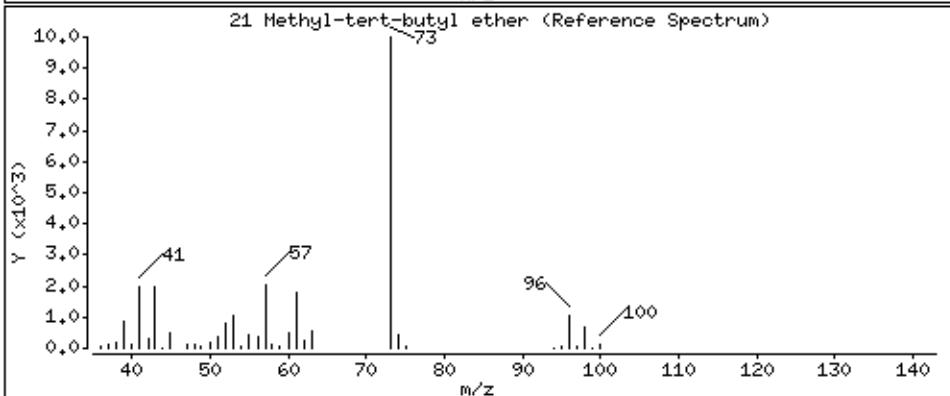
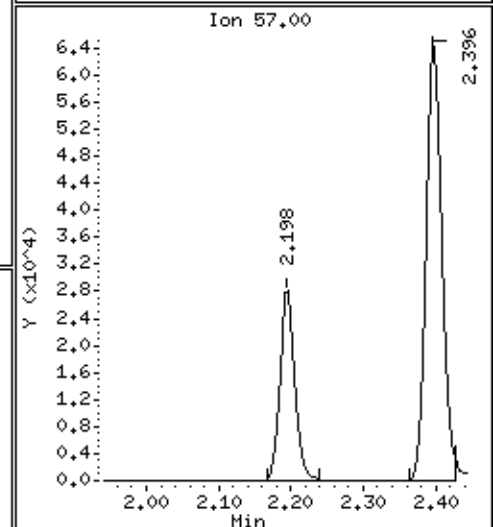
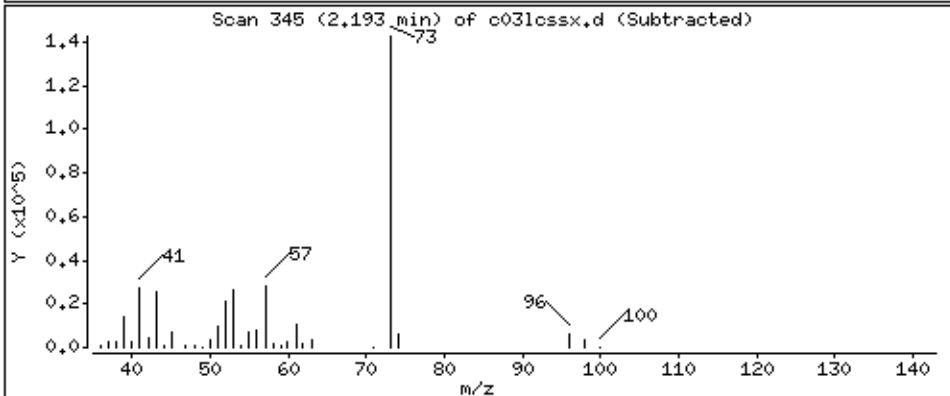
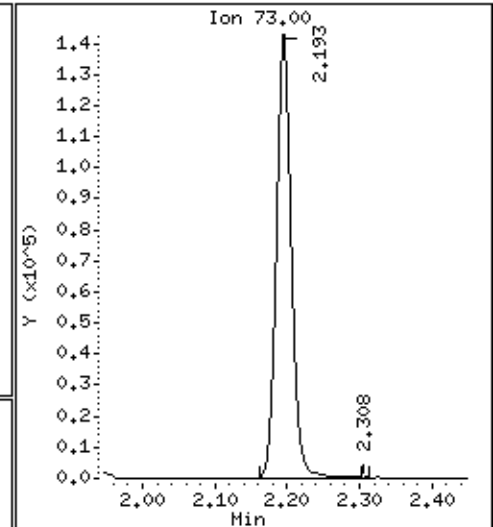
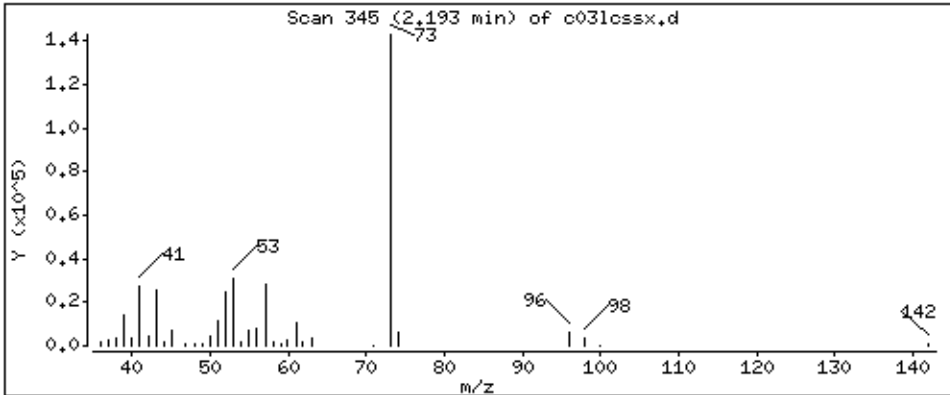
Operator: grm

Column phase: DB-624

Column diameter: 0,18

21 Methyl-tert-butyl ether

Concentration: 87,0 ppb



Date : 03-JUL-2014 00:12

Client ID: LCSs,71089;5

Instrument: 50mv1a.i

Sample Info: 1122275,71089;5

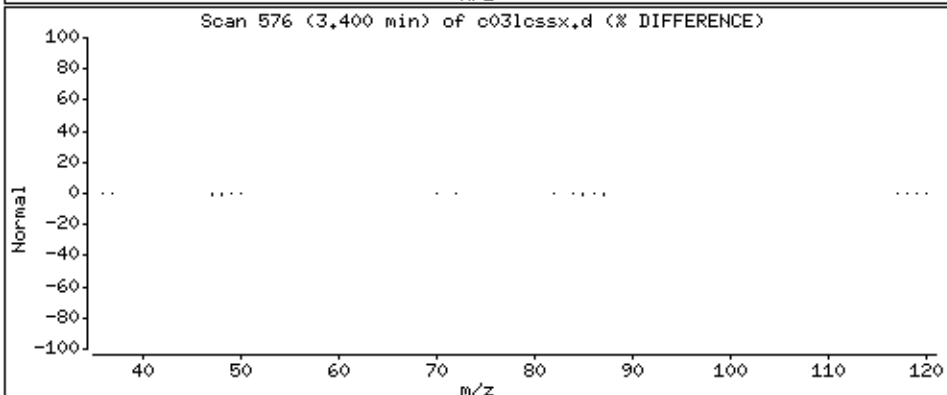
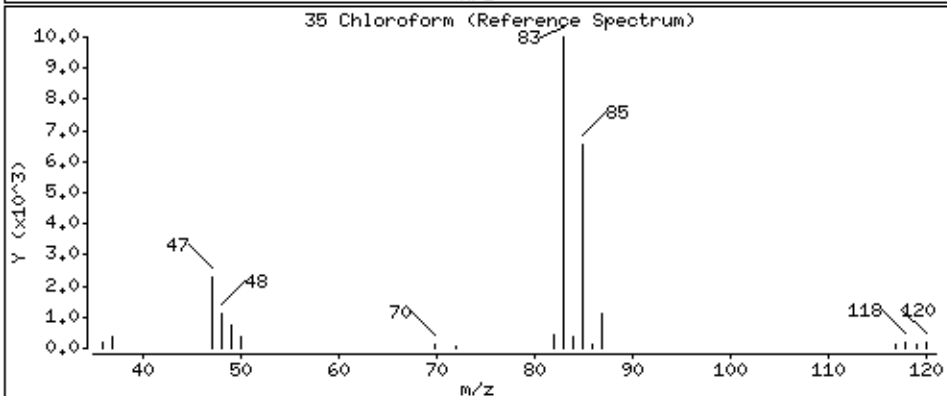
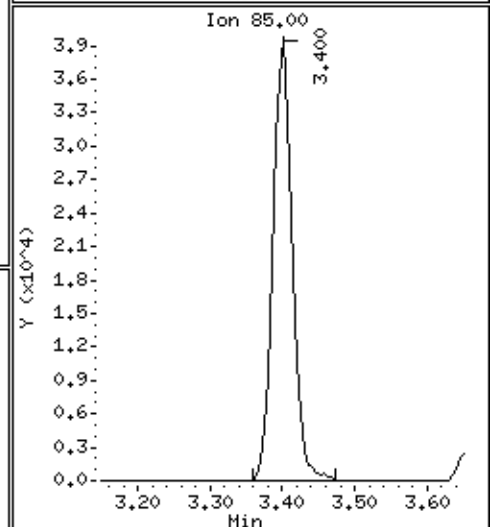
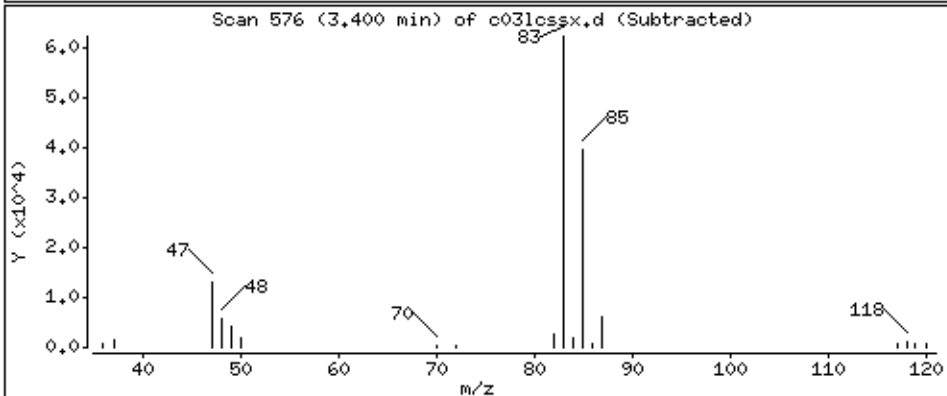
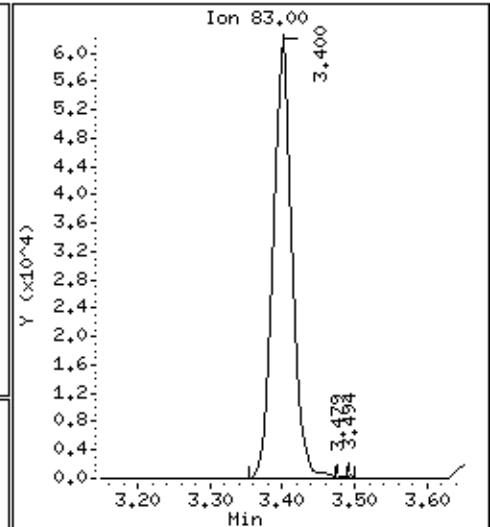
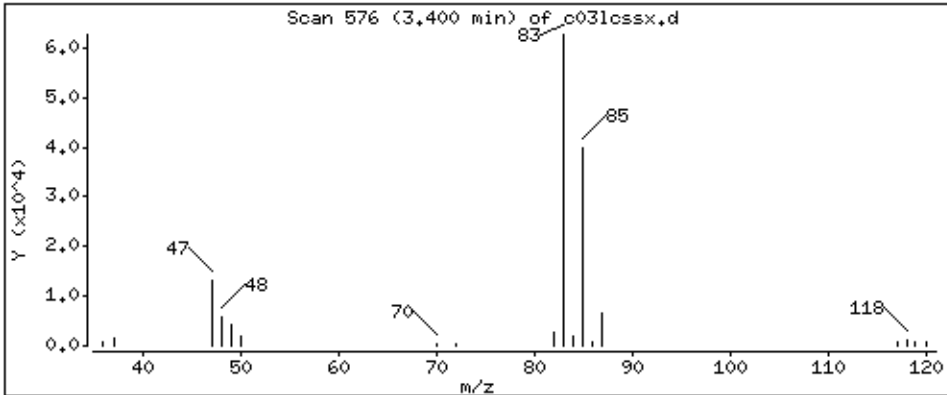
Operator: grm

Column phase: DB-624

Column diameter: 0,18

35 Chloroform

Concentration: 40,0 ppb



Date : 03-JUL-2014 00:12

Client ID: LCSs,71089;5

Instrument: 50mv1a.i

Sample Info: 1122275,71089;5

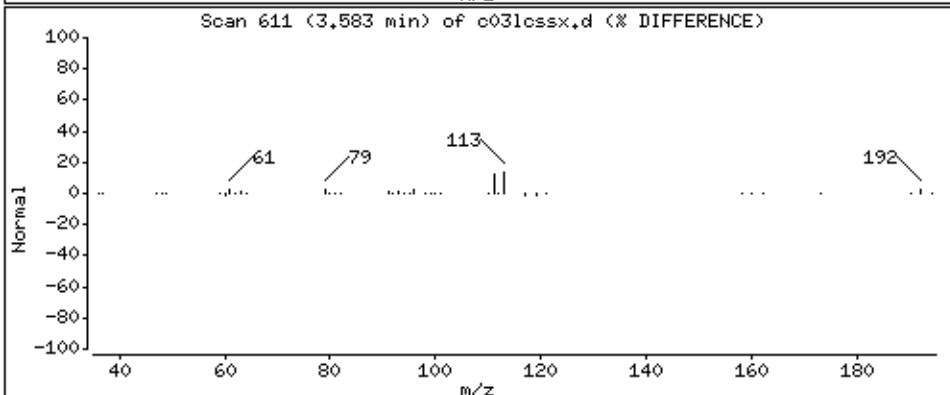
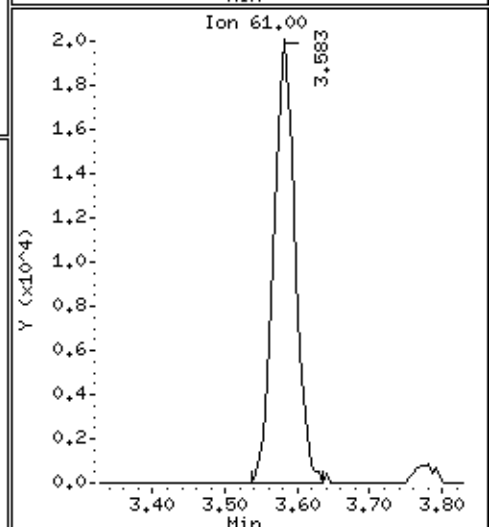
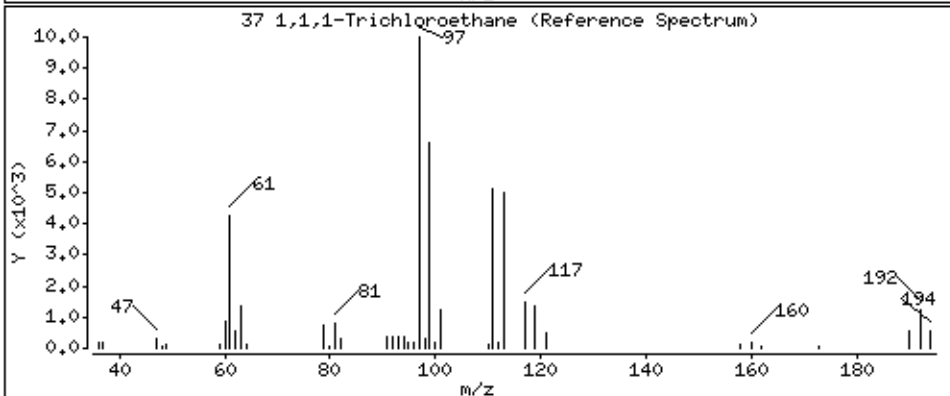
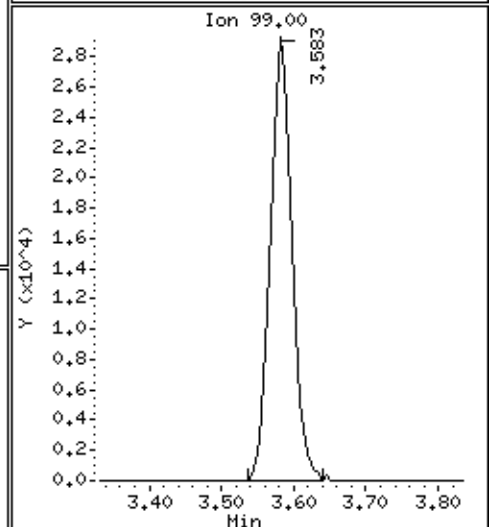
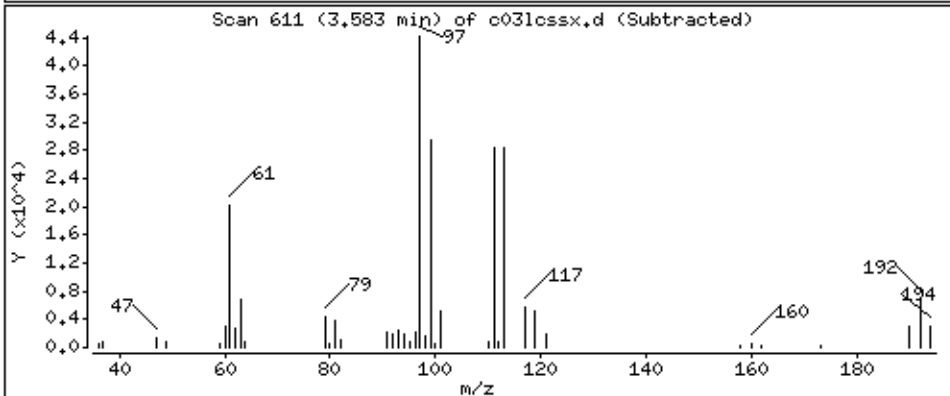
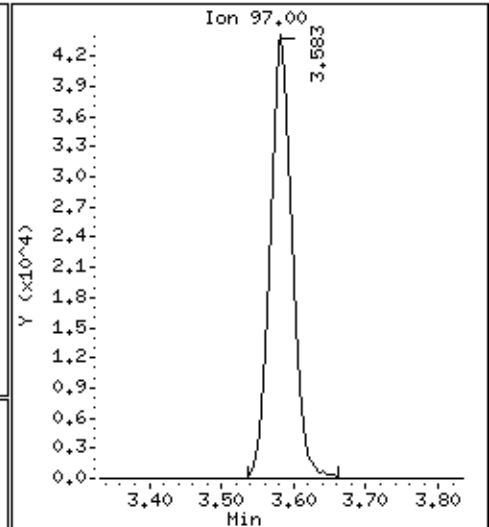
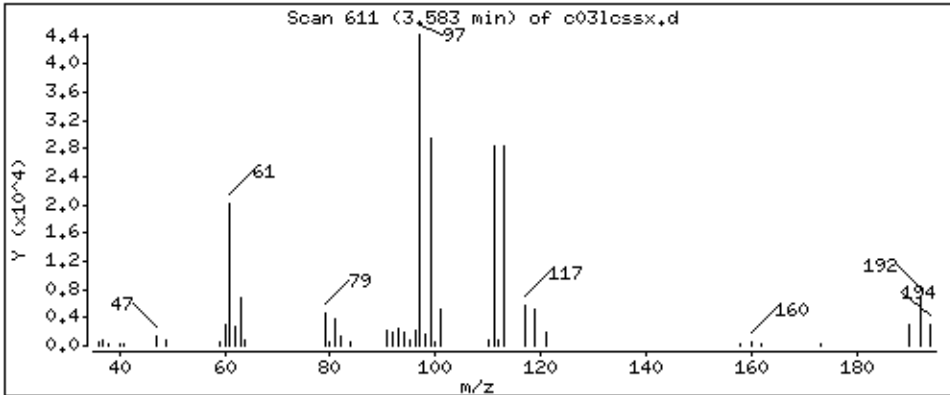
Operator: grm

Column phase: DB-624

Column diameter: 0,18

37 1,1,1-Trichloroethane

Concentration: 38,6 ppb



Date : 03-JUL-2014 00:12

Client ID: LCSs,71089;5

Instrument: 50mv1a.i

Sample Info: 1122275,71089;5

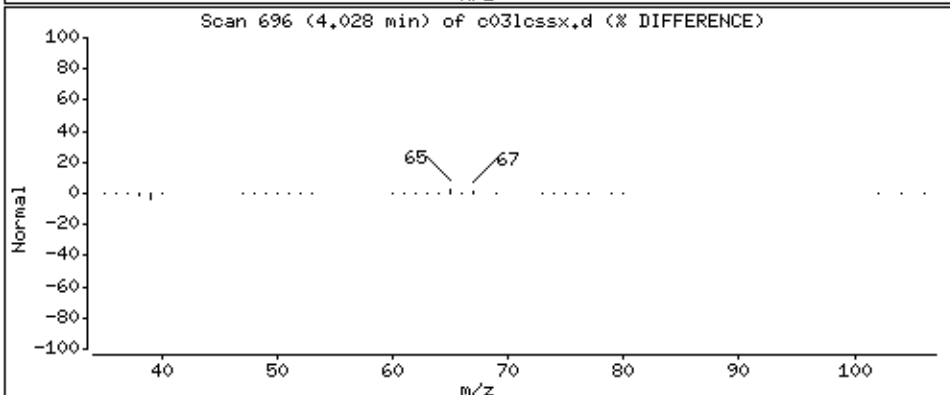
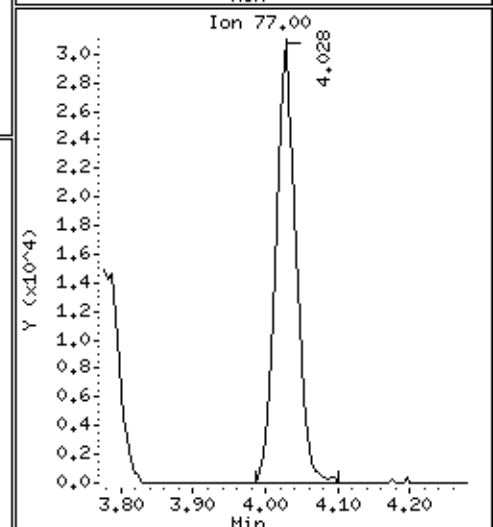
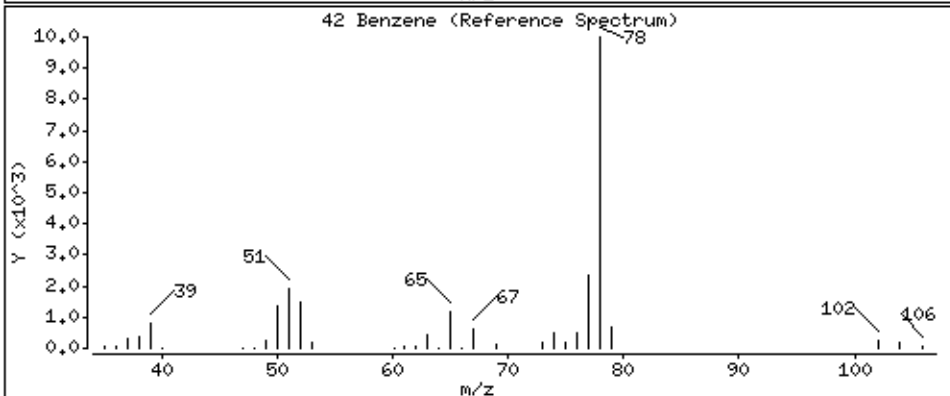
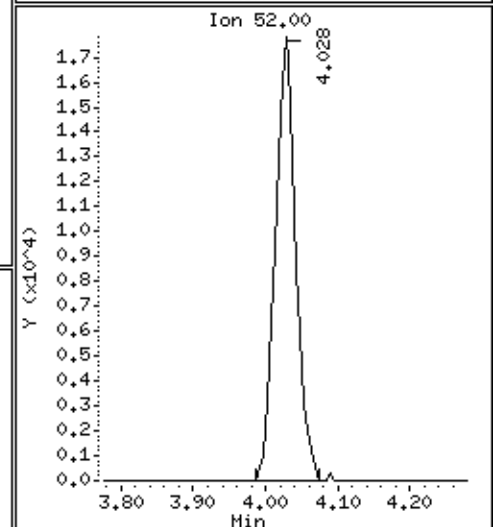
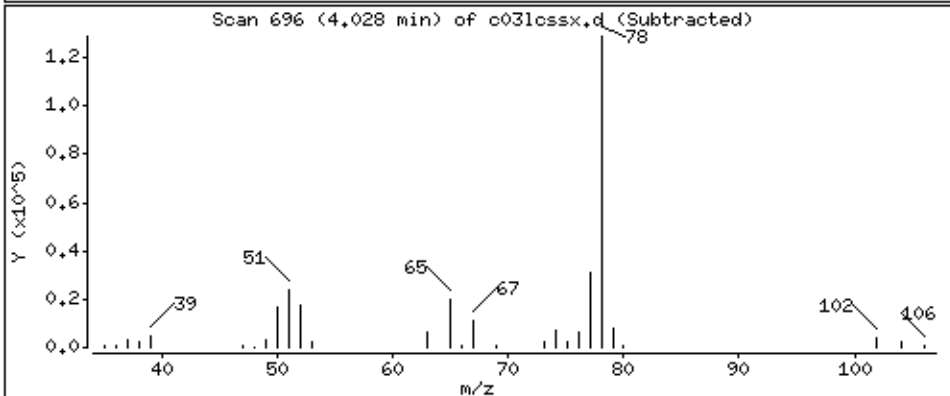
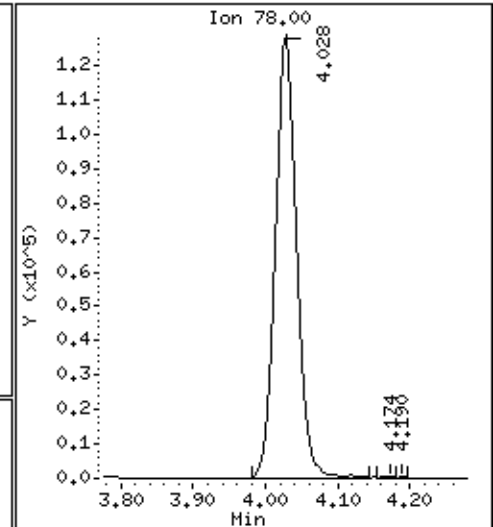
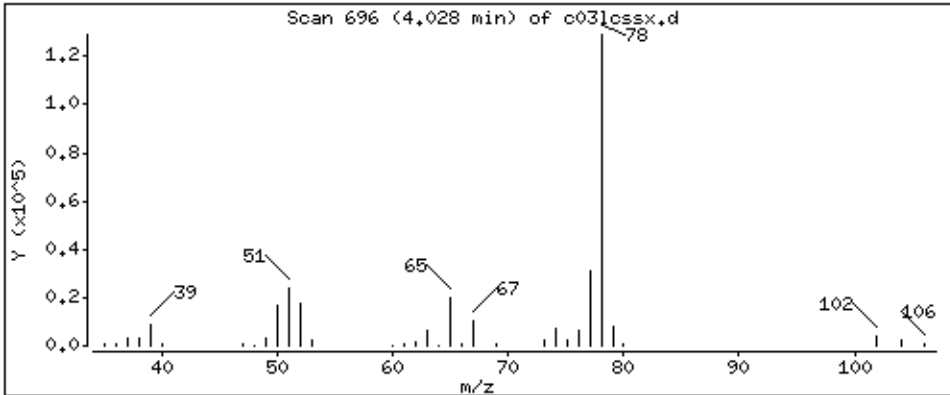
Operator: grm

Column phase: DB-624

Column diameter: 0,18

42 Benzene

Concentration: 46,4 ppb



Date : 03-JUL-2014 00:12

Client ID: LCSs,71089;5

Instrument: 50mv1a.i

Sample Info: 112275,71089;5

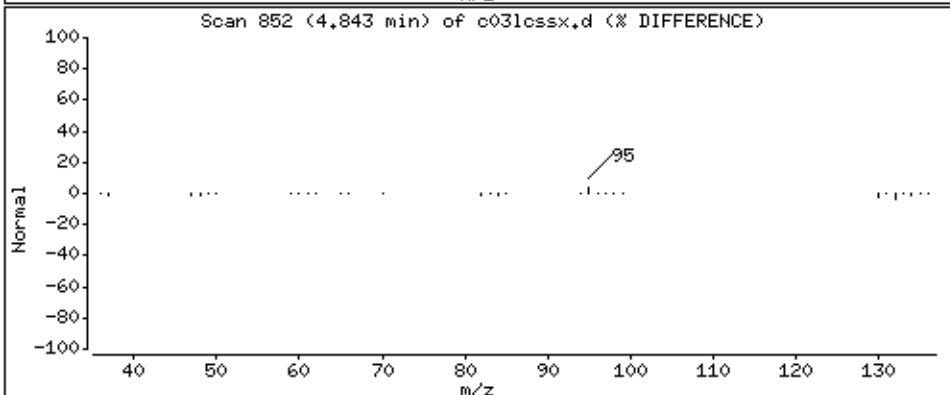
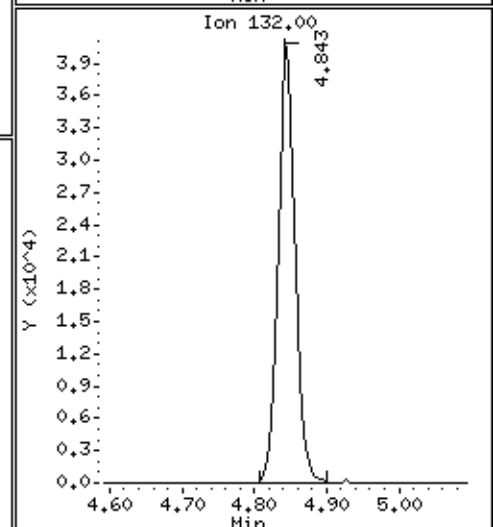
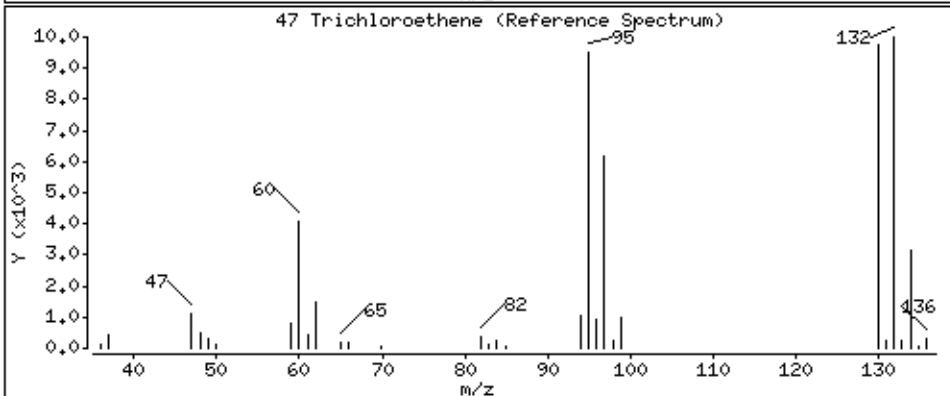
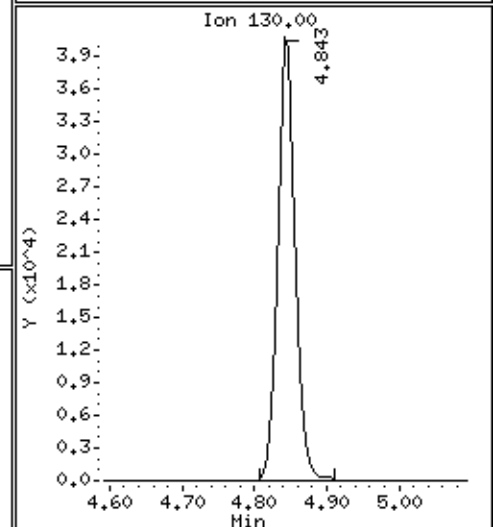
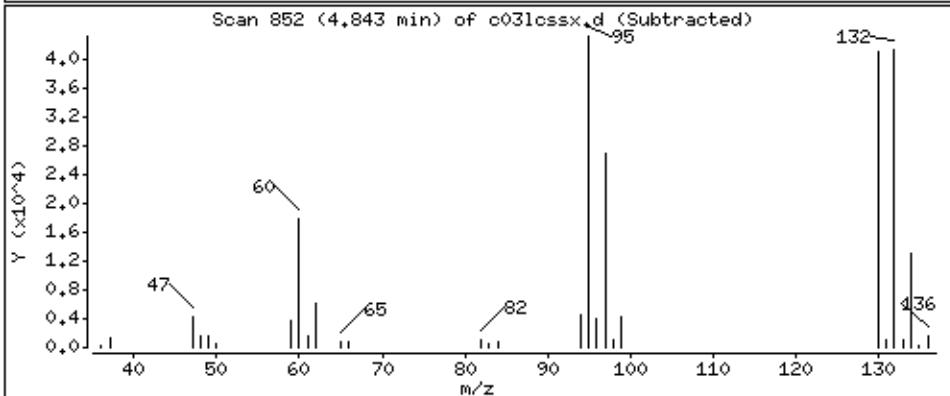
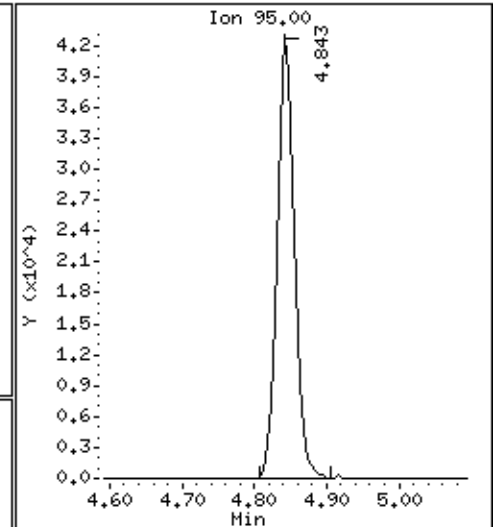
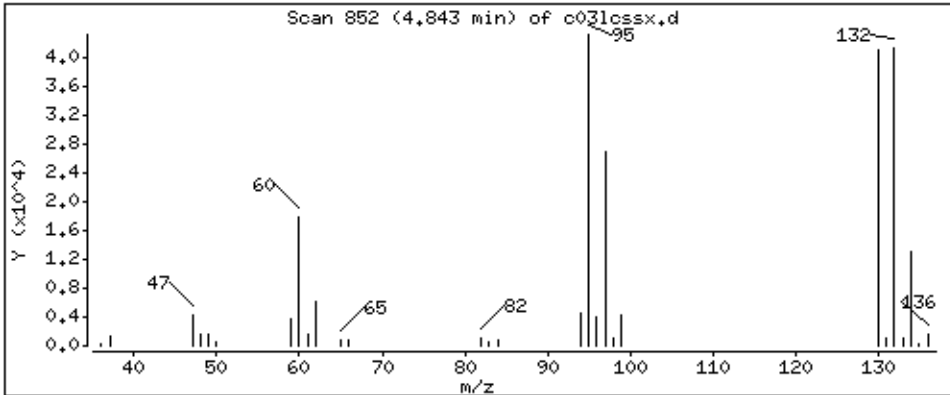
Operator: grm

Column phase: DB-624

Column diameter: 0,18

47 Trichloroethene

Concentration: 42.8 ppb



Date : 03-JUL-2014 00:12

Client ID: LCSs,71089;5

Instrument: 50mv1a.i

Sample Info: 1122275,71089;5

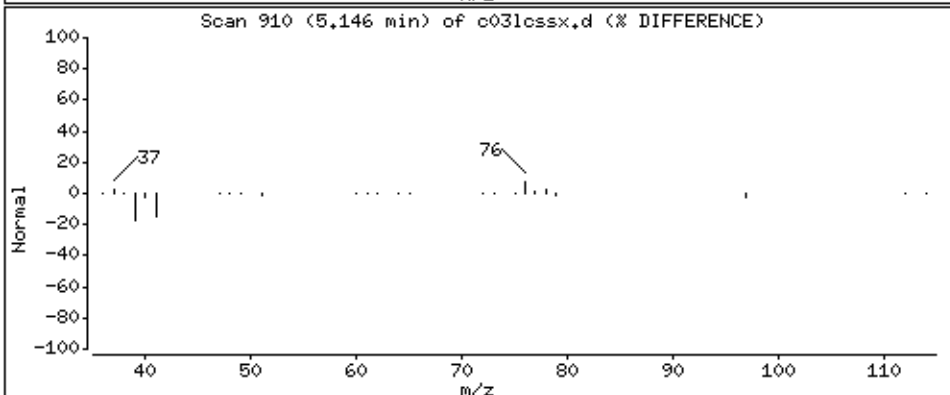
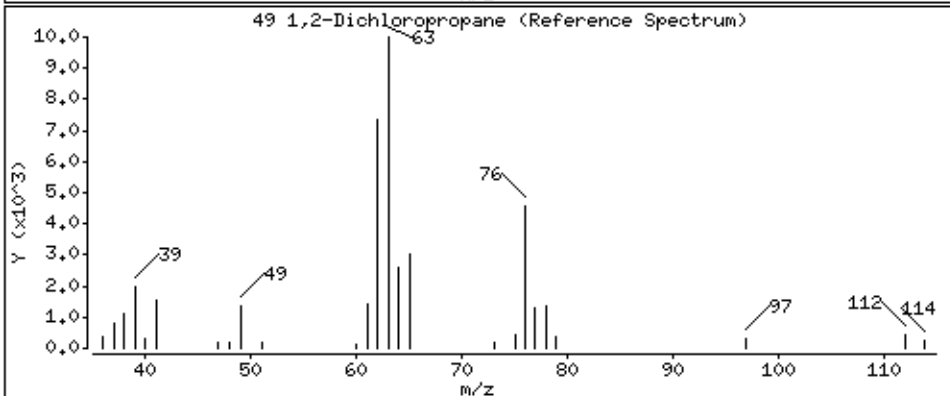
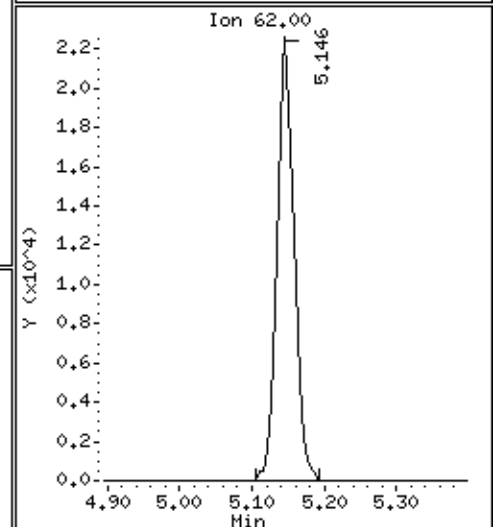
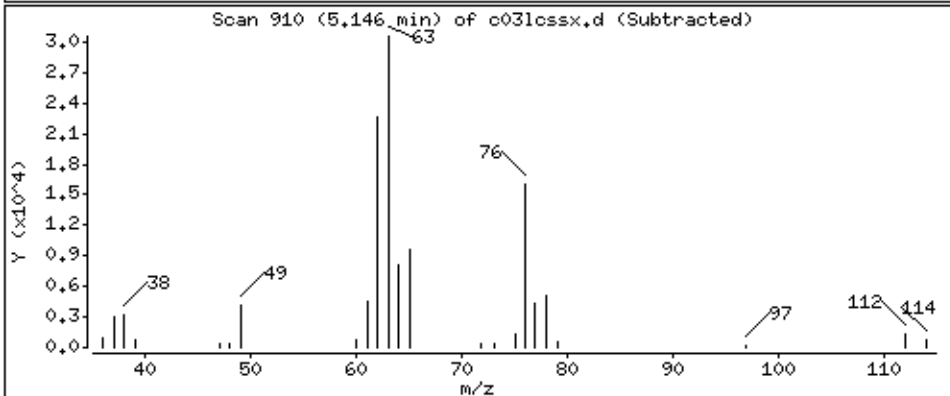
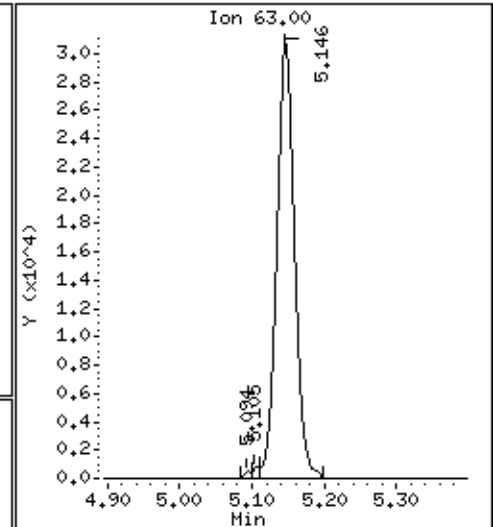
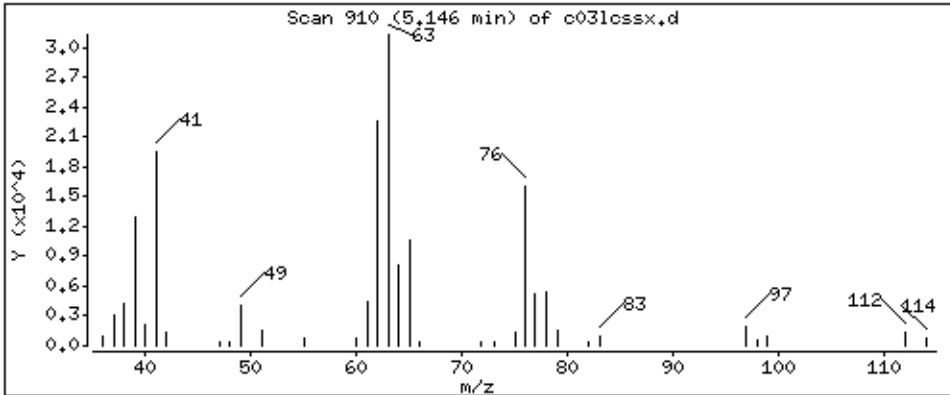
Operator: grm

Column phase: DB-624

Column diameter: 0,18

49 1,2-Dichloropropane

Concentration: 43,6 ppb



Date : 03-JUL-2014 00:12

Client ID: LCSs,71089;5

Instrument: 50mv1a.i

Sample Info: 112275,71089;5

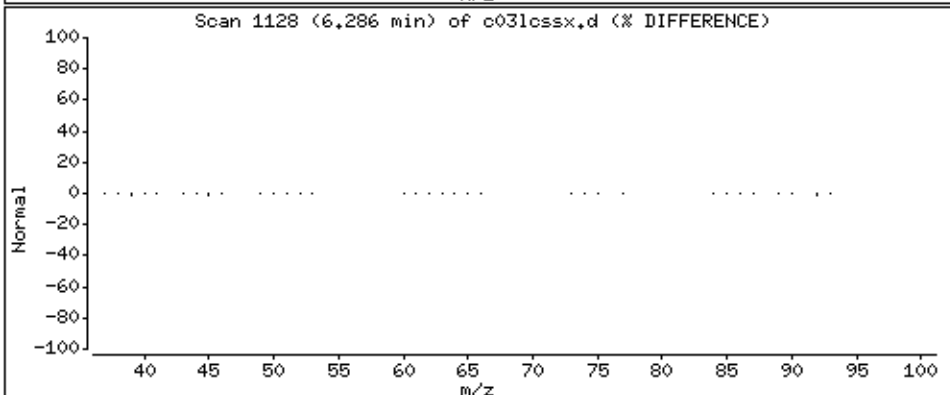
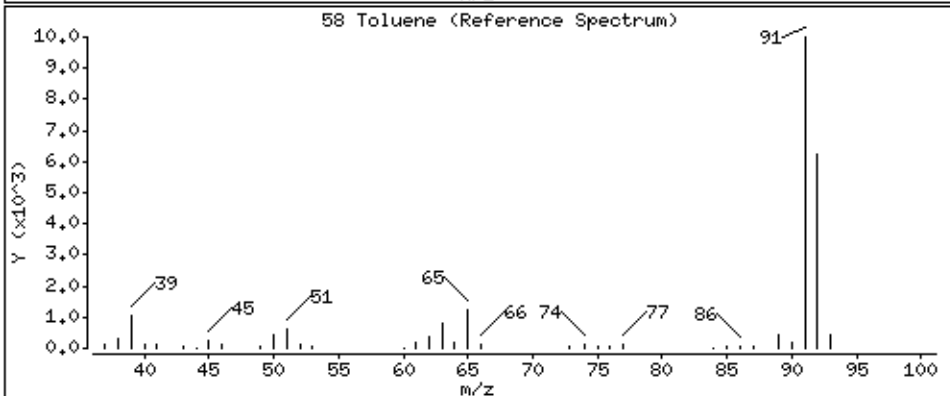
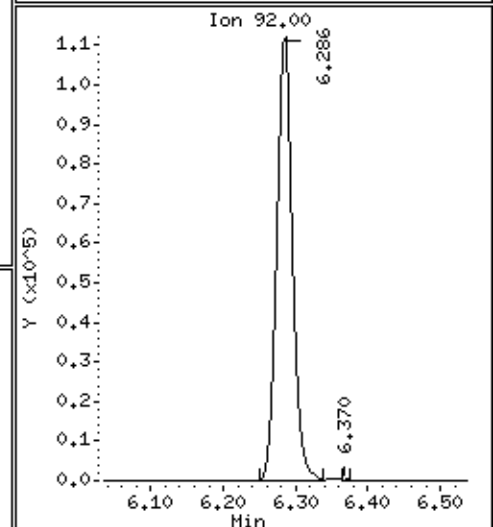
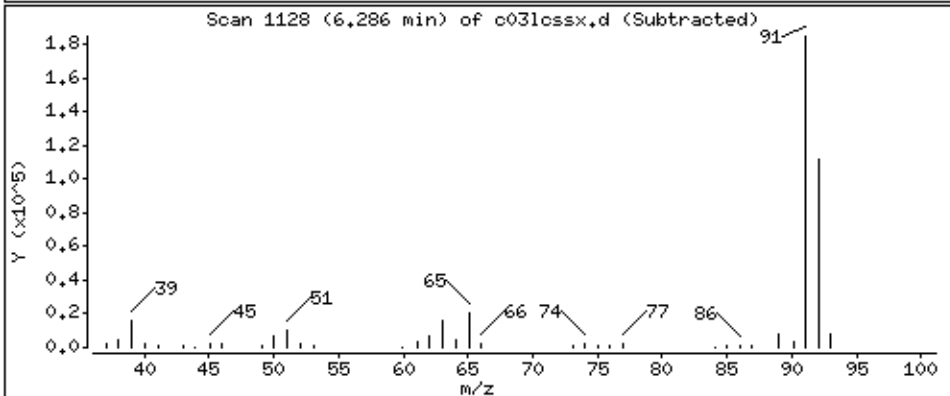
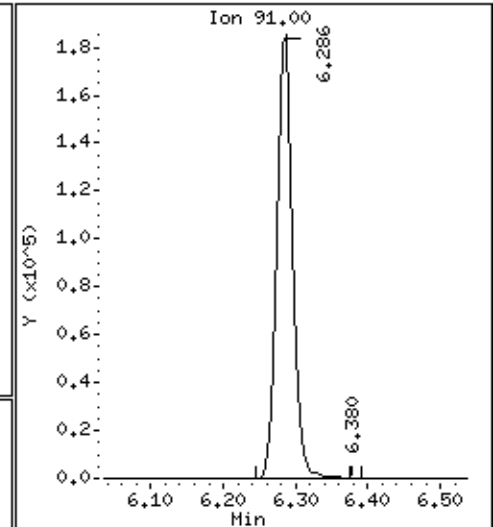
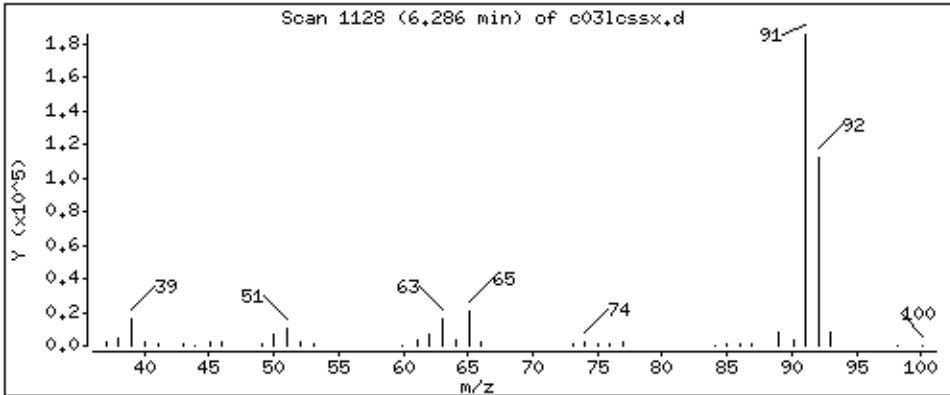
Operator: grm

Column phase: DB-624

Column diameter: 0,18

58 Toluene

Concentration: 44,5 ppb



Date : 03-JUL-2014 00:12

Client ID: LCSs,71089;5

Instrument: 50mv1a.i

Sample Info: 112275,71089;5

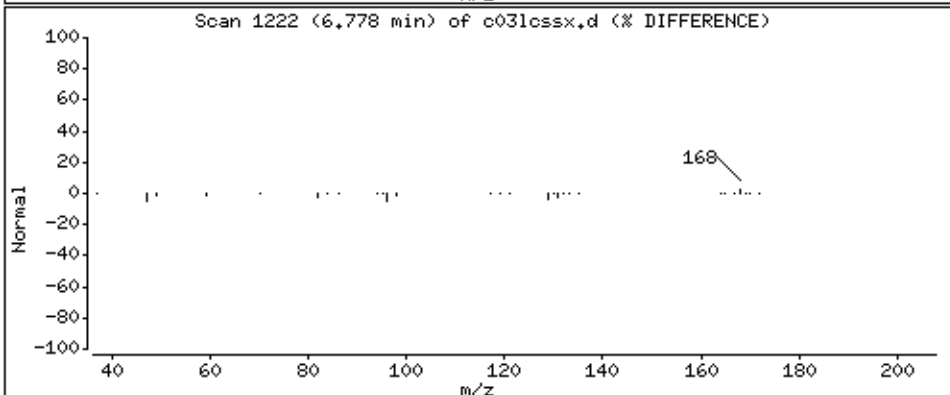
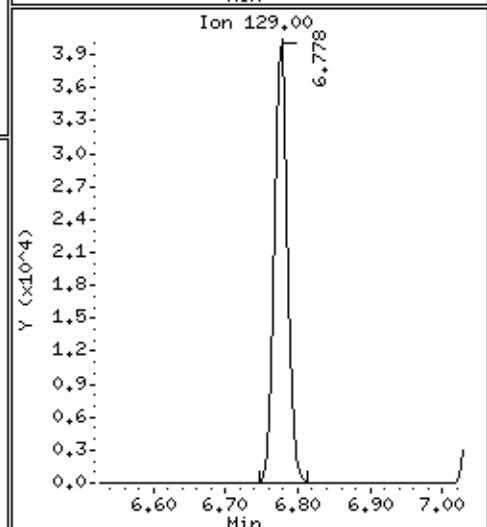
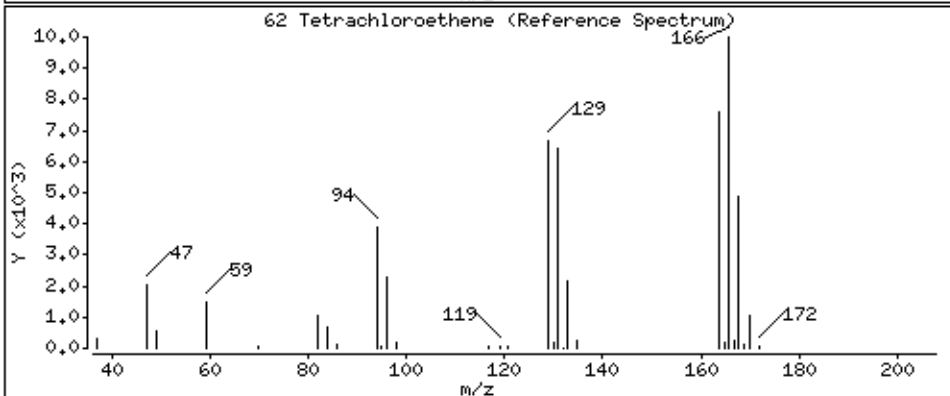
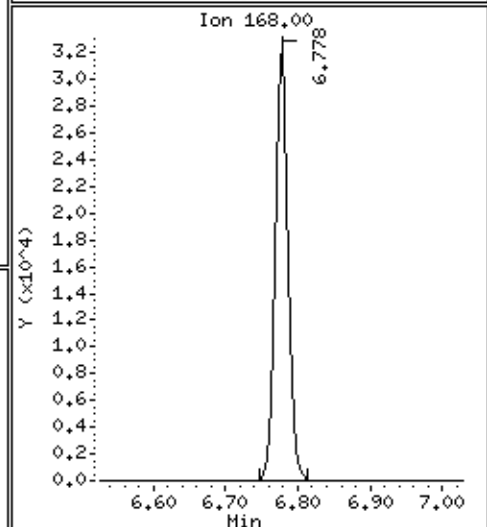
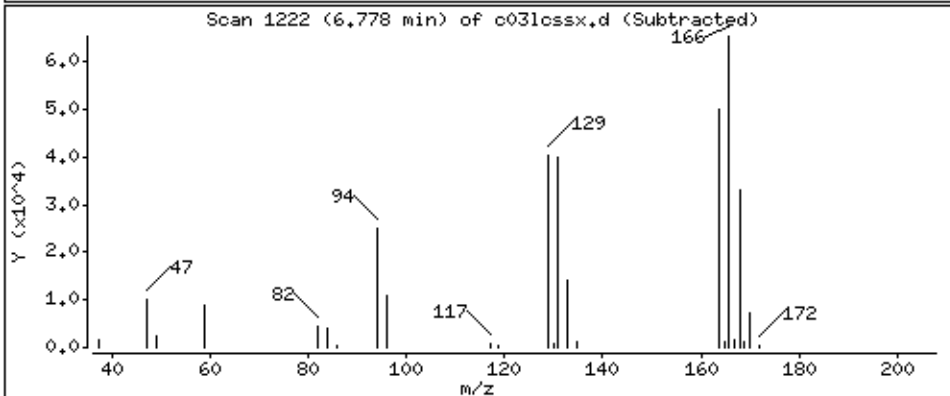
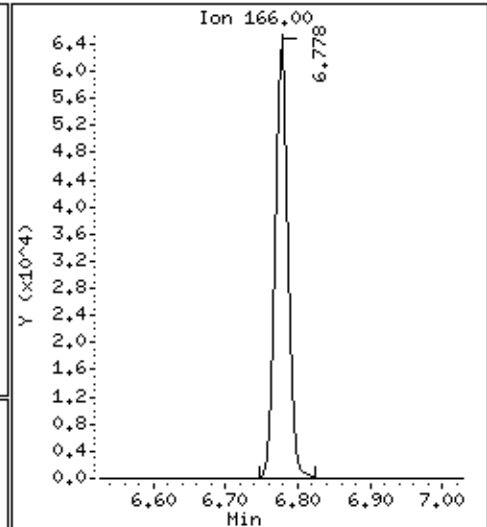
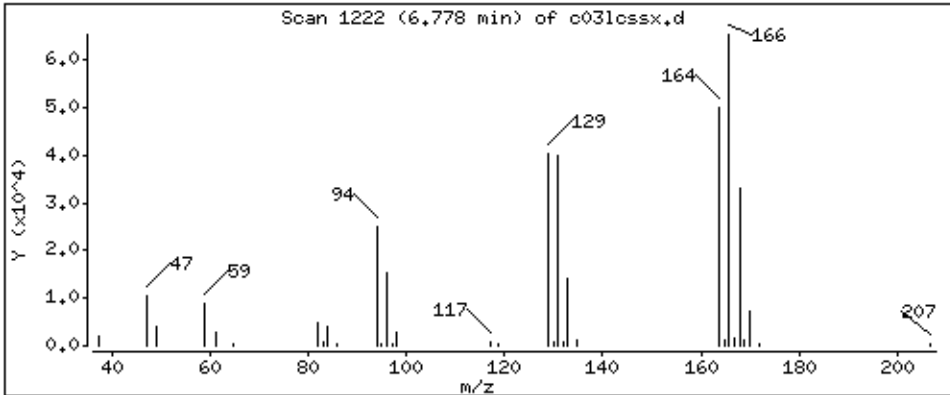
Operator: grm

Column phase: DB-624

Column diameter: 0,18

62 Tetrachloroethene

Concentration: 42.1 ppb



Date : 03-JUL-2014 00:12

Client ID: LCSs,71089;5

Instrument: 50mv1a.i

Sample Info: 112275,71089;5

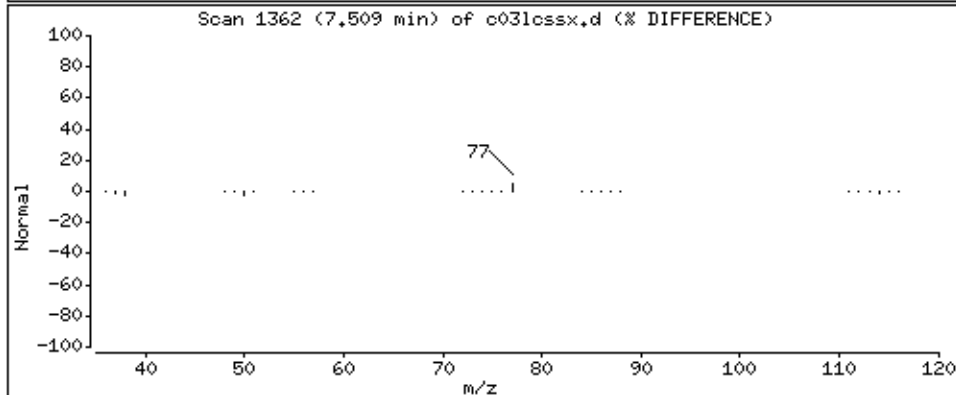
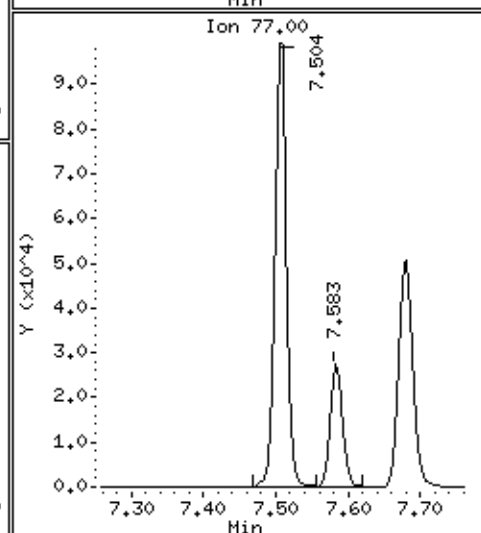
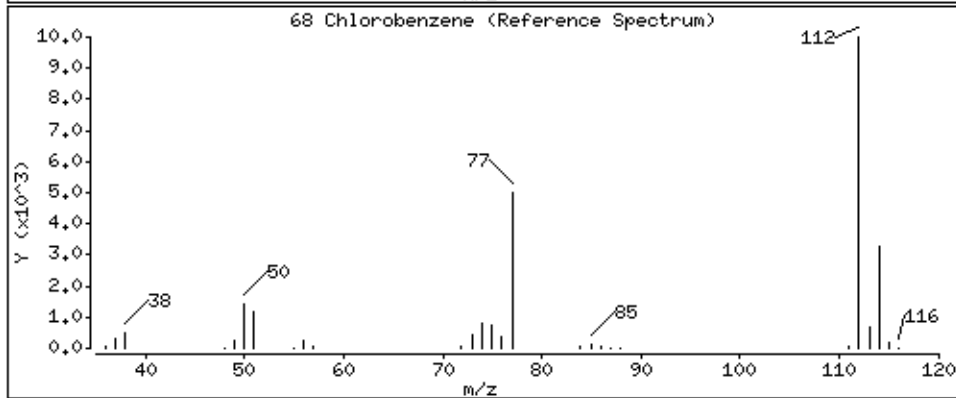
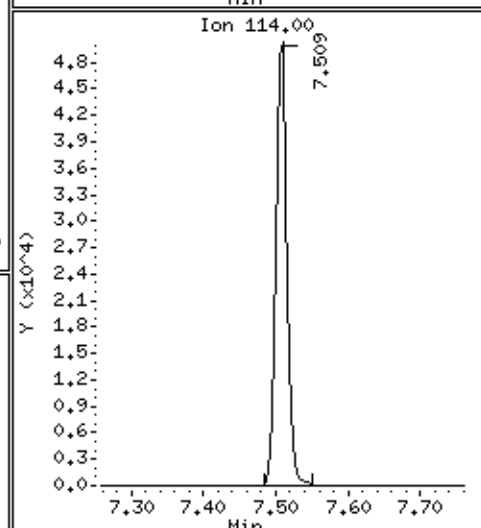
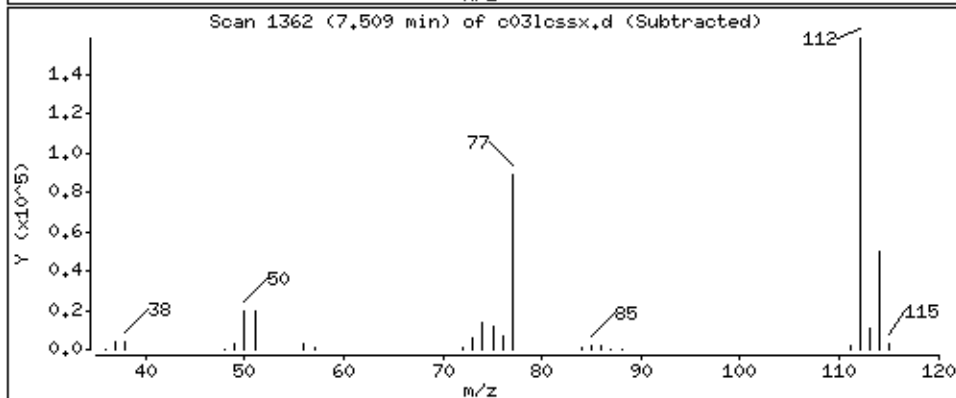
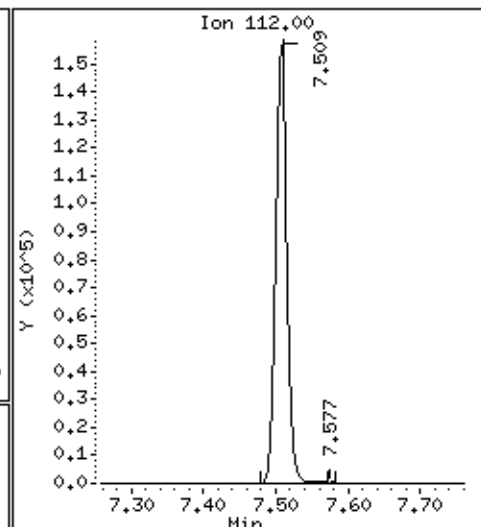
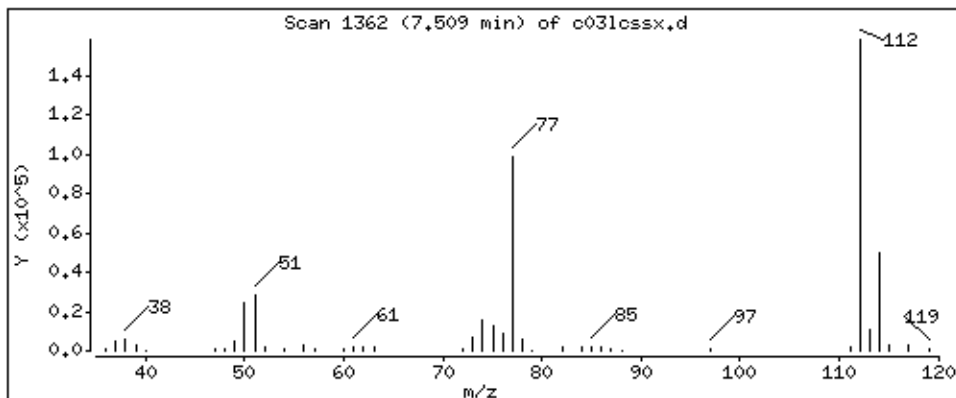
Operator: grm

Column phase: DB-624

Column diameter: 0,18

68 Chlorobenzene

Concentration: 44,0 ppb



Date : 03-JUL-2014 00:12

Client ID: LCSs,71089;5

Instrument: 50mv1a.i

Sample Info: 1122275,71089;5

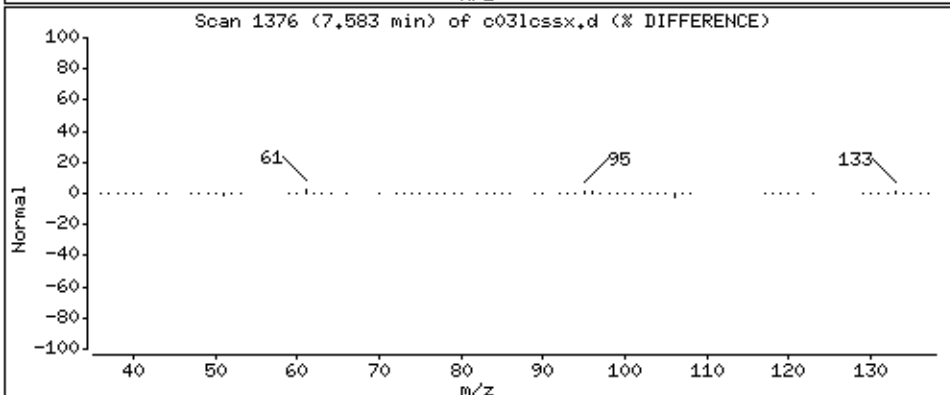
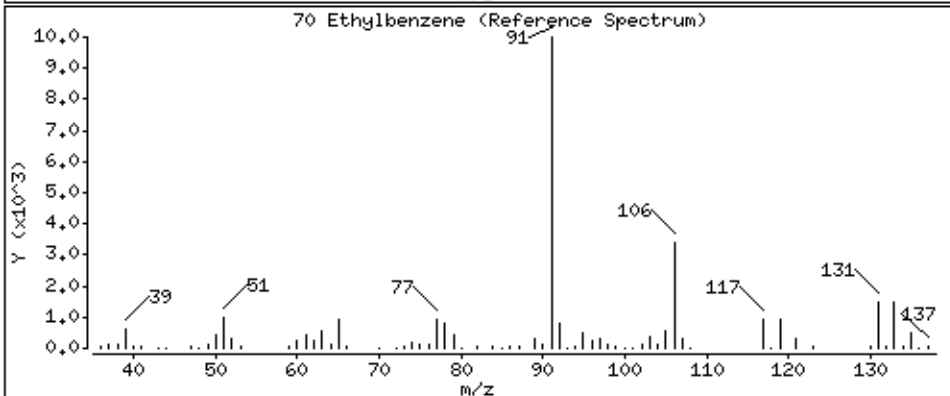
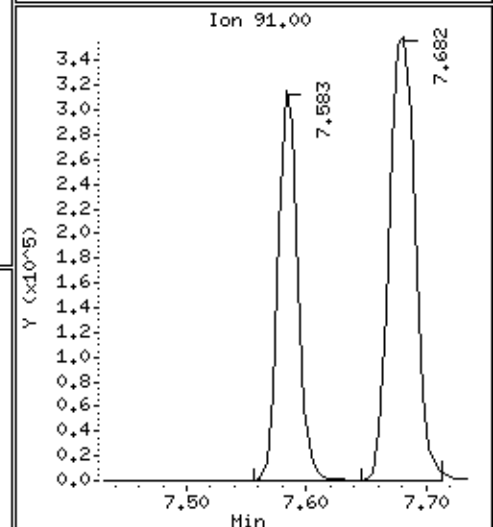
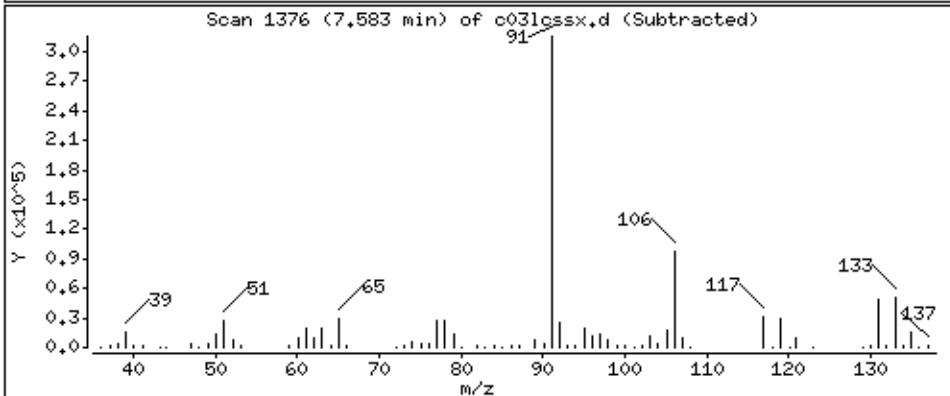
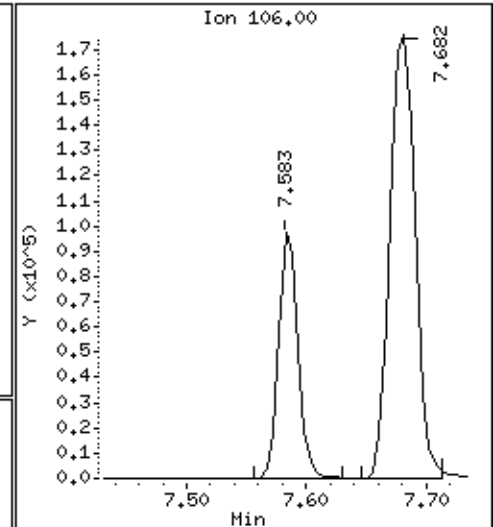
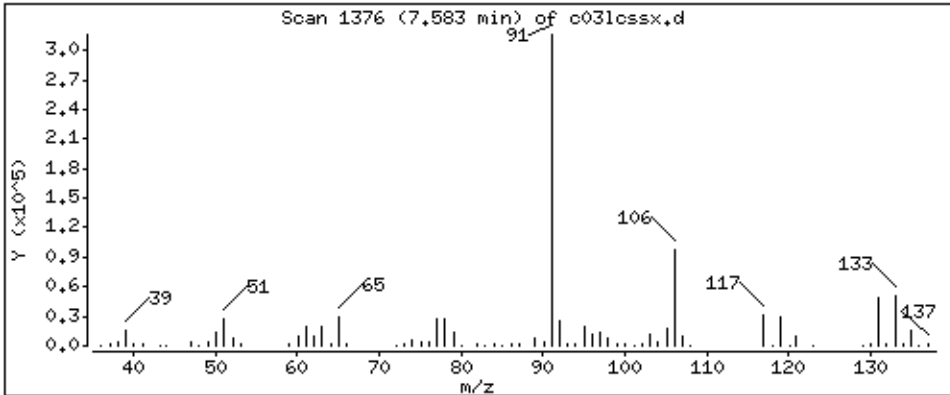
Operator: grm

Column phase: DB-624

Column diameter: 0,18

70 Ethylbenzene

Concentration: 45,5 ppb



Date : 03-JUL-2014 00:12

Client ID: LCSs,71089;5

Instrument: 50mv1a.i

Sample Info: 1122275,71089;5

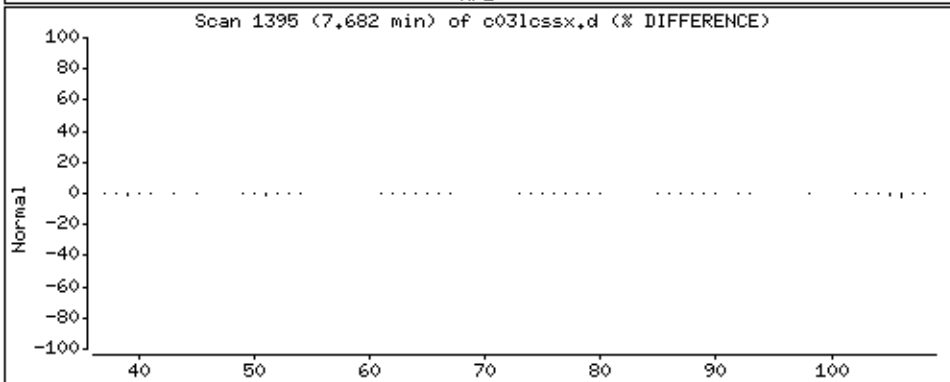
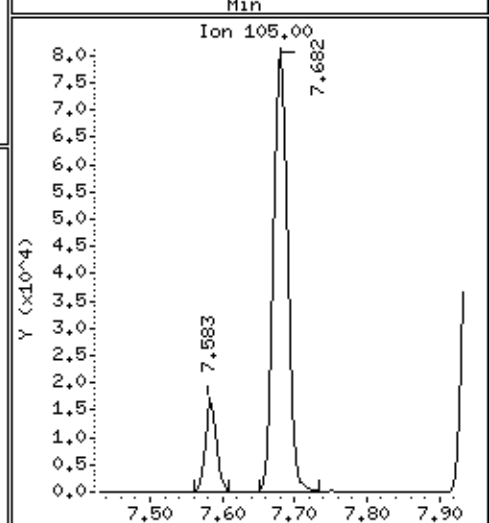
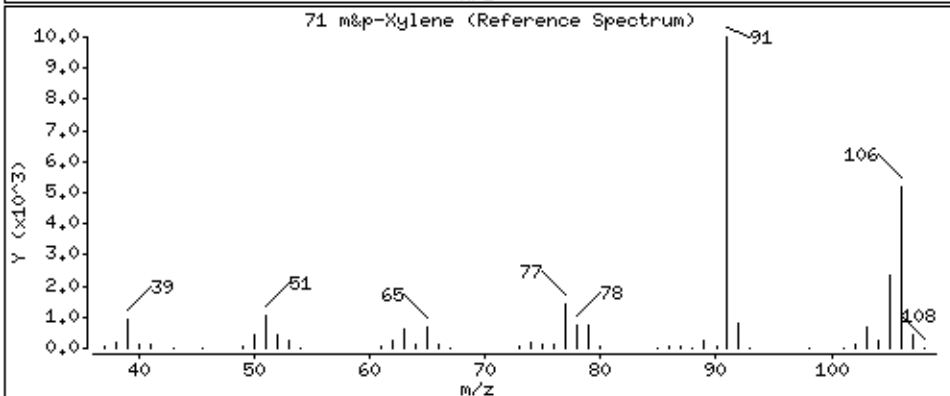
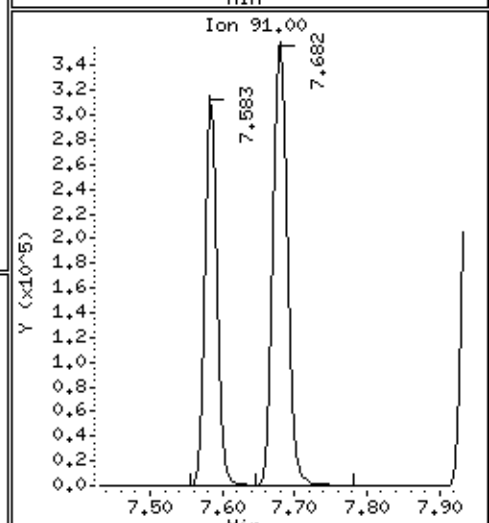
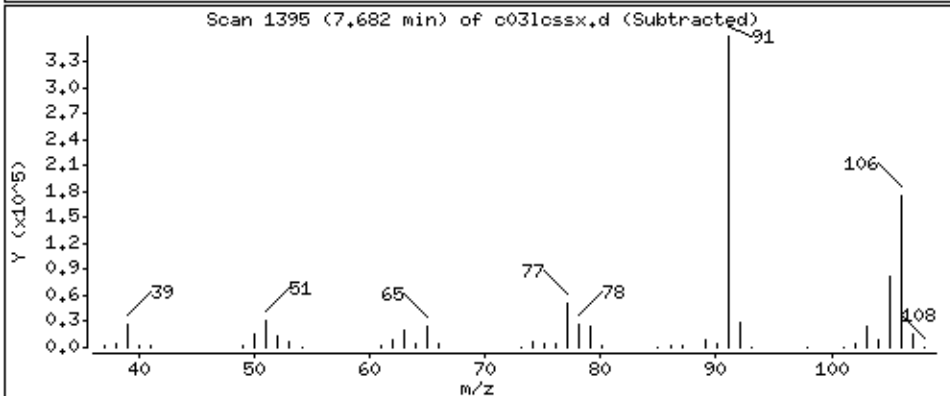
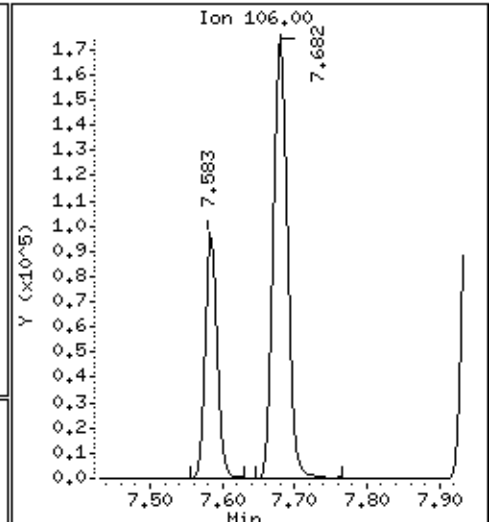
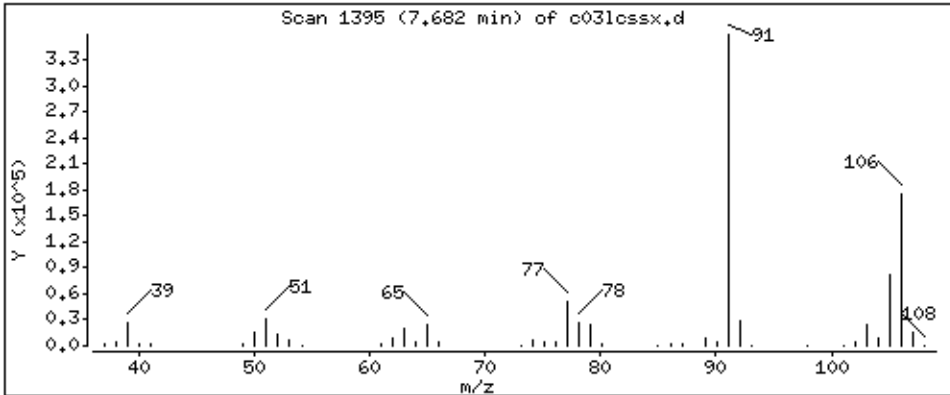
Operator: grm

Column phase: DB-624

Column diameter: 0,18

71 m&p-Xylene

Concentration: 89,3 ppb



Date : 03-JUL-2014 00:12

Client ID: LCSs,71089;5

Instrument: 50mv1a.i

Sample Info: 1122275,71089;5

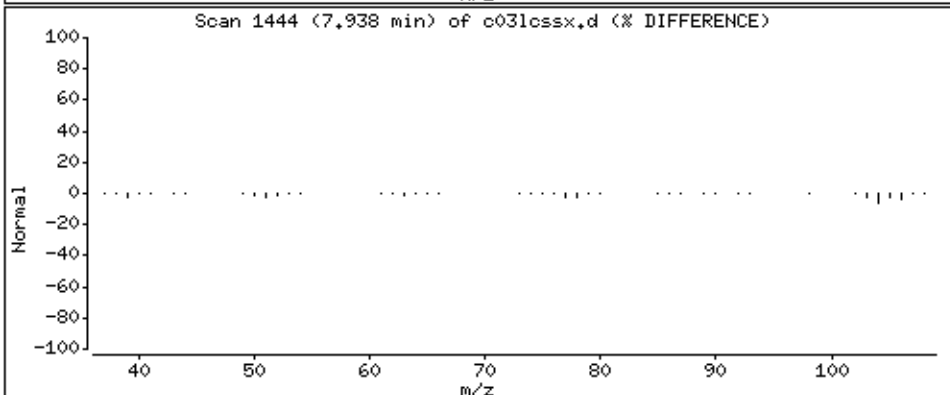
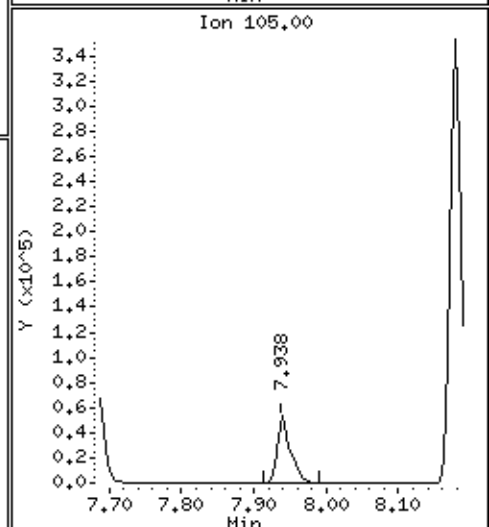
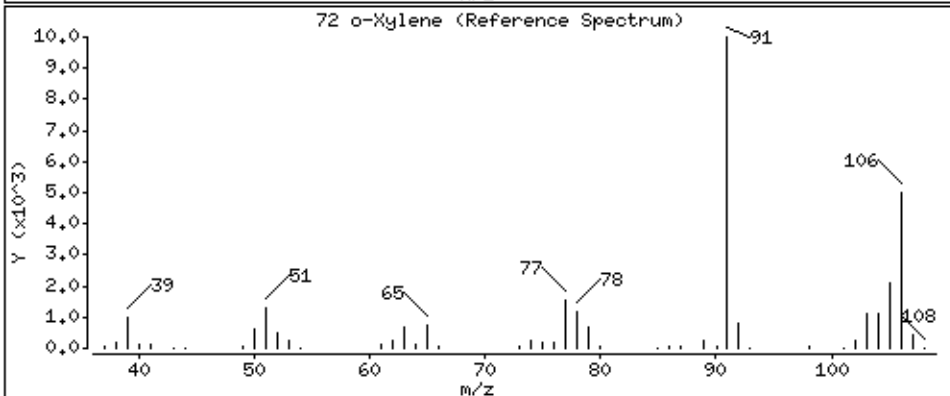
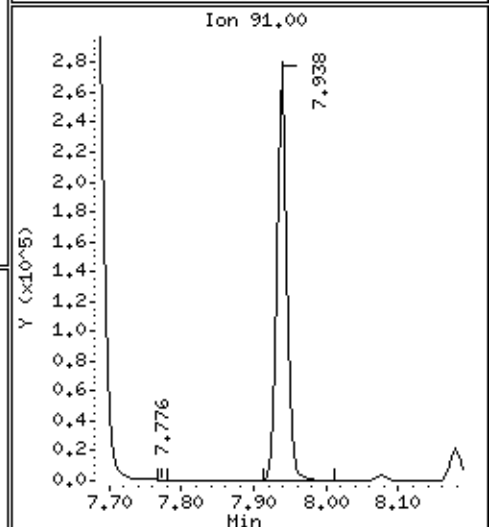
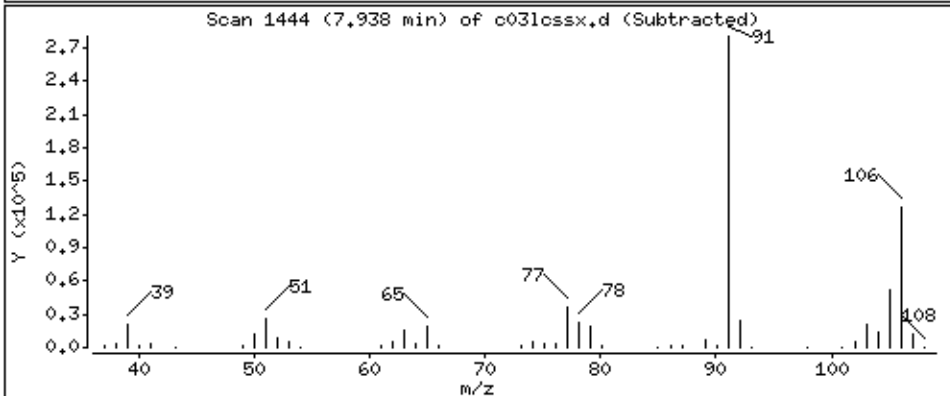
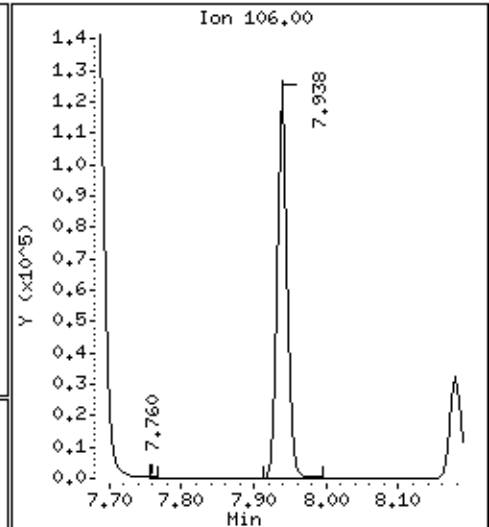
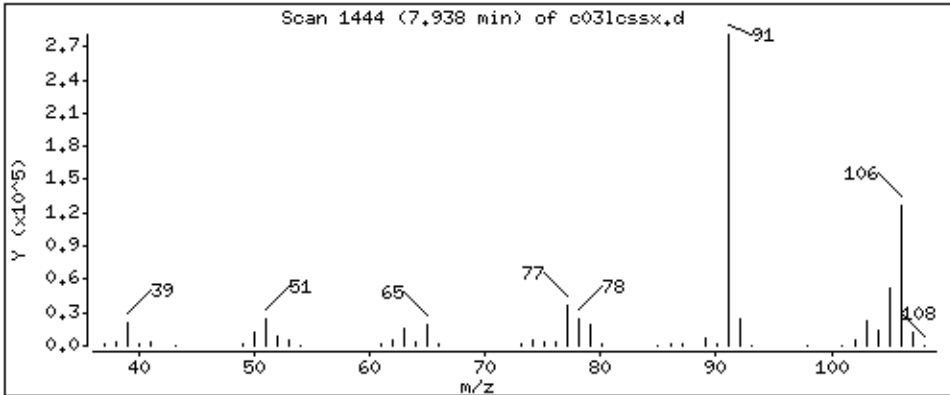
Operator: grm

Column phase: DB-624

Column diameter: 0,18

72 o-Xylene

Concentration: 48,9 ppb



Date : 03-JUL-2014 00:12

Client ID: LCSs,71089;5

Instrument: 50mv1a.i

Sample Info: 1122275,71089;5

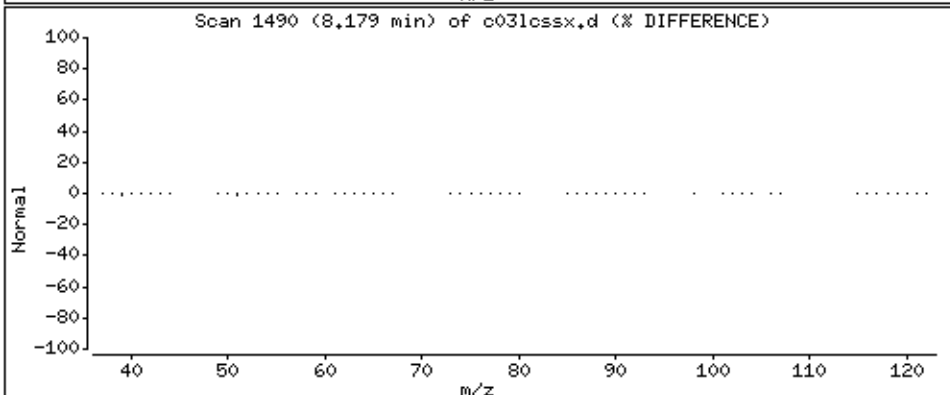
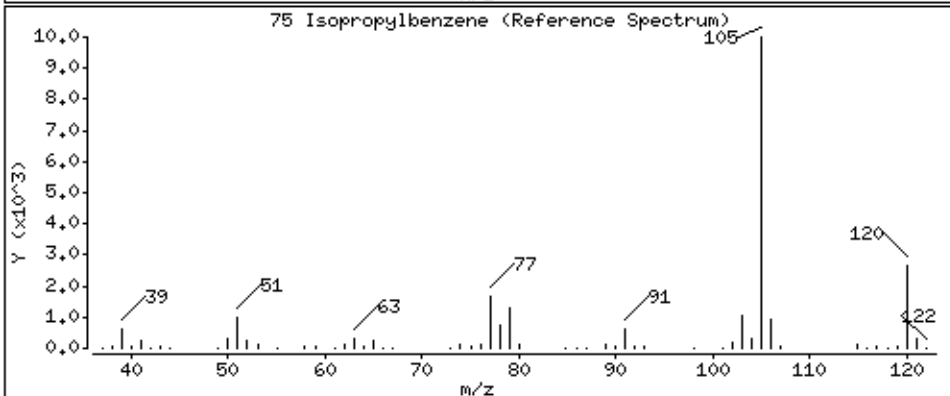
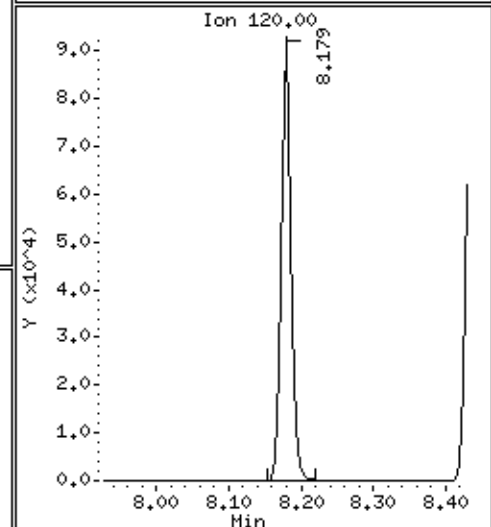
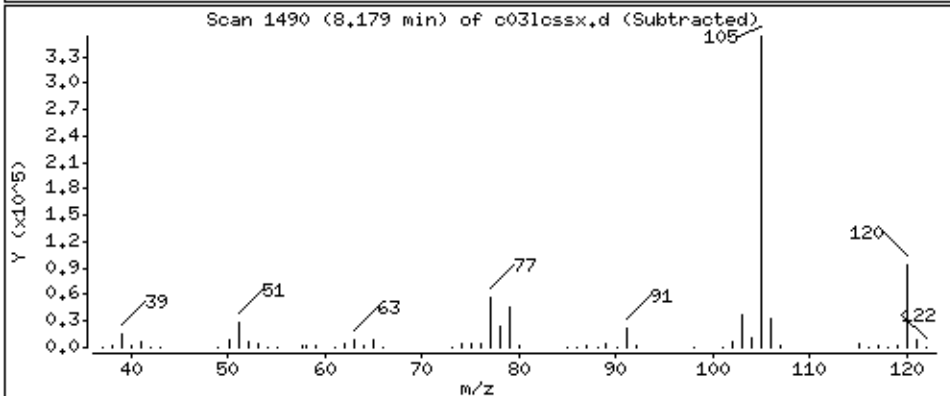
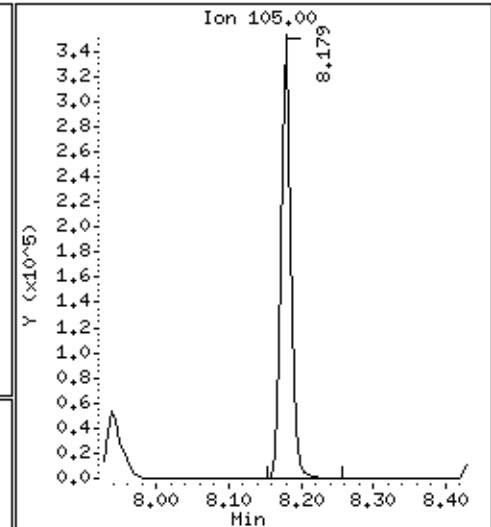
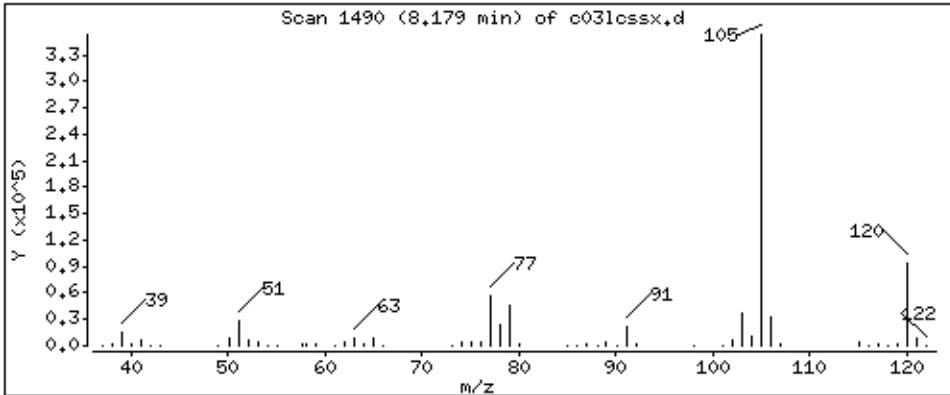
Operator: grm

Column phase: DB-624

Column diameter: 0,18

75 Isopropylbenzene

Concentration: 45,4 ppb



Date : 03-JUL-2014 00:12

Client ID: LCSs,71089;5

Instrument: 50mv1a.i

Sample Info: 1122275,71089;5

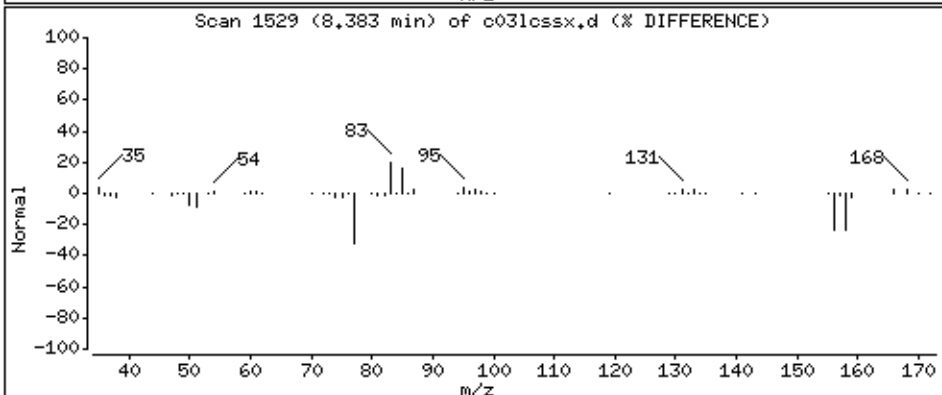
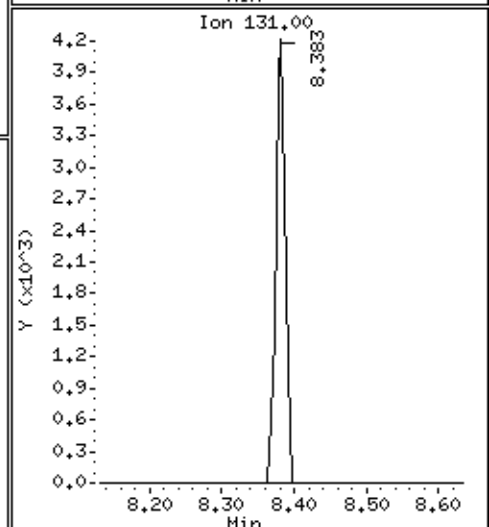
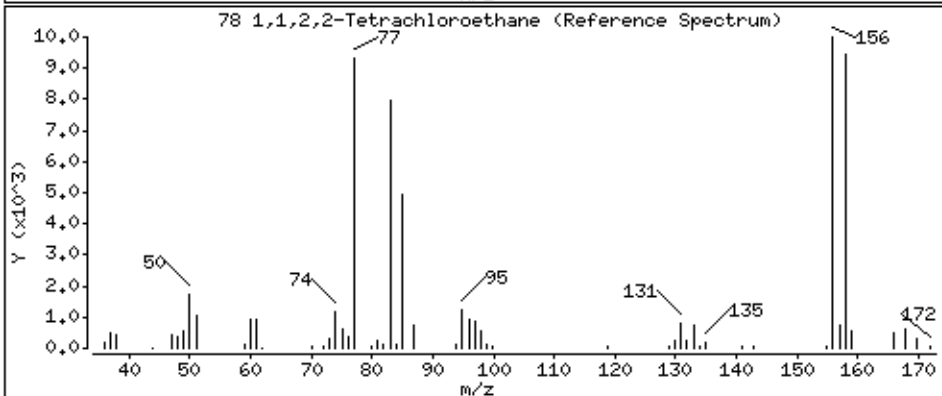
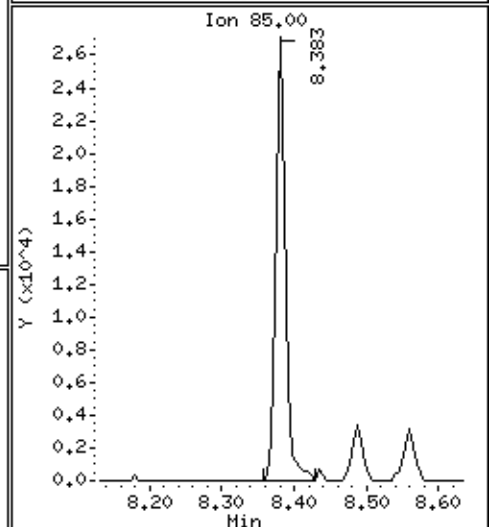
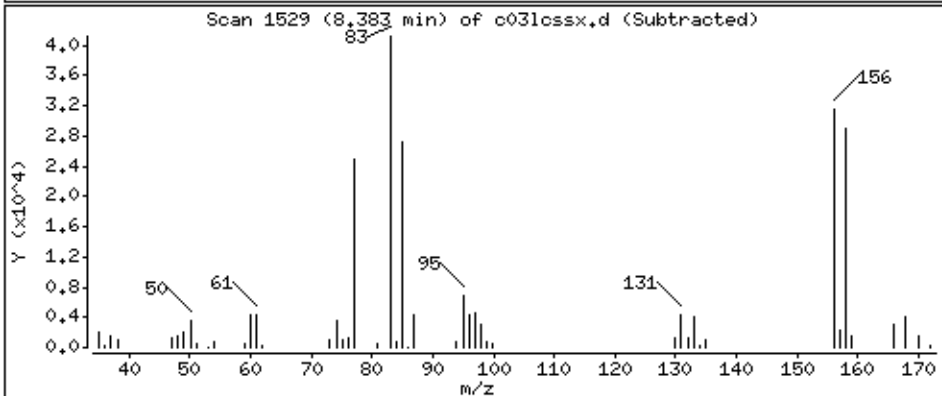
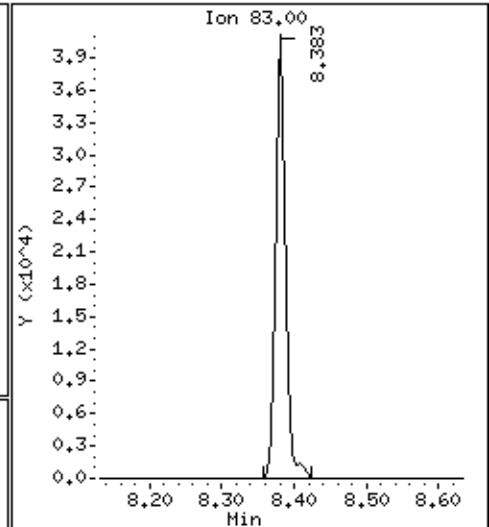
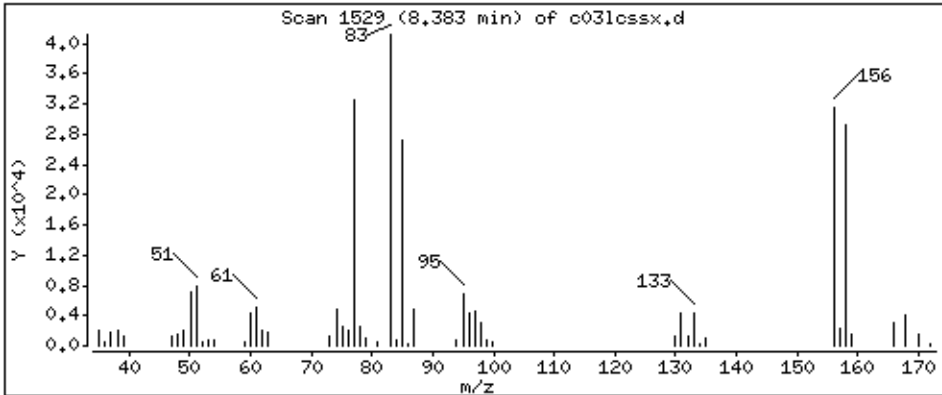
Operator: grm

Column phase: DB-624

Column diameter: 0,18

78 1,1,2,2-Tetrachloroethane

Concentration: 45,3 ppb



Date : 03-JUL-2014 00:12

Client ID: LCSs,71089;5

Instrument: 50mv1a.i

Sample Info: 112275,71089;5

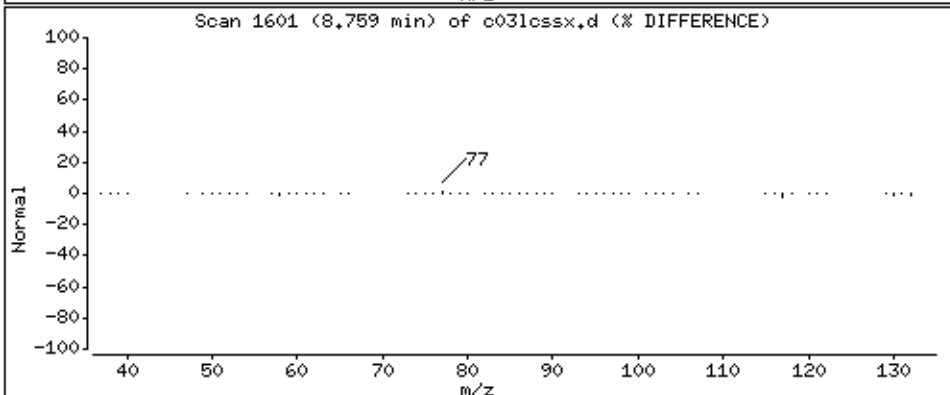
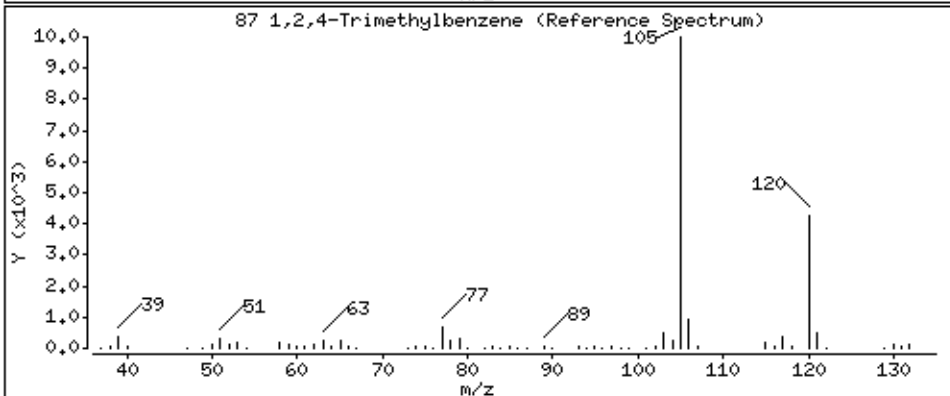
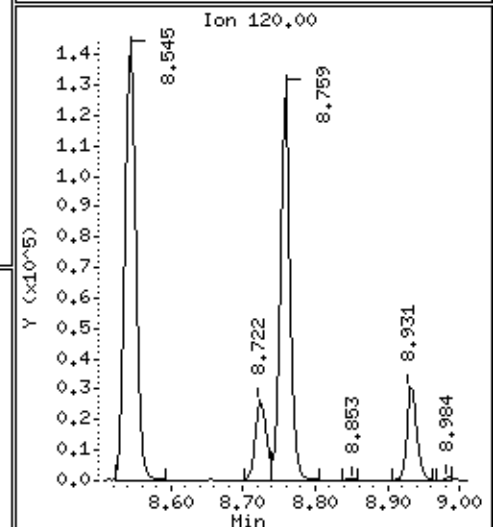
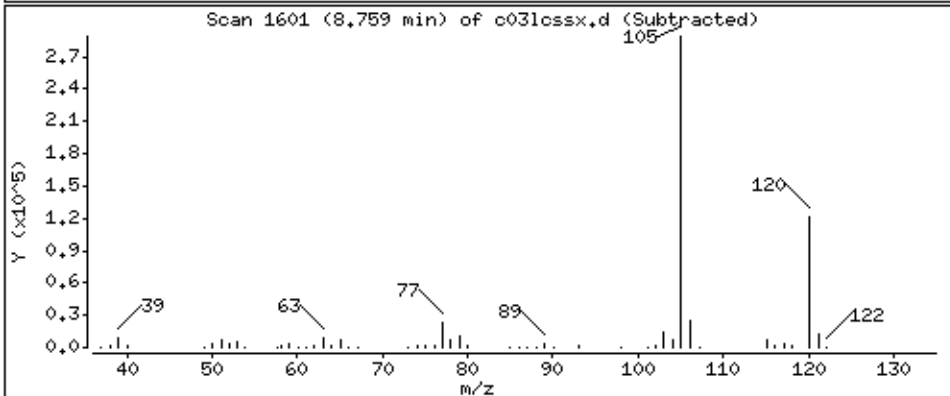
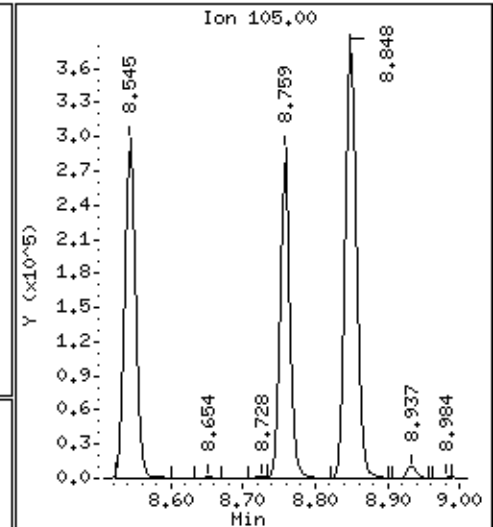
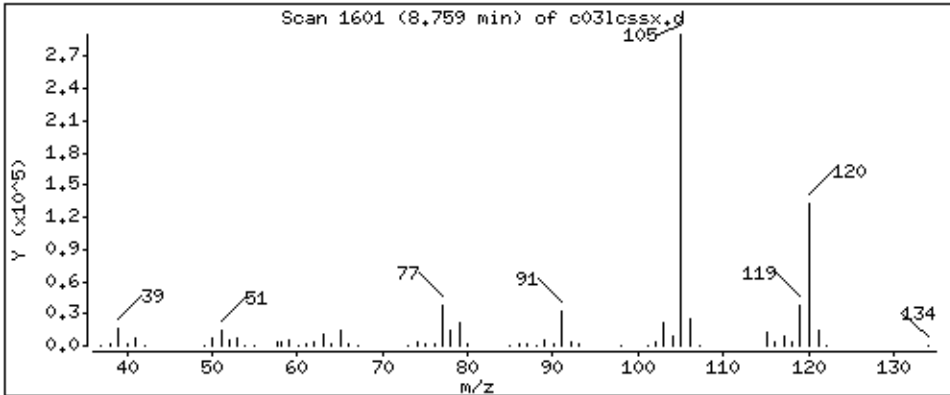
Operator: grm

Column phase: DB-624

Column diameter: 0,18

87 1,2,4-Trimethylbenzene

Concentration: 47.2 ppb



Date : 03-JUL-2014 00:12

Client ID: LCSs,71089;5

Instrument: 50mv1a.i

Sample Info: 1122275,71089;5

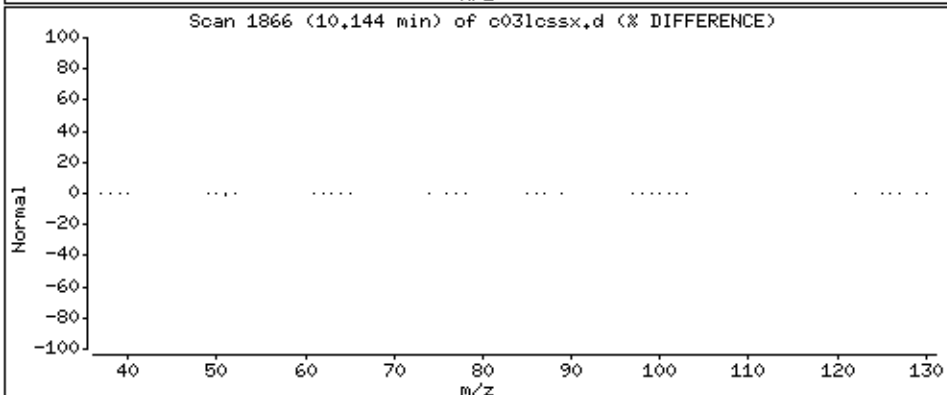
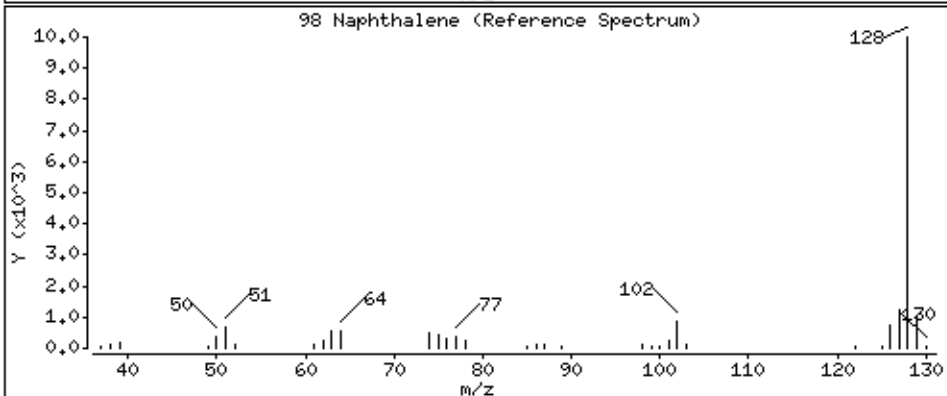
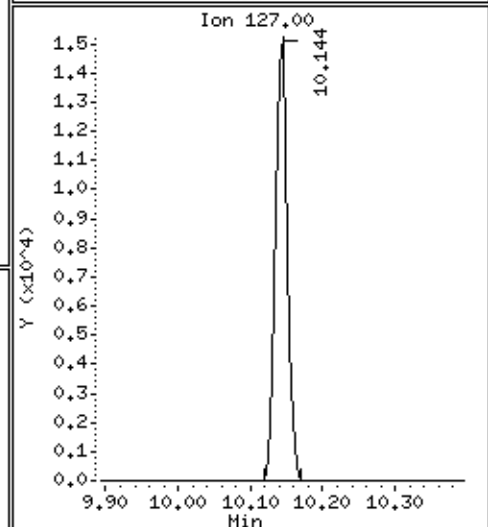
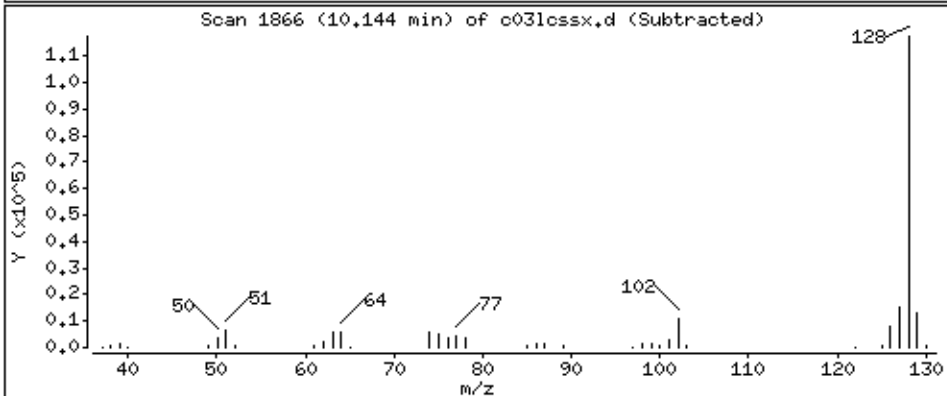
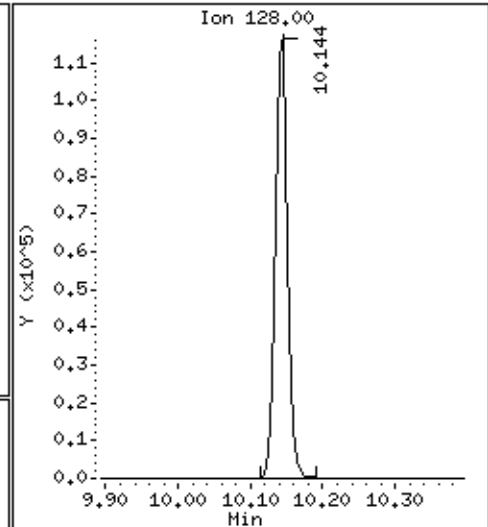
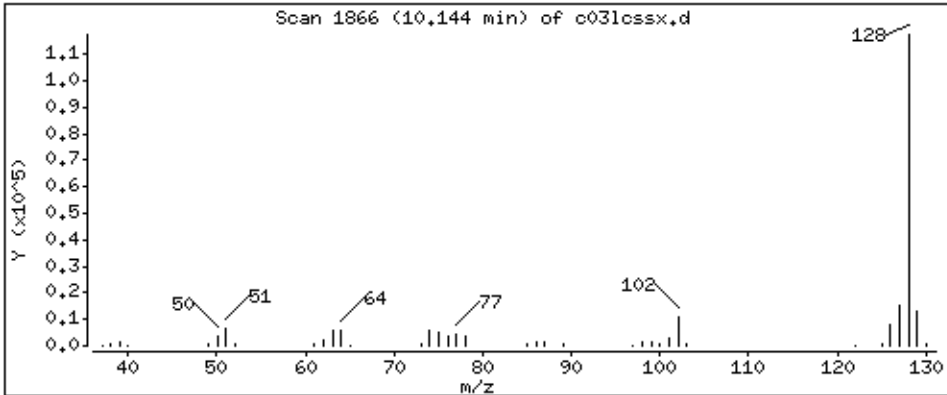
Operator: grm

Column phase: DB-624

Column diameter: 0,18

98 Naphthalene

Concentration: 48,9 ppb



Data File: \\192.168.50.6\chem\50mv1a.i\a070214.b/c03lcssx.d
Injection Date: 03-JUL-2014 00:12
Instrument: 50mv1a.i
Lab Sample ID: 1122275,71089:5
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: 07/03/2014 12:49
Date Analyzed: 07/03/2014 12:49
Initial wt/vol: 5 g Final wt/vol: 5 mL Dilution: 1

Contract: Sibley - Accucast
Matrix: Solid SDG No.: 5099627
Lab Sample ID: 1123501
Lab File ID: A070314.BIA02LCSS.D
Instrument: 50MV1A Percent Moisture: _____

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
71-43-2	Benzene	45.0	
108-90-7	Chlorobenzene	43.8	
67-66-3	Chloroform	39.1	
75-35-4	1,1-Dichloroethene	43.8	
78-87-5	1,2-Dichloropropane	41.4	
100-41-4	Ethylbenzene	45.5	
98-82-8	Isopropylbenzene (Cumene)	46.0	
1634-04-4	Methyl-tert-butyl ether	80.9	
91-20-3	Naphthalene	46.4	
79-34-5	1,1,2,2-Tetrachloroethane	42.9	
127-18-4	Tetrachloroethene	41.9	
108-88-3	Toluene	43.3	
71-55-6	1,1,1-Trichloroethane	38.0	
79-01-6	Trichloroethene	41.6	
95-63-6	1,2,4-Trimethylbenzene	47.1	
75-01-4	Vinyl chloride	47.7	
1330-20-7	Xylene (Total)	140	

07/17/2014 9:25

Pace Analytical Services, Inc.

Data file : \\192.168.50.6\chem\50mv1a.i\070314.b\021css.d
 Lab Smp Id: 1123501,71089:5 Client Smp ID: LCSs,71089:5
 Inj Date : 03-JUL-2014 12:49
 Operator : grm Inst ID: 50mv1a.i
 Smp Info : 1123501,71089:5
 Misc Info : 66523
 Comment :
 Method : \\192.168.50.6\chem\50mv1a.i\070314.b\08260_a_c.m
 Meth Date : 07-Jul-2014 11:05 50mv1a.i Quant Type: ISTD
 Cal Date : 19-JUN-2014 17:44 Cal File: a08cal.d
 Als bottle: 5 QC Sample: LCS
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: 8260ss.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

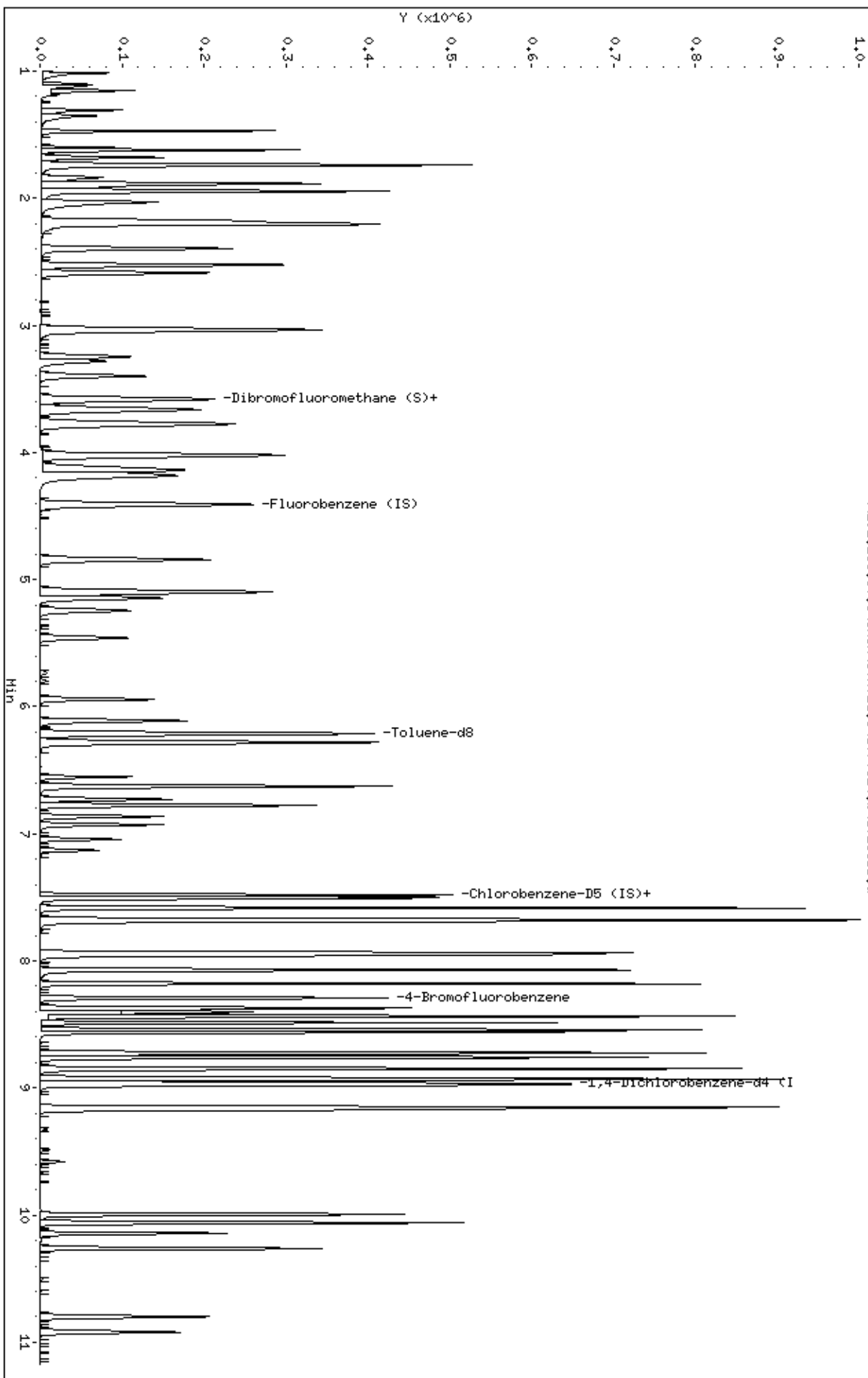
Compounds	QUANT	SIG	CONCENTRATIONS					REVIEW C			
			ON-COLUMN	FINAL	MASS	RT	EXP RT		REL RT	RESPONSE	
3 Vinyl Chloride	62		47.7057	47.7		1.152	1.149	(0.261)	82905		
11 1,1-Dichloroethene	96		43.7978	43.8		1.737	1.740	(0.394)	60827		
21 Methyl-tert-butyl ether	73		80.8823	80.9		2.192	2.195	(0.497)	196384		
35 Chloroform	83		39.1261	39.1		3.400	3.397	(0.771)	110394		
37 1,1,1-Trichloroethane	97		37.9960	38.0		3.578	3.580	(0.811)	91536		
\$ 38 Dibromofluoromethane (S)	113		47.9397	47.9		3.583	3.585	(0.813)	58121		
42 Benzene	78		44.9515	45.0		4.027	4.025	(0.913)	253532		
* 46 Fluorobenzene (IS)	96		50.0000			4.409	4.406	(1.000)	251918		
47 Trichloroethene	95		41.6194	41.6		4.843	4.840	(1.098)	69645		
49 1,2-Dichloropropane	63		41.4438	41.4		5.146	5.143	(1.167)	50461		
\$ 57 Toluene-d8	98		50.2902	50.3		6.212	6.210	(0.830)	258355		
58 Toluene	91		43.3173	43.3		6.280	6.283	(0.839)	281255		
62 Tetrachloroethene	166		41.8844	41.9		6.777	6.774	(0.906)	83090		
* 67 Chlorobenzene-D5 (IS)	117		50.0000			7.483	7.485	(1.000)	194832		
68 Chlorobenzene	112		43.8183	43.8		7.504	7.506	(1.003)	176928		
70 Ethylbenzene	106		45.4738	45.5		7.582	7.585	(1.013)	103915		
71 m&p-Xylene	106		91.5018	91.5		7.676	7.679	(1.026)	257124		
72 o-Xylene	106		48.4735	48.5		7.938	7.935	(1.061)	126273		
75 Isopropylbenzene	105		46.0318	46.0		8.178	8.176	(1.093)	360587		
\$ 76 4-Bromofluorobenzene	95		46.5851	46.6		8.288	8.291	(1.108)	97070		
78 1,1,2,2-Tetrachloroethane	83		42.8611	42.9		8.382	8.379	(0.935)	41611		

Compounds	QUANT SIG	CONCENTRATIONS						REVIEW C
		MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ppb)	
=====	=====	=====	=====	=====	=====	=====	=====	=====
87 1,2,4-Trimethylbenzene	105	8.759	8.756	(0.977)	295736	47.1247	47.1	
* 91 1,4-Dichlorobenzene-d4 (IS)	152	8.962	8.965	(1.000)	105000	50.0000		
98 Naphthalene	128	10.144	10.141	(1.132)	140865	46.3743	46.4	

Data File: \\192.168.50.6\chem\Sow1a.1\9070314.b\9021oss.d
Date: 03-JUL-2014 12:49
Client ID: LCSS,71089:5
Sample Info: 1123501,71089:5
Column phase: DB-624

Instrument: Sow1a.1
Operator: grm
Column diameter: 0.18

\\192.168.50.6\chem\Sow1a.1\9070314.b\9021oss.d



Date : 03-JUL-2014 12:49

Client ID: LCSs,71089;5

Instrument: 50mv1a.i

Sample Info: 1123501,71089;5

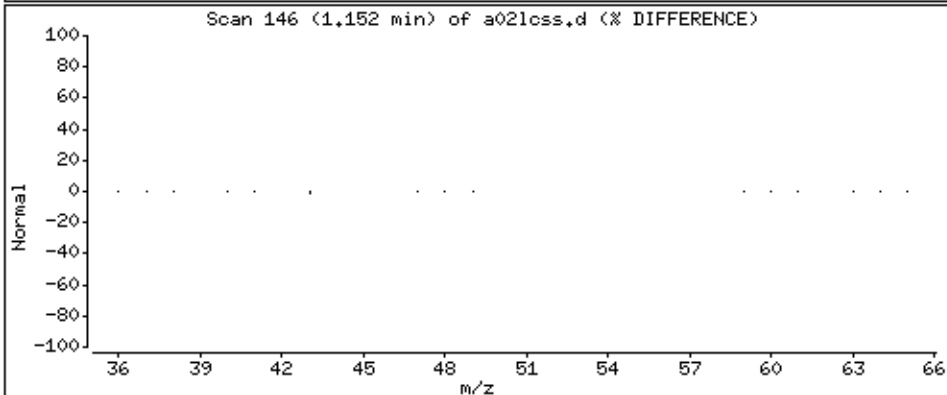
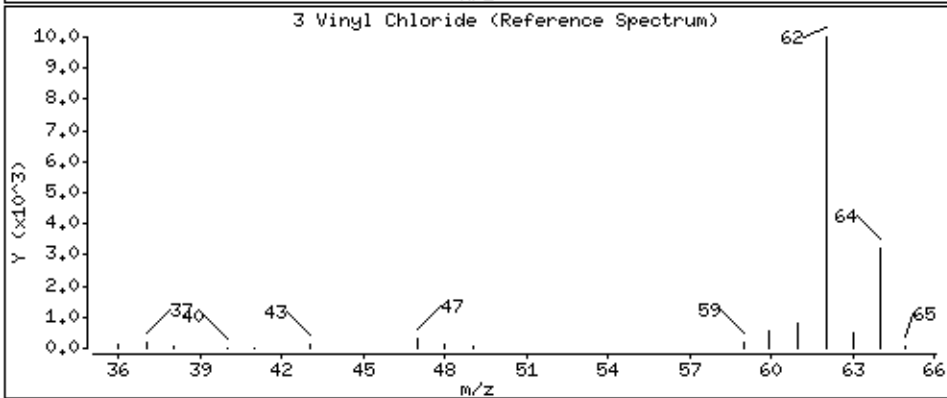
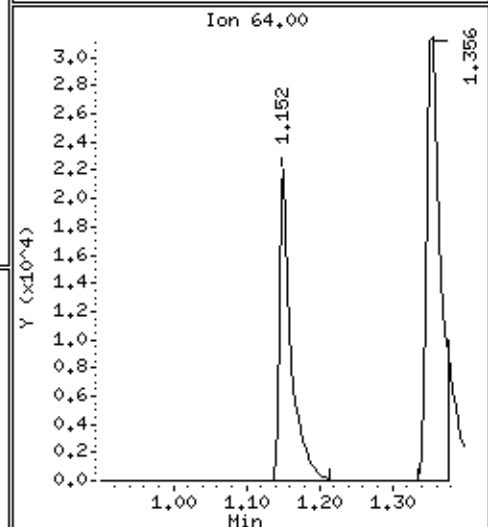
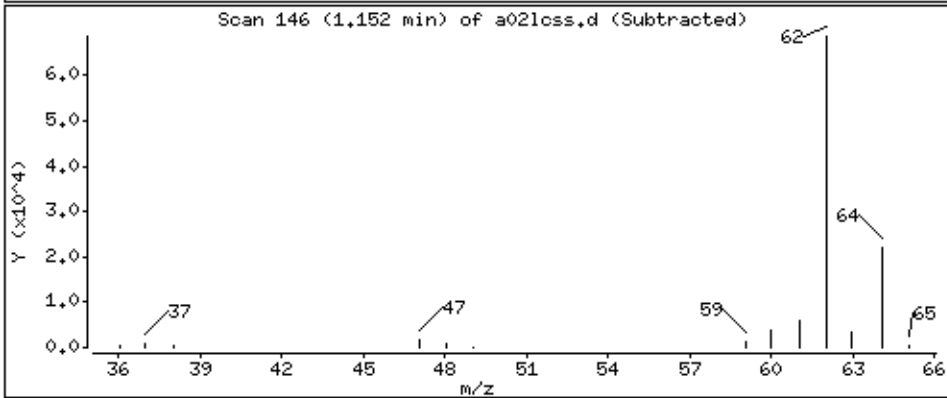
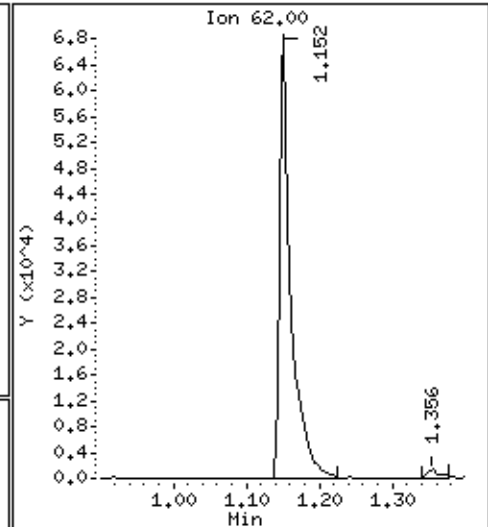
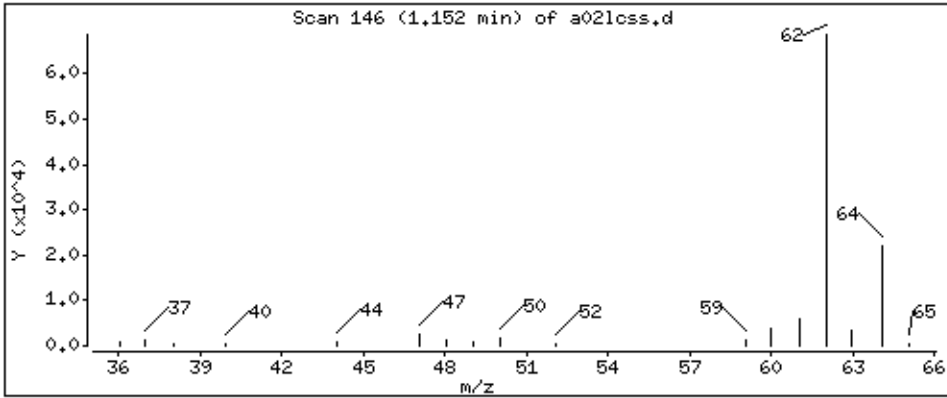
Operator: grm

Column phase: DB-624

Column diameter: 0,18

3 Vinyl Chloride

Concentration: 47.7 ppb



Date : 03-JUL-2014 12:49

Client ID: LCSs,71089;5

Instrument: 50mv1a.i

Sample Info: 1123501,71089;5

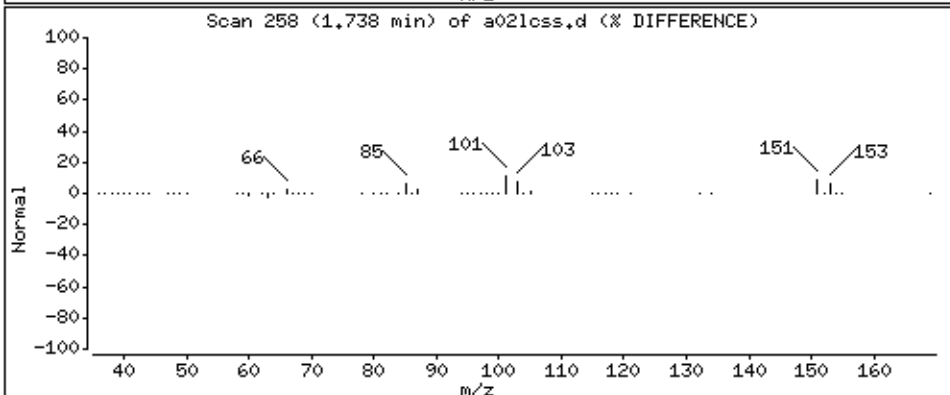
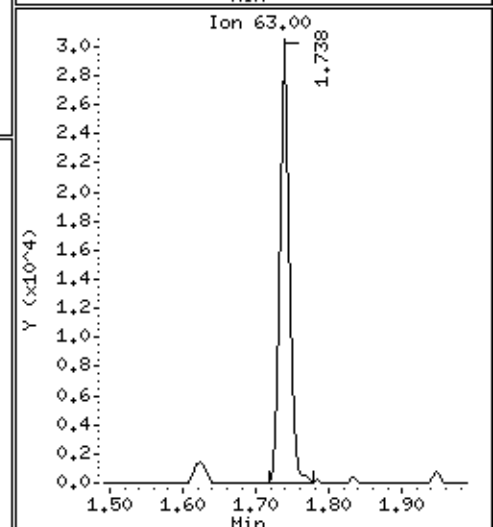
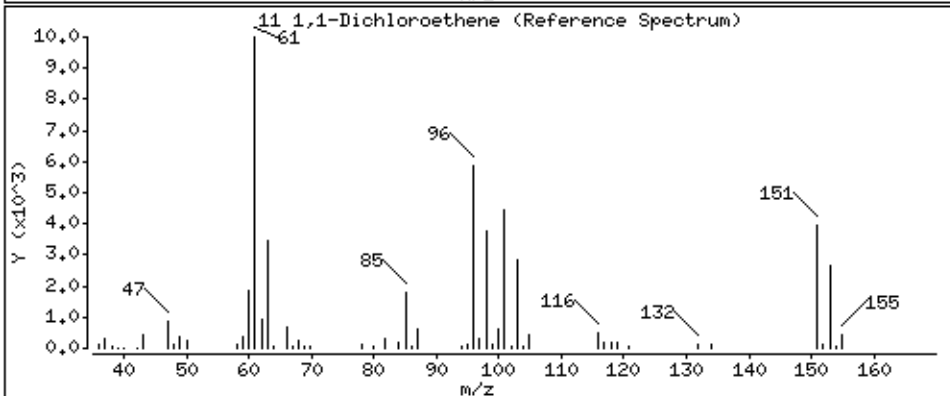
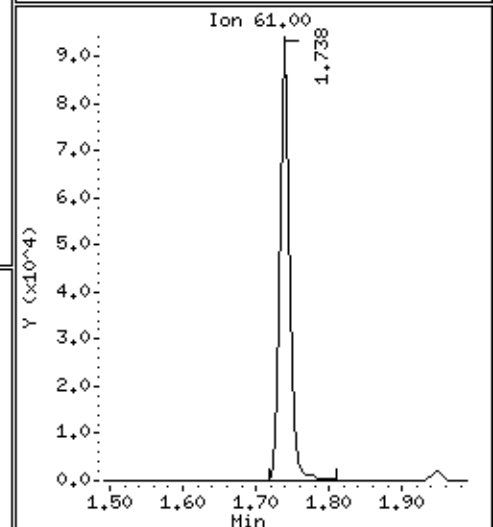
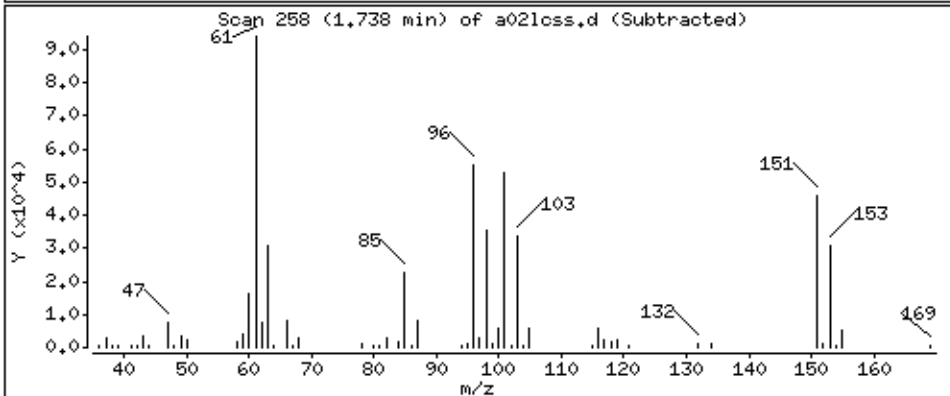
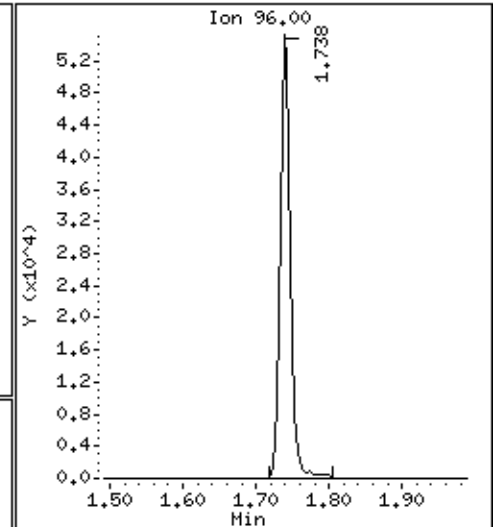
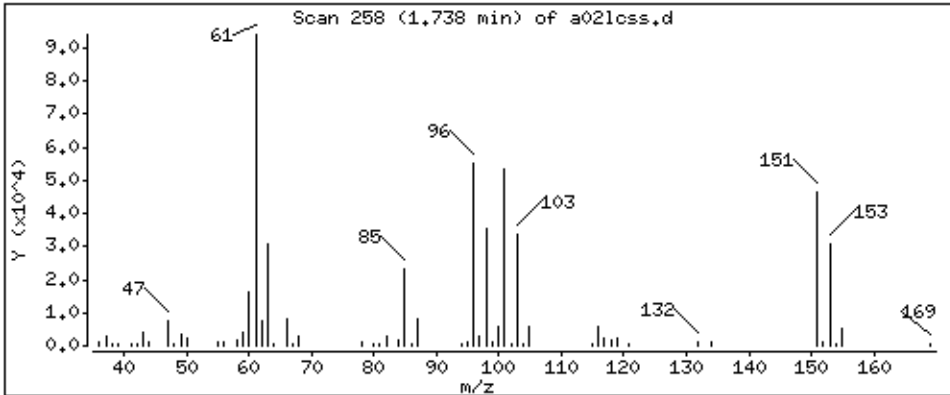
Operator: grm

Column phase: DB-624

Column diameter: 0,18

11 1,1-Dichloroethene

Concentration: 43,8 ppb



Date : 03-JUL-2014 12:49

Client ID: LCSs,71089;5

Instrument: 50mv1a.i

Sample Info: 1123501,71089;5

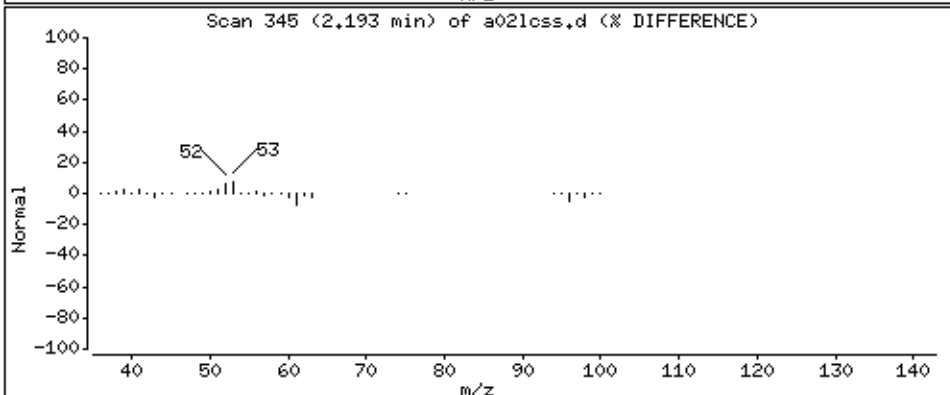
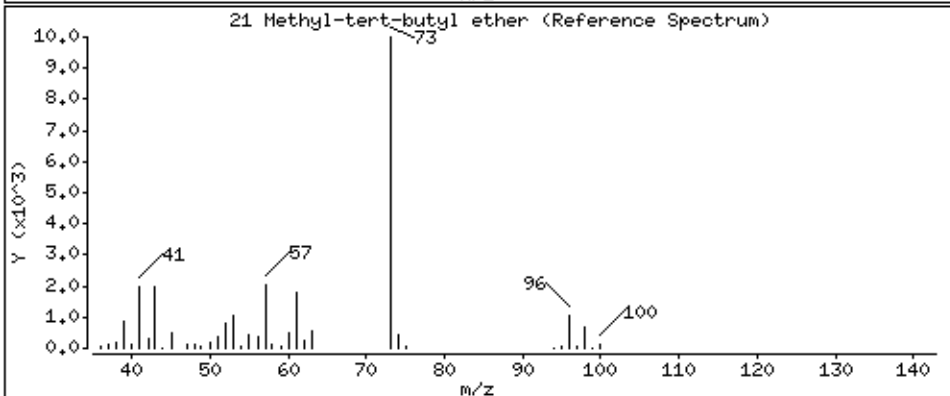
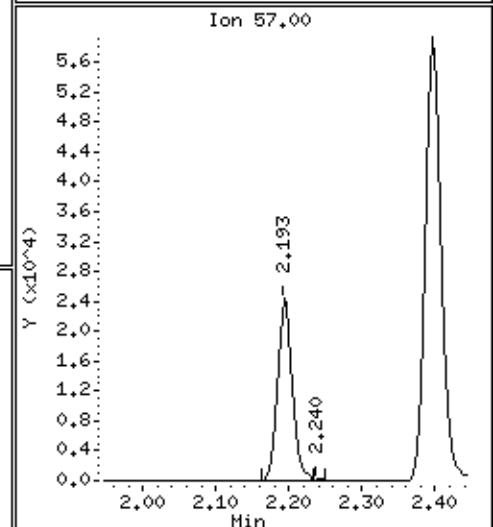
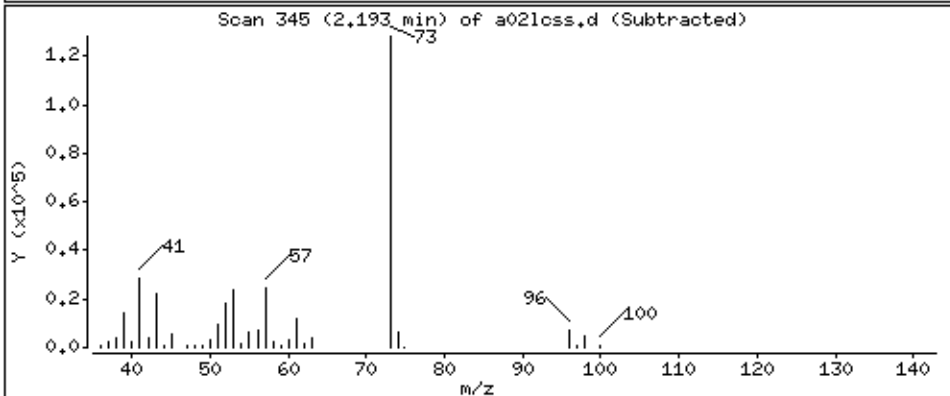
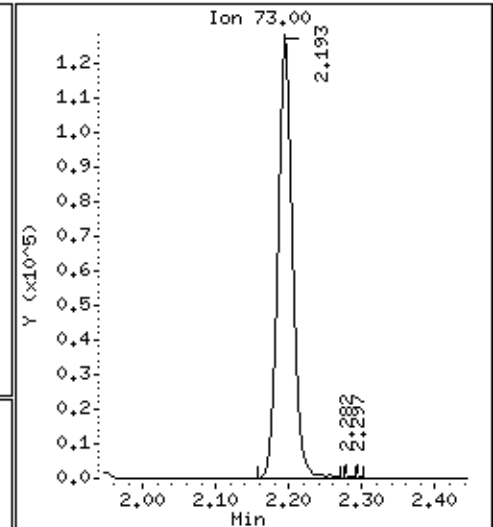
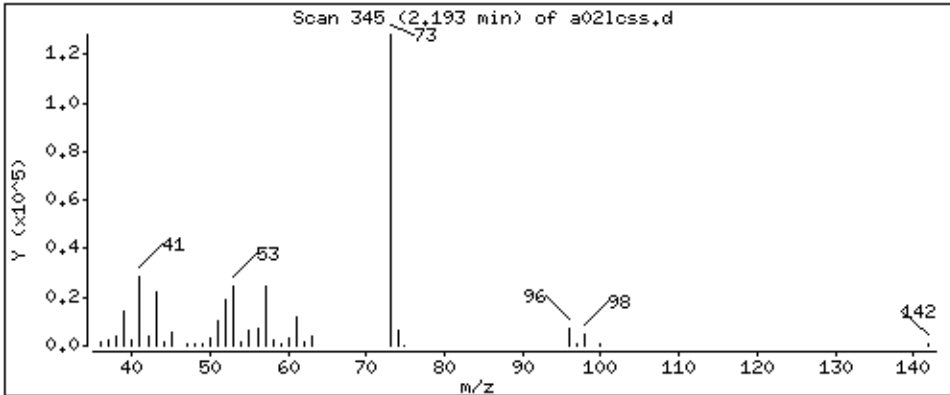
Operator: grm

Column phase: DB-624

Column diameter: 0,18

21 Methyl-tert-butyl ether

Concentration: 80,9 ppb



Date : 03-JUL-2014 12:49

Client ID: LCSs,71089;5

Instrument: 50mv1a.i

Sample Info: 1123501,71089;5

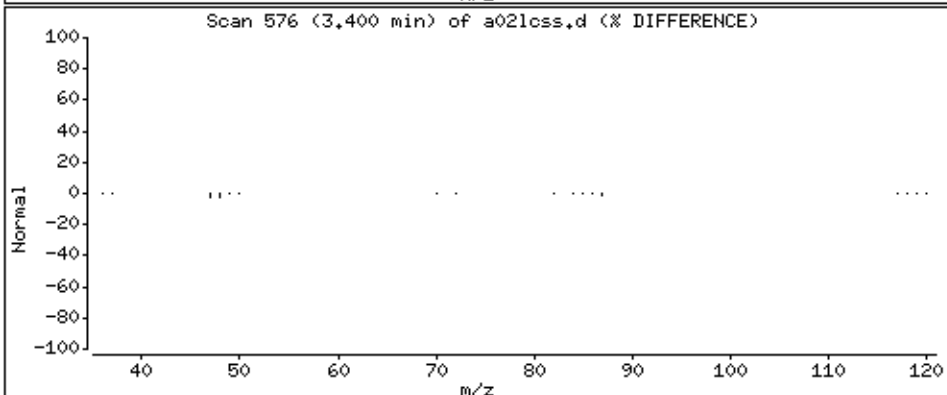
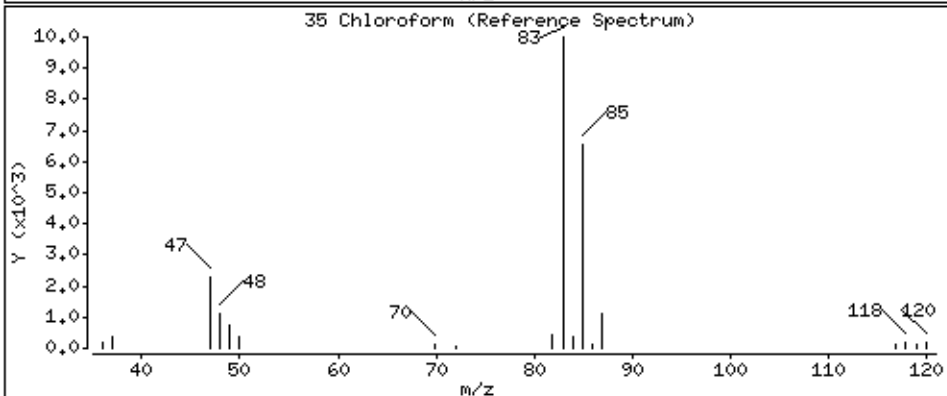
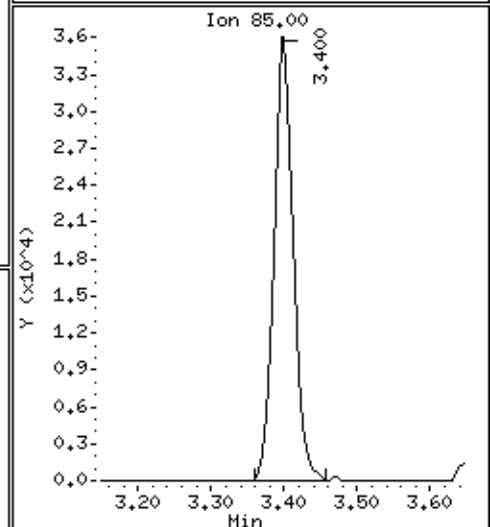
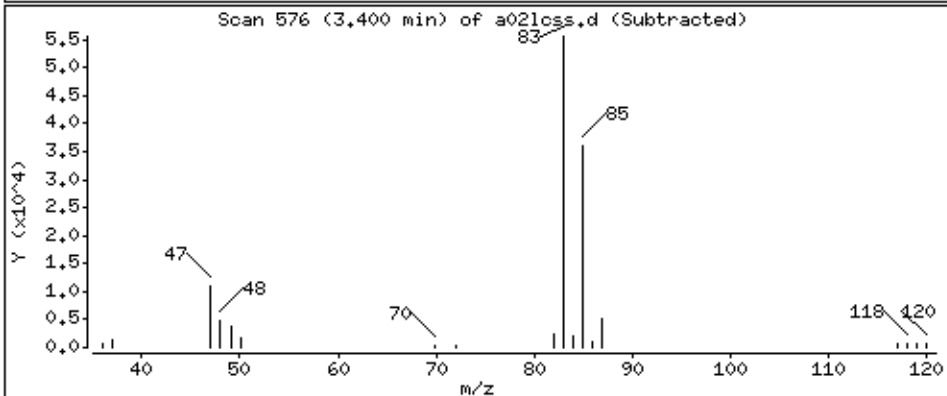
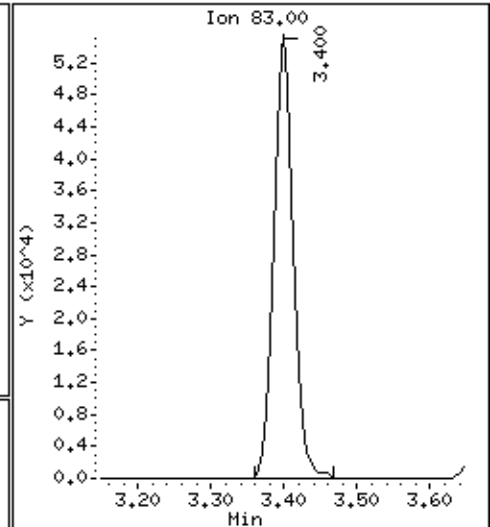
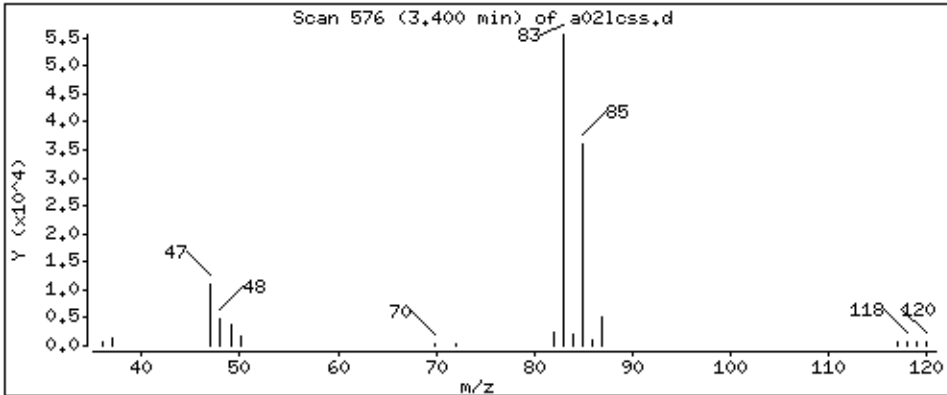
Operator: grm

Column phase: DB-624

Column diameter: 0,18

35 Chloroform

Concentration: 39,1 ppb



Date : 03-JUL-2014 12:49

Client ID: LCSs,71089;5

Instrument: 50mv1a.i

Sample Info: 1123501,71089;5

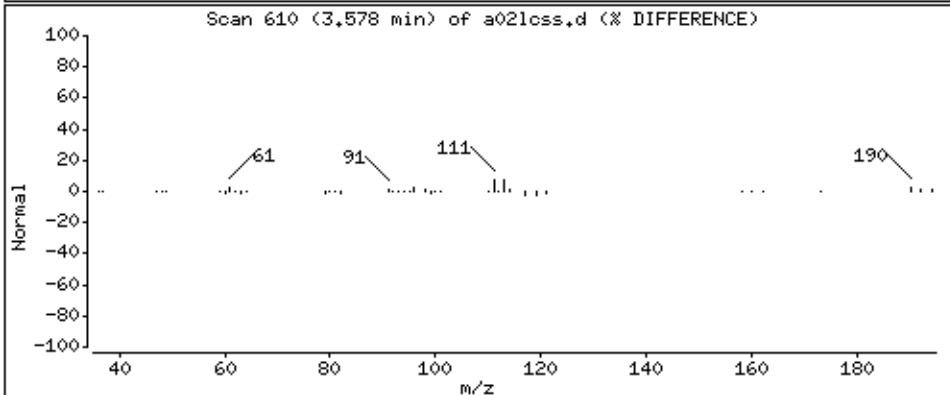
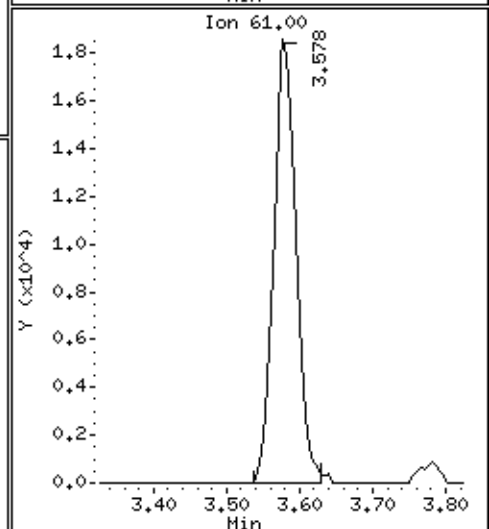
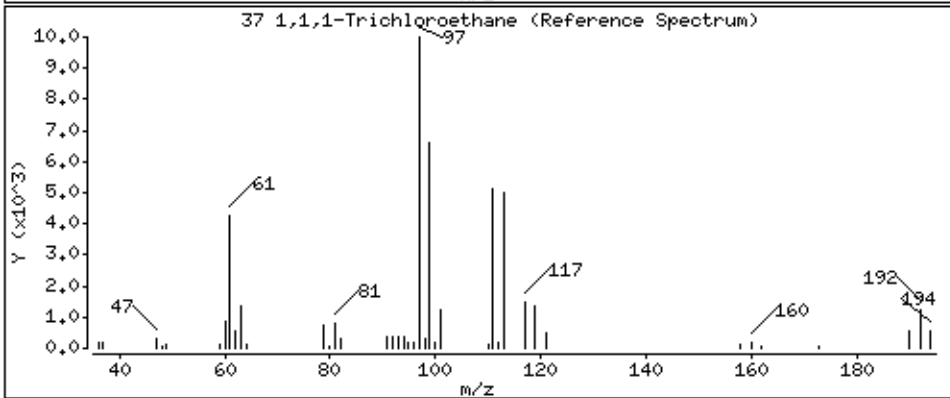
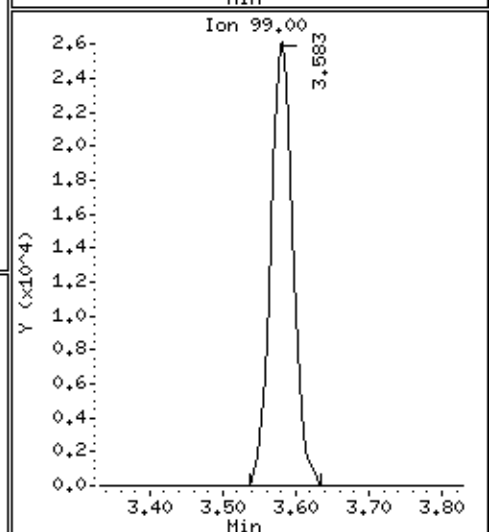
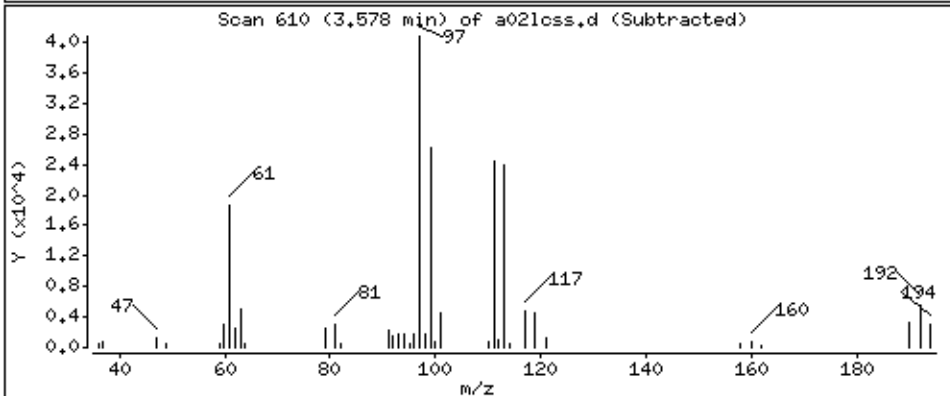
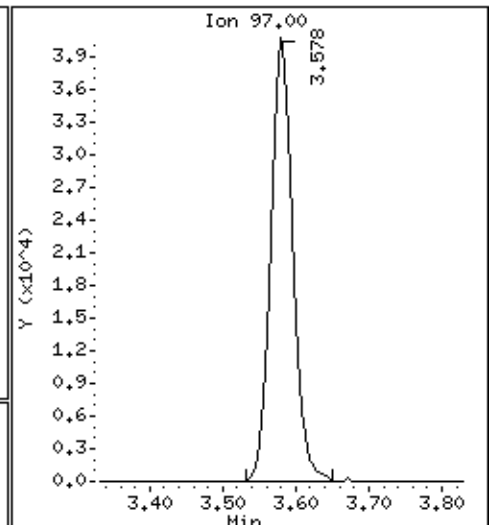
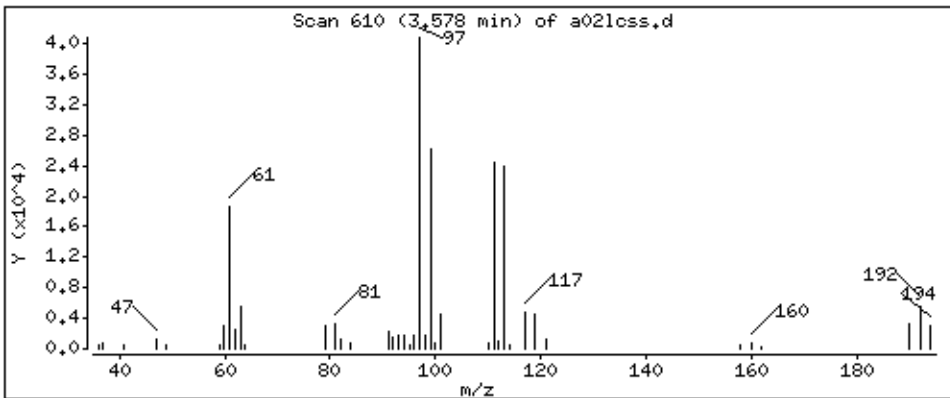
Operator: grm

Column phase: DB-624

Column diameter: 0,18

37 1,1,1-Trichloroethane

Concentration: 38,0 ppb



Date : 03-JUL-2014 12:49

Client ID: LCSs,71089;5

Instrument: 50mv1a.i

Sample Info: 1123501,71089;5

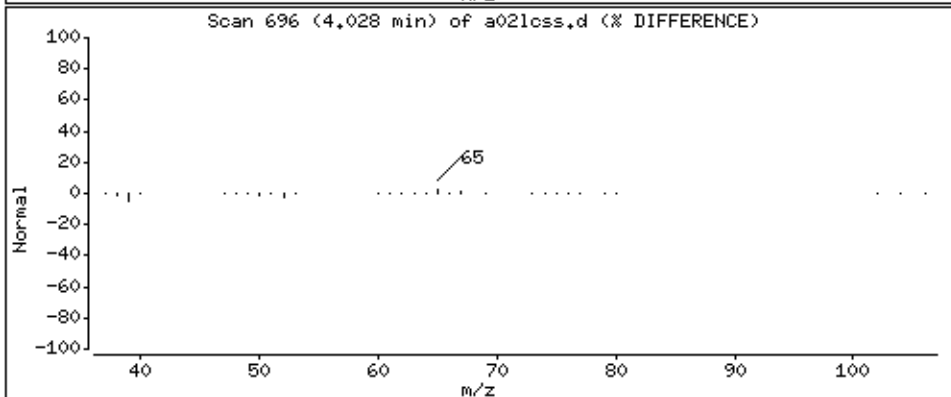
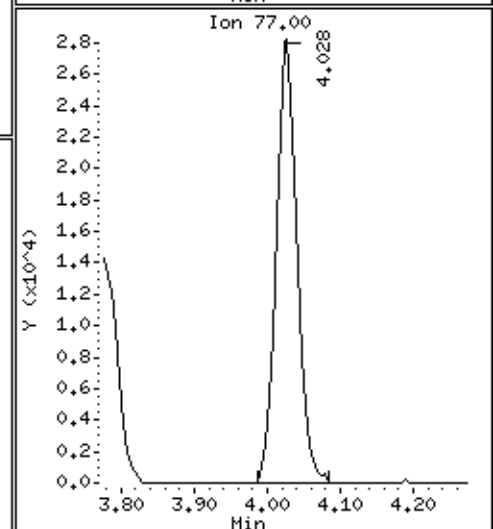
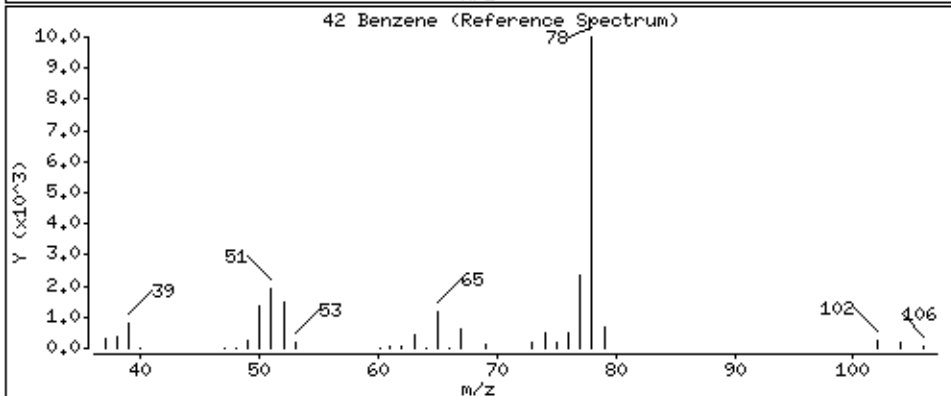
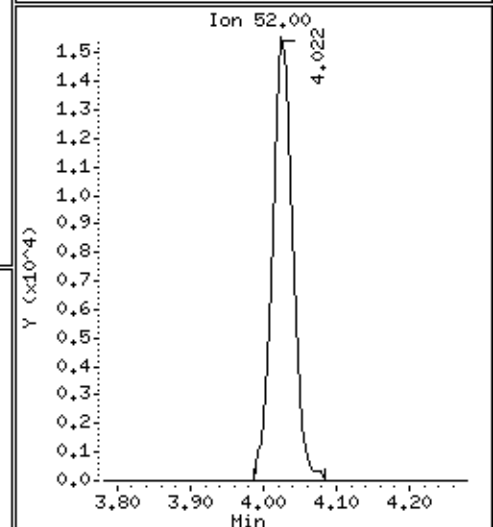
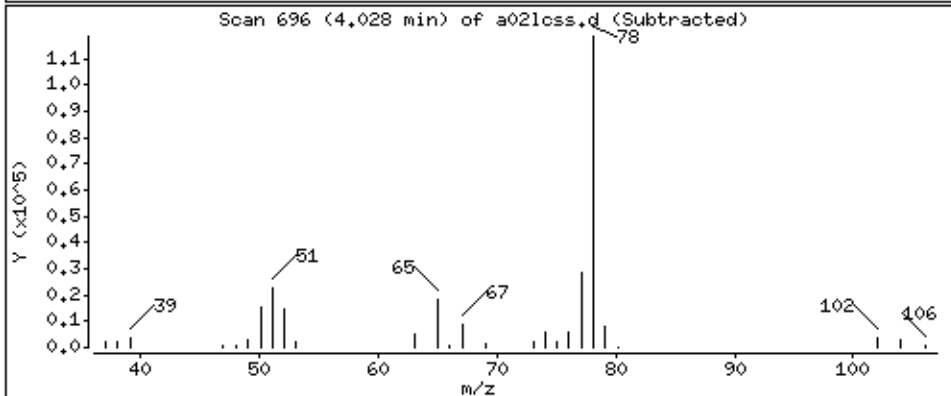
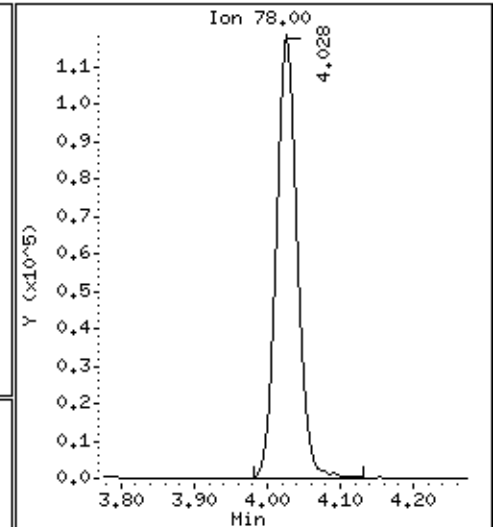
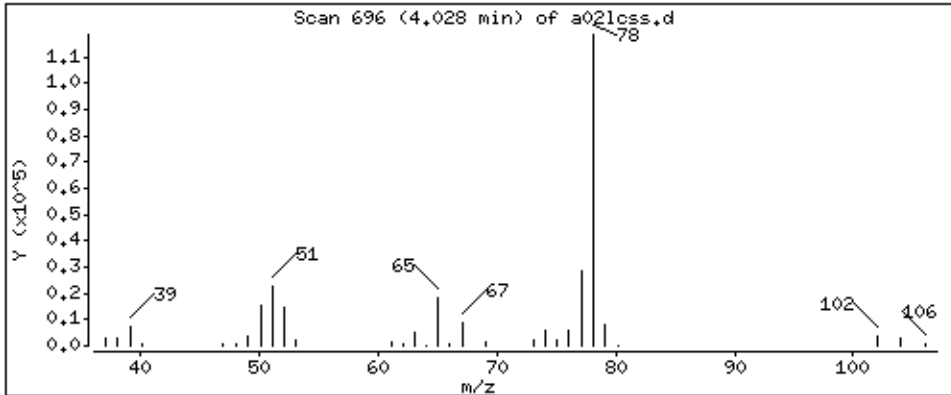
Operator: grm

Column phase: DB-624

Column diameter: 0,18

42 Benzene

Concentration: 45,0 ppb



Date : 03-JUL-2014 12:49

Client ID: LCSs,71089;5

Instrument: 50mv1a.i

Sample Info: 1123501,71089;5

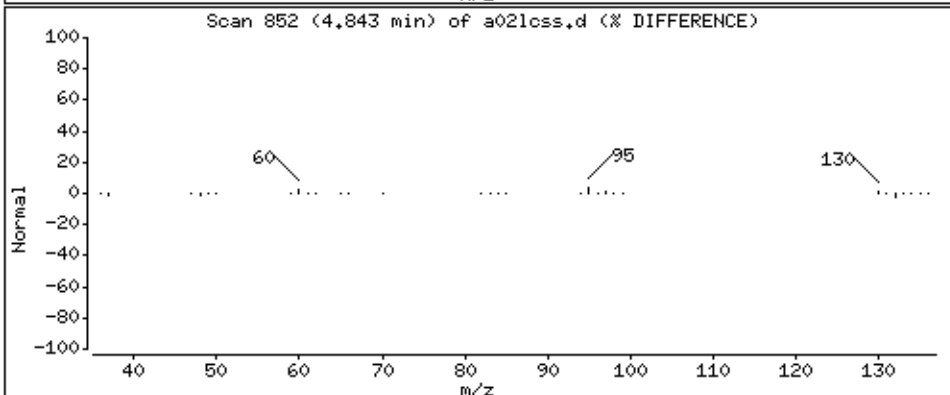
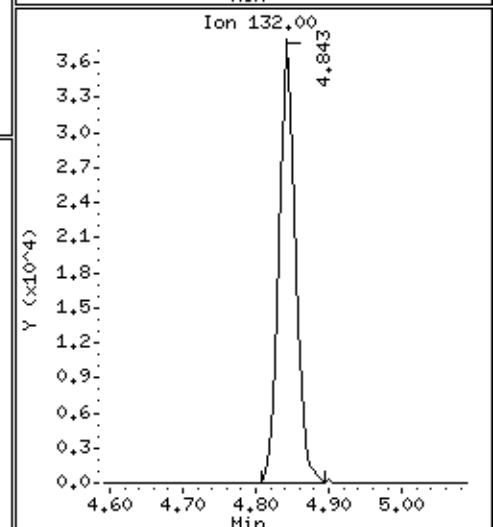
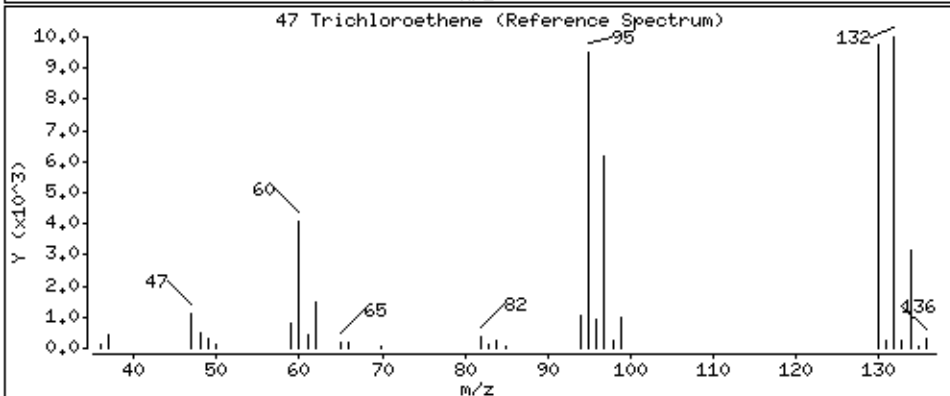
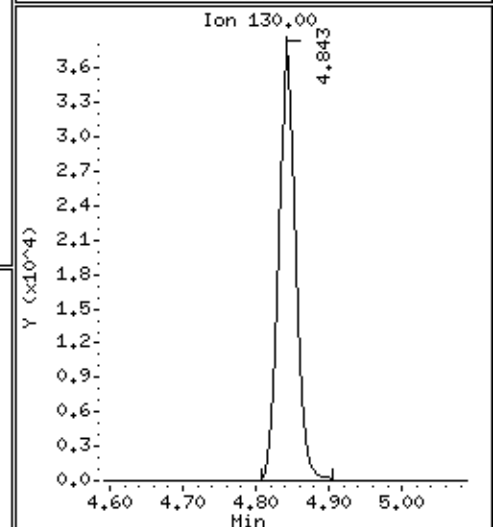
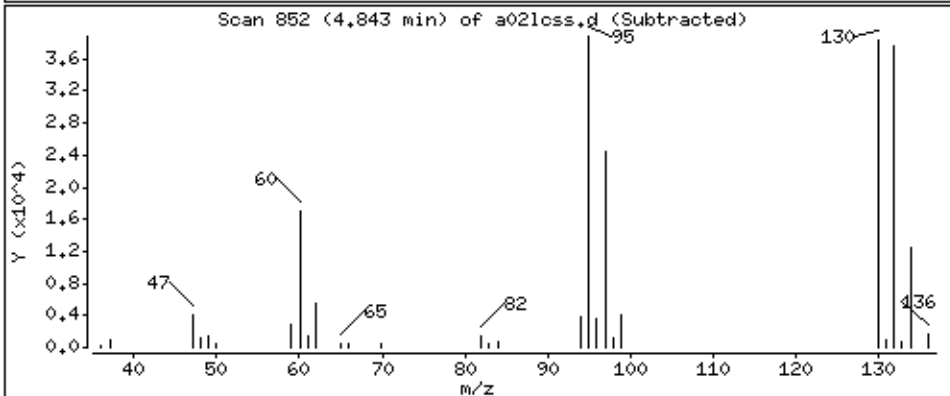
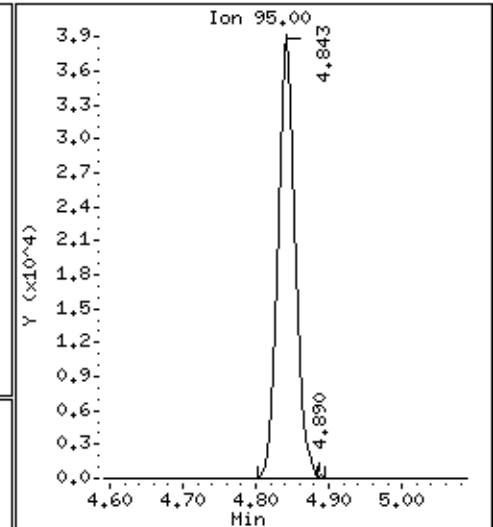
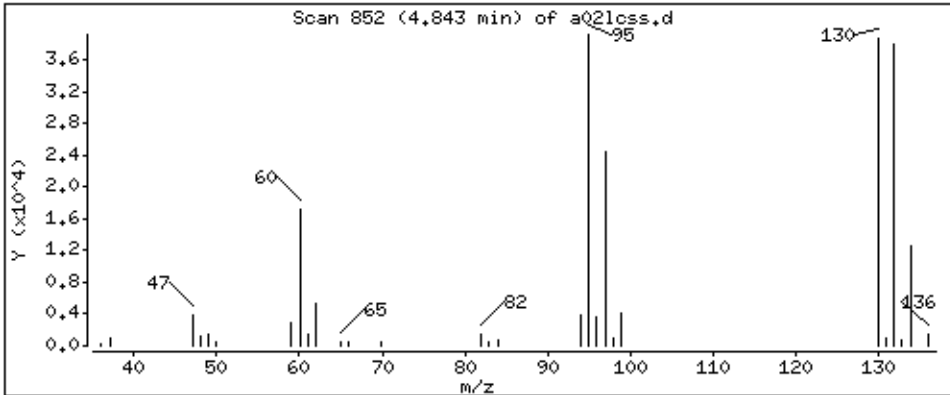
Operator: grm

Column phase: DB-624

Column diameter: 0,18

47 Trichloroethene

Concentration: 41.6 ppb



Date : 03-JUL-2014 12:49

Client ID: LCSs,71089;5

Instrument: 50mv1a.i

Sample Info: 1123501,71089;5

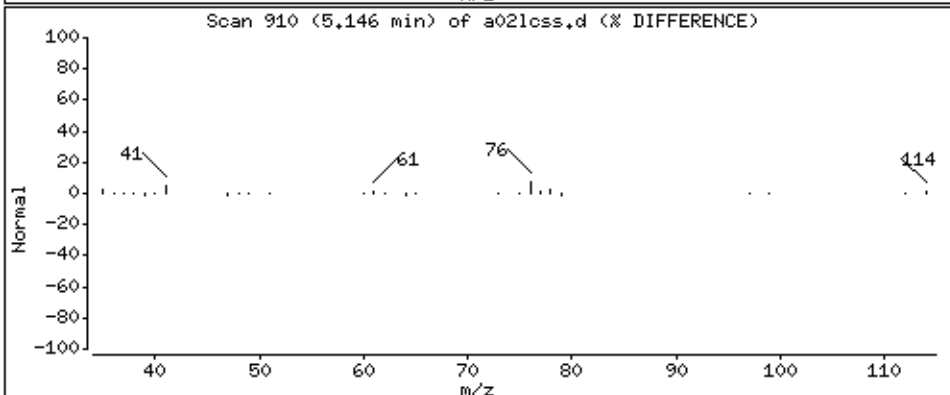
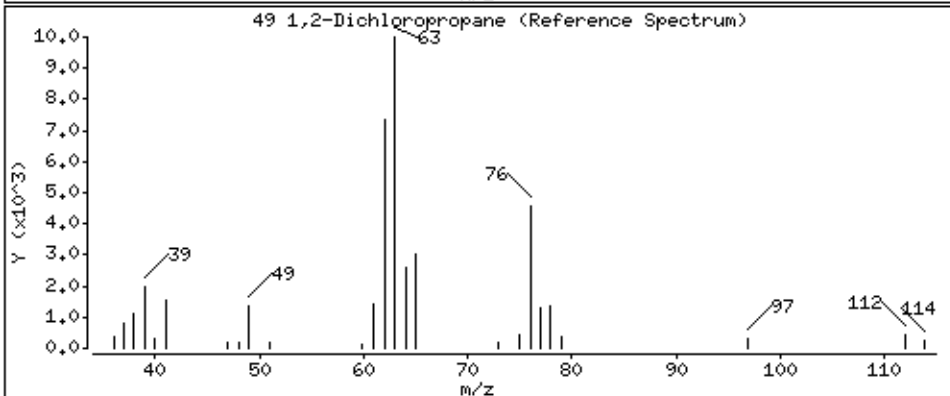
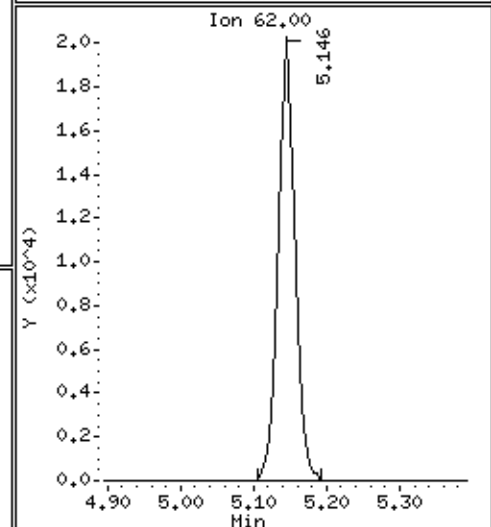
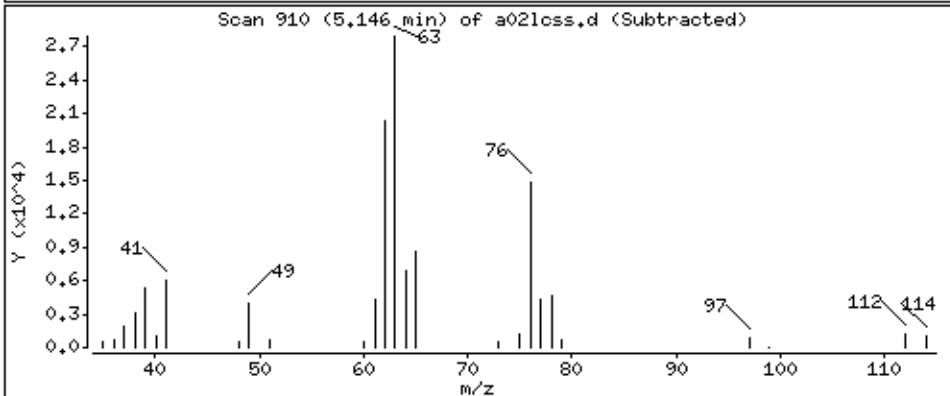
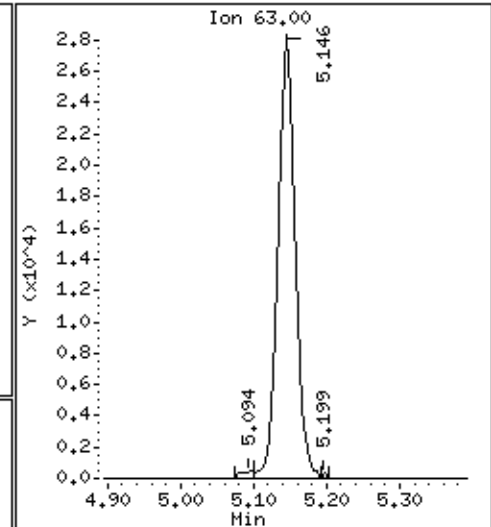
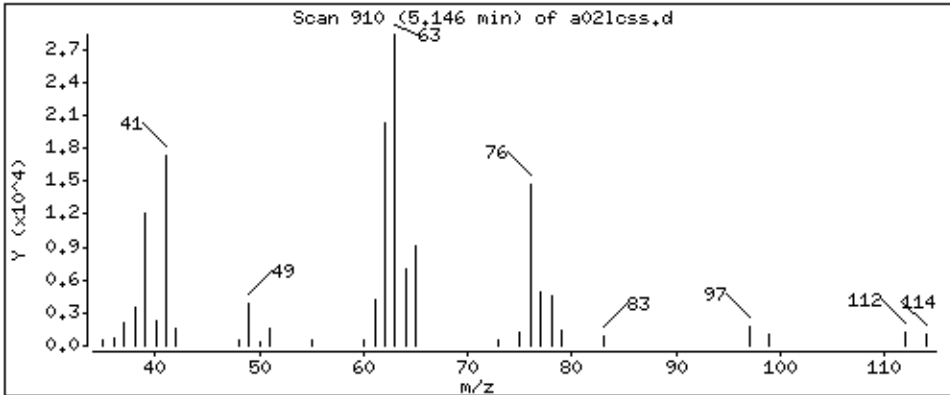
Operator: grm

Column phase: DB-624

Column diameter: 0,18

49 1,2-Dichloropropane

Concentration: 41.4 ppb



Date : 03-JUL-2014 12:49

Client ID: LCSs,71089;5

Instrument: 50mv1a.i

Sample Info: 1123501,71089;5

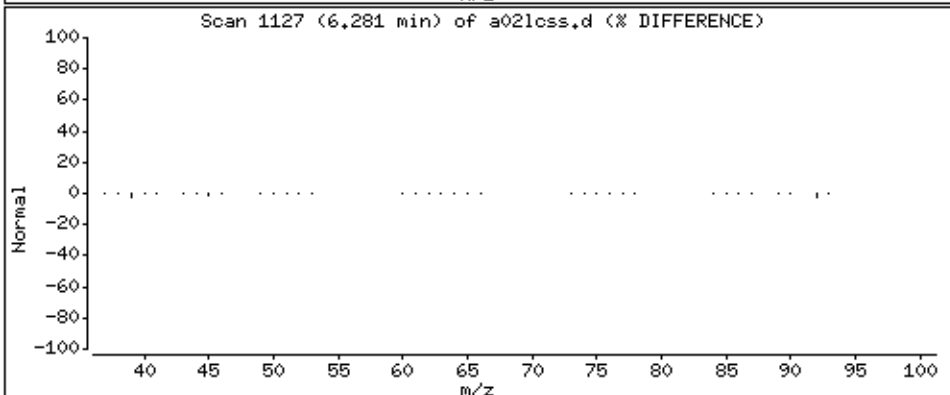
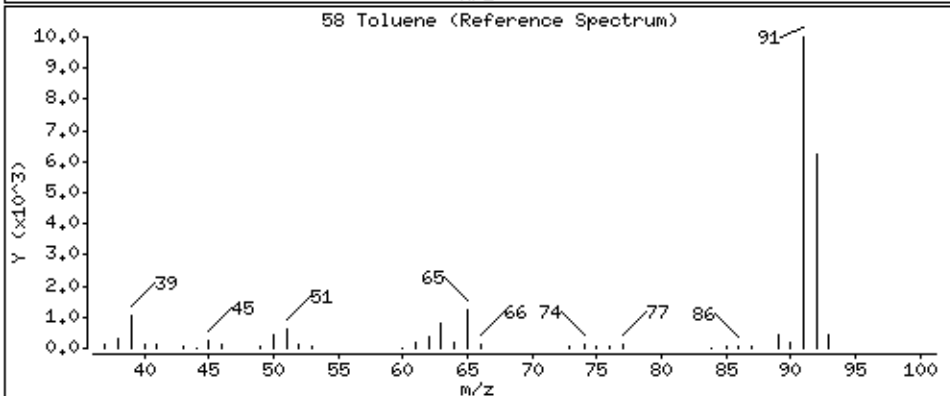
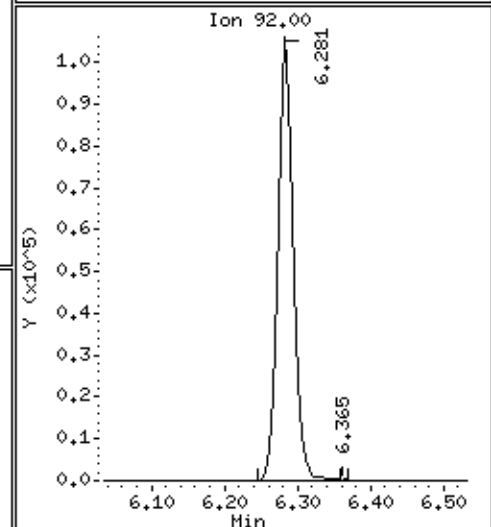
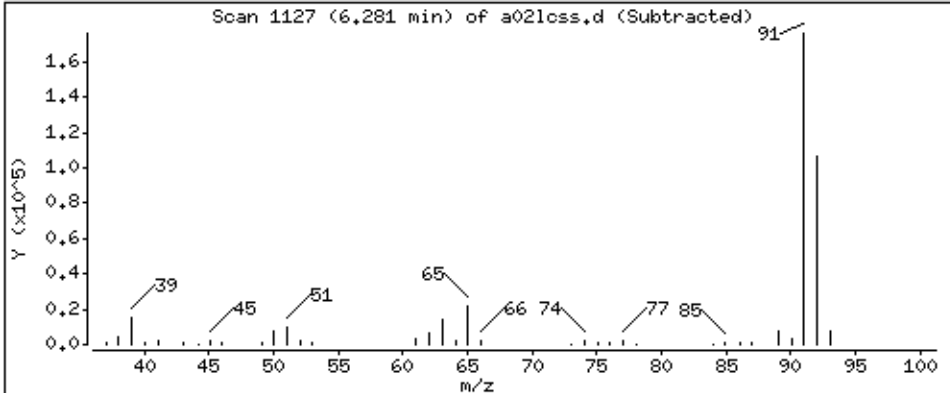
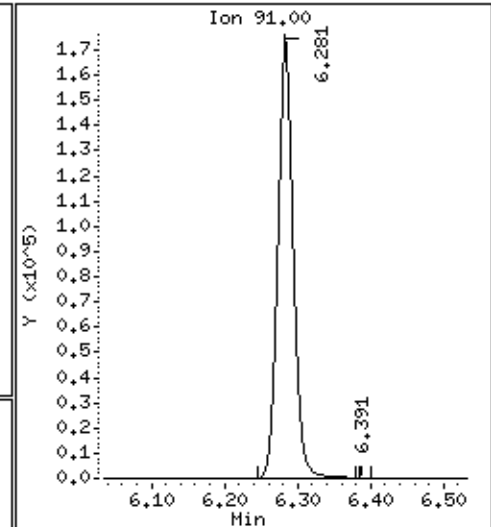
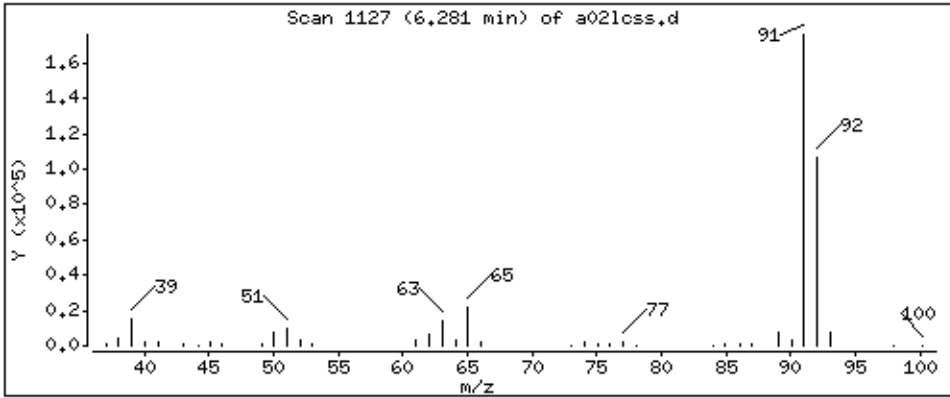
Operator: grm

Column phase: DB-624

Column diameter: 0,18

58 Toluene

Concentration: 43.3 ppb



Date : 03-JUL-2014 12:49

Client ID: LCSs,71089;5

Instrument: 50mv1a.i

Sample Info: 1123501,71089;5

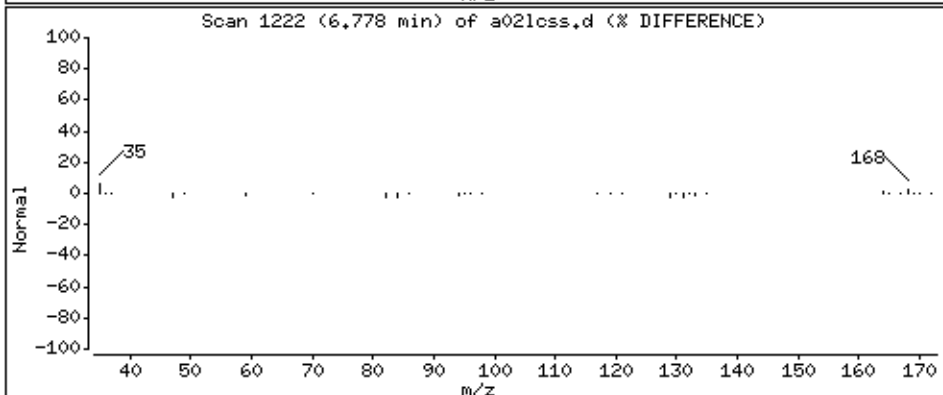
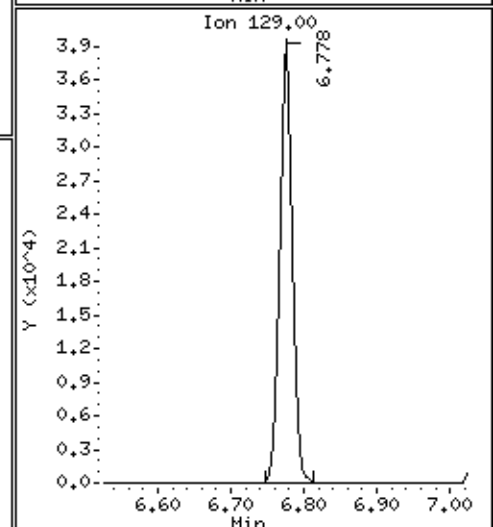
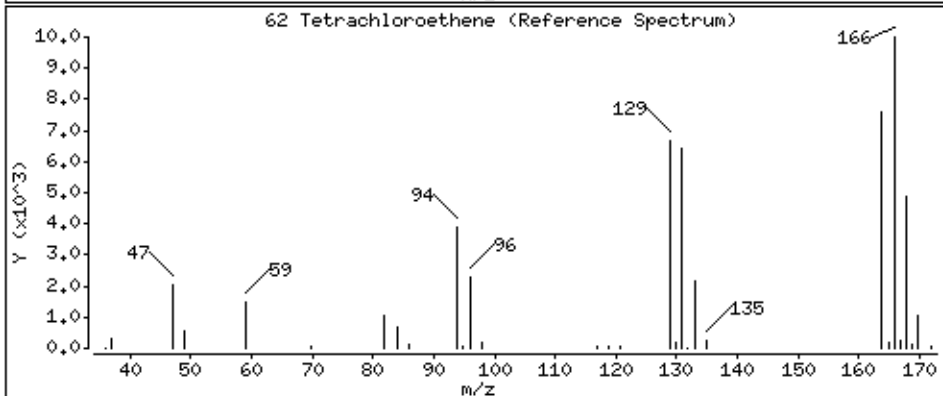
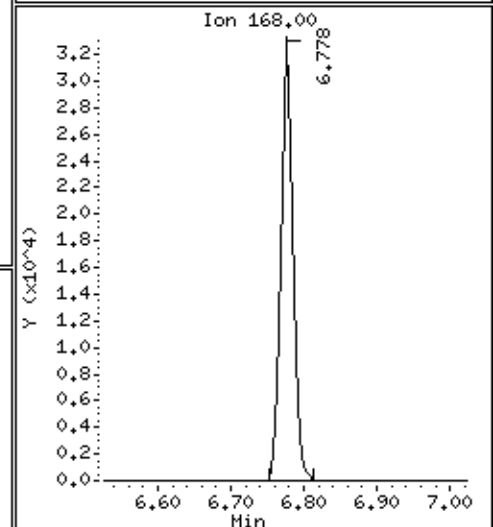
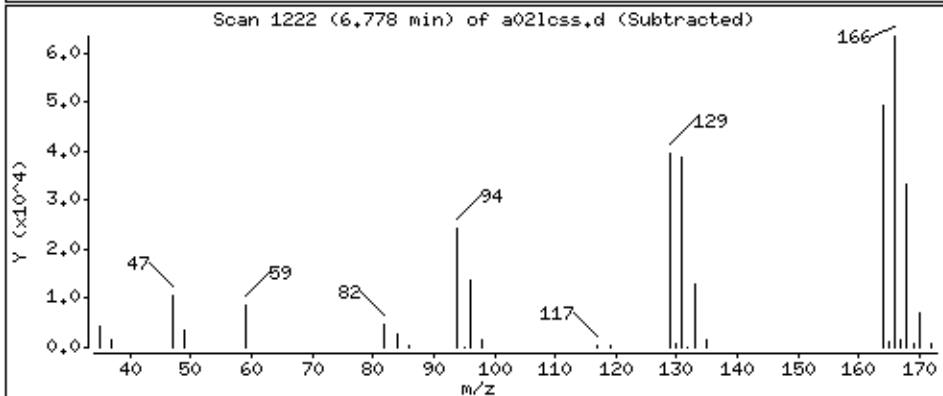
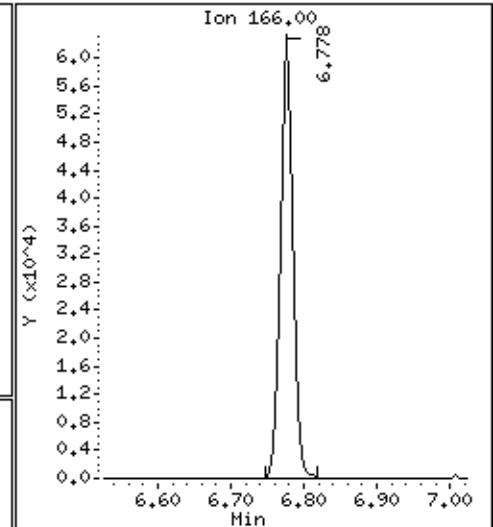
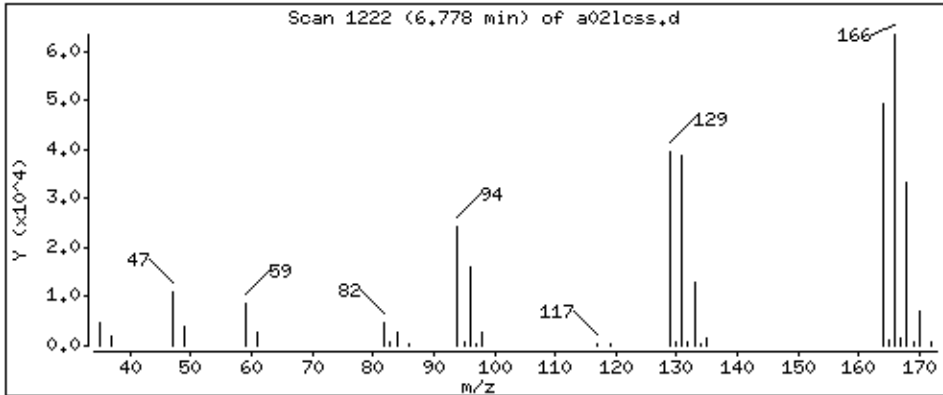
Operator: grm

Column phase: DB-624

Column diameter: 0,18

62 Tetrachloroethene

Concentration: 41.9 ppb



Date : 03-JUL-2014 12:49

Client ID: LCSs,71089;5

Instrument: 50mv1a.i

Sample Info: 1123501,71089;5

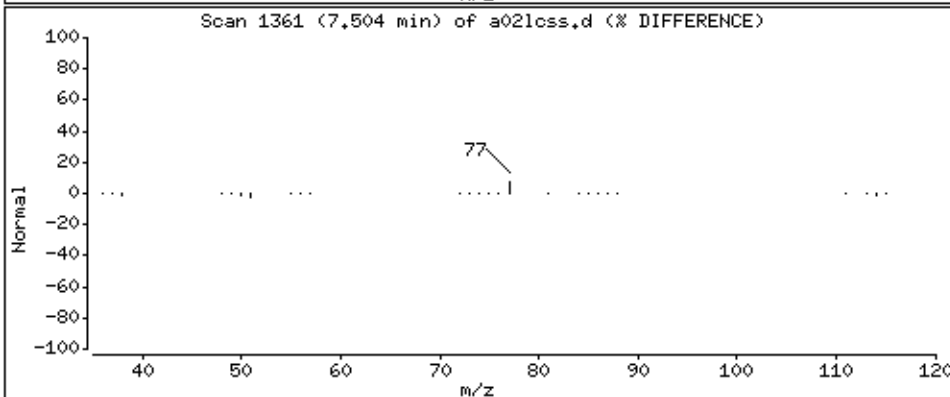
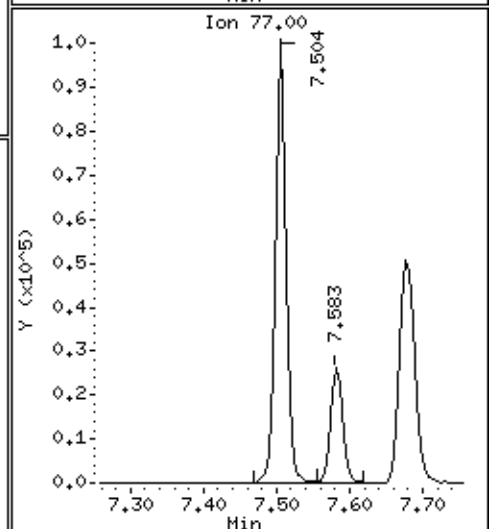
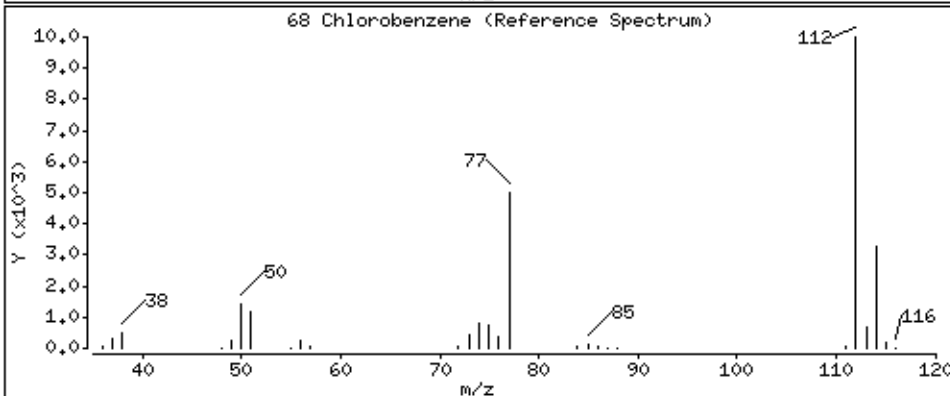
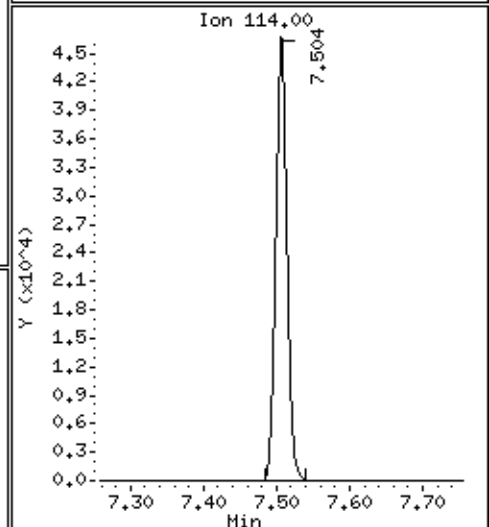
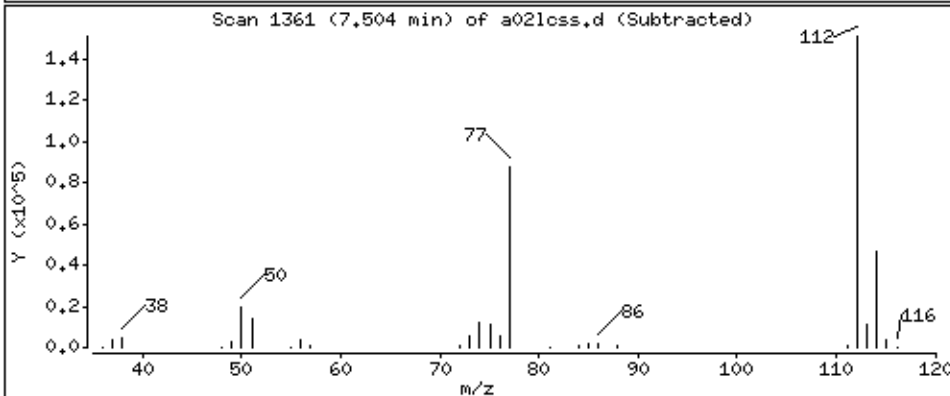
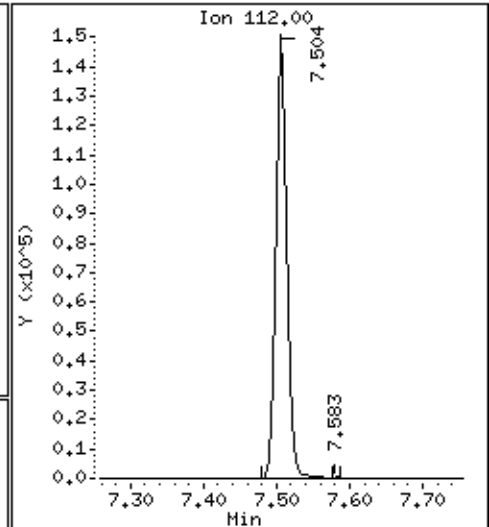
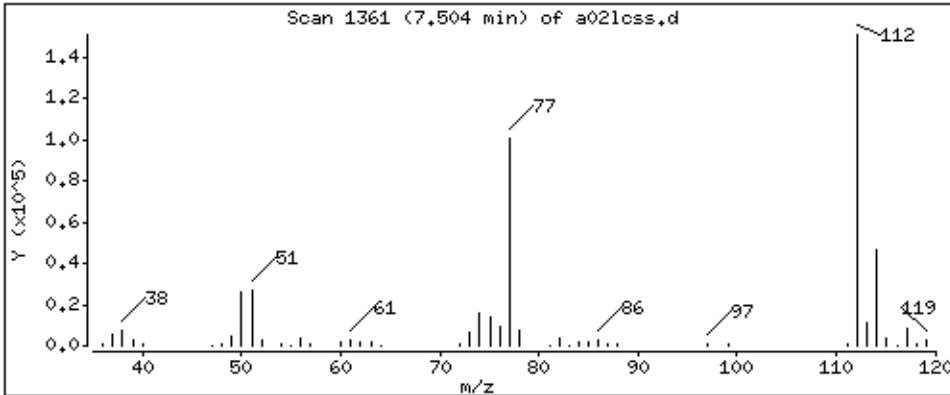
Operator: grm

Column phase: DB-624

Column diameter: 0,18

68 Chlorobenzene

Concentration: 43,8 ppb



Date : 03-JUL-2014 12:49

Client ID: LCSs,71089;5

Instrument: 50mv1a.i

Sample Info: 1123501,71089;5

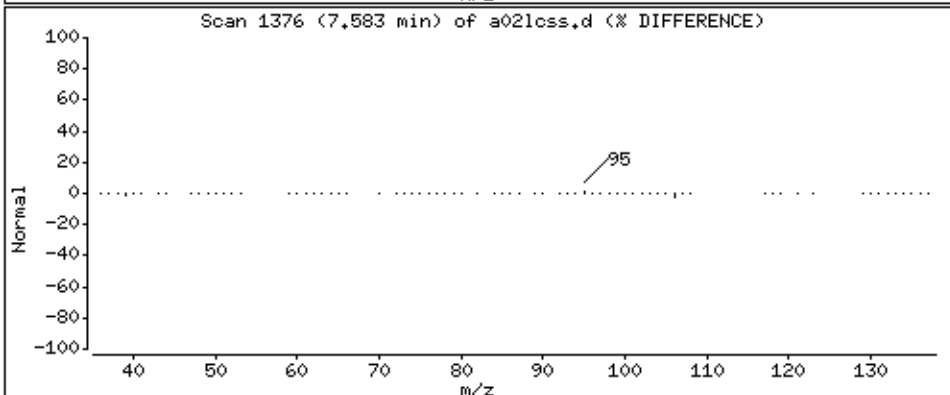
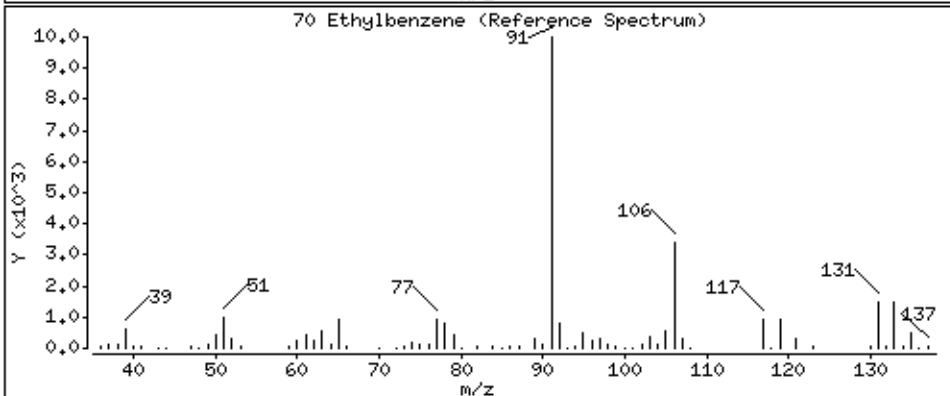
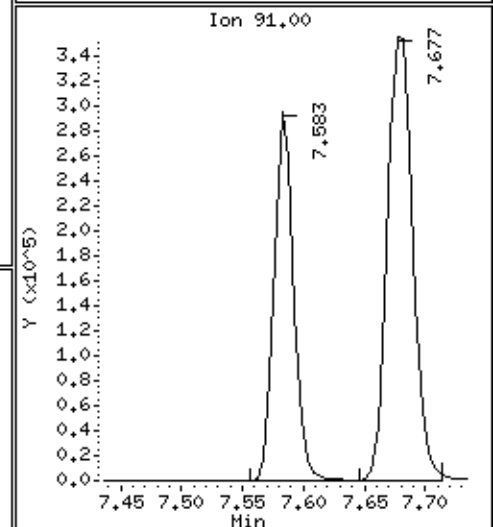
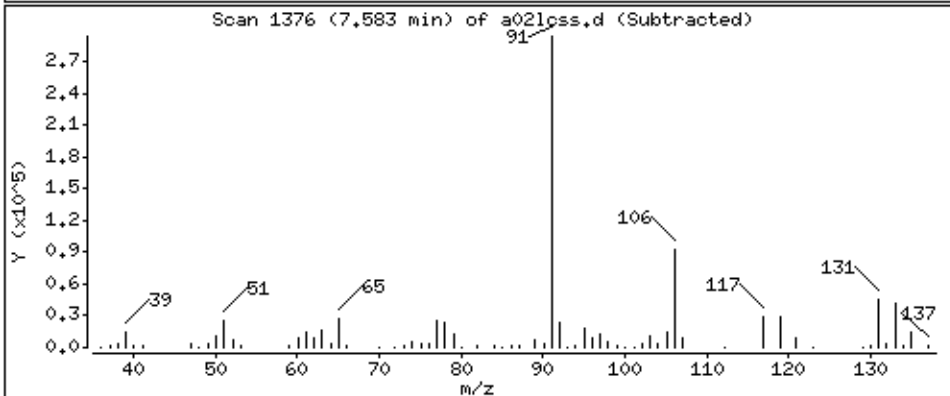
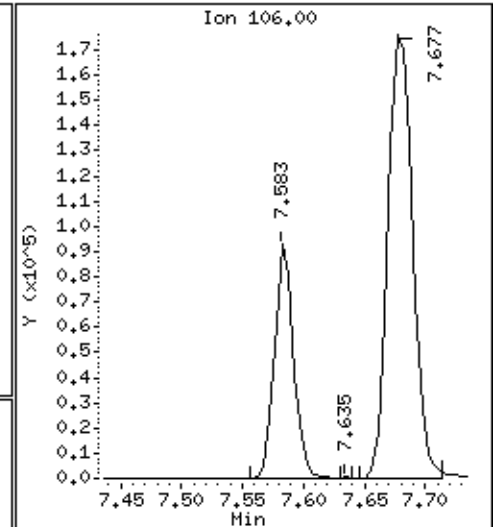
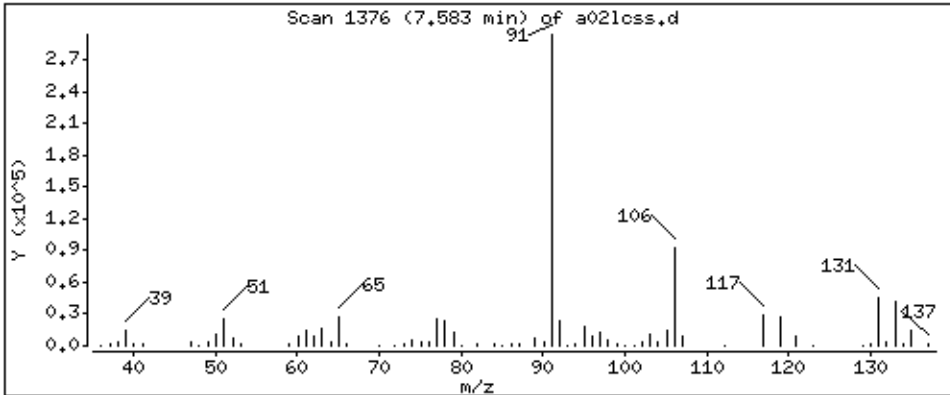
Operator: grm

Column phase: DB-624

Column diameter: 0,18

70 Ethylbenzene

Concentration: 45,5 ppb



Date : 03-JUL-2014 12:49

Client ID: LCSs,71089;5

Instrument: 50mv1a.i

Sample Info: 1123501,71089;5

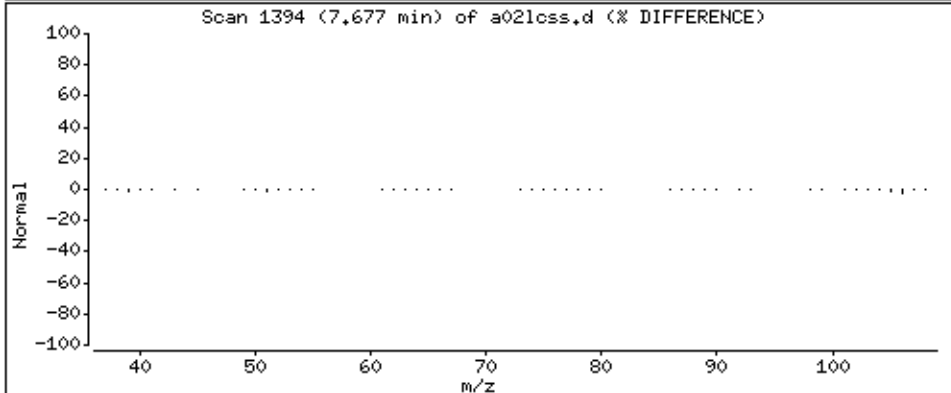
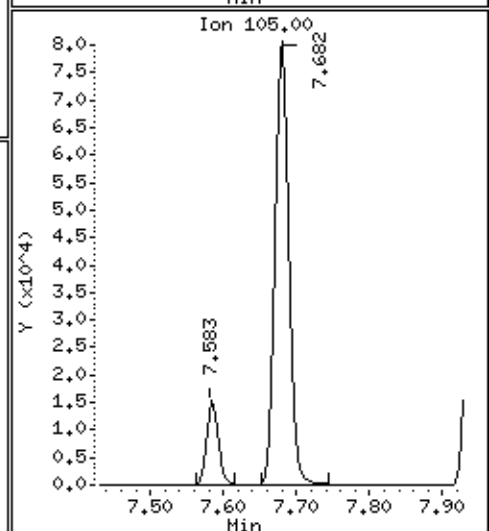
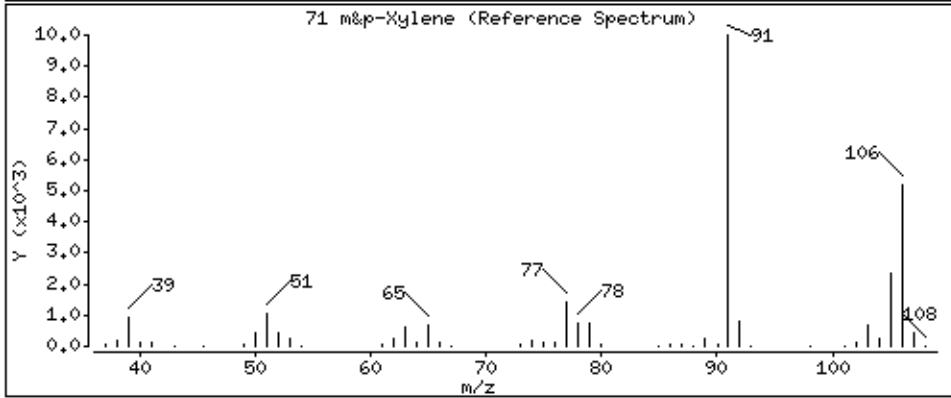
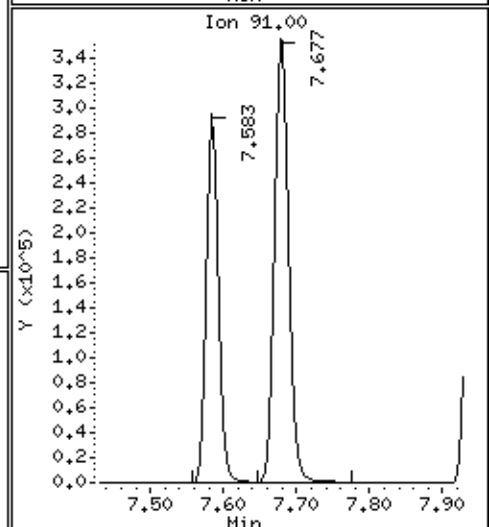
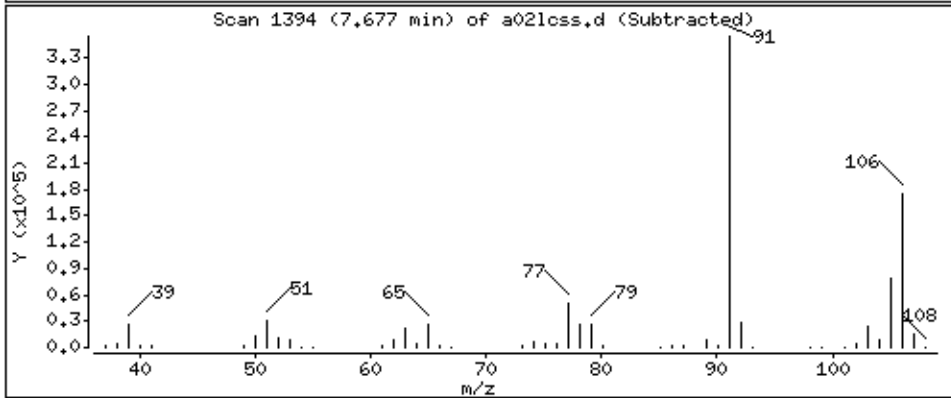
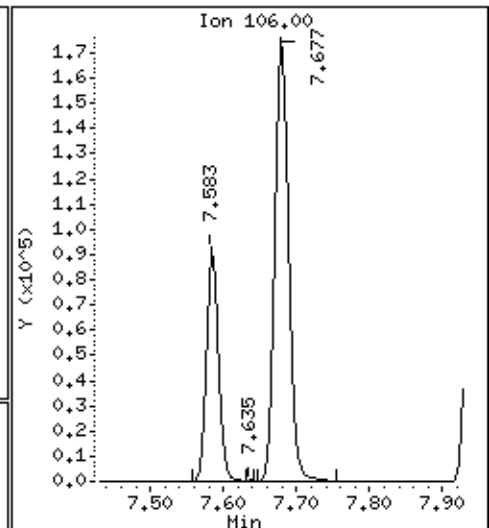
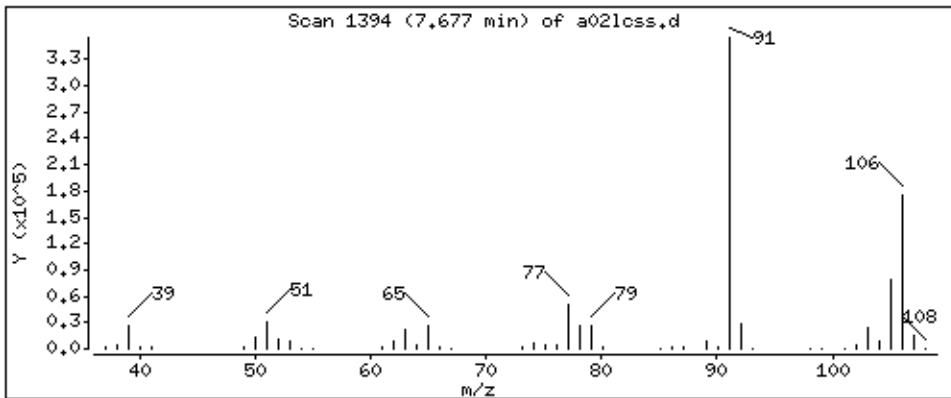
Operator: grm

Column phase: DB-624

Column diameter: 0,18

71 m&p-Xylene

Concentration: 91,5 ppb



Date : 03-JUL-2014 12:49

Client ID: LCSs,71089;5

Instrument: 50mv1a.i

Sample Info: 1123501,71089;5

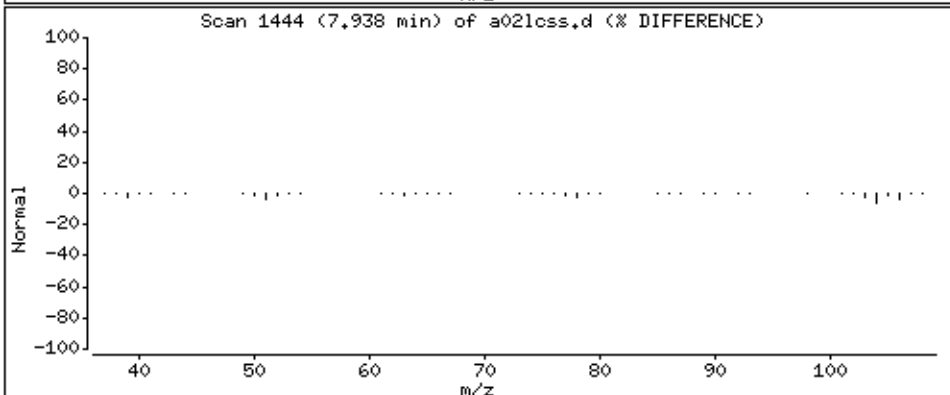
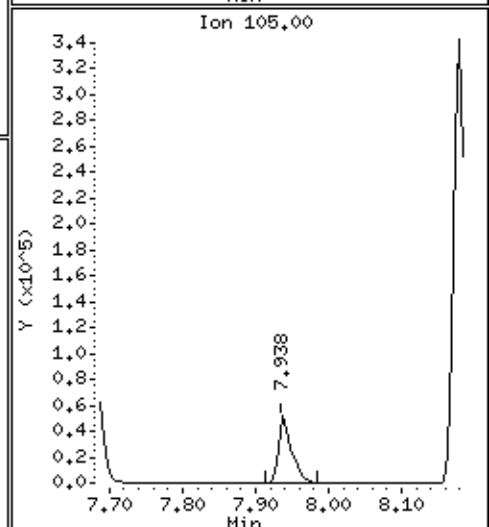
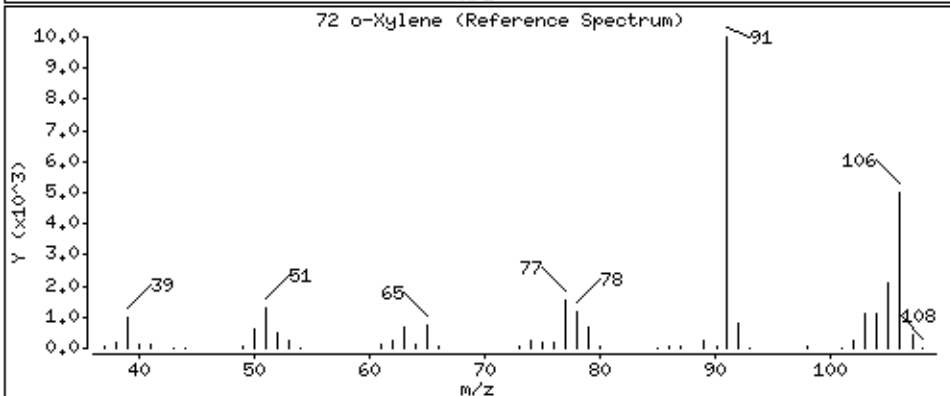
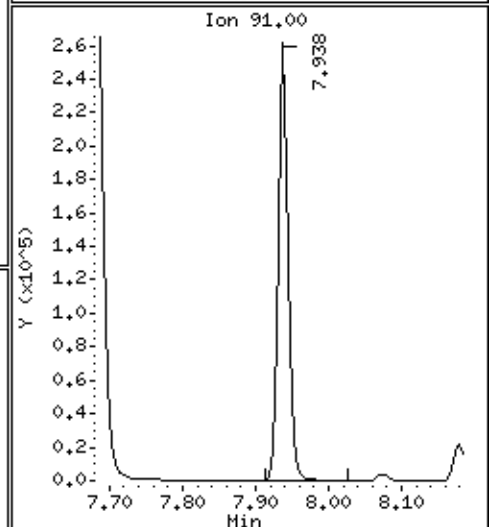
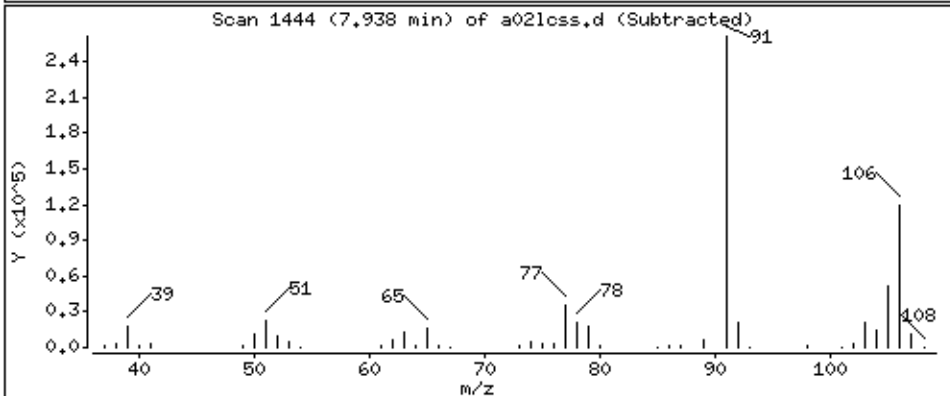
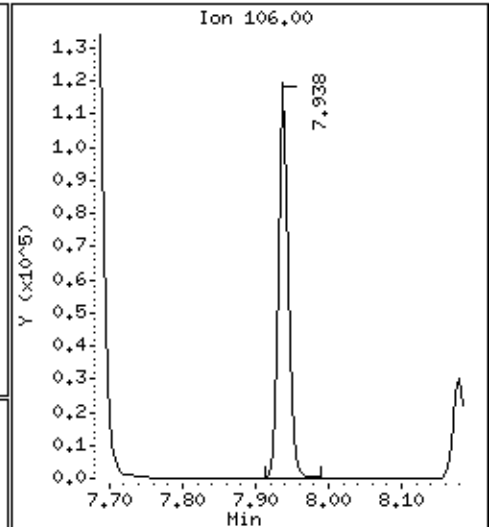
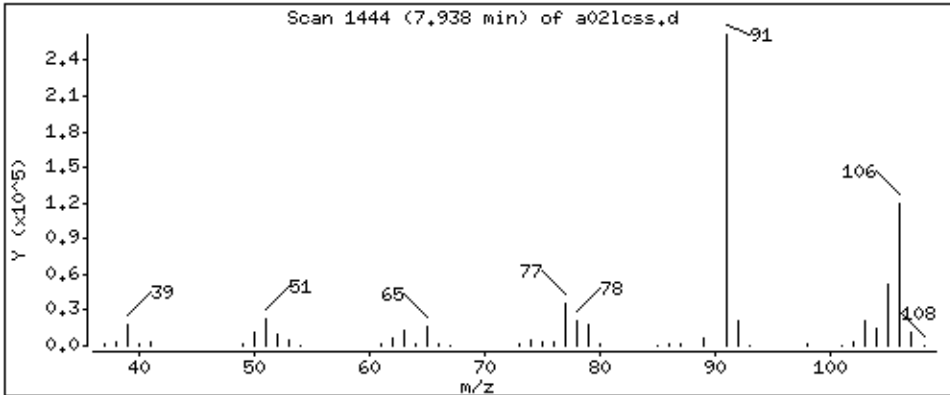
Operator: grm

Column phase: DB-624

Column diameter: 0,18

72 o-Xylene

Concentration: 48,5 ppb



Date : 03-JUL-2014 12:49

Client ID: LCSs,71089;5

Instrument: 50mv1a.i

Sample Info: 1123501,71089;5

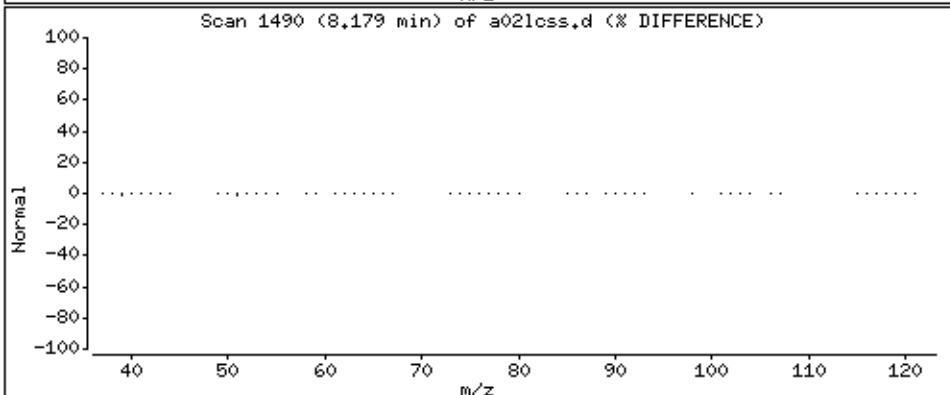
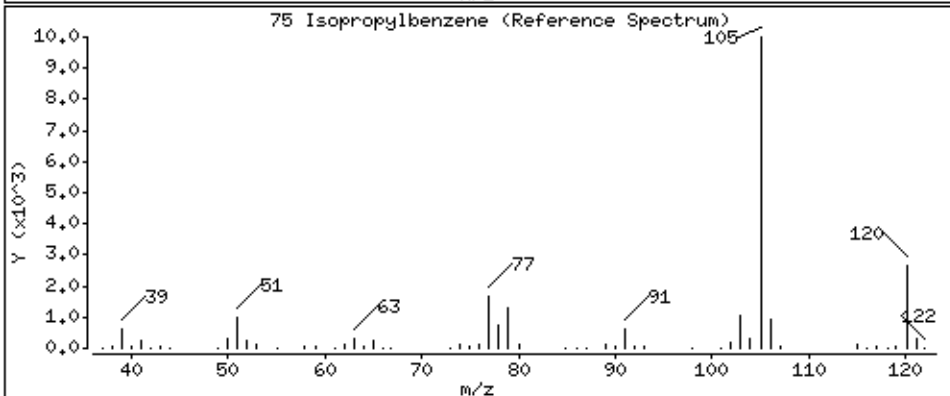
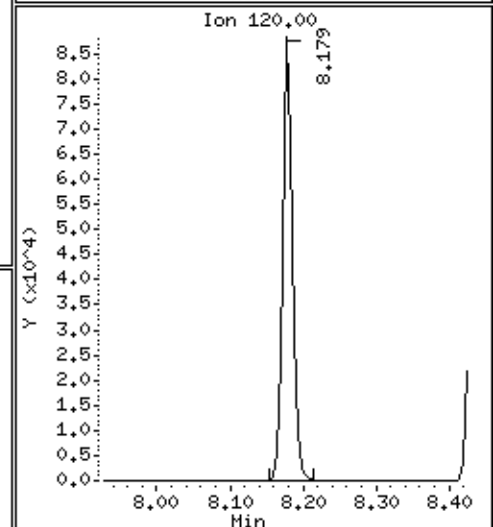
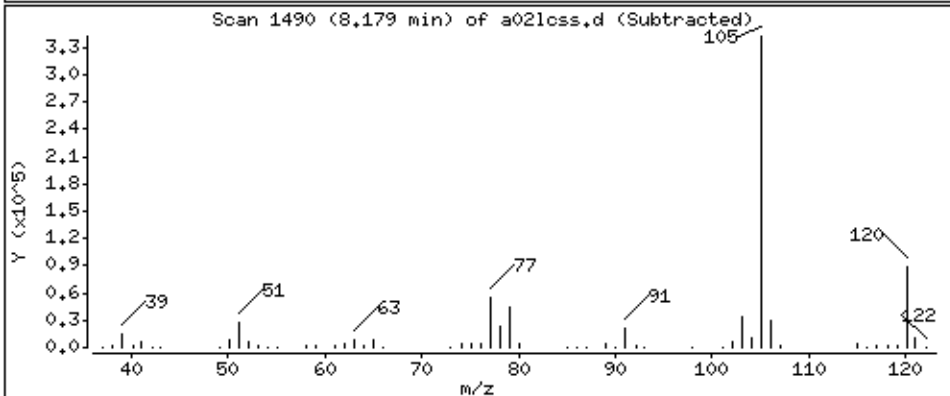
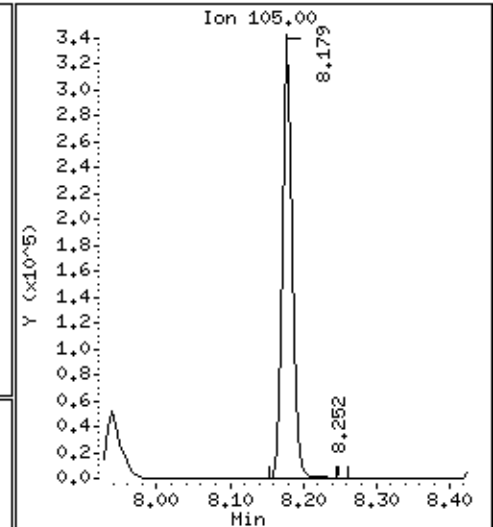
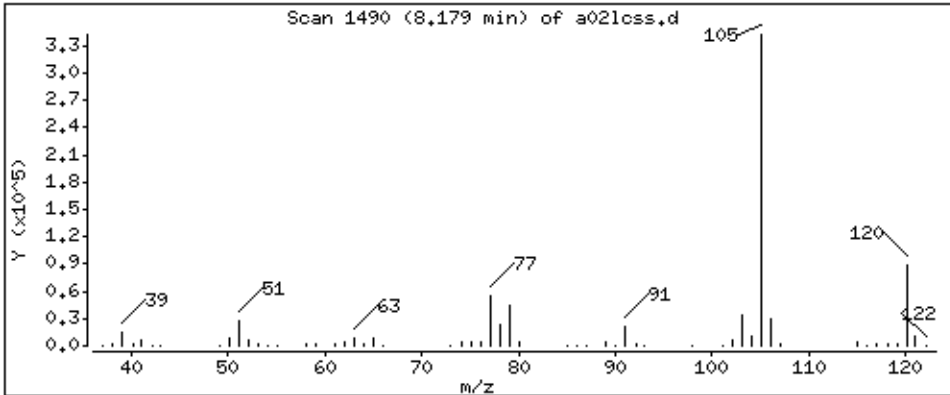
Operator: grm

Column phase: DB-624

Column diameter: 0,18

75 Isopropylbenzene

Concentration: 46,0 ppb



Date : 03-JUL-2014 12:49

Client ID: LCSs,71089;5

Instrument: 50mv1a.i

Sample Info: 1123501,71089;5

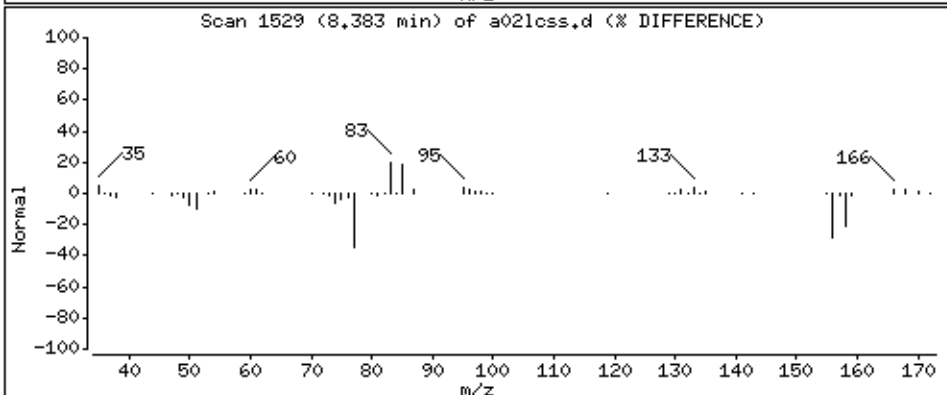
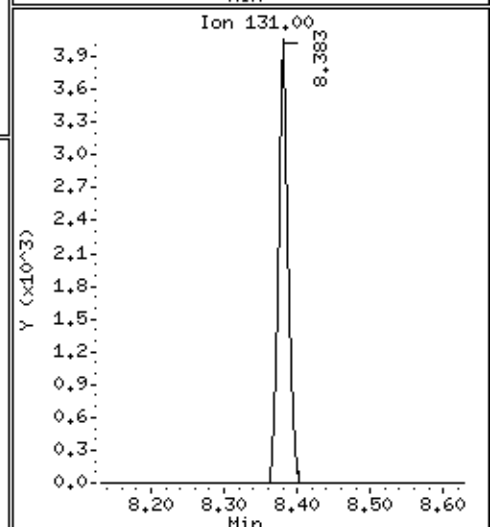
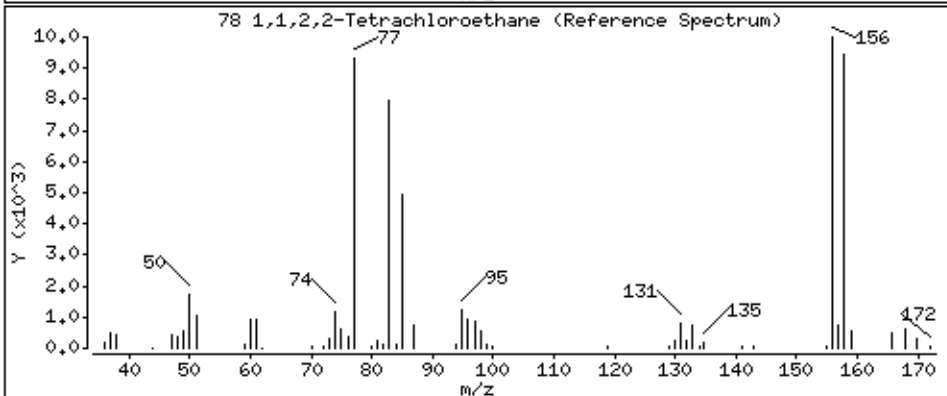
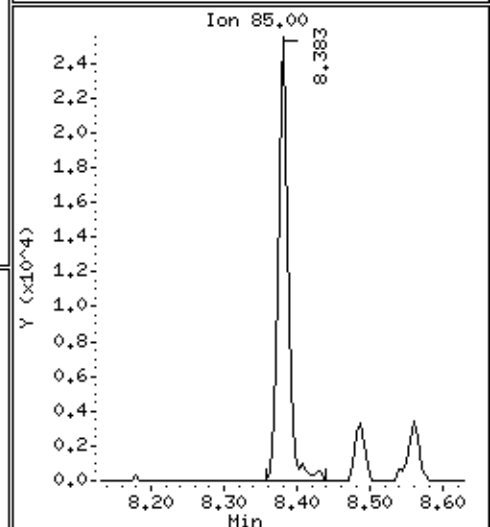
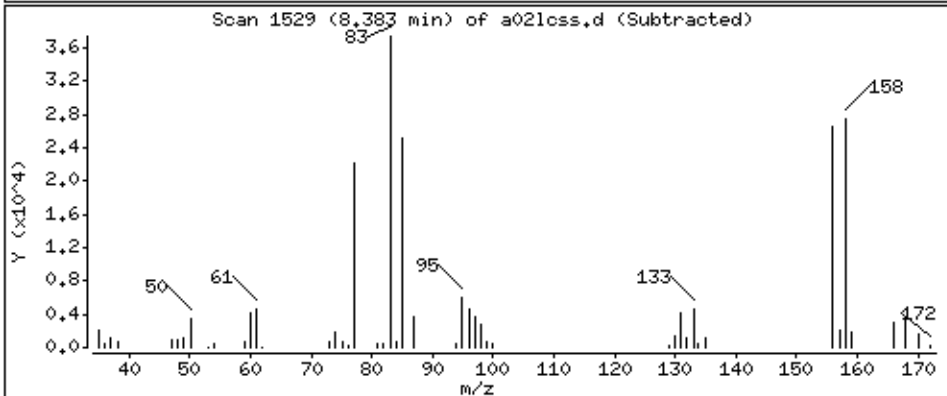
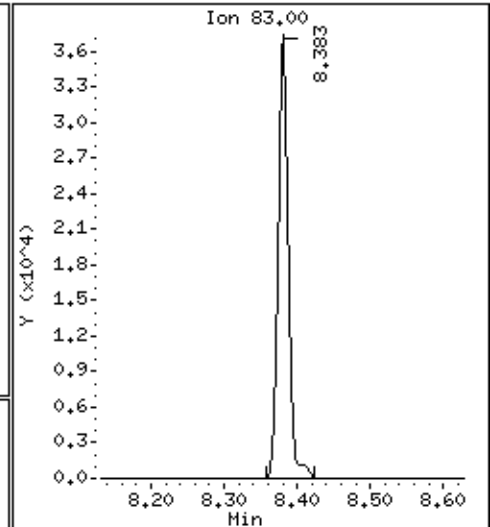
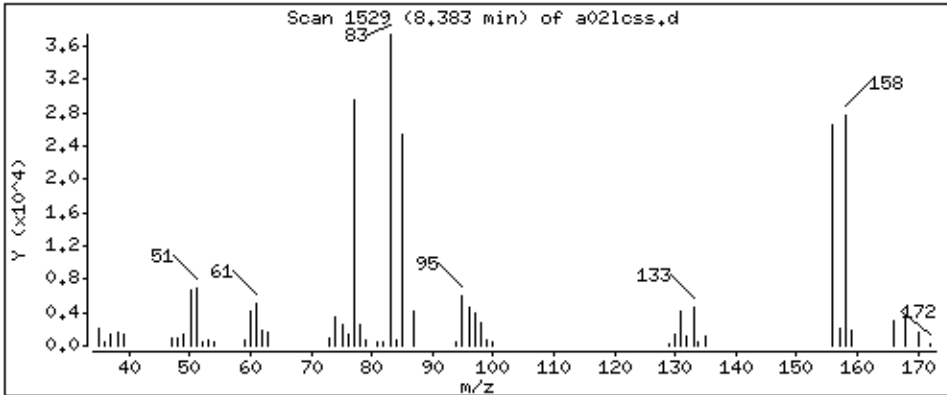
Operator: grm

Column phase: DB-624

Column diameter: 0,18

78 1,1,2,2-Tetrachloroethane

Concentration: 42,9 ppb



Date : 03-JUL-2014 12:49

Client ID: LCSs,71089;5

Instrument: 50mv1a.i

Sample Info: 1123501,71089;5

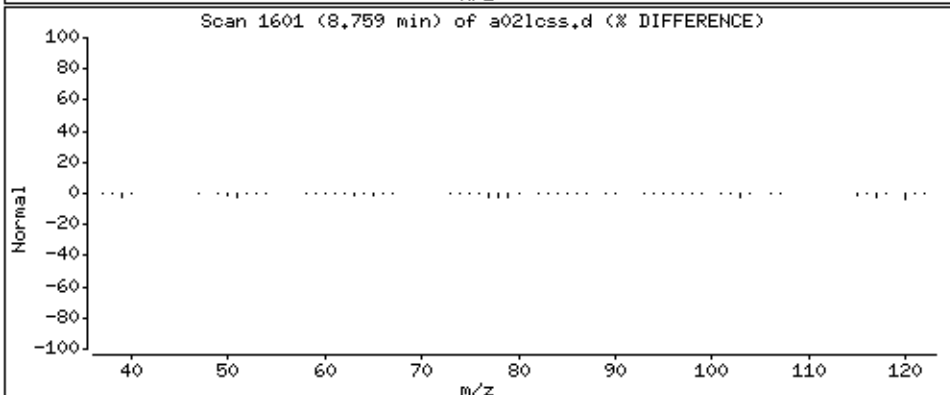
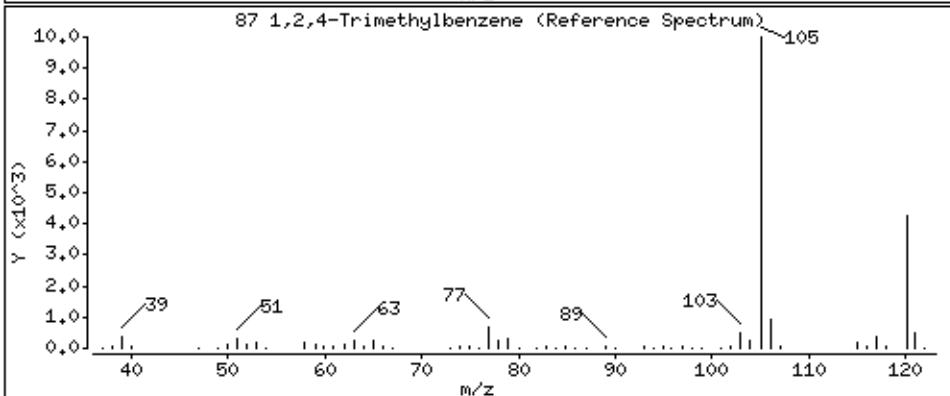
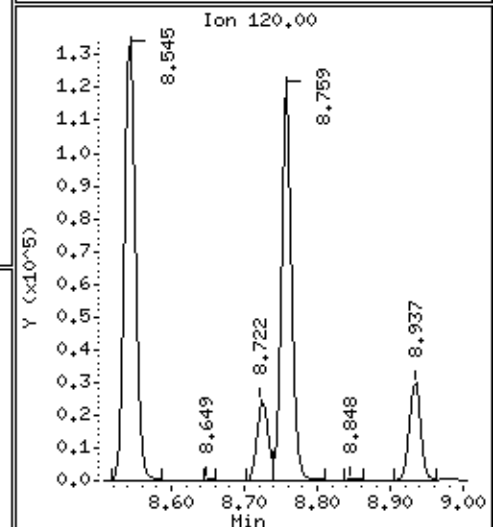
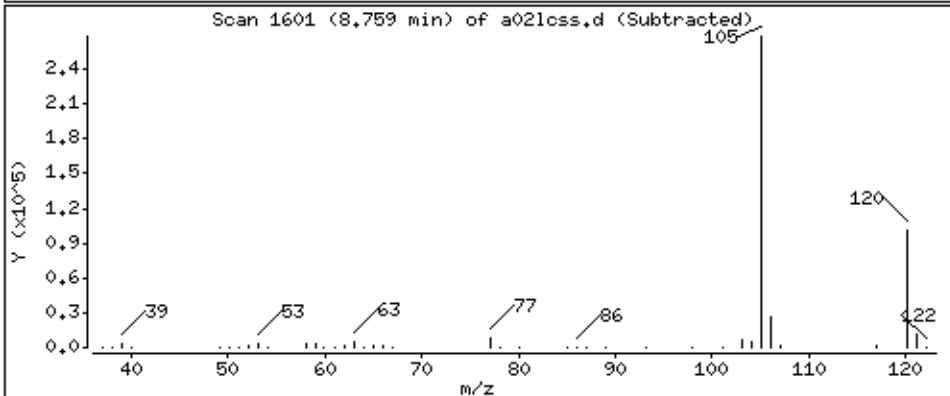
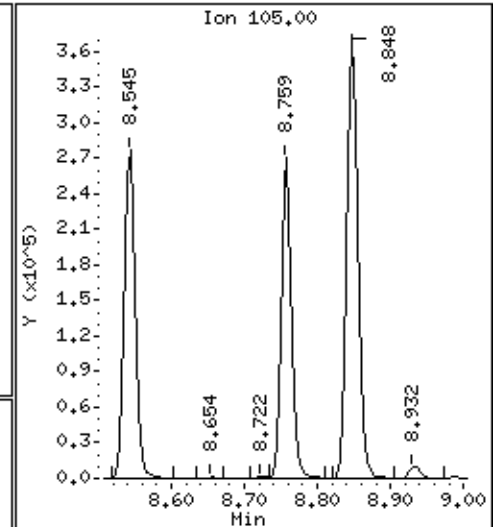
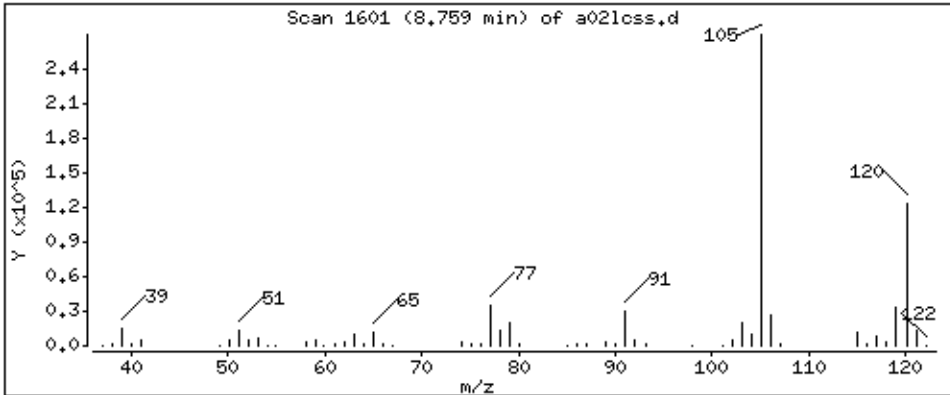
Operator: grm

Column phase: DB-624

Column diameter: 0,18

87 1,2,4-Trimethylbenzene

Concentration: 47,1 ppb



Date : 03-JUL-2014 12:49

Client ID: LCSs,71089;5

Instrument: 50mv1a.i

Sample Info: 1123501,71089;5

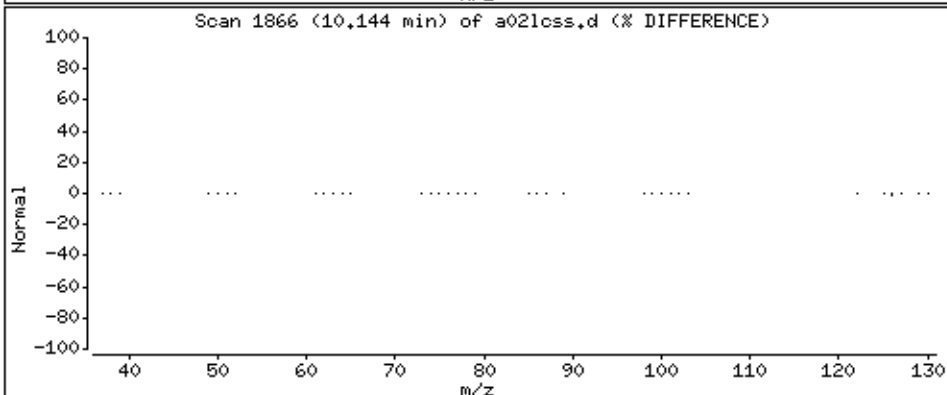
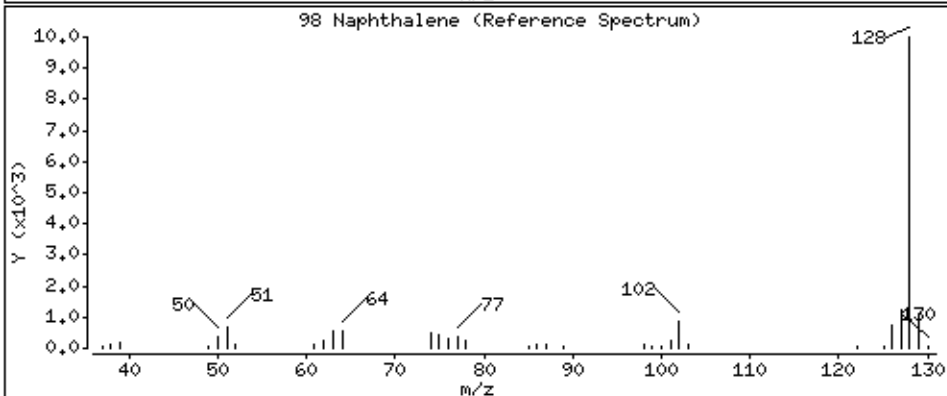
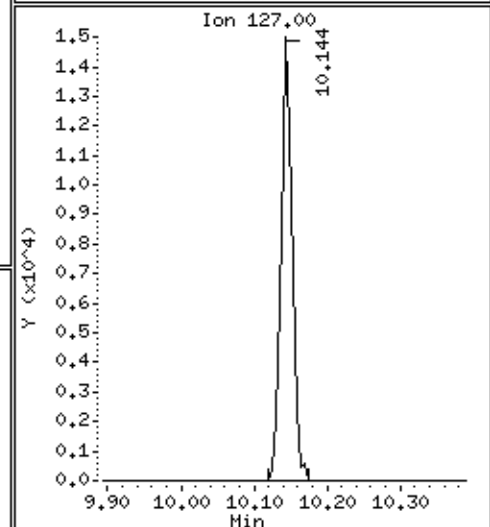
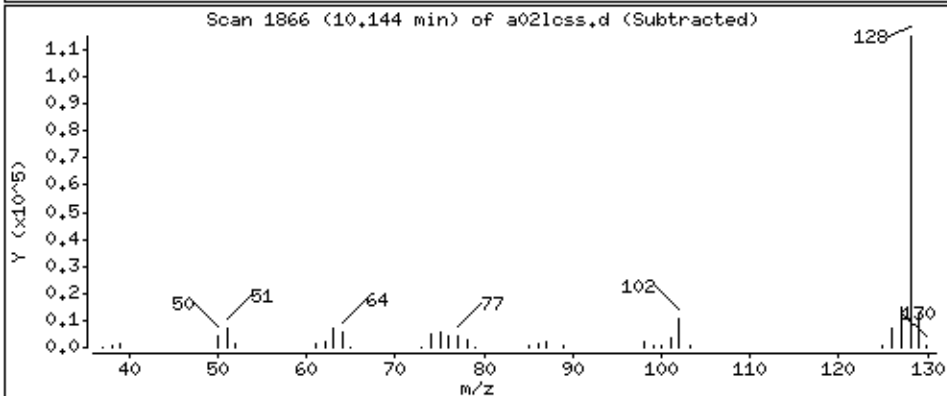
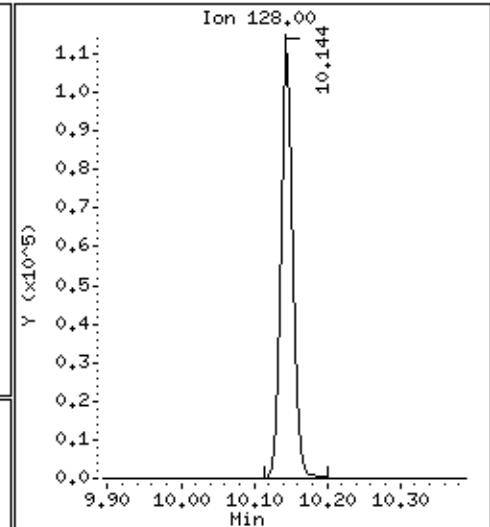
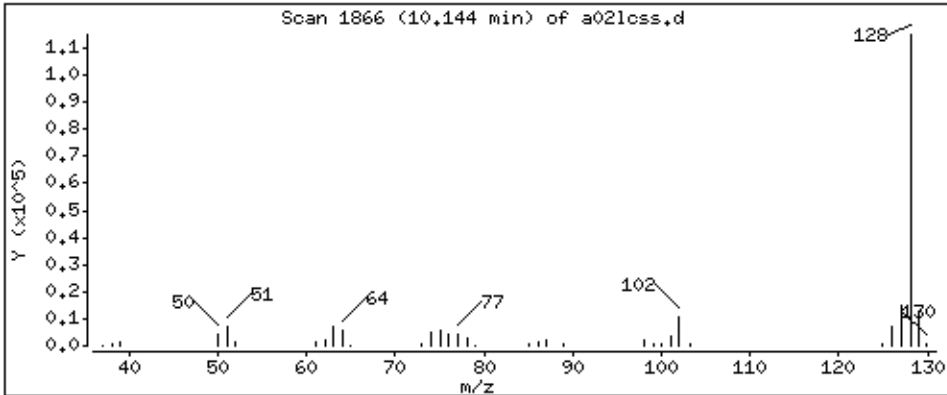
Operator: grm

Column phase: DB-624

Column diameter: 0,18

98 Naphthalene

Concentration: 46,4 ppb



Data File: \\192.168.50.6\chem\50mv1a.i\a070314.b/a021css.d
Injection Date: 03-JUL-2014 12:49
Instrument: 50mv1a.i
Lab Sample ID: 1123501,71089:5
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 22:47
 Date Analyzed: 07/01/2014 22:47
 Initial wt/vol: 5 g Final wt/vol: 5 mL Dilution: 1

Contract: Sibley - Accucast
 Matrix: Solid SDG No.: 5099627
 Lab Sample ID: 1121338
 Lab File ID: B070114.BD02LCS.D
 Instrument: 50MV1B Percent Moisture: _____

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
71-43-2	Benzene	48.7	
108-90-7	Chlorobenzene	46.3	
67-66-3	Chloroform	45.4	
75-35-4	1,1-Dichloroethene	44.4	
78-87-5	1,2-Dichloropropane	43.6	
100-41-4	Ethylbenzene	47.0	
98-82-8	Isopropylbenzene (Cumene)	49.7	
1634-04-4	Methyl-tert-butyl ether	91.3	
91-20-3	Naphthalene	50.4	
79-34-5	1,1,2,2-Tetrachloroethane	45.2	
127-18-4	Tetrachloroethene	43.4	
108-88-3	Toluene	45.9	
71-55-6	1,1,1-Trichloroethane	46.0	
79-01-6	Trichloroethene	46.8	
95-63-6	1,2,4-Trimethylbenzene	48.3	
75-01-4	Vinyl chloride	47.9	
1330-20-7	Xylene (Total)	145	

Pace Analytical Services, Inc.

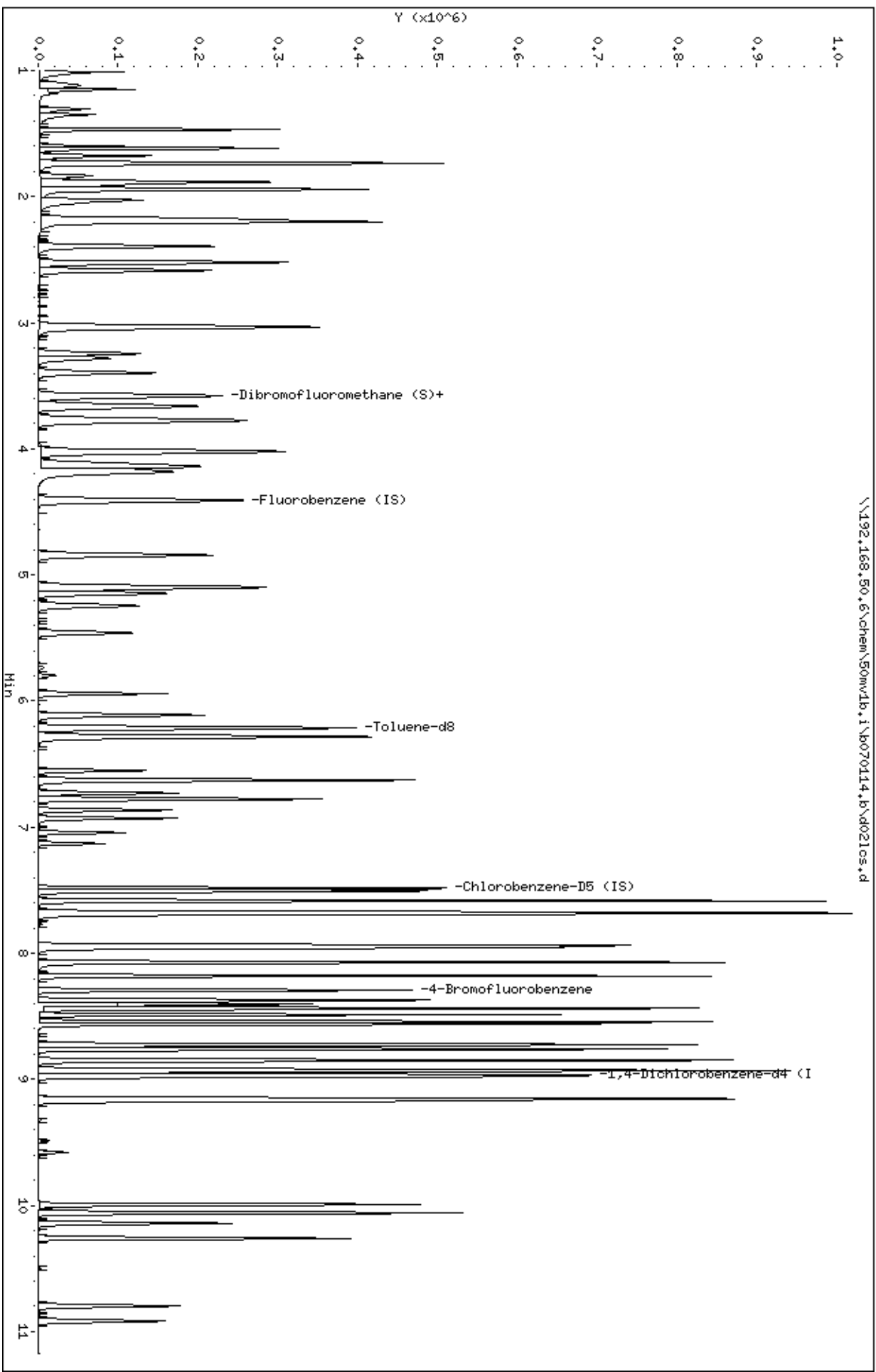
Data file : \\192.168.50.6\chem\50mv1b.i\b070114.b\d021cs.d
 Lab Smp Id: 1121338,71089:5 Client Smp ID: LCSs,71089:5
 Inj Date : 01-JUL-2014 22:47
 Operator : grm Inst ID: 50mv1b.i
 Smp Info : 1121338,71089:5
 Misc Info : 66379
 Comment :
 Method : \\192.168.50.6\chem\50mv1b.i\b070114.b\b8260_a_c.m
 Meth Date : 02-Jul-2014 13:18 50mv1b.i Quant Type: ISTD
 Cal Date : 19-JUN-2014 18:01 Cal File: b08cal.d
 Als bottle: 48 QC Sample: LCS
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: 8260ss.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
3 Vinyl Chloride	62		47.9114	47.9		1.146	1.146	(0.260)	81436
11 1,1-Dichloroethene	96		44.3657	44.4		1.737	1.737	(0.394)	57593
21 Methyl-tert-butyl ether	73		91.2969	91.3		2.192	2.192	(0.497)	213727
35 Chloroform	83		45.3989	45.4		3.394	3.394	(0.770)	121259
37 1,1,1-Trichloroethane	97		45.9546	46.0		3.577	3.577	(0.811)	102983
\$ 38 Dibromofluoromethane (S)	113		50.8057	50.8		3.583	3.588	(0.813)	59169
42 Benzene	78		48.7261	48.7		4.027	4.027	(0.913)	261782
* 46 Fluorobenzene (IS)	96		50.0000			4.409	4.408	(1.000)	244457
47 Trichloroethene	95		46.8423	46.8		4.843	4.842	(1.098)	73802
49 1,2-Dichloropropane	63		43.5897	43.6		5.146	5.146	(1.167)	52193
\$ 57 Toluene-d8	98		49.6703	49.7		6.212	6.212	(0.830)	249072
58 Toluene	91		45.9381	45.9		6.285	6.285	(0.839)	288171
62 Tetrachloroethene	166		43.4417	43.4		6.777	6.777	(0.905)	84725
* 67 Chlorobenzene-D5 (IS)	117		50.0000			7.488	7.488	(1.000)	190791
68 Chlorobenzene	112		46.3368	46.3		7.509	7.509	(1.003)	178028
70 Ethylbenzene	106		46.9638	47.0		7.582	7.587	(1.013)	102753
71 m&p-Xylene	106		94.8853	94.9		7.681	7.681	(1.026)	253804
72 o-Xylene	106		50.2890	50.3		7.937	7.937	(1.060)	128006
75 Isopropylbenzene	105		49.6899	49.7		8.178	8.178	(1.092)	363800
\$ 76 4-Bromofluorobenzene	95		49.2697	49.3		8.293	8.293	(1.107)	100031
79 1,1,2,2-Tetrachloroethane	83		45.2072	45.2		8.382	8.382	(0.935)	45152

Compounds	QUANT SIG	CONCENTRATIONS						REVIEW C
		MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ppb)	
=====	====	====	=====	=====	=====	=====	=====	=====
87 1,2,4-Trimethylbenzene	105	8.758	8.758	(0.977)	300267	48.2776	48.3	
* 91 1,4-Dichlorobenzene-d4 (IS)	152	8.967	8.967	(1.000)	108469	50.0000		
98 Naphthalene	128	10.144	10.144	(1.131)	148455	50.4056	50.4	



Date : 01-JUL-2014 22:47

Client ID: LCSs,71089;5

Instrument: 50mv1b.i

Sample Info: 1121338,71089;5

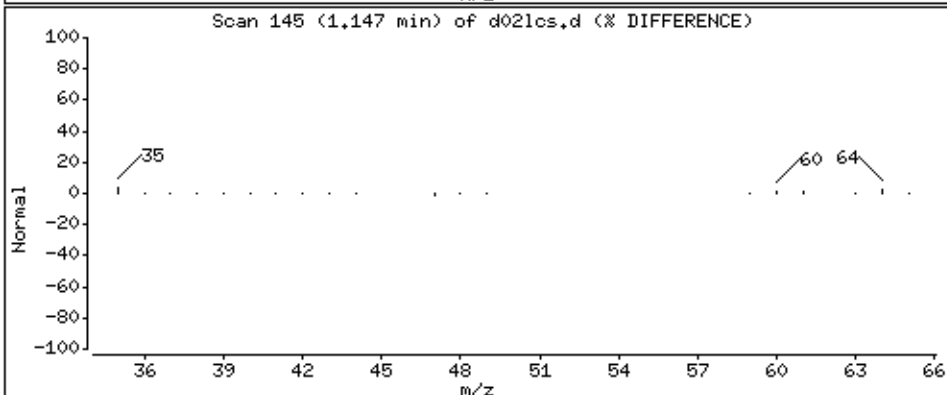
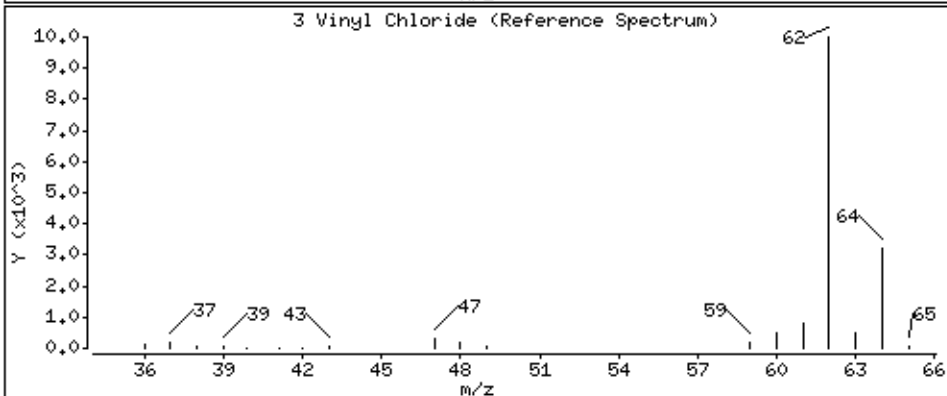
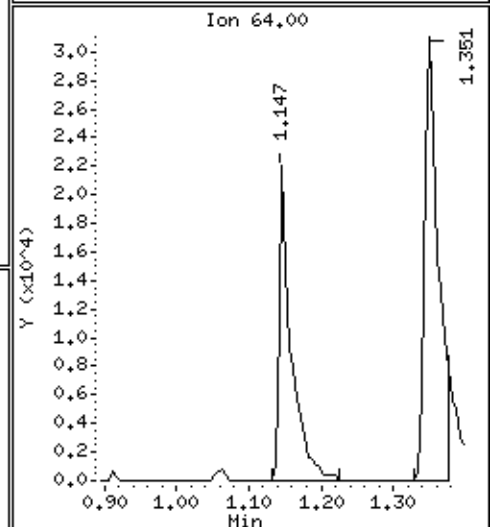
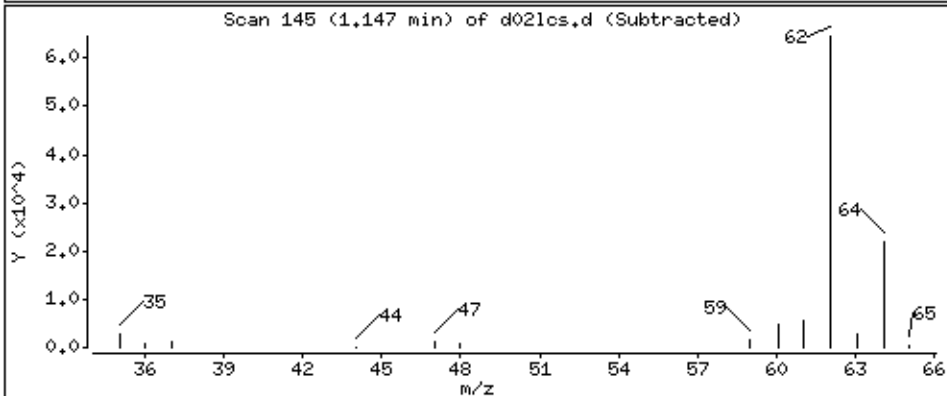
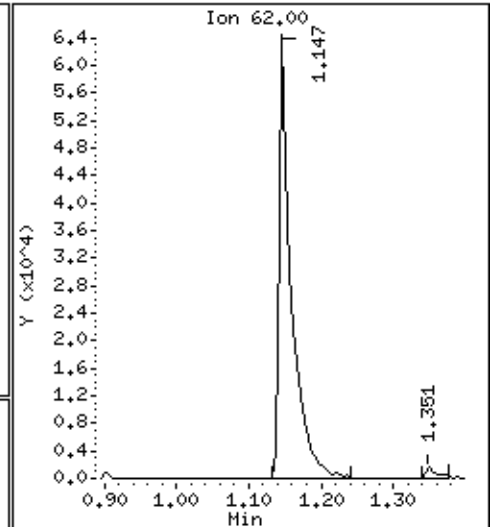
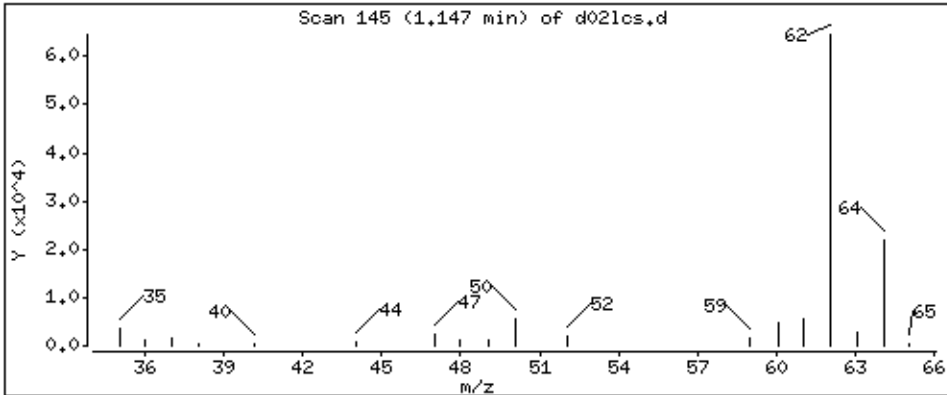
Operator: grm

Column phase: DB-624

Column diameter: 0,18

3 Vinyl Chloride

Concentration: 47.9 ppb



Date : 01-JUL-2014 22:47

Client ID: LCSs,71089;5

Instrument: 50mv1b.i

Sample Info: 1121338,71089;5

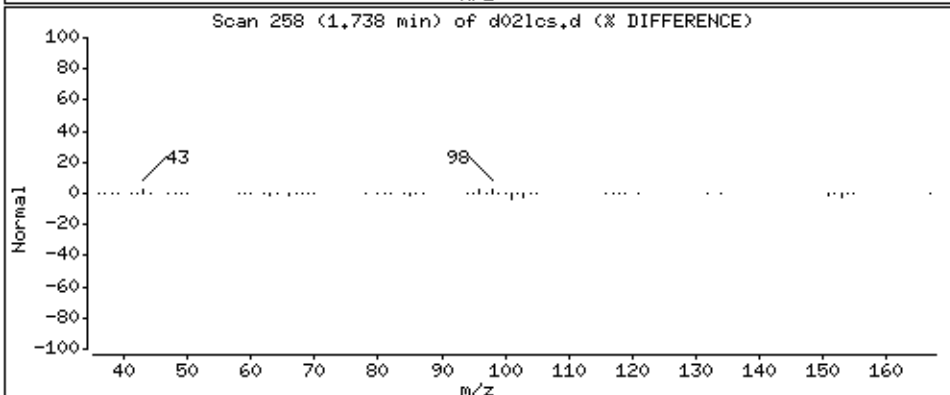
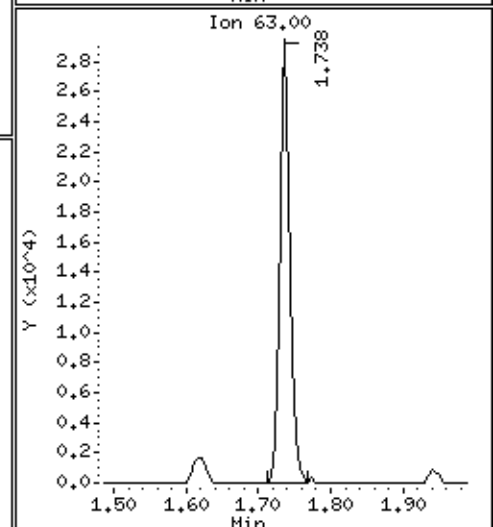
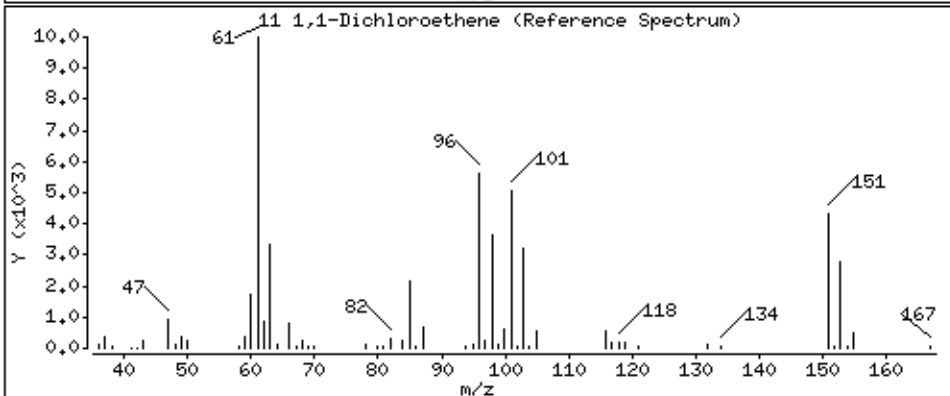
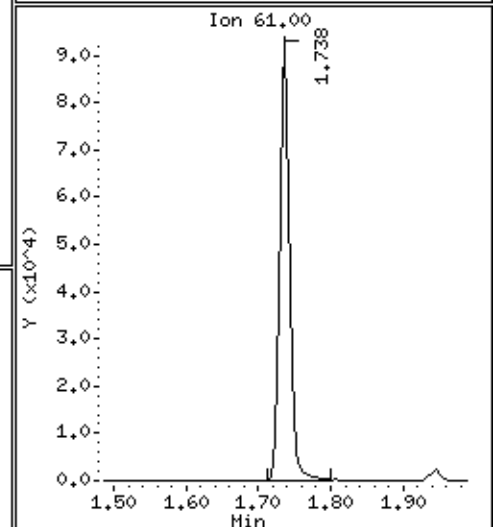
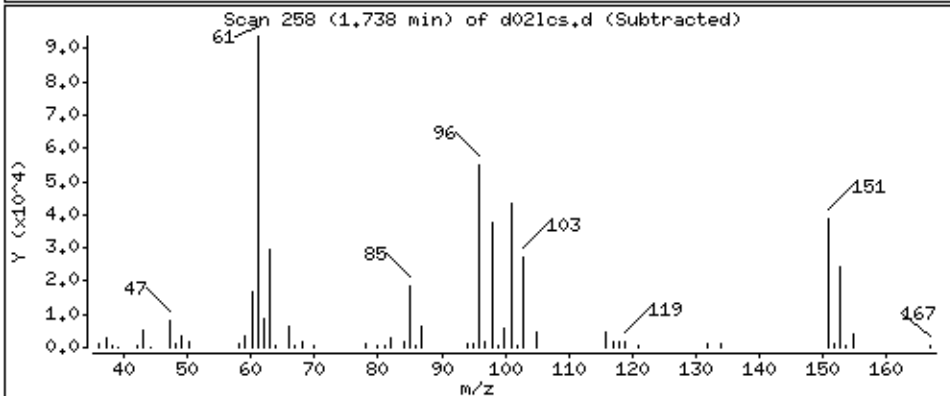
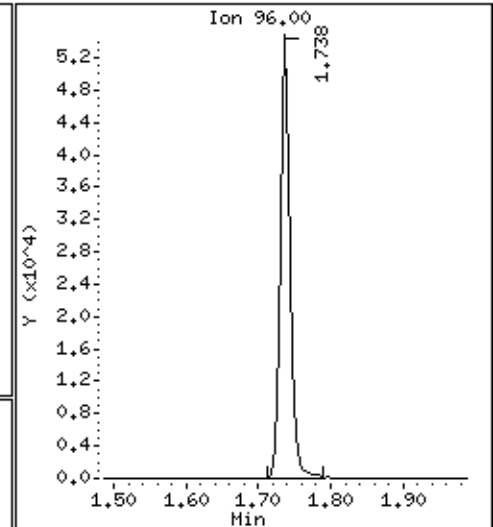
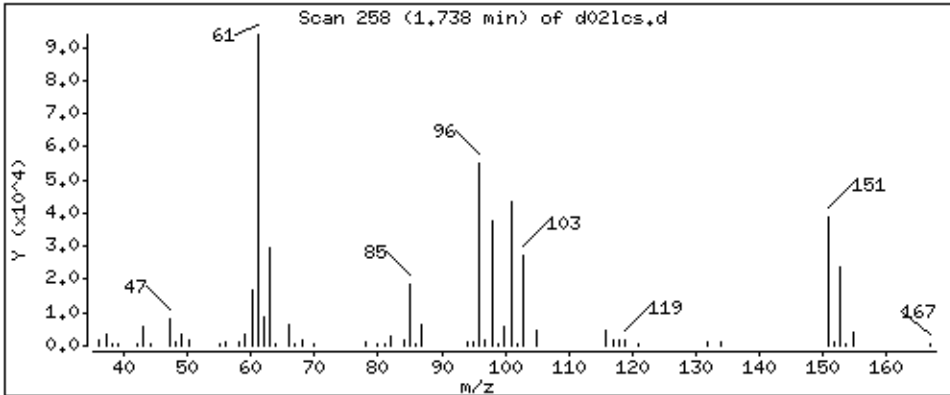
Operator: grm

Column phase: DB-624

Column diameter: 0,18

11 1,1-Dichloroethene

Concentration: 44,4 ppb



Date : 01-JUL-2014 22:47

Client ID: LCSs,71089;5

Instrument: 50mv1b.i

Sample Info: 1121338,71089;5

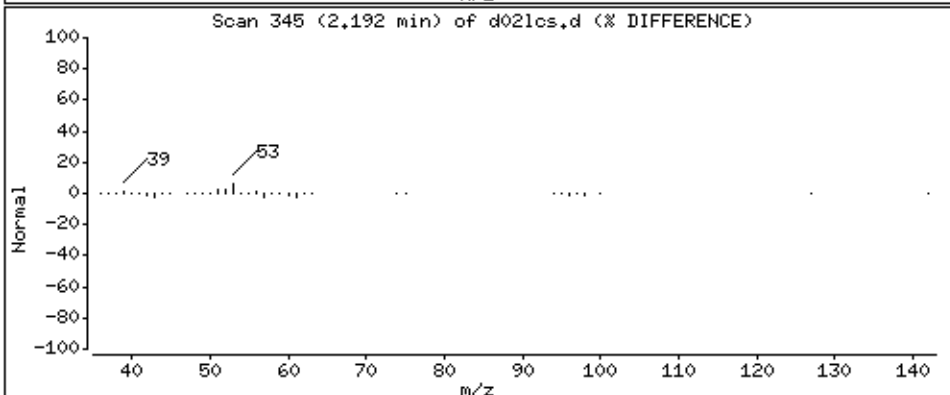
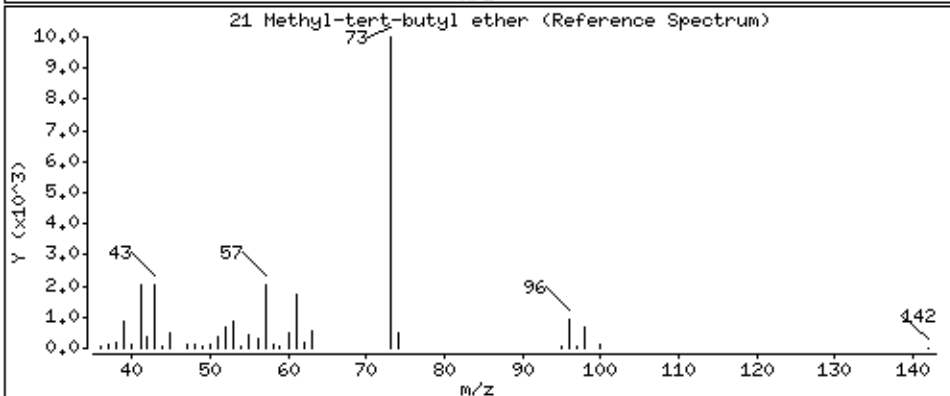
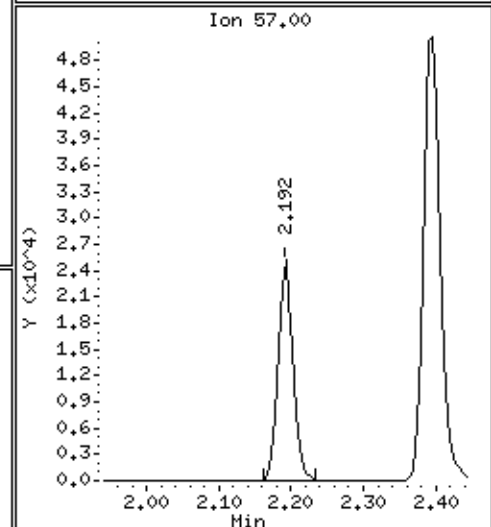
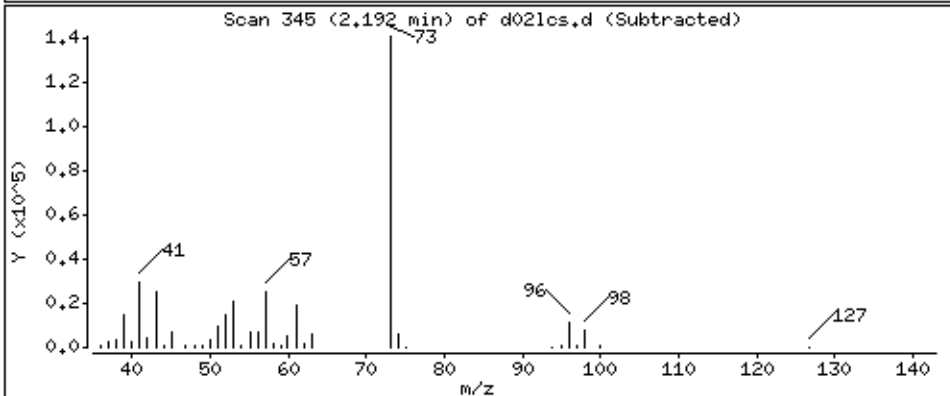
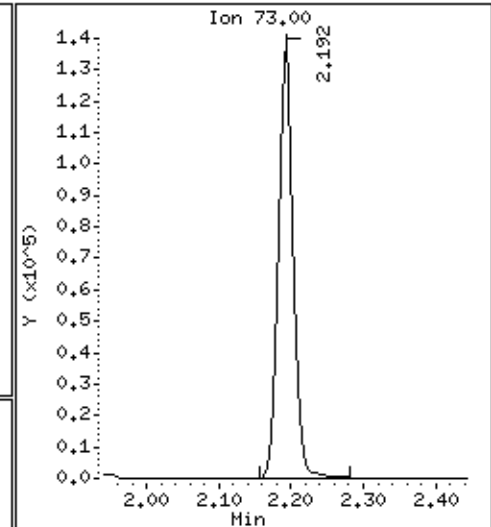
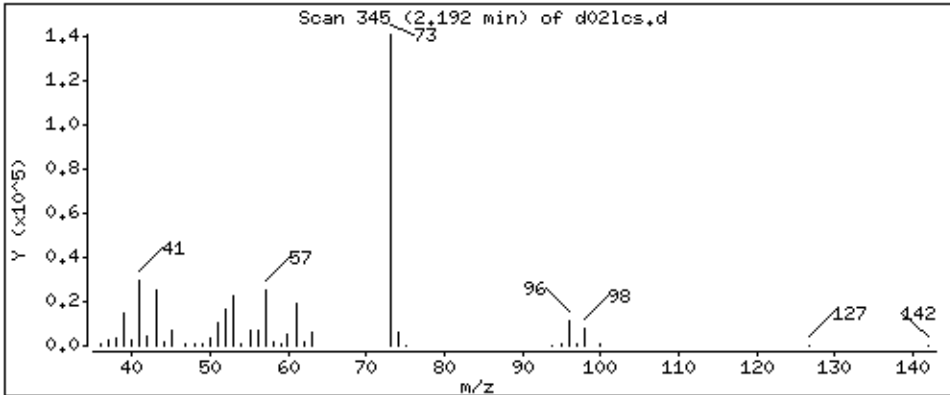
Operator: grm

Column phase: DB-624

Column diameter: 0,18

21 Methyl-tert-butyl ether

Concentration: 91.3 ppb



Date : 01-JUL-2014 22:47

Client ID: LCSs,71089;5

Instrument: 50mv1b.i

Sample Info: 1121338,71089;5

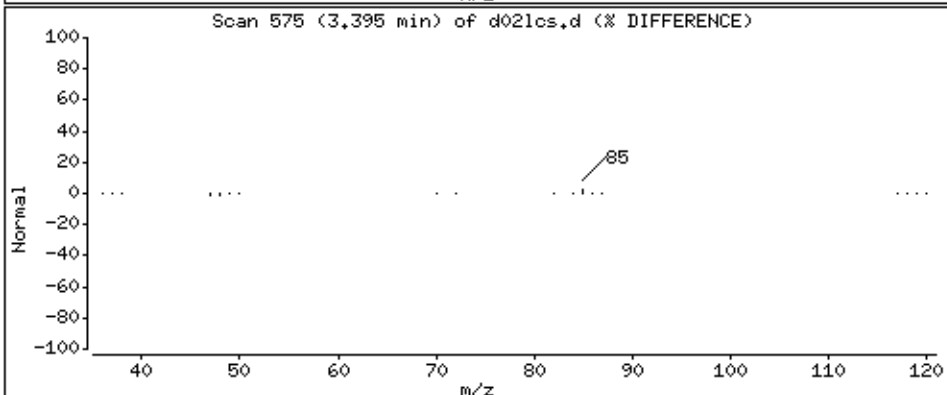
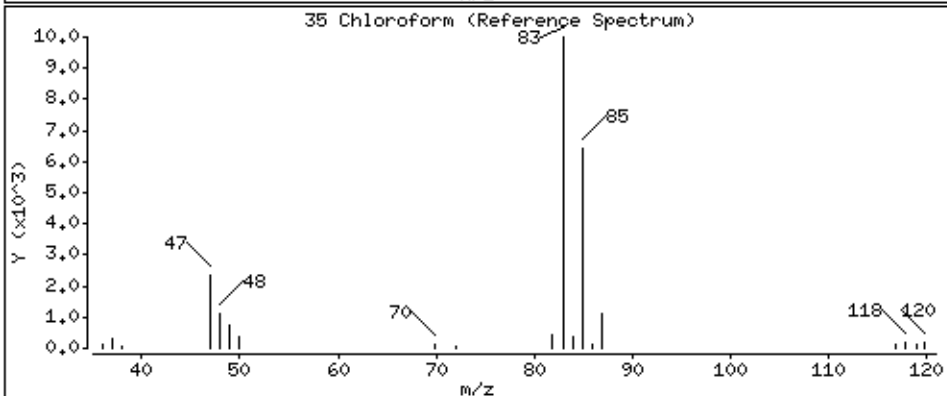
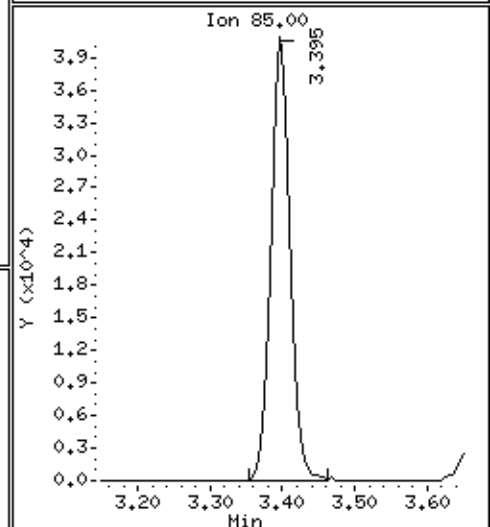
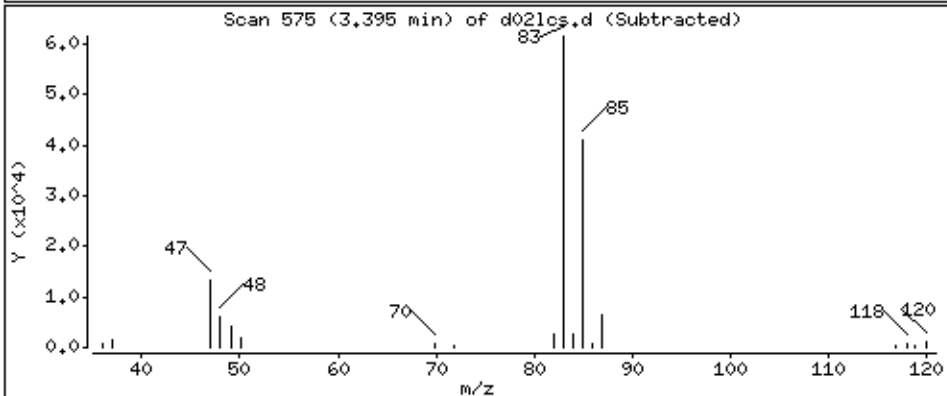
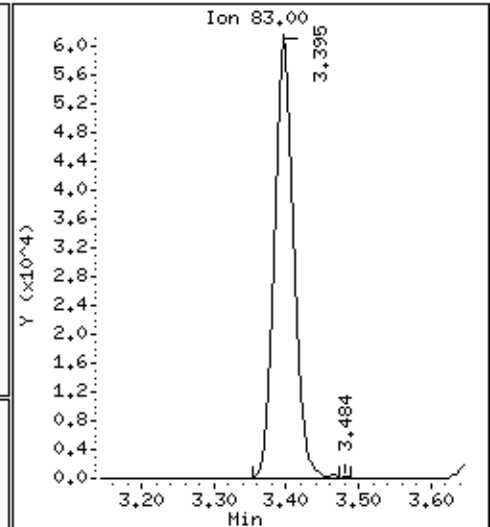
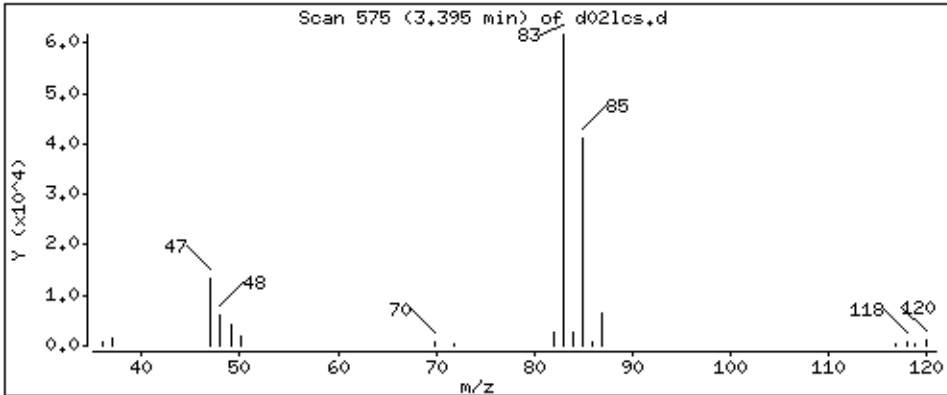
Operator: grm

Column phase: DB-624

Column diameter: 0,18

35 Chloroform

Concentration: 45,4 ppb



Date : 01-JUL-2014 22:47

Client ID: LCSs,71089;5

Instrument: 50mv1b.i

Sample Info: 1121338,71089;5

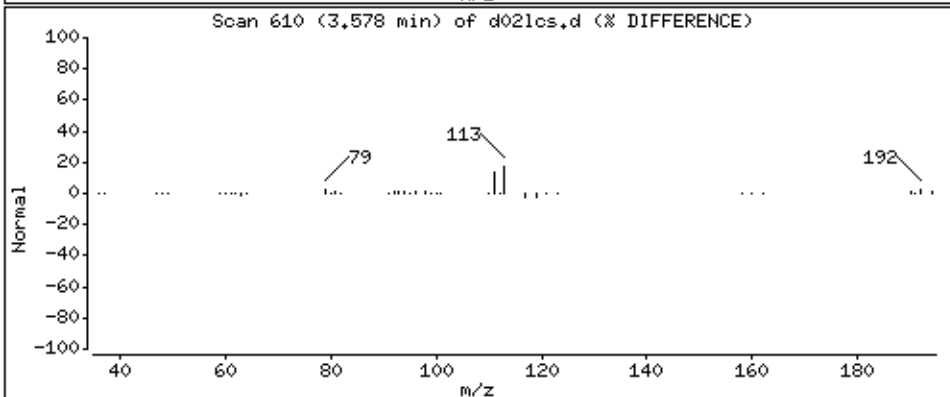
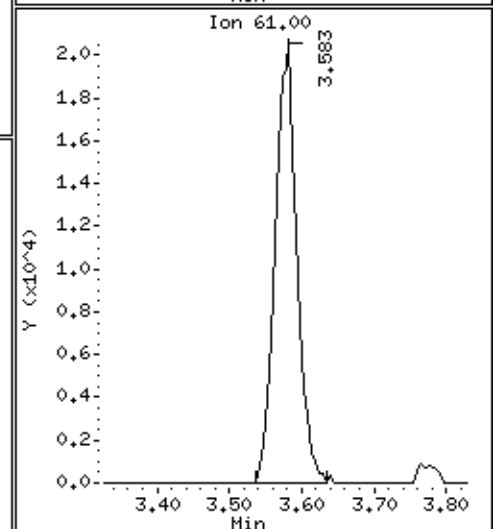
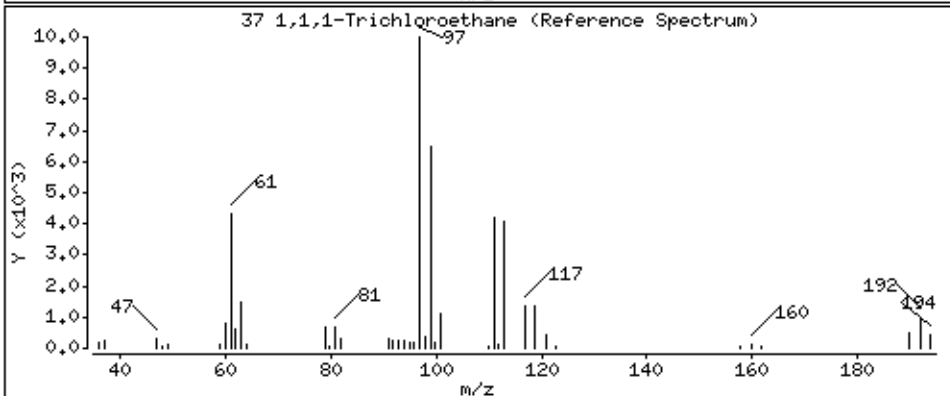
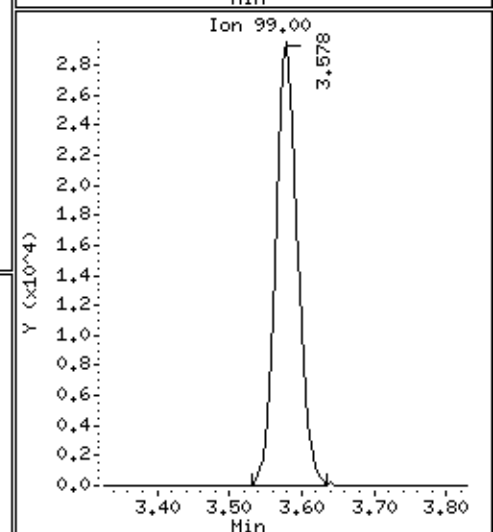
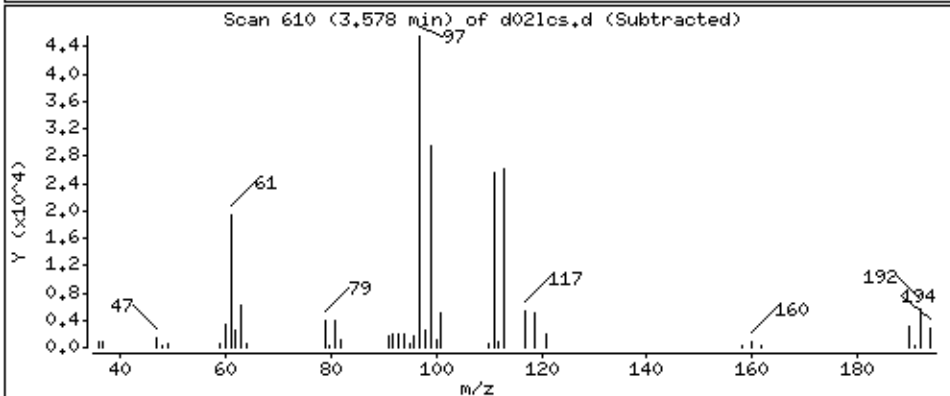
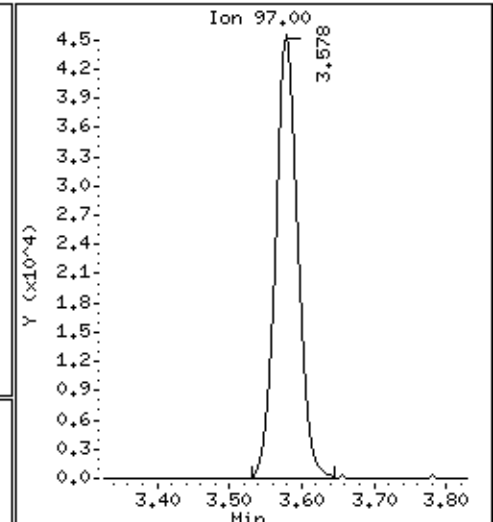
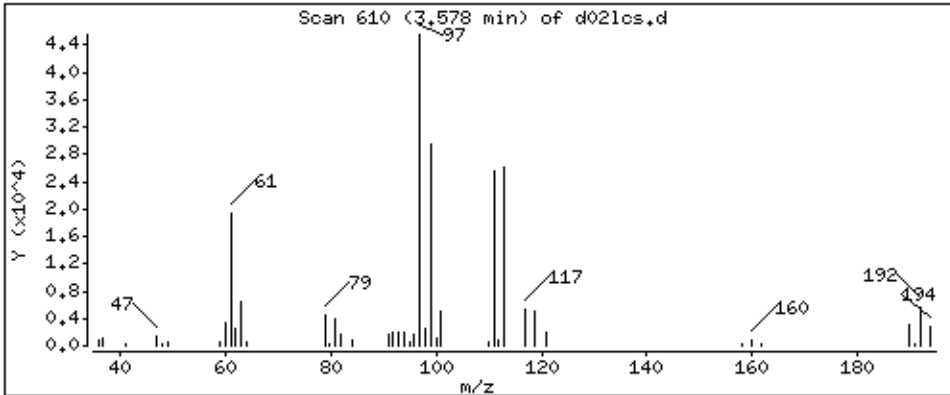
Operator: grm

Column phase: DB-624

Column diameter: 0,18

37 1,1,1-Trichloroethane

Concentration: 46,0 ppb



Date : 01-JUL-2014 22:47

Client ID: LCSs,71089;5

Instrument: 50mv1b.i

Sample Info: 1121338,71089;5

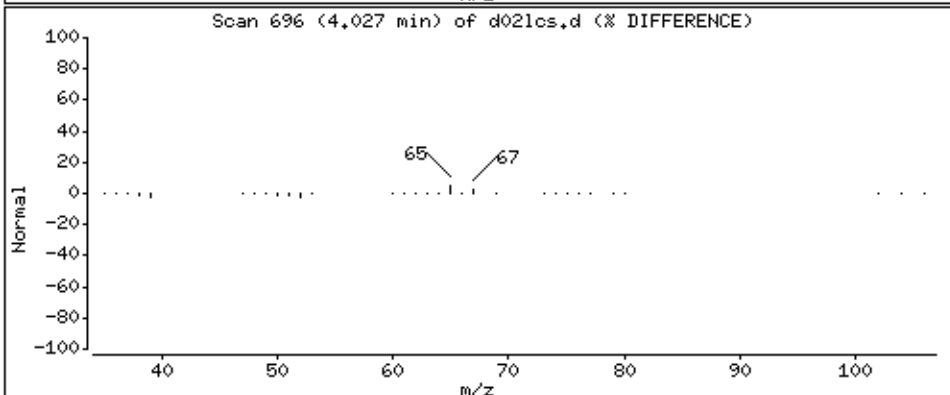
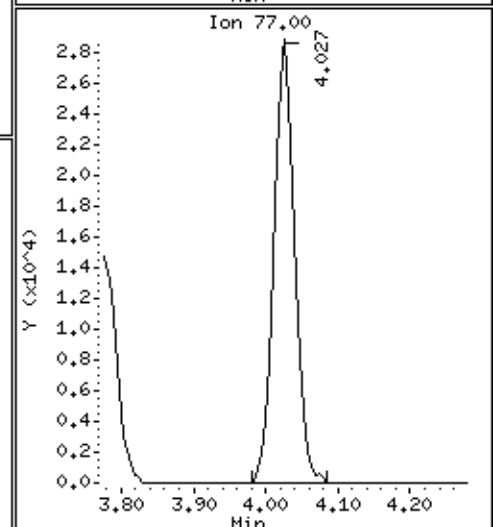
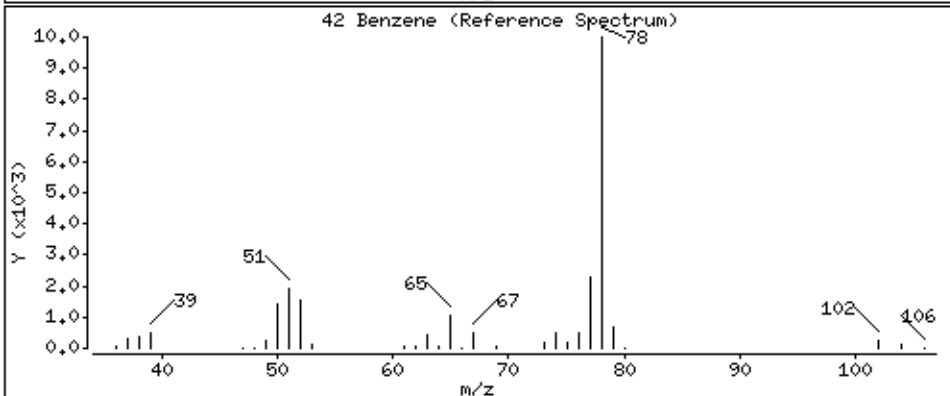
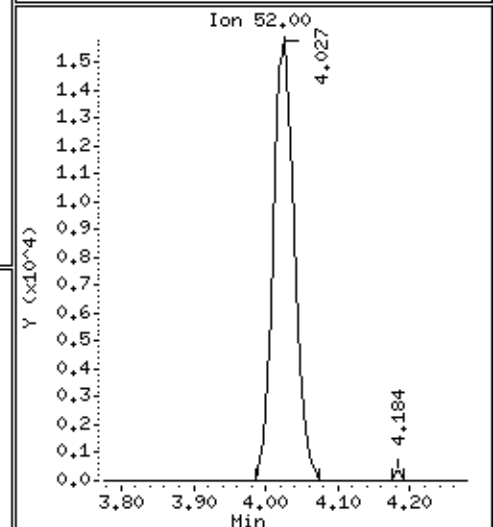
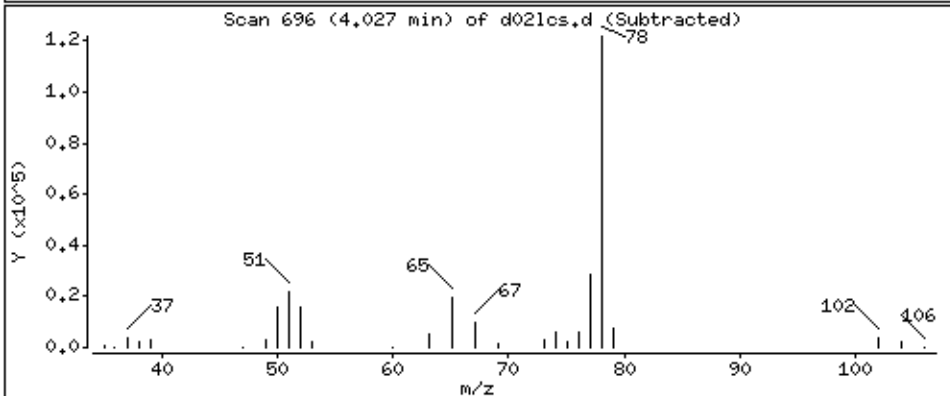
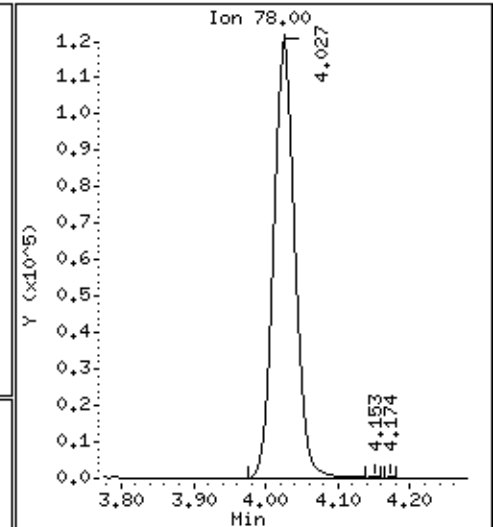
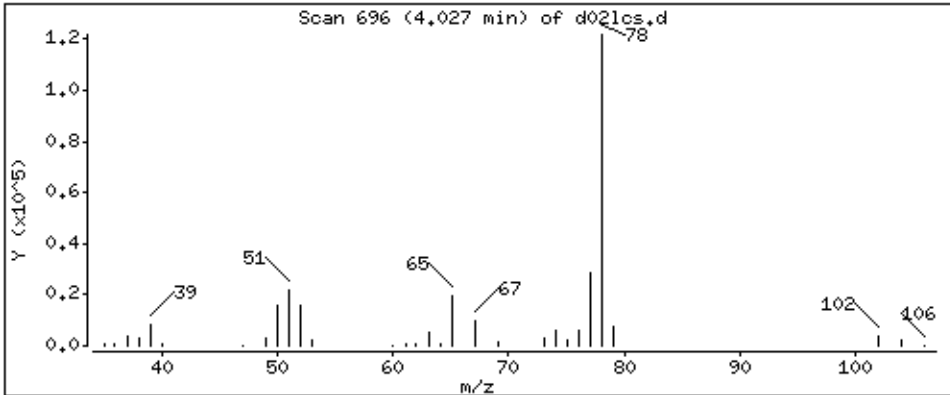
Operator: grm

Column phase: DB-624

Column diameter: 0,18

42 Benzene

Concentration: 48,7 ppb



Date : 01-JUL-2014 22:47

Client ID: LCSs,71089;5

Instrument: 50mv1b.i

Sample Info: 1121338,71089;5

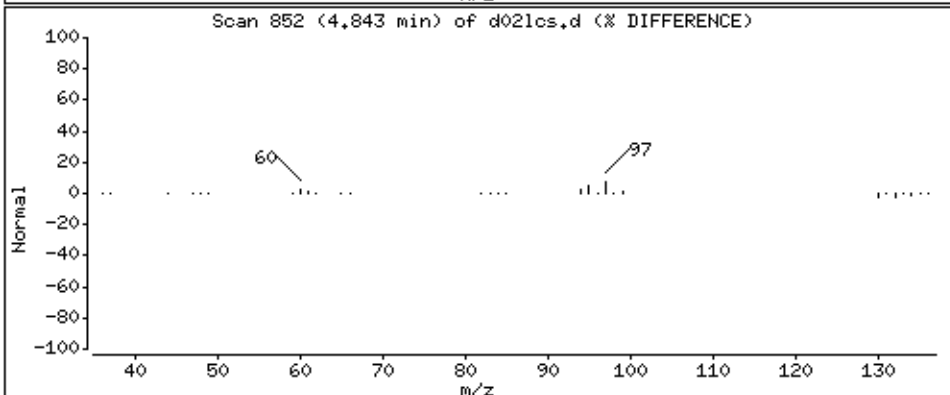
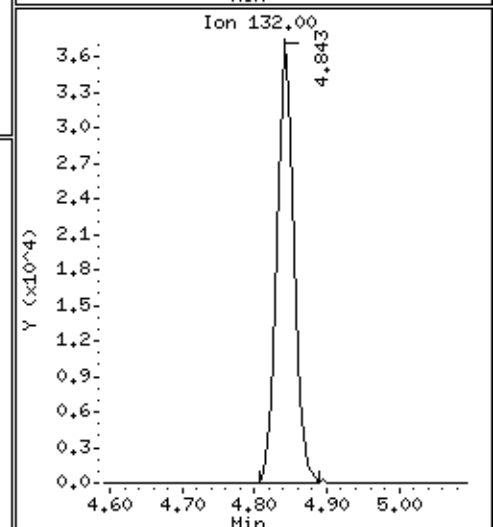
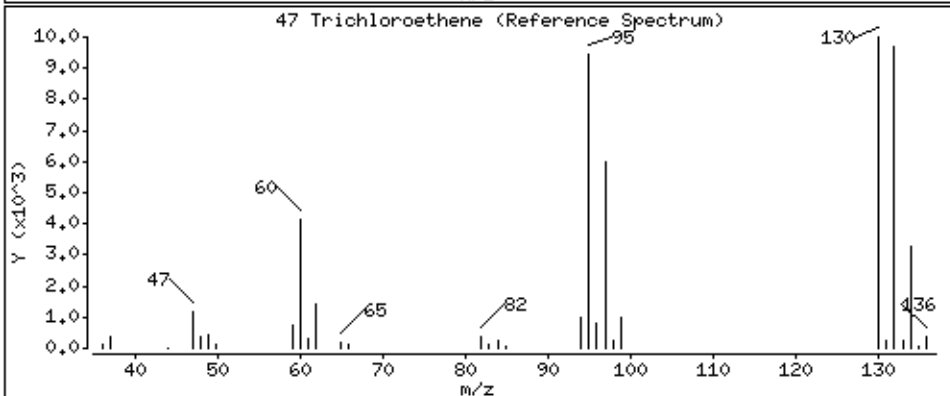
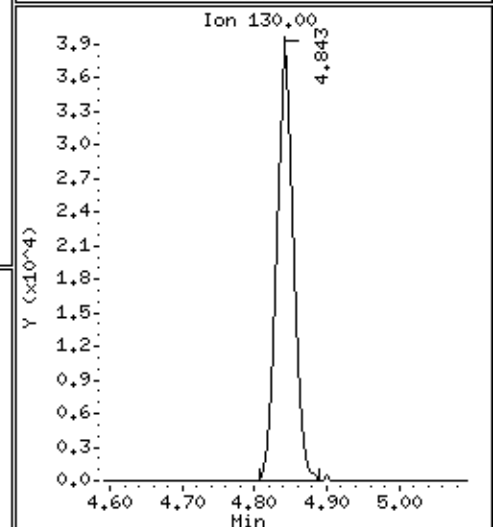
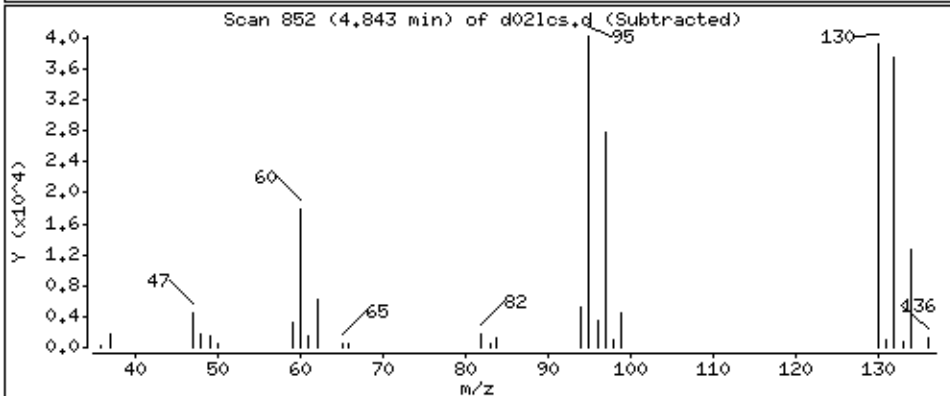
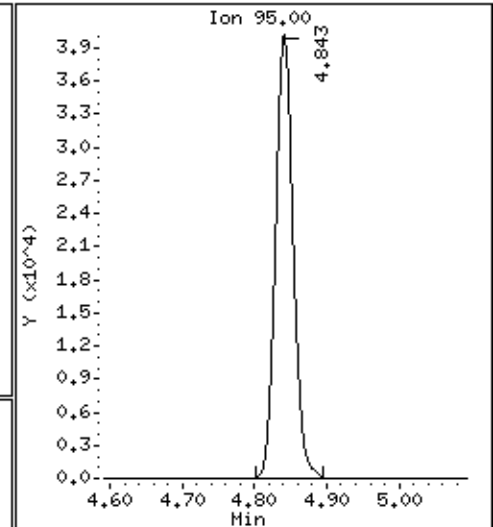
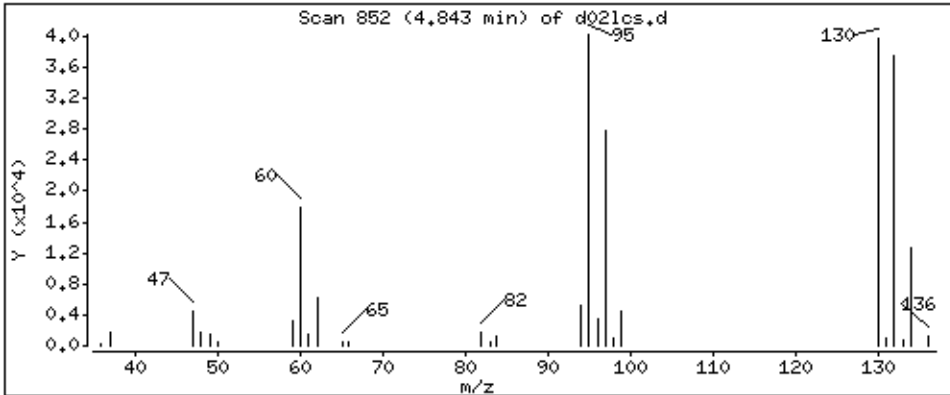
Operator: grm

Column phase: DB-624

Column diameter: 0,18

47 Trichloroethene

Concentration: 46,8 ppb



Date : 01-JUL-2014 22:47

Client ID: LCSs,71089;5

Instrument: 50mv1b.i

Sample Info: 1121338,71089;5

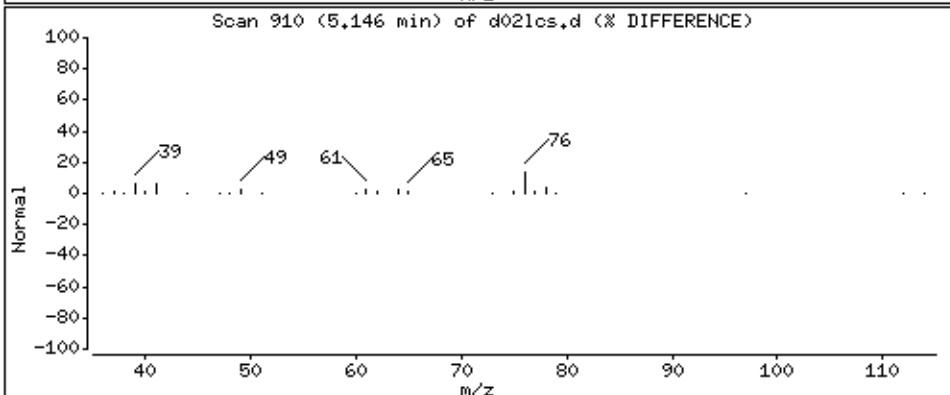
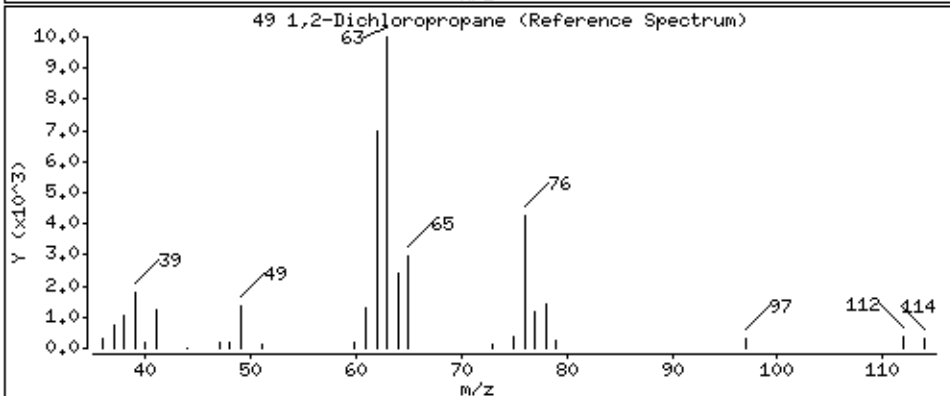
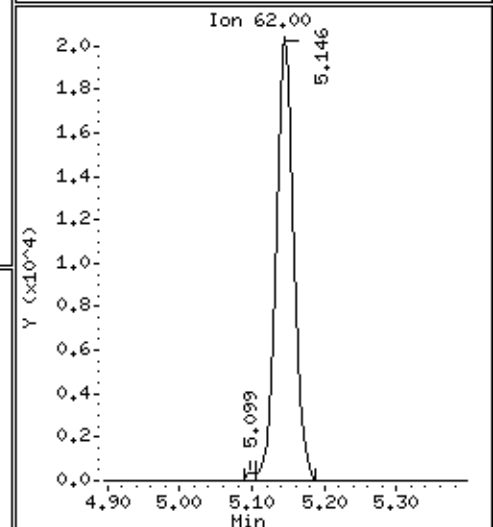
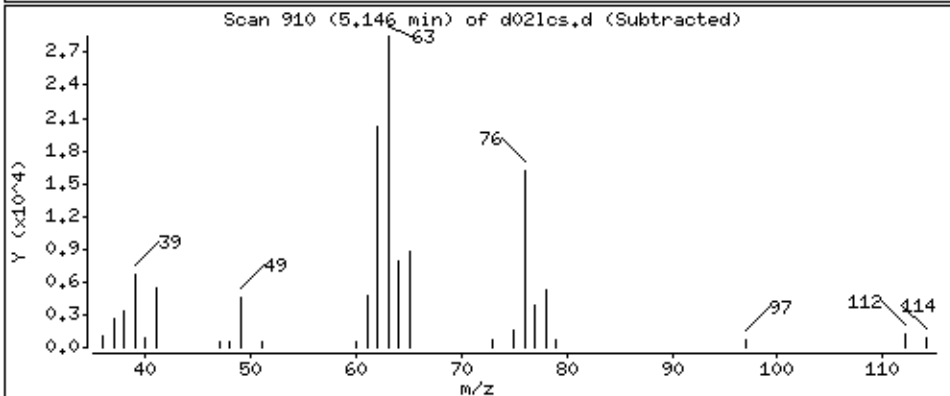
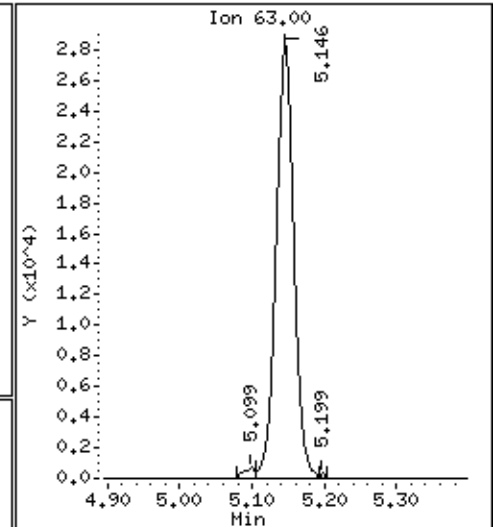
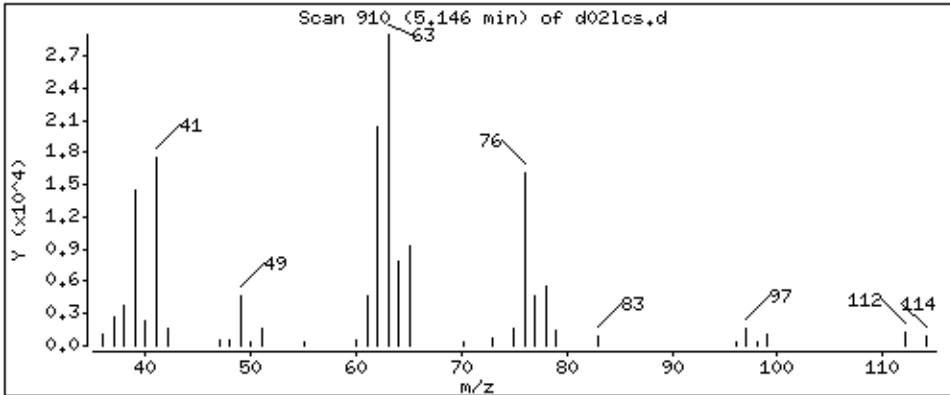
Operator: grm

Column phase: DB-624

Column diameter: 0,18

49 1,2-Dichloropropane

Concentration: 43,6 ppb



Date : 01-JUL-2014 22:47

Client ID: LCSs,71089;5

Instrument: 50mv1b.i

Sample Info: 1121338,71089;5

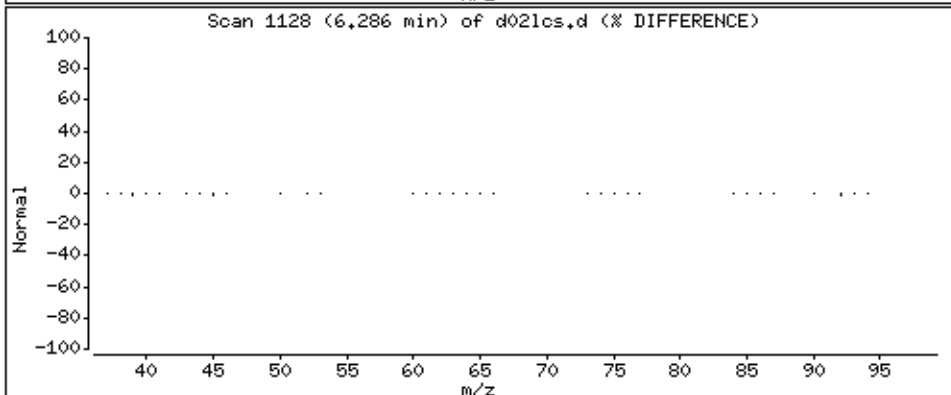
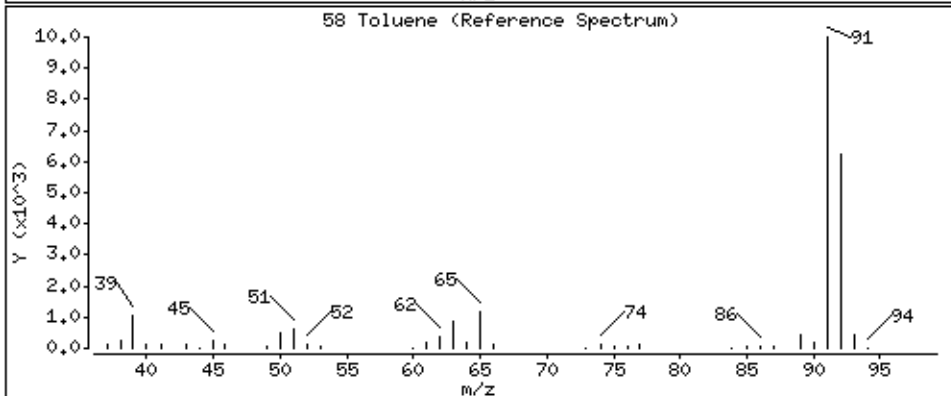
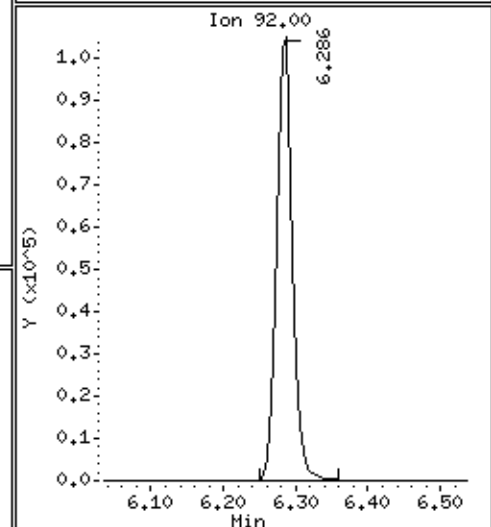
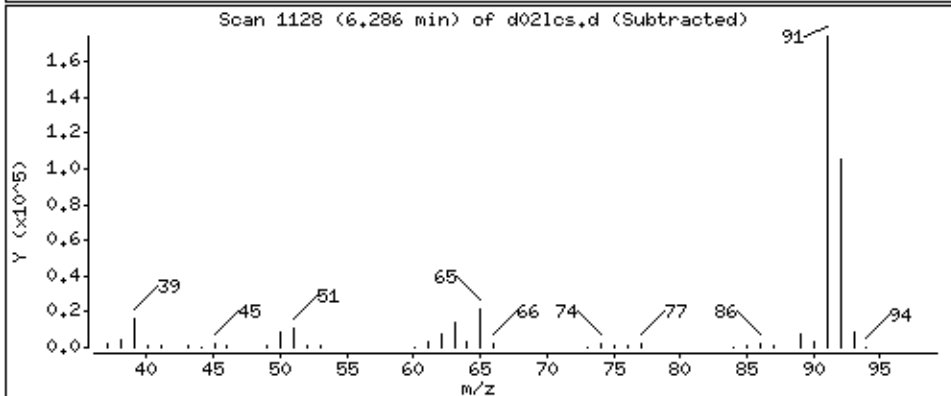
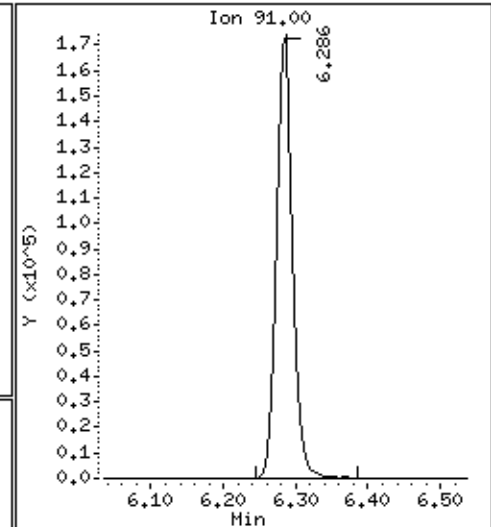
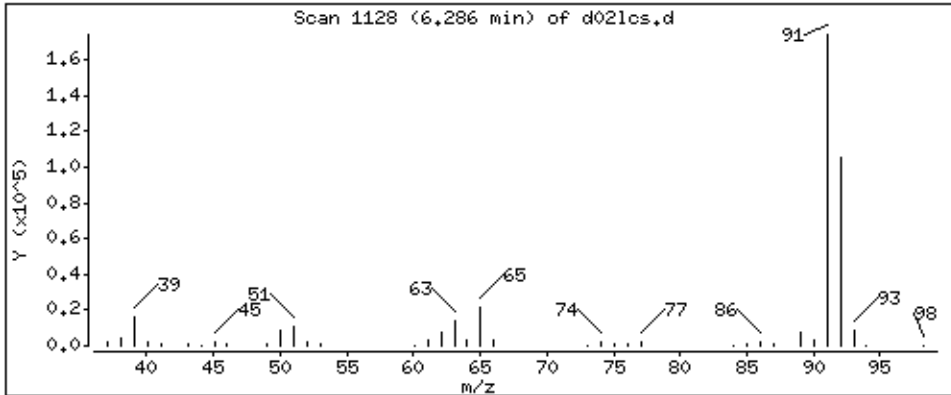
Operator: grm

Column phase: DB-624

Column diameter: 0,18

58 Toluene

Concentration: 45,9 ppb



Date : 01-JUL-2014 22:47

Client ID: LCSs,71089;5

Instrument: 50mv1b.i

Sample Info: 1121338,71089;5

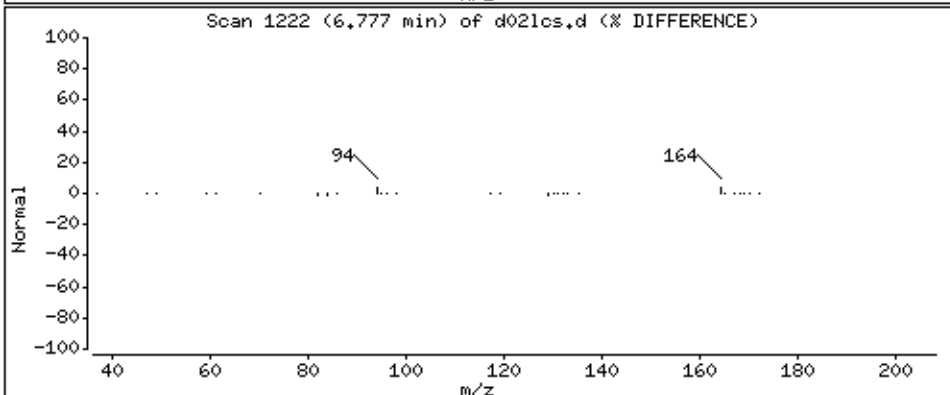
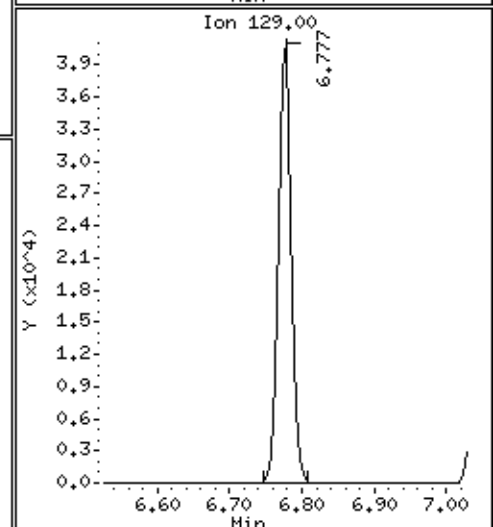
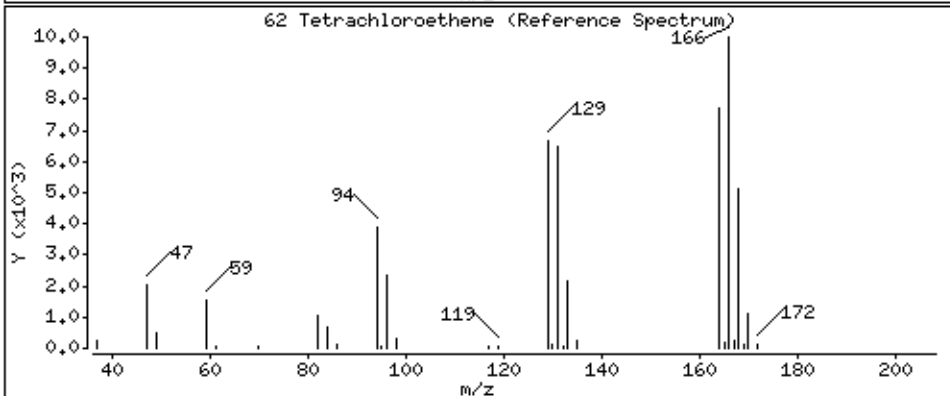
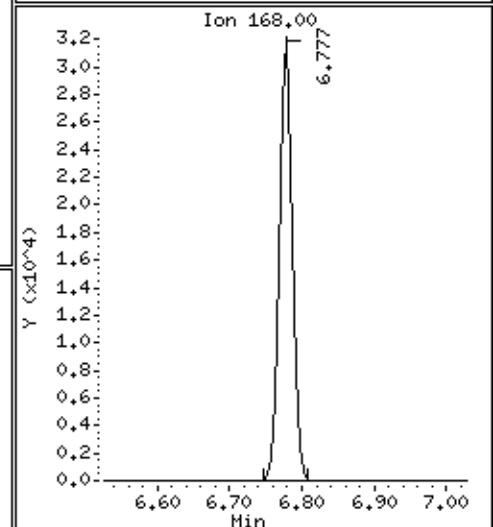
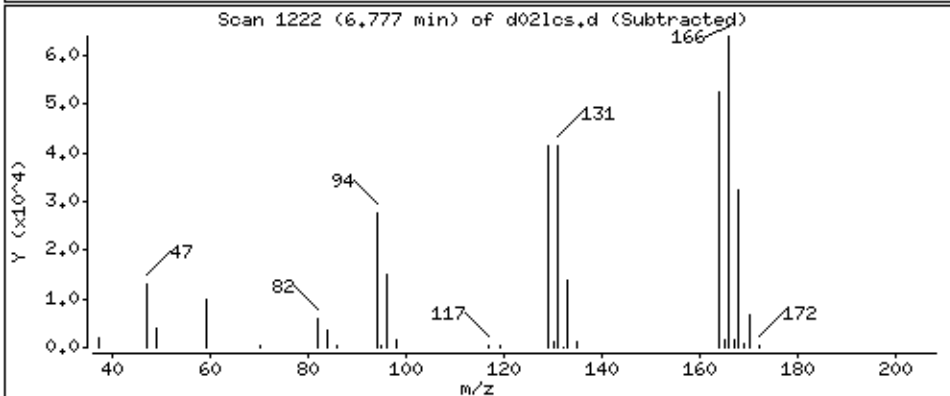
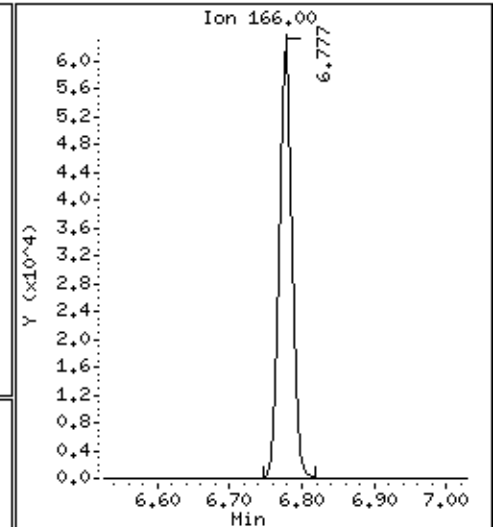
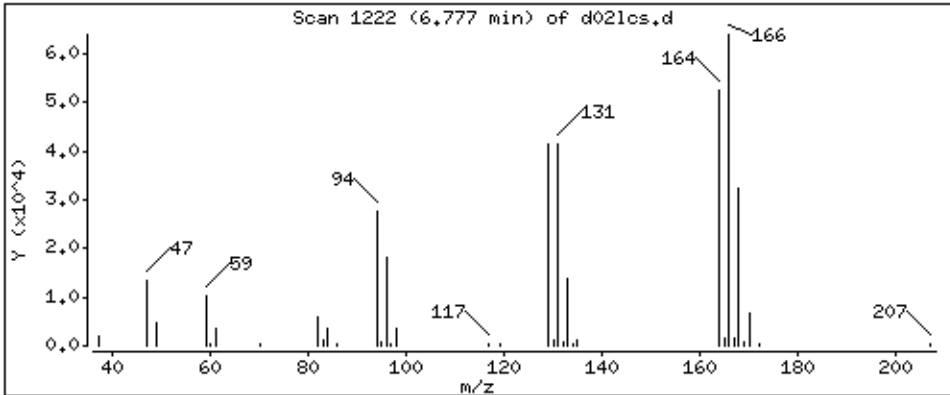
Operator: grm

Column phase: DB-624

Column diameter: 0,18

62 Tetrachloroethene

Concentration: 43.4 ppb



Date : 01-JUL-2014 22:47

Client ID: LCSs,71089;5

Instrument: 50mv1b.i

Sample Info: 1121338,71089;5

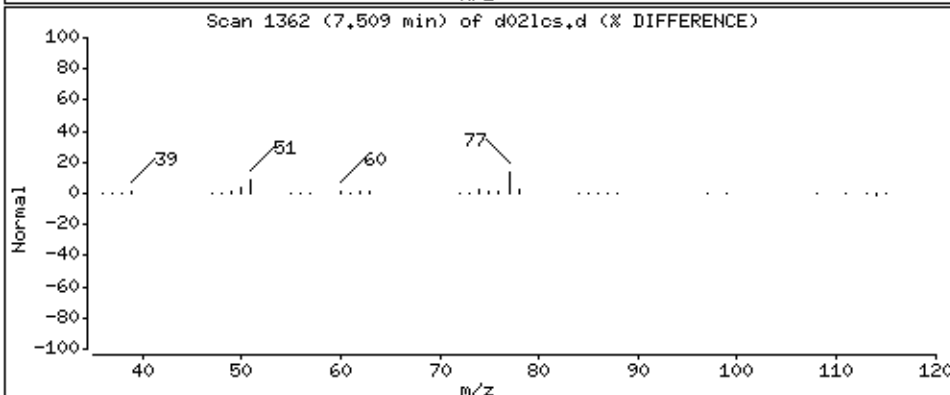
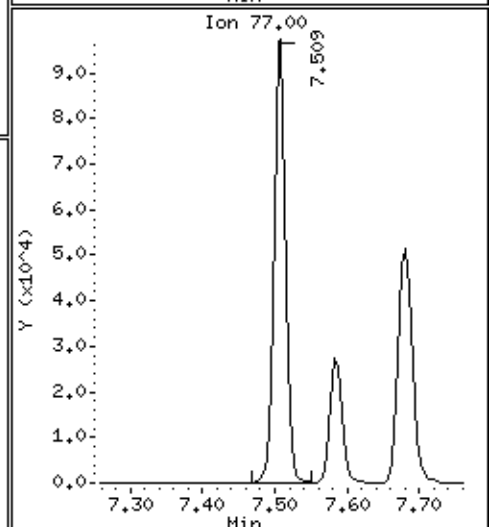
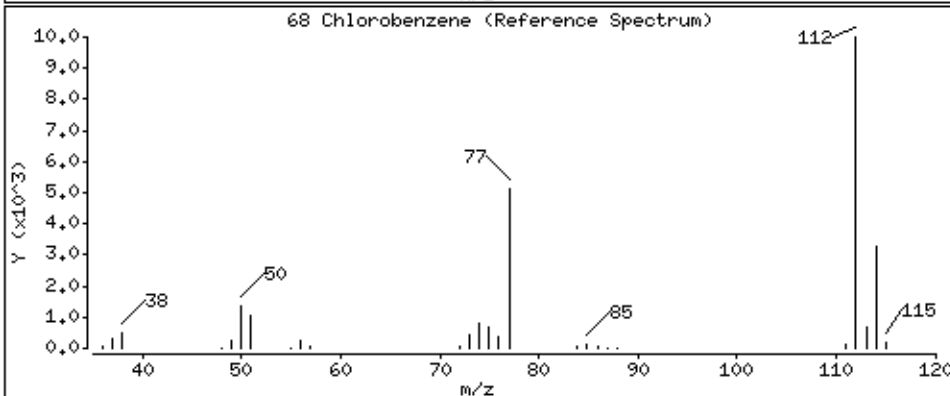
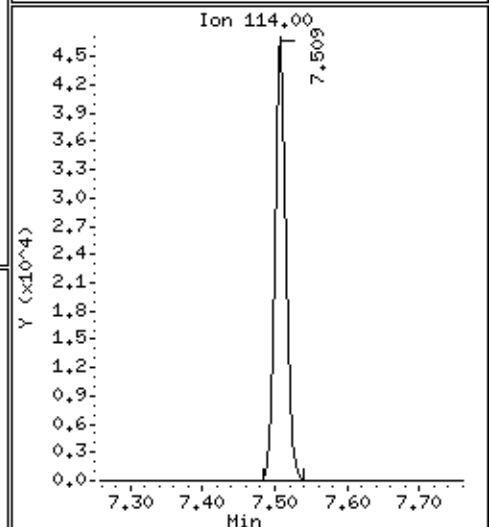
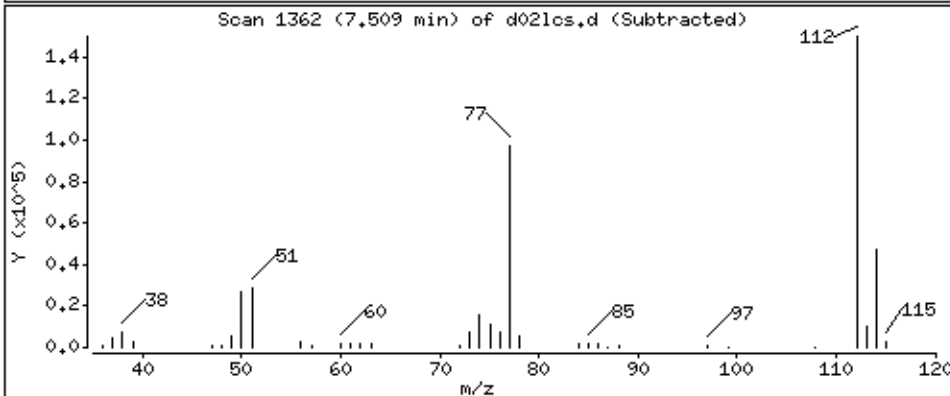
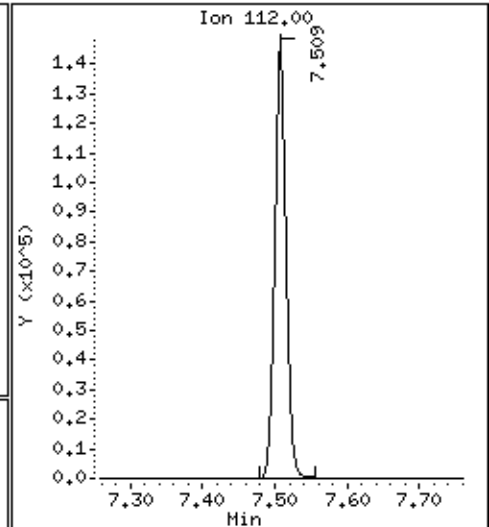
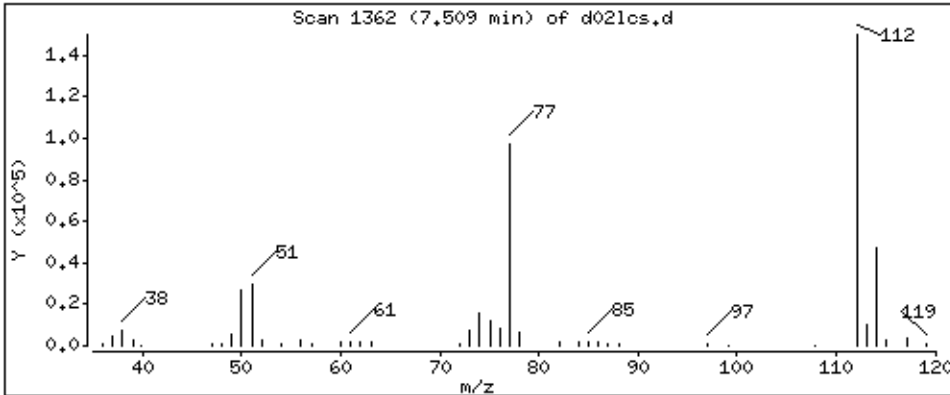
Operator: grm

Column phase: DB-624

Column diameter: 0,18

68 Chlorobenzene

Concentration: 46,3 ppb



Date : 01-JUL-2014 22:47

Client ID: LCSs,71089;5

Instrument: 50mv1b.i

Sample Info: 1121338,71089;5

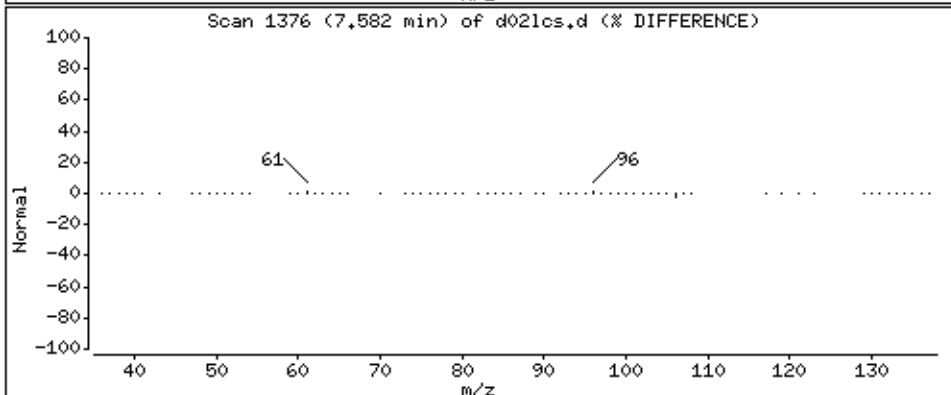
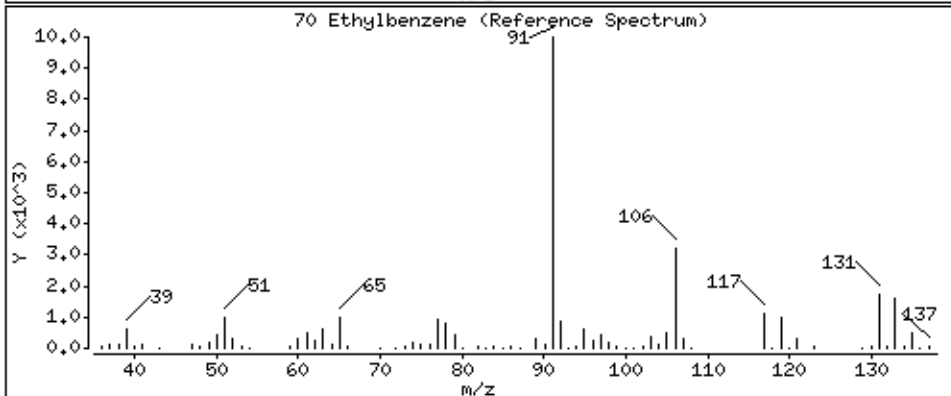
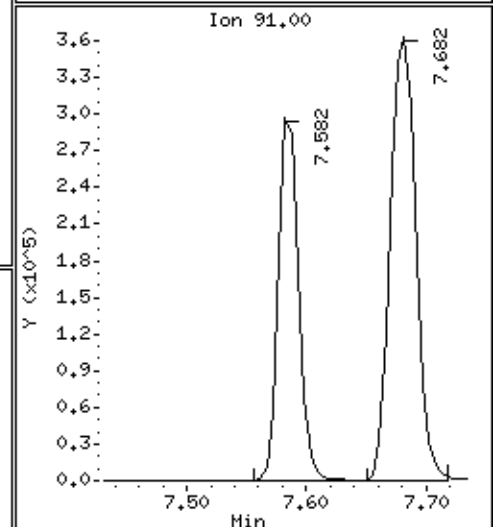
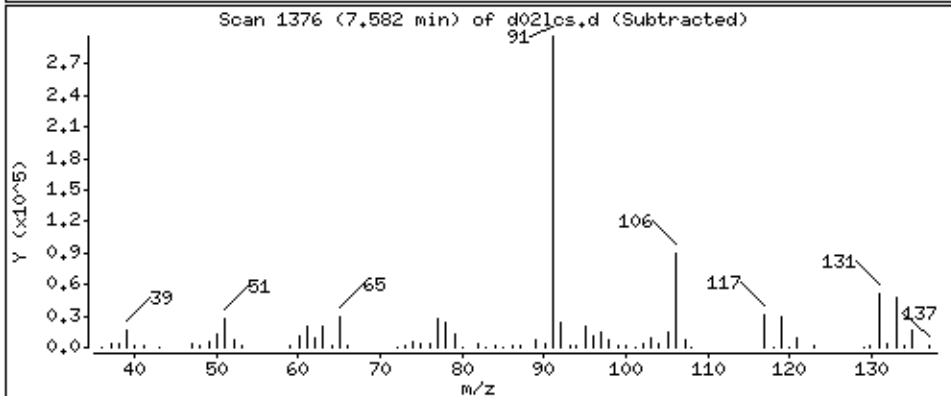
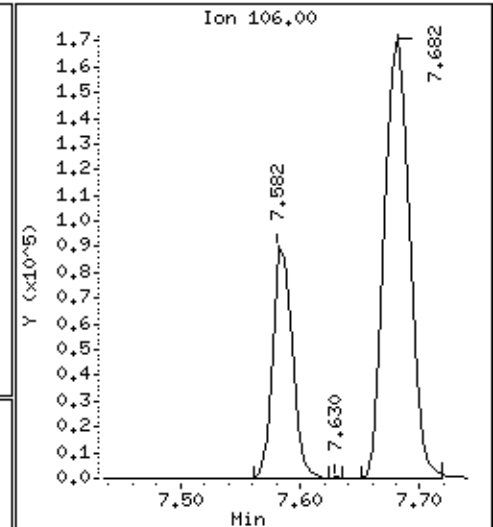
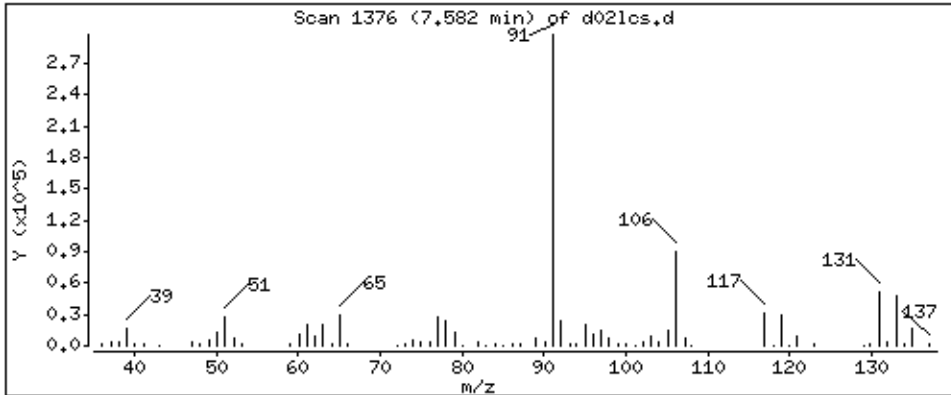
Operator: grm

Column phase: DB-624

Column diameter: 0,18

70 Ethylbenzene

Concentration: 47.0 ppb



Date : 01-JUL-2014 22:47

Client ID: LCSs,71089;5

Instrument: 50mv1b.i

Sample Info: 1121338,71089;5

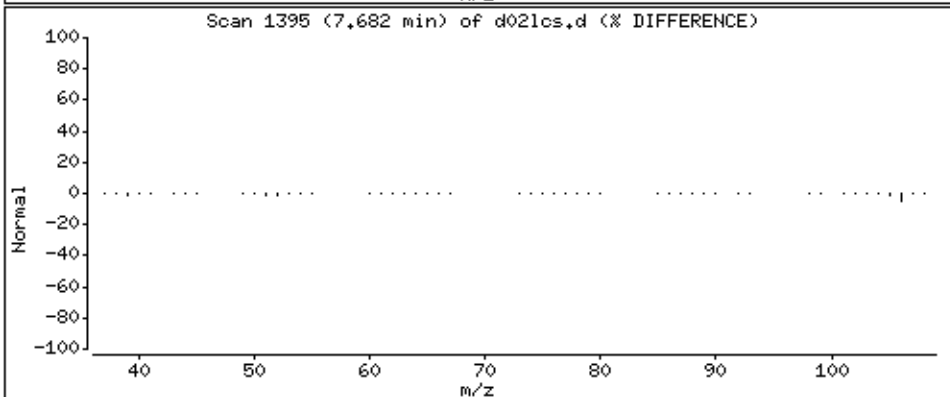
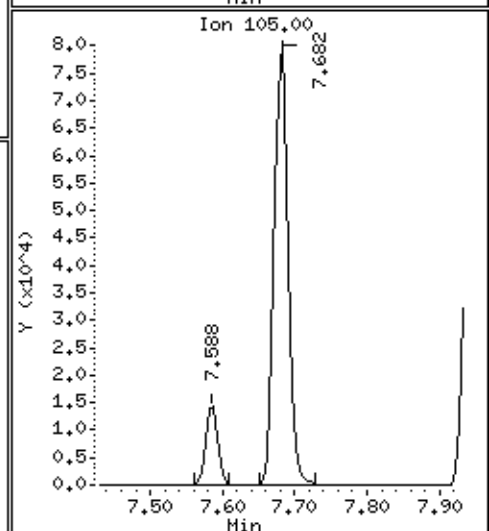
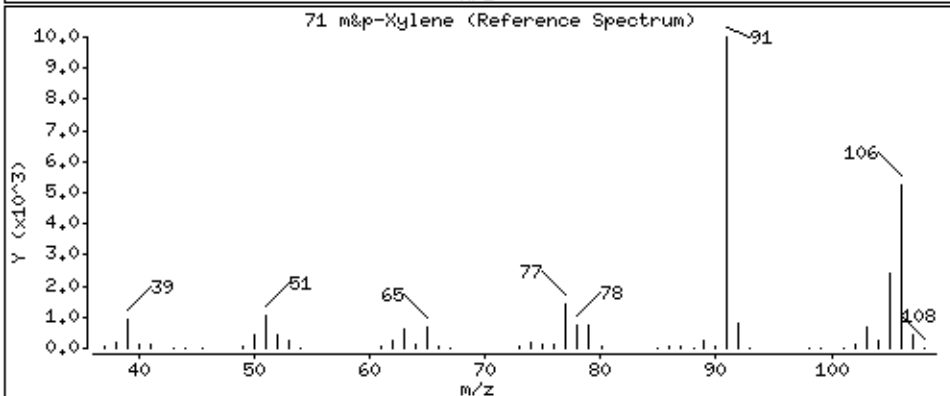
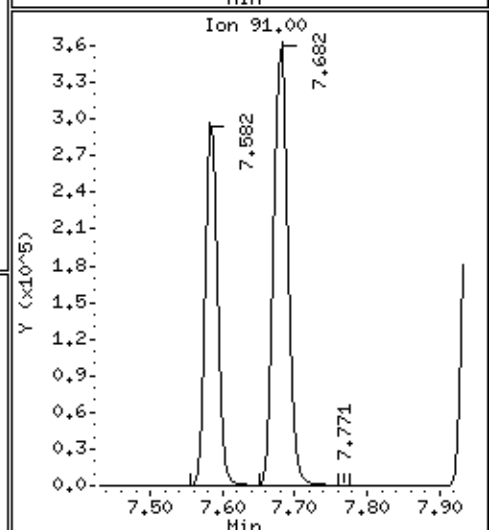
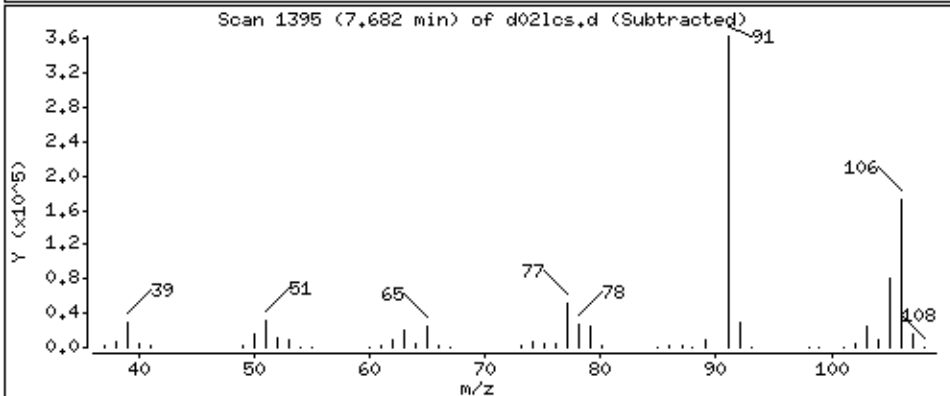
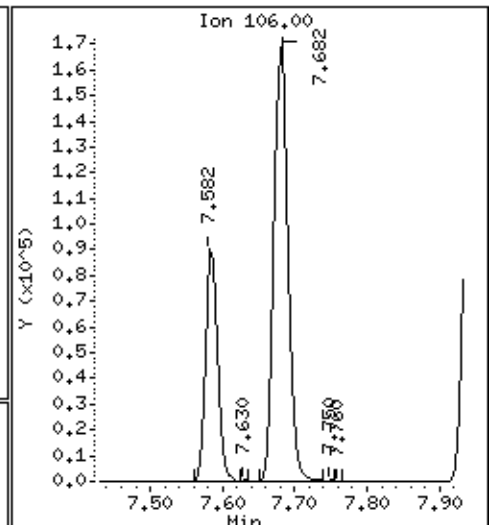
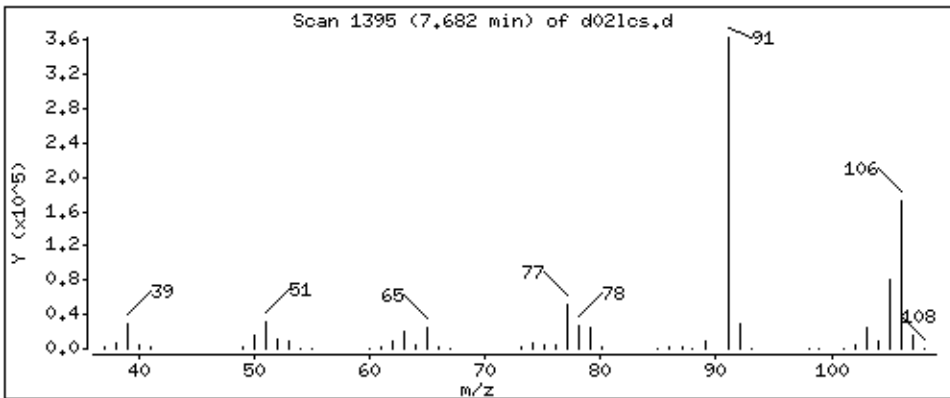
Operator: grm

Column phase: DB-624

Column diameter: 0,18

71 m&p-Xylene

Concentration: 94,9 ppb



Date : 01-JUL-2014 22:47

Client ID: LCSs,71089;5

Instrument: 50mv1b.i

Sample Info: 1121338,71089;5

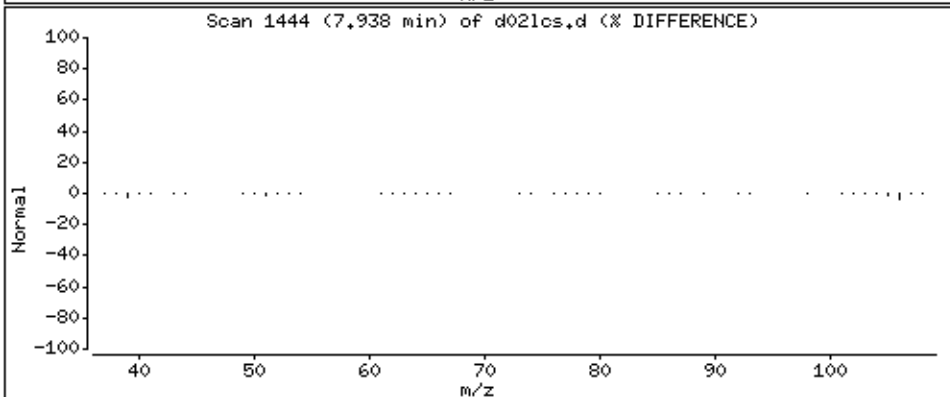
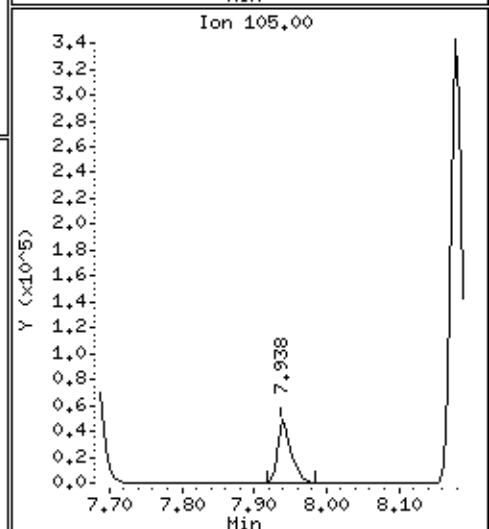
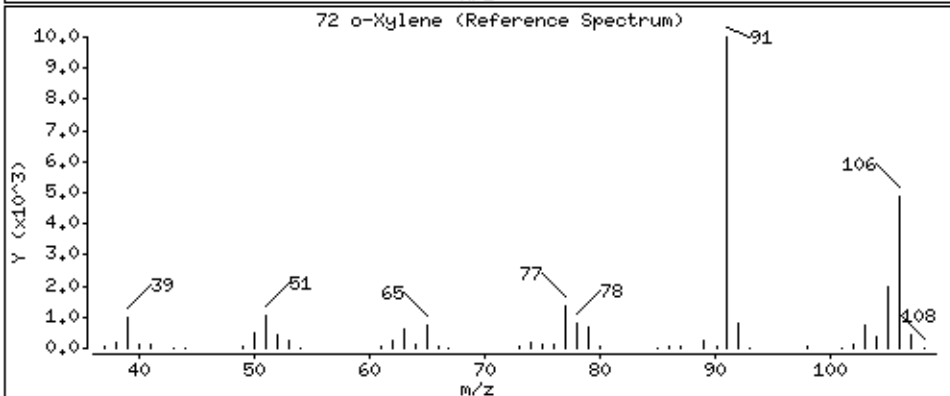
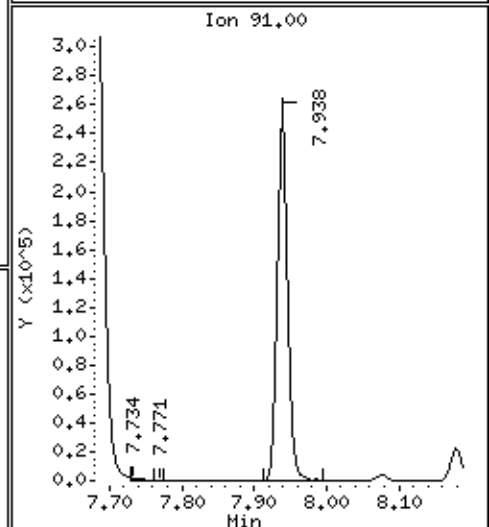
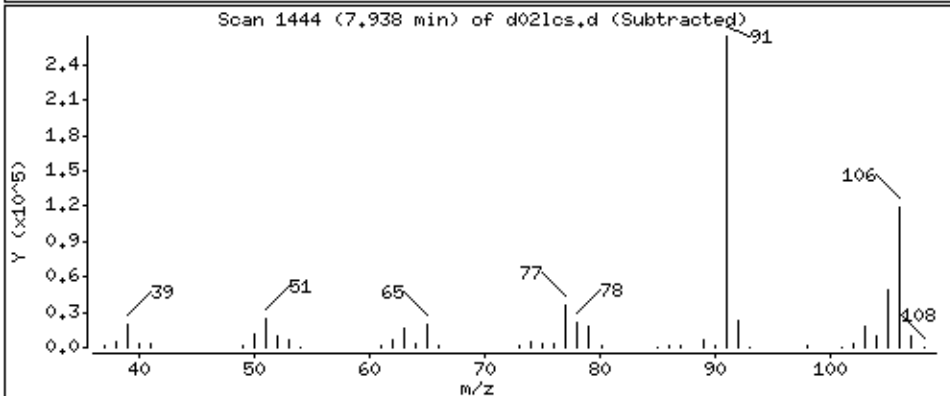
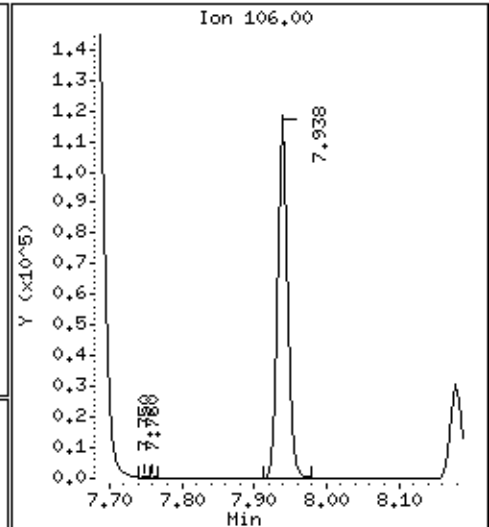
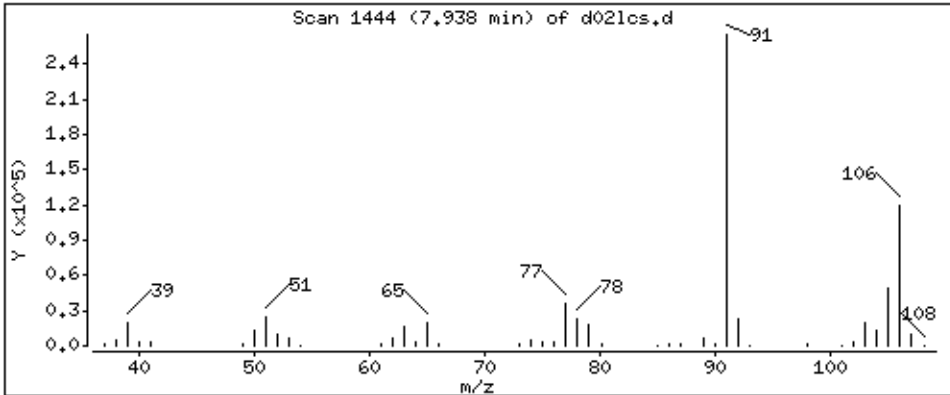
Operator: grm

Column phase: DB-624

Column diameter: 0,18

72 o-Xylene

Concentration: 50,3 ppb



Date : 01-JUL-2014 22:47

Client ID: LCSs,71089;5

Instrument: 50mv1b.i

Sample Info: 1121338,71089;5

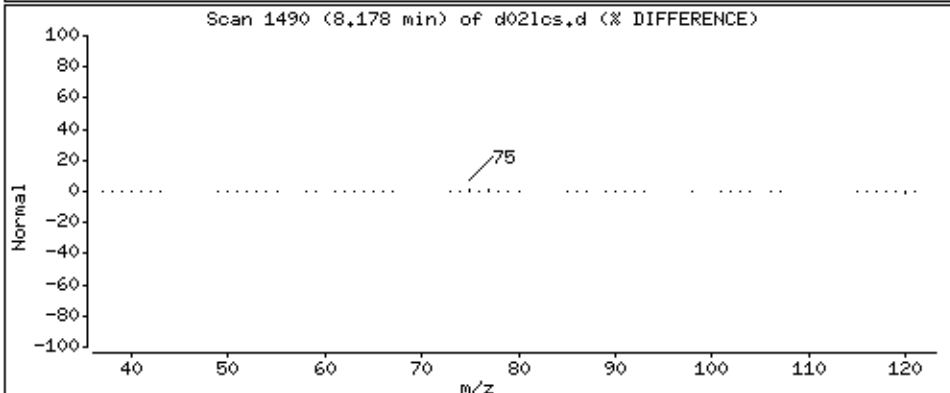
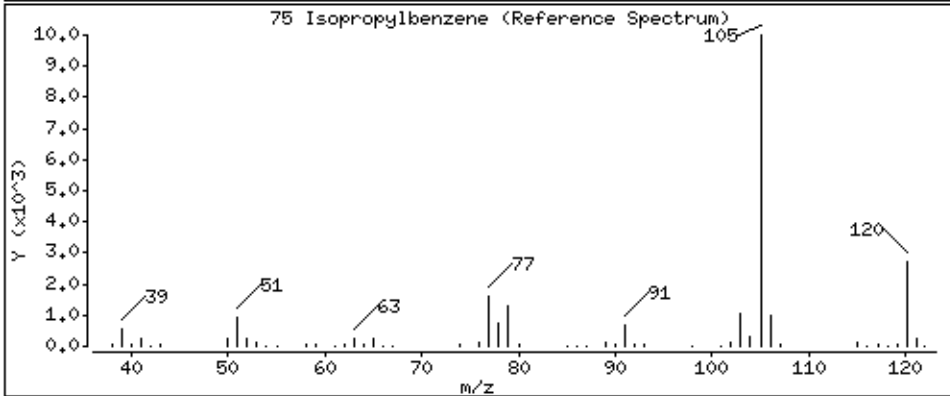
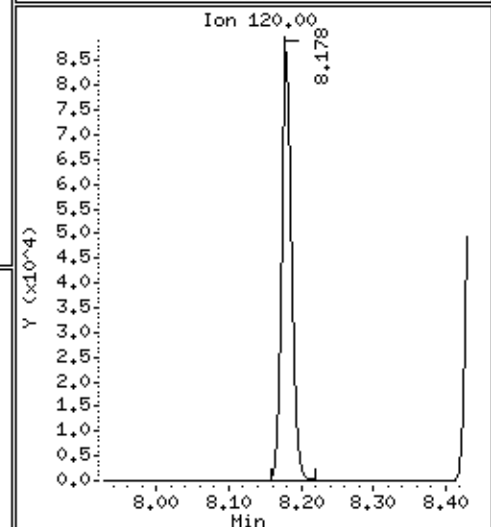
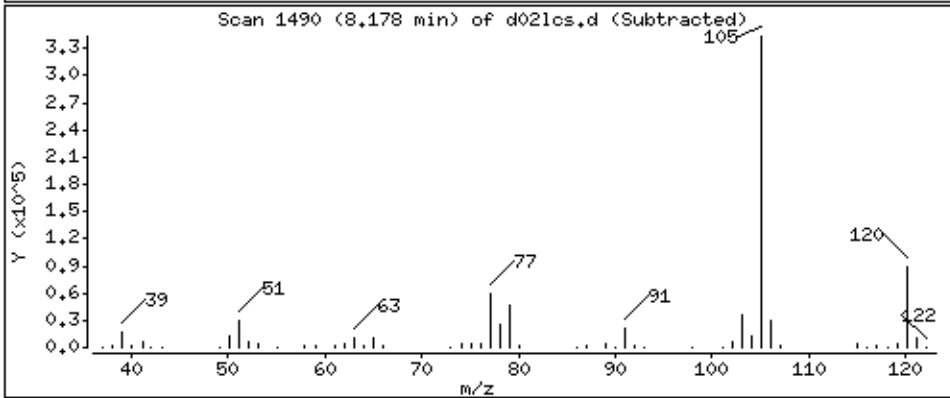
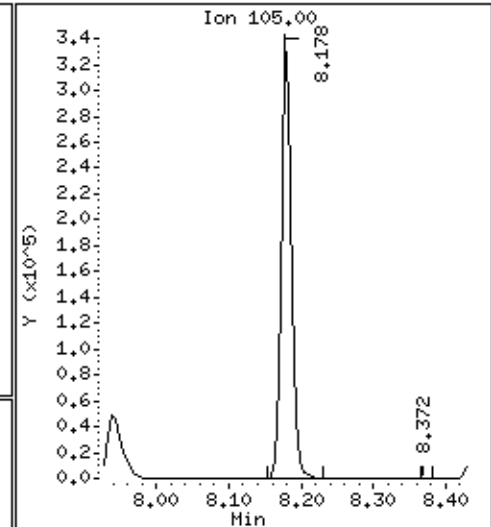
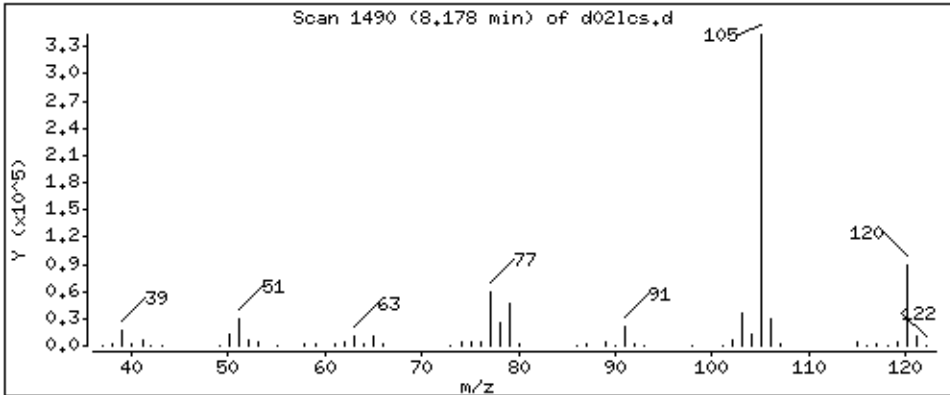
Operator: grm

Column phase: DB-624

Column diameter: 0,18

75 Isopropylbenzene

Concentration: 49.7 ppb



Date : 01-JUL-2014 22:47

Client ID: LCSs,71089;5

Instrument: 50mv1b.i

Sample Info: 1121338,71089;5

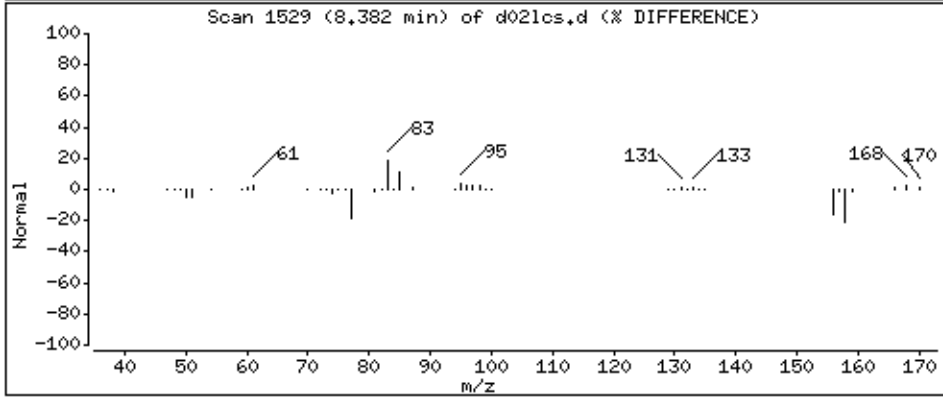
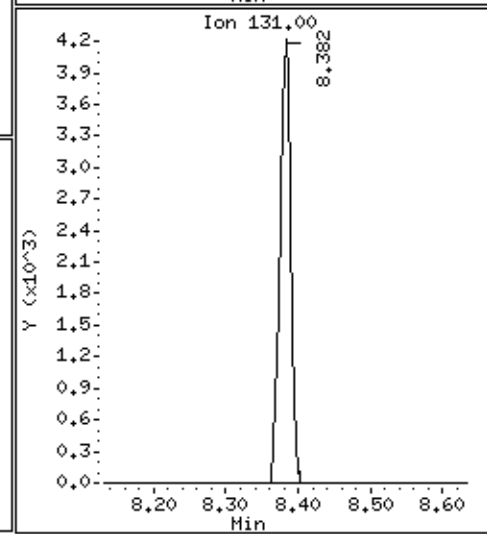
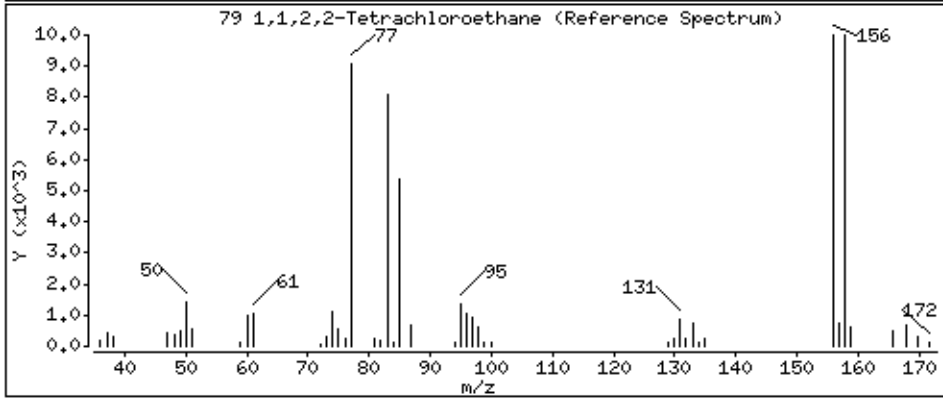
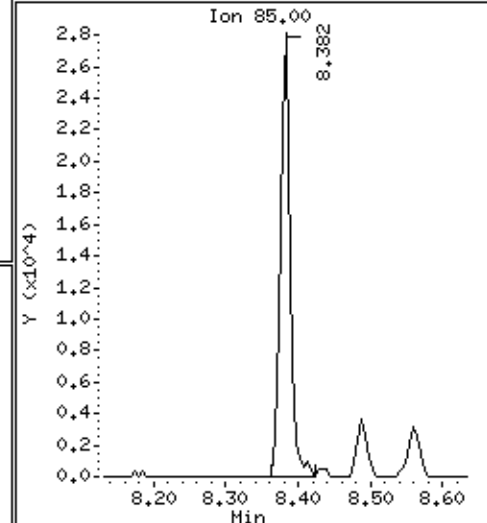
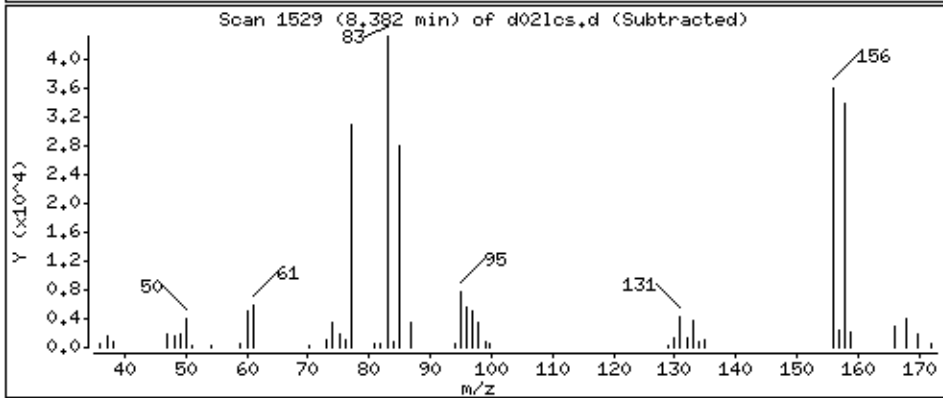
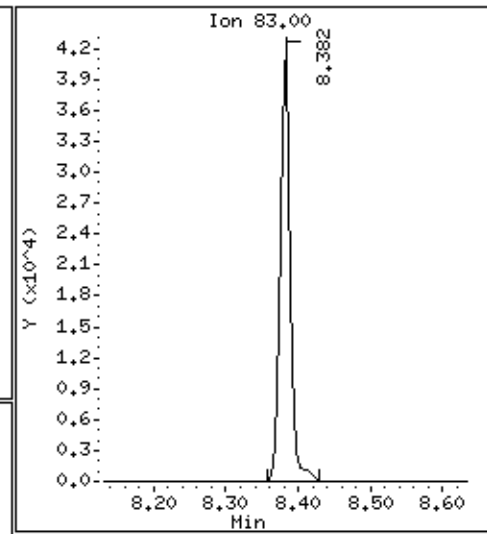
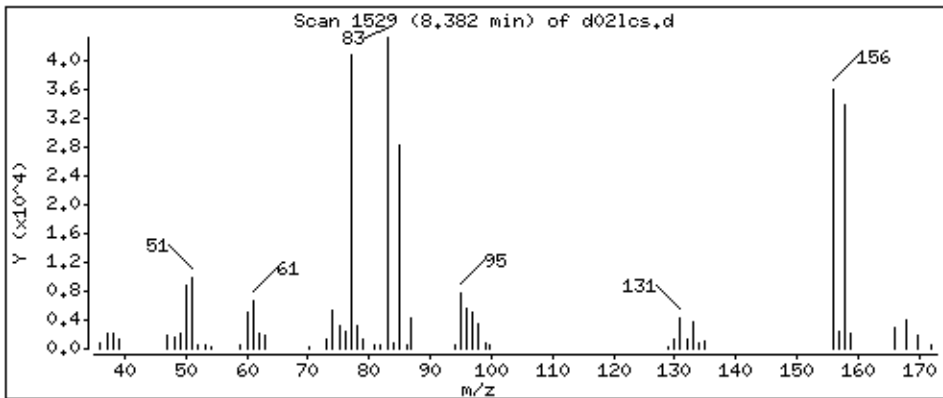
Operator: grm

Column phase: DB-624

Column diameter: 0,18

79 1,1,2,2-Tetrachloroethane

Concentration: 45,2 ppb



Date : 01-JUL-2014 22:47

Client ID: LCSs,71089;5

Instrument: 50mv1b.i

Sample Info: 1121338,71089;5

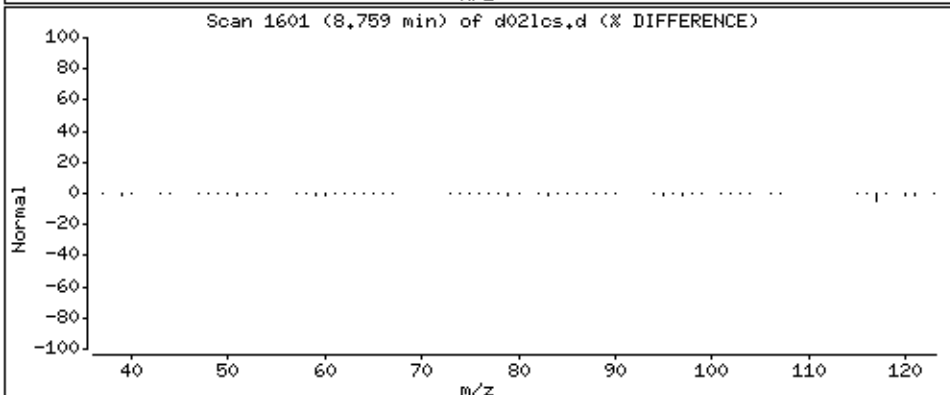
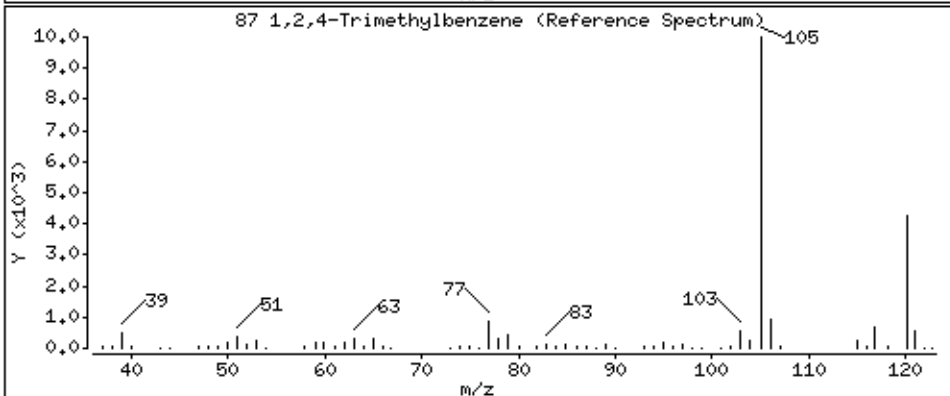
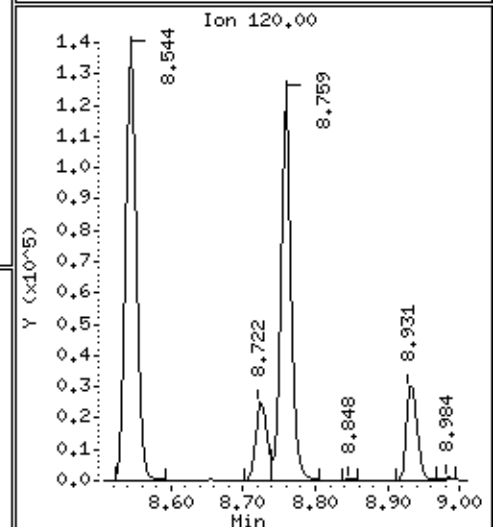
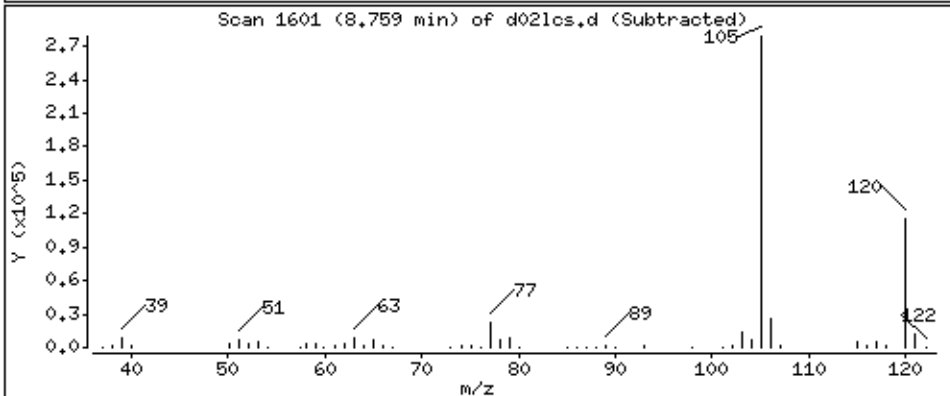
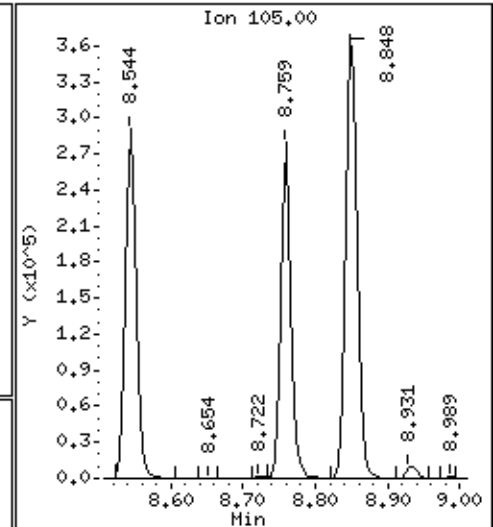
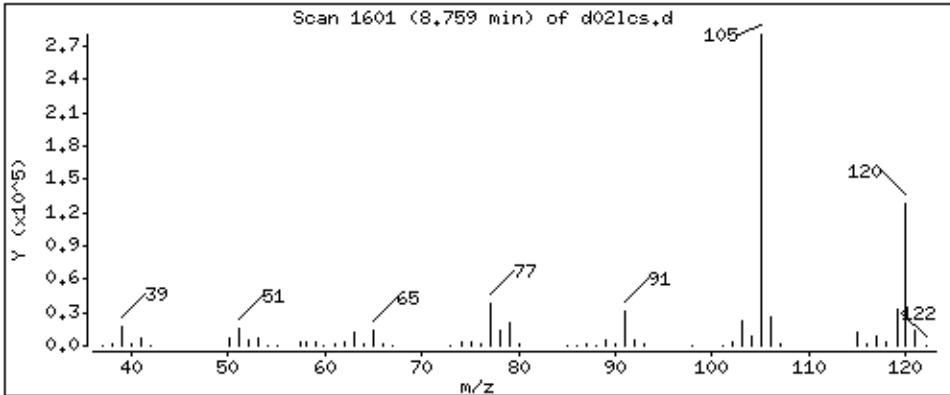
Operator: grm

Column phase: DB-624

Column diameter: 0,18

87 1,2,4-Trimethylbenzene

Concentration: 48,3 ppb



Date : 01-JUL-2014 22:47

Client ID: LCSs,71089;5

Instrument: 50mv1b.i

Sample Info: 1121338,71089;5

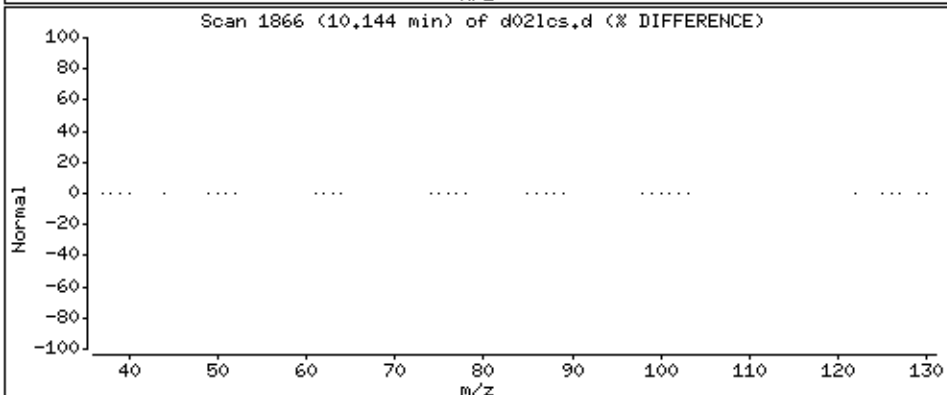
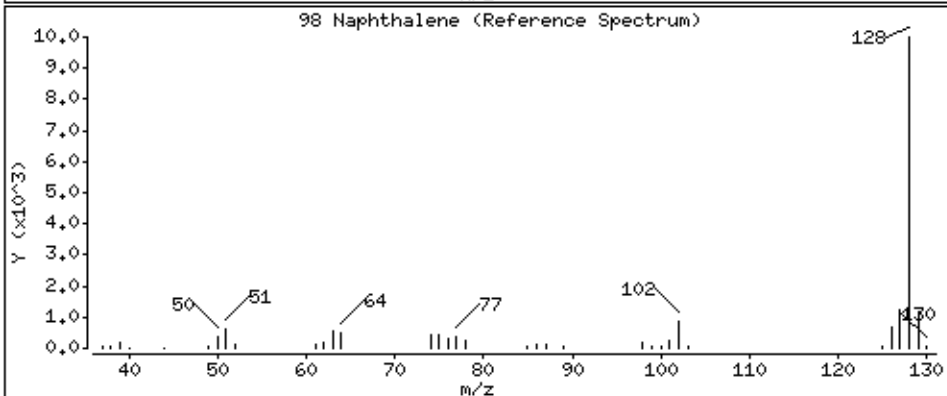
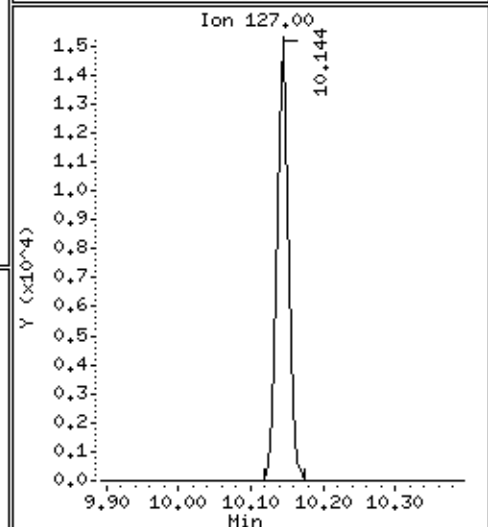
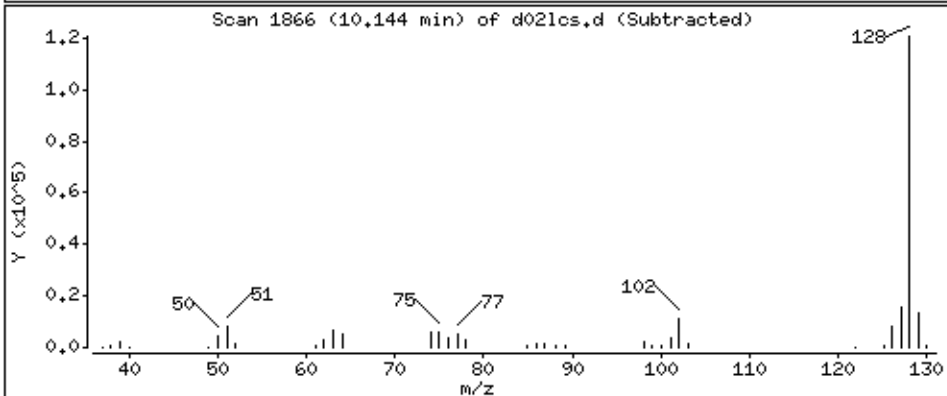
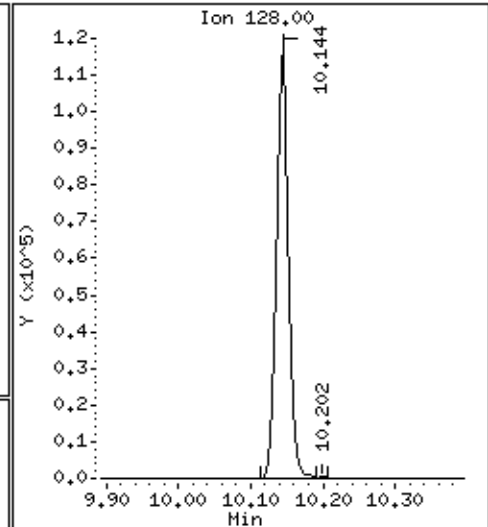
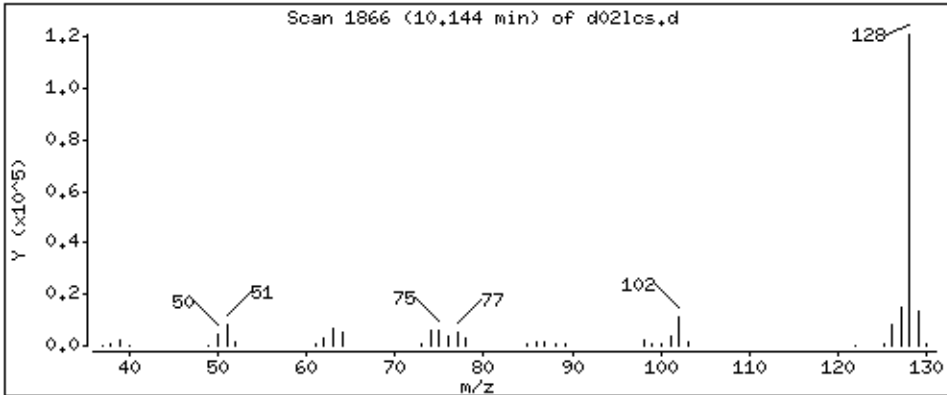
Operator: grm

Column phase: DB-624

Column diameter: 0,18

98 Naphthalene

Concentration: 50,4 ppb



Data File: \\192.168.50.6\chem\50mv1b.i\b070114.b/d021cs.d
Injection Date: 01-JUL-2014 22:47
Instrument: 50mv1b.i
Lab Sample ID: 1121338,71089:5
NO SIGNAL MANUAL INTEGRATIONS DONE FOR THIS DATA FILE

INSTRUMENT RUN LOG
Pace Analytical Services, Inc.

Instrument: 50mv1a.i

Column DB-624 20m X 0.18mm Helium

Method:

Misc. Prep Info [L]:

Misc. Prep Info [S]:

ISTD lot:

Surr. lot: 71107:1

Tune std: _____


Cal. std: _____

Path/File	Smp Info	Mtrx/Batch	Type	DF	pH	Method/Sublist	Date	Time	Oper	Comments
1/a00bfb.d	8260-TUNE,71127:	L/65941	BFB	1	7	bfb/all	6/19/14	13:15	grm	/
1/a01cal.d	8260-CAL1,71097:	L/65942	CALIB_1	1	<2	a8260_a_c/all	6/19/14	13:49	grm	
1/a02cal.d	8260-CAL2,71098:	L/65942	CALIB_2	1	<2	a8260_a_c/all	6/19/14	14:23	grm	
1/a03cal.d	8260-CAL3,71099:	L/65941	CALIB_3	1	<2	a8260_a_c/all	6/19/14	14:56	grm	
1/a04cal.d	8260-CAL4,71100:	L/65941	CALIB_4	1	<2	a8260_a_c/all	6/19/14	15:30	grm	
1/a05cal.d	8260-CAL5,71101:	L/65941	CALIB_5	1	<2	a8260_a_c/all	6/19/14	16:03	grm	
1/a06cal.d	8260-CAL6,71102:	L/65941	CALIB_6	1	<2	a8260_a_c/all	6/19/14	16:37	grm	
1/a07cal.d	8260-CAL7,71103:	L/65941	CALIB_7	1	<2	a8260_a_c/all	6/19/14	17:11	grm	
1/a08cal.d	8260-CAL8,71104:	L/65941	CALIB_8	1	<2	a8260_a_c/all	6/19/14	17:44	grm	
1/a09.d	rinse	L/	SAMPLE	1	<2	a8260_a_c/all	6/19/14	18:18	grm	
1/a10icv.d	8260-ICV,71105:0	L/65941	ICV	1	<2	a8260_a_c/all	6/19/14	18:51	grm	/
1/c00bfb.d	8260-TUNE,71127:	L/65941	BFB	1	7	bfb/all	6/19/14	19:25	grm	/
1/c01ccv.d	8260-CCV,71088:0	L/65941	CCALIB_6	1	7	a8260_a_c/all	6/19/14	19:58	grm	/
1/c02lcss.d	LCSs,71089:5	S/	LCS	1		a8260_a_c/all	6/19/14	20:31	grm	/
1/c03mbs.d	MBS	S/	BLANK	1		a8260_a_c/all	6/19/14	21:05	heb	
1/c04.d	5099011003,ust	S/65919	SAMPLE	1		a8260_a_c/ust	6/19/14	21:39	heb	
1/c05.d	5099011004,ust	S/65919	SAMPLE	1		a8260_a_c/ust	6/19/14	22:12	heb	
1/c06.d	5099336001	S/65920	SAMPLE	1		a8260_a_c/all	6/19/14	22:46	heb	
1/c07.d	5099336002	S/65920	SAMPLE	1		a8260_a_c/all	6/19/14	23:19	heb	
1/c08.d	5099336003	S/65920	SAMPLE	1		a8260_a_c/all	6/19/14	23:53	heb	
1/c09.d	5099336004	S/65920	SAMPLE	1		a8260_a_c/all	6/20/14	00:27	heb	
1/c10.d	5099336005	S/65920	SAMPLE	1		a8260_a_c/all	6/20/14	01:00	heb	
1/c11.d	1113339,71089:5	S/65920	MS	1		a8260_a_c/all	6/20/14	01:34	heb	
1/c12.d	1113340,71089:5	S/65920	MSD	1		a8260_a_c/all	6/20/14	02:07	heb	
1/c13.d	5099336006	S/65920	SAMPLE	1		a8260_a_c/all	6/20/14	02:40	heb	
1/c14.d	5099336007	S/65920	SAMPLE	1		a8260_a_c/all	6/20/14	03:14	heb	
1/c15.d	5099336008	S/65920	SAMPLE	1		a8260_a_c/all	6/20/14	03:47	heb	
1/c16.d	5099336009	S/65920	SAMPLE	1		a8260_a_c/all	6/20/14	04:21	heb	
1/c17.d	5099336010	S/65920	SAMPLE	1		a8260_a_c/all	6/20/14	04:54	heb	
1/c18.d	5099336011	S/65920	SAMPLE	1		a8260_a_c/all	6/20/14	05:27	heb	
1/c19.d	5099336012	S/65920	SAMPLE	1		a8260_a_c/all	6/20/14	06:00	heb	
1/c20.d	5099336013	S/65920	SAMPLE	1		a8260_a_c/all	6/20/14	06:34	heb	S3 Table
1/c21.d	5099336014	S/65920	SAMPLE	1		a8260_a_c/all	6/20/14	07:07	heb	

Comments: All water samples have a pH below 2 unless otherwise noted.

File Path 1: \\192.168.50.6\chem\50mv1a.i\A061914cal.b
Matrix Codes: [G]as, [L]iquid, [S]olid, [N]one
Report Date: 09:15 06/20/2014

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 6/20/14
 817 of 1611

INSTRUMENT RUN LOG
Pace Analytical Services, Inc.

Instrument: 50mvlb.i

Column DB-624 20m X 0.18mm Helium

Method:

Misc. Prep Info [L]:

Misc. Prep Info [S]:

ISTD lot:

Surr. lot: 71107:1

Tune std: _____

Cal. std: _____

Path/File	Smp Info	Mtrx/Batch	Type	DF	pH	Method/Sublist	Date	Time	Oper	Comments
1/b00bfb.d	8260-TUNE,71127:	L/65942	BFB	1	7	bfb/all	6/19/14	13:32	grm	
1/b01cal.d	8260-CAL1,71097:	L/65942	CALIB_1	1	<2	b8260_a_c/all	6/19/14	14:06	grm	
1/b02cal.d	8260-CAL2,71098:	L/65942	CALIB_2	1	<2	b8260_a_c/all	6/19/14	14:40	grm	
1/b03cal.d	8260-CAL3,71099:	L/65942	CALIB_3	1	<2	b8260_a_c/all	6/19/14	15:13	grm	
1/b04cal.d	8260-CAL4,71100:	L/65942	CALIB_4	1	<2	b8260_a_c/all	6/19/14	15:47	grm	
1/b05cal.d	8260-CAL5,71101:	L/65942	CALIB_5	1	<2	b8260_a_c/all	6/19/14	16:20	grm	
1/b06cal.d	8260-CAL6,71102:	L/65942	CALIB_6	1	<2	b8260_a_c/all	6/19/14	16:54	grm	
1/b07cal.d	8260-CAL7,71103:	L/65942	CALIB_7	1	<2	b8260_a_c/all	6/19/14	17:27	grm	
1/b08cal.d	8260-CAL8,71104:	L/65942	CALIB_8	1	<2	b8260_a_c/all	6/19/14	18:01	grm	
1/b09.d	rinse	L/	SAMPLE	1	<2	b8260_a_c/all	6/19/14	18:34	grm	
1/b10icv.d	8260-ICV,71105:0	L/65942	ICV	1	<2	b8260_a_c/all	6/19/14	19:08	grm	
1/d00bfb.d	8260-TUNE,71127:	L/65942	BFB	1	7	bfb/all	6/19/14	19:41	grm	
1/d01ccv.d	8260-CCV,71088:0	L/65942	CCALIB_6	1	7	b8260_a_c/all	6/19/14	20:15	grm	
1/d02lcss.d	LCSS,71089:5	S/	LCS	1		b8260_a_c/all	6/19/14	20:48	grm	
1/d03lcss.d	LCSS,71089:5	L/	LCS	1	7	b8260_a_c/all	6/19/14	21:22	heb	
1/d04mbs.d	MBS	S/	BLANK	1		b8260_a_c/all	6/19/14	21:55	heb	
1/d05mbw.d	MBW	L/	BLANK	1	7	b8260_a_c/all	6/19/14	22:29	heb	
1/d06.d	5099048004x10	L/65907	SAMPLE	10	<2	b8260_a_c/all	6/19/14	23:02	heb	
1/d07.d	5099048005x25	L/65907	SAMPLE	25	<2	b8260_a_c/all	6/19/14	23:36	heb	
1/d08.d	5099048006x10	L/65907	SAMPLE	10	<2	b8260_a_c/all	6/20/14	00:10	heb	
1/d09.d	5099442001	S/65923	SAMPLE	1		b8260_a_c/all	6/20/14	00:43	heb	
1/d10.d	5099442002	S/65923	SAMPLE	1		b8260_a_c/all	6/20/14	01:17	heb	
1/d11.d	5099442003	S/65923	SAMPLE	1		b8260_a_c/all	6/20/14	01:50	heb	
1/d12.d	5099444001	S/65922	SAMPLE	1		b8260_a_c/all	6/20/14	02:24	heb	
1/d13.d	5099444002	S/65922	SAMPLE	1		b8260_a_c/all	6/20/14	02:57	heb	
1/d14.d	5099444003	S/65922	SAMPLE	1		b8260_a_c/all	6/20/14	03:30	heb	
1/d15.d	5099336015	S/65922	SAMPLE	1		b8260_a_c/all	6/20/14	04:04	heb	noix \$7
1/d16.d	5099336016	S/65922	SAMPLE	1		b8260_a_c/all	6/20/14	04:37	heb	SA
1/d17.d	1113345,71089:5	S/65922	MS	1		b8260_a_c/all	6/20/14	05:10	heb	↓
1/d18.d	1113346,71089:5	S/65922	MSD	1		b8260_a_c/all	6/20/14	05:44	heb	
1/d19.d	5099336017	S/65922	SAMPLE	1		b8260_a_c/all	6/20/14	06:17	heb	noix \$7
1/d20.d	5099336018	S/65922	SAMPLE	1		b8260_a_c/all	6/20/14	06:50	heb	
1/d21.d	5099336019	S/65922	SAMPLE	1		b8260_a_c/all	6/20/14	07:23	heb	

Comments: All water samples have a pH below 2 unless otherwise noted.

File Path 1: \\192.168.50.6\chem\50mvlb.i\b061914cal.b
 Matrix Codes: [G]as, [L]iquid, [S]olid, [N]one
 Report Date: 09:30 06/20/2014

Page: 1

L70 6/20/14

INSTRUMENT RUN LOG
Pace Analytical Services, Inc.

Instrument: 50mvlb.i

Column DB-624 20m X 0.18mm Helium

Method:

Misc. Prep Info [L]:

Misc. Prep Info [S]:

ISTD lot:

Surr. lot: 71107:1

Tune std: _____

Cal. std: _____

Path/File	Smp Info	Mtrrx/Batch	Type	DF	pH	Method/Sublist	Date	Time	Oper	Comments
1/b00bfb.d	8260-TUNE,71127:	L/65942	BFB	1	7	bfb/all	6/19/14	13:32	grm	
1/b01cal.d	8260-CAL1,71097:	L/65942	CALIB_1	1	<2	b8260_a_c/all	6/19/14	14:06	grm	
1/b02cal.d	8260-CAL2,71098:	L/65942	CALIB_2	1	<2	b8260_a_c/all	6/19/14	14:40	grm	
1/b03cal.d	8260-CAL3,71099:	L/65942	CALIB_3	1	<2	b8260_a_c/all	6/19/14	15:13	grm	
1/b04cal.d	8260-CAL4,71100:	L/65942	CALIB_4	1	<2	b8260_a_c/all	6/19/14	15:47	grm	
1/b05cal.d	8260-CAL5,71101:	L/65942	CALIB_5	1	<2	b8260_a_c/all	6/19/14	16:20	grm	
1/b06cal.d	8260-CAL6,71102:	L/65942	CALIB_6	1	<2	b8260_a_c/all	6/19/14	16:54	grm	
1/b07cal.d	8260-CAL7,71103:	L/65942	CALIB_7	1	<2	b8260_a_c/all	6/19/14	17:27	grm	
1/b08cal.d	8260-CAL8,71104:	L/65942	CALIB_8	1	<2	b8260_a_c/all	6/19/14	18:01	grm	
1/b09.d	rinse	L/	SAMPLE	1	<2	b8260_a_c/all	6/19/14	18:34	grm	
1/b10icv.d	8260-ICV,71105:0	L/65942	ICV	1	<2	b8260_a_c/all	6/19/14	19:08	grm	
1/d00bfb.d	8260-TUNE,71127:	L/65942	BFB	1	7	bfb/all	6/19/14	19:41	grm	
1/d01ccv.d	8260-CCV,71088:0	L/65942	CCALIB_6	1	7	b8260_a_c/all	6/19/14	20:15	grm	
1/d02lcss.d	LCSs,71089:5	S/	LCS	1		b8260_a_c/all	6/19/14	20:48	grm	
1/d03lcs.w.d	LCSw,71089:5	L/	LCS	1	7	b8260_a_c/all	6/19/14	21:22	heb	
1/d04mbs.d	MBS	S/	BLANK	1		b8260_a_c/all	6/19/14	21:55	heb	
1/d05mbw.d	MBw	L/	BLANK	1	7	b8260_a_c/all	6/19/14	22:29	heb	
1/d06.d	5099048004x10	L/65907	SAMPLE	10	<2	b8260_a_c/all	6/19/14	23:02	heb	
1/d07.d	5099048005x25	L/65907	SAMPLE	25	<2	b8260_a_c/all	6/19/14	23:36	heb	
1/d08.d	5099048006x10	L/65907	SAMPLE	10	<2	b8260_a_c/all	6/20/14	00:10	heb	
1/d09.d	5099442001	S/65923	SAMPLE	1		b8260_a_c/all	6/20/14	00:43	heb	
1/d10.d	5099442002	S/65923	SAMPLE	1		b8260_a_c/all	6/20/14	01:17	heb	
1/d11.d	5099442003	S/65923	SAMPLE	1		b8260_a_c/all	6/20/14	01:50	heb	
1/d12.d	5099444001	S/65922	SAMPLE	1		b8260_a_c/all	6/20/14	02:24	heb	
1/d13.d	5099444002	S/65922	SAMPLE	1		b8260_a_c/all	6/20/14	02:57	heb	
1/d14.d	5099444003	S/65922	SAMPLE	1		b8260_a_c/all	6/20/14	03:30	heb	
1/d15.d	5099336015	S/65922	SAMPLE	1		b8260_a_c/all	6/20/14	04:04	heb	noix \$A
1/d16.d	5099336016	S/65922	SAMPLE	1		b8260_a_c/all	6/20/14	04:37	heb	SA
1/d17.d	1113345,71089:5	S/65922	MS	1		b8260_a_c/all	6/20/14	05:10	heb	
1/d18.d	1113346,71089:5	S/65922	MSD	1		b8260_a_c/all	6/20/14	05:44	heb	↓
1/d19.d	5099336017	S/65922	SAMPLE	1		b8260_a_c/all	6/20/14	06:17	heb	noix \$A
1/d20.d	5099336018	S/65922	SAMPLE	1		b8260_a_c/all	6/20/14	06:50	heb	
1/d21.d	5099336019	S/65922	SAMPLE	1		b8260_a_c/all	6/20/14	07:23	heb	

Comments: All water samples have a pH below 2 unless otherwise noted.

File Path 1: \\192.168.50.6\chem\50mvlb.i\b061914cal.b
Matrix Codes: [G]as, [L]iquid, [S]olid, [N]one
Report Date: 09:30 06/20/2014

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LJA 6/20/14

INSTRUMENT RUN LOG
Pace Analytical Services, Inc.

Instrument: 50mv1b.i
 Column DB-624 20m X 0.18mm Helium
 Misc. Prep Info [L]:
 Misc. Prep Info [S]:
 ISTD lot:
 Tune std: _____

Method:
 Surr. lot: 71107:1
 Cal. std: _____

Path/File	Smp Info	Mtrx/Batch	Type	DF	pH	Method/Sublist	Date	Time	Oper	Comments
1/b00bfb.d	8260-TUNE, 71127:	L/65942	BFB	1	7	bfb/all	7/01/14	09:36	grm	-
1/b01ccv.d	8260-CCV, 71692:0	L/65942	CCALIB_6	1	7	b8260_a_c/all	7/01/14	10:10	grm	- Passes full list
1/b02lcss.d	LCSs, 71089:5	S/	LCS	1		b8260_a_c/8260ss	7/01/14	10:57	grm	-
1/b03mbs.d	MBS	S/	BLANK	1		b8260_a_c/all	7/01/14	12:06	grm	-
1/b04lcsd.d	LCSm, 71089:5	S/	LCS	1		b8260_a_c/8260ss	7/01/14	12:40	grm	-
1/b05mbm.d	MBm	S/	BLANK	1		b8260_a_c/all	7/01/14	13:14	grm	-
1/b06.d	5099517030x25	S/66326	SAMPLE	25		b8260_a_c/all	7/01/14	13:47	grm	D4
1/b07.d	5099517030x500	S/66326	SAMPLE	500		b8260_a_c/all	7/01/14	14:21	grm	-
1/b08.d	5099517001x25	S/66326	SAMPLE	25		b8260_a_c/all	7/01/14	14:55	grm	D4
1/b09.d	5099517001x500	S/66326	SAMPLE	500		b8260_a_c/all	7/01/14	15:28	grm	-
1/b10.d	5099517003x25	S/66326	SAMPLE	25		b8260_a_c/all	7/01/14	16:02	grm	D4
1/b11.d	5099517003x500	S/66326	SAMPLE	500		b8260_a_c/all	7/01/14	16:36	grm	not used
1/b12.d	5099517013	S/66326	SAMPLE	1		b8260_a_c/all	7/01/14	17:10	grm	-
1/b13.d	5099517014x25	S/66326	SAMPLE	25		b8260_a_c/all	7/01/14	17:44	grm	D4
1/b14.d	5099517014x500	S/66326	SAMPLE	500		b8260_a_c/all	7/01/14	18:18	grm	-
1/b15.d	5099517015	S/66326	SAMPLE	1		b8260_a_c/all	7/01/14	18:51	grm	-
1/b16.d	5099517016x25	S/66326	SAMPLE	25		b8260_a_c/all	7/01/14	19:25	grm	D4
1/b17.d	5099517016x500	S/66326	SAMPLE	500		b8260_a_c/all	7/01/14	19:59	grm	not used
1/b18.d	5099517018	S/66326	SAMPLE	1		b8260_a_c/all	7/01/14	20:33	grm	-
1/b19.d	5099509010	S/66326	SAMPLE	1		b8260_a_c/all	7/01/14	21:06	grm	-
1/d00bfb.d	8260-TUNE, 71127:	L/65942	BFB	1	7	bfb/all	7/01/14	21:40	grm	-
1/d01ccv.d	8260-CCV, 71692:0	L/65942	CCALIB_6	1	7	b8260_a_c/all	7/01/14	22:14	grm	- Passes full list
1/d02lcs.d	LCSs, 71089:5	S/	LCS	1		b8260_a_c/8260ss	7/01/14	22:47	grm	-
1/d03mb.d	MBS	S/	BLANK	1		b8260_a_c/all	7/01/14	23:21	grm	-
1/d04.d	5099509011	S/66379	SAMPLE	1		b8260_a_c/all	7/01/14	23:55	grm	-
1/d05.d	5099509012	S/66379	SAMPLE	1		b8260_a_c/all	7/02/14	00:29	grm	run 25x
1/d06.d	5099517019	S/66379	SAMPLE	1		b8260_a_c/all	7/02/14	01:03	grm	-
1/d07.d	1121339, 71089:5	S/66379	MS	1		b8260_a_c/8260ss	7/02/14	01:36	grm	-
1/d08.d	1121340, 71089:5	S/66379	MSD	1		b8260_a_c/8260ss	7/02/14	02:10	grm	-
1/d09.d	5099517020	S/66379	SAMPLE	1		b8260_a_c/all	7/02/14	02:44	grm	-
1/d10.d	5099517021	S/66379	SAMPLE	1		b8260_a_c/all	7/02/14	03:17	grm	-
1/d11.d	5099517022	S/66379	SAMPLE	1		b8260_a_c/all	7/02/14	03:51	grm	-
1/d12.d	5099517023	S/66379	SAMPLE	1		b8260_a_c/all	7/02/14	04:25	grm	-

Comments: All water samples have a pH below 2 unless otherwise noted.

File Path 1: \\192.168.50.6\chem\50mv1b.i\b070114.b
 Matrix Codes: [G]as, [L]iquid, [S]olid, [N]one
 Report Date: 12:33 07/02/2014

(15) 7-2-14

INSTRUMENT RUN LOG
Pace Analytical Services, Inc.

Instrument: 50mv1b.i
Column DB-624 20m X 0.18mm Helium
Misc. Prep Info [L]:
Misc. Prep Info [S]:
ISTD lot:
Tune std: _____

Method:

Surr. lot: 71107:1
Cal. std: _____

Path/File	Smp Info	Mtrx/Batch	Type	DF	pH	Method/Sublist	Date	Time	Oper	Comments
1/d13.d	5099517024	S/66379	SAMPLE	1		b8260_a_c/all	7/02/14	04:58	grm	_____
1/d14.d	5099517025	S/66379	SAMPLE	1		b8260_a_c/all	7/02/14	05:32	grm	_____
1/d15.d	5099517026	S/66379	SAMPLE	1		b8260_a_c/all	7/02/14	06:05	grm	_____
1/d16.d	5099517043	S/66379	SAMPLE	1		b8260_a_c/all	7/02/14	06:39	grm	_____
1/d17.d	5099627001	S/66379	SAMPLE	1		b8260_a_c/all	7/02/14	07:12	grm	_____
1/d18.d	5099627002	S/66379	SAMPLE	1		b8260_a_c/all	7/02/14	07:46	grm	_____
1/d19.d	5099627003	S/66379	SAMPLE	1		b8260_a_c/all	7/02/14	08:20	grm	_____
1/d20.d	5099627004	S/66379	SAMPLE	1		b8260_a_c/all	7/02/14	08:54	grm	_____

⑤ 7-2-14

Comments: All water samples have a pH below 2 unless otherwise noted.

File Path 1: \\192.168.50.6\chem\50mv1b.i\b070114.b
Matrix Codes: [G]as, [L]iquid, [S]olid, [N]one
Report Date: 12:33 07/02/2014

Page: 2

INSTRUMENT RUN LOG
Pace Analytical Services, Inc.

Instrument: 50mv1a.i
 Column DB-624 20m X 0.18mm Helium
 Misc. Prep Info [L]:
 Misc. Prep Info [S]:
 ISTD lot:
 Tune std: _____

Method:
 Surr. lot: 71783:1
 Cal. std: _____

Path/File	Smp Info	Mtrx/Batch	Type	DF	pH	Method/Sublist	Date	Time	Oper	Comments
1/a00bfb.d	8260-TUNE, 71784:	L/65941	BFB	1	7	bfb/all	7/02/14	10:45	grm	-
1/a01ccv.d	8260-CCV, 71692:0	L/65941	CCALIB_6	1	7	a8260_a_c/all	7/02/14	11:19	grm	- Passing All list
1/a02lcss.d	LCSS, 71089:5	S/	LCS	1		a8260_a_c/8260ss	7/02/14	11:52	grm	-
1/a02lcssx.d	1121878, 71089:5	S/66393	LCS	1		a8260_a_c/8260ss	7/02/14	11:52	grm	-
1/a03mbs.d	MBS	S/	BLANK	1		a8260_a_c/all	7/02/14	12:26	grm	-
1/a03mbsx.d	MBS	S/66393	BLANK	1		a8260_a_c/all	7/02/14	12:26	grm	-
1/a04.d	50100186019,ust	S/66393	SAMPLE	1		a8260_a_c/ust	7/02/14	13:00	grm	-
1/a05.d	50100186020,ust	S/66393	SAMPLE	1		a8260_a_c/ust	7/02/14	13:33	grm	-
1/a06.d	50100186021,ust	S/66393	SAMPLE	1		a8260_a_c/ust	7/02/14	14:07	grm	-
1/a07.d	50100191001,ust	S/66393	SAMPLE	1		a8260_a_c/ust	7/02/14	14:40	grm	-
1/a08.d	50100191002,ust	S/66393	SAMPLE	1		a8260_a_c/ust	7/02/14	15:14	grm	-
1/a09.d	5099627005	S/66420	SAMPLE	1		a8260_a_c/all	7/02/14	15:48	grm	-
1/a10.d	5099627006	S/66420	SAMPLE	1		a8260_a_c/all	7/02/14	16:21	grm	-
1/a11.d	5099627007	S/66420	SAMPLE	1		a8260_a_c/all	7/02/14	16:55	grm	-
1/a12.d	5099627008	S/66420	SAMPLE	1		a8260_a_c/all	7/02/14	17:29	grm	-
1/a13.d	5099627009	S/66420	SAMPLE	1		a8260_a_c/all	7/02/14	18:03	grm	-
1/a14.d	5099627010	S/66420	SAMPLE	1		a8260_a_c/all	7/02/14	18:37	grm	-
1/a15.d	5099627011	S/66420	SAMPLE	1		a8260_a_c/all	7/02/14	19:10	grm	no h.h.c c/o from c-2
1/a16.d	5099627012	S/66420	SAMPLE	1		a8260_a_c/all	7/02/14	19:44	grm	-
1/a17.d	5099627014	S/66420	SAMPLE	1		a8260_a_c/all	7/02/14	20:18	grm	-
1/a18.d	5099627015	S/66420	SAMPLE	1		a8260_a_c/all	7/02/14	20:51	grm	-
1/a19.d	5099627016	S/66420	SAMPLE	1		a8260_a_c/all	7/02/14	21:25	grm	no h.h.c c/o from c-2
1/a20.d	5099627017	S/66420	SAMPLE	1		a8260_a_c/all	7/02/14	21:58	grm	-
1/c00bfb.d	8260-TUNE, 71784:	L/65941	BFB	1	7	bfb/all	7/02/14	22:32	grm	-
1/c01ccv.d	8260-CCV, 71692:0	L/65941	CCALIB_6	1	7	a8260_a_c/all	7/02/14	23:05	grm	- Passes full list
1/c02lcss.d	LCSS, 71089:5	L/	LCS	1	7	a8260_a_c/8260ss	7/02/14	23:39	grm	-
1/c03lcss.d	LCSS, 71089:5	S/	LCS	1		a8260_a_c/8260ss	7/03/14	00:12	grm	-
1/c04mbw.d	MBw	L/	BLANK	1	7	a8260_a_c/all	7/03/14	00:45	grm	-
1/c05mbs.d	MBS	S/	BLANK	1		a8260_a_c/all	7/03/14	01:19	grm	-
1/c06.d	5099889002	S/66437	SAMPLE	1		a8260_a_c/all	7/03/14	01:52	grm	-
1/c07.d	5099889004	S/66437	SAMPLE	1		a8260_a_c/all	7/03/14	02:26	grm	-
1/c08.d	5099889006	S/66437	SAMPLE	1		a8260_a_c/all	7/03/14	02:59	grm	-
1/c09.d	1122272, 71089:5	S/66437	MS	1		a8260_a_c/8260ss	7/03/14	03:33	grm	-

Comments: All water samples have a pH below 2 unless otherwise noted.

File Path 1: \\192.168.50.6\chem\50mv1a.i\a070214.b
 Matrix Codes: [G]as, [L]iquid, [S]olid, [N]one
 Report Date: 13:34 07/03/2014

Page: 1

(52) 7-3-14

INSTRUMENT RUN LOG
Pace Analytical Services, Inc.

Instrument: 50mv1a.i
Column DB-624 20m X 0.18mm Helium
Misc. Prep Info [L]:
Misc. Prep Info [S]:
ISTD lot:
Tune std: _____

Method:

Surr. lot: 71783:1
Cal. std: _____

Path/File	Smp Info	Mtrx/Batch	Type	DF	pH	Method/Sublist	Date	Time	Oper	Comments
1/c10.d	1122273,71089:5	S/66437	MSD	1		a8260_a_c/8260ss	7/03/14	04:06	grm	_____
1/c11.d	5099627018	S/66438	SAMPLE	1		a8260_a_c/all	7/03/14	04:40	grm	_____
1/c12.d	5099627019	S/66438	SAMPLE	1		a8260_a_c/all	7/03/14	05:13	grm	_____
1/c13.d	5099859001	L/66439	SAMPLE	1	<2	a8260_a_c/all	7/03/14	05:47	grm	_____
1/c14.d	1122278,71089:5	L/66439	MS	1	<2	a8260_a_c/8260ss	7/03/14	06:21	grm	_____
1/c15.d	1122279,71089:5	L/66439	MSD	1	<2	a8260_a_c/8260ss	7/03/14	06:54	grm	_____
1/c16.d	5099859002	L/66439	SAMPLE	1	<2	a8260_a_c/all	7/03/14	07:28	grm	_____
1/c17.d	5099859003	L/66439	SAMPLE	1	<2	a8260_a_c/all	7/03/14	08:02	grm	_____
1/c18.d	5099859004	L/66439	SAMPLE	1	<2	a8260_a_c/all	7/03/14	08:35	grm	_____
1/c19.d	5099859005	L/66439	SAMPLE	1	<2	a8260_a_c/all	7/03/14	09:09	grm	_____
1/c20.d	5099859006	L/66439	SAMPLE	1	<2	a8260_a_c/all	7/03/14	09:43	grm	_____
1/c21.d	5099859007	L/66439	SAMPLE	1	<2	a8260_a_c/all	7/03/14	10:17	grm	_____

(b) 7-3-14

Comments: All water samples have a pH below 2 unless otherwise noted.

File Path 1: \\192.168.50.6\chem\50mv1a.i\A070214.b
Matrix Codes: [G]as, [L]iquid, [S]olid, [N]one
Report Date: 13:34 07/03/2014

INSTRUMENT RUN LOG
Pace Analytical Services, Inc.

Instrument: 50mv1a.i
 Column DB-624 20m X 0.18mm Helium
 Misc. Prep Info [L]:
 Misc. Prep Info [S]:
 ISTD lot:
 Tune std: _____

Method:
 Surr. lot: 71783:1
 Cal. std: _____

Path/File	Smp Info	Mtrx/Batch	Type	DF	pH	Method/Sublist	Date	Time	Oper	Comments
1/a00bfb.d	8260-TUNE, 71784:	L/65941	BFB	1	7	bfb/all	7/03/14	11:43	grm	
1/a01ccv.d	8260-CCV, 71692:0	L/65941	CCALIB_6	1	7	a8260_a_c/all	7/03/14	12:16	grm	Passes Full list
1/a02lcss.d	LCSs, 71089:5	S/	LCS	1		a8260_a_c/8260ss	7/03/14	12:49	grm	
1/a03lcsd.d	LCSm, 71089:5	S/	LCS	1		a8260_a_c/8260ss	7/03/14	13:23	grm	
1/a04mbs.d	MBS	S/	BLANK	1		a8260_a_c/all	7/03/14	13:56	grm	
1/a05mbm.d	MBm	S/	BLANK	1		a8260_a_c/all	7/03/14	14:30	grm	
1/a06.d	5099627011x1.1	S/66420	SAMPLE	1		a8260_a_c/all	7/03/14	15:03	grm	
1/a07.d	5099627016x1.1	S/66420	SAMPLE	1		a8260_a_c/all	7/03/14	15:36	grm	
1/a08.d	5099529008x5000	S/66432	SAMPLE	5000		a8260_a_c/all	7/03/14	16:10	grm	
1/a09.d	5099627012x1.1	S/66420	SAMPLE	1		a8260_a_c/all	7/03/14	16:44	grm	
1/a10.d	5099808018	L/66489	SAMPLE	1	<2	a8260_a_c/all	7/03/14	17:17	grm	
1/a11.d	1123160, 71089:5	L/66489	MS	1	<2	a8260_a_c/8260ss	7/03/14	17:51	grm	pH 7.2
1/a12.d	1123161, 71089:5	L/66489	MSD	1	<2	a8260_a_c/8260ss	7/03/14	18:24	grm	
1/a13.d	5099808019	L/66489	SAMPLE	1	<2	a8260_a_c/all	7/03/14	18:58	grm	
1/a14.d	5099808020	L/66489	SAMPLE	1	<2	a8260_a_c/all	7/03/14	19:32	grm	
1/a15.d	5099808021	L/66489	SAMPLE	1	<2	a8260_a_c/all	7/03/14	20:05	grm	
1/a16lcsd.d	LCSw, 71089:5	L/	LCS	1	7	a8260_a_c/8260ss	7/03/14	20:39	grm	
1/a17mbw.d	MBw	L/	BLANK	1	7	a8260_a_c/all	7/03/14	21:12	grm	
1/a18.d	5099859008	L/66493	SAMPLE	1	<2	a8260_a_c/all	7/03/14	21:45	grm	
1/a19.d	5099859009	L/66493	SAMPLE	1	<2	a8260_a_c/all	7/03/14	22:19	grm	
1/a20.d	5099859010	L/66493	SAMPLE	1	<2	a8260_a_c/all	7/03/14	22:52	grm	
1/a21.d	5099859011	L/66493	SAMPLE	1	<2	a8260_a_c/all	7/03/14	23:25	grm	
1/c00bfb.d	8260-TUNE, 71784:	L/65941	BFB	1	7	bfb/all	7/03/14	23:59	grm	
1/c01ccv.d	8260-CCV, 71692:0	L/65941	CCALIB_6	1	7	a8260_a_c/all	7/04/14	00:32	grm	Passes Full list
1/c02lcs.d	LCSw, 71089:5	L/	LCS	1	7	a8260_a_c/8260ss	7/04/14	01:06	grm	
1/c03mb.d	MBw	L/	BLANK	1	7	a8260_a_c/all	7/04/14	01:39	grm	
1/c04.d	5099859012	L/66495	SAMPLE	1	<2	a8260_a_c/all	7/04/14	02:13	grm	
1/c05.d	5099859013	L/66495	SAMPLE	1	<2	a8260_a_c/all	7/04/14	02:47	grm	
1/c06.d	50100226001	L/66495	SAMPLE	1	<2	a8260_a_c/all	7/04/14	03:20	grm	
1/c07.d	50100226002	L/66495	SAMPLE	1	<2	a8260_a_c/all	7/04/14	03:54	grm	
1/c08.d	1123222, 71089:5	L/66495	MS	1	<2	a8260_a_c/8260ss	7/04/14	04:27	grm	
1/c09.d	1123223, 71089:5	L/66495	MSD	1	<2	a8260_a_c/8260ss	7/04/14	05:01	grm	
1/c10.d	50100226003	L/66495	SAMPLE	1	<2	a8260_a_c/all	7/04/14	05:35	grm	

Comments: All water samples have a pH below 2 unless otherwise noted.

File Path 1: \\192.168.50.6\chem\50mv1a.i\A070314.b
 Matrix Codes: [G]as, [L]iquid, [S]olid, [N]one
 Report Date: 10:18 07/07/2014

(15) 7-7-14

INSTRUMENT RUN LOG
Pace Analytical Services, Inc.

Instrument: 50mv1a.i

Column DB-624 20m X 0.18mm Helium

Method:

Misc. Prep Info [L]:

Misc. Prep Info [S]:

ISTD lot:

Surr. lot: 71783:1

Tune std: _____

Cal. std: _____

Path/File	Smp Info	Mtrx/Batch	Type	DF	pH	Method/Sublist	Date	Time	Oper	Comments
1/c11.d	50100226004	L/66495	SAMPLE	1	<2	a8260_a_c/all	7/04/14	06:08	grm	pH?
1/c12.d	50100226005	L/66495	SAMPLE	1	<2	a8260_a_c/all	7/04/14	06:42	grm	
1/c13.d	50100226006	L/66495	SAMPLE	1	<2	a8260_a_c/all	7/04/14	07:15	grm	
1/c14.d	50100226007	L/66495	SAMPLE	1	<2	a8260_a_c/all	7/04/14	07:49	grm	pH?
1/c15.d	50100005001	L/66495	SAMPLE	1	<2	a8260_a_c/all	7/04/14	08:23	grm	
1/c16.d	50100005002	L/66495	SAMPLE	1	<2	a8260_a_c/all	7/04/14	08:57	grm	
1/c17.d	50100005003	L/66495	SAMPLE	1	<2	a8260_a_c/all	7/04/14	09:31	grm	
1/c18.d	50100005004	L/66495	SAMPLE	1	<2	a8260_a_c/all	7/04/14	10:05	grm	
1/c19.d	50100005005	L/66495	SAMPLE	1	<2	a8260_a_c/all	7/04/14	10:38	grm	
1/c20.d	50100005006	L/66495	SAMPLE	1	<2	a8260_a_c/all	7/04/14	11:12	grm	
1/c21.d	50100005006x10	L/66495	SAMPLE	10	<2	a8260_a_c/all	7/04/14	11:46	grm	

⑤ 7-7-14

Comments: All water samples have a pH below 2 unless otherwise noted.

File Path 1: \\192.168.50.6\chem\50mv1a.i\A070314.b

Matrix Codes: [G]as, [L]iquid, [S]olid, [N]one

Report Date: 10:18 07/07/2014

Page: 2

MSSV FULL SCAN - FORM II SVOA-1
SOLID SEMI-VOLATILE SURROGATE RECOVERY

Lab Name: Pace Analytical - Indiana SDG No.: 5099627 Contract: Sibley - Accucast

Instrument ID: 50MSS2

LAB SAMPLE ID	SAMPLE NAME	24B6	2FBP	2FPH	NIT5	PHD5	TD14
1115928	1115928BLANK	76	74	74	70	75	101
1115929	1115929LCS	80	76	74	70	76	98
1116664	1116664BLANK	80	76	80	77	79	106
1116665	1116665LCS	73	70	71	68	73	90
1116666	1116666MS	72	65	65	63	66	85
1116667	1116667MSD	72	67	72	70	75	85
1117083	1117083BLANK	78	66	73	68	76	96
1117084	1117084LCS	82	67	69	66	71	95
5099627001	P-8 (6-8)	87	70	76	75	79	87
5099627002	TMW-7 (8-10)	74	70	69	65	71	88
5099627003	P-8 (16-18)	81	73	73	70	75	96
5099627004	P-4 (16-18)	68	65	62	60	64	84
5099627005	TMW-9 (3-5)	80	76	75	73	77	95
5099627006	TMW-3 (15-16)	82	74	73	70	76	101
5099627007	TMW-9 (16-18)	82	74	74	71	77	95
5099627008	P-7 (13-15)	82	76	75	74	77	98
5099627009	P-3 (16-18)	61	59	58	55	59	72
5099627010	TMW-7 (14-16)	72	72	70	70	70	85
5099627011	P-4 (5-7)	68	64	68	67	70	80
5099627012	P-7 (5-7)	80	75	78	75	78	98
5099627014	TMW-3 (8-9)	75	65	68	64	70	90
5099627015	P-9 (2-4)	67	61	66	62	70	89
5099627016	P-3 (8-10)	76	65	69	65	73	89
5099627017	P-9 (13-15)	72	60	64	59	67	85
5099627018	Surf-Dupe	78	68	73	68	76	89

QC LIMITS

- (24B6) = 2,4,6-Tribromophenol (S) (16-122)
- (2FBP) = 2-Fluorobiphenyl (S) (31-94)
- (2FPH) = 2-Fluorophenol (S) (24-104)
- (NIT5) = Nitrobenzene-d5 (S) (26-98)
- (NIT5) = Nitrobenzene-d5 (S) (28-101)
- (PHD5) = Phenol-d5 (S) (28-101)
- (TD14) = p-Terphenyl-d14 (S) (26-110)

* Values outside of QC Limits

MSSV FULL SCAN - FORM III SVOA-1
SOLID LABORATORY CONTROL SAMPLE RECOVERY

Lab Name: Pace Analytical - Indiana
 Date Extracted: 06/23/2014
 Instrument: 50MSS2
 Lab File ID: 062314.B\1115929L.D

Lab Sample ID: 1115929LCS
 Date Analyzed (1): 06/23/2014
 LCS Lot No: 70722
 SDG No.: 5099627

COMPOUND	AMOUNT ADDED (ug/kg)	LCS CONCENTRATION (ug/kg)	LCS %REC	QC LIMITS REC.
Acenaphthene	3330	2560	77	43-99
Acenaphthylene	3330	2530	76	42-101
Anthracene	3330	2750	82	46-107
Benzo(a)anthracene	3330	2740	82	45-108
Benzo(a)pyrene	3330	2810	84	47-113
Benzo(b)fluoranthene	3330	2740	82	41-110
Benzo(g,h,i)perylene	3330	2730	82	42-112
Benzo(k)fluoranthene	3330	2630	79	44-107
4-Chloro-3-methylphenol	3330	2570	77	38-104
2-Chlorophenol	3330	2460	74	38-96
Chrysene	3330	2810	84	43-103
Dibenz(a,h)anthracene	3330	2780	83	43-110
2,4-Dinitrotoluene	3330	2640	79	39-103
Fluoranthene	3330	2780	83	45-105
Fluorene	3330	2650	80	42-103
Indeno(1,2,3-cd)pyrene	3330	2720	82	43-111
2-Methylnaphthalene	3330	2460	74	36-94
Naphthalene	3330	2350	71	44-100
4-Nitrophenol	3330	2350	71	34-104
N-Nitroso-di-n-propylamine	3330	2520	76	37-96
Pentachlorophenol	3330	2120	64	21-103
Phenanthrene	3330	2700	81	44-104
Phenol	3330	2510	75	37-101
Pyrene	3330	2790	84	44-105

Spike Recovery: 0 out of 24 outside limits.

MSSV FULL SCAN - FORM III SVOA-1
SOLID LABORATORY CONTROL SAMPLE RECOVERY

Lab Name: Pace Analytical - Indiana
Date Extracted: 06/24/2014
Instrument: 50MSS2
Lab File ID: 062514.B\1116665L.D

Lab Sample ID: 1116665LCS
Date Analyzed (1): 06/25/2014
LCS Lot No: 70722
SDG No.: 5099627

COMPOUND	AMOUNT ADDED (ug/kg)	LCS CONCENTRATION (ug/kg)	LCS %REC	QC LIMITS REC.
Acenaphthene	3330	2420	73	43-99
Acenaphthylene	3330	2440	73	42-101
Anthracene	3330	2560	77	46-107
Benzo(a)anthracene	3330	2620	79	45-108
Benzo(a)pyrene	3330	2690	81	47-113
Benzo(b)fluoranthene	3330	2410	72	41-110
Benzo(g,h,i)perylene	3330	2660	80	42-112
Benzo(k)fluoranthene	3330	2710	81	44-107
4-Chloro-3-methylphenol	3330	2420	73	38-104
2-Chlorophenol	3330	2370	71	38-96
Chrysene	3330	2720	81	43-103
Dibenz(a,h)anthracene	3330	2710	81	43-110
2,4-Dinitrotoluene	3330	2580	77	39-103
Fluoranthene	3330	2650	79	45-105
Fluorene	3330	2550	76	42-103
Indeno(1,2,3-cd)pyrene	3330	2650	80	43-111
2-Methylnaphthalene	3330	2340	70	36-94
Naphthalene	3330	2280	68	44-100
4-Nitrophenol	3330	2330	70	34-104
N-Nitroso-di-n-propylamine	3330	2370	71	37-96
Pentachlorophenol	3330	1910	57	21-103
Phenanthrene	3330	2500	75	44-104
Phenol	3330	2410	72	37-101
Pyrene	3330	2670	80	44-105

Spike Recovery: 0 out of 24 outside limits.

07/17/2014 9:25

MSSV FULL SCAN - FORM III SVOA-1
SOLID LABORATORY CONTROL SAMPLE RECOVERY

Lab Name: Pace Analytical - Indiana
Date Extracted: 06/25/2014
Instrument: 50MSS2
Lab File ID: 062514.B\1117084L.D

Lab Sample ID: 1117084LCS
Date Analyzed (1): 06/26/2014
LCS Lot No: 70722
SDG No.: 5099627

COMPOUND	AMOUNT ADDED (ug/kg)	LCS CONCENTRATION (ug/kg)	LCS %REC	QC LIMITS REC.
Acenaphthene	3330	2380	72	43-99
Acenaphthylene	3330	2380	71	42-101
Anthracene	3330	2620	79	46-107
Benzo(a)anthracene	3330	2660	80	45-108
Benzo(a)pyrene	3330	2760	83	47-113
Benzo(b)fluoranthene	3330	2600	78	41-110
Benzo(g,h,i)perylene	3330	2650	80	42-112
Benzo(k)fluoranthene	3330	2640	79	44-107
4-Chloro-3-methylphenol	3330	2560	77	38-104
2-Chlorophenol	3330	2320	69	38-96
Chrysene	3330	2710	81	43-103
Dibenz(a,h)anthracene	3330	2750	82	43-110
2,4-Dinitrotoluene	3330	2320	70	39-103
Fluoranthene	3330	2780	83	45-105
Fluorene	3330	2550	76	42-103
Indeno(1,2,3-cd)pyrene	3330	2670	80	43-111
2-Methylnaphthalene	3330	2310	69	36-94
Naphthalene	3330	2170	65	44-100
4-Nitrophenol	3330	2250	68	34-104
N-Nitroso-di-n-propylamine	3330	2410	72	37-96
Pentachlorophenol	3330	2190	66	21-103
Phenanthrene	3330	2560	77	44-104
Phenol	3330	2390	72	37-101
Pyrene	3330	2760	83	44-105

Spike Recovery: 0 out of 24 outside limits.

07/17/2014 9:25

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: 1115930MS

Date Extracted: 06/23/2014

Date Analyzed (1): 06/23/2014

Instrument: 50MSS2

Lab File ID: 062314.B\1115930MX5.D

Parent Sample ID: 5099559004

SDG No.: 5099627

COMPOUND	SPIKE ADDED (ug/kg)	SAMPLE CONCENTRATION (mg/kg)	MS CONCENTRATION (ug/kg)	MS %REC	QC LIMITS REC.
2,4-Dinitrotoluene	4470	ND	1820J	41	15-102
2-Chlorophenol	4470	ND	3200	72	22-96
2-Methylnaphthalene	4470	ND	3250	73	14-107
4-Chloro-3-methylphenol	4470	ND	3160J	71	21-105
4-Nitrophenol	4470	ND	ND	45	12-107
Acenaphthene	4470	ND	3410	76	19-110
Acenaphthylene	4470	ND	3290	74	21-106
Anthracene	4470	ND	3360	75	22-112
Benzo(a)anthracene	4470	ND	3710	66	13-116
Benzo(a)pyrene	4470	ND	3700	66	11-119
Benzo(b)fluoranthene	4470	ND	3690	63	10-126
Benzo(g,h,i)perylene	4470	ND	3300	63	10-114
Benzo(k)fluoranthene	4470	ND	3680	65	10-117
Chrysene	4470	ND	3960	68	14-107
Dibenz(a,h)anthracene	4470	ND	3110	64	10-119
Fluoranthene	4470	ND	4970	70	17-110
Fluorene	4470	ND	3450	77	17-115
Indeno(1,2,3-cd)pyrene	4470	ND	3270	63	11-111
N-Nitroso-di-n-propylamine	4470	ND	3200	72	18-103
Naphthalene	4470	ND	3210	72	16-102
Pentachlorophenol	4470	ND	ND	61	10-100
Phenanthrene	4470	ND	4010	71	10-128
Phenol	4470	ND	3210	72	22-97
Pyrene	4470	ND	4650	72	10-123

Spike Recovery: 0 out of 24 outside limits.

MSSV FULL SCAN - FORM III SVOA-2
SOLID SEMI-VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Instrument (2): 50MSS2 Matrix Spike Duplicate - Sample No: 1115931MSD
Lab File ID (2): 062314.B\1115931DX5.D Date Analyzed (2): 06/23/2014

COMPOUND	SPIKE ADDED (ug/kg)	MSD CONCENTRATION (ug/kg)	MSD %REC	%RPD	QC LIMITS	
					RPD	REC.
2,4-Dinitrotoluene	4430	1550J	35		0-20	15-102
2-Chlorophenol	4430	3000	68	7	0-20	22-96
2-Methylnaphthalene	4430	3020	68	7	0-20	14-107
4-Chloro-3-methylphenol	4430	2870J	65		0-20	21-105
4-Nitrophenol	4430	ND	42		0-20	12-107
Acenaphthene	4430	3110	70	9	0-20	19-110
Acenaphthylene	4430	3010	68	9	0-20	21-106
Anthracene	4430	3170	72	6	0-20	22-112
Benzo(a)anthracene	4430	3240	56	14	0-20	13-116
Benzo(a)pyrene	4430	3180	54	15	0-20	11-119
Benzo(b)fluoranthene	4430	3000	48	21	0-20	10-126
Benzo(g,h,i)perylene	4430	2970	56	11	0-20	10-114
Benzo(k)fluoranthene	4430	3400	59	8	0-20	10-117
Chrysene	4430	3370	55	16	0-20	14-107
Dibenz(a,h)anthracene	4430	2950	61	5	0-20	10-119
Fluoranthene	4430	3890	46	24	0-20	17-110
Fluorene	4430	3130	71	10	0-20	17-115
Indeno(1,2,3-cd)pyrene	4430	2940	56	11	0-20	11-111
N-Nitroso-di-n-propylamine	4430	3090	70	3	0-20	18-103
Naphthalene	4430	2970	67	8	0-20	16-102
Pentachlorophenol	4430	ND	56		0-20	10-100
Phenanthrene	4430	3470	60	14	0-20	10-128
Phenol	4430	3020	68	6	0-20	22-97
Pyrene	4430	3740	52	22	0-20	10-123

RPD: 3 out of 20 outside limits.

Spike Recovery: 0 out of 24 outside limits.

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: 1116666MS

Date Extracted: 06/24/2014

Date Analyzed (1): 06/25/2014

Instrument: 50MSS2

Lab File ID: 062514.B\1116666M.D

Parent Sample ID: P-4 (5-7)

SDG No.: 5099627

COMPOUND	SPIKE ADDED (ug/kg)	SAMPLE CONCENTRATION (ug/kg)	MS CONCENTRATION (ug/kg)	MS %REC	QC LIMITS REC.
2,4-Dinitrotoluene	3660	ND	2640	72	15-102
2-Chlorophenol	3660	ND	2330	64	22-96
2-Methylnaphthalene	3660	ND	2320	63	14-107
4-Chloro-3-methylphenol	3660	ND	2500	68	21-105
4-Nitrophenol	3660	ND	2570	70	12-107
Acenaphthene	3660	ND	2420	66	19-110
Acenaphthylene	3660	ND	2450	67	21-106
Anthracene	3660	ND	2530	69	22-112
Benzo(a)anthracene	3660	ND	2470	68	13-116
Benzo(a)pyrene	3660	ND	2510	69	11-119
Benzo(b)fluoranthene	3660	ND	2300	63	10-126
Benzo(g,h,i)perylene	3660	ND	2430	66	10-114
Benzo(k)fluoranthene	3660	ND	2500	68	10-117
Chrysene	3660	ND	2550	70	14-107
Dibenz(a,h)anthracene	3660	ND	2510	69	10-119
Fluoranthene	3660	ND	2600	71	17-110
Fluorene	3660	ND	2540	69	17-115
Indeno(1,2,3-cd)pyrene	3660	ND	2430	66	11-111
N-Nitroso-di-n-propylamine	3660	ND	2440	67	18-103
Naphthalene	3660	ND	2260	62	16-102
Pentachlorophenol	3660	ND	2270	62	10-100
Phenanthrene	3660	ND	2480	68	10-128
Phenol	3660	ND	2390	65	22-97
Pyrene	3660	ND	2610	71	10-123

Spike Recovery: 0 out of 24 outside limits.

07/17/2014 9:25

MSSV FULL SCAN - FORM III SVOA-2
SOLID SEMI-VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Instrument (2): 50MSS2 Matrix Spike Duplicate - Sample No: 1116667MSD
 Lab File ID (2): 062514.B\1116667D.D Date Analyzed (2): 06/25/2014

COMPOUND	SPIKE ADDED (ug/kg)	MSD CONCENTRATION (ug/kg)	MSD %REC	%RPD	QC LIMITS	
					RPD	REC.
2,4-Dinitrotoluene	3630	2620	72	1	0-20	15-102
2-Chlorophenol	3630	2380	65	2	0-20	22-96
2-Methylnaphthalene	3630	2390	66	3	0-20	14-107
4-Chloro-3-methylphenol	3630	2360	65	6	0-20	21-105
4-Nitrophenol	3630	2690	74	5	0-20	12-107
Acenaphthene	3630	2400	66	1	0-20	19-110
Acenaphthylene	3630	2410	66	1	0-20	21-106
Anthracene	3630	2410	66	5	0-20	22-112
Benzo(a)anthracene	3630	2400	66	3	0-20	13-116
Benzo(a)pyrene	3630	2460	68	2	0-20	11-119
Benzo(b)fluoranthene	3630	2240	62	2	0-20	10-126
Benzo(g,h,i)perylene	3630	2330	64	4	0-20	10-114
Benzo(k)fluoranthene	3630	2480	68	1	0-20	10-117
Chrysene	3630	2490	69	2	0-20	14-107
Dibenz(a,h)anthracene	3630	2390	66	5	0-20	10-119
Fluoranthene	3630	2530	70	3	0-20	17-110
Fluorene	3630	2490	68	2	0-20	17-115
Indeno(1,2,3-cd)pyrene	3630	2360	65	3	0-20	11-111
N-Nitroso-di-n-propylamine	3630	2560	70	5	0-20	18-103
Naphthalene	3630	2350	65	4	0-20	16-102
Pentachlorophenol	3630	2340	64	3	0-20	10-100
Phenanthrene	3630	2410	66	3	0-20	10-128
Phenol	3630	2470	68	3	0-20	22-97
Pyrene	3630	2540	70	3	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-1
SOLID SEMI-VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Pace Analytical - Indiana

Matrix Spike - Sample No: 1117085MS

Date Extracted: 06/25/2014

Date Analyzed (1): 06/26/2014

Instrument: 50MSS2

Lab File ID: 062514.B\1117085M.D

Parent Sample ID: 5099682003

SDG No.: 5099627

COMPOUND	SPIKE ADDED (ug/kg)	SAMPLE CONCENTRATION (mg/kg)	MS CONCENTRATION (ug/kg)	MS %REC	QC LIMITS REC.
2,4-Dinitrotoluene	3850	ND	2430	63	15-102
2-Chlorophenol	3850	ND	2520	65	22-96
2-Methylnaphthalene	3850	0.89	3570	70	14-107
4-Chloro-3-methylphenol	3850	ND	2720	71	21-105
4-Nitrophenol	3850	ND	2750	72	12-107
Acenaphthene	3850	ND	2610	68	19-110
Acenaphthylene	3850	ND	2670	68	21-106
Anthracene	3850	ND	2700	69	22-112
Benzo(a)anthracene	3850	ND	2700	68	13-116
Benzo(a)pyrene	3850	ND	2580	65	11-119
Benzo(b)fluoranthene	3850	ND	2810	70	10-126
Benzo(g,h,i)perylene	3850	ND	2280	57	10-114
Benzo(k)fluoranthene	3850	ND	2450	61	10-117
Chrysene	3850	ND	2810	70	14-107
Dibenz(a,h)anthracene	3850	ND	2490	65	10-119
Fluoranthene	3850	ND	2860	71	17-110
Fluorene	3850	ND	2770	72	17-115
Indeno(1,2,3-cd)pyrene	3850	ND	2370	60	11-111
N-Nitroso-di-n-propylamine	3850	ND	2670	69	18-103
Naphthalene	3850	0.63	3150	65	16-102
Pentachlorophenol	3850	ND	2260	59	10-100
Phenanthrene	3850	ND	2950	68	10-128
Phenol	3850	ND	2610	68	22-97
Pyrene	3850	ND	2920	72	10-123

Spike Recovery: 0 out of 24 outside limits.

MSSV FULL SCAN - FORM III SVOA-2
SOLID SEMI-VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Instrument (2): 50MSS2 Matrix Spike Duplicate - Sample No: 1117086MSD
Lab File ID (2): 062514.B\1117086D.D Date Analyzed (2): 06/26/2014

COMPOUND	SPIKE ADDED (ug/kg)	MSD CONCENTRATION (ug/kg)	MSD %REC	%RPD	QC LIMITS	
					RPD	REC.
2,4-Dinitrotoluene	3880	2630	68	8	0-20	15-102
2-Chlorophenol	3880	2840	73	12	0-20	22-96
2-Methylnaphthalene	3880	3140	58	13	0-20	14-107
4-Chloro-3-methylphenol	3880	3090	80	13	0-20	21-105
4-Nitrophenol	3880	3140	81	13	0-20	12-107
Acenaphthene	3880	2790	72	7	0-20	19-110
Acenaphthylene	3880	2830	72	6	0-20	21-106
Anthracene	3880	2980	75	10	0-20	22-112
Benzo(a)anthracene	3880	2760	69	2	0-20	13-116
Benzo(a)pyrene	3880	2760	69	7	0-20	11-119
Benzo(b)fluoranthene	3880	2530	62	11	0-20	10-126
Benzo(g,h,i)perylene	3880	2480	62	9	0-20	10-114
Benzo(k)fluoranthene	3880	2910	72	17	0-20	10-117
Chrysene	3880	2890	71	3	0-20	14-107
Dibenz(a,h)anthracene	3880	2720	70	9	0-20	10-119
Fluoranthene	3880	3010	74	5	0-20	17-110
Fluorene	3880	3000	77	8	0-20	17-115
Indeno(1,2,3-cd)pyrene	3880	2540	64	7	0-20	11-111
N-Nitroso-di-n-propylamine	3880	2960	76	10	0-20	18-103
Naphthalene	3880	2940	59	7	0-20	16-102
Pentachlorophenol	3880	2480	64	9	0-20	10-100
Phenanthrene	3880	3020	69	2	0-20	10-128
Phenol	3880	2950	76	12	0-20	22-97
Pyrene	3880	3030	74	4	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.

1115928BLANK

Lab Name: Pace Analytical - Indiana SDG No.: 5099627 Contract: Sibley - Accucast
 Instrument ID: 50MSS2 Matrix: Solid Lab Sample ID: 1115928
 Lab File ID: 062314.B\1115928B.D Date Analyzed: 06/23/2014 Time: 16:46

SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	ANALYZED
1115929LCS	1115929	062314.B\1115929L.D	06/23/2014 17:09
P-8 (6-8)	5099627001	062314.B\5099627001.D	06/23/2014 22:32
TMW-7 (8-10)	5099627002	062314.B\5099627002.D	06/23/2014 22:55
P-8 (16-18)	5099627003	062314.B\5099627003.D	06/23/2014 23:18
P-4 (16-18)	5099627004	062314.B\5099627004.D	06/23/2014 23:41
TMW-9 (3-5)	5099627005	062314.B\5099627005.D	06/24/2014 00:04
TMW-3 (15-16)	5099627006	062314.B\5099627006.D	06/24/2014 00:27
TMW-9 (16-18)	5099627007	062314.B\5099627007.D	06/24/2014 00:50
P-7 (13-15)	5099627008	062314.B\5099627008.D	06/24/2014 01:13
P-3 (16-18)	5099627009	062314.B\5099627009.D	06/24/2014 01:36

MSSV FULL SCAN - FORM IV SVOA-1
SEMI-VOLATILE METHOD BLANK SUMMARY

SAMPLE NO.

1116664BLANK

Lab Name: Pace Analytical - Indiana SDG No.: 5099627 Contract: Sibley - Accucast
Instrument ID: 50MSS2 Matrix: Solid Lab Sample ID: 1116664
Lab File ID: 062514.B\1116664B.D Date Analyzed: 06/25/2014 Time: 12:34

SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	ANALYZED
1116665LCS	1116665	062514.B\1116665L.D	06/25/2014 12:57
TMW-7 (14-16)	5099627010	062514.B\5099627010.D	06/25/2014 13:42
P-4 (5-7)	5099627011	062514.B\5099627011.D	06/25/2014 14:04
1116666MS	1116666	062514.B\1116666M.D	06/25/2014 14:27
1116667MSD	1116667	062514.B\1116667D.D	06/25/2014 14:49
P-7 (5-7)	5099627012	062514.B\5099627012.D	06/25/2014 15:12

MSSV FULL SCAN - FORM IV SVOA-1
SEMI-VOLATILE METHOD BLANK SUMMARY

SAMPLE NO.

1117083BLANK

Lab Name: Pace Analytical - Indiana SDG No.: 5099627 Contract: Sibley - Accucast

Instrument ID: 50MSS2 Matrix: Solid Lab Sample ID: 1117083

Lab File ID: 062514.B\1117083B.D Date Analyzed: 06/26/2014 Time: 01:00

SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	ANALYZED
1117084LCS	1117084	062514.B\1117084L.D	06/26/2014 01:22
TMW-3 (8-9)	5099627014	062514.B\5099627014.D	06/26/2014 01:45
P-9 (2-4)	5099627015	062514.B\5099627015.D	06/26/2014 02:07
P-3 (8-10)	5099627016	062514.B\5099627016.D	06/26/2014 02:30
P-9 (13-15)	5099627017	062514.B\5099627017.D	06/26/2014 02:53
Surf-Dupe	5099627018	062514.B\5099627018.D	06/26/2014 03:15

MSSV Full Scan - FORM V SVOA-1
SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET
PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Pace Analytical - Indiana SDG No.: 5099627 Contract: Sibley - Accucast
 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
6849052CAL2	6849052CAL2	060914CAL.B\5PPM.D	06/09/2014	13:19
6849059CAL3	6849059CAL3	060914CAL.B\10PPM.D	06/09/2014	13:41
6849007CAL4	6849007CAL4	060914CAL.B\20PPM.D	06/09/2014	14:04
6849014CAL5	6849014CAL5	060914CAL.B\50PPM.D	06/09/2014	14:26
6849027CAL6	6849027CAL6	060914CAL.B\100PPM.D	06/09/2014	14:49
6849009CAL7	6849009CAL7	060914CAL.B\150PPM.D	06/09/2014	15:11
6849065CAL8	6849065CAL8	060914CAL.B\175PPM.D	06/09/2014	15:34
6849023CAL9	6849023CAL9	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.: 5099627 Contract: Sibley - Accucast
 Lab File ID: 062314.B\DFTPP-A.D DFTPP Injection Date: 06/23/2014
 Instrument ID: 50MSS2 DFTPP Injection Time: 16:01

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.00 - 60.00% of mass 198	31.48
68	Less than 2.00% of mass 69	0.49 (1.40) ¹
69	Mass 69 relative abundance	34.75
70	Less than 2.00% of mass 69	0.00 (0.00) ¹
127	40.00 - 60.00% of mass 198	50.07
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	7.06
275	10.00 - 30.00% of mass 198	25.82
365	Greater than 1.00% of mass 198	3.12
441	Present, but less than mass 443	15.37
442	Greater than 40.00% of mass 198	102.66
443	17.00 - 23.00% of mass 442	20.67 (20.13) ²

1 - Value is % mass 69

2 - Value is % mass 442

SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
6889661CCV	6889661CCV	062314.B\100PPM-A.D	06/23/2014	16:23
1115928BLANK	1115928BLANK	062314.B\1115928B.D	06/23/2014	16:46
1115929LCS	1115929LCS	062314.B\1115929L.D	06/23/2014	17:09
P-8 (6-8)	5099627001	062314.B\5099627001.D	06/23/2014	22:32
TMW-7 (8-10)	5099627002	062314.B\5099627002.D	06/23/2014	22:55
P-8 (16-18)	5099627003	062314.B\5099627003.D	06/23/2014	23:18
P-4 (16-18)	5099627004	062314.B\5099627004.D	06/23/2014	23:41
TMW-9 (3-5)	5099627005	062314.B\5099627005.D	06/24/2014	00:04
TMW-3 (15-16)	5099627006	062314.B\5099627006.D	06/24/2014	00:27
TMW-9 (16-18)	5099627007	062314.B\5099627007.D	06/24/2014	00:50
P-7 (13-15)	5099627008	062314.B\5099627008.D	06/24/2014	01:13
P-3 (16-18)	5099627009	062314.B\5099627009.D	06/24/2014	01:36

MSSV Full Scan - FORM V SVOA-1
SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET
PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Pace Analytical - Indiana SDG No.: 5099627 Contract: Sibley - Accucast
 Lab File ID: 062514.B\DFTPP-A.D DFTPP Injection Date: 06/25/2014
 Instrument ID: 50MSS2 DFTPP Injection Time: 11:49

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.00 - 60.00% of mass 198	35.16
68	Less than 2.00% of mass 69	0.59 (1.56) ¹
69	Mass 69 relative abundance	37.65
70	Less than 2.00% of mass 69	0.00 (0.00) ¹
127	40.00 - 60.00% of mass 198	52.18
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	7.01
275	10.00 - 30.00% of mass 198	26.43
365	Greater than 1.00% of mass 198	3.22
441	Present, but less than mass 443	14.03
442	Greater than 40.00% of mass 198	92.87
443	17.00 - 23.00% of mass 442	18.95 (20.41) ²

1 - Value is % mass 69

2 - Value is % mass 442

SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
6900377CCV	6900377CCV	062514.B\100PPM-A.D	06/25/2014	12:11
1116664BLANK	1116664BLANK	062514.B\1116664B.D	06/25/2014	12:34
1116665LCS	1116665LCS	062514.B\1116665L.D	06/25/2014	12:57
TMW-7 (14-16)	5099627010	062514.B\5099627010.D	06/25/2014	13:42
P-4 (5-7)	5099627011	062514.B\5099627011.D	06/25/2014	14:04
1116666MS	1116666MS	062514.B\1116666M.D	06/25/2014	14:27
1116667MSD	1116667MSD	062514.B\1116667D.D	06/25/2014	14:49
P-7 (5-7)	5099627012	062514.B\5099627012.D	06/25/2014	15:12

MSSV Full Scan - FORM V SVOA-1
SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET
PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Pace Analytical - Indiana SDG No.: 5099627 Contract: Sibley - Accucast
 Lab File ID: 062514.B\DFTPP-B.D DFTPP Injection Date: 06/25/2014
 Instrument ID: 50MSS2 DFTPP Injection Time: 23:52

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.00 - 60.00% of mass 198	34.59
68	Less than 2.00% of mass 69	0.72 (1.90) ¹
69	Mass 69 relative abundance	37.91
70	Less than 2.00% of mass 69	0.00 (0.00) ¹
127	40.00 - 60.00% of mass 198	52.18
197	Less than 1.00% of mass 198	0.63
198	Base Peak, 100.00% relative abundance	100.00
199	5.00 - 9.00% of mass 198	6.95
275	10.00 - 30.00% of mass 198	23.74
365	Greater than 1.00% of mass 198	2.84
441	Present, but less than mass 443	12.67
442	Greater than 40.00% of mass 198	80.76
443	17.00 - 23.00% of mass 442	16.97 (21.01) ²

1 - Value is % mass 69

2 - Value is % mass 442

SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
6900375CCV	6900375CCV	062514.B\100PPM-B.D	06/26/2014	00:15
1117083BLANK	1117083BLANK	062514.B\1117083B.D	06/26/2014	01:00
1117084LCS	1117084LCS	062514.B\1117084L.D	06/26/2014	01:22
TMW-3 (8-9)	5099627014	062514.B\5099627014.D	06/26/2014	01:45
P-9 (2-4)	5099627015	062514.B\5099627015.D	06/26/2014	02:07
P-3 (8-10)	5099627016	062514.B\5099627016.D	06/26/2014	02:30
P-9 (13-15)	5099627017	062514.B\5099627017.D	06/26/2014	02:53
Surf-Dupe	5099627018	062514.B\5099627018.D	06/26/2014	03:15

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.: 5099627
 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.: 5099627
 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.

07/18/2014 11:26

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.: 5099627
 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.: 5099627
 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.: 5099627
 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.: 5099627
 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 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.: 5099627

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.

07/18/2014 11:26

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.: 5099627

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.

07/18/2014 11:26

MSSV FULL SCAN - FORM VII SVOA-1
MSSV FULL SCAN CONTINUING CALIBRATION DATA

SAMPLE NO.

6978161CCV

Lab Name: Pace Analytical - Indiana

Calibration Date: 06/23/2014 Time: 16:23

Instrument ID: 50MSS2 GC Column: Col 1

Init. Calib. Date(s): 06/09/2014 06/09/2014

Lab File ID: 062314.B\100PPM-A.D

Init. Calib. Time(s): 13:19 15:56

SDG No.: 5099627

COMPOUND	CURVE	RRF or Amount	RRF or Amount	MIN RRF	%D	MAX %D
Acenaphthene	Averaged	1.18706	1.21929	0.0000	2.7157	20.0000
Acenaphthylene	Averaged	1.90894	1.97974	0.0000	3.7091	20.0000
Anthracene	Averaged	1.07960	1.09698	0.0000	1.6097	20.0000
Benzo(a)anthracene	Averaged	1.02246	1.06352	0.0000	4.0155	20.0000
Benzo(a)pyrene	Averaged	1.09488	1.15006	0.0000	5.0400	20.0000
Benzo(b)fluoranthene	Averaged	1.21014	1.15876	0.0000	-4.2461	20.0000
Benzo(g,h,i)perylene	Averaged	1.20302	1.27373	0.0000	5.8775	20.0000
Benzo(k)fluoranthene	Averaged	1.26066	1.39218	0.0000	10.4327	20.0000
Benzyl alcohol	Averaged	0.81510	0.84838	0.0000	4.0840	20.0000
4-Bromophenylphenyl ether	Averaged	0.23599	0.24223	0.0000	2.6469	20.0000
Butylbenzylphthalate	Averaged	0.42261	0.44395	0.0000	5.0481	20.0000
4-Chloro-3-methylphenol	Averaged	0.27851	0.28243	0.0000	1.4053	20.0000
4-Chloroaniline	Averaged	0.40392	0.42544	0.0000	5.3269	20.0000
bis(2-Chloroethoxy)methane	Averaged	0.36029	0.36680	0.0000	1.8065	20.0000
bis(2-Chloroethyl) ether	Averaged	1.09595	1.12098	0.0000	2.2843	20.0000
bis(2chloro1methylethyl) ether	Averaged	1.36711	1.35769	0.0000	-0.6889	20.0000
2-Chloronaphthalene	Averaged	1.11301	1.14779	0.0000	3.1247	20.0000
2-Chlorophenol	Averaged	1.34959	1.40463	0.0000	4.0784	20.0000
4-Chlorophenylphenyl ether	Averaged	0.65659	0.67060	0.0000	2.1340	20.0000
Chrysene	Averaged	0.96072	0.99618	0.0000	3.6909	20.0000
Dibenz(a,h)anthracene	Averaged	1.14732	1.22700	0.0000	6.9448	20.0000
Dibenzofuran	Averaged	1.67276	1.71531	0.0000	2.5435	20.0000
3,3'-Dichlorobenzidine	Averaged	0.34320	0.35705	0.0000	4.0346	20.0000
2,4-Dichlorophenol	Averaged	0.30204	0.31350	0.0000	3.7941	20.0000
Diethylphthalate	Averaged	1.26424	1.29046	0.0000	2.0743	20.0000
2,4-Dimethylphenol	Averaged	0.29438	0.30508	0.0000	3.6336	20.0000
Dimethylphthalate	Averaged	1.29687	1.33580	0.0000	3.0013	20.0000
Di-n-butylphthalate	Averaged	1.14426	1.18722	0.0000	3.7535	20.0000
4,6-Dinitro-2-methylphenol	Linear	100	101.8387	0.0000	1.8388	20.0000
2,4-Dinitrophenol	Linear	100	94.42702	0.0500	-5.5730	20.0000
2,4-Dinitrotoluene	Averaged	0.38879	0.42105	0.0000	8.2973	20.0000
2,6-Dinitrotoluene	Averaged	0.28075	0.30107	0.0000	7.2381	20.0000
Di-n-octylphthalate	Averaged	1.11442	1.17928	0.0000	5.8197	20.0000
bis(2-Ethylhexyl)phthalate	Averaged	0.61140	0.63521	0.0000	3.8932	20.0000
Fluoranthene	Averaged	1.22202	1.27402	0.0000	4.2551	20.0000
Fluorene	Averaged	1.33229	1.36076	0.0000	2.1373	20.0000

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

07/18/2014 11:26

MSSV FULL SCAN - FORM VII SVOA-2
MSSV FULL SCAN CONTINUING CALIBRATION DATA

SAMPLE NO.

6978161CCV

Lab Name: Pace Analytical - Indiana

Calibration Date: 06/23/2014 Time: 16:23

Instrument ID: 50MSS2 GC Column: Col 1

Init. Calib. Date(s): 06/09/2014 06/09/2014

Lab File ID: 062314.B\100PPM-A.D

Init. Calib. Time(s): 13:19 15:56

SDG No.: 5099627

COMPOUND	CURVE	RRF or Amount	RRF or Amount	MIN RRF	%D	MAX %D
Hexachloro-1,3-butadiene	Averaged	0.20092	0.20885	0.0000	3.9471	20.0000
Hexachlorobenzene	Averaged	0.28193	0.28617	0.0000	1.5072	20.0000
Hexachlorocyclopentadiene	Linear	100	86.03690	0.0500	-13.9631	20.0000
Hexachloroethane	Averaged	0.53606	0.55514	0.0000	3.5606	20.0000
Indeno(1,2,3-cd)pyrene	Averaged	1.42776	1.51422	0.0000	6.0556	20.0000
Isophorone	Averaged	0.58332	0.58274	0.0000	-0.0998	20.0000
2-Methylnaphthalene	Averaged	0.70853	0.72346	0.0000	2.1065	20.0000
2-Methylphenol(o-Cresol)	Averaged	1.12289	1.12939	0.0000	0.5789	20.0000
3&4-Methylphenol(m&p Cresol)	Averaged	1.21100	1.25514	0.0000	3.6447	20.0000
Naphthalene	Averaged	1.03129	1.05430	0.0000	2.2318	20.0000
2-Nitroaniline	Averaged	0.27170	0.28517	0.0000	4.9561	20.0000
3-Nitroaniline	Averaged	0.30628	0.33901	0.0000	10.6860	20.0000
4-Nitroaniline	Averaged	0.32069	0.35473	0.0000	10.6119	20.0000
Nitrobenzene	Averaged	0.30659	0.30696	0.0000	0.1209	20.0000
2-Nitrophenol	Averaged	0.18582	0.19753	0.0000	6.3028	20.0000
4-Nitrophenol	Averaged	0.15191	0.15870	0.0500	4.4700	20.0000
N-Nitroso-di-n-propylamine	Averaged	0.80021	0.80609	0.0000	0.7354	20.0000
N-Nitrosodiphenylamine	Averaged	0.51056	0.51901	0.0000	1.6544	20.0000
Pentachlorophenol	Linear	100	91.69138	0.0000	-8.3086	20.0000
Phenanthrene	Averaged	1.07321	1.08690	0.0000	1.2748	20.0000
Phenol	Averaged	1.51336	1.54660	0.0000	2.1961	20.0000
Pyrene	Averaged	1.27976	1.31783	0.0000	2.9750	20.0000
2,4,5-Trichlorophenol	Averaged	0.42105	0.43802	0.0000	4.0308	20.0000
2,4,6-Trichlorophenol	Averaged	0.39633	0.41943	0.0000	5.8294	20.0000
2-Fluorobiphenyl (S)	Averaged	1.34913	1.39665	0.0000	3.5221	20.0000
2-Fluorophenol (S)	Averaged	1.13786	1.17175	0.0000	2.9789	20.0000
Nitrobenzene-d5 (S)	Averaged	0.30621	0.31179	0.0000	1.8213	20.0000
Phenol-d5 (S)	Averaged	1.43659	1.47675	0.0000	2.7958	20.0000
p-Terphenyl-d14 (S)	Averaged	0.82137	0.84413	0.0000	2.7712	20.0000
2,4,6-Tribromophenol (S)	Averaged	0.14828	0.15843	0.0000	6.8500	20.0000

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

07/18/2014 11:26

MSSV FULL SCAN - FORM VII SVOA-1
MSSV FULL SCAN CONTINUING CALIBRATION DATA

SAMPLE NO.

6978158CCV

Lab Name: Pace Analytical - Indiana

Calibration Date: 06/25/2014 Time: 12:11

Instrument ID: 50MSS2 GC Column: Col 1

Init. Calib. Date(s): 06/09/2014 06/09/2014

Lab File ID: 062514.B\100PPM-A.D

Init. Calib. Time(s): 13:19 15:56

SDG No.: 5099627

COMPOUND	CURVE	RRF or Amount	RRF or Amount	MIN RRF	%D	MAX %D
Acenaphthene	Averaged	1.18706	1.22034	0.0000	2.8035	20.0000
Acenaphthylene	Averaged	1.90894	2.00170	0.0000	4.8594	20.0000
Anthracene	Averaged	1.07960	1.11100	0.0000	2.9091	20.0000
Benzo(a)anthracene	Averaged	1.02246	1.07885	0.0000	5.5153	20.0000
Benzo(a)pyrene	Averaged	1.09488	1.13965	0.0000	4.0889	20.0000
Benzo(b)fluoranthene	Averaged	1.21014	1.21175	0.0000	0.1323	20.0000
Benzo(g,h,i)perylene	Averaged	1.20302	1.28313	0.0000	6.6586	20.0000
Benzo(k)fluoranthene	Averaged	1.26066	1.32430	0.0000	5.0479	20.0000
Benzyl alcohol	Averaged	0.81510	0.92347	0.0000	13.2956	20.0000
4-Bromophenylphenyl ether	Averaged	0.23599	0.23855	0.0000	1.0847	20.0000
Butylbenzylphthalate	Averaged	0.42261	0.43032	0.0000	1.8242	20.0000
4-Chloro-3-methylphenol	Averaged	0.27851	0.30352	0.0000	8.9785	20.0000
4-Chloroaniline	Averaged	0.40392	0.44130	0.0000	9.2522	20.0000
bis(2-Chloroethoxy)methane	Averaged	0.36029	0.37105	0.0000	2.9876	20.0000
bis(2-Chloroethyl) ether	Averaged	1.09595	1.13742	0.0000	3.7843	20.0000
bis(2chloro1methylethyl) ether	Averaged	1.36711	1.37973	0.0000	0.9233	20.0000
2-Chloronaphthalene	Averaged	1.11301	1.12061	0.0000	0.6830	20.0000
2-Chlorophenol	Averaged	1.34959	1.42782	0.0000	5.7966	20.0000
4-Chlorophenylphenyl ether	Averaged	0.65659	0.66734	0.0000	1.6381	20.0000
Chrysene	Averaged	0.96072	0.99180	0.0000	3.2346	20.0000
Dibenz(a,h)anthracene	Averaged	1.14732	1.22893	0.0000	7.1124	20.0000
Dibenzofuran	Averaged	1.67276	1.73387	0.0000	3.6531	20.0000
3,3'-Dichlorobenzidine	Averaged	0.34320	0.37948	0.0000	10.5715	20.0000
2,4-Dichlorophenol	Averaged	0.30204	0.32117	0.0000	6.3331	20.0000
Diethylphthalate	Averaged	1.26424	1.31268	0.0000	3.8318	20.0000
2,4-Dimethylphenol	Averaged	0.29438	0.29780	0.0000	1.1601	20.0000
Dimethylphthalate	Averaged	1.29687	1.34901	0.0000	4.0201	20.0000
Di-n-butylphthalate	Averaged	1.14426	1.16937	0.0000	2.1940	20.0000
4,6-Dinitro-2-methylphenol	Linear	100	104.2875	0.0000	4.2875	20.0000
2,4-Dinitrophenol	Linear	100	102.0904	0.0500	2.0905	20.0000
2,4-Dinitrotoluene	Averaged	0.38879	0.43942	0.0000	13.0228	20.0000
2,6-Dinitrotoluene	Averaged	0.28075	0.30905	0.0000	10.0804	20.0000
Di-n-octylphthalate	Averaged	1.11442	1.09750	0.0000	-1.5187	20.0000
bis(2-Ethylhexyl)phthalate	Averaged	0.61140	0.60731	0.0000	-0.6702	20.0000
Fluoranthene	Averaged	1.22202	1.29542	0.0000	6.0065	20.0000
Fluorene	Averaged	1.33229	1.39355	0.0000	4.5982	20.0000

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

07/18/2014 11:26

MSSV FULL SCAN - FORM VII SVOA-2
MSSV FULL SCAN CONTINUING CALIBRATION DATA

SAMPLE NO.

6978158CCV

Lab Name: Pace Analytical - Indiana

Calibration Date: 06/25/2014 Time: 12:11

Instrument ID: 50MSS2 GC Column: Col 1

Init. Calib. Date(s): 06/09/2014 06/09/2014

Lab File ID: 062514.B\100PPM-A.D

Init. Calib. Time(s): 13:19 15:56

SDG No.: 5099627

COMPOUND	CURVE	RRF or Amount	RRF or Amount	MIN RRF	%D	MAX %D
Hexachloro-1,3-butadiene	Averaged	0.20092	0.20202	0.0000	0.5500	20.0000
Hexachlorobenzene	Averaged	0.28193	0.28624	0.0000	1.5315	20.0000
Hexachlorocyclopentadiene	Linear	100	79.16612	0.0500	-20.8339	20.0000
Hexachloroethane	Averaged	0.53606	0.54703	0.0000	2.0465	20.0000
Indeno(1,2,3-cd)pyrene	Averaged	1.42776	1.52652	0.0000	6.9172	20.0000
Isophorone	Averaged	0.58332	0.60661	0.0000	3.9924	20.0000
2-Methylnaphthalene	Averaged	0.70853	0.73012	0.0000	3.0468	20.0000
2-Methylphenol(o-Cresol)	Averaged	1.12289	1.16494	0.0000	3.7454	20.0000
3&4-Methylphenol(m&p Cresol)	Averaged	1.21100	1.29516	0.0000	6.9492	20.0000
Naphthalene	Averaged	1.03129	1.05359	0.0000	2.1626	20.0000
2-Nitroaniline	Averaged	0.27170	0.29624	0.0000	9.0307	20.0000
3-Nitroaniline	Averaged	0.30628	0.35600	0.0000	16.2333	20.0000
4-Nitroaniline	Averaged	0.32069	0.38103	0.0000	18.8148	20.0000
Nitrobenzene	Averaged	0.30659	0.31242	0.0000	1.9024	20.0000
2-Nitrophenol	Averaged	0.18582	0.20132	0.0000	8.3428	20.0000
4-Nitrophenol	Averaged	0.15191	0.17444	0.0500	14.8283	20.0000
N-Nitroso-di-n-propylamine	Averaged	0.80021	0.84843	0.0000	6.0257	20.0000
N-Nitrosodiphenylamine	Averaged	0.51056	0.51636	0.0000	1.1359	20.0000
Pentachlorophenol	Linear	100	92.40026	0.0000	-7.5997	20.0000
Phenanthrene	Averaged	1.07321	1.09584	0.0000	2.1085	20.0000
Phenol	Averaged	1.51336	1.60231	0.0000	5.8776	20.0000
Pyrene	Averaged	1.27976	1.37017	0.0000	7.0646	20.0000
2,4,5-Trichlorophenol	Averaged	0.42105	0.44435	0.0000	5.5349	20.0000
2,4,6-Trichlorophenol	Averaged	0.39633	0.42408	0.0000	7.0024	20.0000
2-Fluorobiphenyl (S)	Averaged	1.34913	1.36172	0.0000	0.9334	20.0000
2-Fluorophenol (S)	Averaged	1.13786	1.19375	0.0000	4.9126	20.0000
Nitrobenzene-d5 (S)	Averaged	0.30621	0.31790	0.0000	3.8181	20.0000
Phenol-d5 (S)	Averaged	1.43659	1.53636	0.0000	6.9450	20.0000
p-Terphenyl-d14 (S)	Averaged	0.82137	0.86784	0.0000	5.6571	20.0000
2,4,6-Tribromophenol (S)	Averaged	0.14828	0.15520	0.0000	4.6718	20.0000

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

07/18/2014 11:26

MSSV FULL SCAN - FORM VII SVOA-1
MSSV FULL SCAN CONTINUING CALIBRATION DATA

SAMPLE NO.

6978162CCV

Lab Name: Pace Analytical - Indiana

Calibration Date: 06/26/2014 Time: 00:15

Instrument ID: 50MSS2 GC Column: Col 1

Init. Calib. Date(s): 06/09/2014 06/09/2014

Lab File ID: 062514.B\100PPM-B.D

Init. Calib. Time(s): 13:19 15:56

SDG No.: 5099627

COMPOUND	CURVE	RRF or Amount	RRF or Amount	MIN RRF	%D	MAX %D
Acenaphthene	Averaged	1.18706	1.20493	0.0000	1.5058	20.0000
Acenaphthylene	Averaged	1.90894	1.98996	0.0000	4.2445	20.0000
Anthracene	Averaged	1.07960	1.11053	0.0000	2.8647	20.0000
Benzo(a)anthracene	Averaged	1.02246	1.05133	0.0000	2.8234	20.0000
Benzo(a)pyrene	Averaged	1.09488	1.14167	0.0000	4.2733	20.0000
Benzo(b)fluoranthene	Averaged	1.21014	1.17801	0.0000	-2.6556	20.0000
Benzo(g,h,i)perylene	Averaged	1.20302	1.27640	0.0000	6.0998	20.0000
Benzo(k)fluoranthene	Averaged	1.26066	1.38266	0.0000	9.6772	20.0000
Benzyl alcohol	Averaged	0.81510	0.91399	0.0000	12.1330	20.0000
4-Bromophenylphenyl ether	Averaged	0.23599	0.23963	0.0000	1.5445	20.0000
Butylbenzylphthalate	Averaged	0.42261	0.42204	0.0000	-0.1345	20.0000
4-Chloro-3-methylphenol	Averaged	0.27851	0.30375	0.0000	9.0622	20.0000
4-Chloroaniline	Averaged	0.40392	0.42445	0.0000	5.0822	20.0000
bis(2-Chloroethoxy)methane	Averaged	0.36029	0.36307	0.0000	0.7728	20.0000
bis(2-Chloroethyl) ether	Averaged	1.09595	1.10832	0.0000	1.1293	20.0000
bis(2chloro1methylethyl) ether	Averaged	1.36711	1.31105	0.0000	-4.1005	20.0000
2-Chloronaphthalene	Averaged	1.11301	1.13186	0.0000	1.6939	20.0000
2-Chlorophenol	Averaged	1.34959	1.42440	0.0000	5.5434	20.0000
4-Chlorophenylphenyl ether	Averaged	0.65659	0.67611	0.0000	2.9735	20.0000
Chrysene	Averaged	0.96072	0.98361	0.0000	2.3821	20.0000
Dibenz(a,h)anthracene	Averaged	1.14732	1.22334	0.0000	6.6258	20.0000
Dibenzofuran	Averaged	1.67276	1.73649	0.0000	3.8095	20.0000
3,3'-Dichlorobenzidine	Averaged	0.34320	0.34584	0.0000	0.7700	20.0000
2,4-Dichlorophenol	Averaged	0.30204	0.32222	0.0000	6.6790	20.0000
Diethylphthalate	Averaged	1.26424	1.28785	0.0000	1.8673	20.0000
2,4-Dimethylphenol	Averaged	0.29438	0.28716	0.0000	-2.4529	20.0000
Dimethylphthalate	Averaged	1.29687	1.32038	0.0000	1.8126	20.0000
Di-n-butylphthalate	Averaged	1.14426	1.13476	0.0000	-0.8305	20.0000
4,6-Dinitro-2-methylphenol	Linear	100	47.87619	0.0000	-52.1238	20.0000
2,4-Dinitrophenol	Linear	100	42.61764	0.0500	-57.3824	20.0000
2,4-Dinitrotoluene	Averaged	0.38879	0.43119	0.0000	10.9057	20.0000
2,6-Dinitrotoluene	Averaged	0.28075	0.30457	0.0000	8.4843	20.0000
Di-n-octylphthalate	Averaged	1.11442	1.09045	0.0000	-2.1510	20.0000
bis(2-Ethylhexyl)phthalate	Averaged	0.61140	0.58474	0.0000	-4.3611	20.0000
Fluoranthene	Averaged	1.22202	1.31700	0.0000	7.7727	20.0000
Fluorene	Averaged	1.33229	1.38522	0.0000	3.9729	20.0000

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

07/18/2014 11:26

MSSV FULL SCAN - FORM VII SVOA-2
MSSV FULL SCAN CONTINUING CALIBRATION DATA

SAMPLE NO.

6978162CCV

Lab Name: Pace Analytical - Indiana

Calibration Date: 06/26/2014 Time: 00:15

Instrument ID: 50MSS2 GC Column: Col 1

Init. Calib. Date(s): 06/09/2014 06/09/2014

Lab File ID: 062514.B\100PPM-B.D

Init. Calib. Time(s): 13:19 15:56

SDG No.: 5099627

COMPOUND	CURVE	RRF or Amount	RRF or Amount	MIN RRF	%D	MAX %D
Hexachloro-1,3-butadiene	Averaged	0.20092	0.20007	0.0000	-0.4250	20.0000
Hexachlorobenzene	Averaged	0.28193	0.28688	0.0000	1.7576	20.0000
Hexachlorocyclopentadiene	Linear	100	61.71875	0.0500	-38.2812	20.0000
Hexachloroethane	Averaged	0.53606	0.53692	0.0000	0.1614	20.0000
Indeno(1,2,3-cd)pyrene	Averaged	1.42776	1.52082	0.0000	6.5178	20.0000
Isophorone	Averaged	0.58332	0.58156	0.0000	-0.3018	20.0000
2-Methylnaphthalene	Averaged	0.70853	0.72186	0.0000	1.8807	20.0000
2-Methylphenol(o-Cresol)	Averaged	1.12289	1.16266	0.0000	3.5418	20.0000
3&4-Methylphenol(m&p Cresol)	Averaged	1.21100	1.28721	0.0000	6.2927	20.0000
Naphthalene	Averaged	1.03129	1.04607	0.0000	1.4338	20.0000
2-Nitroaniline	Averaged	0.27170	0.29020	0.0000	6.8101	20.0000
3-Nitroaniline	Averaged	0.30628	0.34450	0.0000	12.4797	20.0000
4-Nitroaniline	Averaged	0.32069	0.37684	0.0000	17.5078	20.0000
Nitrobenzene	Averaged	0.30659	0.31241	0.0000	1.8992	20.0000
2-Nitrophenol	Averaged	0.18582	0.19422	0.0000	4.5180	20.0000
4-Nitrophenol	Averaged	0.15191	0.17817	0.0500	17.2848	20.0000
N-Nitroso-di-n-propylamine	Averaged	0.80021	0.81799	0.0000	2.2227	20.0000
N-Nitrosodiphenylamine	Averaged	0.51056	0.51405	0.0000	0.6837	20.0000
Pentachlorophenol	Linear	100	99.69450	0.0000	-0.3055	20.0000
Phenanthrene	Averaged	1.07321	1.09657	0.0000	2.1759	20.0000
Phenol	Averaged	1.51336	1.61170	0.0000	6.4979	20.0000
Pyrene	Averaged	1.27976	1.35226	0.0000	5.6647	20.0000
2,4,5-Trichlorophenol	Averaged	0.42105	0.45225	0.0000	7.4109	20.0000
2,4,6-Trichlorophenol	Averaged	0.39633	0.42305	0.0000	6.7420	20.0000
2-Fluorobiphenyl (S)	Averaged	1.34913	1.35050	0.0000	0.1011	20.0000
2-Fluorophenol (S)	Averaged	1.13786	1.17896	0.0000	3.6128	20.0000
Nitrobenzene-d5 (S)	Averaged	0.30621	0.31025	0.0000	1.3194	20.0000
Phenol-d5 (S)	Averaged	1.43659	1.53542	0.0000	6.8793	20.0000
p-Terphenyl-d14 (S)	Averaged	0.82137	0.88424	0.0000	7.6541	20.0000
2,4,6-Tribromophenol (S)	Averaged	0.14828	0.16110	0.0000	8.6475	20.0000

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

07/18/2014 11:26

MSSV FULL SCAN - FORM VIII SVOA-1
MSSV FULL SCAN INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Pace Analytical - Indiana SDG No.: 5099627 Contract: Sibley - Accucast
 Sample ID : 6978161CCV Init. Calib. Date: 06/06/2014 Time: 06/09/2014
 Instrument ID: 50MSS2 GC Column: Col 1 Date Analyzed: 06/23/2014
 Lab File ID: 062314.B\100PPM-A.D Time Analyzed: 16:23

		AREA ANT	RT	AREA CRY	RT	AREA DCB	RT	AREA NPT	RT
12 HOUR STD		319796	9.966	775436	14.501	144320	4.695	564772	6.619
UPPER LIMIT		639592	10.466	1550872	15.001	288640	5.195	1129544	7.119
LOWER LIMIT		159898	9.466	387718	14.001	72160	4.195	282386	6.119
LAB SAMPLE ID	SAMPLE NO.								
1115928	1115928BLANK	275453	9.966	687311	14.495	124548	4.695	480724	6.619
1115929	1115929LCS	280262	9.966	684696	14.495	121115	4.695	475783	6.619
5099627001	P-8 (6-8)	295954	9.966	723621	14.495	129381	4.701	503069	6.619
5099627002	TMW-7 (8-10)	295709	9.966	729865	14.495	127790	4.701	499528	6.619
5099627003	P-8 (16-18)	285002	9.966	691042	14.495	121854	4.701	476889	6.619
5099627004	P-4 (16-18)	278180	9.966	690656	14.495	126173	4.701	486401	6.619
5099627005	TMW-9 (3-5)	291595	9.966	718160	14.495	126438	4.701	493766	6.619
5099627006	TMW-3 (15-16)	293258	9.966	712251	14.495	125147	4.701	491425	6.619
5099627007	TMW-9 (16-18)	291641	9.966	720606	14.495	127106	4.701	492324	6.619
5099627008	P-7 (13-15)	288986	9.966	702666	14.495	127948	4.701	487779	6.619
5099627009	P-3 (16-18)	305033	9.966	747432	14.495	130962	4.701	512696	6.619

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.: 5099627 Contract: Sibley - Accucast
 Sample ID : 6978161CCV Init. Calib. Date: 06/06/2014 Time: 06/09/2014
 Instrument ID: 50MSS2 GC Column: Col 1 Date Analyzed: 06/23/2014
 Lab File ID: 062314.B\100PPM-A.D Time Analyzed: 16:23

		AREA PHN	RT	AREA PYL	RT
12 HOUR STD		612485	11.683	727217	16.112
UPPER LIMIT		1224970	12.183	1454434	16.612
LOWER LIMIT		306242.5	11.183	363608.5	15.612
LAB SAMPLE ID	SAMPLE NO.				
1115928	1115928BLANK	535942	11.683	653453	16.112
1115929	1115929LCS	529753	11.683	661045	16.112
5099627001	P-8 (6-8)	560838	11.683	706896	16.112
5099627002	TMW-7 (8-10)	563080	11.683	693897	16.112
5099627003	P-8 (16-18)	539888	11.683	664319	16.112
5099627004	P-4 (16-18)	529685	11.683	669980	16.107
5099627005	TMW-9 (3-5)	556981	11.683	681617	16.112
5099627006	TMW-3 (15-16)	557402	11.683	681591	16.112
5099627007	TMW-9 (16-18)	558582	11.683	671129	16.112
5099627008	P-7 (13-15)	544490	11.683	676993	16.112
5099627009	P-3 (16-18)	581258	11.683	712508	16.112

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.: 5099627 Contract: Sibley - Accucast
 Sample ID : 6978158CCV Init. Calib. Date: 06/06/2014 Time: 06/09/2014
 Instrument ID: 50MSS2 GC Column: Col 1 Date Analyzed: 06/25/2014
 Lab File ID: 062514.B\100PPM-A.D Time Analyzed: 12:11

		AREA ANT	RT	AREA CRY	RT	AREA DCB	RT	AREA NPT	RT
12 HOUR STD		310783	9.966	804981	14.507	129883	4.695	519213	6.619
UPPER LIMIT		621566	10.466	1609962	15.007	259766	5.195	1038426	7.119
LOWER LIMIT		155391.5	9.466	402490.5	14.007	64941.5	4.195	259606.5	6.119
LAB SAMPLE ID	SAMPLE NO.								
1116664	1116664BLANK	229029	9.966	601479	14.501	104622	4.696	394907	6.619
1116665	1116665LCS	255016	9.966	662580	14.506	113148	4.695	435192	6.619
1116666	1116666MS	278035	9.966	729741	14.501	119665	4.695	467619	6.619
1116667	1116667MSD	274175	9.966	717243	14.495	118141	4.695	459475	6.619
5099627010	TMW-7 (14-16)	251100	9.966	657927	14.495	113746	4.695	424345	6.619
5099627011	P-4 (5-7)	264988	9.966	680299	14.501	117194	4.696	447893	6.619
5099627012	P-7 (5-7)	250522	9.966	653464	14.495	113661	4.695	427454	6.619

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.: 5099627 Contract: Sibley - Accucast
 Sample ID : 6978158CCV Init. Calib. Date: 06/06/2014 Time: 06/09/2014
 Instrument ID: 50MSS2 GC Column: Col 1 Date Analyzed: 06/25/2014
 Lab File ID: 062514.B\100PPM-A.D Time Analyzed: 12:11

		AREA PHN	RT	AREA PYL	RT
12 HOUR STD		611303	11.683	780677	16.118
UPPER LIMIT		1222606	12.183	1561354	16.618
LOWER LIMIT		305651.5	11.183	390338.5	15.618
LAB SAMPLE ID	SAMPLE NO.				
1116664	1116664BLANK	435654	11.683	612955	16.118
1116665	1116665LCS	500819	11.683	668159	16.124
1116666	1116666MS	542556	11.683	707366	16.118
1116667	1116667MSD	538034	11.683	696046	16.112
5099627010	TMW-7 (14-16)	491476	11.683	662075	16.112
5099627011	P-4 (5-7)	502266	11.683	693906	16.118
5099627012	P-7 (5-7)	480215	11.683	650558	16.112

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.: 5099627 Contract: Sibley - Accucast
 Sample ID : 6978162CCV Init. Calib. Date: 06/06/2014 Time: 06/09/2014
 Instrument ID: 50MSS2 GC Column: Col 1 Date Analyzed: 06/26/2014
 Lab File ID: 062514.B\100PPM-B.D Time Analyzed: 00:15

	AREA ANT	RT	AREA CRY	RT	AREA DCB	RT	AREA NPT	RT
12 HOUR STD	323812	9.966	862397	14.501	135449	4.695	544952	6.619
UPPER LIMIT	647624	10.466	1724794	15.001	270898	5.195	1089904	7.119
LOWER LIMIT	161906	9.466	431198.5	14.001	67724.5	4.195	272476	6.119
LAB SAMPLE ID	SAMPLE NO.							
1117083	1117083BLANK		320948	9.971	856189	14.501	128750	4.701
1117084	1117084LCS		320942	9.971	841668	14.501	131617	4.701
5099627014	TMW-3 (8-9)		329531	9.972	859933	14.501	132624	4.701
5099627015	P-9 (2-4)		333569	9.966	867684	14.501	134605	4.701
5099627016	P-3 (8-10)		307194	9.966	853378	14.501	126482	4.701
5099627017	P-9 (13-15)		290819	9.966	813467	14.495	118958	4.701
5099627018	Surf-Dupe		320892	9.966	842568	14.501	128972	4.701

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.: 5099627 Contract: Sibley - Accucast
 Sample ID : 6978162CCV Init. Calib. Date: 06/06/2014 Time: 06/09/2014
 Instrument ID: 50MSS2 GC Column: Col 1 Date Analyzed: 06/26/2014
 Lab File ID: 062514.B\100PPM-B.D Time Analyzed: 00:15

		AREA PHN	RT	AREA PYL	RT
12 HOUR STD		641262	11.683	812167	16.118
UPPER LIMIT		1282524	12.183	1624334	16.618
LOWER LIMIT		320631	11.183	406083.5	15.618
LAB SAMPLE ID	SAMPLE NO.				
1117083	1117083BLANK	637820	11.683	808650	16.118
1117084	1117084LCS	630459	11.683	797197	16.112
5099627014	TMW-3 (8-9)	651738	11.683	813519	16.118
5099627015	P-9 (2-4)	651515	11.683	802402	16.118
5099627016	P-3 (8-10)	606505	11.683	790866	16.112
5099627017	P-9 (13-15)	578197	11.683	766955	16.112
5099627018	Surf-Dupe	630490	11.683	771725	16.118

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.

P-8 (6-8)

Lab Name: Pace Analytical - Indiana
Date Received: 06/20/2014 10:42
Date Extracted: 06/23/2014 12:26
Date Analyzed: 06/23/2014 22:32
Initial wt/vol: 30.2 g Final wt/vol: 1 mL Dilution: 1

Contract: Sibley - Accucast
Matrix: Solid SDG No.: 5099627
Lab Sample ID: 5099627001
Lab File ID: 062314.B\5099627001.D
Instrument: 50MSS2 Percent Moisture: 9.9%

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-8 (6-8)

Lab Name: Pace Analytical - Indiana
Date Received: 06/20/2014 10:42
Date Extracted: 06/23/2014 12:26
Date Analyzed: 06/23/2014 22:32
Initial wt/vol: 30.2 g Final wt/vol: 1 mL Dilution: 1

Contract: Sibley - Accucast
Matrix: Solid SDG No.: 5099627
Lab Sample ID: 5099627001
Lab File ID: 062314.B\5099627001.D
Instrument: 50MSS2 Percent Moisture: 9.9%

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\50MSS2.i\062314.b\5099627001.d
 Lab Smp Id: 5099627001 Client Smp ID: P-8 (6-8)
 Inj Date : 23-JUN-2014 22:32
 Operator : SN Inst ID: 50MSS2.i
 Smp Info : 5099627001
 Misc Info : 15562
 Comment :
 Method : \\192.168.50.6\chem\50MSS2.i\062314.b\8270c.m
 Meth Date : 24-Jun-2014 08:57 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 / (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	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		3.395	3.389	(0.722)	281005	76.3513	2528
\$ 6 Phenol-d5 (S)	99		4.395	4.389	(0.935)	368953	79.4013	2629
* 11 1,4-Dichlorobenzene-d4 (IS)	152		4.701	4.695	(1.000)	129381	40.0000	(Q)
\$ 23 Nitrobenzene-d5 (S)	82		5.448	5.442	(0.823)	289511	75.1750	2489
* 32 Naphthalene-d8 (IS)	136		6.618	6.618	(1.000)	503069	40.0000	
\$ 46 2-Fluorobiphenyl (S)	172		9.012	9.012	(0.904)	701731	70.2995	2328
* 53 Acenaphthene-d10 (IS)	164		9.965	9.965	(1.000)	295954	40.0000	
\$ 67 2,4,6-Tribromophenol (S)	330		10.959	10.959	(0.938)	180041	86.6005	2868
* 72 Phenanthrene-d10 (IS)	188		11.683	11.683	(1.000)	560838	40.0000	
\$ 80 p-Terphenyl-d14 (S)	244		13.347	13.353	(1.142)	997671	86.6305	2868
* 84 Chrysene-d12 (IS)	240		14.494	14.500	(1.000)	723621	40.0000	
* 91 Perylene-d12 (IS)	264		16.112	16.112	(1.000)	706896	40.0000	

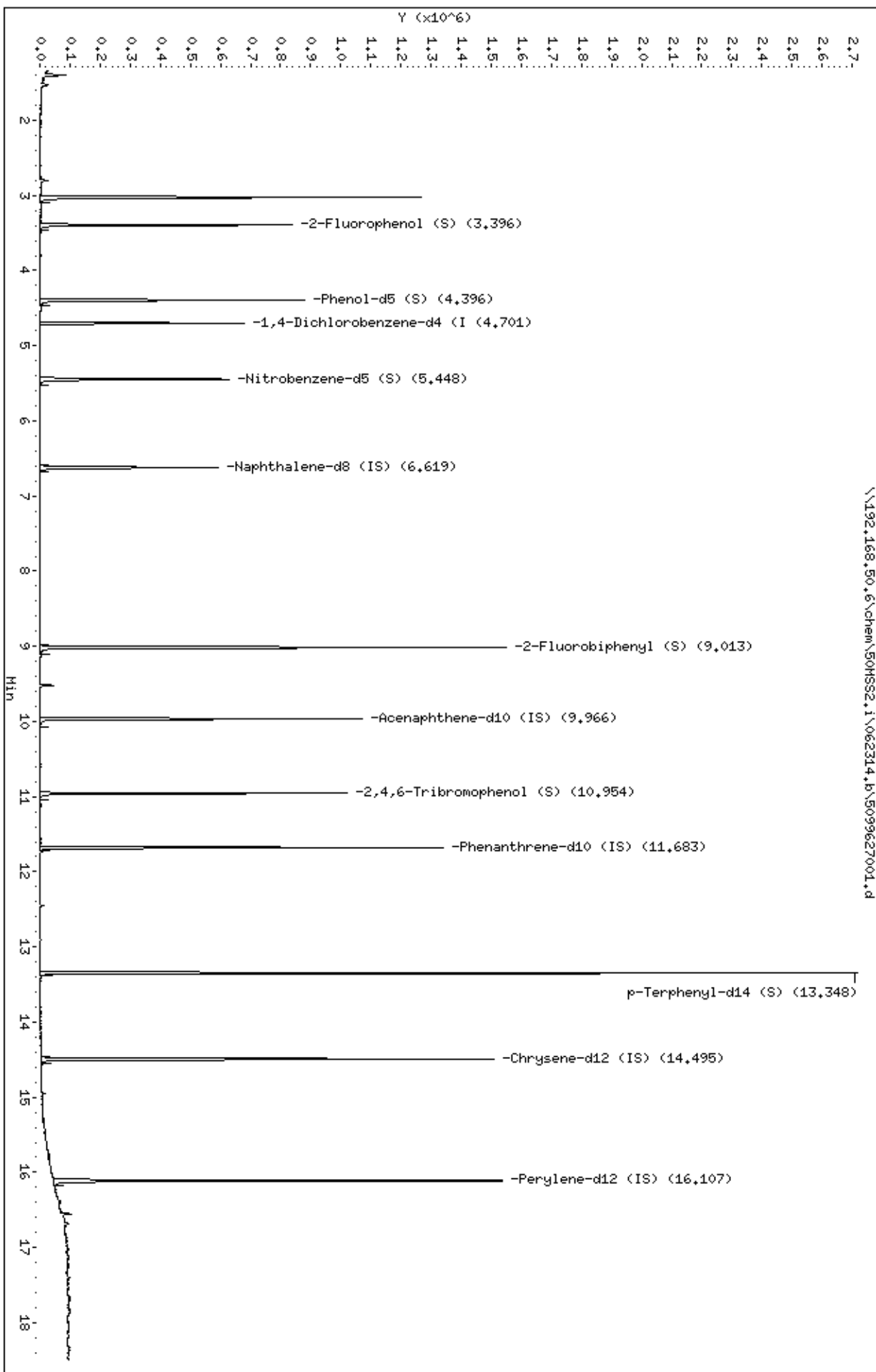
QC Flag Legend

Q - Qualifier signal failed the ratio test.

Data File: \\192.168.50.6\chem\50HSS2.1\062314.b\5099627001.d
 Date: 23-JUN-2014 22:32
 Client ID: P-8 (6-8)
 Sample Info: 5099627001
 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\062314.b\5099627001.d



MSSV FULL SCAN - FORM I SVOA-1
SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TMW-7 (8-10)

Lab Name: Pace Analytical - Indiana
Date Received: 06/20/2014 10:42
Date Extracted: 06/23/2014 12:26
Date Analyzed: 06/23/2014 22:55
Initial wt/vol: 30.1 g Final wt/vol: 1 mL Dilution: 1

Contract: Sibley - Accucast
Matrix: Solid SDG No.: 5099627
Lab Sample ID: 5099627002
Lab File ID: 062314.B\5099627002.D
Instrument: 50MSS2 Percent Moisture: 15.5%

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-7 (8-10)

Lab Name: Pace Analytical - Indiana
Date Received: 06/20/2014 10:42
Date Extracted: 06/23/2014 12:26
Date Analyzed: 06/23/2014 22:55
Initial wt/vol: 30.1 g Final wt/vol: 1 mL Dilution: 1

Contract: Sibley - Accucast
Matrix: Solid SDG No.: 5099627
Lab Sample ID: 5099627002
Lab File ID: 062314.B\5099627002.D
Instrument: 50MSS2 Percent Moisture: 15.5%

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\50MSS2.i\062314.b\5099627002.d
 Lab Smp Id: 5099627002 Client Smp ID: TMW-7 (8-10)
 Inj Date : 23-JUN-2014 22:55
 Operator : SN Inst ID: 50MSS2.i
 Smp Info : 5099627002
 Misc Info : 15562
 Comment :
 Method : \\192.168.50.6\chem\50MSS2.i\062314.b\8270c.m
 Meth Date : 24-Jun-2014 08:57 50MSS2.i Quant Type: ISTD
 Cal Date : 09-JUN-2014 14:49 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	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		3.395	3.389	(0.722)	250139	68.8109	2286
\$ 6 Phenol-d5 (S)	99		4.395	4.389	(0.935)	327165	71.2848	2368
* 11 1,4-Dichlorobenzene-d4 (IS)	152		4.701	4.695	(1.000)	127790	40.0000	(Q)
\$ 23 Nitrobenzene-d5 (S)	82		5.448	5.442	(0.823)	249434	65.2276	2167
* 32 Naphthalene-d8 (IS)	136		6.618	6.618	(1.000)	499528	40.0000	
\$ 46 2-Fluorobiphenyl (S)	172		9.012	9.012	(0.904)	697422	69.9257	2323
* 53 Acenaphthene-d10 (IS)	164		9.965	9.965	(1.000)	295709	40.0000	
\$ 67 2,4,6-Tribromophenol (S)	330		10.959	10.959	(0.938)	154598	74.0662	2461
* 72 Phenanthrene-d10 (IS)	188		11.683	11.683	(1.000)	563080	40.0000	
\$ 80 p-Terphenyl-d14 (S)	244		13.347	13.353	(1.142)	1018112	88.0535	2925
* 84 Chrysene-d12 (IS)	240		14.494	14.500	(1.000)	729865	40.0000	
* 91 Perylene-d12 (IS)	264		16.112	16.112	(1.000)	693897	40.0000	

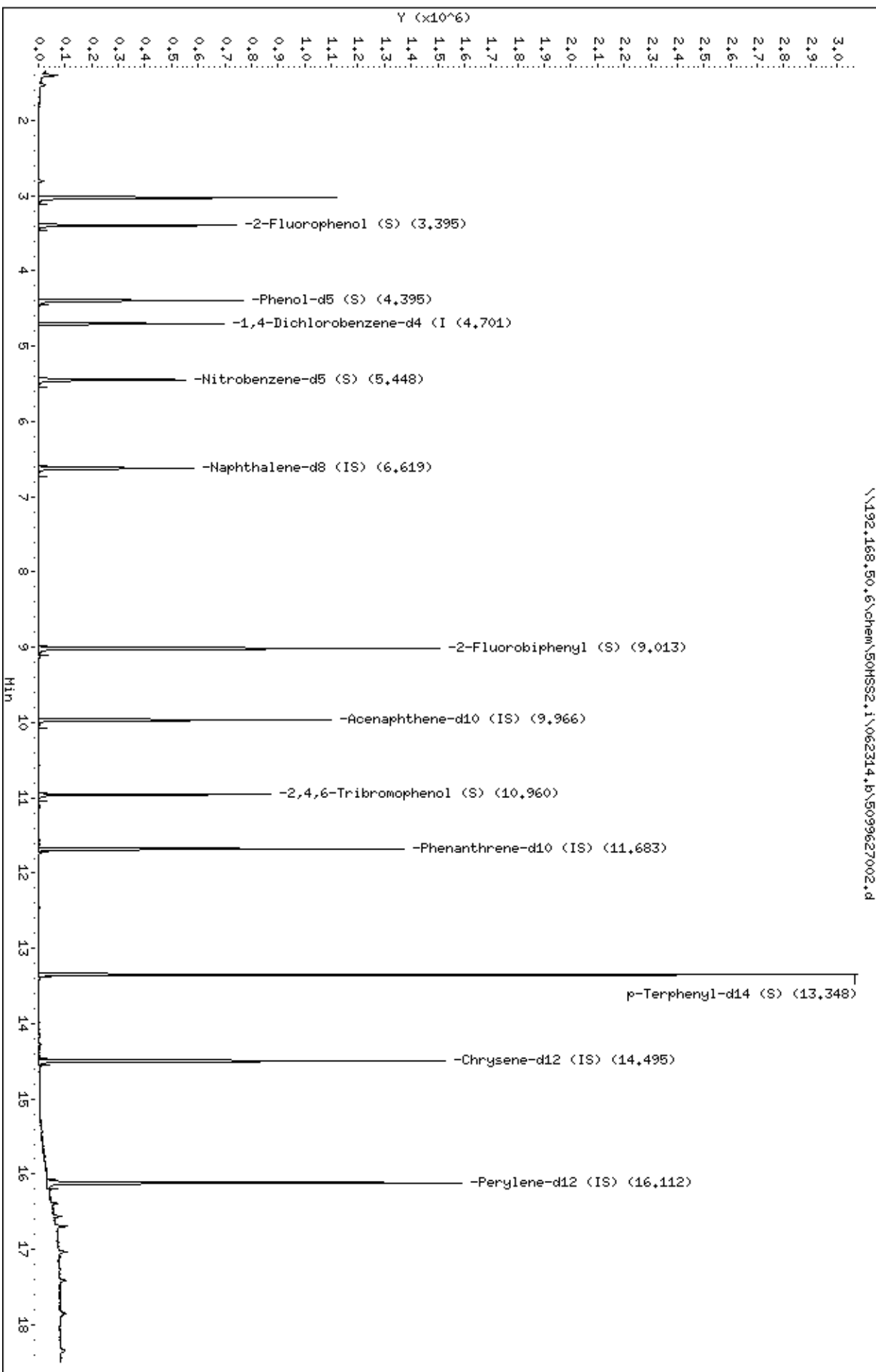
QC Flag Legend

Q - Qualifier signal failed the ratio test.

Data File: \\192.168.50.6\chem\50HSS2.1\062314.b\5099627002.d
 Date: 23-JUN-2014 22:55
 Client ID: TMM-7 (8-10)
 Sample Info: 5099627002
 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\062314.b\5099627002.d



MSSV FULL SCAN - FORM I SVOA-1
SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

P-8 (16-18)

Lab Name: Pace Analytical - Indiana
Date Received: 06/20/2014 10:42
Date Extracted: 06/23/2014 12:26
Date Analyzed: 06/23/2014 23:18
Initial wt/vol: 30.3 g Final wt/vol: 1 mL Dilution: 1

Contract: Sibley - Accucast
Matrix: Solid SDG No.: 5099627
Lab Sample ID: 5099627003
Lab File ID: 062314.B\5099627003.D
Instrument: 50MSS2 Percent Moisture: 16.0%

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-8 (16-18)

Lab Name: Pace Analytical - Indiana
Date Received: 06/20/2014 10:42
Date Extracted: 06/23/2014 12:26
Date Analyzed: 06/23/2014 23:18
Initial wt/vol: 30.3 g Final wt/vol: 1 mL Dilution: 1

Contract: Sibley - Accucast
Matrix: Solid SDG No.: 5099627
Lab Sample ID: 5099627003
Lab File ID: 062314.B\5099627003.D
Instrument: 50MSS2 Percent Moisture: 16.0%

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\50MSS2.i\062314.b\5099627003.d
 Lab Smp Id: 5099627003 Client Smp ID: P-8 (16-18)
 Inj Date : 23-JUN-2014 23:18
 Operator : SN Inst ID: 50MSS2.i
 Smp Info : 5099627003
 Misc Info : 15562
 Comment :
 Method : \\192.168.50.6\chem\50MSS2.i\062314.b\8270c.m
 Meth Date : 24-Jun-2014 08:57 50MSS2.i Quant Type: ISTD
 Cal Date : 09-JUN-2014 14:49 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	0.00000	% Moisture
Cpnd Variable		Local Compound Variable

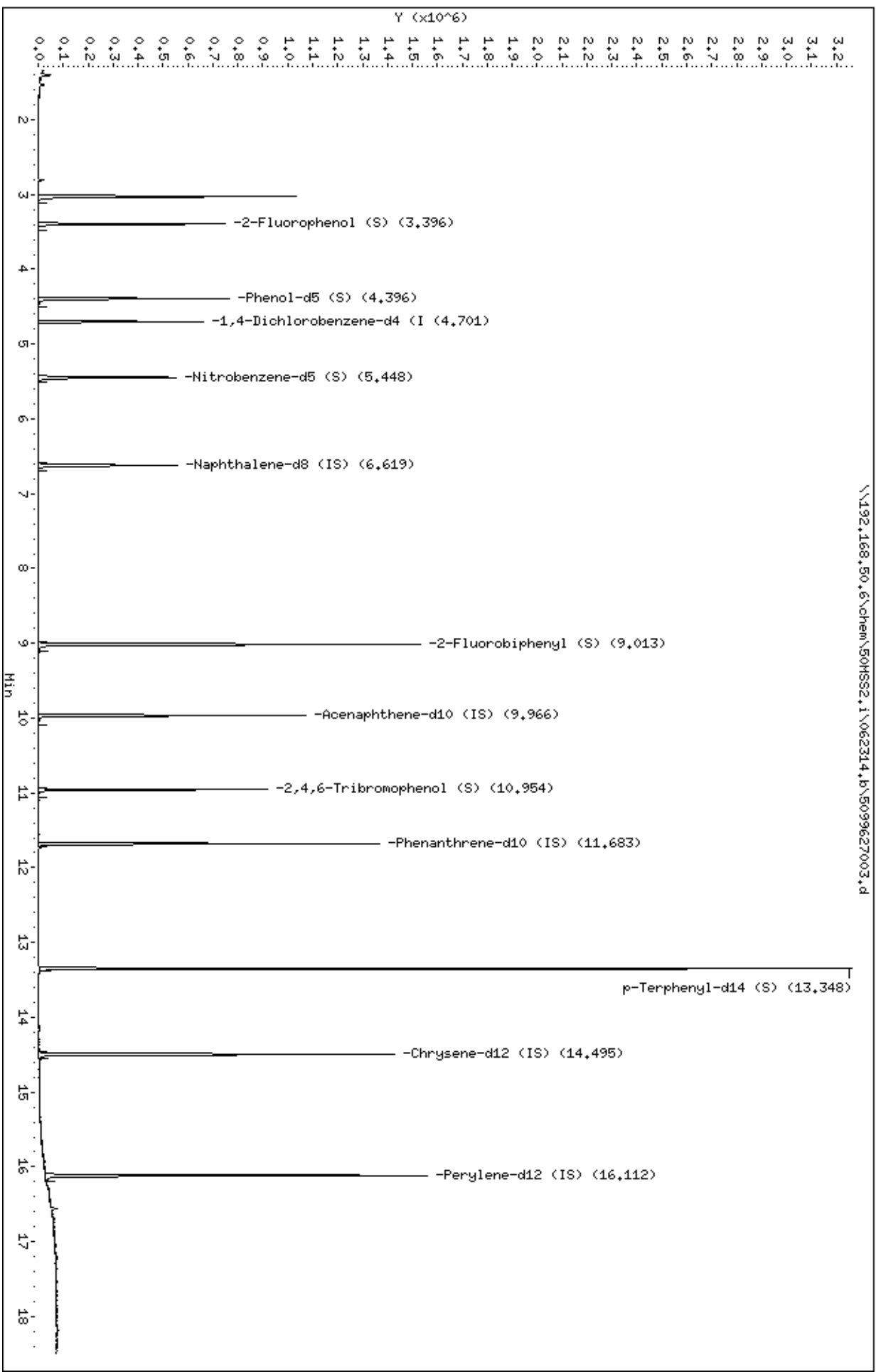
Compounds	QUANT	SIG	CONCENTRATIONS				ON-COLUMN (ug/ml)	FINAL (ug/Kg)
			MASS	RT	EXP RT	REL RT		
\$ 3 2-Fluorophenol (S)	112		3.395	3.389	(0.722)	252563	72.8622	2405
\$ 6 Phenol-d5 (S)	99		4.395	4.389	(0.935)	329208	75.2242	2483
* 11 1,4-Dichlorobenzene-d4 (IS)	152		4.701	4.695	(1.000)	121854	40.0000	(Q)
\$ 23 Nitrobenzene-d5 (S)	82		5.448	5.442	(0.823)	256194	70.1758	2316
* 32 Naphthalene-d8 (IS)	136		6.618	6.618	(1.000)	476889	40.0000	
\$ 46 2-Fluorobiphenyl (S)	172		9.012	9.012	(0.904)	699785	72.7985	2402
* 53 Acenaphthene-d10 (IS)	164		9.965	9.965	(1.000)	285002	40.0000	
\$ 67 2,4,6-Tribromophenol (S)	330		10.959	10.959	(0.938)	162313	81.1028	2677
* 72 Phenanthrene-d10 (IS)	188		11.683	11.683	(1.000)	539888	40.0000	
\$ 80 p-Terphenyl-d14 (S)	244		13.347	13.353	(1.142)	1063632	95.9420	3166
* 84 Chrysene-d12 (IS)	240		14.494	14.500	(1.000)	691042	40.0000	
* 91 Perylene-d12 (IS)	264		16.112	16.112	(1.000)	664319	40.0000	

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Data File: \\192.168.50.6\chem\50HSS2.1\062314.b\5099627003.d
 Date: 23-JUN-2014 23:18
 Client ID: P-8 (16-18)
 Sample Info: 5099627003
 Volume Injected (uL): 1.0
 Column phase: 50um DB-5ms

Instrument: 50HSS2.1
 Operator: SN
 Column diameter: 0.25



MSSV FULL SCAN - FORM I SVOA-1
SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

P-4 (16-18)

Lab Name: Pace Analytical - Indiana
Date Received: 06/20/2014 10:42
Date Extracted: 06/23/2014 12:26
Date Analyzed: 06/23/2014 23:41
Initial wt/vol: 30.1 g Final wt/vol: 1 mL Dilution: 1

Contract: Sibley - Accucast
Matrix: Solid SDG No.: 5099627
Lab Sample ID: 5099627004
Lab File ID: 062314.B\5099627004.D
Instrument: 50MSS2 Percent Moisture: 16.0%

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-4 (16-18)

Lab Name: Pace Analytical - Indiana
Date Received: 06/20/2014 10:42
Date Extracted: 06/23/2014 12:26
Date Analyzed: 06/23/2014 23:41
Initial wt/vol: 30.1 g Final wt/vol: 1 mL Dilution: 1

Contract: Sibley - Accucast
Matrix: Solid SDG No.: 5099627
Lab Sample ID: 5099627004
Lab File ID: 062314.B\5099627004.D
Instrument: 50MSS2 Percent Moisture: 16.0%

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\50MSS2.i\062314.b\5099627004.d
 Lab Smp Id: 5099627004 Client Smp ID: P-4 (16-18)
 Inj Date : 23-JUN-2014 23:41
 Operator : SN Inst ID: 50MSS2.i
 Smp Info : 5099627004
 Misc Info : 15562
 Comment :
 Method : \\192.168.50.6\chem\50MSS2.i\062314.b\8270c.m
 Meth Date : 24-Jun-2014 08:57 50MSS2.i Quant Type: ISTD
 Cal Date : 09-JUN-2014 14:49 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	30.100	Weight of sample extracted (g)
M	0.00000	% 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		3.395	3.389	(0.722)	223362	62.2322	2068
\$ 6 Phenol-d5 (S)	99		4.395	4.389	(0.935)	289279	63.8377	2121
* 11 1,4-Dichlorobenzene-d4 (IS)	152		4.701	4.695	(1.000)	126173	40.0000	(Q)
\$ 23 Nitrobenzene-d5 (S)	82		5.448	5.442	(0.823)	224101	60.1846	1999
* 32 Naphthalene-d8 (IS)	136		6.618	6.618	(1.000)	486401	40.0000	
\$ 46 2-Fluorobiphenyl (S)	172		9.012	9.012	(0.904)	612442	65.2746	2168
* 53 Acenaphthene-d10 (IS)	164		9.965	9.965	(1.000)	278180	40.0000	
\$ 67 2,4,6-Tribromophenol (S)	330		10.959	10.959	(0.938)	133880	68.1843	2265
* 72 Phenanthrene-d10 (IS)	188		11.683	11.683	(1.000)	529685	40.0000	
\$ 80 p-Terphenyl-d14 (S)	244		13.347	13.353	(1.142)	914209	84.0522	2792
* 84 Chrysene-d12 (IS)	240		14.494	14.500	(1.000)	690656	40.0000	
* 91 Perylene-d12 (IS)	264		16.106	16.112	(1.000)	669980	40.0000	

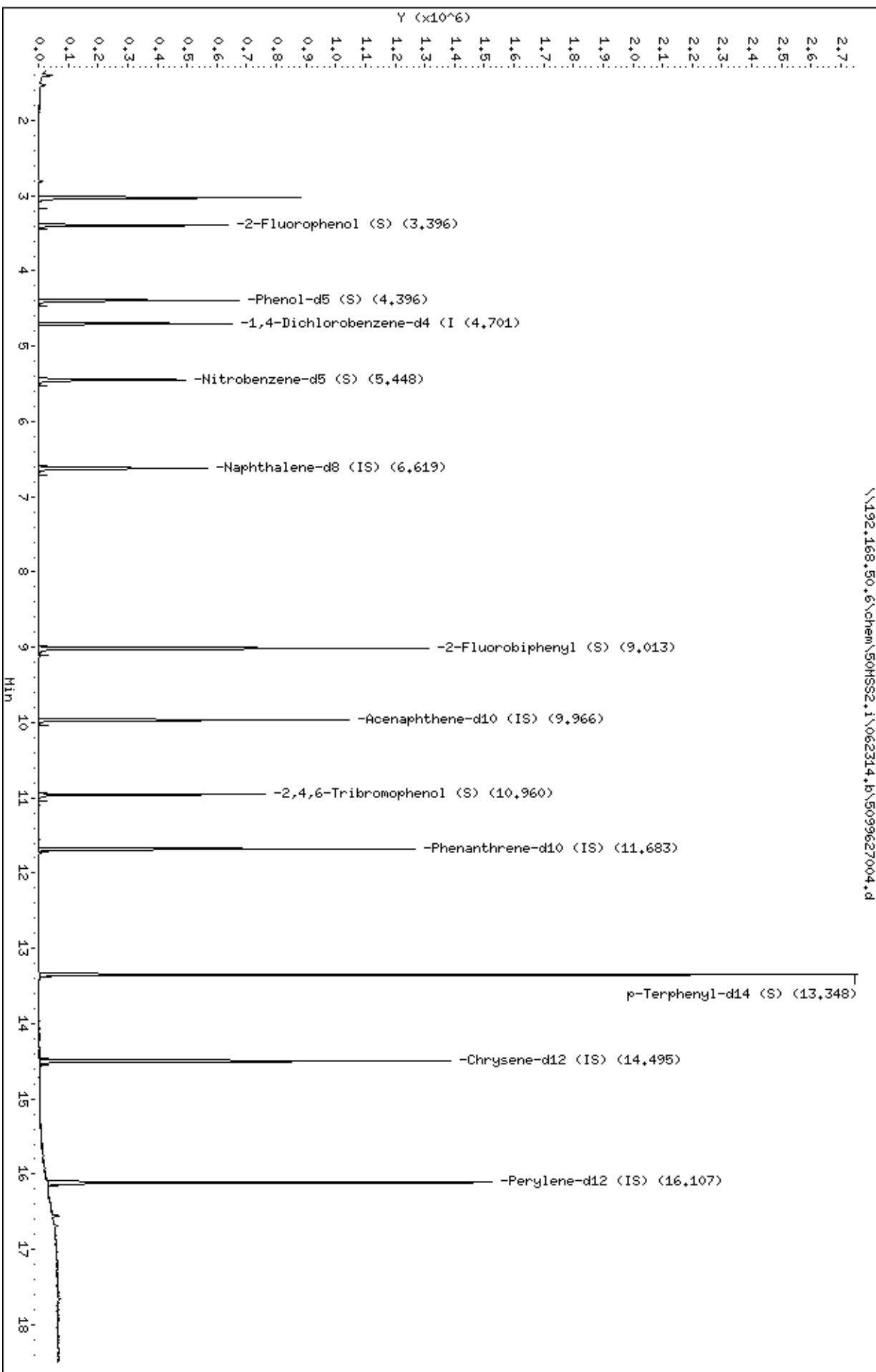
QC Flag Legend

Q - Qualifier signal failed the ratio test.

Data File: \\192.168.50.6\chem\50HSS2.1\062314.b\5099627004.d
Date: 23-JUN-2014 23:41
Client ID: P-4 (16-18)
Sample Info: 5099627004
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\062314.b\5099627004.d



MSSV FULL SCAN - FORM I SVOA-1
SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TMW-9 (3-5)

Lab Name: Pace Analytical - Indiana
Date Received: 06/20/2014 10:42
Date Extracted: 06/23/2014 12:26
Date Analyzed: 06/24/2014 00:04
Initial wt/vol: 30.4 g Final wt/vol: 1 mL Dilution: 1

Contract: Sibley - Accucast
Matrix: Solid SDG No.: 5099627
Lab Sample ID: 5099627005
Lab File ID: 062314.B\5099627005.D
Instrument: 50MSS2 Percent Moisture: 17.0%

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-9 (3-5)

Lab Name: Pace Analytical - Indiana
Date Received: 06/20/2014 10:42
Date Extracted: 06/23/2014 12:26
Date Analyzed: 06/24/2014 00:04
Initial wt/vol: 30.4 g Final wt/vol: 1 mL Dilution: 1

Contract: Sibley - Accucast
Matrix: Solid SDG No.: 5099627
Lab Sample ID: 5099627005
Lab File ID: 062314.B\5099627005.D
Instrument: 50MSS2 Percent Moisture: 17.0%

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\50MSS2.i\062314.b\5099627005.d
 Lab Smp Id: 5099627005 Client Smp ID: TMW-9 (3-5)
 Inj Date : 24-JUN-2014 00:04
 Operator : SN Inst ID: 50MSS2.i
 Smp Info : 5099627005
 Misc Info : 15562
 Comment :
 Method : \\192.168.50.6\chem\50MSS2.i\062314.b\8270c.m
 Meth Date : 24-Jun-2014 08:57 50MSS2.i Quant Type: ISTD
 Cal Date : 09-JUN-2014 14:49 Cal File: 100ppm.d
 Als bottle: 23
 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	0.00000	% 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			3.395	3.389	(0.722)	269594	74.9558	2466
\$ 6 Phenol-d5 (S)	99			4.395	4.389	(0.935)	351285	77.3587	2545
* 11 1,4-Dichlorobenzene-d4 (IS)	152			4.701	4.695	(1.000)	126438	40.0000	(Q)
\$ 23 Nitrobenzene-d5 (S)	82			5.448	5.442	(0.823)	276379	73.1172	2405
* 32 Naphthalene-d8 (IS)	136			6.618	6.618	(1.000)	493766	40.0000	
\$ 46 2-Fluorobiphenyl (S)	172			9.012	9.012	(0.904)	746324	75.8845	2496
* 53 Acenaphthene-d10 (IS)	164			9.965	9.965	(1.000)	291595	40.0000	
\$ 67 2,4,6-Tribromophenol (S)	330			10.959	10.959	(0.938)	165384	80.1013	2635
* 72 Phenanthrene-d10 (IS)	188			11.683	11.683	(1.000)	556981	40.0000	
\$ 80 p-Terphenyl-d14 (S)	244			13.347	13.353	(1.142)	1081071	94.5225	3109
* 84 Chrysene-d12 (IS)	240			14.494	14.500	(1.000)	718160	40.0000	
* 91 Perylene-d12 (IS)	264			16.112	16.112	(1.000)	681617	40.0000	

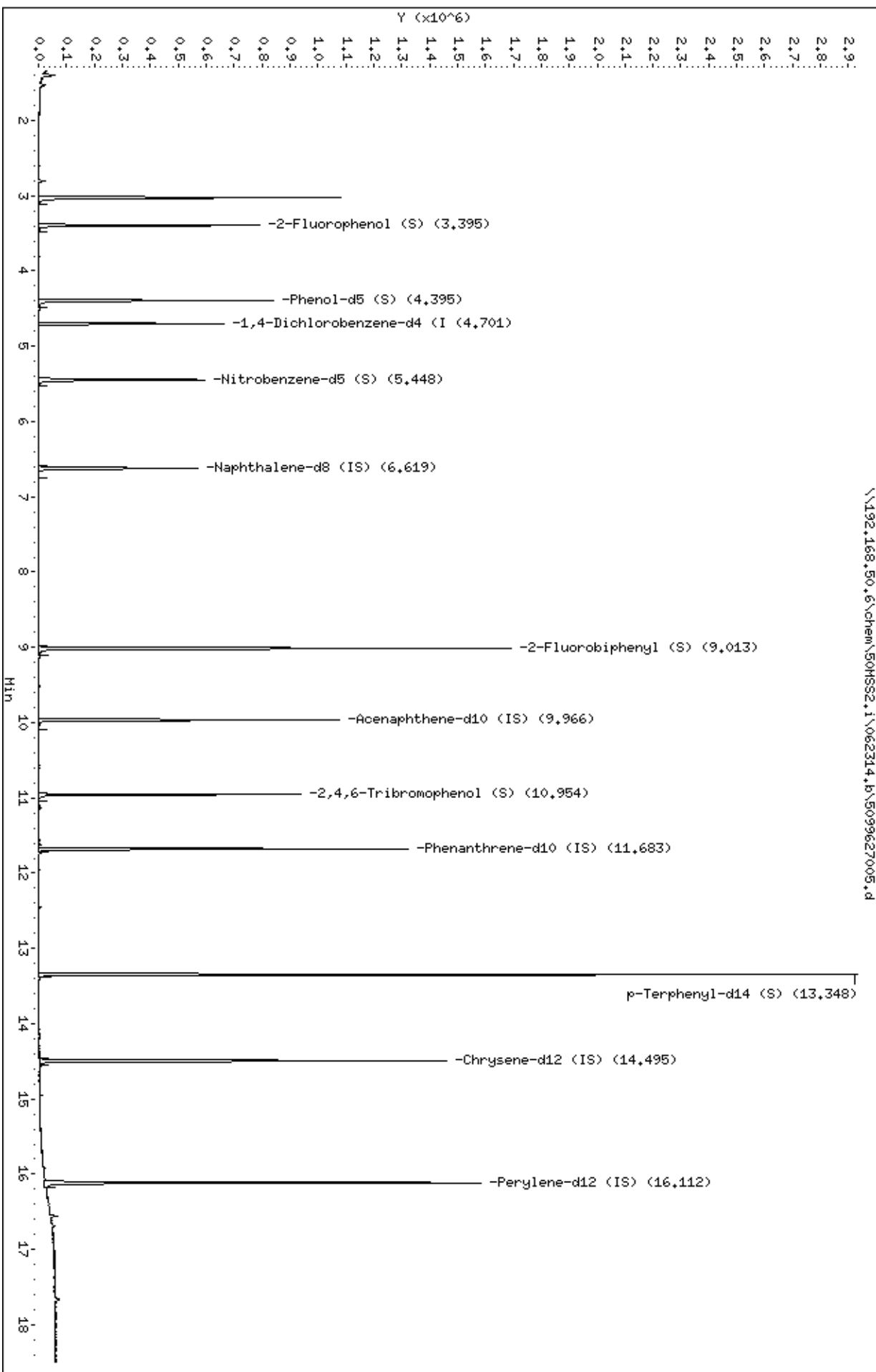
QC Flag Legend

Q - Qualifier signal failed the ratio test.

Data File: \\192.168.50.6\chem\50HSS2.1\062314.b\5099627005.d
 Date: 24-JUN-2014 00:04
 Client ID: TMM-9 (3-5)
 Sample Info: 5099627005
 Volume Injected (uL): 1.0
 Column phase: 50um DB-5ms

Instrument: 50HSS2.1
 Operator: SN
 Column diameter: 0.25

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MSSV FULL SCAN - FORM I SVOA-1
SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TMW-3 (15-16)

Lab Name: Pace Analytical - Indiana
Date Received: 06/20/2014 10:42
Date Extracted: 06/23/2014 12:26
Date Analyzed: 06/24/2014 00:27
Initial wt/vol: 30.1 g Final wt/vol: 1 mL Dilution: 1

Contract: Sibley - Accucast
Matrix: Solid SDG No.: 5099627
Lab Sample ID: 5099627006
Lab File ID: 062314.B\5099627006.D
Instrument: 50MSS2 Percent Moisture: 14.3%

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.

TMW-3 (15-16)

Lab Name: Pace Analytical - Indiana
Date Received: 06/20/2014 10:42
Date Extracted: 06/23/2014 12:26
Date Analyzed: 06/24/2014 00:27
Initial wt/vol: 30.1 g Final wt/vol: 1 mL Dilution: 1

Contract: Sibley - Accucast
Matrix: Solid SDG No.: 5099627
Lab Sample ID: 5099627006
Lab File ID: 062314.B\5099627006.D
Instrument: 50MSS2 Percent Moisture: 14.3%

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\50MSS2.i\062314.b\5099627006.d
 Lab Smp Id: 5099627006 Client Smp ID: TMW-3 (15-16)
 Inj Date : 24-JUN-2014 00:27
 Operator : SN Inst ID: 50MSS2.i
 Smp Info : 5099627006
 Misc Info : 15562
 Comment :
 Method : \\192.168.50.6\chem\50MSS2.i\062314.b\8270c.m
 Meth Date : 24-Jun-2014 08:57 50MSS2.i Quant Type: ISTD
 Cal Date : 09-JUN-2014 14:49 Cal File: 100ppm.d
 Als bottle: 24
 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	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		3.395	3.389	(0.722)	260492	73.1723	2431
\$ 6 Phenol-d5 (S)	99		4.395	4.389	(0.935)	340739	75.8103	2519
* 11 1,4-Dichlorobenzene-d4 (IS)	152		4.701	4.695	(1.000)	125147	40.0000	(Q)
\$ 23 Nitrobenzene-d5 (S)	82		5.448	5.442	(0.823)	262740	69.8401	2320
* 32 Naphthalene-d8 (IS)	136		6.618	6.618	(1.000)	491425	40.0000	
\$ 46 2-Fluorobiphenyl (S)	172		9.012	9.012	(0.904)	731680	73.9736	2458
* 53 Acenaphthene-d10 (IS)	164		9.965	9.965	(1.000)	293258	40.0000	
\$ 67 2,4,6-Tribromophenol (S)	330		10.959	10.959	(0.938)	169890	82.2215	2732
* 72 Phenanthrene-d10 (IS)	188		11.683	11.683	(1.000)	557402	40.0000	
\$ 80 p-Terphenyl-d14 (S)	244		13.347	13.353	(1.142)	1156069	101.003	3356
* 84 Chrysene-d12 (IS)	240		14.494	14.500	(1.000)	712251	40.0000	
* 91 Perylene-d12 (IS)	264		16.112	16.112	(1.000)	681591	40.0000	

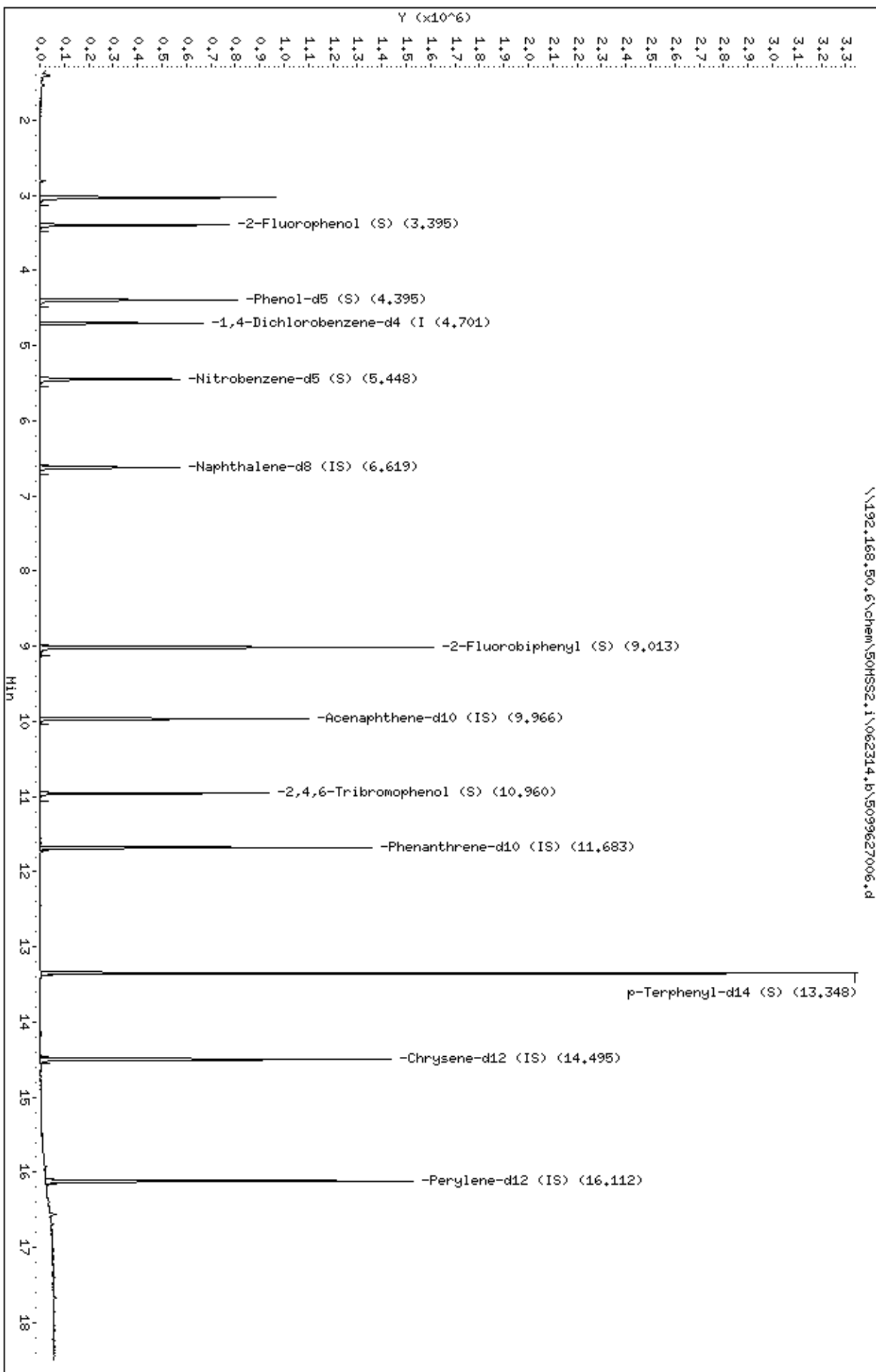
QC Flag Legend

Q - Qualifier signal failed the ratio test.

Data File: \\192.168.50.6\chem\50HSS2.1\062314.b\5099627006.d
Date: 24-JUN-2014 00:27
Client ID: TMM-3 (15-16)
Sample Info: 5099627006
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\062314.b\5099627006.d



MSSV FULL SCAN - FORM I SVOA-1
SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TMW-9 (16-18)

Lab Name: Pace Analytical - Indiana
Date Received: 06/20/2014 10:42
Date Extracted: 06/23/2014 12:26
Date Analyzed: 06/24/2014 00:50
Initial wt/vol: 30.2 g Final wt/vol: 1 mL Dilution: 1

Contract: Sibley - Accucast
Matrix: Solid SDG No.: 5099627
Lab Sample ID: 5099627007
Lab File ID: 062314.B\5099627007.D
Instrument: 50MSS2 Percent Moisture: 14.6%

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-9 (16-18)

Lab Name: Pace Analytical - Indiana
Date Received: 06/20/2014 10:42
Date Extracted: 06/23/2014 12:26
Date Analyzed: 06/24/2014 00:50
Initial wt/vol: 30.2 g Final wt/vol: 1 mL Dilution: 1

Contract: Sibley - Accucast
Matrix: Solid SDG No.: 5099627
Lab Sample ID: 5099627007
Lab File ID: 062314.B\5099627007.D
Instrument: 50MSS2 Percent Moisture: 14.6%

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\50MSS2.i\062314.b\5099627007.d
 Lab Smp Id: 5099627007 Client Smp ID: TMW-9 (16-18)
 Inj Date : 24-JUN-2014 00:50
 Operator : SN Inst ID: 50MSS2.i
 Smp Info : 5099627007
 Misc Info : 15562
 Comment :
 Method : \\192.168.50.6\chem\50MSS2.i\062314.b\8270c.m
 Meth Date : 24-Jun-2014 08:57 50MSS2.i Quant Type: ISTD
 Cal Date : 09-JUN-2014 14:49 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	30.200	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		3.395	3.389	(0.722)	267809	74.0682	2452
\$ 6 Phenol-d5 (S)	99		4.395	4.389	(0.935)	350822	76.8507	2545
* 11 1,4-Dichlorobenzene-d4 (IS)	152		4.701	4.695	(1.000)	127106	40.0000	(Q)
\$ 23 Nitrobenzene-d5 (S)	82		5.448	5.442	(0.823)	268272	71.1804	2357
* 32 Naphthalene-d8 (IS)	136		6.618	6.618	(1.000)	492324	40.0000	
\$ 46 2-Fluorobiphenyl (S)	172		9.012	9.012	(0.904)	731740	74.3899	2463
* 53 Acenaphthene-d10 (IS)	164		9.965	9.965	(1.000)	291641	40.0000	
\$ 67 2,4,6-Tribromophenol (S)	330		10.959	10.959	(0.938)	170001	82.1014	2718
* 72 Phenanthrene-d10 (IS)	188		11.683	11.683	(1.000)	558582	40.0000	
\$ 80 p-Terphenyl-d14 (S)	244		13.347	13.353	(1.142)	1085635	94.6494	3134
* 84 Chrysene-d12 (IS)	240		14.494	14.500	(1.000)	720606	40.0000	
* 91 Perylene-d12 (IS)	264		16.112	16.112	(1.000)	671129	40.0000	

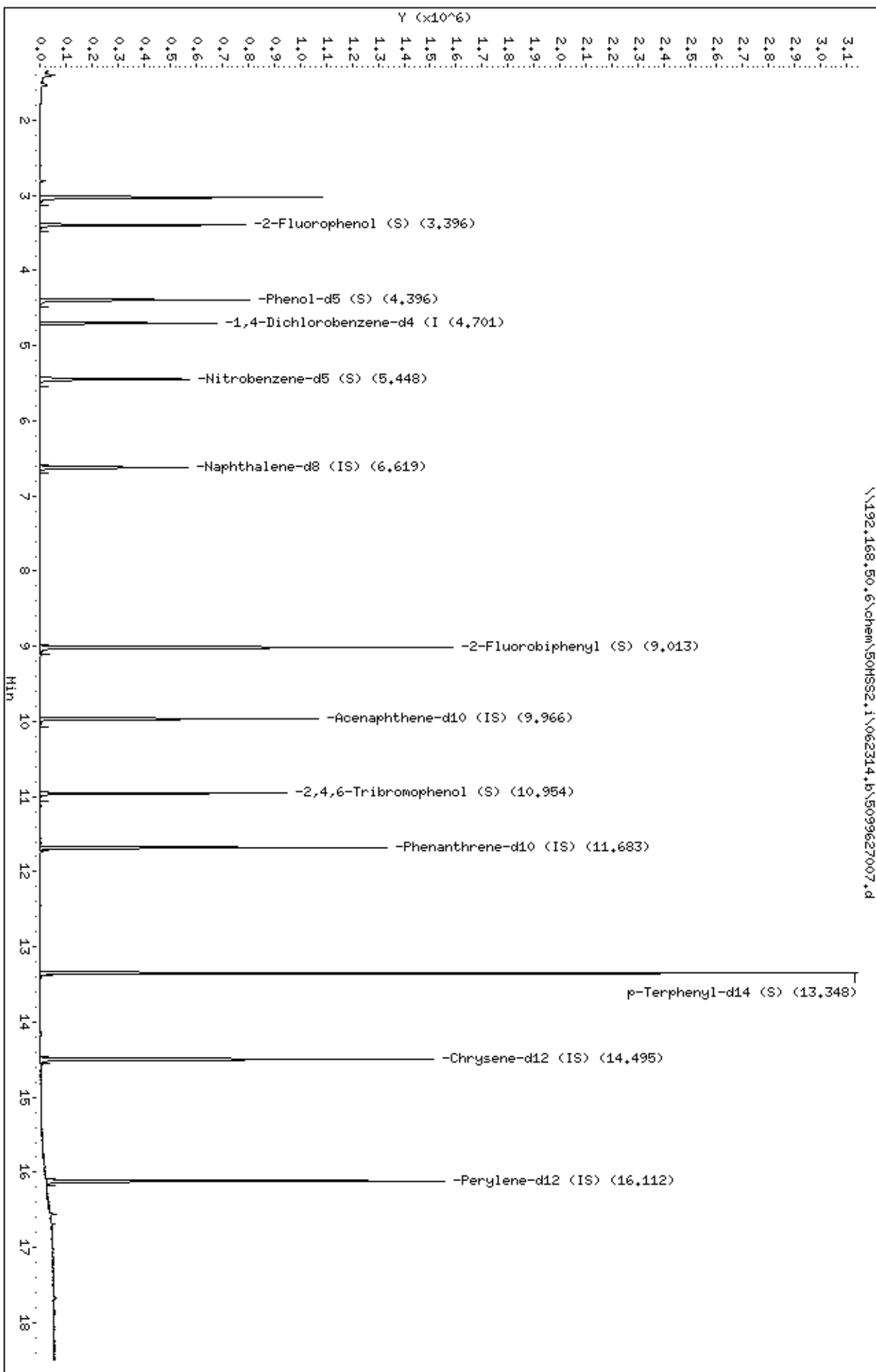
QC Flag Legend

Q - Qualifier signal failed the ratio test.

Data File: \\192.168.50.6\chem\50HSS2.1\062314.b\5099627007.d
 Date: 24-JUN-2014 00:50
 Client ID: TMM-9 (16-18)
 Sample Info: 5099627007
 Volume Injected (uL): 1.0
 Column phase: 50um DB-5ms

Instrument: 50HSS2.1
 Operator: SN
 Column diameter: 0.25

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MSSV FULL SCAN - FORM I SVOA-1
SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

P-7 (13-15)

Lab Name: Pace Analytical - Indiana
Date Received: 06/20/2014 10:42
Date Extracted: 06/23/2014 12:26
Date Analyzed: 06/24/2014 01:13
Initial wt/vol: 30.2 g Final wt/vol: 1 mL Dilution: 1

Contract: Sibley - Accucast
Matrix: Solid SDG No.: 5099627
Lab Sample ID: 5099627008
Lab File ID: 062314.B\5099627008.D
Instrument: 50MSS2 Percent Moisture: 15.7%

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.

P-7 (13-15)

Lab Name: Pace Analytical - Indiana
Date Received: 06/20/2014 10:42
Date Extracted: 06/23/2014 12:26
Date Analyzed: 06/24/2014 01:13
Initial wt/vol: 30.2 g Final wt/vol: 1 mL Dilution: 1

Contract: Sibley - Accucast
Matrix: Solid SDG No.: 5099627
Lab Sample ID: 5099627008
Lab File ID: 062314.B\5099627008.D
Instrument: 50MSS2 Percent Moisture: 15.7%

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\50MSS2.i\062314.b\5099627008.d
 Lab Smp Id: 5099627008 Client Smp ID: P-7 (13-15)
 Inj Date : 24-JUN-2014 01:13
 Operator : SN Inst ID: 50MSS2.i
 Smp Info : 5099627008
 Misc Info : 15562
 Comment :
 Method : \\192.168.50.6\chem\50MSS2.i\062314.b\8270c.m
 Meth Date : 24-Jun-2014 08:57 50MSS2.i Quant Type: ISTD
 Cal Date : 09-JUN-2014 14:49 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	30.200	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		3.395	3.389	(0.722)	272192	74.7850	2476
\$ 6 Phenol-d5 (S)	99		4.395	4.389	(0.935)	353298	76.8838	2546
* 11 1,4-Dichlorobenzene-d4 (IS)	152		4.701	4.695	(1.000)	127948	40.0000	(Q)
\$ 23 Nitrobenzene-d5 (S)	82		5.448	5.442	(0.823)	276518	74.0519	2452
* 32 Naphthalene-d8 (IS)	136		6.618	6.618	(1.000)	487779	40.0000	
\$ 46 2-Fluorobiphenyl (S)	172		9.012	9.012	(0.904)	743821	76.3128	2527
* 53 Acenaphthene-d10 (IS)	164		9.965	9.965	(1.000)	288986	40.0000	
\$ 67 2,4,6-Tribromophenol (S)	330		10.959	10.959	(0.938)	165768	82.1291	2720
* 72 Phenanthrene-d10 (IS)	188		11.683	11.683	(1.000)	544490	40.0000	
\$ 80 p-Terphenyl-d14 (S)	244		13.347	13.353	(1.142)	1097435	98.1545	3250
* 84 Chrysene-d12 (IS)	240		14.494	14.500	(1.000)	702666	40.0000	
* 91 Perylene-d12 (IS)	264		16.112	16.112	(1.000)	676993	40.0000	

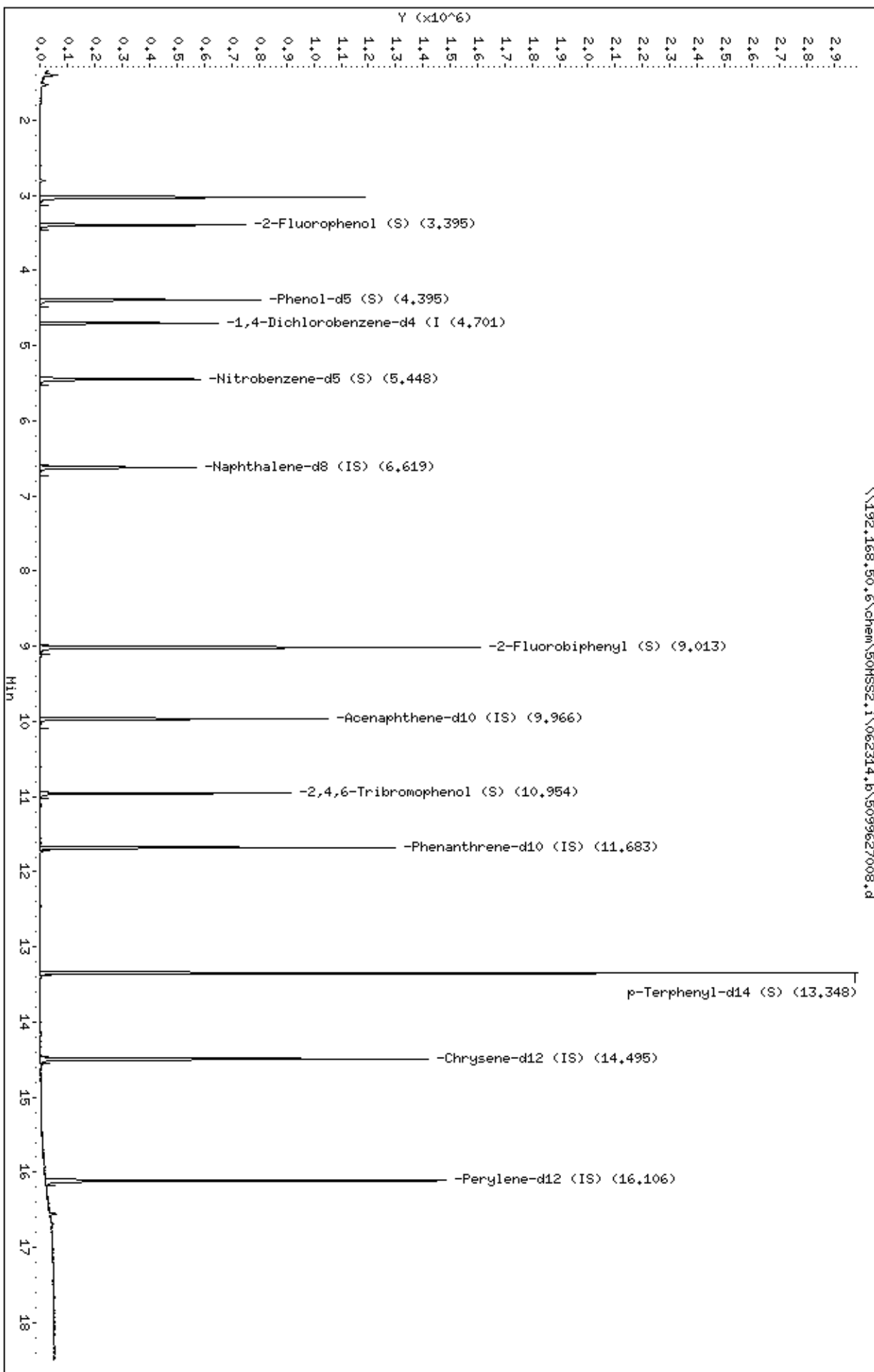
QC Flag Legend

Q - Qualifier signal failed the ratio test.

Data File: \\192.168.50.6\chem\50HSS2.1\062314.b\5099627008.d
 Date: 24-JUN-2014 01:13
 Client ID: P-7 (13-15)
 Sample Info: 5099627008
 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\062314.b\5099627008.d



MSSV FULL SCAN - FORM I SVOA-1
SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

P-3 (16-18)

Lab Name: Pace Analytical - Indiana
Date Received: 06/20/2014 10:42
Date Extracted: 06/23/2014 12:26
Date Analyzed: 06/24/2014 01:36
Initial wt/vol: 30.2 g Final wt/vol: 1 mL Dilution: 1

Contract: Sibley - Accucast
Matrix: Solid SDG No.: 5099627
Lab Sample ID: 5099627009
Lab File ID: 062314.B\5099627009.D
Instrument: 50MSS2 Percent Moisture: 16.6%

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-3 (16-18)

Lab Name: Pace Analytical - Indiana
Date Received: 06/20/2014 10:42
Date Extracted: 06/23/2014 12:26
Date Analyzed: 06/24/2014 01:36
Initial wt/vol: 30.2 g Final wt/vol: 1 mL Dilution: 1

Contract: Sibley - Accucast
Matrix: Solid SDG No.: 5099627
Lab Sample ID: 5099627009
Lab File ID: 062314.B\5099627009.D
Instrument: 50MSS2 Percent Moisture: 16.6%

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

07/17/2014 9:26

Pace Analytical Services, Inc.

Semivolatile REPORT SW-846 Method 8270/EPA 625

Data file : \\192.168.50.6\chem\50MSS2.i\062314.b\5099627009.d
 Lab Smp Id: 5099627009 Client Smp ID: P-3 (16-18)
 Inj Date : 24-JUN-2014 01:36
 Operator : SN Inst ID: 50MSS2.i
 Smp Info : 5099627009
 Misc Info : 15562
 Comment :
 Method : \\192.168.50.6\chem\50MSS2.i\062314.b\8270c.m
 Meth Date : 24-Jun-2014 08:57 50MSS2.i Quant Type: ISTD
 Cal Date : 09-JUN-2014 14:49 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	30.200	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		3.395	3.389	(0.722)	217145	58.2877	1930
\$ 6 Phenol-d5 (S)	99		4.395	4.389	(0.935)	279180	59.3562	1965
* 11 1,4-Dichlorobenzene-d4 (IS)	152		4.701	4.695	(1.000)	130962	40.0000	(Q)
\$ 23 Nitrobenzene-d5 (S)	82		5.448	5.442	(0.823)	216883	55.2588	1830
* 32 Naphthalene-d8 (IS)	136		6.618	6.618	(1.000)	512696	40.0000	
\$ 46 2-Fluorobiphenyl (S)	172		9.012	9.012	(0.904)	611513	59.4380	1968
* 53 Acenaphthene-d10 (IS)	164		9.965	9.965	(1.000)	305033	40.0000	
\$ 67 2,4,6-Tribromophenol (S)	330		10.959	10.959	(0.938)	130714	60.6652	2009
* 72 Phenanthrene-d10 (IS)	188		11.683	11.683	(1.000)	581258	40.0000	
\$ 80 p-Terphenyl-d14 (S)	244		13.347	13.353	(1.142)	865104	72.4804	2400
* 84 Chrysene-d12 (IS)	240		14.494	14.500	(1.000)	747432	40.0000	
* 91 Perylene-d12 (IS)	264		16.112	16.112	(1.000)	712508	40.0000	

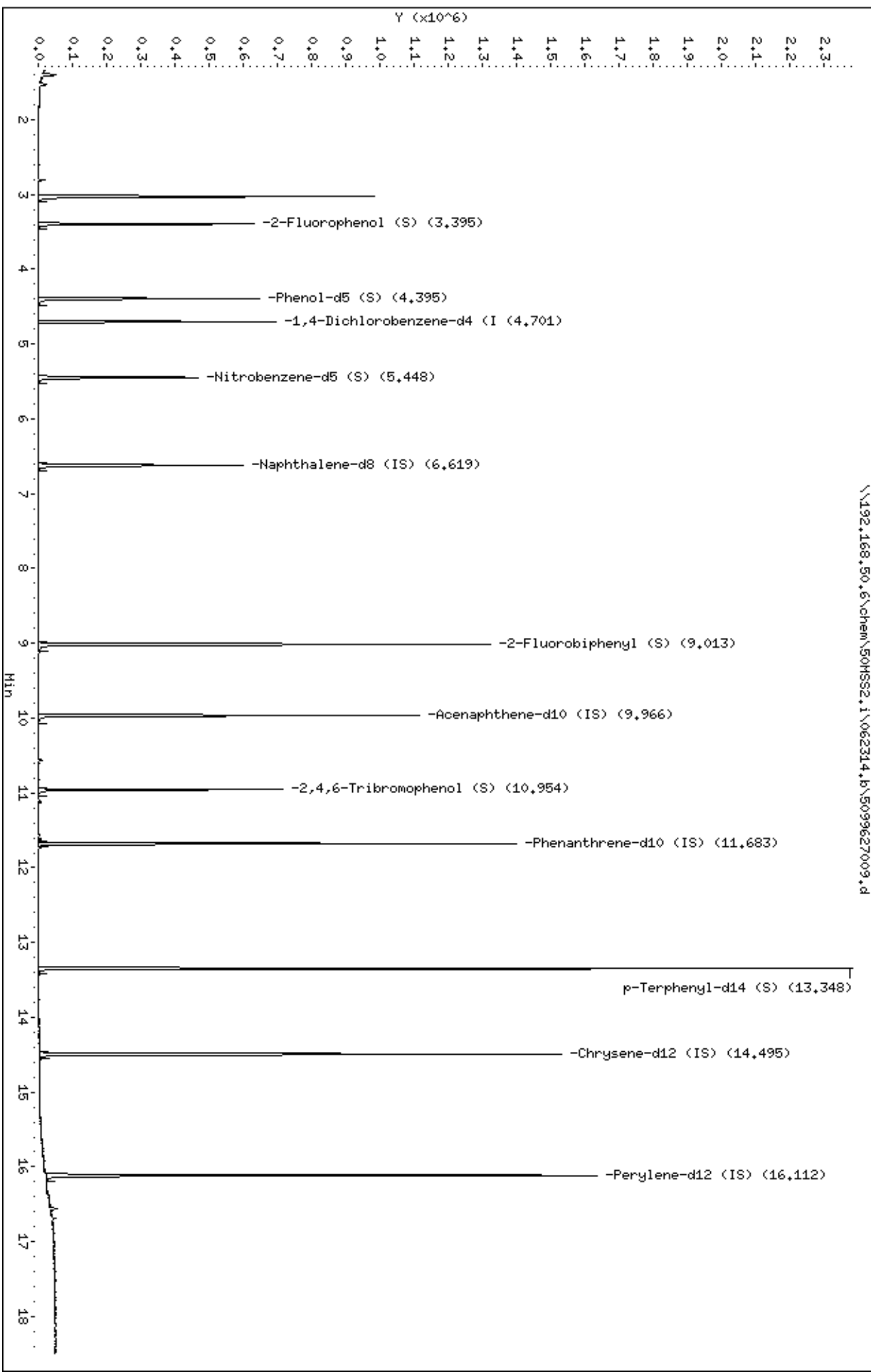
QC Flag Legend

Q - Qualifier signal failed the ratio test.

Data File: \\192.168.50.6\chem\50HSS2.1\062314.b\5099627009.d
 Date: 24-JUN-2014 01:36
 Client ID: P-3 (16-18)
 Sample Info: 5099627009
 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\062314.b\5099627009.d



MSSV FULL SCAN - FORM I SVOA-1
SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TMW-7 (14-16)

Lab Name: Pace Analytical - Indiana
Date Received: 06/20/2014 10:42
Date Extracted: 06/24/2014 14:24
Date Analyzed: 06/25/2014 13:42
Initial wt/vol: 30.2 g Final wt/vol: 1 mL Dilution: 1

Contract: Sibley - Accucast
Matrix: Solid SDG No.: 5099627
Lab Sample ID: 5099627010
Lab File ID: 062514.B\5099627010.D
Instrument: 50MSS2 Percent Moisture: 14.2%

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

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MSSV FULL SCAN - FORM I SVOA-2
SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TMW-7 (14-16)

Lab Name: Pace Analytical - Indiana
Date Received: 06/20/2014 10:42
Date Extracted: 06/24/2014 14:24
Date Analyzed: 06/25/2014 13:42
Initial wt/vol: 30.2 g Final wt/vol: 1 mL Dilution: 1

Contract: Sibley - Accucast
Matrix: Solid SDG No.: 5099627
Lab Sample ID: 5099627010
Lab File ID: 062514.B\5099627010.D
Instrument: 50MSS2 Percent Moisture: 14.2%

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	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.

Semivolatiles REPORT SW-846 Method 8270/EPA 625

Data file : \\192.168.50.6\chem\50MSS2.i\062514.b\5099627010.d
 Lab Smp Id: 5099627010 Client Smp ID: TMW-7 (14-16)
 Inj Date : 25-JUN-2014 13:42
 Operator : SN Inst ID: 50MSS2.i
 Smp Info : 5099627010
 Misc Info : 15571
 Comment :
 Method : \\192.168.50.6\chem\50MSS2.i\062514.b\8270c.m
 Meth Date : 26-Jun-2014 10:12 50MSS2.i Quant Type: ISTD
 Cal Date : 09-JUN-2014 14:49 Cal File: 100ppm.d
 Als bottle: 7
 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	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		3.389	3.389	(0.722)	225385	69.6565	2306
\$ 6 Phenol-d5 (S)	99		4.395	4.395	(0.936)	285718	69.9405	2316
* 11 1,4-Dichlorobenzene-d4 (IS)	152		4.695	4.695	(1.000)	113746	40.0000	(Q)
\$ 23 Nitrobenzene-d5 (S)	82		5.448	5.442	(0.823)	226483	69.7192	2308
* 32 Naphthalene-d8 (IS)	136		6.618	6.618	(1.000)	424345	40.0000	
\$ 46 2-Fluorobiphenyl (S)	172		9.012	9.012	(0.904)	606167	71.5733	2370
* 53 Acenaphthene-d10 (IS)	164		9.965	9.965	(1.000)	251100	40.0000	
\$ 67 2,4,6-Tribromophenol (S)	330		10.959	10.959	(0.938)	130852	71.8231	2378
* 72 Phenanthrene-d10 (IS)	188		11.683	11.683	(1.000)	491476	40.0000	
\$ 80 p-Terphenyl-d14 (S)	244		13.347	13.347	(1.142)	859664	85.1819	2820
* 84 Chrysene-d12 (IS)	240		14.494	14.500	(1.000)	657927	40.0000	
* 91 Perylene-d12 (IS)	264		16.112	16.118	(1.000)	662075	40.0000	

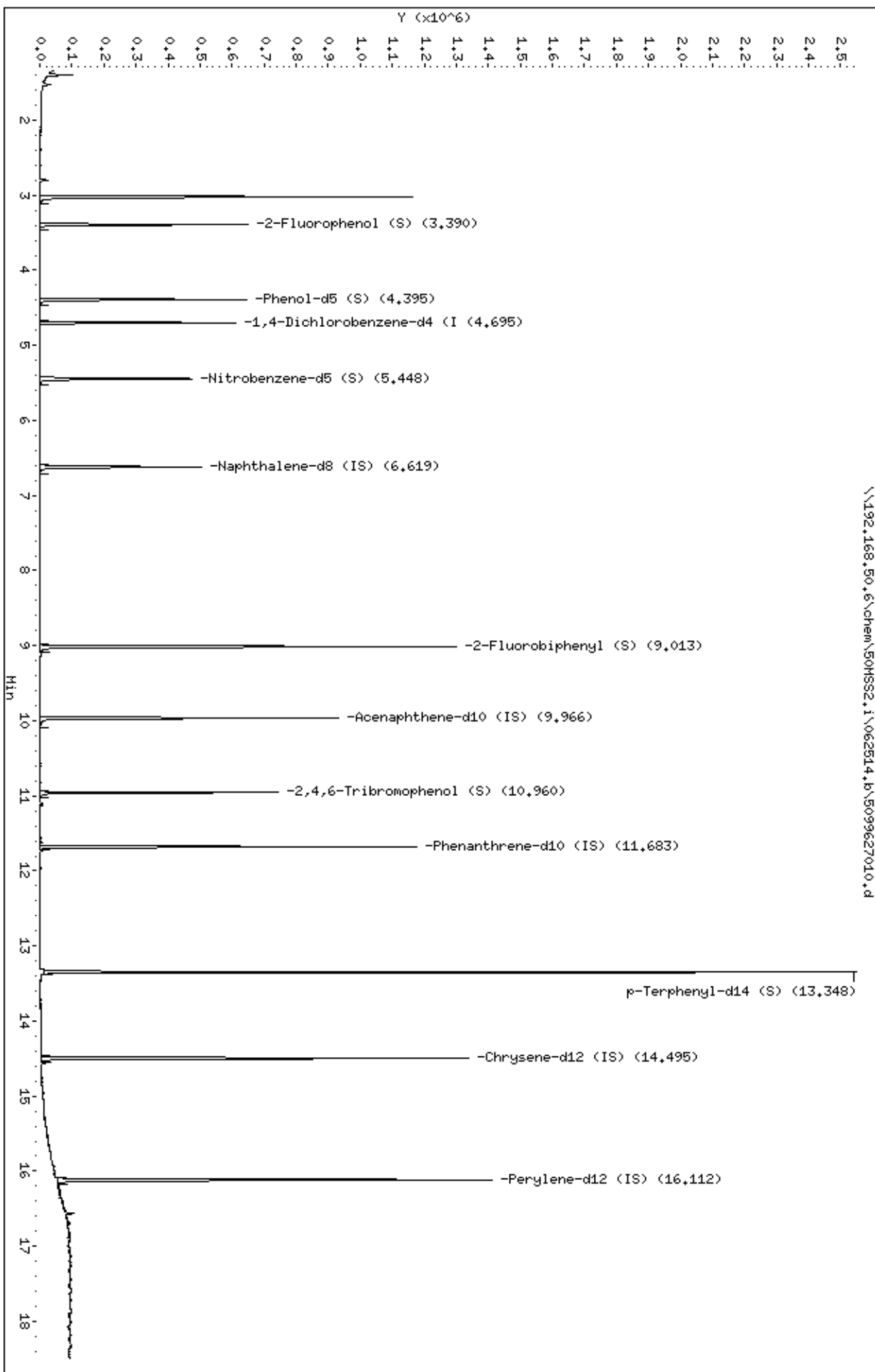
QC Flag Legend

Q - Qualifier signal failed the ratio test.

Data File: \\192.168.50.6\chem\50HSS2.1\062514.b\5099627010.d
Date: 25-JUN-2014 13:42
Client ID: TMM-7 (14-16)
Sample Info: 5099627010
Volume Injected (uL): 1.0
Column phase: 50um DB-5ms

Instrument: 50HSS2.1
Operator: SN
Column diameter: 0.25

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MSSV FULL SCAN - FORM I SVOA-1
SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

P-4 (5-7)

Lab Name: Pace Analytical - Indiana
Date Received: 06/20/2014 10:42
Date Extracted: 06/24/2014 14:24
Date Analyzed: 06/25/2014 14:04
Initial wt/vol: 30.1 g Final wt/vol: 1 mL Dilution: 1

Contract: Sibley - Accucast
Matrix: Solid SDG No.: 5099627
Lab Sample ID: 5099627011
Lab File ID: 062514.B\5099627011.D
Instrument: 50MSS2 Percent Moisture: 9.2%

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

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MSSV FULL SCAN - FORM I SVOA-2
SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

P-4 (5-7)

Lab Name: Pace Analytical - Indiana
Date Received: 06/20/2014 10:42
Date Extracted: 06/24/2014 14:24
Date Analyzed: 06/25/2014 14:04
Initial wt/vol: 30.1 g Final wt/vol: 1 mL Dilution: 1

Contract: Sibley - Accucast
Matrix: Solid SDG No.: 5099627
Lab Sample ID: 5099627011
Lab File ID: 062514.B\5099627011.D
Instrument: 50MSS2 Percent Moisture: 9.2%

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	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\50MSS2.i\062514.b\5099627011.d
 Lab Smp Id: 5099627011 Client Smp ID: P-4 (5-7)
 Inj Date : 25-JUN-2014 14:04
 Operator : SN Inst ID: 50MSS2.i
 Smp Info : 5099627011
 Misc Info : 15571
 Comment :
 Method : \\192.168.50.6\chem\50MSS2.i\062514.b\8270c.m
 Meth Date : 26-Jun-2014 10:12 50MSS2.i Quant Type: ISTD
 Cal Date : 09-JUN-2014 14:49 Cal File: 100ppm.d
 Als bottle: 8
 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	0.00000	% Moisture
Cpnd Variable		Local Compound Variable

Compounds	QUANT	SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
							ON-COLUMN (ug/ml)	FINAL (ug/Kg)
\$ 3 2-Fluorophenol (S)	112		3.389	3.389	(0.722)	228203	68.4524	2274
\$ 6 Phenol-d5 (S)	99		4.389	4.395	(0.935)	295661	70.2451	2334
* 11 1,4-Dichlorobenzene-d4 (IS)	152		4.695	4.695	(1.000)	117194	40.0000	(Q)
\$ 23 Nitrobenzene-d5 (S)	82		5.442	5.442	(0.822)	228514	66.6461	2214
* 32 Naphthalene-d8 (IS)	136		6.618	6.618	(1.000)	447893	40.0000	
\$ 46 2-Fluorobiphenyl (S)	172		9.012	9.012	(0.904)	571637	63.9587	2125
* 53 Acenaphthene-d10 (IS)	164		9.965	9.965	(1.000)	264988	40.0000	
\$ 67 2,4,6-Tribromophenol (S)	330		10.959	10.959	(0.938)	127279	68.3611	2271
* 72 Phenanthrene-d10 (IS)	188		11.683	11.683	(1.000)	502266	40.0000	
\$ 80 p-Terphenyl-d14 (S)	244		13.347	13.347	(1.142)	829790	80.4555	2673
* 84 Chrysene-d12 (IS)	240		14.500	14.500	(1.000)	680299	40.0000	
* 91 Perylene-d12 (IS)	264		16.118	16.118	(1.000)	693906	40.0000	

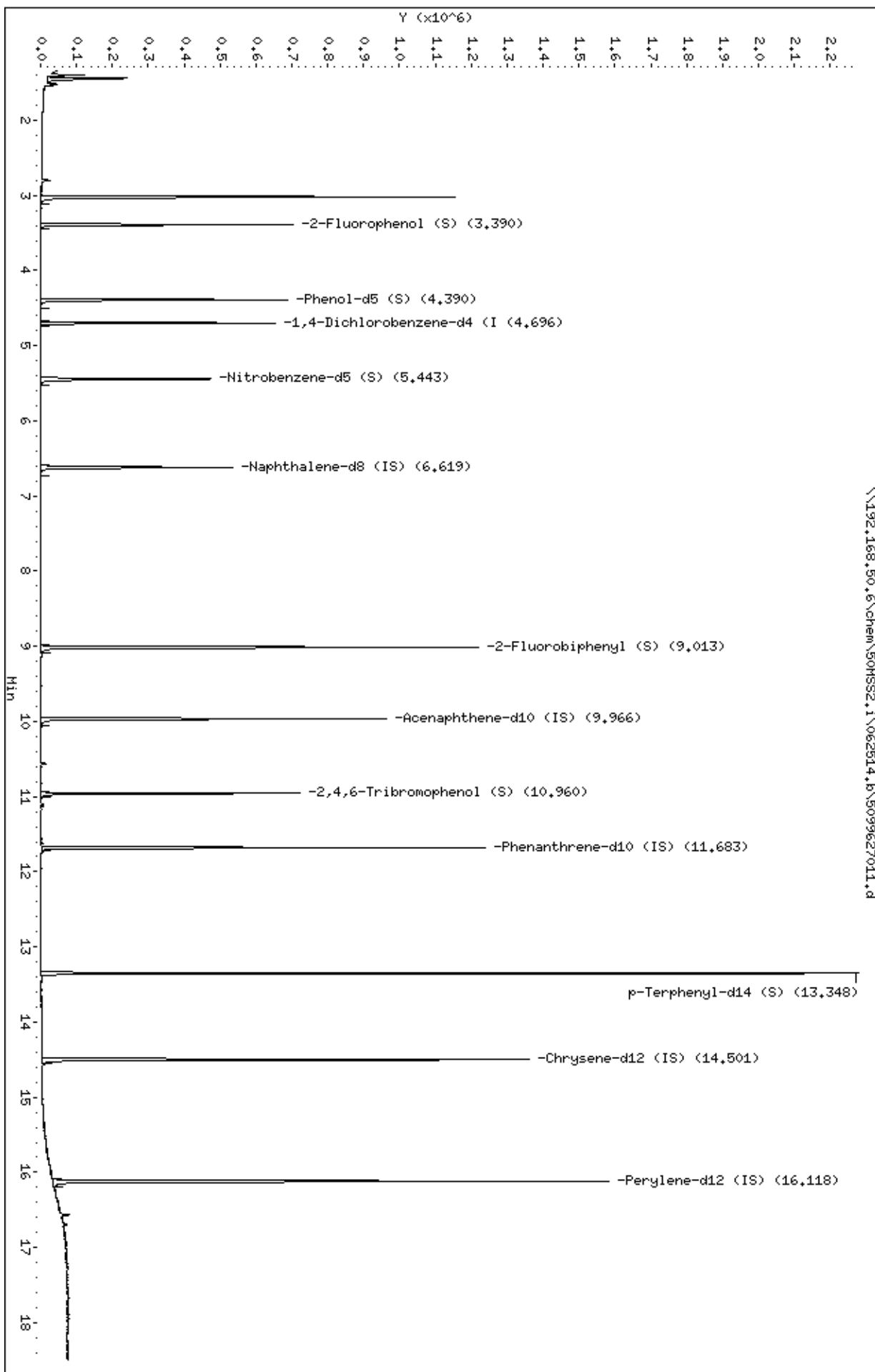
QC Flag Legend

Q - Qualifier signal failed the ratio test.

Data File: \\192.168.50.6\chem\50HSS2.1\062514.b\5099627011.d
Date: 25-JUN-2014 14:04
Client ID: P-4 (5-7)
Sample Info: 5099627011
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\062514.b\5099627011.d



MSSV FULL SCAN - FORM I SVOA-1
SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

P-7 (5-7)

Lab Name: Pace Analytical - Indiana
Date Received: 06/20/2014 10:42
Date Extracted: 06/24/2014 14:24
Date Analyzed: 06/25/2014 15:12
Initial wt/vol: 30.1 g Final wt/vol: 1 mL Dilution: 1

Contract: Sibley - Accucast
Matrix: Solid SDG No.: 5099627
Lab Sample ID: 5099627012
Lab File ID: 062514.B\5099627012.D
Instrument: 50MSS2 Percent Moisture: 14.5%

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-7 (5-7)

Lab Name: Pace Analytical - Indiana
Date Received: 06/20/2014 10:42
Date Extracted: 06/24/2014 14:24
Date Analyzed: 06/25/2014 15:12
Initial wt/vol: 30.1 g Final wt/vol: 1 mL Dilution: 1

Contract: Sibley - Accucast
Matrix: Solid SDG No.: 5099627
Lab Sample ID: 5099627012
Lab File ID: 062514.B\5099627012.D
Instrument: 50MSS2 Percent Moisture: 14.5%

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\50MSS2.i\062514.b\5099627012.d
 Lab Smp Id: 5099627012 Client Smp ID: P-7 (5-7)
 Inj Date : 25-JUN-2014 15:12
 Operator : SN Inst ID: 50MSS2.i
 Smp Info : 5099627012
 Misc Info : 15571
 Comment :
 Method : \\192.168.50.6\chem\50MSS2.i\062514.b\8270c.m
 Meth Date : 26-Jun-2014 10:12 50MSS2.i Quant Type: ISTD
 Cal Date : 09-JUN-2014 14:49 Cal File: 100ppm.d
 Als bottle: 11
 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	0.00000	% 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	3.389	3.389	(0.722)	252628	78.1345	2596
\$ 6 Phenol-d5 (S)	99	4.389	4.395	(0.935)	316845	77.6180	2579
* 11 1,4-Dichlorobenzene-d4 (IS)	152	4.695	4.695	(1.000)	113661	40.0000	(Q)
\$ 23 Nitrobenzene-d5 (S)	82	5.442	5.442	(0.822)	244645	74.7623	2484
* 32 Naphthalene-d8 (IS)	136	6.618	6.618	(1.000)	427454	40.0000	
\$ 46 2-Fluorobiphenyl (S)	172	9.012	9.012	(0.904)	635907	75.2581	2500
* 53 Acenaphthene-d10 (IS)	164	9.965	9.965	(1.000)	250522	40.0000	
\$ 67 2,4,6-Tribromophenol (S)	330	10.959	10.959	(0.938)	141948	79.7406	2649
* 72 Phenanthrene-d10 (IS)	188	11.683	11.683	(1.000)	480215	40.0000	
\$ 80 p-Terphenyl-d14 (S)	244	13.347	13.347	(1.142)	967185	98.0833	3258
* 84 Chrysene-d12 (IS)	240	14.494	14.500	(1.000)	653464	40.0000	
* 91 Perylene-d12 (IS)	264	16.112	16.118	(1.000)	650558	40.0000	

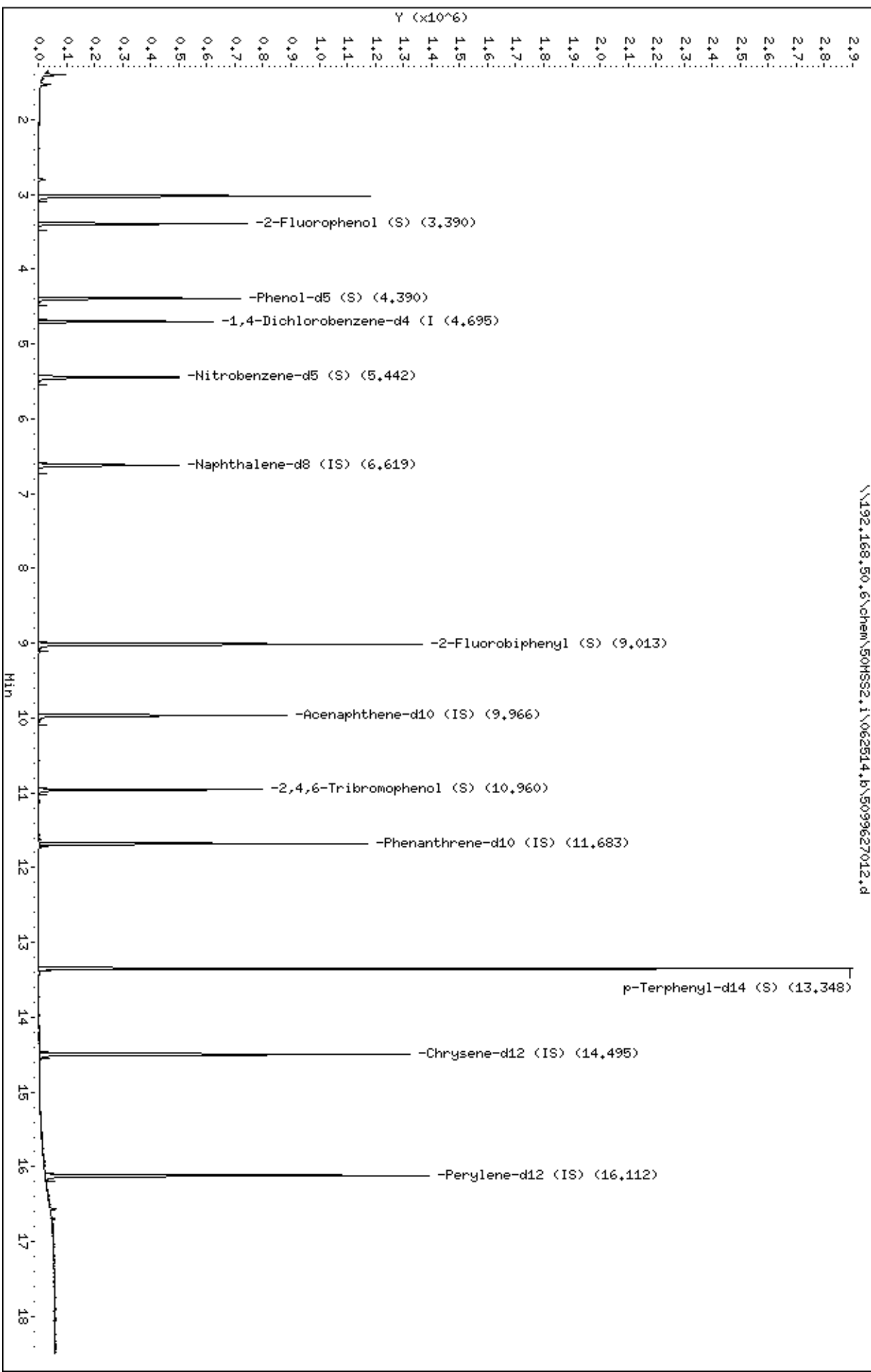
QC Flag Legend

Q - Qualifier signal failed the ratio test.

Data File: \\192.168.50.6\chem\50HSS2.1\062514.b\5099627012.d
 Date: 25-JUN-2014 15:12
 Client ID: P-7 (5-7)
 Sample Info: 5099627012
 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\062514.b\5099627012.d



MSSV FULL SCAN - FORM I SVOA-1
SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TMW-3 (8-9)

Lab Name: Pace Analytical - Indiana
Date Received: 06/20/2014 10:42
Date Extracted: 06/25/2014 11:19
Date Analyzed: 06/26/2014 01:45
Initial wt/vol: 30.4 g Final wt/vol: 1 mL Dilution: 1

Contract: Sibley - Accucast
Matrix: Solid SDG No.: 5099627
Lab Sample ID: 5099627014
Lab File ID: 062514.B\5099627014.D
Instrument: 50MSS2 Percent Moisture: 5.6%

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-3 (8-9)

Lab Name: Pace Analytical - Indiana
Date Received: 06/20/2014 10:42
Date Extracted: 06/25/2014 11:19
Date Analyzed: 06/26/2014 01:45
Initial wt/vol: 30.4 g Final wt/vol: 1 mL Dilution: 1

Contract: Sibley - Accucast
Matrix: Solid SDG No.: 5099627
Lab Sample ID: 5099627014
Lab File ID: 062514.B\5099627014.D
Instrument: 50MSS2 Percent Moisture: 5.6%

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\50MSS2.i\062514.b\5099627014.d
 Lab Smp Id: 5099627014 Client Smp ID: TMW-3 (8-9)
 Inj Date : 26-JUN-2014 01:45
 Operator : SN Inst ID: 50MSS2.i
 Smp Info : 5099627014
 Misc Info : 15575
 Comment :
 Method : \\192.168.50.6\chem\50MSS2.i\062514.b\8270c.m
 Meth Date : 26-Jun-2014 10:12 50MSS2.i Quant Type: ISTD
 Cal Date : 09-JUN-2014 14:49 Cal File: 100ppm.d
 Als bottle: 36
 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	0.00000	% Moisture
Cpnd Variable		Local Compound Variable

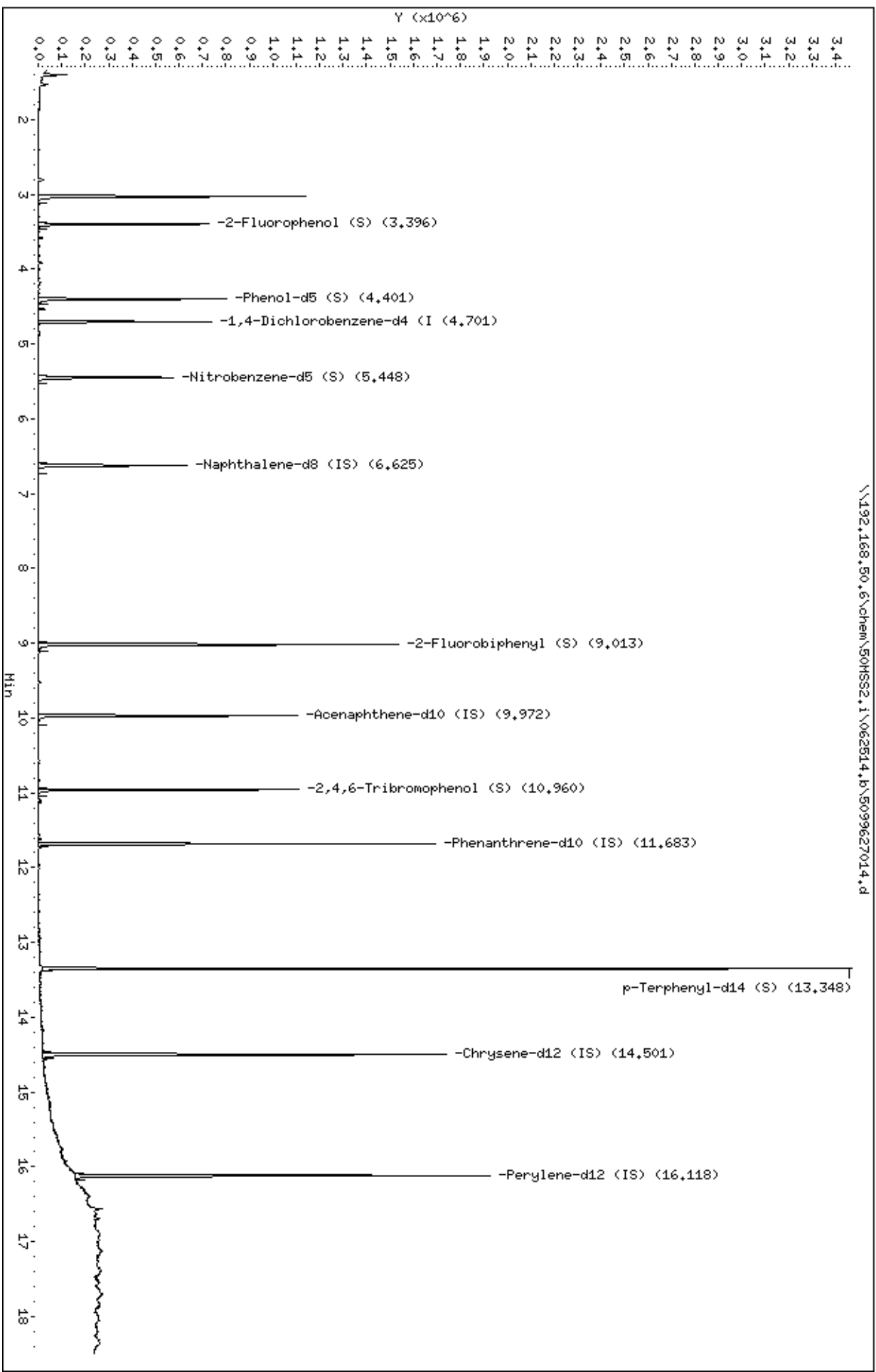
Compounds	QUANT	SIG	CONCENTRATIONS				
			ON-COLUMN	FINAL			
	MASS	RT	EXP RT	REL RT	RESPONSE	(ug/ml)	(ug/Kg)
\$ 3 2-Fluorophenol (S)	112	3.395	3.389	(0.722)	254826	67.5452	2222
\$ 6 Phenol-d5 (S)	99	4.401	4.395	(0.936)	335333	70.4014	2316
* 11 1,4-Dichlorobenzene-d4 (IS)	152	4.701	4.695	(1.000)	132624	40.0000	(Q)
\$ 23 Nitrobenzene-d5 (S)	82	5.448	5.442	(0.822)	257927	63.5248	2090
* 32 Naphthalene-d8 (IS)	136	6.624	6.618	(1.000)	530383	40.0000	
\$ 46 2-Fluorobiphenyl (S)	172	9.012	9.012	(0.904)	722330	64.9897	2138
* 53 Acenaphthene-d10 (IS)	164	9.971	9.965	(1.000)	329531	40.0000	
\$ 67 2,4,6-Tribromophenol (S)	330	10.959	10.959	(0.938)	181971	75.3209	2478
* 72 Phenanthrene-d10 (IS)	188	11.683	11.683	(1.000)	651738	40.0000	
\$ 80 p-Terphenyl-d14 (S)	244	13.347	13.347	(1.142)	1198038	89.5197	2945
* 84 Chrysene-d12 (IS)	240	14.500	14.500	(1.000)	859933	40.0000	
* 91 Perylene-d12 (IS)	264	16.118	16.118	(1.000)	813519	40.0000	

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Data File: \\192.168.50.6\chem\50HSS2.1\062514.b\5099627014.d
 Date: 26-JUN-2014 01:45
 Client ID: TMM-3 (8-9)
 Sample Info: 5099627014
 Volume Injected (uL): 1.0
 Column phase: 50um DB-5ms

Instrument: 50HSS2.1
 Operator: SN
 Column diameter: 0.25



MSSV FULL SCAN - FORM I SVOA-1
SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

P-9 (2-4)

Lab Name: Pace Analytical - Indiana
Date Received: 06/20/2014 10:42
Date Extracted: 06/25/2014 11:19
Date Analyzed: 06/26/2014 02:07
Initial wt/vol: 30.1 g Final wt/vol: 1 mL Dilution: 1

Contract: Sibley - Accucast
Matrix: Solid SDG No.: 5099627
Lab Sample ID: 5099627015
Lab File ID: 062514.B\5099627015.D
Instrument: 50MSS2 Percent Moisture: 18.7%

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.

P-9 (2-4)

Lab Name: Pace Analytical - Indiana
Date Received: 06/20/2014 10:42
Date Extracted: 06/25/2014 11:19
Date Analyzed: 06/26/2014 02:07
Initial wt/vol: 30.1 g Final wt/vol: 1 mL Dilution: 1

Contract: Sibley - Accucast
Matrix: Solid SDG No.: 5099627
Lab Sample ID: 5099627015
Lab File ID: 062514.B\5099627015.D
Instrument: 50MSS2 Percent Moisture: 18.7%

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\50MSS2.i\062514.b\5099627015.d
 Lab Smp Id: 5099627015 Client Smp ID: P-9 (2-4)
 Inj Date : 26-JUN-2014 02:07
 Operator : SN Inst ID: 50MSS2.i
 Smp Info : 5099627015
 Misc Info : 15575
 Comment :
 Method : \\192.168.50.6\chem\50MSS2.i\062514.b\8270c.m
 Meth Date : 26-Jun-2014 10:12 50MSS2.i Quant Type: ISTD
 Cal Date : 09-JUN-2014 14:49 Cal File: 100ppm.d
 Als bottle: 37
 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	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		3.395	3.389	(0.722)	251824	65.7671	2185
\$ 6 Phenol-d5 (S)	99		4.401	4.395	(0.936)	339318	70.1896	2332
* 11 1,4-Dichlorobenzene-d4 (IS)	152		4.701	4.695	(1.000)	134605	40.0000	(Q)
\$ 23 Nitrobenzene-d5 (S)	82		5.448	5.442	(0.822)	253823	61.6311	2048
* 32 Naphthalene-d8 (IS)	136		6.624	6.618	(1.000)	537981	40.0000	
\$ 46 2-Fluorobiphenyl (S)	172		9.012	9.012	(0.904)	687760	61.1303	2031
* 53 Acenaphthene-d10 (IS)	164		9.965	9.965	(1.000)	333569	40.0000	
\$ 67 2,4,6-Tribromophenol (S)	330		10.959	10.959	(0.938)	160986	66.6576	2214
* 72 Phenanthrene-d10 (IS)	188		11.683	11.683	(1.000)	651515	40.0000	
\$ 80 p-Terphenyl-d14 (S)	244		13.347	13.347	(1.142)	1194333	89.2734	2966
* 84 Chrysene-d12 (IS)	240		14.500	14.500	(1.000)	867684	40.0000	
* 91 Perylene-d12 (IS)	264		16.118	16.118	(1.000)	802402	40.0000	

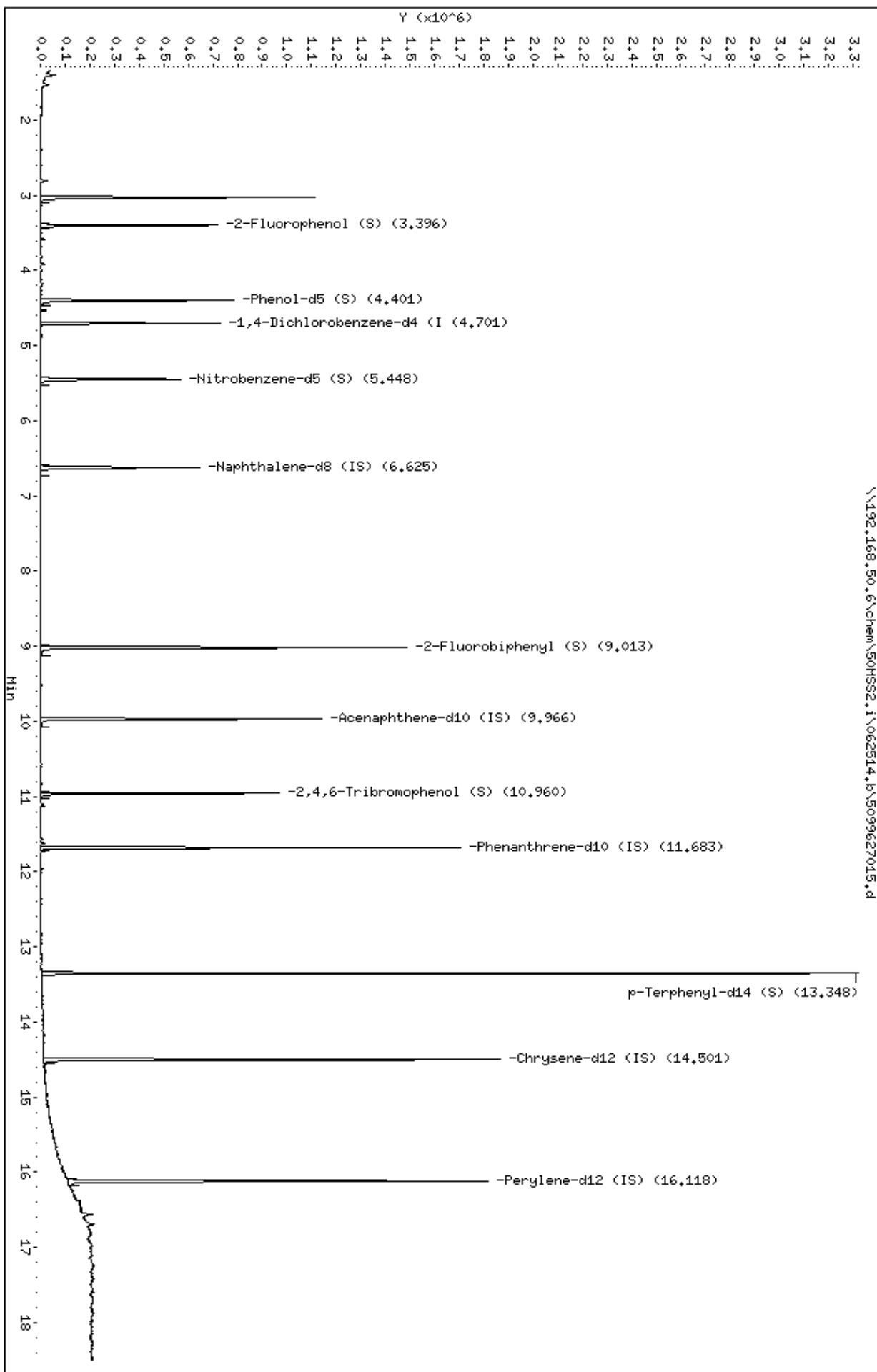
QC Flag Legend

Q - Qualifier signal failed the ratio test.

Data File: \\192.168.50.6\chem\50HSS2.1\062514.b\5099627015.d
 Date: 26-JUN-2014 02:07
 Client ID: P-9 (2-4)
 Sample Info: 5099627015
 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\062514.b\5099627015.d



MSSV FULL SCAN - FORM I SVOA-1
SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

P-3 (8-10)

Lab Name: Pace Analytical - Indiana
Date Received: 06/20/2014 10:42
Date Extracted: 06/25/2014 11:19
Date Analyzed: 06/26/2014 02:30
Initial wt/vol: 30.3 g Final wt/vol: 1 mL Dilution: 1

Contract: Sibley - Accucast
Matrix: Solid SDG No.: 5099627
Lab Sample ID: 5099627016
Lab File ID: 062514.B\5099627016.D
Instrument: 50MSS2 Percent Moisture: 13.3%

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-3 (8-10)

Lab Name: Pace Analytical - Indiana
Date Received: 06/20/2014 10:42
Date Extracted: 06/25/2014 11:19
Date Analyzed: 06/26/2014 02:30
Initial wt/vol: 30.3 g Final wt/vol: 1 mL Dilution: 1

Contract: Sibley - Accucast
Matrix: Solid SDG No.: 5099627
Lab Sample ID: 5099627016
Lab File ID: 062514.B\5099627016.D
Instrument: 50MSS2 Percent Moisture: 13.3%

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

Pace Analytical Services, Inc.

Semivolatile REPORT SW-846 Method 8270/EPA 625

Data file : \\192.168.50.6\chem\50MSS2.i\062514.b\5099627016.d
 Lab Smp Id: 5099627016 Client Smp ID: P-3 (8-10)
 Inj Date : 26-JUN-2014 02:30
 Operator : SN Inst ID: 50MSS2.i
 Smp Info : 5099627016
 Misc Info : 15575
 Comment :
 Method : \\192.168.50.6\chem\50MSS2.i\062514.b\8270c.m
 Meth Date : 26-Jun-2014 10:12 50MSS2.i Quant Type: ISTD
 Cal Date : 09-JUN-2014 14:49 Cal File: 100ppm.d
 Als bottle: 38
 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	0.00000	% Moisture
Cpnd Variable		Local Compound Variable

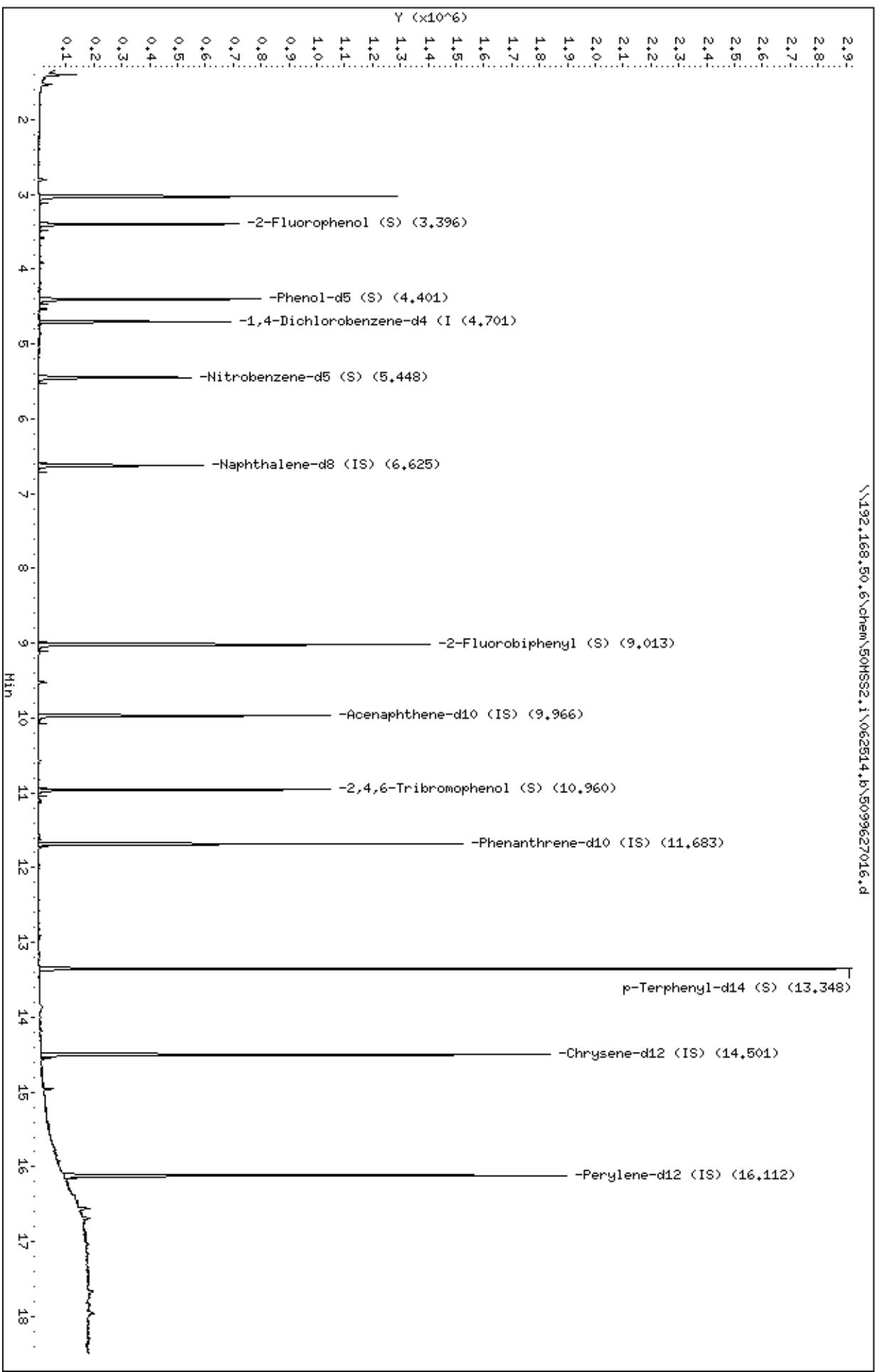
Compounds	QUANT	SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
							ON-COLUMN	FINAL
	MASS						(ug/ml)	(ug/Kg)
\$ 3 2-Fluorophenol (S)	112		3.395	3.389 (0.722)		248156	68.9713	2276
\$ 6 Phenol-d5 (S)	99		4.401	4.395 (0.936)		329470	72.5294	2394
* 11 1,4-Dichlorobenzene-d4 (IS)	152		4.701	4.695 (1.000)		126482	40.0000	(Q)
\$ 23 Nitrobenzene-d5 (S)	82		5.448	5.442 (0.822)		250861	65.4964	2162
* 32 Naphthalene-d8 (IS)	136		6.624	6.618 (1.000)		500324	40.0000	
\$ 46 2-Fluorobiphenyl (S)	172		9.012	9.012 (0.904)		673740	65.0257	2146
* 53 Acenaphthene-d10 (IS)	164		9.965	9.965 (1.000)		307194	40.0000	
\$ 67 2,4,6-Tribromophenol (S)	330		10.959	10.959 (0.938)		171937	76.4753	2524
* 72 Phenanthrene-d10 (IS)	188		11.683	11.683 (1.000)		606505	40.0000	
\$ 80 p-Terphenyl-d14 (S)	244		13.353	13.347 (1.143)		1105408	88.7584	2929
* 84 Chrysene-d12 (IS)	240		14.500	14.500 (1.000)		853378	40.0000	
* 91 Perylene-d12 (IS)	264		16.112	16.118 (1.000)		790866	40.0000	

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Data File: \\192.168.50.6\chem\50HSS2.1\062514.b\5099627016.d
 Date: 26-JUN-2014 02:30
 Client ID: P-3 (8-10)
 Sample Info: 5099627016
 Volume Injected (uL): 1.0
 Column phase: 50um DB-5ms

Instrument: 50HSS2.1
 Operator: SN
 Column diameter: 0.25



MSSV FULL SCAN - FORM I SVOA-1
SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

P-9 (13-15)

Lab Name: Pace Analytical - Indiana
Date Received: 06/20/2014 10:42
Date Extracted: 06/25/2014 11:19
Date Analyzed: 06/26/2014 02:53
Initial wt/vol: 30.4 g Final wt/vol: 1 mL Dilution: 1

Contract: Sibley - Accucast
Matrix: Solid SDG No.: 5099627
Lab Sample ID: 5099627017
Lab File ID: 062514.B\5099627017.D
Instrument: 50MSS2 Percent Moisture: 14.8%

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

07/17/2014 9:26

MSSV FULL SCAN - FORM I SVOA-2
SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

P-9 (13-15)

Lab Name: Pace Analytical - Indiana
Date Received: 06/20/2014 10:42
Date Extracted: 06/25/2014 11:19
Date Analyzed: 06/26/2014 02:53
Initial wt/vol: 30.4 g Final wt/vol: 1 mL Dilution: 1

Contract: Sibley - Accucast
Matrix: Solid SDG No.: 5099627
Lab Sample ID: 5099627017
Lab File ID: 062514.B\5099627017.D
Instrument: 50MSS2 Percent Moisture: 14.8%

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

Pace Analytical Services, Inc.

Semivolatile REPORT SW-846 Method 8270/EPA 625

Data file : \\192.168.50.6\chem\50MSS2.i\062514.b\5099627017.d
 Lab Smp Id: 5099627017 Client Smp ID: P-9 (13-15)
 Inj Date : 26-JUN-2014 02:53
 Operator : SN Inst ID: 50MSS2.i
 Smp Info : 5099627017
 Misc Info : 15575
 Comment :
 Method : \\192.168.50.6\chem\50MSS2.i\062514.b\8270c.m
 Meth Date : 26-Jun-2014 10:12 50MSS2.i Quant Type: ISTD
 Cal Date : 09-JUN-2014 14:49 Cal File: 100ppm.d
 Als bottle: 39
 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	0.00000	% 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	3.395	3.389	(0.722)	218222	64.4878	2121
\$ 6 Phenol-d5 (S)	99	4.401	4.395	(0.936)	285829	66.9021	2201
* 11 1,4-Dichlorobenzene-d4 (IS)	152	4.701	4.695	(1.000)	118958	40.0000	(Q)
\$ 23 Nitrobenzene-d5 (S)	82	5.448	5.442	(0.822)	218376	59.3510	1952
* 32 Naphthalene-d8 (IS)	136	6.624	6.618	(1.000)	480632	40.0000	
\$ 46 2-Fluorobiphenyl (S)	172	9.012	9.012	(0.904)	592440	60.3986	1987
* 53 Acenaphthene-d10 (IS)	164	9.965	9.965	(1.000)	290819	40.0000	
\$ 67 2,4,6-Tribromophenol (S)	330	10.959	10.959	(0.938)	153362	71.5530	2354
* 72 Phenanthrene-d10 (IS)	188	11.683	11.683	(1.000)	578197	40.0000	
\$ 80 p-Terphenyl-d14 (S)	244	13.347	13.347	(1.142)	1007266	84.8378	2791
* 84 Chrysene-d12 (IS)	240	14.494	14.500	(1.000)	813467	40.0000	
* 91 Perylene-d12 (IS)	264	16.112	16.118	(1.000)	766955	40.0000	

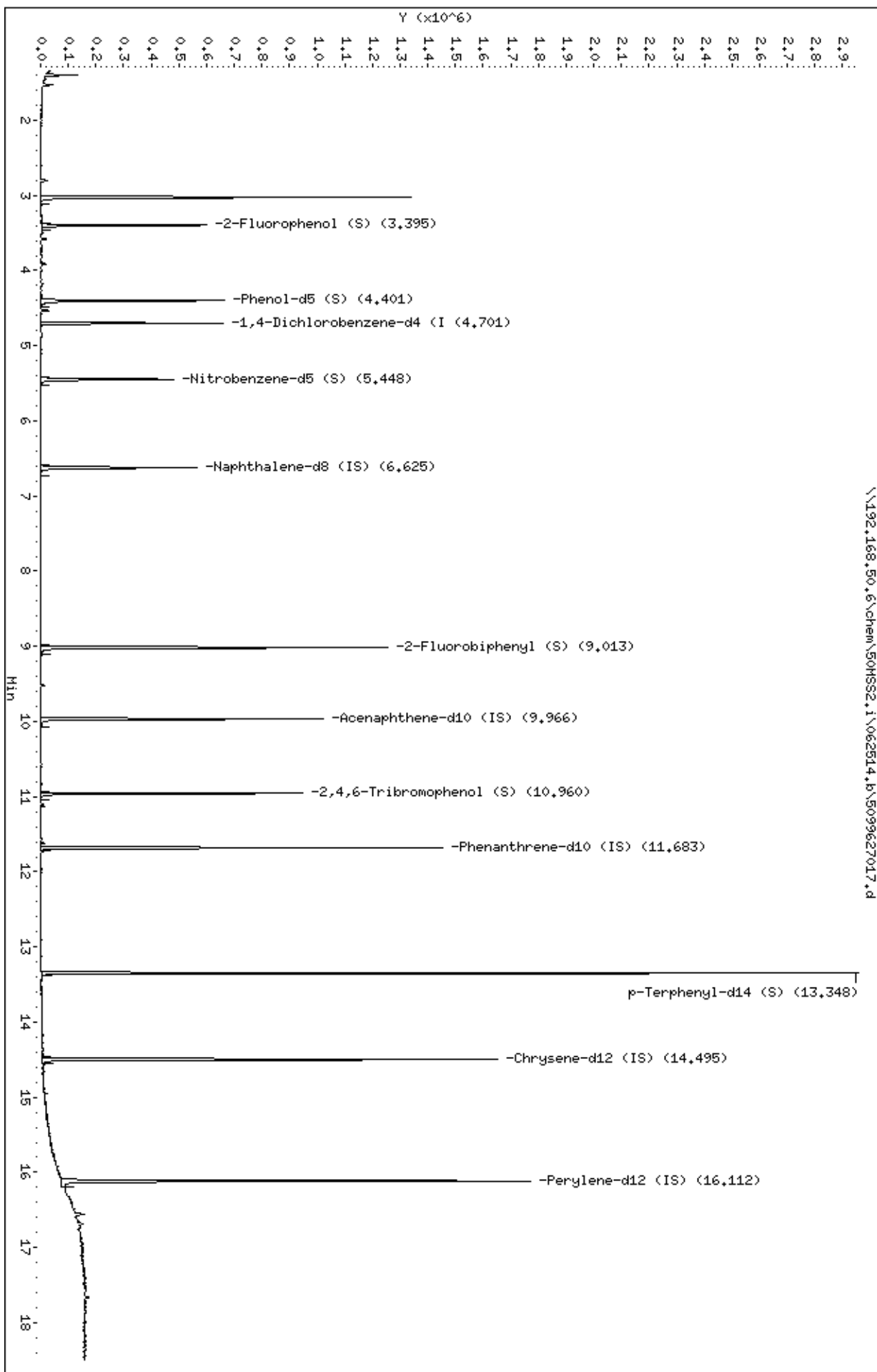
QC Flag Legend

Q - Qualifier signal failed the ratio test.

Data File: \\192.168.50.6\chem\50HSS2.1\062514.b\5099627017.d
Date: 26-JUN-2014 02:53
Client ID: P-9 (13-15)
Sample Info: 5099627017
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\062514.b\5099627017.d



MSSV FULL SCAN - FORM I SVOA-1
SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

Surf-Dupe

Lab Name: Pace Analytical - Indiana
Date Received: 06/20/2014 10:42
Date Extracted: 06/25/2014 11:19
Date Analyzed: 06/26/2014 03:15
Initial wt/vol: 30 g Final wt/vol: 1 mL Dilution: 1

Contract: Sibley - Accucast
Matrix: Solid SDG No.: 5099627
Lab Sample ID: 5099627018
Lab File ID: 062514.B\5099627018.D
Instrument: 50MSS2 Percent Moisture: 18.0%

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.

Surf-Dupe

Lab Name: Pace Analytical - Indiana
Date Received: 06/20/2014 10:42
Date Extracted: 06/25/2014 11:19
Date Analyzed: 06/26/2014 03:15
Initial wt/vol: 30 g Final wt/vol: 1 mL Dilution: 1

Contract: Sibley - Accucast
Matrix: Solid SDG No.: 5099627
Lab Sample ID: 5099627018
Lab File ID: 062514.B\5099627018.D
Instrument: 50MSS2 Percent Moisture: 18.0%

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\50MSS2.i\062514.b\5099627018.d
 Lab Smp Id: 5099627018 Client Smp ID: Surf-Dupe
 Inj Date : 26-JUN-2014 03:15
 Operator : SN Inst ID: 50MSS2.i
 Smp Info : 5099627018
 Misc Info : 15575
 Comment :
 Method : \\192.168.50.6\chem\50MSS2.i\062514.b\8270c.m
 Meth Date : 26-Jun-2014 10:12 50MSS2.i Quant Type: ISTD
 Cal Date : 09-JUN-2014 14:49 Cal File: 100ppm.d
 Als bottle: 40
 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

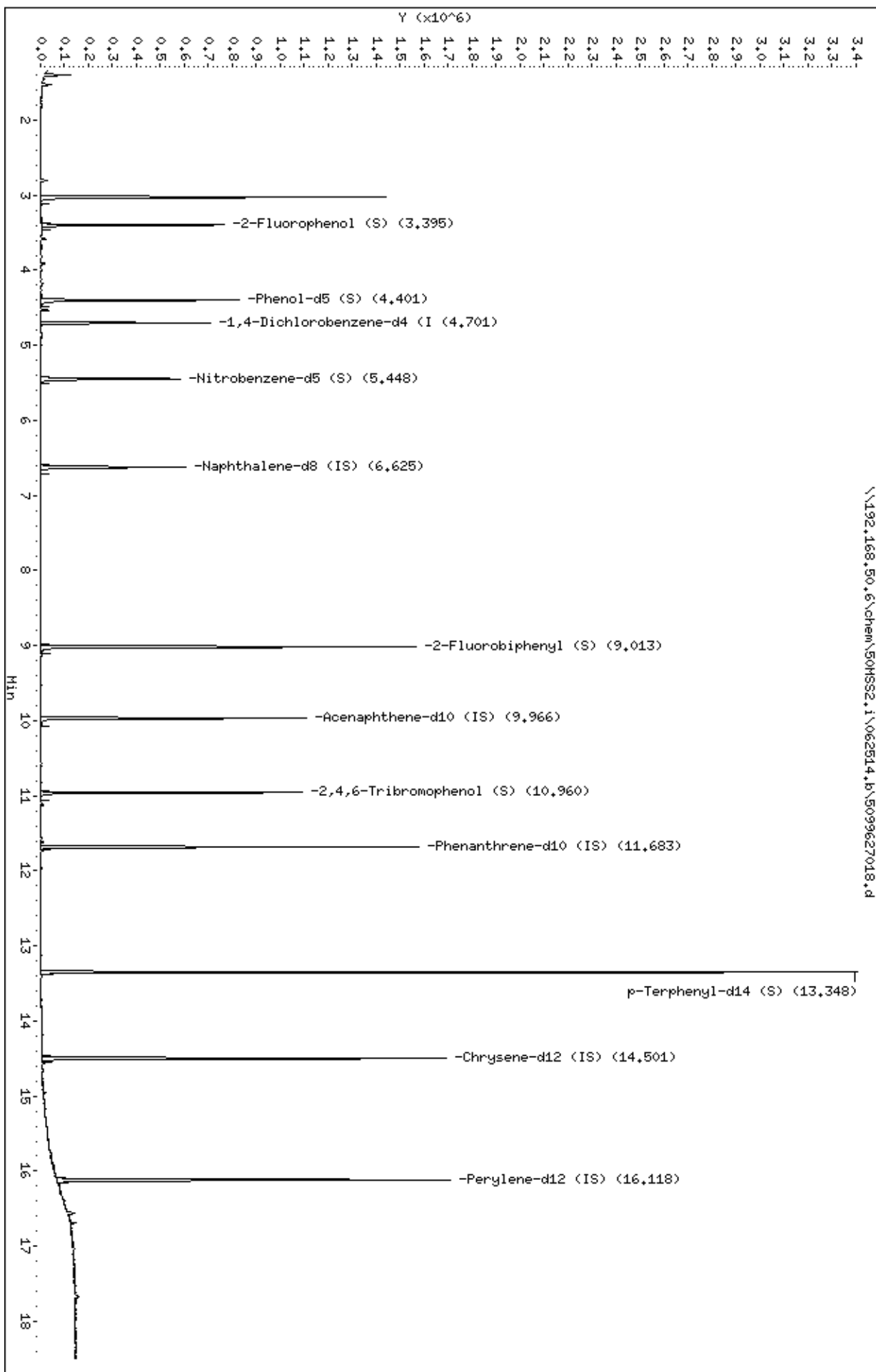
Compounds	QUANT	SIG	CONCENTRATIONS				ON-COLUMN	FINAL
			MASS	RT	EXP RT	REL RT	RESPONSE	(ug/ml)
\$ 3 2-Fluorophenol (S)	112		3.395	3.389	(0.722)	267404	72.8862	2430
\$ 6 Phenol-d5 (S)	99		4.401	4.395	(0.936)	353791	76.3798	2546
* 11 1,4-Dichlorobenzene-d4 (IS)	152		4.701	4.695	(1.000)	128972	40.0000	(Q)
\$ 23 Nitrobenzene-d5 (S)	82		5.448	5.442	(0.822)	268949	67.5773	2252
* 32 Naphthalene-d8 (IS)	136		6.624	6.618	(1.000)	519882	40.0000	
\$ 46 2-Fluorobiphenyl (S)	172		9.012	9.012	(0.904)	739145	68.2930	2276
* 53 Acenaphthene-d10 (IS)	164		9.965	9.965	(1.000)	320892	40.0000	
\$ 67 2,4,6-Tribromophenol (S)	330		10.959	10.959	(0.938)	183144	78.3611	2612
* 72 Phenanthrene-d10 (IS)	188		11.683	11.683	(1.000)	630490	40.0000	
\$ 80 p-Terphenyl-d14 (S)	244		13.347	13.347	(1.142)	1158075	89.4499	2982
* 84 Chrysene-d12 (IS)	240		14.500	14.500	(1.000)	842568	40.0000	
* 91 Perylene-d12 (IS)	264		16.118	16.118	(1.000)	771725	40.0000	

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Data File: \\192.168.50.6\chem\50HSS2.1\062514.b\5099627018.d
 Date: 26-JUN-2014 03:15
 Client ID: Surf-Dupe
 Sample Info: 5099627018
 Volume Injected (uL): 1.0
 Column phase: 50um DB-5ms

Instrument: 50HSS2.1
 Operator: SN
 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\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

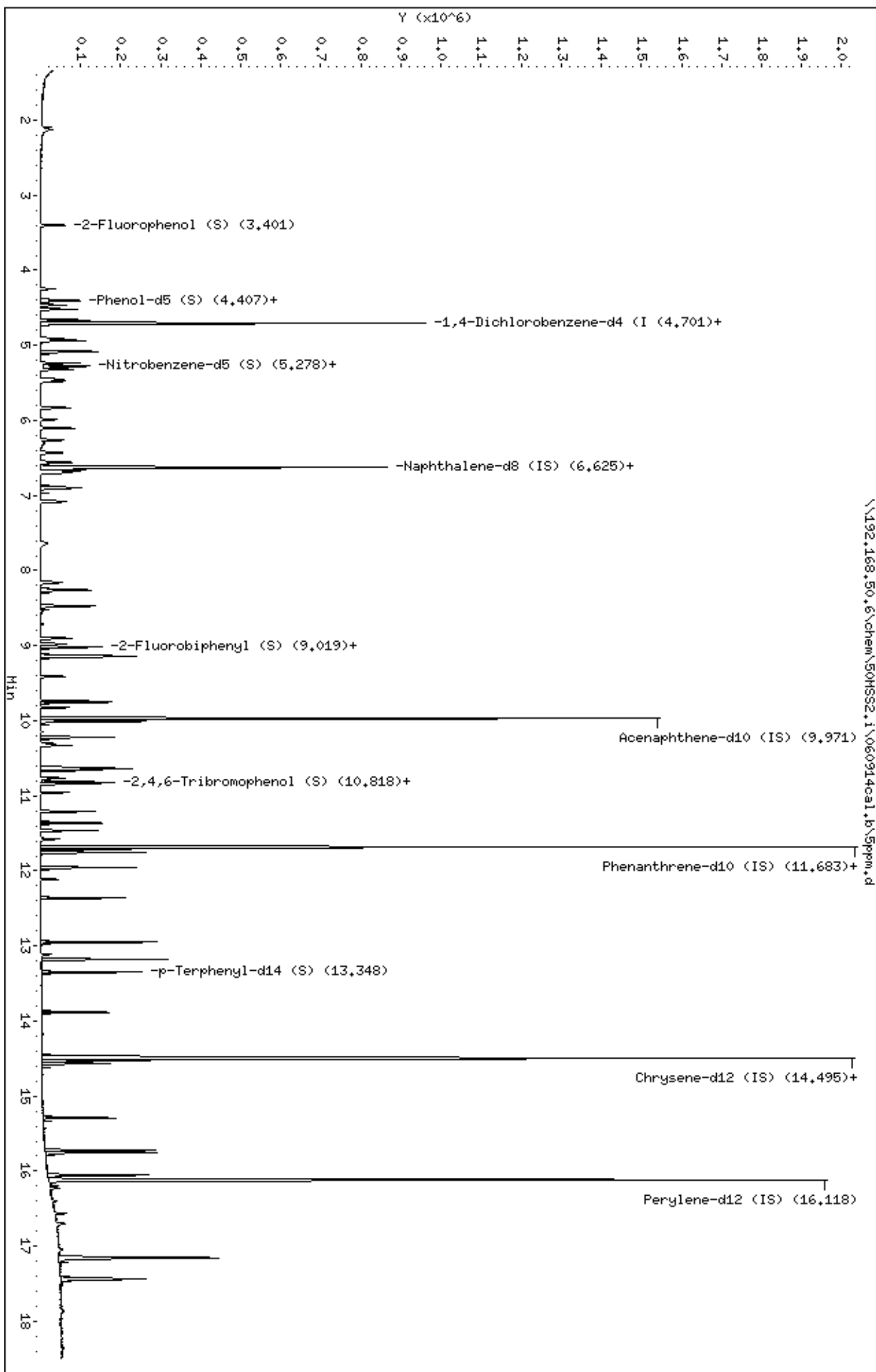
Compounds	QUANT SIG		AMOUNTS				
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/ml)	ON-COL (ug/ml)
\$ 80 p-Terphenyl-d14 (S)	244	13.347	13.353	(1.142)	80812	5.00000	5.14
81 Butylbenzylphthalate	149	13.882	13.888	(0.958)	49099	5.00000	4.93
82 Benzo(a)anthracene	228	14.471	14.482	(0.998)	127550	5.00000	5.29
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	

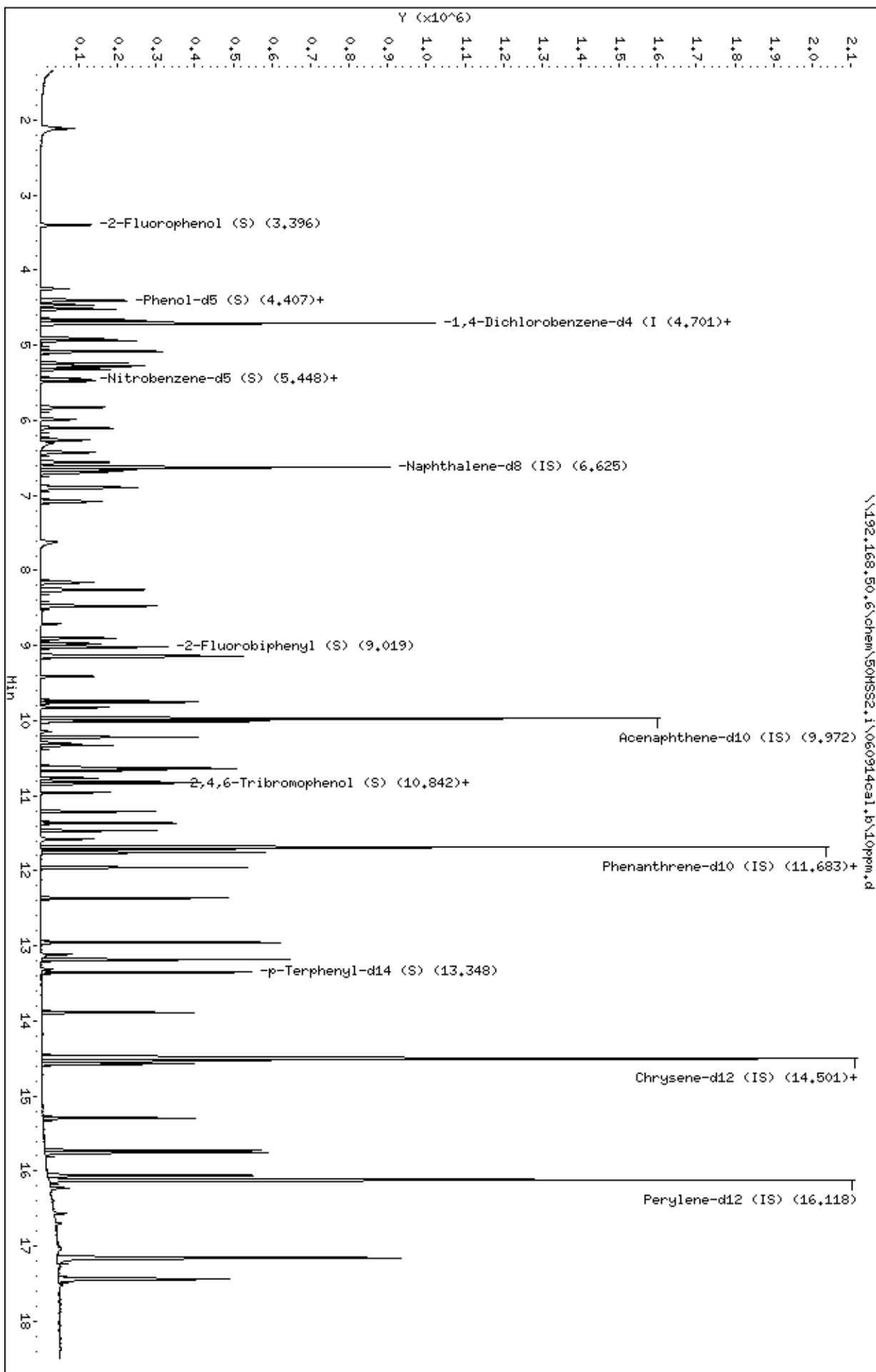
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS	
						CAL-AMT (ug/ml)	ON-COL (ug/ml)
79 Pyrene	202	13.177	13.183	(1.128)	284692	10.0000	11.20
\$ 80 p-Terphenyl-d14 (S)	244	13.347	13.353	(1.142)	177111	10.0000	10.86
81 Butylbenzylphthalate	149	13.883	13.888	(0.957)	109107	10.0000	10.68
82 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				CAL-AMT (ug/ml)	ON-COL (ug/ml)
			MASS	RT	EXP RT	REL RT		
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	MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS	
								CAL-AMT	ON-COL
								(ug/ml)	(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

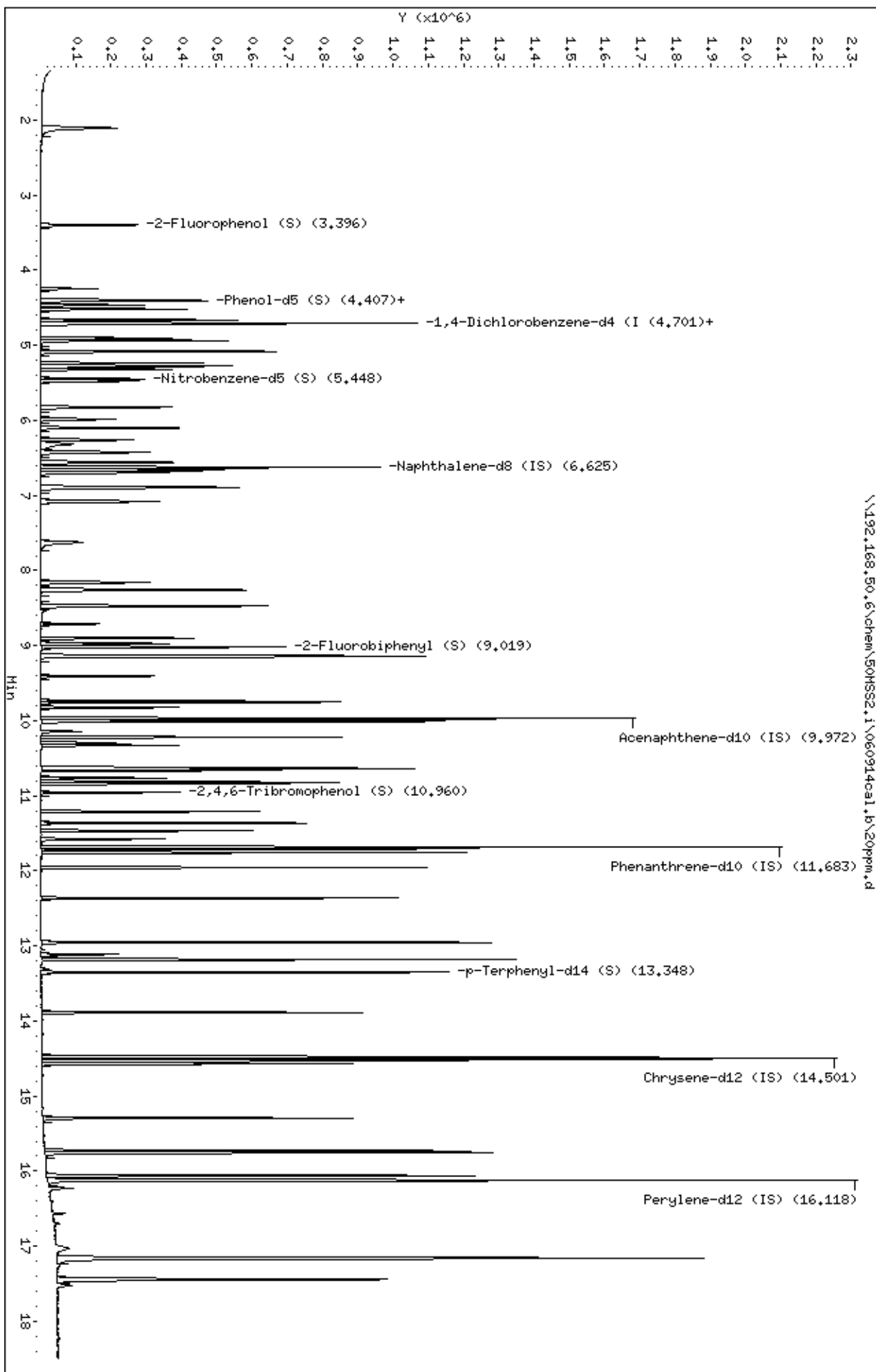
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS	
						CAL-AMT (ug/ml)	ON-COL (ug/ml)
79 Pyrene	202	13.177	13.183	(1.128)	589013	20.0000	22.12
\$ 80 p-Terphenyl-d14 (S)	244	13.347	13.353	(1.142)	363359	20.0000	21.26
81 Butylbenzylphthalate	149	13.883	13.888	(0.957)	231199	20.0000	21.25
82 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	RT	EXP RT	REL RT	RESPONSE	AMOUNTS	
							CAL-AMT (ug/ml)	ON-COL (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	MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS	
								CAL-AMT	ON-COL
								(ug/ml)	(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

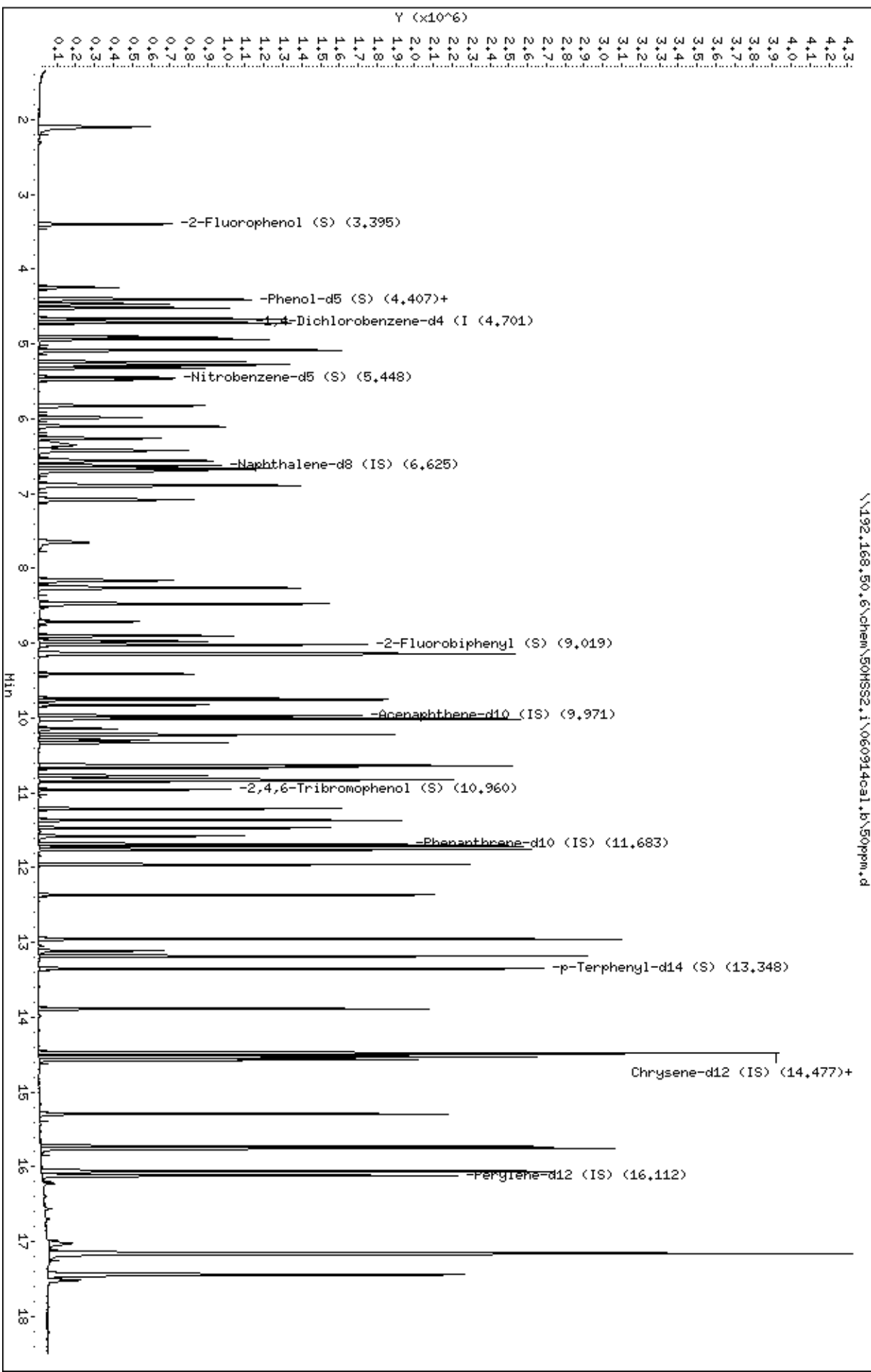
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS	
						CAL-AMT (ug/ml)	ON-COL (ug/ml)
79 Pyrene	202	13.183	13.183	(1.128)	1350276	50.0000	51.15
\$ 80 p-Terphenyl-d14 (S)	244	13.347	13.353	(1.142)	859433	50.0000	50.72
81 Butylbenzylphthalate	149	13.882	13.888	(0.957)	549699	50.0000	50.03
82 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



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 (ug/ml)	ON-COL (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

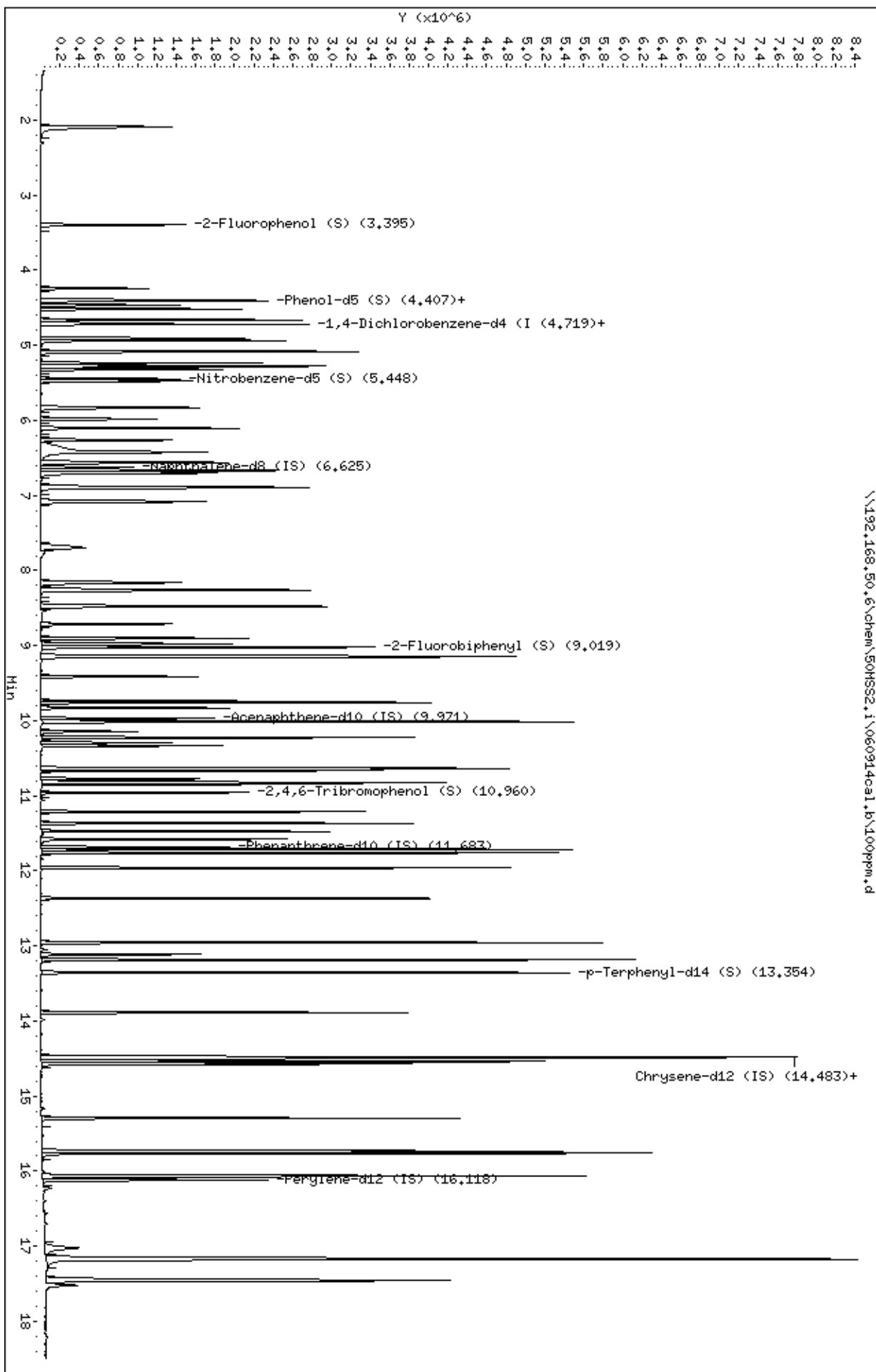
Compounds	QUANT SIG		AMOUNTS				
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/ml)	ON-COL (ug/ml)
\$ 23 Nitrobenzene-d5 (S)	82	5.448	5.448	(0.822)	601851	100.000	103.0
24 Nitrobenzene	77	5.477	5.477	(0.827)	598669	100.000	102.3
25 Isophorone	82	5.830	5.830	(0.880)	1126743	100.000	101.2
26 2-Nitrophenol	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	40.00000	
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	40.00000	
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	40.00000	
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.

\\192.168.50.6\chem\50HSS2.1\060914ca1.b\100ppm.d



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 MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS	
						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

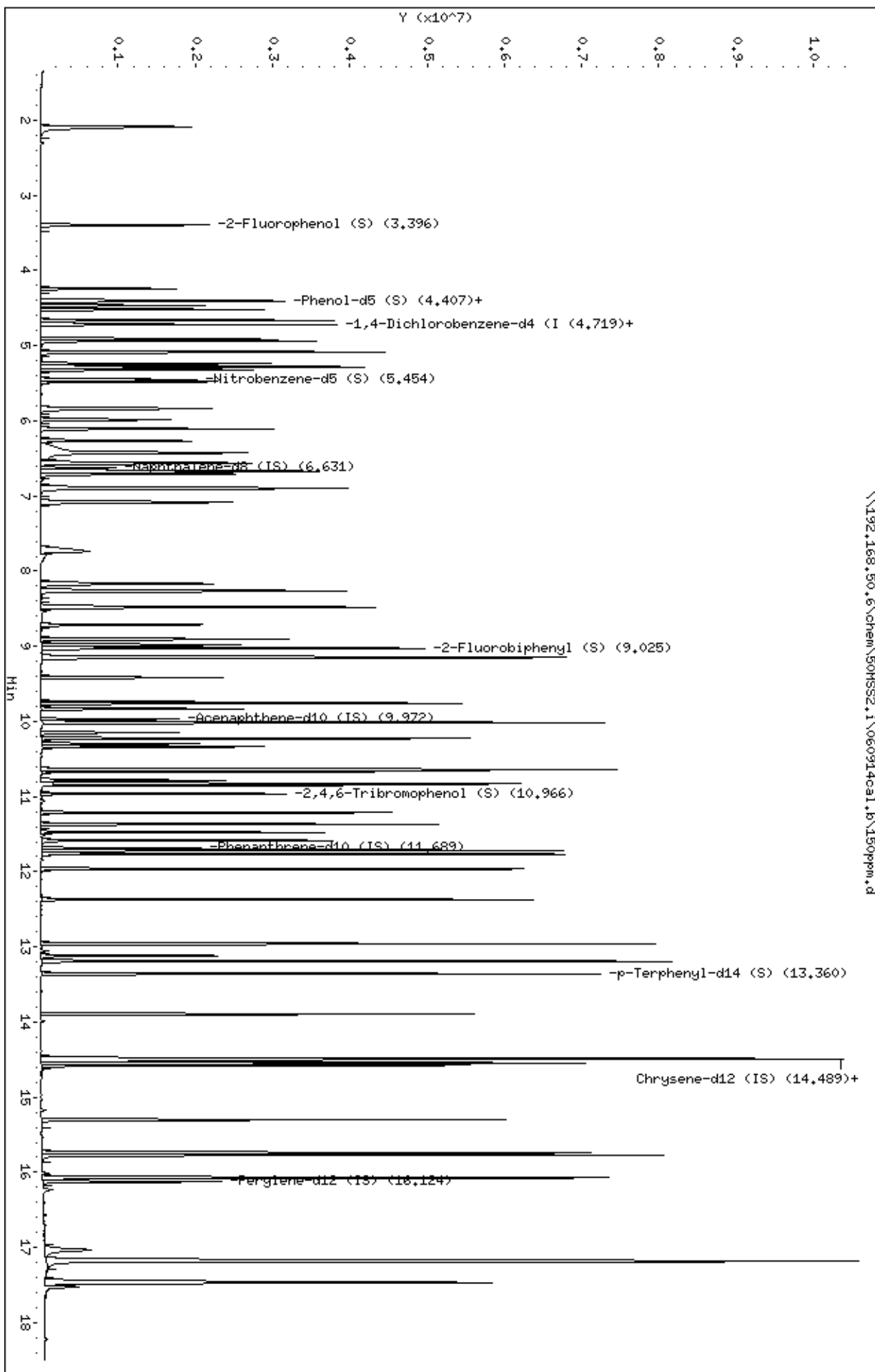
QC Flag Legend

- 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

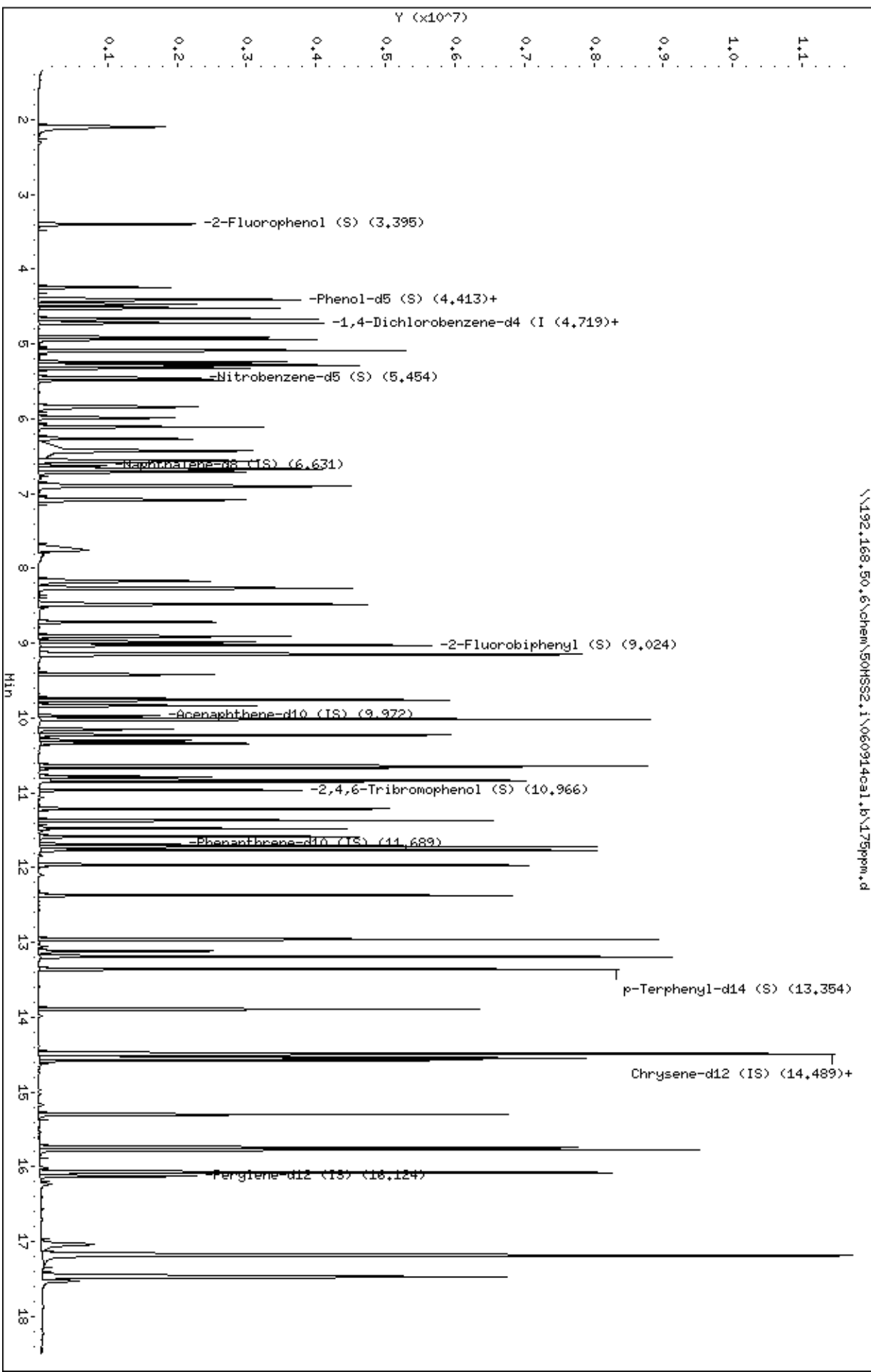
Compounds	QUANT	SIG						AMOUNTS	
			MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/ml)	ON-COL (ug/ml)
=====									
\$ 23 Nitrobenzene-d5 (S)	82		5.454	5.448	(0.823)	1036218	175.000	177.8	
24 Nitrobenzene	77		5.483	5.477	(0.827)	1024356	175.000	175.5	
25 Isophorone	82		5.836	5.830	(0.880)	1929495	175.000	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

\\192.168.50.6\chem\50HSS2.1\060914ca1.b\175ppm.d



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

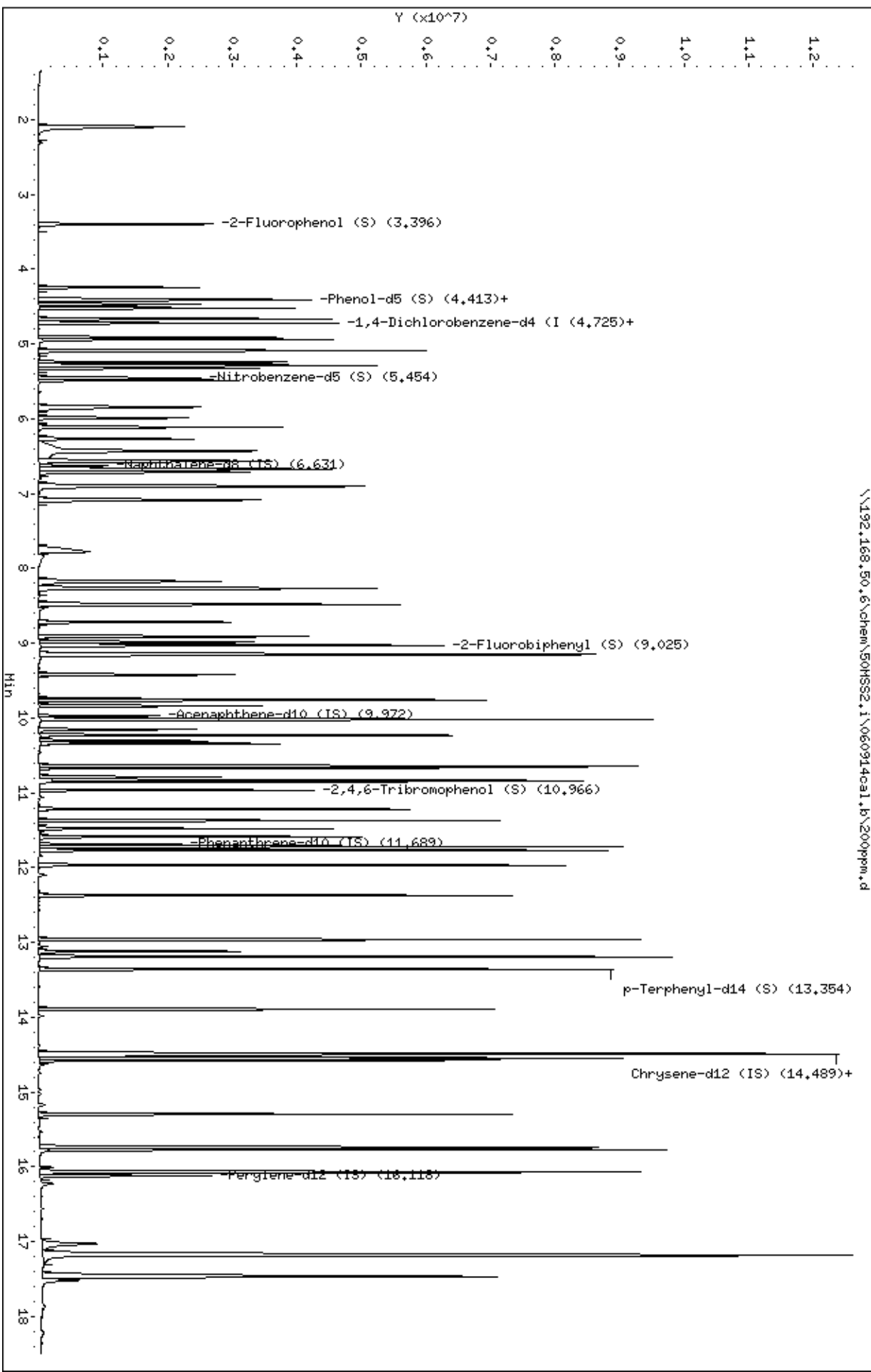
Compounds	QUANT	SIG	AMOUNTS					CAL-AMT (ug/ml)	ON-COL (ug/ml)
			MASS	RT	EXP RT	REL RT	RESPONSE		
1 N-Nitrosodimethylamine	42		2.089	2.083	(0.444)	436256	200.000	183.7	
2 Pyridine	79		2.089	2.089	(0.444)	1174877	200.000	190.5	
\$ 3 2-Fluorophenol (S)	112		3.395	3.395	(0.722)	1067318	200.000	185.5	
5 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						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)	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



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	MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
								ON-COLUMN (ug/ml)	FINAL (ug/L)
§ 23 Nitrobenzene-d5 (S)	82		82	5.448	5.448	(0.822)	618620	107.926	107.9
24 Nitrobenzene	77		77	5.477	5.477	(0.826)	600656	104.664	104.7
25 Isophorone	82		82	5.830	5.830	(0.879)	1112508	101.888	101.9
26 2-Nitrophenol	139		139	5.983	5.983	(0.902)	367975	105.792	105.8
27 2,4-Dimethylphenol	122		122	6.101	6.101	(0.920)	584360	106.047	106.0
28 Benzoic Acid	122		122	6.413	6.395	(0.967)	362911	115.970	116.0
29 bis(2-Chloroethoxy)methane	93		93	6.260	6.259	(0.944)	724897	107.486	107.5
30 2,4-Dichlorophenol	162		162	6.418	6.418	(0.968)	588418	104.074	104.1
31 1,2,4-Trichlorobenzene	180		180	6.560	6.559	(0.989)	637741	103.258	103.2
* 32 Naphthalene-d8 (IS)	136		136	6.630	6.624	(1.000)	748745	40.0000	
33 Naphthalene	128		128	6.665	6.665	(1.005)	1945656	100.789	100.8
35 4-Chloroaniline	127		127	6.889	6.895	(1.039)	837565	110.776	110.8
36 Hexachlorobutadiene	225		225	7.077	7.077	(1.067)	425762	113.206	113.2
38 4-Chloro-3-methylphenol	107		107	8.148	8.159	(1.229)	538570	103.306	103.3
39 2-Methylnaphthalene	142		142	8.260	8.259	(1.246)	1303762	98.3029	98.30
41 1-Methylnaphthalene	142		142	8.471	8.477	(1.278)	1245003	95.4546	95.45
43 Hexachlorocyclopentadiene	237		237	8.712	8.712	(0.874)	310308	97.0585	97.06
44 2,4,6-Trichlorophenol	196		196	8.901	8.906	(0.893)	449657	104.470	104.5
45 2,4,5-Trichlorophenol	196		196	8.965	8.977	(0.899)	465594	101.822	101.8
§ 46 2-Fluorobiphenyl (S)	172		172	9.018	9.018	(0.904)	1538590	105.011	105.0
47 2-Chloronaphthalene	162		162	9.136	9.136	(0.916)	1268080	104.909	104.9
49 2-Nitroaniline	65		65	9.412	9.412	(0.944)	316929	107.408	107.4
50 Dimethylphthalate	163		163	9.748	9.742	(0.978)	1403040	99.6179	99.62
51 Acenaphthylene	152		152	9.759	9.759	(0.979)	2006665	96.7941	96.79
52 2,6-Dinitrotoluene	165		165	9.830	9.830	(0.986)	343233	112.575	112.6
54 3-Nitroaniline	138		138	10.012	10.006	(1.004)	369752	111.162	111.2
* 53 Acenaphthene-d10 (IS)	164		164	9.971	9.971	(1.000)	434405	40.0000	
55 Acenaphthene	153		153	10.012	10.012	(1.004)	1299659	100.815	100.8
56 2,4-Dinitrophenol	184		184	10.148	10.147	(1.018)	211230	105.760	105.8
58 4-Nitrophenol	109		109	10.295	10.294	(1.032)	174300	105.649	105.6
57 Dibenzofuran	168		168	10.224	10.224	(1.025)	1836627	101.100	101.1
59 2,4-Dinitrotoluene	165		165	10.336	10.336	(1.037)	468473	110.952	111.0
60 Diethylphthalate	149		149	10.636	10.630	(1.067)	1377382	100.321	100.3
61 Fluorene	166		166	10.648	10.647	(1.068)	1478292	102.171	102.2
62 4-Chlorophenyl-phenylether	204		204	10.665	10.665	(1.070)	739821	103.753	103.8
63 4-Nitroaniline	138		138	10.777	10.777	(1.081)	384091	110.283	110.3
64 4,6-Dinitro-2-methylphenol	198		198	10.818	10.812	(0.926)	291909	107.920	107.9 (QM)
65 N-Nitrosodiphenylamine	169		169	10.830	10.830	(0.927)	1242129	118.994	119.0
66 1,2-Diphenylhydrazine	77		77	10.848	10.847	(0.928)	1379137	103.215	103.2
§ 67 2,4,6-Tribromophenol (S)	330		330	10.959	10.959	(0.938)	324655	107.092	107.1
68 4-Bromophenyl-phenylether	248		248	11.212	11.212	(0.960)	507924	105.273	105.3
69 Hexachlorobenzene	284		284	11.365	11.365	(0.973)	603286	104.664	104.7
71 Pentachlorophenol	266		266	11.577	11.577	(0.991)	403734	118.044	118.0
* 72 Phenanthrene-d10 (IS)	188		188	11.683	11.683	(1.000)	817808	40.0000	
73 Phenanthrene	178		178	11.712	11.712	(1.003)	2169593	98.8782	98.88
74 Anthracene	178		178	11.759	11.759	(1.007)	2242676	101.605	101.6
75 Carbazole	167		167	11.959	11.959	(1.024)	2088841	100.414	100.4
76 Di-n-butylphthalate	149		149	12.365	12.371	(1.058)	2322340	99.2677	99.27
77 Fluoranthene	202		202	12.953	12.953	(1.109)	2463699	98.6095	98.61
78 Benzidine	184		184	13.112	13.112	(1.122)	1335697	232.513	232.5 (R)
79 Pyrene	202		202	13.183	13.183	(1.128)	2574715	98.4031	98.40
§ 80 p-Terphenyl-d14 (S)	244		244	13.347	13.353	(1.142)	1836031	109.333	109.3
81 Butylbenzylphthalate	149		149	13.883	13.888	(0.957)	1110123	105.072	105.1
82 Benzo(a)anthracene	228		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

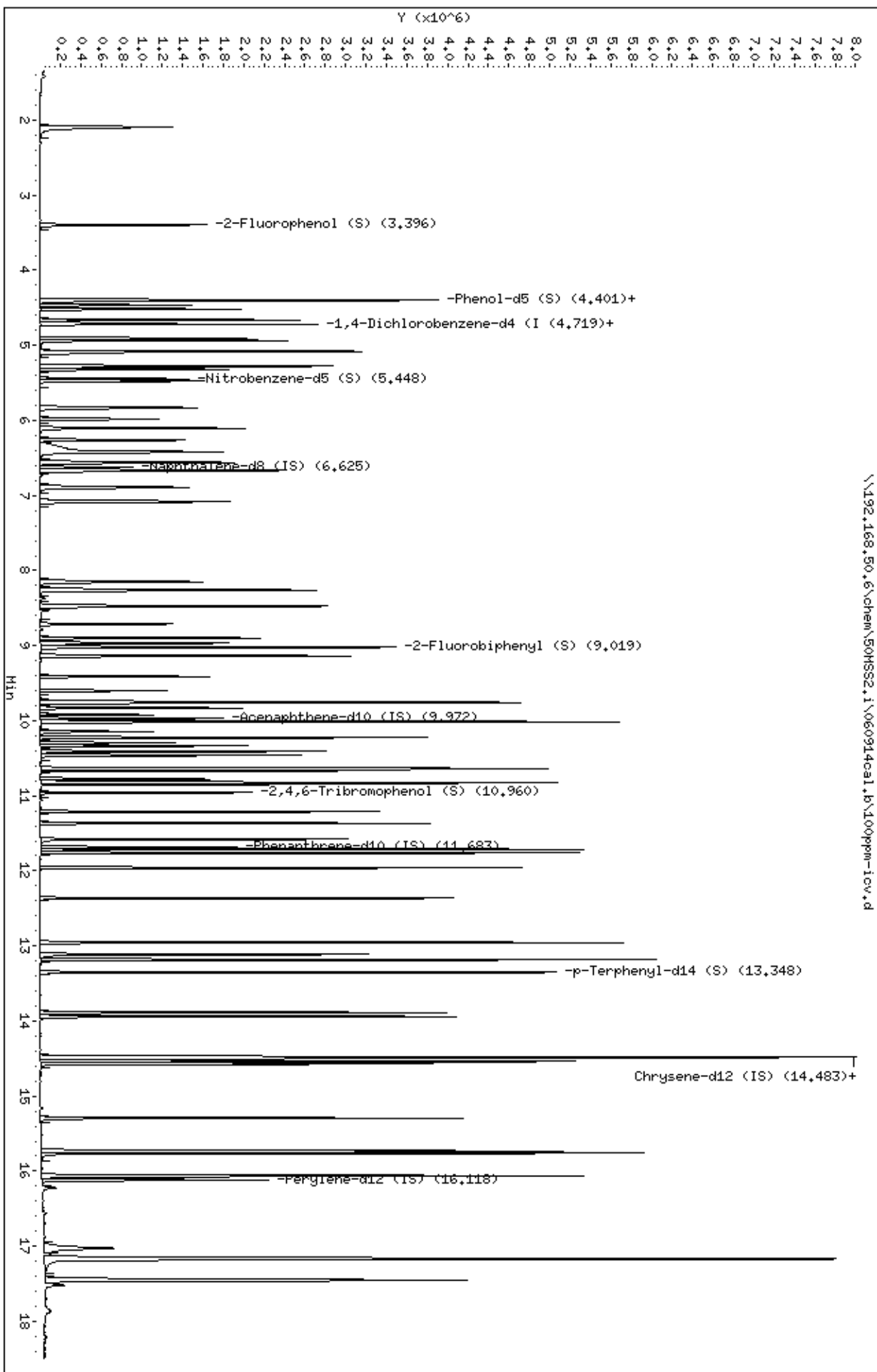
QC Flag Legend

- Q - Qualifier signal failed the ratio test.
- R - Spike/Surrogate failed recovery limits.
- M - Compound response manually integrated.

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 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

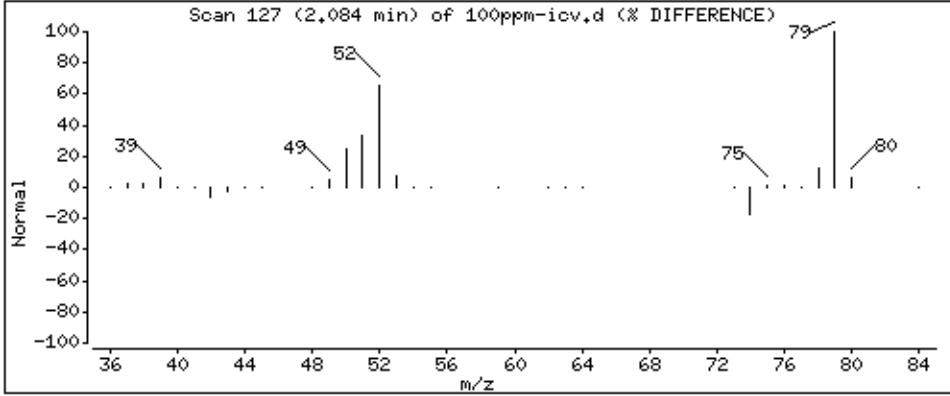
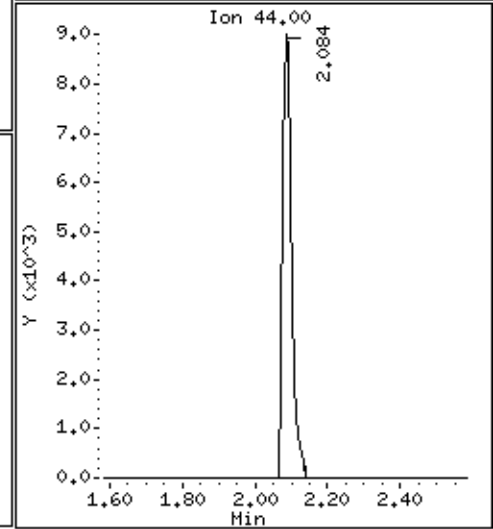
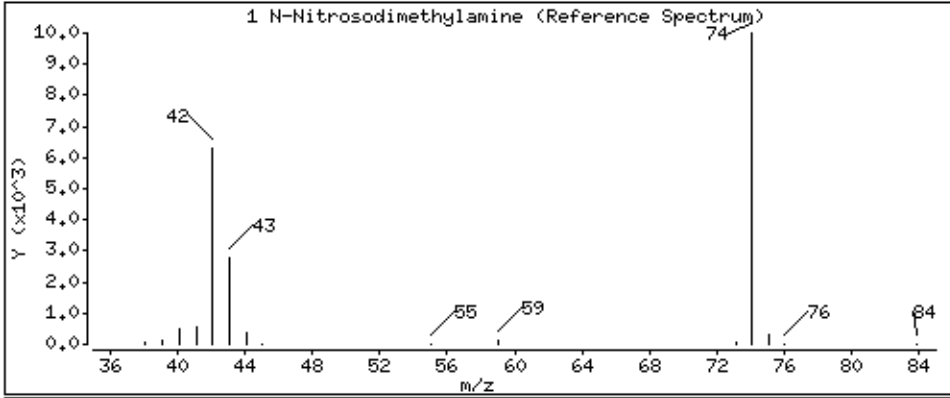
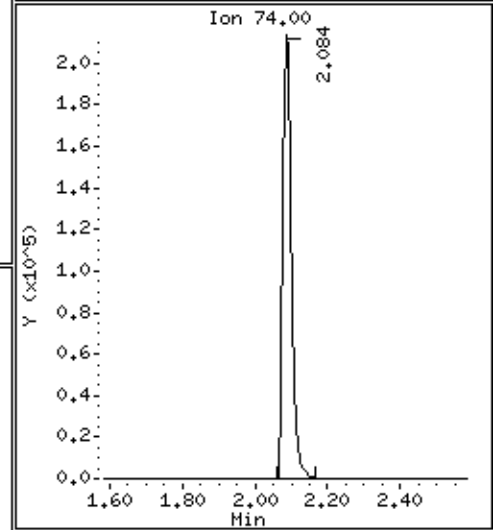
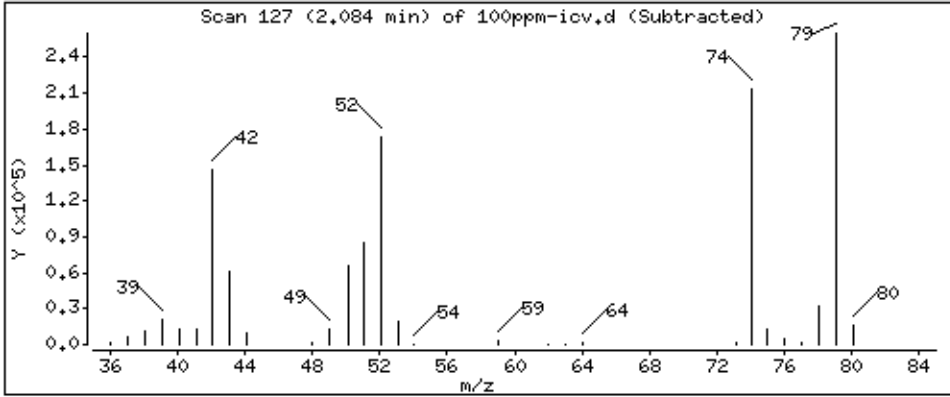
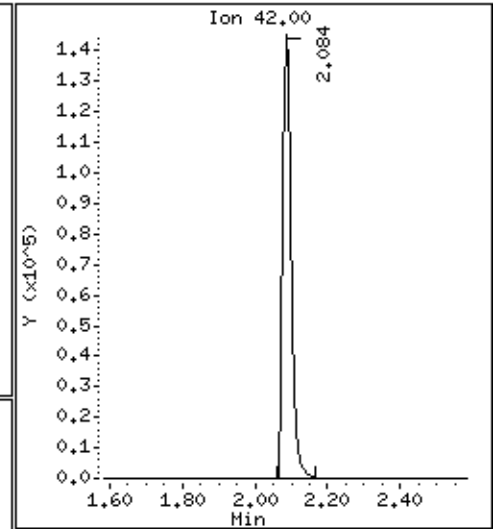
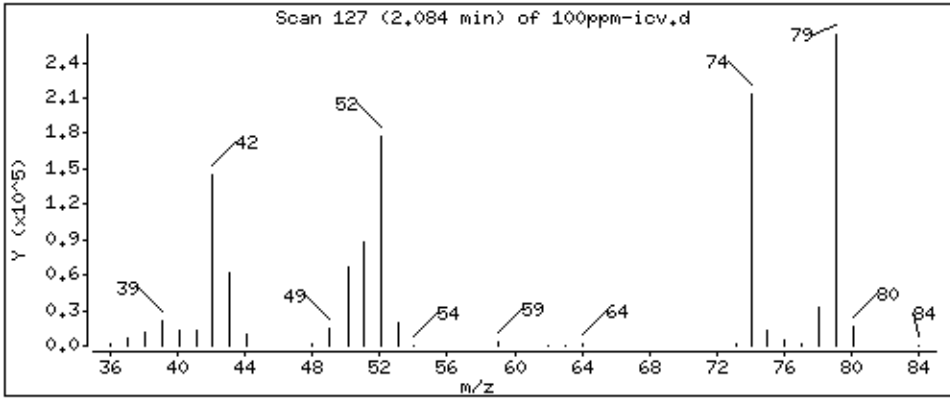
Operator: CEM

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

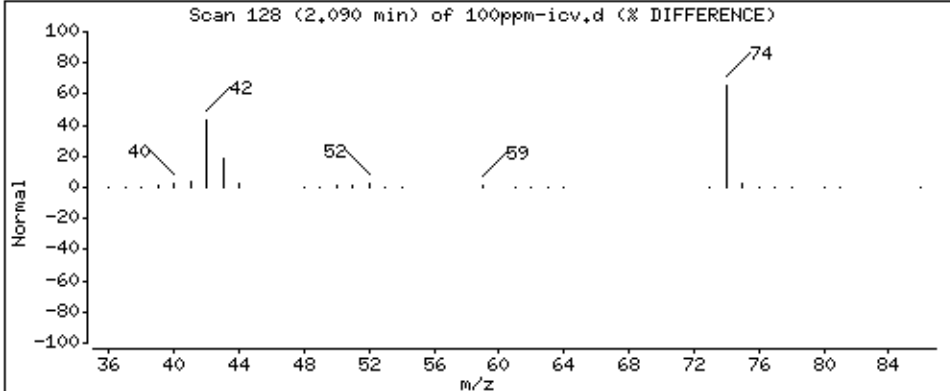
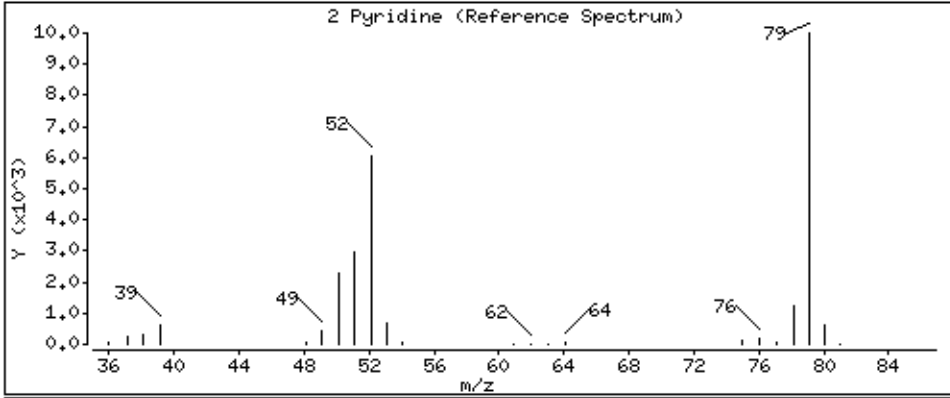
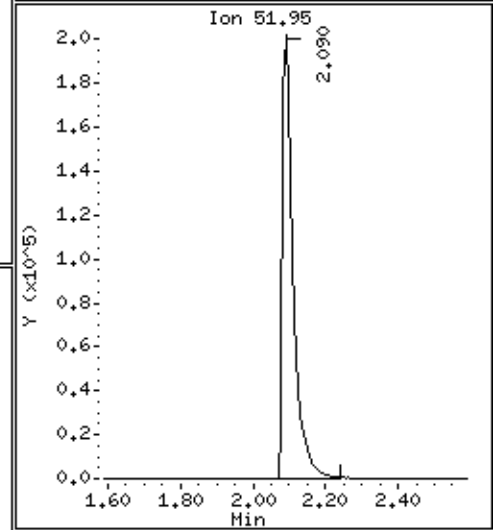
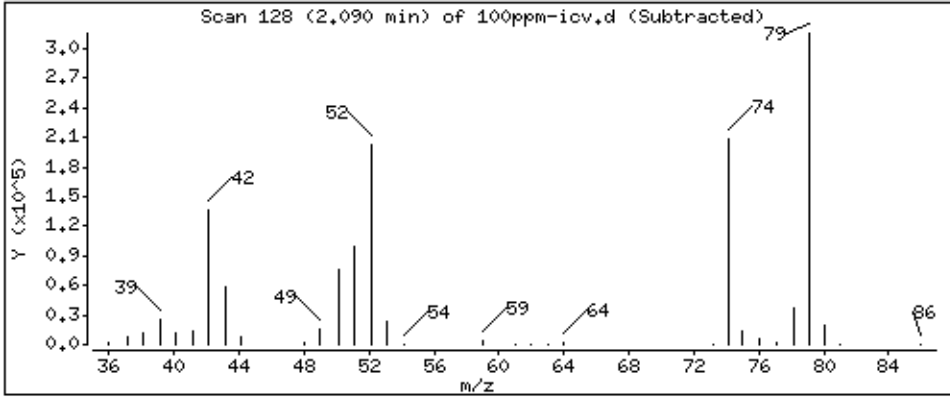
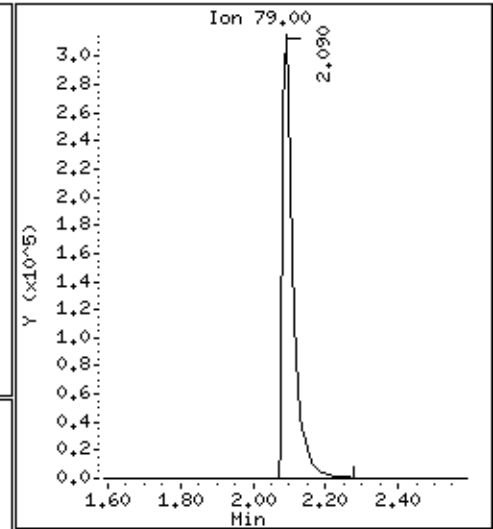
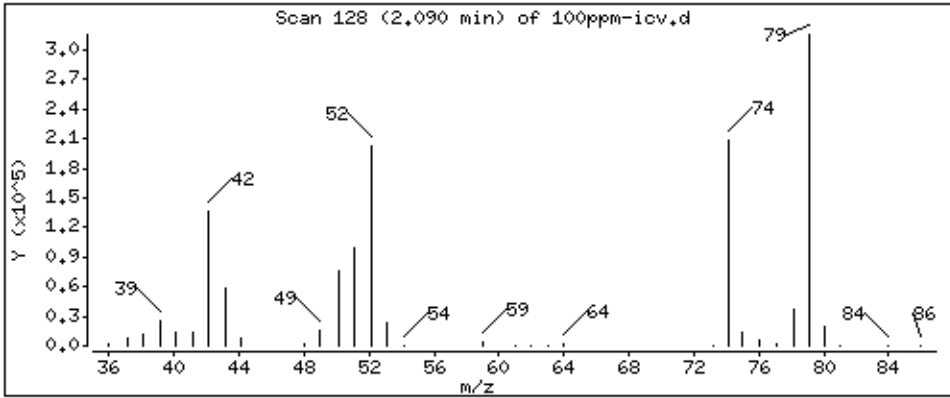
Operator: CEM

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

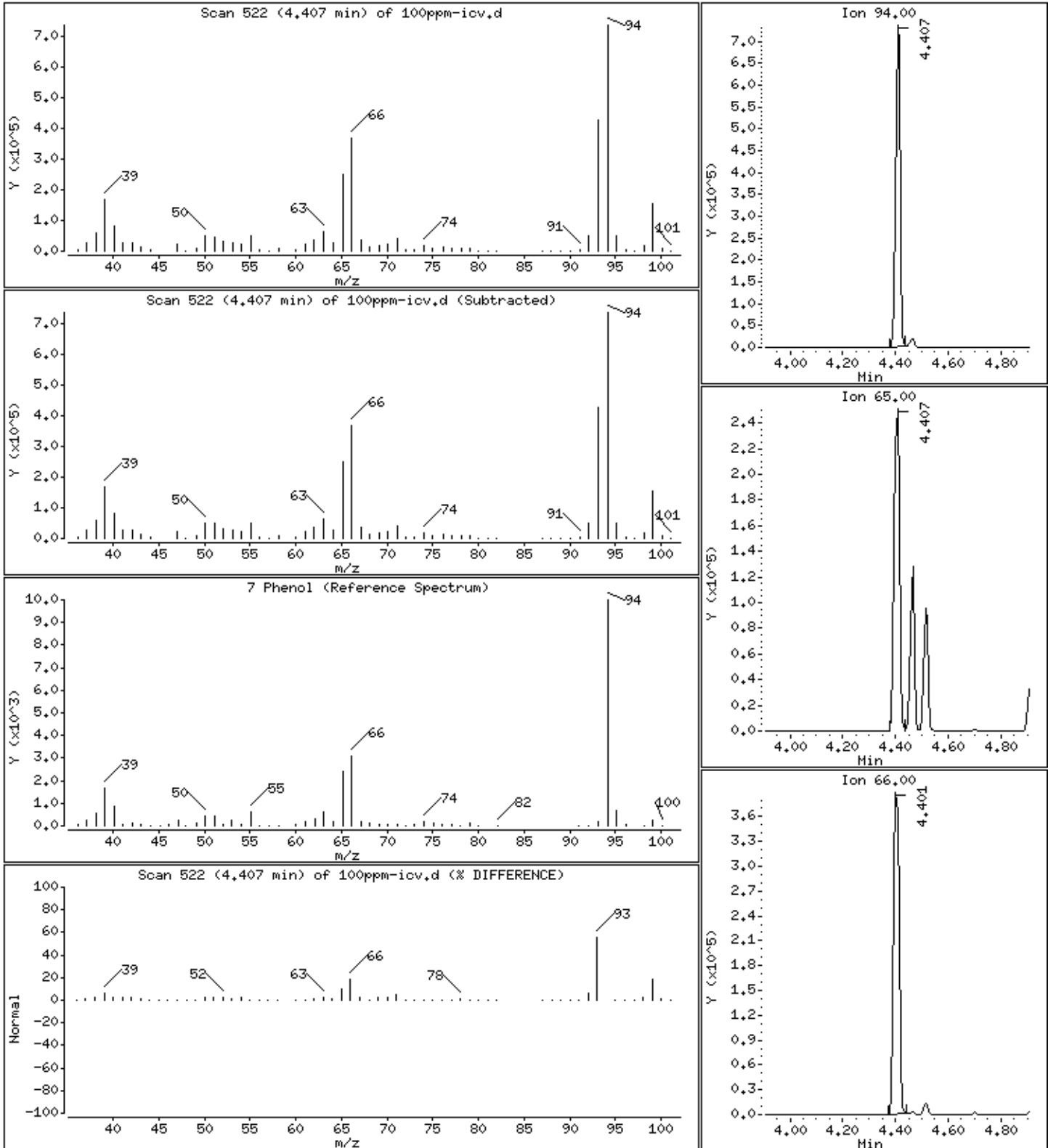
Operator: CEM

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

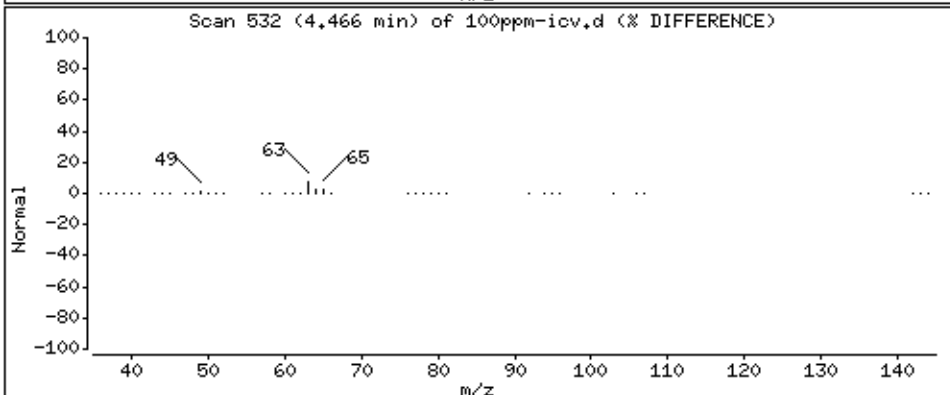
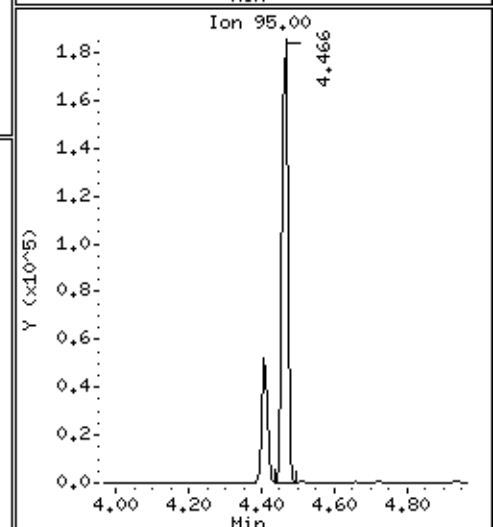
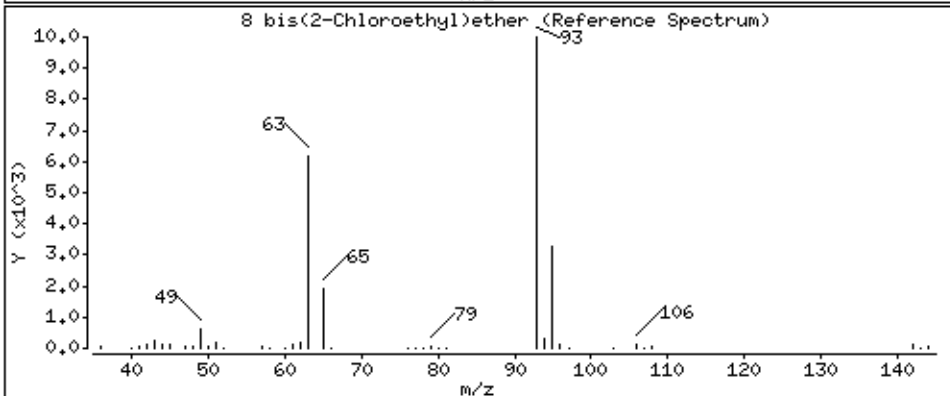
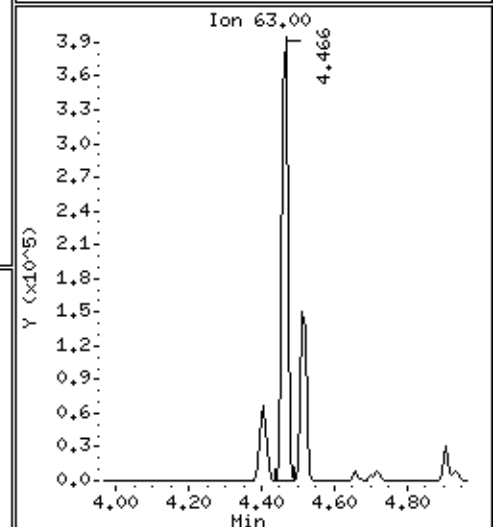
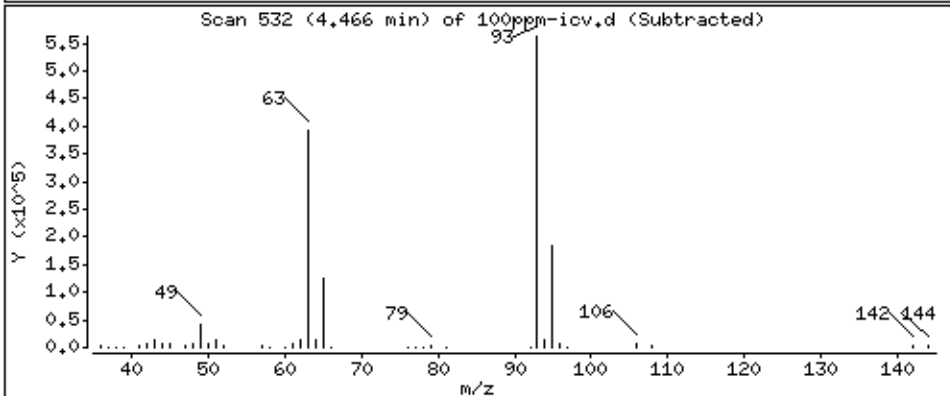
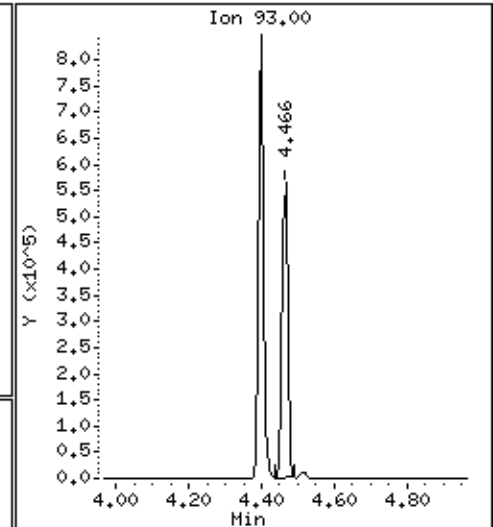
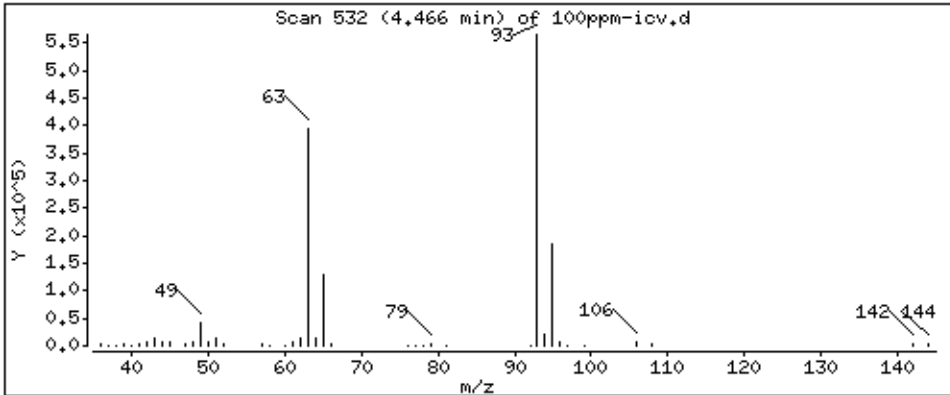
Operator: CEM

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

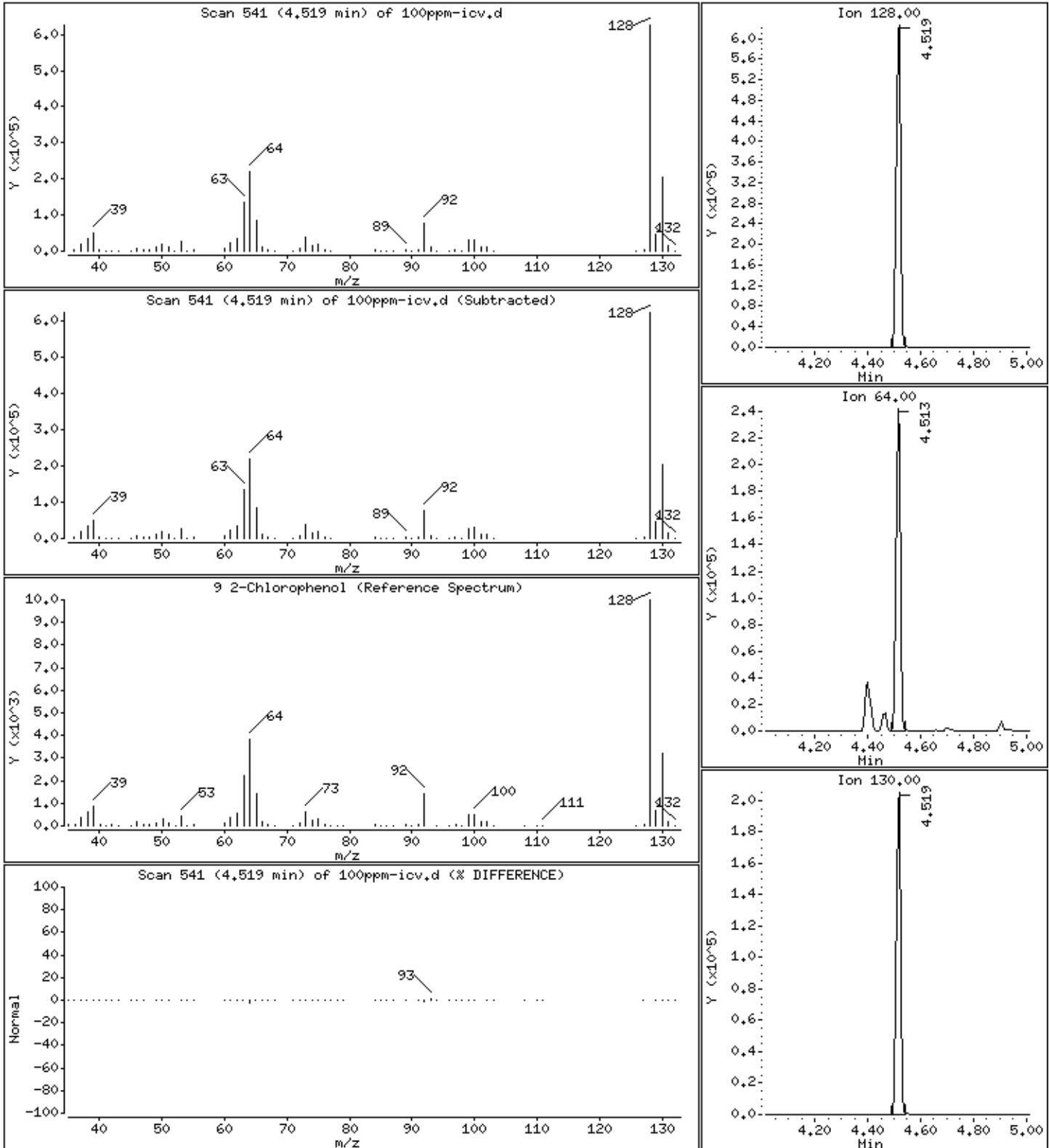
Operator: CEM

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

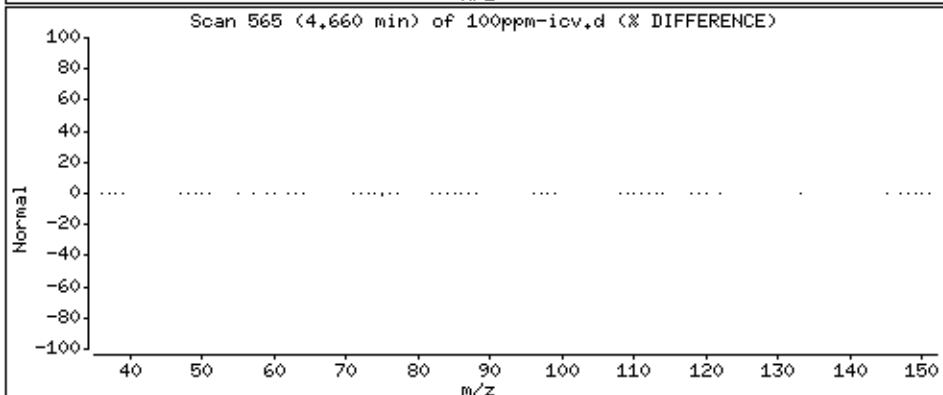
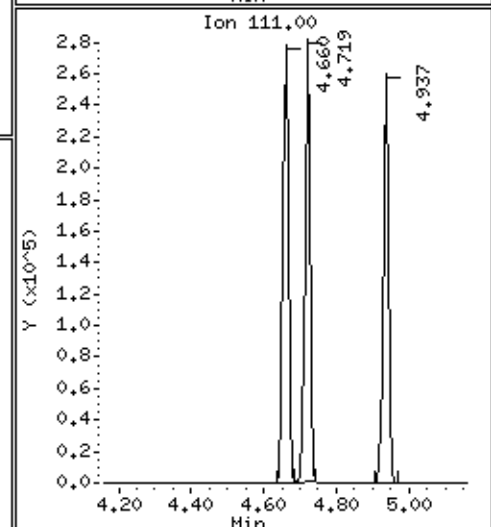
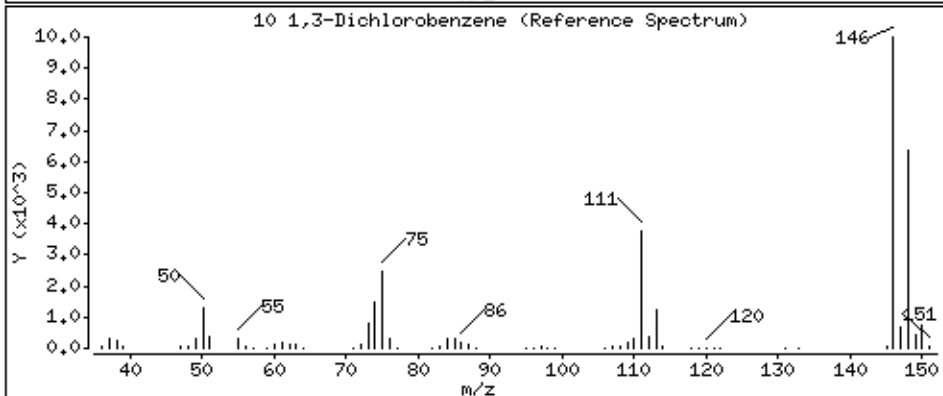
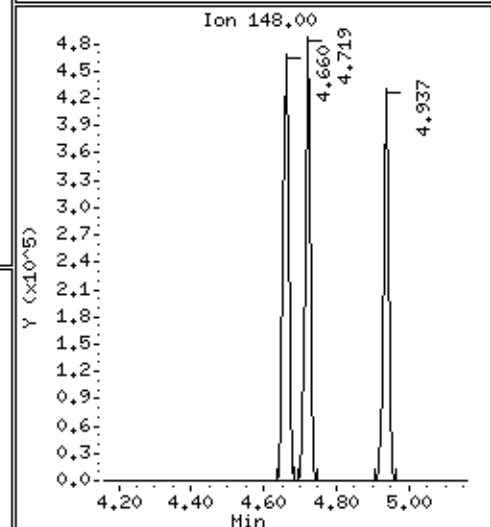
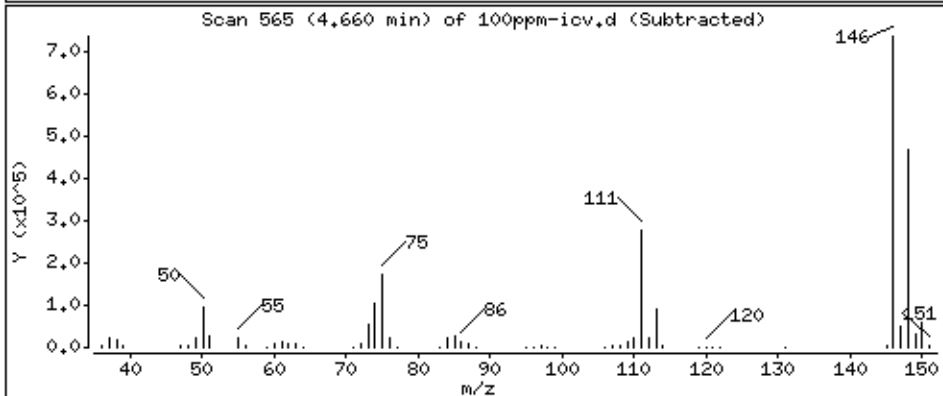
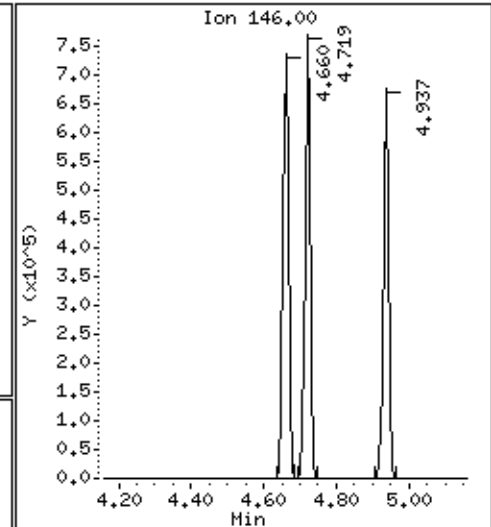
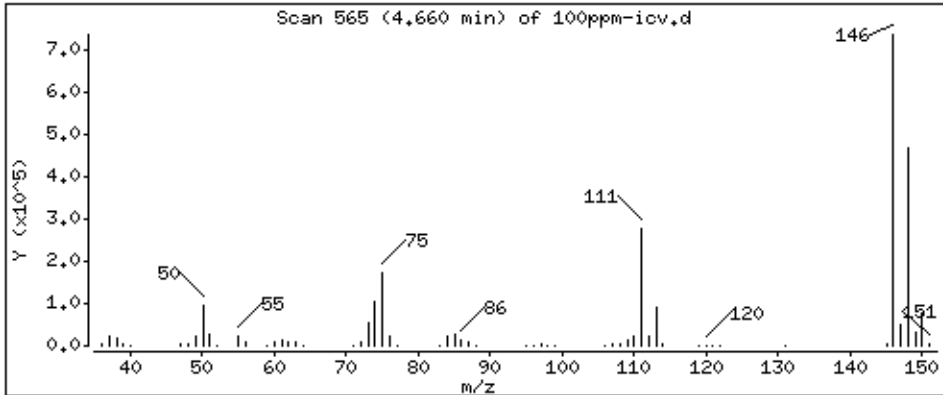
Operator: CEM

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

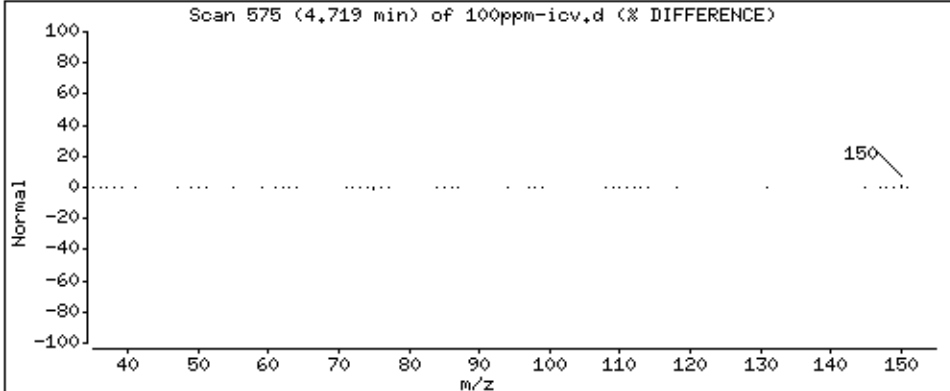
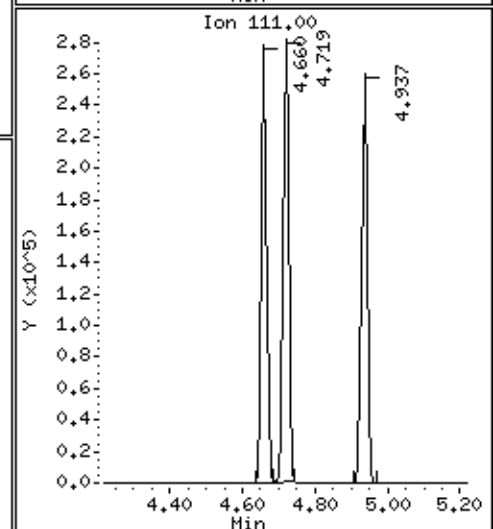
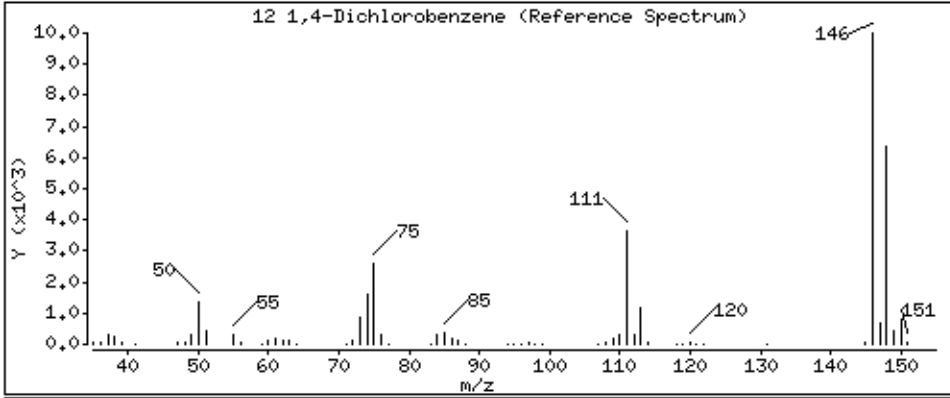
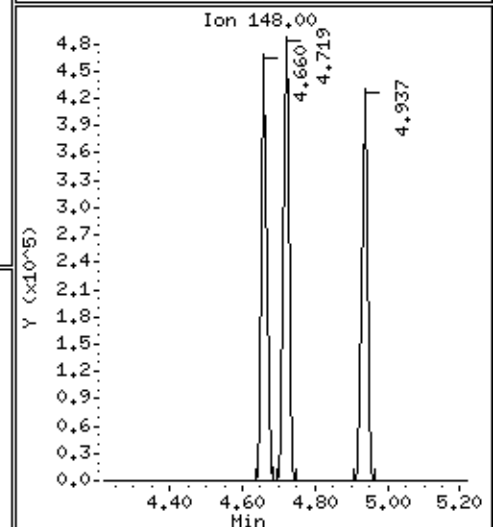
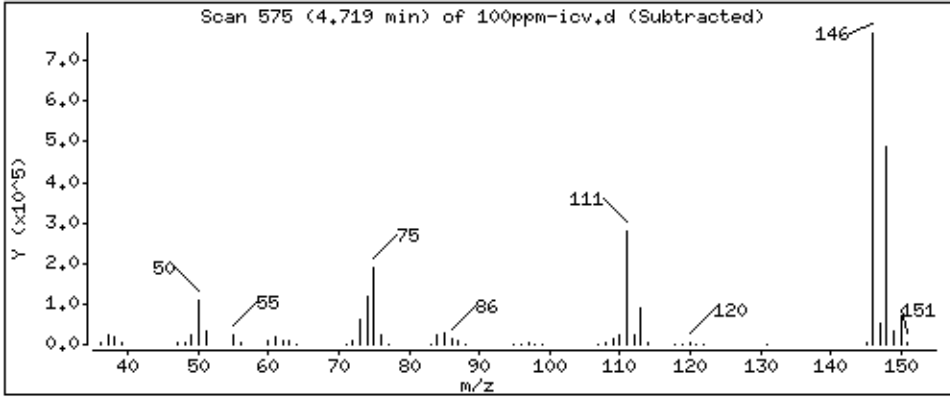
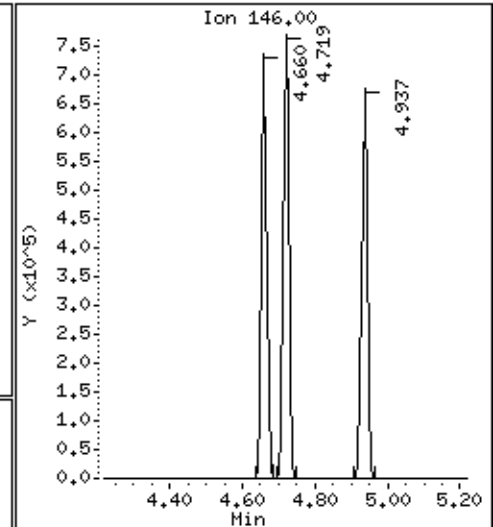
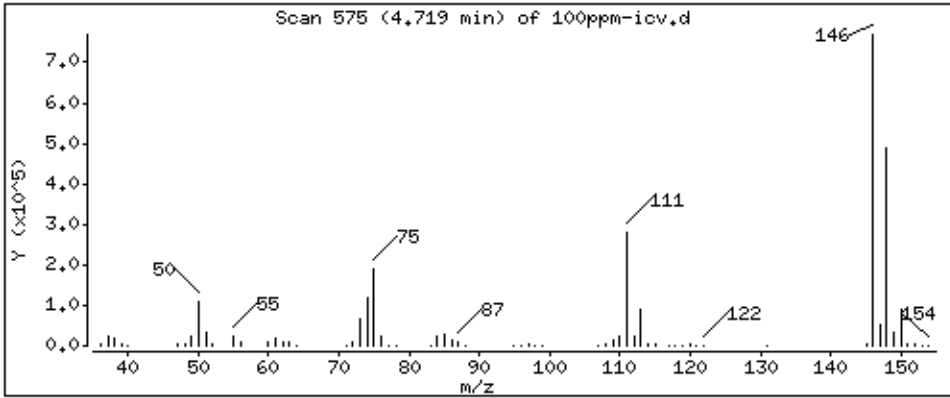
Operator: CEM

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

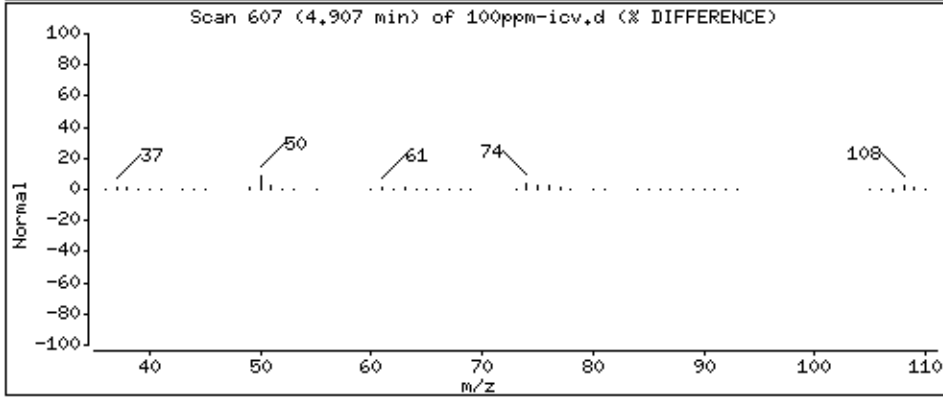
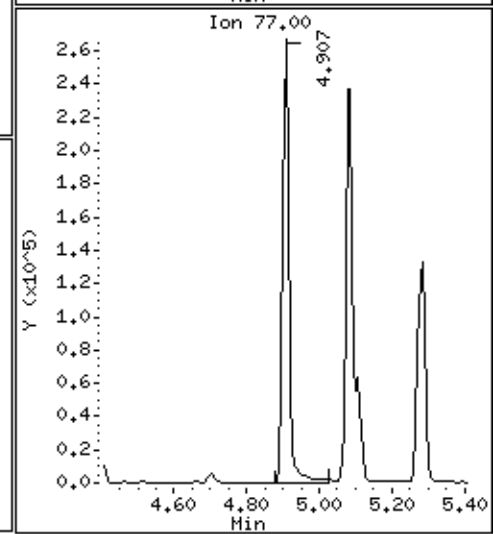
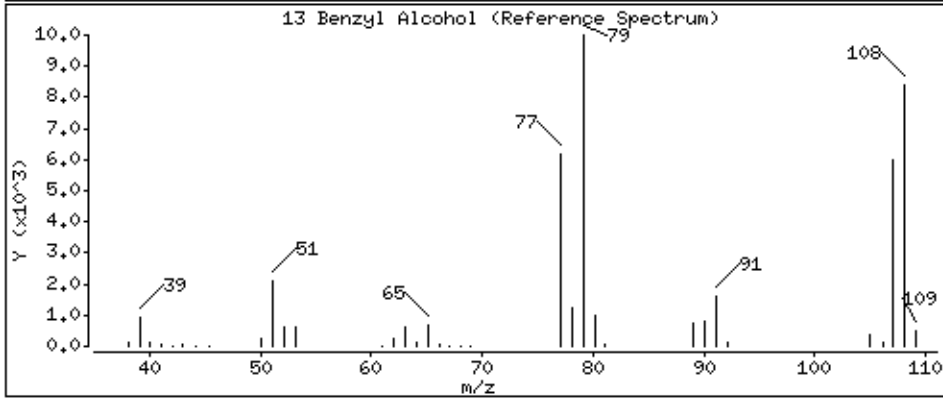
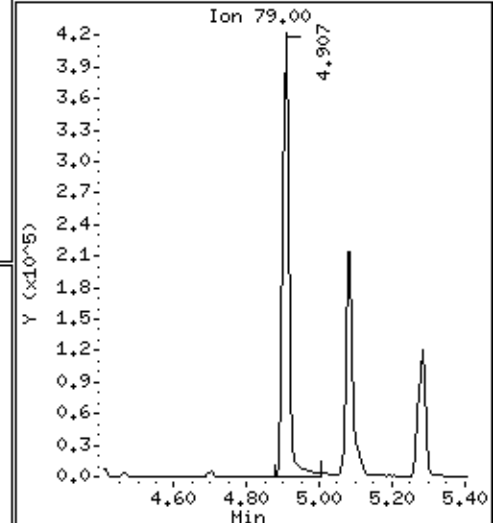
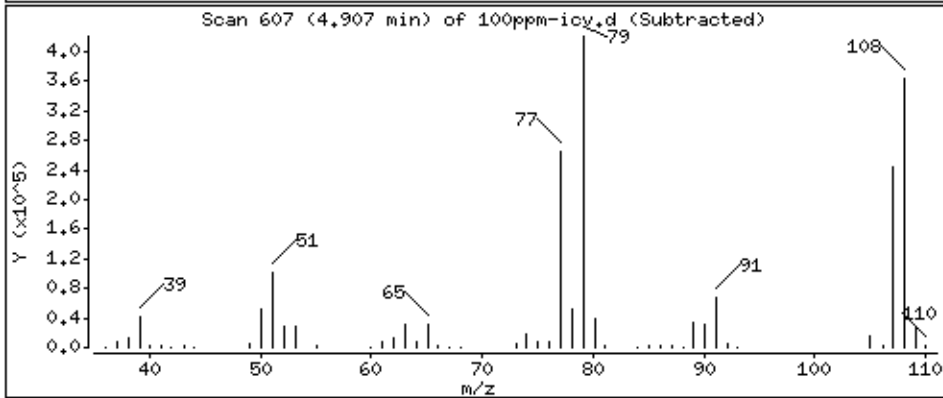
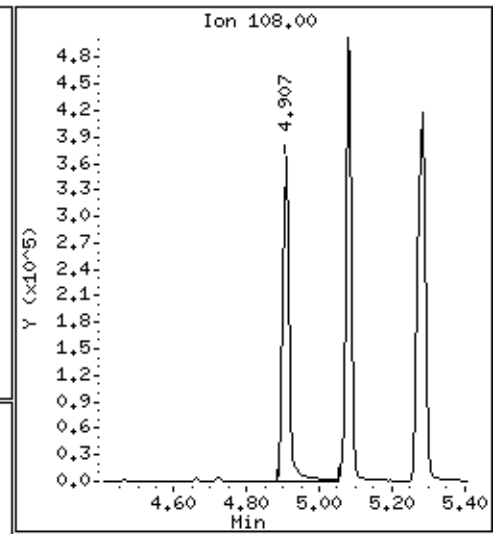
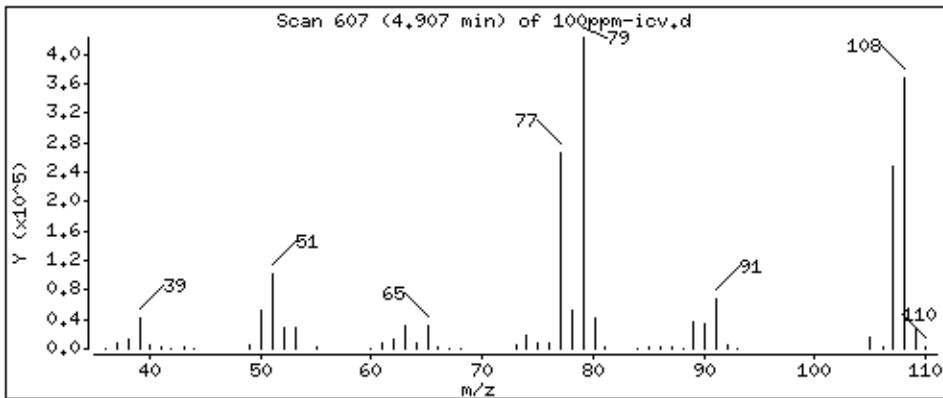
Operator: CEM

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

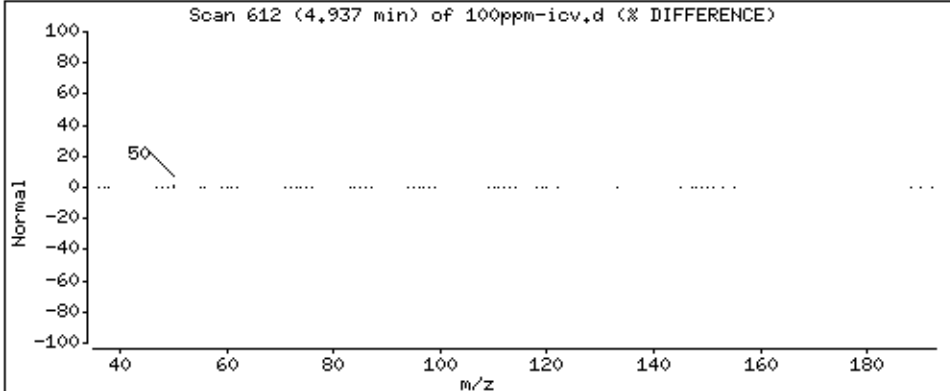
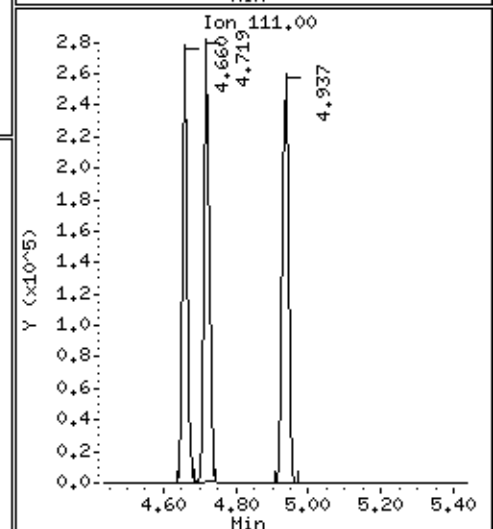
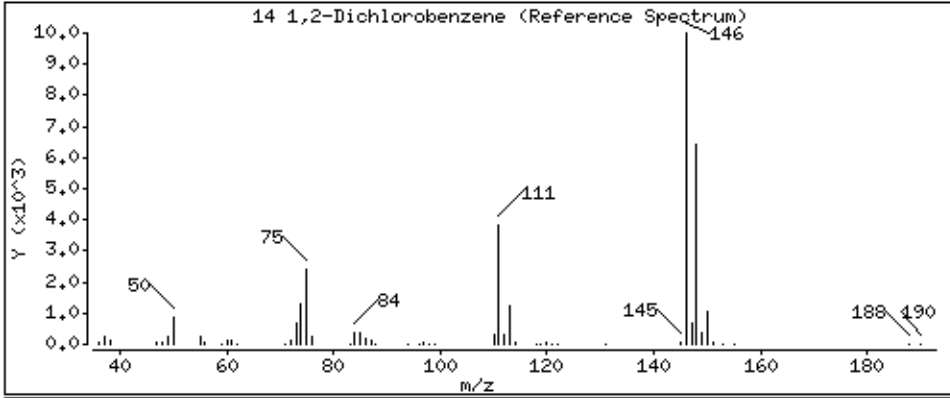
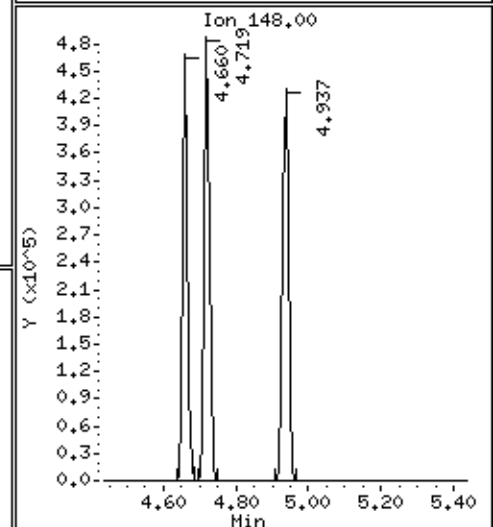
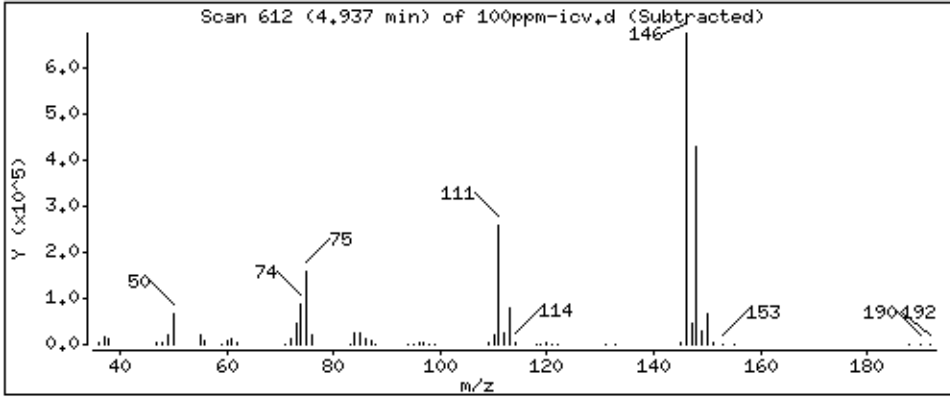
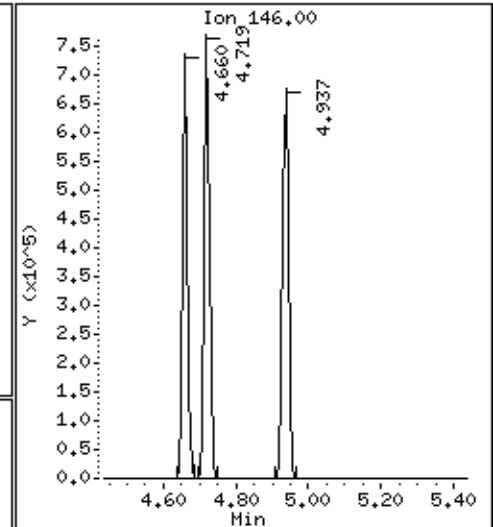
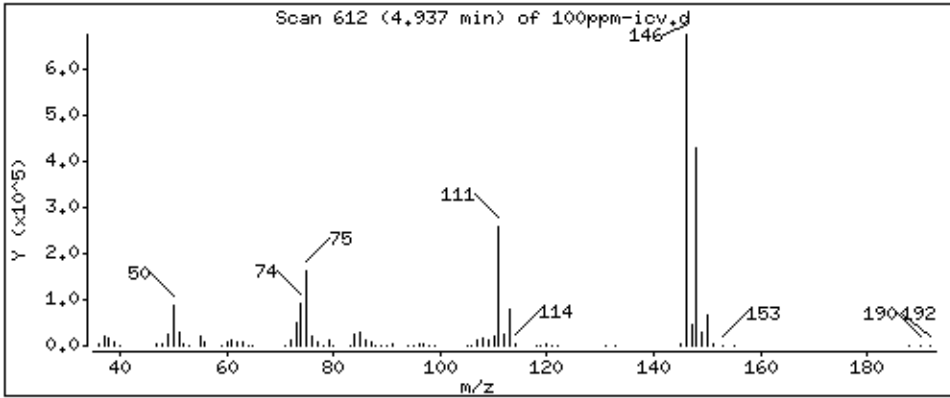
Operator: CEM

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

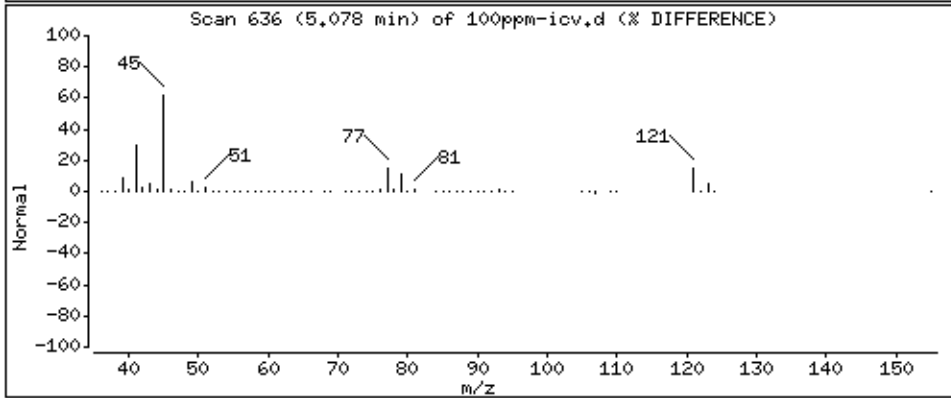
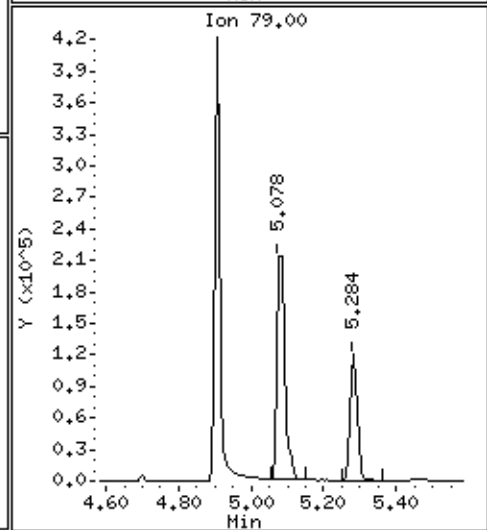
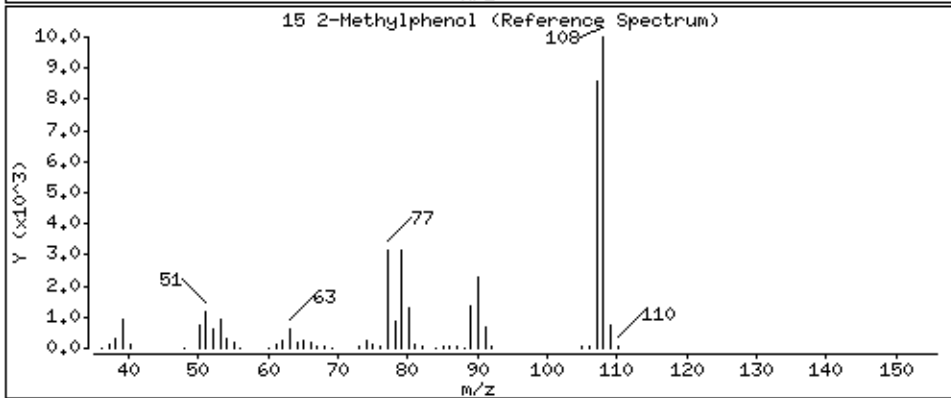
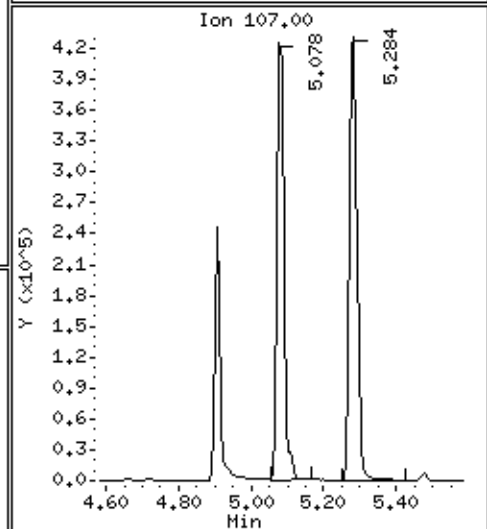
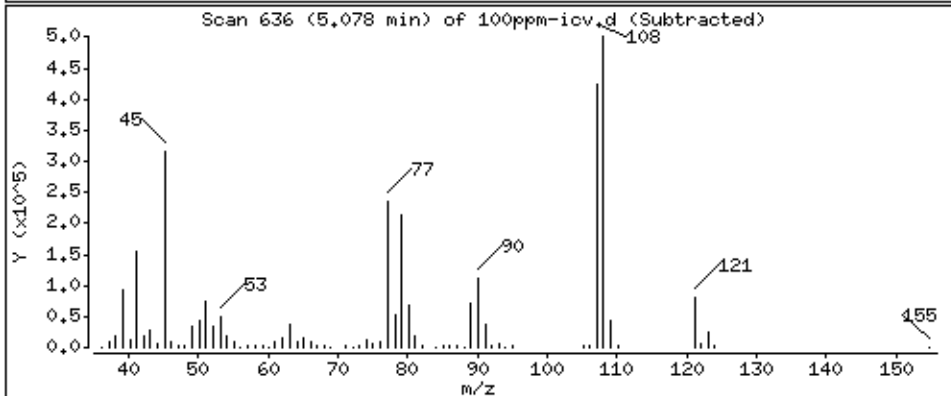
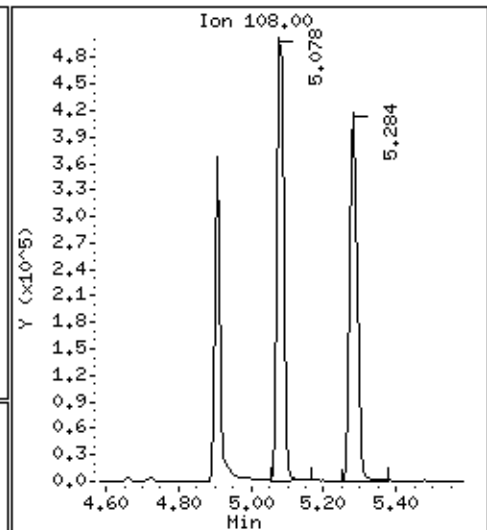
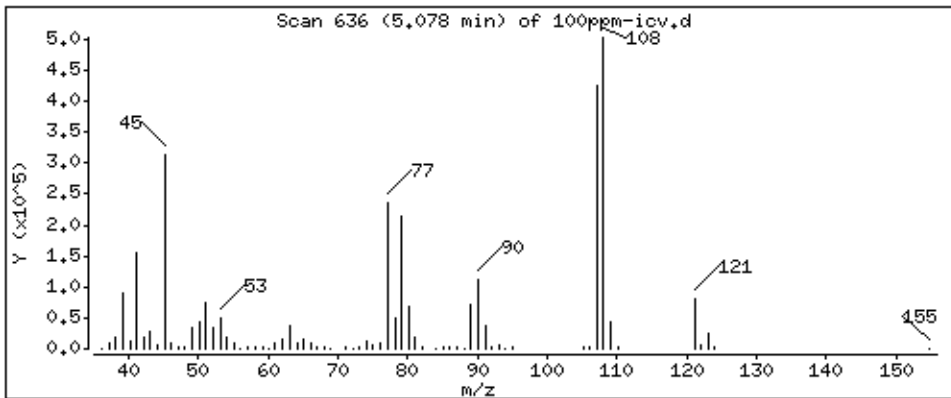
Operator: CEM

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

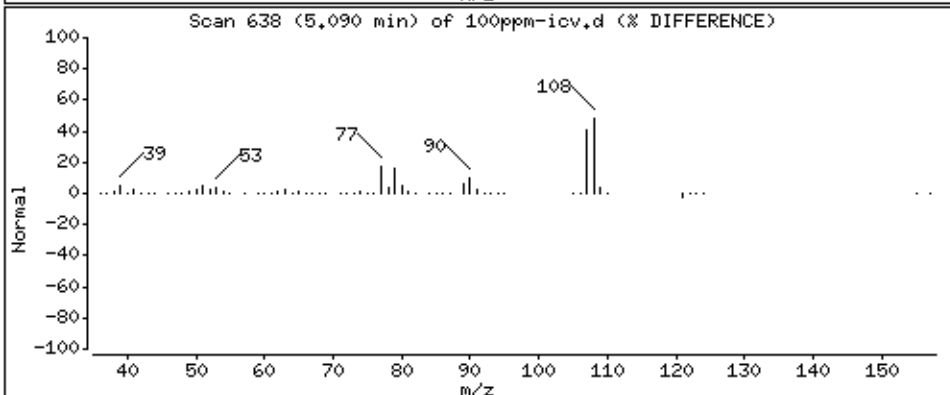
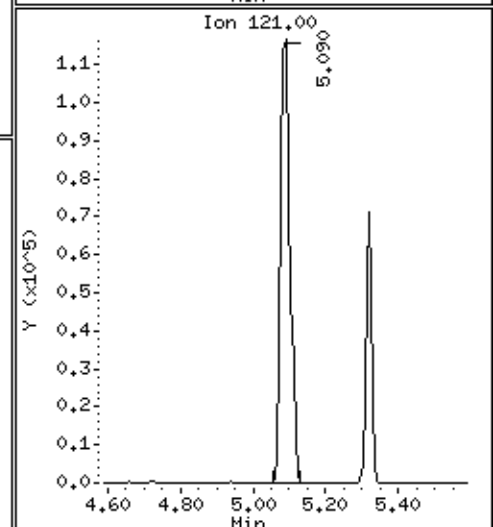
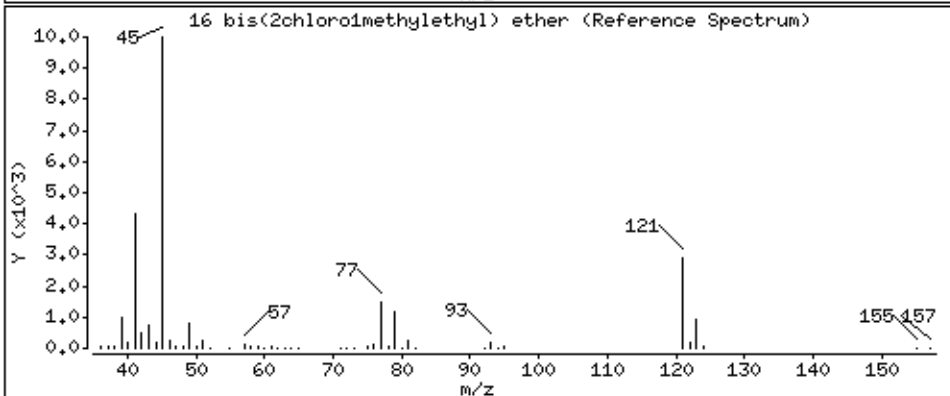
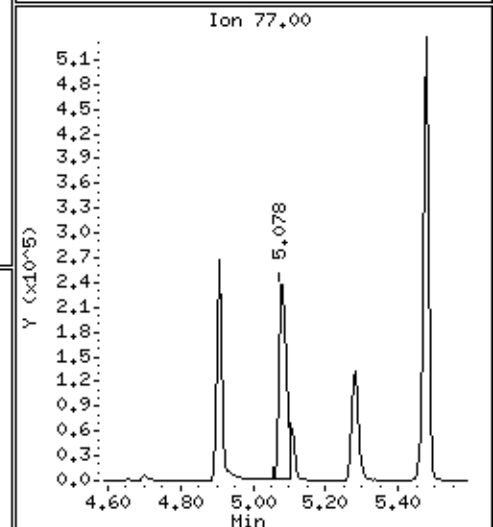
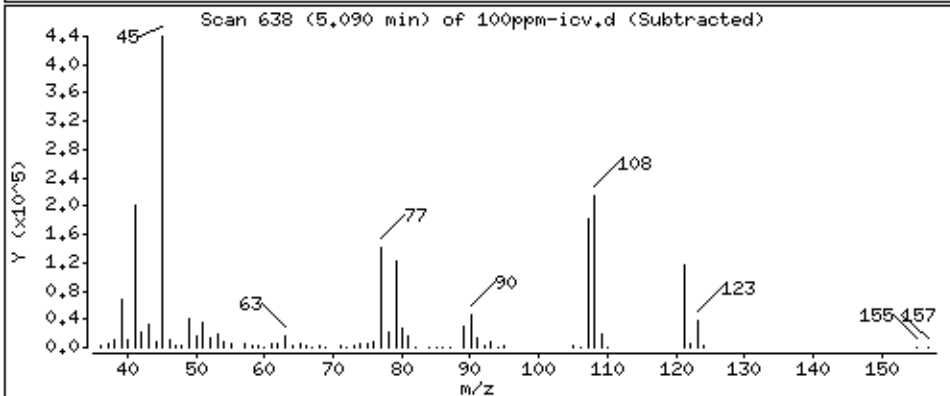
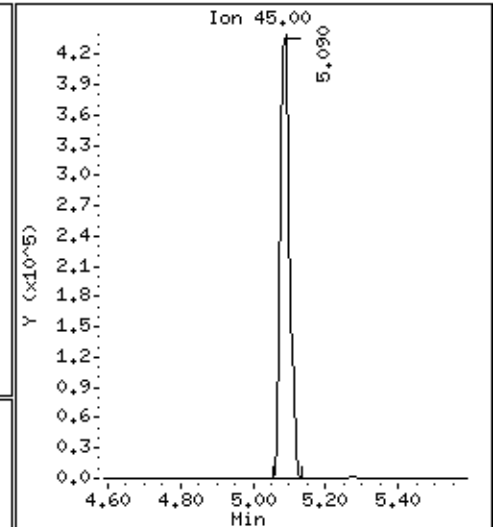
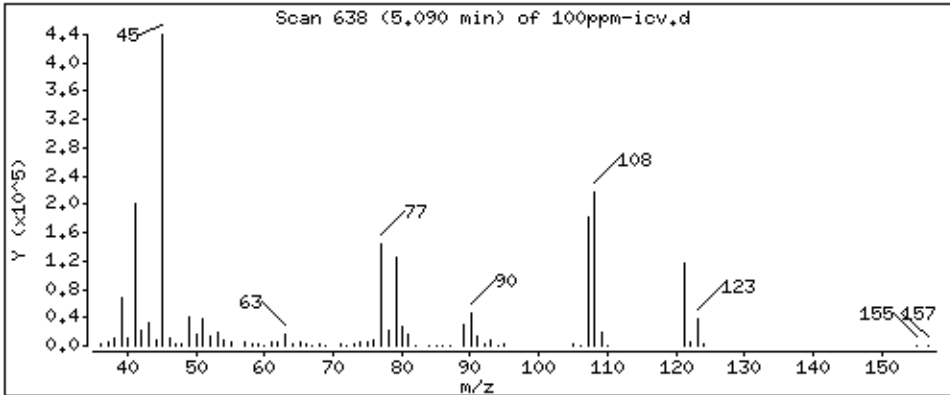
Operator: CEM

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

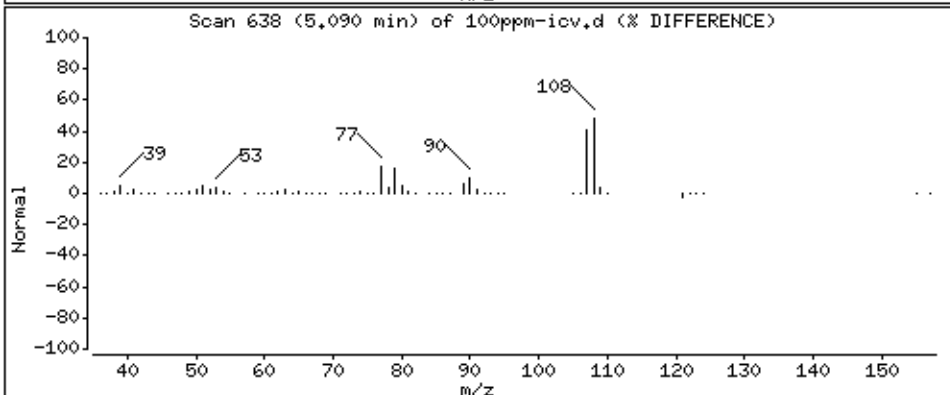
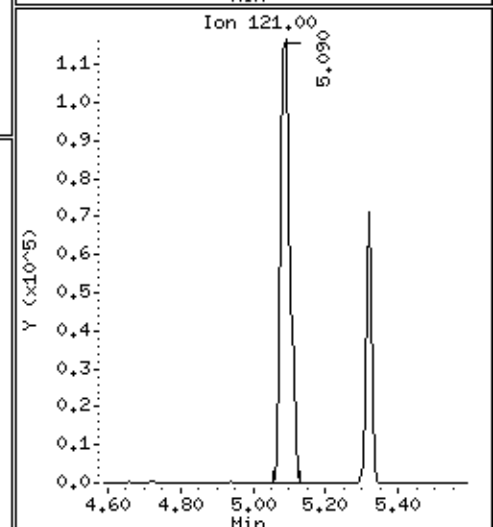
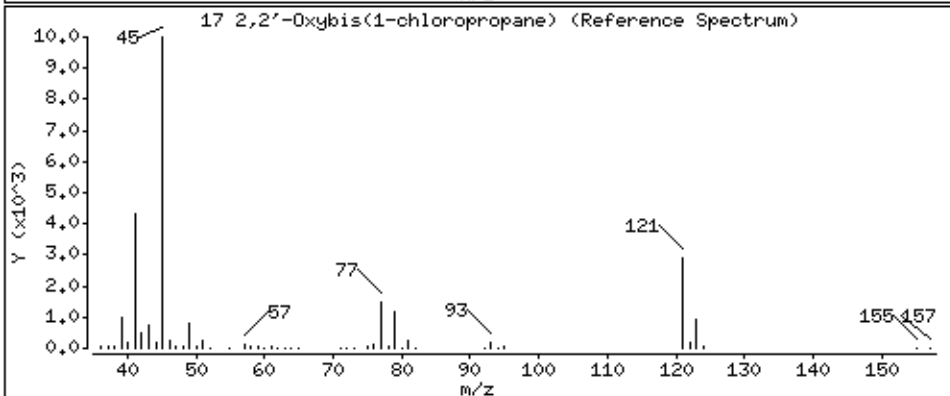
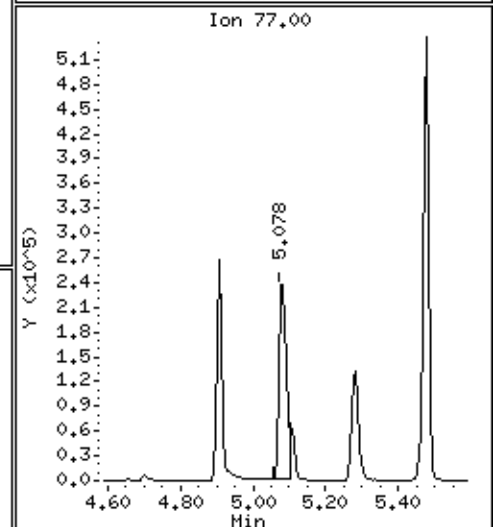
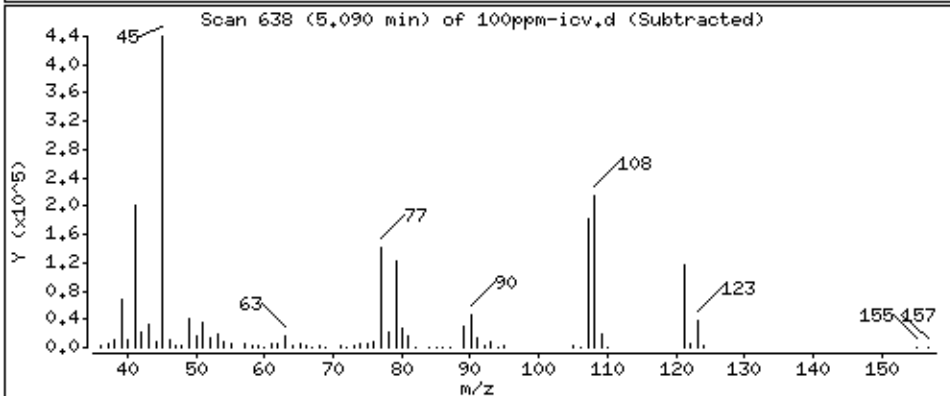
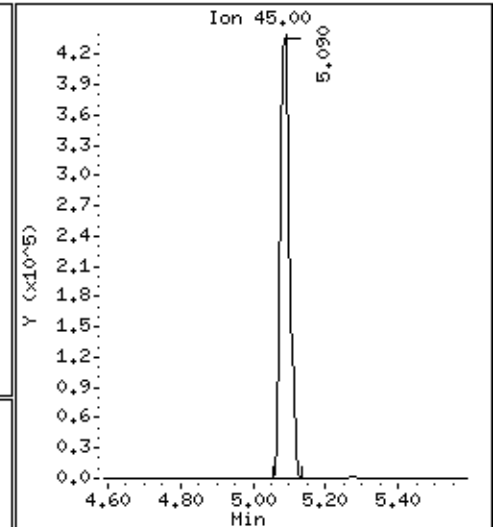
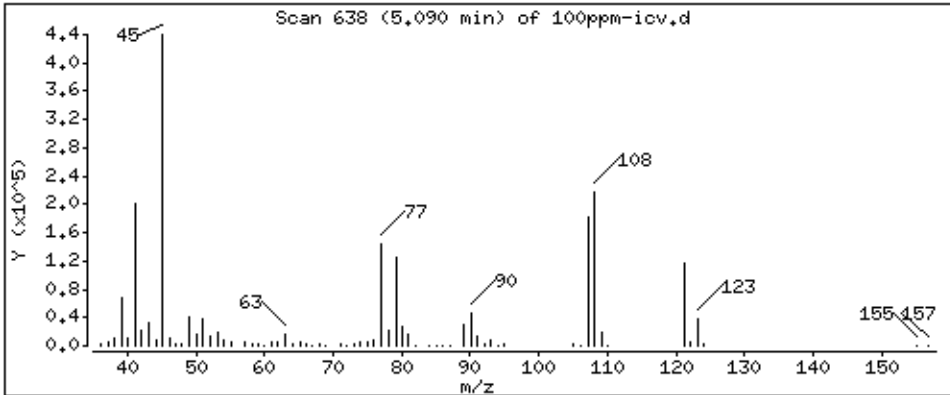
Operator: CEM

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

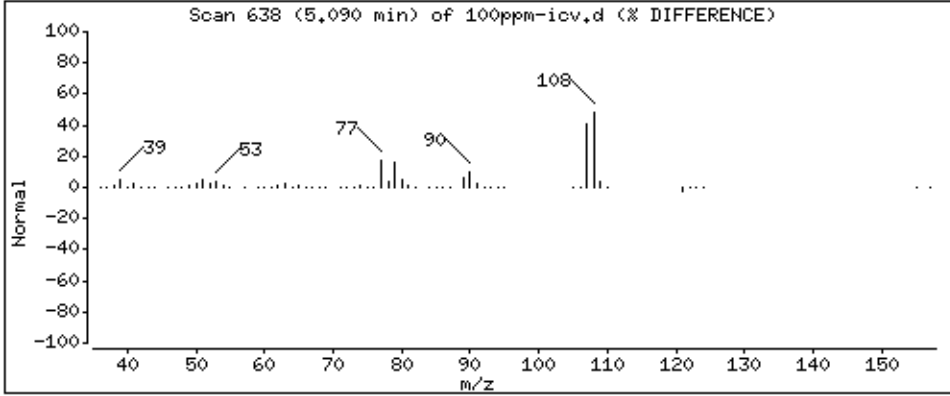
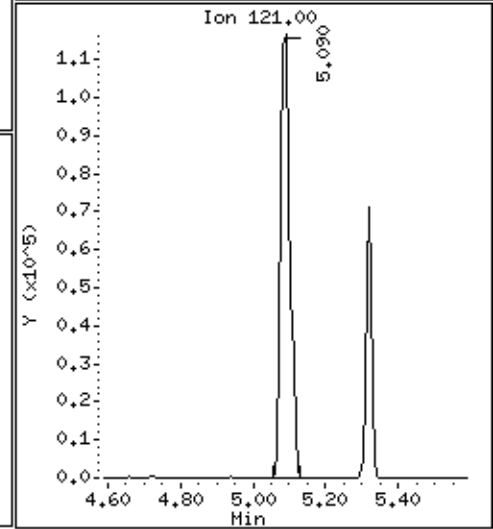
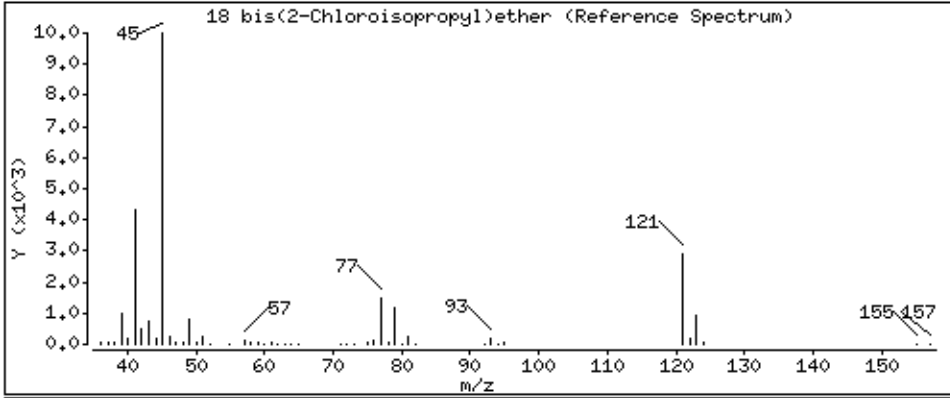
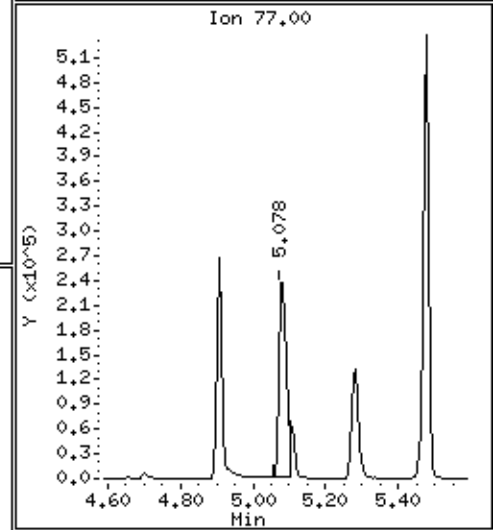
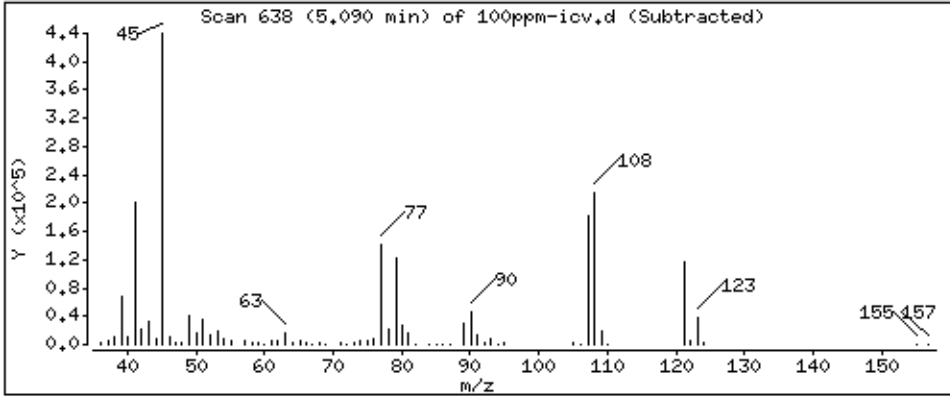
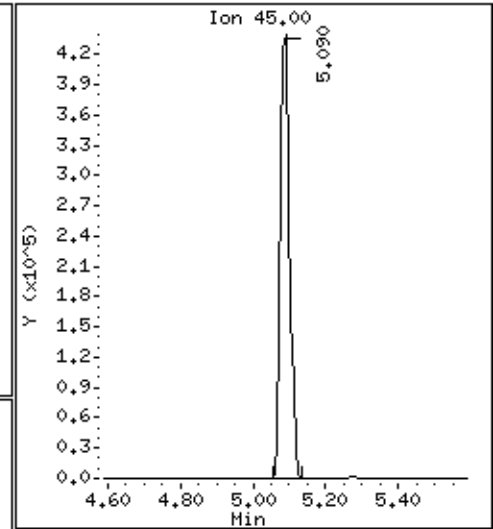
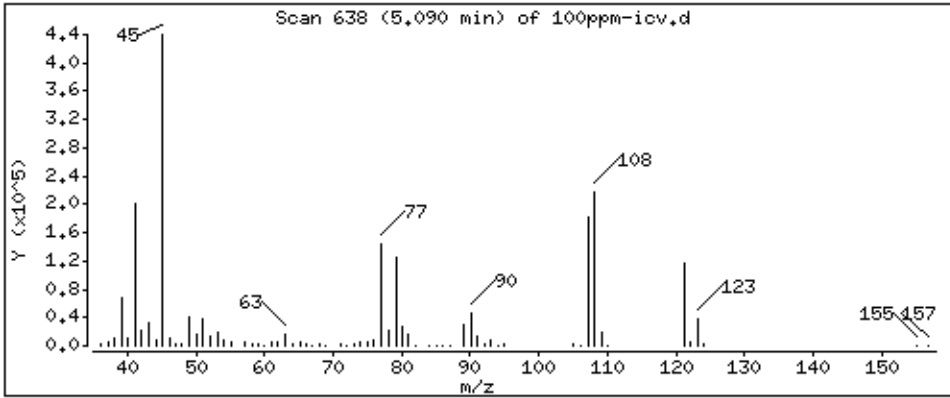
Operator: CEM

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

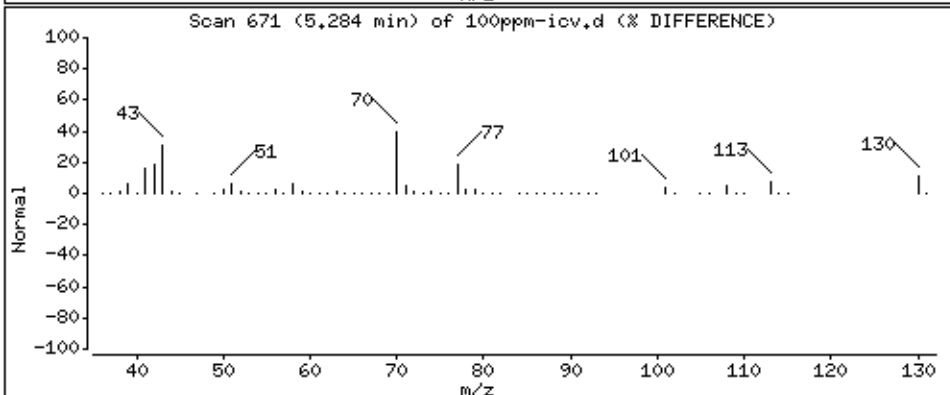
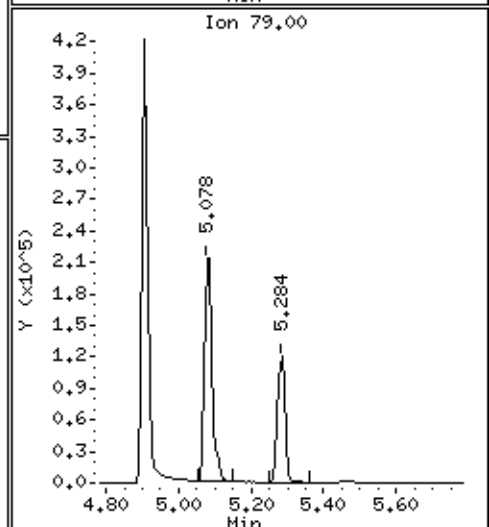
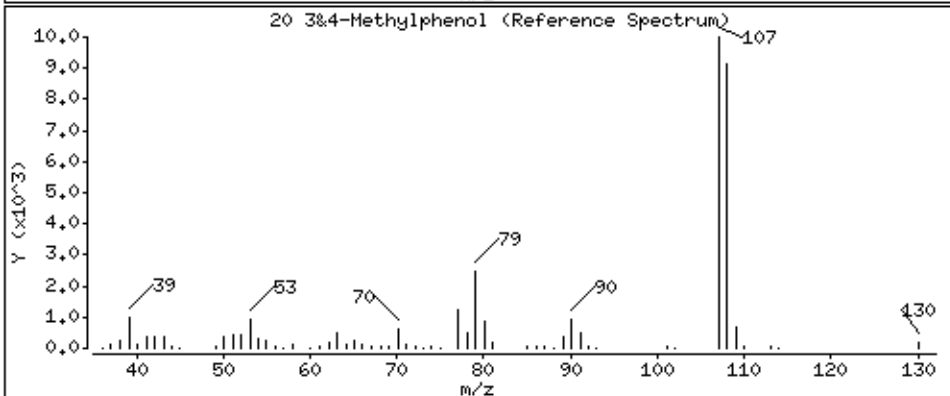
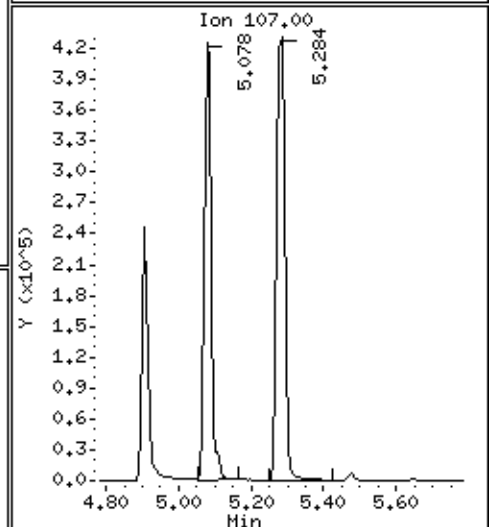
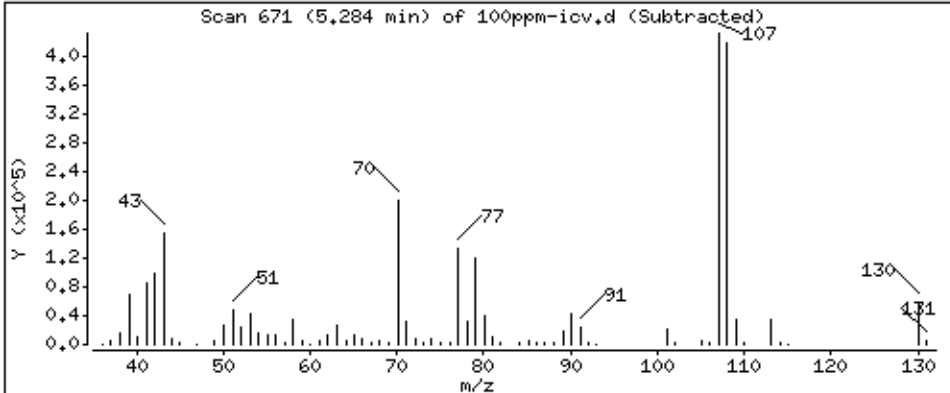
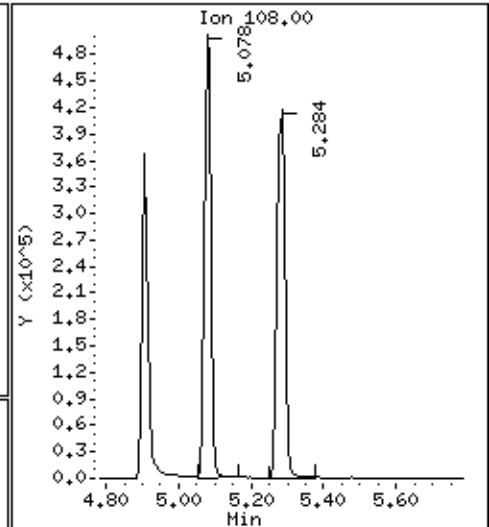
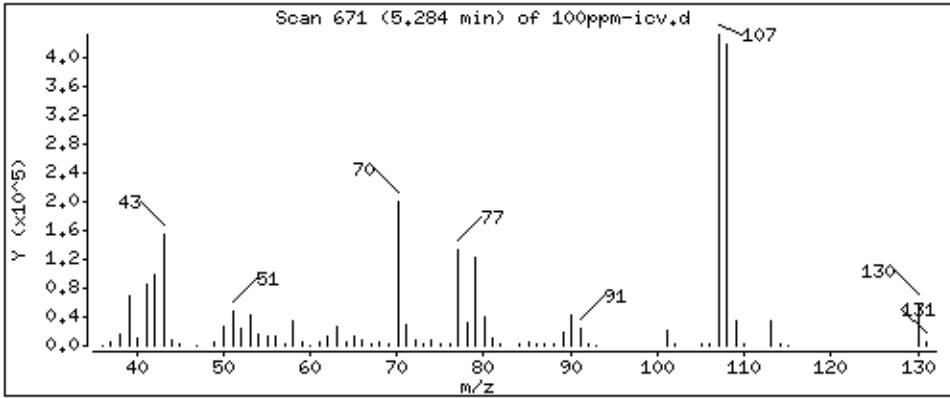
Operator: CEM

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

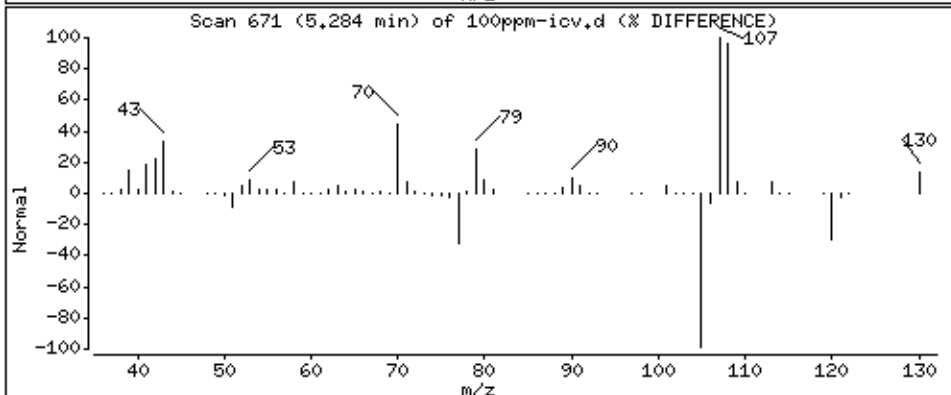
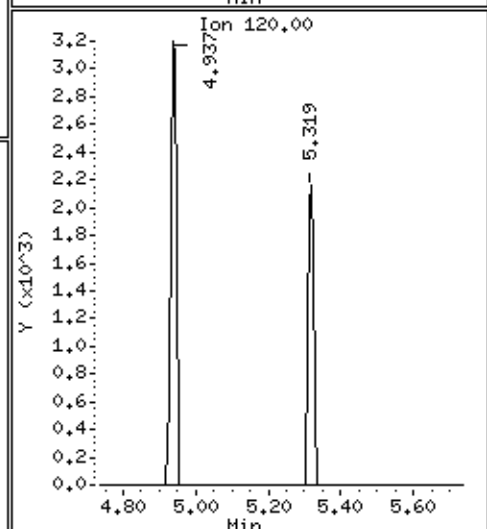
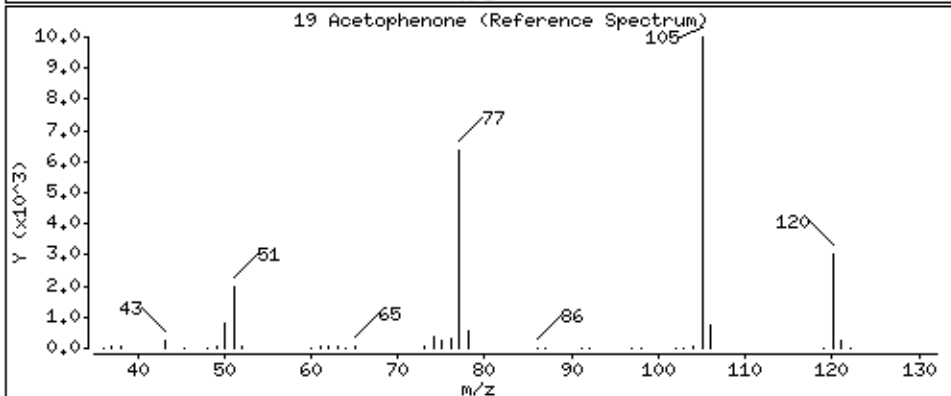
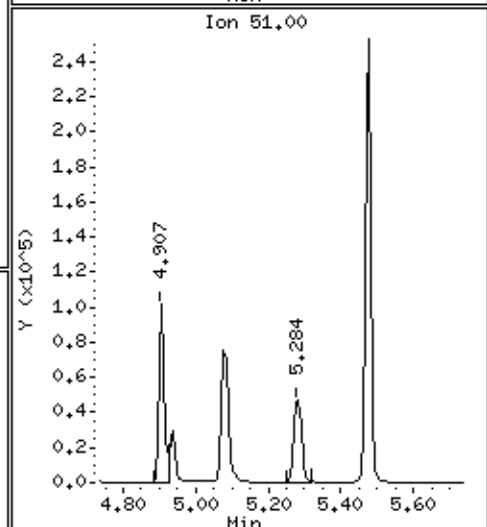
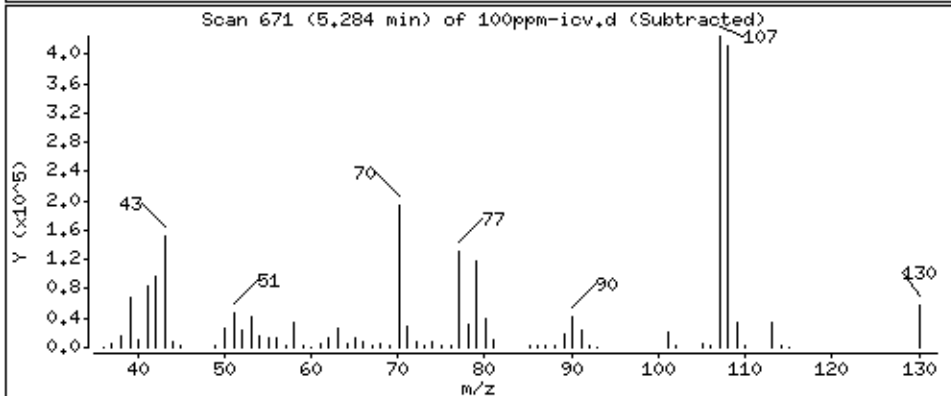
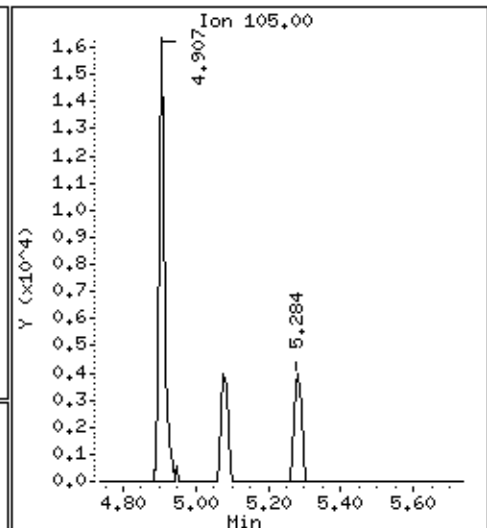
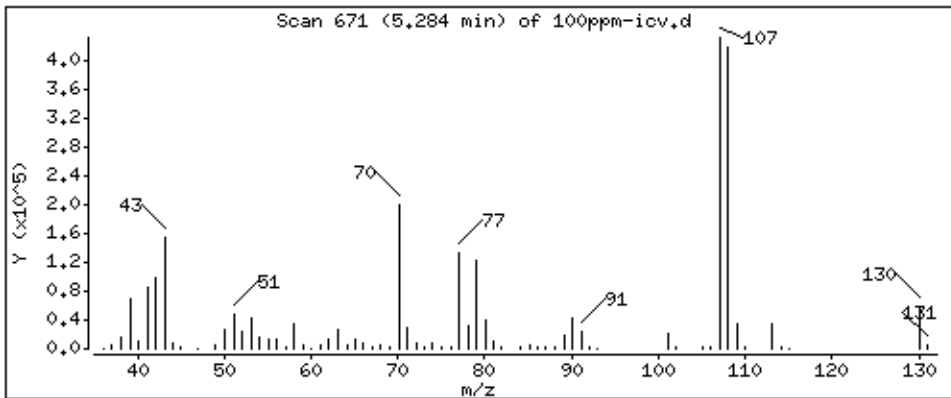
Operator: CEM

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

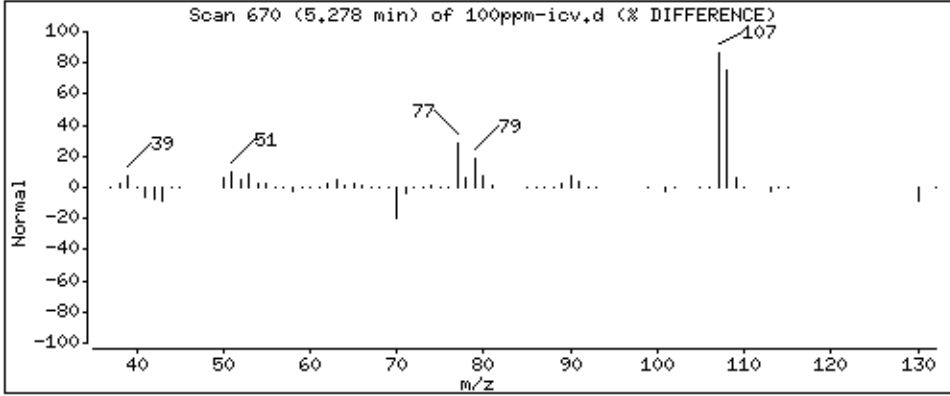
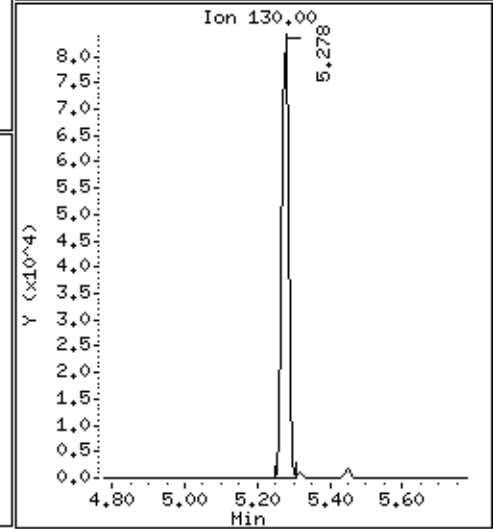
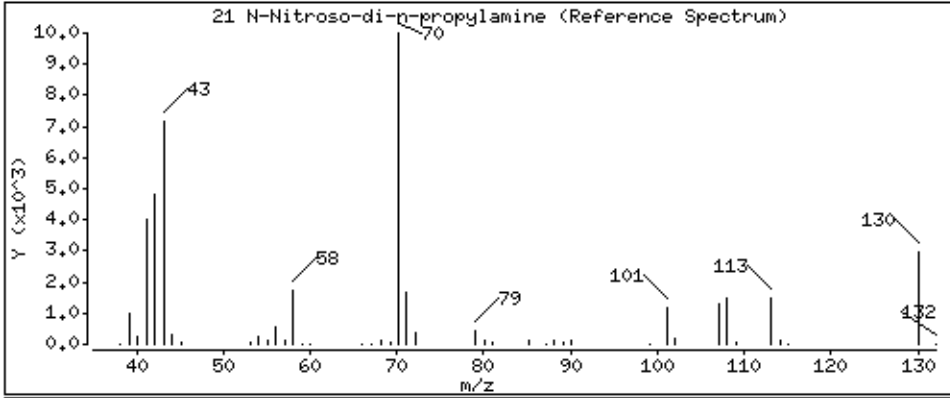
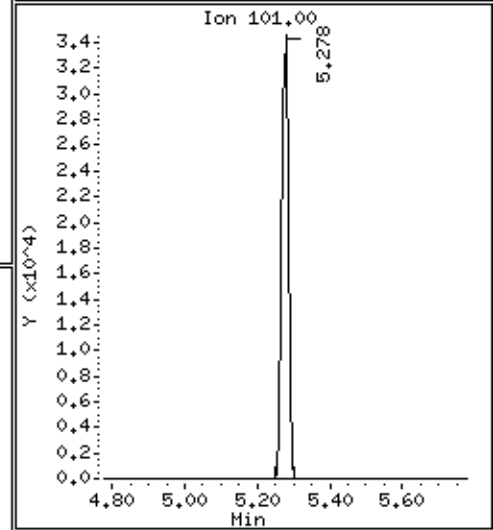
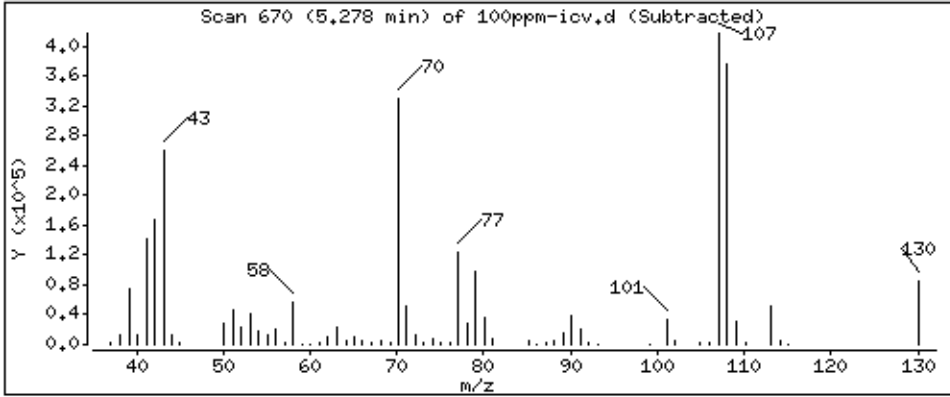
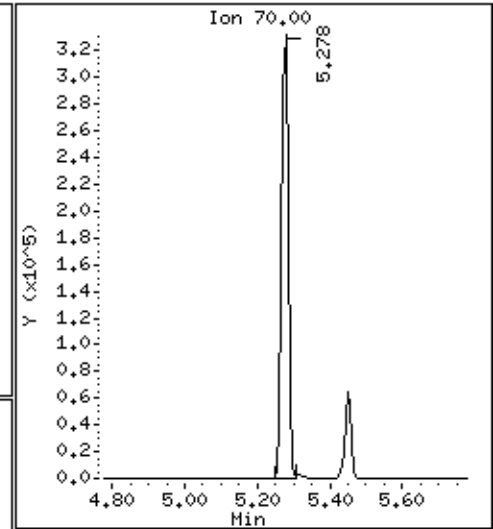
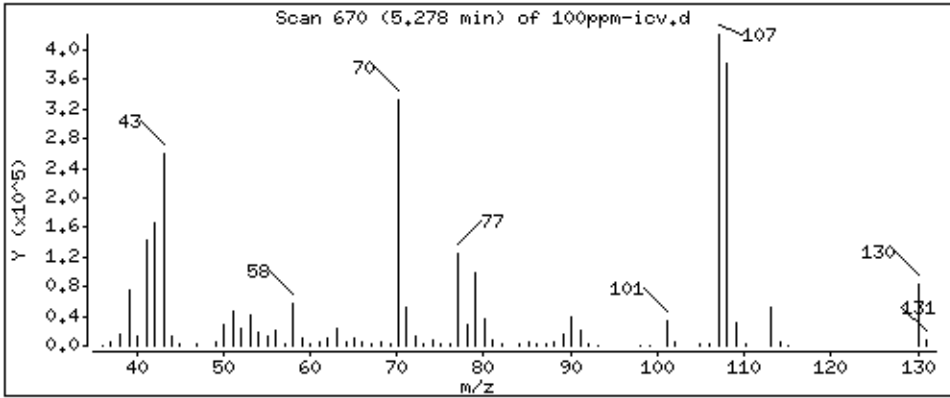
Operator: CEM

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

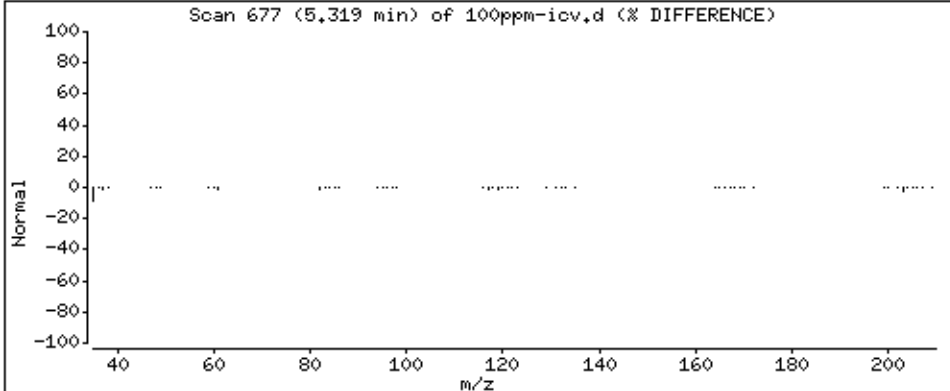
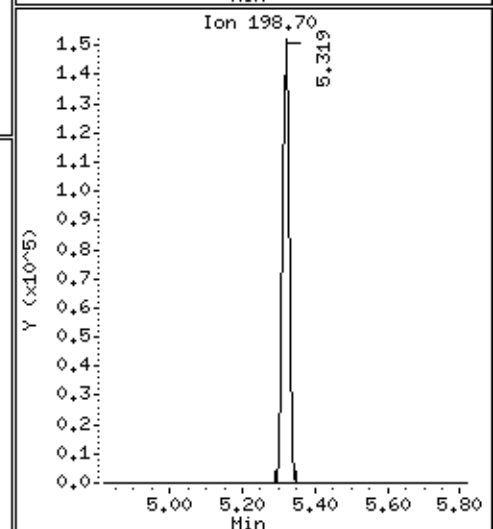
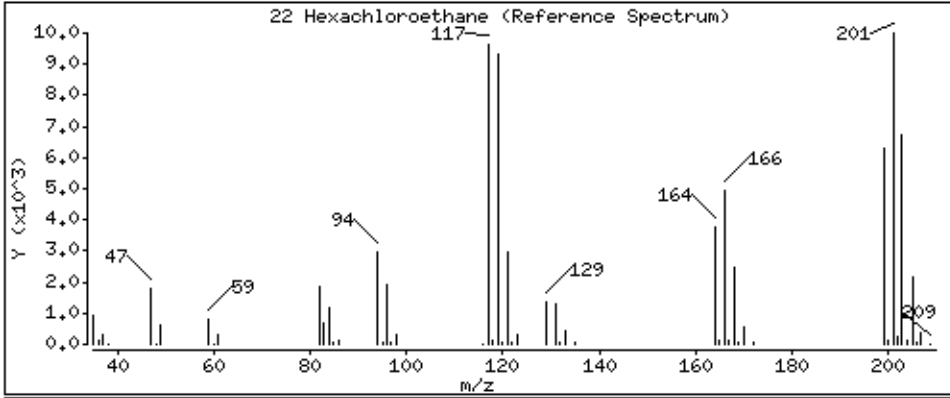
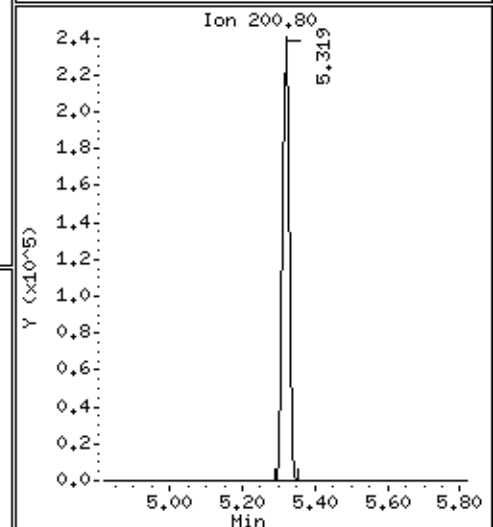
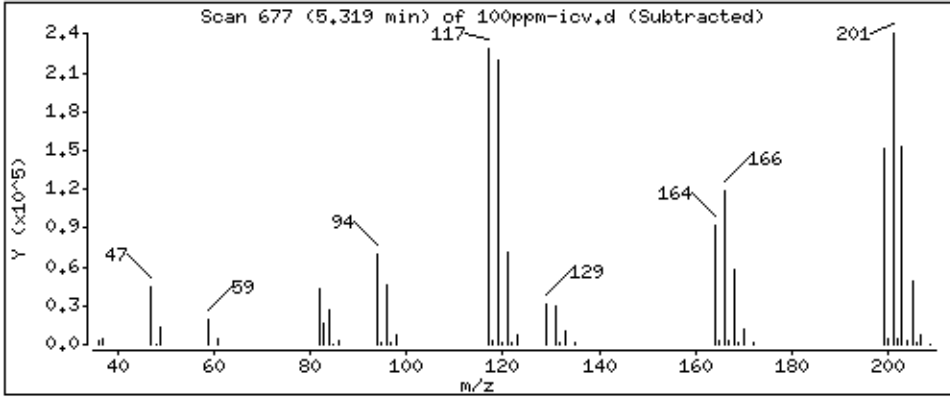
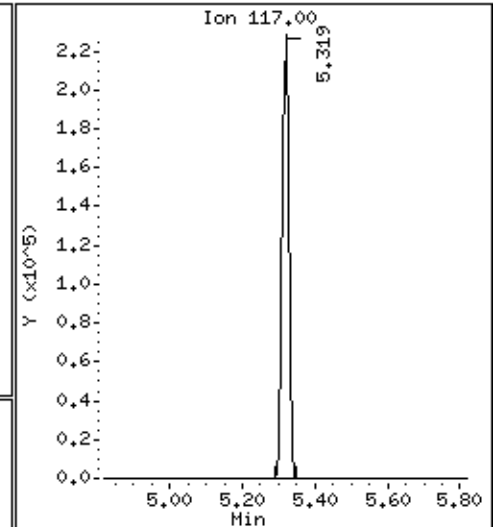
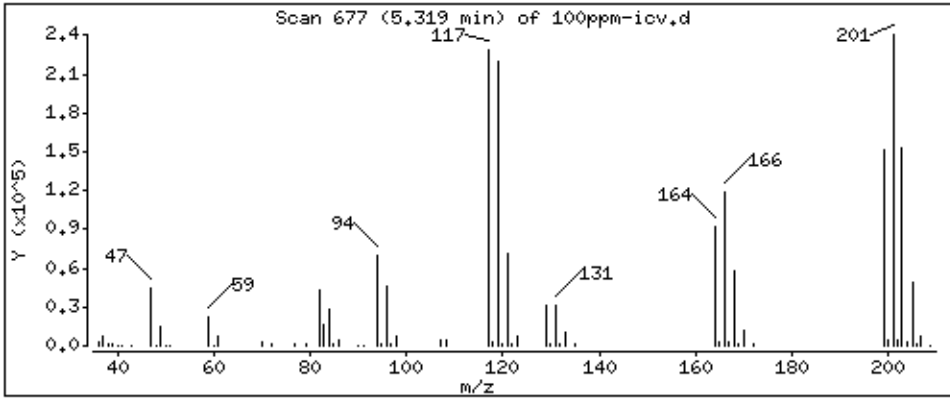
Operator: CEM

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

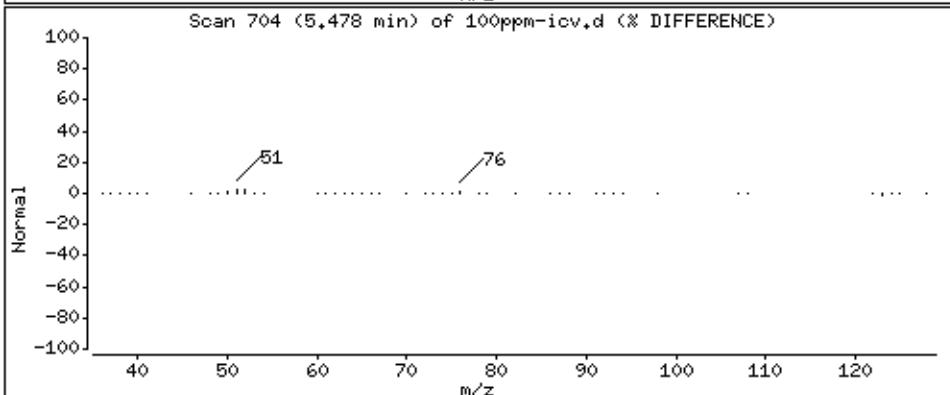
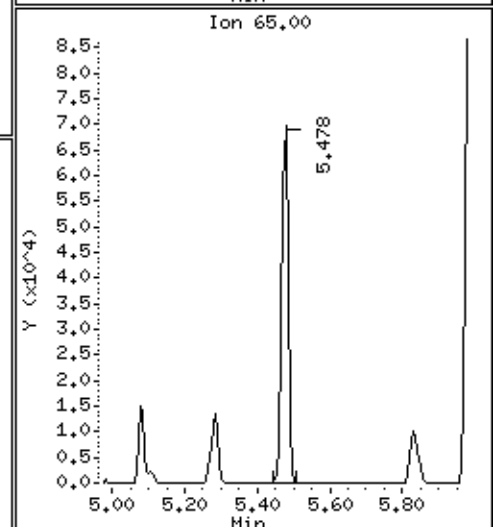
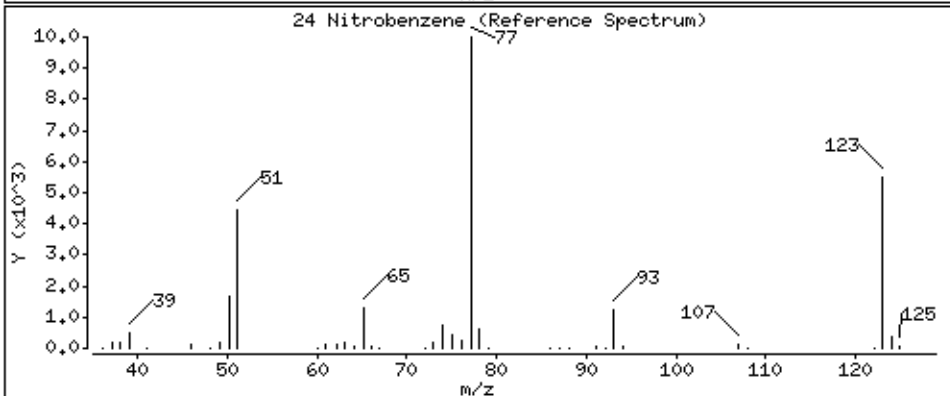
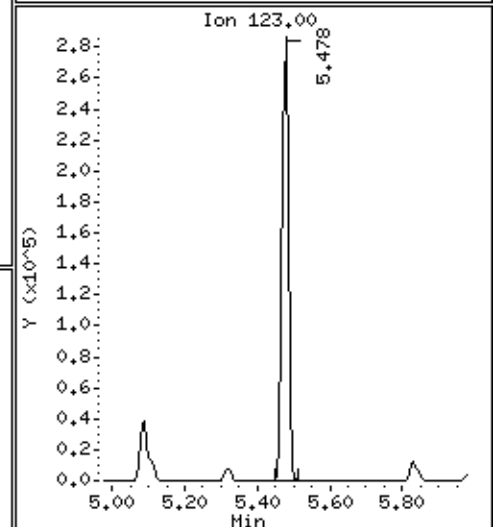
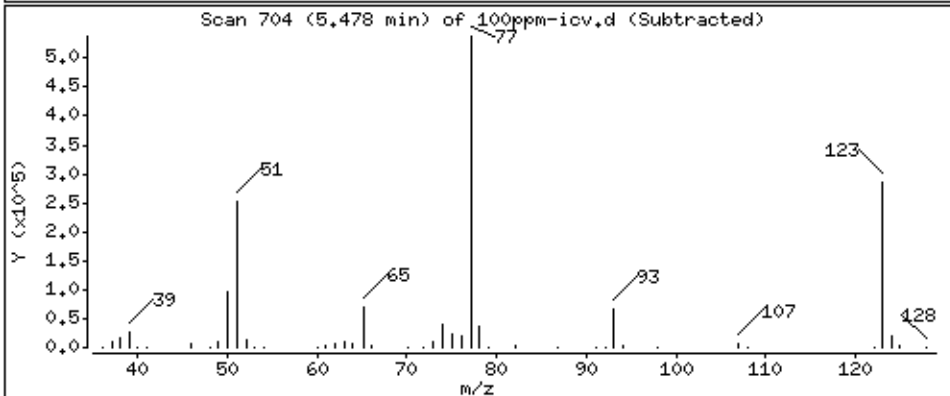
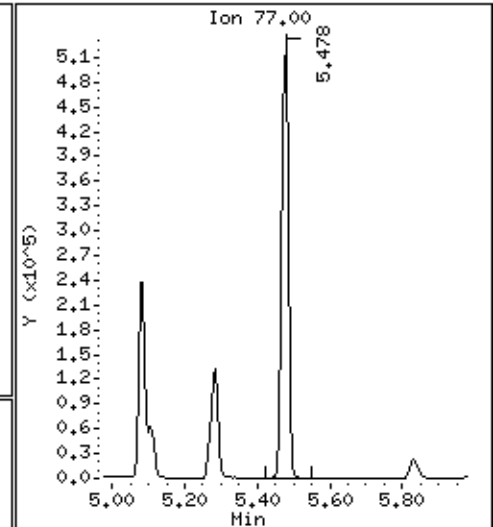
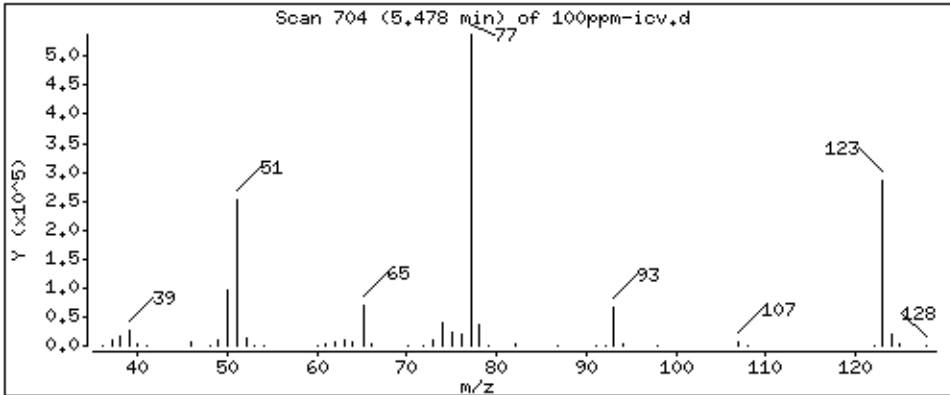
Operator: CEM

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

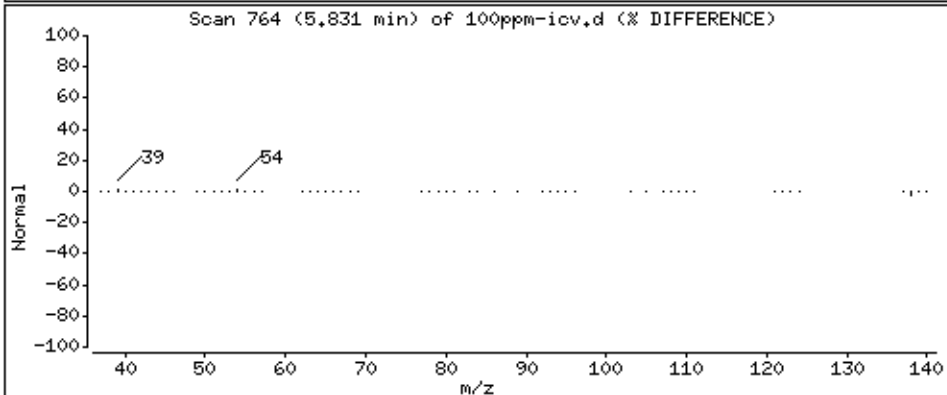
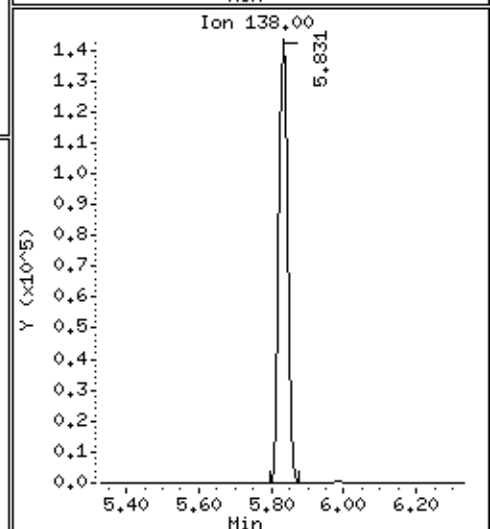
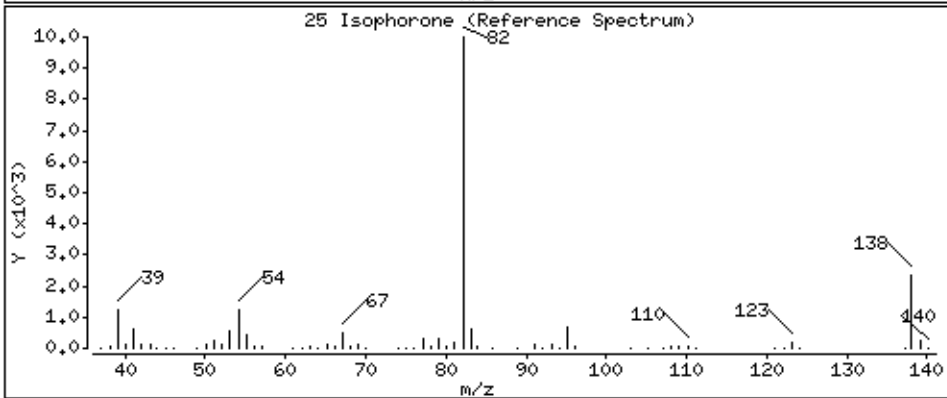
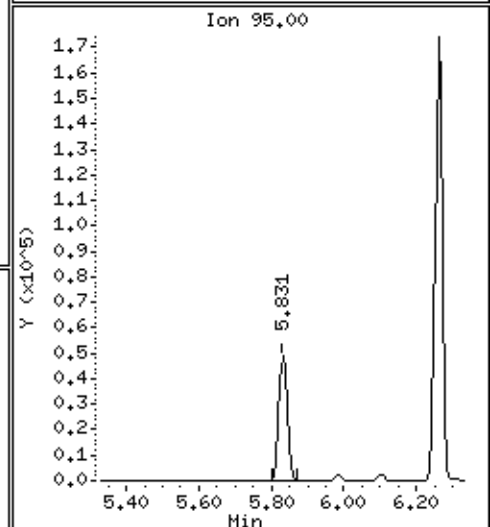
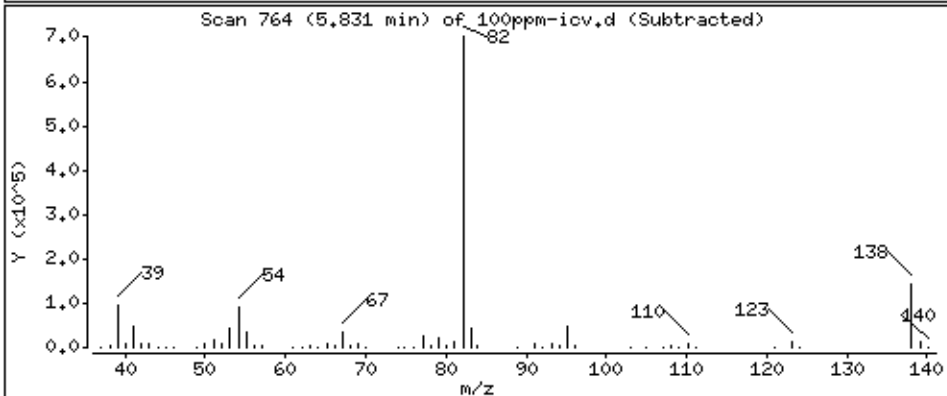
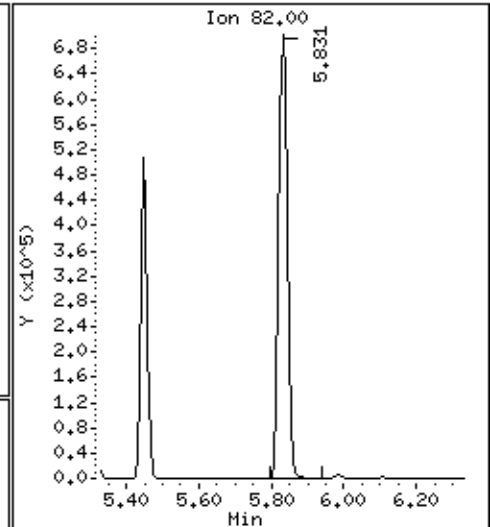
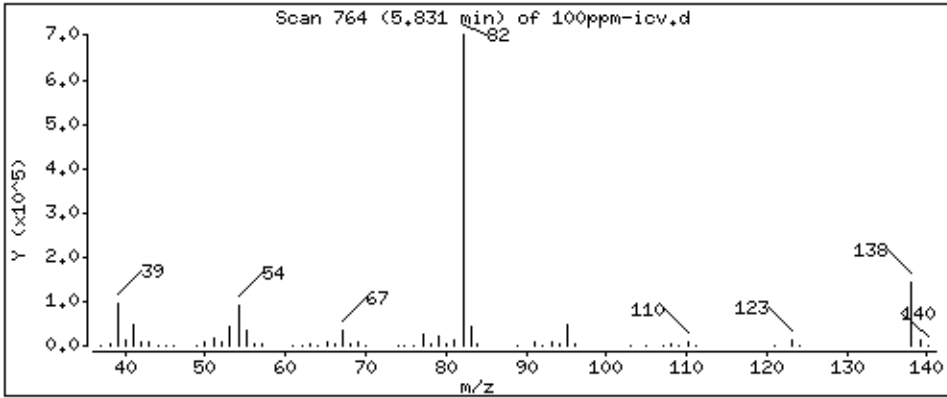
Operator: CEM

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

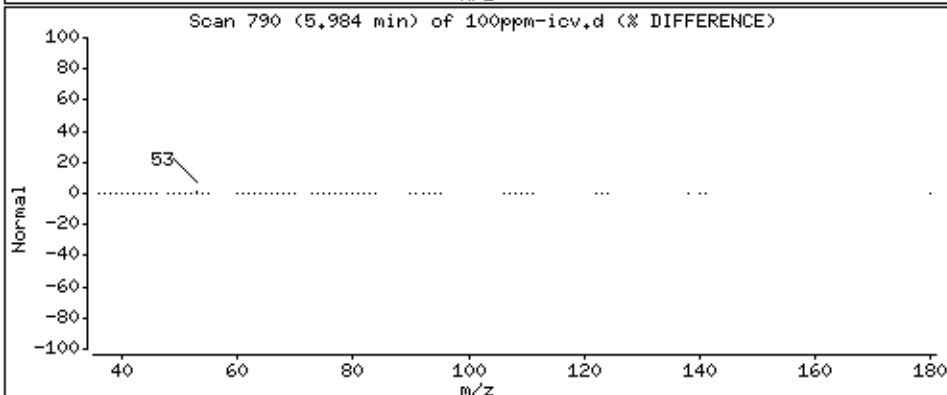
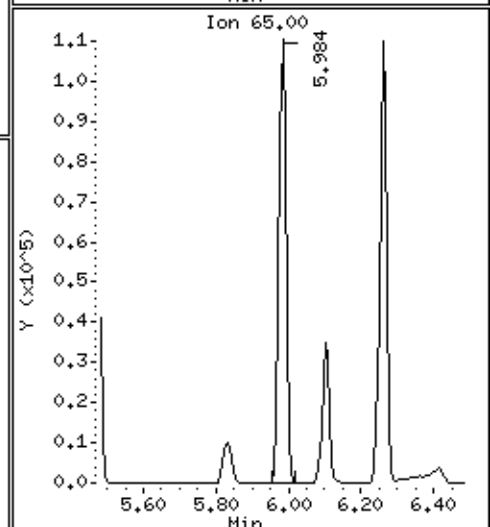
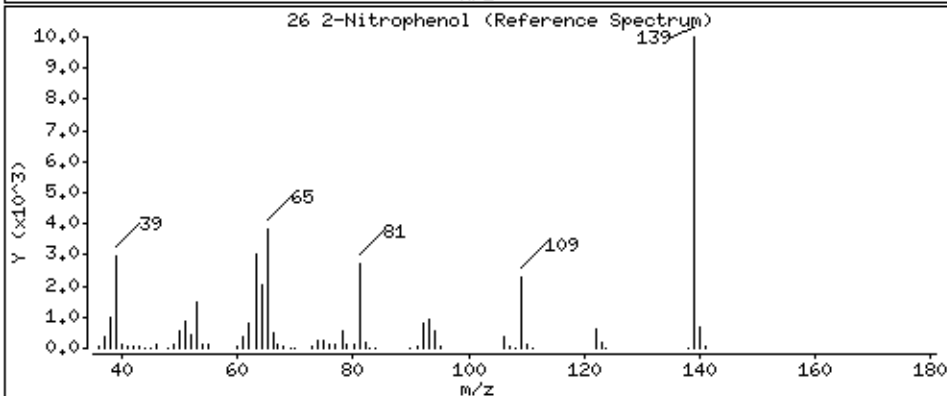
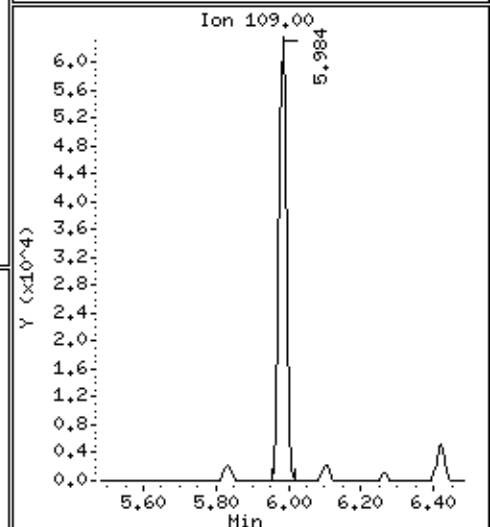
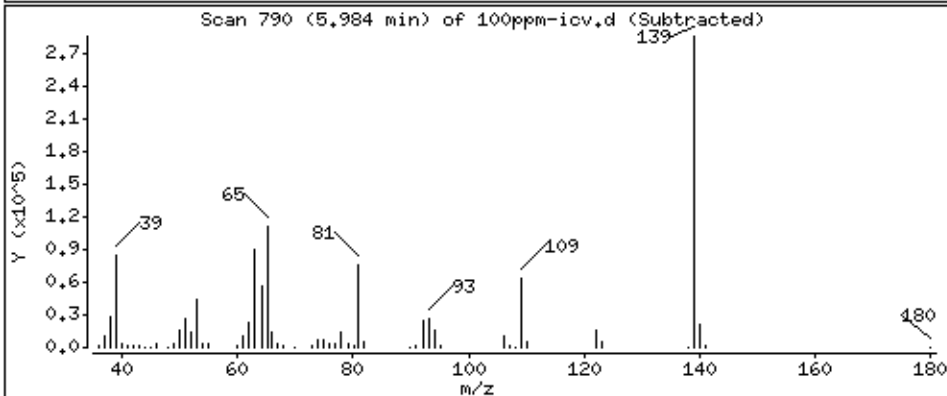
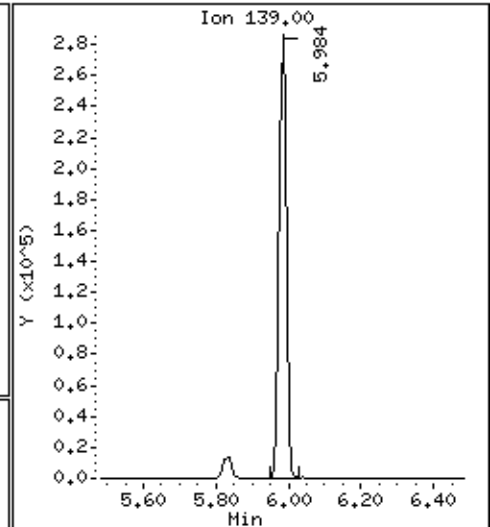
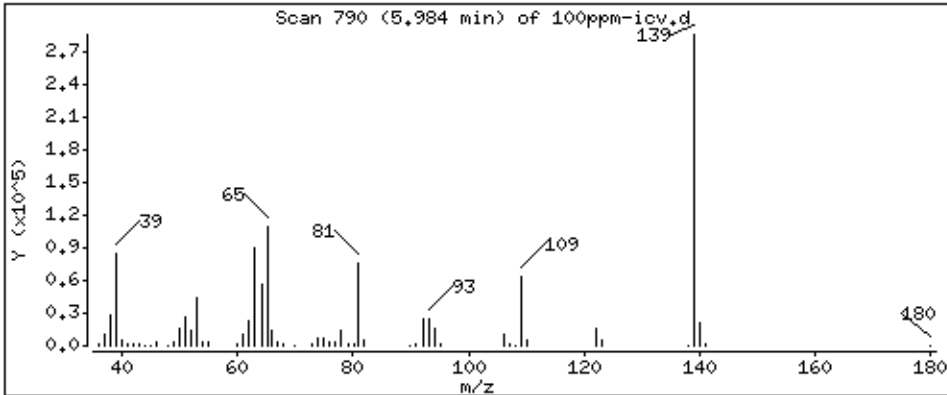
Operator: CEM

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

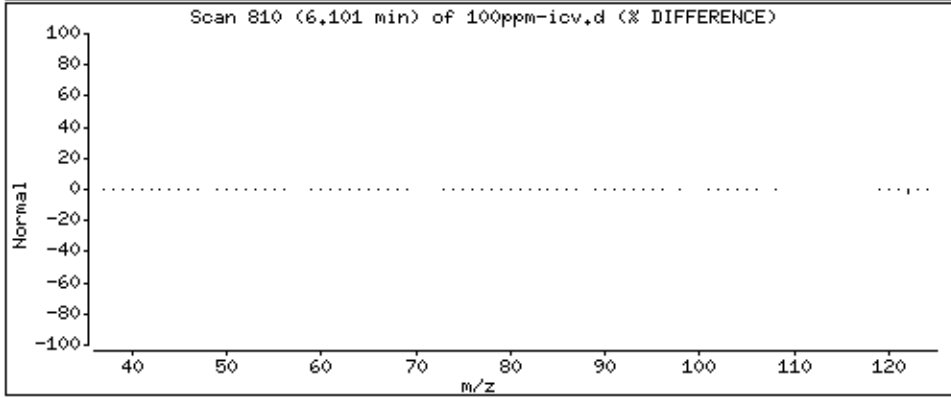
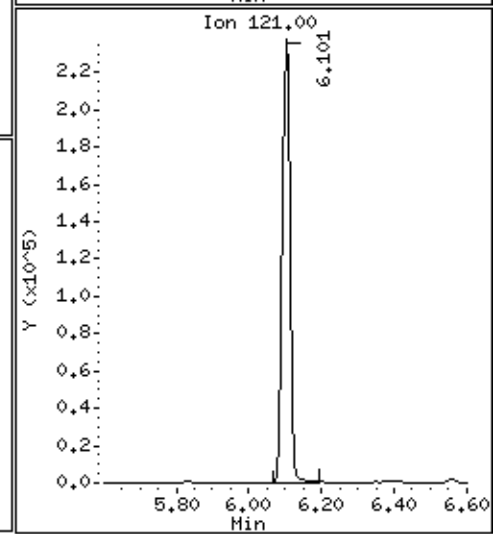
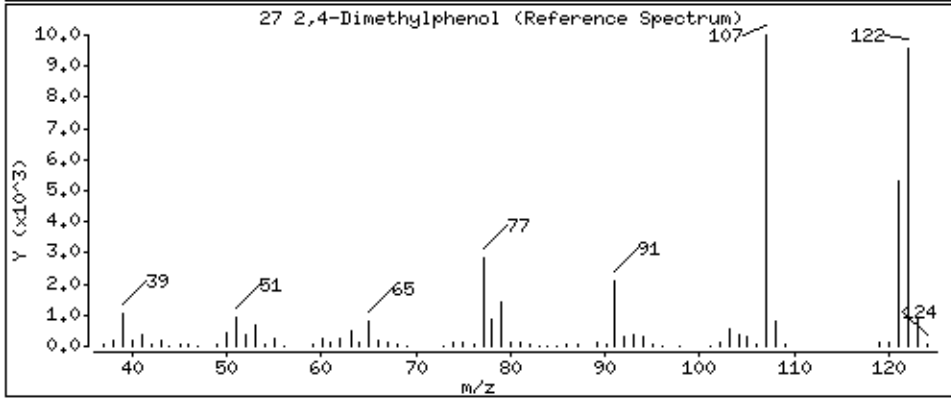
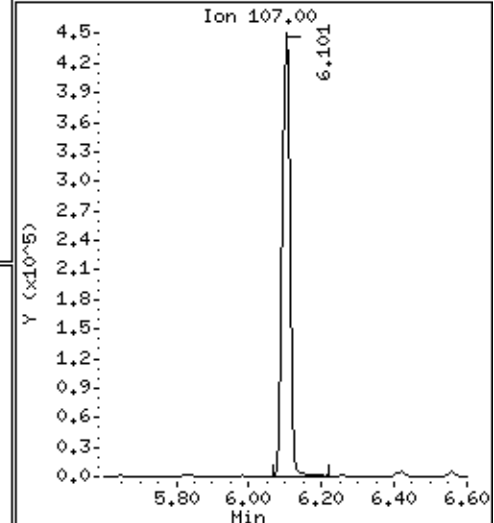
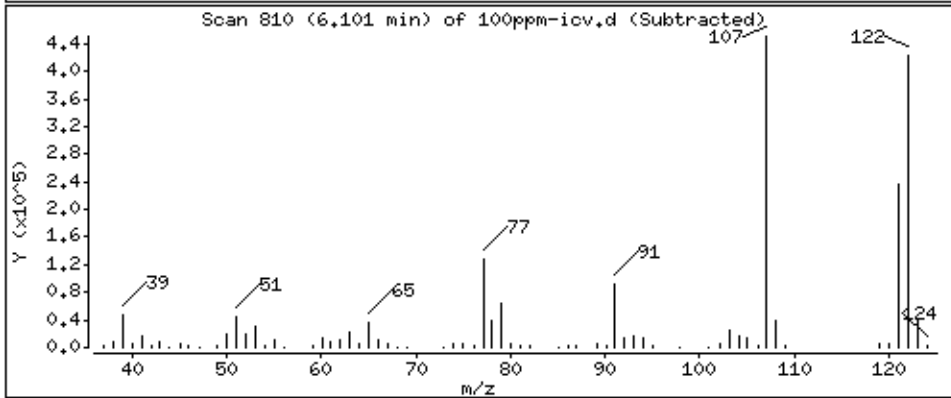
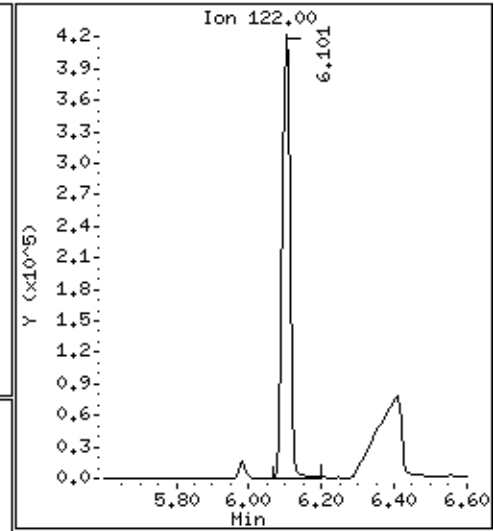
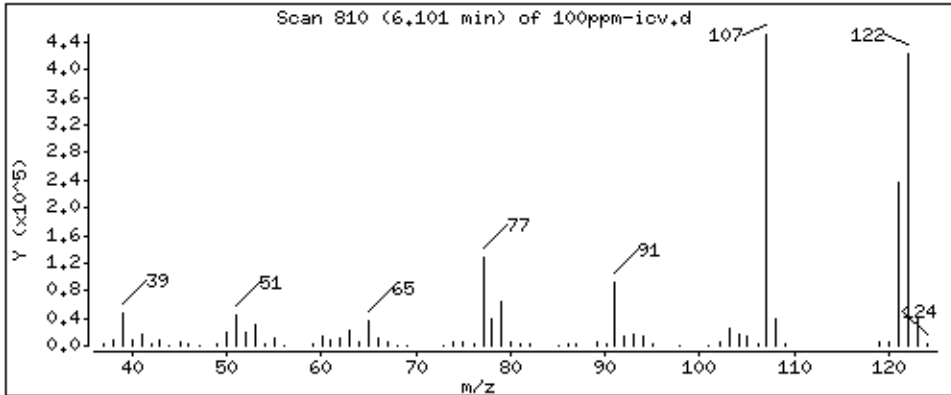
Operator: CEM

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

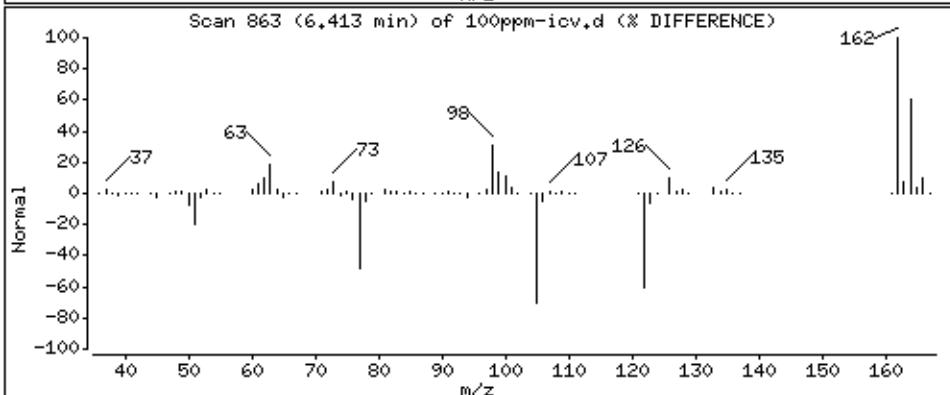
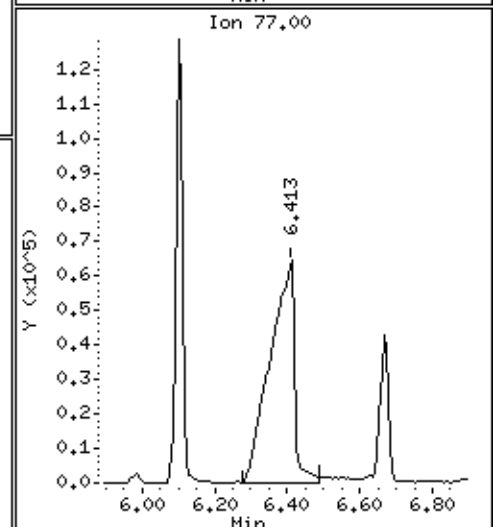
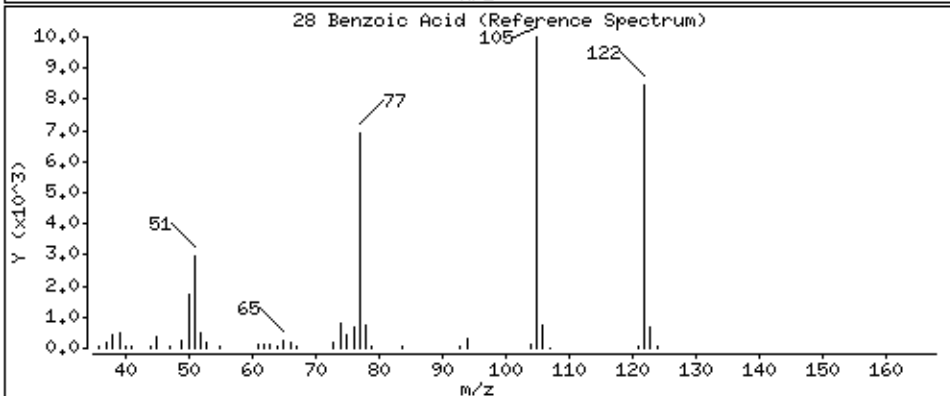
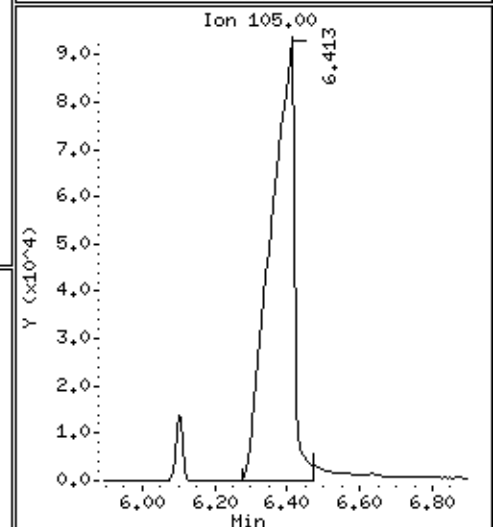
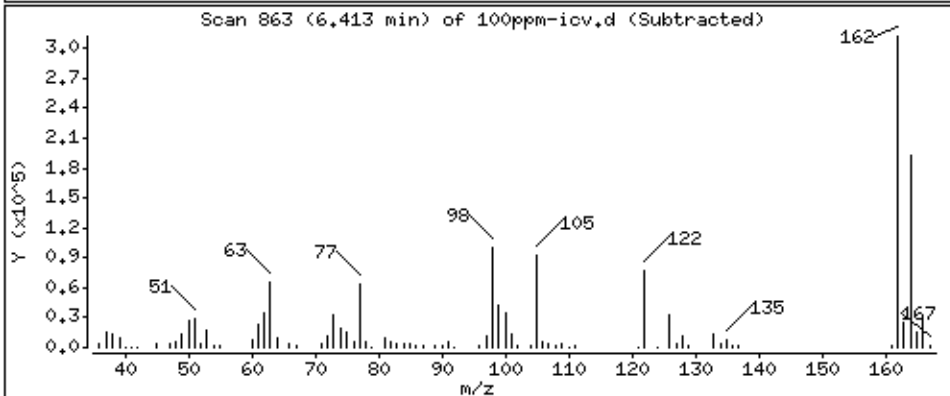
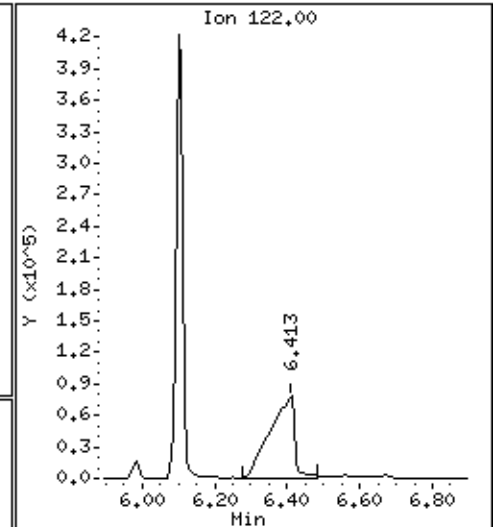
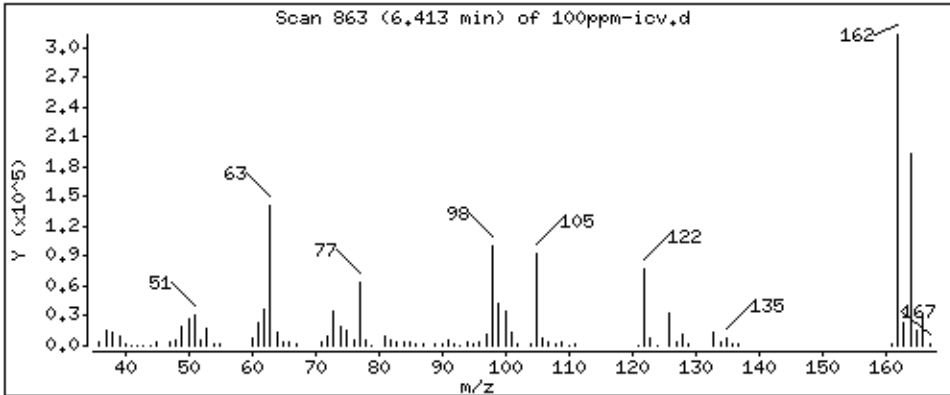
Operator: CEM

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

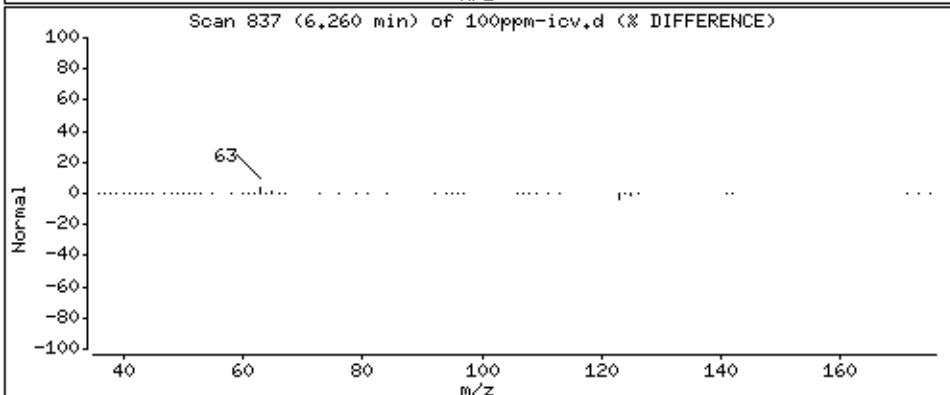
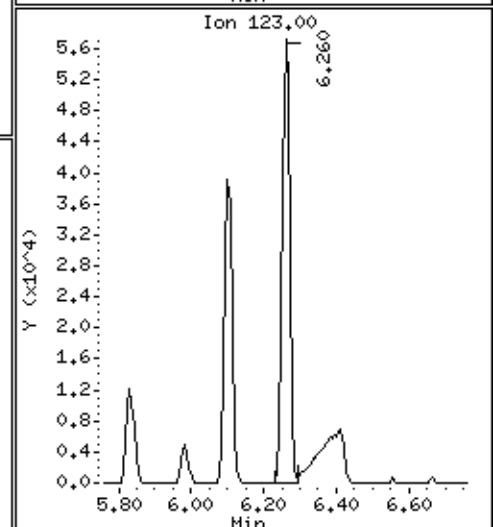
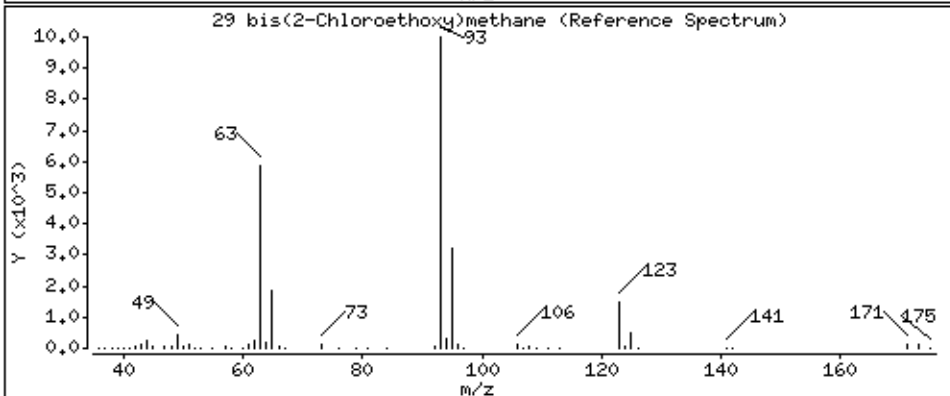
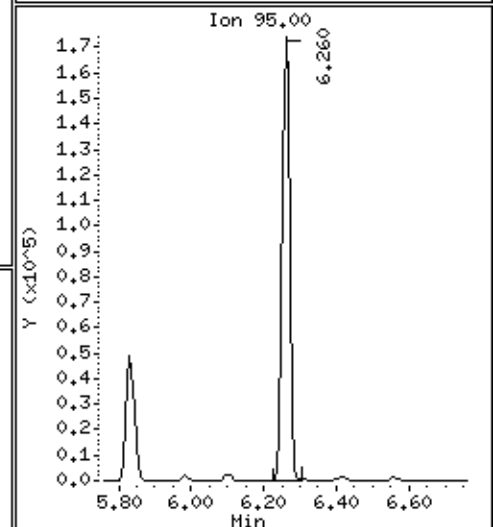
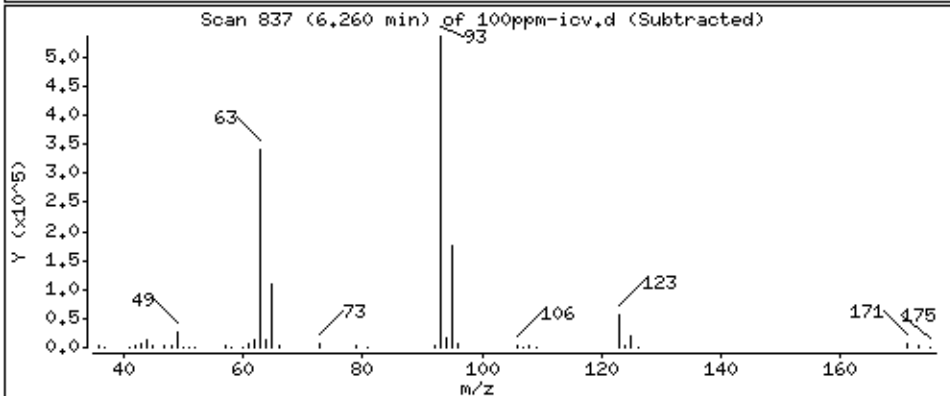
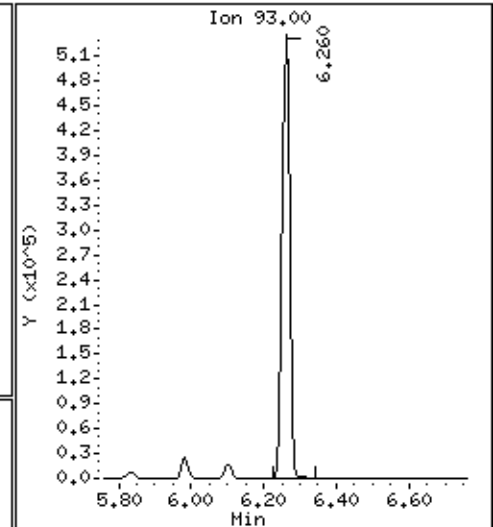
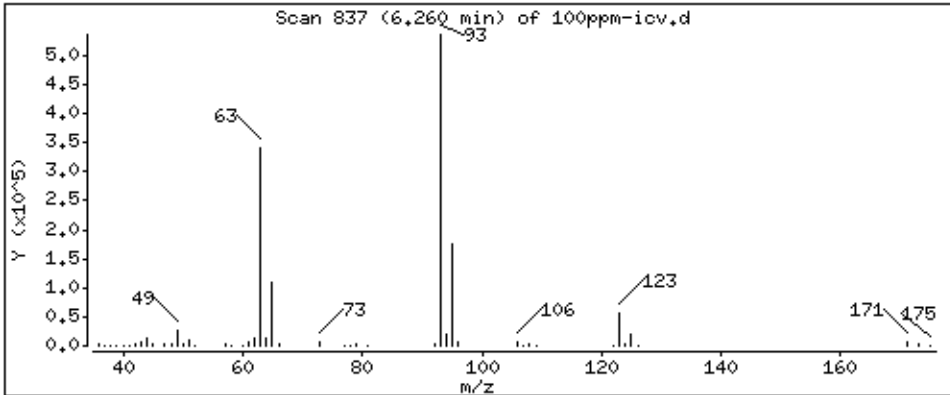
Operator: CEM

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

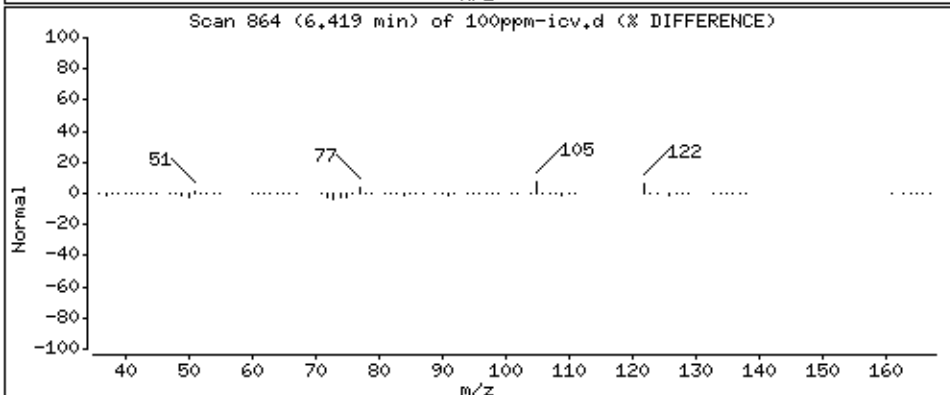
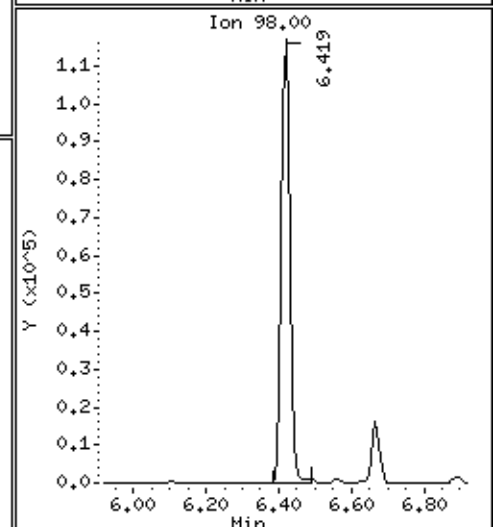
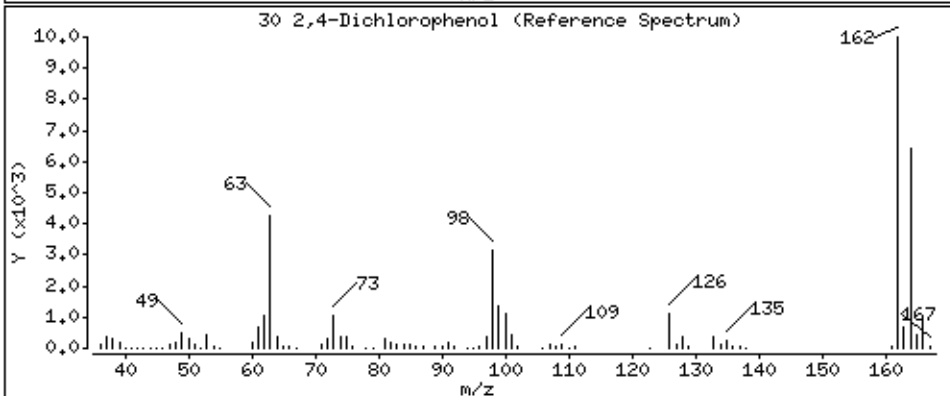
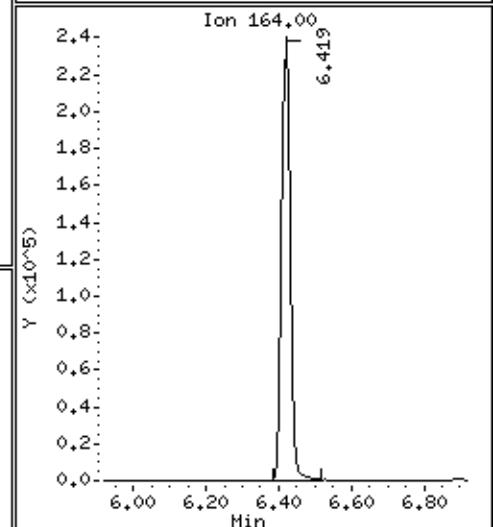
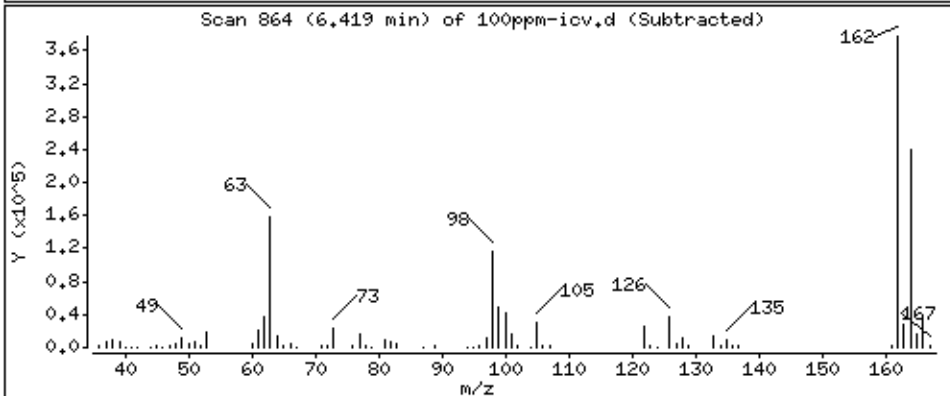
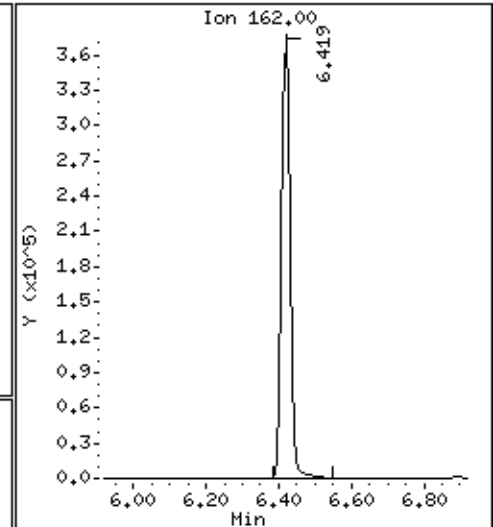
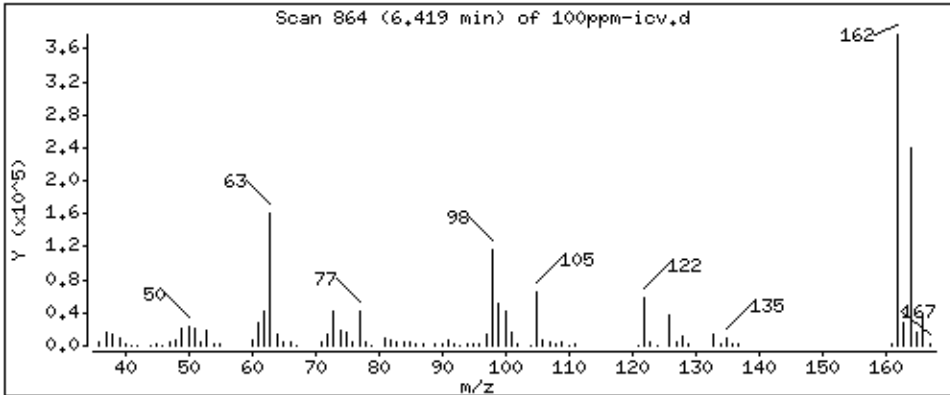
Operator: CEM

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

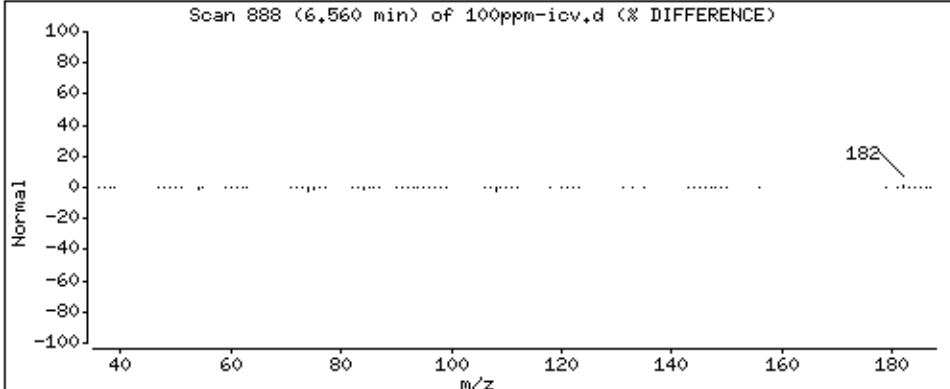
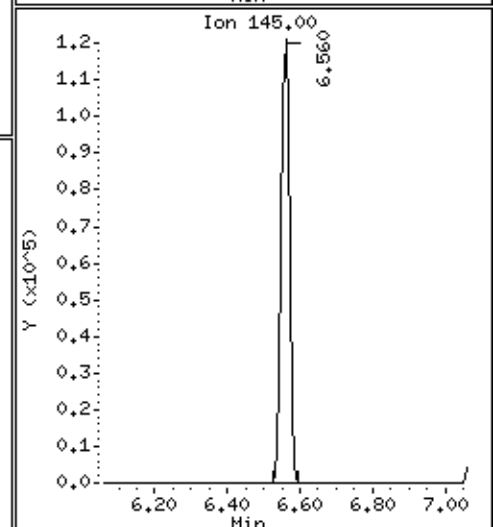
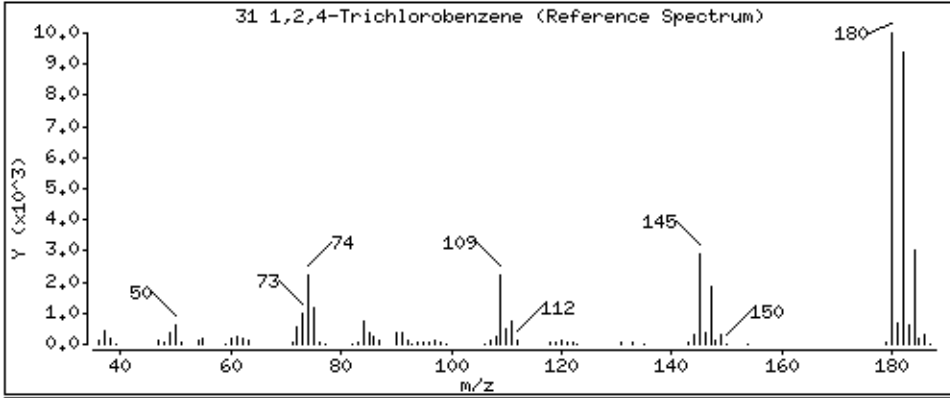
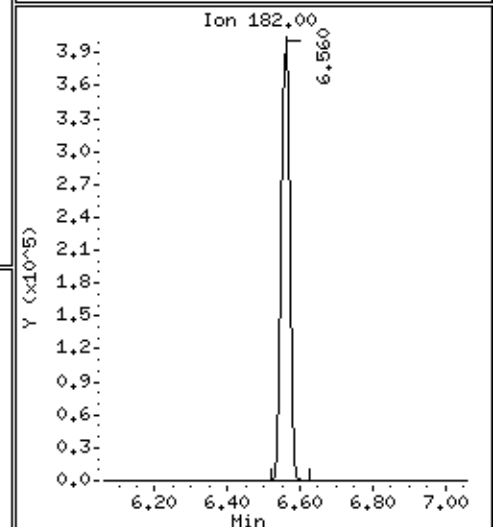
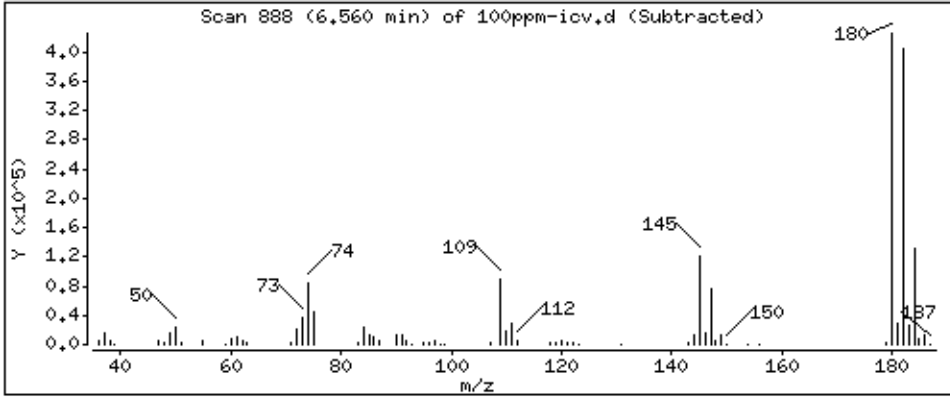
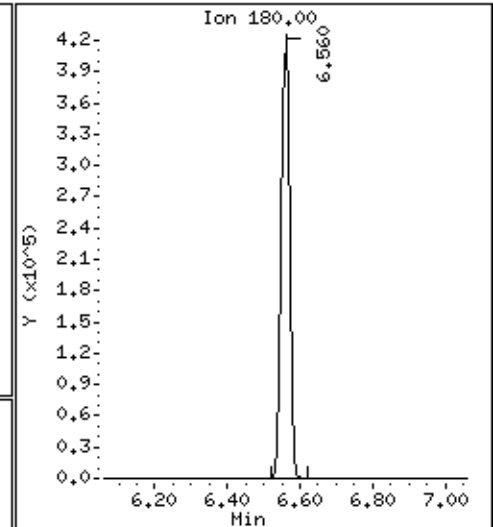
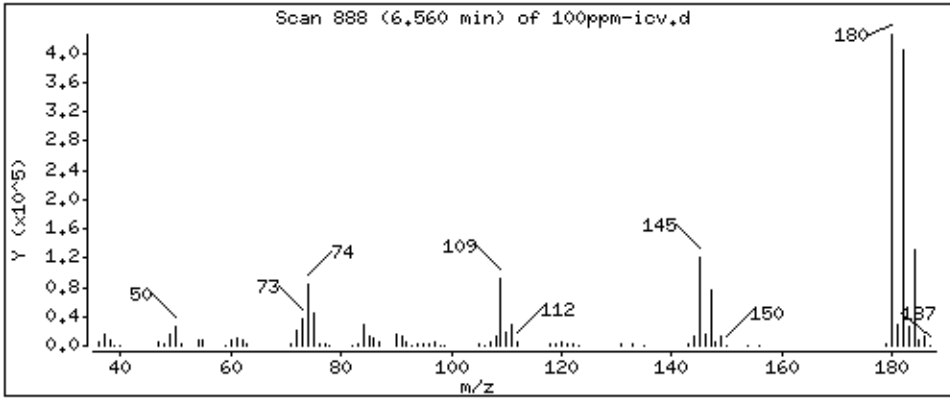
Operator: CEM

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

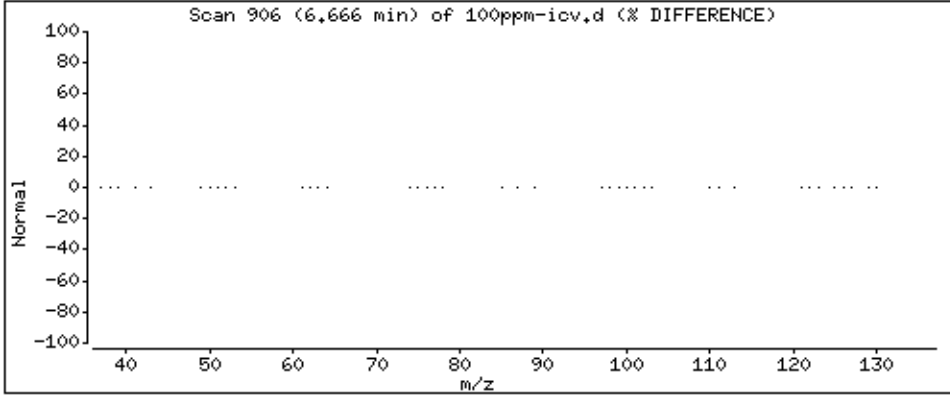
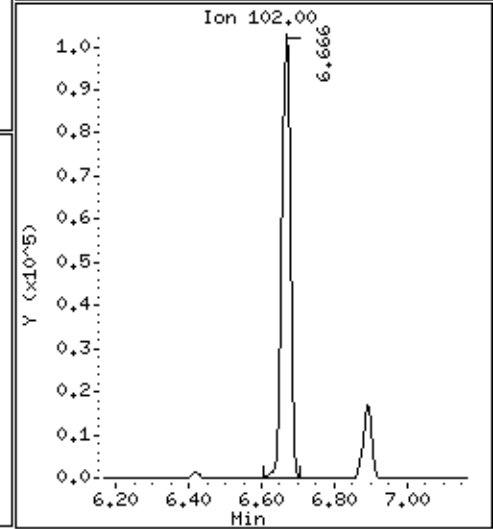
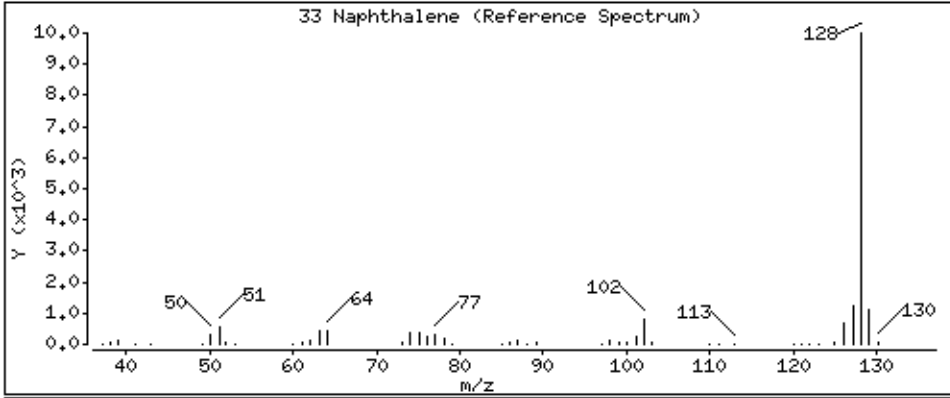
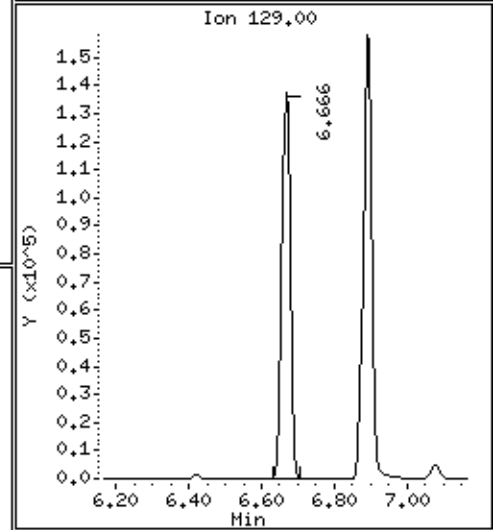
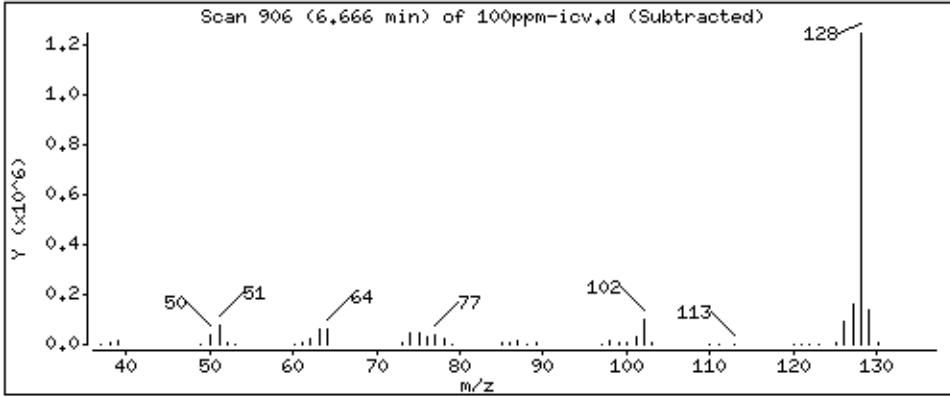
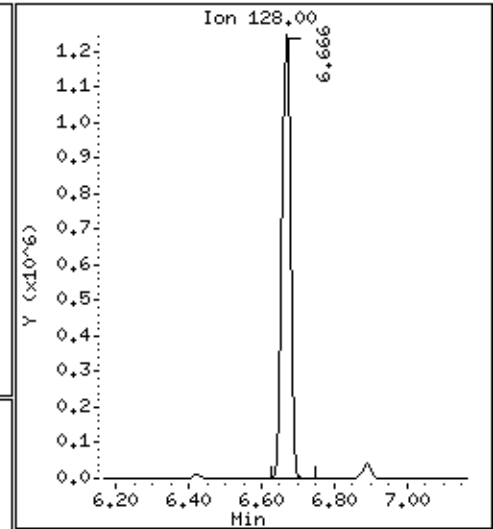
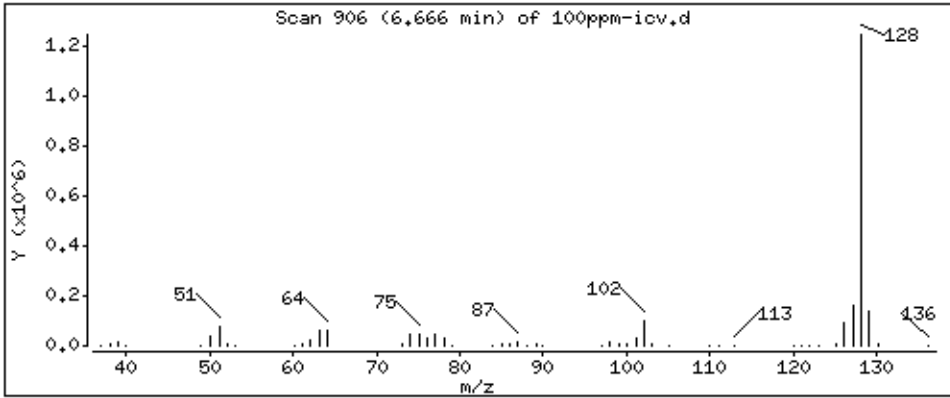
Operator: CEM

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

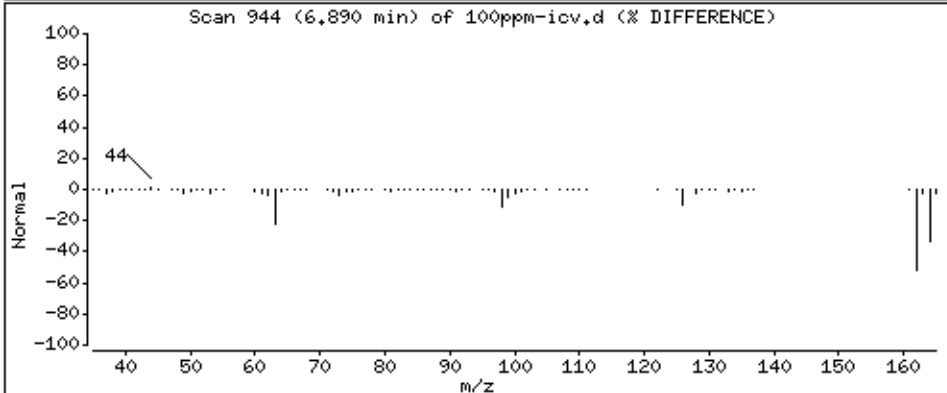
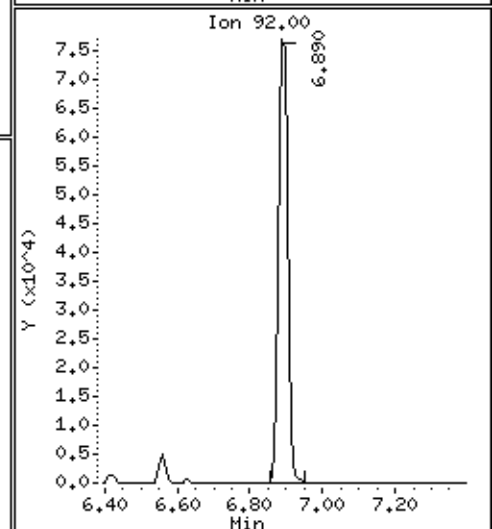
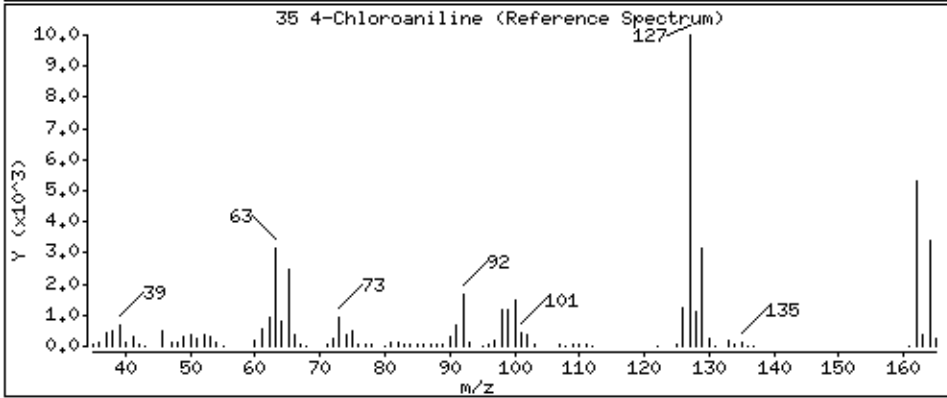
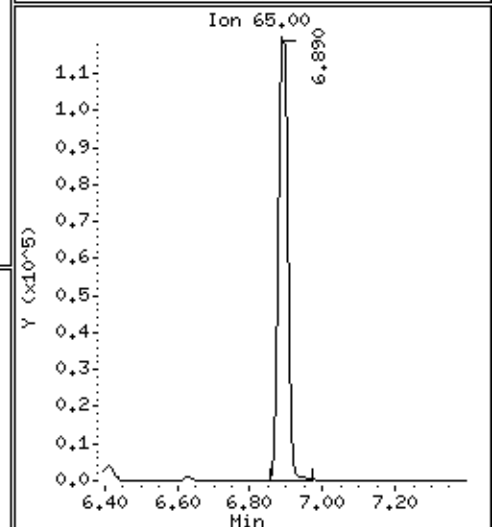
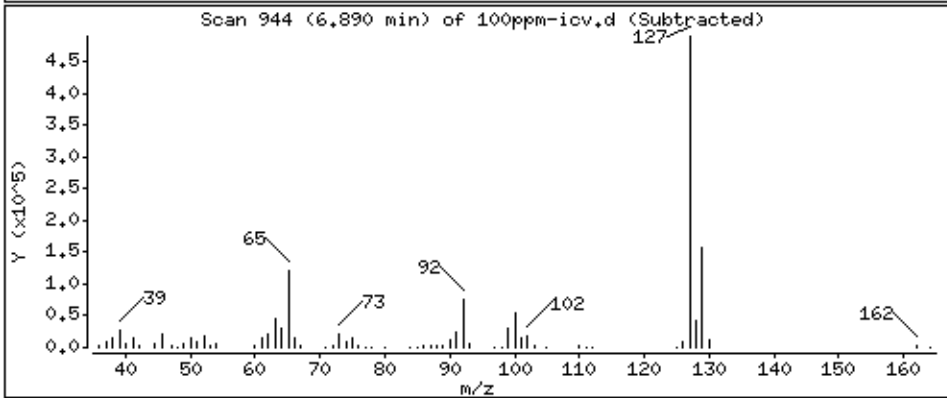
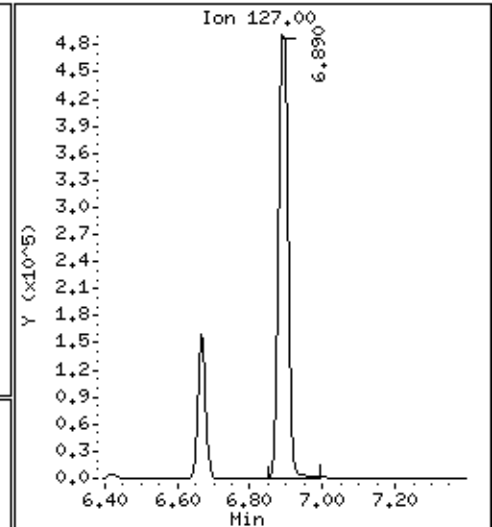
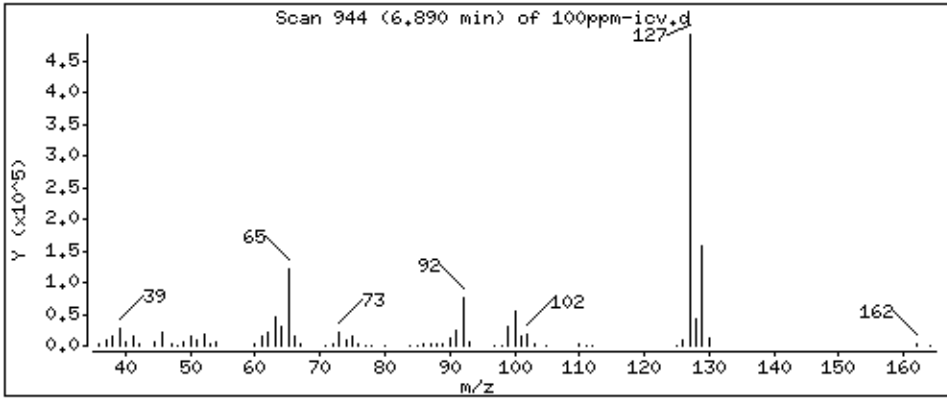
Operator: CEM

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

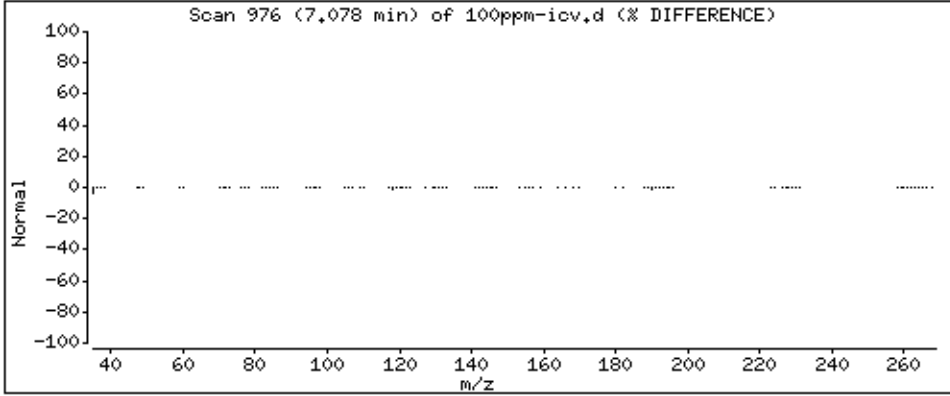
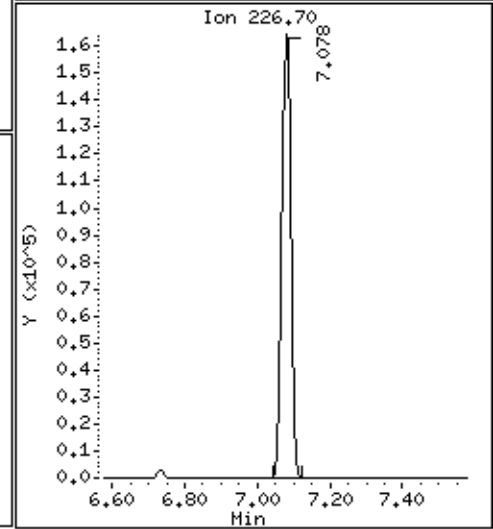
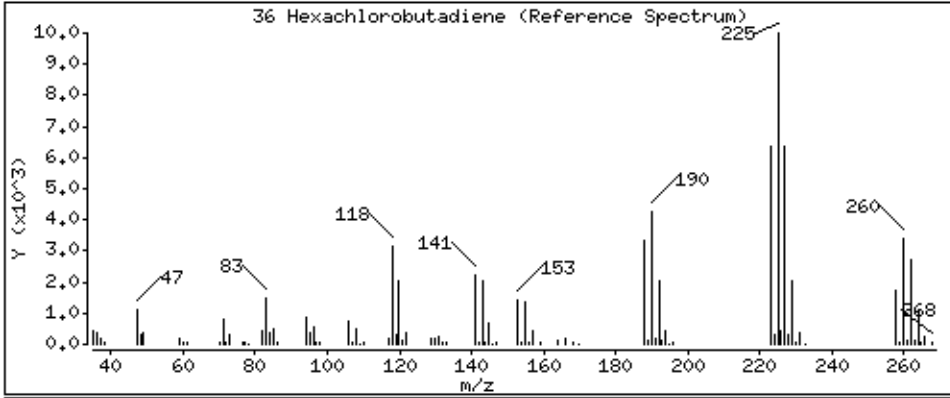
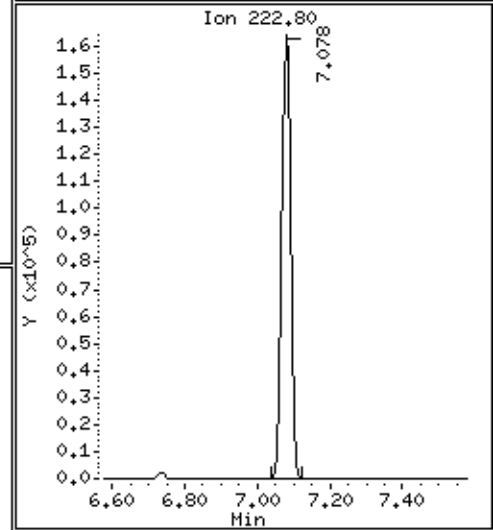
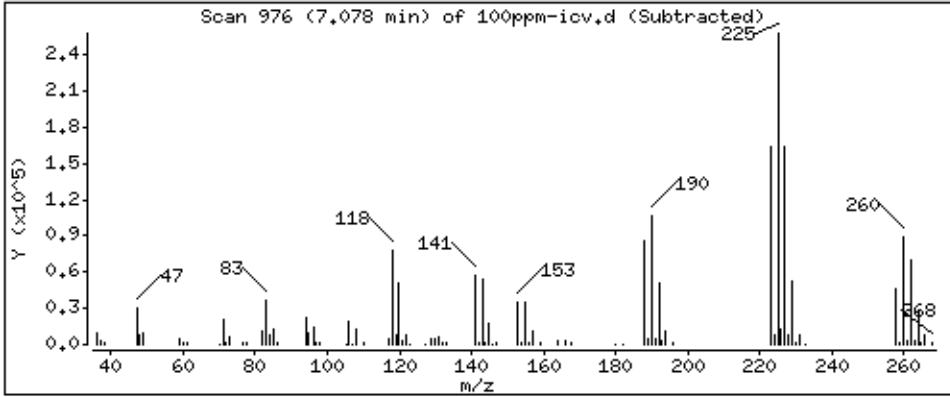
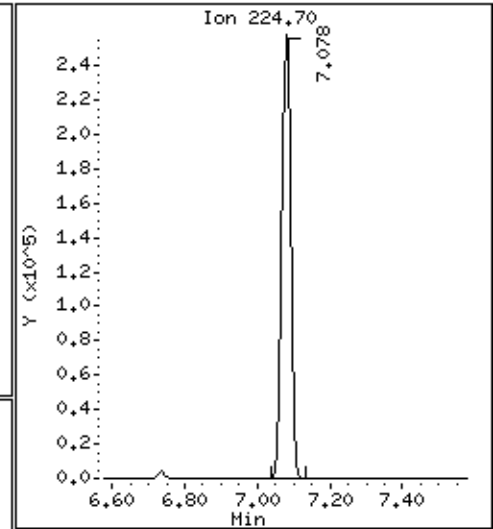
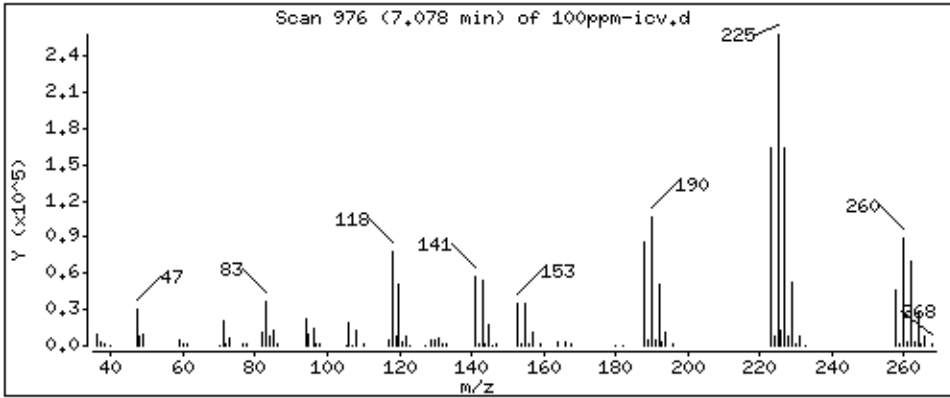
Operator: CEM

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

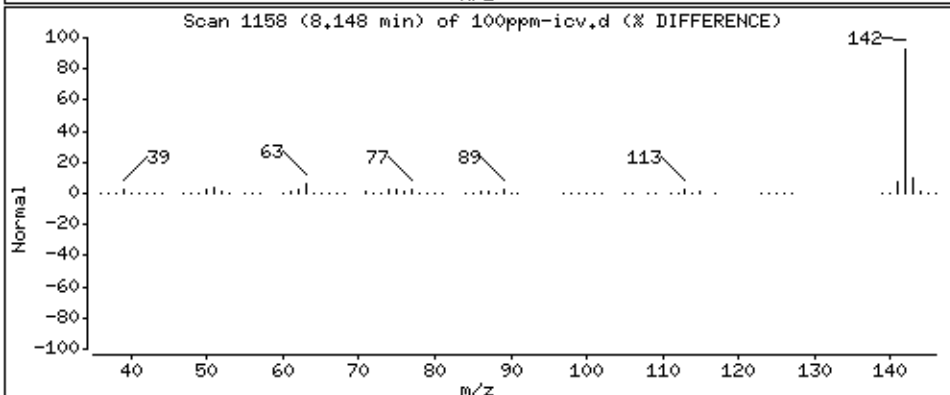
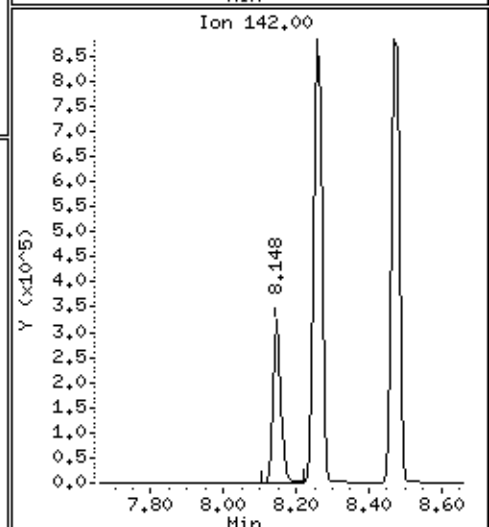
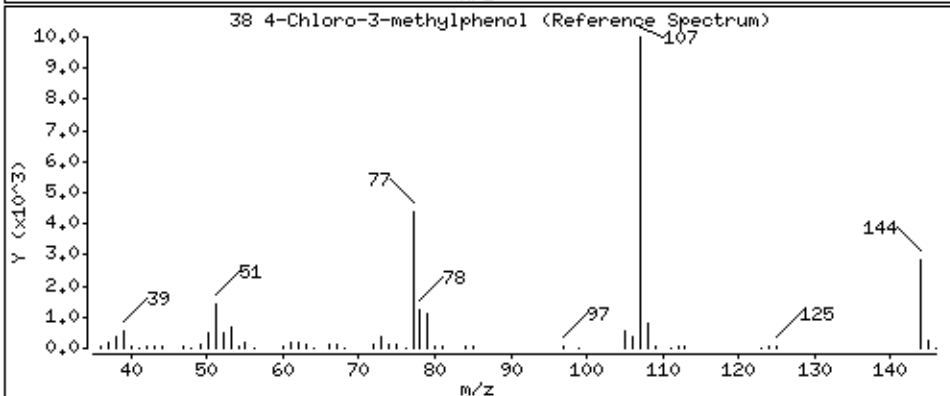
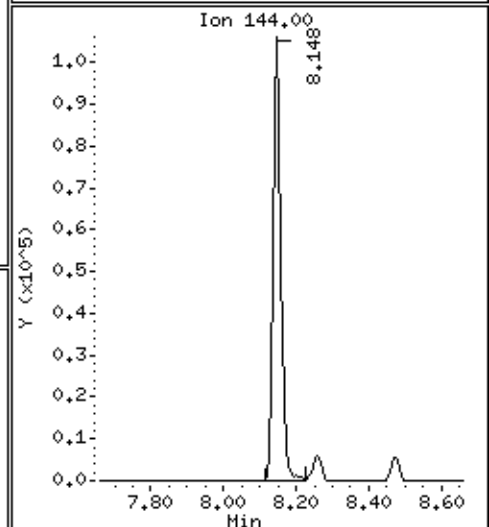
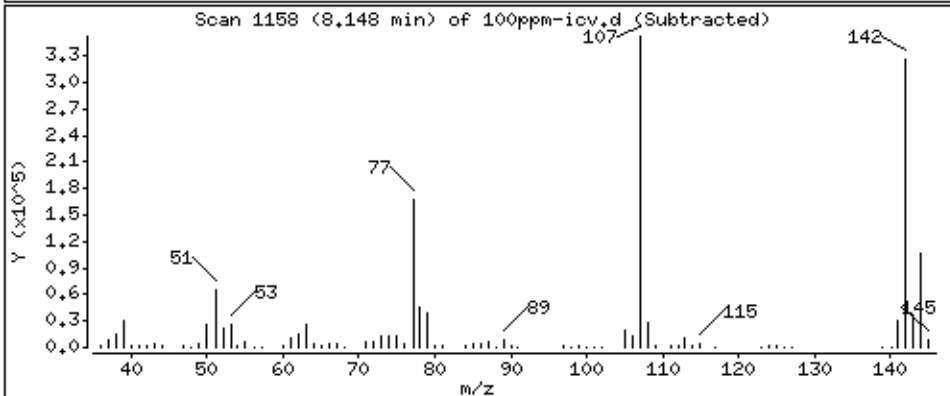
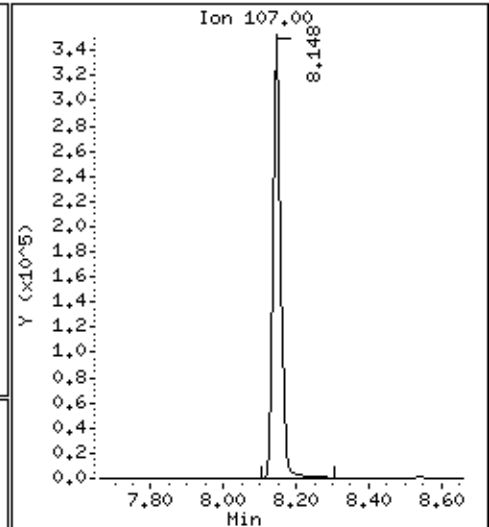
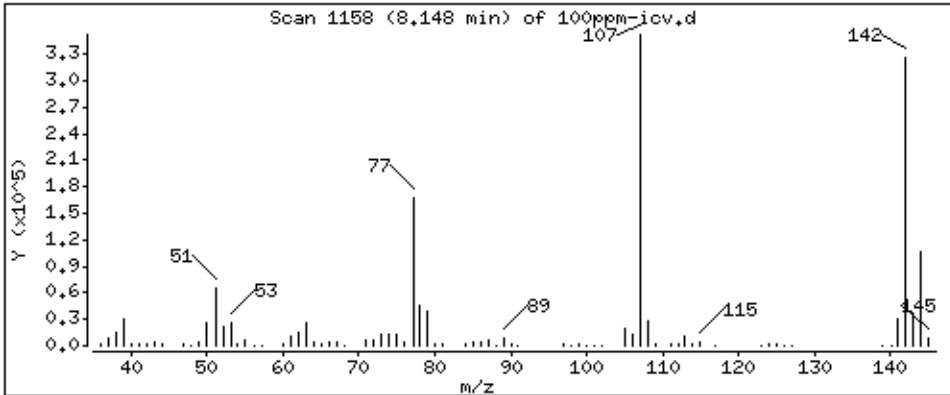
Operator: CEM

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

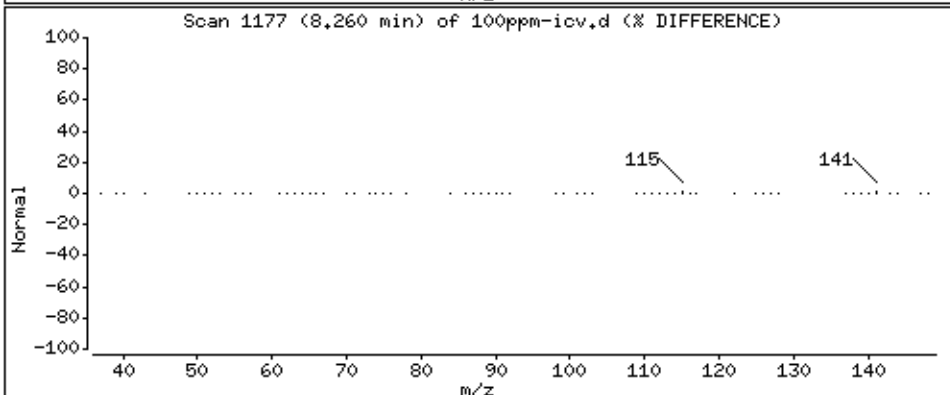
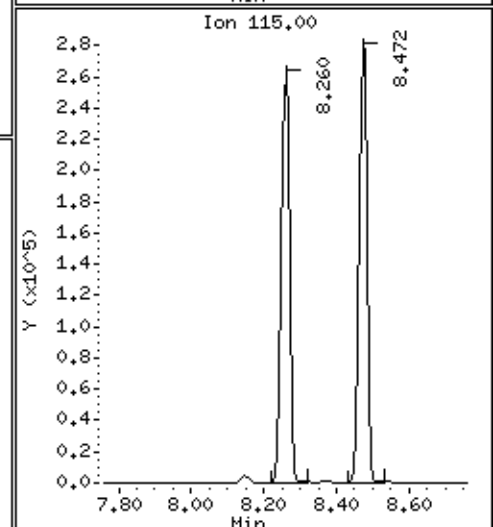
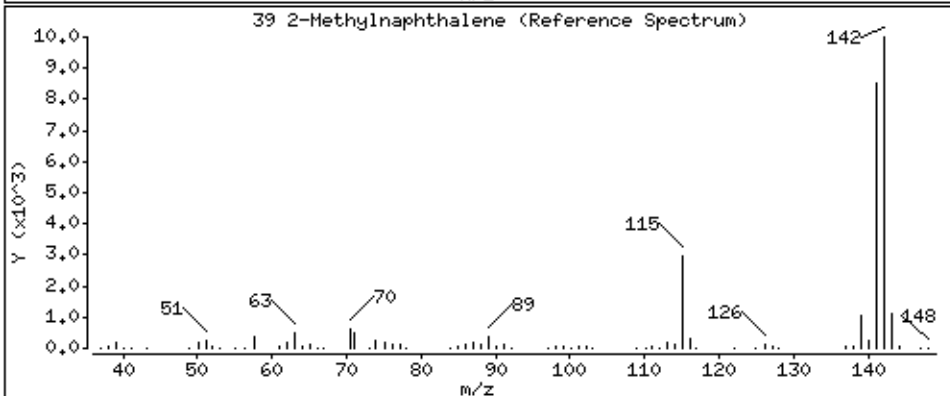
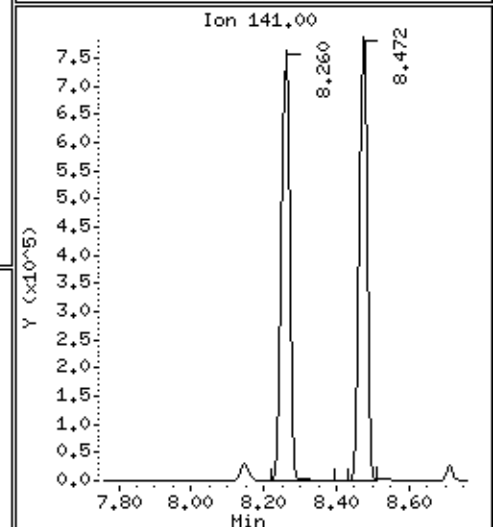
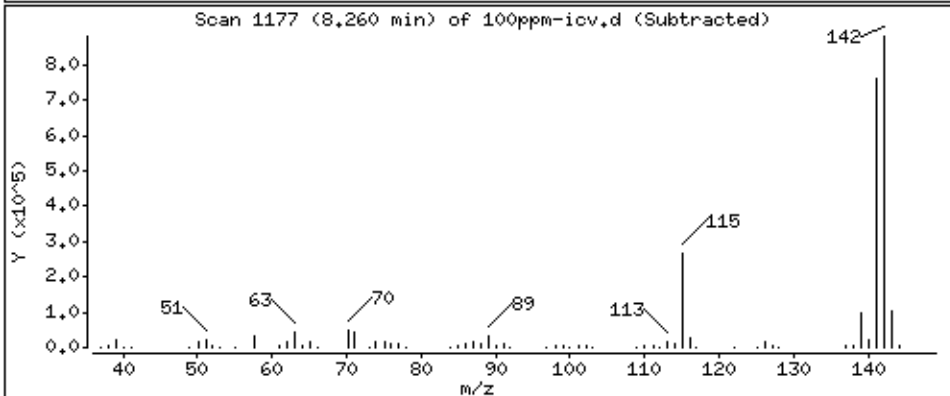
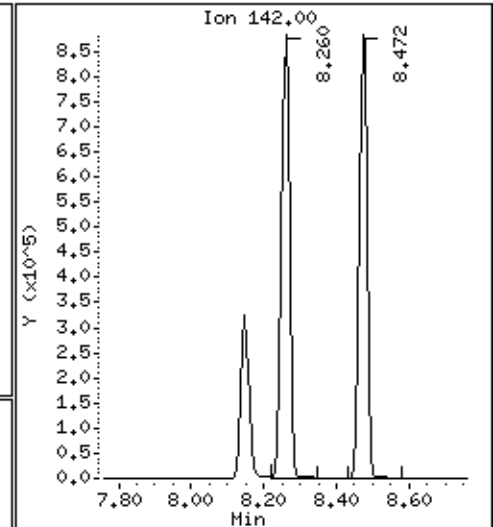
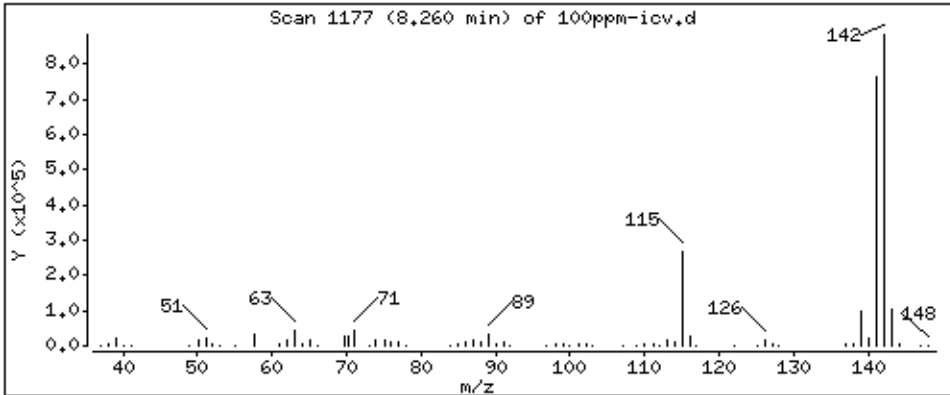
Operator: CEM

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

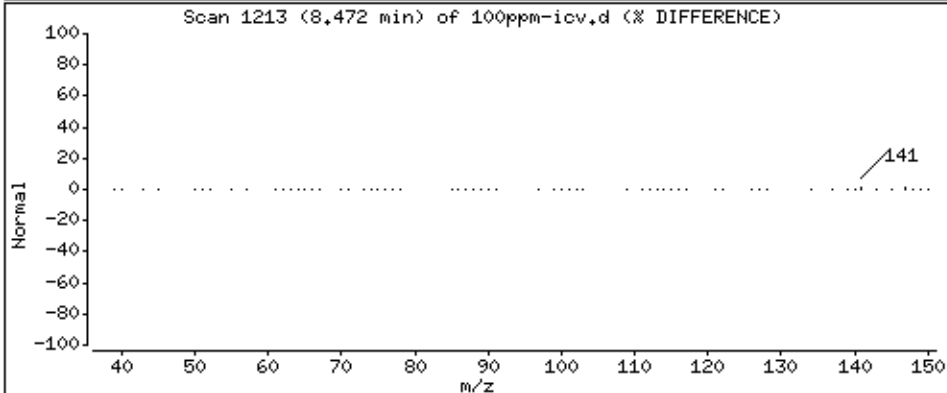
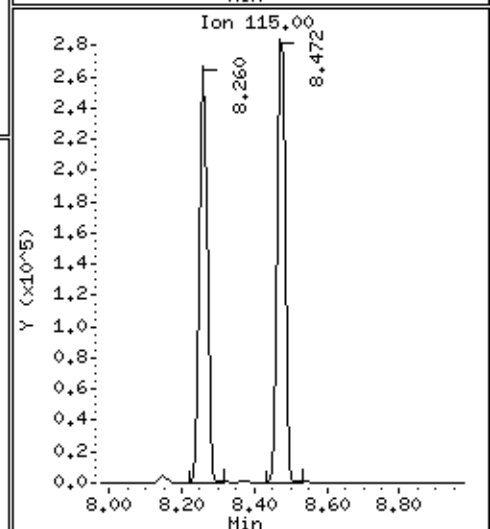
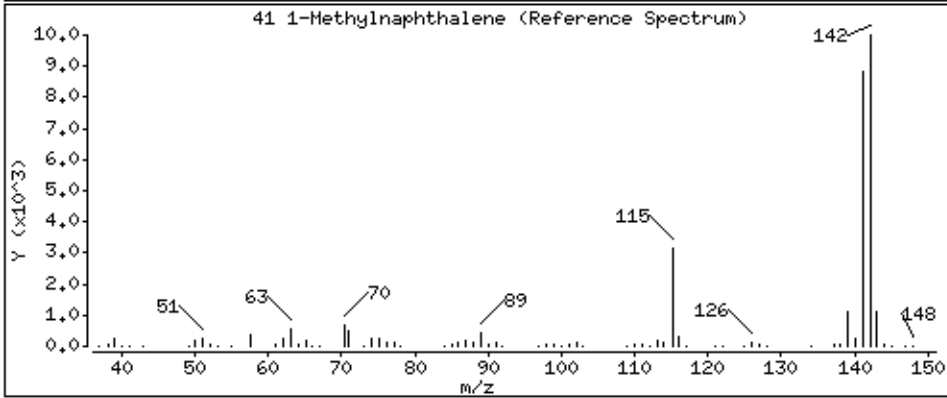
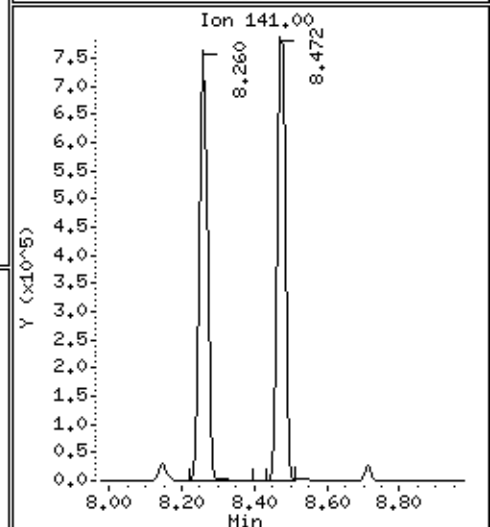
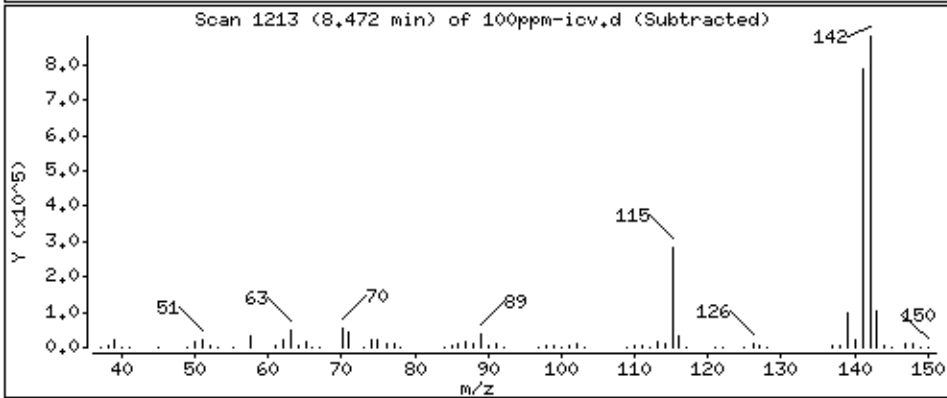
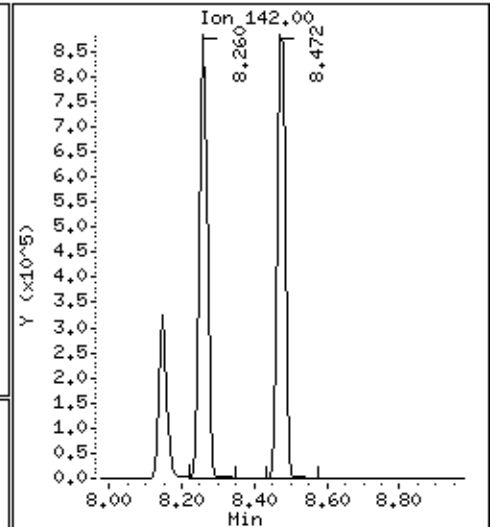
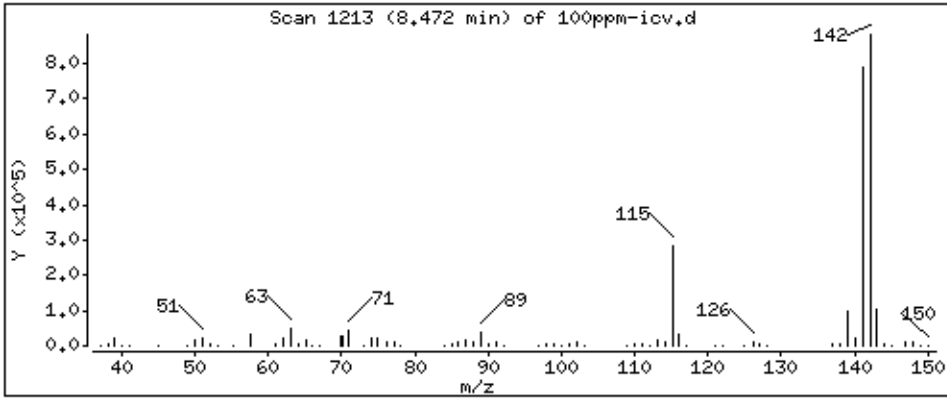
Operator: CEM

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

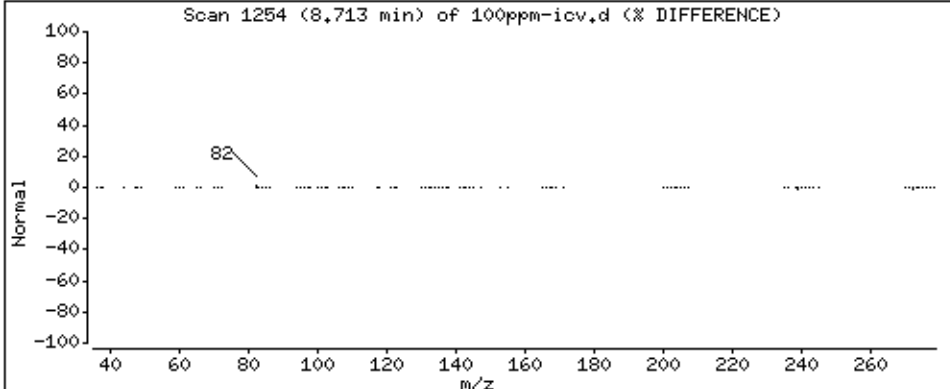
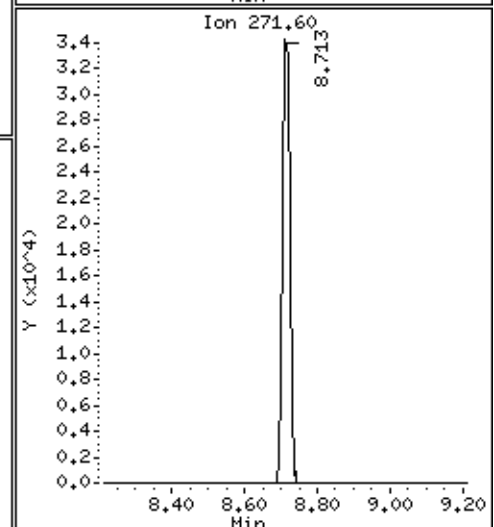
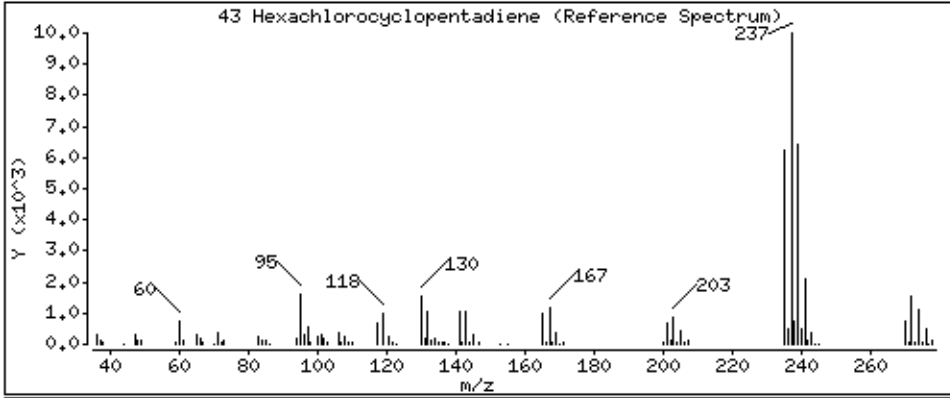
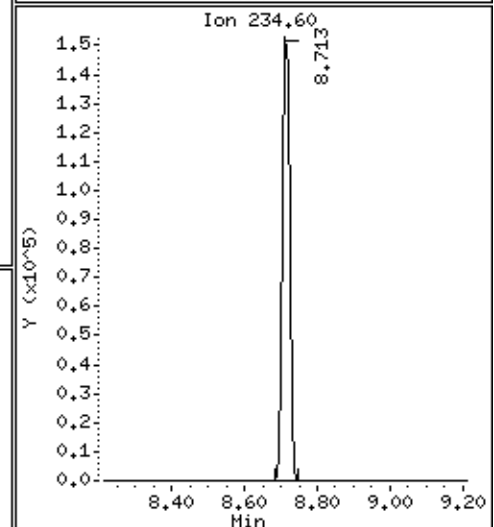
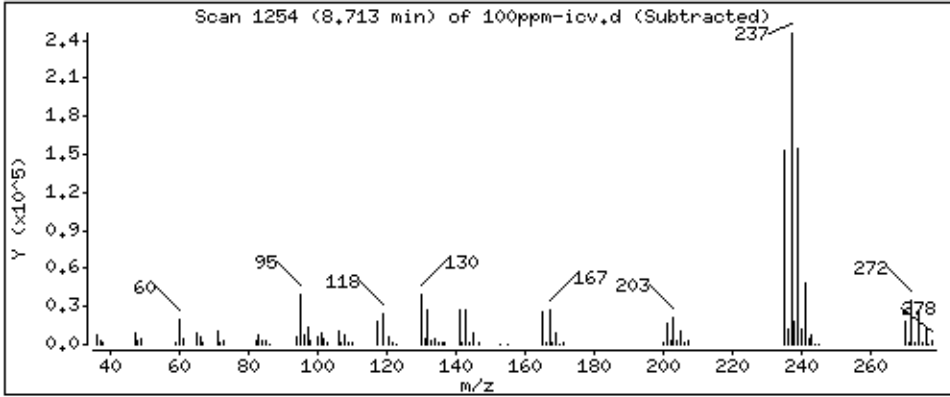
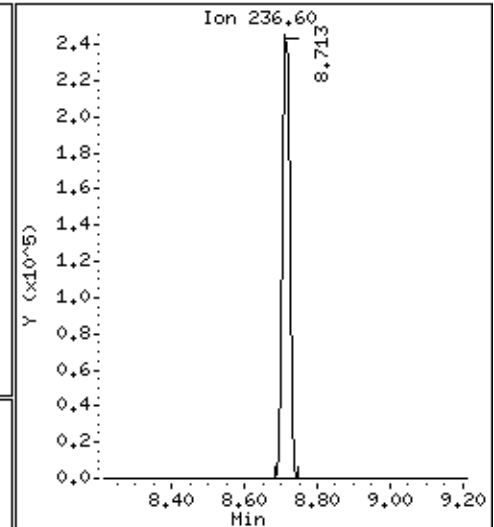
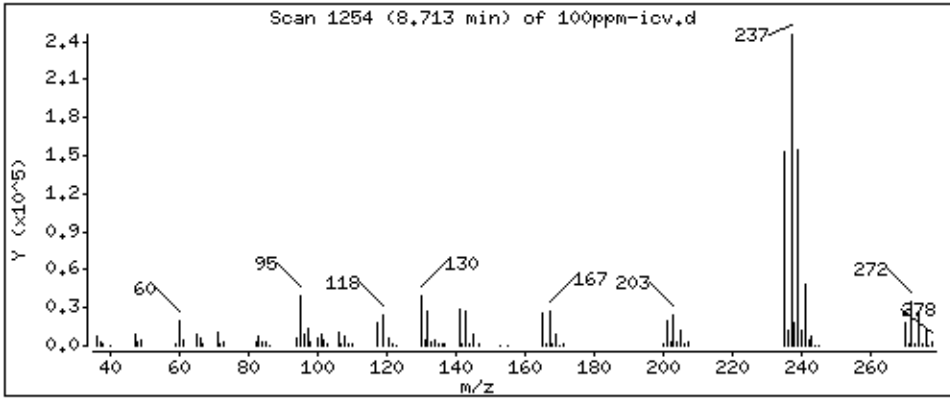
Operator: CEM

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

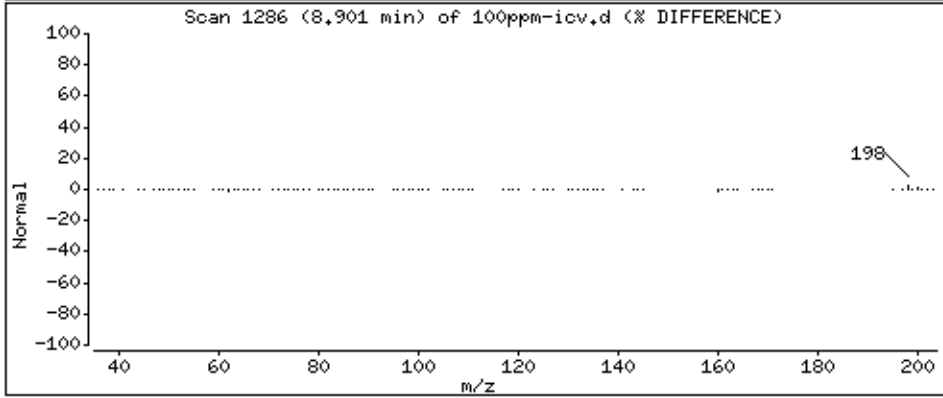
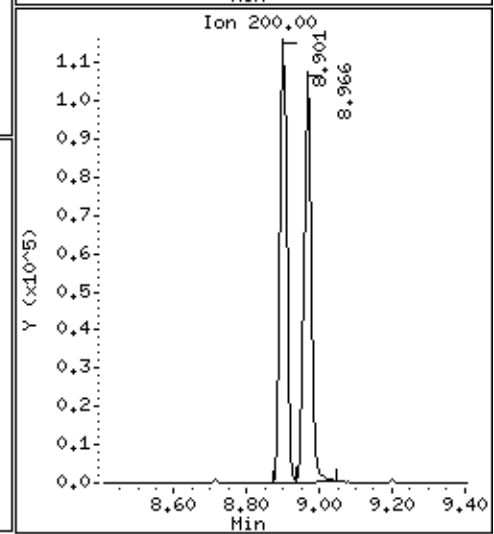
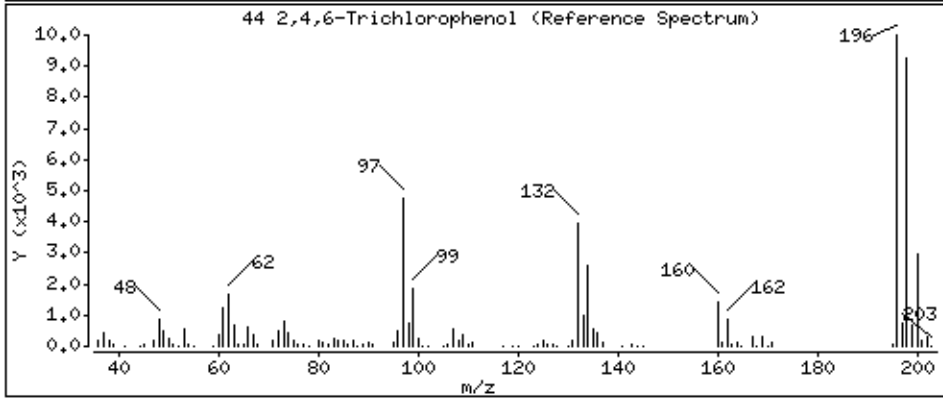
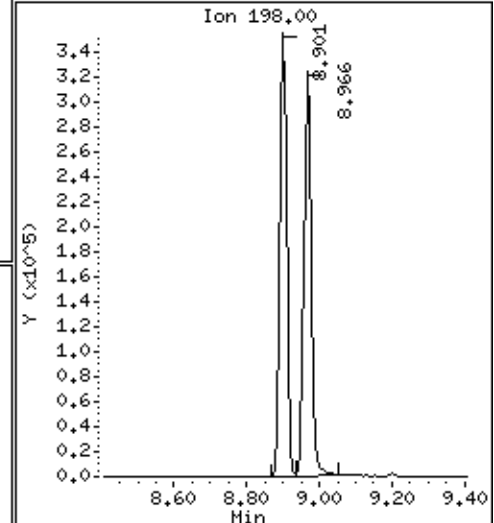
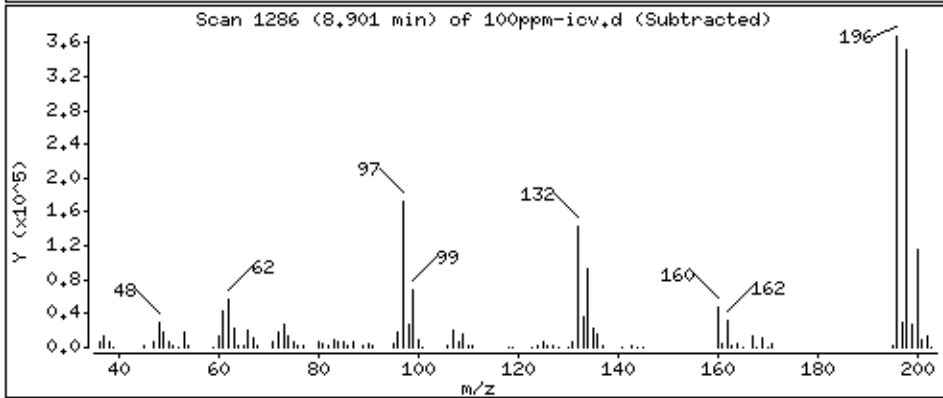
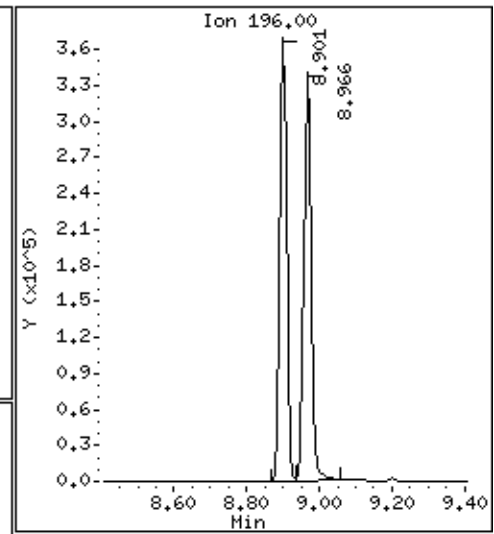
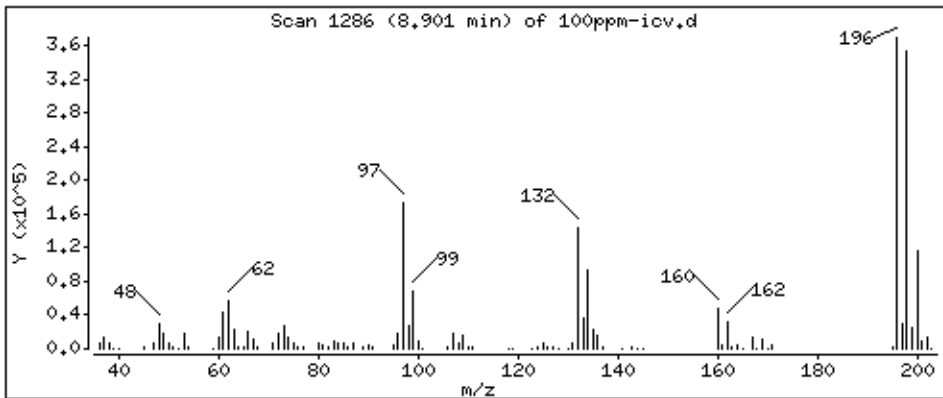
Operator: CEM

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

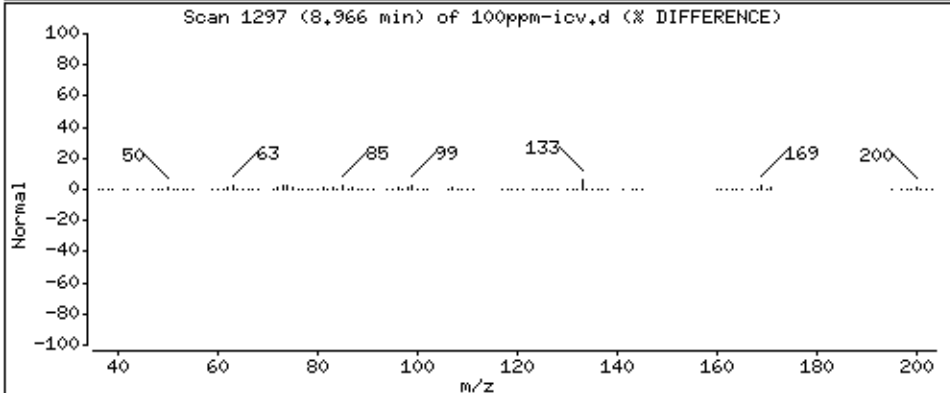
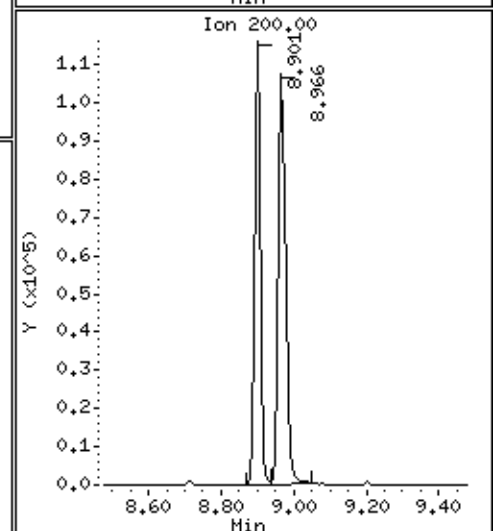
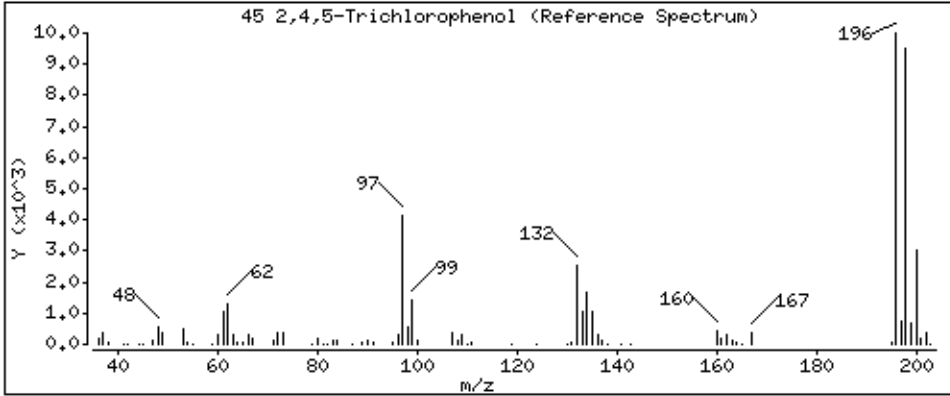
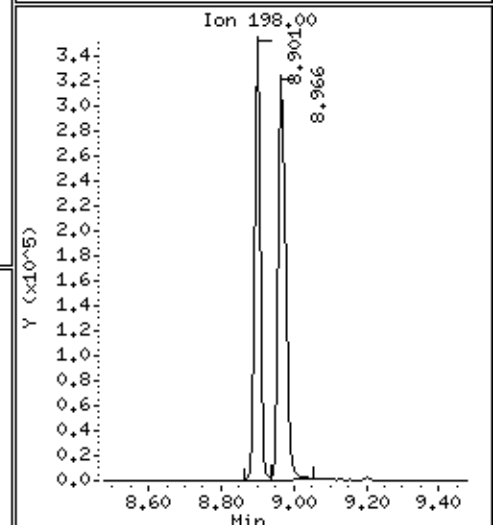
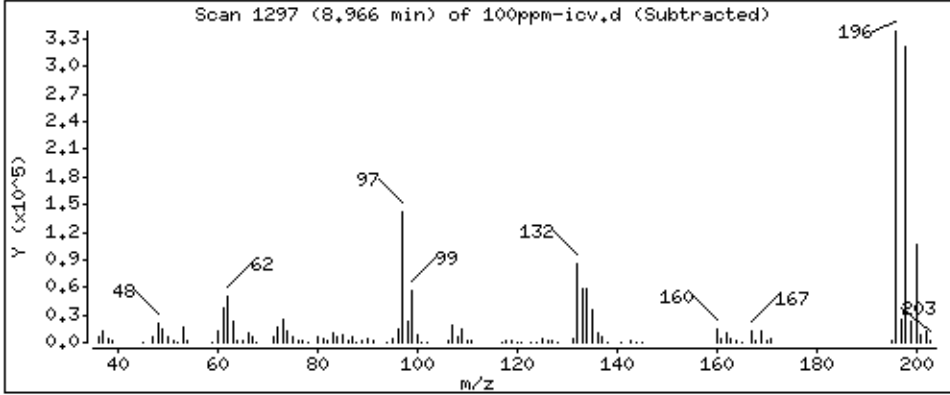
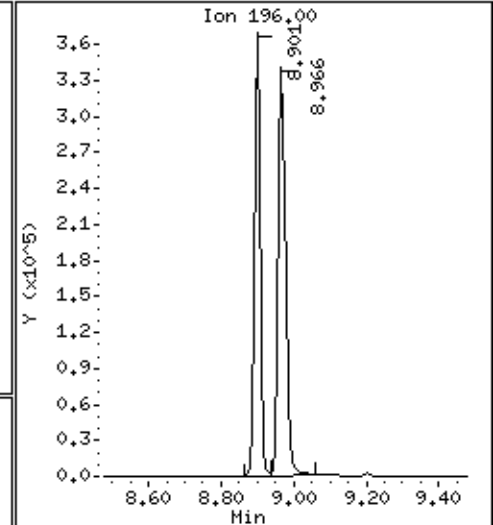
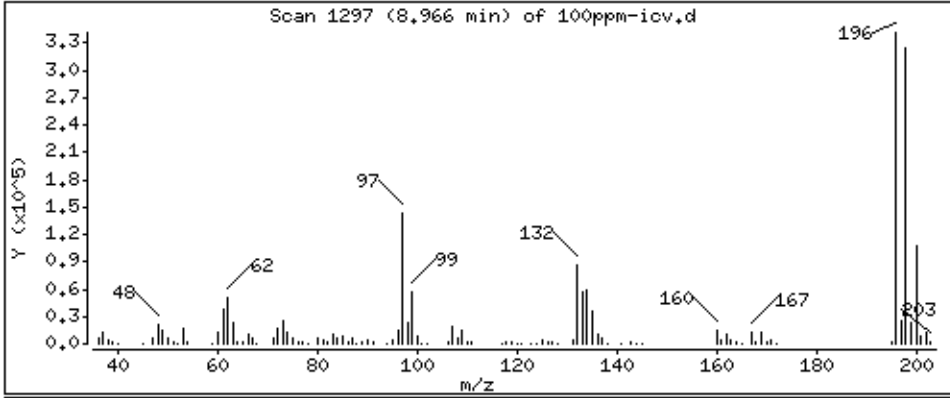
Operator: CEM

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

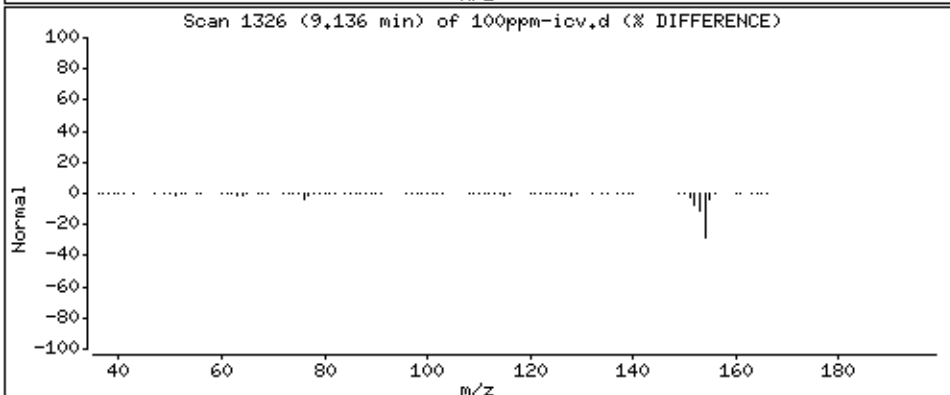
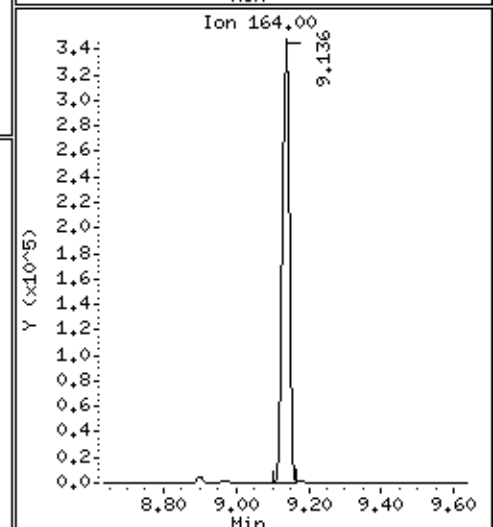
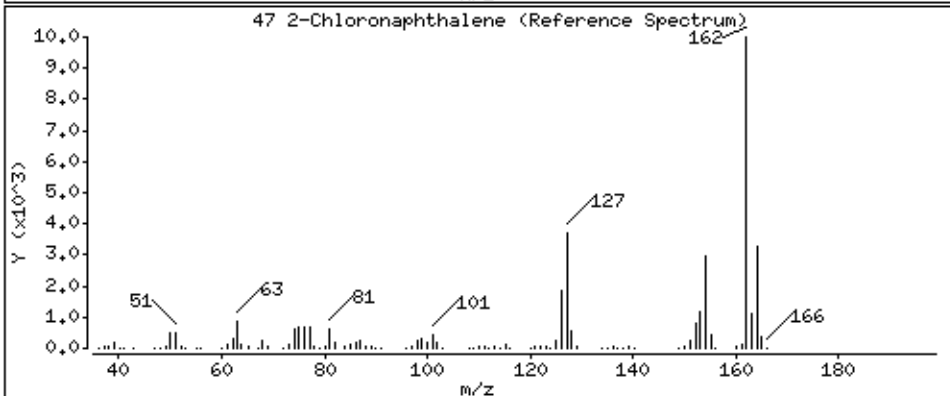
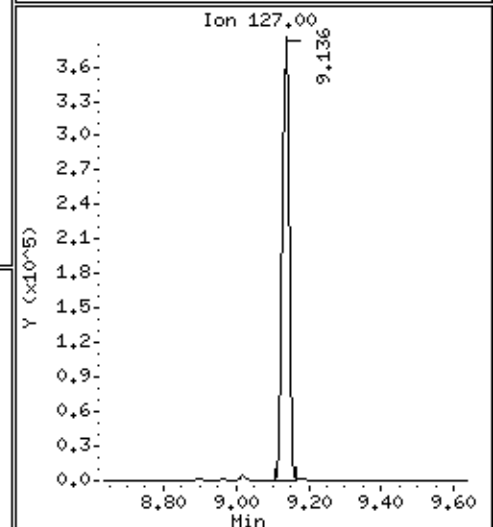
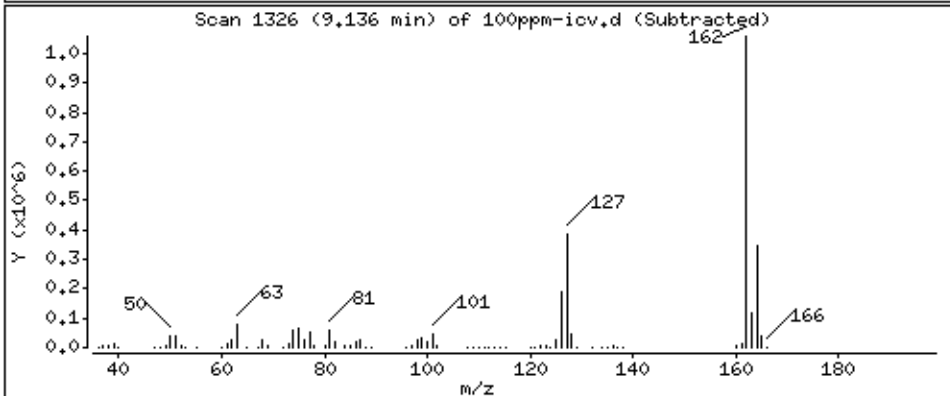
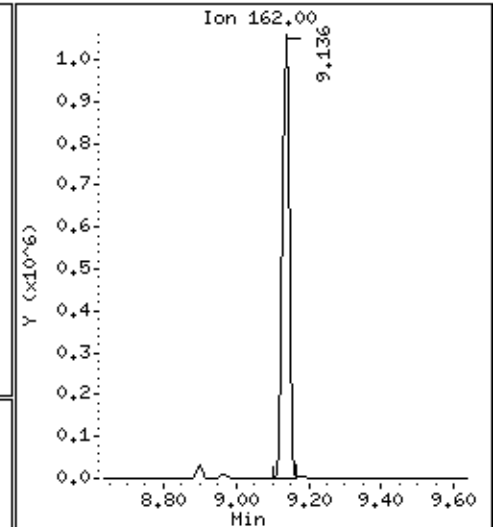
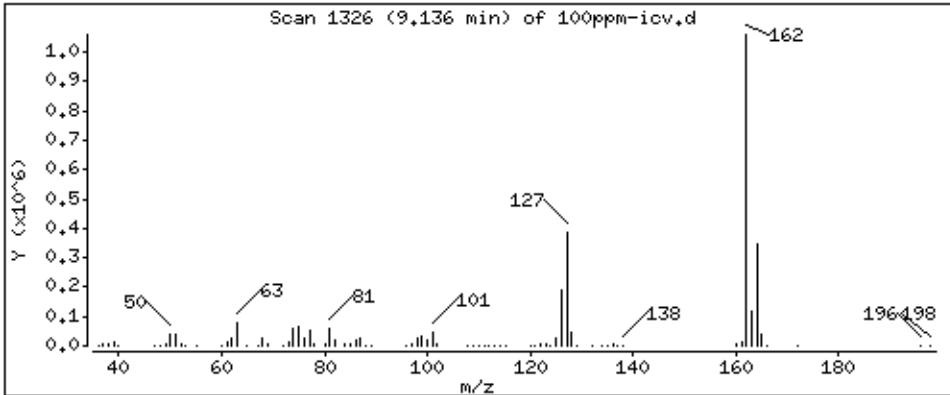
Operator: CEM

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

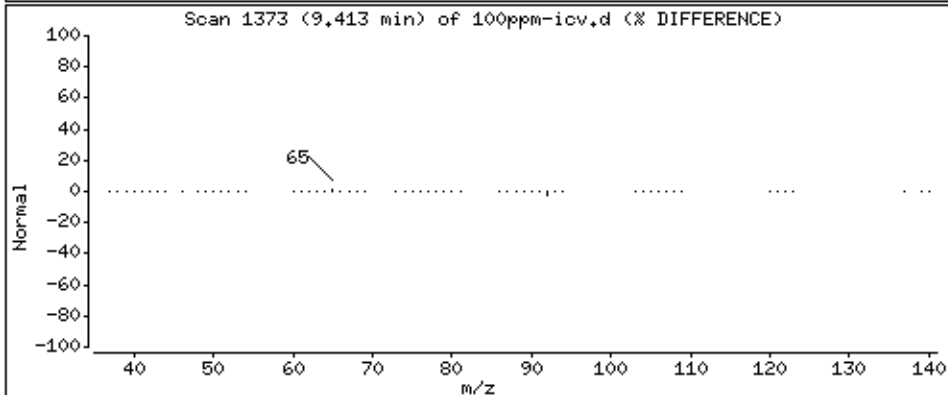
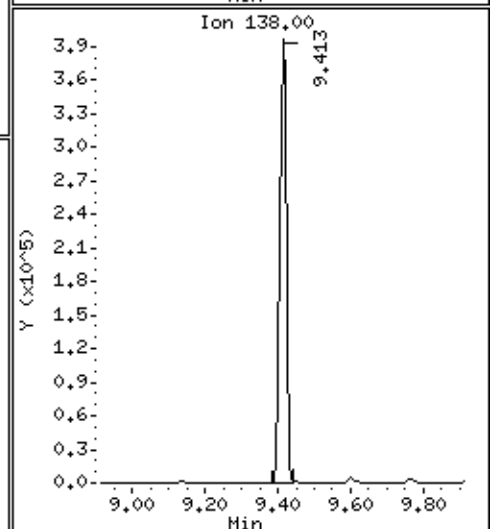
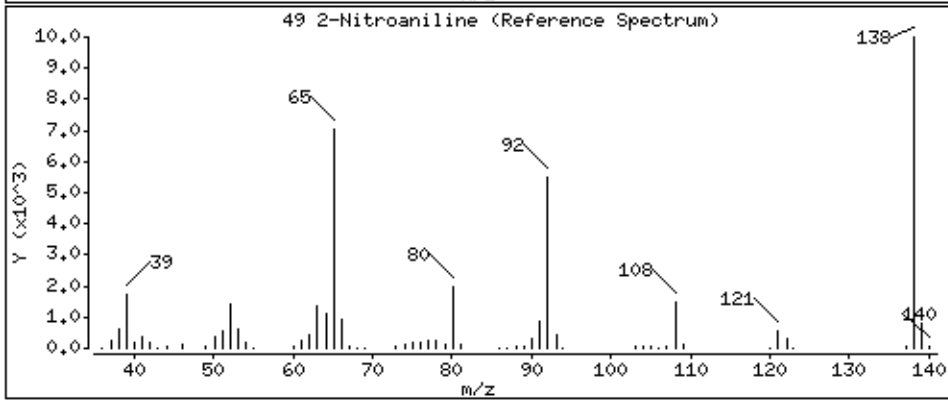
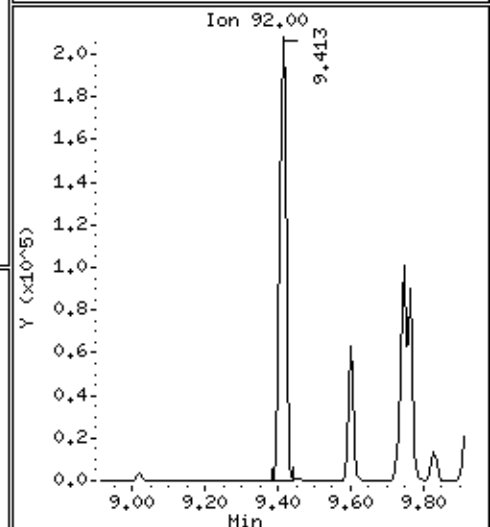
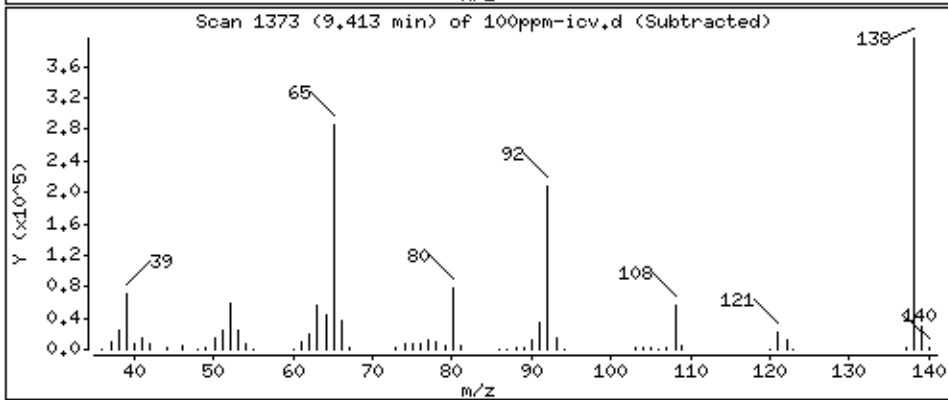
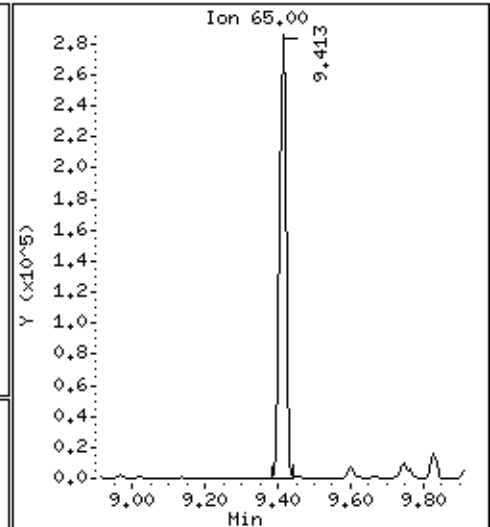
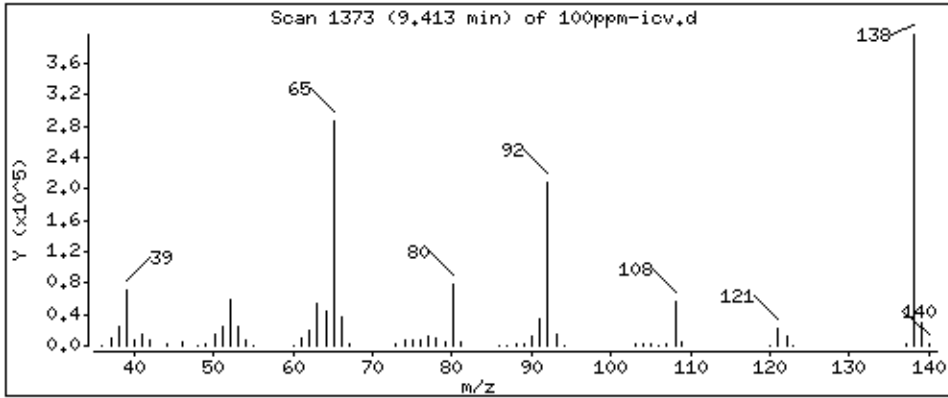
Operator: CEM

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

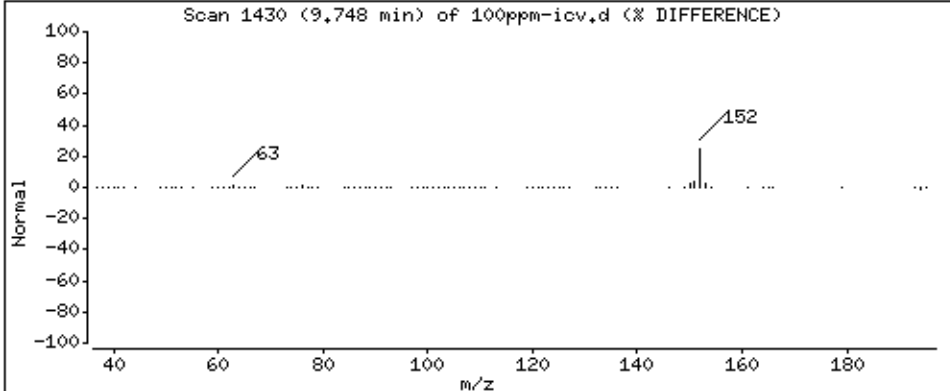
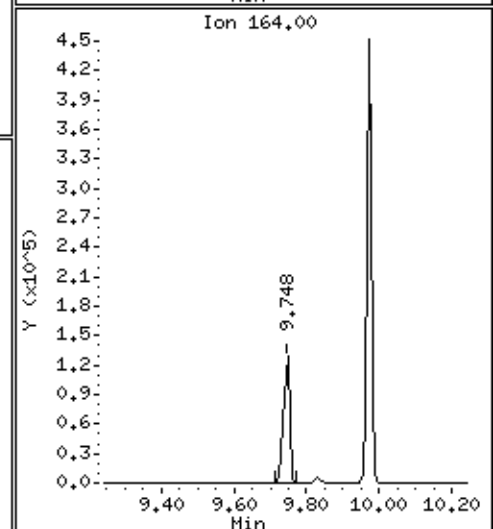
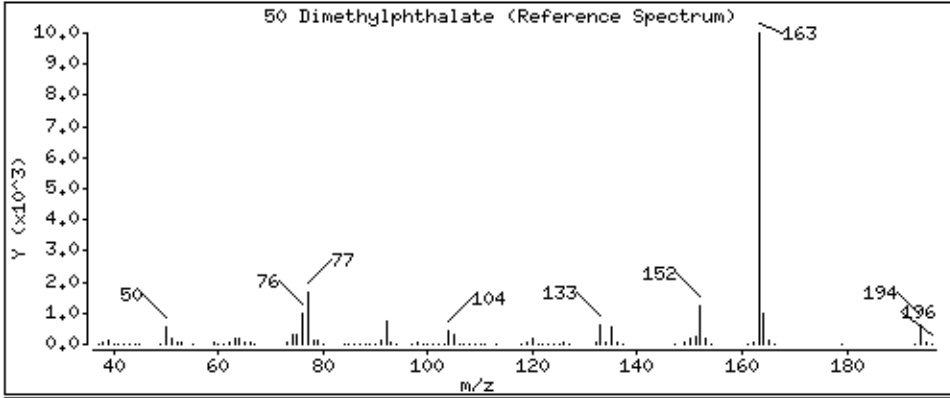
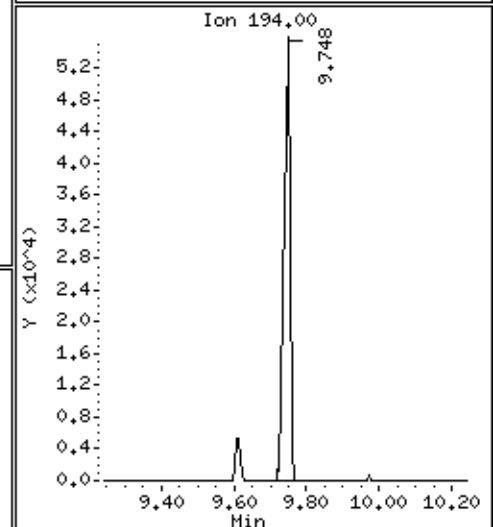
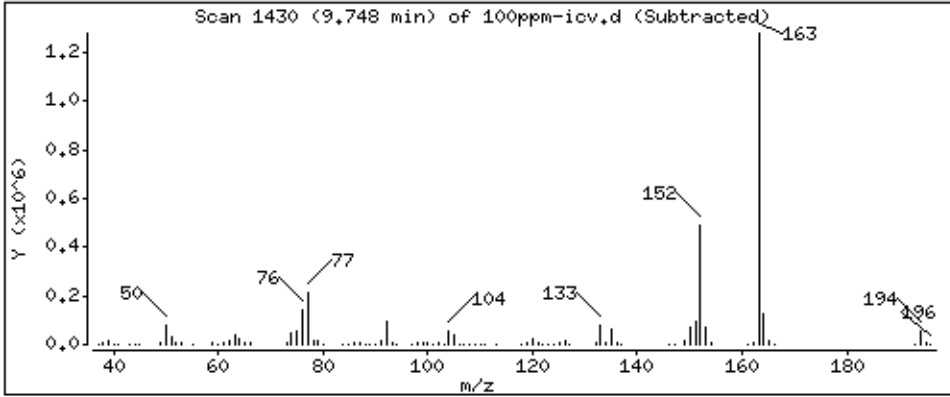
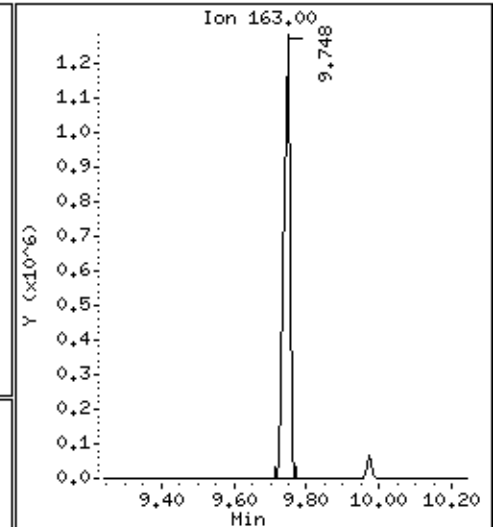
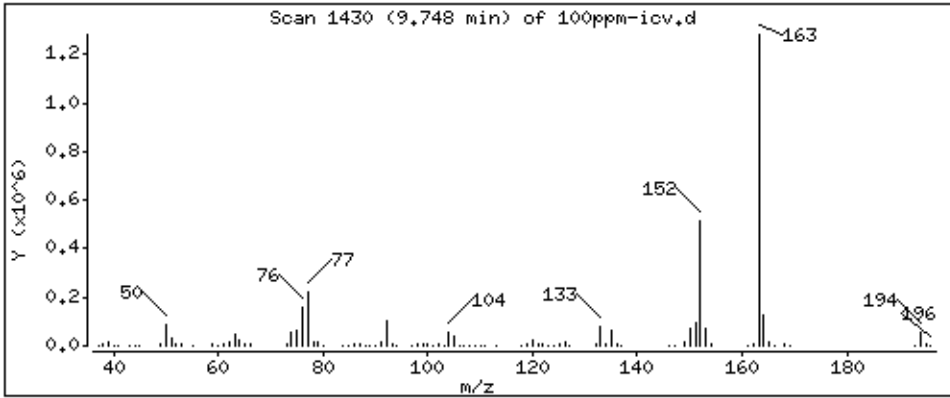
Operator: CEM

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

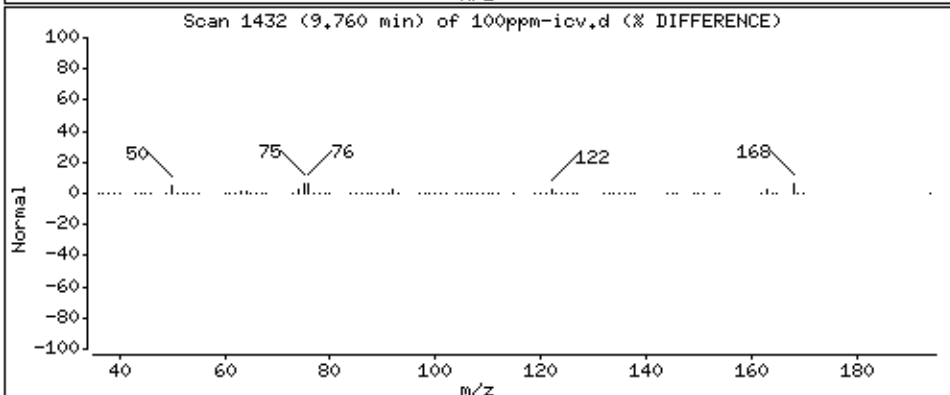
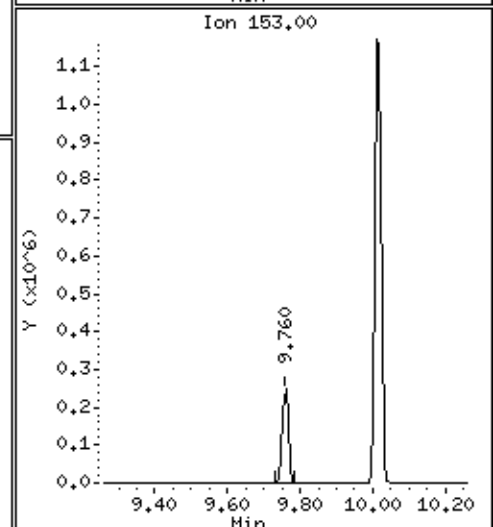
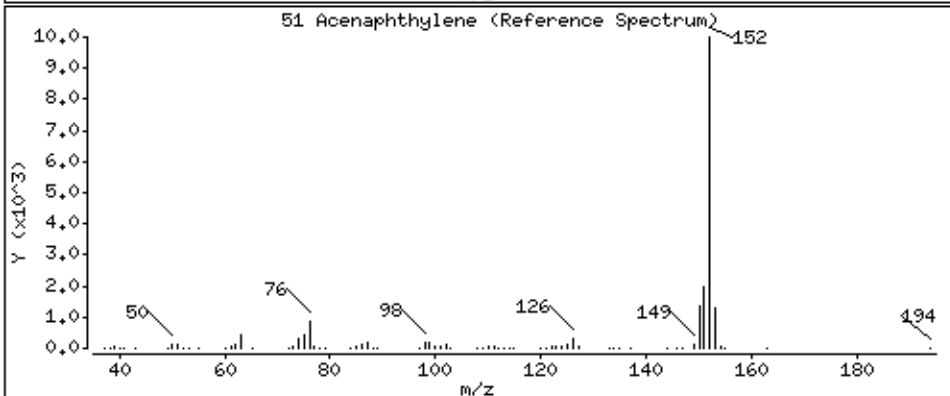
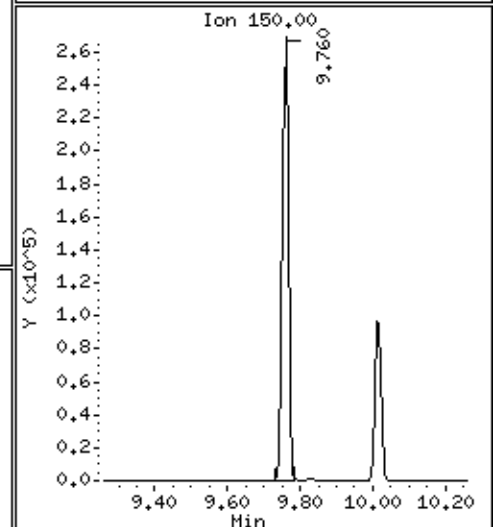
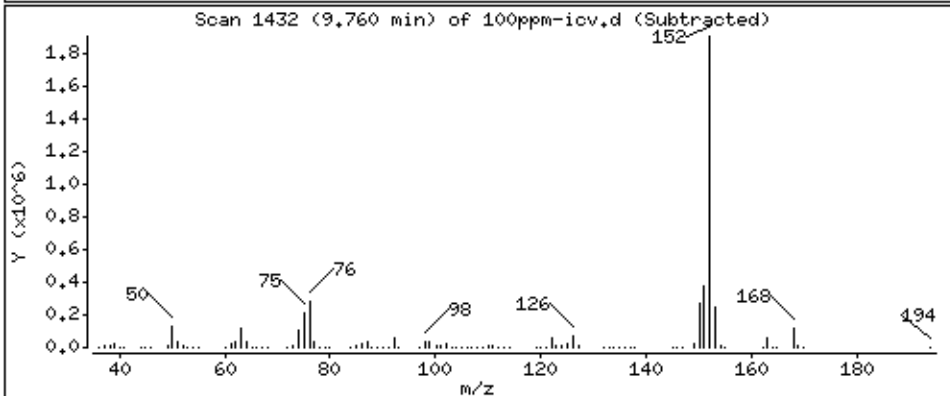
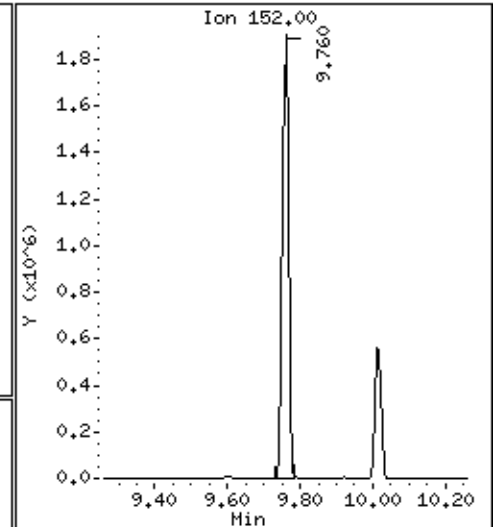
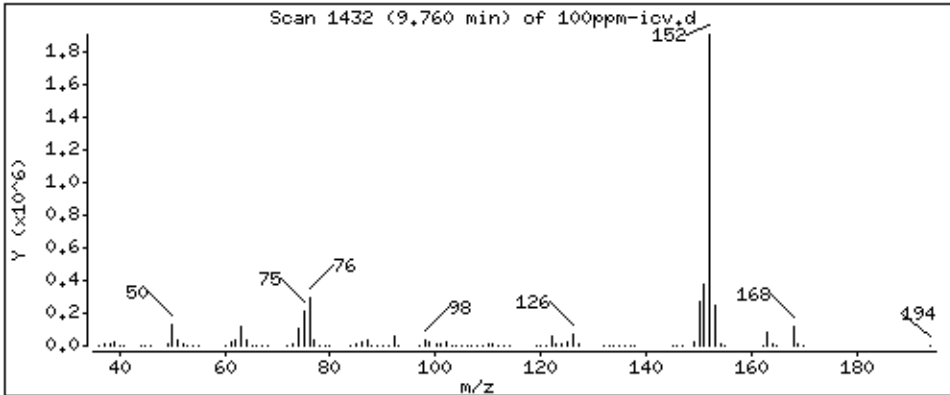
Operator: CEM

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

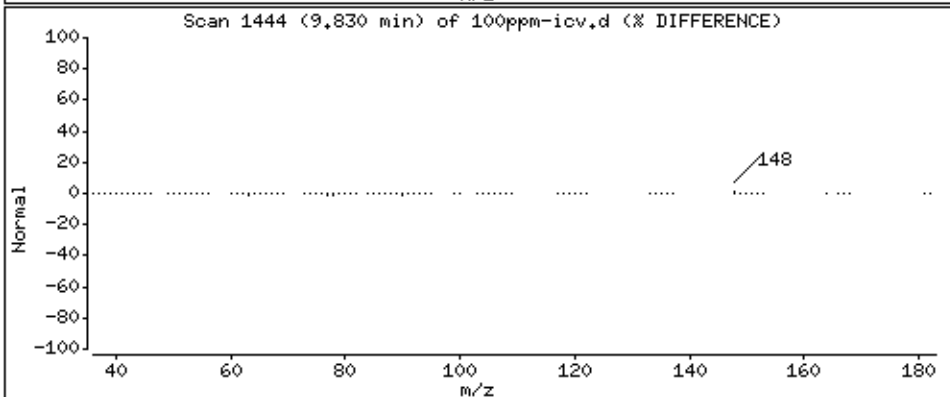
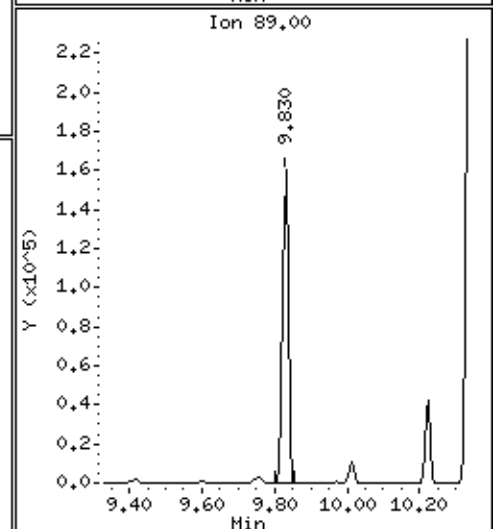
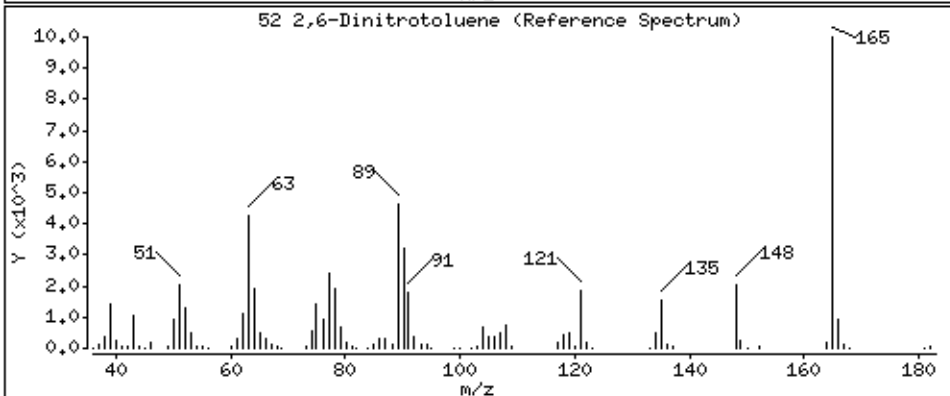
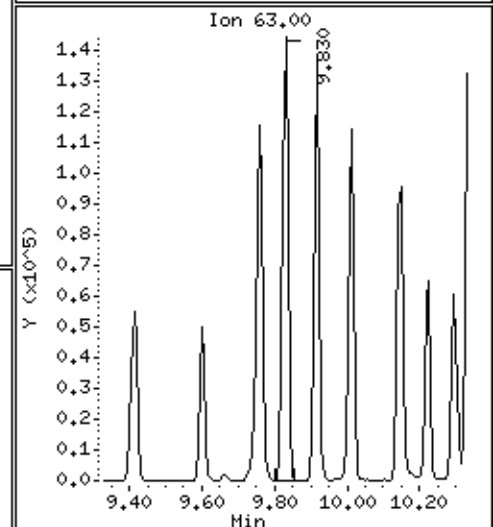
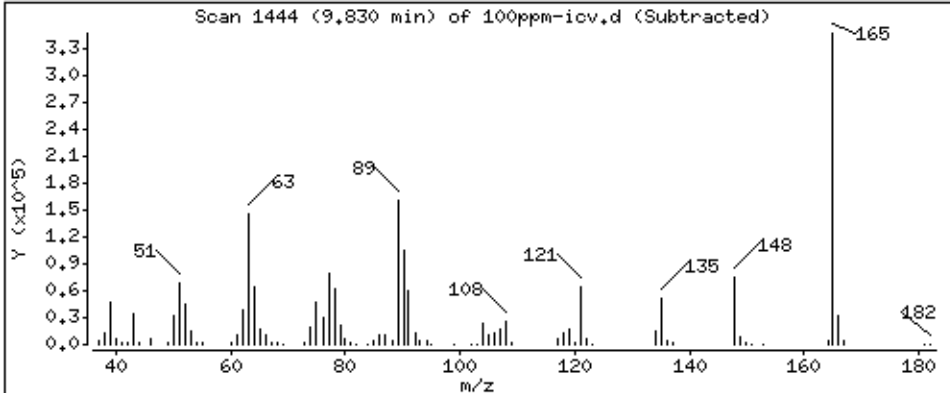
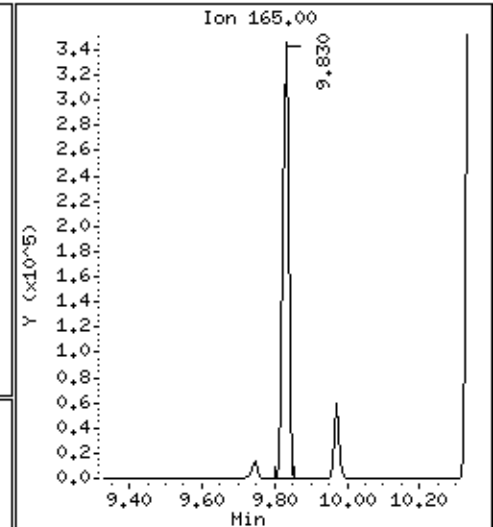
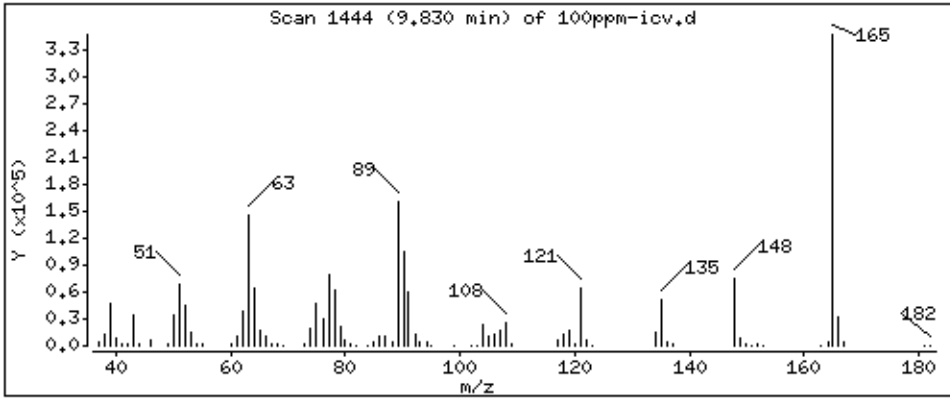
Operator: CEM

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

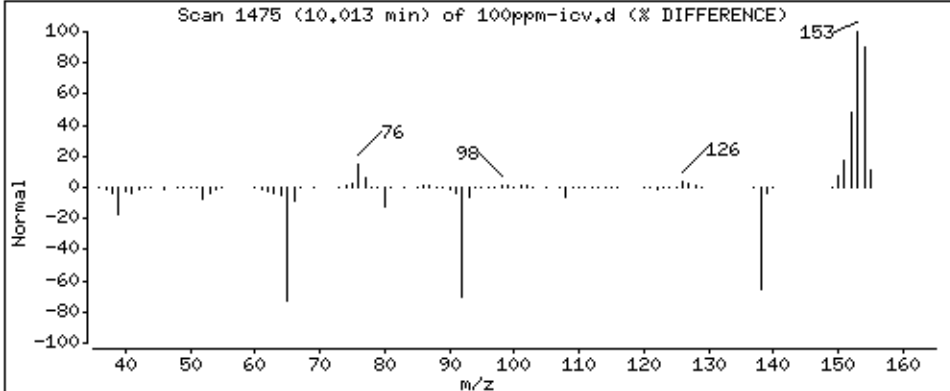
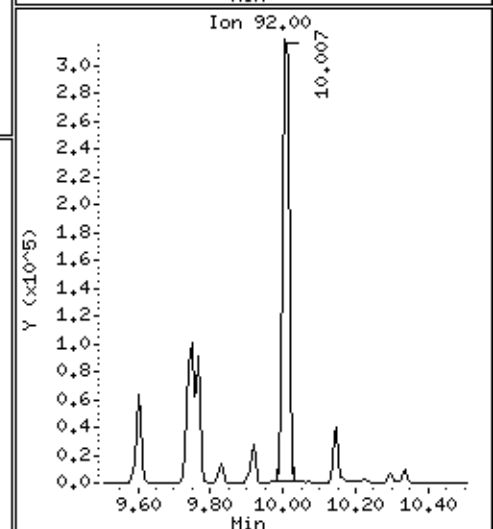
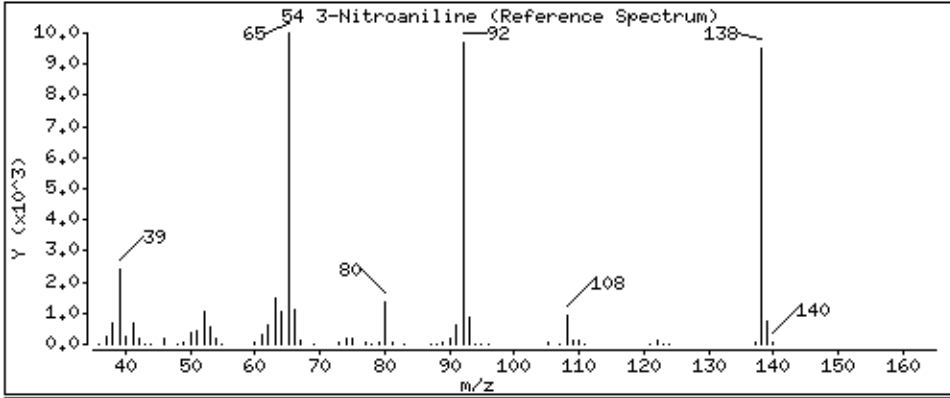
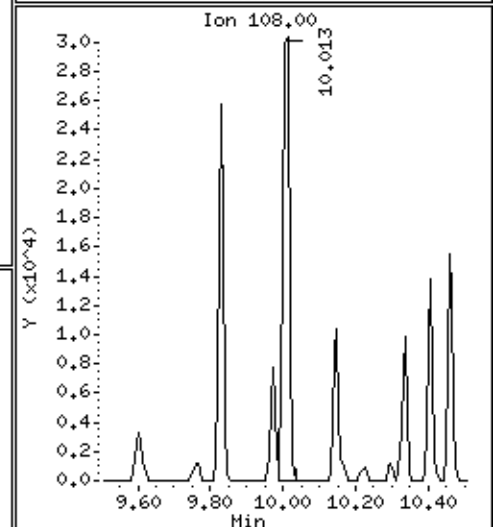
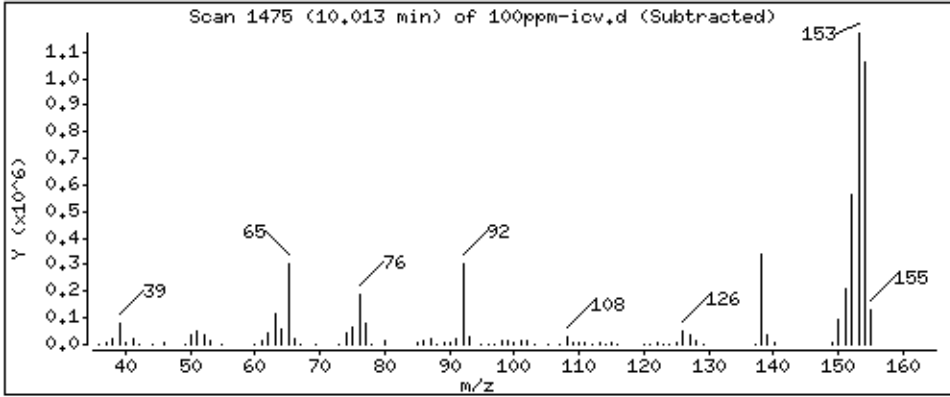
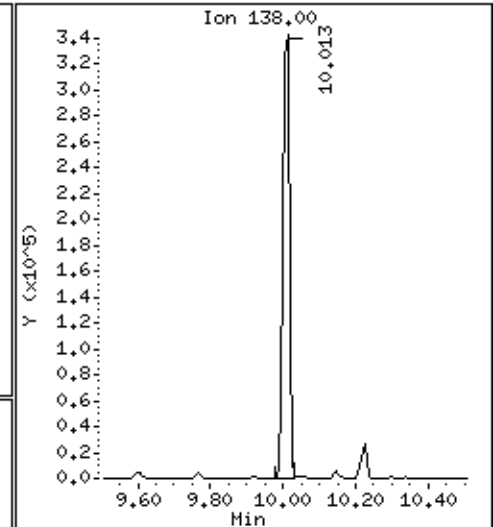
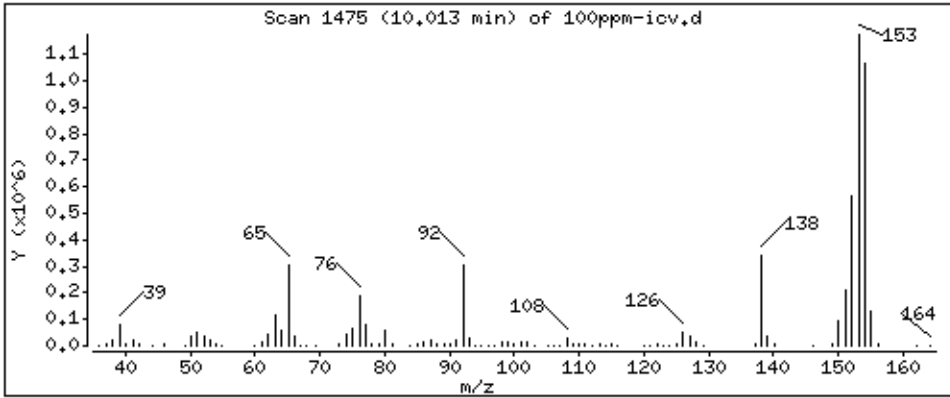
Operator: CEM

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

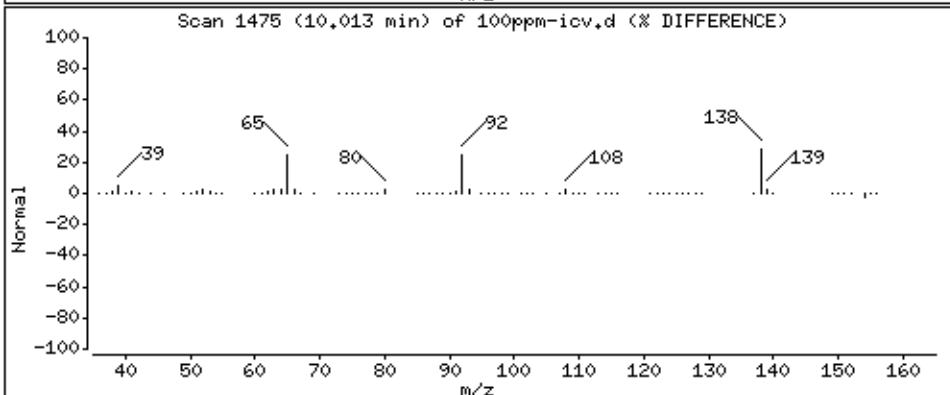
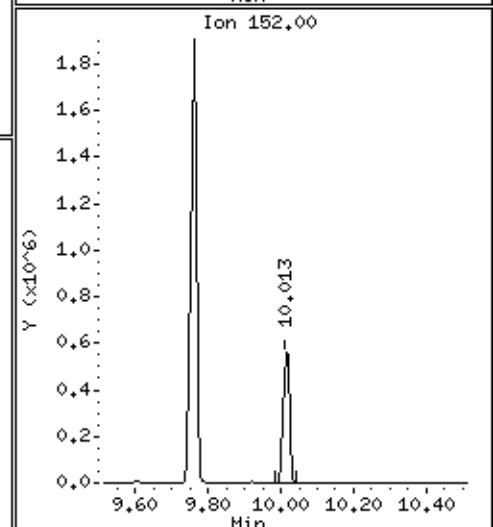
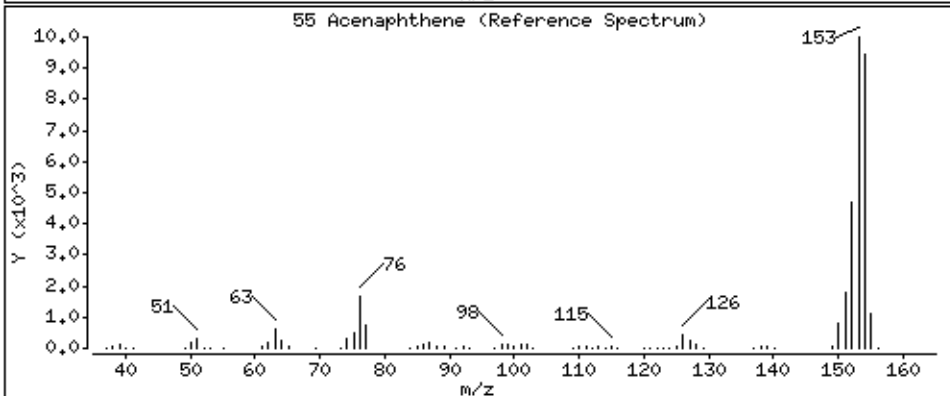
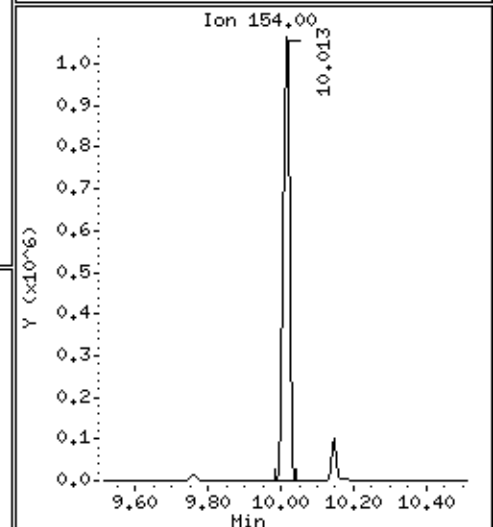
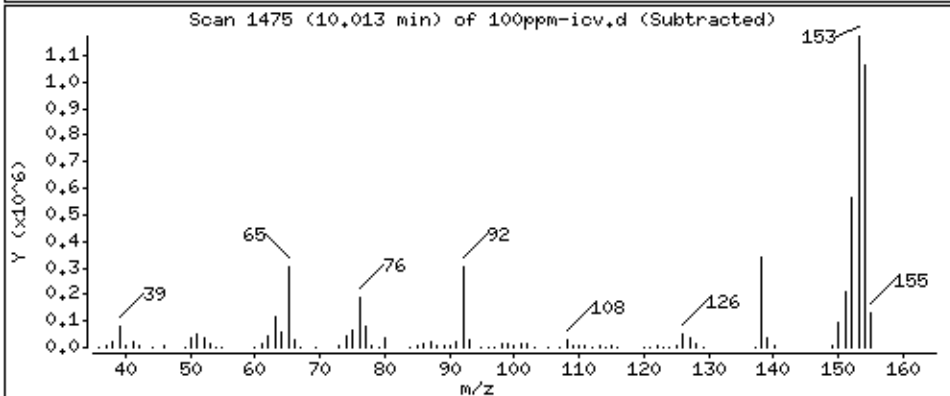
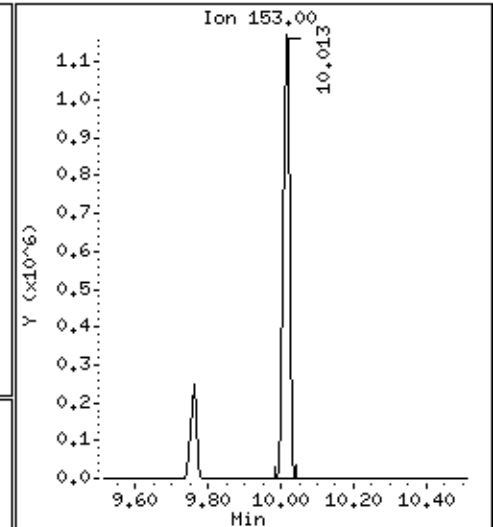
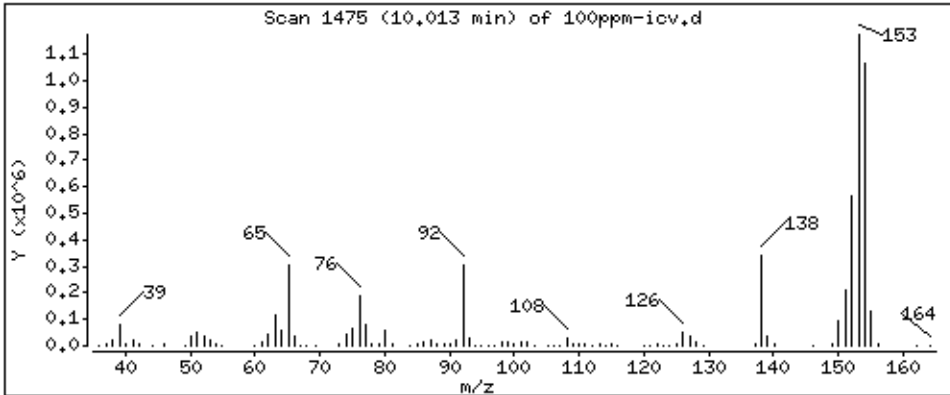
Operator: CEM

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

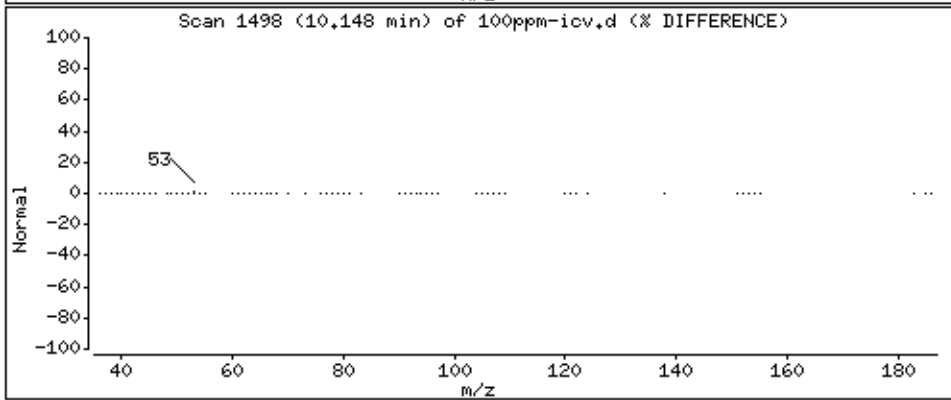
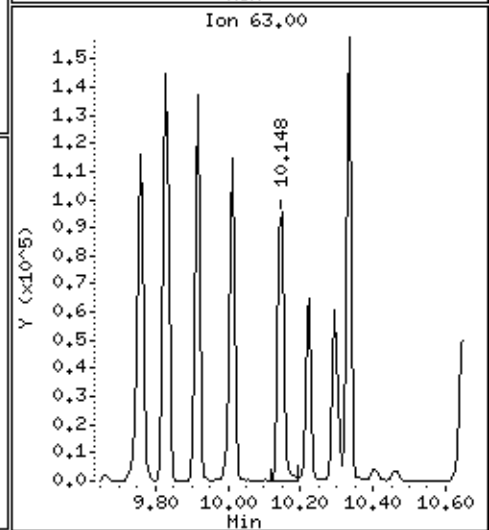
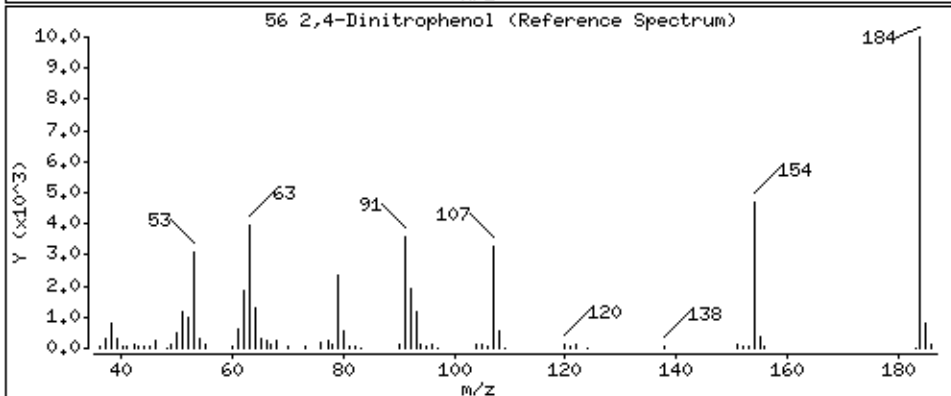
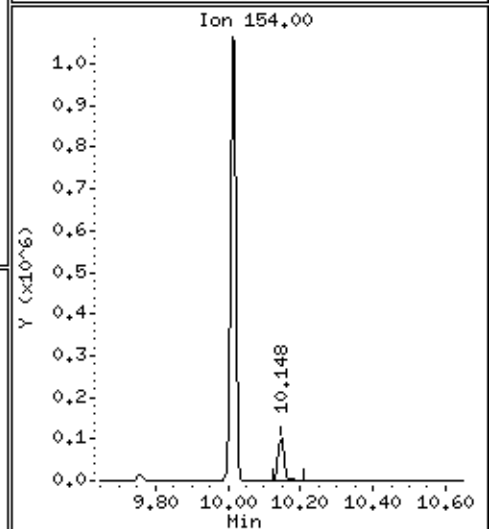
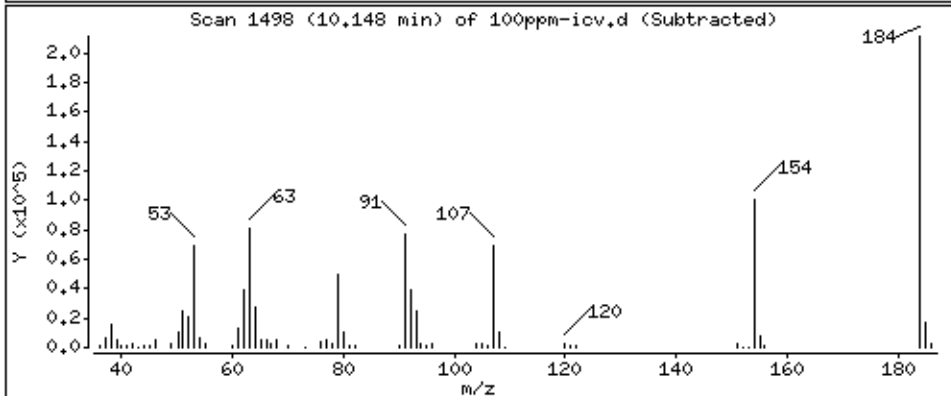
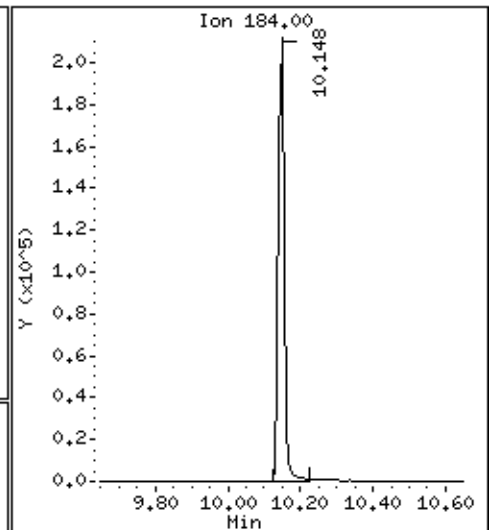
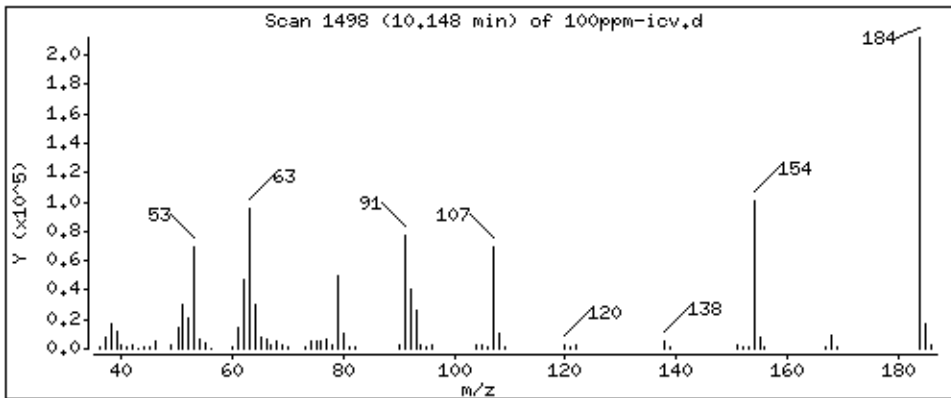
Operator: CEM

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

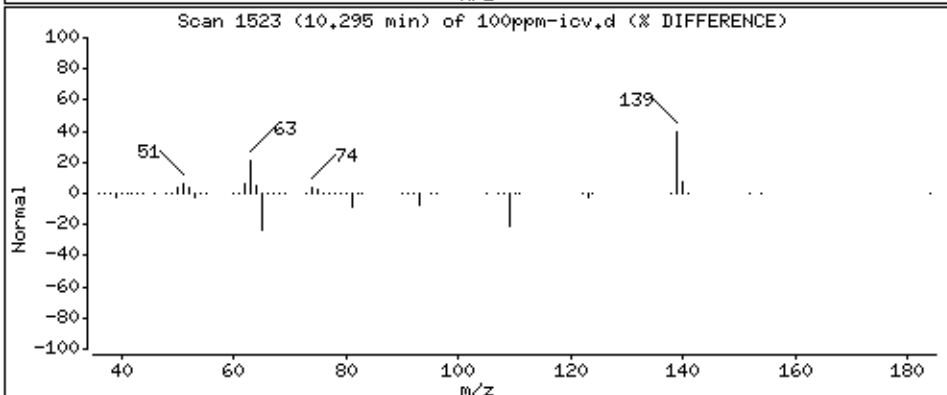
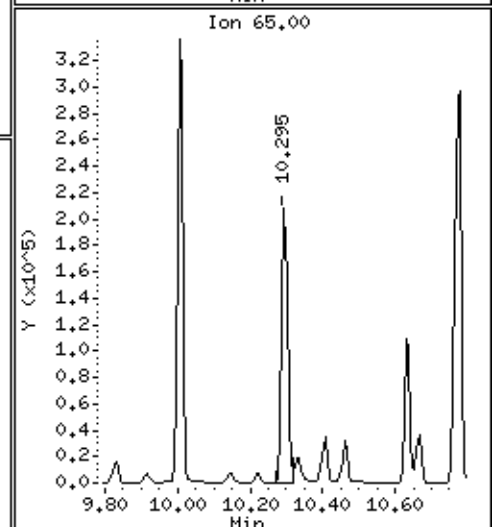
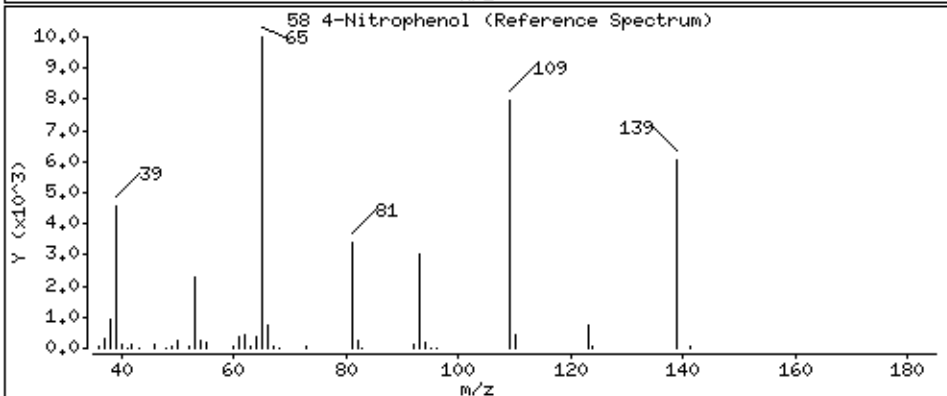
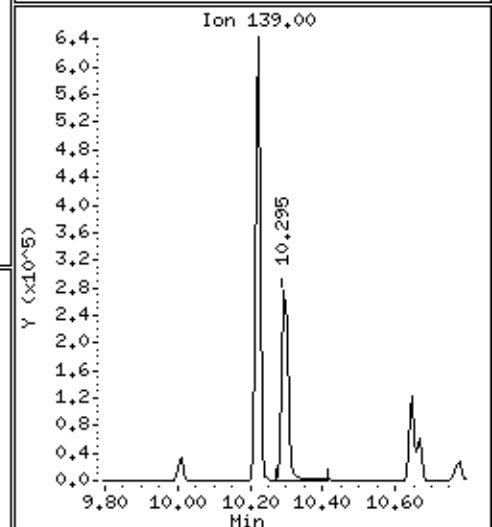
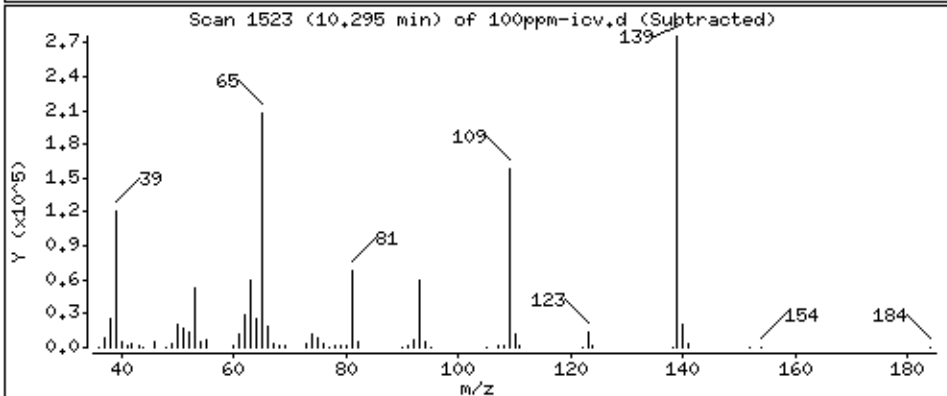
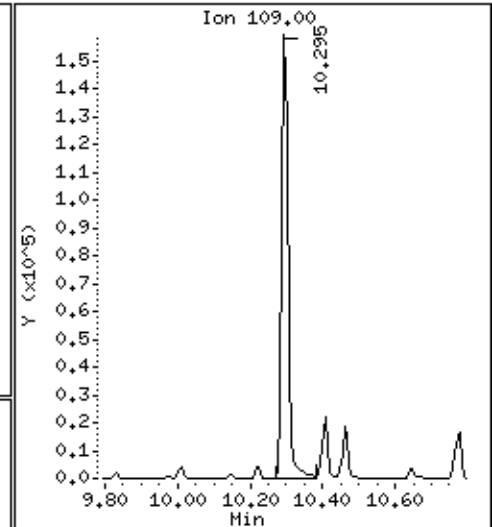
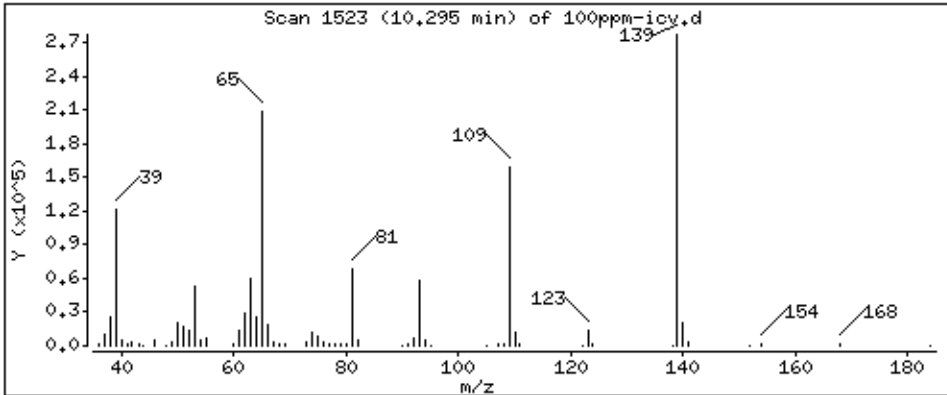
Operator: CEM

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

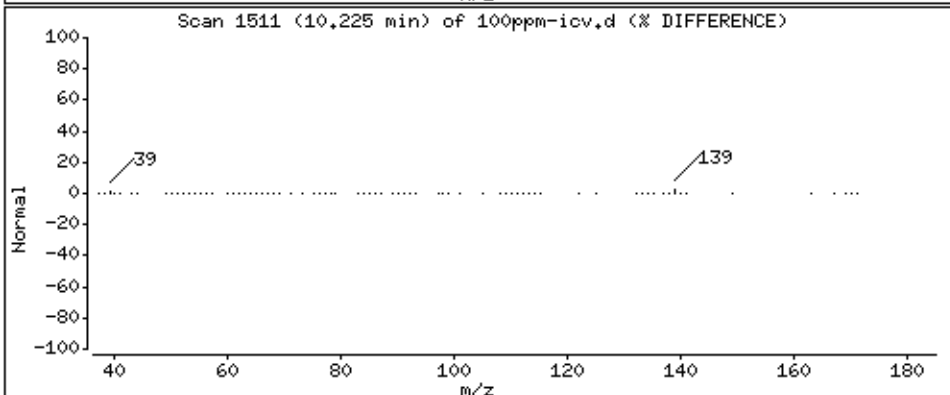
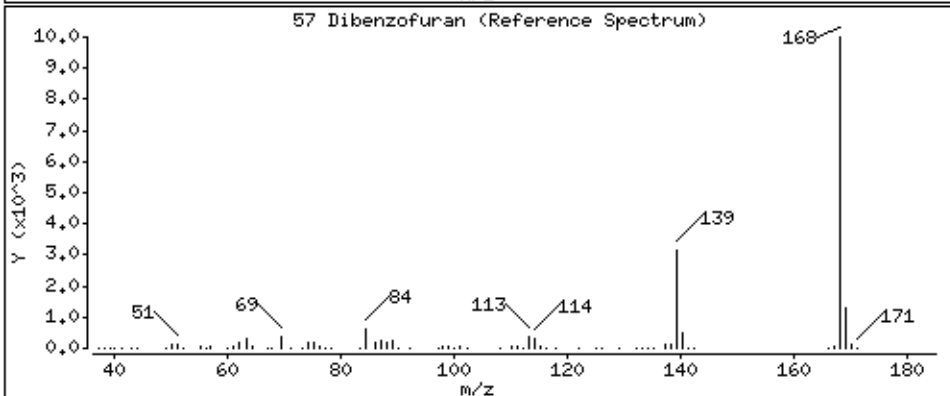
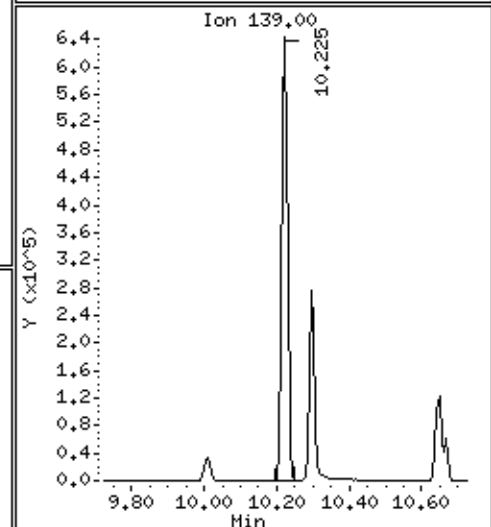
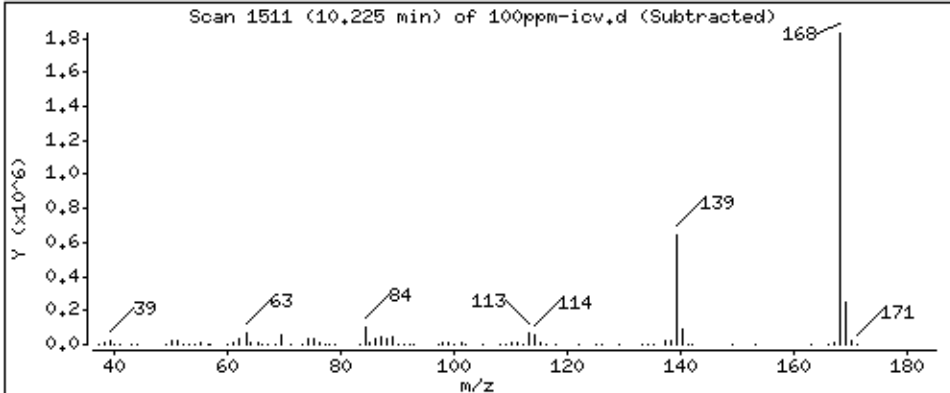
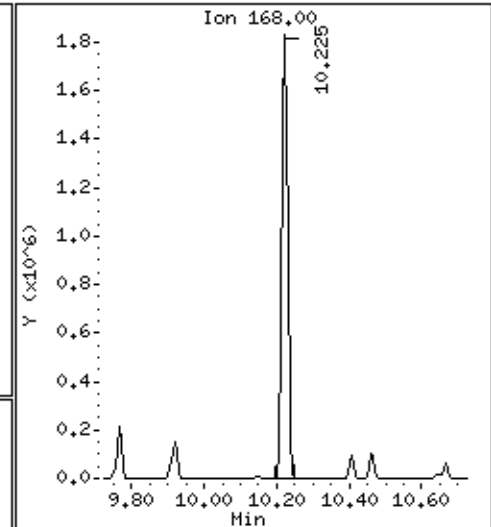
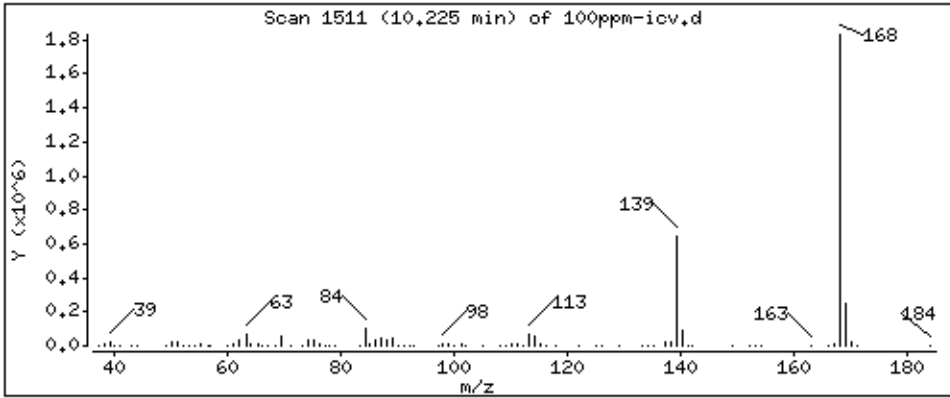
Operator: CEM

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

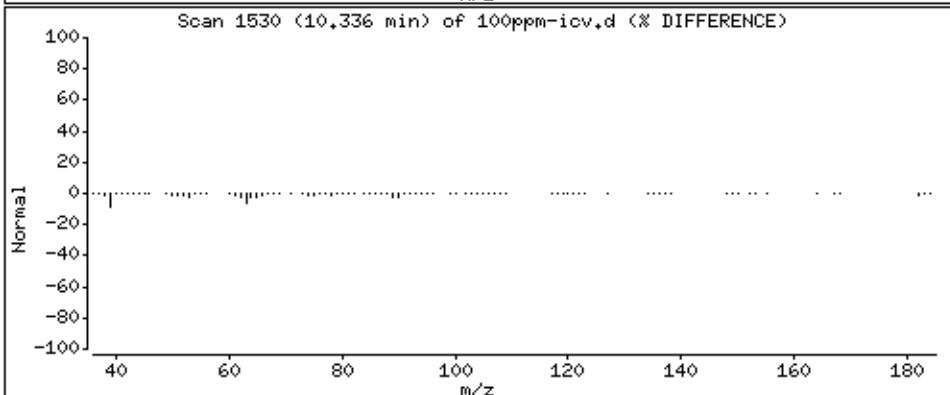
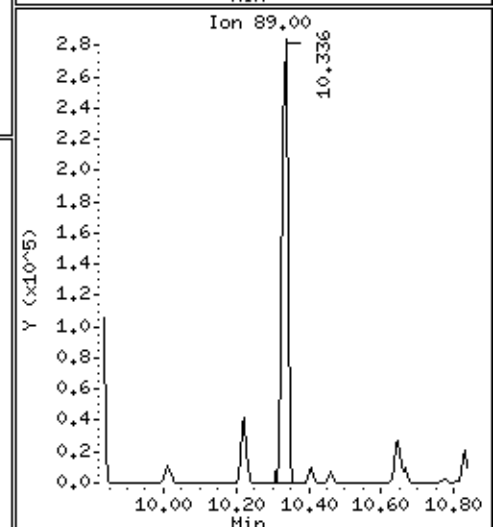
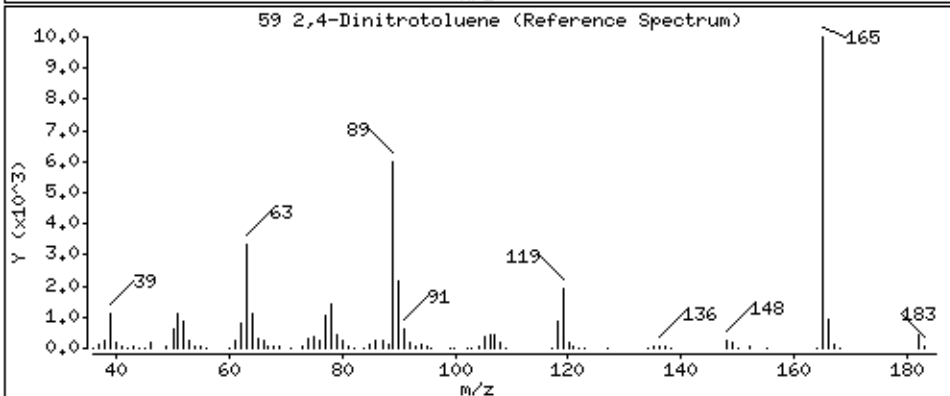
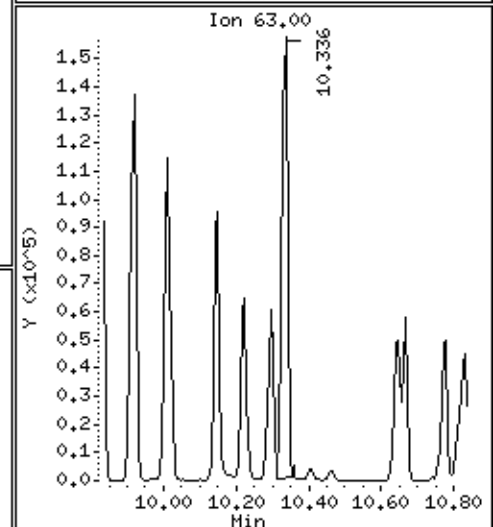
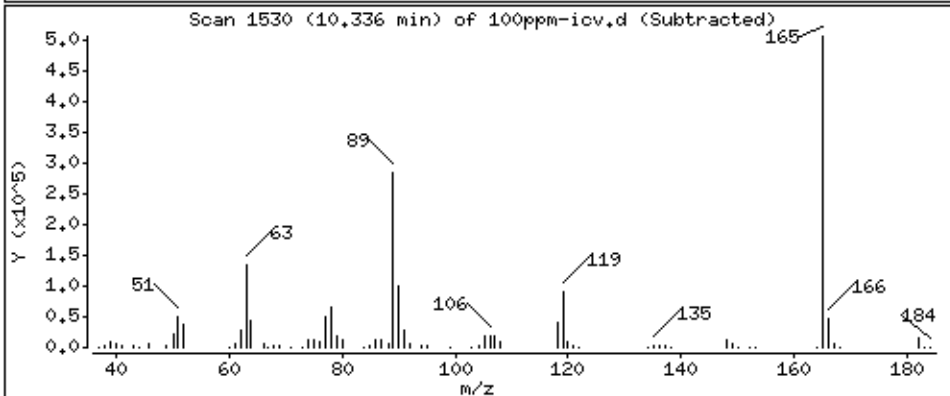
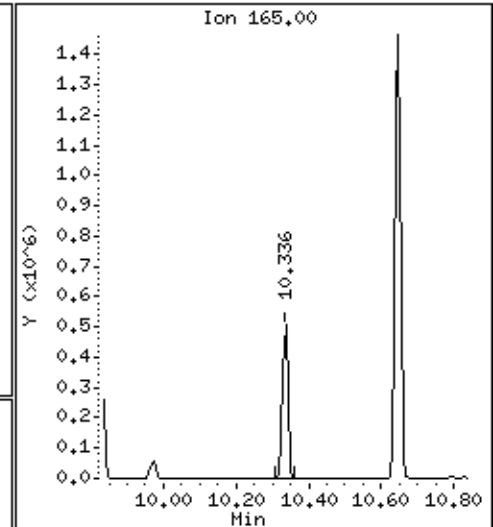
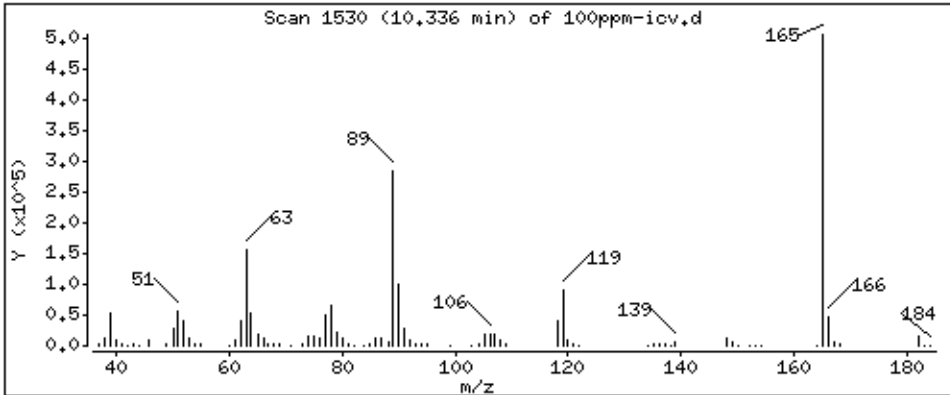
Operator: CEM

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

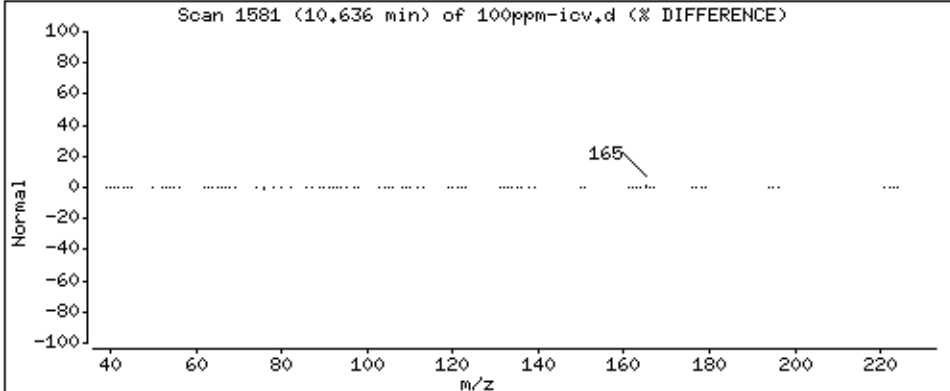
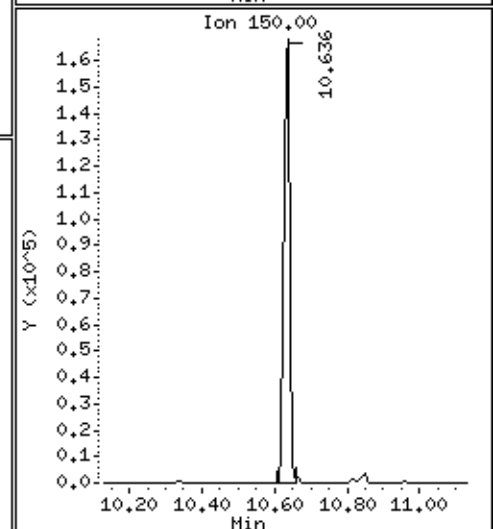
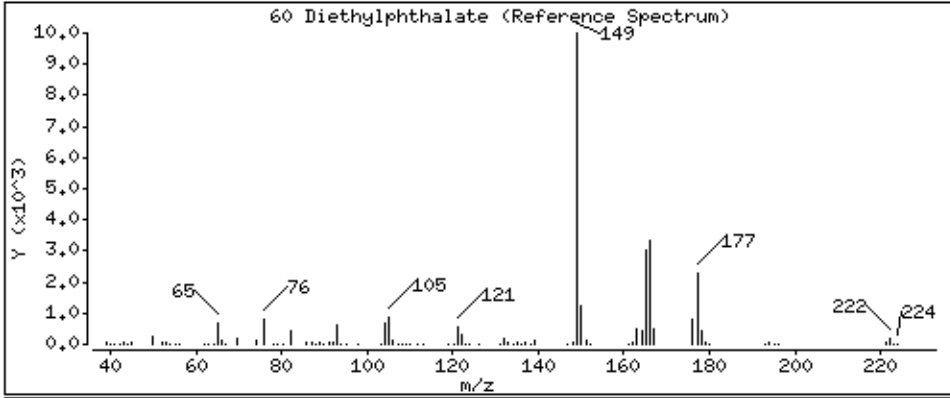
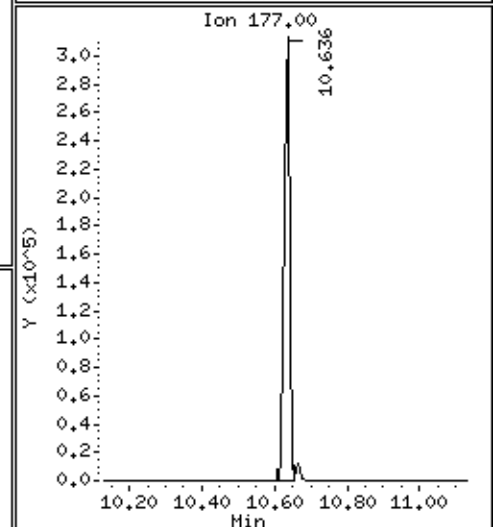
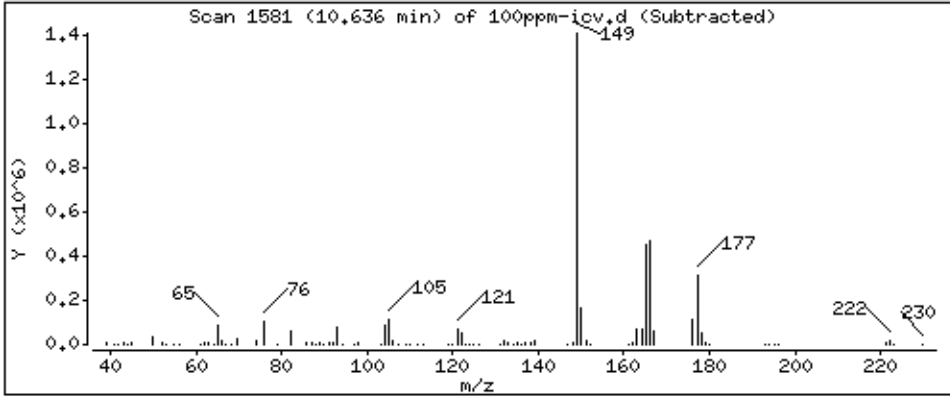
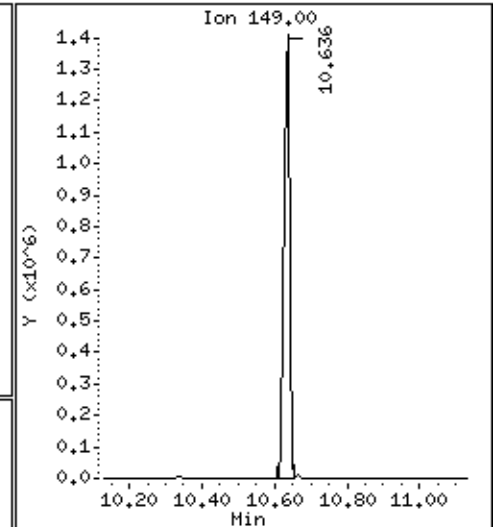
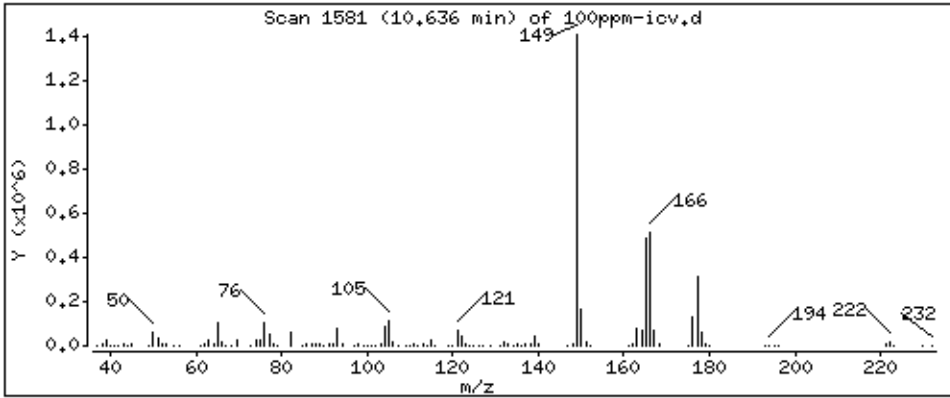
Operator: CEM

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

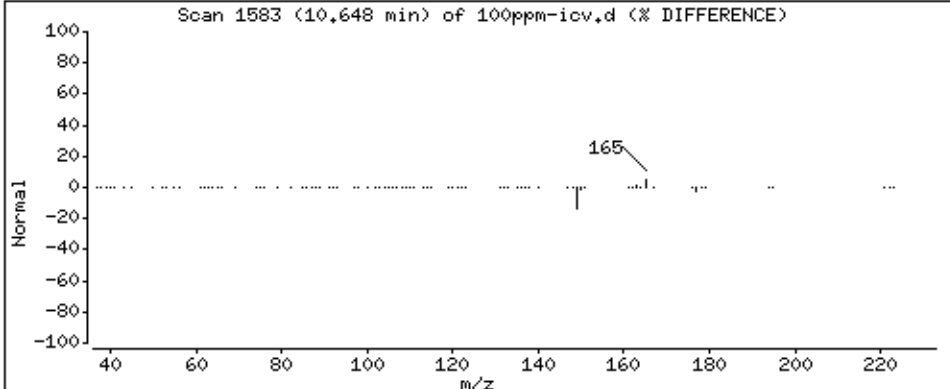
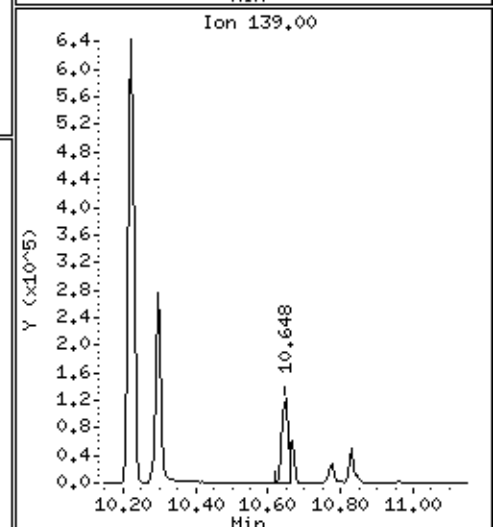
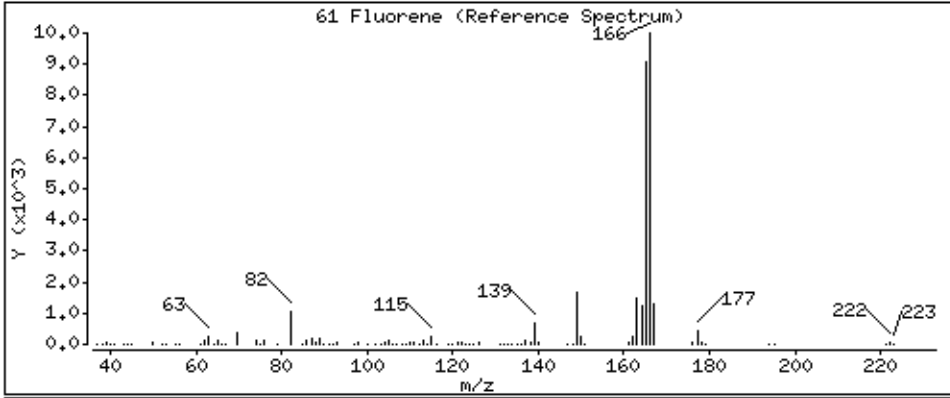
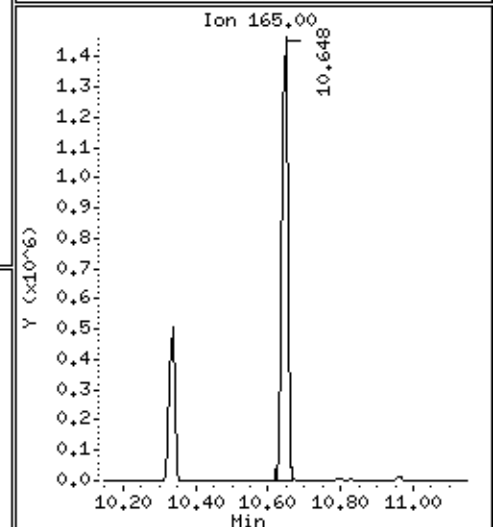
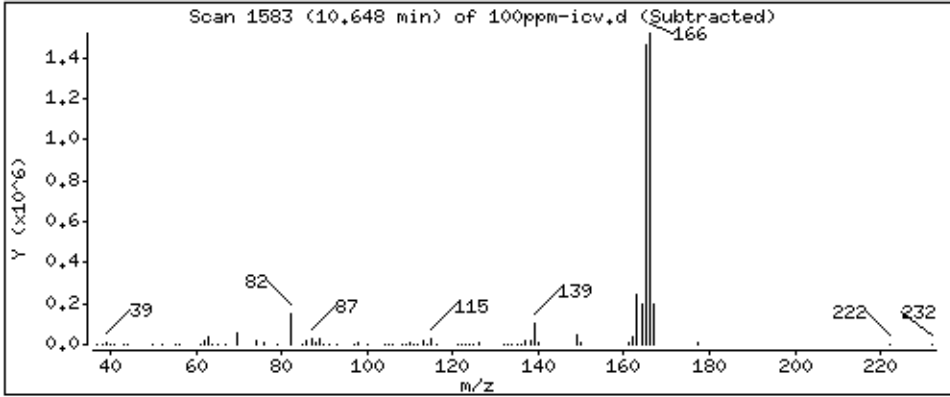
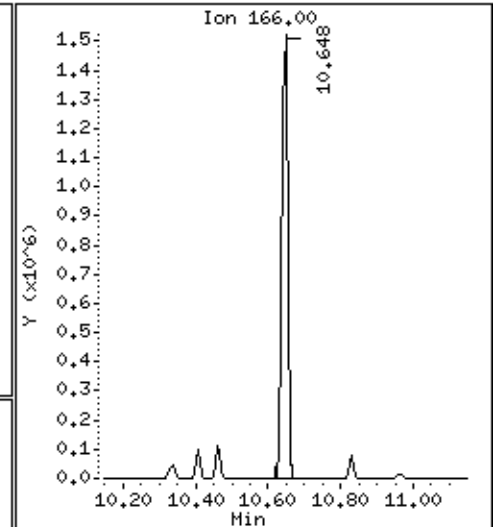
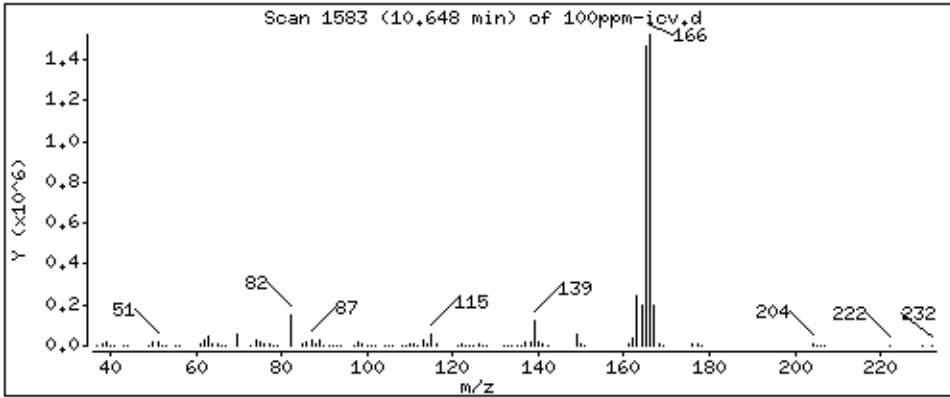
Operator: CEM

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

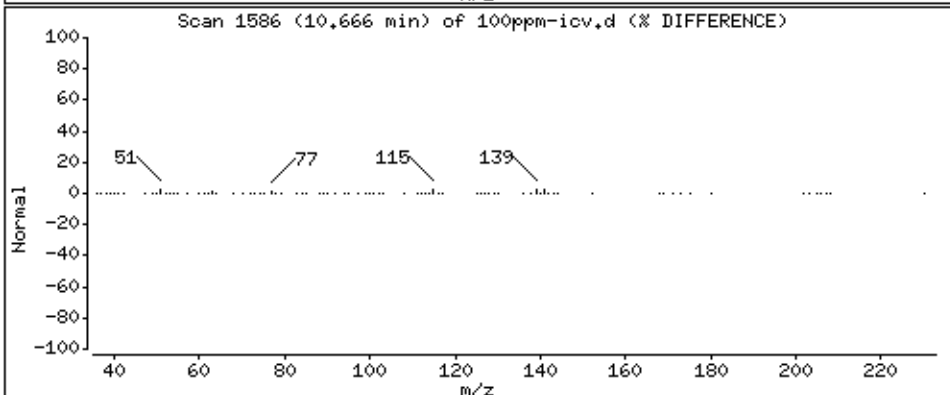
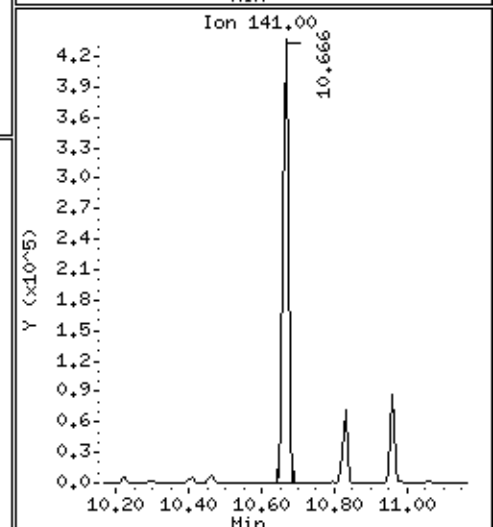
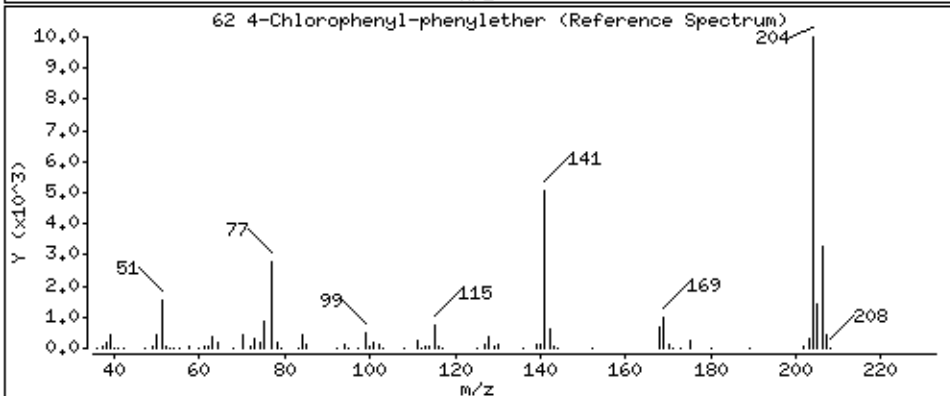
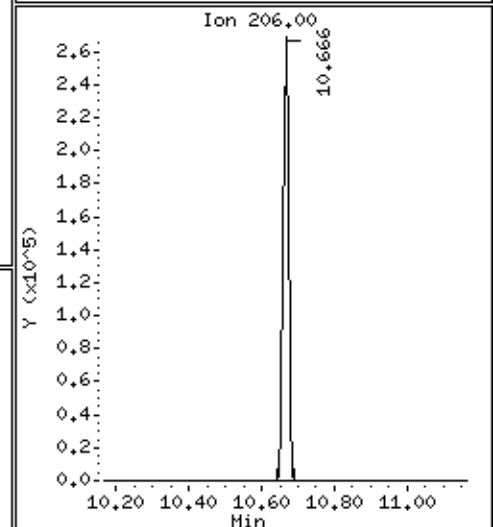
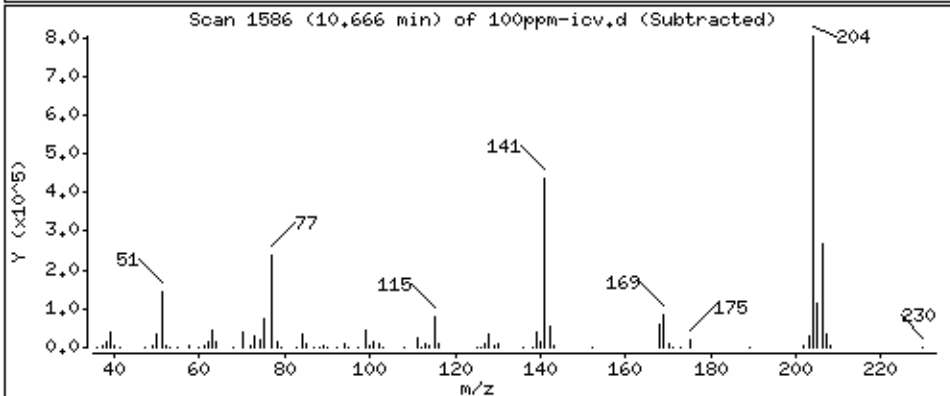
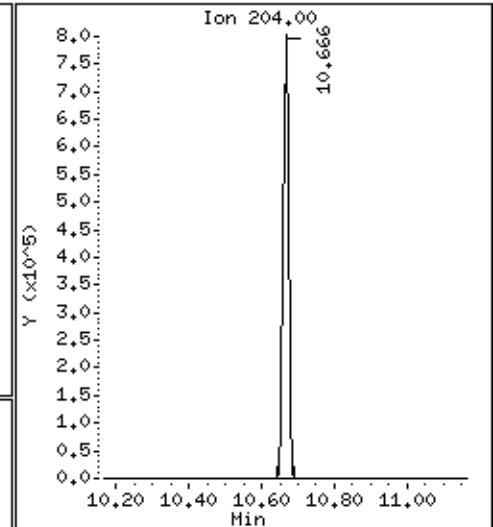
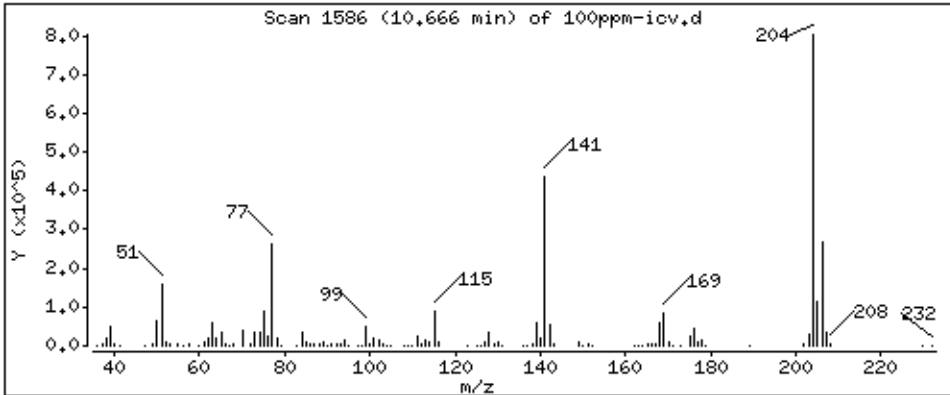
Operator: CEM

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

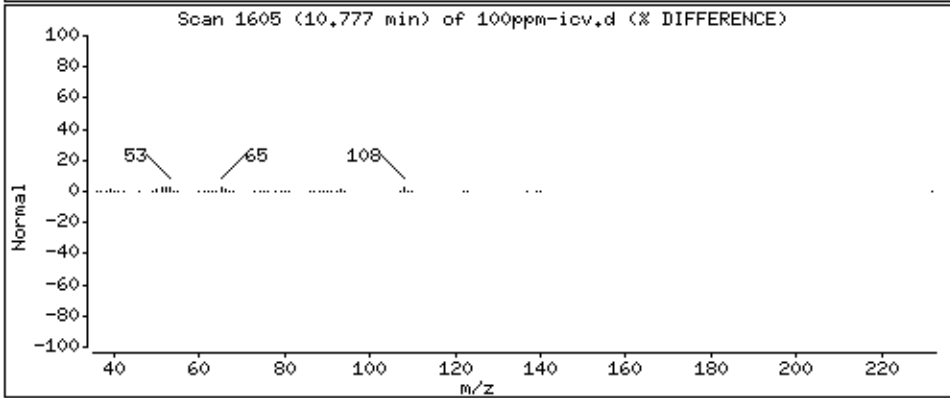
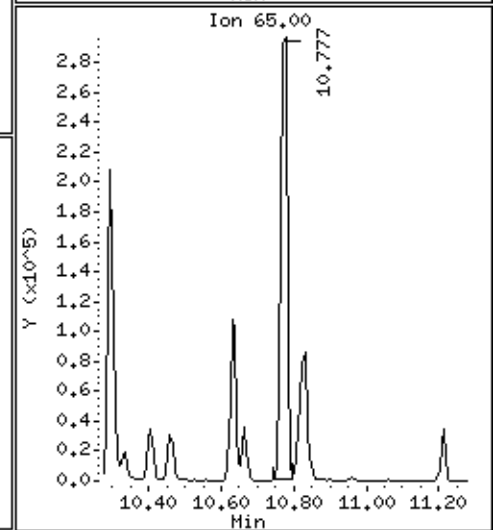
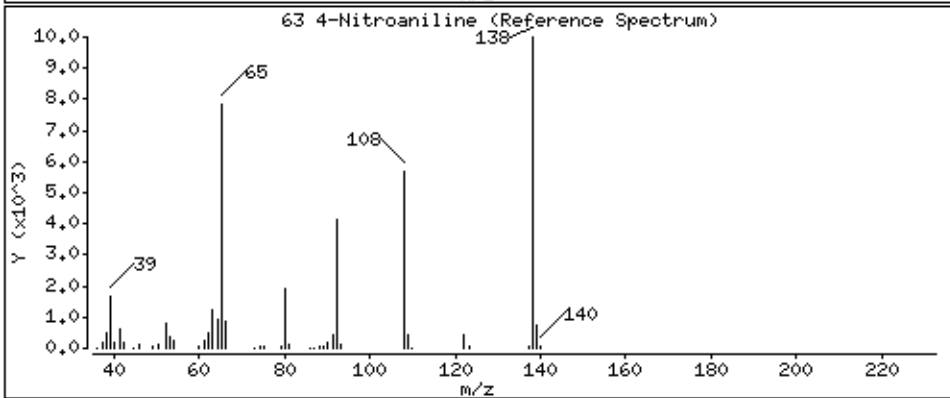
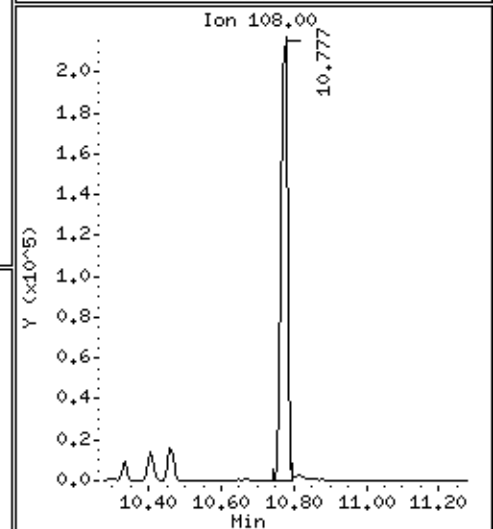
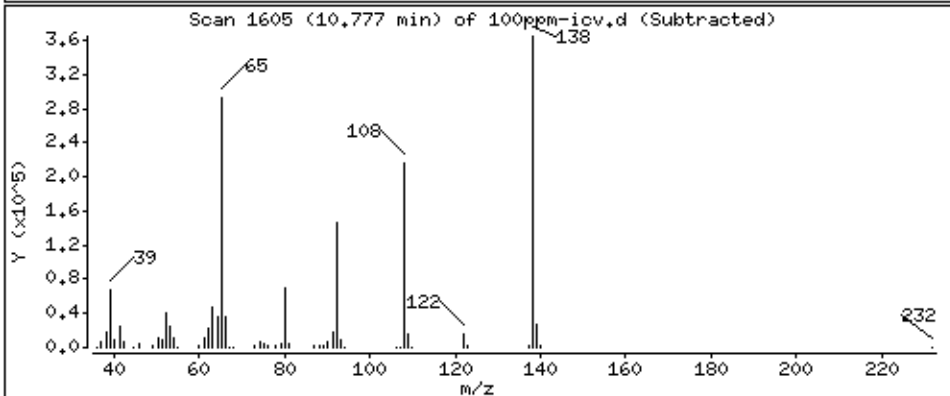
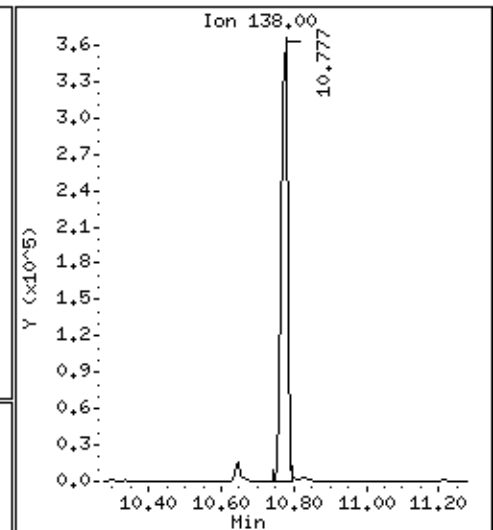
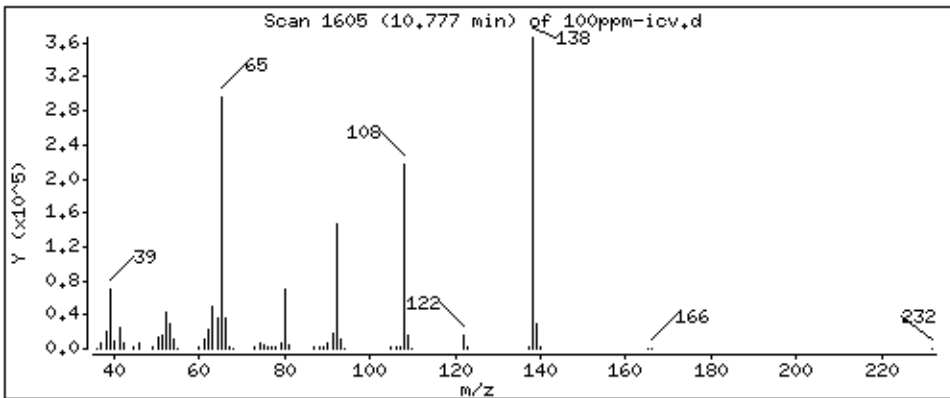
Operator: CEM

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

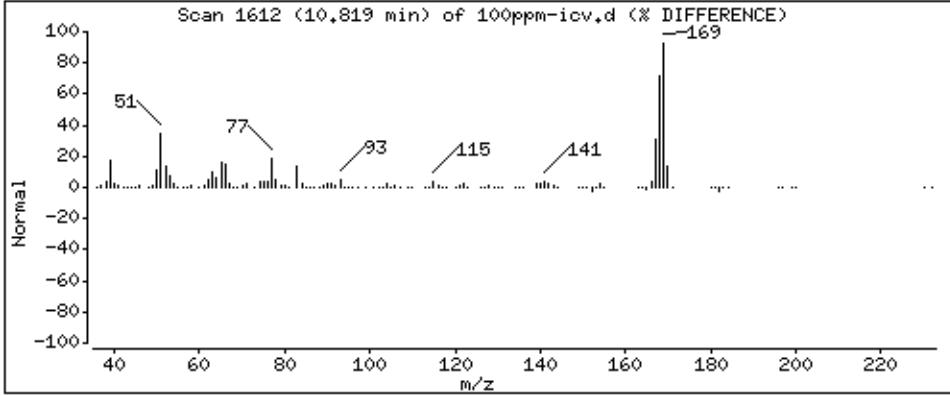
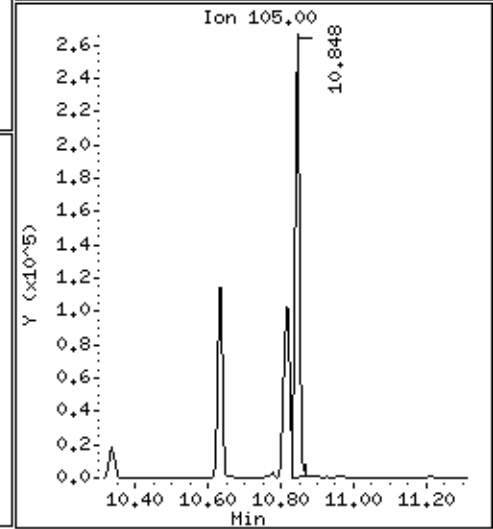
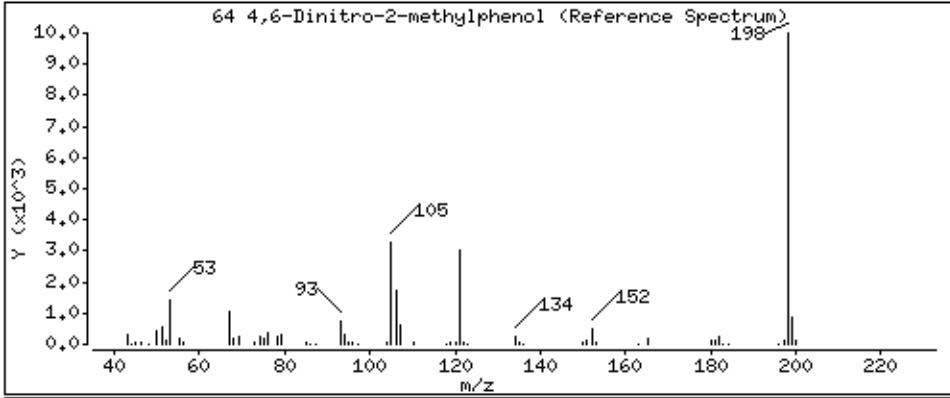
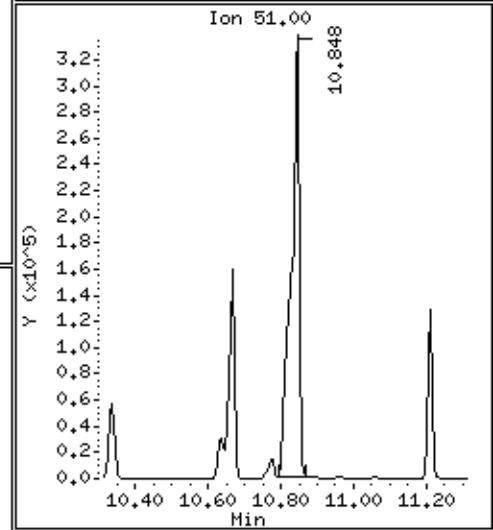
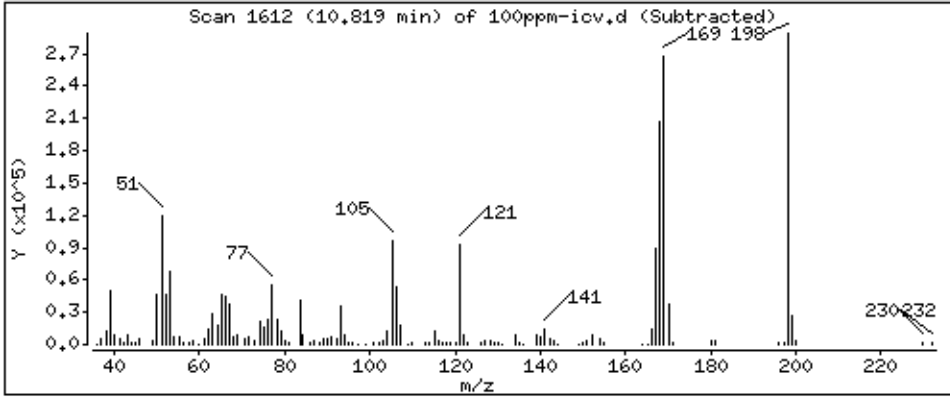
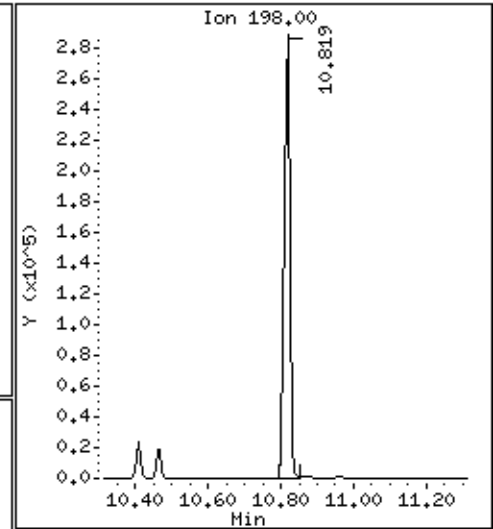
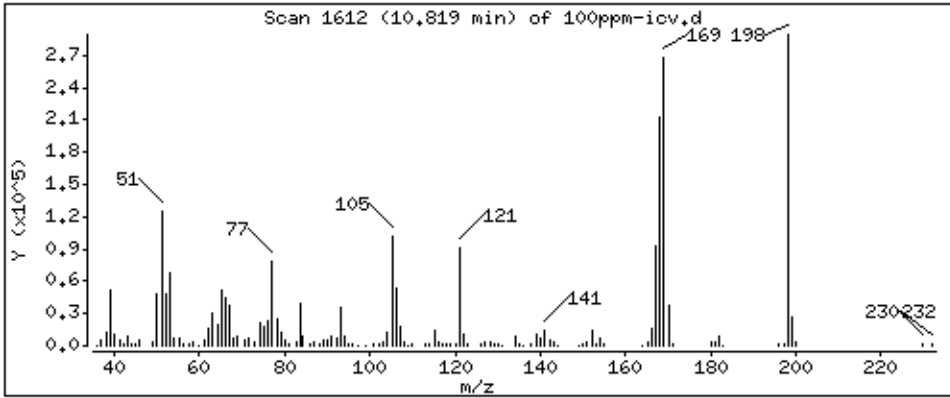
Operator: CEM

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

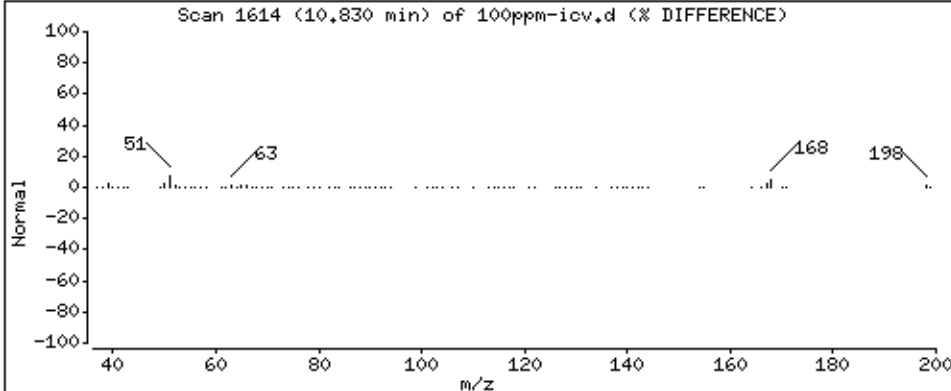
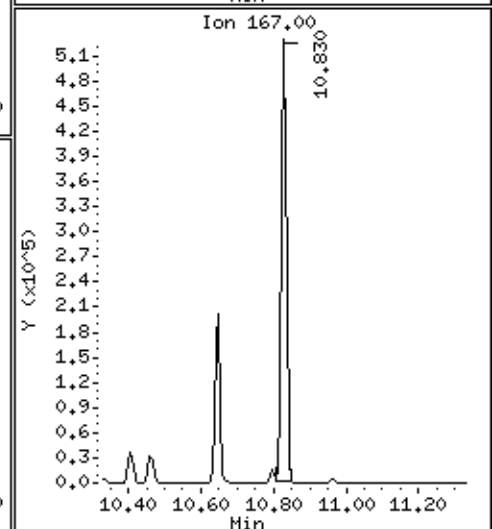
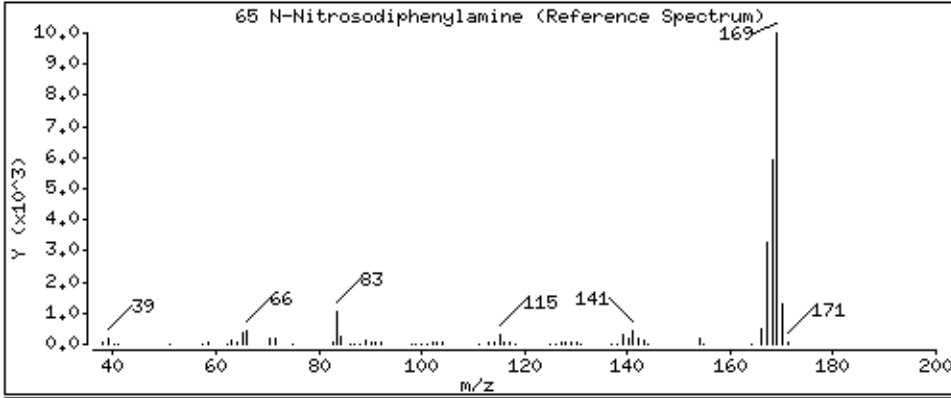
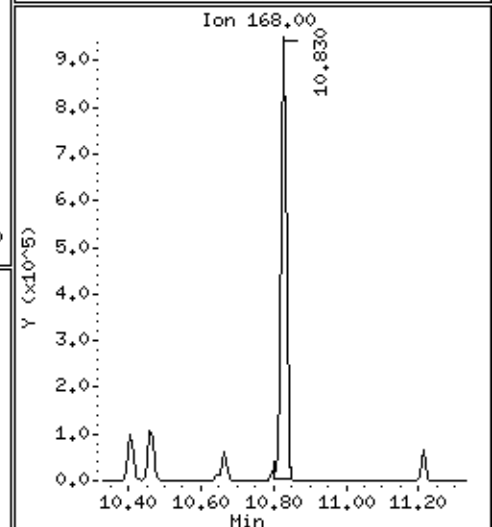
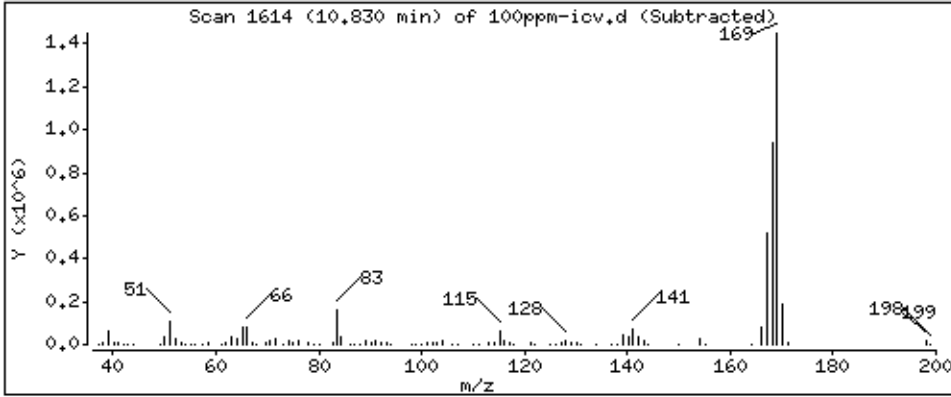
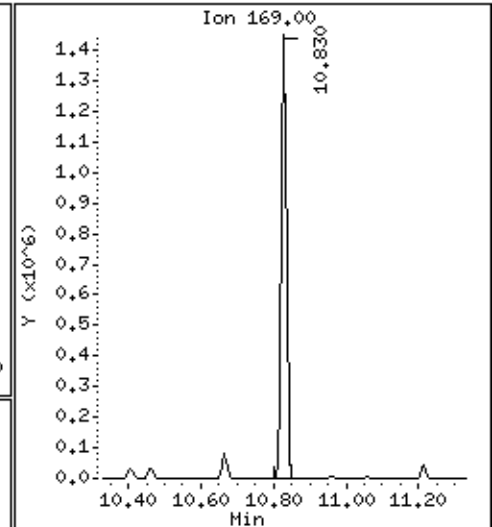
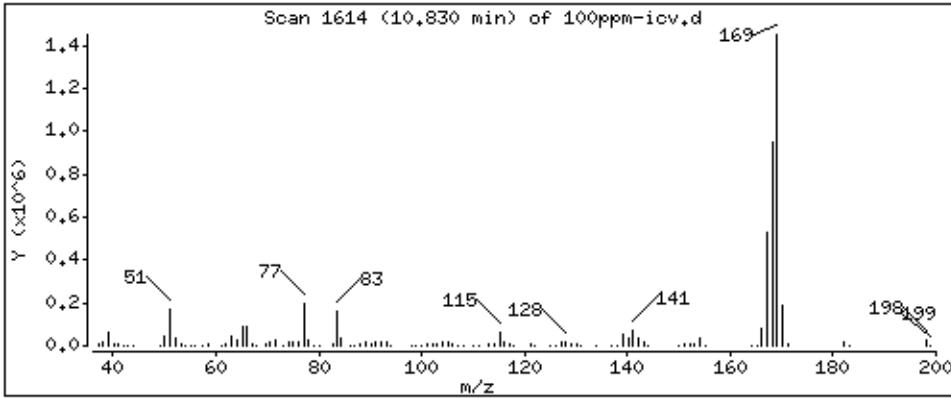
Operator: CEM

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

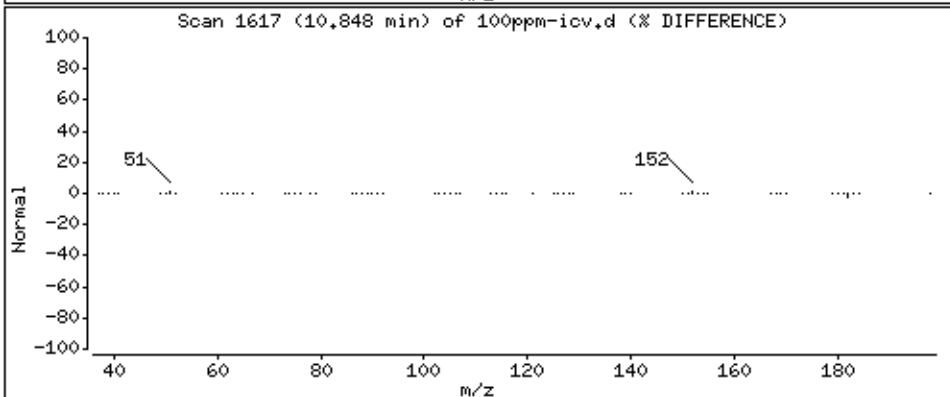
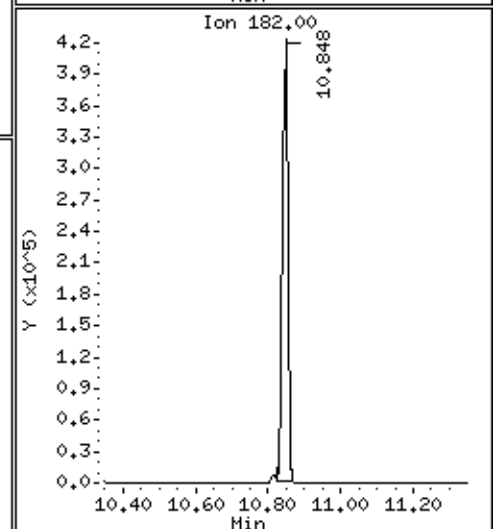
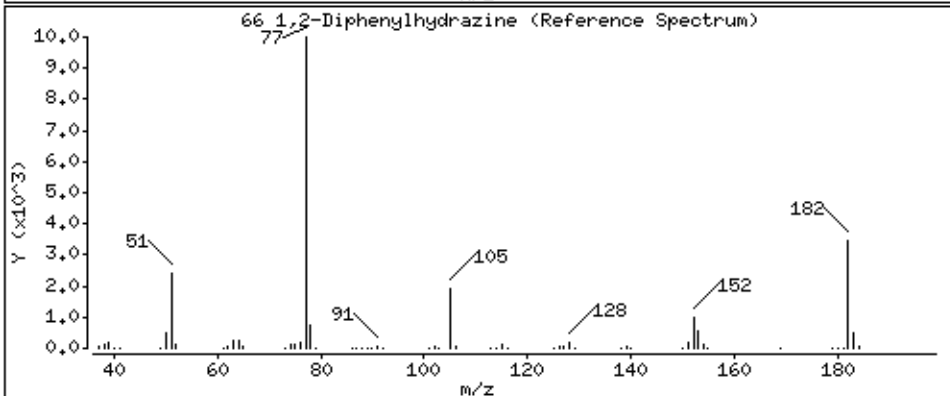
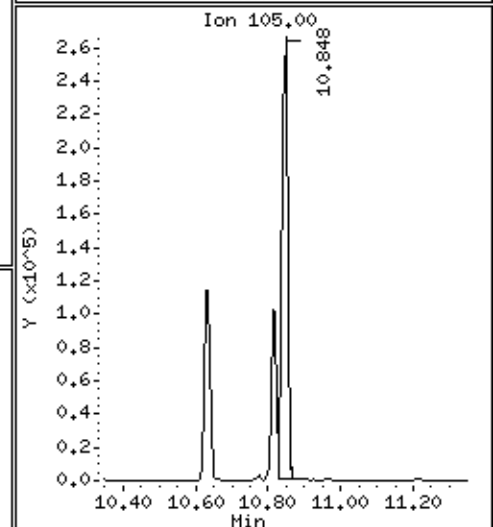
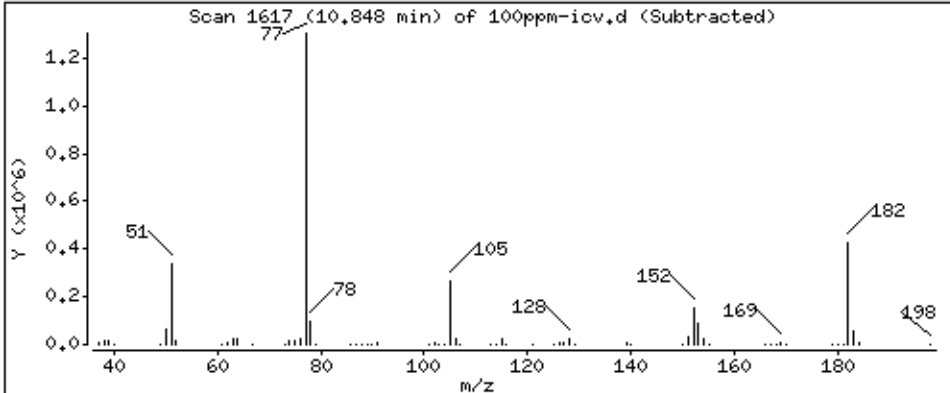
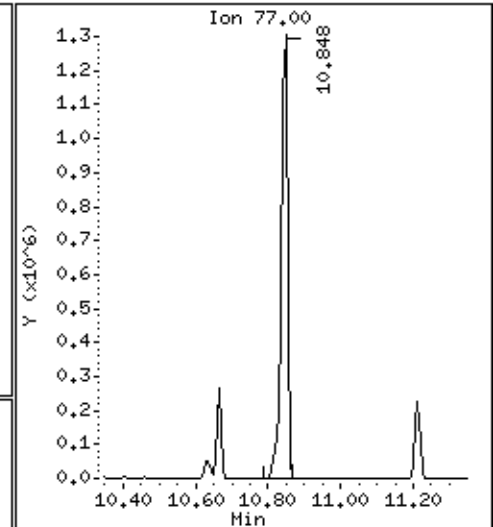
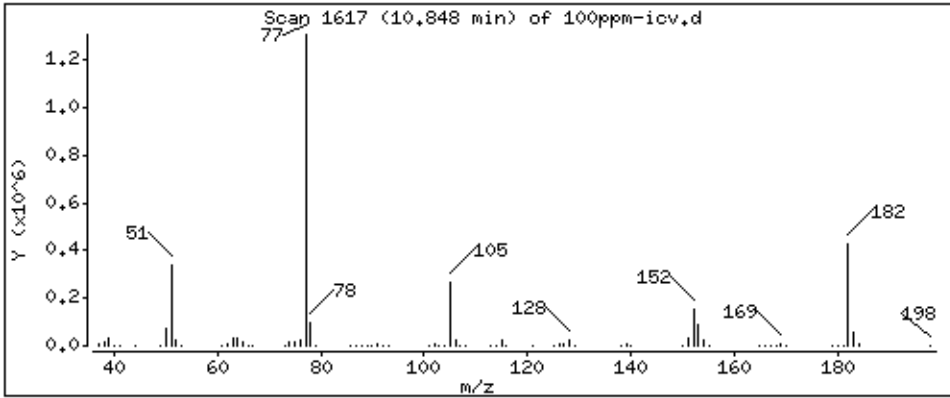
Operator: CEM

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

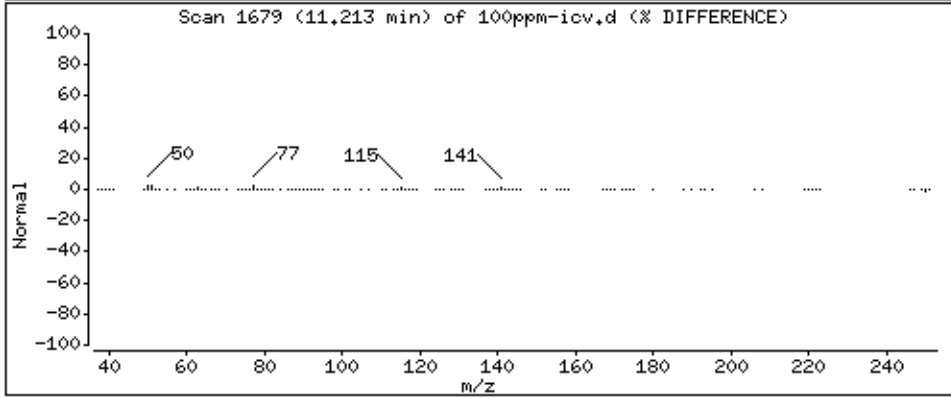
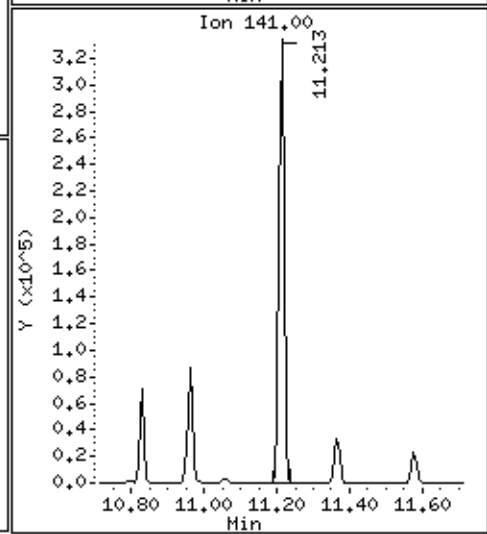
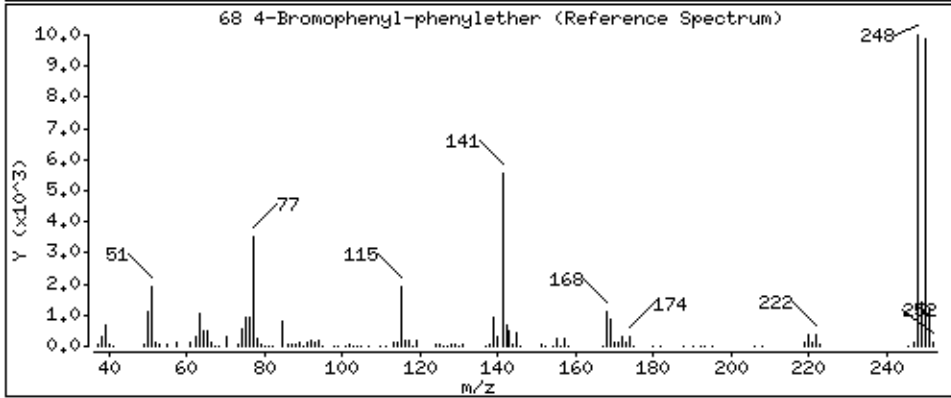
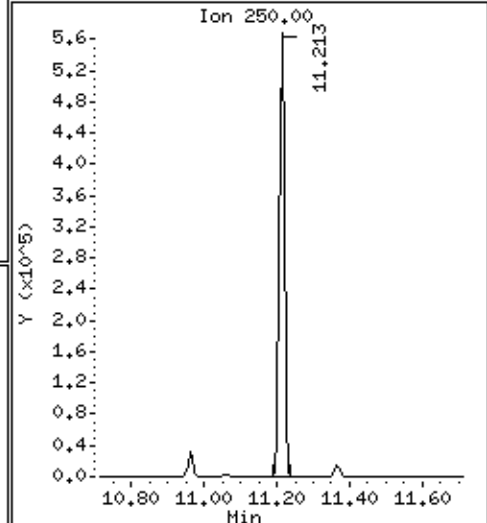
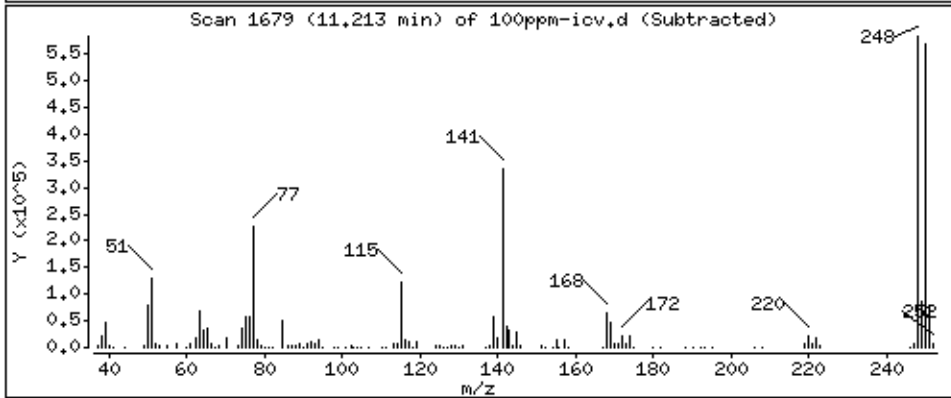
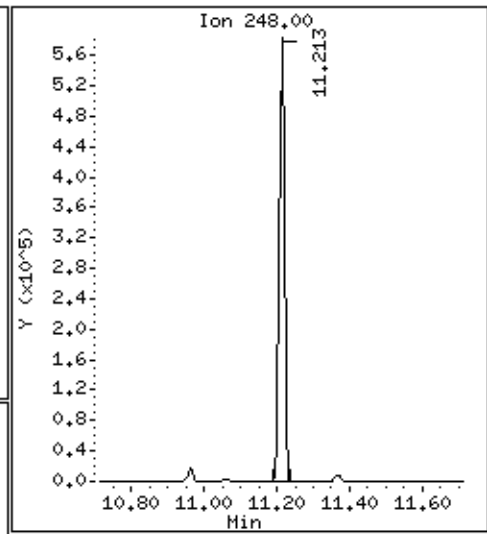
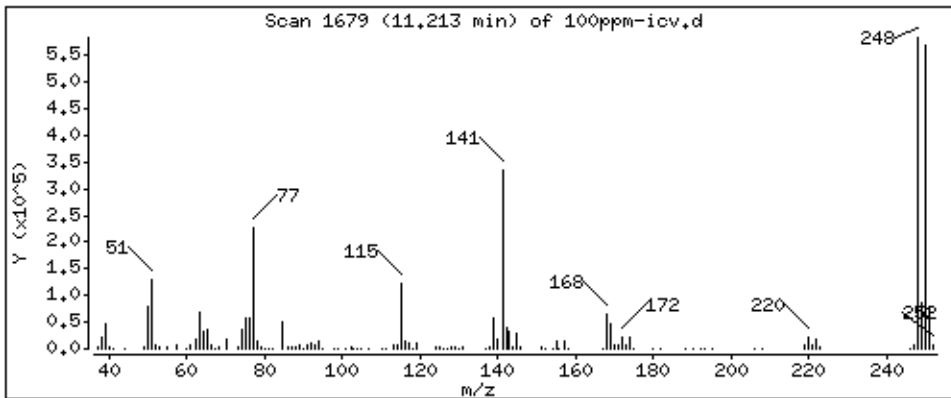
Operator: CEM

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

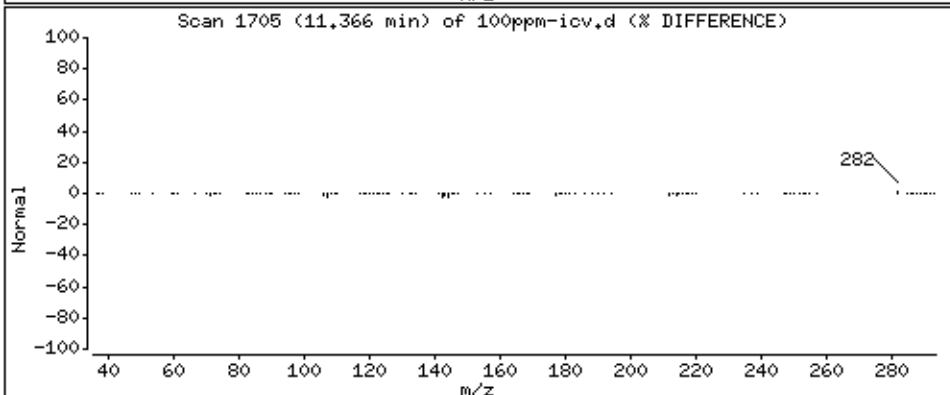
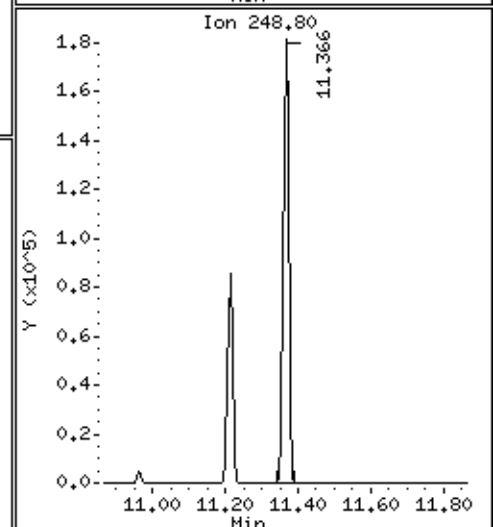
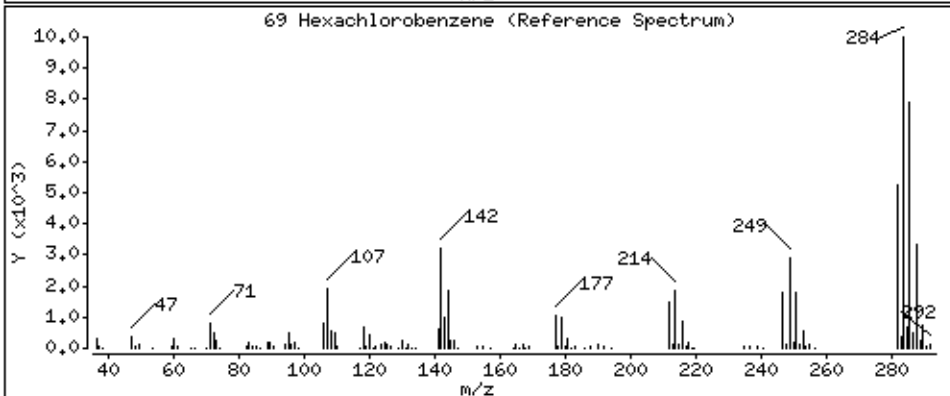
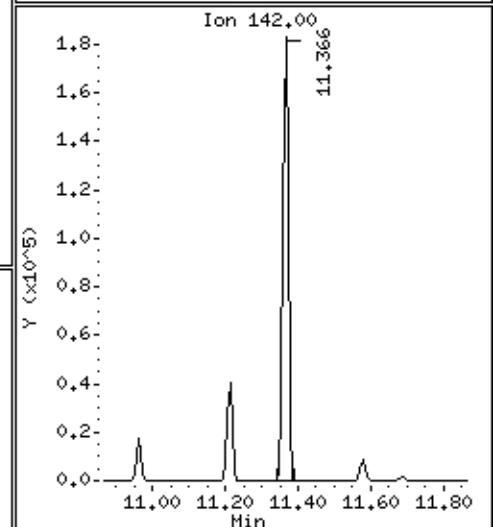
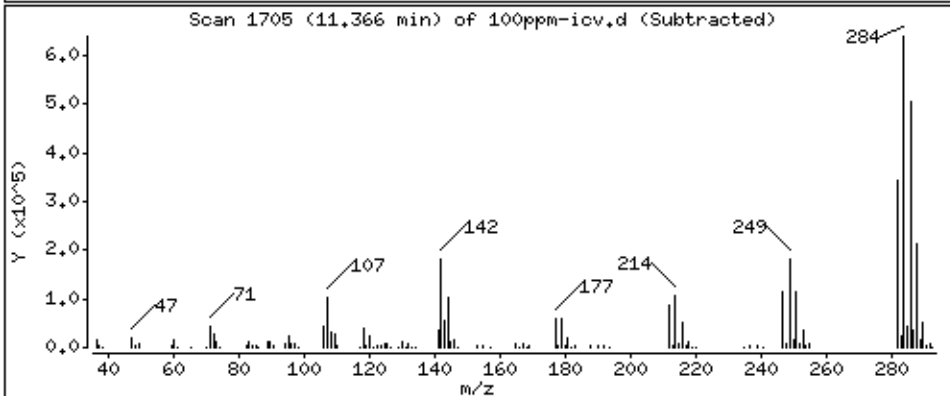
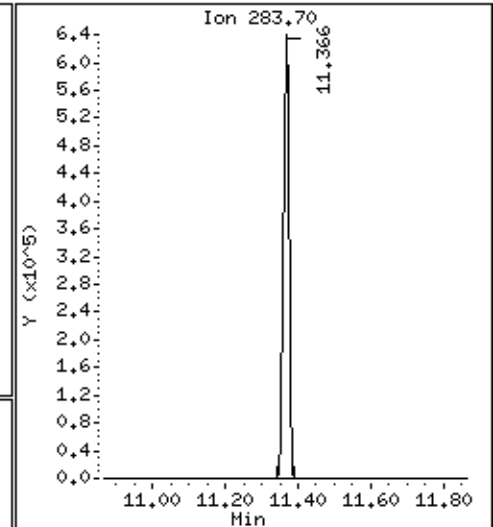
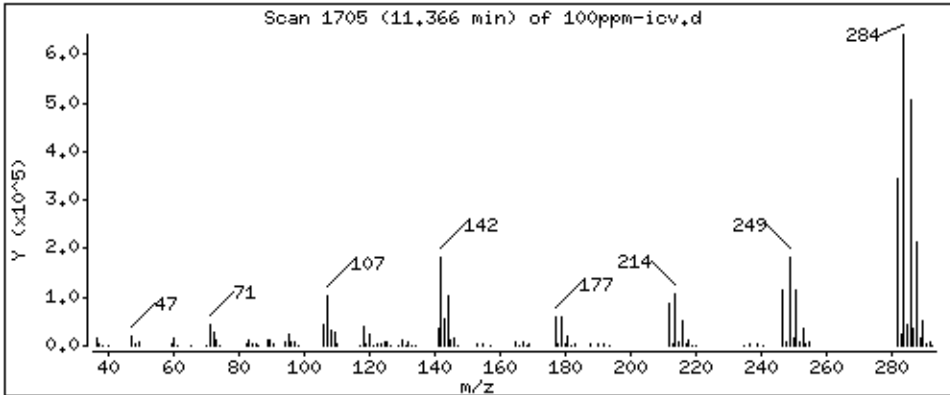
Operator: CEM

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

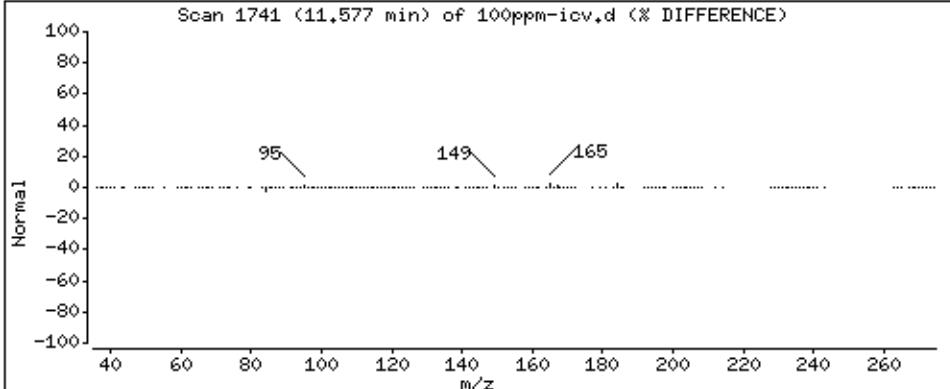
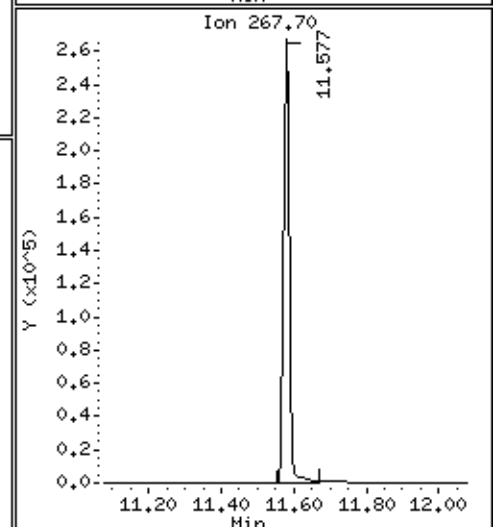
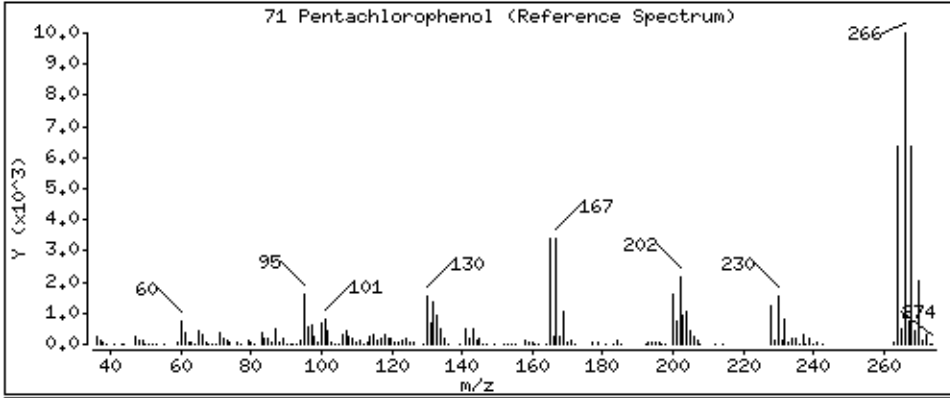
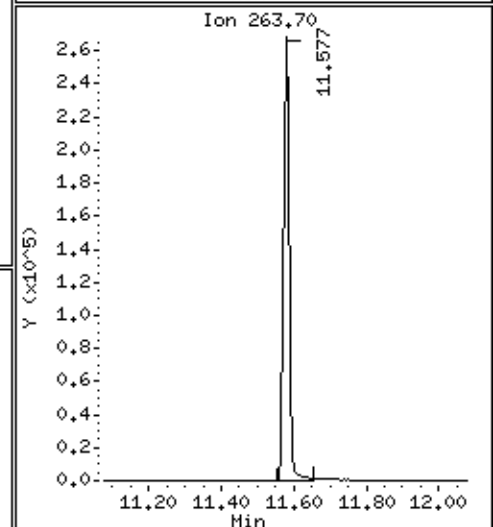
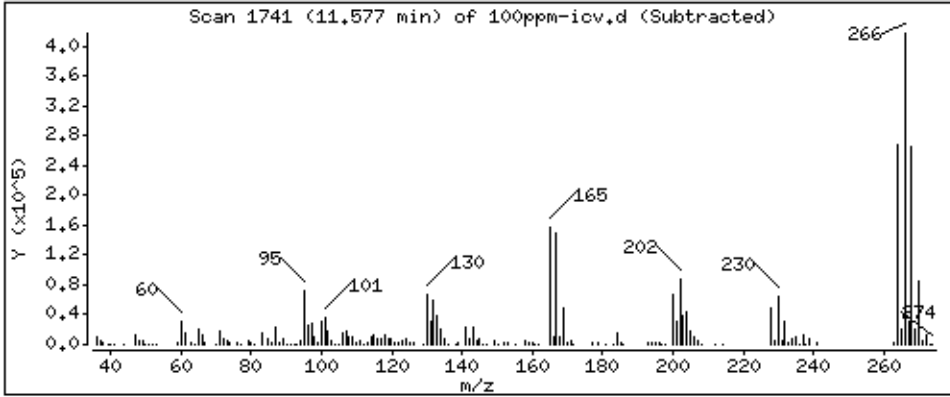
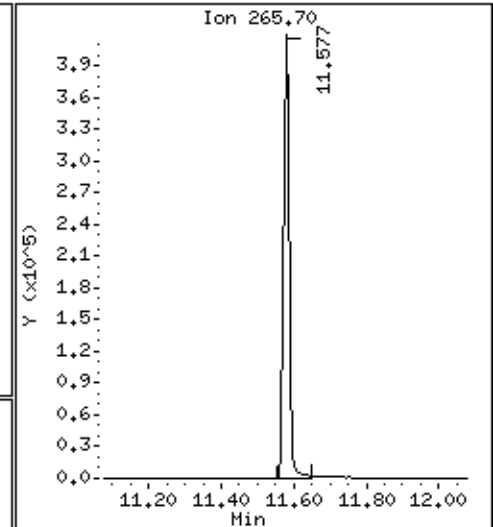
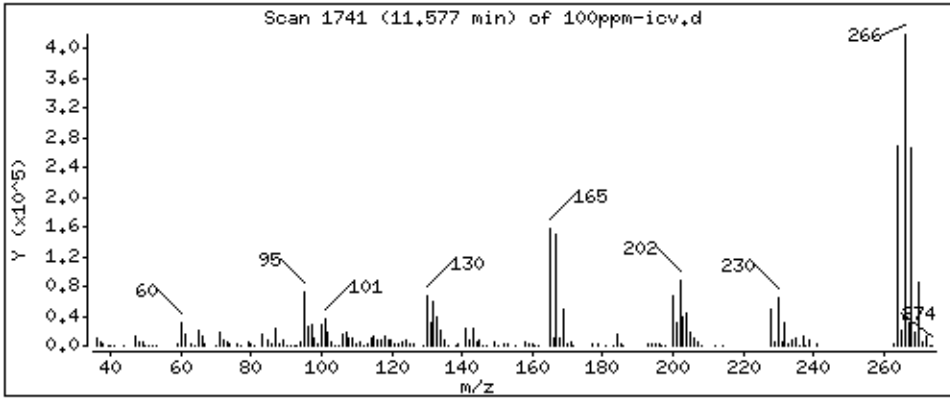
Operator: CEM

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

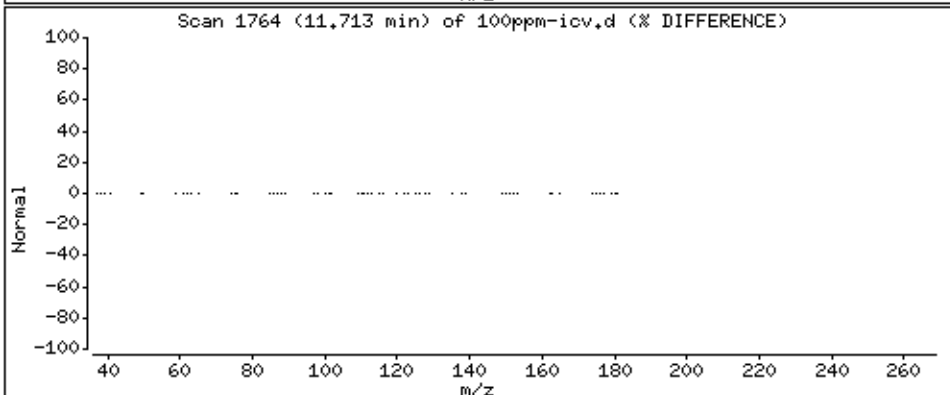
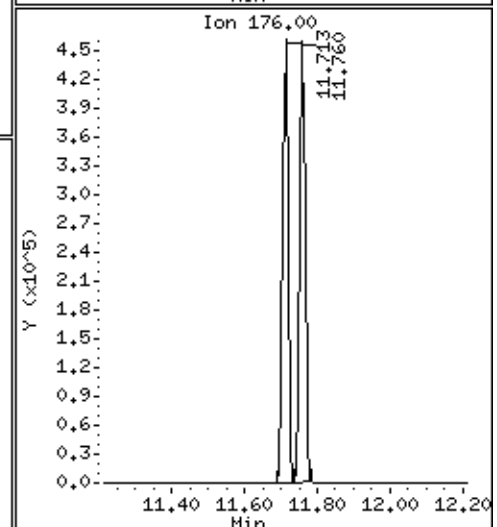
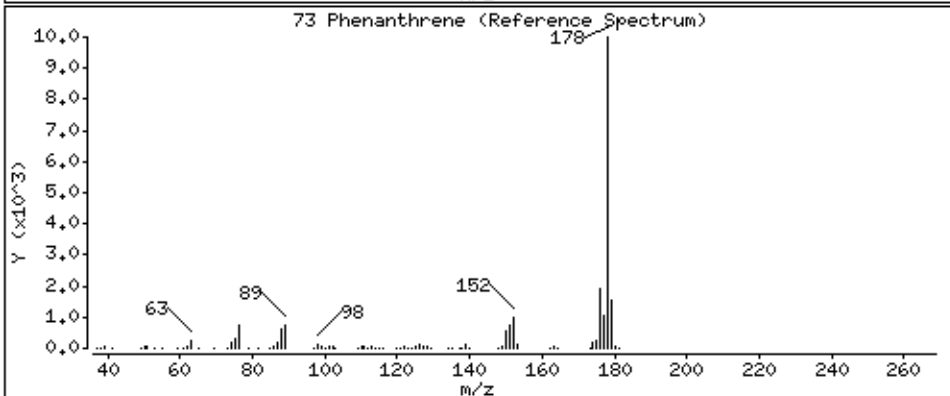
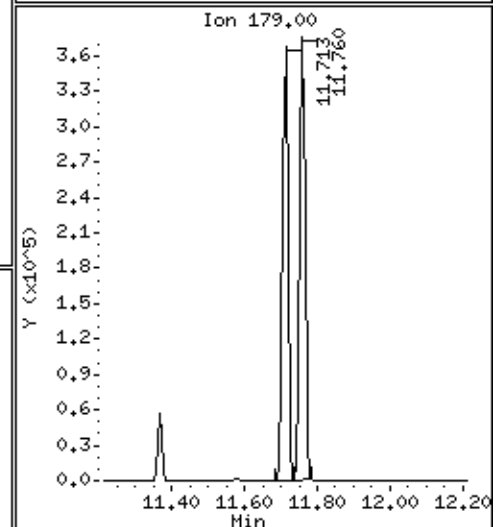
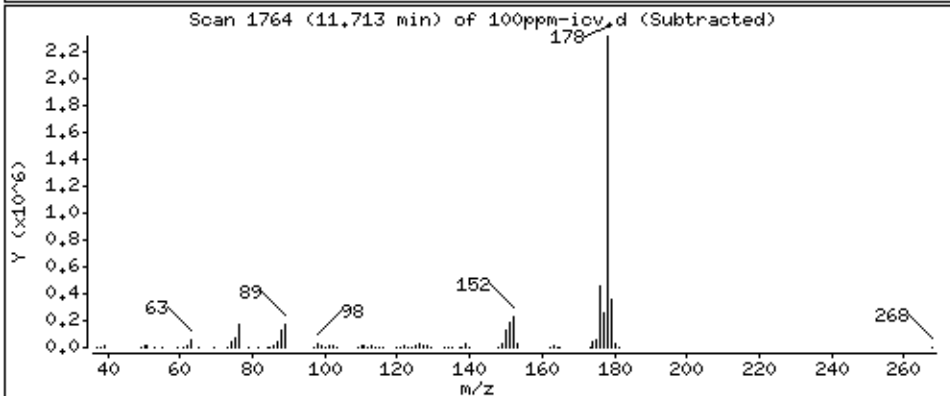
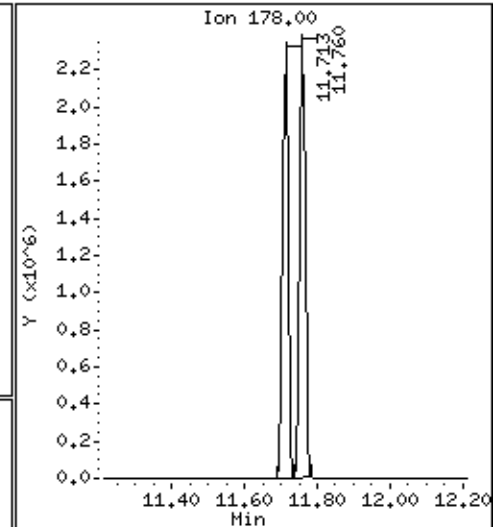
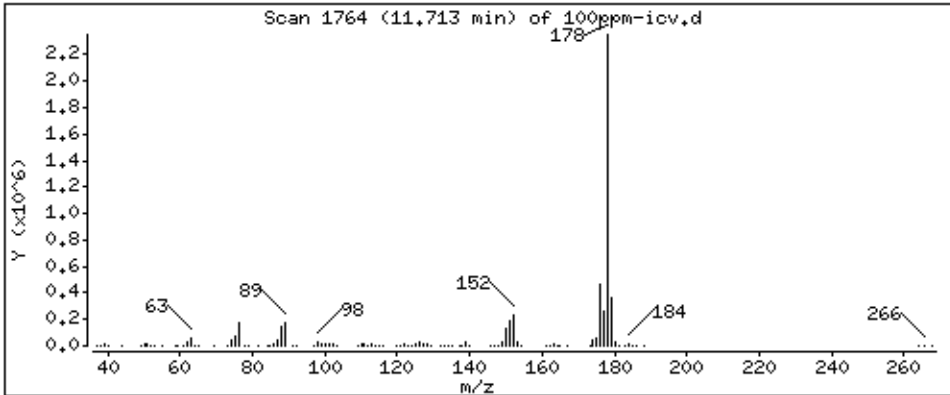
Operator: CEM

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

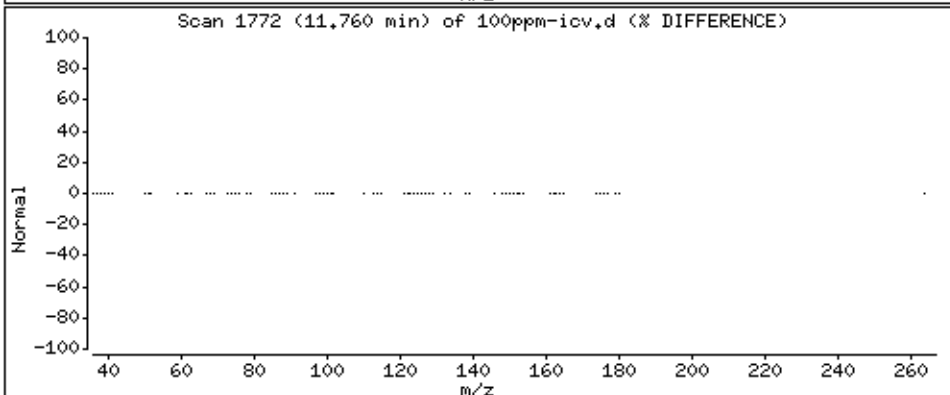
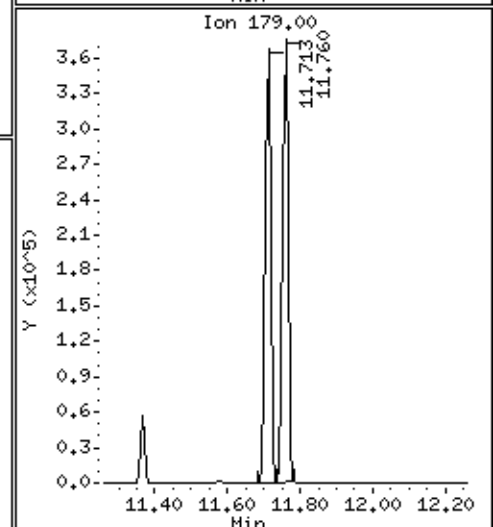
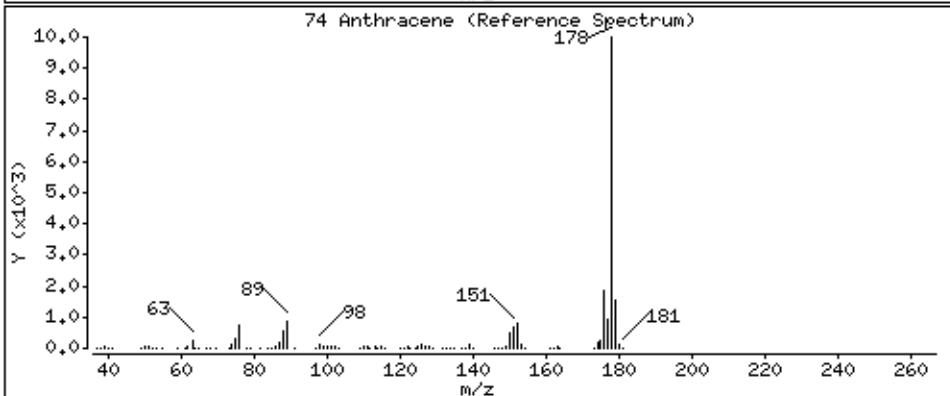
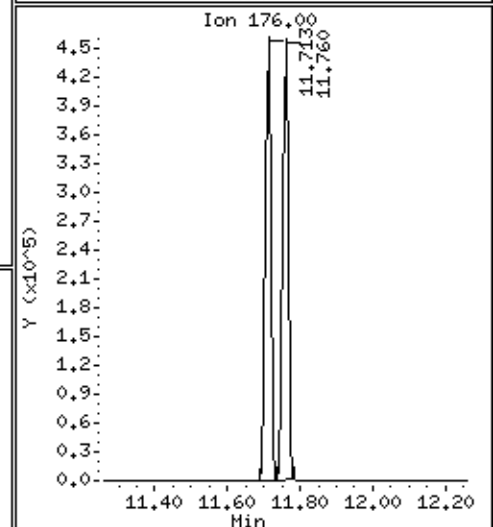
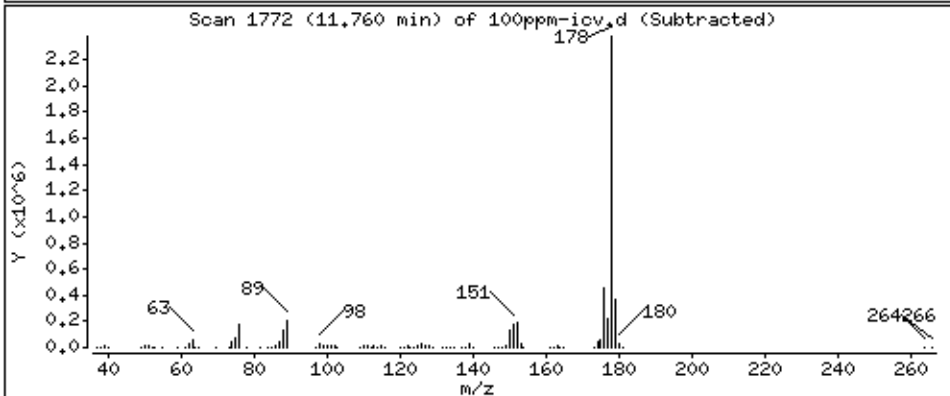
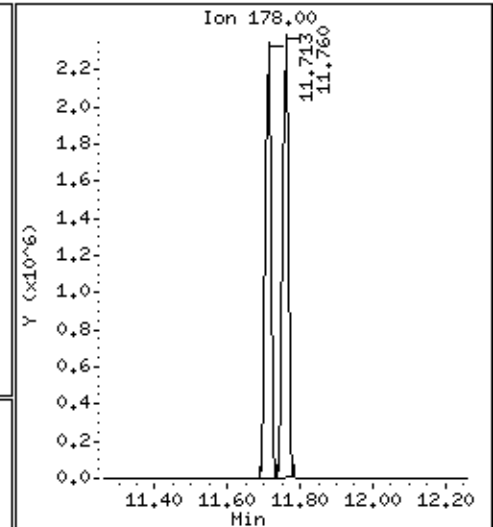
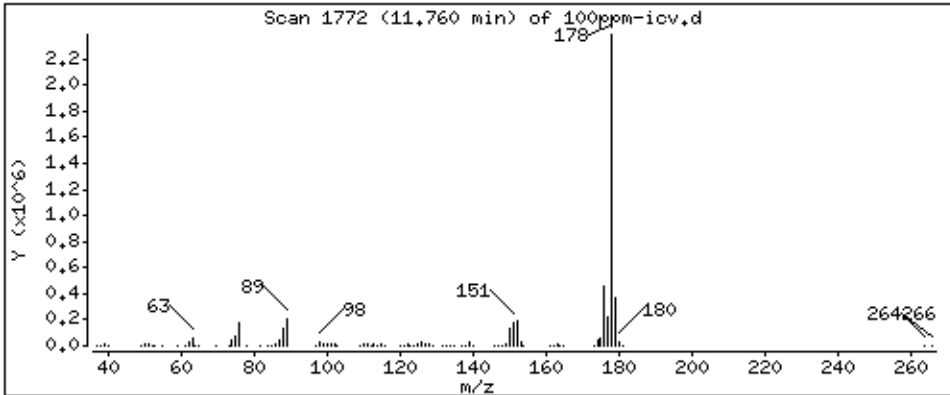
Operator: CEM

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

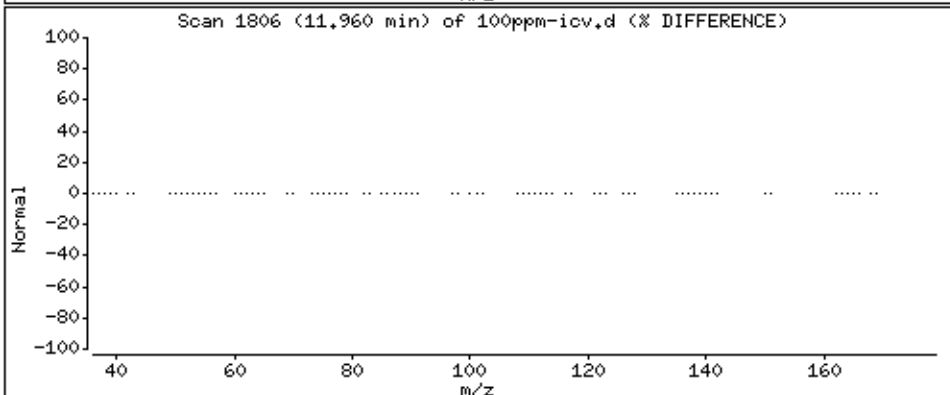
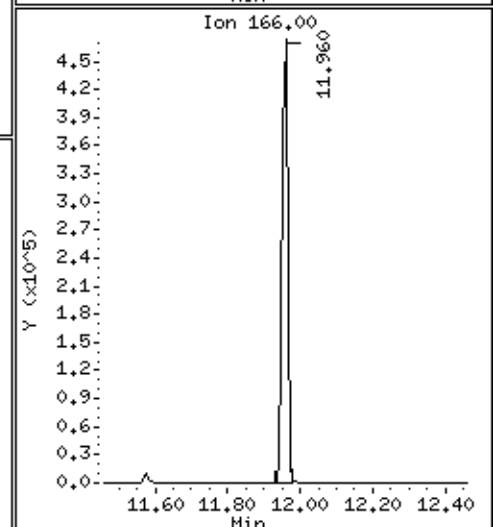
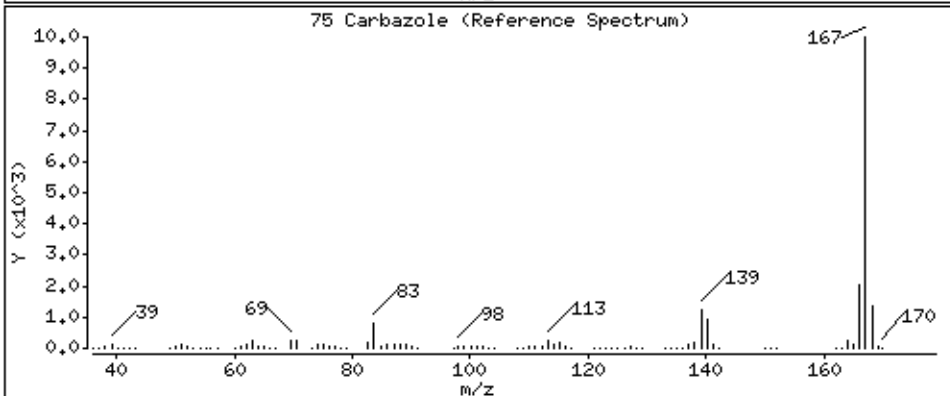
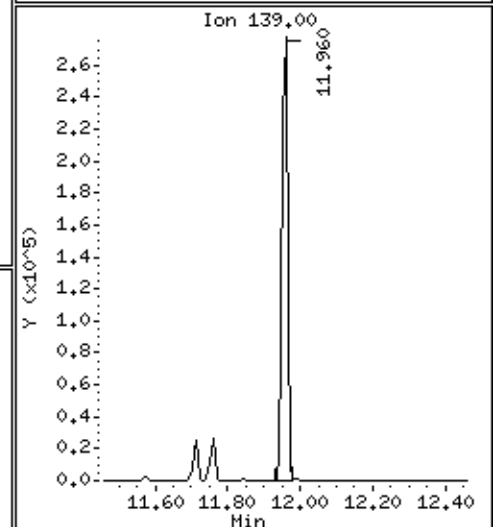
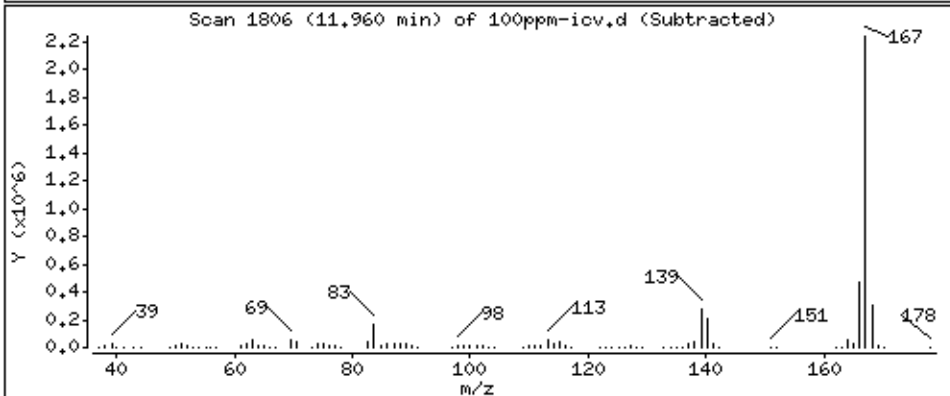
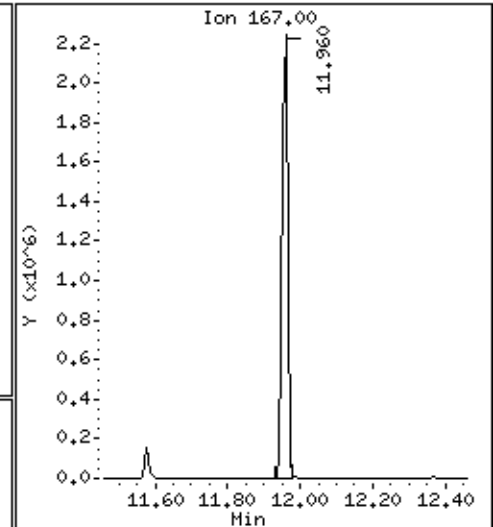
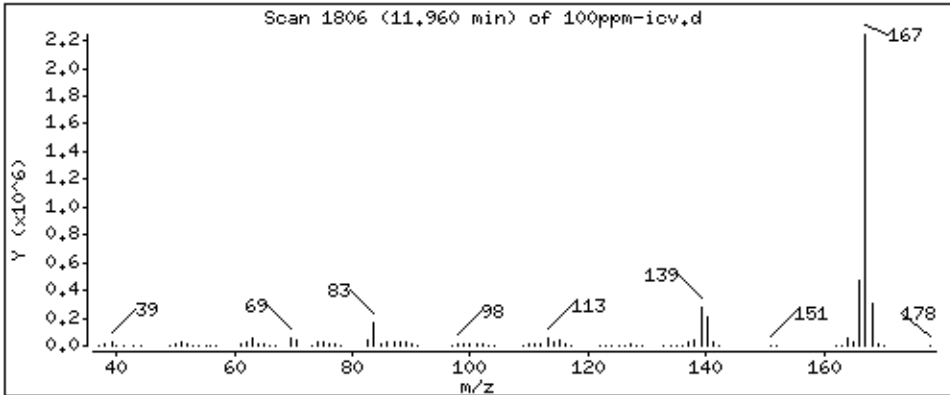
Operator: CEM

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

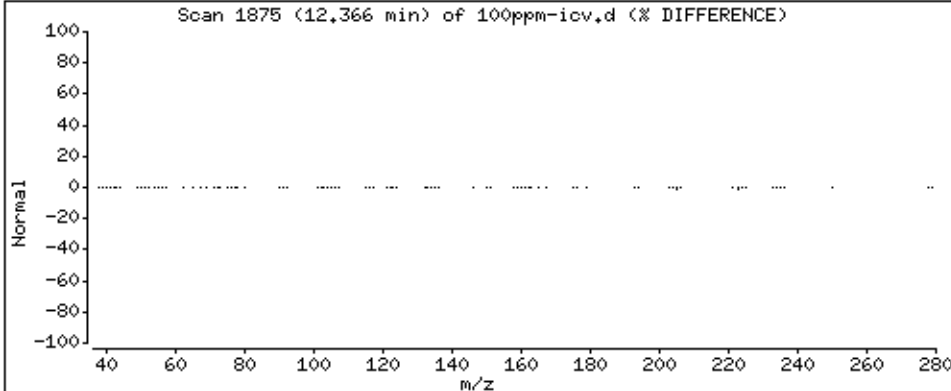
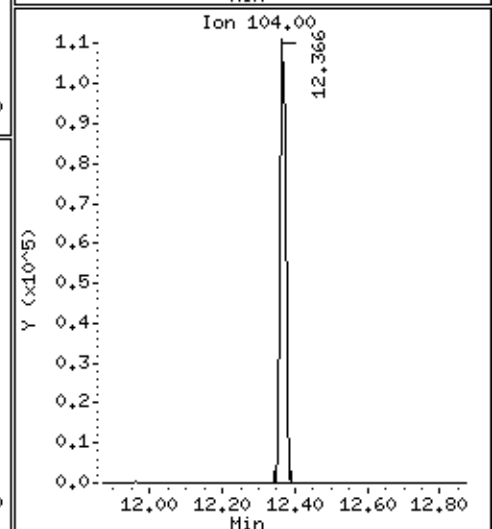
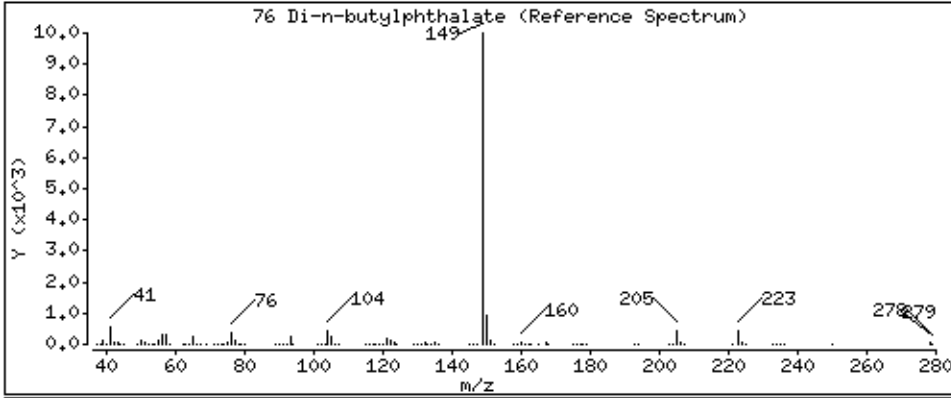
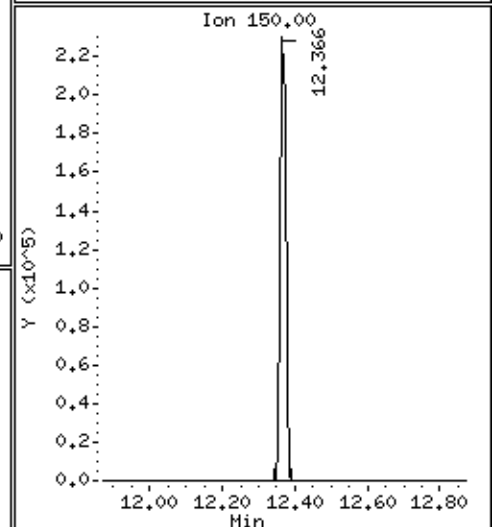
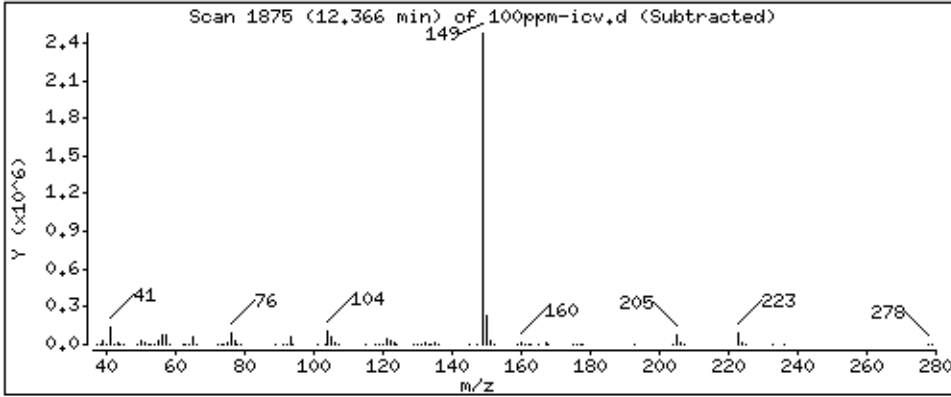
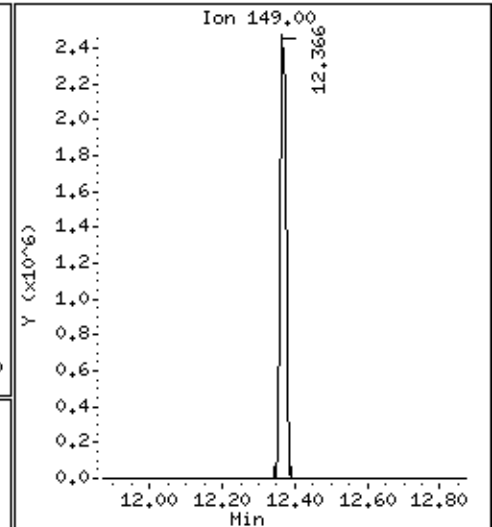
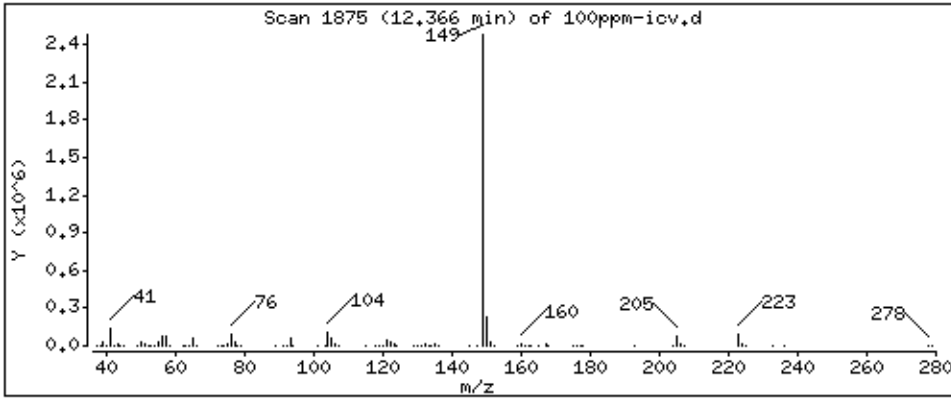
Operator: CEM

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

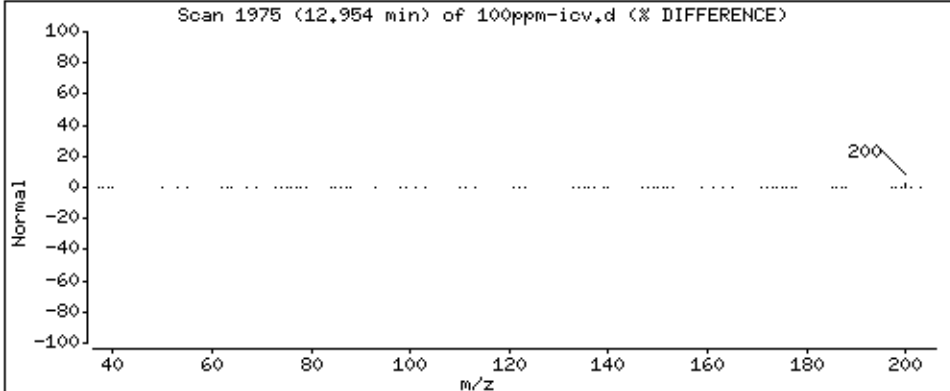
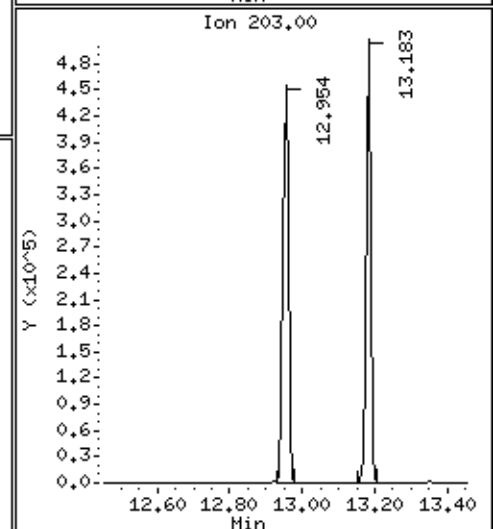
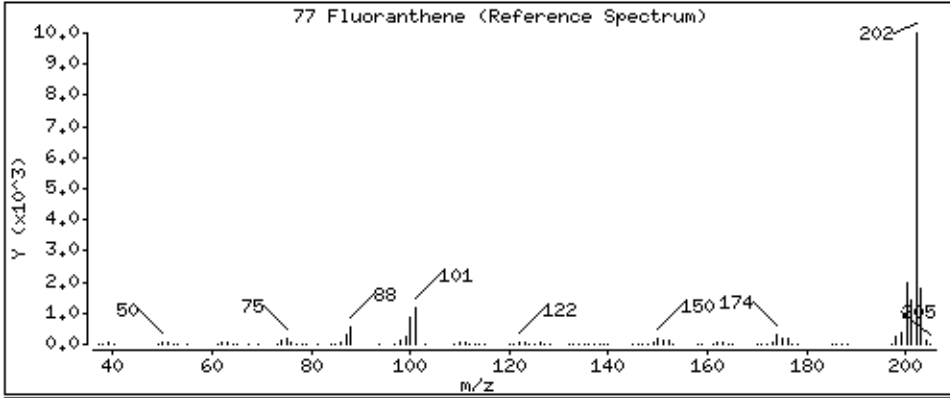
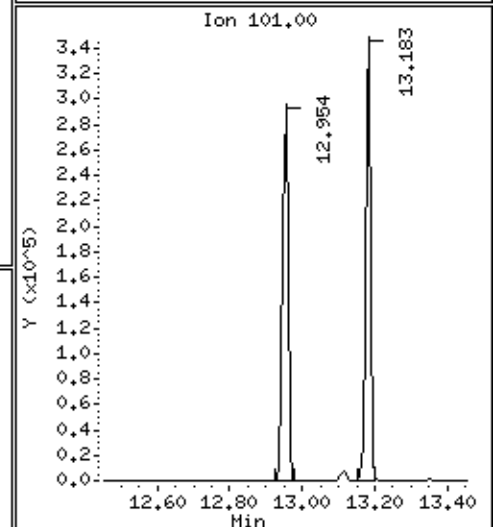
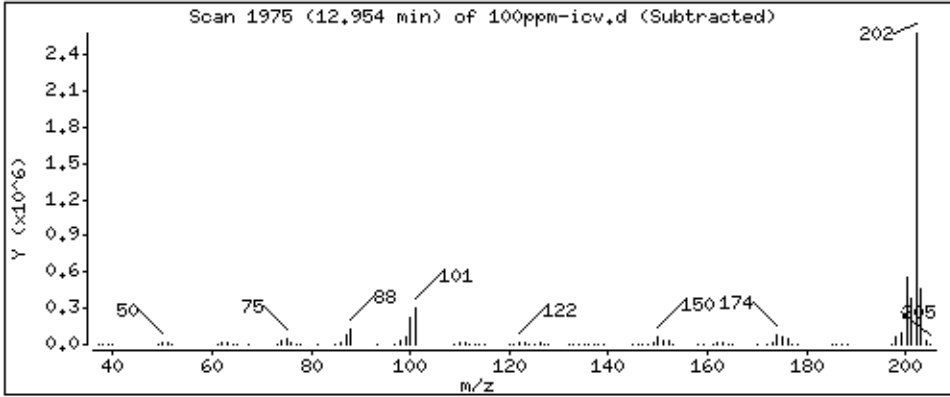
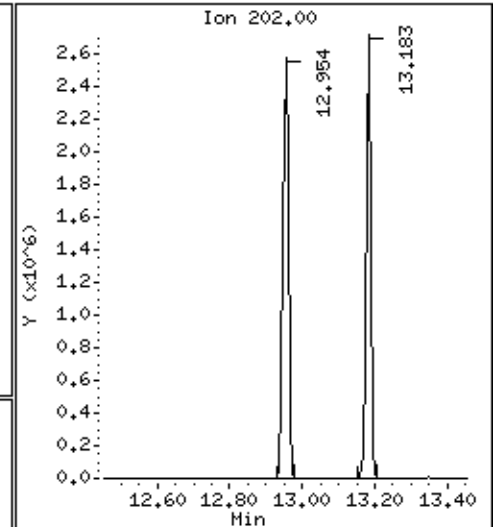
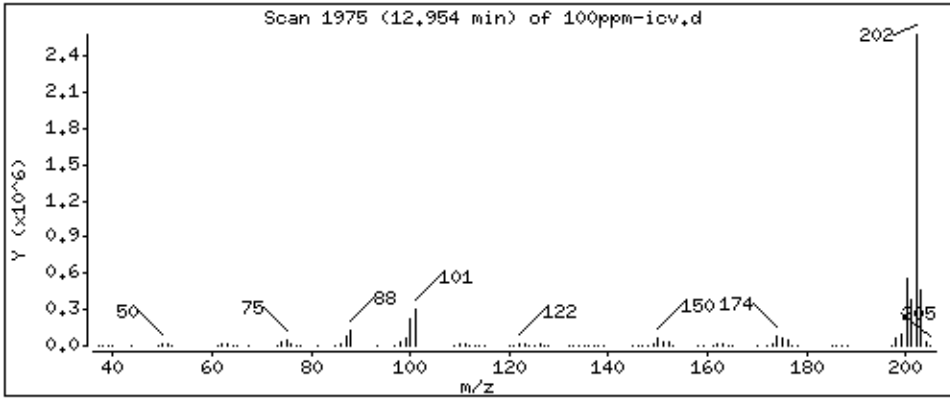
Operator: CEM

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

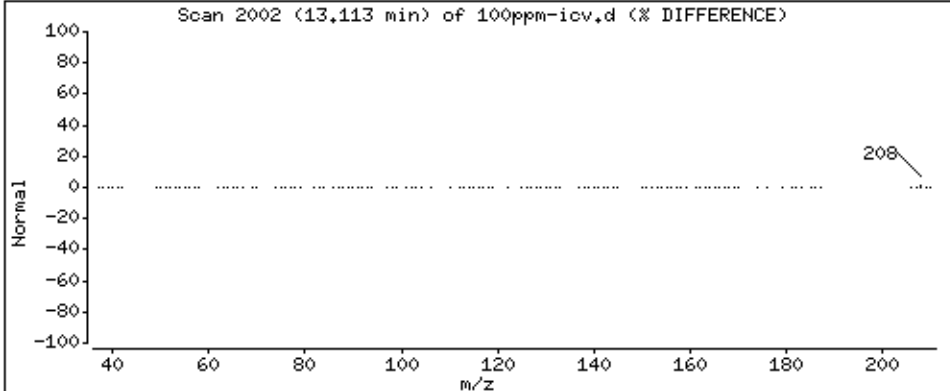
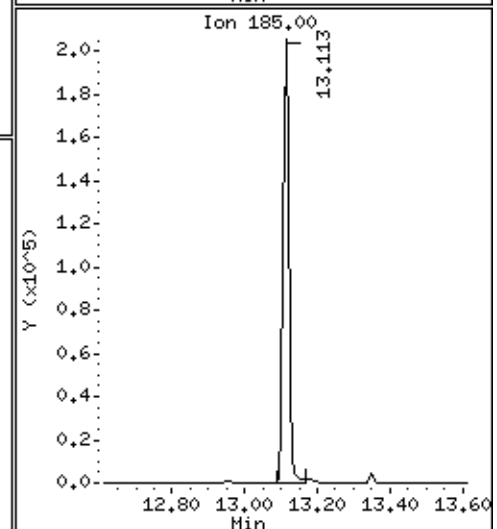
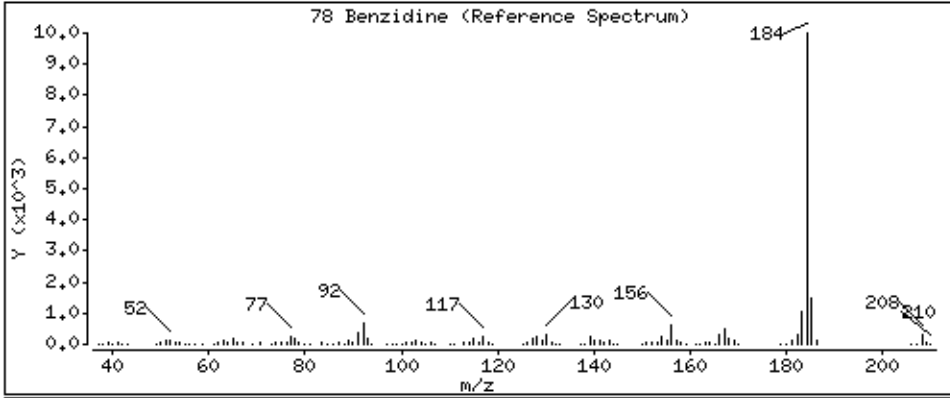
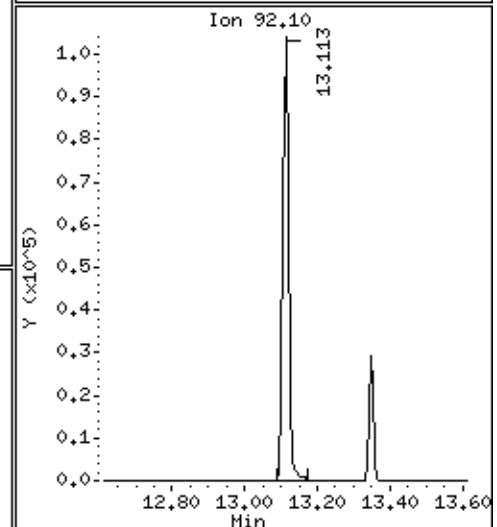
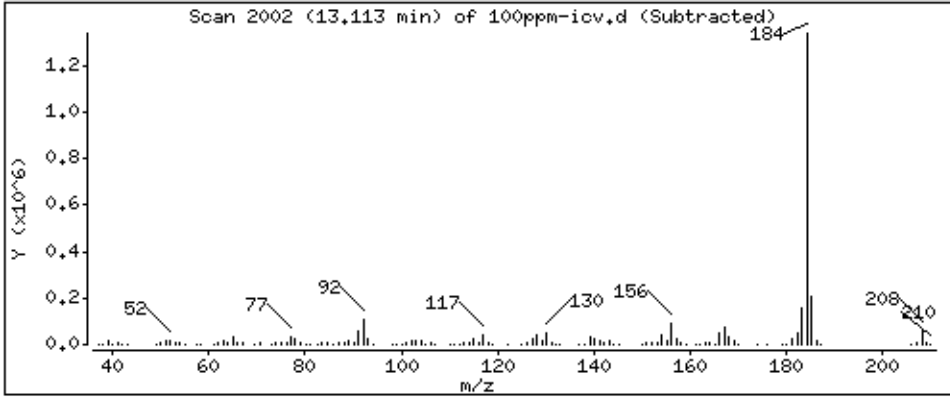
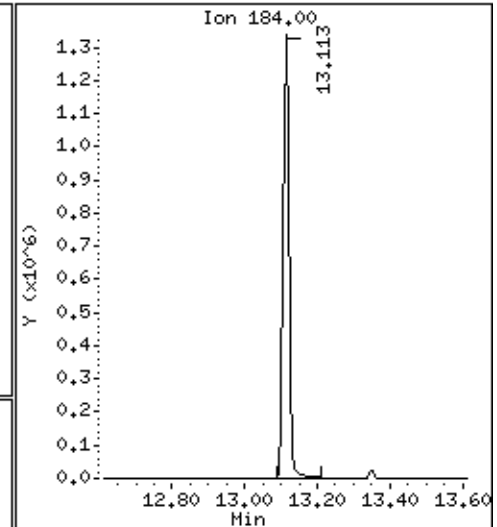
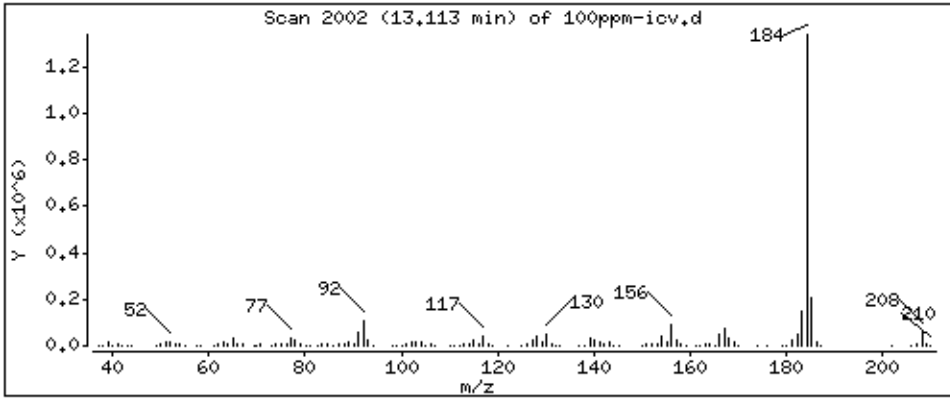
Operator: CEM

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

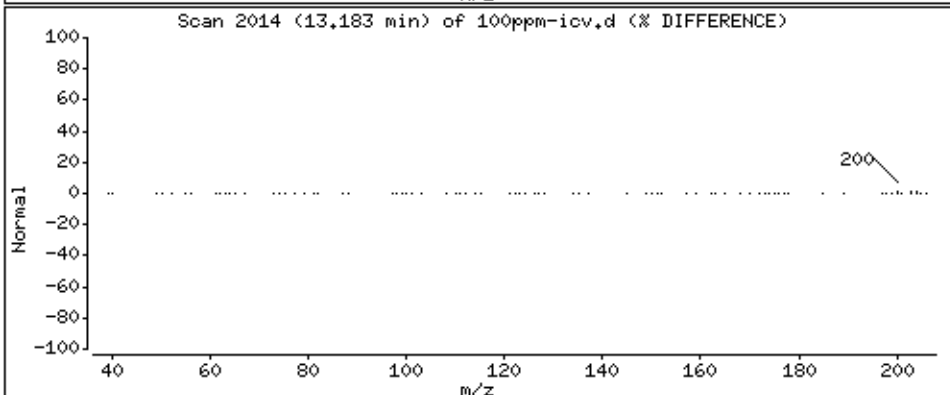
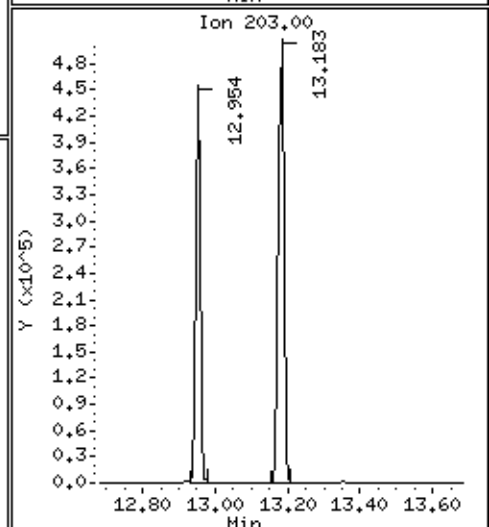
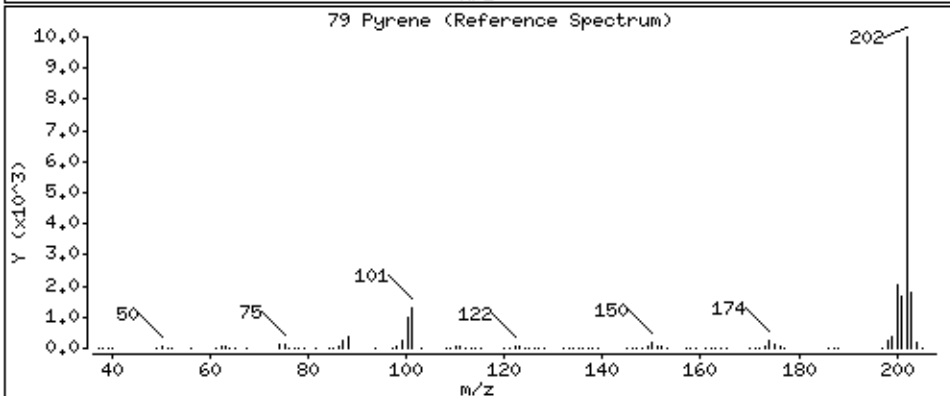
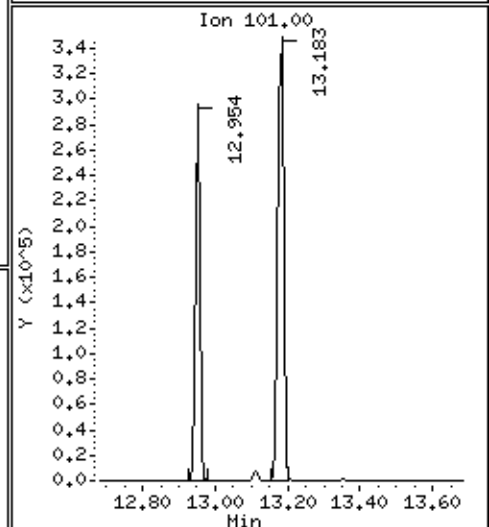
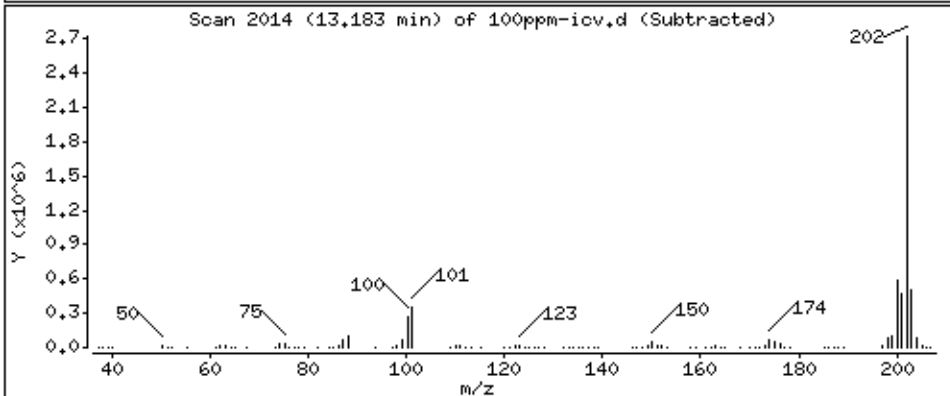
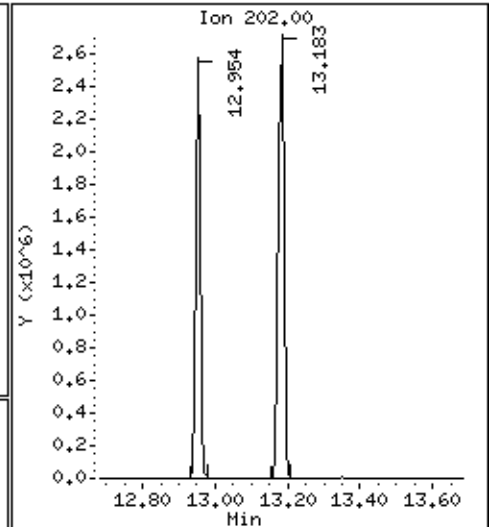
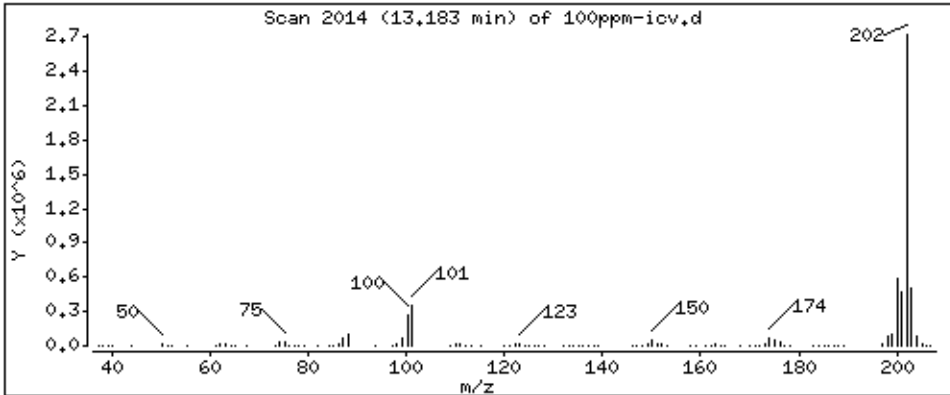
Operator: CEM

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

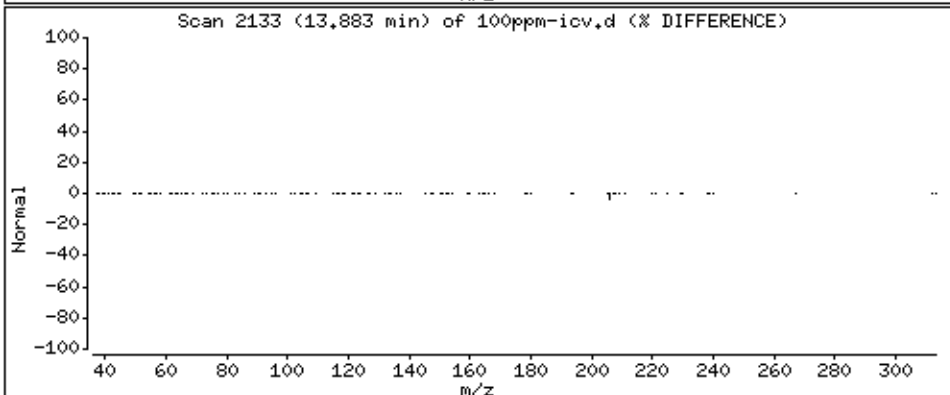
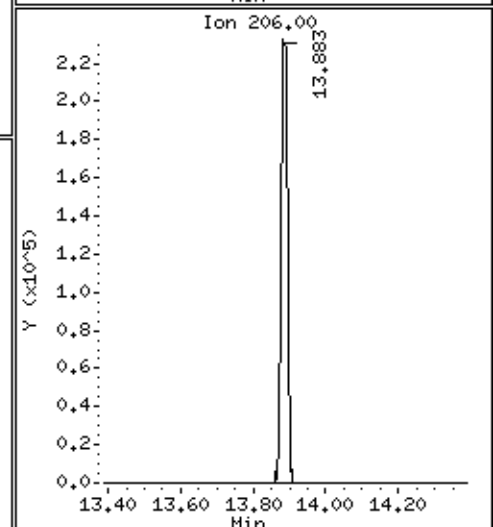
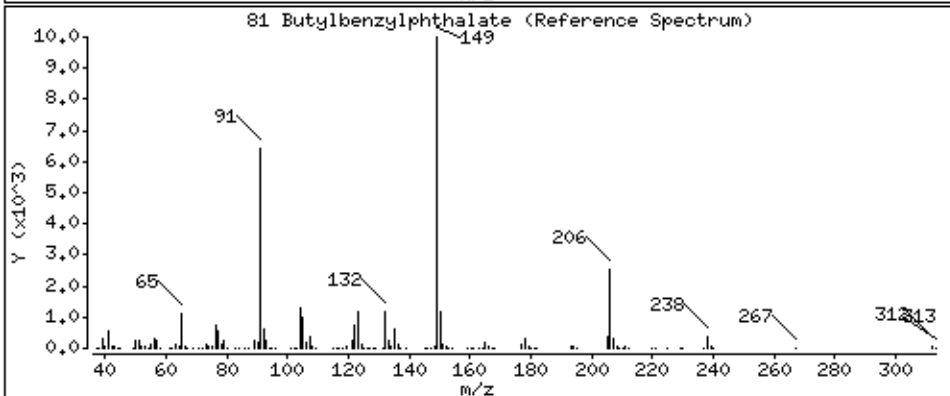
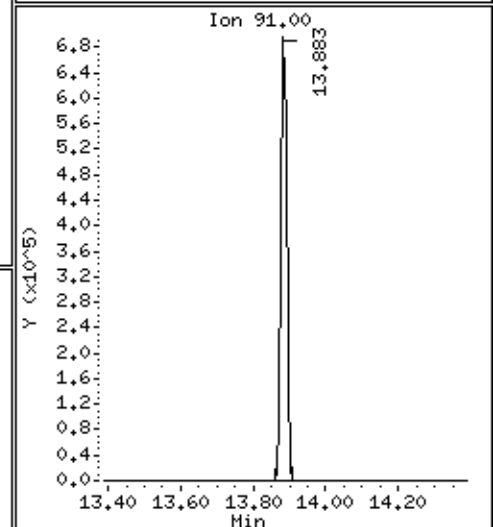
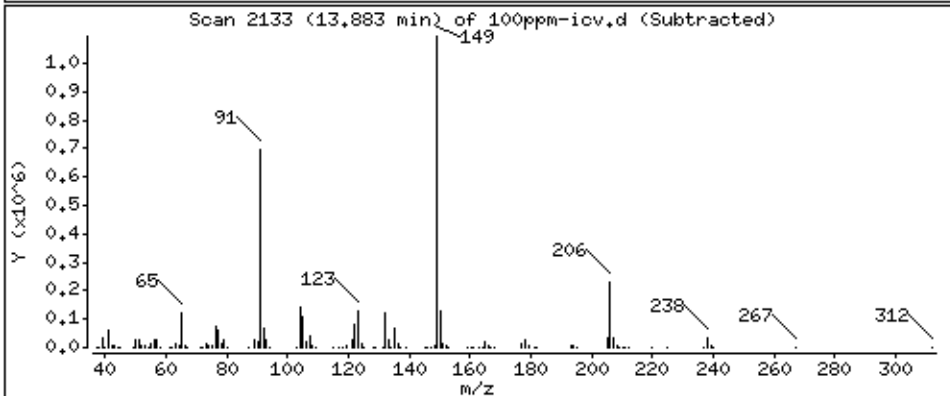
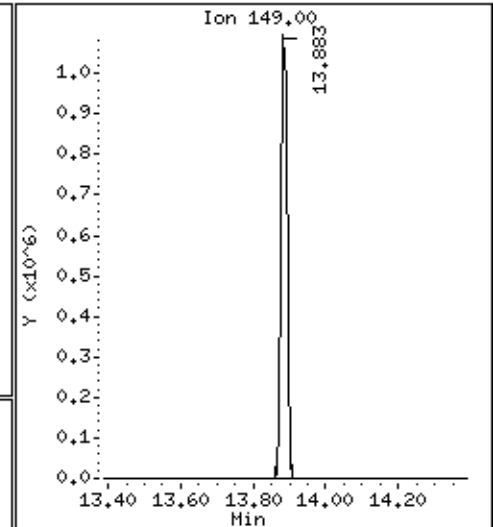
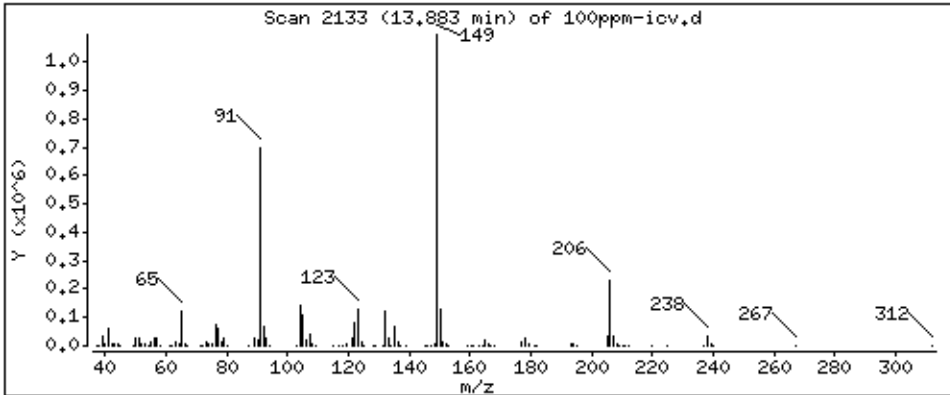
Operator: CEM

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

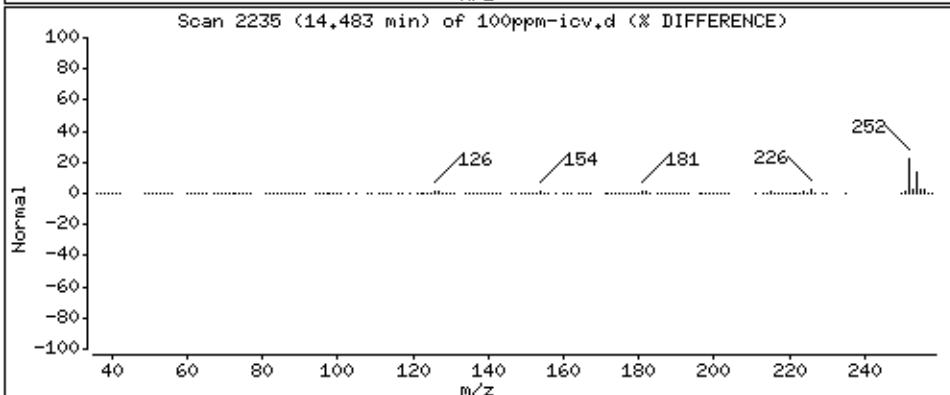
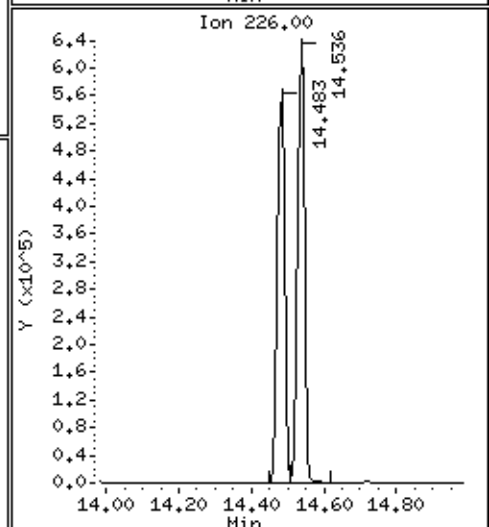
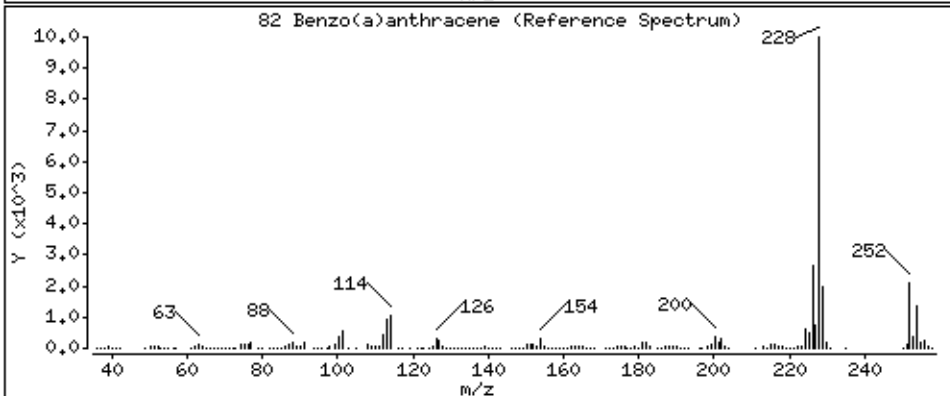
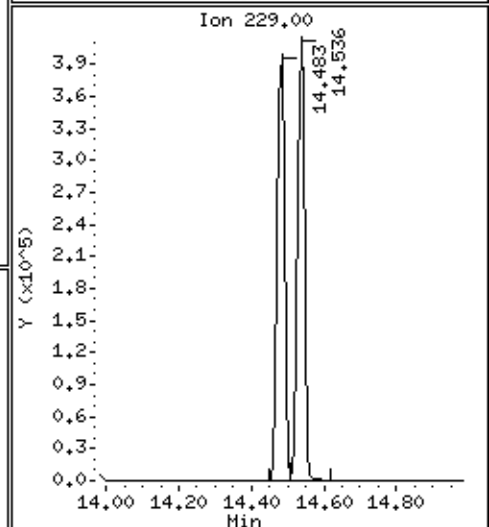
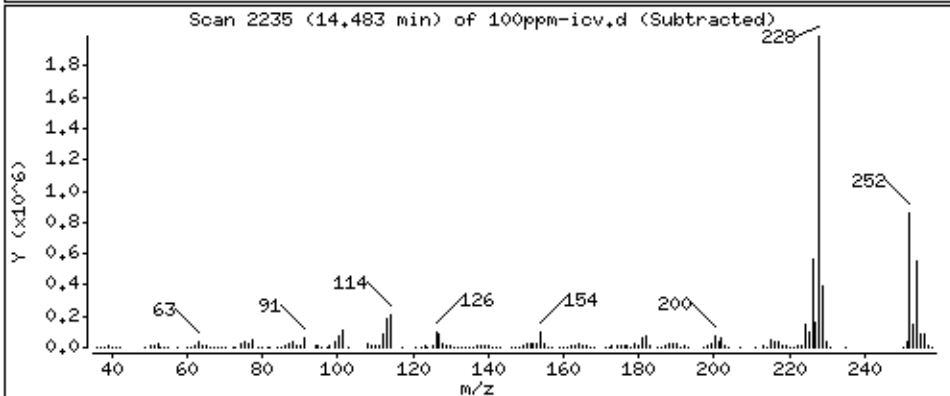
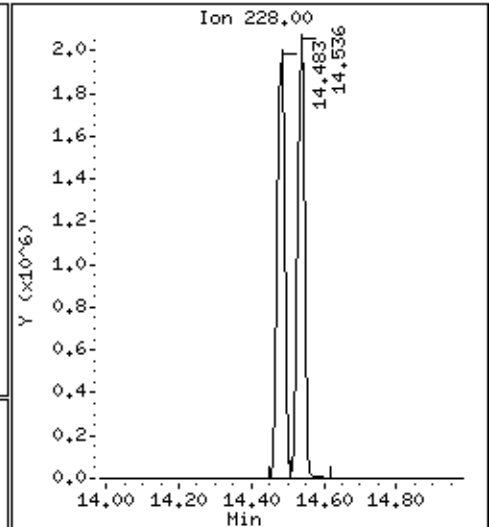
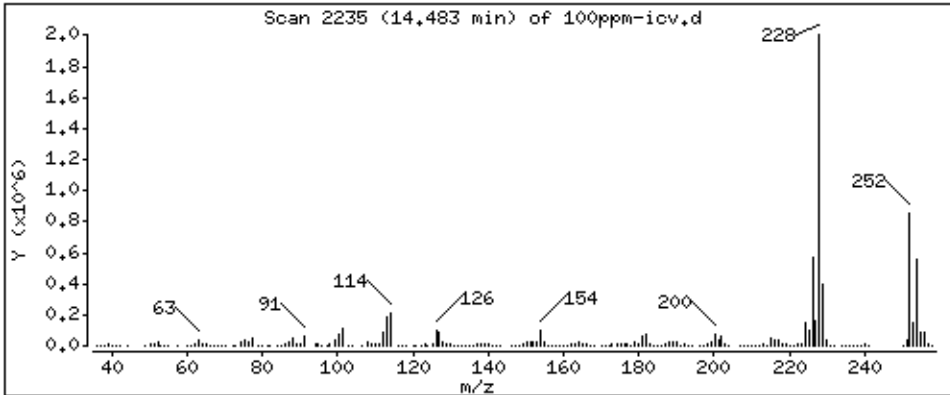
Operator: CEM

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

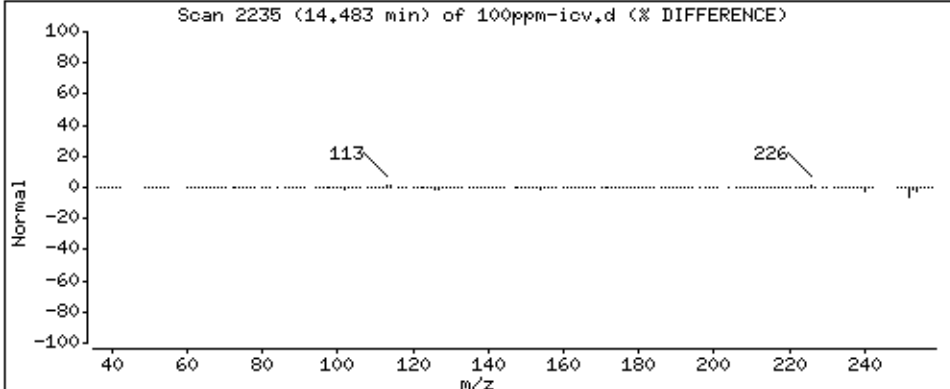
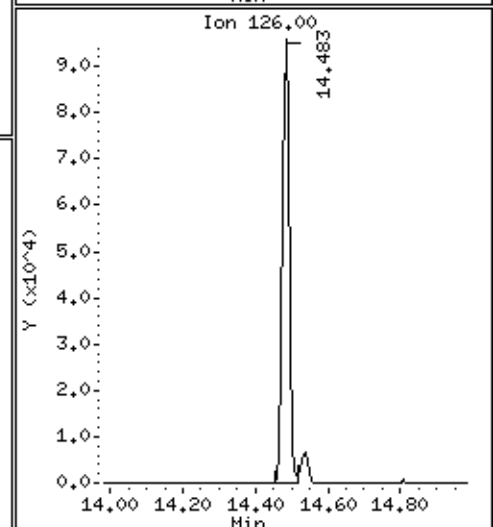
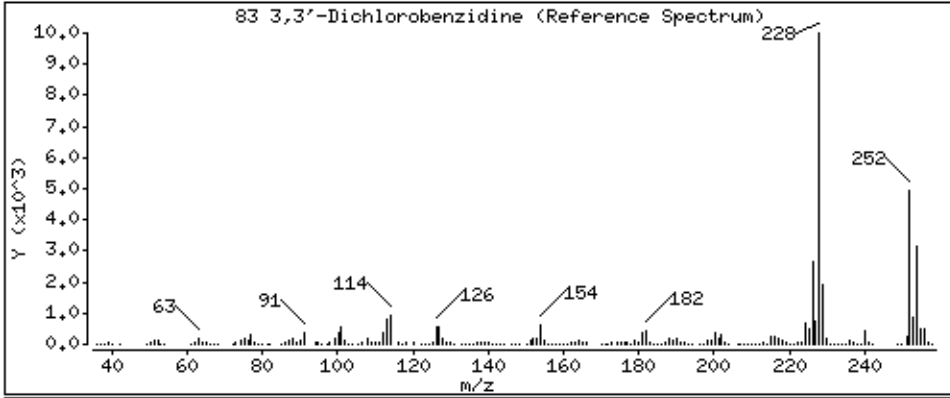
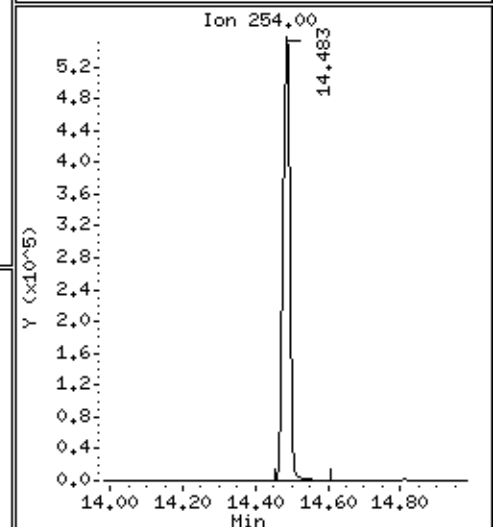
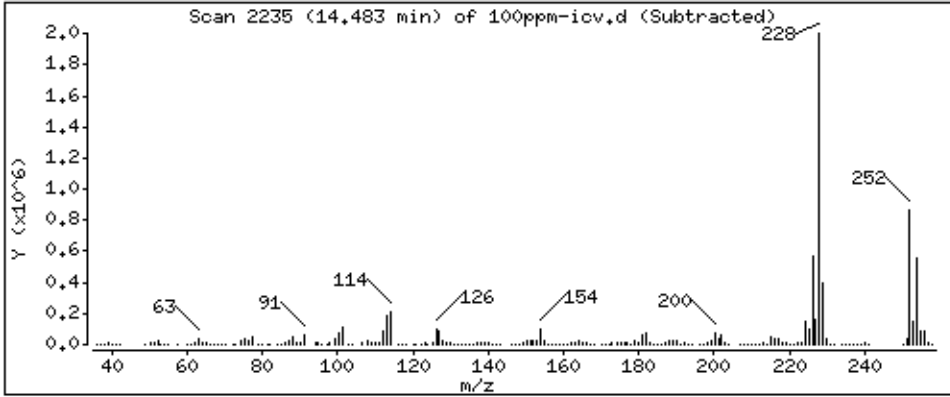
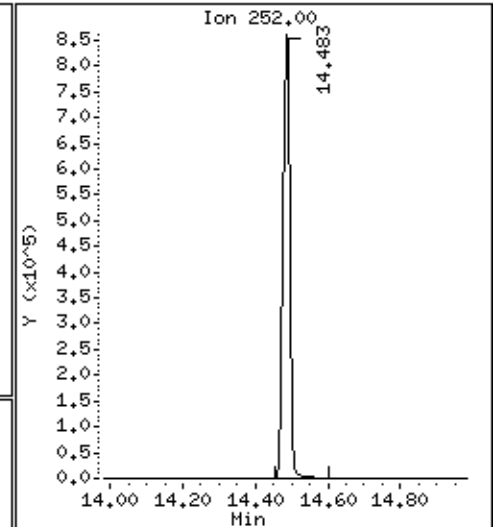
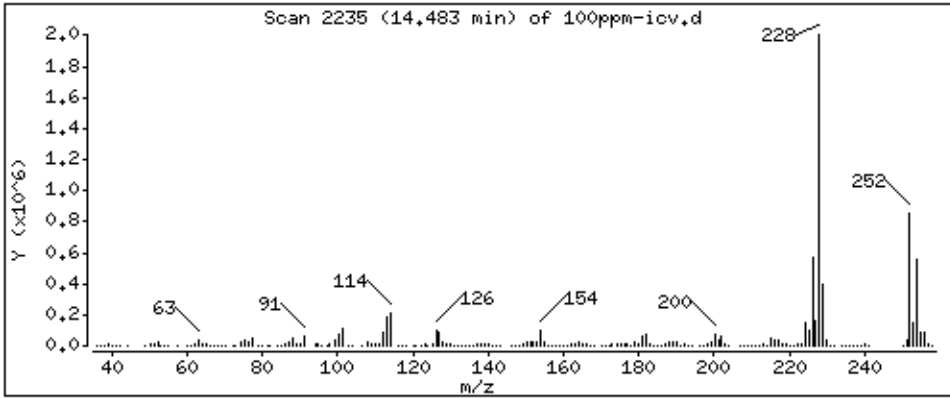
Operator: CEM

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

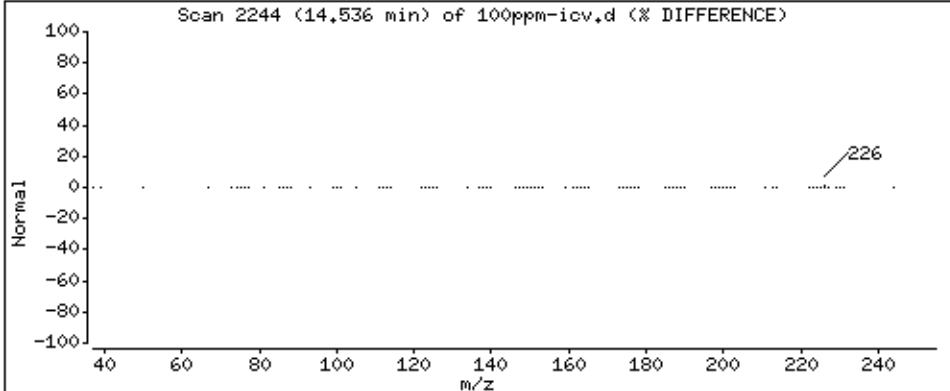
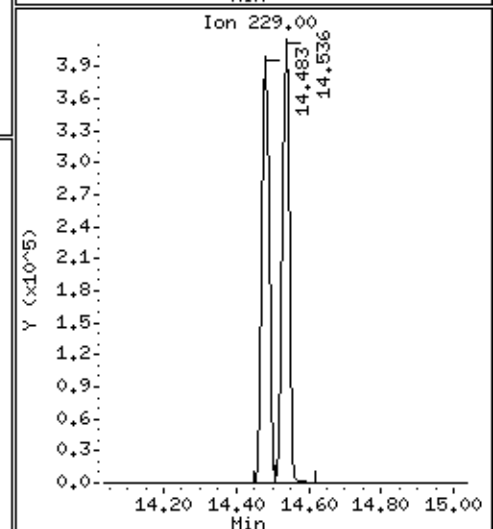
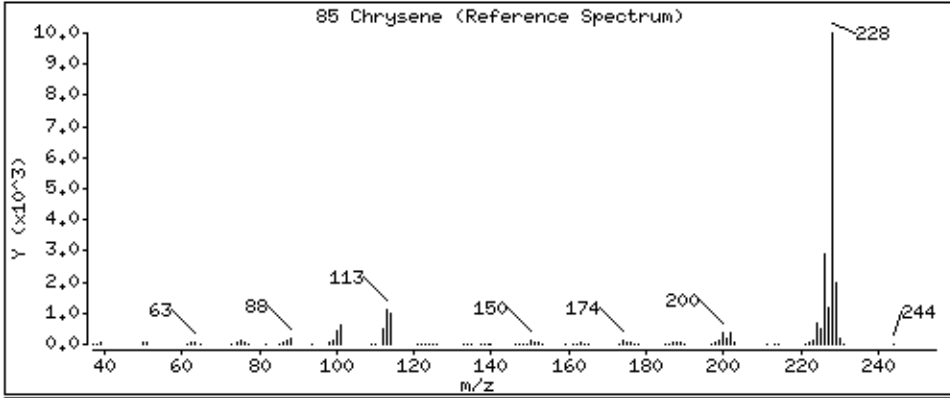
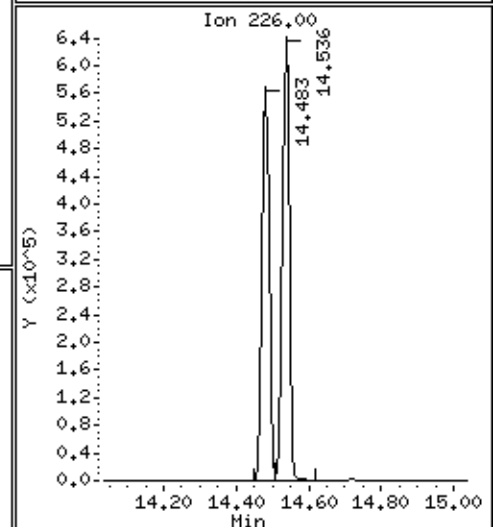
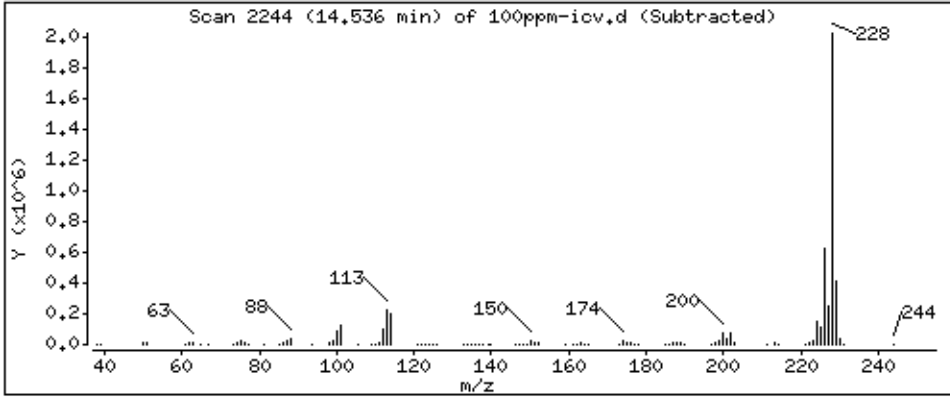
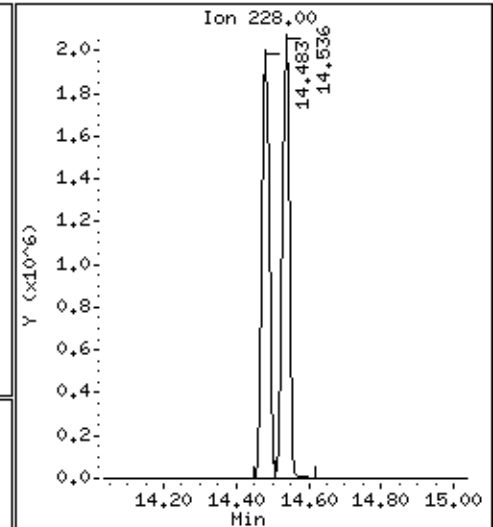
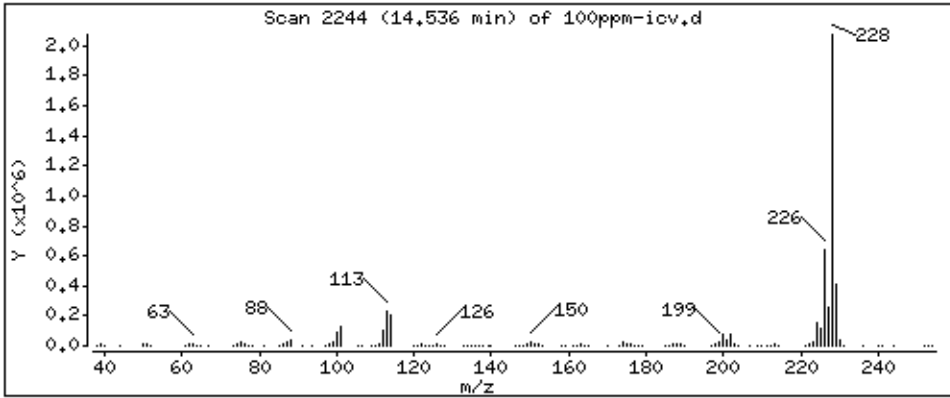
Operator: CEM

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

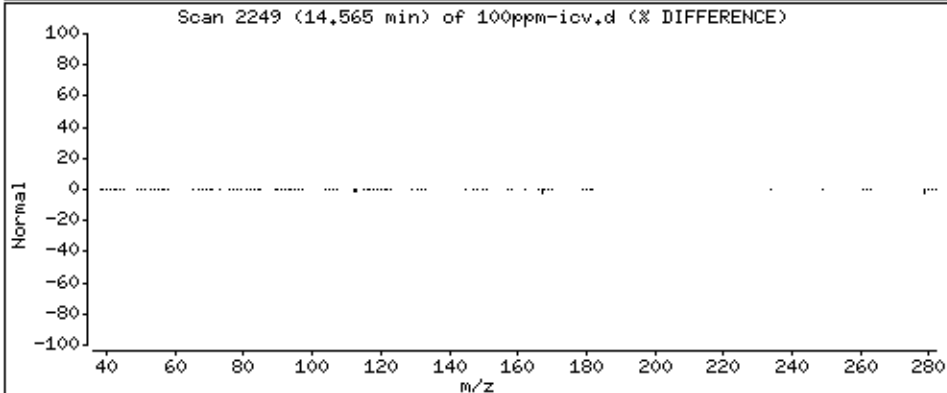
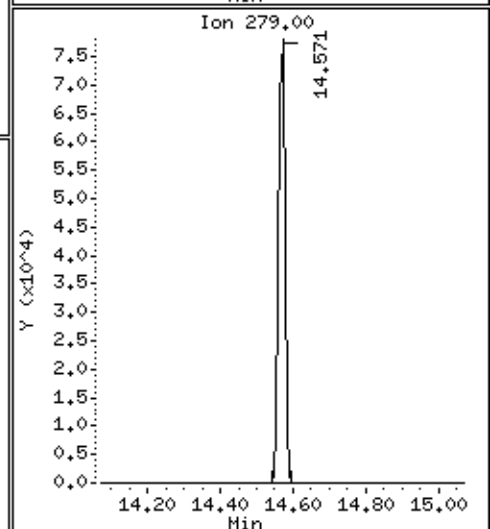
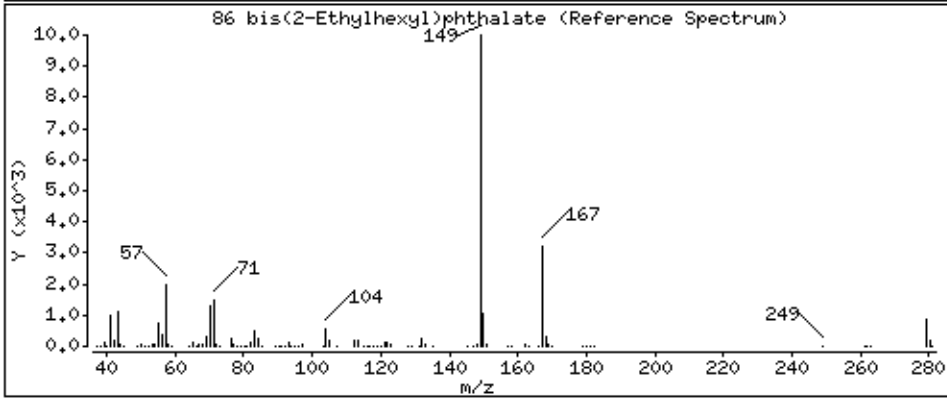
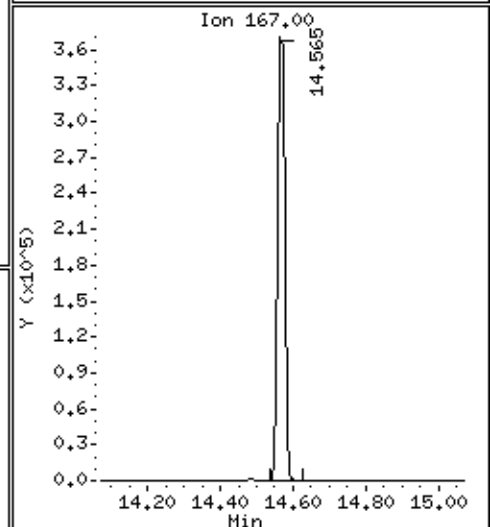
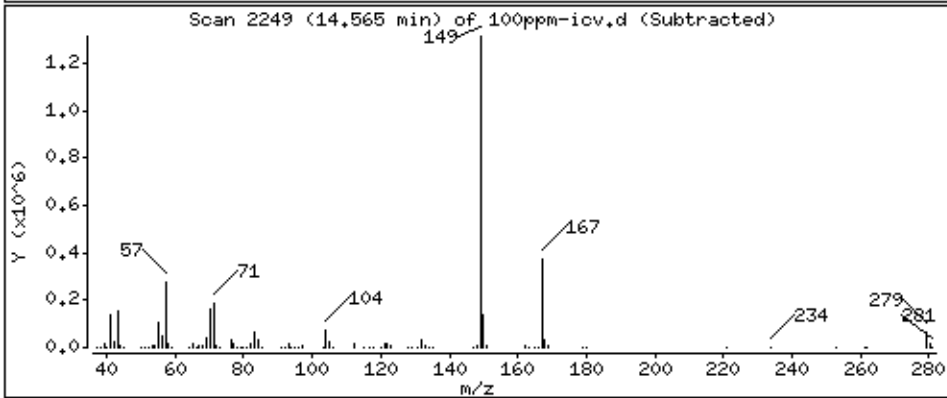
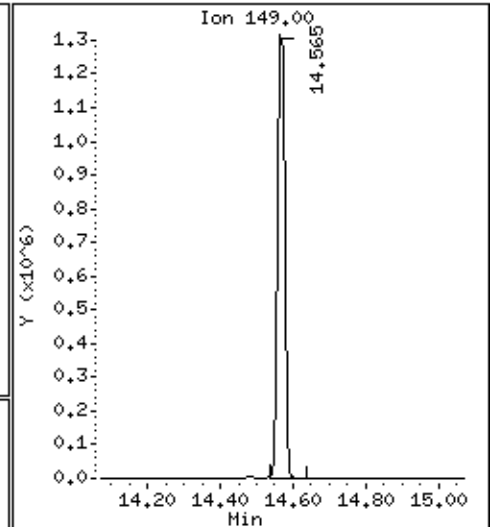
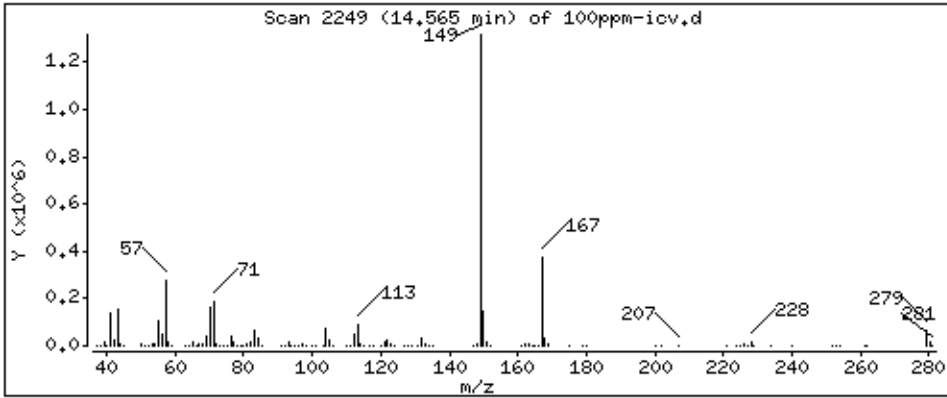
Operator: CEM

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

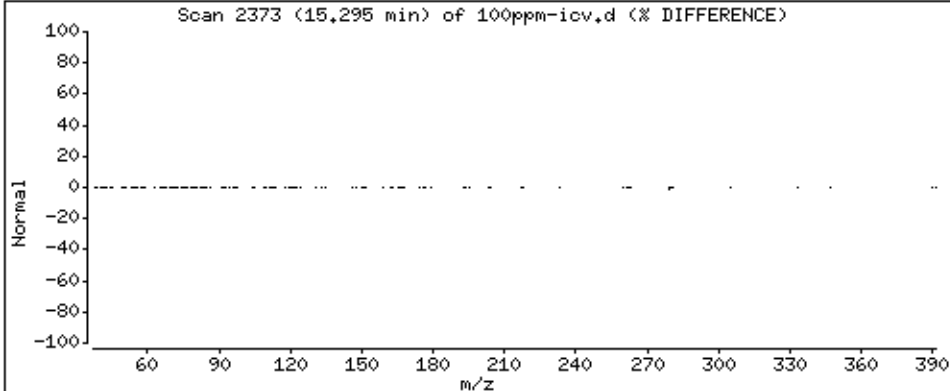
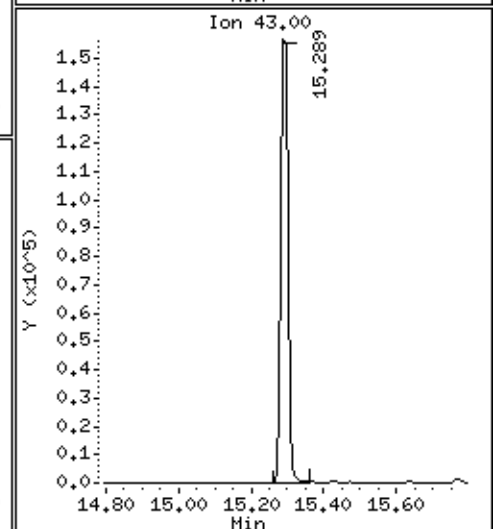
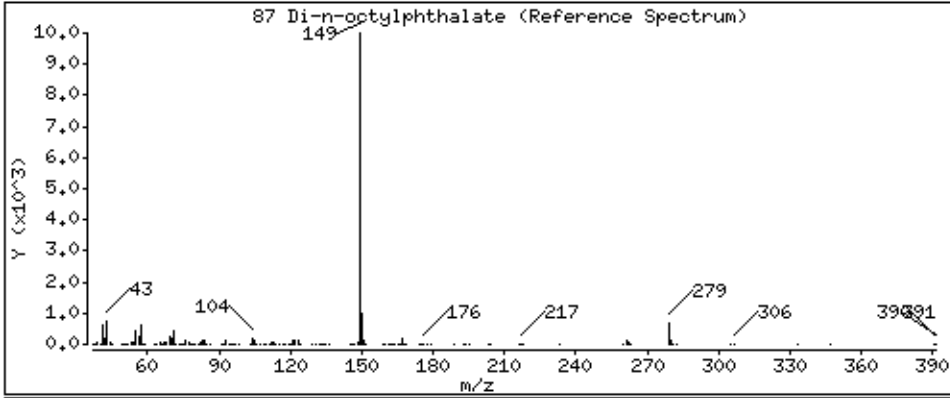
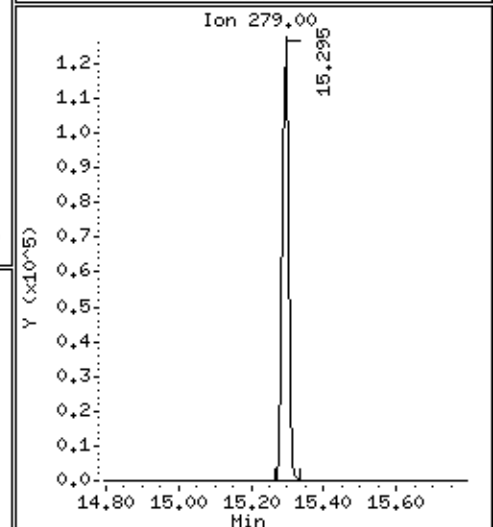
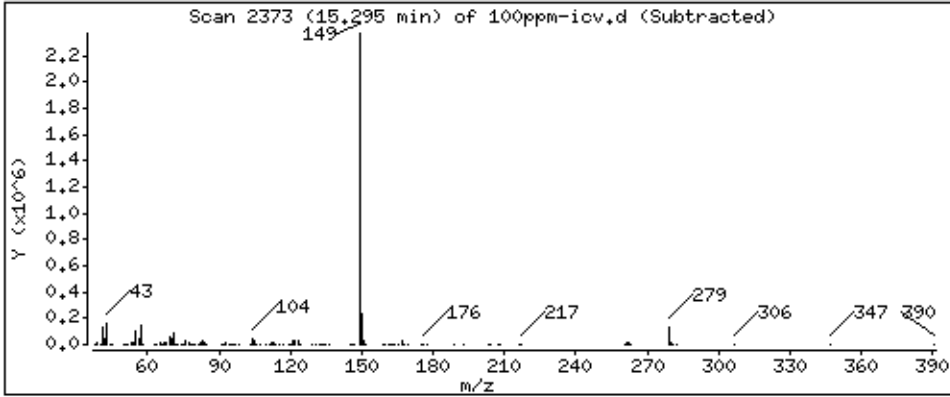
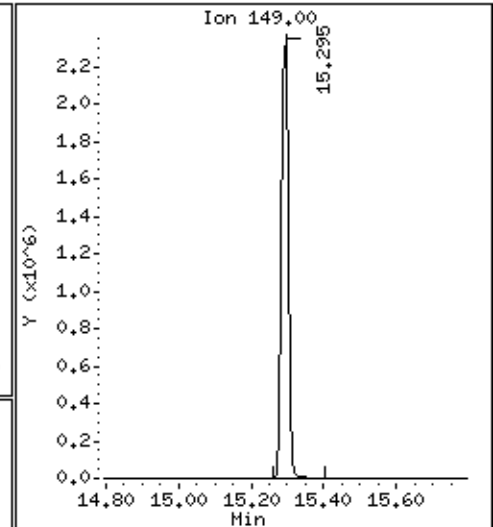
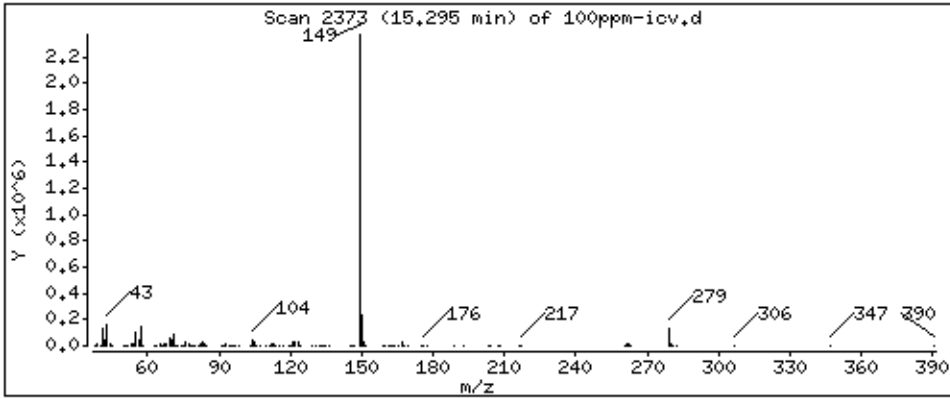
Operator: CEM

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

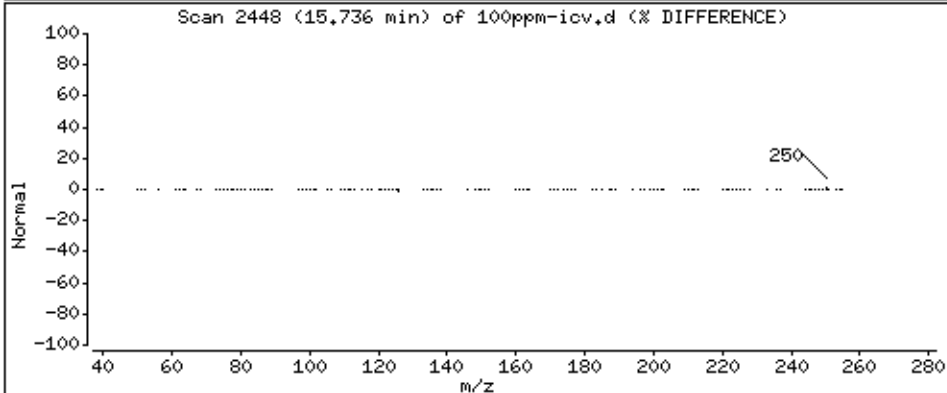
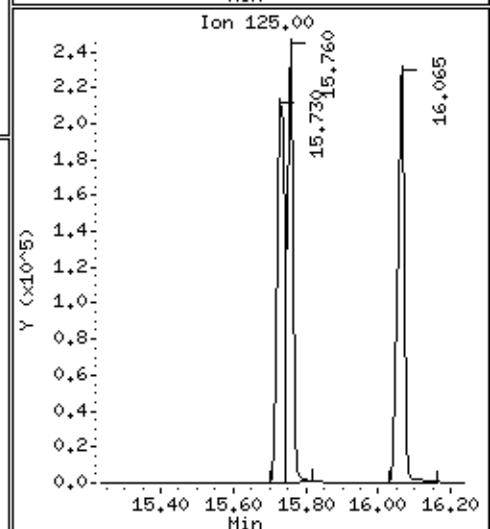
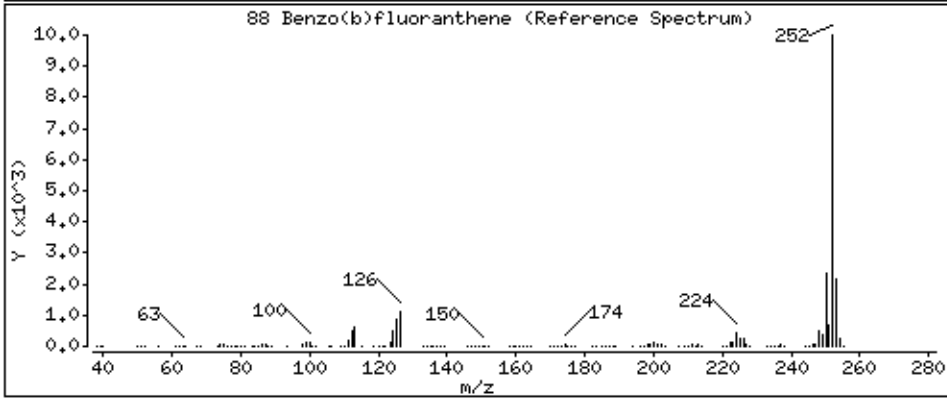
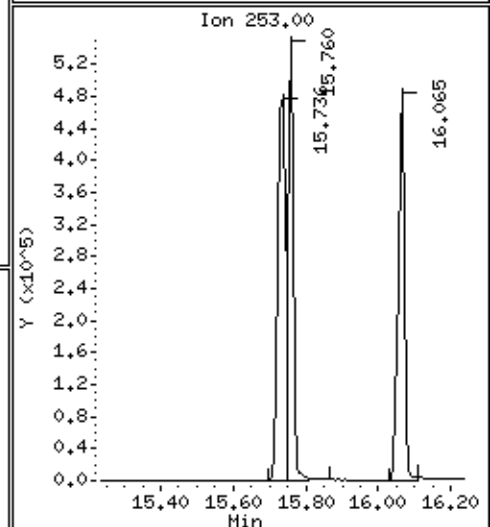
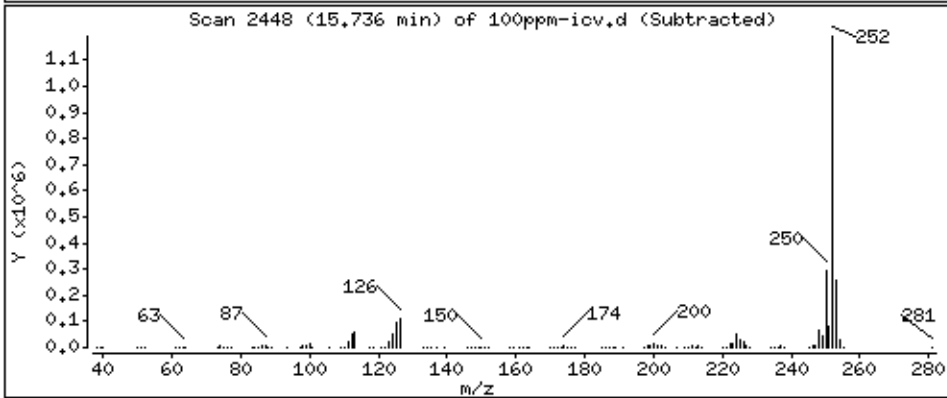
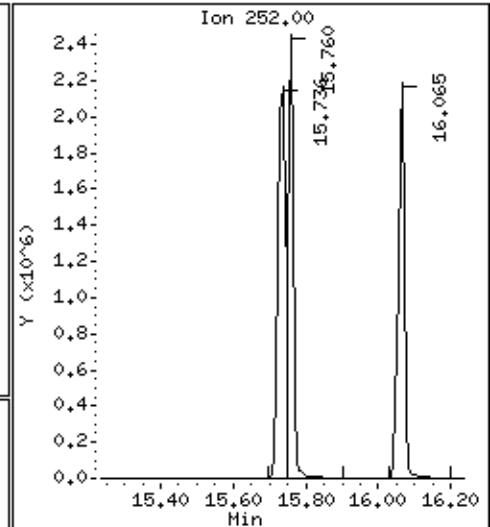
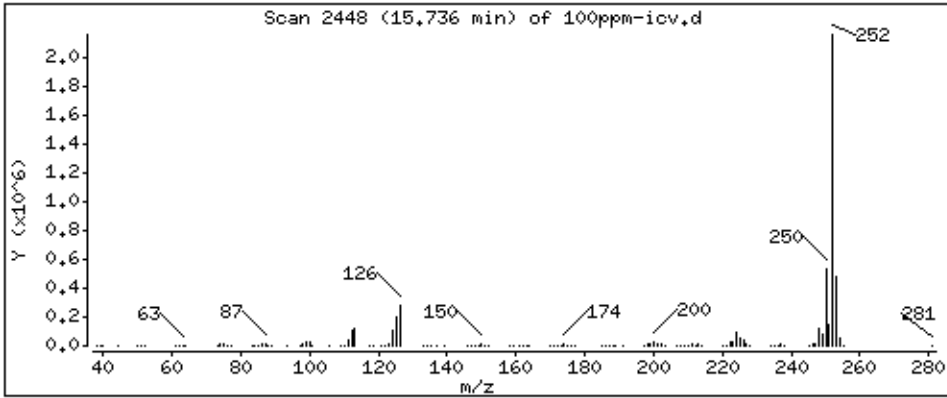
Operator: CEM

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

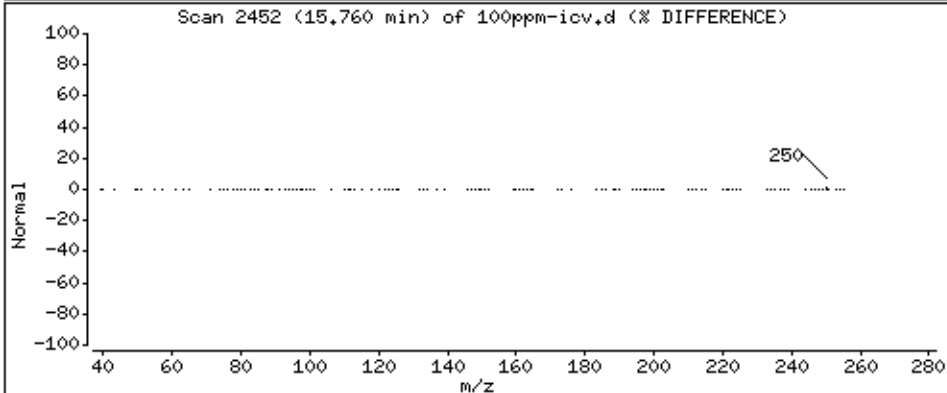
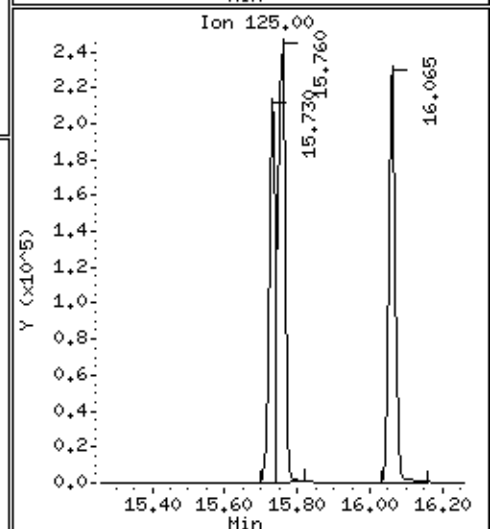
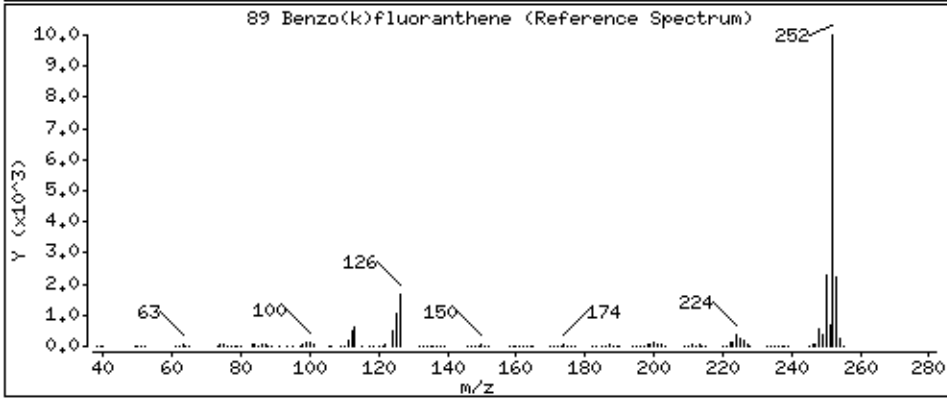
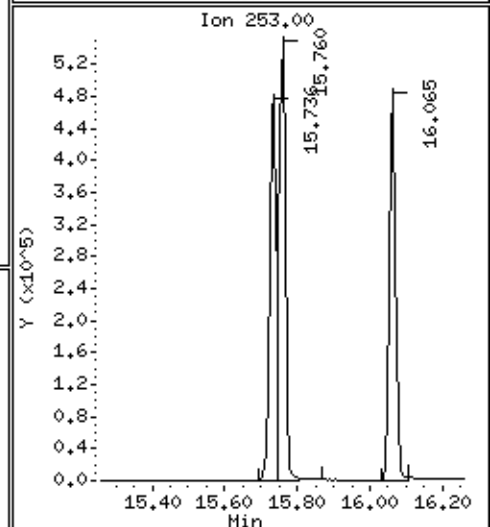
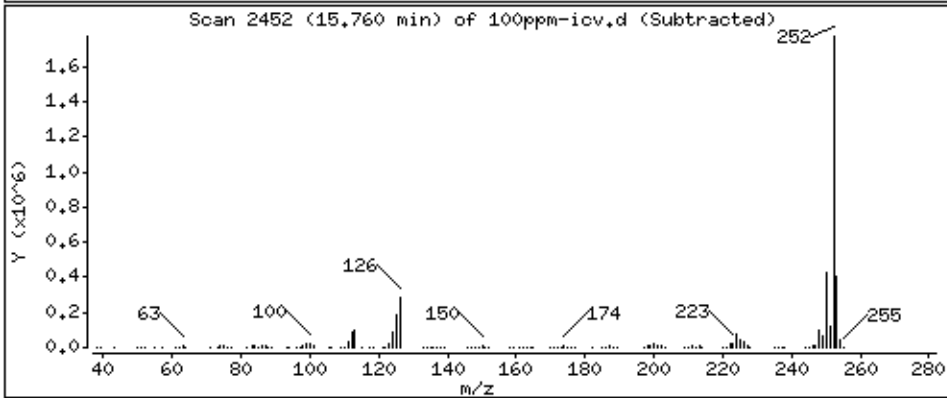
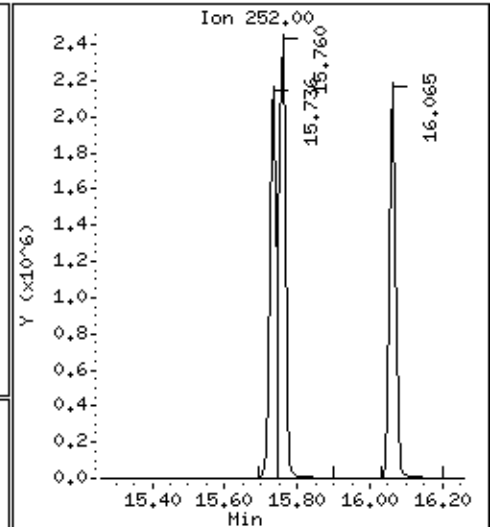
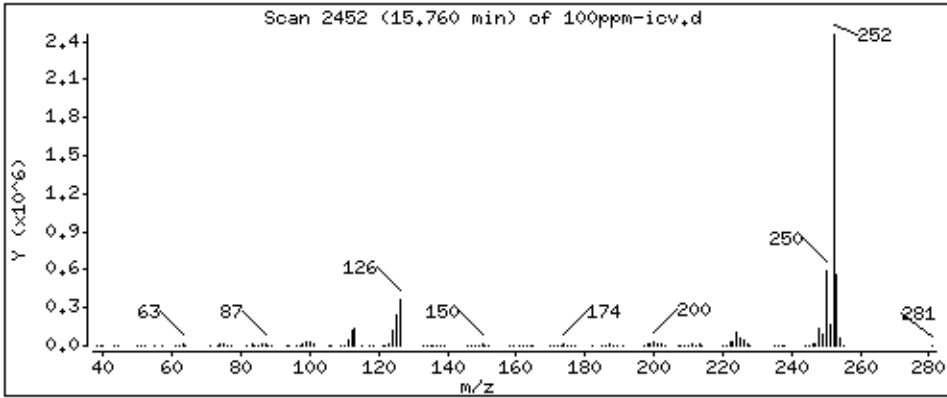
Operator: CEM

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

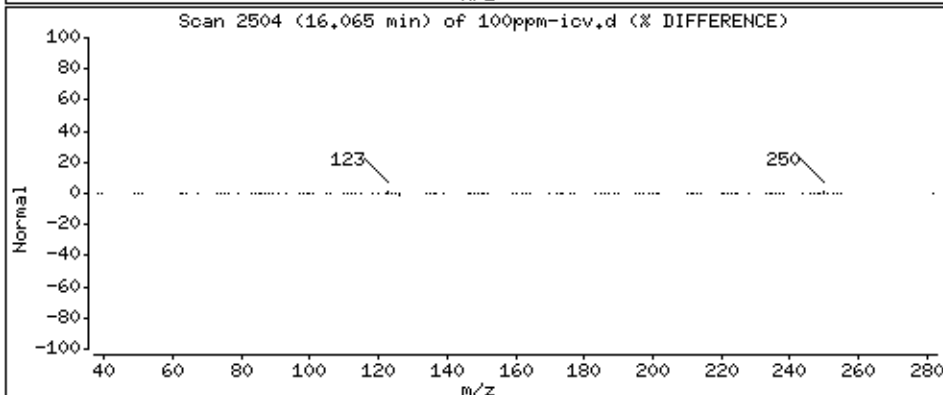
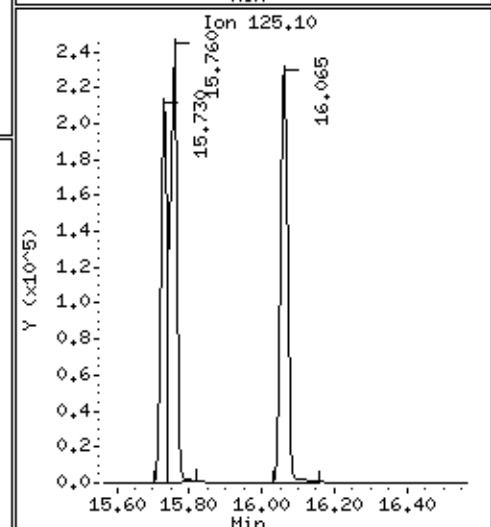
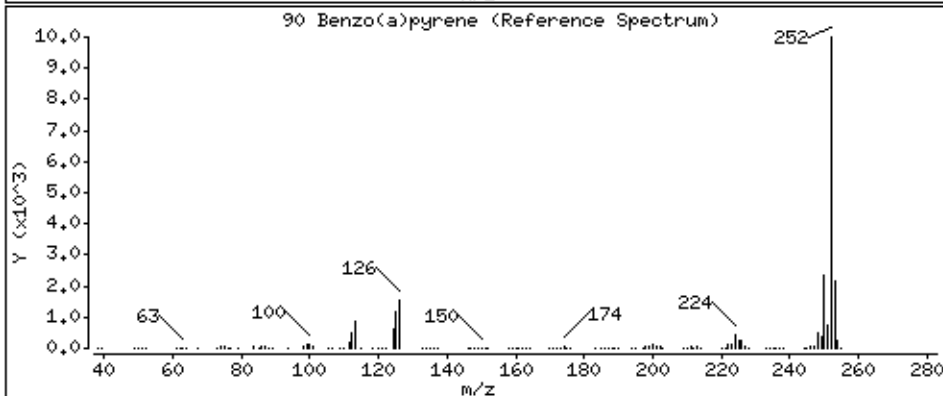
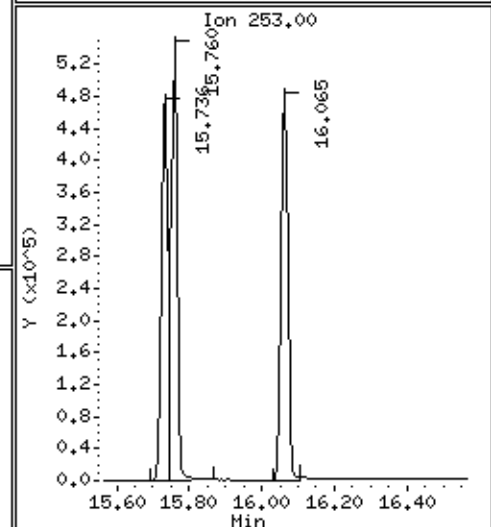
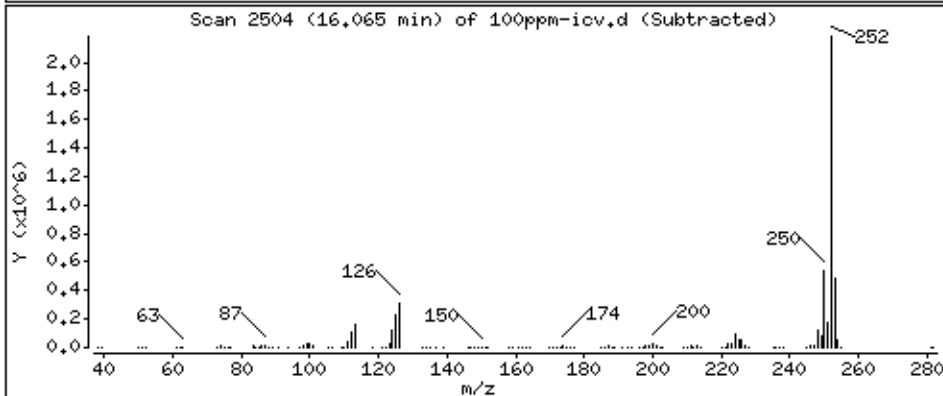
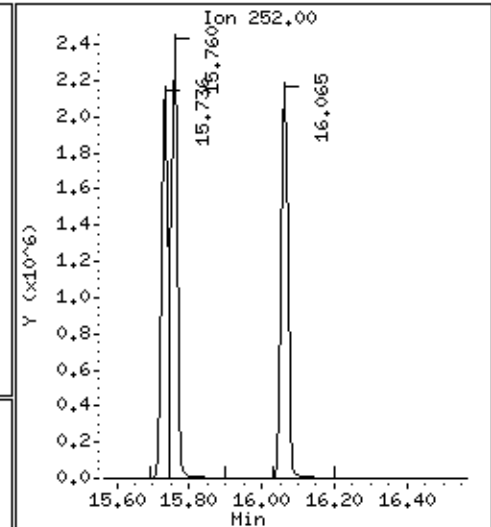
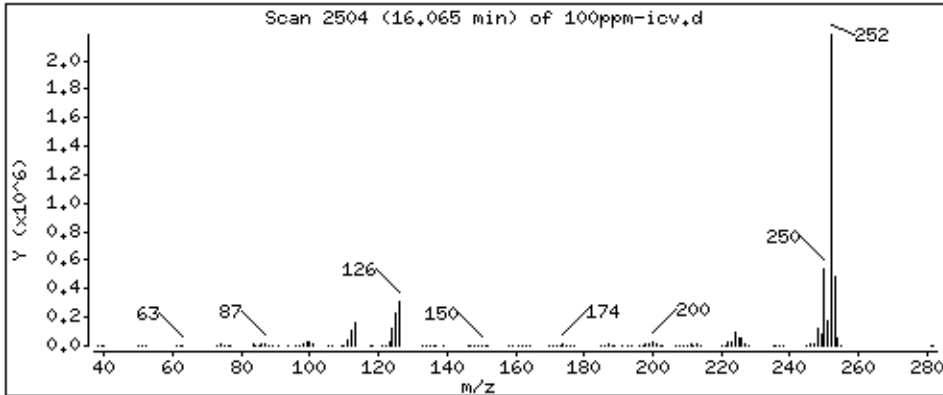
Operator: CEM

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

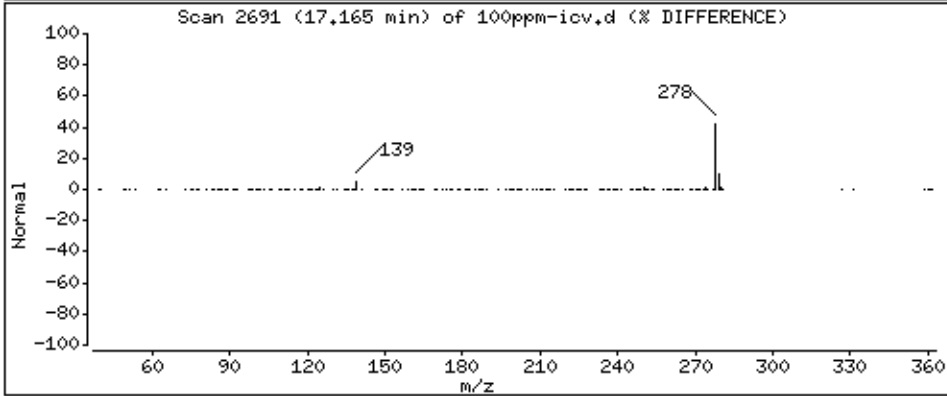
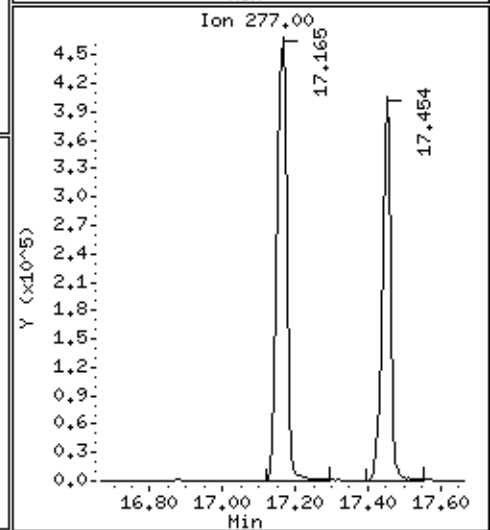
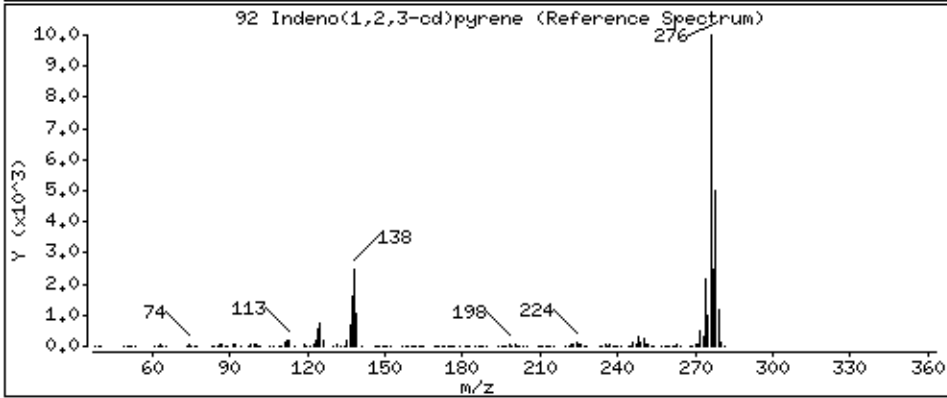
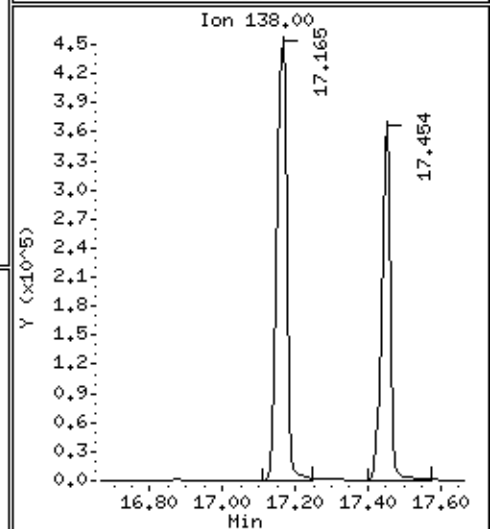
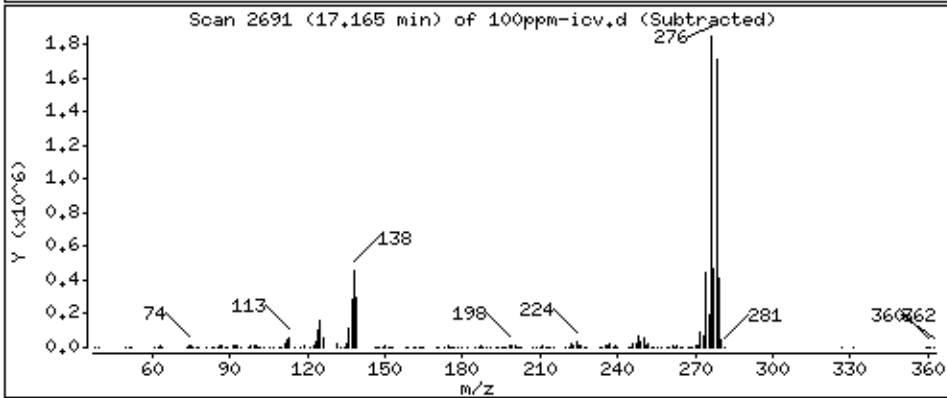
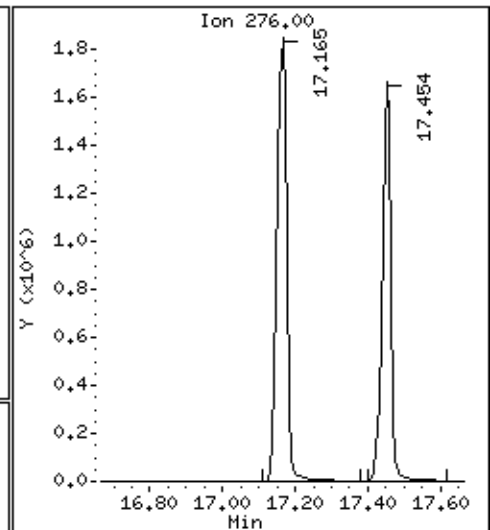
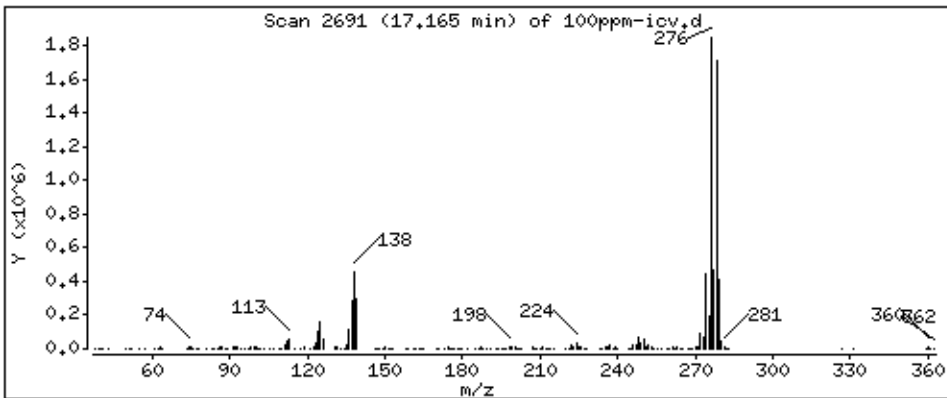
Operator: CEM

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

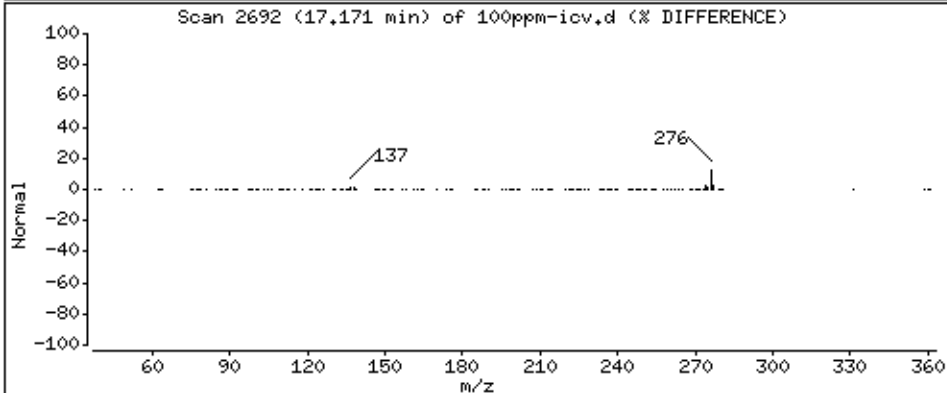
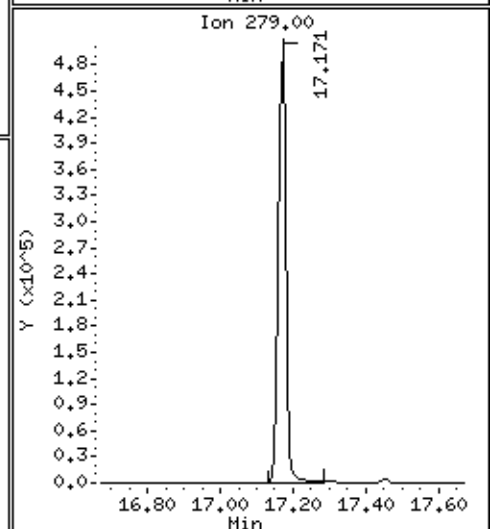
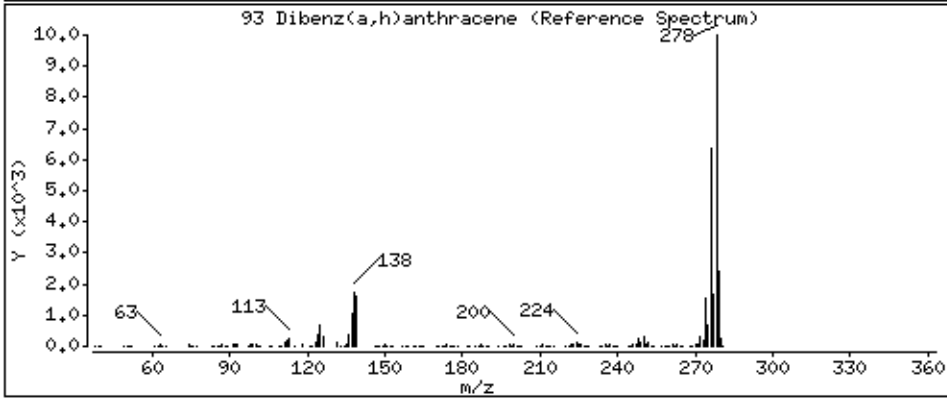
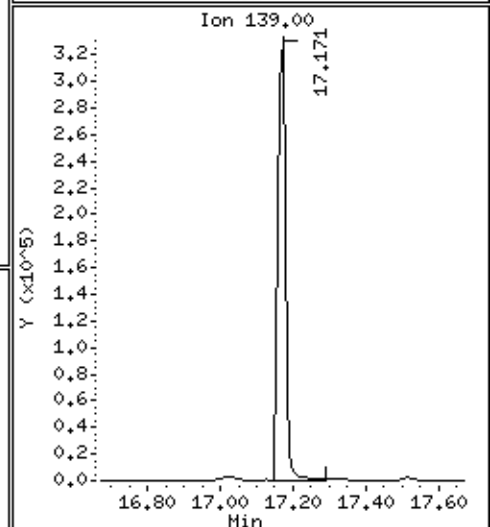
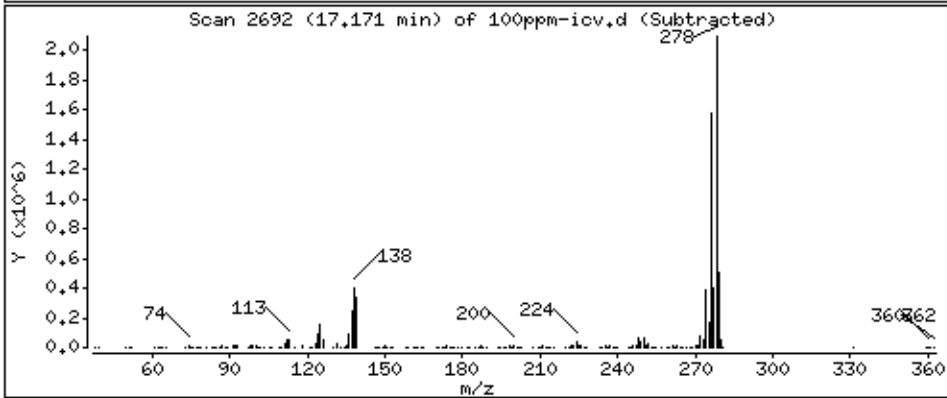
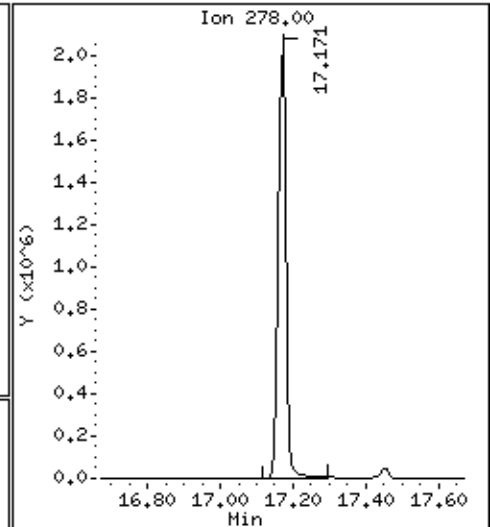
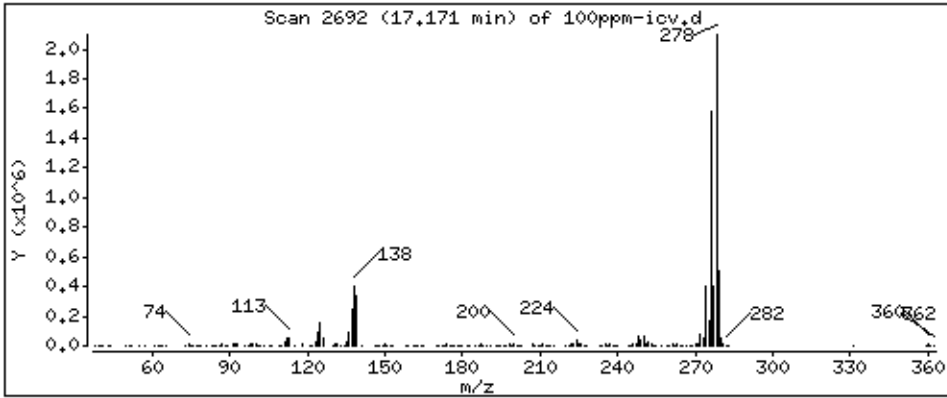
Operator: CEM

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

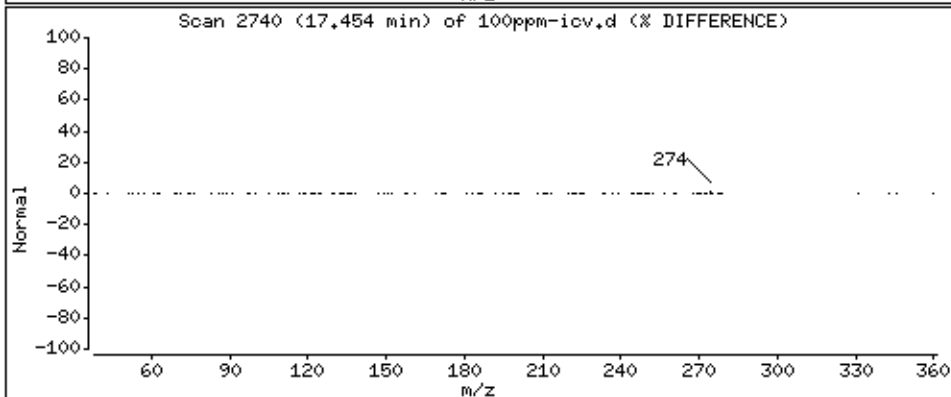
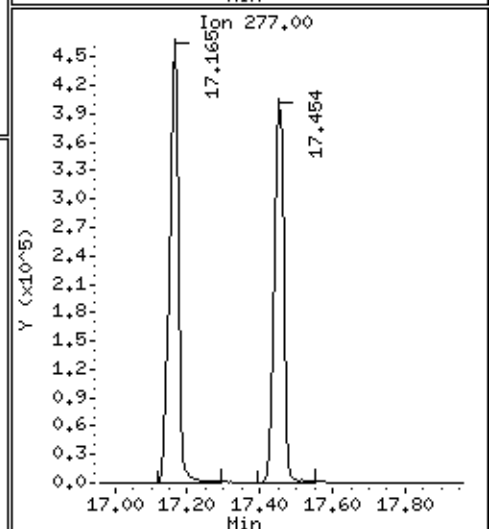
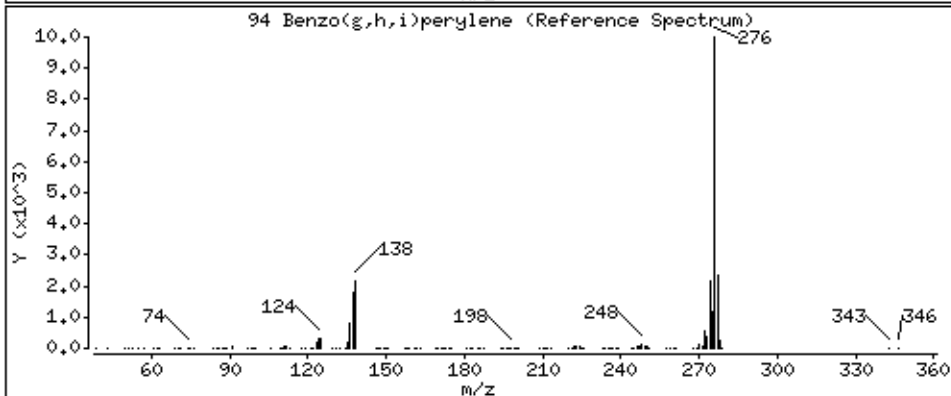
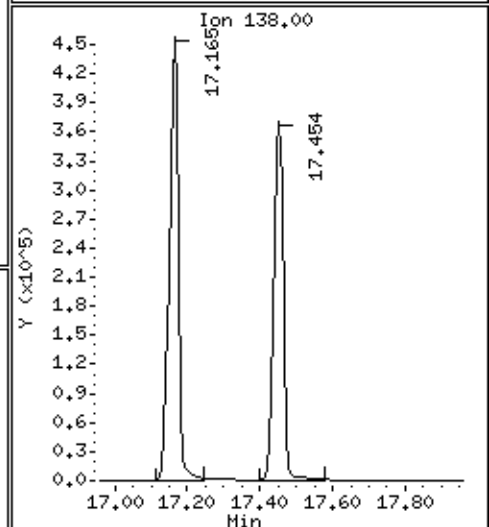
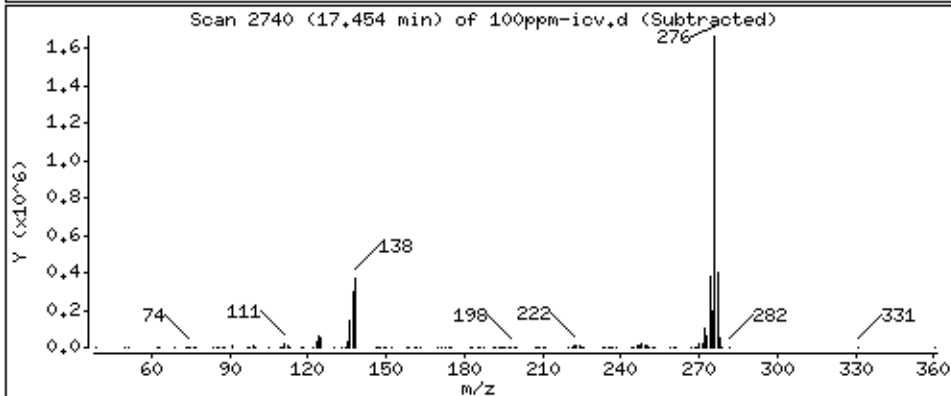
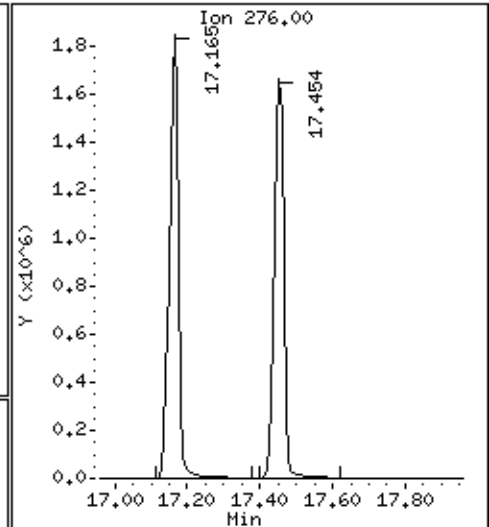
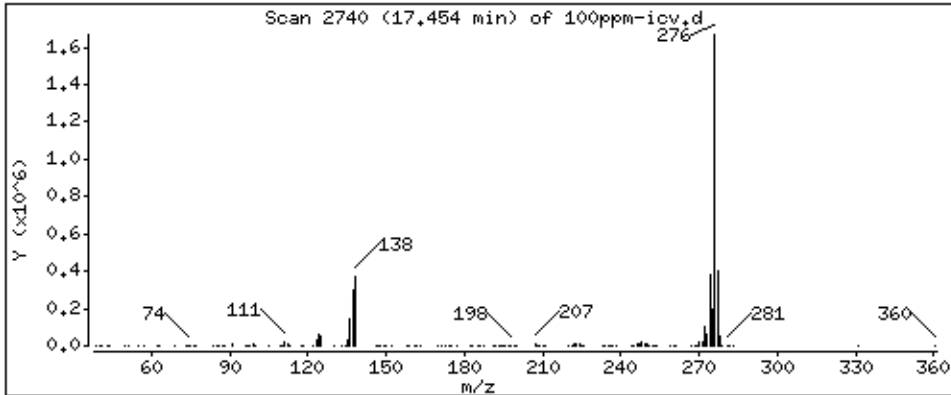
Operator: CEM

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\062314.b\100ppm-a.d
 Lab Smp Id: CCV,71288:1
 Inj Date : 23-JUN-2014 16:23
 Operator : SN
 Smp Info : ccv,71288:1
 Misc Info : 15468
 Comment :
 Method : \\192.168.50.6\chem\50MSS2.i\062314.b\8270c.m
 Meth Date : 24-Jun-2014 08:57 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

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		2.072	2.072	(0.441)	167733	100.000	99.03
2 Pyridine	79		2.077	2.077	(0.443)	455954	100.000	103.6
\$ 3 2-Fluorophenol (S)	112		3.389	3.389	(0.722)	422768	100.000	103.0
5 Benzaldehyde	77		4.236	4.236	(0.902)	183856	100.000	101.8
\$ 6 Phenol-d5 (S)	99		4.389	4.389	(0.935)	532813	100.000	102.8
7 Phenol	94		4.407	4.407	(0.939)	558013	100.000	102.2
8 bis(2-Chloroethyl)ether	93		4.460	4.460	(0.950)	404450	100.000	102.3
9 2-Chlorophenol	128		4.513	4.513	(0.961)	506790	100.000	104.1
10 1,3-Dichlorobenzene	146		4.654	4.654	(0.991)	558439	100.000	102.2
* 11 1,4-Dichlorobenzene-d4 (IS)	152		4.695	4.695	(1.000)	144320	40.0000	
12 1,4-Dichlorobenzene	146		4.713	4.713	(1.004)	556645	100.000	102.1
13 Benzyl Alcohol	108		4.901	4.901	(1.044)	306097	100.000	104.1
14 1,2-Dichlorobenzene	146		4.930	4.930	(1.050)	536772	100.000	102.0
15 2-Methylphenol	108		5.077	5.077	(1.081)	407483	100.000	100.6
16 bis(2chlorolmethylethyl) ether	45		5.083	5.083	(1.083)	489856	100.000	99.31
17 2,2'-Oxybis(1-chloropropane)	45		5.083	5.083	(1.083)	489856	100.000	99.31
18 bis(2-Chloroisopropyl)ether	45		5.083	5.083	(1.083)	489856	100.000	99.31
20 3&4-Methylphenol	108		5.277	5.277	(1.124)	452855	100.000	103.6
19 Acetophenone	105		5.230	5.230	(1.114)	634411	100.000	100.3
21 N-Nitroso-di-n-propylamine	70		5.271	5.271	(1.123)	290838	100.000	100.7
22 Hexachloroethane	117		5.313	5.313	(1.132)	200296	100.000	103.6

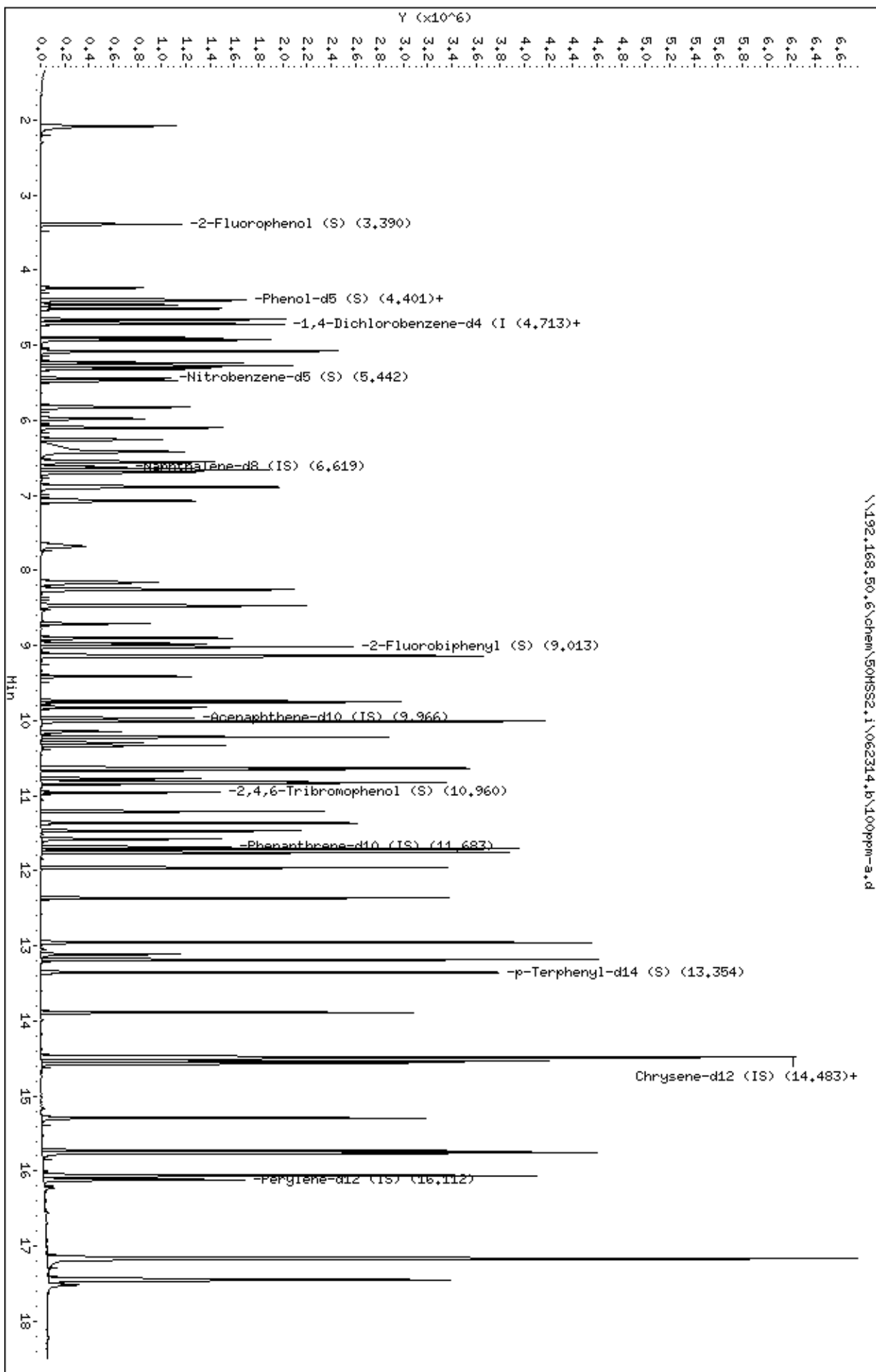
Compounds	QUANT	SIG	MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS	
								CAL-AMT	ON-COL
								(ug/ml)	(ug/ml)
\$ 23 Nitrobenzene-d5 (S)	82			5.442	5.442	(0.822)	440226	100.000	101.8
24 Nitrobenzene	77			5.471	5.471	(0.827)	433404	100.000	100.1
25 Isophorone	82			5.824	5.824	(0.880)	822786	100.000	99.90
26 2-Nitrophenol	139			5.977	5.977	(0.903)	278901	100.000	106.3
27 2,4-Dimethylphenol	122			6.095	6.095	(0.921)	430747	100.000	103.6
28 Benzoic Acid	122			6.389	6.389	(0.965)	249169	100.000	105.6
29 bis(2-Chloroethoxy)methane	93			6.254	6.254	(0.945)	517894	100.000	101.8
30 2,4-Dichlorophenol	162			6.418	6.418	(0.970)	442644	100.000	103.8
31 1,2,4-Trichlorobenzene	180			6.554	6.554	(0.990)	478943	100.000	102.8
* 32 Naphthalene-d8 (IS)	136			6.618	6.618	(1.000)	564772	40.0000	
33 Naphthalene	128			6.660	6.660	(1.006)	1488600	100.000	102.2
35 4-Chloroaniline	127			6.889	6.889	(1.041)	600693	100.000	105.3
34 2,6-Dichlorophenol	162			6.883	6.883	(1.040)	424527	100.000	102.3
36 Hexachlorobutadiene	225			7.071	7.071	(1.068)	294882	100.000	103.9
37 Caprolactam	113			7.683	7.683	(1.161)	128809	100.000	106.8
38 4-Chloro-3-methylphenol	107			8.154	8.154	(1.232)	398765	100.000	101.4
39 2-Methylnaphthalene	142			8.254	8.254	(1.247)	1021468	100.000	102.1
41 1-Methylnaphthalene	142			8.465	8.465	(1.279)	1001969	100.000	101.8
43 Hexachlorocyclopentadiene	237			8.706	8.706	(0.874)	199131	100.000	86.04
44 2,4,6-Trichlorophenol	196			8.901	8.901	(0.893)	335333	100.000	105.8
45 2,4,5-Trichlorophenol	196			8.977	8.977	(0.901)	350192	100.000	104.0
\$ 46 2-Fluorobiphenyl (S)	172			9.012	9.012	(0.904)	1116608	100.000	103.5
48 Biphenyl (Diphenyl)	154			9.142	9.142	(0.917)	1227363	100.000	102.9
47 2-Chloronaphthalene	162			9.130	9.130	(0.916)	917646	100.000	103.1
49 2-Nitroaniline	65			9.412	9.412	(0.945)	227988	100.000	105.0
50 Dimethylphthalate	163			9.736	9.736	(0.977)	1067957	100.000	103.0
51 Acenaphthylene	152			9.753	9.753	(0.979)	1582782	100.000	103.7
52 2,6-Dinitrotoluene	165			9.824	9.824	(0.986)	240700	100.000	107.2
54 3-Nitroaniline	138			10.006	10.006	(1.004)	271035	100.000	110.7
* 53 Acenaphthene-d10 (IS)	164			9.965	9.965	(1.000)	319796	40.0000	
55 Acenaphthene	153			10.012	10.012	(1.005)	974813	100.000	102.7
56 2,4-Dinitrophenol	184			10.148	10.148	(1.018)	137355	100.000	94.43
58 4-Nitrophenol	109			10.295	10.295	(1.033)	126883	100.000	104.5
57 Dibenzofuran	168			10.218	10.218	(1.025)	1371372	100.000	102.5
59 2,4-Dinitrotoluene	165			10.330	10.330	(1.037)	336625	100.000	108.3
60 Diethylphthalate	149			10.630	10.630	(1.067)	1031713	100.000	102.1
61 Fluorene	166			10.642	10.642	(1.068)	1087915	100.000	102.1
62 4-Chlorophenyl-phenylether	204			10.659	10.659	(1.070)	536137	100.000	102.1
63 4-Nitroaniline	138			10.771	10.771	(1.081)	283600	100.000	110.6
64 4,6-Dinitro-2-methylphenol	198			10.812	10.812	(0.925)	205905	100.000	101.8
65 N-Nitrosodiphenylamine	169			10.824	10.824	(0.926)	794714	100.000	101.6
66 1,2-Diphenylhydrazine	77			10.842	10.842	(0.928)	1018264	100.000	101.8
\$ 67 2,4,6-Tribromophenol (S)	330			10.959	10.959	(0.938)	242596	100.000	106.8
68 4-Bromophenyl-phenylether	248			11.206	11.206	(0.959)	370912	100.000	102.6
69 Hexachlorobenzene	284			11.365	11.365	(0.973)	438194	100.000	101.5
70 Atrazine	200			11.465	11.465	(0.981)	289876	100.000	99.54
71 Pentachlorophenol	266			11.577	11.577	(0.991)	232367	100.000	91.69
* 72 Phenanthrene-d10 (IS)	188			11.683	11.683	(1.000)	612485	40.0000	
73 Phenanthrene	178			11.706	11.706	(1.002)	1664268	100.000	101.3
74 Anthracene	178			11.753	11.753	(1.006)	1679704	100.000	101.6
75 Carbazole	167			11.953	11.953	(1.023)	1602236	100.000	102.8
76 Di-n-butylphthalate	149			12.365	12.365	(1.058)	1817879	100.000	103.8
77 Fluoranthene	202			12.953	12.953	(1.109)	1950789	100.000	104.2
78 Benzidine	184			13.112	13.112	(1.122)	488246	100.000	113.5

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)	2017885	100.000	103.0
\$ 80 p-Terphenyl-d14 (S)	244	13.353	13.353	(1.143)	1292545	100.000	102.8
81 Butylbenzylphthalate	149	13.883	13.883	(0.957)	860628	100.000	105.0
82 Benzo(a)anthracene	228	14.483	14.483	(0.999)	2061724	100.000	104.0
83 3,3'-Dichlorobenzidine	252	14.483	14.483	(0.999)	692167	100.000	104.0
* 84 Chrysene-d12 (IS)	240	14.500	14.500	(1.000)	775436	40.0000	
85 Chrysene	228	14.535	14.535	(1.002)	1931192	100.000	103.7
86 bis(2-Ethylhexyl)phthalate	149	14.565	14.565	(1.004)	1231407	100.000	103.9
87 Di-n-octylphthalate	149	15.288	15.288	(0.949)	2143978	100.000	105.8
88 Benzo(b)fluoranthene	252	15.730	15.730	(0.976)	2106675	100.000	95.75
89 Benzo(k)fluoranthene	252	15.759	15.759	(0.978)	2531051	100.000	110.4
90 Benzo(a)pyrene	252	16.059	16.059	(0.997)	2090861	100.000	105.0
* 91 Perylene-d12 (IS)	264	16.112	16.112	(1.000)	727217	40.0000	
92 Indeno(1,2,3-cd)pyrene	276	17.159	17.159	(1.065)	2752915	100.000	106.0
93 Dibenz(a,h)anthracene	278	17.165	17.165	(1.065)	2230745	100.000	106.9
94 Benzo(g,h,i)perylene	276	17.453	17.453	(1.083)	2315695	100.000	105.9

Data File: \\192.168.50.6\chem\50HSS2.1\062314.b\100ppm-a.d
Date: 23-JUN-2014 16:23
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\062314.b\100ppm-a.d



Pace Analytical Services, Inc.

Semivolatile REPORT SW-846 Method 8270/EPA 625

Data file : \\192.168.50.6\chem\50MSS2.i\062514.b\100ppm-a.d
 Lab Smp Id: CCV,71288:1
 Inj Date : 25-JUN-2014 12:11
 Operator : SN
 Smp Info : ccv,71288:1
 Misc Info : 15468
 Comment :
 Method : \\192.168.50.6\chem\50MSS2.i\062514.b\8270c.m
 Meth Date : 26-Jun-2014 10:12 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

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	RESPONSE		
1 N-Nitrosodimethylamine	42		2.072	2.072	(0.441)	156018	100.000	102.4	
2 Pyridine	79		2.077	2.077	(0.443)	422827	100.000	106.8	
\$ 3 2-Fluorophenol (S)	112		3.389	3.389	(0.722)	387621	100.000	104.9	
5 Benzaldehyde	77		4.236	4.236	(0.902)	209328	100.000	127.0	
\$ 6 Phenol-d5 (S)	99		4.395	4.395	(0.936)	498868	100.000	106.9	
7 Phenol	94		4.407	4.407	(0.939)	520283	100.000	105.9	
8 bis(2-Chloroethyl)ether	93		4.460	4.460	(0.950)	369329	100.000	103.8	
9 2-Chlorophenol	128		4.513	4.513	(0.961)	463623	100.000	105.8	
10 1,3-Dichlorobenzene	146		4.654	4.654	(0.991)	501843	100.000	102.0	
* 11 1,4-Dichlorobenzene-d4 (IS)	152		4.695	4.695	(1.000)	129883	40.0000		
12 1,4-Dichlorobenzene	146		4.713	4.713	(1.004)	498324	100.000	101.5	
13 Benzyl Alcohol	108		4.901	4.901	(1.044)	299857	100.000	113.3	
14 1,2-Dichlorobenzene	146		4.930	4.930	(1.050)	484015	100.000	102.2	
15 2-Methylphenol	108		5.077	5.083	(1.081)	378266	100.000	103.7	
16 bis(2chlorolmethylethyl) ether	45		5.083	5.083	(1.083)	448010	100.000	100.9	
17 2,2'-Oxybis(1-chloropropane)	45		5.083	5.083	(1.083)	448010	100.000	100.9	
18 bis(2-Chloroisopropyl)ether	45		5.083	5.083	(1.083)	448010	100.000	100.9	
20 3&4-Methylphenol	108		5.277	5.283	(1.124)	420548	100.000	106.9	
19 Acetophenone	105		5.230	5.230	(1.114)	591298	100.000	103.9	
21 N-Nitroso-di-n-propylamine	70		5.271	5.271	(1.123)	275490	100.000	106.0	
22 Hexachloroethane	117		5.313	5.313	(1.132)	177624	100.000	102.0	

Compounds	QUANT	SIG						AMOUNTS	
			MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/ml)	ON-COL (ug/ml)
\$ 23 Nitrobenzene-d5 (S)	82		5.442	5.442	(0.822)	412651	100.000	103.8	
24 Nitrobenzene	77		5.471	5.471	(0.827)	405532	100.000	101.9	
25 Isophorone	82		5.824	5.824	(0.880)	787398	100.000	104.0	
26 2-Nitrophenol	139		5.977	5.977	(0.903)	261323	100.000	108.3	
27 2,4-Dimethylphenol	122		6.101	6.101	(0.922)	386548	100.000	101.2	
28 Benzoic Acid	122		6.389	6.395	(0.965)	306792	100.000	141.4	
29 bis(2-Chloroethoxy)methane	93		6.254	6.254	(0.945)	481640	100.000	103.0	
30 2,4-Dichlorophenol	162		6.418	6.418	(0.970)	416891	100.000	106.3	
31 1,2,4-Trichlorobenzene	180		6.554	6.554	(0.990)	434147	100.000	101.4	
* 32 Naphthalene-d8 (IS)	136		6.618	6.618	(1.000)	519213	40.0000		
33 Naphthalene	128		6.659	6.660	(1.006)	1367591	100.000	102.2	
35 4-Chloroaniline	127		6.889	6.889	(1.041)	572817	100.000	109.2	
34 2,6-Dichlorophenol	162		6.883	6.883	(1.040)	400293	100.000	104.9	
36 Hexachlorobutadiene	225		7.071	7.071	(1.068)	262235	100.000	100.6	
37 Caprolactam	113		7.683	7.701	(1.161)	132334	100.000	119.3	
38 4-Chloro-3-methylphenol	107		8.159	8.159	(1.233)	393976	100.000	109.0	
39 2-Methylnaphthalene	142		8.254	8.254	(1.247)	947716	100.000	103.0	
41 1-Methylnaphthalene	142		8.471	8.465	(1.280)	939687	100.000	103.9	
43 Hexachlorocyclopentadiene	237		8.706	8.706	(0.874)	175763	100.000	79.17	
44 2,4,6-Trichlorophenol	196		8.901	8.901	(0.893)	329494	100.000	107.0	
45 2,4,5-Trichlorophenol	196		8.977	8.983	(0.901)	345243	100.000	105.5	
\$ 46 2-Fluorobiphenyl (S)	172		9.012	9.012	(0.904)	1058002	100.000	100.9	
48 Biphenyl (Diphenyl)	154		9.142	9.142	(0.917)	1180922	100.000	101.9	
47 2-Chloronaphthalene	162		9.130	9.130	(0.916)	870669	100.000	100.7	
49 2-Nitroaniline	65		9.412	9.412	(0.945)	230164	100.000	109.0	
50 Dimethylphthalate	163		9.736	9.736	(0.977)	1048124	100.000	104.0	
51 Acenaphthylene	152		9.753	9.753	(0.979)	1555234	100.000	104.8	
52 2,6-Dinitrotoluene	165		9.830	9.824	(0.986)	240116	100.000	110.1	
54 3-Nitroaniline	138		10.006	10.006	(1.004)	276597	100.000	116.2	
* 53 Acenaphthene-d10 (IS)	164		9.965	9.965	(1.000)	310783	40.0000		
55 Acenaphthene	153		10.012	10.006	(1.005)	948149	100.000	102.8	
56 2,4-Dinitrophenol	184		10.148	10.148	(1.018)	145409	100.000	102.1	
58 4-Nitrophenol	109		10.300	10.300	(1.034)	135533	100.000	114.8	
57 Dibenzofuran	168		10.218	10.218	(1.025)	1347144	100.000	103.6	
59 2,4-Dinitrotoluene	165		10.336	10.330	(1.037)	341412	100.000	113.0	
60 Diethylphthalate	149		10.630	10.624	(1.067)	1019899	100.000	103.8	
61 Fluorene	166		10.642	10.642	(1.068)	1082727	100.000	104.6	
62 4-Chlorophenyl-phenylether	204		10.659	10.659	(1.070)	518497	100.000	101.6	
63 4-Nitroaniline	138		10.771	10.771	(1.081)	296046	100.000	118.8	
64 4,6-Dinitro-2-methylphenol	198		10.812	10.812	(0.925)	210618	100.000	104.3(Q)	
65 N-Nitrosodiphenylamine	169		10.824	10.824	(0.926)	789135	100.000	101.1	
66 1,2-Diphenylhydrazine	77		10.842	10.842	(0.928)	1002416	100.000	100.4	
\$ 67 2,4,6-Tribromophenol (S)	330		10.959	10.959	(0.938)	237192	100.000	104.7	
68 4-Bromophenyl-phenylether	248		11.212	11.206	(0.960)	364562	100.000	101.1	
69 Hexachlorobenzene	284		11.365	11.365	(0.973)	437453	100.000	101.5	
70 Atrazine	200		11.465	11.465	(0.981)	273446	100.000	94.08	
71 Pentachlorophenol	266		11.577	11.577	(0.991)	233798	100.000	92.40	
* 72 Phenanthrene-d10 (IS)	188		11.683	11.683	(1.000)	611303	40.0000		
73 Phenanthrene	178		11.706	11.706	(1.002)	1674730	100.000	102.1	
74 Anthracene	178		11.759	11.753	(1.007)	1697901	100.000	102.9	
75 Carbazole	167		11.959	11.959	(1.024)	1642102	100.000	105.6	
76 Di-n-butylphthalate	149		12.365	12.365	(1.058)	1787098	100.000	102.2	
77 Fluoranthene	202		12.953	12.953	(1.109)	1979733	100.000	106.0	
78 Benzidine	184		13.112	13.112	(1.122)	529276	100.000	123.2	

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS	
						CAL-AMT (ug/ml)	ON-COL (ug/ml)
79 Pyrene	202	13.183	13.177	(1.128)	2093975	100.000	107.1
\$ 80 p-Terphenyl-d14 (S)	244	13.353	13.347	(1.143)	1326276	100.000	105.6
81 Butylbenzylphthalate	149	13.883	13.883	(0.957)	866000	100.000	101.8
82 Benzo(a)anthracene	228	14.483	14.477	(0.998)	2171139	100.000	105.5
83 3,3'-Dichlorobenzidine	252	14.483	14.483	(0.998)	763688	100.000	110.6
* 84 Chrysene-d12 (IS)	240	14.506	14.500	(1.000)	804981	40.0000	
85 Chrysene	228	14.535	14.535	(1.002)	1995951	100.000	103.2
86 bis(2-Ethylhexyl)phthalate	149	14.565	14.559	(1.004)	1222176	100.000	99.33
87 Di-n-octylphthalate	149	15.288	15.288	(0.949)	2141976	100.000	98.48
88 Benzo(b)fluoranthene	252	15.735	15.730	(0.976)	2364955	100.000	100.1
89 Benzo(k)fluoranthene	252	15.759	15.759	(0.978)	2584626	100.000	105.0
90 Benzo(a)pyrene	252	16.071	16.065	(0.997)	2224244	100.000	104.1
* 91 Perylene-d12 (IS)	264	16.118	16.118	(1.000)	780677	40.0000	
92 Indeno(1,2,3-cd)pyrene	276	17.171	17.165	(1.065)	2979300	100.000	106.9
93 Dibenz(a,h)anthracene	278	17.176	17.171	(1.066)	2398487	100.000	107.1
94 Benzo(g,h,i)perylene	276	17.459	17.453	(1.083)	2504269	100.000	106.6

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Client ID:

Sample Info: CCV,71288;1

Volume Injected (uL): 1.0

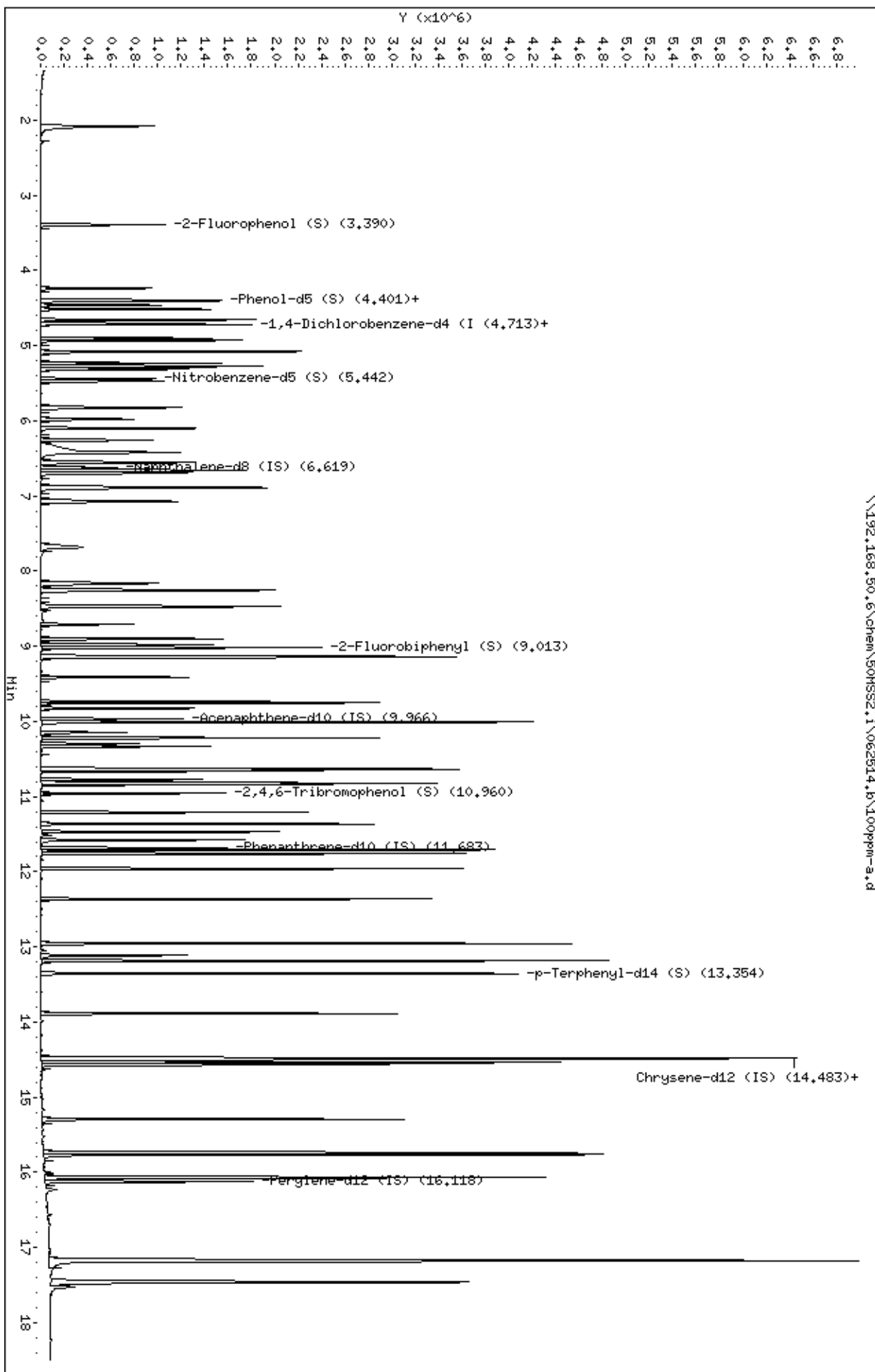
Column phase: 50um DB-5ms

Instrument: 50HSS2.1

Operator: SN

Column diameter: 0.25

\\192.168.50.6\chem\50HSS2.1\062514.b\100ppm-a.d



Pace Analytical Services, Inc.

Semivolatile REPORT SW-846 Method 8270/EPA 625

Data file : \\192.168.50.6\chem\50MSS2.i\062514.b\100ppm-b.d
 Lab Smp Id: CCV,71288:1
 Inj Date : 26-JUN-2014 00:15
 Operator : SN
 Smp Info : ccv,71288:1
 Misc Info : 15468
 Comment :
 Method : \\192.168.50.6\chem\50MSS2.i\062514.b\8270c.m
 Meth Date : 26-Jun-2014 10:12 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		2.072	2.072	(0.441)	156468	100.000	98.43
2 Pyridine	79		2.077	2.077	(0.443)	428669	100.000	103.8
\$ 3 2-Fluorophenol (S)	112		3.389	3.389	(0.722)	399224	100.000	103.6
5 Benzaldehyde	77		4.236	4.236	(0.902)	248349	100.000	143.6
\$ 6 Phenol-d5 (S)	99		4.395	4.395	(0.936)	519927	100.000	106.9
7 Phenol	94		4.407	4.407	(0.939)	545758	100.000	106.5
8 bis(2-Chloroethyl)ether	93		4.460	4.460	(0.950)	375303	100.000	101.1
9 2-Chlorophenol	128		4.513	4.513	(0.961)	482334	100.000	105.5
10 1,3-Dichlorobenzene	146		4.654	4.654	(0.991)	516893	100.000	100.7
* 11 1,4-Dichlorobenzene-d4 (IS)	152		4.695	4.695	(1.000)	135449	40.0000	
12 1,4-Dichlorobenzene	146		4.713	4.713	(1.004)	521678	100.000	101.9
13 Benzyl Alcohol	108		4.901	4.901	(1.044)	309498	100.000	112.1
14 1,2-Dichlorobenzene	146		4.930	4.930	(1.050)	502637	100.000	101.8
15 2-Methylphenol	108		5.083	5.083	(1.083)	393702	100.000	103.5
16 bis(2chlorolmethylethyl) ether	45		5.083	5.083	(1.083)	443952	100.000	95.90
17 2,2'-Oxybis(1-chloropropane)	45		5.083	5.083	(1.083)	443952	100.000	95.90
18 bis(2-Chloroisopropyl)ether	45		5.083	5.083	(1.083)	443952	100.000	95.90
20 3&4-Methylphenol	108		5.283	5.283	(1.125)	435878	100.000	106.3
19 Acetophenone	105		5.230	5.230	(1.114)	608452	100.000	102.5
21 N-Nitroso-di-n-propylamine	70		5.271	5.271	(1.123)	276991	100.000	102.2
22 Hexachloroethane	117		5.313	5.313	(1.132)	181814	100.000	100.2

Compounds	QUANT	SIG						AMOUNTS	
			MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/ml)	ON-COL (ug/ml)
§ 23 Nitrobenzene-d5 (S)	82		5.442	5.442	(0.822)	422683	100.000	101.3	
24 Nitrobenzene	77		5.471	5.471	(0.827)	425622	100.000	101.9	
25 Isophorone	82		5.824	5.824	(0.880)	792306	100.000	99.70	
26 2-Nitrophenol	139		5.977	5.977	(0.903)	264595	100.000	104.5	
27 2,4-Dimethylphenol	122		6.101	6.101	(0.922)	391220	100.000	97.55	
28 Benzoic Acid	122		6.395	6.395	(0.966)	183518	100.000	80.58	
29 bis(2-Chloroethoxy)methane	93		6.254	6.254	(0.945)	494645	100.000	100.8	
30 2,4-Dichlorophenol	162		6.418	6.418	(0.970)	438981	100.000	106.7	
31 1,2,4-Trichlorobenzene	180		6.554	6.554	(0.990)	460331	100.000	102.4	
* 32 Naphthalene-d8 (IS)	136		6.618	6.618	(1.000)	544952	40.0000		
33 Naphthalene	128		6.660	6.660	(1.006)	1425148	100.000	101.4	
35 4-Chloroaniline	127		6.889	6.889	(1.041)	578266	100.000	105.1	
34 2,6-Dichlorophenol	162		6.883	6.883	(1.040)	415635	100.000	103.8	
36 Hexachlorobutadiene	225		7.071	7.071	(1.068)	272566	100.000	99.58	
37 Caprolactam	113		7.701	7.701	(1.164)	139877	100.000	120.2	
38 4-Chloro-3-methylphenol	107		8.159	8.159	(1.233)	413824	100.000	109.1	
39 2-Methylnaphthalene	142		8.254	8.254	(1.247)	983441	100.000	101.9	
41 1-Methylnaphthalene	142		8.465	8.465	(1.279)	981704	100.000	103.4	
43 Hexachlorocyclopentadiene	237		8.706	8.706	(0.874)	136153	100.000	61.72	
44 2,4,6-Trichlorophenol	196		8.901	8.901	(0.893)	342472	100.000	106.7	
45 2,4,5-Trichlorophenol	196		8.983	8.983	(0.901)	366111	100.000	107.4	
§ 46 2-Fluorobiphenyl (S)	172		9.012	9.012	(0.904)	1093267	100.000	100.1	
48 Biphenyl (Diphenyl)	154		9.142	9.142	(0.917)	1220518	100.000	101.1	
47 2-Chloronaphthalene	162		9.130	9.130	(0.916)	916278	100.000	101.7	
49 2-Nitroaniline	65		9.412	9.412	(0.945)	234929	100.000	106.8	
50 Dimethylphthalate	163		9.736	9.736	(0.977)	1068889	100.000	101.8	
51 Acenaphthylene	152		9.753	9.753	(0.979)	1610932	100.000	104.2	
52 2,6-Dinitrotoluene	165		9.824	9.824	(0.986)	246555	100.000	108.5	
54 3-Nitroaniline	138		10.006	10.006	(1.004)	278886	100.000	112.5	
* 53 Acenaphthene-d10 (IS)	164		9.965	9.965	(1.000)	323812	40.0000		
55 Acenaphthene	153		10.006	10.006	(1.004)	975428	100.000	101.5	
56 2,4-Dinitrophenol	184		10.148	10.148	(1.018)	55079	100.000	42.62 (MH)	
58 4-Nitrophenol	109		10.300	10.300	(1.034)	144236	100.000	117.3	
57 Dibenzofuran	168		10.218	10.218	(1.025)	1405738	100.000	103.8	
59 2,4-Dinitrotoluene	165		10.330	10.330	(1.037)	349062	100.000	110.9	
60 Diethylphthalate	149		10.624	10.624	(1.066)	1042551	100.000	101.9	
61 Fluorene	166		10.642	10.642	(1.068)	1121375	100.000	104.0	
62 4-Chlorophenyl-phenylether	204		10.659	10.659	(1.070)	547332	100.000	103.0	
63 4-Nitroaniline	138		10.771	10.771	(1.081)	305064	100.000	117.5	
64 4,6-Dinitro-2-methylphenol	198		10.812	10.812	(0.925)	97445	100.000	47.88	
65 N-Nitrosodiphenylamine	169		10.824	10.824	(0.926)	824108	100.000	100.7	
66 1,2-Diphenylhydrazine	77		10.842	10.842	(0.928)	993690	100.000	94.84	
§ 67 2,4,6-Tribromophenol (S)	330		10.959	10.959	(0.938)	258267	100.000	108.6	
68 4-Bromophenyl-phenylether	248		11.206	11.206	(0.959)	384168	100.000	101.5	
69 Hexachlorobenzene	284		11.365	11.365	(0.973)	459914	100.000	101.8	
70 Atrazine	200		11.465	11.465	(0.981)	252620	100.000	82.86	
71 Pentachlorophenol	266		11.577	11.577	(0.991)	265543	100.000	99.69	
* 72 Phenanthrene-d10 (IS)	188		11.683	11.683	(1.000)	641262	40.0000		
73 Phenanthrene	178		11.706	11.706	(1.002)	1757965	100.000	102.2	
74 Anthracene	178		11.753	11.753	(1.006)	1780344	100.000	102.9	
75 Carbazole	167		11.959	11.959	(1.024)	1707198	100.000	104.7	
76 Di-n-butylphthalate	149		12.365	12.365	(1.058)	1819199	100.000	99.17	
77 Fluoranthene	202		12.953	12.953	(1.109)	2111357	100.000	107.8	
78 Benzidine	184		13.112	13.112	(1.122)	412863	100.000	91.66	

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)	2167875	100.000	105.7
\$ 80 p-Terphenyl-d14 (S)	244	13.347	13.347	(1.142)	1417571	100.000	107.6
81 Butylbenzylphthalate	149	13.883	13.883	(0.957)	909922	100.000	99.86
82 Benzo(a)anthracene	228	14.477	14.477	(0.998)	2266657	100.000	102.8
83 3,3'-Dichlorobenzidine	252	14.483	14.483	(0.999)	745634	100.000	100.8
* 84 Chrysene-d12 (IS)	240	14.500	14.500	(1.000)	862397	40.0000	
85 Chrysene	228	14.535	14.535	(1.002)	2120656	100.000	102.4
86 bis(2-Ethylhexyl)phthalate	149	14.559	14.559	(1.004)	1260696	100.000	95.64
87 Di-n-octylphthalate	149	15.288	15.288	(0.949)	2214070	100.000	97.85
88 Benzo(b)fluoranthene	252	15.730	15.730	(0.976)	2391847	100.000	97.34
89 Benzo(k)fluoranthene	252	15.759	15.759	(0.978)	2807378	100.000	109.7
90 Benzo(a)pyrene	252	16.065	16.065	(0.997)	2318061	100.000	104.3
* 91 Perylene-d12 (IS)	264	16.118	16.118	(1.000)	812167	40.0000	
92 Indeno(1,2,3-cd)pyrene	276	17.165	17.165	(1.065)	3087897	100.000	106.5
93 Dibenz(a,h)anthracene	278	17.171	17.171	(1.065)	2483900	100.000	106.6
94 Benzo(g,h,i)perylene	276	17.453	17.453	(1.083)	2591633	100.000	106.1

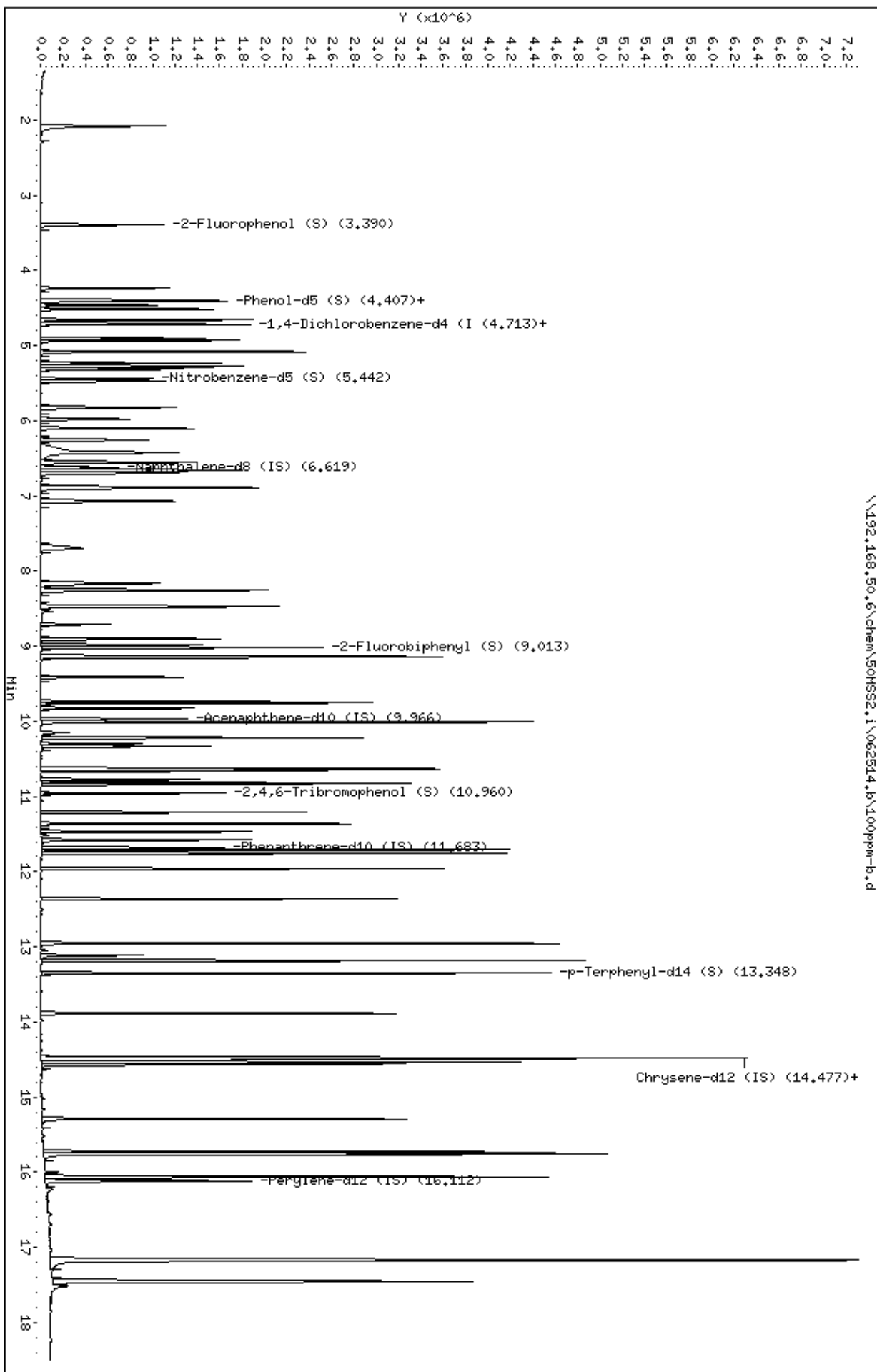
QC Flag Legend

- M - Compound response manually integrated.
- H - Operator selected an alternate compound hit.

Data File: \\192.168.50.6\chem\50HSS2.1\062514.b\100ppm-b.d
Date: 26-JUN-2014 00:15
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\062514.b\100ppm-b.d



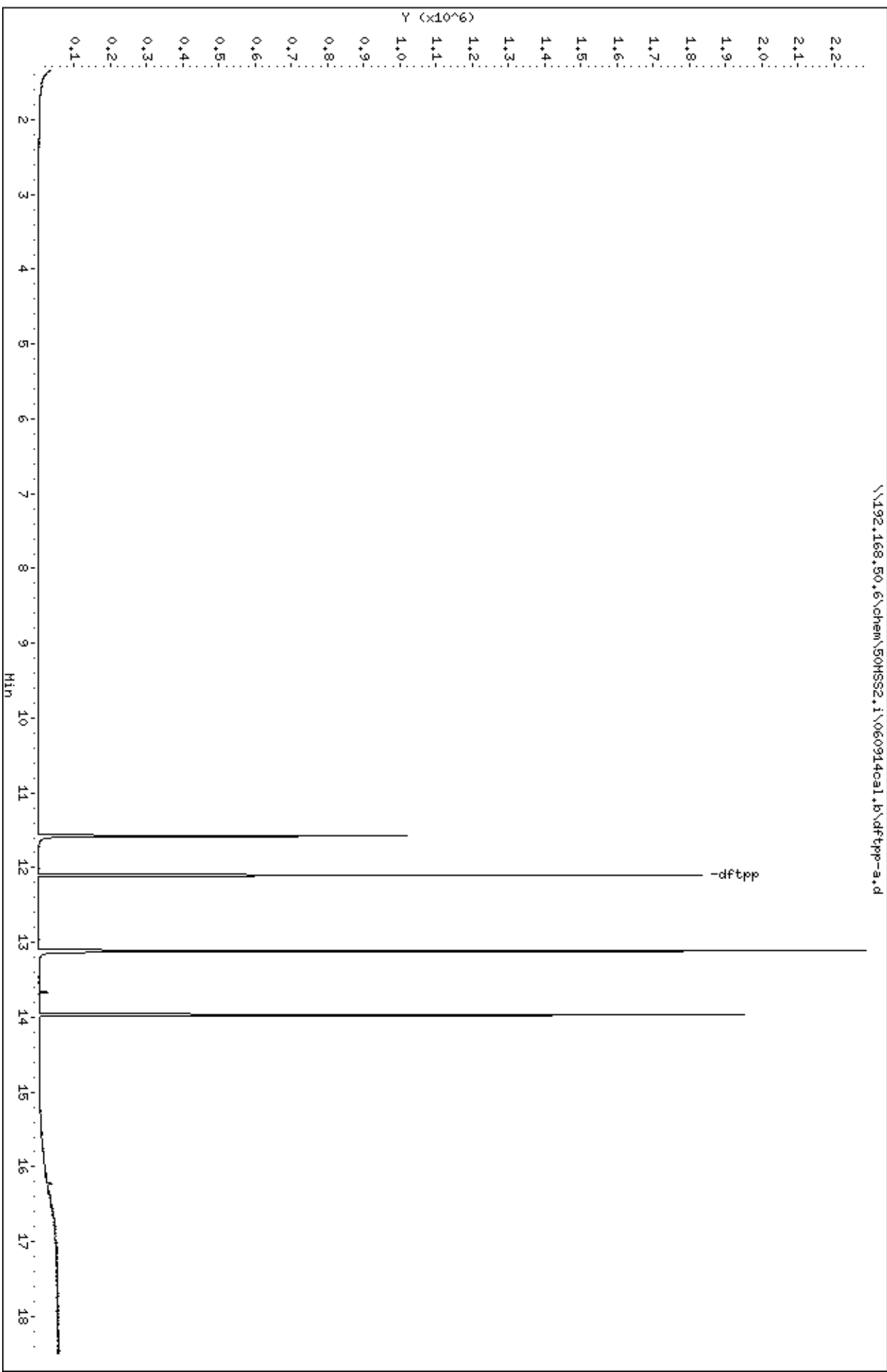
Instrument: 50HSS2.i

Operator: CEH

Column diameter: 2.00

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Column phase:



Date : 09-JUN-2014 12:56

Client ID: DFTPP

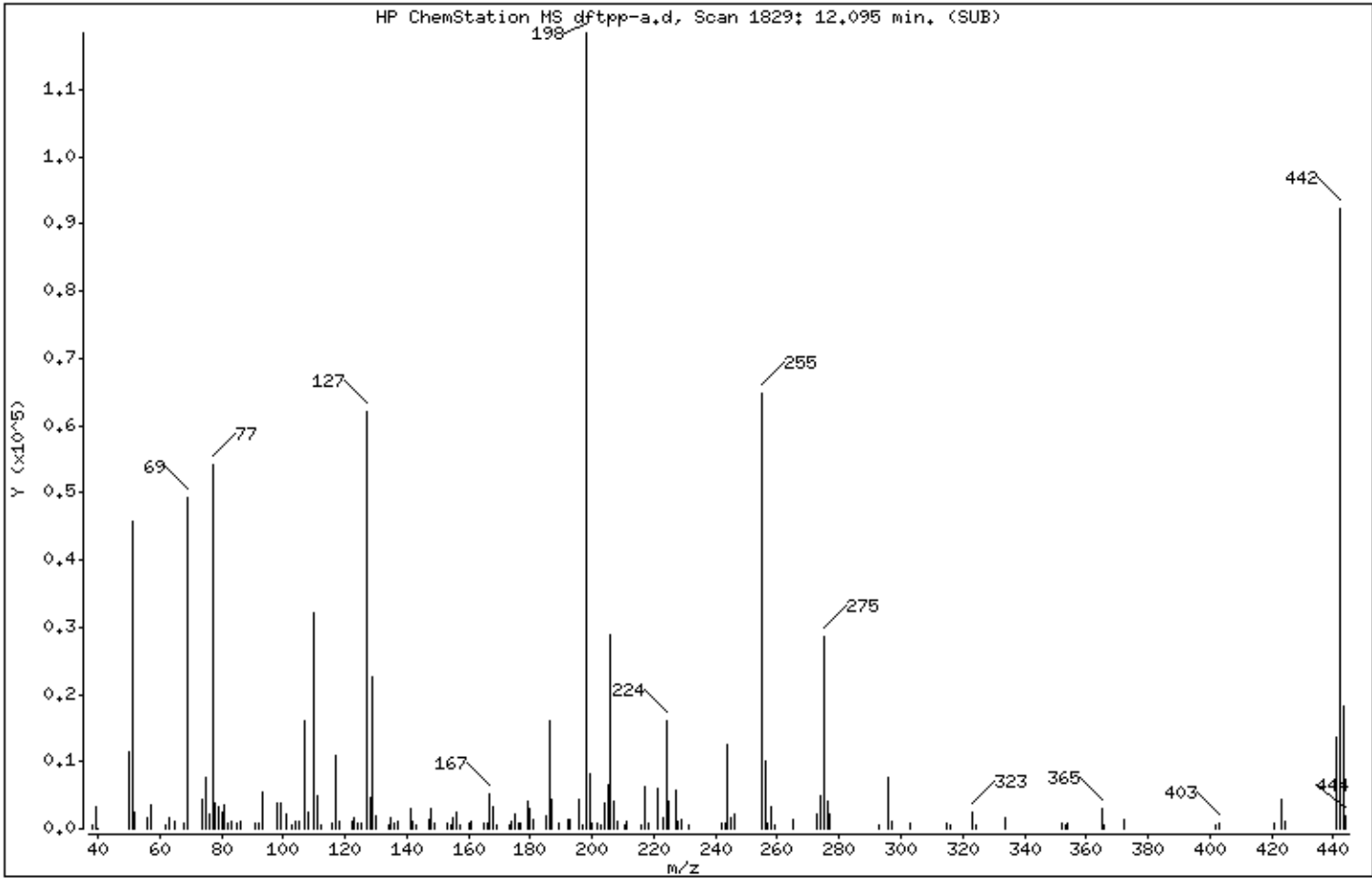
Instrument: 50MSS2.i

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		

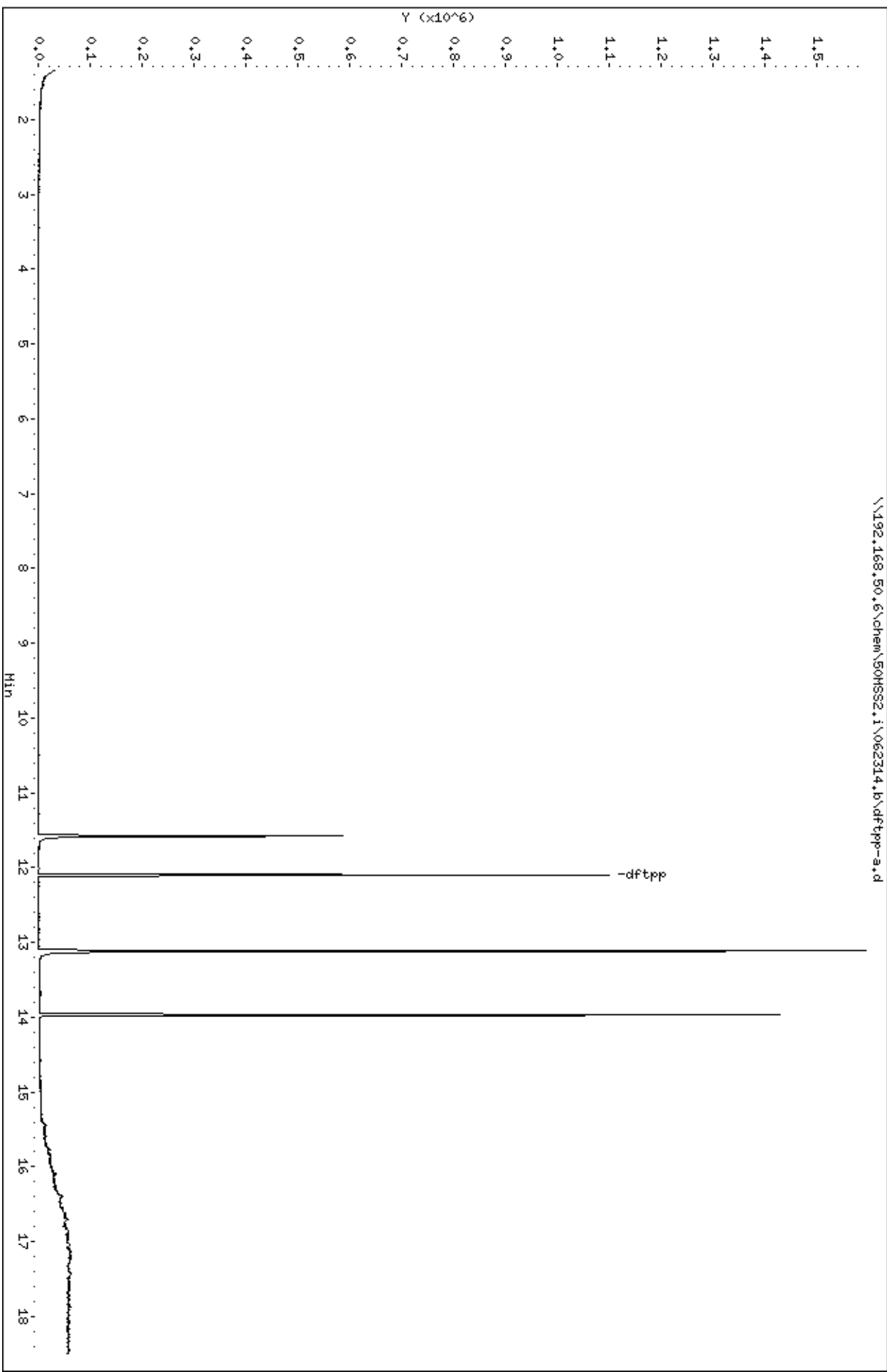
Instrument: 50HSS2.1

Operator: SN

Column diameter: 2.00

Column phase:

\\192.168.50.6\chem\50HSS2.1\062314.b\dfpp-a.d



Date : 23-JUN-2014 16:01

Client ID: DFTPP

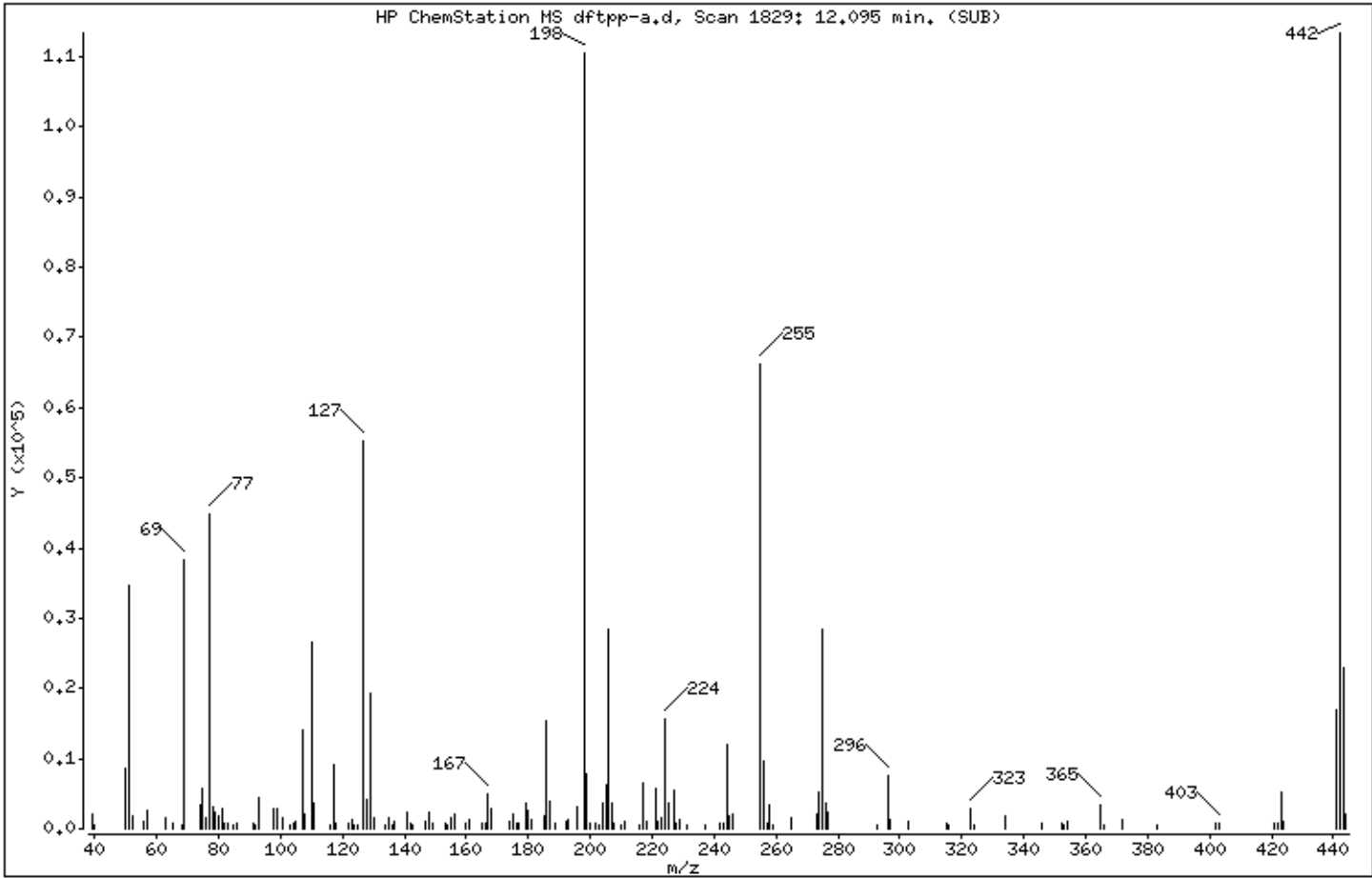
Instrument: 50MSS2.i

Sample Info: TUNE,70900;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	31,48
68	Less than 2,00% of mass 69	0,49 (1,40)
69	Mass 69 relative abundance	34,75
70	Less than 2,00% of mass 69	0,00 (0,00)
127	40,00 - 60,00% of mass 198	50,07
197	Less than 1,00% of mass 198	0,00
199	5,00 - 9,00% of mass 198	7,06
275	10,00 - 30,00% of mass 198	25,82
365	Greater than 1,00% of mass 198	3,12
441	Present, but less than mass 443	15,37
442	Greater than 40,00% of mass 198	102,66
443	17,00 - 23,00% of mass 442	20,67 (20,13)

Date : 23-JUN-2014 16:01

Client ID: DFTPP

Instrument: 50MSS2.i

Sample Info: TUNE,70900;1

Operator: SN

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: 442.10

Number of points: 149

m/z	Y	m/z	Y	m/z	Y	m/z	Y
39.10	2162	117.90	728	187.00	3889	258.00	3319
40.00	523	122.00	665	188.90	862	259.00	515
50.10	8723	123.00	1418	192.00	1079	265.10	1448
51.10	34760	123.90	645	193.00	1222	273.00	2155
52.00	1720	124.90	597	196.00	3055	274.00	5134
56.00	1106	127.00	55296	198.00	110432	275.00	28512
57.00	2538	128.00	4207	199.00	7802	276.00	3773
63.00	1482	129.00	19400	200.00	674	277.00	2323
65.00	822	130.00	1649	201.50	742	292.90	507
68.00	539	134.00	576	203.00	617	296.00	7515
69.00	38376	135.00	1548	204.00	3706	297.00	1183
74.00	3418	136.00	544	205.00	6269	303.00	1079
75.00	5624	137.00	935	206.00	28408	315.00	763
76.00	1672	141.00	2370	207.00	3711	316.00	581
77.10	44920	142.00	851	207.90	819	323.10	2770
78.00	3047	142.90	556	210.10	511	324.00	501
79.00	2442	147.00	1135	211.10	1044	334.00	1864
80.00	1896	148.00	2370	216.00	594	346.00	726
81.00	2919	149.00	658	217.00	6505	352.10	775
82.00	770	153.00	759	218.00	962	353.00	536
83.00	724	153.90	586	221.00	5683	354.00	949
84.90	544	155.00	1532	221.80	1144	365.00	3450
85.90	710	156.00	2210	223.00	1482	366.00	542
91.00	718	160.00	837	224.00	15591	372.00	1284
92.00	599	161.00	1253	225.10	3662	382.90	500
93.00	4342	165.00	857	227.00	5578	402.00	659
98.00	2768	166.00	693	227.90	886	403.00	813
99.00	2997	167.00	4884	229.00	1340	421.00	864
101.00	1682	168.00	2898	231.00	540	422.00	665
103.00	621	174.00	1087	237.00	530	423.10	5334
104.00	887	175.00	2110	242.00	759	424.00	989
104.90	1080	176.10	764	243.00	855	441.10	16976
107.00	13956	177.00	880	244.10	12083	442.10	113368
108.00	2177	179.00	3576	245.00	1722	443.10	22824
110.00	26656	180.00	2682	246.00	2035	444.10	2204

Date : 23-JUN-2014 16:01

Client ID: DFTPP

Instrument: 50MSS2.i

Sample Info: TUNE,70900;1

Operator: SN

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: 442.10

Number of points: 149

m/z	Y	m/z	Y	m/z	Y	m/z	Y
111.00	3692	181.00	1377	255.00	66168		
116.00	613	185.00	1772	256.00	9660		
117.00	9143	186.00	15476	257.00	796		

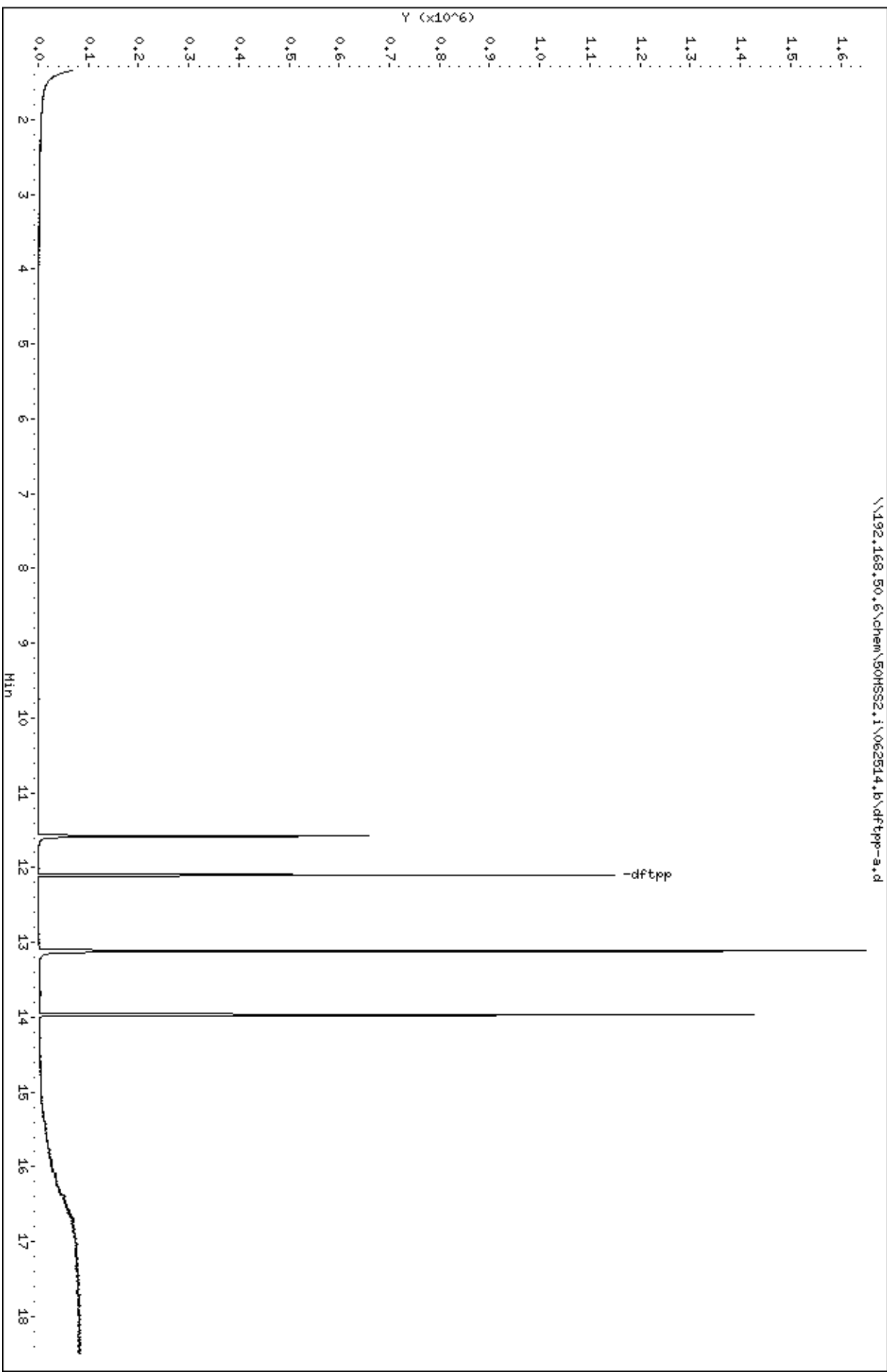
Instrument: 50HSS2.1

Operator: SN

Column diameter: 2.00

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Column phase:



Date : 25-JUN-2014 11:49

Client ID: DFTPP

Instrument: 50MSS2.i

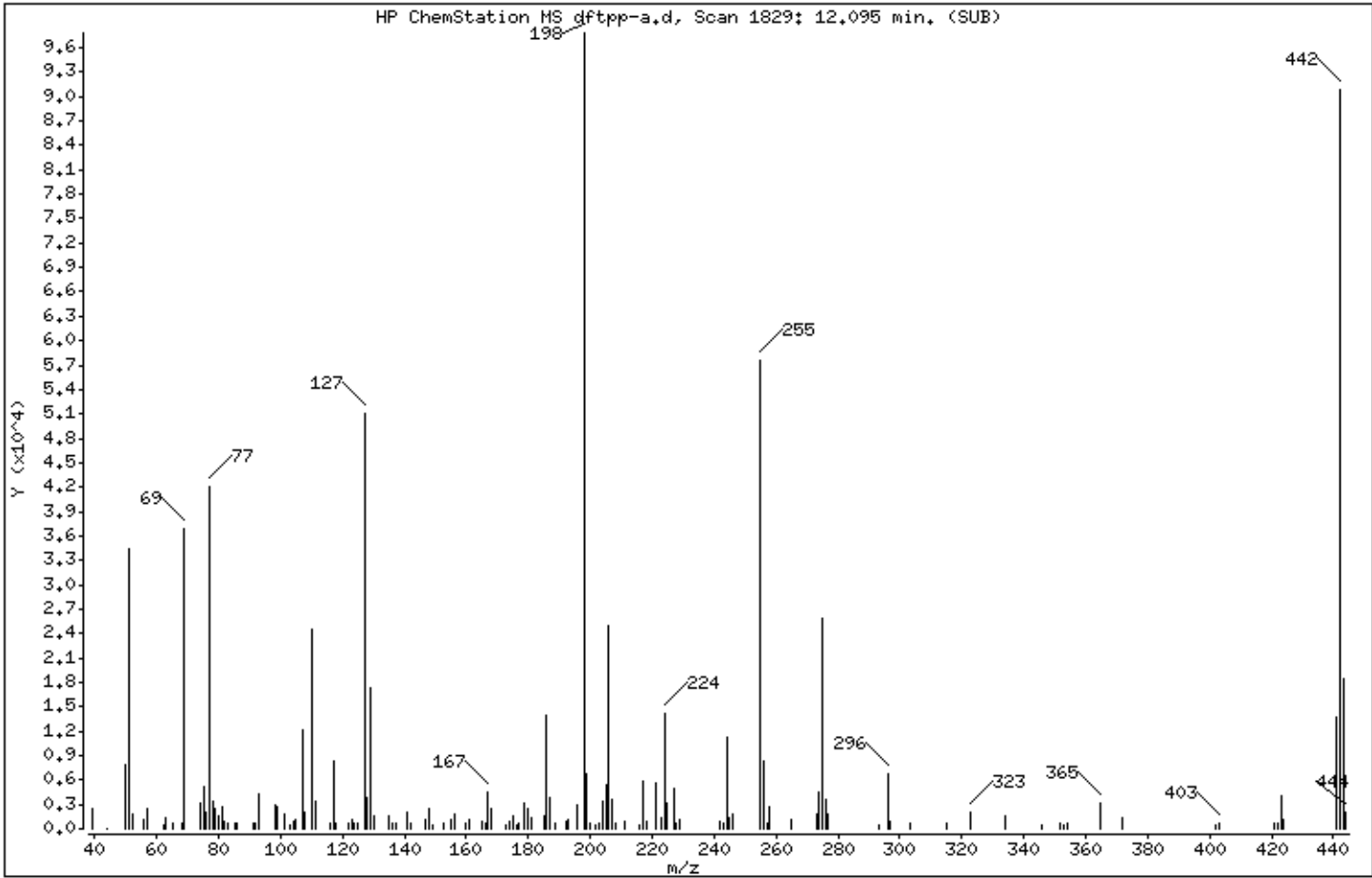
Sample Info: TUNE,71356;1

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	35,16
68	Less than 2,00% of mass 69	0,59 (1,56)
69	Mass 69 relative abundance	37,65
70	Less than 2,00% of mass 69	0,00 (0,00)
127	40,00 - 60,00% of mass 198	52,18
197	Less than 1,00% of mass 198	0,00
199	5,00 - 9,00% of mass 198	7,01
275	10,00 - 30,00% of mass 198	26,43
365	Greater than 1,00% of mass 198	3,22
441	Present, but less than mass 443	14,03
442	Greater than 40,00% of mass 198	92,87
443	17,00 - 23,00% of mass 442	18,95 (20,41)

Date : 25-JUN-2014 11:49

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 1829: 12.095 min. (SUB)

Location of Maximum: 198,00

Number of points: 139

m/z	Y	m/z	Y	m/z	Y	m/z	Y
39,00	2551	110,00	24576	178,90	3140	246,00	1817
43,90	53	111,00	3449	180,00	2529	255,00	57528
50,00	7970	116,00	641	181,00	1290	256,00	8348
51,10	34392	117,00	8255	185,00	1669	257,00	703
52,00	1811	117,90	607	186,00	13915	258,00	2801
56,00	1021	121,90	690	187,00	3813	265,00	1163
57,00	2400	123,00	1229	188,90	629	273,00	1781
62,00	501	123,90	602	192,00	1005	274,00	4398
63,00	1417	125,00	612	193,00	1179	275,00	25848
65,00	726	127,00	51040	196,00	2828	276,00	3567
68,00	574	128,00	3783	198,00	97816	277,00	1909
69,00	36824	129,00	17232	199,00	6858	293,00	525
74,00	3131	130,00	1632	199,90	627	296,00	6653
75,00	5275	135,00	1477	201,40	547	297,00	947
76,00	1987	135,90	566	202,90	675	303,10	650
77,10	42120	137,00	773	204,00	3351	315,00	690
78,00	3275	141,00	1988	205,00	5477	323,00	2124
79,00	2463	141,90	765	206,00	25008	334,00	1556
80,00	1659	147,00	1110	207,00	3532	346,00	506
81,00	2629	148,00	2508	208,00	741	352,00	708
82,00	832	148,90	506	211,00	949	352,90	556
83,00	721	152,90	683	216,00	548	354,00	776
85,00	737	155,00	1227	217,00	5849	365,00	3145
86,00	710	156,00	1859	218,00	839	372,00	1284
91,00	705	160,00	678	221,00	5519	402,00	522
92,00	585	160,90	1039	223,00	1420	403,00	736
93,00	4362	164,90	828	224,00	14063	421,00	670
98,00	2909	166,00	707	225,00	3236	422,00	608
99,00	2788	167,00	4413	227,00	4969	423,00	4156
101,00	1776	168,00	2444	227,90	756	424,00	1044
102,90	506	173,00	548	229,00	1127	441,10	13723
104,00	999	174,00	959	242,00	792	442,10	90840
105,00	1027	175,00	1632	243,00	776	443,10	18536
107,00	12203	176,00	558	244,10	11323	444,10	1974
108,00	2108	177,00	755	245,00	1393		

Date : 25-JUN-2014 11:49

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 1829: 12.095 min. (SUB)

Location of Maximum: 198.00

Number of points: 139

m/z	Y	m/z	Y	m/z	Y	m/z	Y
+-----+-----+-----+-----+							

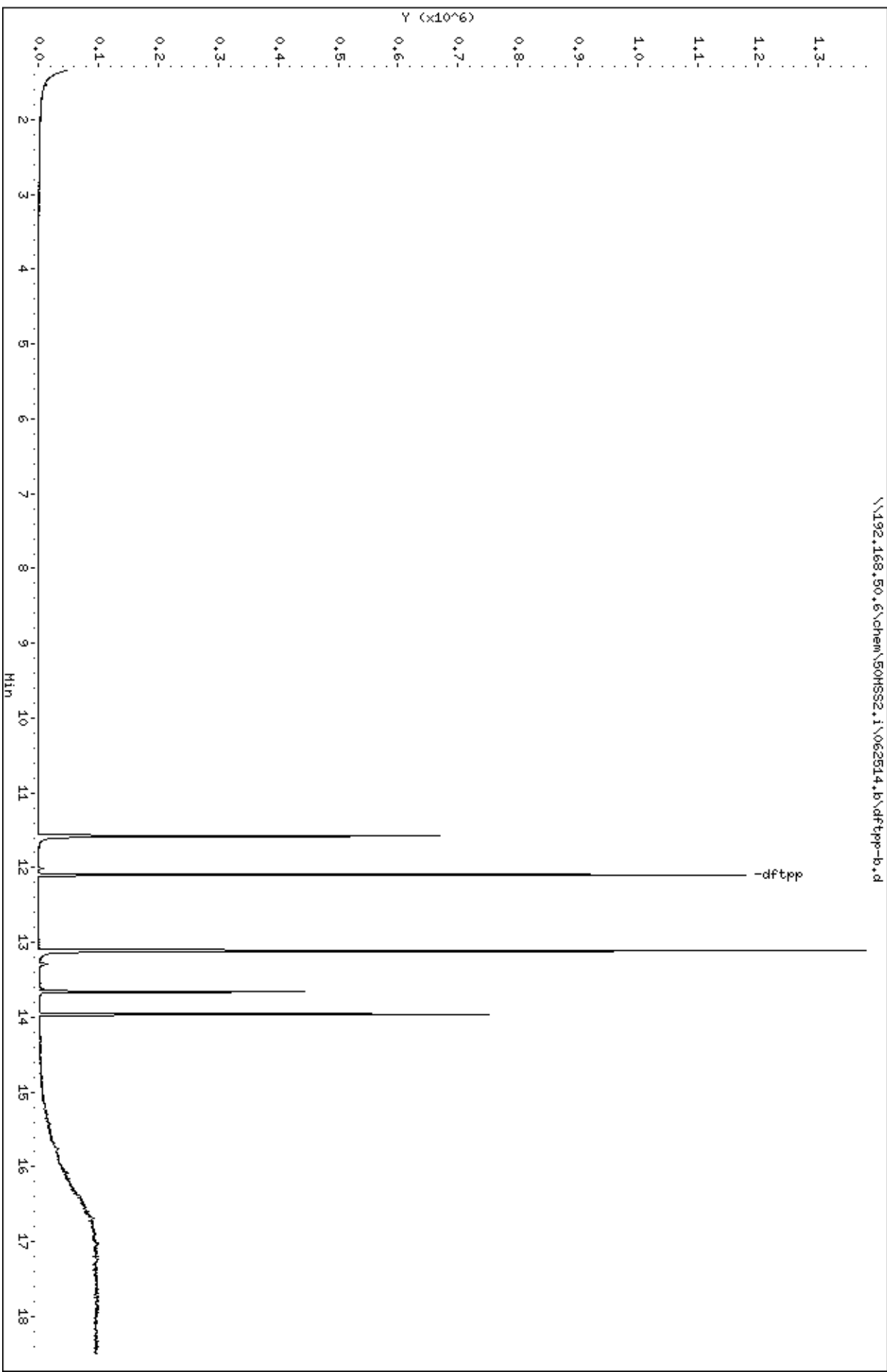
Instrument: 50HSS2.1

Operator: SN

Column diameter: 2.00

Column phase:

\\192.168.50.6\chem\50HSS2.1\062514.b\dfpp-b.d



Date : 25-JUN-2014 23:52

Client ID: DFTPP

Instrument: 50MSS2.i

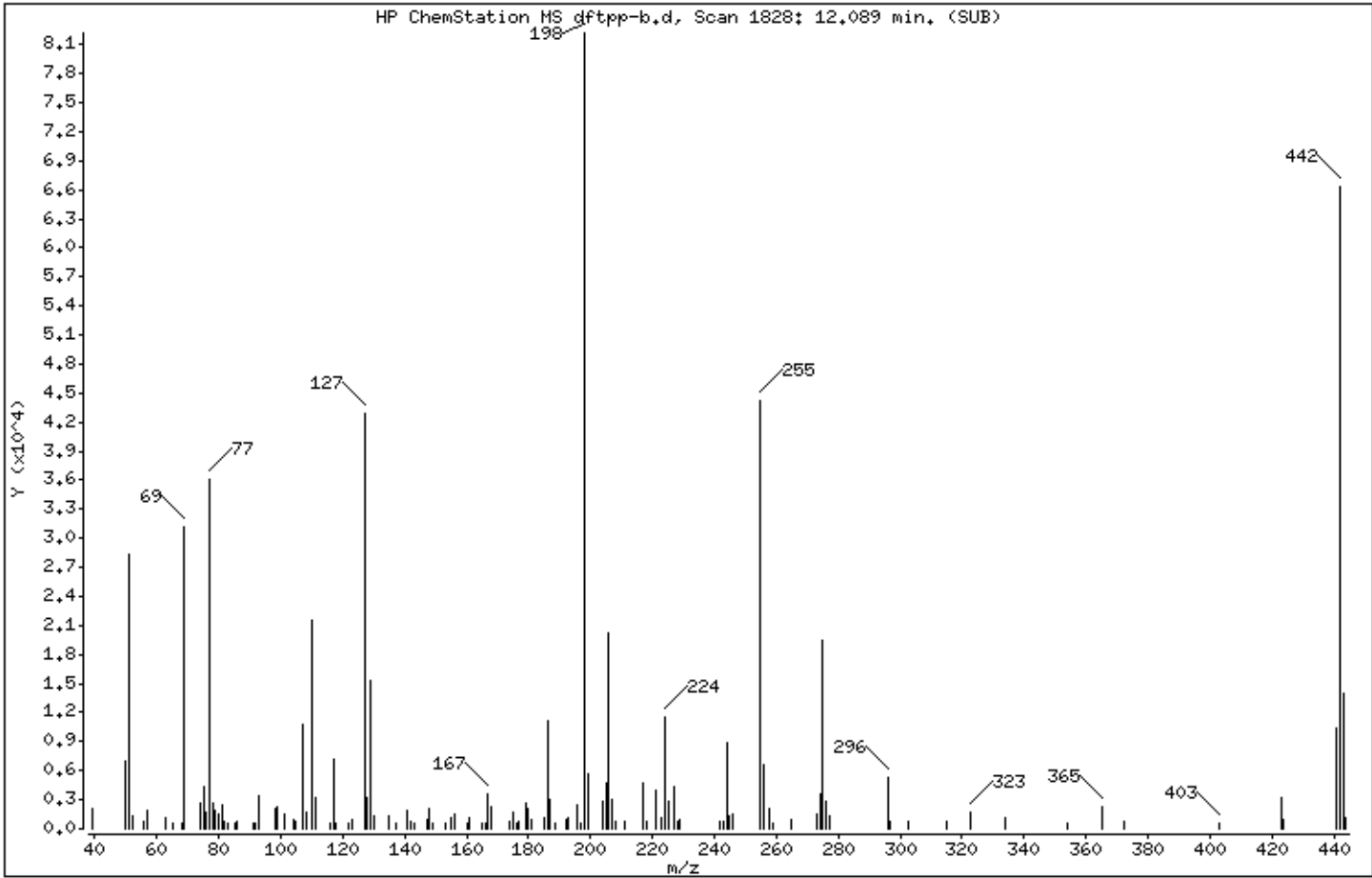
Sample Info: TUNE,71356;1

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	34,59
68	Less than 2,00% of mass 69	0,72 (1,90)
69	Mass 69 relative abundance	37,91
70	Less than 2,00% of mass 69	0,00 (0,00)
127	40,00 - 60,00% of mass 198	52,18
197	Less than 1,00% of mass 198	0,63
199	5,00 - 9,00% of mass 198	6,95
275	10,00 - 30,00% of mass 198	23,74
365	Greater than 1,00% of mass 198	2,84
441	Present, but less than mass 443	12,67
442	Greater than 40,00% of mass 198	80,76
443	17,00 - 23,00% of mass 442	16,97 (21,01)

Date : 25-JUN-2014 23:52

Client ID: DFTPP

Instrument: 50MSS2.i

Sample Info: TUNE,71356;1

Operator: SN

Column phase:

Column diameter: 2,00

Data File: dftpp-b.d

Spectrum: HP ChemStation MS dftpp-b.d, Scan 1828: 12,089 min. (SUB)

Location of Maximum: 198,00

Number of points: 123

m/z	Y	m/z	Y	m/z	Y	m/z	Y
39,00	2023	108,00	1674	176,00	649	243,10	669
50,00	7011	110,00	21456	177,00	721	244,00	8886
51,10	28432	111,00	3193	179,00	2654	245,00	1280
52,00	1405	116,00	545	180,00	2052	246,00	1545
56,00	841	117,00	7275	181,00	1011	255,00	44248
57,00	1959	118,00	603	185,00	1196	256,00	6668
63,00	1121	122,00	610	186,00	11148	258,00	2150
65,00	600	123,00	958	187,00	3045	259,00	505
68,10	593	127,00	42896	188,90	644	265,00	888
69,00	31160	128,00	3215	192,00	851	273,00	1478
74,00	2641	129,00	15319	193,00	1071	274,00	3544
75,00	4424	130,00	1389	196,00	2369	275,00	19512
76,00	1735	135,00	1350	196,70	515	276,00	2791
77,10	36000	137,00	625	198,00	82200	277,00	1357
78,00	2612	141,00	1855	199,00	5715	296,00	5201
79,00	1908	142,00	680	204,00	2813	297,00	665
80,00	1582	142,90	522	205,00	4740	302,90	680
81,00	2498	147,00	928	206,00	20264	314,90	683
82,00	680	148,00	2018	207,00	2947	323,00	1785
83,00	646	149,00	533	207,90	674	334,00	1133
85,00	544	153,00	594	211,00	837	354,00	644
86,00	675	155,00	1056	217,00	4704	365,00	2336
91,00	621	156,00	1563	218,00	737	372,10	811
92,00	532	160,00	515	221,00	4049	403,00	606
93,00	3466	161,00	1066	223,00	1128	423,10	3192
98,00	2096	165,00	627	224,00	11502	424,00	861
99,00	2245	165,90	659	225,00	2812	441,10	10414
101,00	1465	167,00	3651	227,00	4330	442,10	66384
103,90	902	168,00	2261	228,00	743	443,10	13947
105,00	803	174,00	760	229,00	890	444,00	1183
107,00	10721	175,00	1672	241,90	665		

MSSV FULL SCAN - FORM I SVOA-1
SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

BLANK

Lab Name: Pace Analytical - Indiana

Contract: Sibley - Accucast

Date Received: _____

Matrix: Solid SDG No.: 5099627

Date Extracted: 06/23/2014 12:26

Lab Sample ID: 1115928

Date Analyzed: 06/23/2014 16:46

Lab File ID: 062314.B\1115928B.D

Initial wt/vol: 30 g Final wt/vol: 1 mL Dilution: 1

Instrument: 50MSS2 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

07/18/2014 8:51

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: 06/23/2014 12:26
Date Analyzed: 06/23/2014 16:46
Initial wt/vol: 30 g Final wt/vol: 1 mL Dilution: 1

Contract: Sibley - Accucast
Matrix: Solid SDG No.: 5099627
Lab Sample ID: 1115928
Lab File ID: 062314.B\1115928B.D
Instrument: 50MSS2 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\50MSS2.i\062314.b\1115928b.d
 Lab Smp Id: 1115928 Client Smp ID: MB
 Inj Date : 23-JUN-2014 16:46
 Operator : SN Inst ID: 50MSS2.i
 Smp Info : 1115928
 Misc Info : 15562
 Comment :
 Method : \\192.168.50.6\chem\50MSS2.i\062314.b\8270c.m
 Meth Date : 24-Jun-2014 08:57 50MSS2.i Quant Type: ISTD
 Cal Date : 09-JUN-2014 14:49 Cal File: 100ppm.d
 Als bottle: 4 QC Sample: BLANK
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: most.sub
 Target Version: 4.14
 Processing Host: 50-SVOA-SN

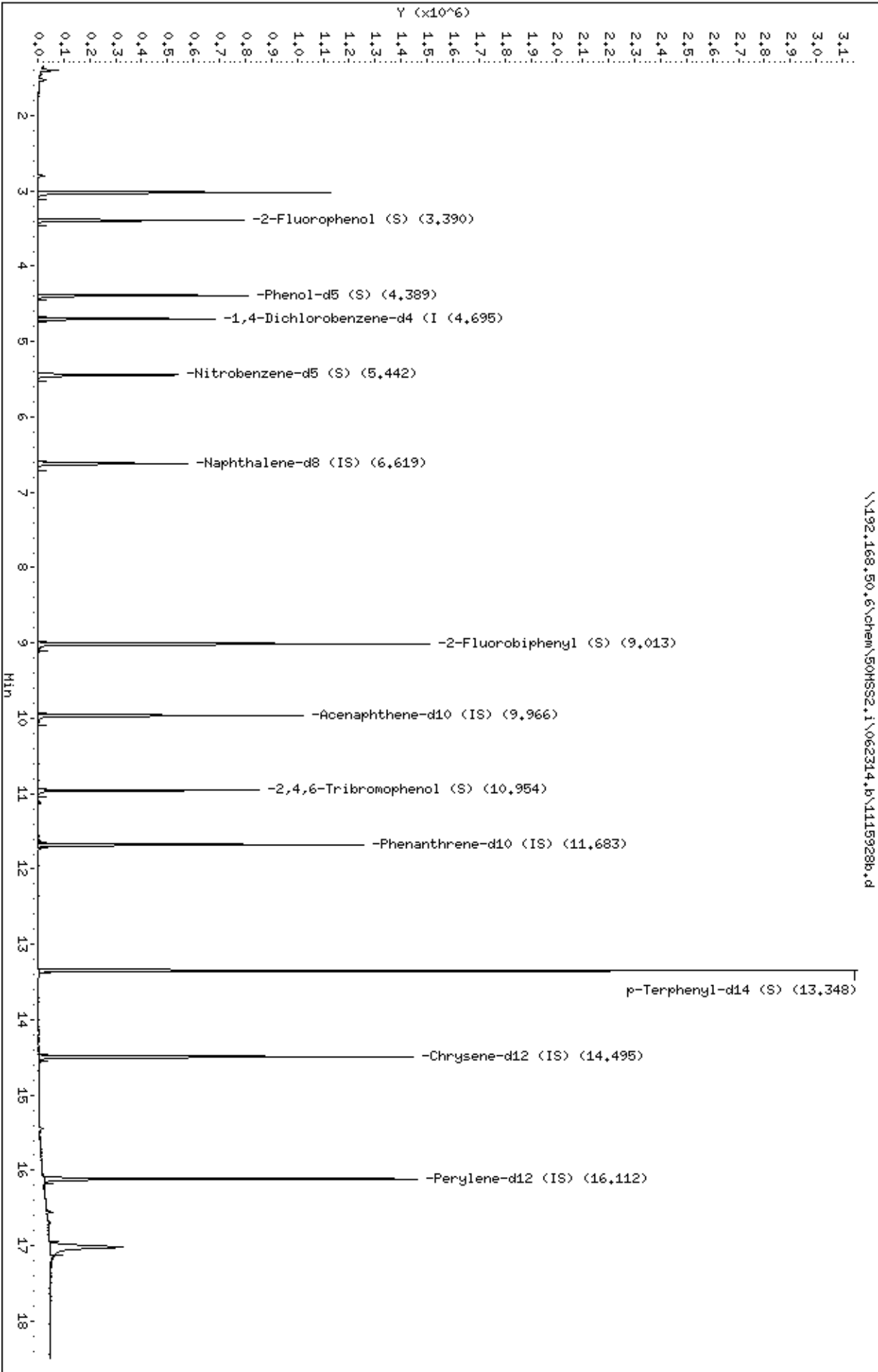
Concentration Formula: Amt * DF * Uf * Vt / (Vi * Ws * (100 - M) / 100) * CpndV

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	MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
								ON-COLUMN	FINAL
								(ug/ml)	(ug/Kg)
\$ 3 2-Fluorophenol (S)	112			3.389	3.389	(0.722)	262045	73.9625	2465
\$ 6 Phenol-d5 (S)	99			4.389	4.389	(0.935)	333847	74.6342	2488
* 11 1,4-Dichlorobenzene-d4 (IS)	152			4.695	4.695	(1.000)	124548	40.0000	(Q)
\$ 23 Nitrobenzene-d5 (S)	82			5.442	5.442	(0.822)	256664	69.7437	2325
* 32 Naphthalene-d8 (IS)	136			6.618	6.618	(1.000)	480724	40.0000	
\$ 46 2-Fluorobiphenyl (S)	172			9.012	9.012	(0.904)	685961	73.8342	2461
* 53 Acenaphthene-d10 (IS)	164			9.965	9.965	(1.000)	275453	40.0000	
\$ 67 2,4,6-Tribromophenol (S)	330			10.959	10.959	(0.938)	150343	75.6749	2522
* 72 Phenanthrene-d10 (IS)	188			11.683	11.683	(1.000)	535942	40.0000	
\$ 80 p-Terphenyl-d14 (S)	244			13.347	13.353	(1.142)	1112943	101.129	3371
* 84 Chrysene-d12 (IS)	240			14.494	14.500	(1.000)	687311	40.0000	
* 91 Perylene-d12 (IS)	264			16.112	16.112	(1.000)	653453	40.0000	

QC Flag Legend

Q - Qualifier signal failed the ratio test.



MSSV FULL SCAN - FORM I SVOA-1
SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

BLANK

Lab Name: Pace Analytical - Indiana

Contract: Sibley - Accucast

Date Received: _____

Matrix: Solid SDG No.: 5099627

Date Extracted: 06/24/2014 14:24

Lab Sample ID: 1116664

Date Analyzed: 06/25/2014 12:34

Lab File ID: 062514.B\1116664B.D

Initial wt/vol: 30 g Final wt/vol: 1 mL Dilution: 1

Instrument: 50MSS2 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

07/18/2014 8:51

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 14:24
Date Analyzed: 06/25/2014 12:34
Initial wt/vol: 30 g Final wt/vol: 1 mL Dilution: 1

Contract: Sibley - Accucast
Matrix: Solid SDG No.: 5099627
Lab Sample ID: 1116664
Lab File ID: 062514.B\1116664B.D
Instrument: 50MSS2 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

07/18/2014 8:51

Pace Analytical Services, Inc.

Semivolatiles REPORT SW-846 Method 8270/EPA 625

Data file : \\192.168.50.6\chem\50MSS2.i\062514.b\1116664b.d
 Lab Smp Id: 1116664 Client Smp ID: MB
 Inj Date : 25-JUN-2014 12:34
 Operator : SN Inst ID: 50MSS2.i
 Smp Info : 1116664
 Misc Info : 15571
 Comment :
 Method : \\192.168.50.6\chem\50MSS2.i\062514.b\8270c.m
 Meth Date : 26-Jun-2014 10:12 50MSS2.i Quant Type: ISTD
 Cal Date : 09-JUN-2014 14:49 Cal File: 100ppm.d
 Als bottle: 4 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)	(ug/Kg)
\$ 3 2-Fluorophenol (S)	112	3.389	3.389	(0.722)	237685	79.8641	2662
\$ 6 Phenol-d5 (S)	99	4.389	4.395	(0.935)	298714	79.4986	2650
* 11 1,4-Dichlorobenzene-d4 (IS)	152	4.695	4.695	(1.000)	104622	40.0000	(Q)
\$ 23 Nitrobenzene-d5 (S)	82	5.448	5.442	(0.823)	233644	77.2851	2576
* 32 Naphthalene-d8 (IS)	136	6.618	6.618	(1.000)	394907	40.0000	
\$ 46 2-Fluorobiphenyl (S)	172	9.012	9.012	(0.904)	588804	76.2230	2541
* 53 Acenaphthene-d10 (IS)	164	9.965	9.965	(1.000)	229029	40.0000	
\$ 67 2,4,6-Tribromophenol (S)	330	10.959	10.959	(0.938)	128519	79.5814	2653
* 72 Phenanthrene-d10 (IS)	188	11.683	11.683	(1.000)	435654	40.0000	
\$ 80 p-Terphenyl-d14 (S)	244	13.353	13.347	(1.143)	948213	105.995	3533
* 84 Chrysene-d12 (IS)	240	14.500	14.500	(1.000)	601479	40.0000	
* 91 Perylene-d12 (IS)	264	16.118	16.118	(1.000)	612955	40.0000	

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Client ID: MB

Sample Info: 111664

Volume Injected (uL): 1.0

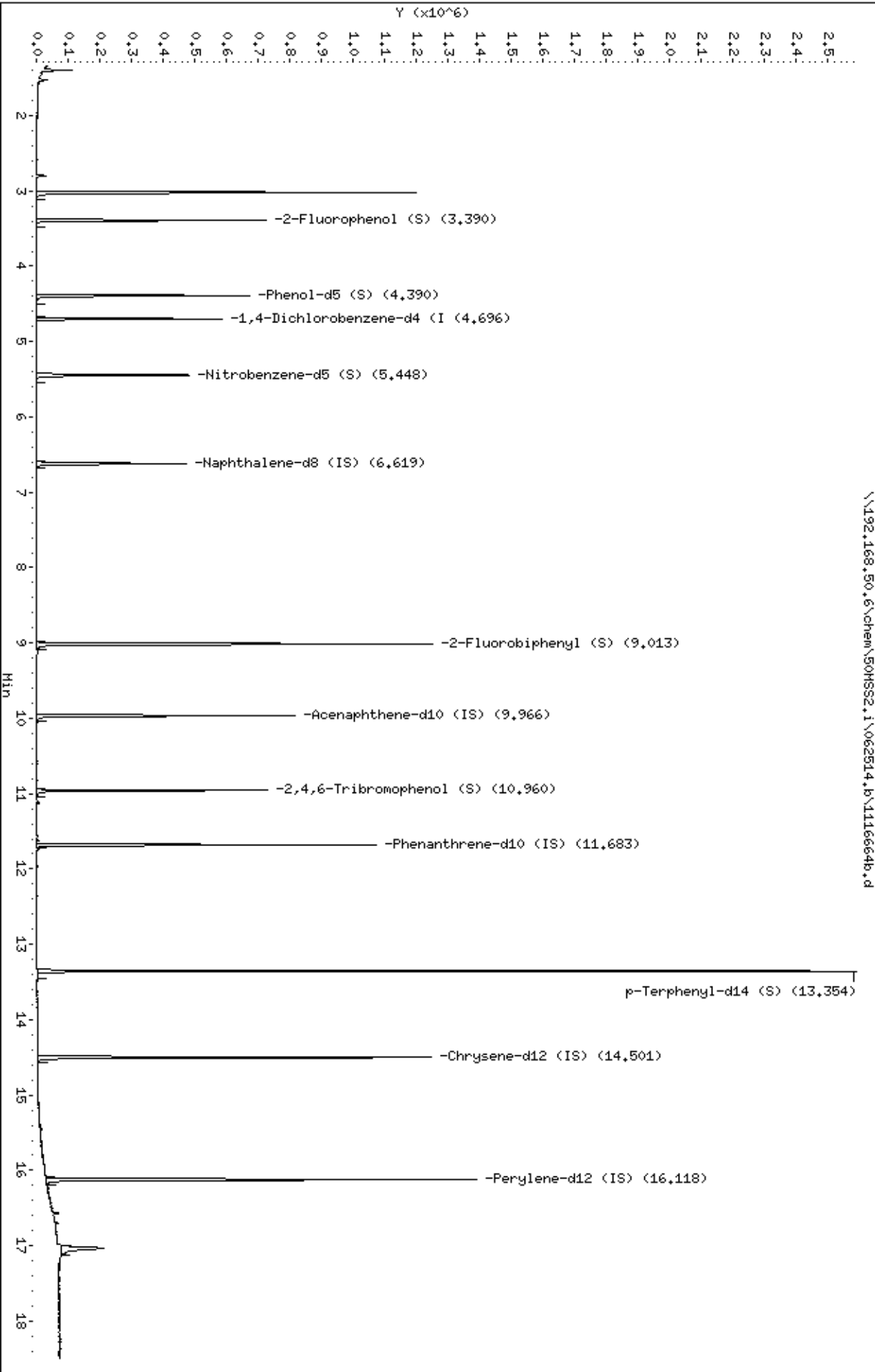
Column phase: 50um DB-5ms

Instrument: 50HSS2.1

Operator: SN

Column diameter: 0.25

\\192.168.50.6\chem\50HSS2.1\062514.b\111664b.d



MSSV FULL SCAN - FORM I SVOA-1
SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

BLANK

Lab Name: Pace Analytical - Indiana

Contract: Sibley - Accucast

Date Received: _____

Matrix: Solid SDG No.: 5099627

Date Extracted: 06/25/2014 11:19

Lab Sample ID: 1117083

Date Analyzed: 06/26/2014 01:00

Lab File ID: 062514.B\1117083B.D

Initial wt/vol: 30 g Final wt/vol: 1 mL Dilution: 1

Instrument: 50MSS2 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

07/18/2014 8:51

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 11:19
Date Analyzed: 06/26/2014 01:00
Initial wt/vol: 30 g Final wt/vol: 1 mL Dilution: 1

Contract: Sibley - Accucast
Matrix: Solid SDG No.: 5099627
Lab Sample ID: 1117083
Lab File ID: 062514.B\1117083B.D
Instrument: 50MSS2 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.

Semivolatiles REPORT SW-846 Method 8270/EPA 625

Data file : \\192.168.50.6\chem\50MSS2.i\062514.b\1117083b.d
 Lab Smp Id: 1117083 Client Smp ID: MB
 Inj Date : 26-JUN-2014 01:00
 Operator : SN Inst ID: 50MSS2.i
 Smp Info : 1117083
 Misc Info : 15575
 Comment :
 Method : \\192.168.50.6\chem\50MSS2.i\062514.b\8270c.m
 Meth Date : 26-Jun-2014 10:12 50MSS2.i Quant Type: ISTD
 Cal Date : 09-JUN-2014 14:49 Cal File: 100ppm.d
 Als bottle: 34 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)	(ug/Kg)
\$ 3 2-Fluorophenol (S)	112	3.401	3.389	(0.723)	266331	72.7189	2424
\$ 6 Phenol-d5 (S)	99	4.401	4.395	(0.936)	349938	75.6782	2523
* 11 1,4-Dichlorobenzene-d4 (IS)	152	4.701	4.695	(1.000)	128750	40.0000	(Q)
\$ 23 Nitrobenzene-d5 (S)	82	5.448	5.442	(0.822)	269164	68.0134	2267
* 32 Naphthalene-d8 (IS)	136	6.624	6.618	(1.000)	516962	40.0000	
\$ 46 2-Fluorobiphenyl (S)	172	9.012	9.012	(0.904)	715054	66.0556	2202
* 53 Acenaphthene-d10 (IS)	164	9.971	9.965	(1.000)	320948	40.0000	
\$ 67 2,4,6-Tribromophenol (S)	330	10.959	10.959	(0.938)	183880	77.7719	2592
* 72 Phenanthrene-d10 (IS)	188	11.683	11.683	(1.000)	637820	40.0000	
\$ 80 p-Terphenyl-d14 (S)	244	13.353	13.347	(1.143)	1261689	96.3331	3211
* 84 Chrysene-d12 (IS)	240	14.500	14.500	(1.000)	856189	40.0000	
* 91 Perylene-d12 (IS)	264	16.118	16.118	(1.000)	808650	40.0000	

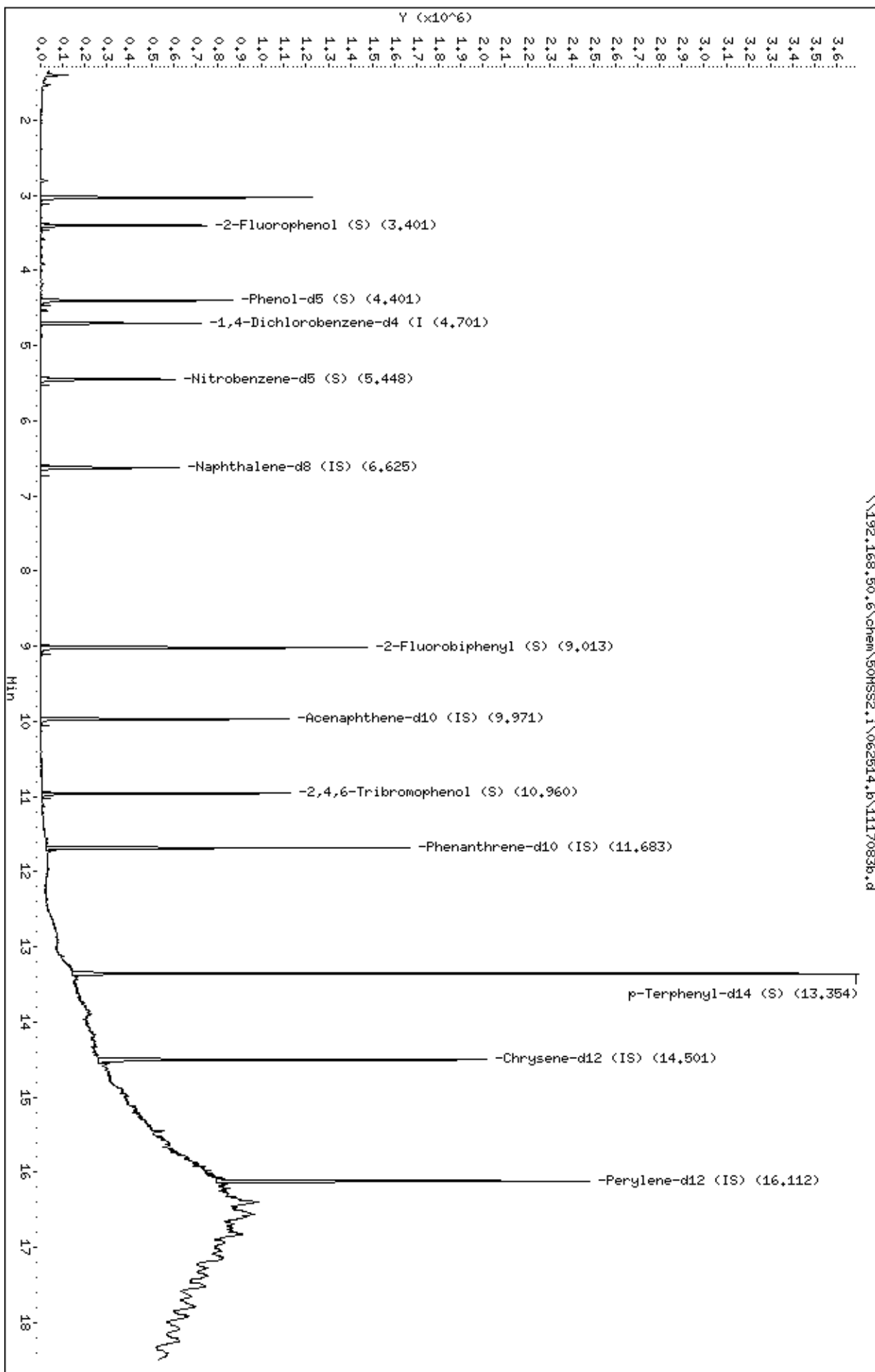
QC Flag Legend

Q - Qualifier signal failed the ratio test.

Sample Info: 1117083
Volume Injected (uL): 1.0
Column phase: 50um DB-5ms

Operator: SN
Column diameter: 0.25

\\192.168.50.6\chem\50HSS2.1\062514.B\1117083b.d



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: 06/23/2014 12:26
Date Analyzed: 06/23/2014 17:09
Initial wt/vol: 30 g Final wt/vol: 1 mL Dilution: 1

Contract: Sibley - Accucast
Matrix: Solid SDG No.: 5099627
Lab Sample ID: 1115929
Lab File ID: 062314.B\1115929L.D
Instrument: 50MSS2 Percent Moisture: _____

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
83-32-9	Acenaphthene	2560	
208-96-8	Acenaphthylene	2530	
120-12-7	Anthracene	2750	
56-55-3	Benzo(a)anthracene	2740	
50-32-8	Benzo(a)pyrene	2810	
205-99-2	Benzo(b)fluoranthene	2740	
191-24-2	Benzo(g,h,i)perylene	2730	
207-08-9	Benzo(k)fluoranthene	2630	
59-50-7	4-Chloro-3-methylphenol	2570	
95-57-8	2-Chlorophenol	2460	
218-01-9	Chrysene	2810	
53-70-3	Dibenz(a,h)anthracene	2780	
121-14-2	2,4-Dinitrotoluene	2640	
206-44-0	Fluoranthene	2780	
86-73-7	Fluorene	2650	
193-39-5	Indeno(1,2,3-cd)pyrene	2720	
91-57-6	2-Methylnaphthalene	2460	
91-20-3	Naphthalene	2350	
100-02-7	4-Nitrophenol	2350	
621-64-7	N-Nitroso-di-n-propylamine	2520	
87-86-5	Pentachlorophenol	2120	
85-01-8	Phenanthrene	2700	
108-95-2	Phenol	2510	
129-00-0	Pyrene	2790	

Pace Analytical Services, Inc.

Semivolatile REPORT SW-846 Method 8270/EPA 625

Data file : \\192.168.50.6\chem\50MSS2.i\062314.b\11159291.d
 Lab Smp Id: 1115929 Client Smp ID: MBLCS
 Inj Date : 23-JUN-2014 17:09
 Operator : SN Inst ID: 50MSS2.i
 Smp Info : 1115929
 Misc Info : 15562
 Comment :
 Method : \\192.168.50.6\chem\50MSS2.i\062314.b\8270c.m
 Meth Date : 24-Jun-2014 08:57 50MSS2.i Quant Type: ISTD
 Cal Date : 09-JUN-2014 14:49 Cal File: 100ppm.d
 Als bottle: 5 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

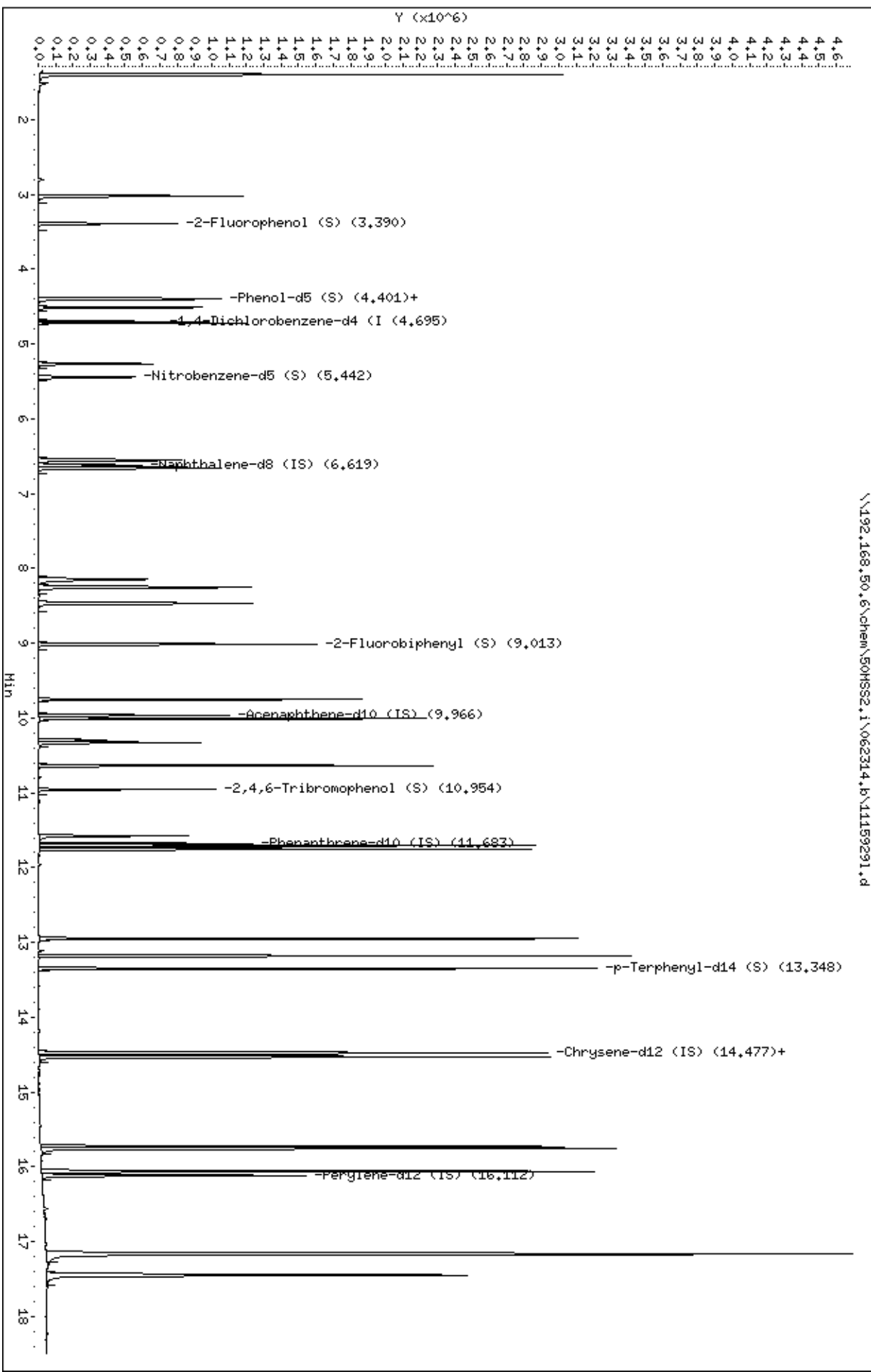
Compounds	QUANT	SIG	MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
								ON-COLUMN (ug/ml)	FINAL (ug/Kg)
\$ 3 2-Fluorophenol (S)	112			3.389	3.389	(0.722)	256355	74.4075	2480
\$ 6 Phenol-d5 (S)	99			4.389	4.389	(0.935)	328499	75.5202	2517
7 Phenol	94			4.401	4.407	(0.937)	344999	75.2899	2510
9 2-Chlorophenol	128			4.507	4.513	(0.960)	301407	73.7589	2459
* 11 1,4-Dichlorobenzene-d4 (IS)	152			4.695	4.695	(1.000)	121115	40.0000	
12 1,4-Dichlorobenzene	146			4.713	4.713	(1.004)	319853	69.8825	2329
21 N-Nitroso-di-n-propylamine	70			5.265	5.271	(1.121)	183537	75.7501	2525
\$ 23 Nitrobenzene-d5 (S)	82			5.442	5.442	(0.822)	255433	70.1300	2338
31 1,2,4-Trichlorobenzene	180			6.548	6.554	(0.989)	289969	73.8852	2463
* 32 Naphthalene-d8 (IS)	136			6.618	6.618	(1.000)	475783	40.0000	
33 Naphthalene	128			6.660	6.660	(1.006)	865674	70.5710	2352
38 4-Chloro-3-methylphenol	107			8.142	8.154	(1.230)	255570	77.1468	2572
39 2-Methylnaphthalene	142			8.254	8.254	(1.247)	621410	73.7346	2458
41 1-Methylnaphthalene	142			8.465	8.465	(1.279)	548526	66.1834	2206
\$ 46 2-Fluorobiphenyl (S)	172			9.012	9.012	(0.904)	716889	75.8391	2528
51 Acenaphthylene	152			9.753	9.753	(0.979)	1016843	76.0253	2534
* 53 Acenaphthene-d10 (IS)	164			9.965	9.965	(1.000)	280262	40.0000	
55 Acenaphthene	153			10.006	10.012	(1.004)	638171	76.7293	2558
58 4-Nitrophenol	109			10.295	10.295	(1.033)	75105	70.5611	2352

Compounds	QUANT SIG MASS					CONCENTRATIONS	
		RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ug/ml)	FINAL (ug/Kg)
=====	=====	=====	=====	=====	=====	=====	=====
59 2,4-Dinitrotoluene	165	10.330	10.330	(1.037)	215925	79.2653	2642
61 Fluorene	166	10.636	10.642	(1.067)	743283	79.6255	2654
\$ 67 2,4,6-Tribromophenol (S)	330	10.953	10.959	(0.938)	157347	80.1256	2671
71 Pentachlorophenol	266	11.571	11.577	(0.990)	136585	63.6644	2122
* 72 Phenanthrene-d10 (IS)	188	11.683	11.683	(1.000)	529753	40.0000	
73 Phenanthrene	178	11.706	11.706	(1.002)	1150824	80.9672	2699
74 Anthracene	178	11.753	11.753	(1.006)	1178377	82.4154	2747
77 Fluoranthene	202	12.947	12.953	(1.108)	1349194	83.3649	2779
79 Pyrene	202	13.177	13.183	(1.128)	1419061	83.7257	2791
\$ 80 p-Terphenyl-d14 (S)	244	13.347	13.353	(1.142)	1062061	97.6331	3254
82 Benzo(a)anthracene	228	14.477	14.483	(0.999)	1439343	82.2394	2741
* 84 Chrysene-d12 (IS)	240	14.494	14.500	(1.000)	684696	40.0000	
85 Chrysene	228	14.530	14.535	(1.002)	1388584	84.4375	2814
88 Benzo(b)fluoranthene	252	15.730	15.730	(0.976)	1641136	82.0609	2735
89 Benzo(k)fluoranthene	252	15.753	15.759	(0.978)	1645822	78.9974	2633
90 Benzo(a)pyrene	252	16.059	16.059	(0.997)	1526134	84.3442	2811
* 91 Perylene-d12 (IS)	264	16.112	16.112	(1.000)	661045	40.0000	
92 Indeno(1,2,3-cd)pyrene	276	17.159	17.159	(1.065)	1926919	81.6653	2722
93 Dibenz(a,h)anthracene	278	17.165	17.165	(1.065)	1582212	83.4463	2782
94 Benzo(g,h,i)perylene	276	17.447	17.453	(1.083)	1631194	82.0467	2735

Data File: \\192.168.50.6\chem\50HSS2.1\062314.B\1159291.d
 Date: 23-JUN-2014 17:09
 Client ID: HBLCS
 Sample Info: 115929
 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\062314.B\1159291.d



Date : 23-JUN-2014 17:09

Client ID: MBLCS

Instrument: 50MSS2.i

Sample Info: 1115929

Volume Injected (uL): 1.0

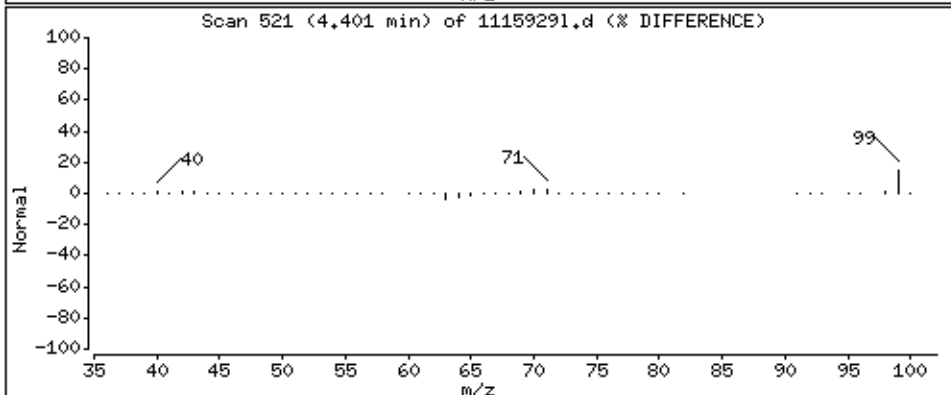
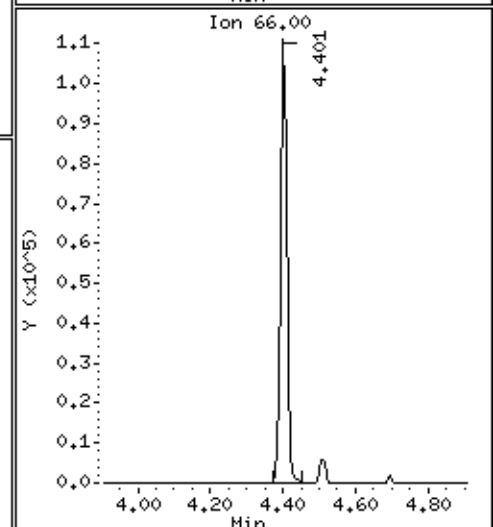
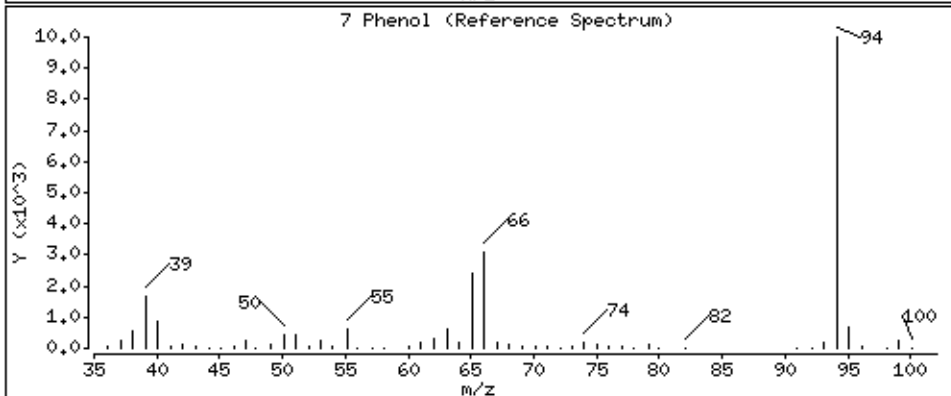
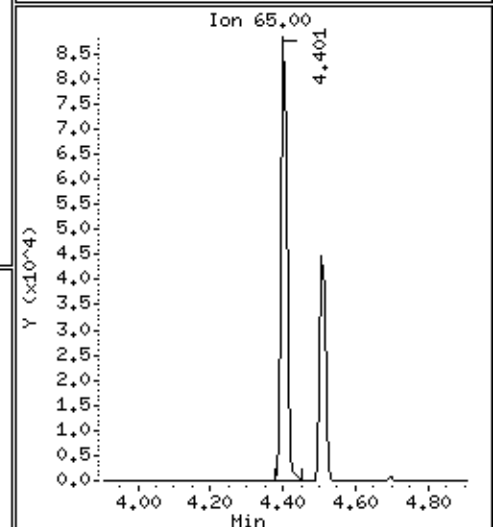
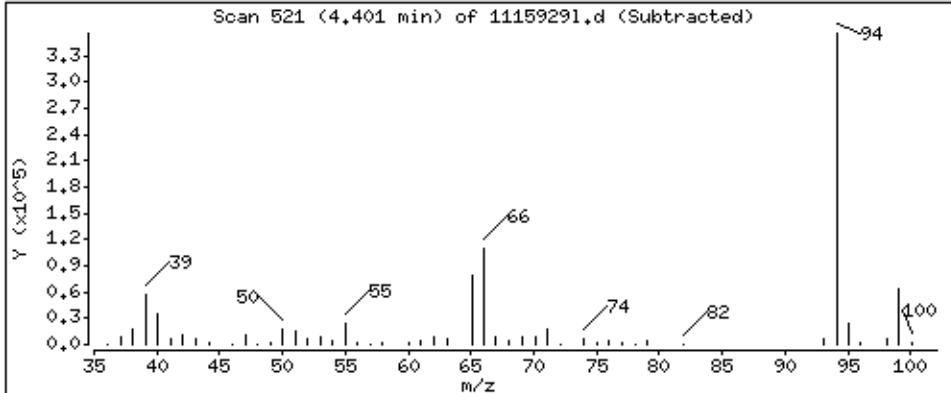
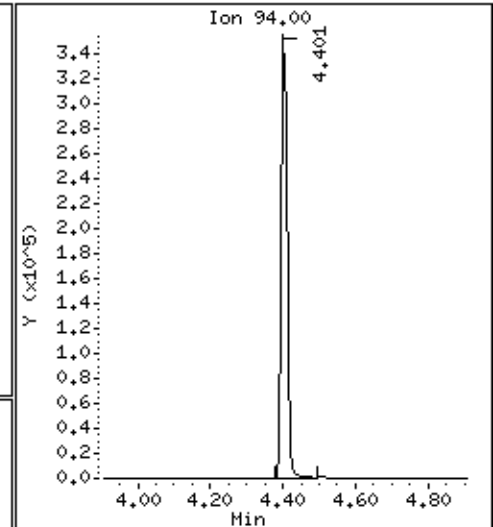
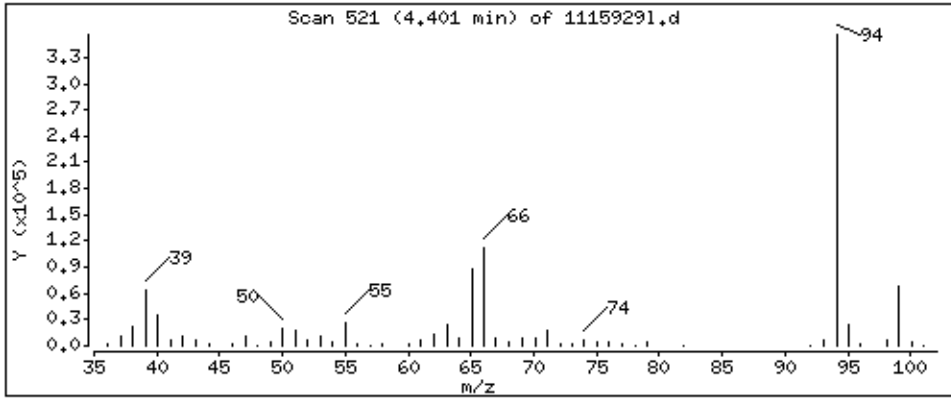
Operator: SN

Column phase: .50um DB-5ms

Column diameter: 0,25

7 Phenol

Concentration: 2510 ug/Kg



Date : 23-JUN-2014 17:09

Client ID: MBLCS

Instrument: 50MSS2.i

Sample Info: 1115929

Volume Injected (uL): 1.0

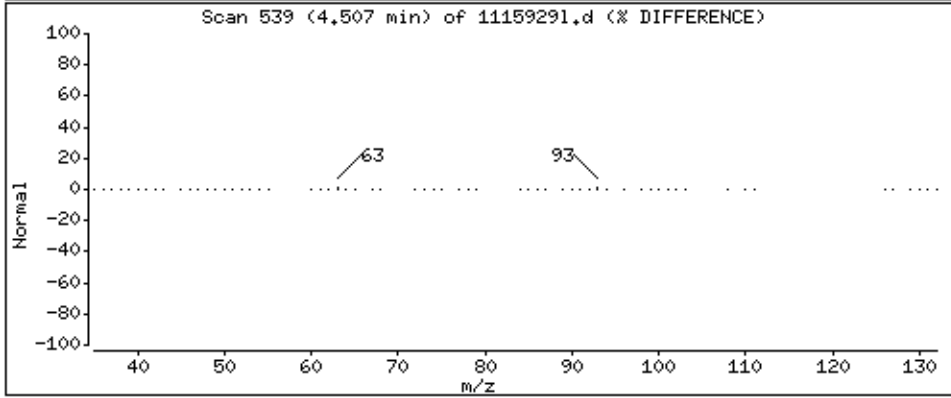
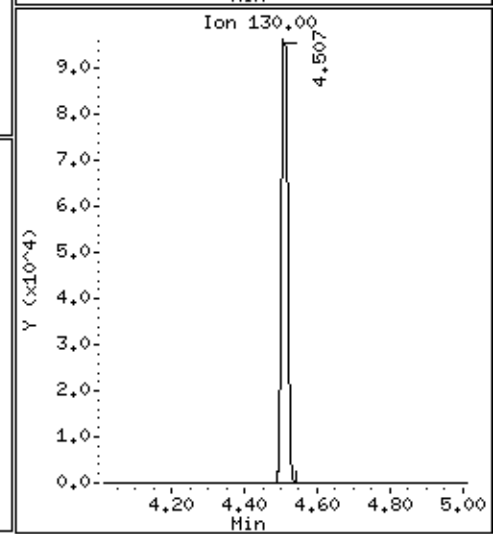
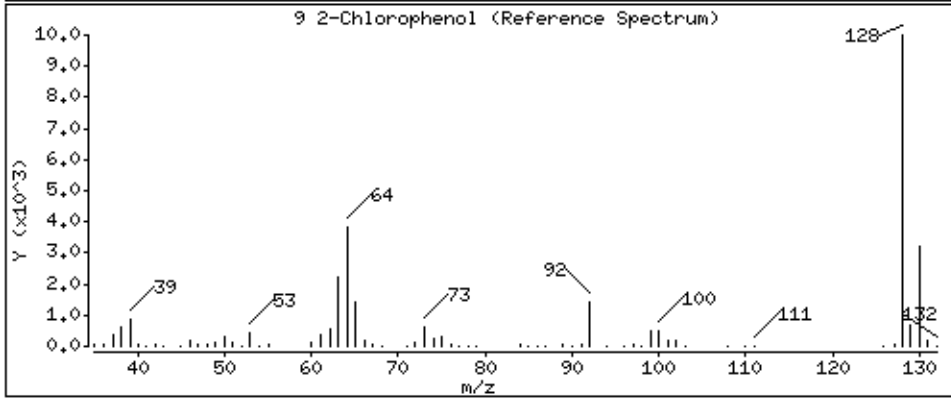
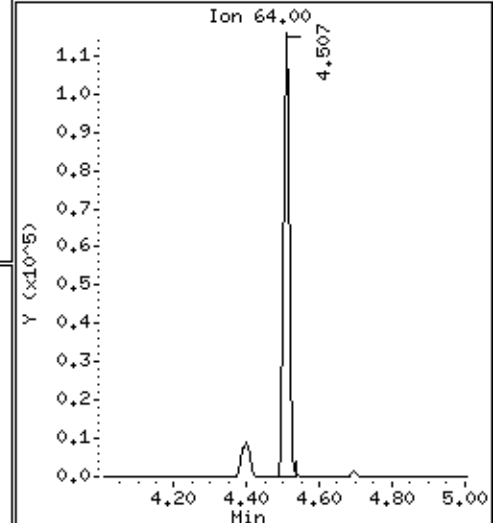
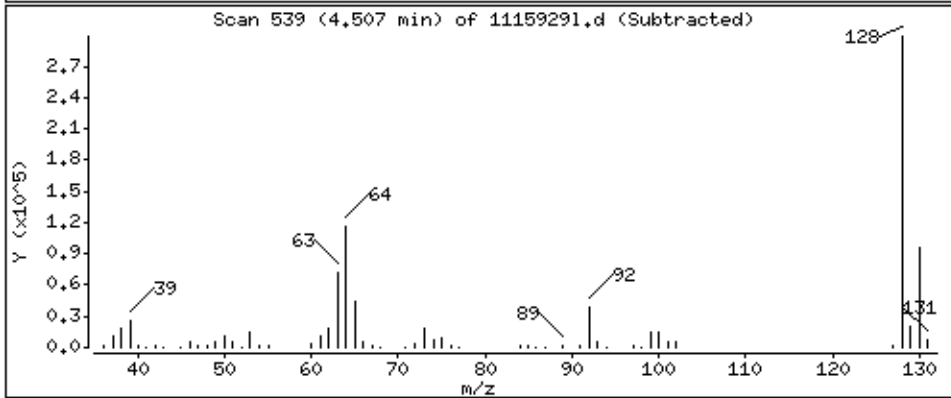
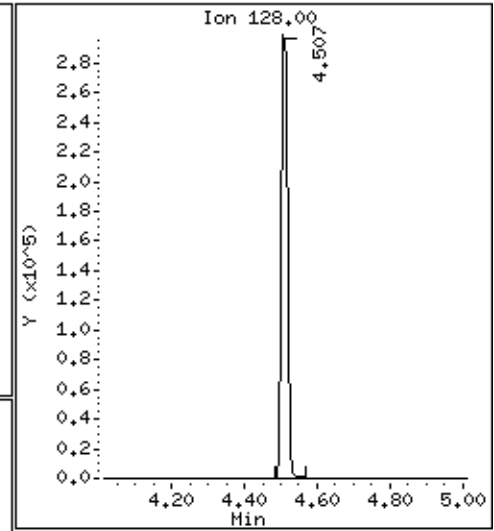
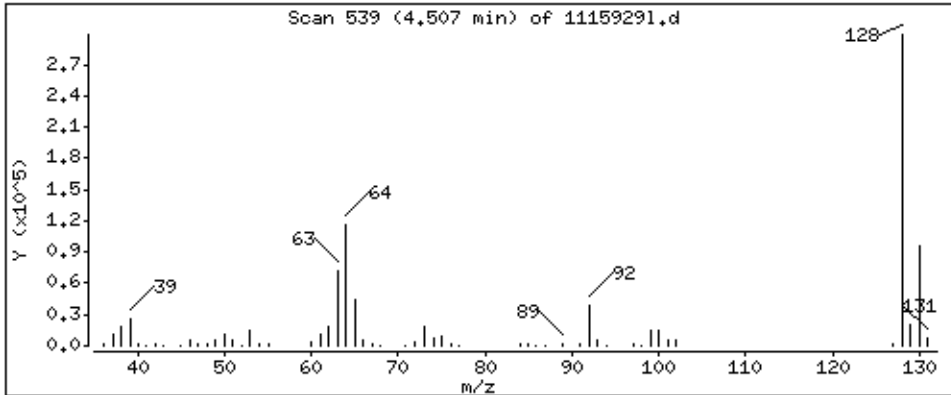
Operator: SN

Column phase: .50um DB-5ms

Column diameter: 0,25

9 2-Chlorophenol

Concentration: 2459 ug/Kg



Date : 23-JUN-2014 17:09

Client ID: MBLCS

Instrument: 50MSS2.i

Sample Info: 1115929

Volume Injected (uL): 1.0

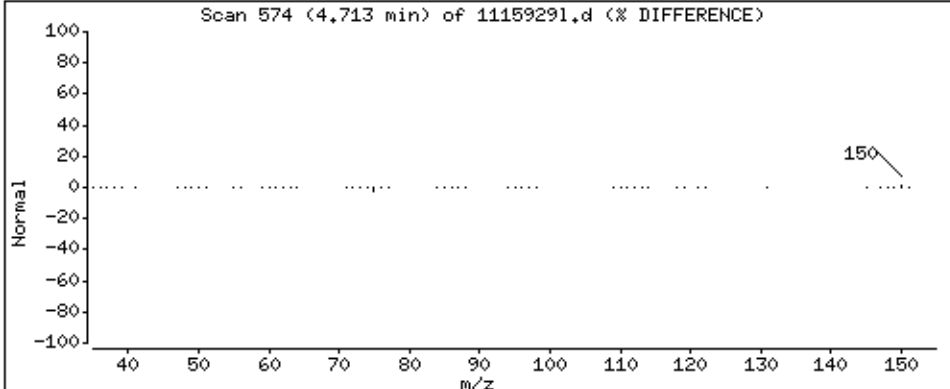
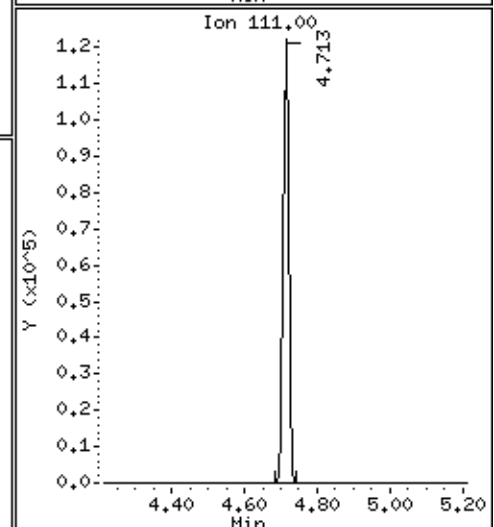
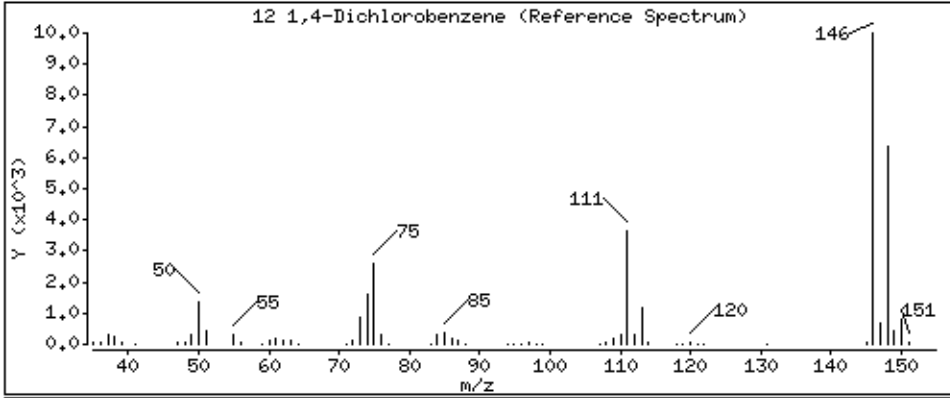
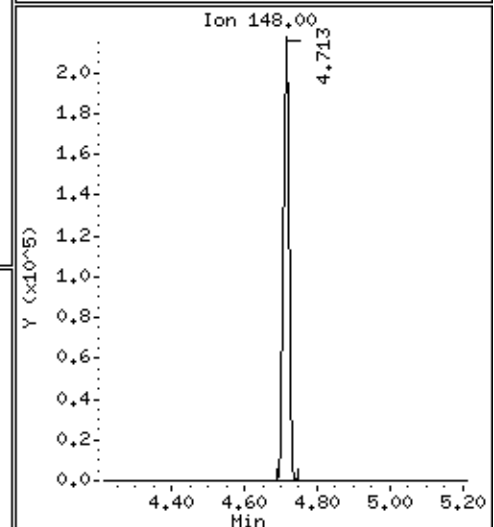
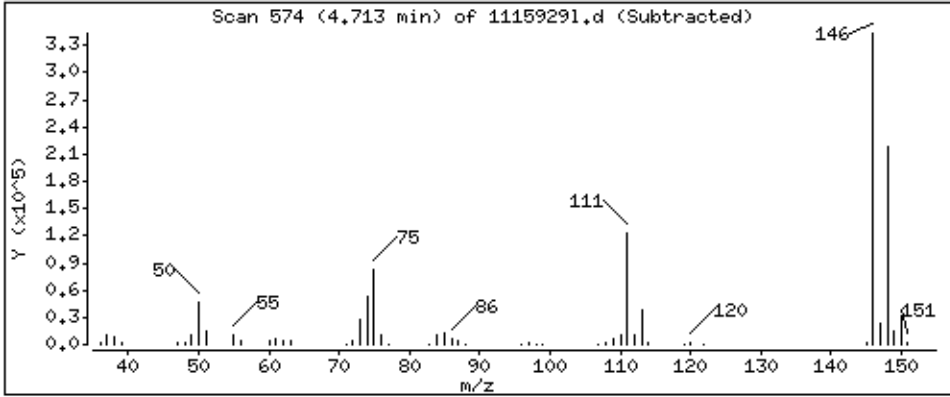
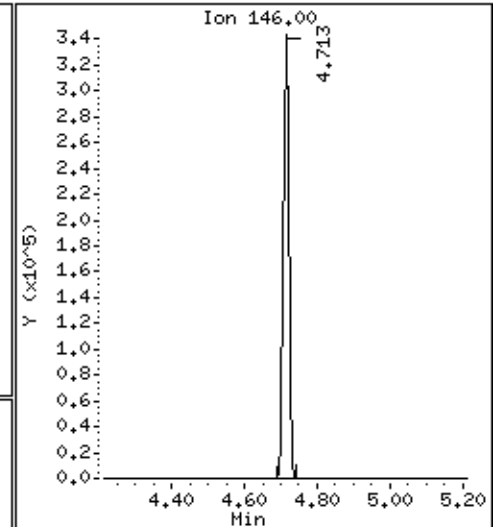
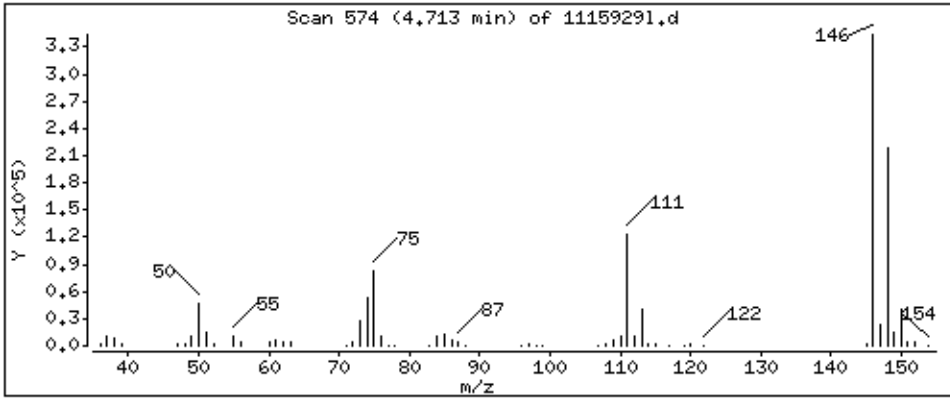
Operator: SN

Column phase: .50um DB-5ms

Column diameter: 0,25

12 1,4-Dichlorobenzene

Concentration: 2329 ug/Kg



Date : 23-JUN-2014 17:09

Client ID: MBLCS

Instrument: 50MSS2.i

Sample Info: 1115929

Volume Injected (uL): 1.0

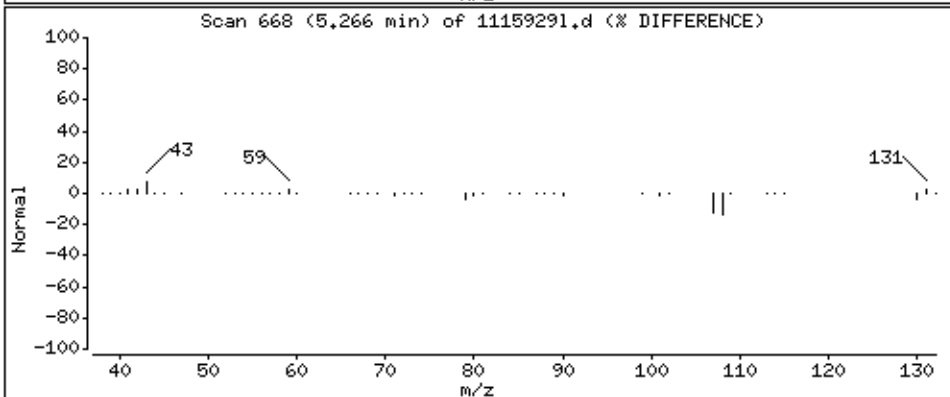
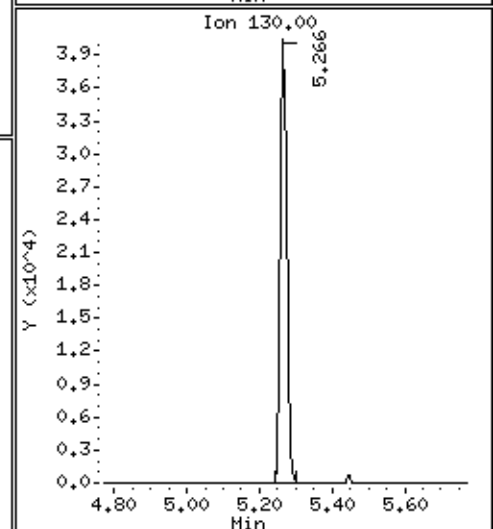
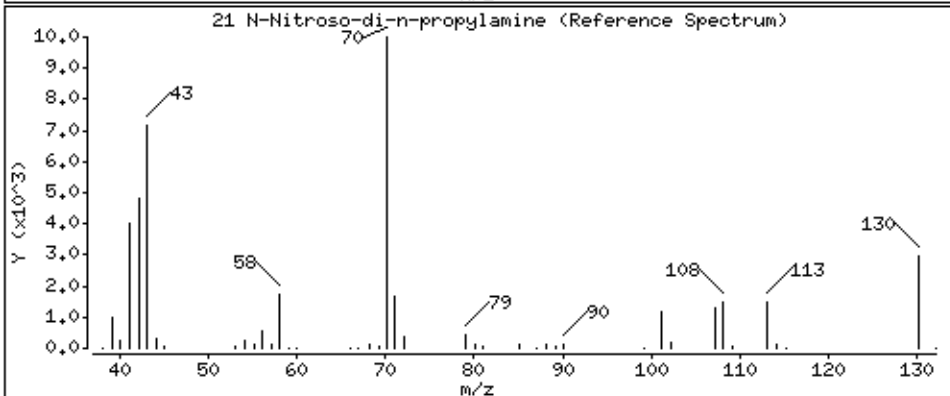
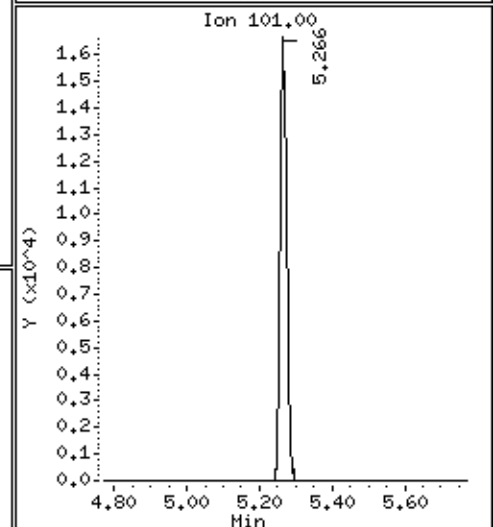
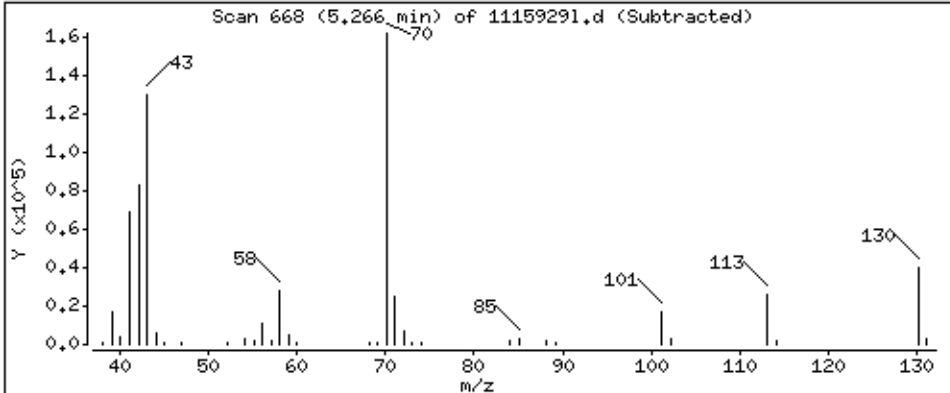
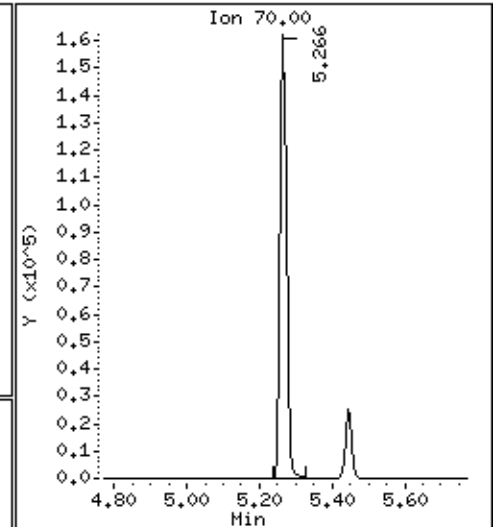
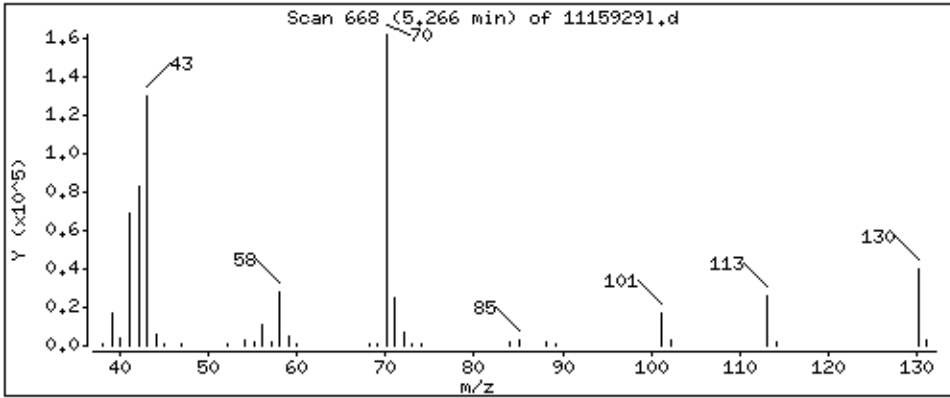
Operator: SN

Column phase: .50um DB-5ms

Column diameter: 0,25

21 N-Nitroso-di-n-propylamine

Concentration: 2525 ug/Kg



Date : 23-JUN-2014 17:09

Client ID: MBLCS

Instrument: 50MSS2.i

Sample Info: 1115929

Volume Injected (uL): 1.0

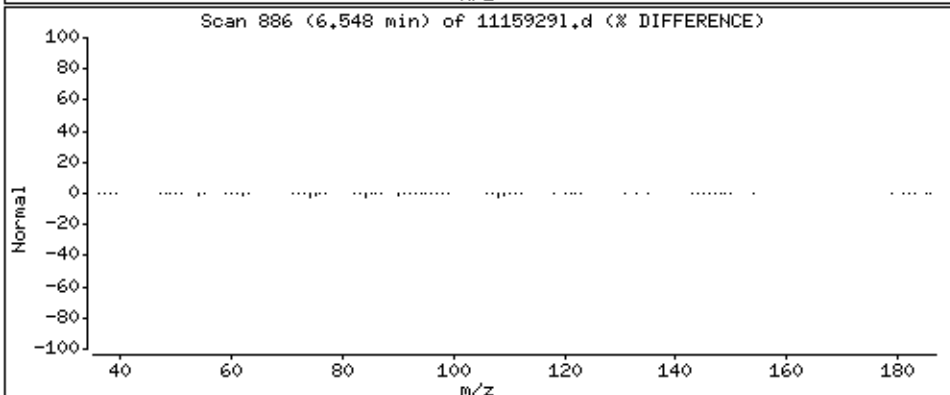
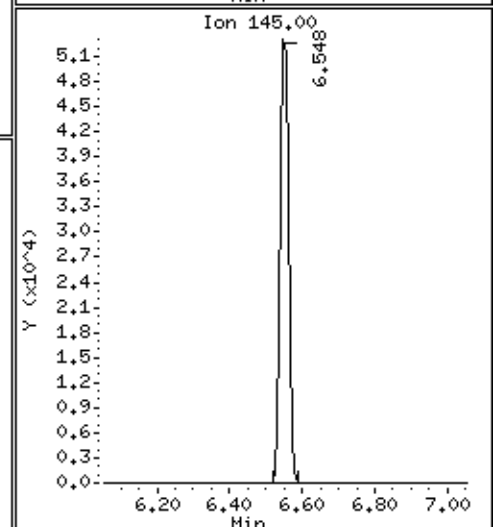
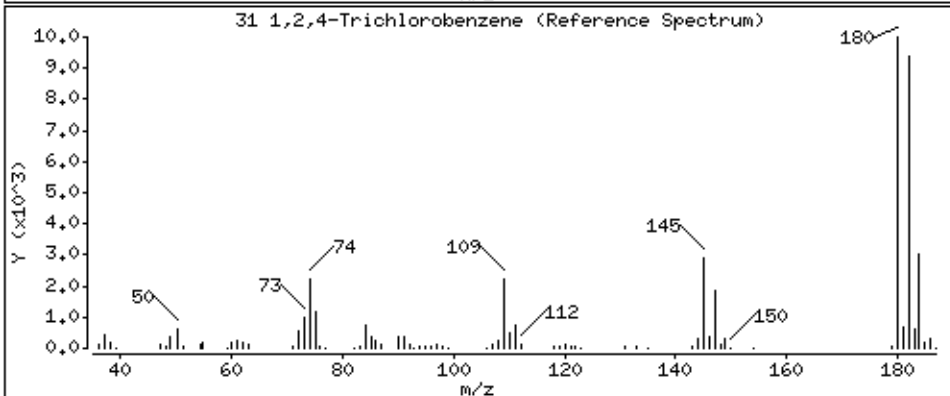
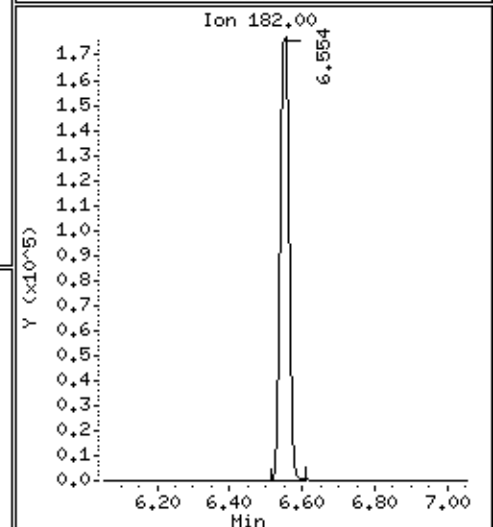
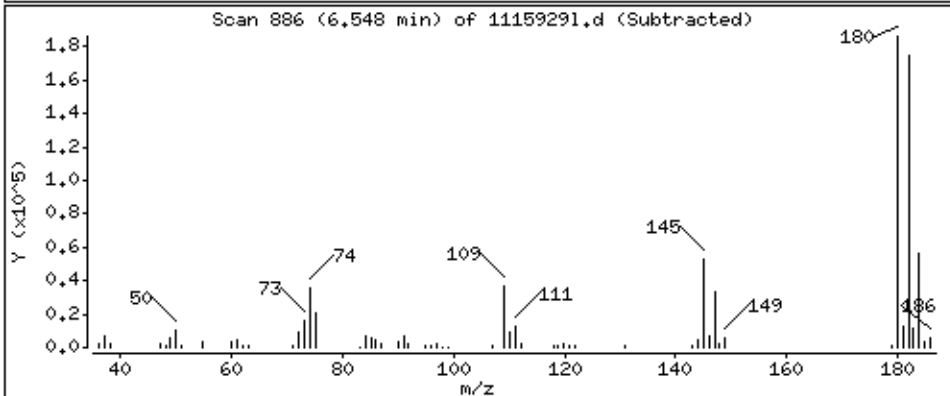
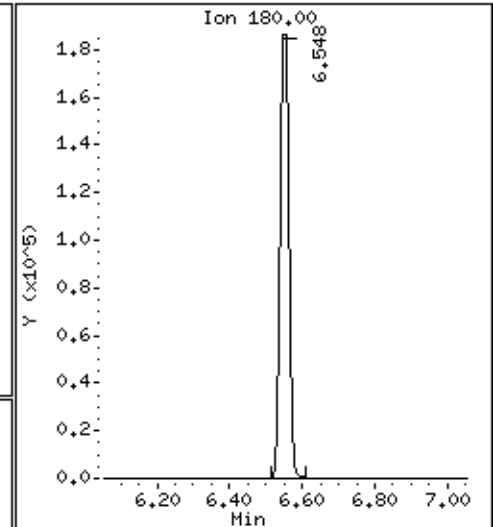
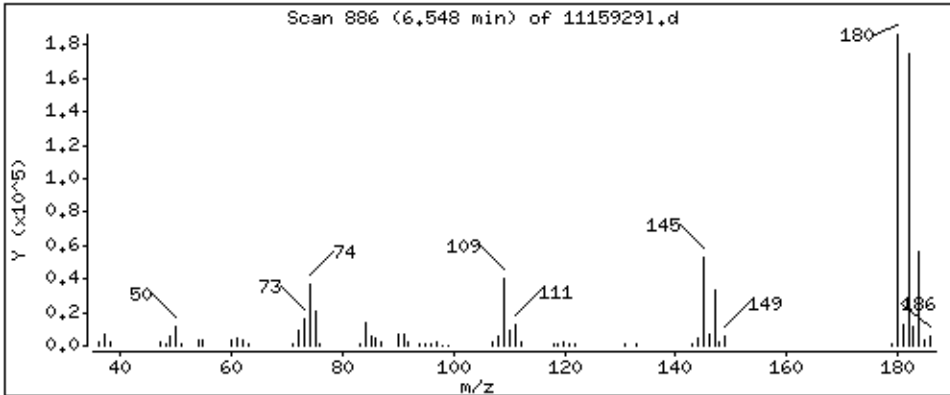
Operator: SN

Column phase: .50um DB-5ms

Column diameter: 0,25

31 1,2,4-Trichlorobenzene

Concentration: 2463 ug/Kg



Date : 23-JUN-2014 17:09

Client ID: MBLCS

Instrument: 50MSS2.i

Sample Info: 1115929

Volume Injected (uL): 1.0

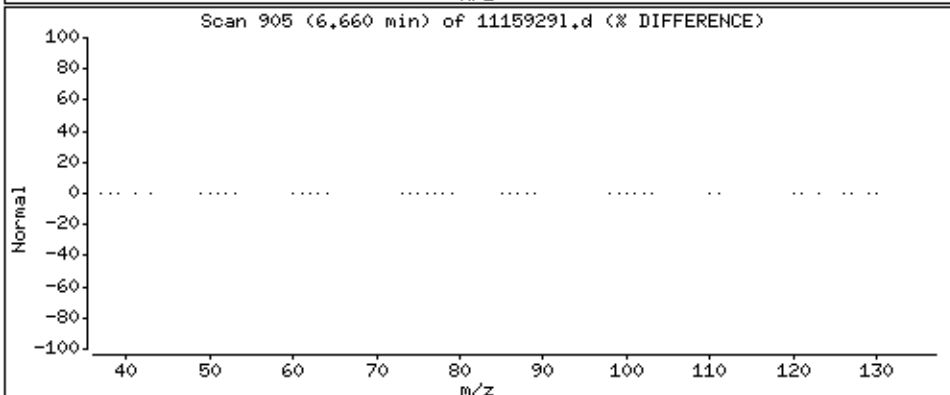
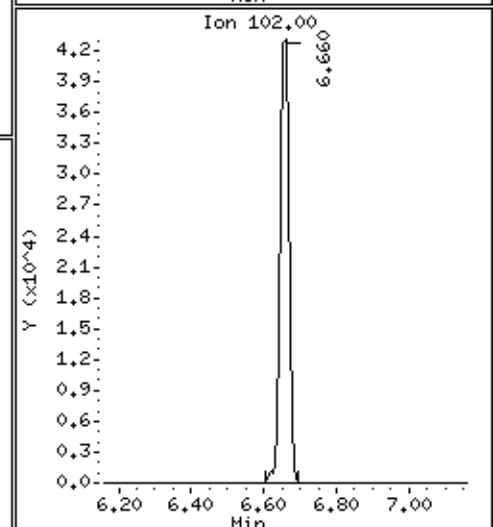
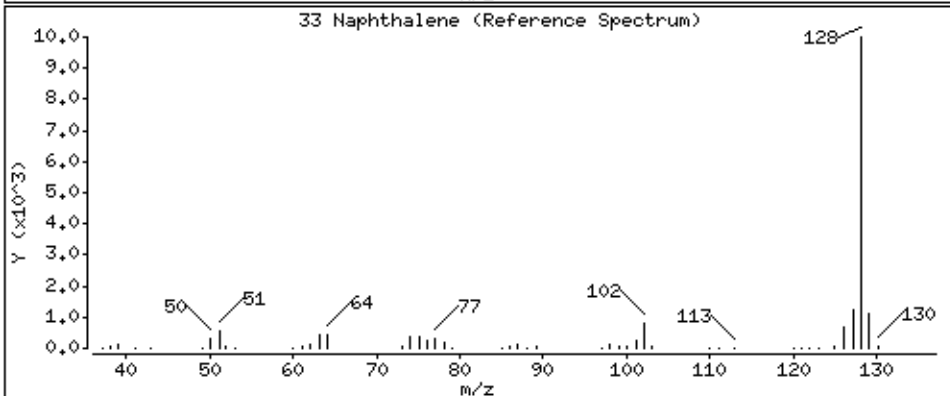
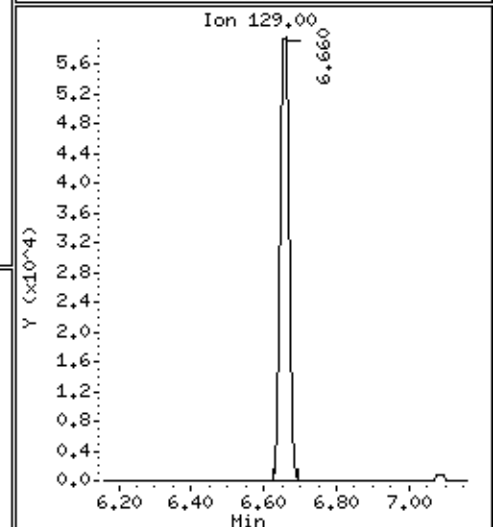
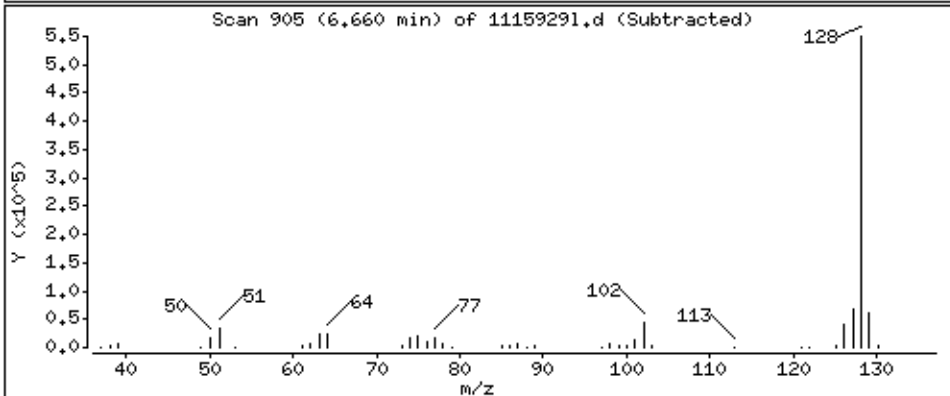
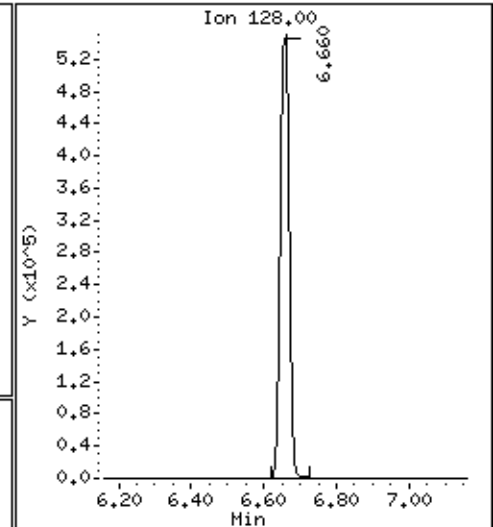
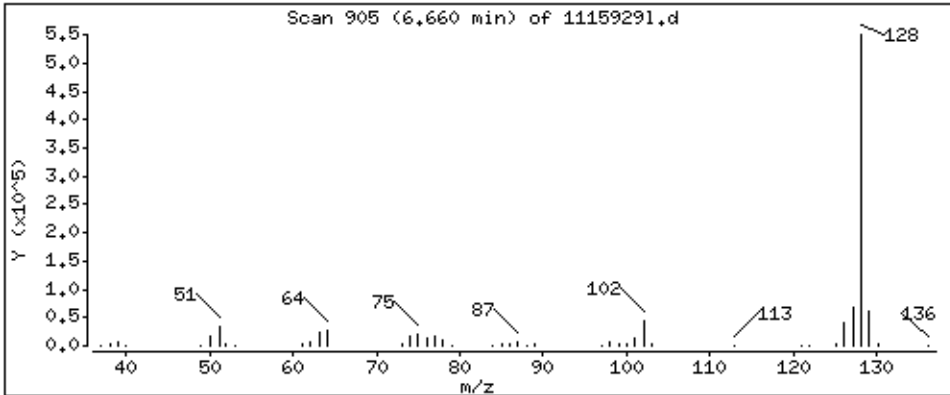
Operator: SN

Column phase: .50um DB-5ms

Column diameter: 0,25

33 Naphthalene

Concentration: 2352 ug/Kg



Date : 23-JUN-2014 17:09

Client ID: MBLCS

Instrument: 50MSS2.i

Sample Info: 1115929

Volume Injected (uL): 1.0

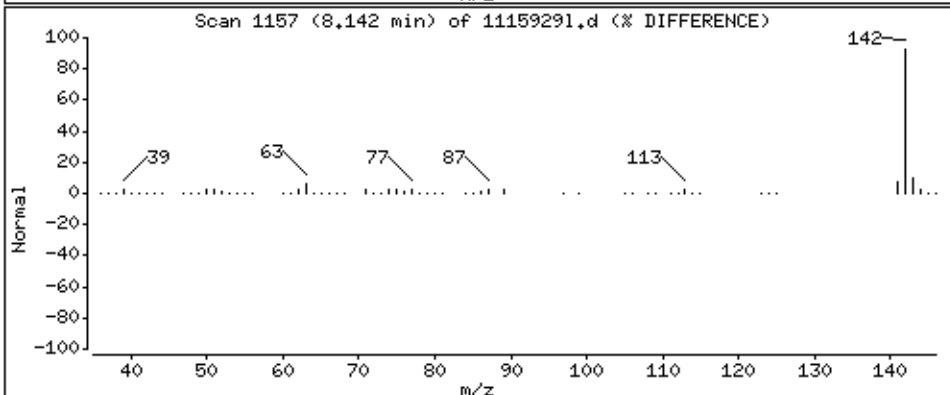
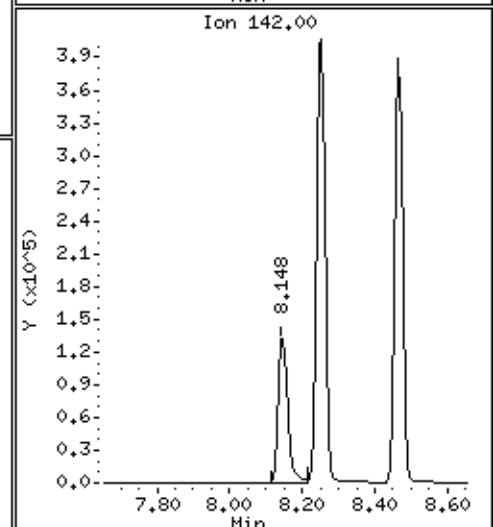
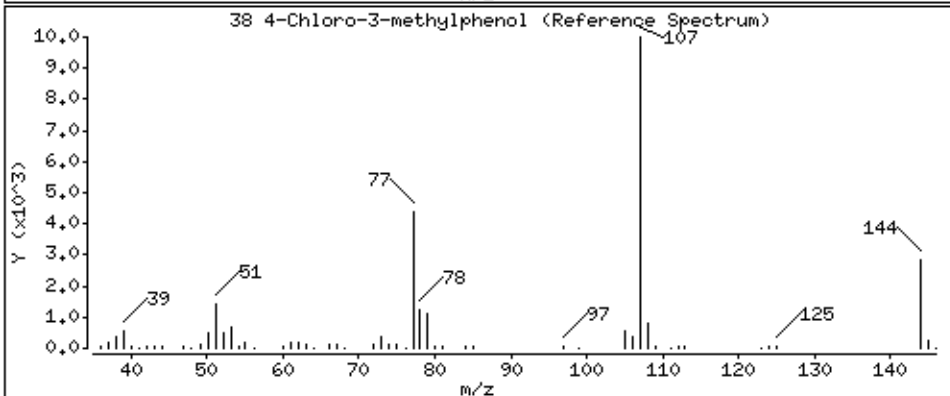
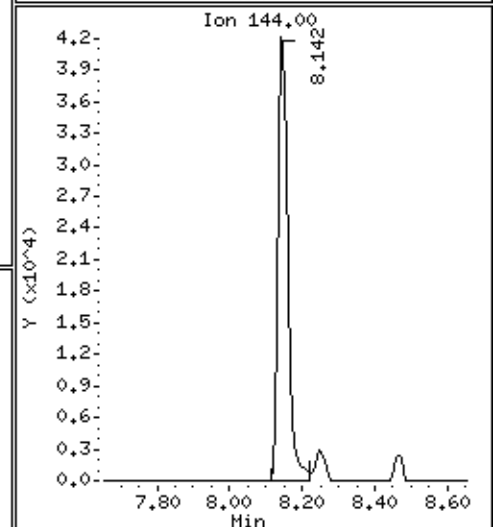
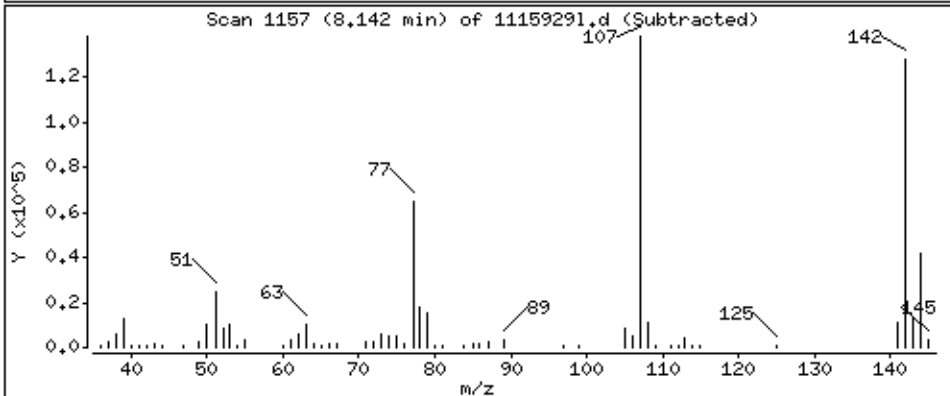
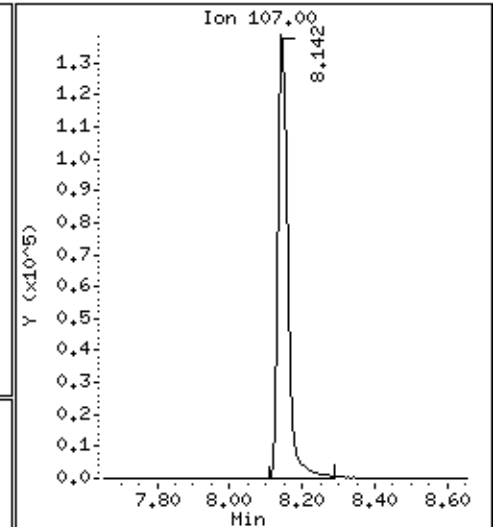
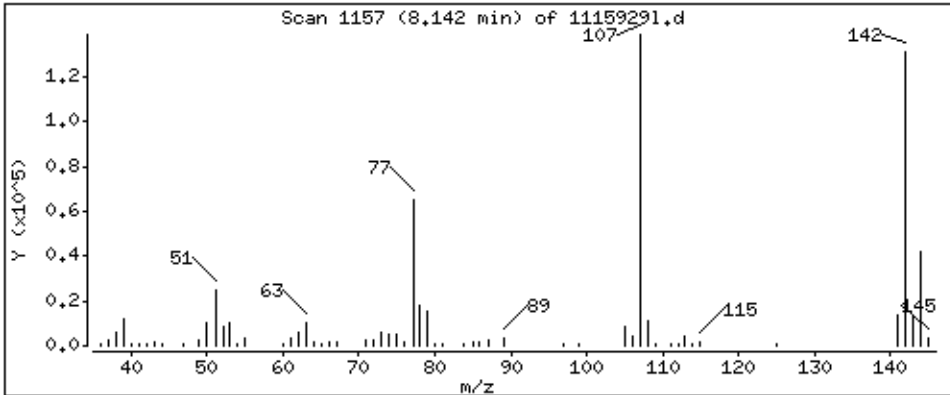
Operator: SN

Column phase: .50um DB-5ms

Column diameter: 0,25

38 4-Chloro-3-methylphenol

Concentration: 2572 ug/Kg



Date : 23-JUN-2014 17:09

Client ID: MBLCS

Instrument: 50MSS2.i

Sample Info: 1115929

Volume Injected (uL): 1.0

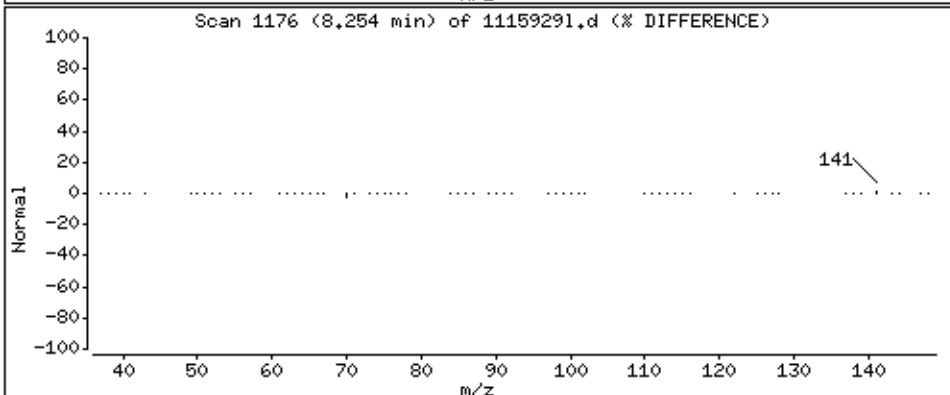
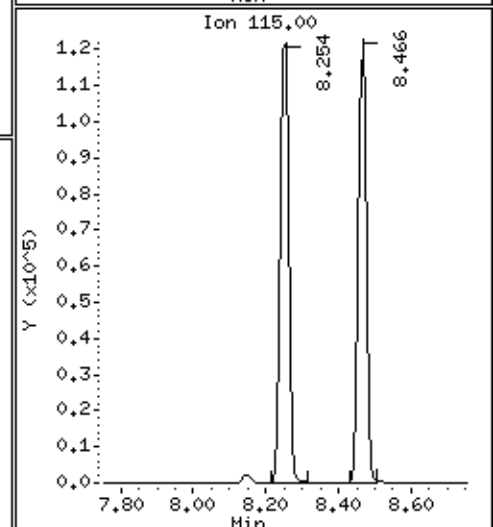
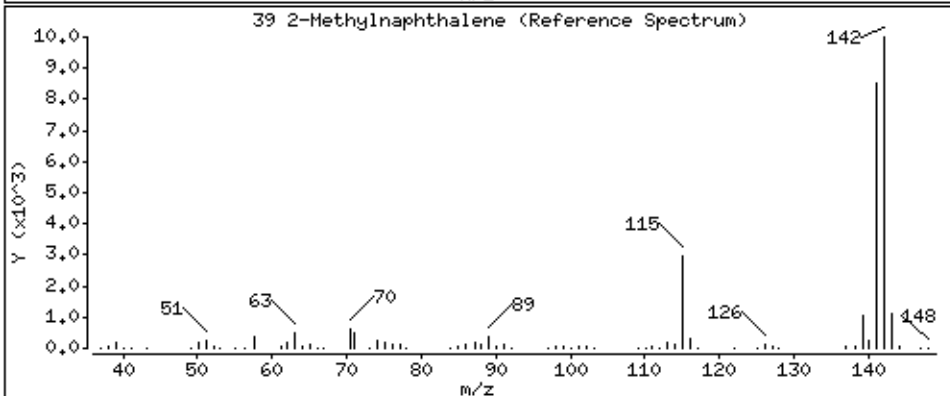
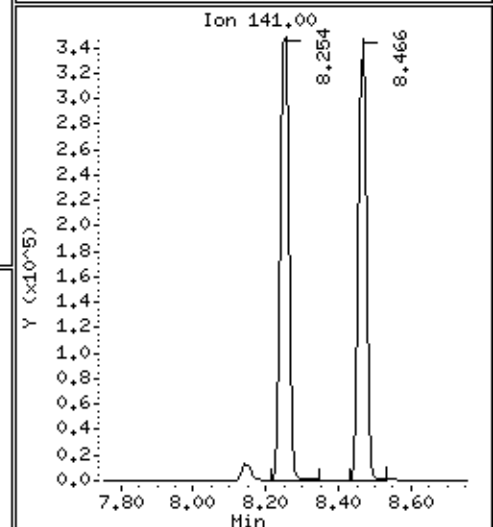
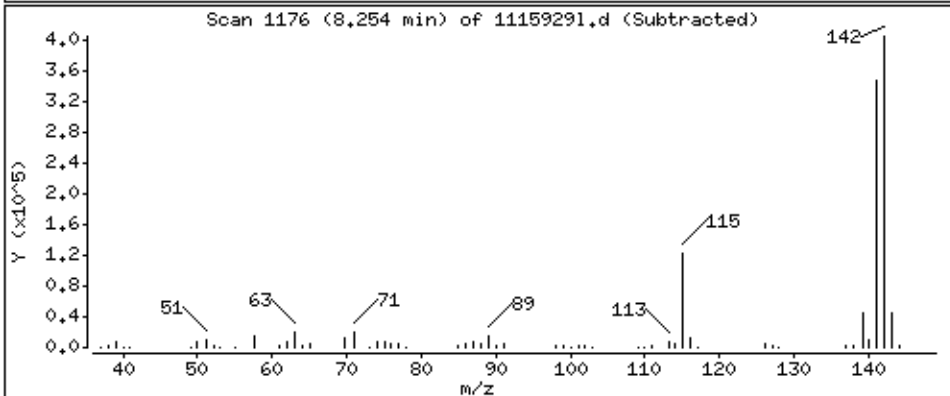
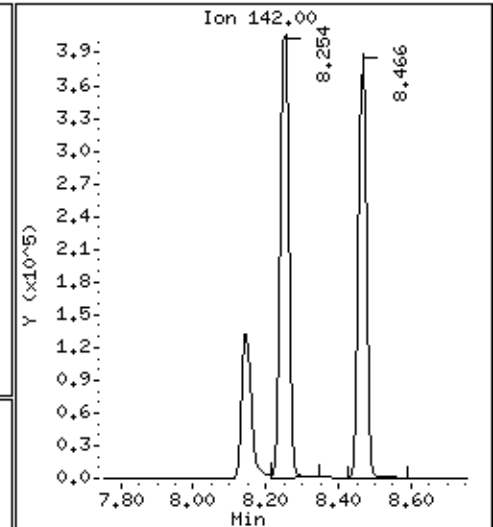
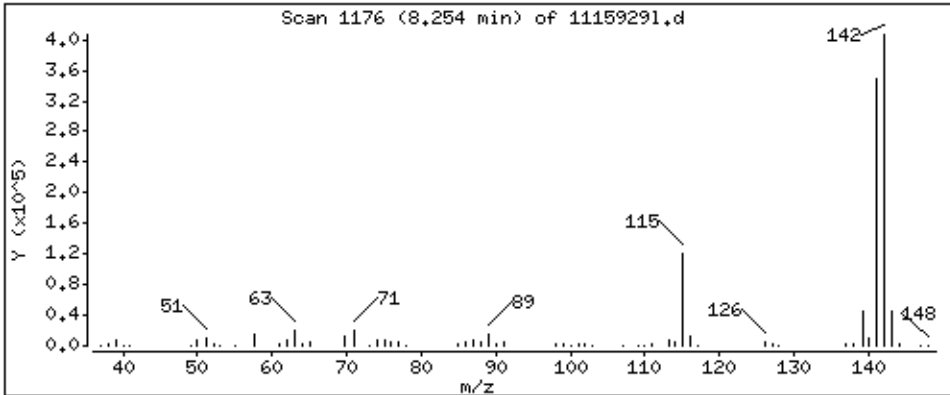
Operator: SN

Column phase: .50um DB-5ms

Column diameter: 0,25

39 2-Methylnaphthalene

Concentration: 2458 ug/Kg



Date : 23-JUN-2014 17:09

Client ID: MBLCS

Instrument: 50MSS2.i

Sample Info: 1115929

Volume Injected (uL): 1.0

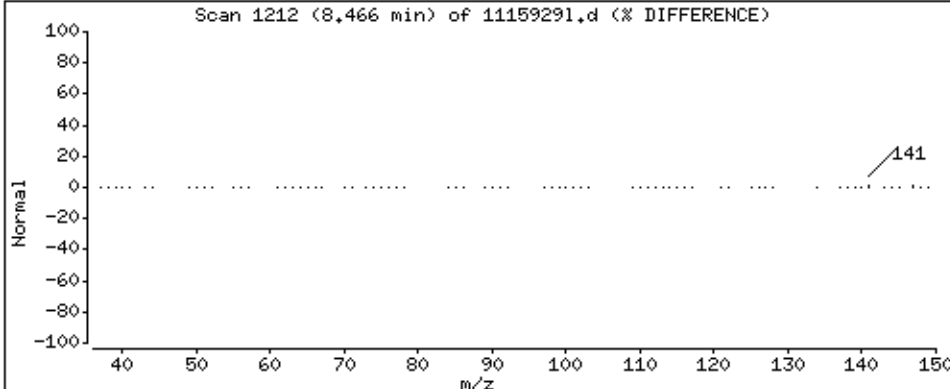
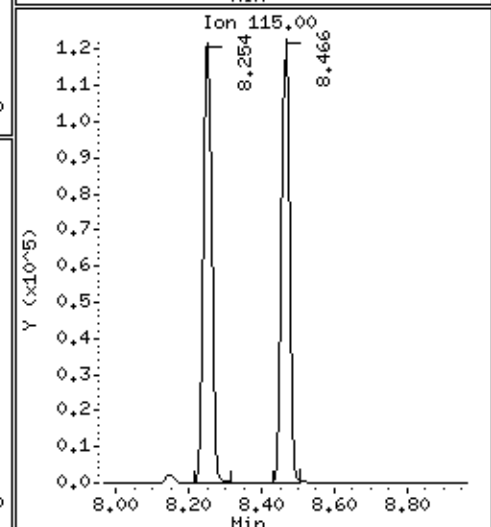
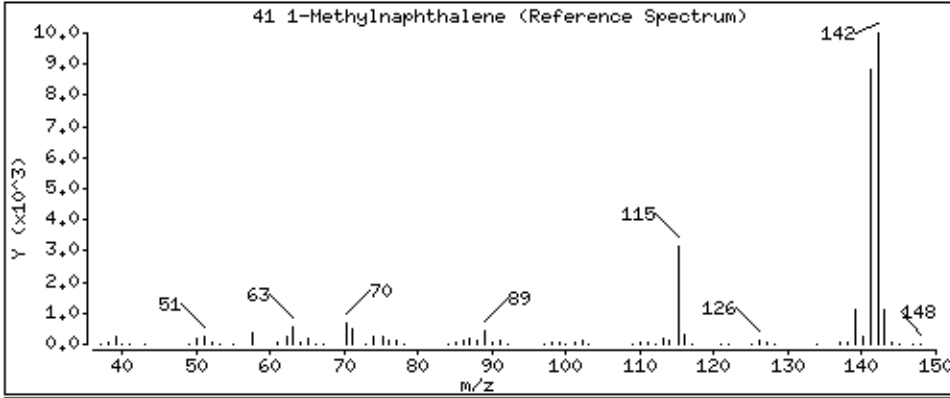
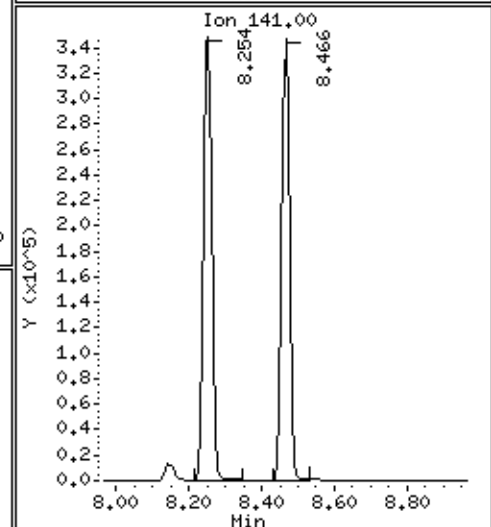
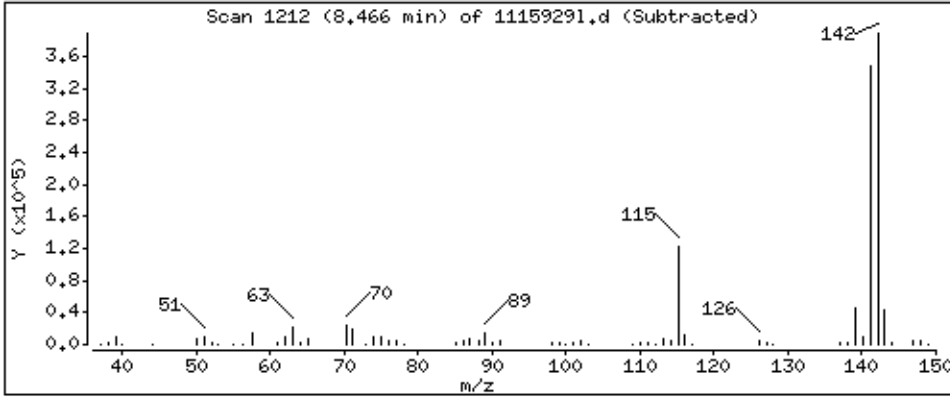
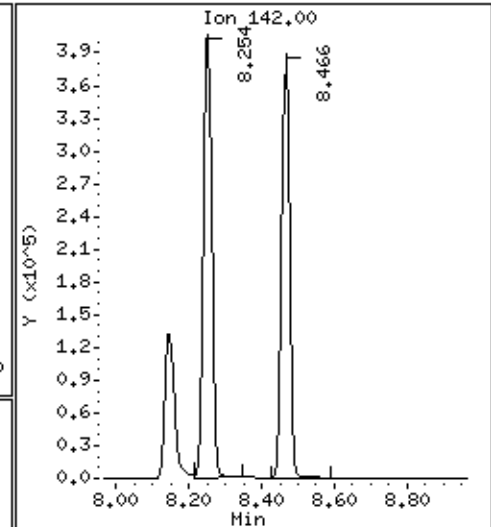
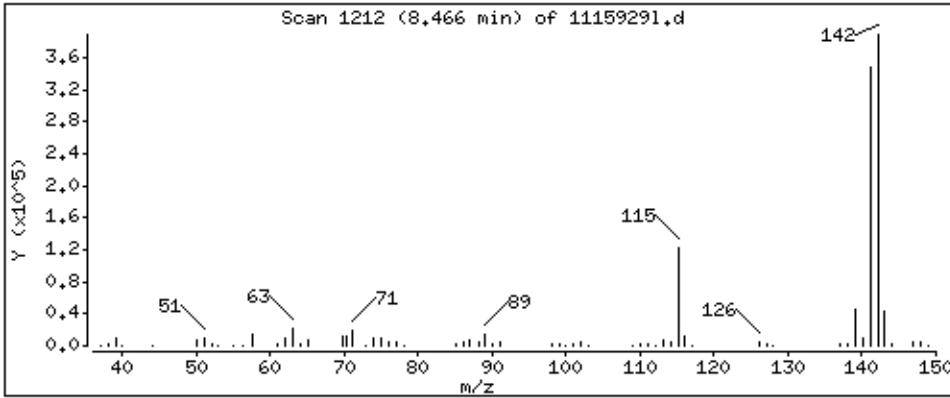
Operator: SN

Column phase: .50um DB-5ms

Column diameter: 0,25

41 1-Methylnaphthalene

Concentration: 2206 ug/Kg



Date : 23-JUN-2014 17:09

Client ID: MBLCS

Instrument: 50MSS2.i

Sample Info: 1115929

Volume Injected (uL): 1.0

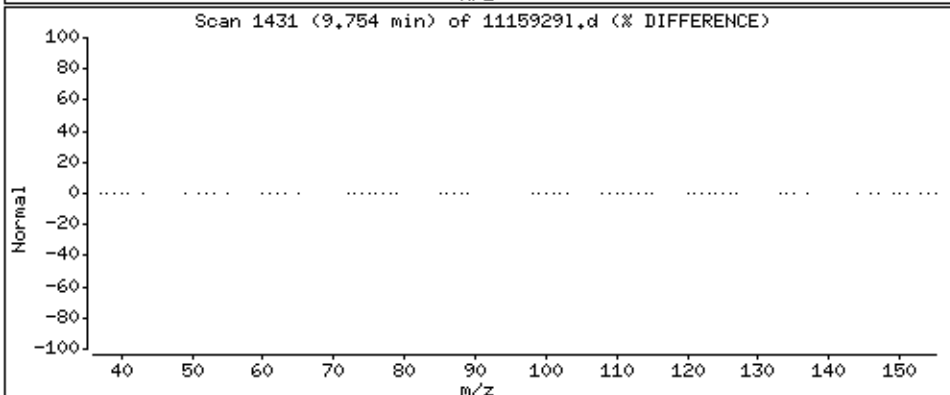
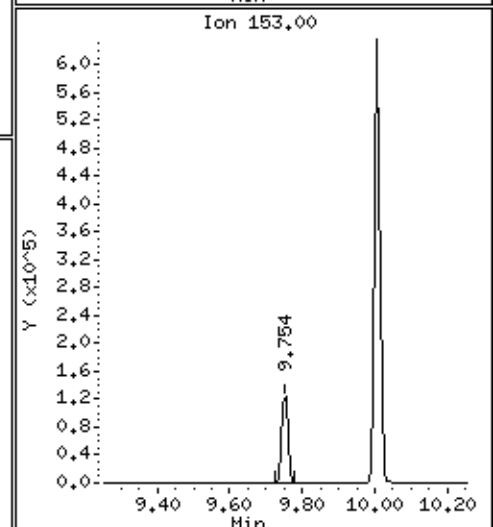
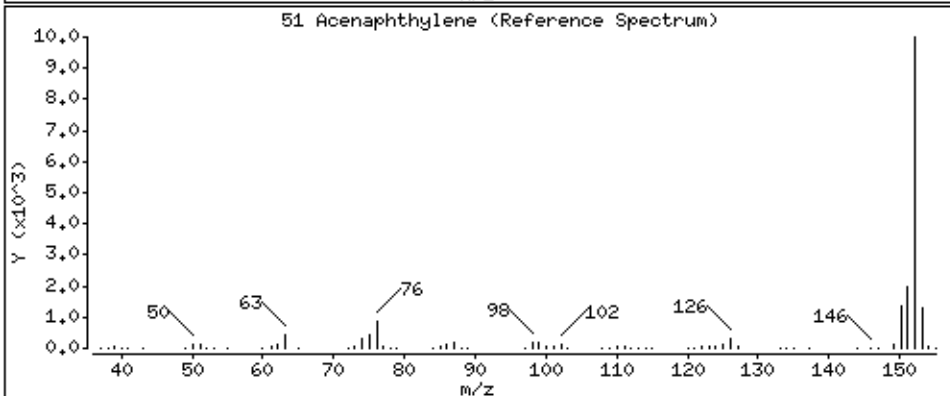
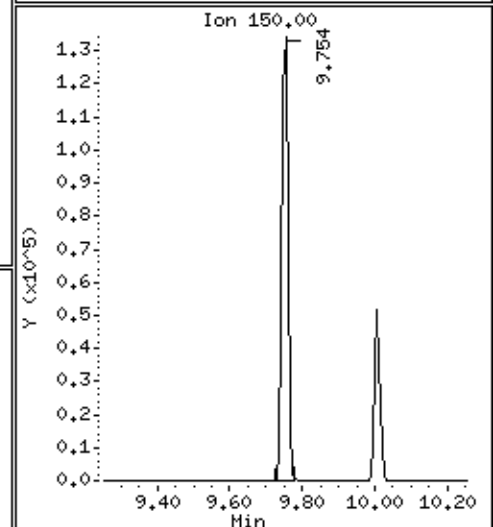
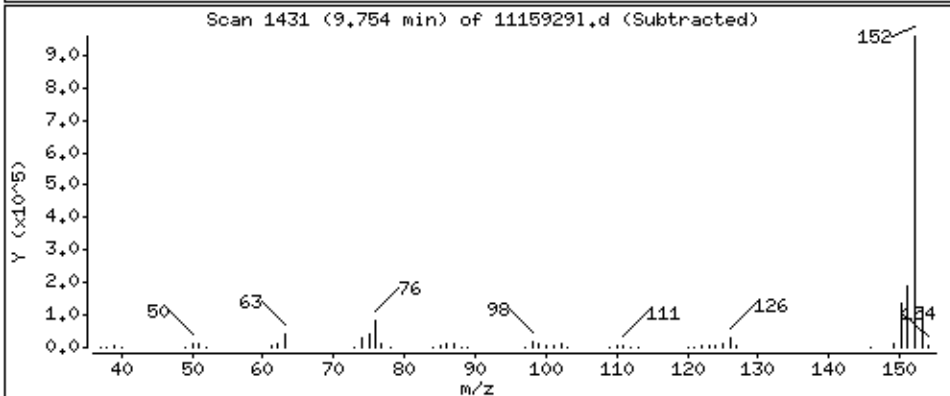
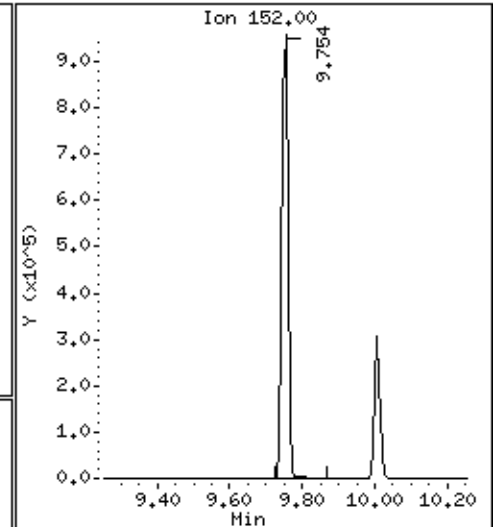
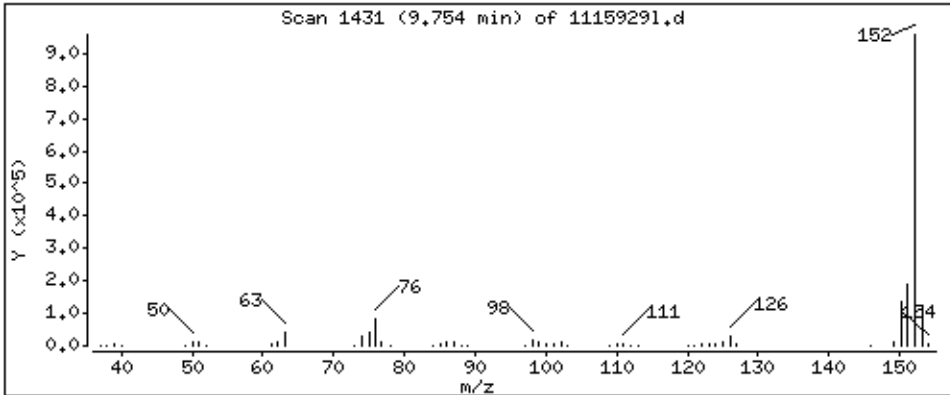
Operator: SN

Column phase: .50um DB-5ms

Column diameter: 0,25

51 Acenaphthylene

Concentration: 2534 ug/Kg



Date : 23-JUN-2014 17:09

Client ID: MBLCS

Instrument: 50MSS2.i

Sample Info: 1115929

Volume Injected (uL): 1.0

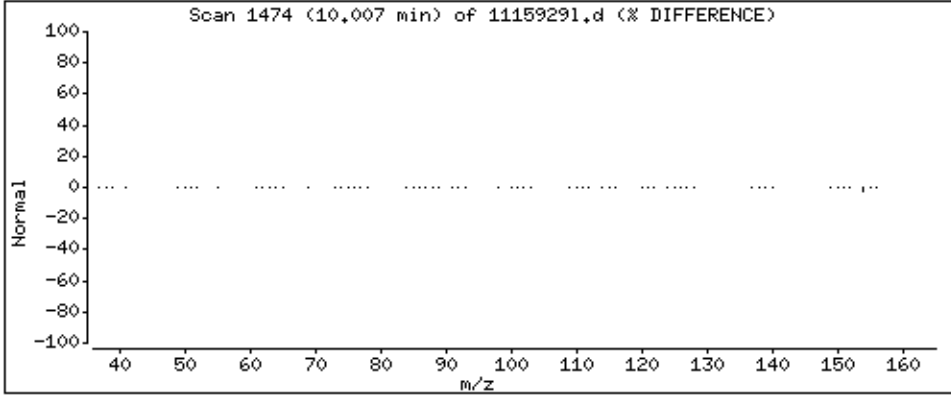
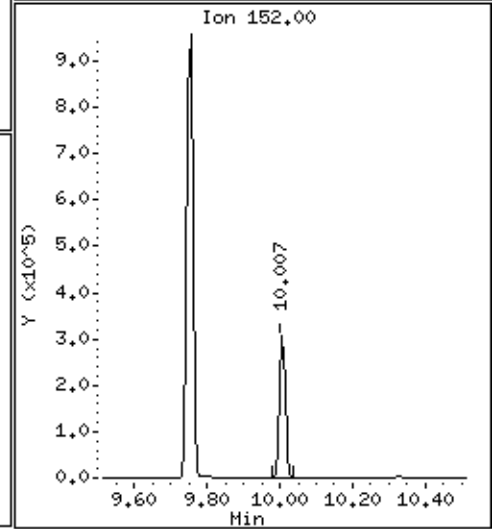
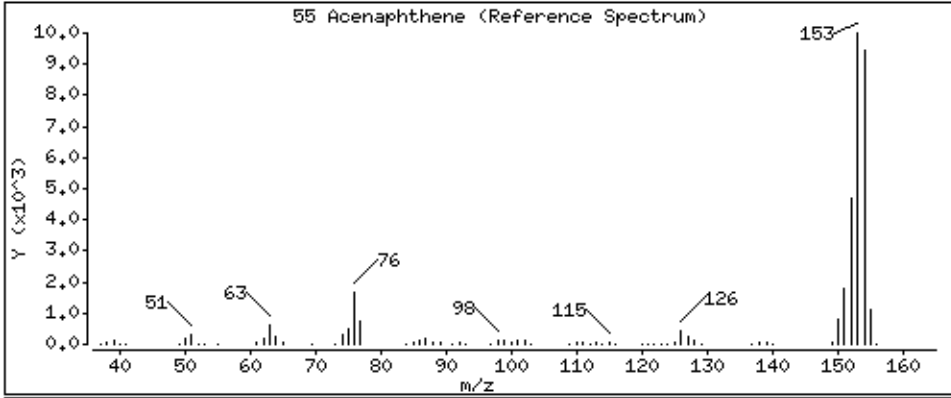
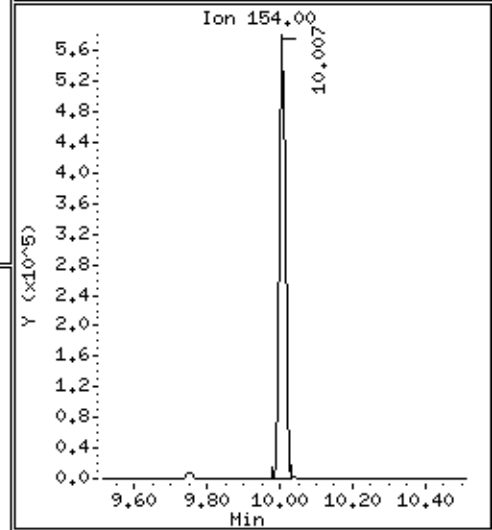
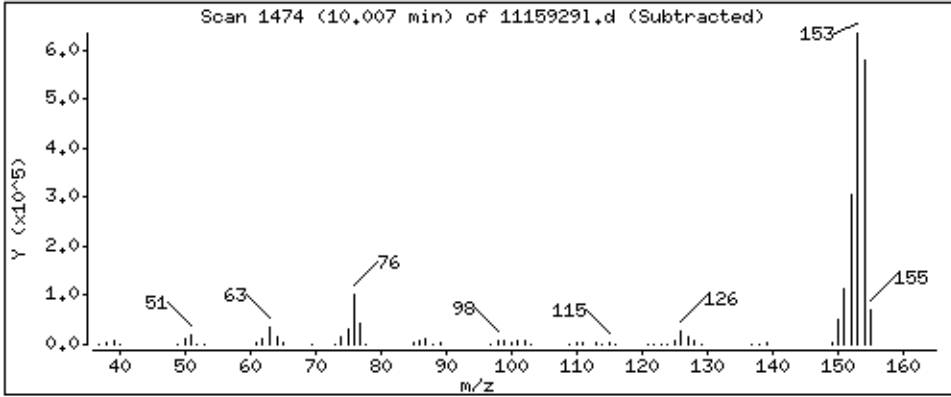
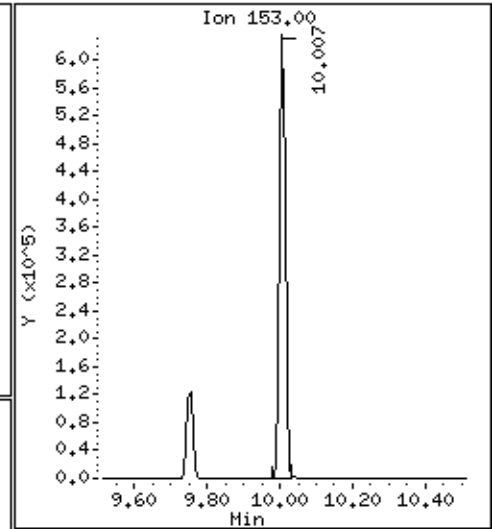
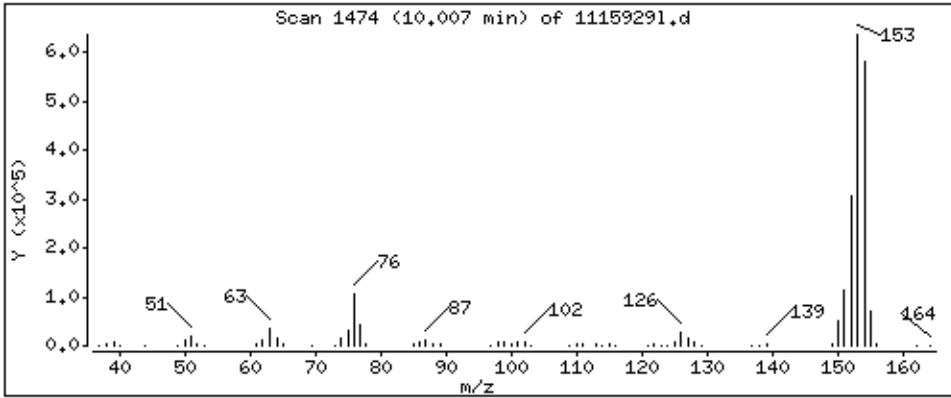
Operator: SN

Column phase: .50um DB-5ms

Column diameter: 0,25

55 Acenaphthene

Concentration: 2558 ug/Kg



Date : 23-JUN-2014 17:09

Client ID: MBLCS

Instrument: 50MSS2.i

Sample Info: 1115929

Volume Injected (uL): 1.0

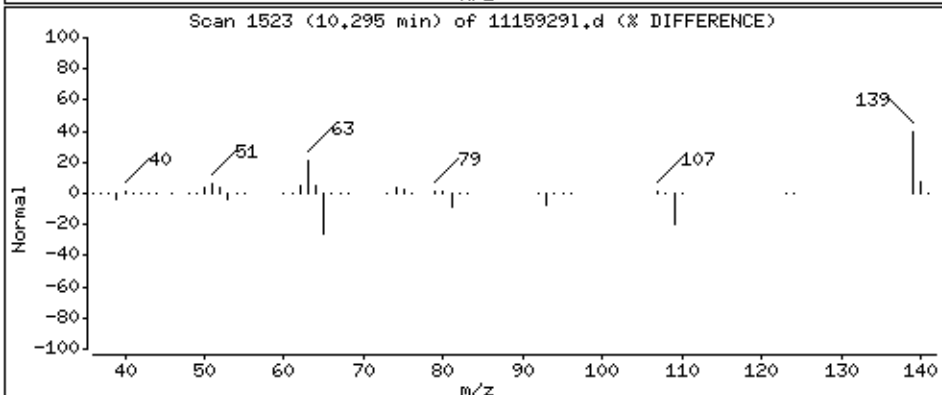
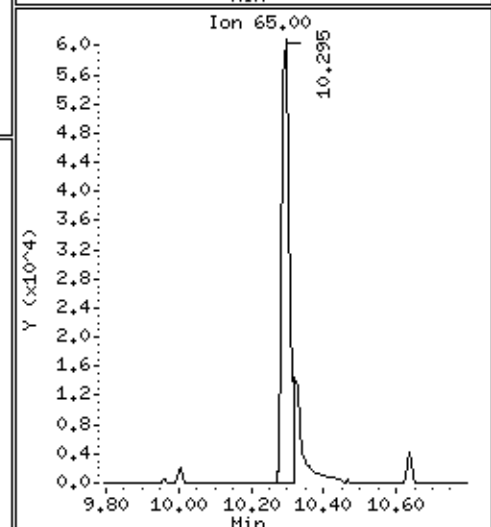
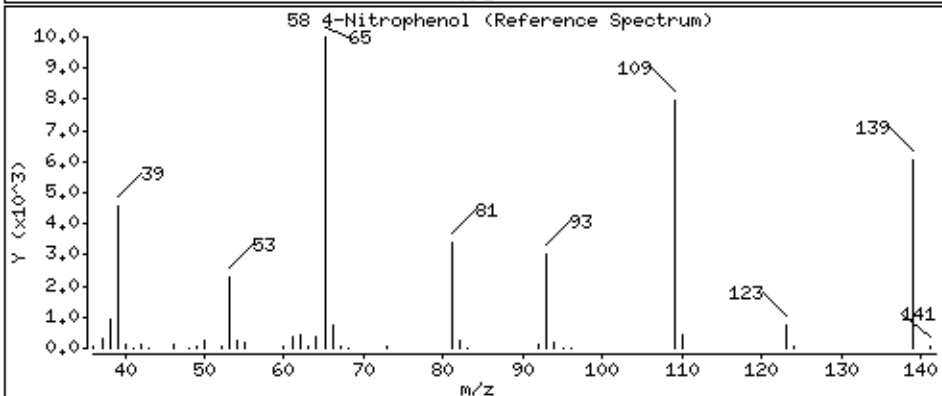
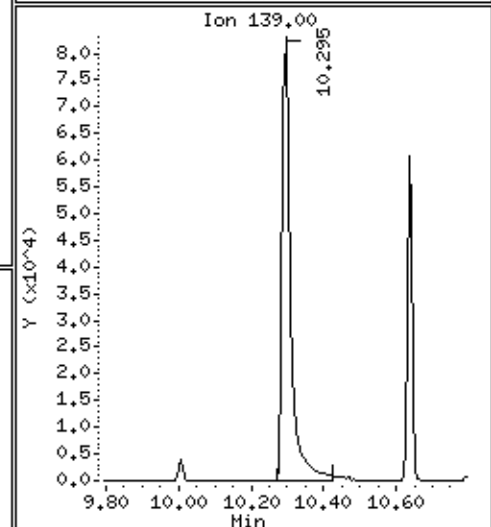
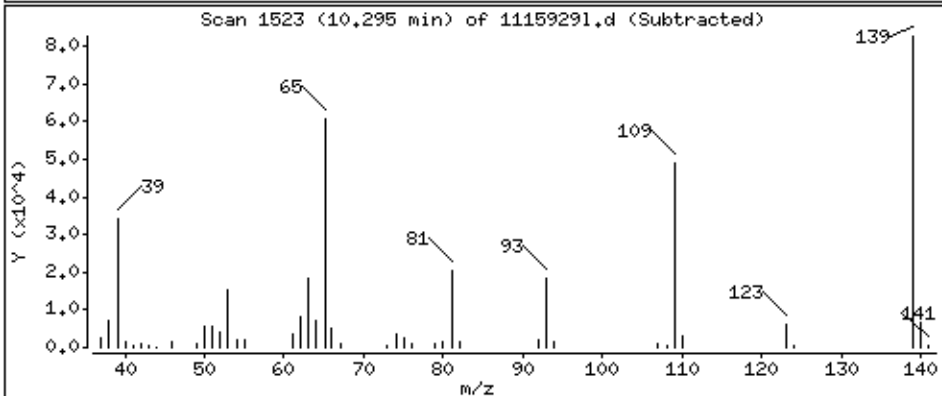
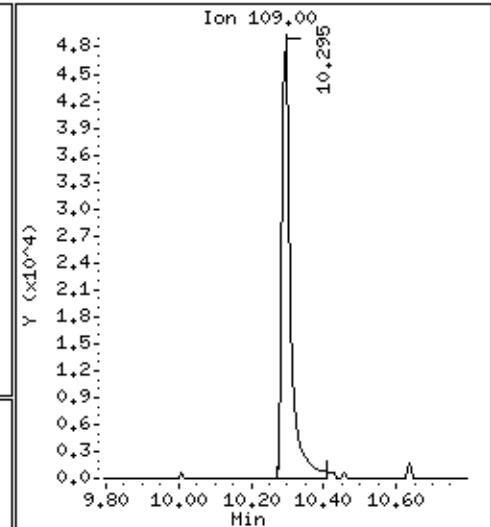
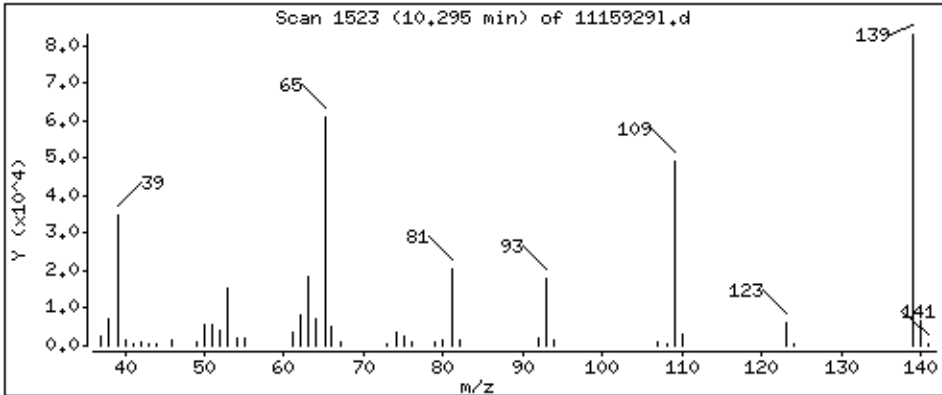
Operator: SN

Column phase: .50um DB-5ms

Column diameter: 0,25

58 4-Nitrophenol

Concentration: 2352 ug/Kg



Date : 23-JUN-2014 17:09

Client ID: MBLCS

Instrument: 50MSS2.i

Sample Info: 1115929

Volume Injected (uL): 1.0

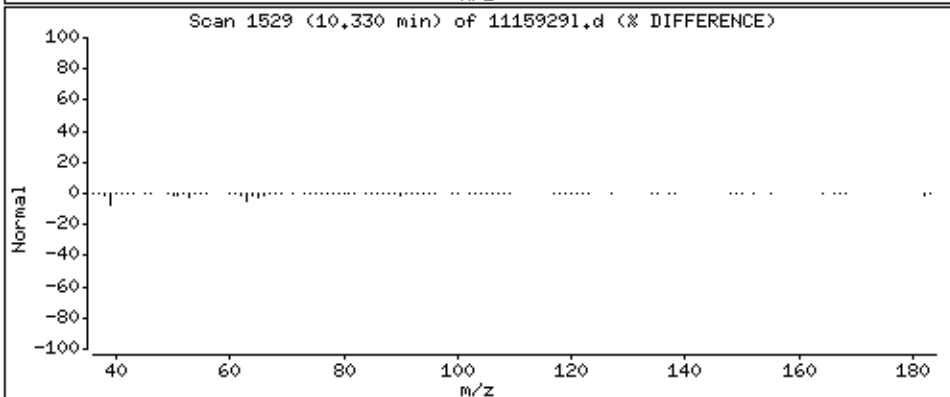
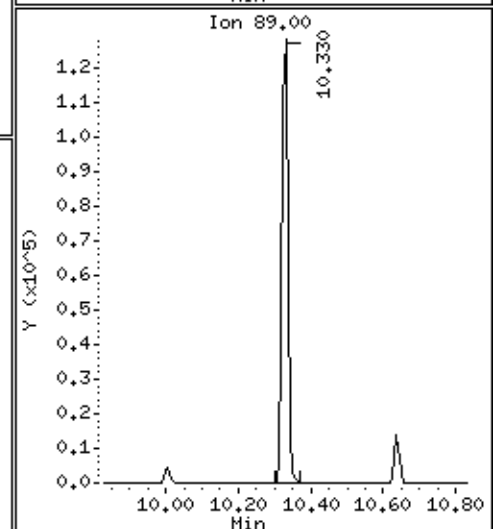
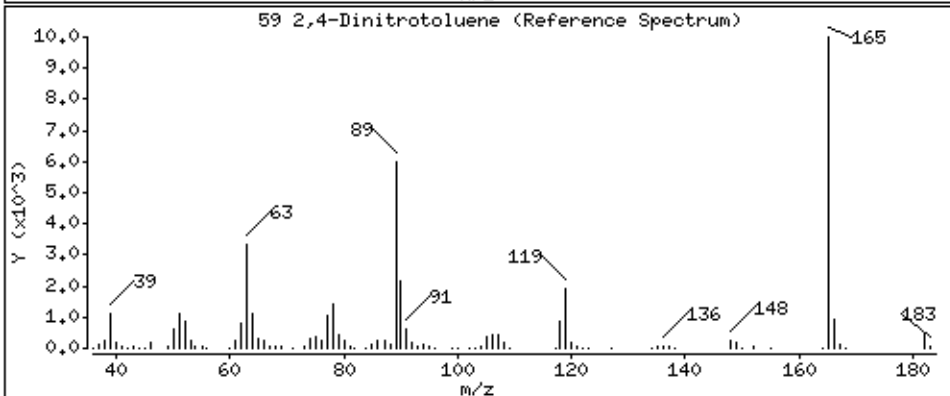
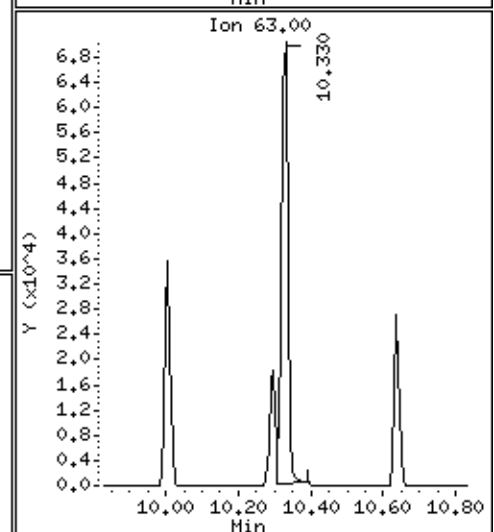
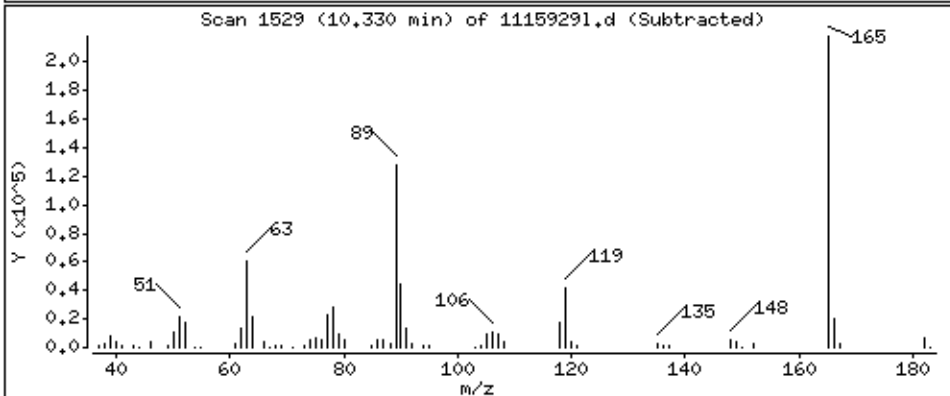
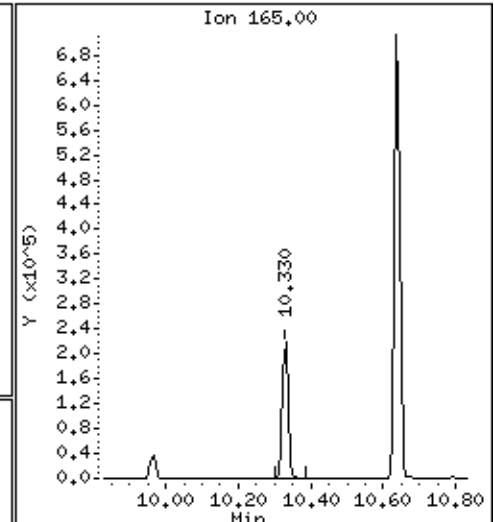
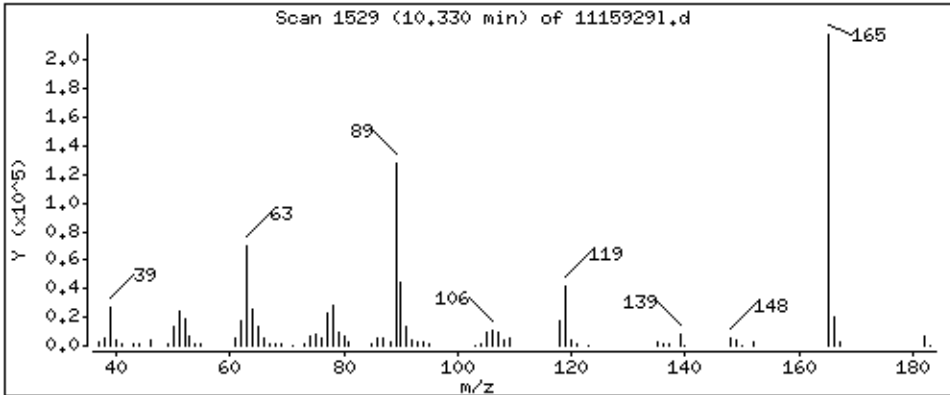
Operator: SN

Column phase: .50um DB-5ms

Column diameter: 0,25

59 2,4-Dinitrotoluene

Concentration: 2642 ug/Kg



Date : 23-JUN-2014 17:09

Client ID: MBLCS

Instrument: 50MSS2.i

Sample Info: 1115929

Volume Injected (uL): 1.0

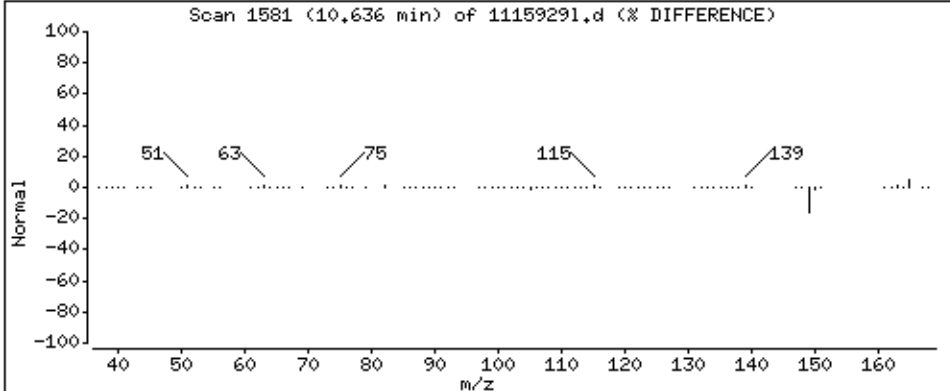
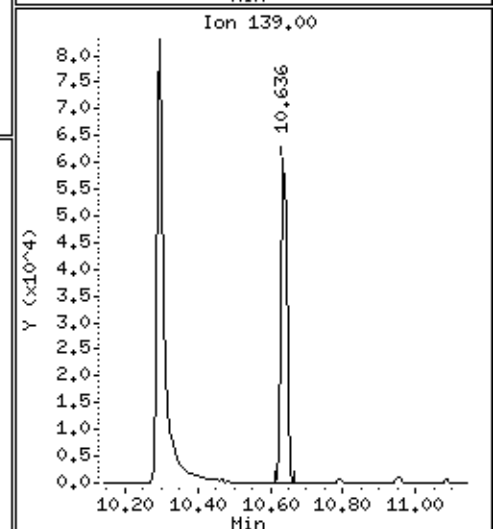
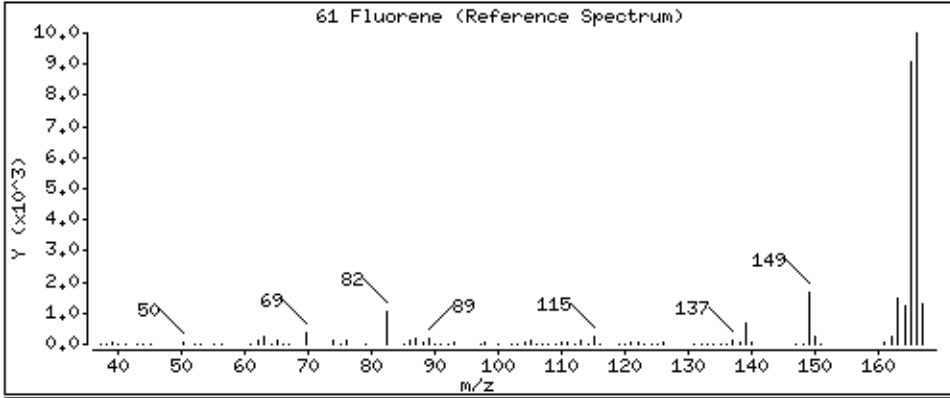
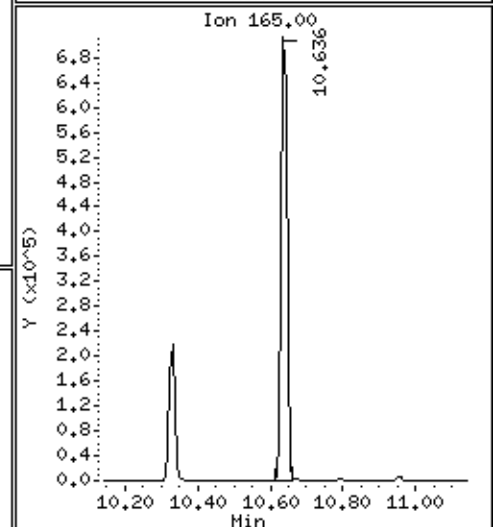
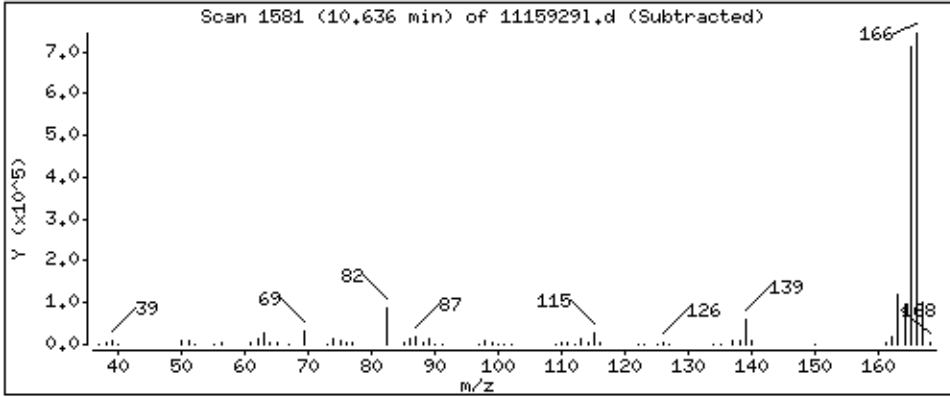
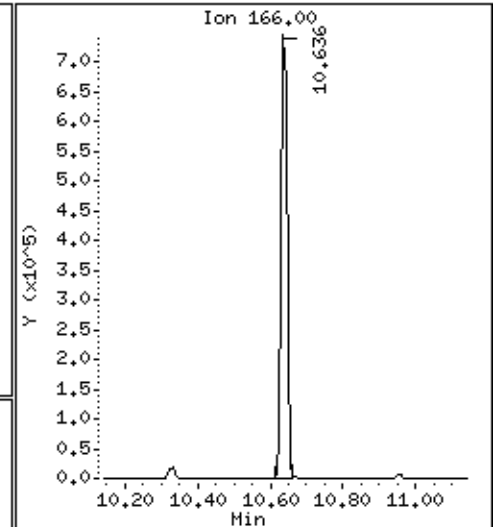
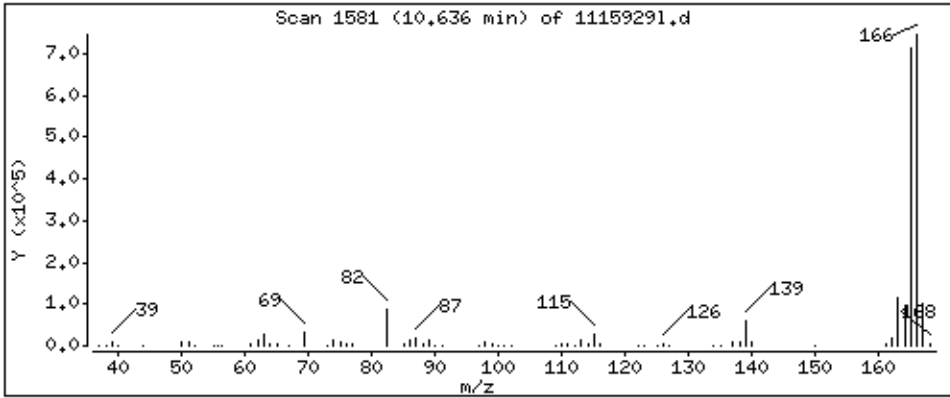
Operator: SN

Column phase: .50um DB-5ms

Column diameter: 0,25

61 Fluorene

Concentration: 2654 ug/Kg



Date : 23-JUN-2014 17:09

Client ID: MBLCS

Instrument: 50MSS2.i

Sample Info: 1115929

Volume Injected (uL): 1.0

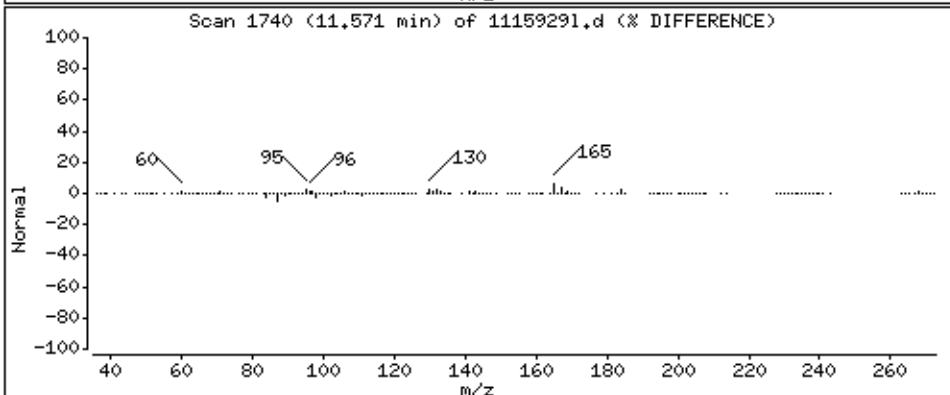
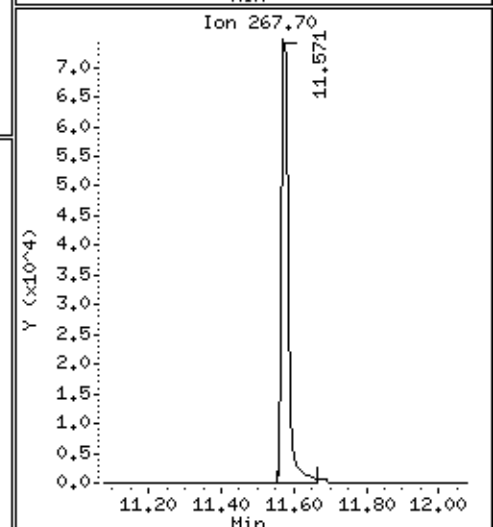
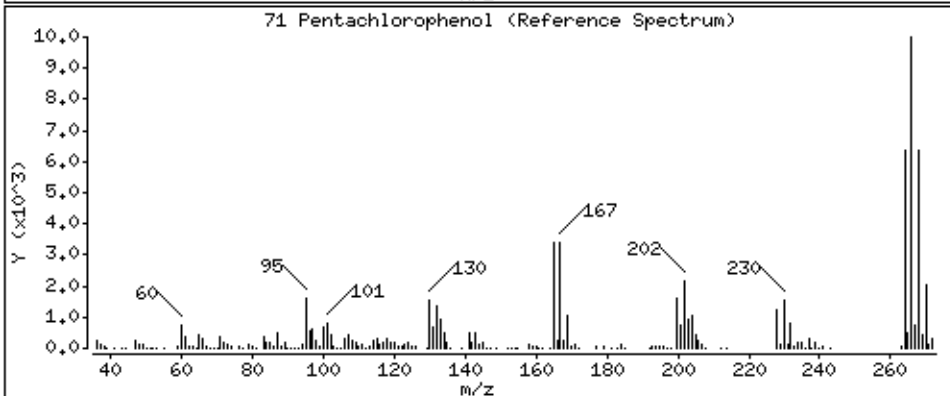
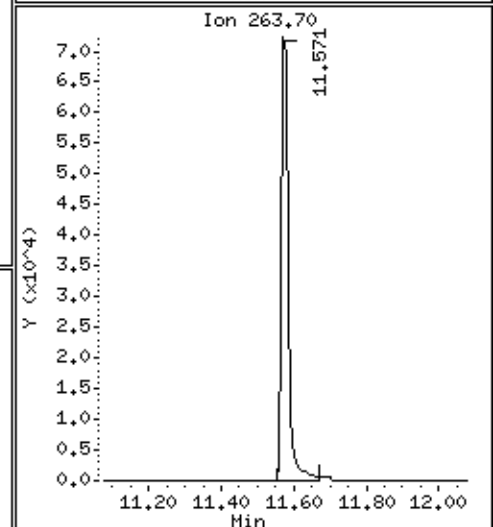
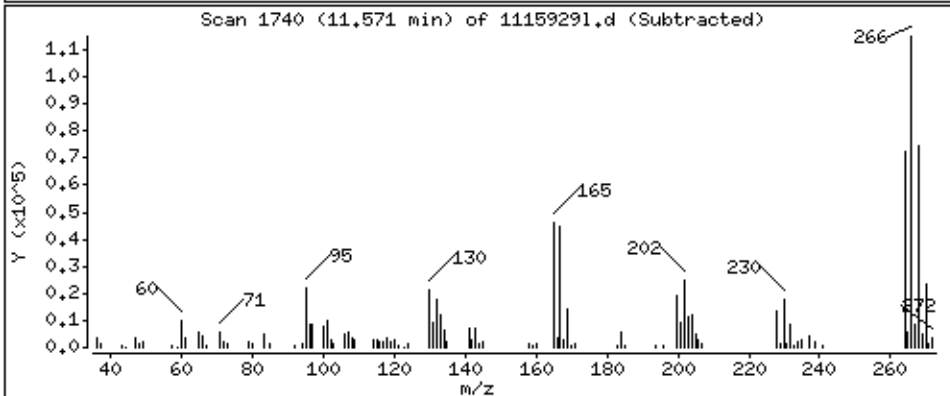
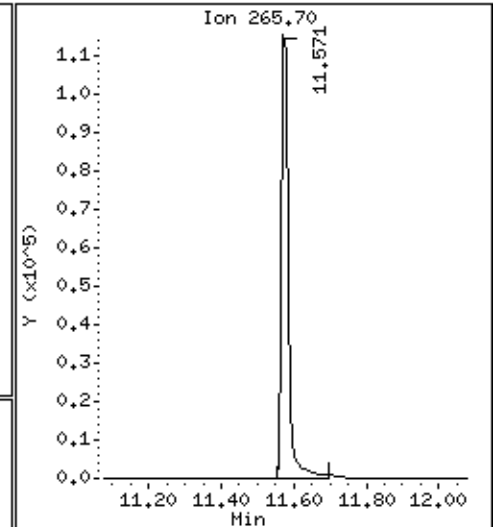
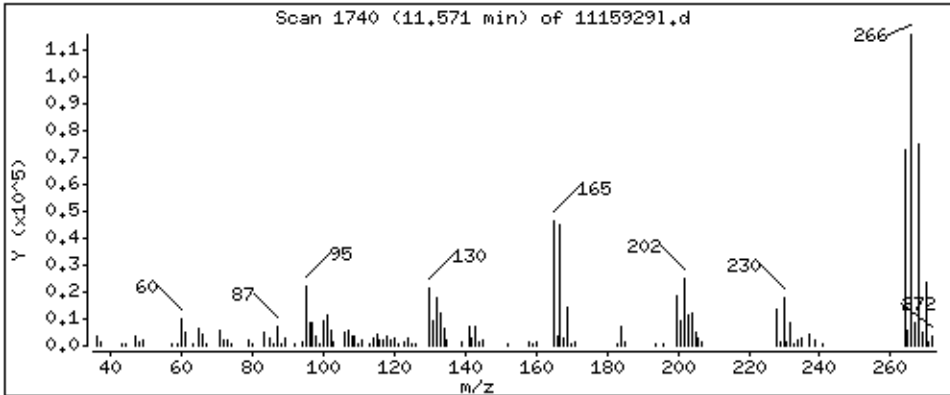
Operator: SN

Column phase: .50um DB-5ms

Column diameter: 0,25

71 Pentachlorophenol

Concentration: 2122 ug/Kg



Date : 23-JUN-2014 17:09

Client ID: MBLCS

Instrument: 50MSS2.i

Sample Info: 1115929

Volume Injected (uL): 1.0

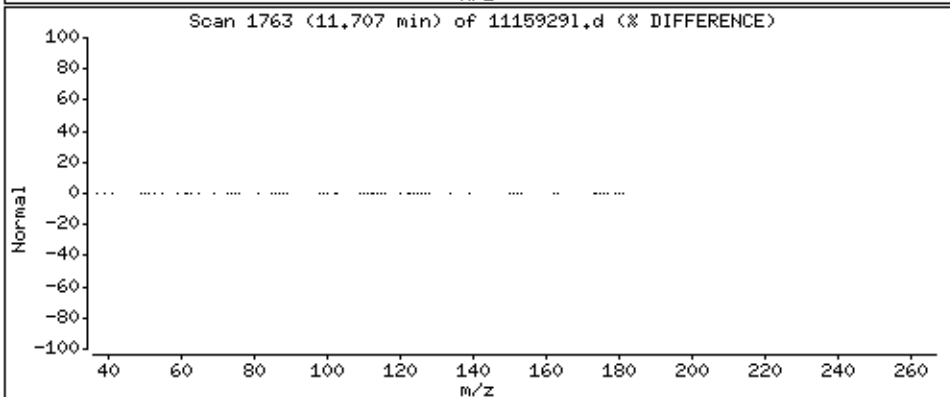
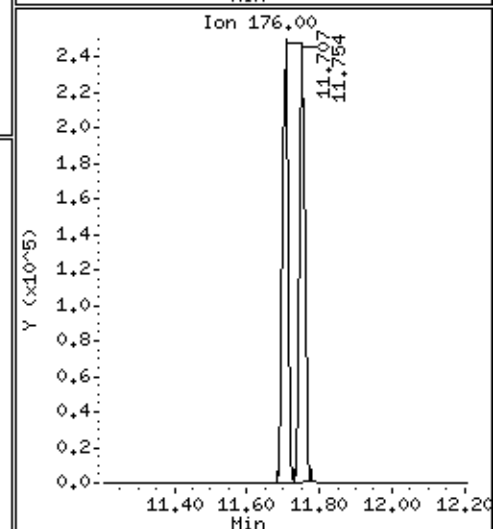
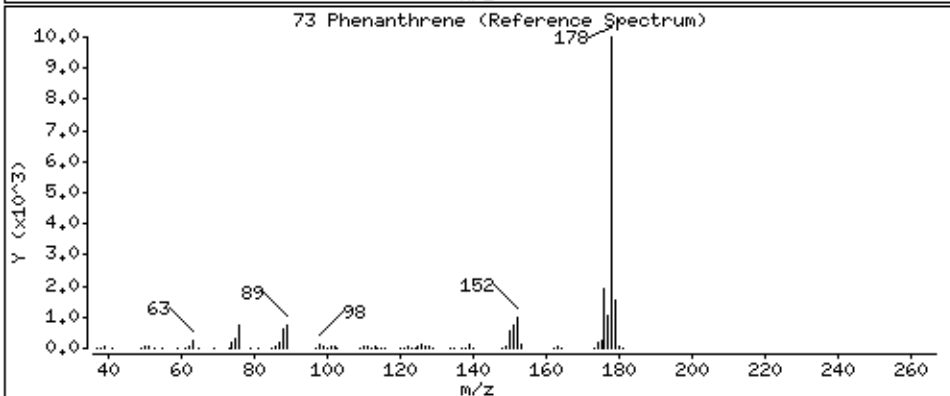
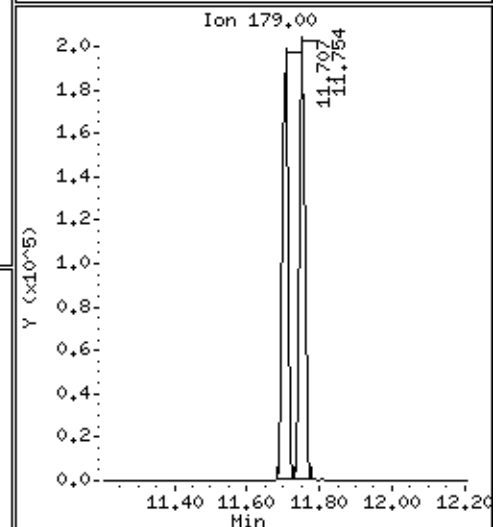
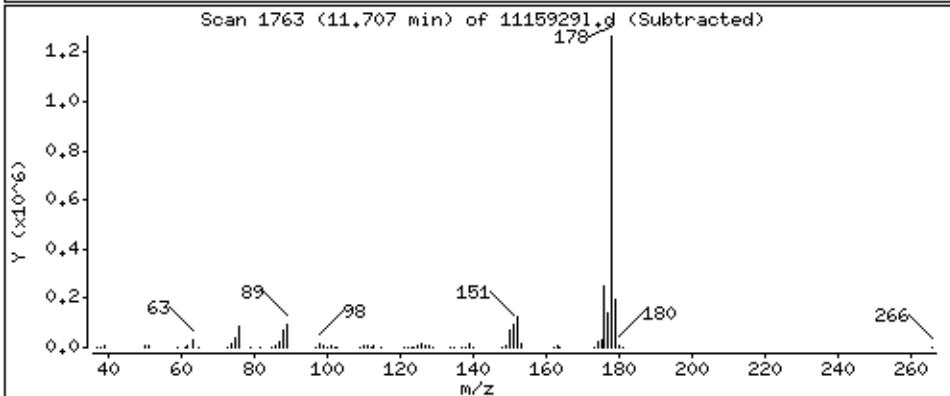
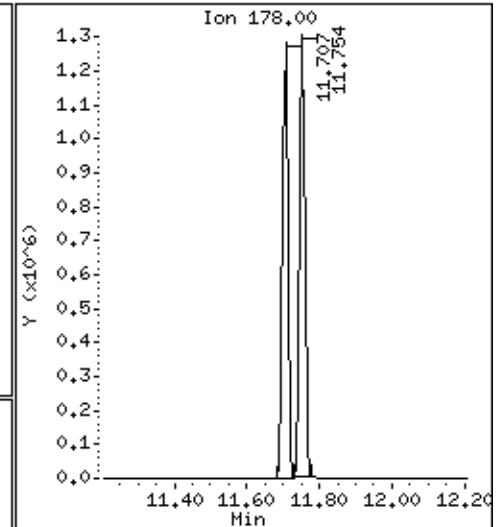
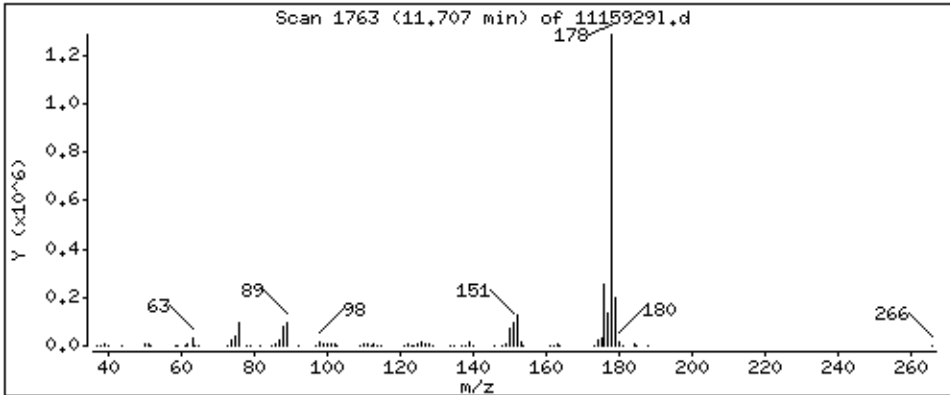
Operator: SN

Column phase: .50um DB-5ms

Column diameter: 0,25

73 Phenanthrene

Concentration: 2699 ug/Kg



Date : 23-JUN-2014 17:09

Client ID: MBLCS

Instrument: 50MSS2.i

Sample Info: 1115929

Volume Injected (uL): 1.0

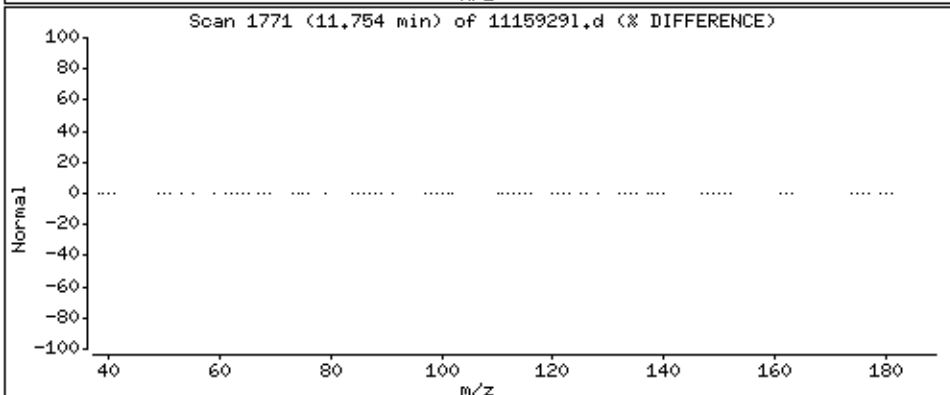
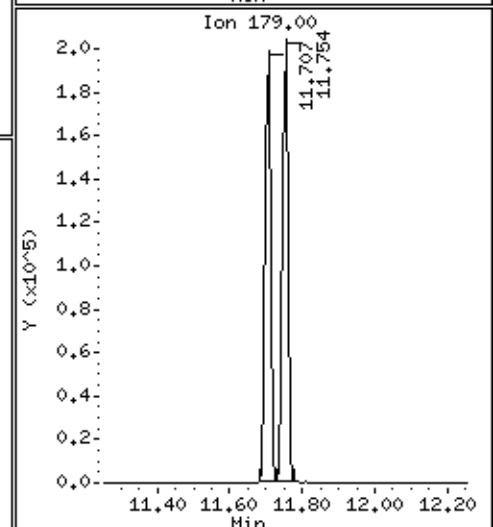
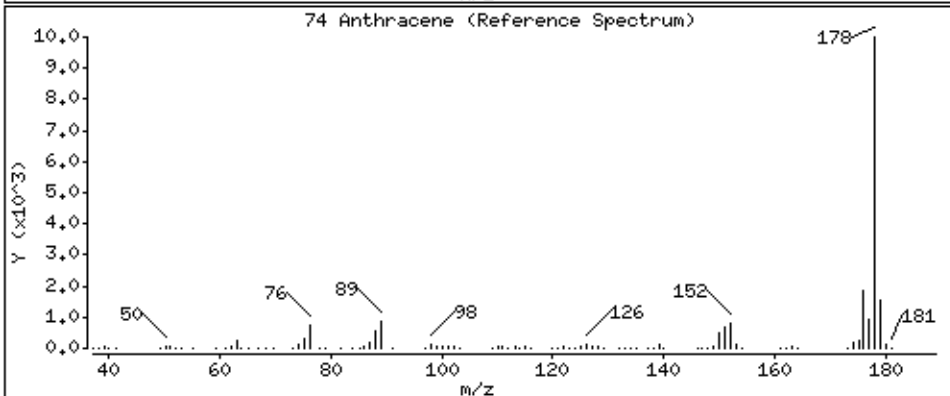
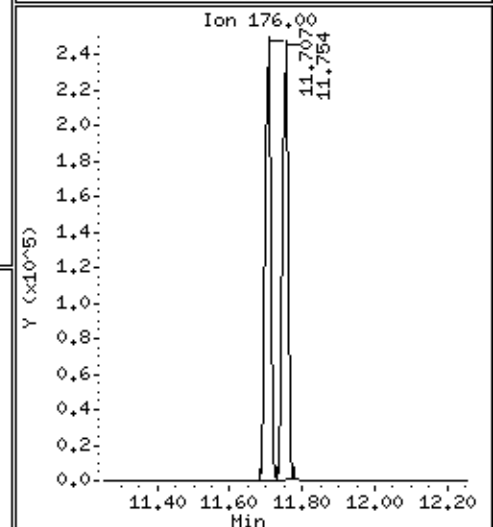
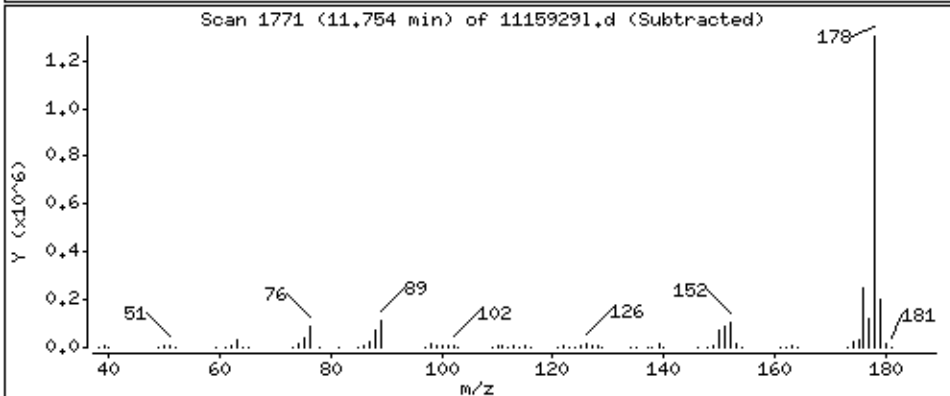
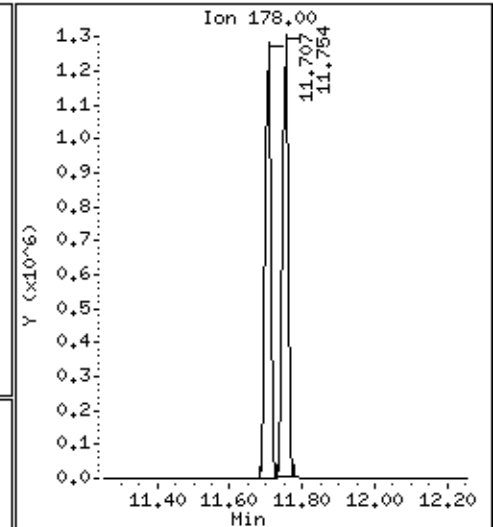
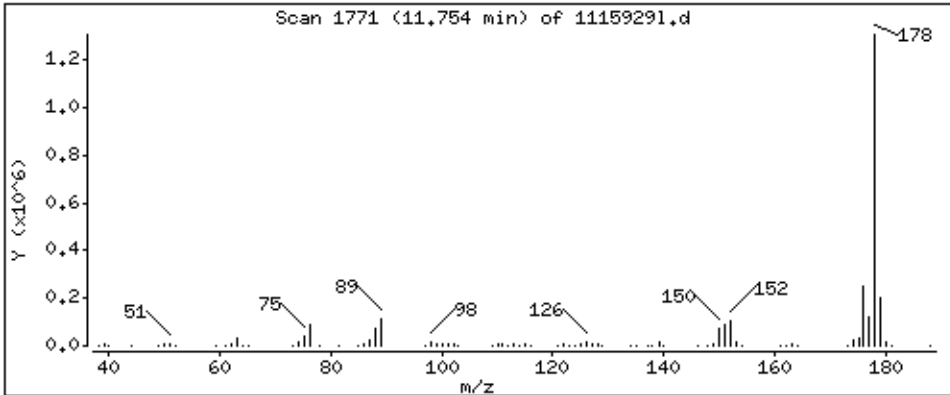
Operator: SN

Column phase: .50um DB-5ms

Column diameter: 0,25

74 Anthracene

Concentration: 2747 ug/Kg



Date : 23-JUN-2014 17:09

Client ID: MBLCS

Instrument: 50MSS2.i

Sample Info: 1115929

Volume Injected (uL): 1.0

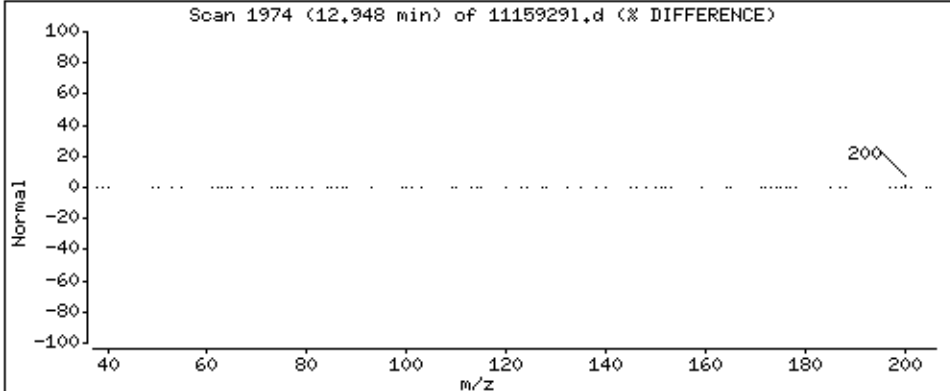
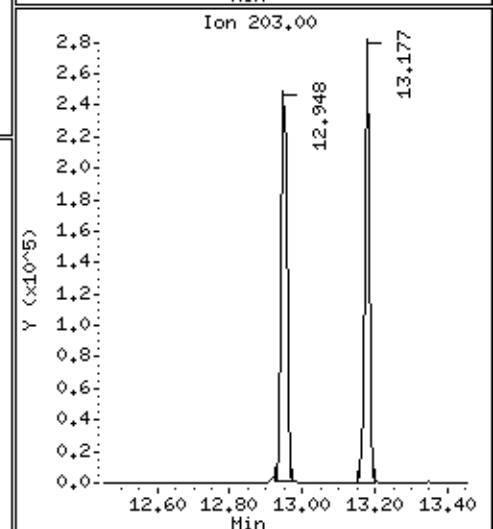
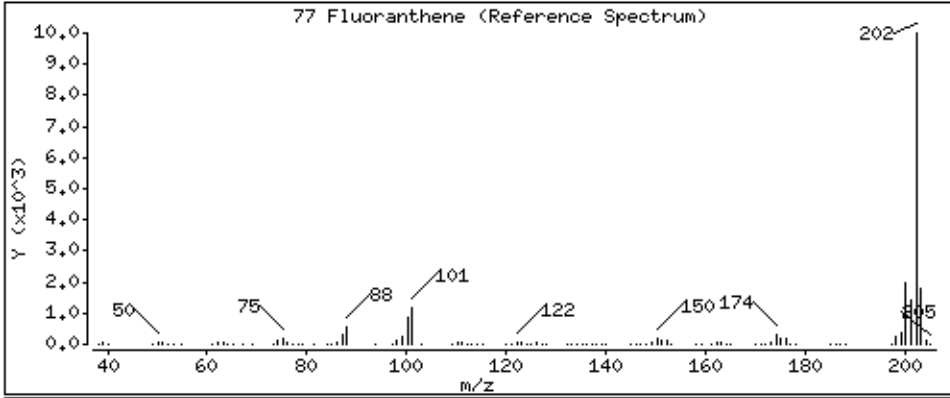
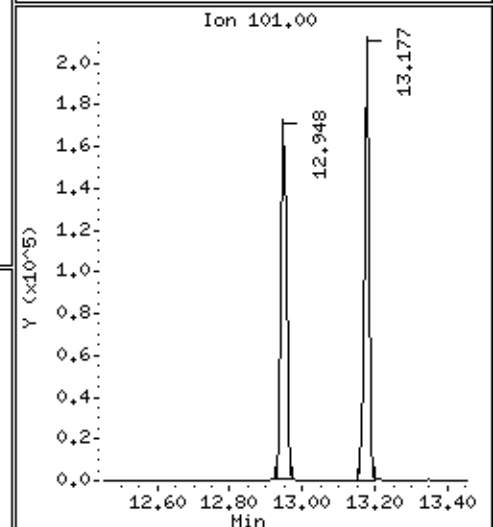
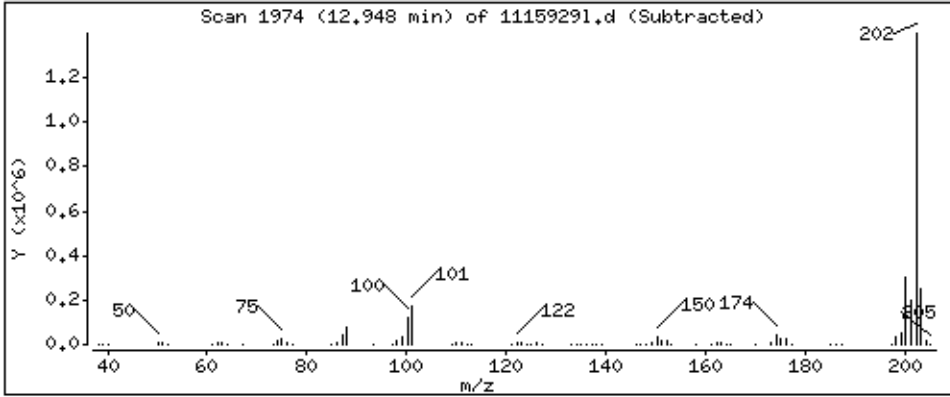
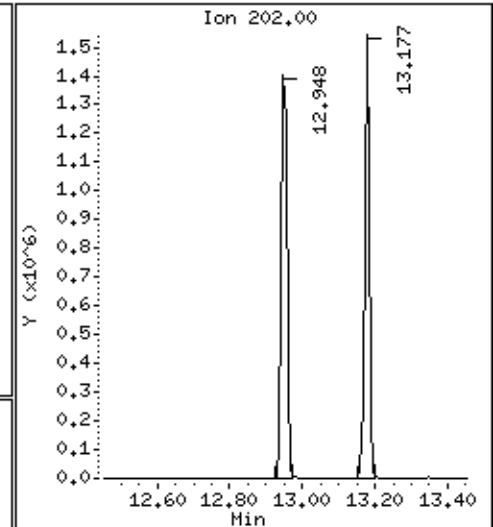
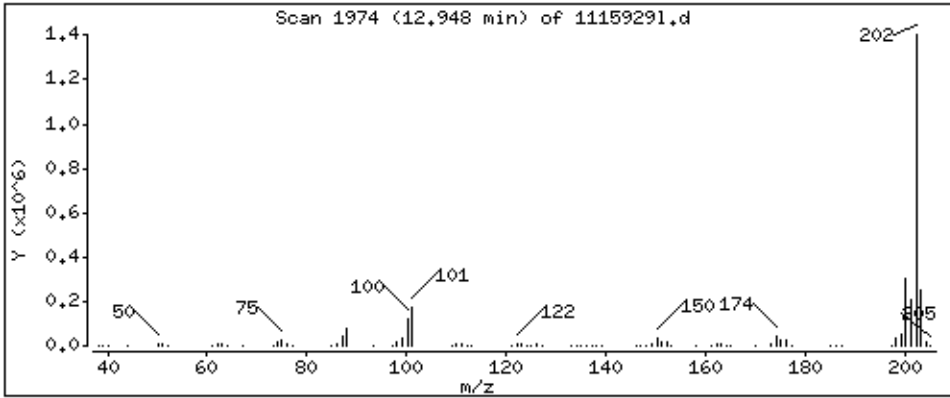
Operator: SN

Column phase: .50um DB-5ms

Column diameter: 0,25

77 Fluoranthene

Concentration: 2779 ug/Kg



Date : 23-JUN-2014 17:09

Client ID: MBLCS

Instrument: 50MSS2.i

Sample Info: 1115929

Volume Injected (uL): 1.0

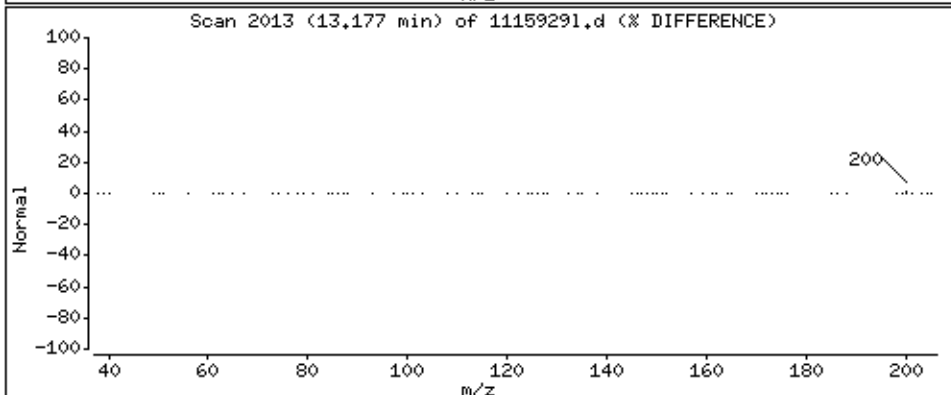
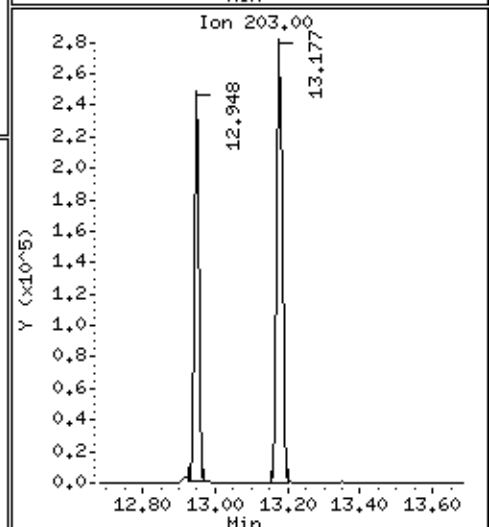
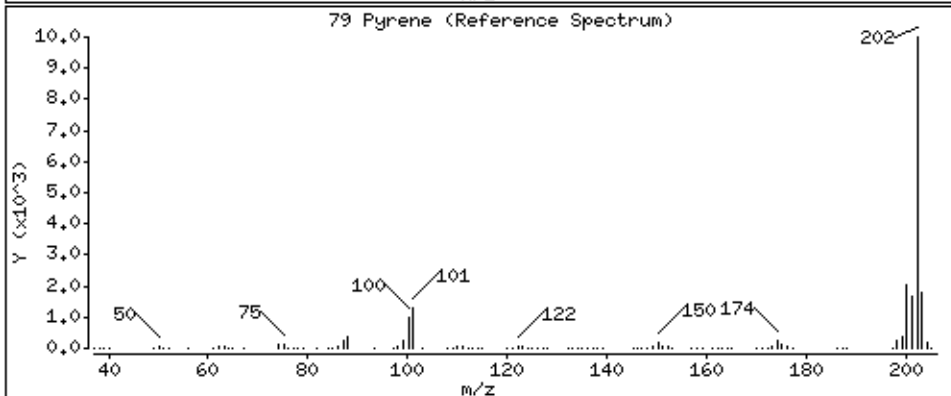
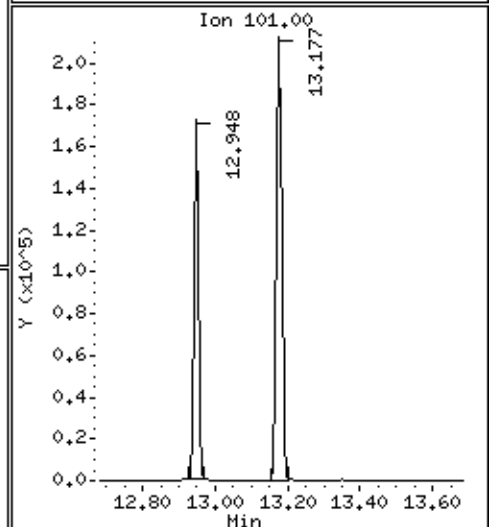
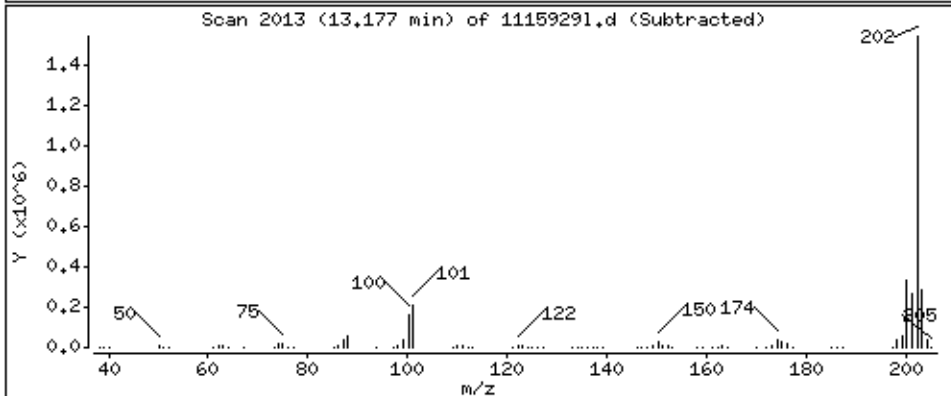
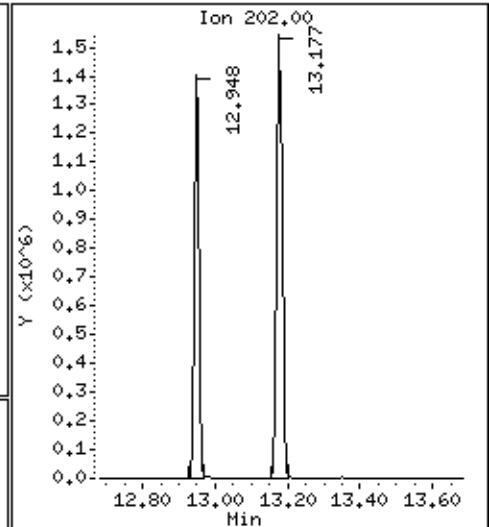
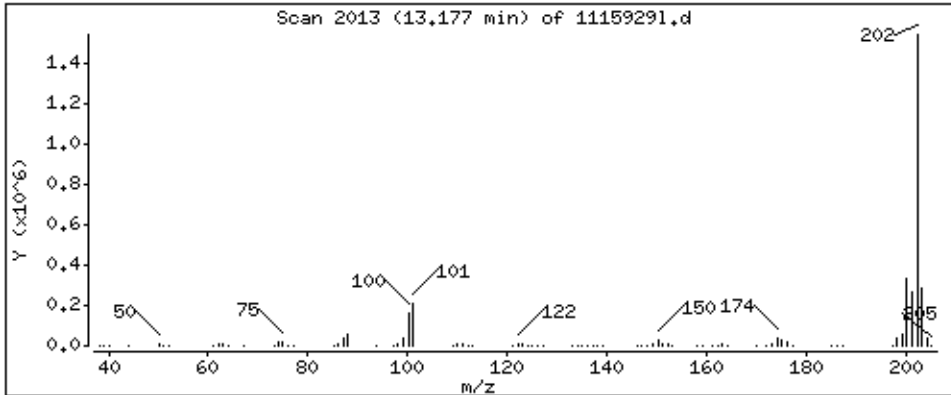
Operator: SN

Column phase: .50um DB-5ms

Column diameter: 0,25

79 Pyrene

Concentration: 2791 ug/Kg



Date : 23-JUN-2014 17:09

Client ID: MBLCS

Instrument: 50MSS2.i

Sample Info: 1115929

Volume Injected (uL): 1.0

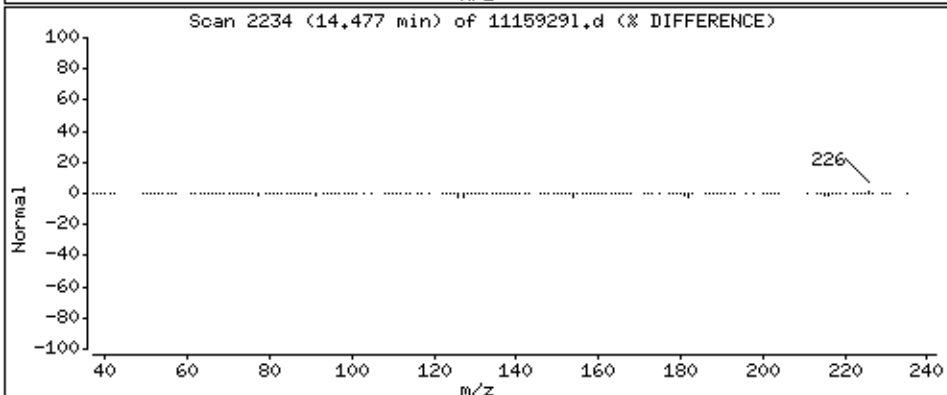
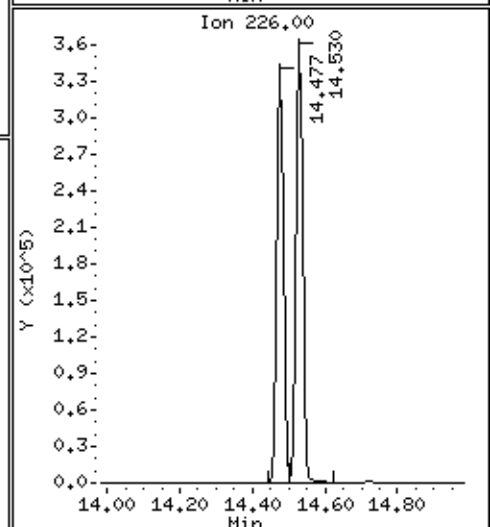
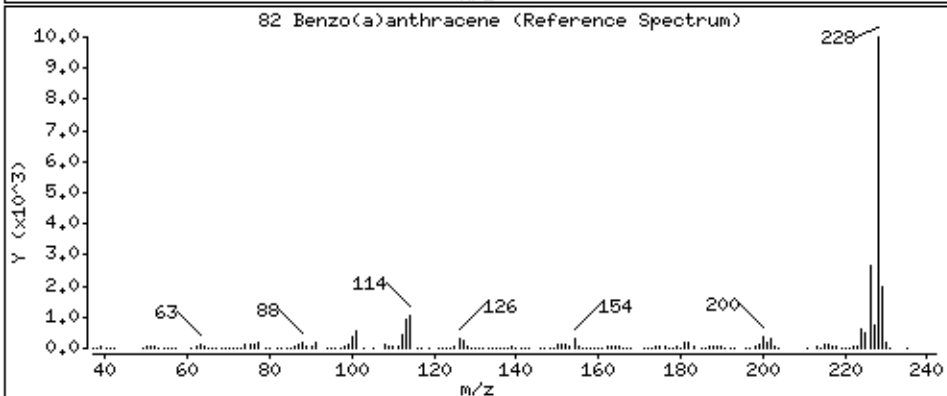
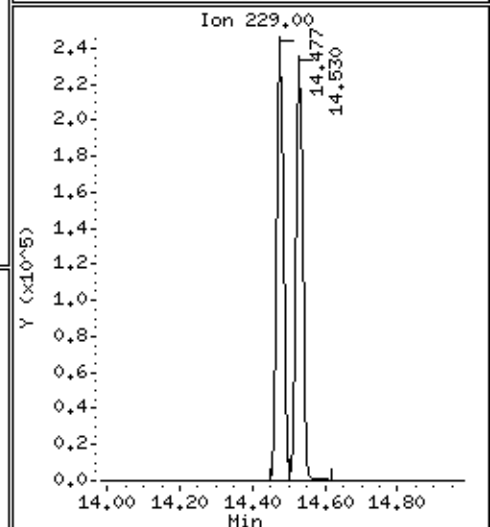
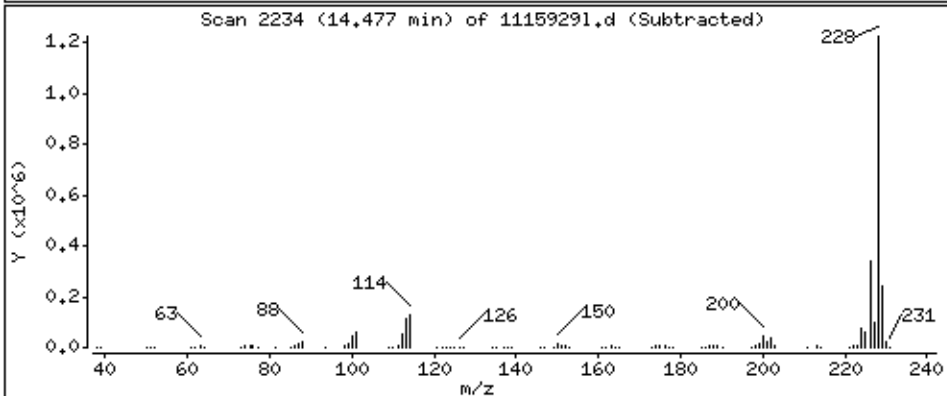
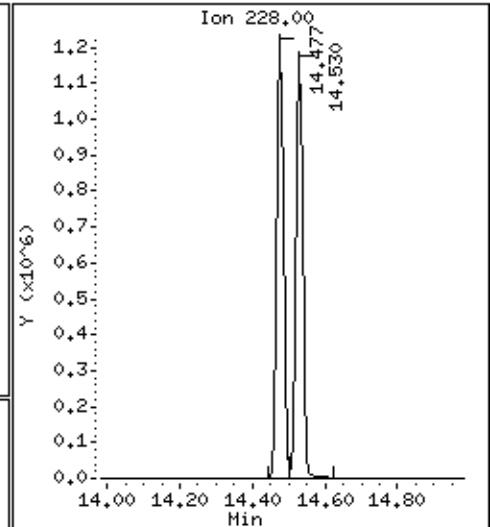
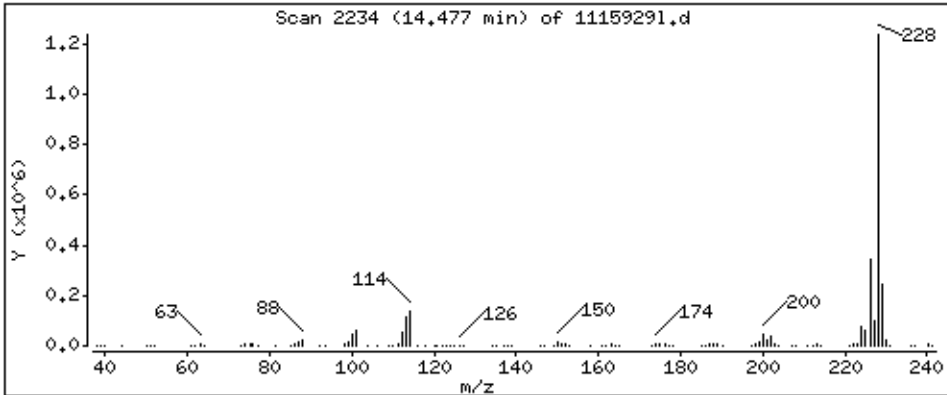
Operator: SN

Column phase: .50um DB-5ms

Column diameter: 0,25

82 Benzo(a)anthracene

Concentration: 2741 ug/Kg



Date : 23-JUN-2014 17:09

Client ID: MBLCS

Instrument: 50MSS2.i

Sample Info: 1115929

Volume Injected (uL): 1.0

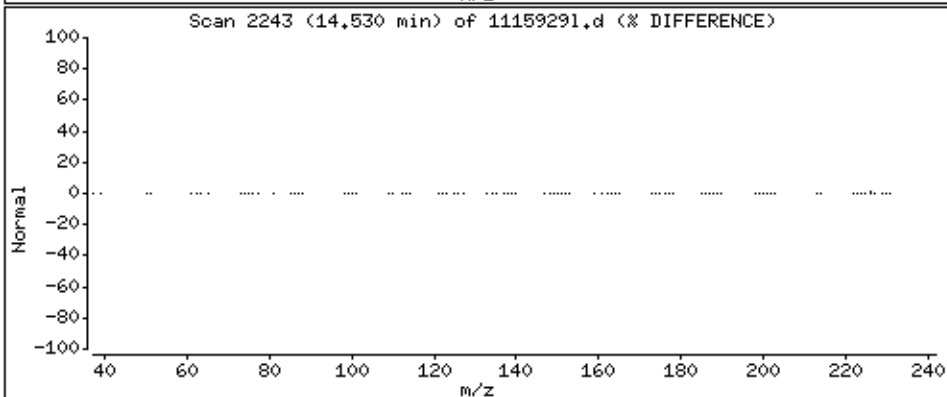
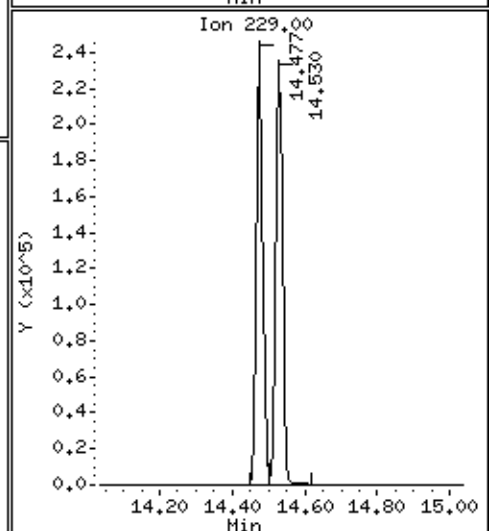
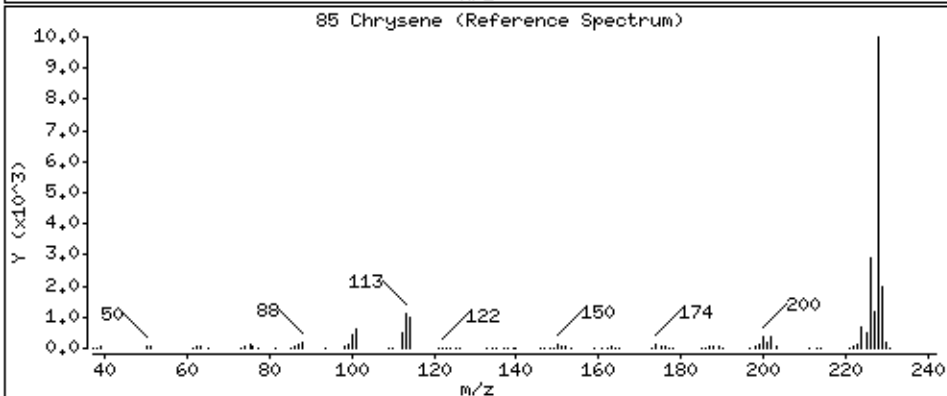
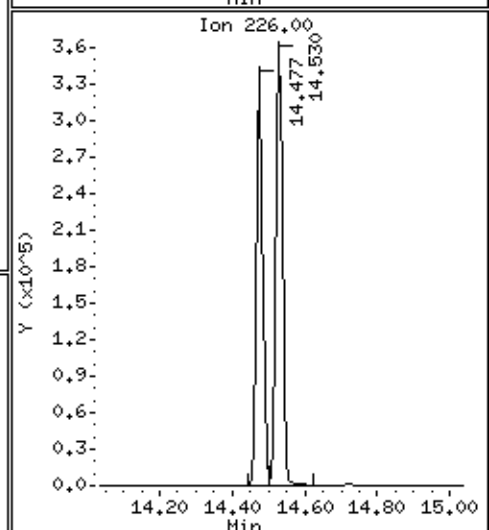
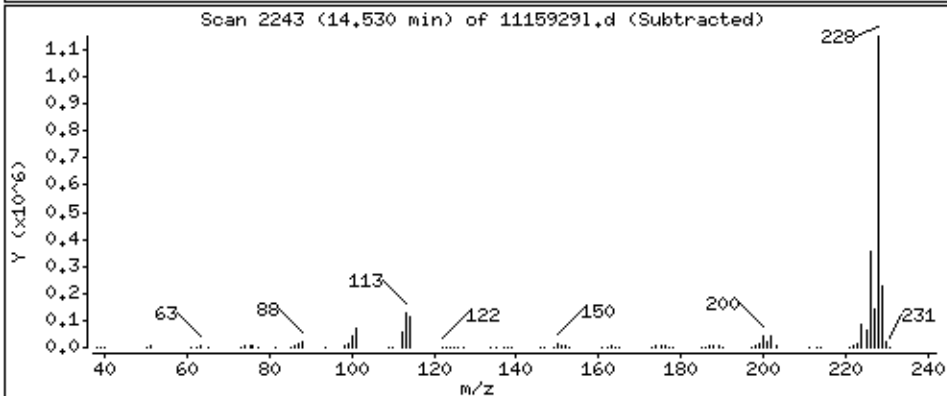
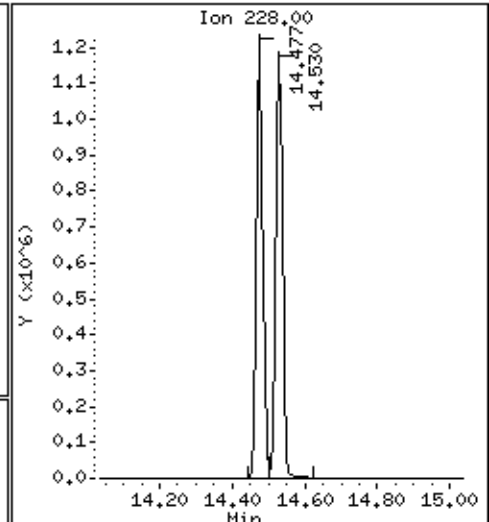
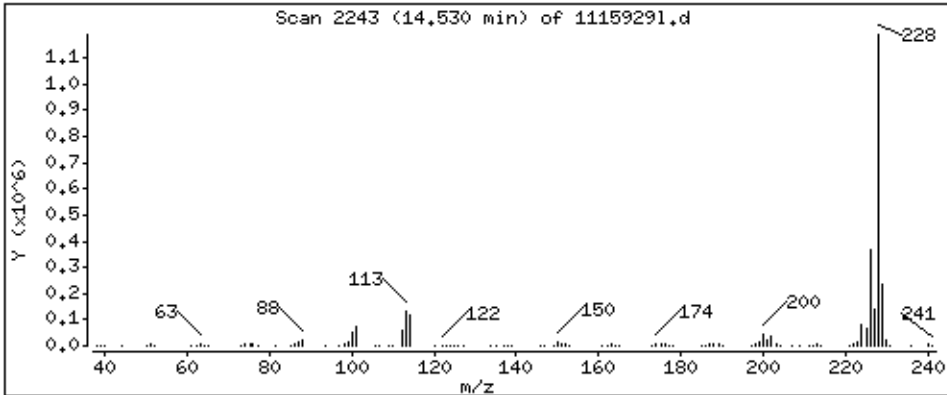
Operator: SN

Column phase: .50um DB-5ms

Column diameter: 0,25

85 Chrysene

Concentration: 2814 ug/Kg



Date : 23-JUN-2014 17:09

Client ID: MBLCS

Instrument: 50MSS2.i

Sample Info: 1115929

Volume Injected (uL): 1.0

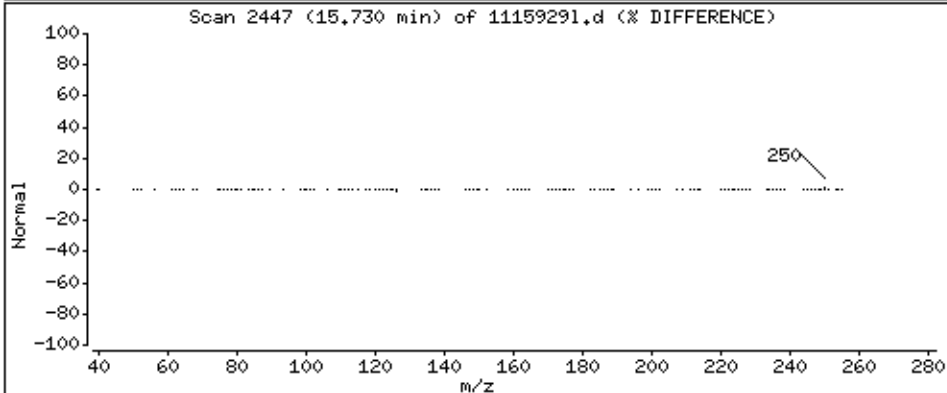
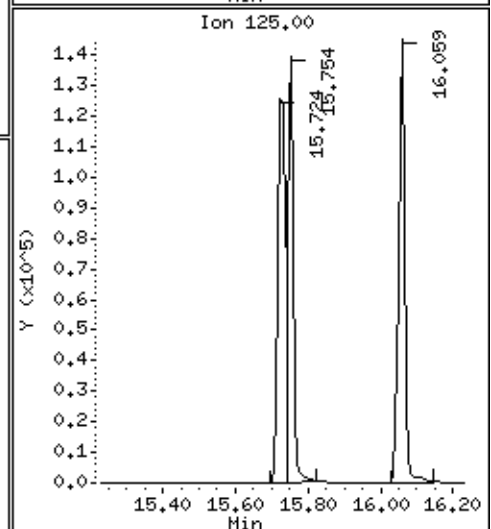
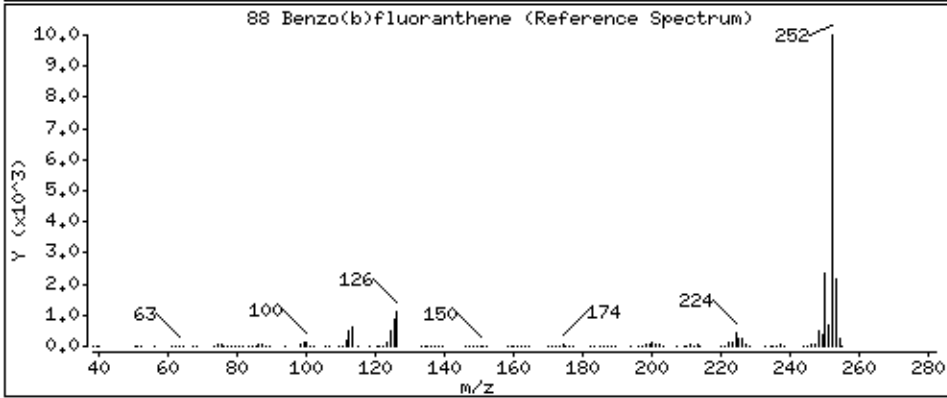
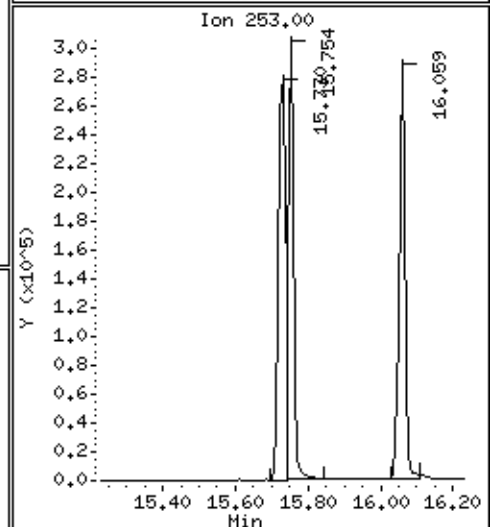
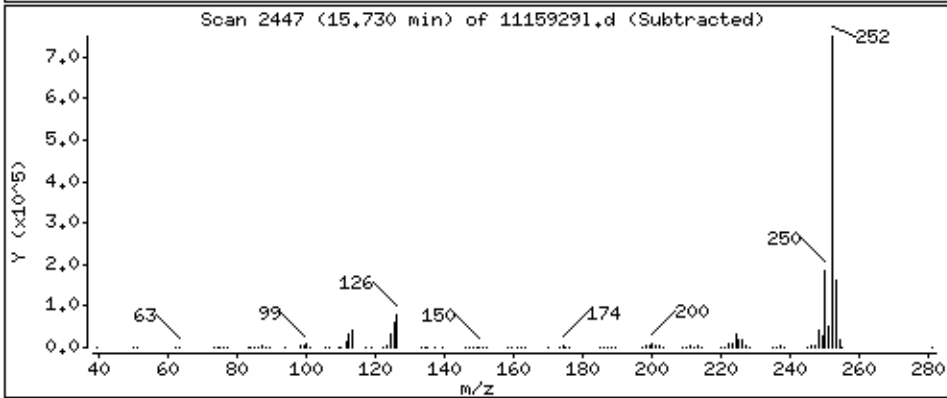
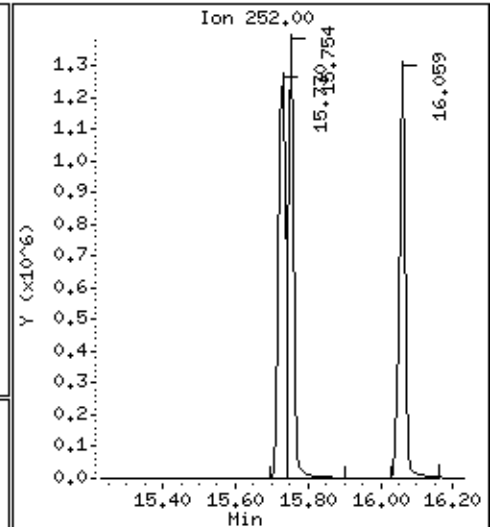
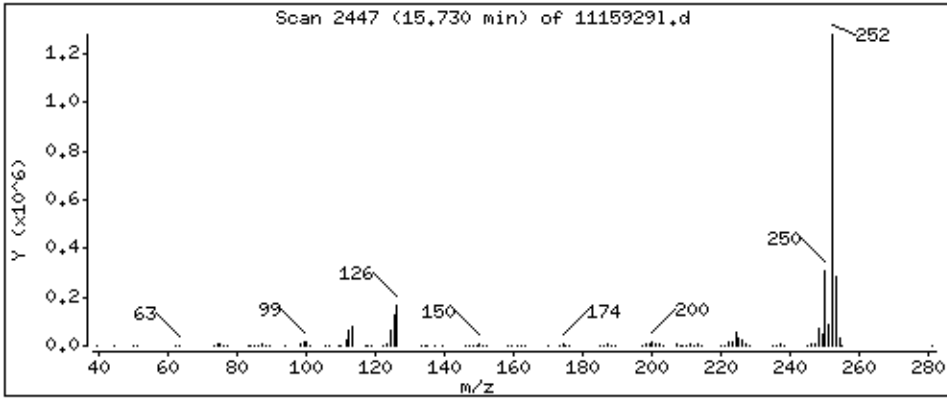
Operator: SN

Column phase: .50um DB-5ms

Column diameter: 0,25

88 Benzo(b)fluoranthene

Concentration: 2735 ug/Kg



Date : 23-JUN-2014 17:09

Client ID: MBLCS

Instrument: 50MSS2.i

Sample Info: 1115929

Volume Injected (uL): 1.0

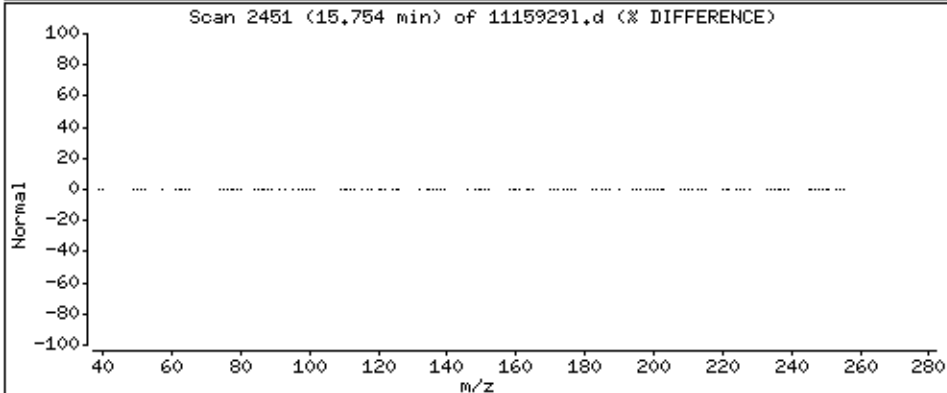
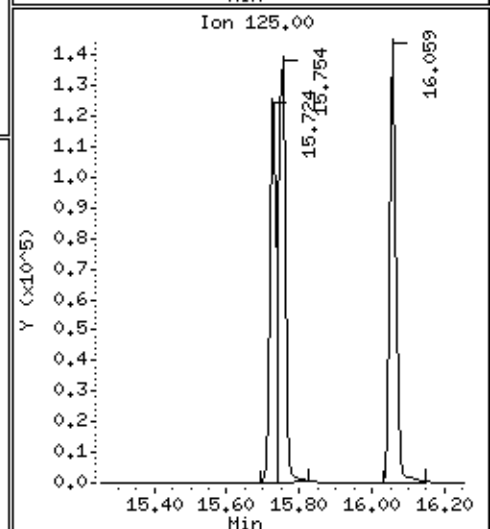
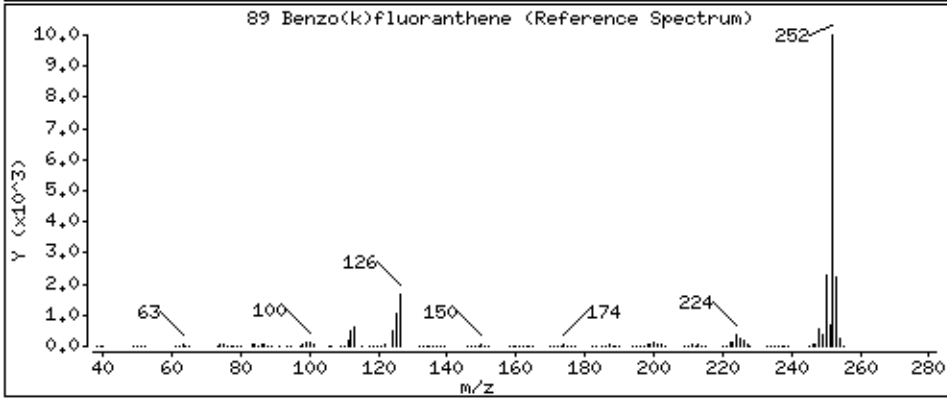
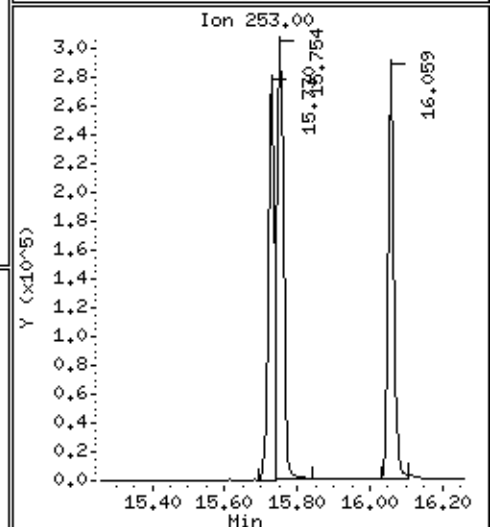
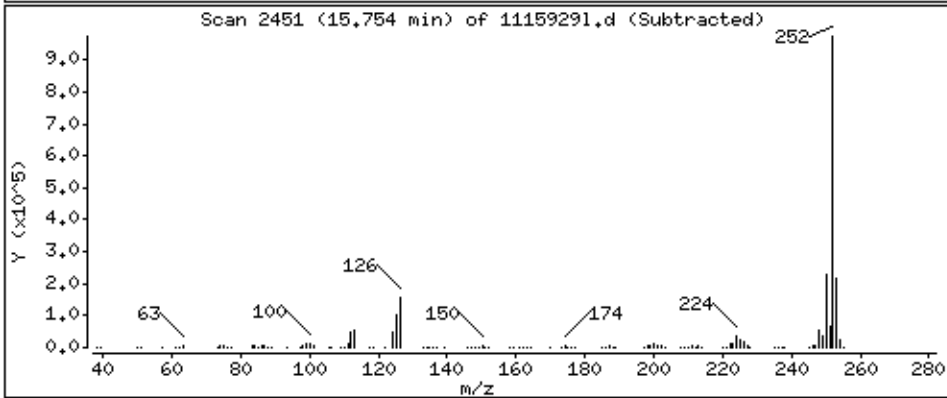
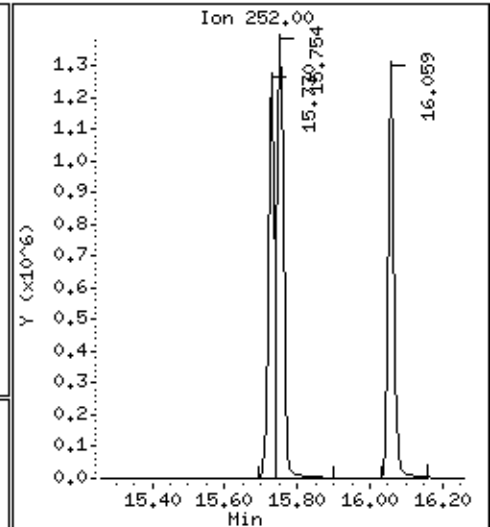
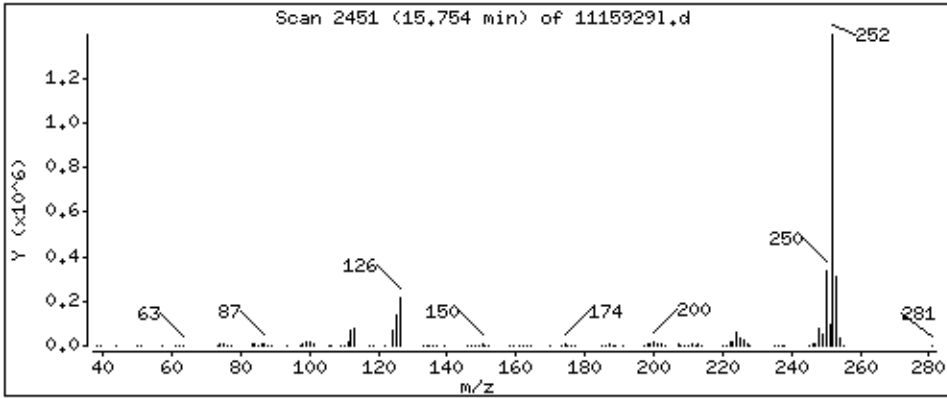
Operator: SN

Column phase: .50um DB-5ms

Column diameter: 0,25

89 Benzo(k)fluoranthene

Concentration: 2633 ug/Kg



Date : 23-JUN-2014 17:09

Client ID: MBLCS

Instrument: 50MSS2.i

Sample Info: 1115929

Volume Injected (uL): 1.0

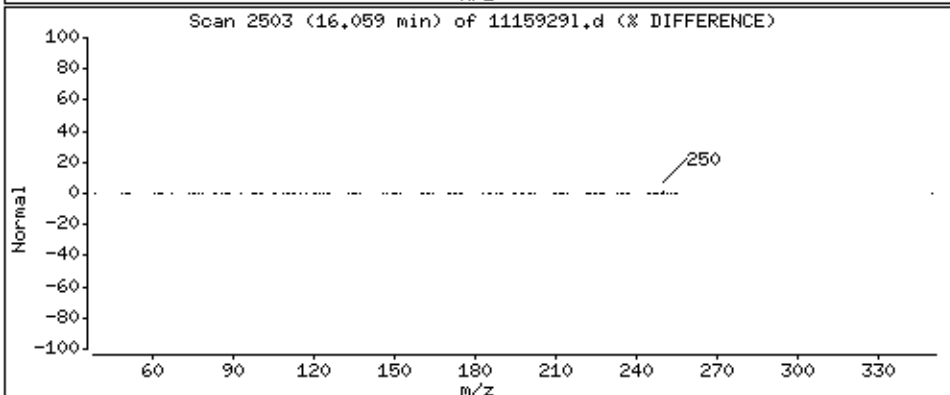
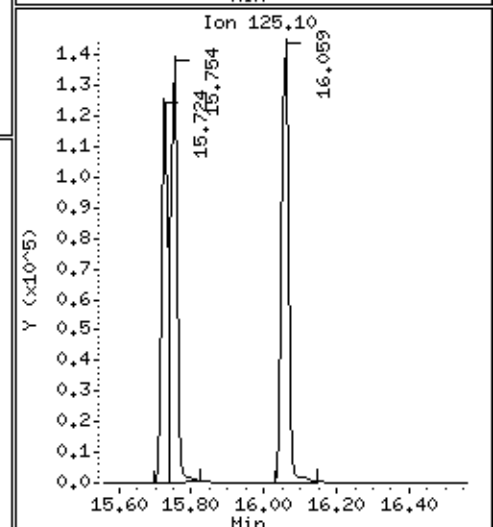
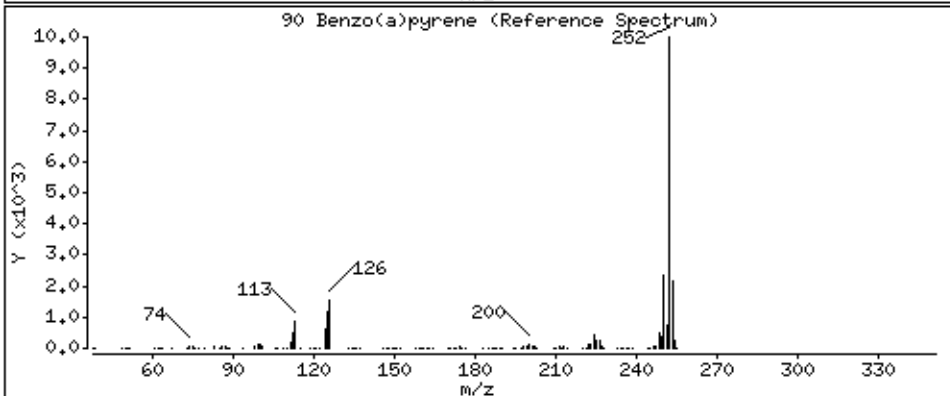
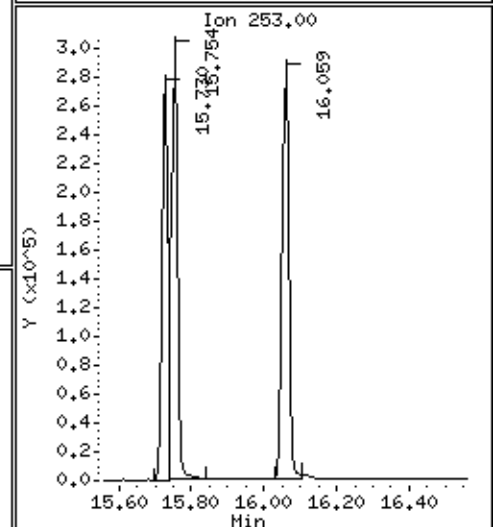
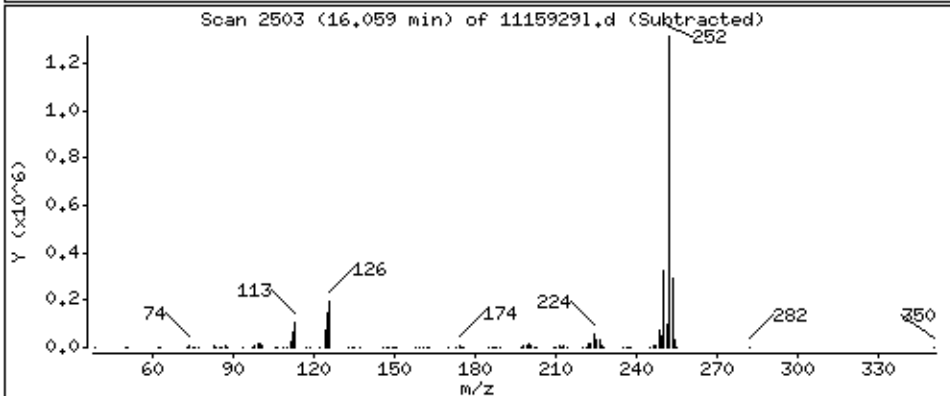
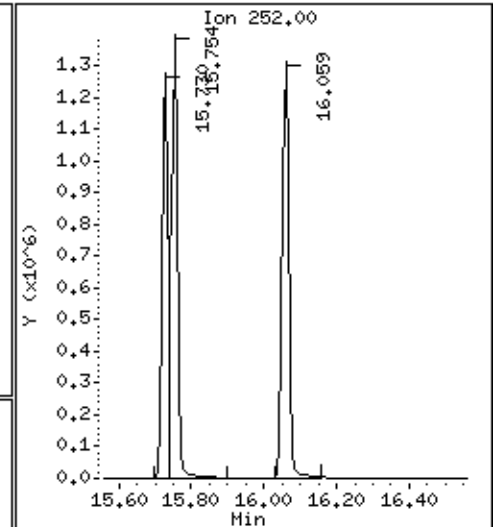
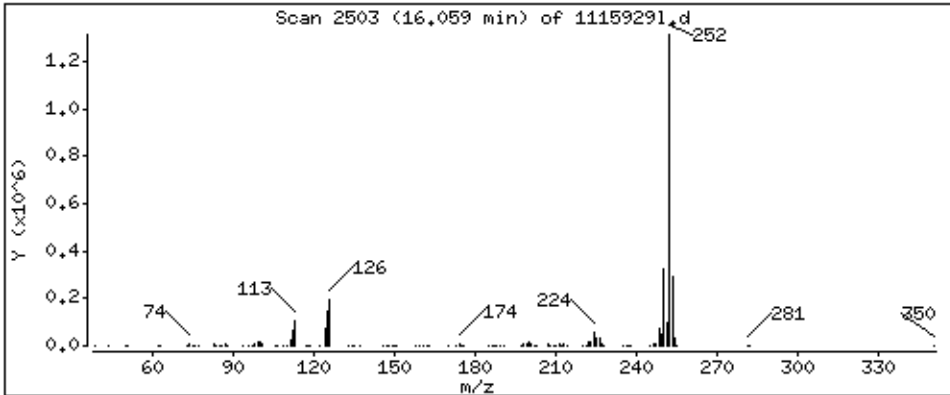
Operator: SN

Column phase: .50um DB-5ms

Column diameter: 0,25

90 Benzo(a)pyrene

Concentration: 2811 ug/Kg



Date : 23-JUN-2014 17:09

Client ID: MBLCS

Instrument: 50MSS2.i

Sample Info: 1115929

Volume Injected (uL): 1.0

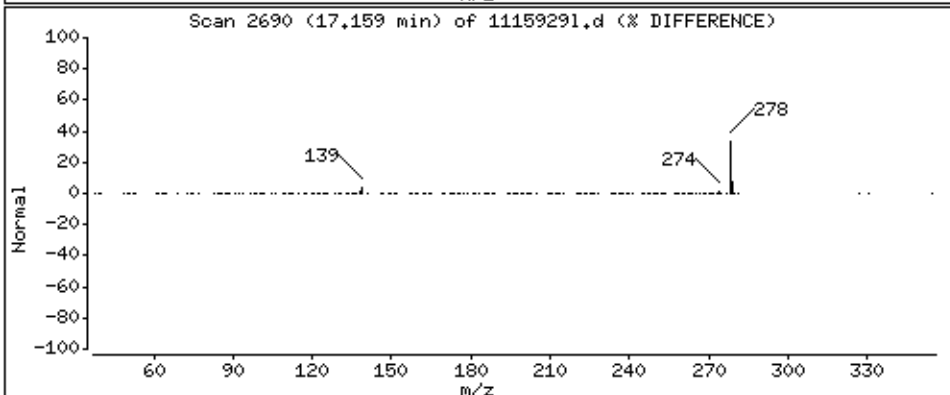
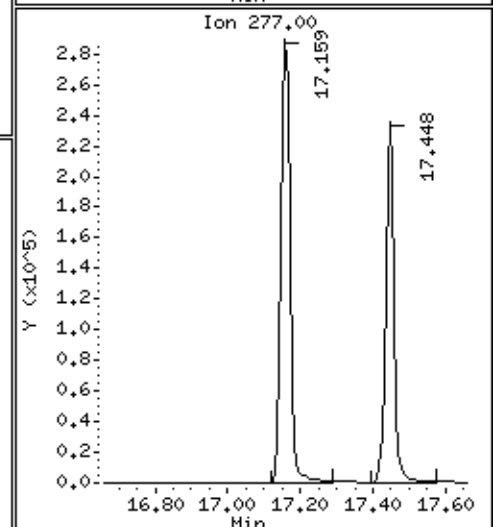
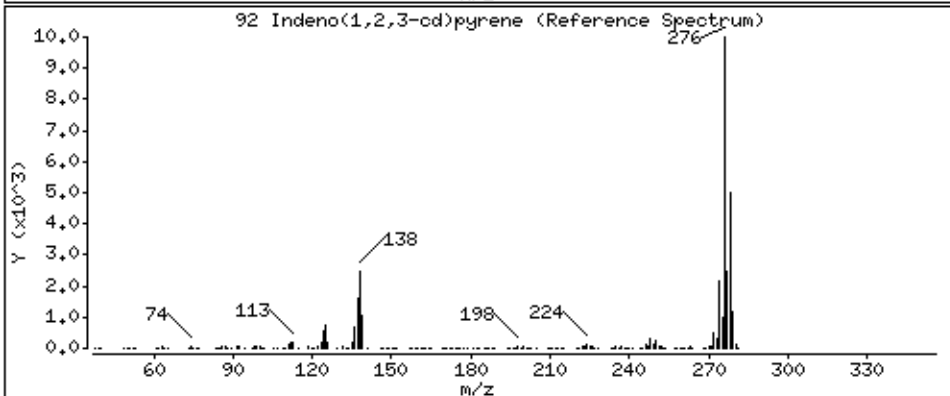
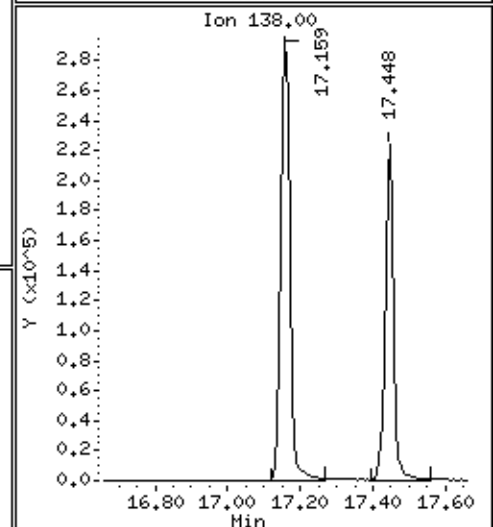
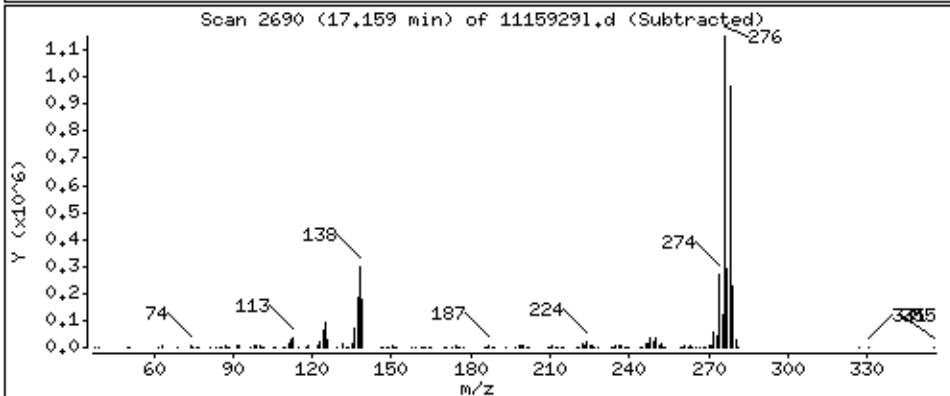
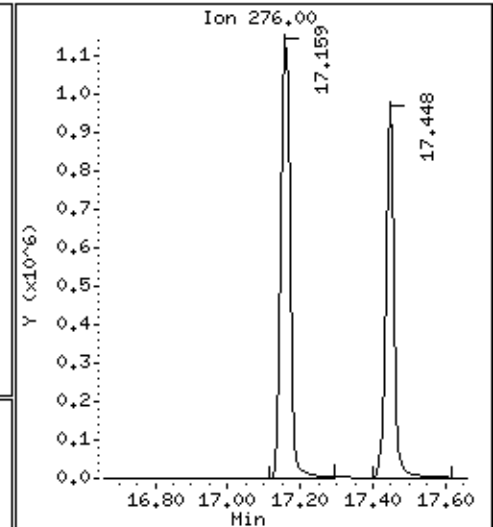
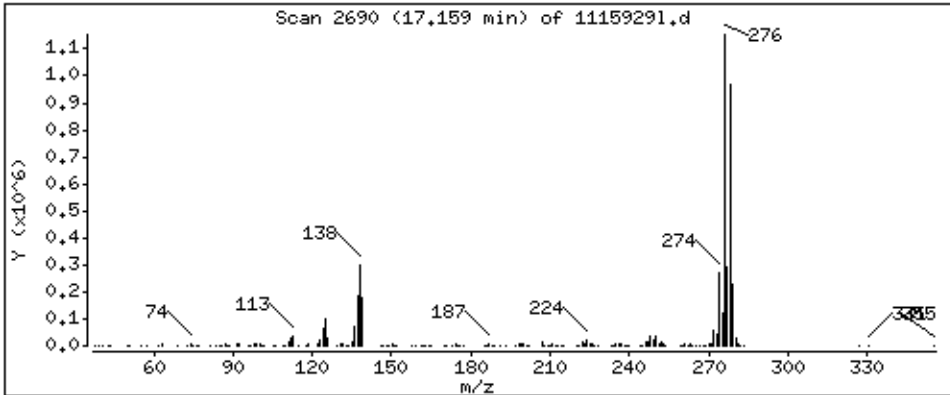
Operator: SN

Column phase: .50um DB-5ms

Column diameter: 0,25

92 Indeno(1,2,3-cd)pyrene

Concentration: 2722 ug/Kg



Date : 23-JUN-2014 17:09

Client ID: MBLCS

Instrument: 50MSS2.i

Sample Info: 1115929

Volume Injected (uL): 1.0

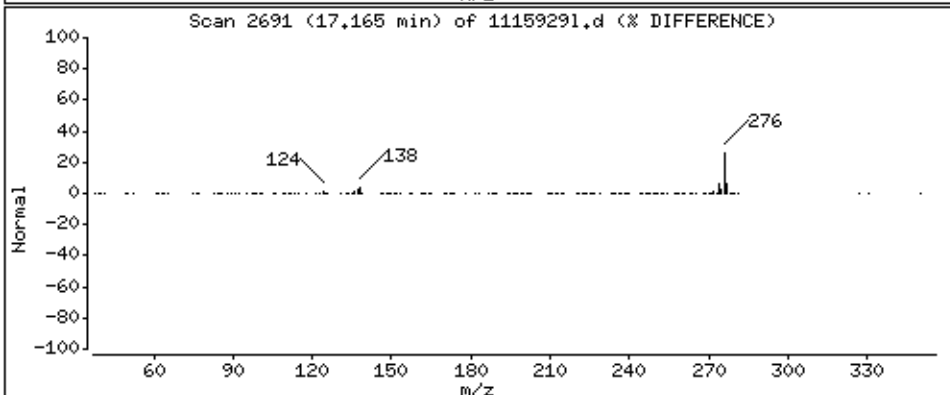
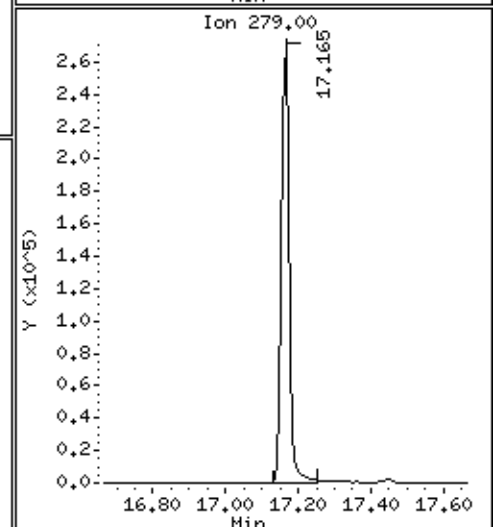
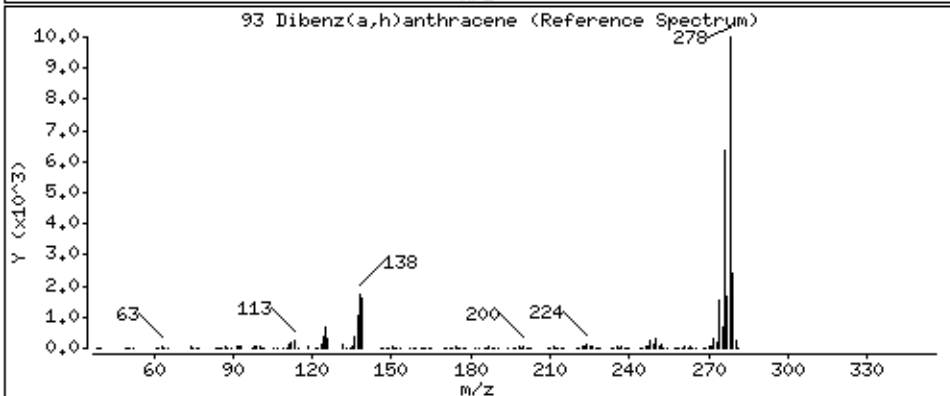
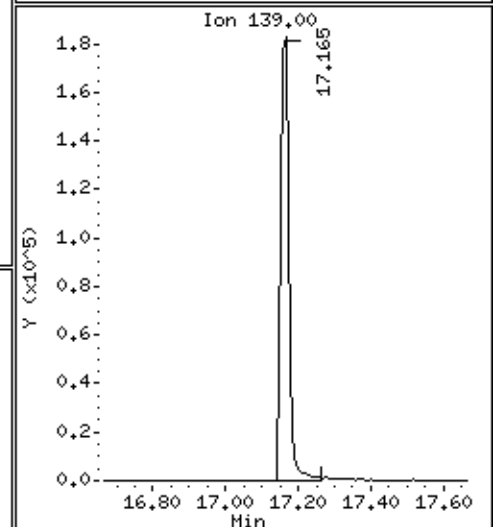
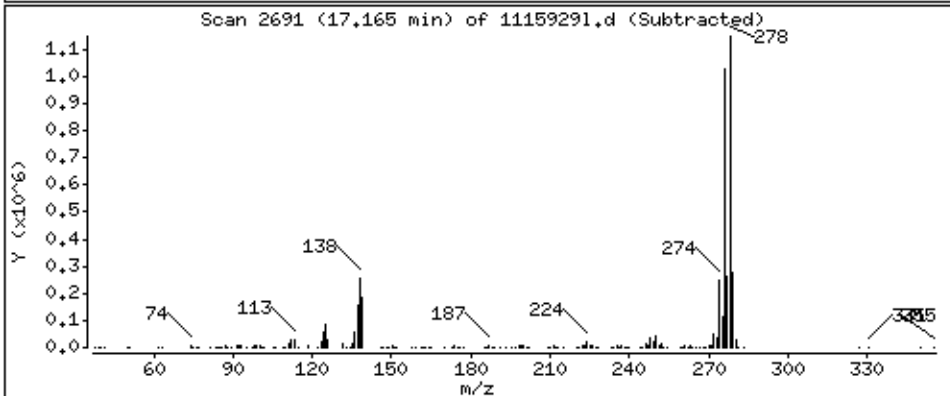
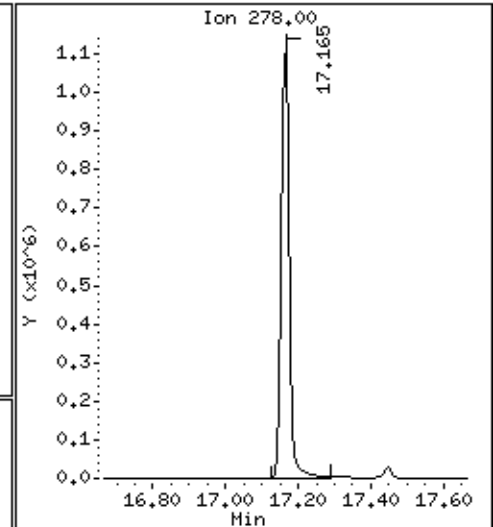
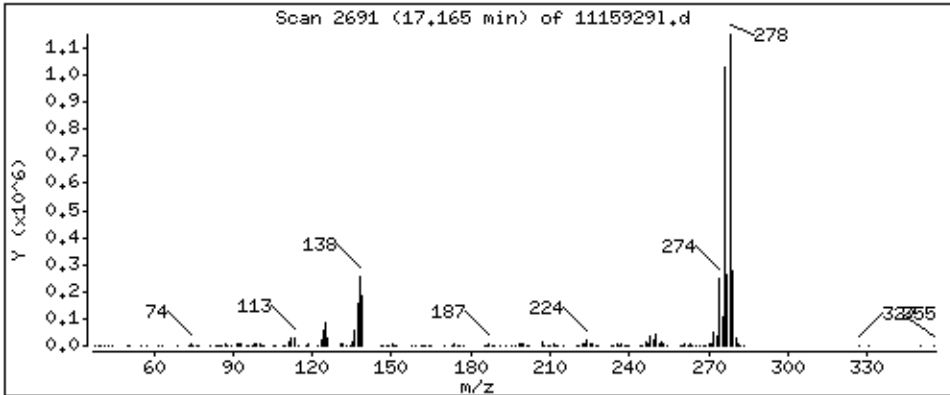
Operator: SN

Column phase: .50um DB-5ms

Column diameter: 0,25

93 Dibenz(a,h)anthracene

Concentration: 2782 ug/Kg



Date : 23-JUN-2014 17:09

Client ID: MBLCS

Instrument: 50MSS2.i

Sample Info: 1115929

Volume Injected (uL): 1.0

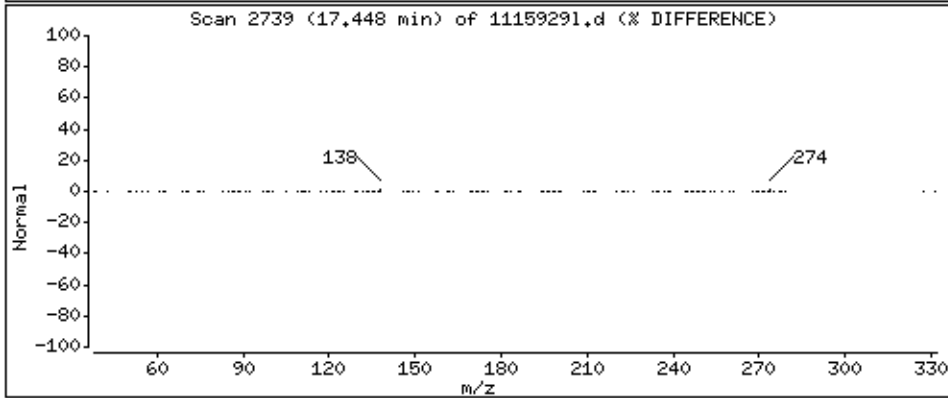
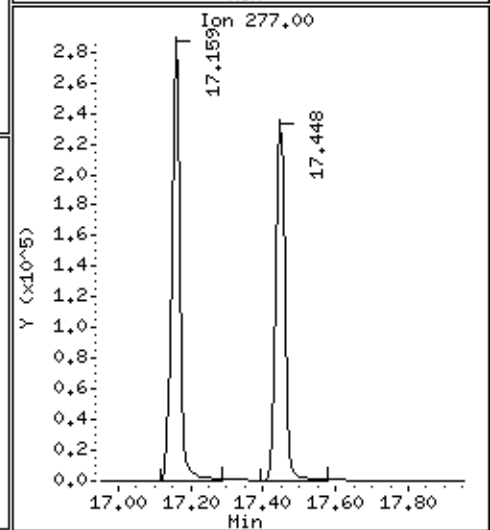
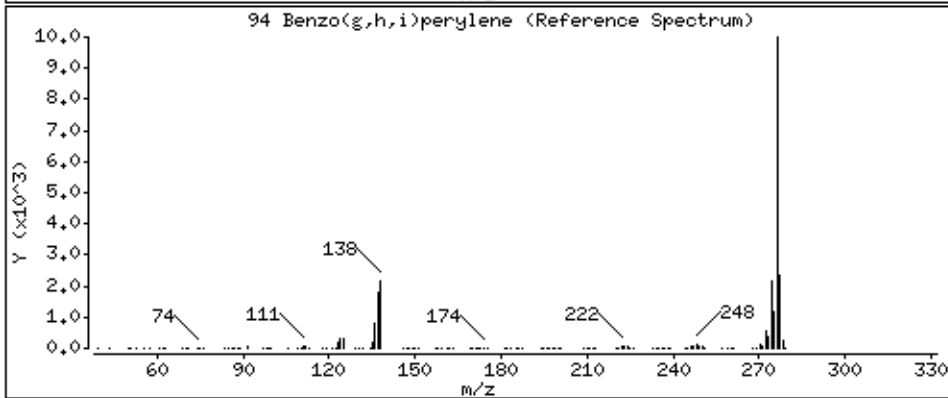
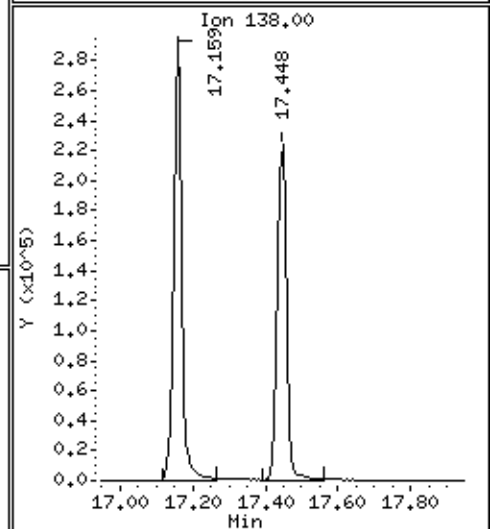
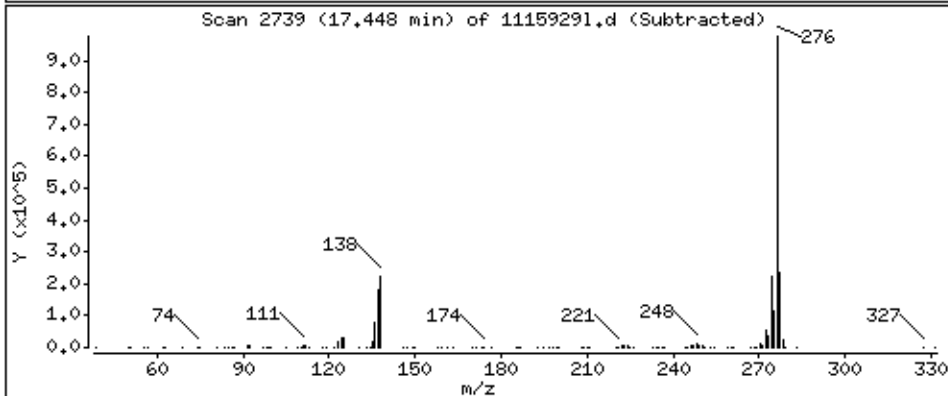
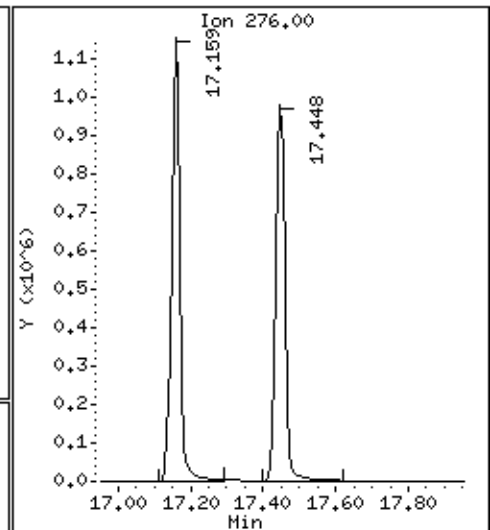
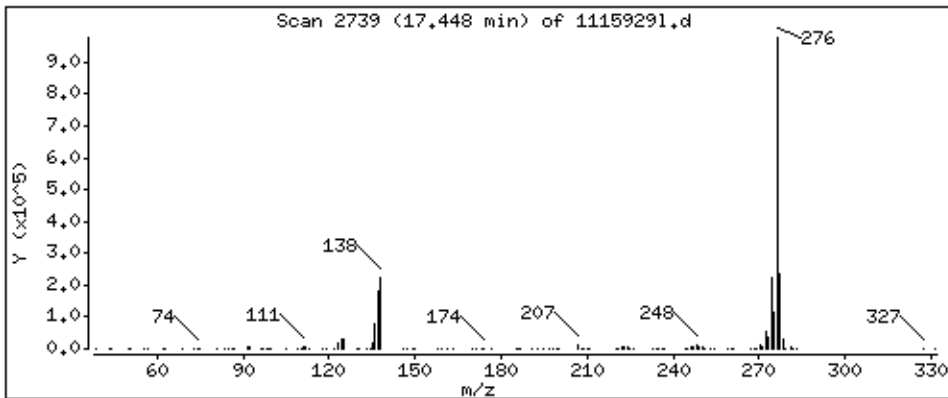
Operator: SN

Column phase: .50um DB-5ms

Column diameter: 0,25

94 Benzo(g,h,i)perylene

Concentration: 2735 ug/Kg



MSSV FULL SCAN - FORM I SVOA-1
SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

LCS

Lab Name: Pace Analytical - Indiana

Contract: Sibley - Accucast

Date Received: _____

Matrix: Solid SDG No.: 5099627

Date Extracted: 06/24/2014 14:24

Lab Sample ID: 1116665

Date Analyzed: 06/25/2014 12:57

Lab File ID: 062514.B\1116665L.D

Initial wt/vol: 30 g Final wt/vol: 1 mL Dilution: 1

Instrument: 50MSS2 Percent Moisture: _____

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
83-32-9	Acenaphthene	2420	
208-96-8	Acenaphthylene	2440	
120-12-7	Anthracene	2560	
56-55-3	Benzo(a)anthracene	2620	
50-32-8	Benzo(a)pyrene	2690	
205-99-2	Benzo(b)fluoranthene	2410	
191-24-2	Benzo(g,h,i)perylene	2660	
207-08-9	Benzo(k)fluoranthene	2710	
59-50-7	4-Chloro-3-methylphenol	2420	
95-57-8	2-Chlorophenol	2370	
218-01-9	Chrysene	2720	
53-70-3	Dibenz(a,h)anthracene	2710	
121-14-2	2,4-Dinitrotoluene	2580	
206-44-0	Fluoranthene	2650	
86-73-7	Fluorene	2550	
193-39-5	Indeno(1,2,3-cd)pyrene	2650	
91-57-6	2-Methylnaphthalene	2340	
91-20-3	Naphthalene	2280	
100-02-7	4-Nitrophenol	2330	
621-64-7	N-Nitroso-di-n-propylamine	2370	
87-86-5	Pentachlorophenol	1910	
85-01-8	Phenanthrene	2500	
108-95-2	Phenol	2410	
129-00-0	Pyrene	2670	

07/18/2014 8:51

Pace Analytical Services, Inc.

Semivolatile REPORT SW-846 Method 8270/EPA 625

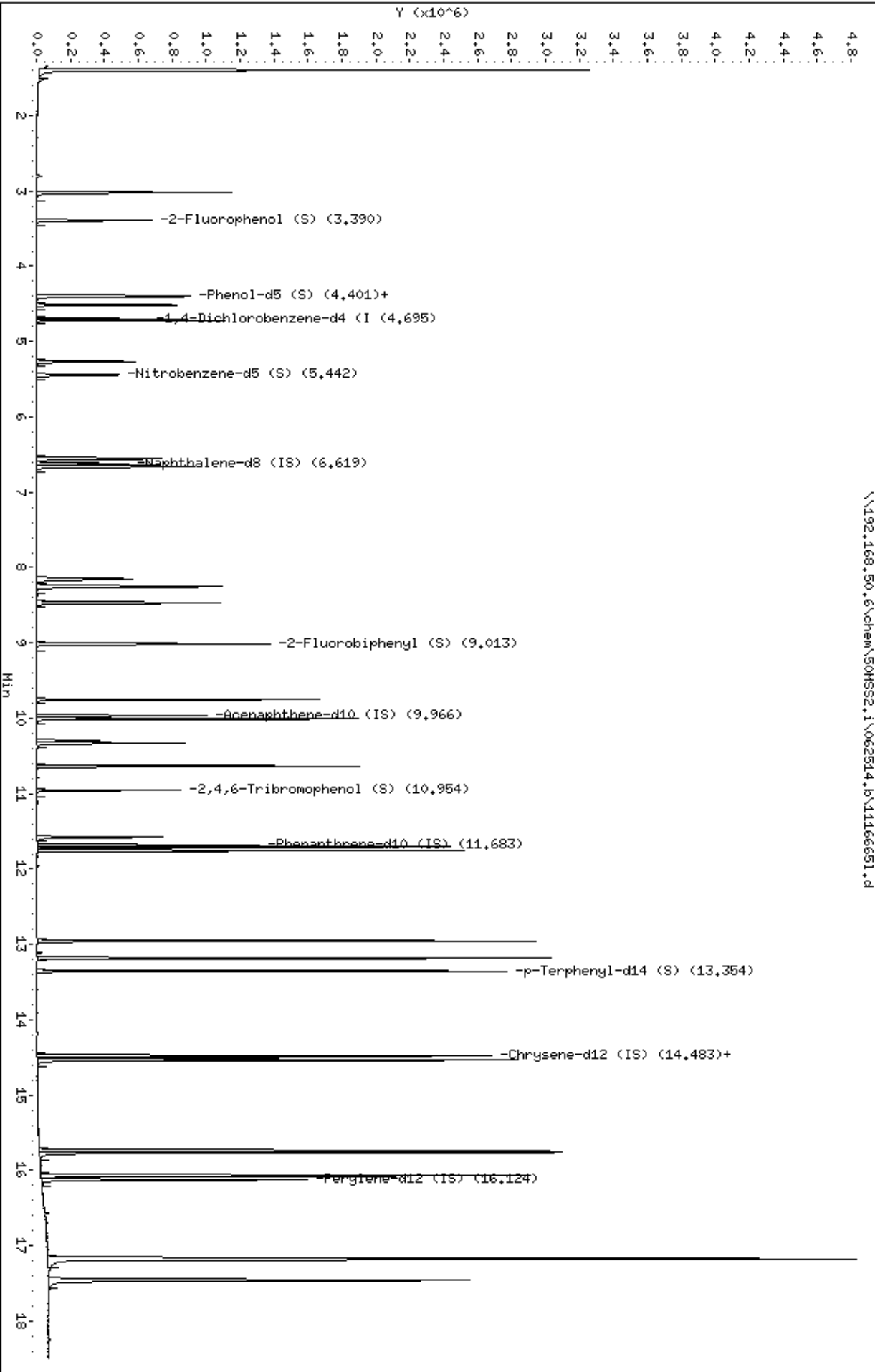
Data file : \\192.168.50.6\chem\50MSS2.i\062514.b\11166651.d
 Lab Smp Id: 1116665 Client Smp ID: MBLCS
 Inj Date : 25-JUN-2014 12:57
 Operator : SN Inst ID: 50MSS2.i
 Smp Info : 1116665
 Misc Info : 15571
 Comment :
 Method : \\192.168.50.6\chem\50MSS2.i\062514.b\8270c.m
 Meth Date : 26-Jun-2014 10:12 50MSS2.i Quant Type: ISTD
 Cal Date : 09-JUN-2014 14:49 Cal File: 100ppm.d
 Als bottle: 5 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 (ug/ml)	FINAL (ug/Kg)
			MASS	RT	EXP RT	REL RT		
\$ 3 2-Fluorophenol (S)	112		3.389	3.389	(0.722)	228910	71.1198	2371
\$ 6 Phenol-d5 (S)	99		4.389	4.395	(0.935)	294720	72.5253	2418
7 Phenol	94		4.407	4.407	(0.939)	309239	72.2377	2408
9 2-Chlorophenol	128		4.513	4.513	(0.961)	271233	71.0484	2368
* 11 1,4-Dichlorobenzene-d4 (IS)	152		4.695	4.695	(1.000)	113148	40.0000	
12 1,4-Dichlorobenzene	146		4.712	4.713	(1.004)	291099	68.0784	2269
21 N-Nitroso-di-n-propylamine	70		5.265	5.271	(1.122)	160816	71.0461	2368
\$ 23 Nitrobenzene-d5 (S)	82		5.442	5.442	(0.822)	227582	68.3114	2277
31 1,2,4-Trichlorobenzene	180		6.554	6.554	(0.990)	256067	71.3325	2378
* 32 Naphthalene-d8 (IS)	136		6.618	6.618	(1.000)	435192	40.0000	
33 Naphthalene	128		6.659	6.660	(1.006)	768554	68.4975	2283
38 4-Chloro-3-methylphenol	107		8.148	8.159	(1.231)	220403	72.7367	2424
39 2-Methylnaphthalene	142		8.253	8.254	(1.247)	541166	70.2023	2340
41 1-Methylnaphthalene	142		8.465	8.465	(1.279)	483365	63.7610	2125
\$ 46 2-Fluorobiphenyl (S)	172		9.012	9.012	(0.904)	598816	69.6196	2321
51 Acenaphthylene	152		9.753	9.753	(0.979)	891624	73.2627	2442
* 53 Acenaphthene-d10 (IS)	164		9.965	9.965	(1.000)	255016	40.0000	
55 Acenaphthene	153		10.006	10.006	(1.004)	549744	72.6410	2421
58 4-Nitrophenol	109		10.294	10.300	(1.033)	67690	69.8905	2330

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN (ug/ml)	FINAL (ug/Kg)
59 2,4-Dinitrotoluene	165	10.330	10.330	(1.037)	192073	77.4896	2583
61 Fluorene	166	10.636	10.642	(1.067)	648724	76.3756	2546
\$ 67 2,4,6-Tribromophenol (S)	330	10.959	10.959	(0.938)	135290	72.8737	2429
71 Pentachlorophenol	266	11.577	11.577	(0.991)	115196	57.2517	1908
* 72 Phenanthrene-d10 (IS)	188	11.683	11.683	(1.000)	500819	40.0000	
73 Phenanthrene	178	11.706	11.706	(1.002)	1006426	74.8988	2497
74 Anthracene	178	11.753	11.753	(1.006)	1038669	76.8412	2561
77 Fluoranthene	202	12.953	12.953	(1.109)	1214829	79.3993	2647
79 Pyrene	202	13.183	13.177	(1.128)	1283296	80.0898	2670
\$ 80 p-Terphenyl-d14 (S)	244	13.353	13.347	(1.143)	925944	90.0378	3001
82 Benzo(a)anthracene	228	14.482	14.477	(0.998)	1331283	78.6042	2620
* 84 Chrysene-d12 (IS)	240	14.506	14.500	(1.000)	662580	40.0000	
85 Chrysene	228	14.535	14.535	(1.002)	1296808	81.4889	2716
88 Benzo(b)fluoranthene	252	15.735	15.730	(0.976)	1459367	72.1951	2406
89 Benzo(k)fluoranthene	252	15.765	15.759	(0.978)	1714039	81.3958	2713
90 Benzo(a)pyrene	252	16.071	16.065	(0.997)	1478247	80.8278	2694
* 91 Perylene-d12 (IS)	264	16.124	16.118	(1.000)	668159	40.0000	
92 Indeno(1,2,3-cd)pyrene	276	17.171	17.165	(1.065)	1897901	79.5790	2653
93 Dibenz(a,h)anthracene	278	17.176	17.171	(1.065)	1560103	81.4042	2713
94 Benzo(g,h,i)perylene	276	17.459	17.453	(1.083)	1605614	79.9002	2663



Date : 25-JUN-2014 12:57

Client ID: MBLCS

Instrument: 50MSS2.i

Sample Info: 1116665

Volume Injected (uL): 1.0

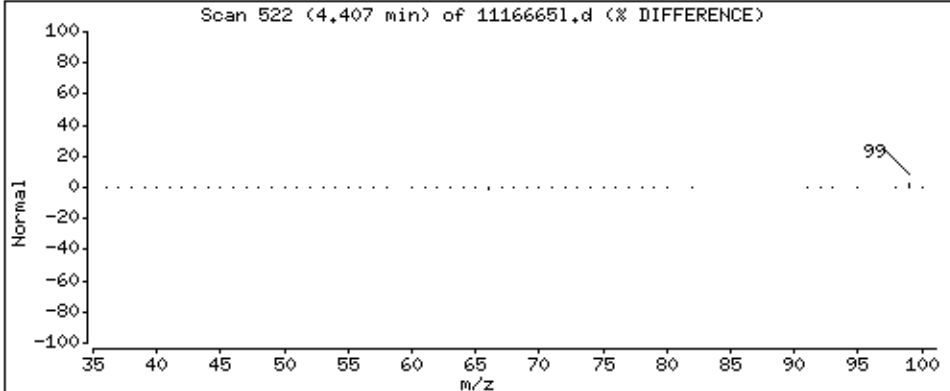
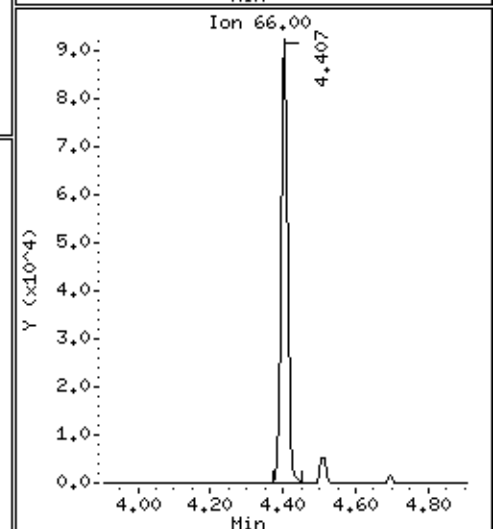
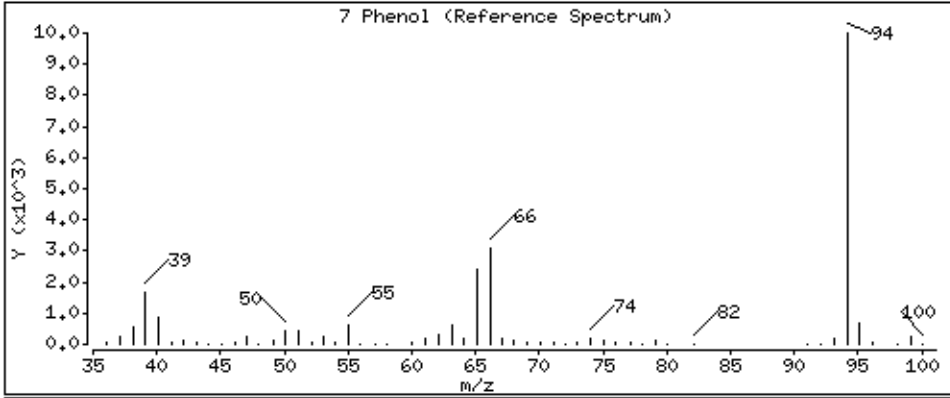
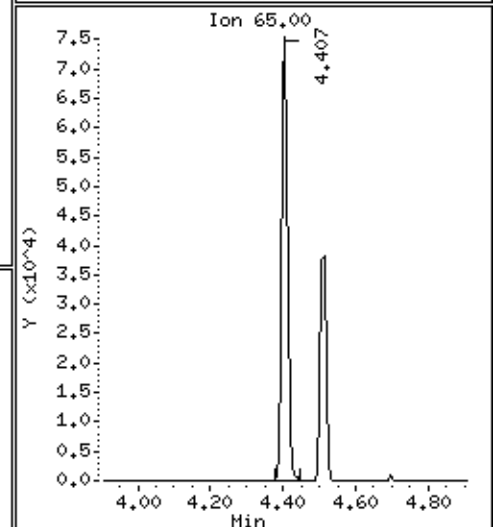
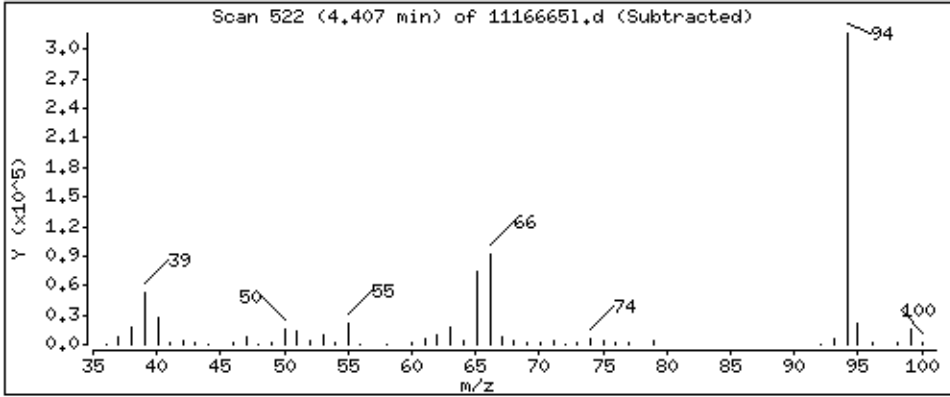
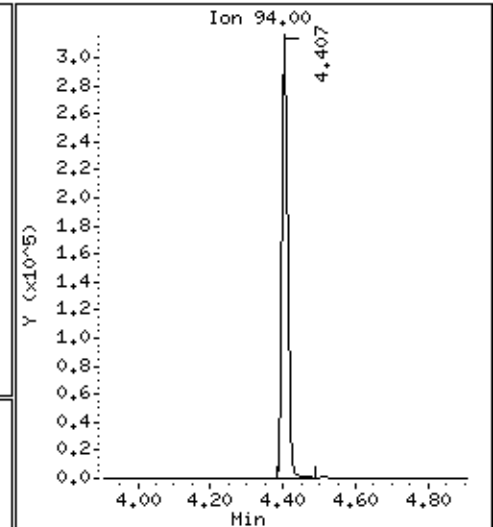
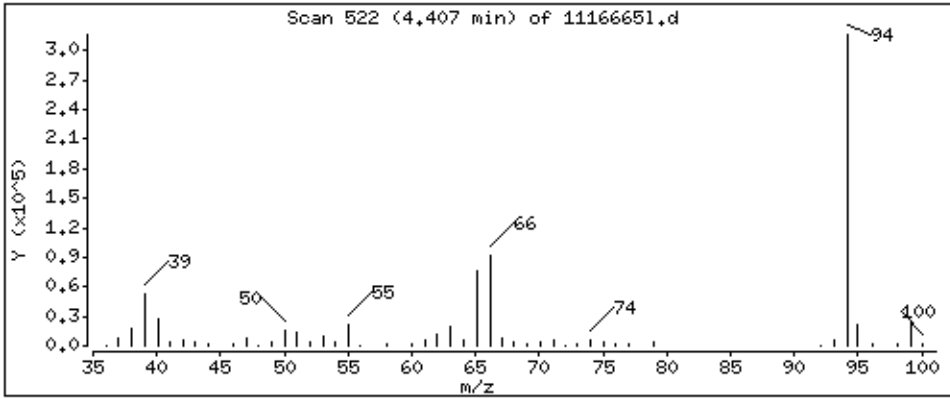
Operator: SN

Column phase: .50um DB-5ms

Column diameter: 0,25

7 Phenol

Concentration: 2408 ug/Kg



Date : 25-JUN-2014 12:57

Client ID: MBLCS

Instrument: 50MSS2.i

Sample Info: 1116665

Volume Injected (uL): 1.0

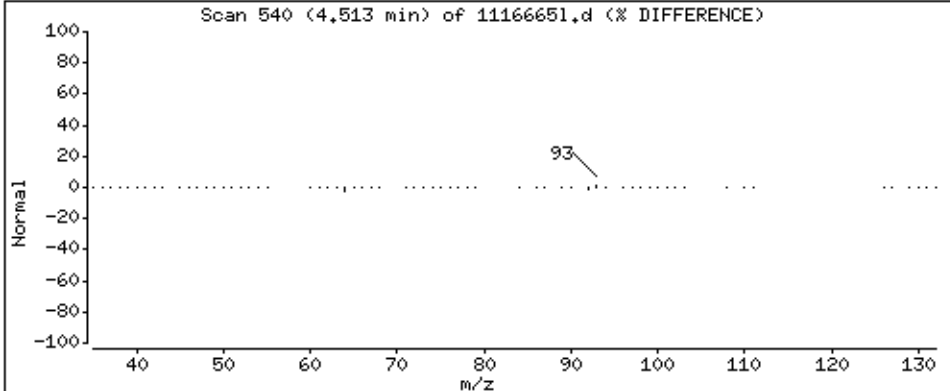
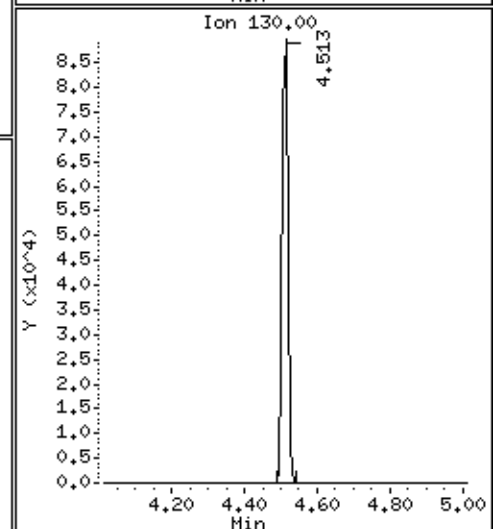
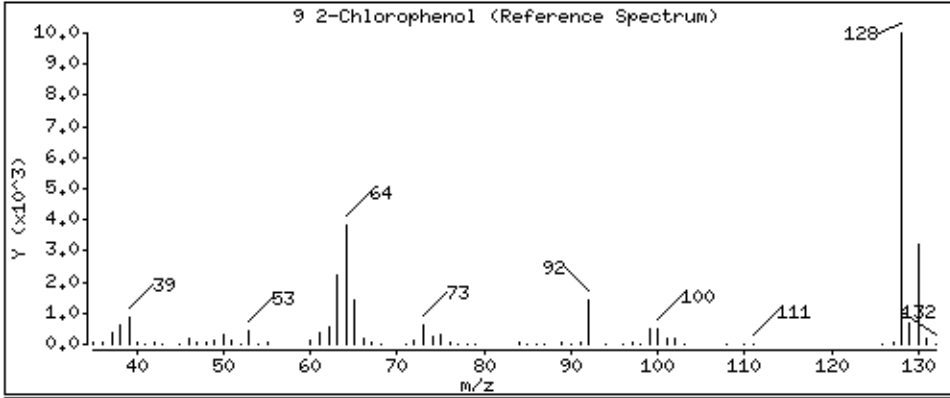
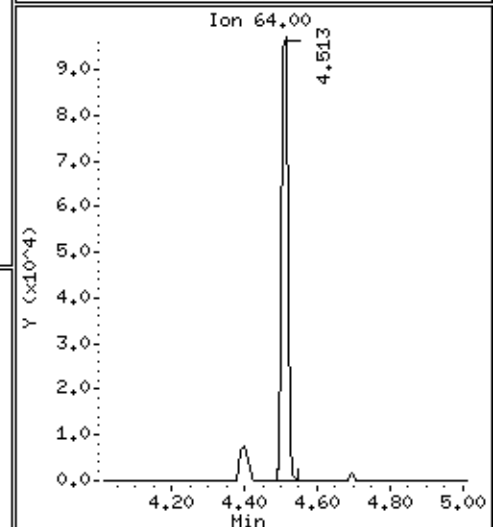
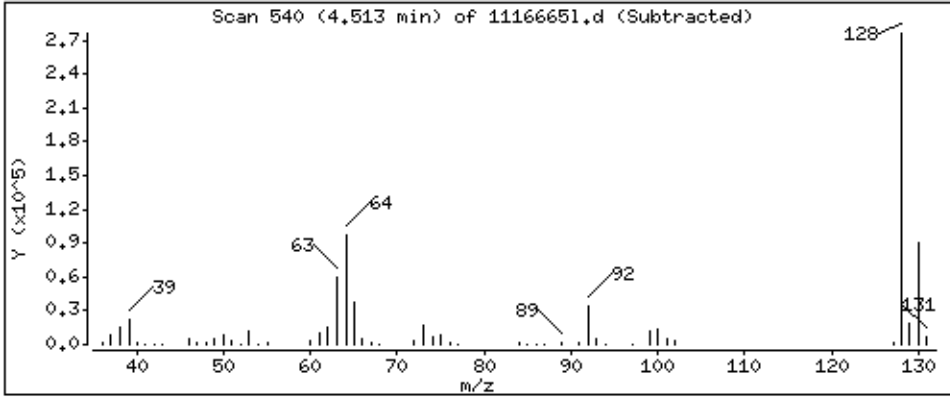
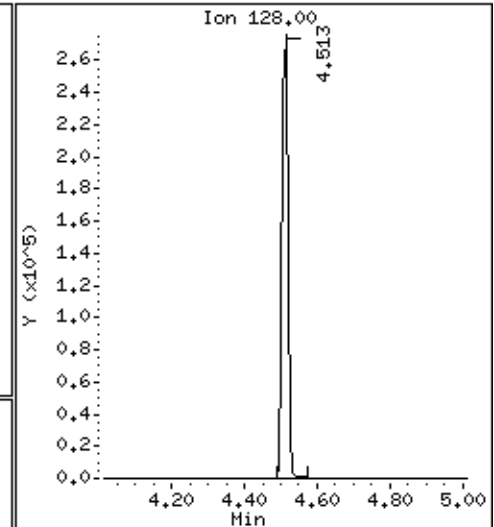
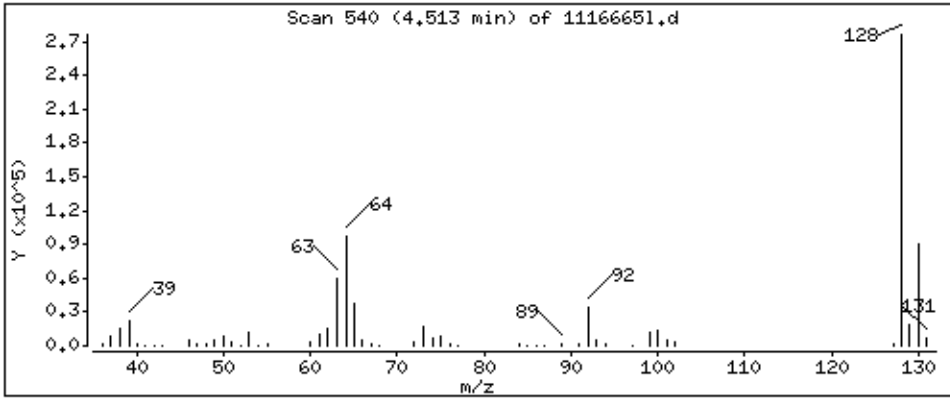
Operator: SN

Column phase: .50um DB-5ms

Column diameter: 0,25

9 2-Chlorophenol

Concentration: 2368 ug/Kg



Date : 25-JUN-2014 12:57

Client ID: MBLCS

Instrument: 50MSS2.i

Sample Info: 1116665

Volume Injected (uL): 1.0

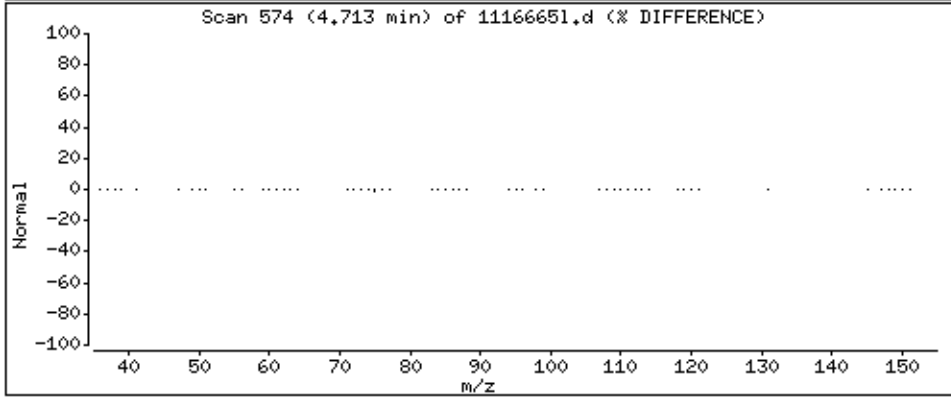
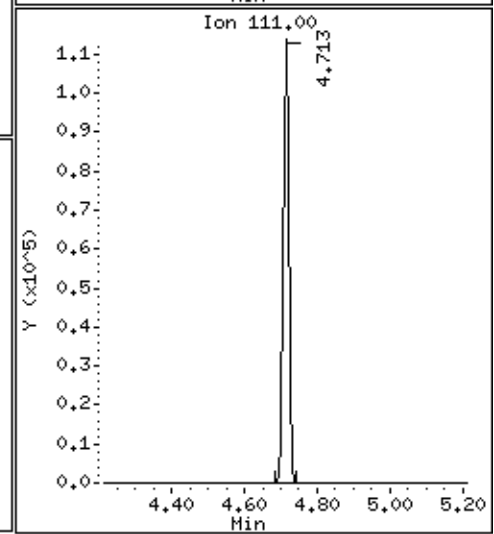
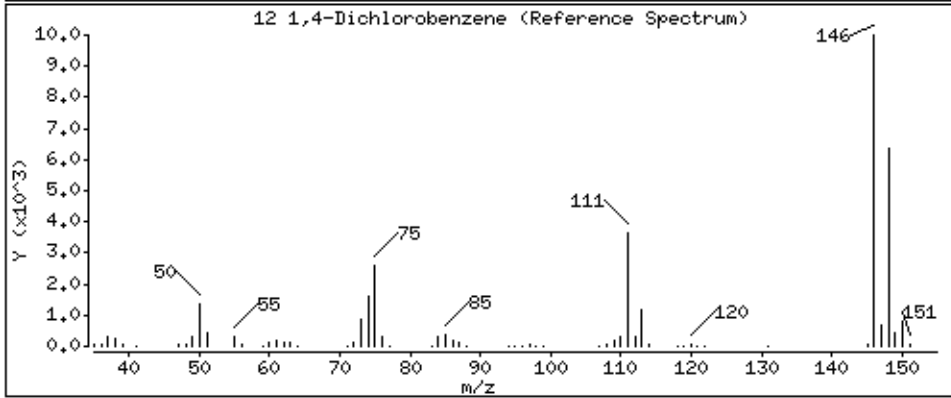
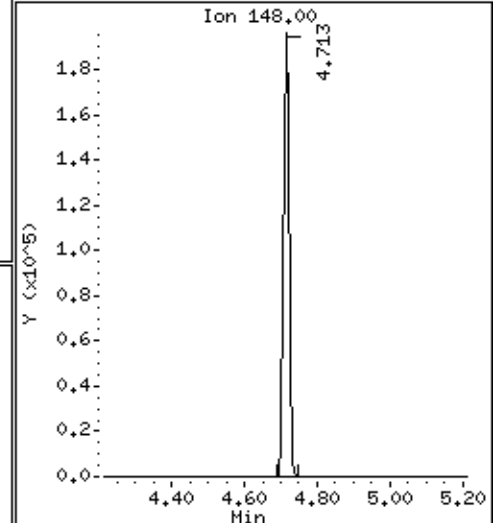
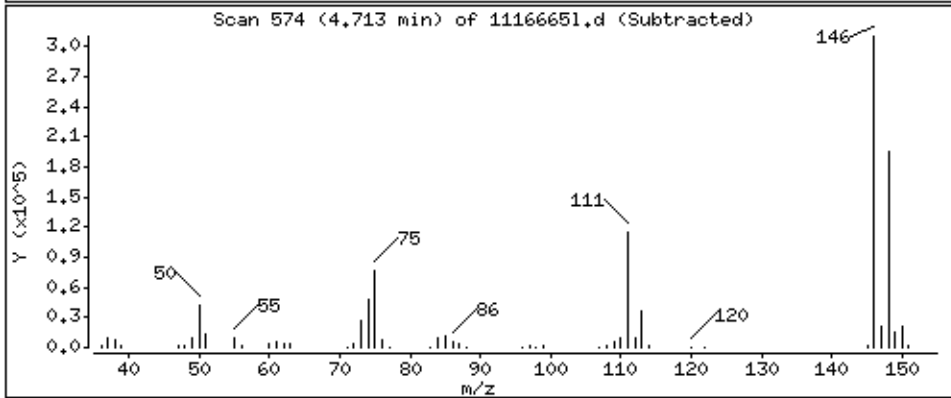
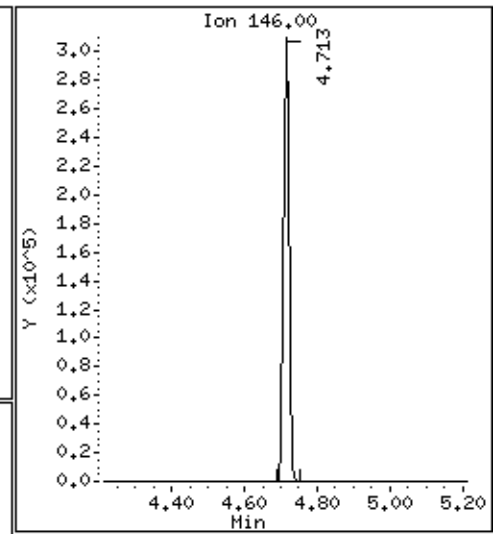
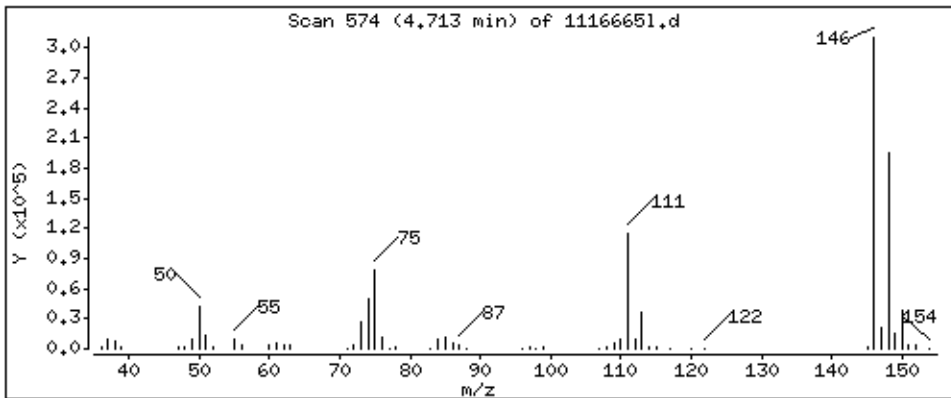
Operator: SN

Column phase: .50um DB-5ms

Column diameter: 0,25

12 1,4-Dichlorobenzene

Concentration: 2269 ug/Kg



Date : 25-JUN-2014 12:57

Client ID: MBLCS

Instrument: 50MSS2.i

Sample Info: 1116665

Volume Injected (uL): 1.0

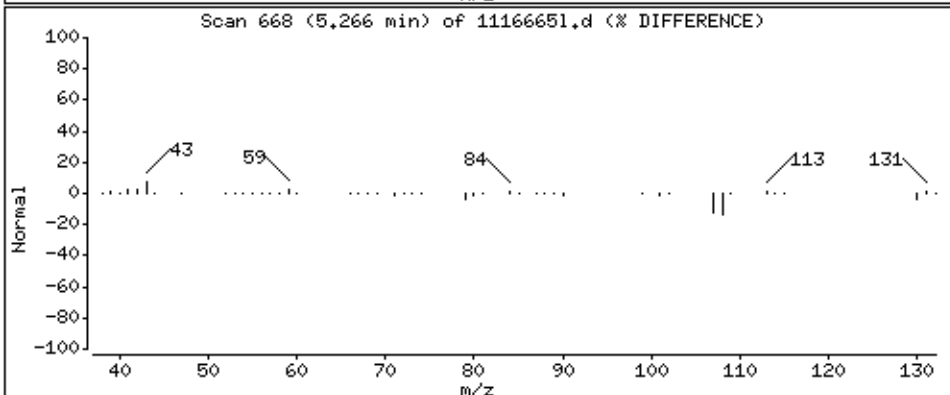
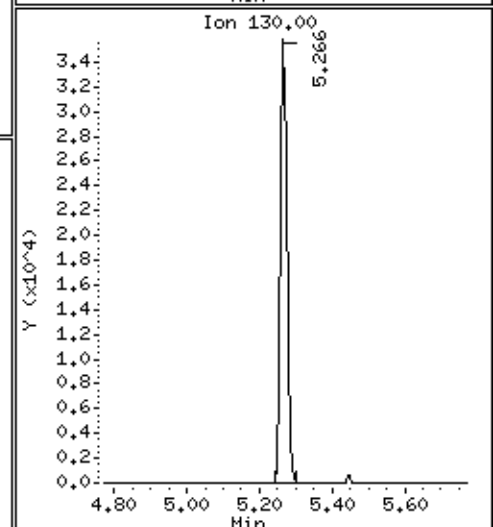
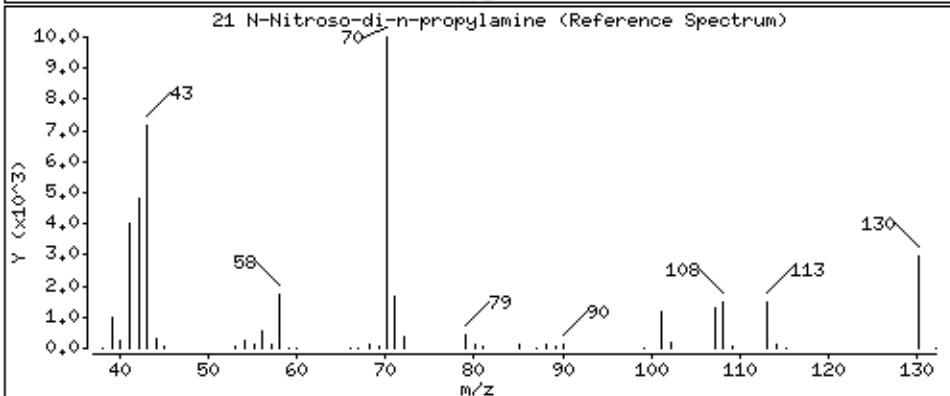
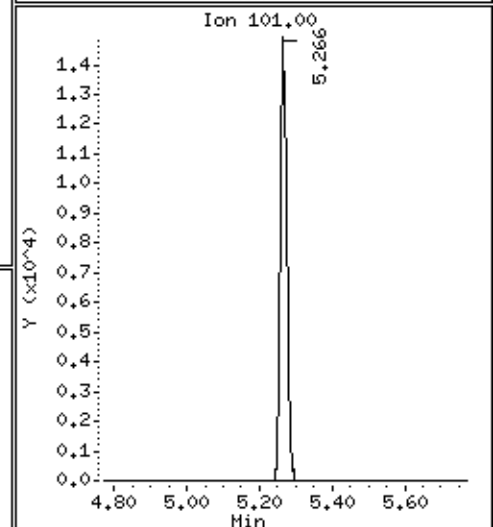
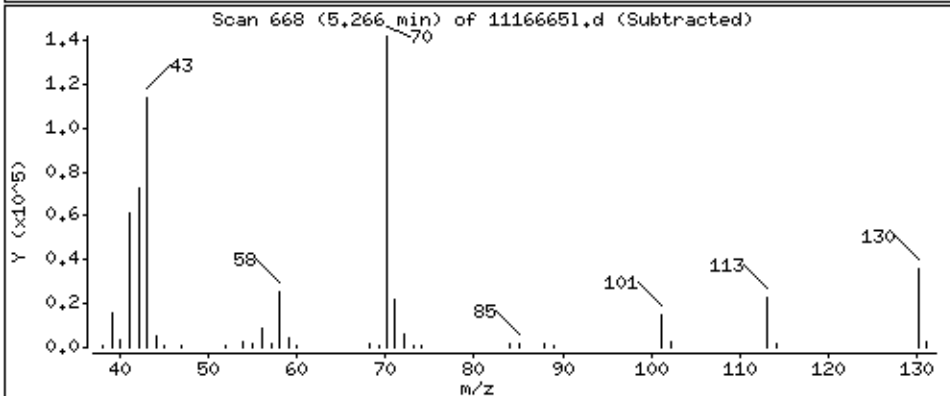
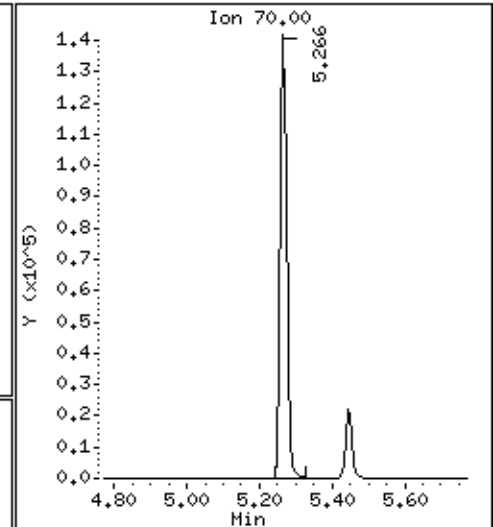
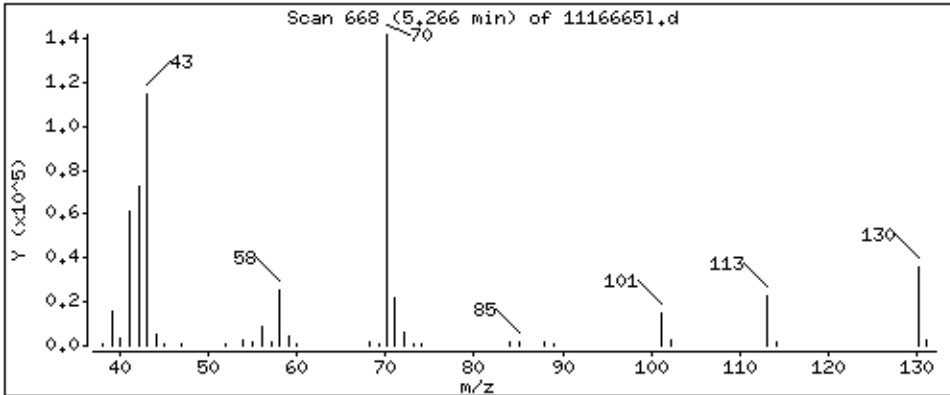
Operator: SN

Column phase: .50um DB-5ms

Column diameter: 0,25

21 N-Nitroso-di-n-propylamine

Concentration: 2368 ug/Kg



Date : 25-JUN-2014 12:57

Client ID: MBLCS

Instrument: 50MSS2.i

Sample Info: 1116665

Volume Injected (uL): 1.0

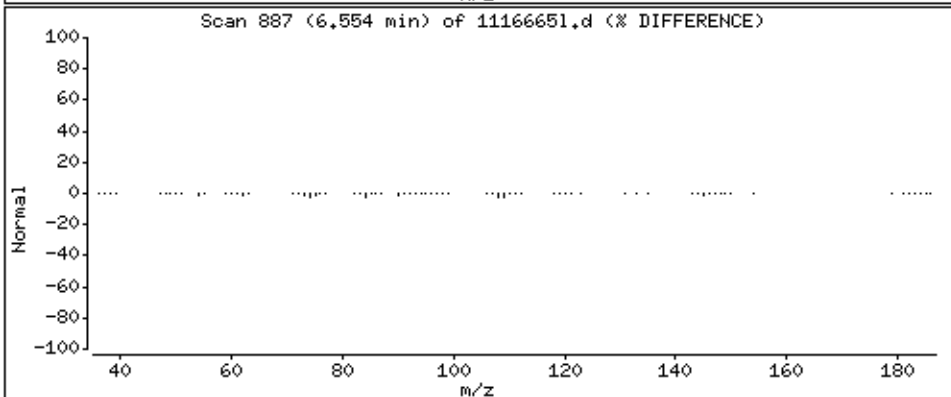
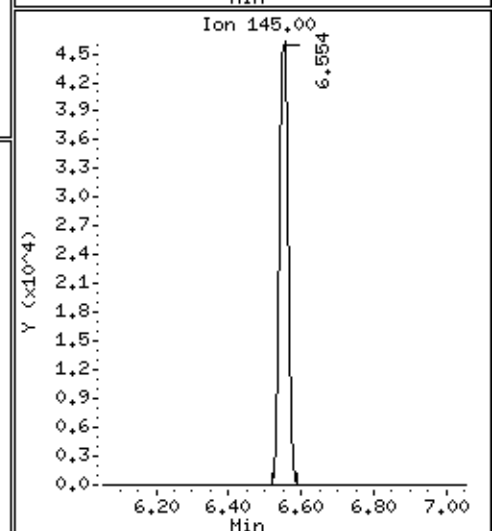
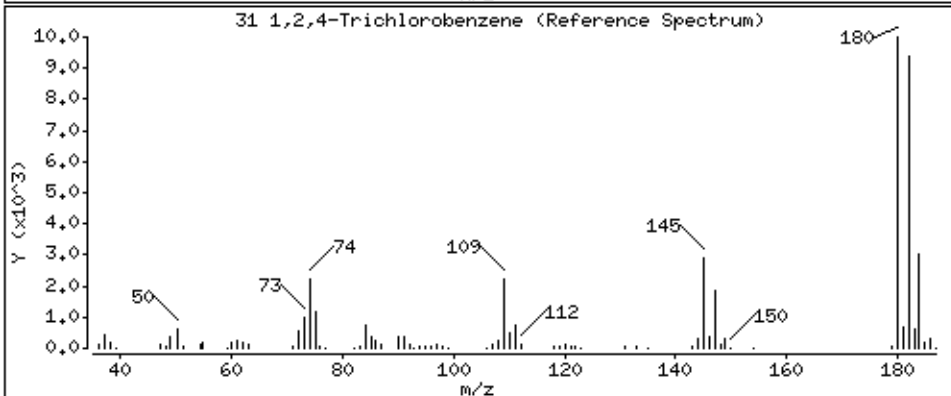
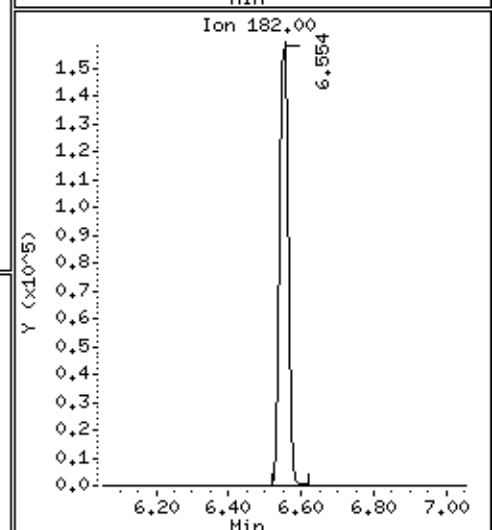
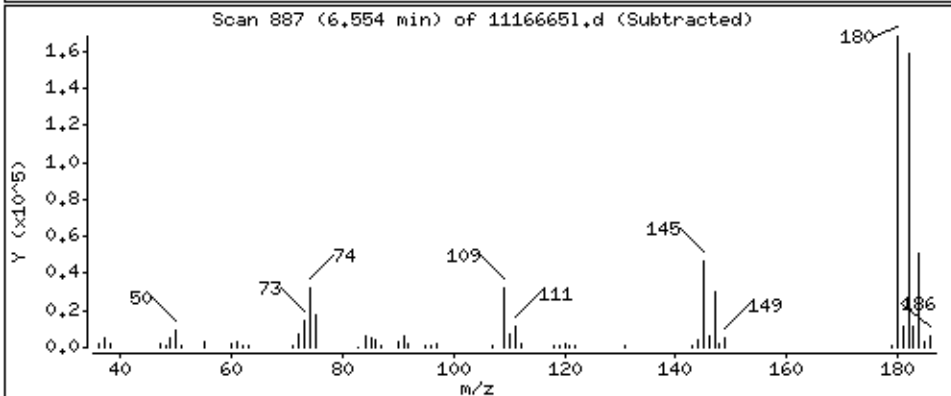
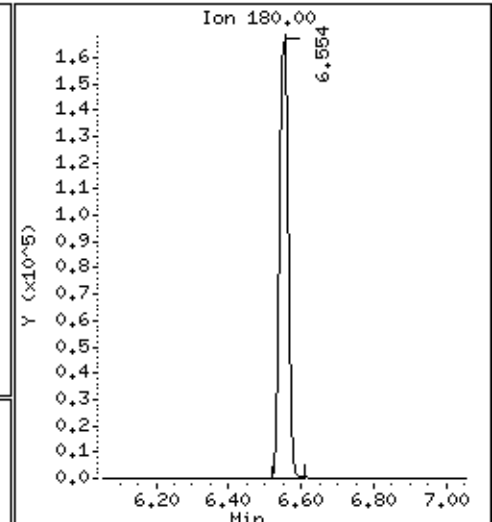
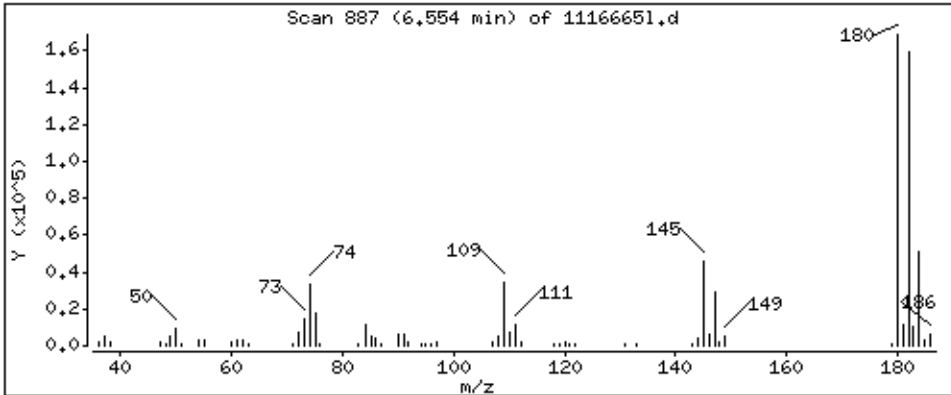
Operator: SN

Column phase: .50um DB-5ms

Column diameter: 0,25

31 1,2,4-Trichlorobenzene

Concentration: 2378 ug/Kg



Date : 25-JUN-2014 12:57

Client ID: MBLCS

Instrument: 50MSS2.i

Sample Info: 1116665

Volume Injected (uL): 1.0

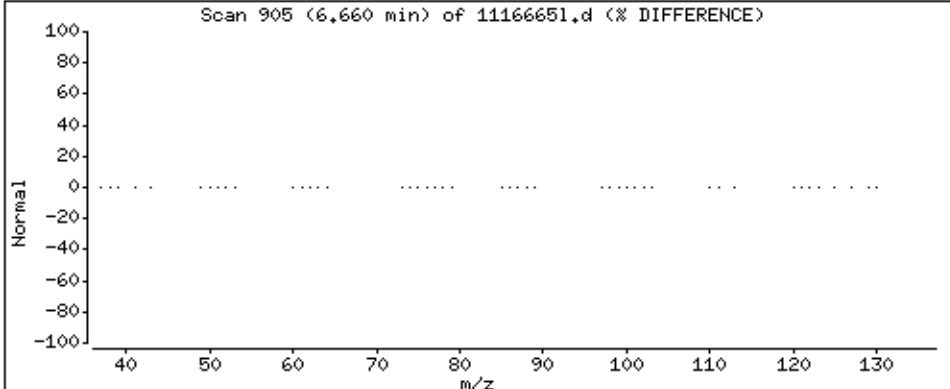
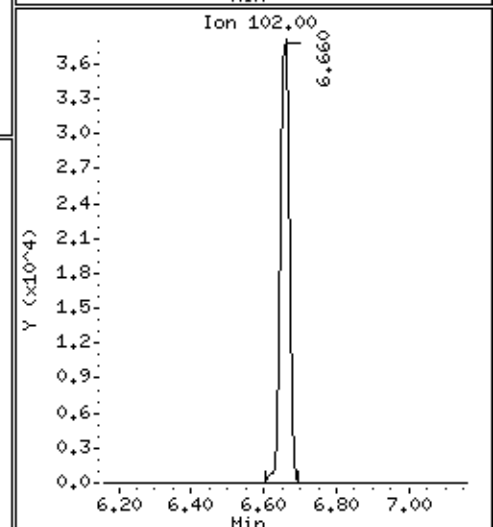
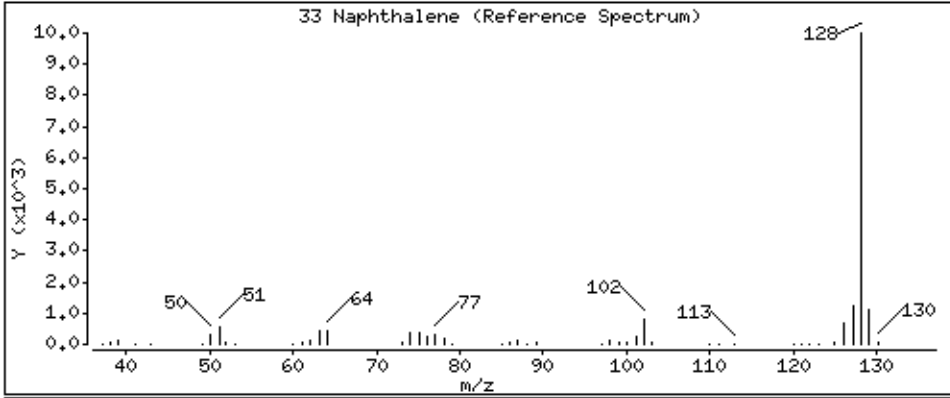
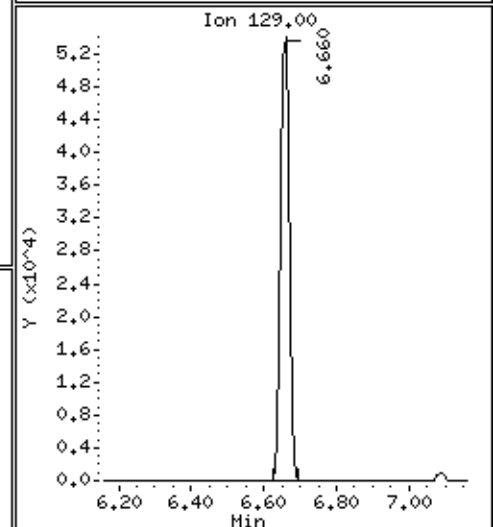
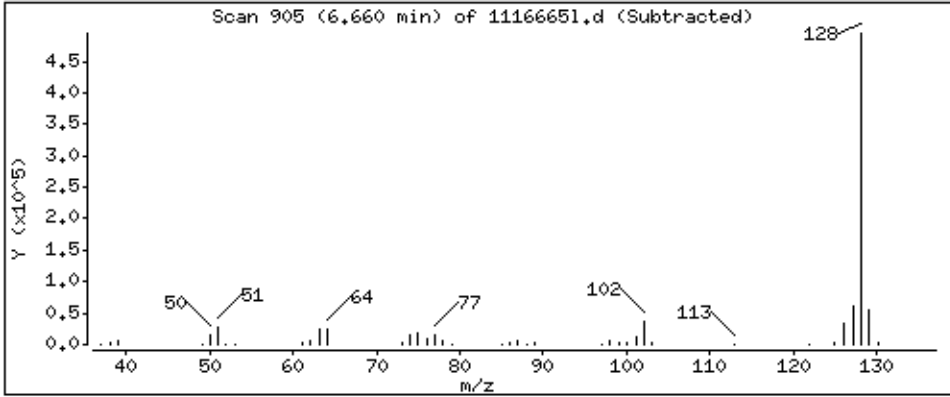
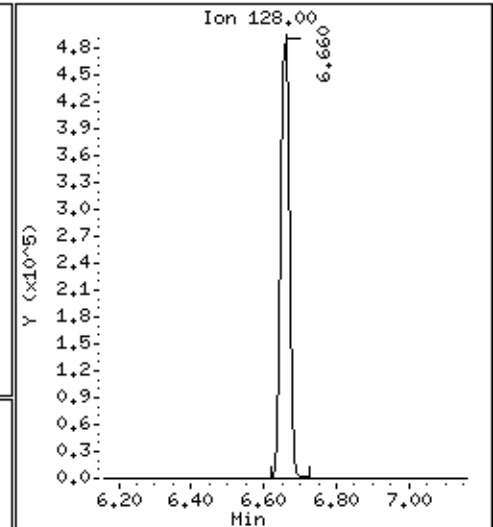
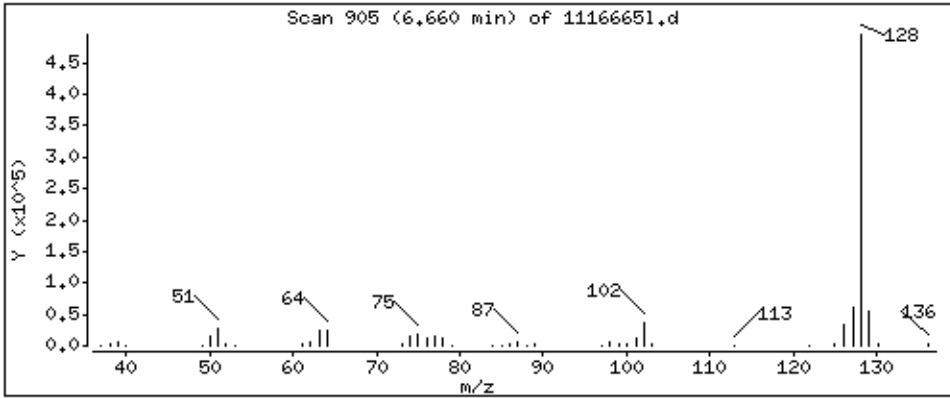
Operator: SN

Column phase: .50um DB-5ms

Column diameter: 0,25

33 Naphthalene

Concentration: 2283 ug/Kg



Date : 25-JUN-2014 12:57

Client ID: MBLCS

Instrument: 50MSS2.i

Sample Info: 1116665

Volume Injected (uL): 1.0

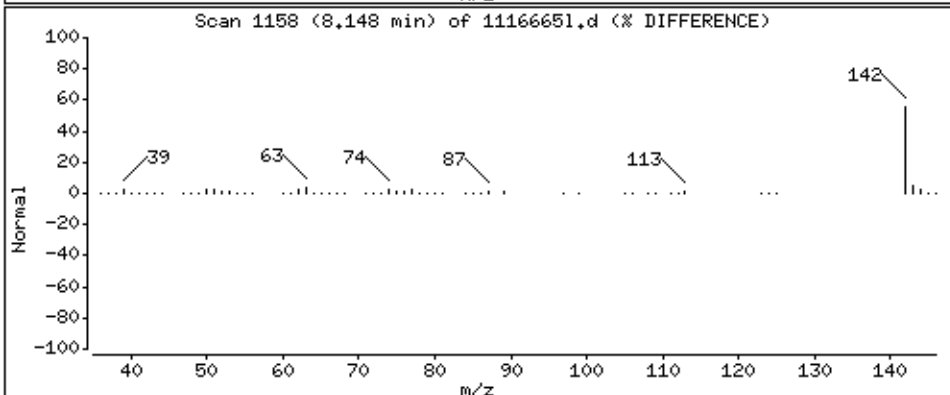
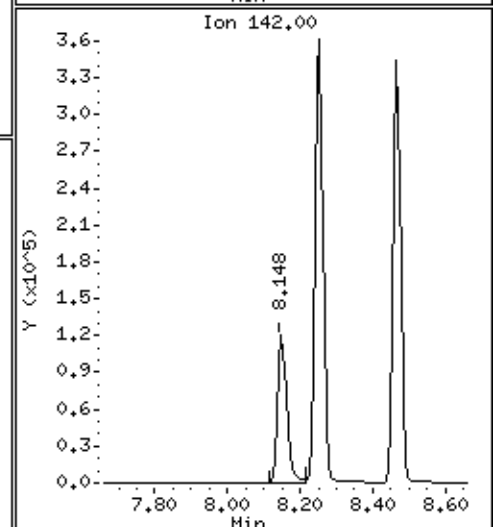
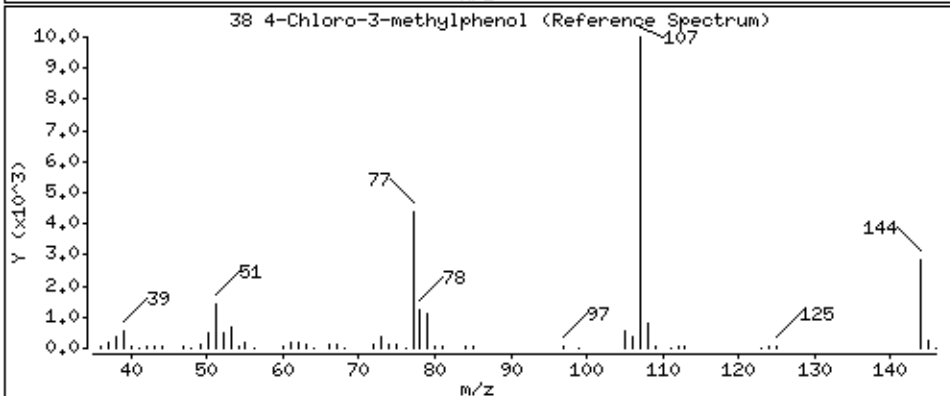
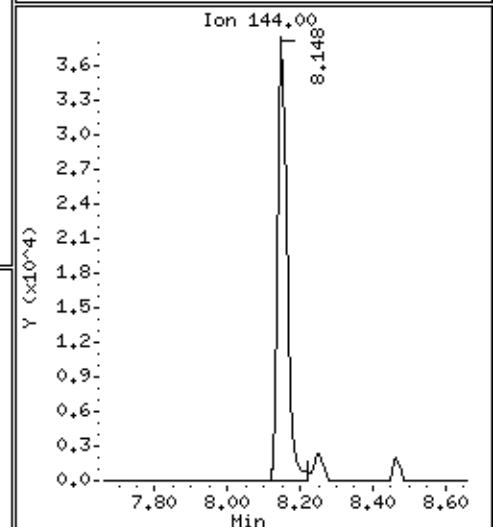
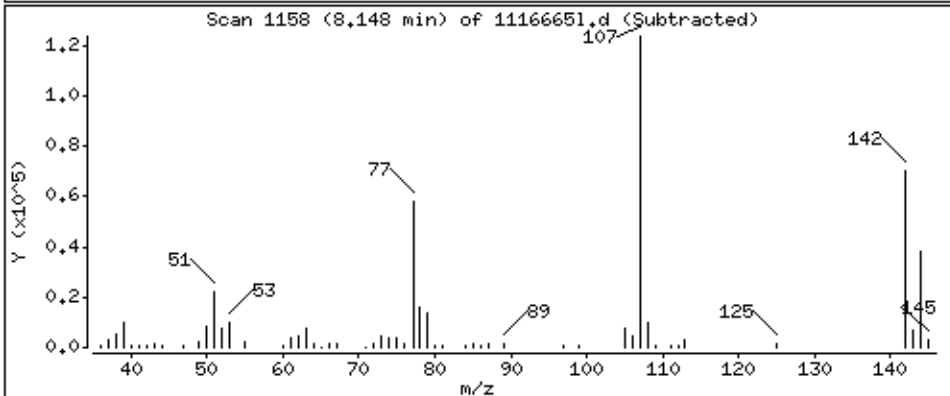
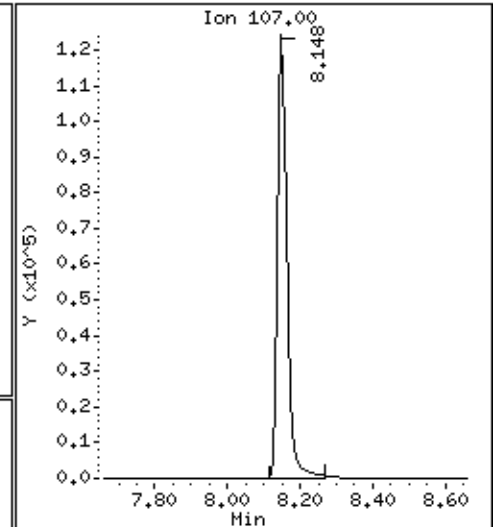
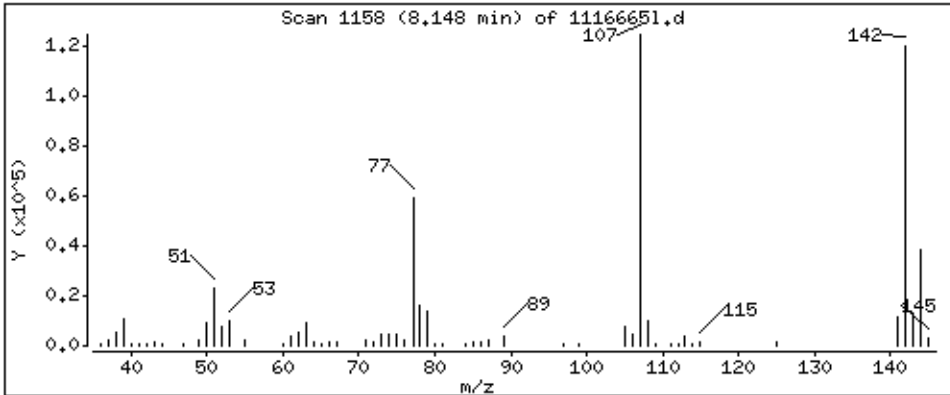
Operator: SN

Column phase: .50um DB-5ms

Column diameter: 0,25

38 4-Chloro-3-methylphenol

Concentration: 2424 ug/Kg



Date : 25-JUN-2014 12:57

Client ID: MBLCS

Instrument: 50MSS2.i

Sample Info: 1116665

Volume Injected (uL): 1.0

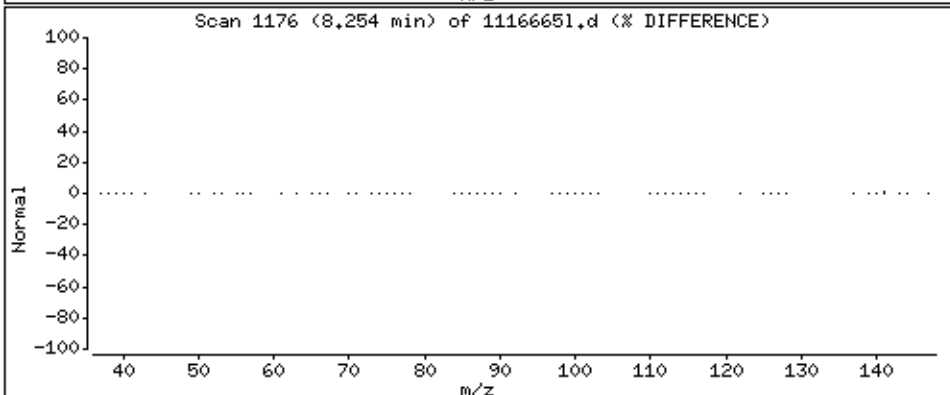
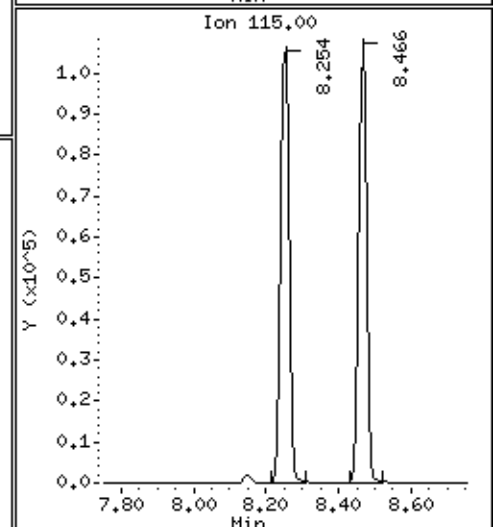
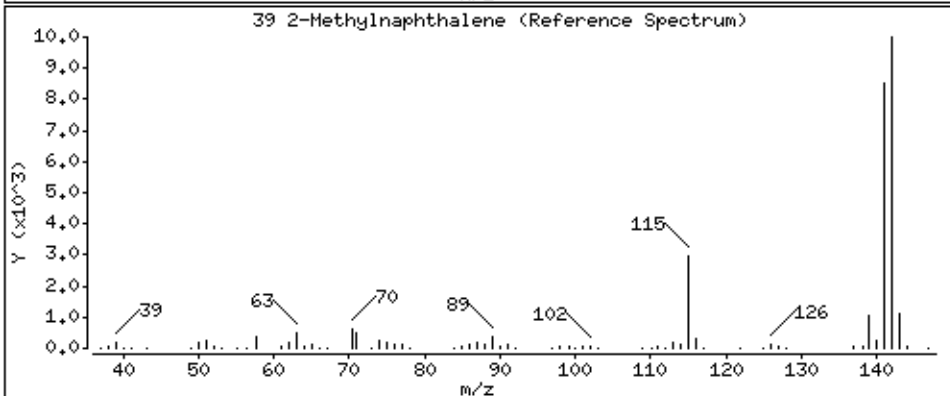
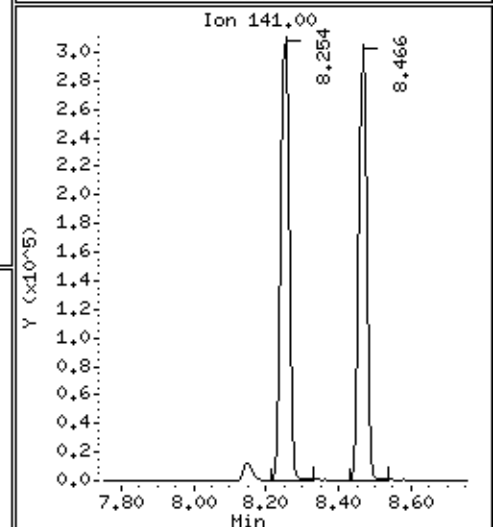
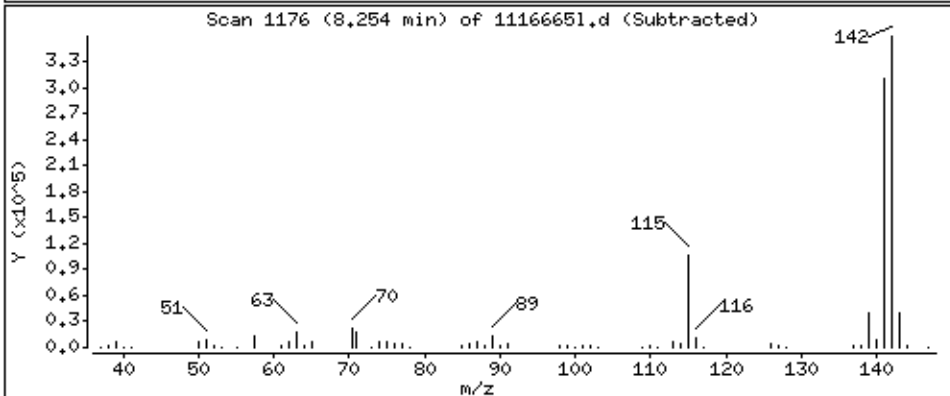
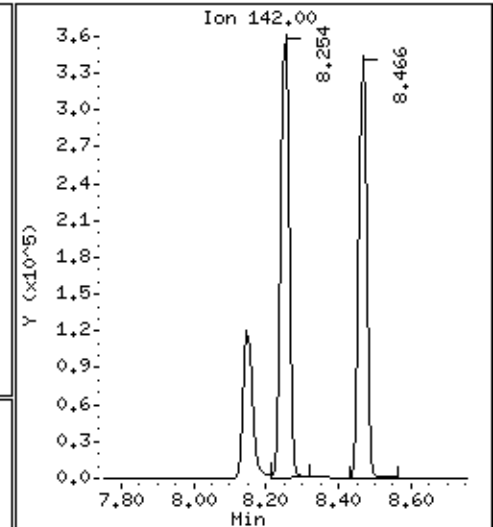
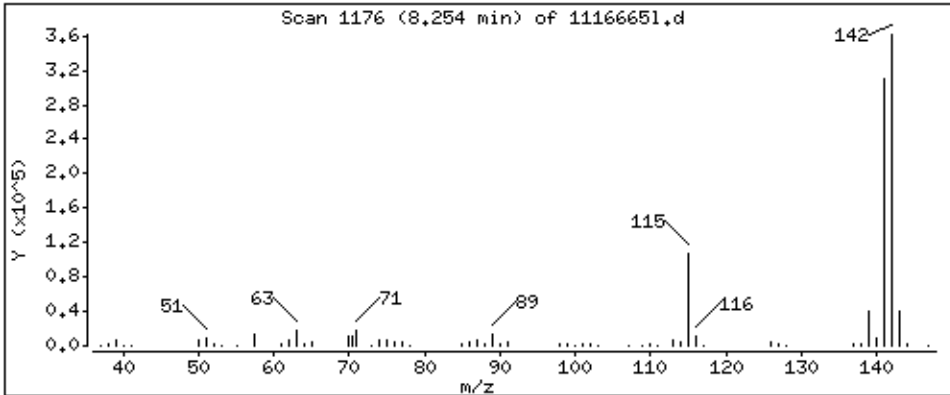
Operator: SN

Column phase: .50um DB-5ms

Column diameter: 0,25

39 2-Methylnaphthalene

Concentration: 2340 ug/Kg



Date : 25-JUN-2014 12:57

Client ID: MBLCS

Instrument: 50MSS2.i

Sample Info: 1116665

Volume Injected (uL): 1.0

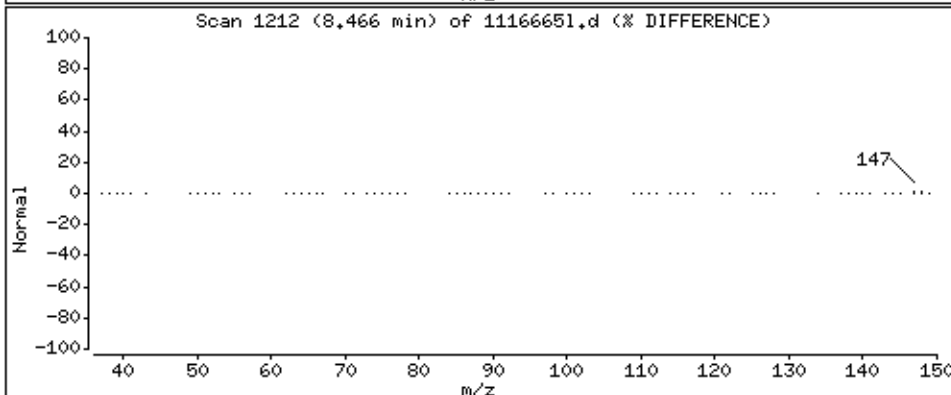
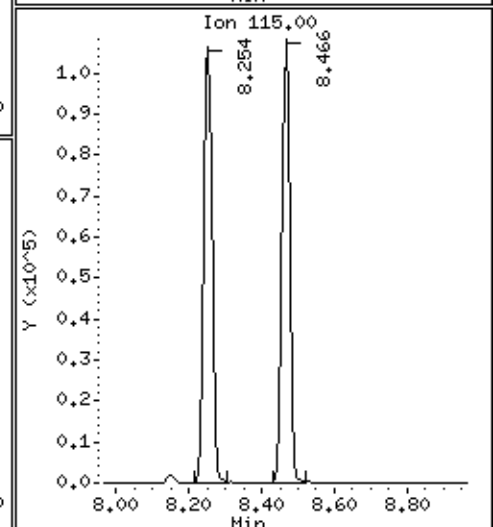
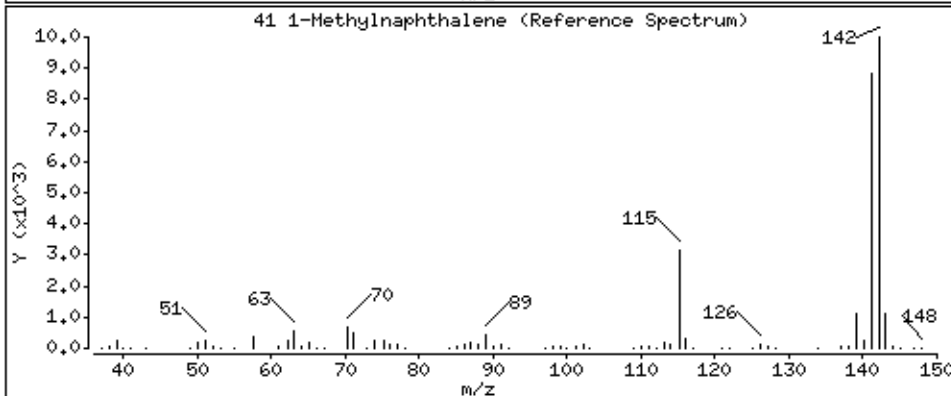
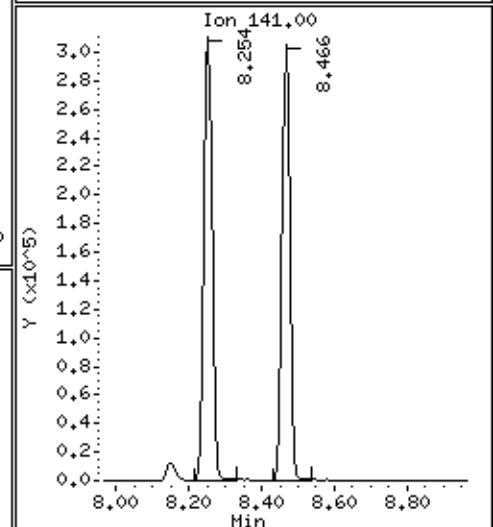
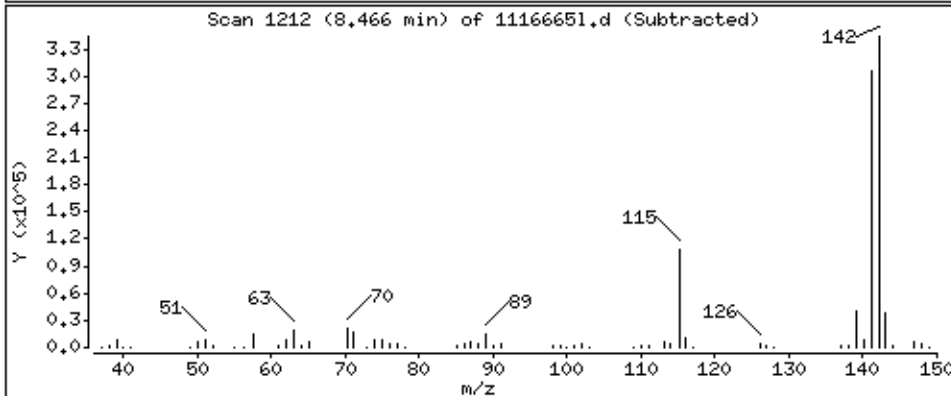
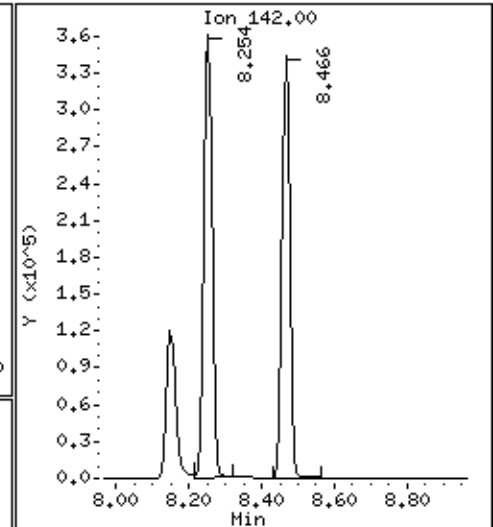
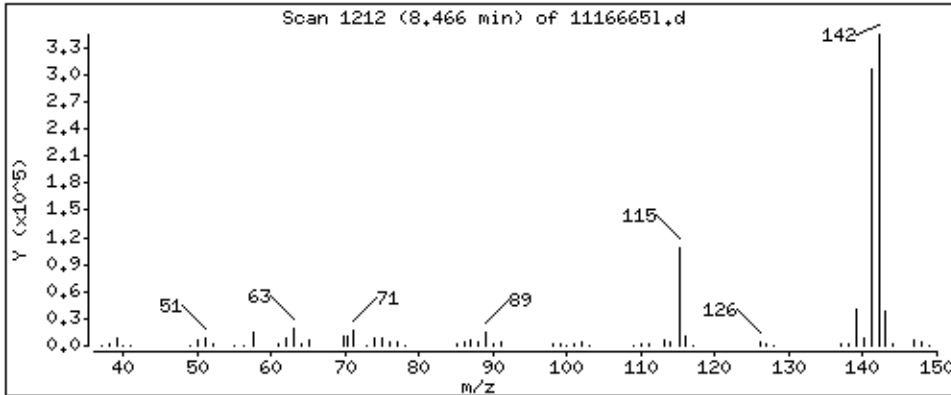
Operator: SN

Column phase: .50um DB-5ms

Column diameter: 0,25

41 1-Methylnaphthalene

Concentration: 2125 ug/Kg



Date : 25-JUN-2014 12:57

Client ID: MBLCS

Instrument: 50MSS2.i

Sample Info: 1116665

Volume Injected (uL): 1.0

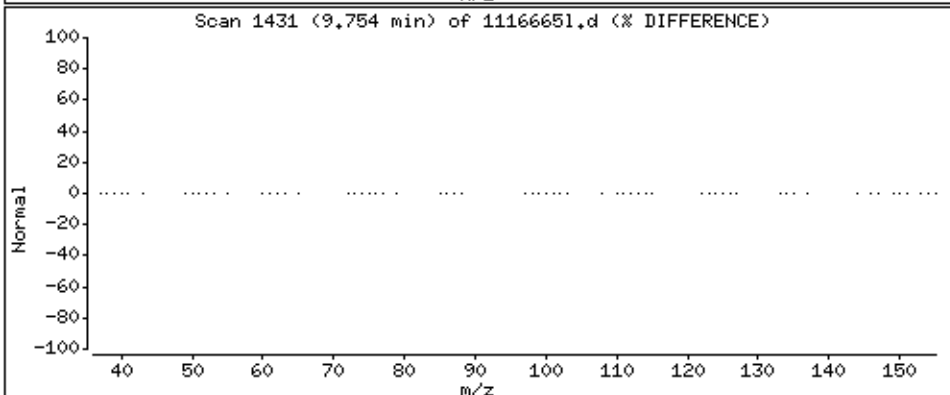
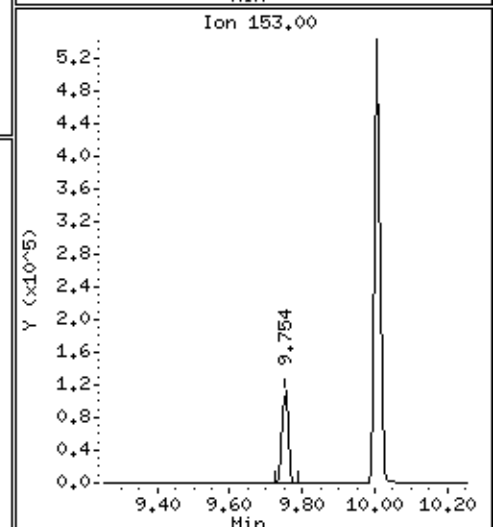
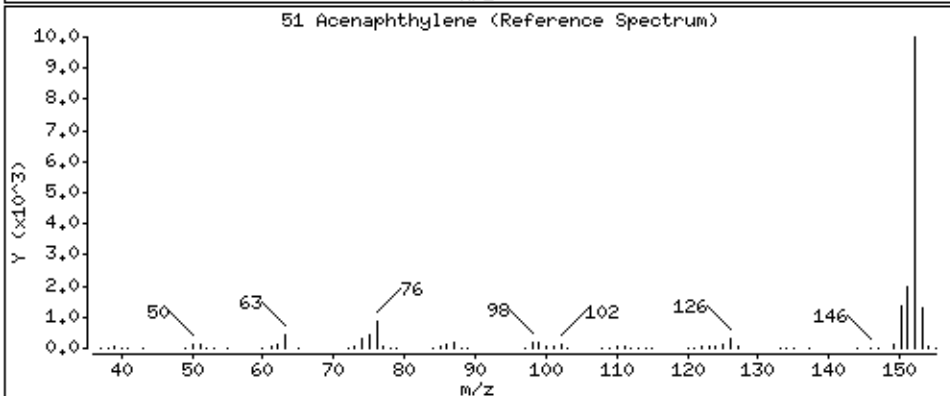
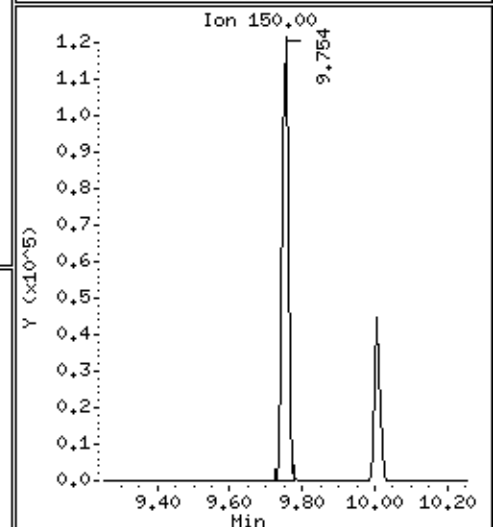
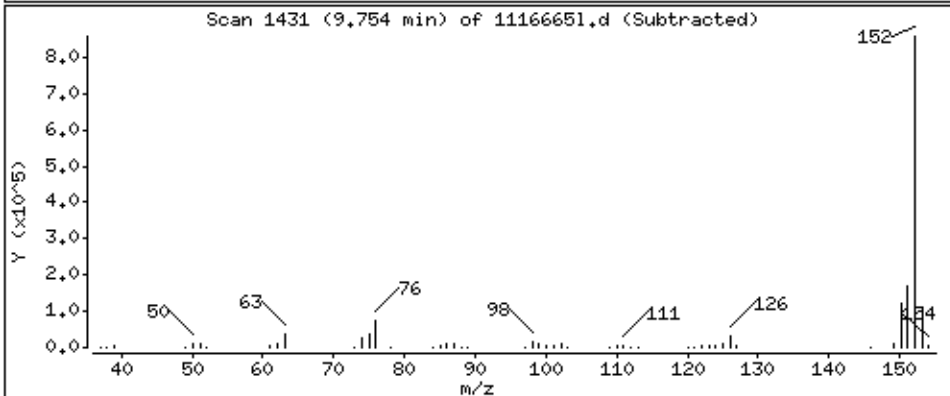
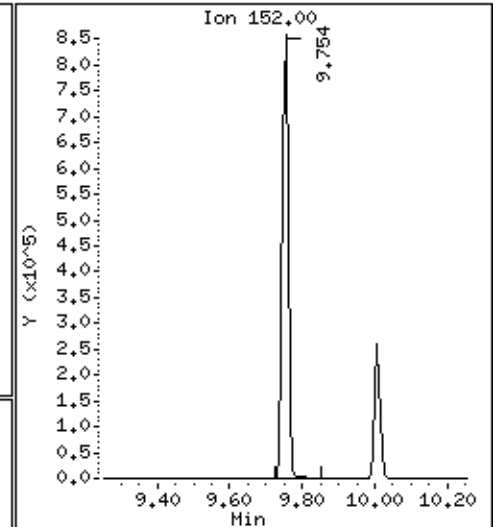
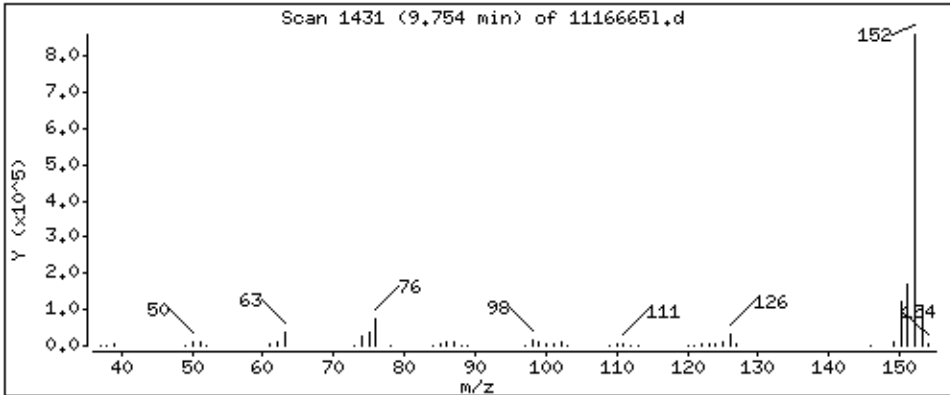
Operator: SN

Column phase: .50um DB-5ms

Column diameter: 0,25

51 Acenaphthylene

Concentration: 2442 ug/Kg



Date : 25-JUN-2014 12:57

Client ID: MBLCS

Instrument: 50MSS2.i

Sample Info: 1116665

Volume Injected (uL): 1.0

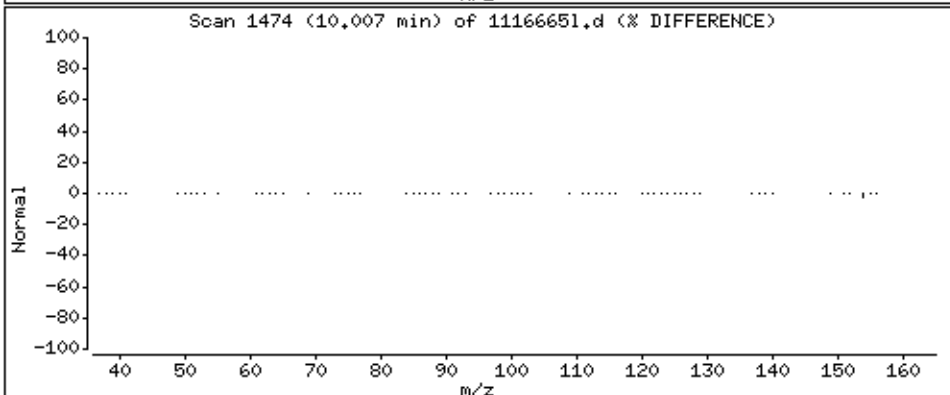
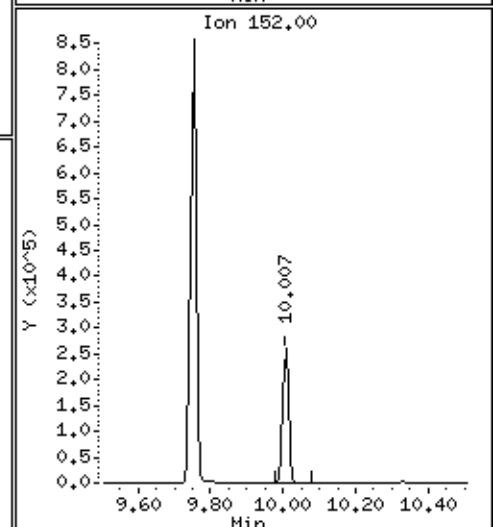
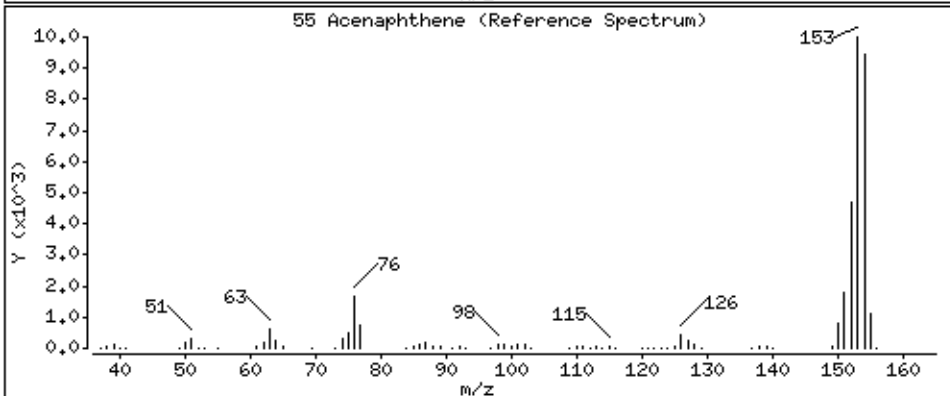
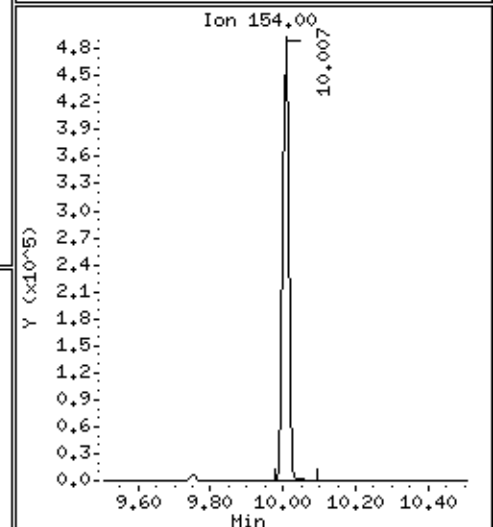
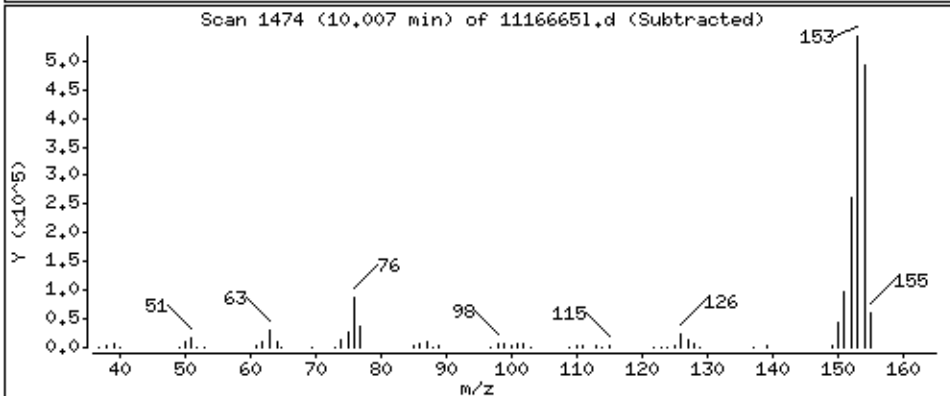
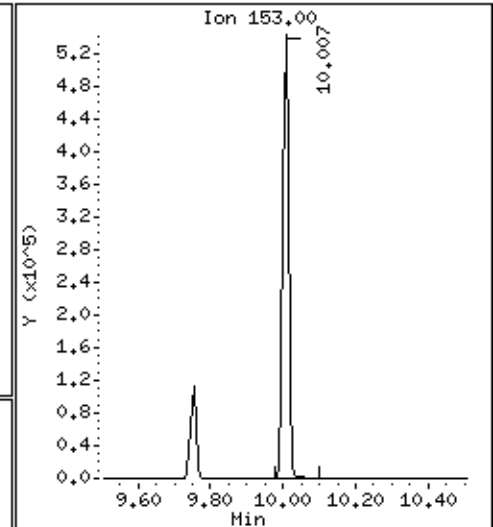
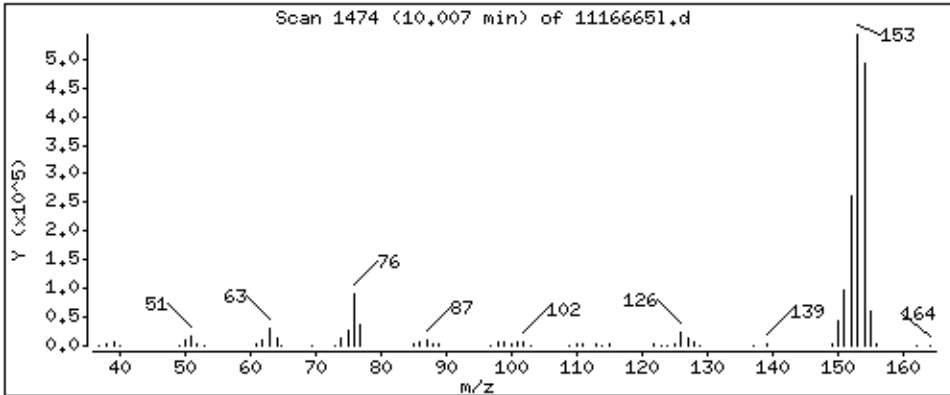
Operator: SN

Column phase: .50um DB-5ms

Column diameter: 0,25

55 Acenaphthene

Concentration: 2421 ug/Kg



Date : 25-JUN-2014 12:57

Client ID: MBLCS

Instrument: 50MSS2.i

Sample Info: 1116665

Volume Injected (uL): 1.0

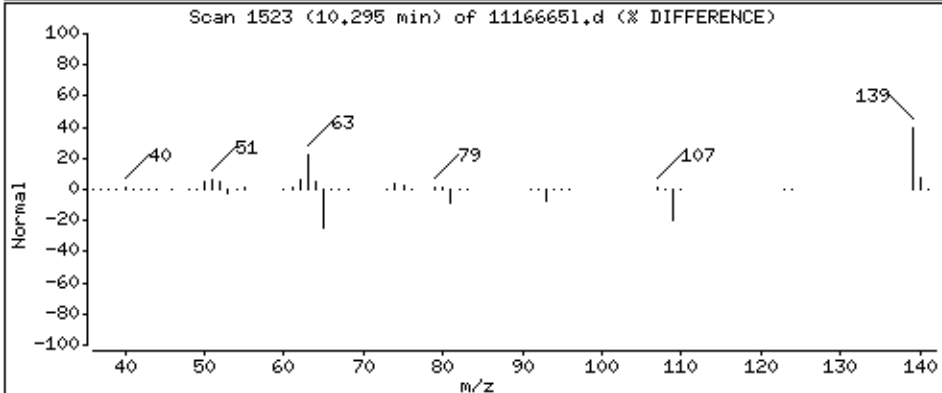
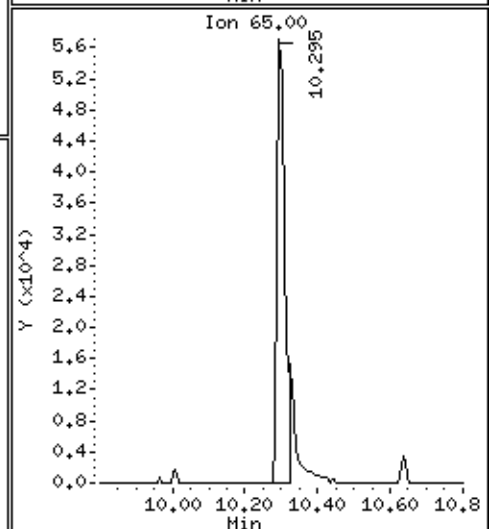
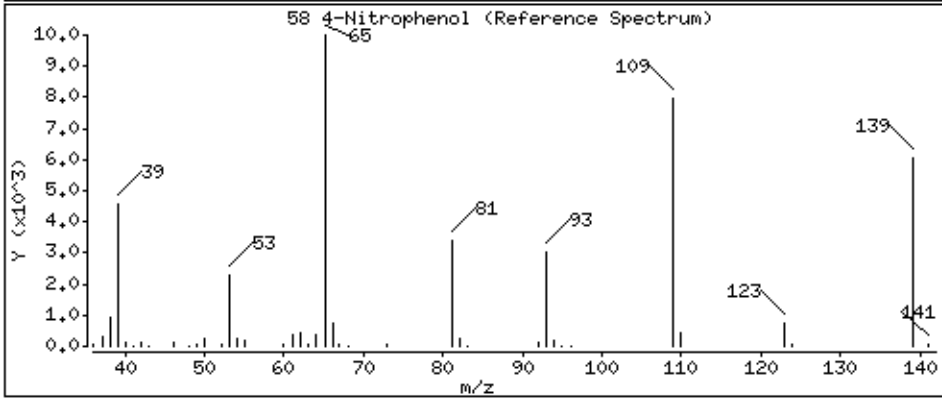
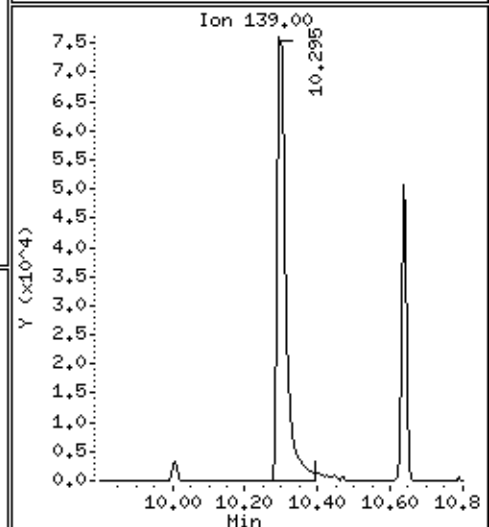
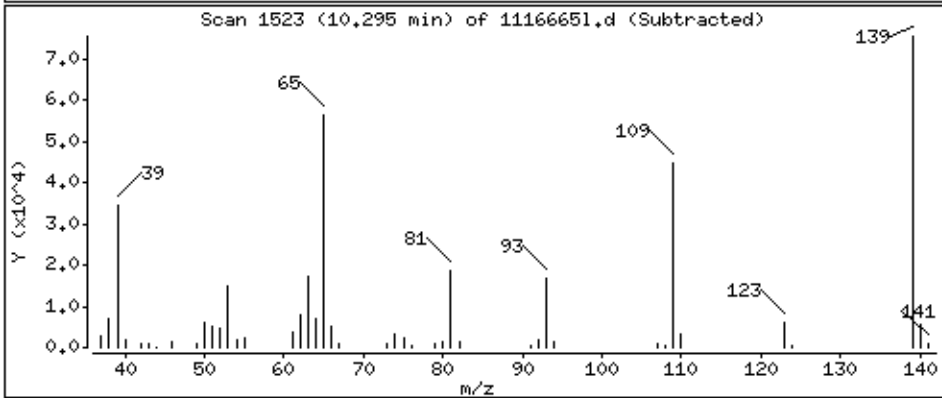
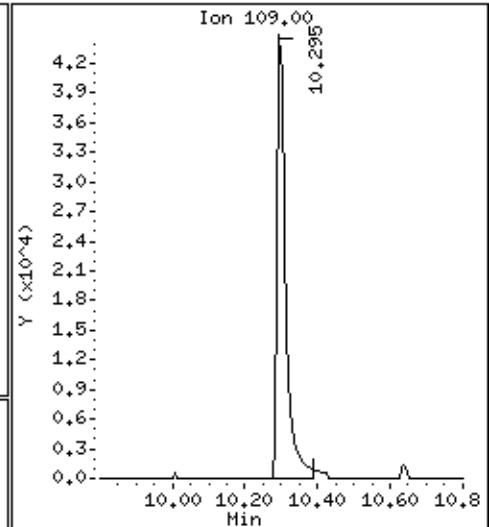
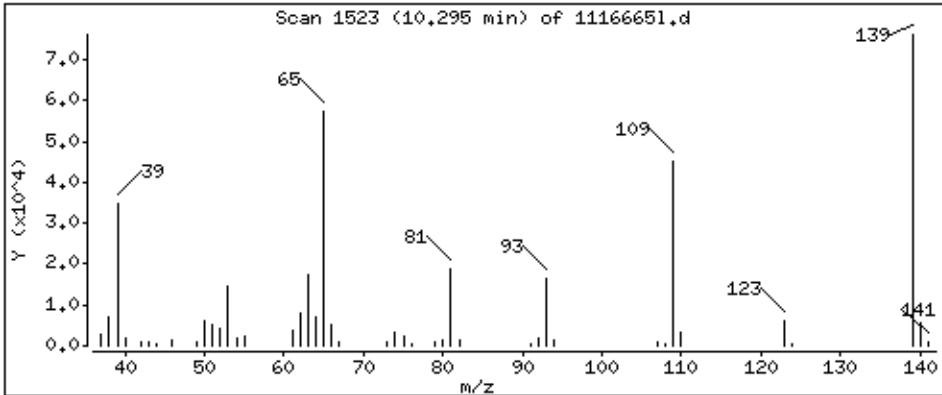
Operator: SN

Column phase: .50um DB-5ms

Column diameter: 0,25

58 4-Nitrophenol

Concentration: 2330 ug/Kg



Date : 25-JUN-2014 12:57

Client ID: MBLCS

Instrument: 50MSS2.i

Sample Info: 1116665

Volume Injected (uL): 1.0

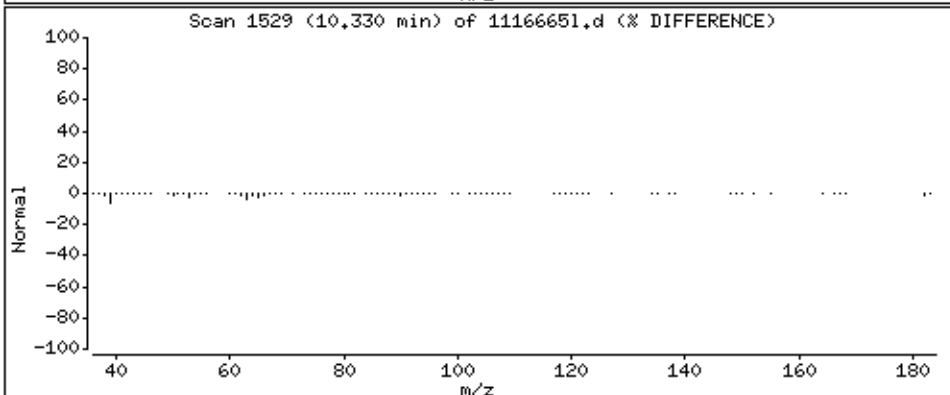
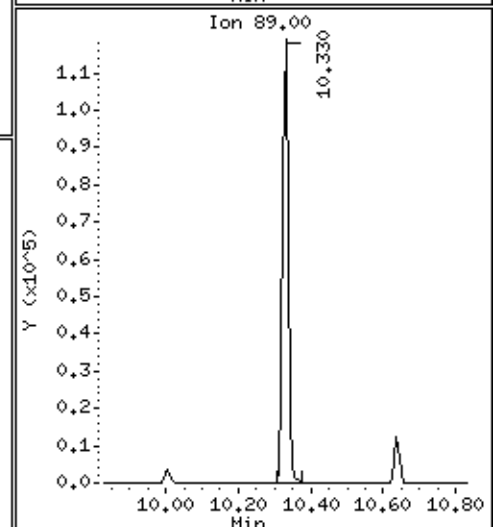
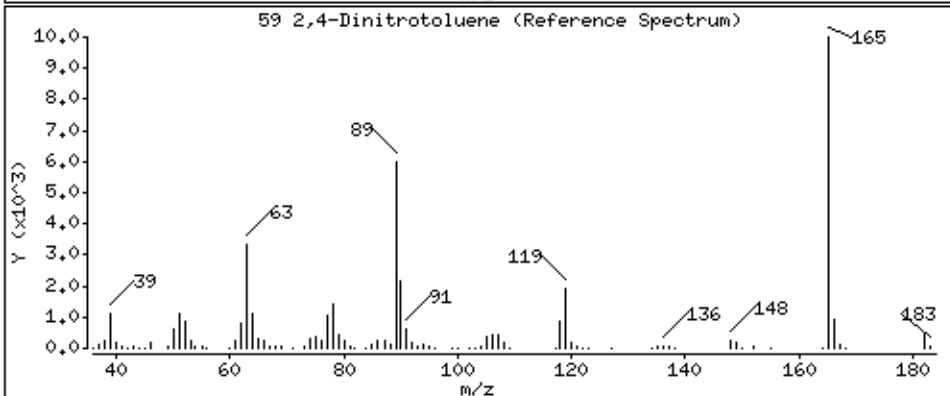
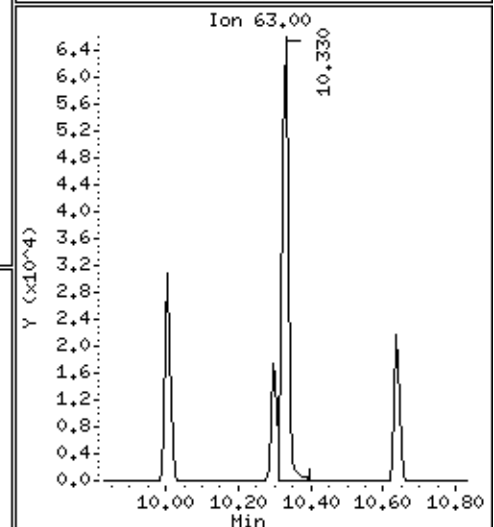
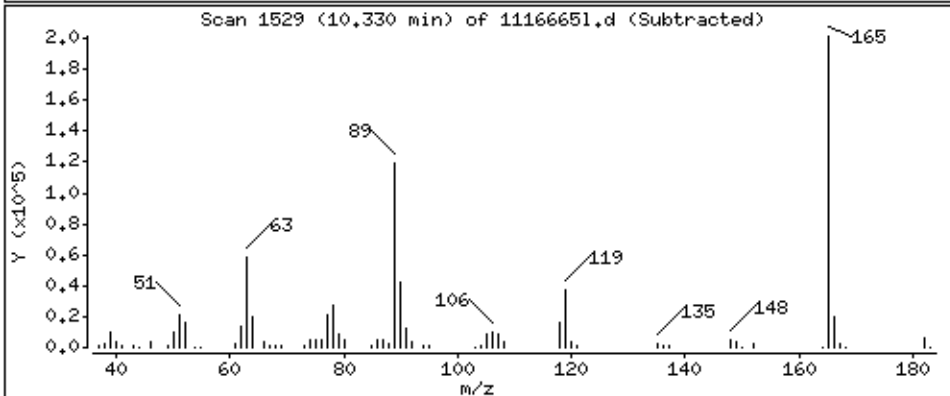
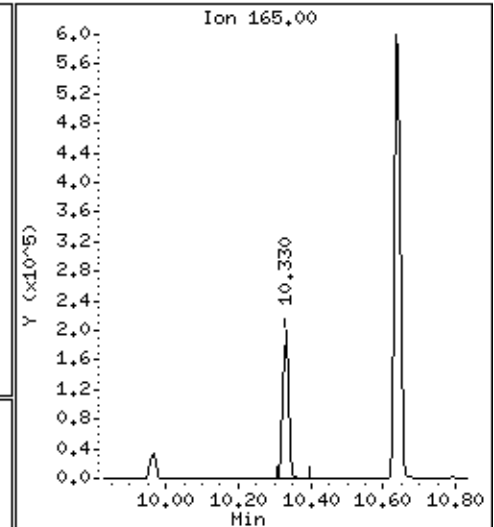
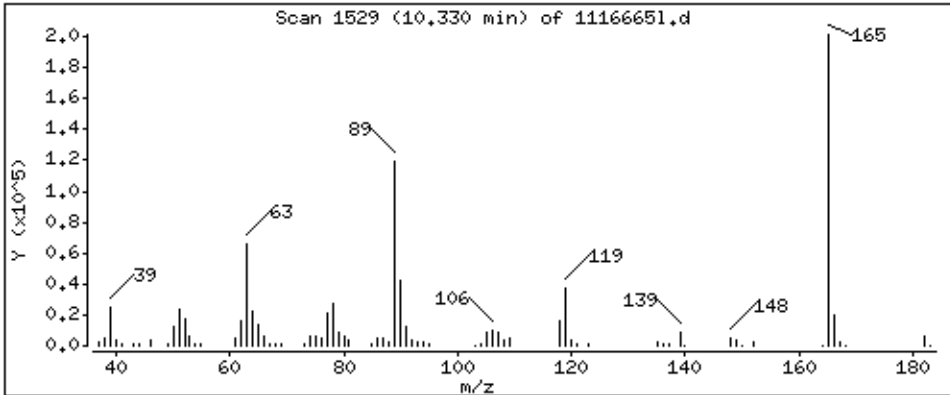
Operator: SN

Column phase: .50um DB-5ms

Column diameter: 0,25

59 2,4-Dinitrotoluene

Concentration: 2583 ug/Kg



Date : 25-JUN-2014 12:57

Client ID: MBLCS

Instrument: 50MSS2.i

Sample Info: 1116665

Volume Injected (uL): 1.0

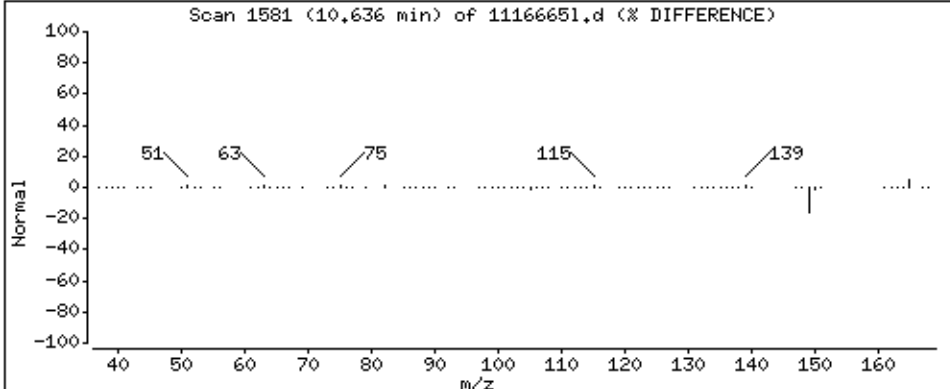
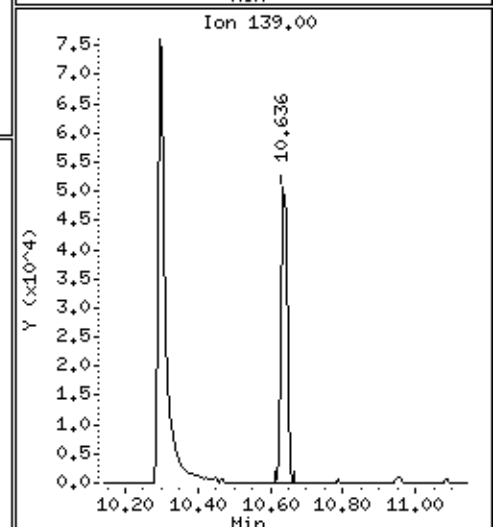
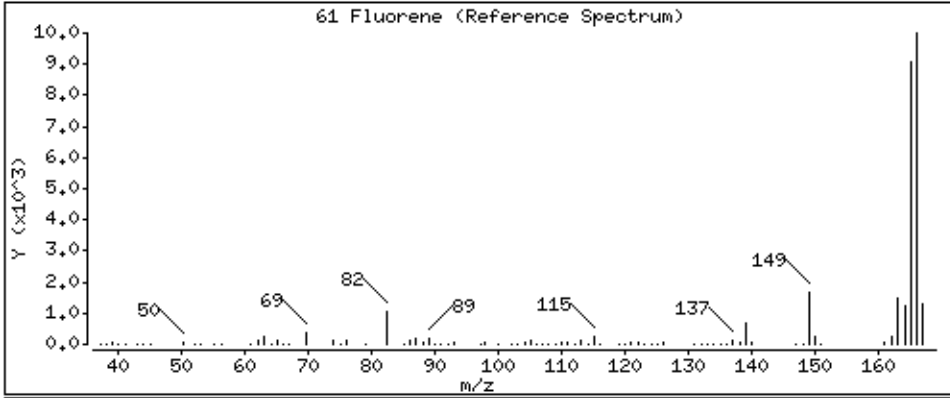
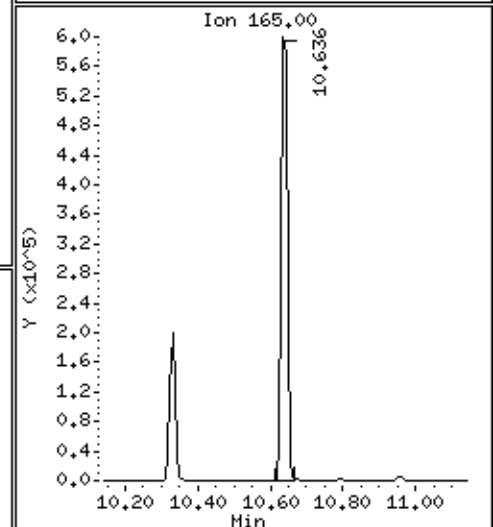
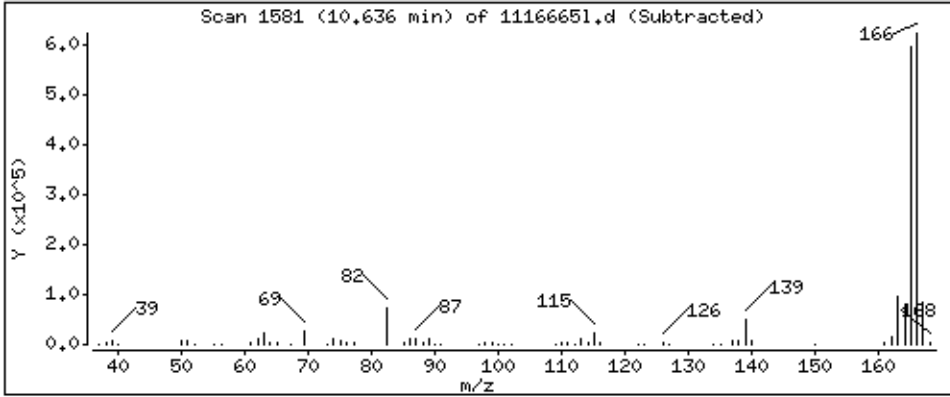
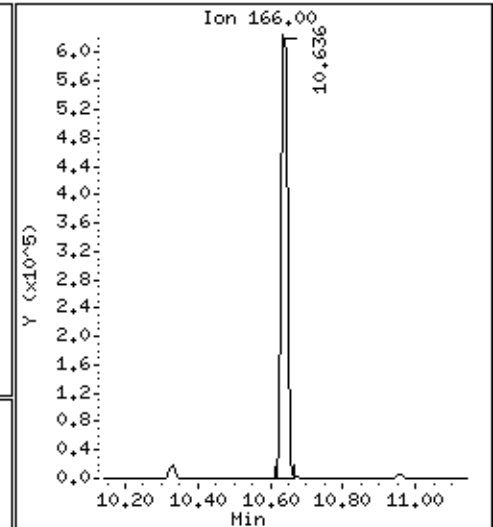
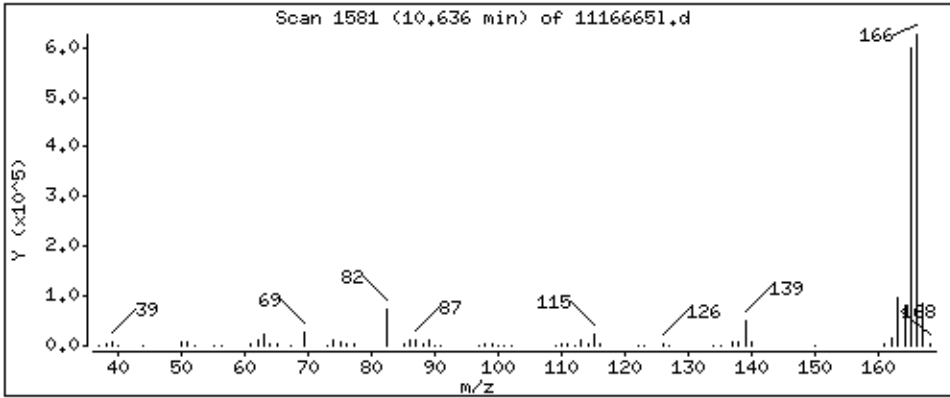
Operator: SN

Column phase: .50um DB-5ms

Column diameter: 0,25

61 Fluorene

Concentration: 2546 ug/Kg



Date : 25-JUN-2014 12:57

Client ID: MBLCS

Instrument: 50MSS2.i

Sample Info: 1116665

Volume Injected (uL): 1.0

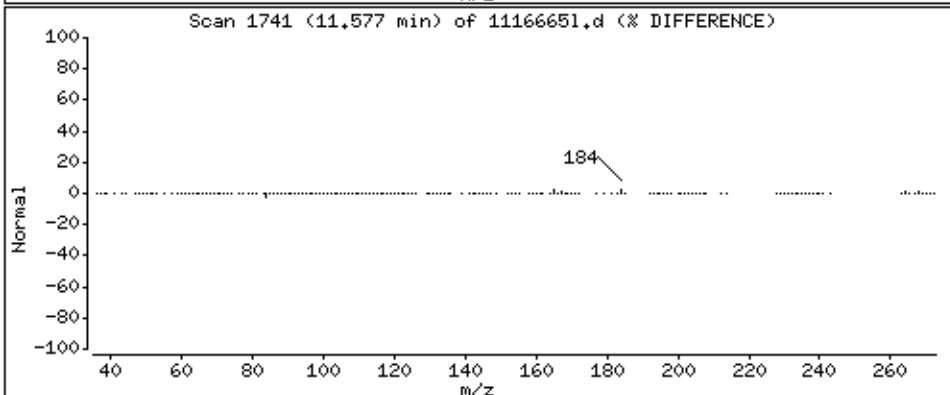
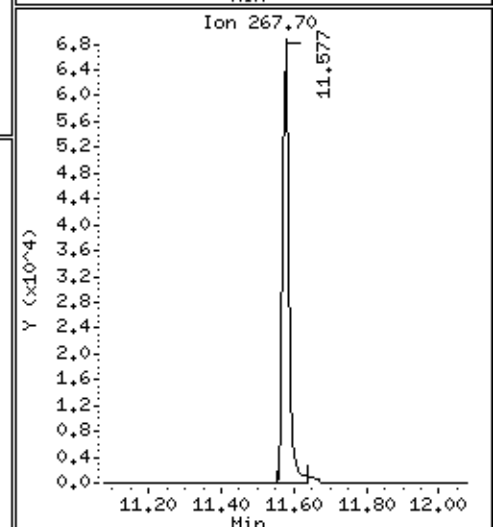
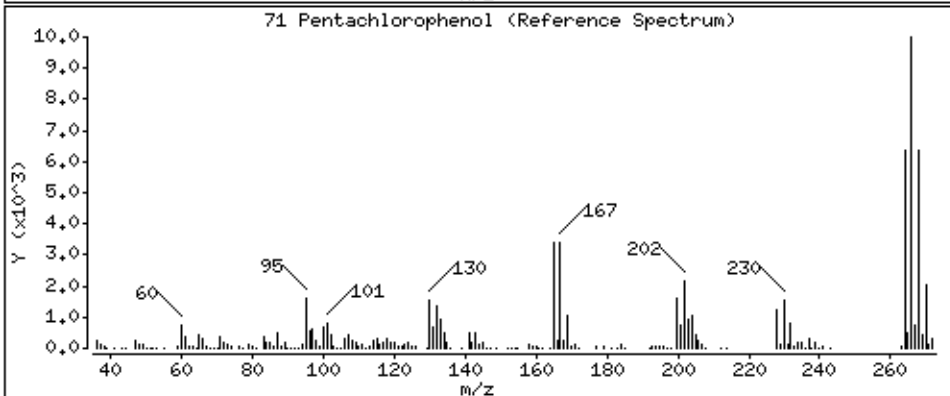
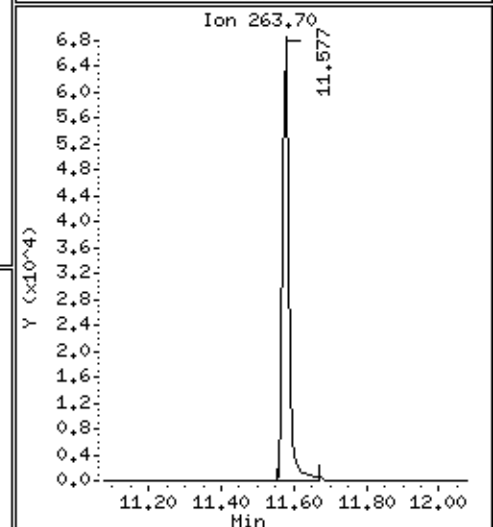
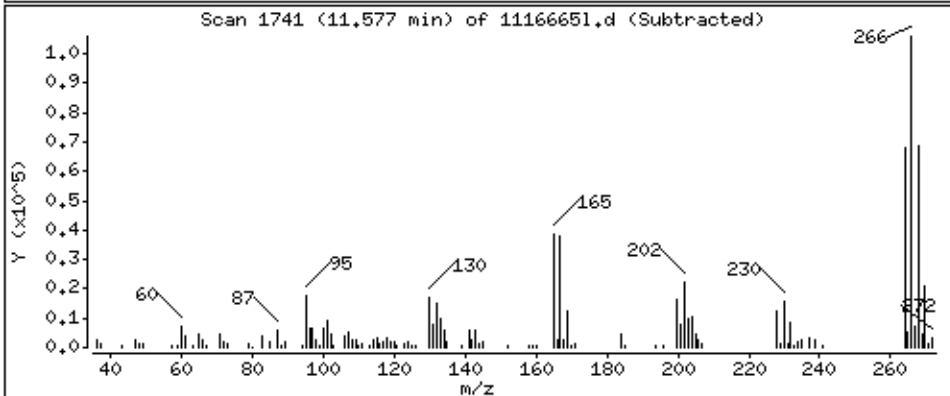
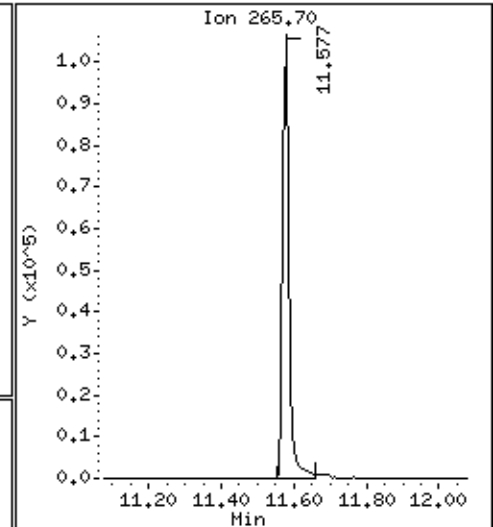
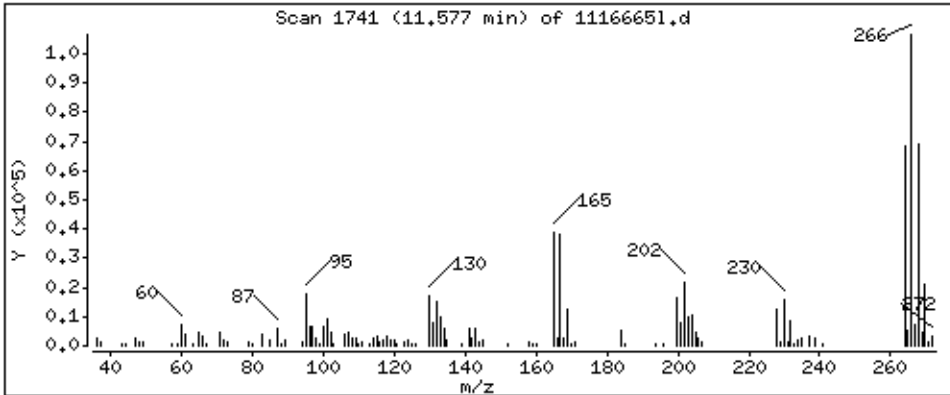
Operator: SN

Column phase: .50um DB-5ms

Column diameter: 0,25

71 Pentachlorophenol

Concentration: 1908 ug/Kg



Date : 25-JUN-2014 12:57

Client ID: MBLCS

Instrument: 50MSS2.i

Sample Info: 1116665

Volume Injected (uL): 1.0

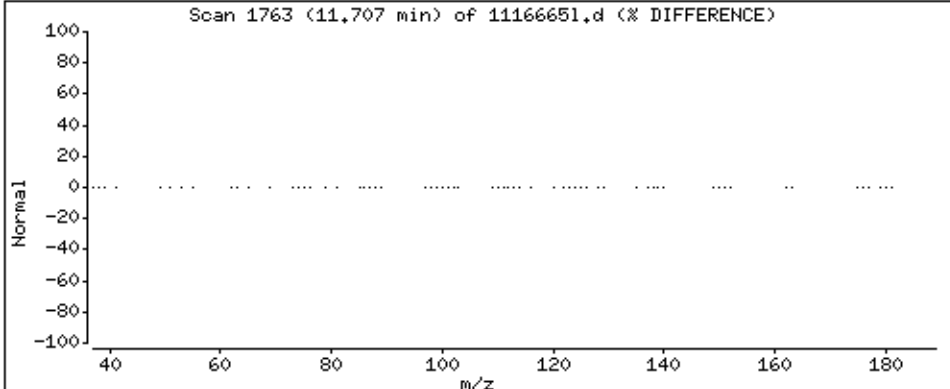
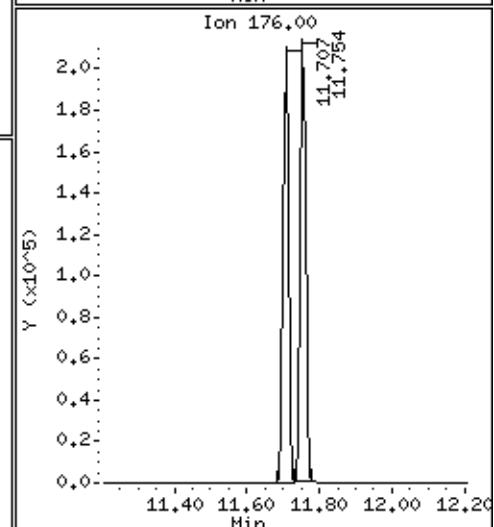
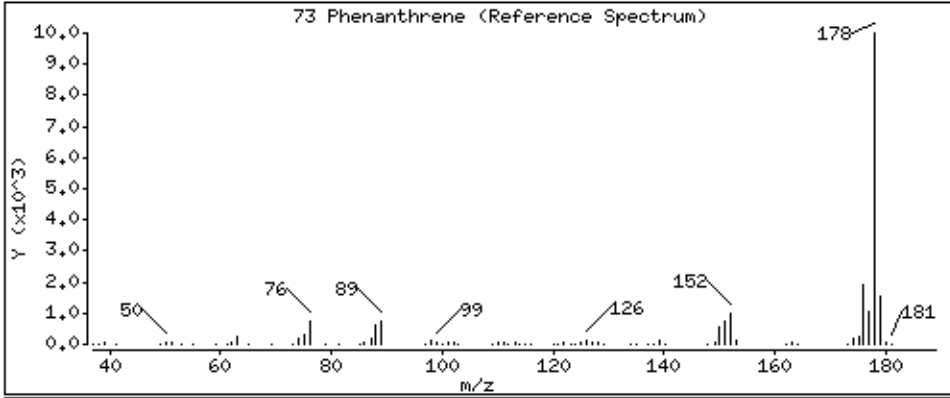
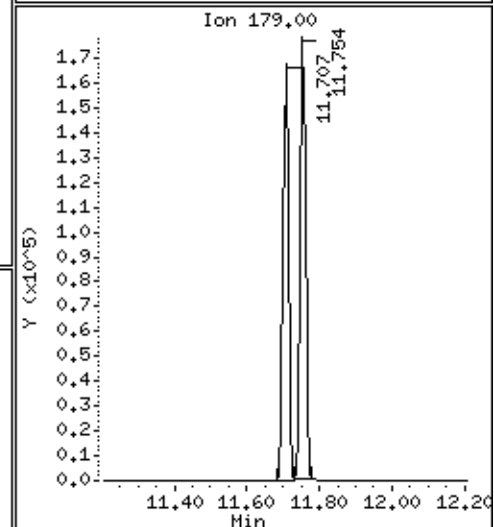
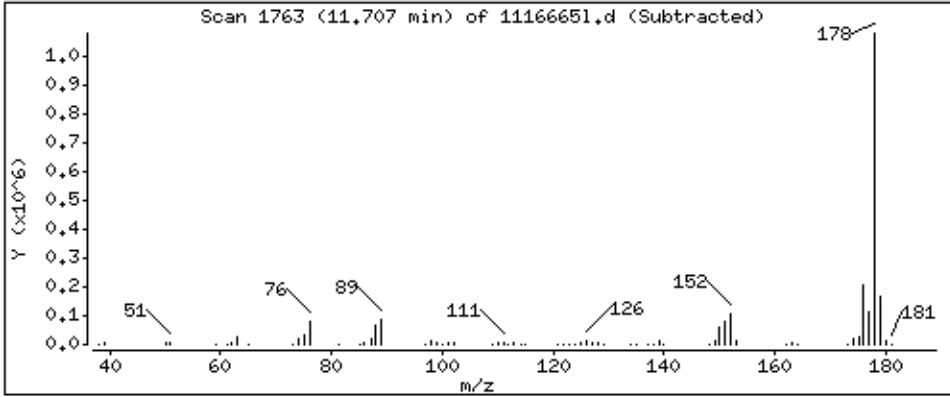
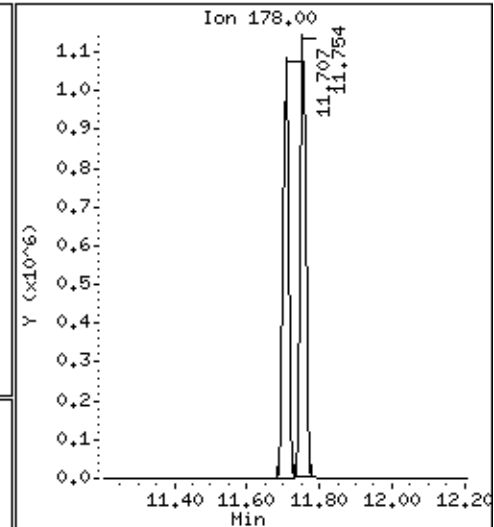
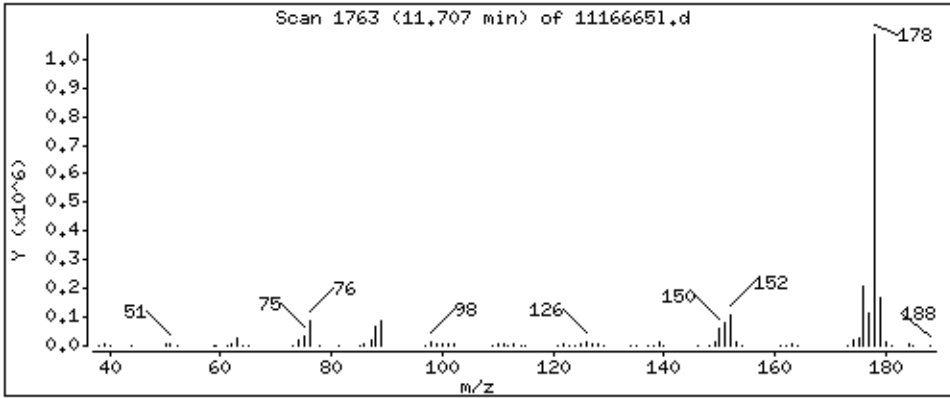
Operator: SN

Column phase: .50um DB-5ms

Column diameter: 0,25

73 Phenanthrene

Concentration: 2497 ug/Kg



Date : 25-JUN-2014 12:57

Client ID: MBLCS

Instrument: 50MSS2.i

Sample Info: 1116665

Volume Injected (uL): 1.0

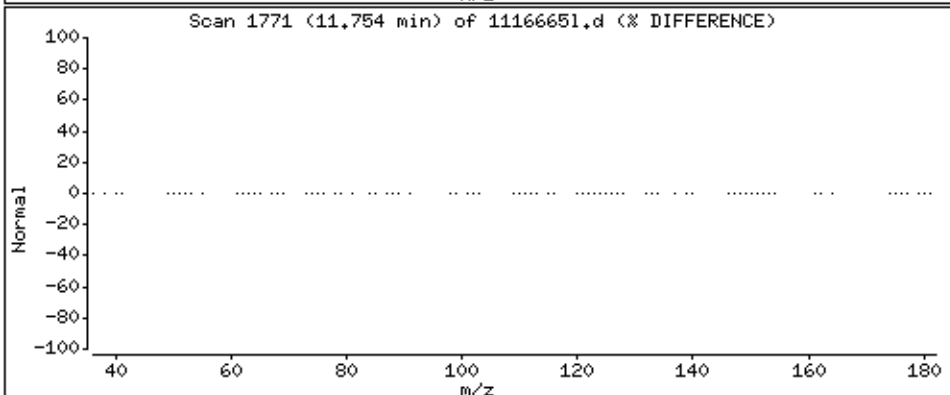
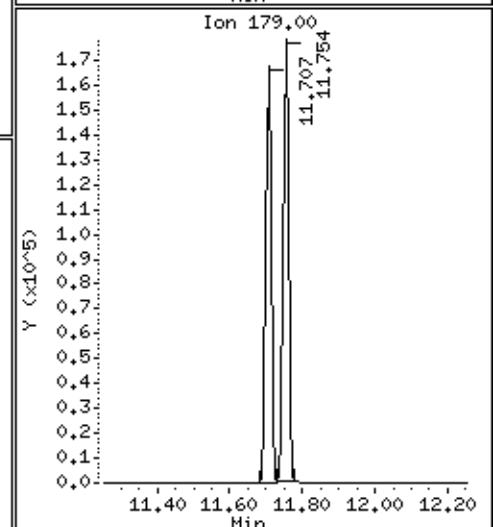
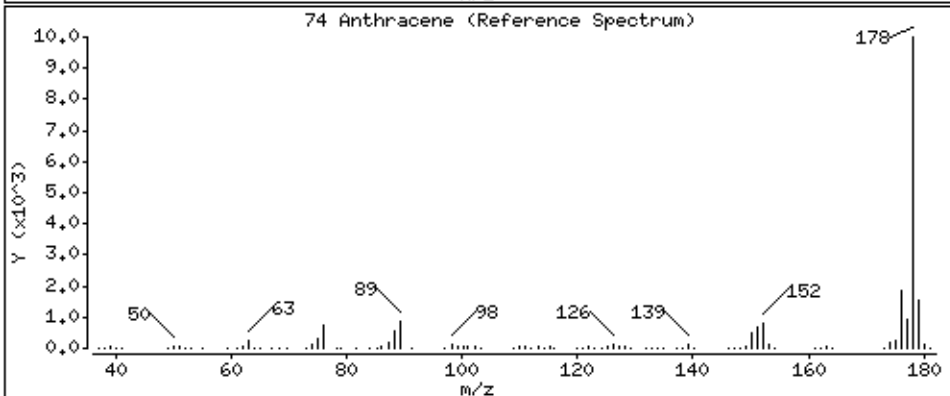
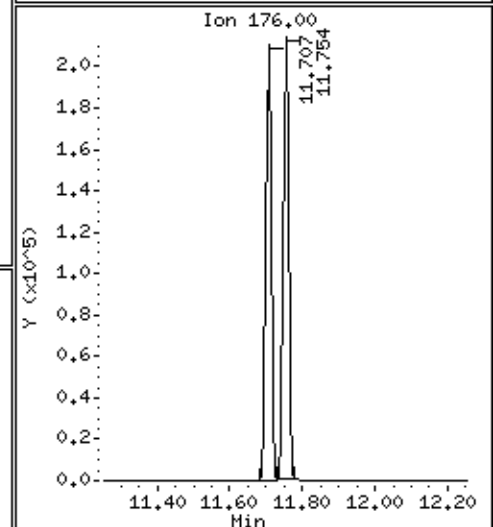
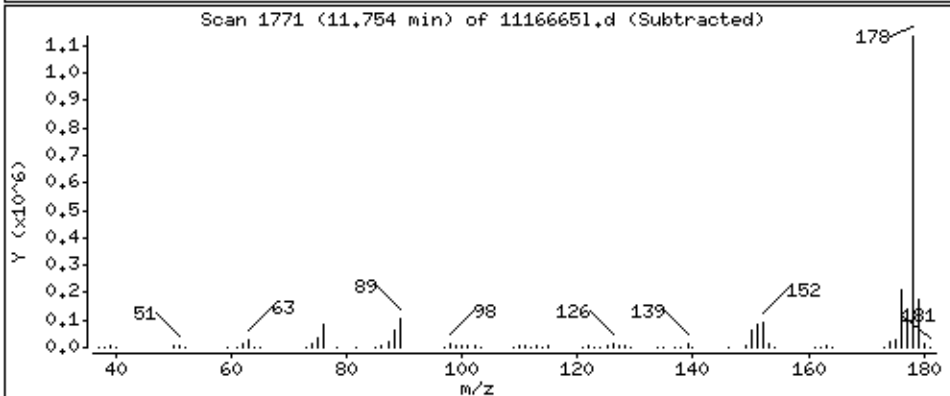
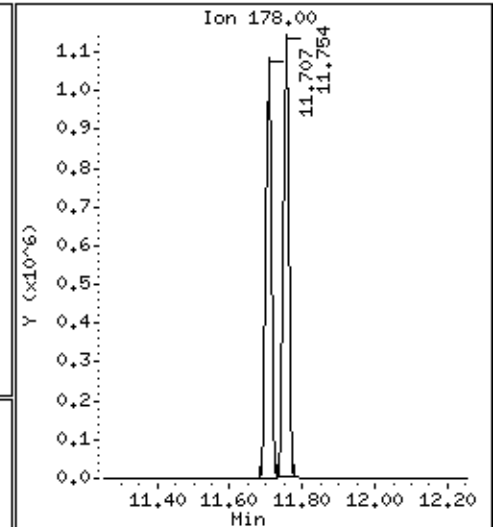
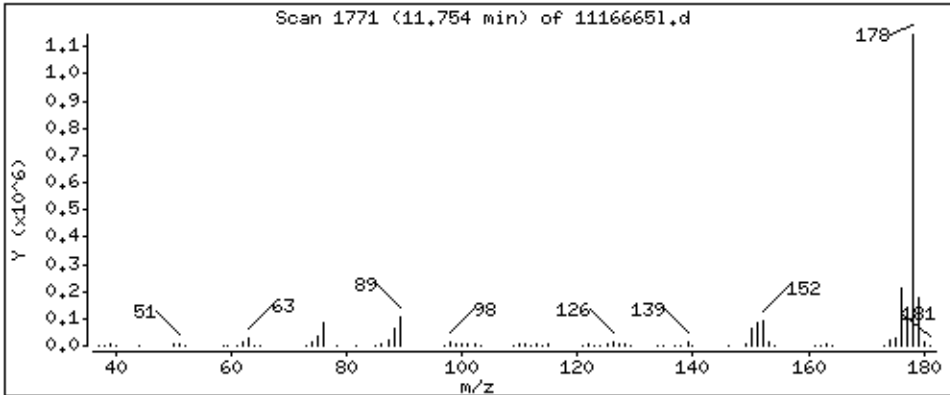
Operator: SN

Column phase: .50um DB-5ms

Column diameter: 0,25

74 Anthracene

Concentration: 2561 ug/Kg



Date : 25-JUN-2014 12:57

Client ID: MBLCS

Instrument: 50MSS2.i

Sample Info: 1116665

Volume Injected (uL): 1.0

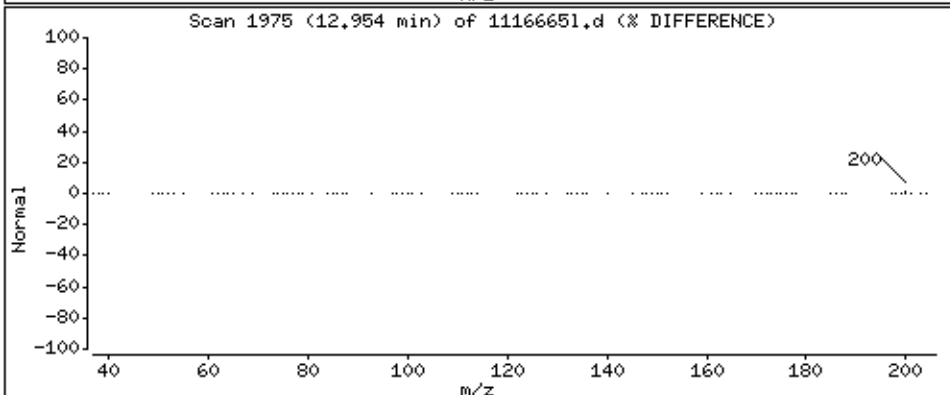
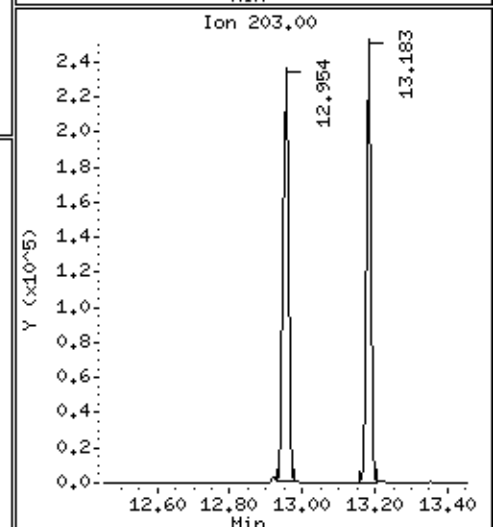
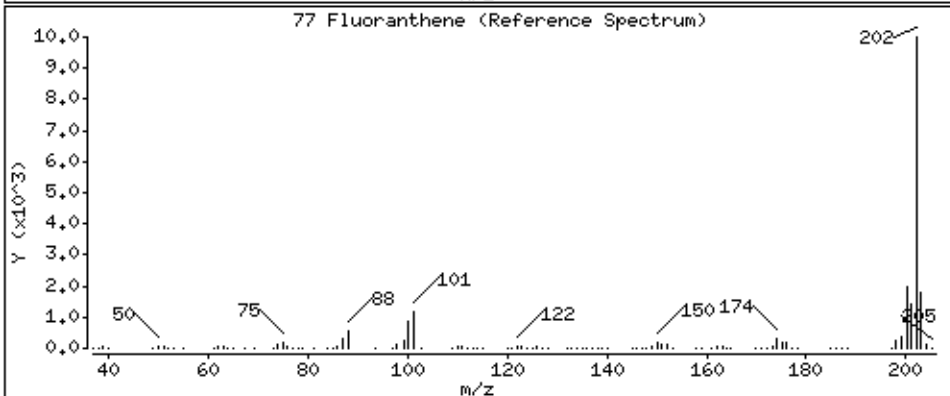
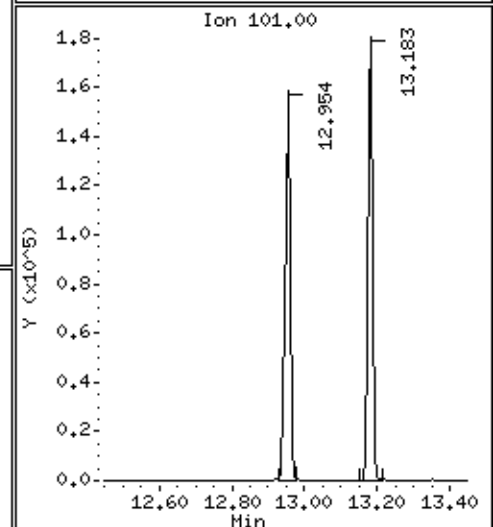
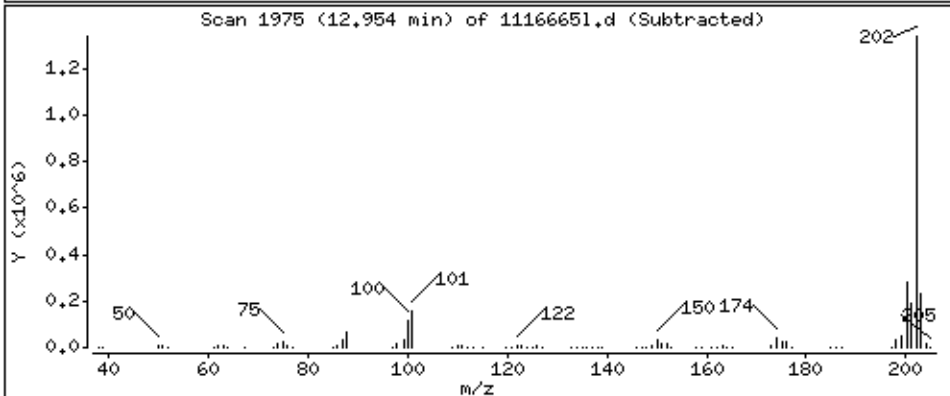
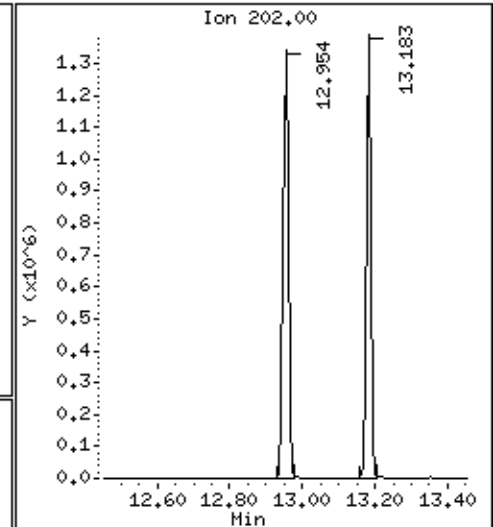
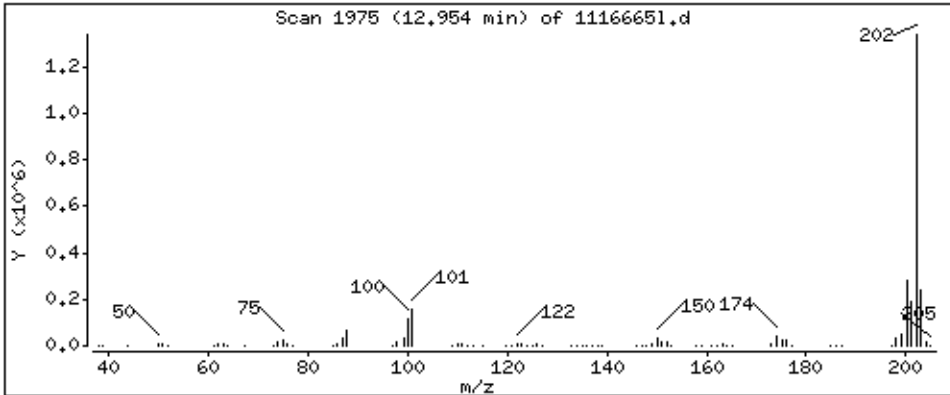
Operator: SN

Column phase: .50um DB-5ms

Column diameter: 0,25

77 Fluoranthene

Concentration: 2647 ug/Kg



Date : 25-JUN-2014 12:57

Client ID: MBLCS

Instrument: 50MSS2.i

Sample Info: 1116665

Volume Injected (uL): 1.0

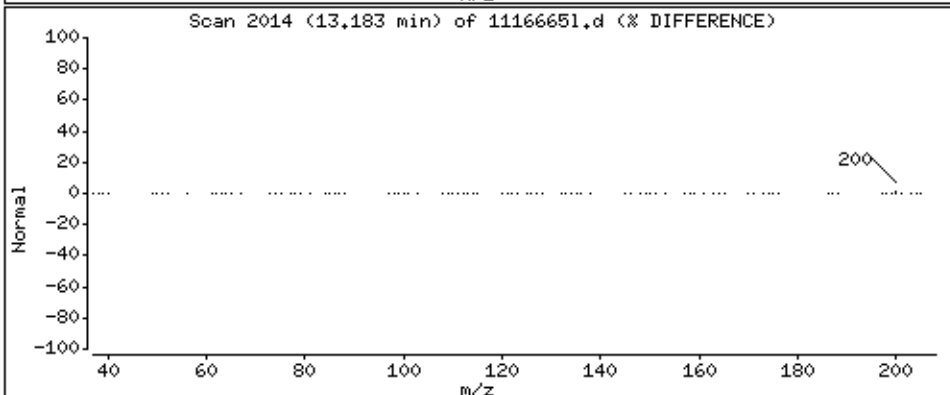
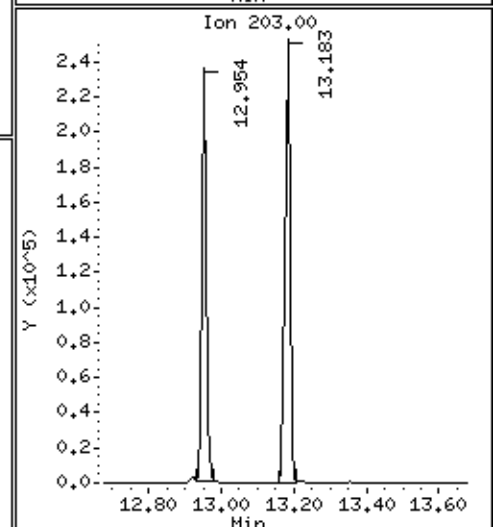
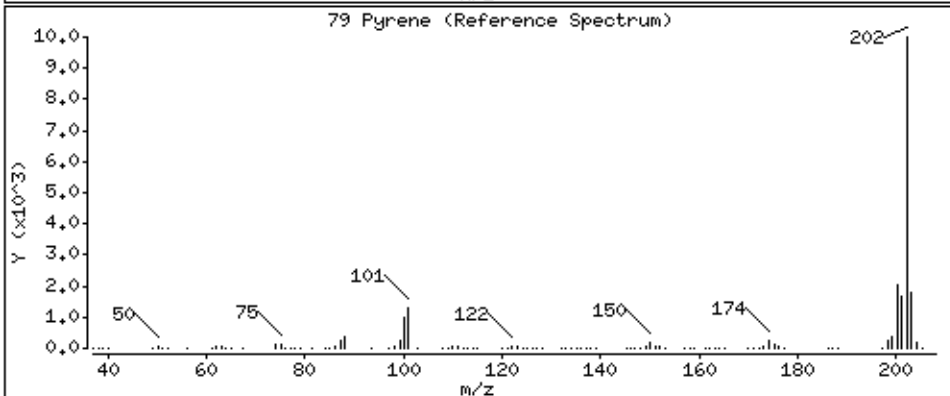
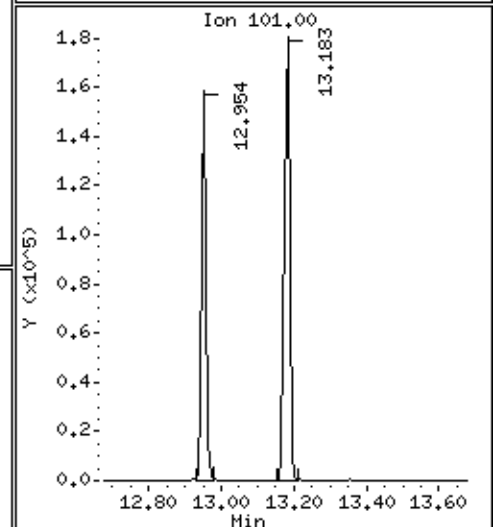
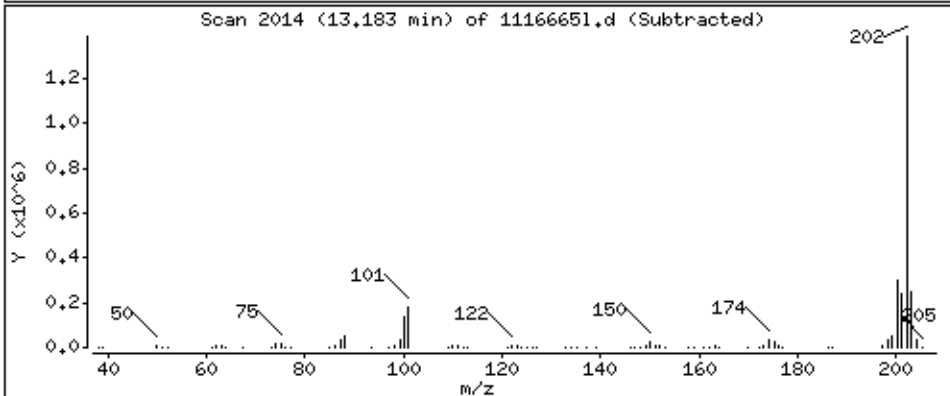
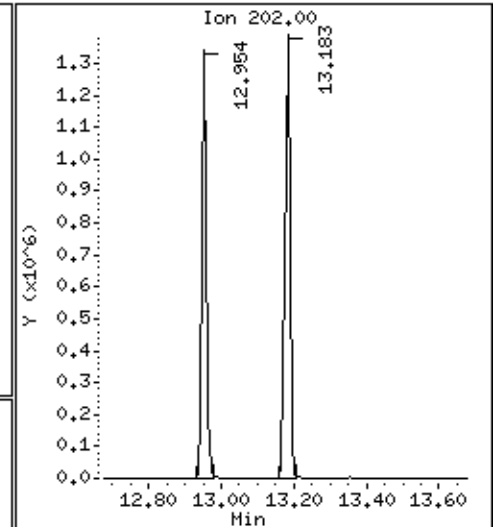
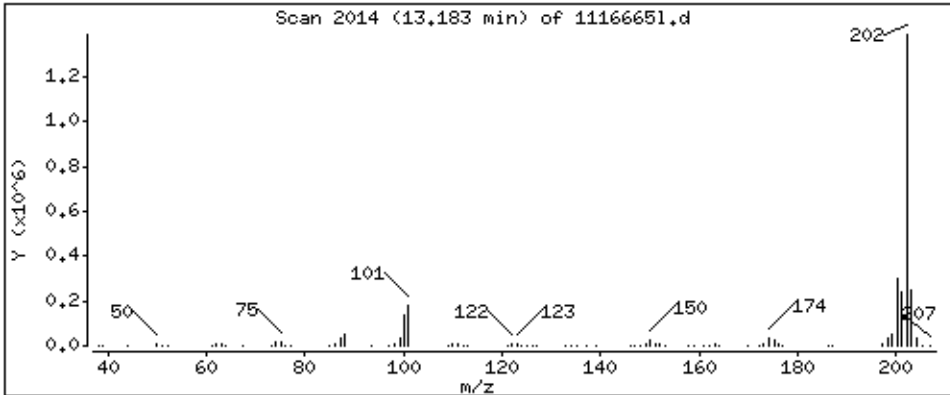
Operator: SN

Column phase: .50um DB-5ms

Column diameter: 0,25

79 Pyrene

Concentration: 2670 ug/Kg



Date : 25-JUN-2014 12:57

Client ID: MBLCS

Instrument: 50MSS2.i

Sample Info: 1116665

Volume Injected (uL): 1.0

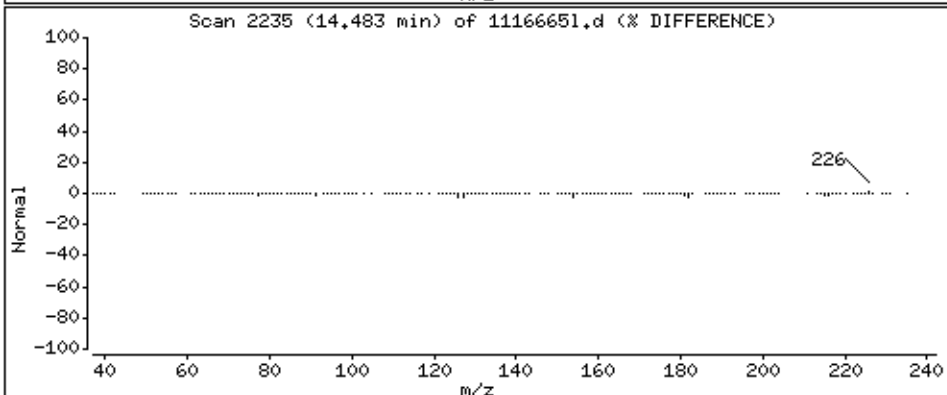
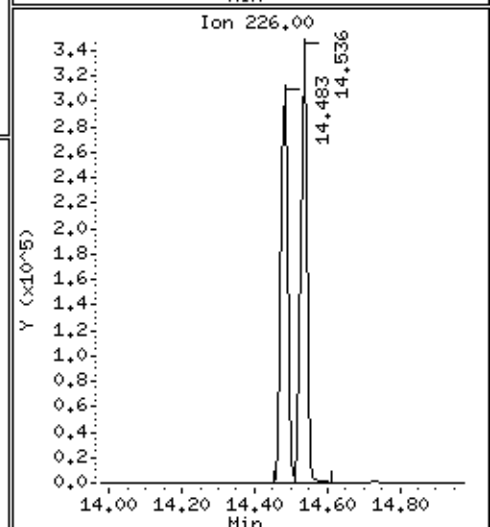
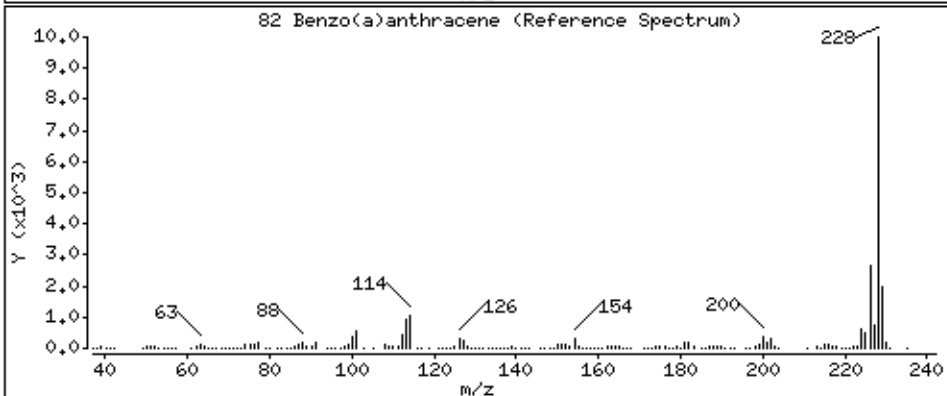
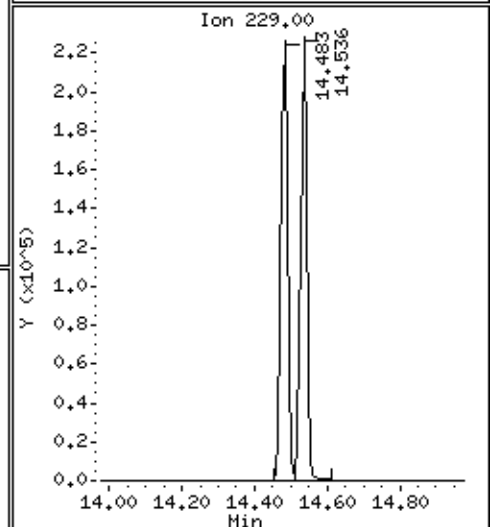
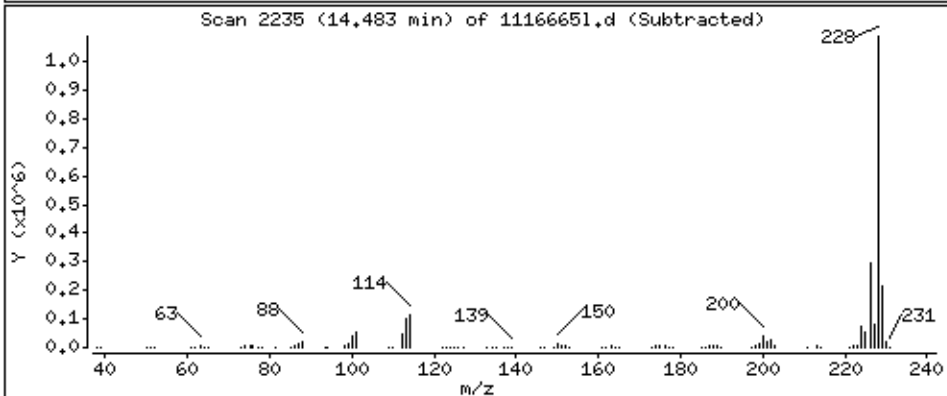
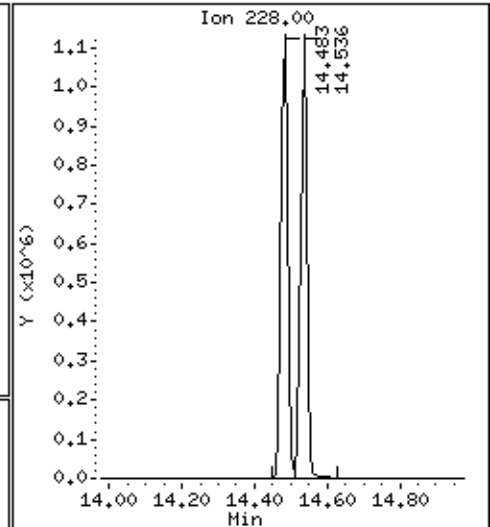
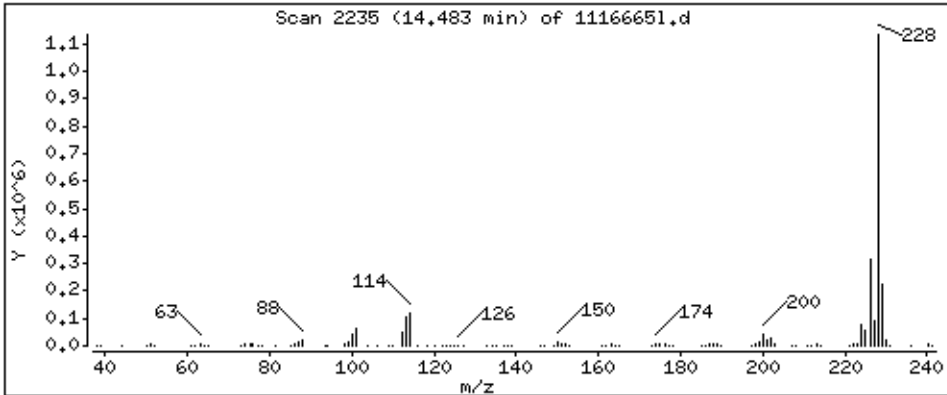
Operator: SN

Column phase: .50um DB-5ms

Column diameter: 0,25

82 Benzo(a)anthracene

Concentration: 2620 ug/Kg



Date : 25-JUN-2014 12:57

Client ID: MBLCS

Instrument: 50MSS2.i

Sample Info: 1116665

Volume Injected (uL): 1.0

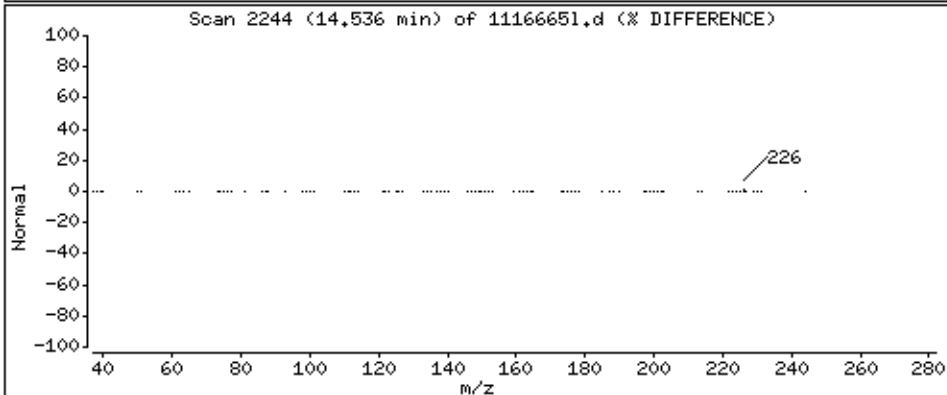
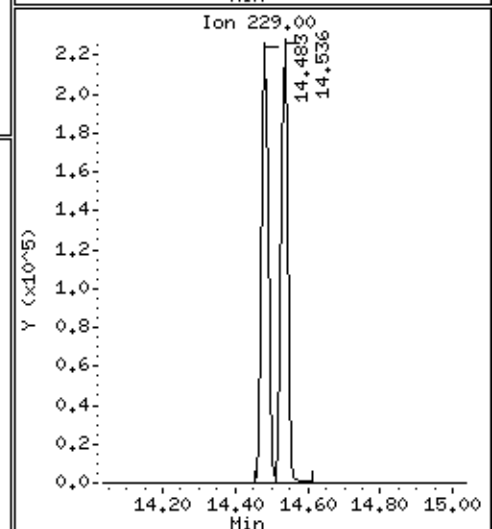
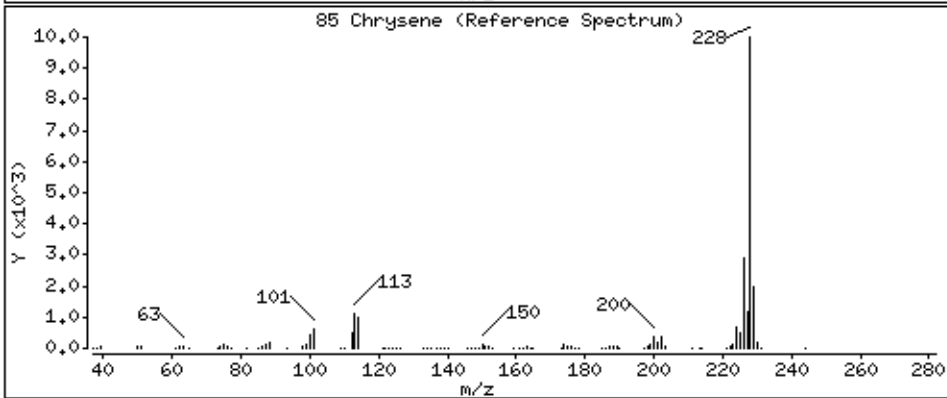
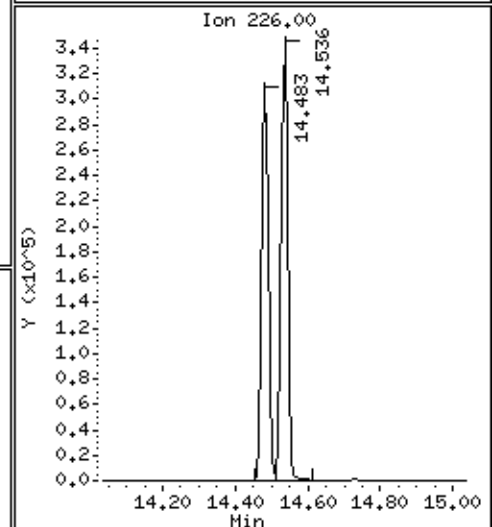
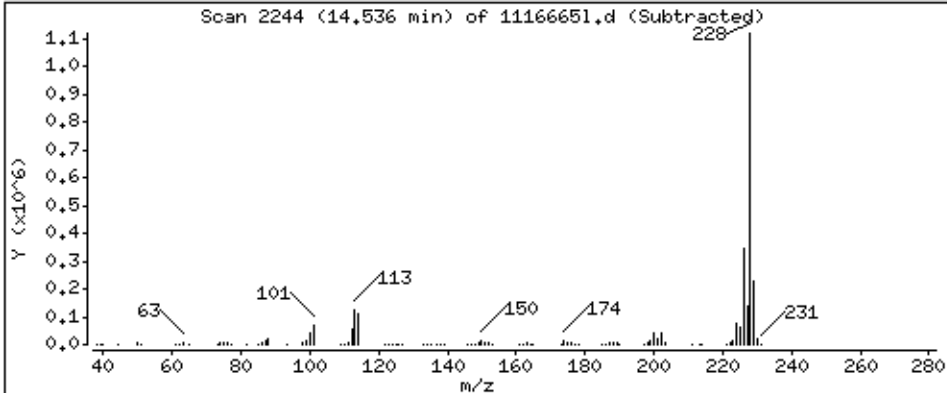
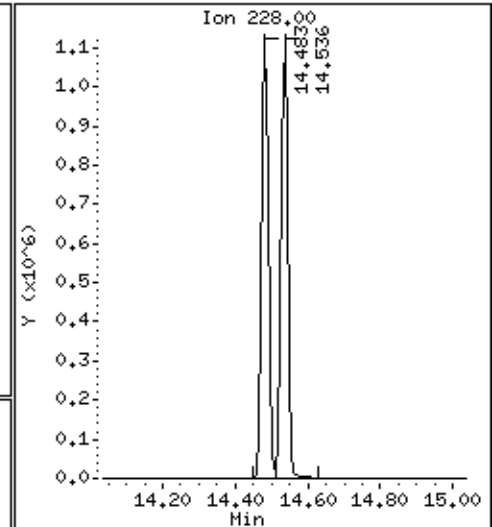
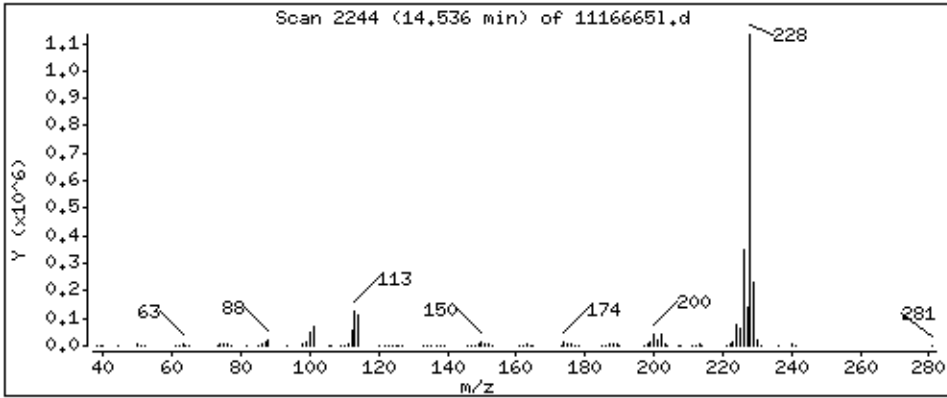
Operator: SN

Column phase: .50um DB-5ms

Column diameter: 0,25

85 Chrysene

Concentration: 2716 ug/Kg



Date : 25-JUN-2014 12:57

Client ID: MBLCS

Instrument: 50MSS2.i

Sample Info: 1116665

Volume Injected (uL): 1.0

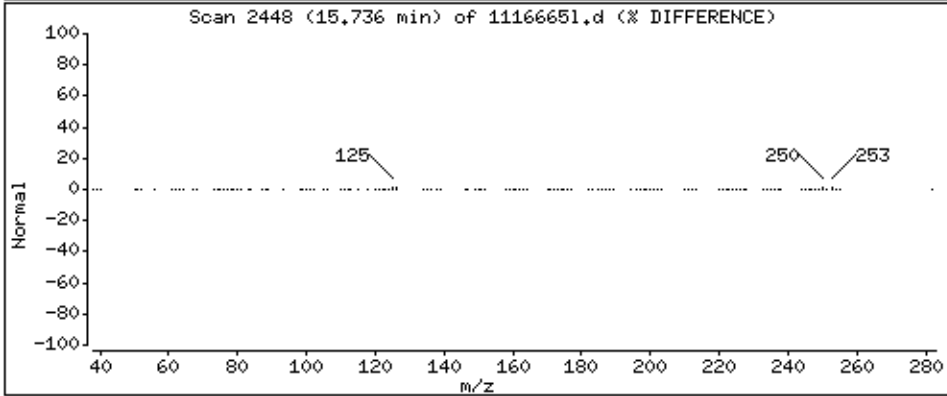
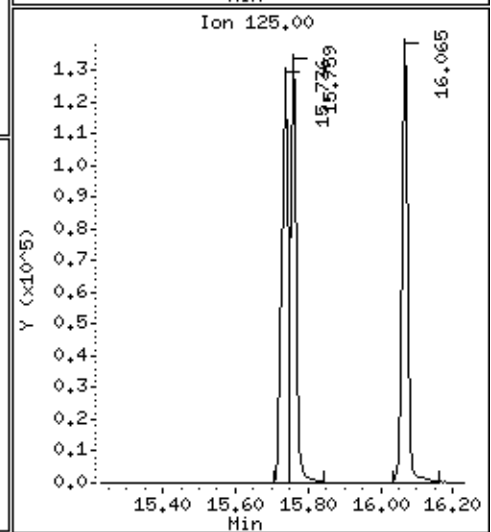
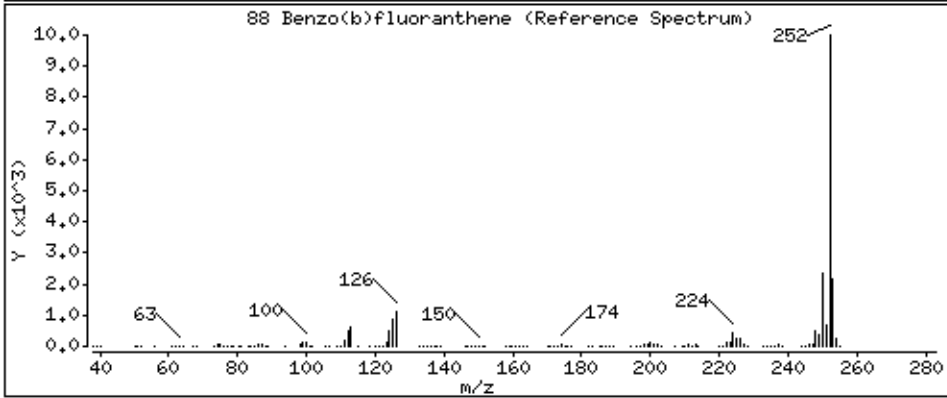
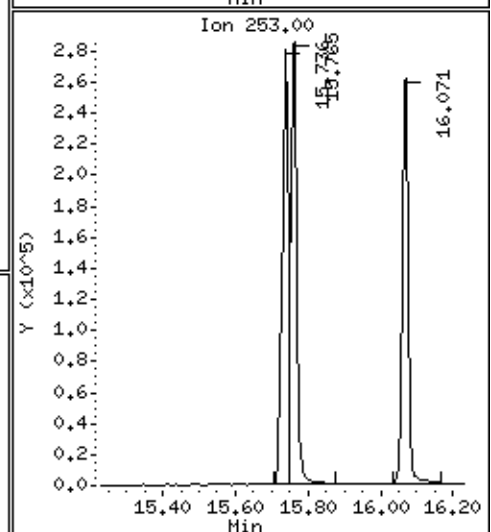
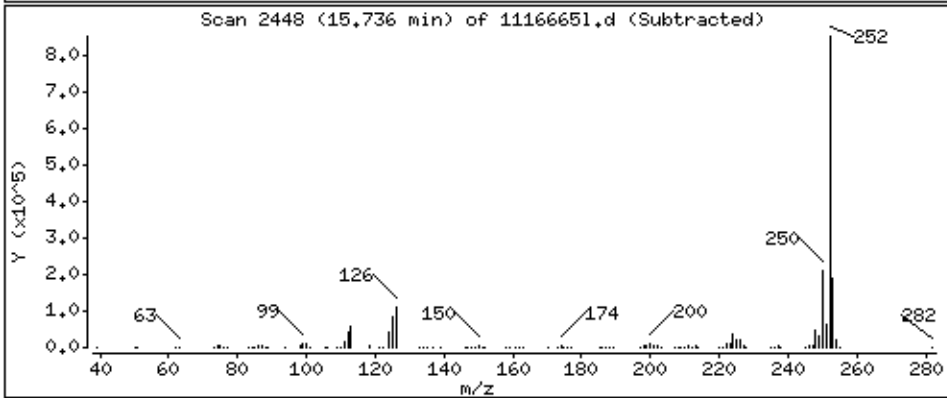
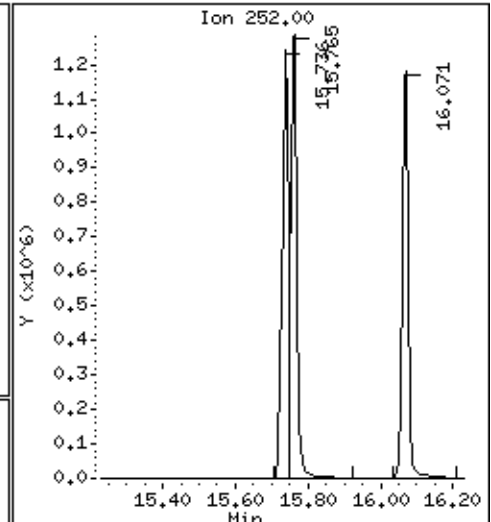
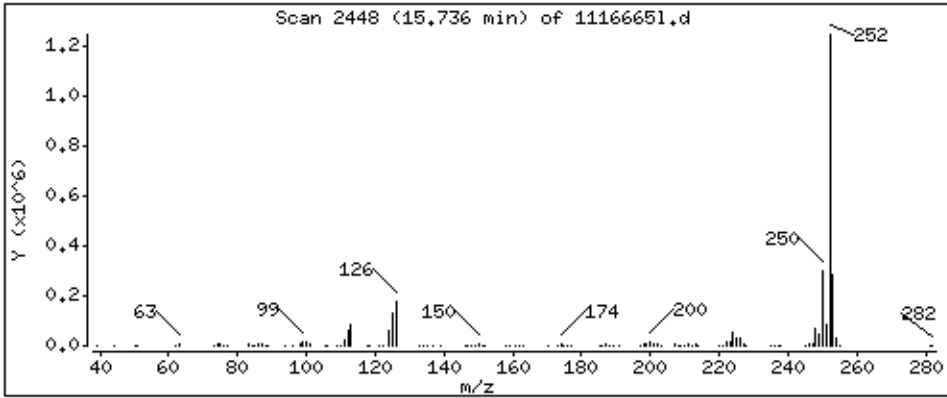
Operator: SN

Column phase: .50um DB-5ms

Column diameter: 0,25

88 Benzo(b)fluoranthene

Concentration: 2406 ug/Kg



Date : 25-JUN-2014 12:57

Client ID: MBLCS

Instrument: 50MSS2.i

Sample Info: 1116665

Volume Injected (uL): 1.0

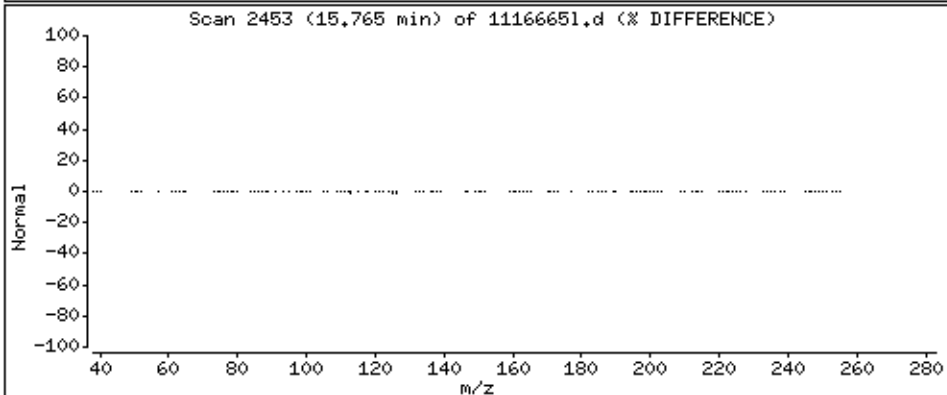
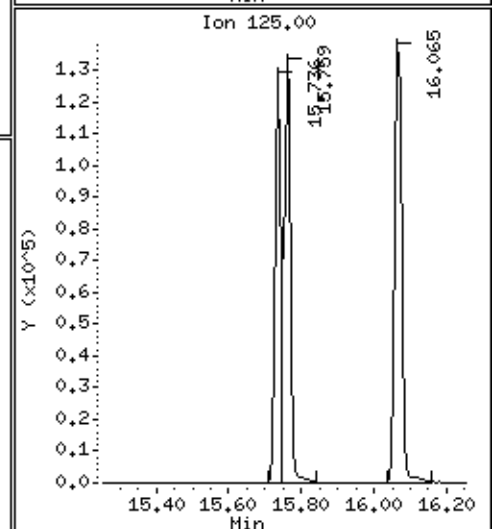
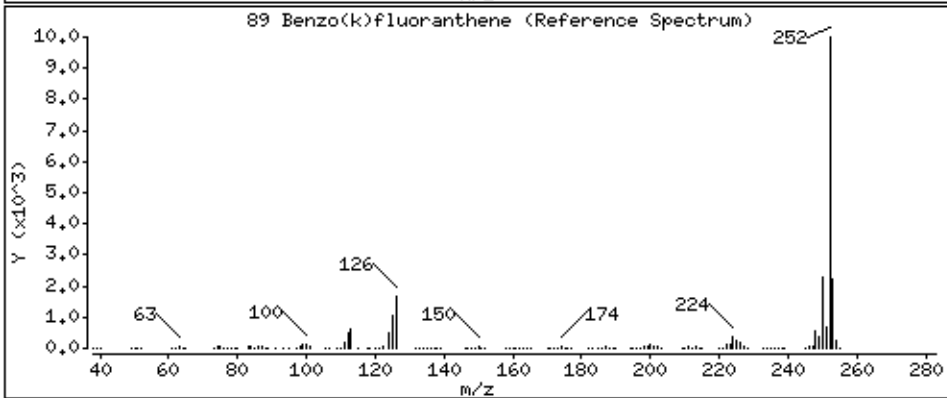
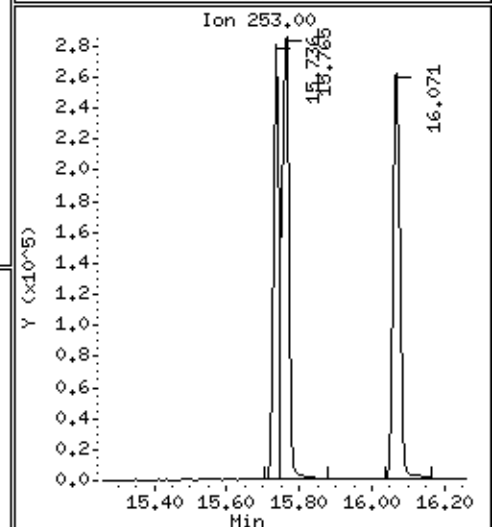
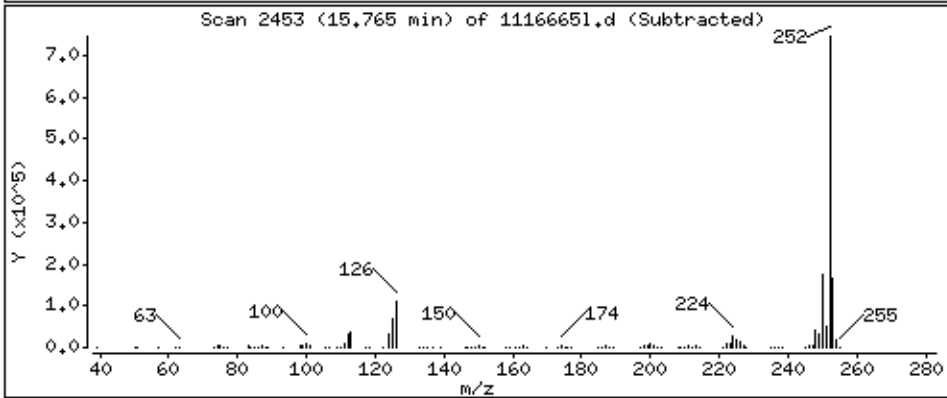
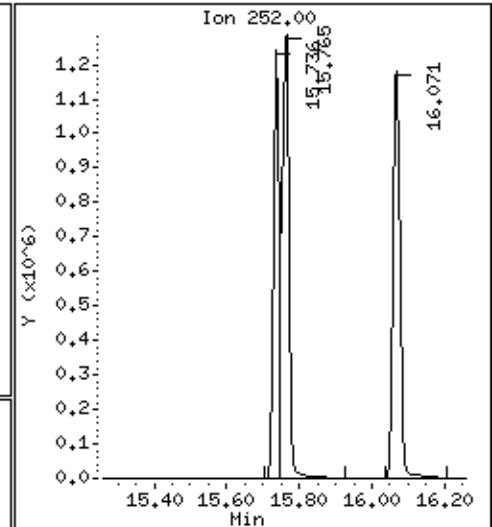
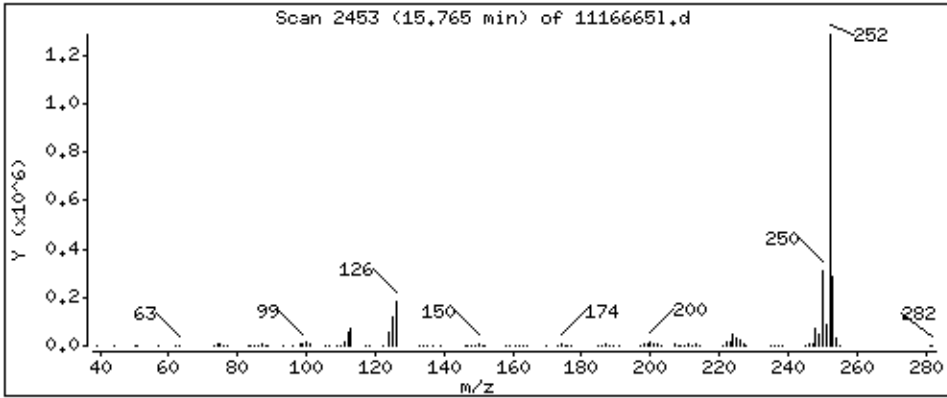
Operator: SN

Column phase: .50um DB-5ms

Column diameter: 0,25

89 Benzo(k)fluoranthene

Concentration: 2713 ug/Kg



Date : 25-JUN-2014 12:57

Client ID: MBLCS

Instrument: 50MSS2.i

Sample Info: 1116665

Volume Injected (uL): 1.0

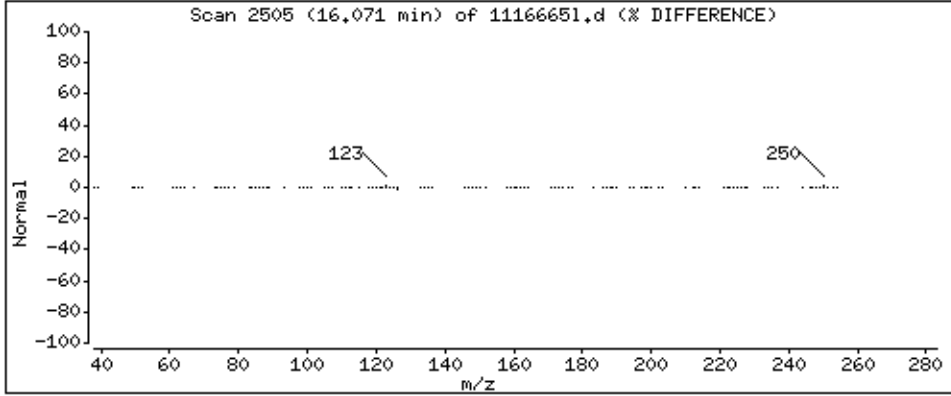
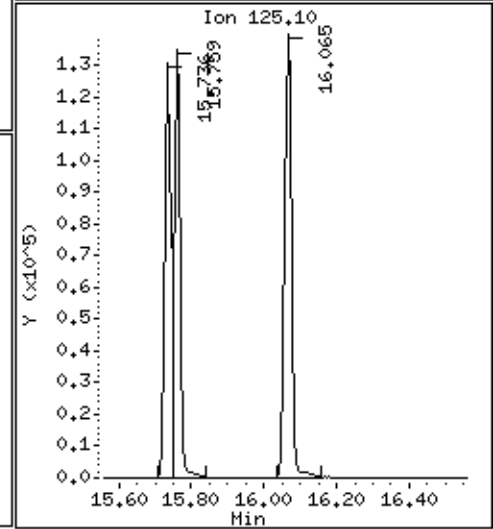
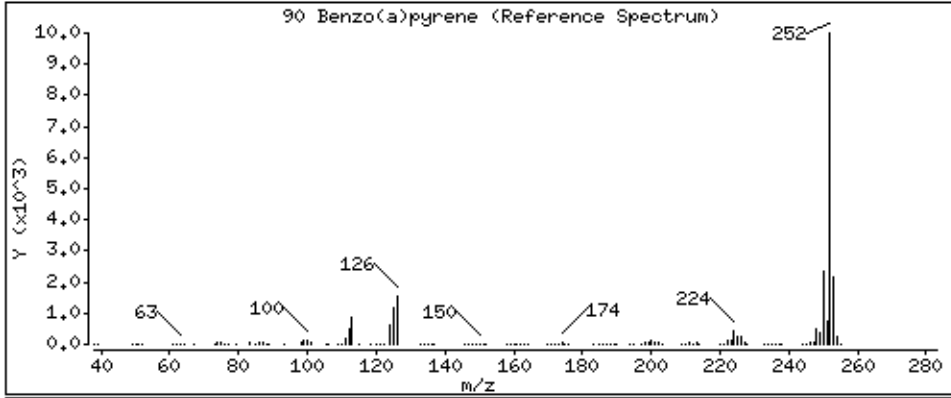
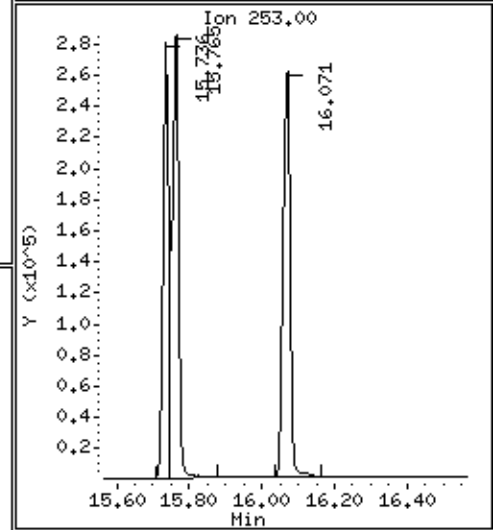
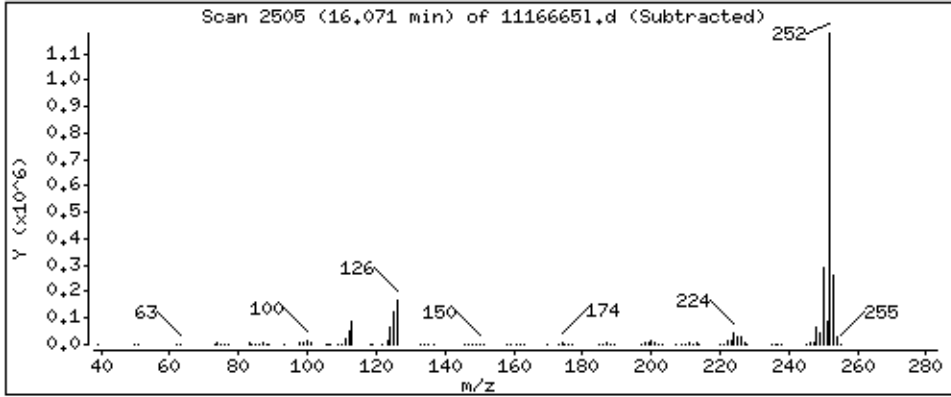
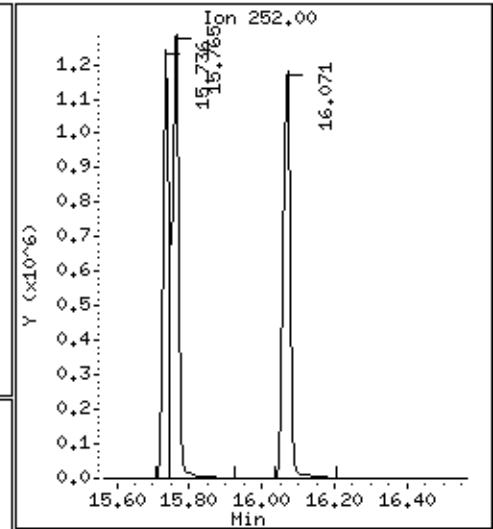
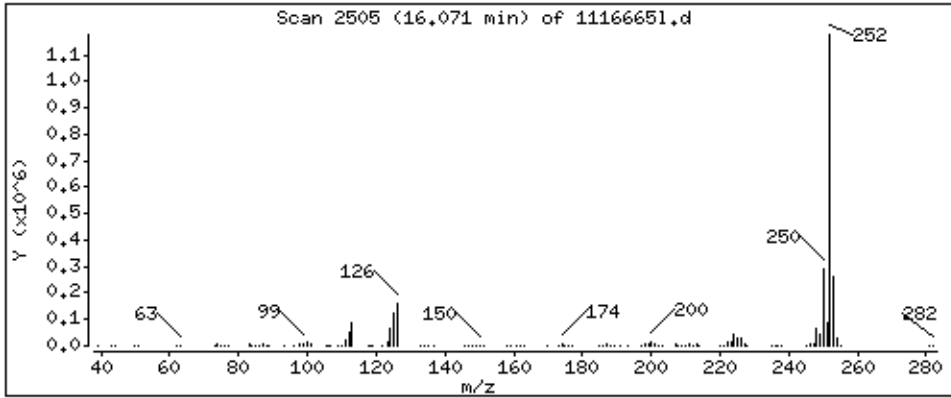
Operator: SN

Column phase: .50um DB-5ms

Column diameter: 0,25

90 Benzo(a)pyrene

Concentration: 2694 ug/Kg



Date : 25-JUN-2014 12:57

Client ID: MBLCS

Instrument: 50MSS2.i

Sample Info: 1116665

Volume Injected (uL): 1.0

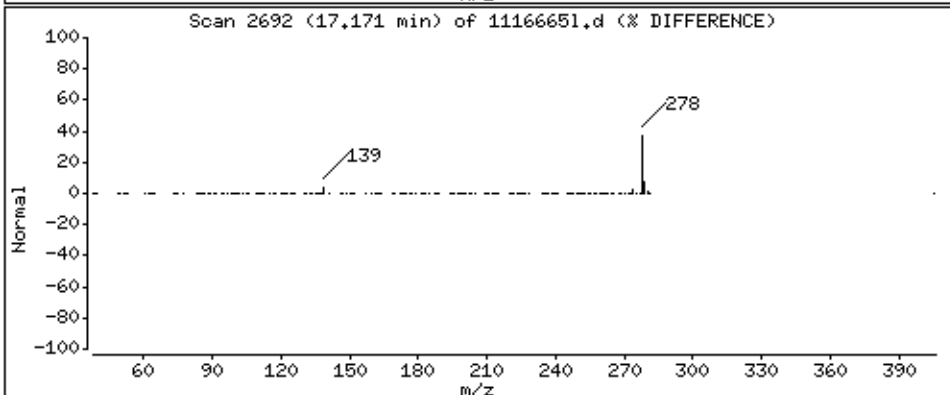
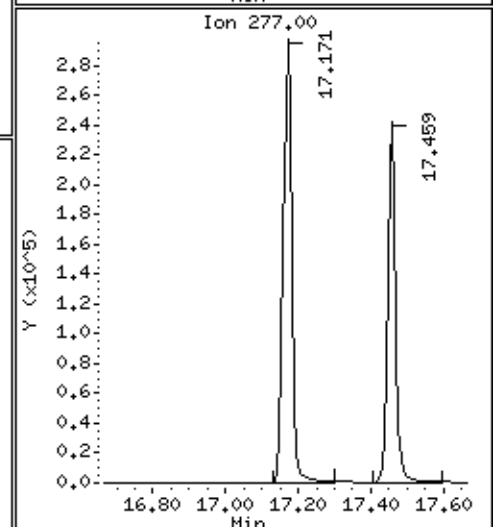
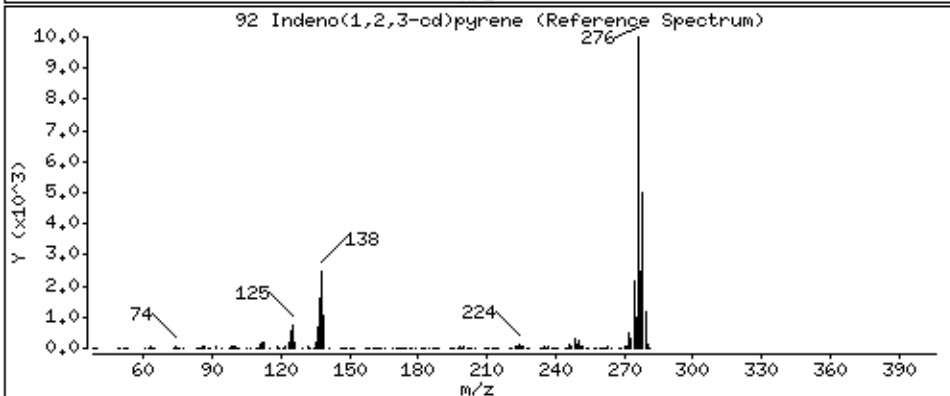
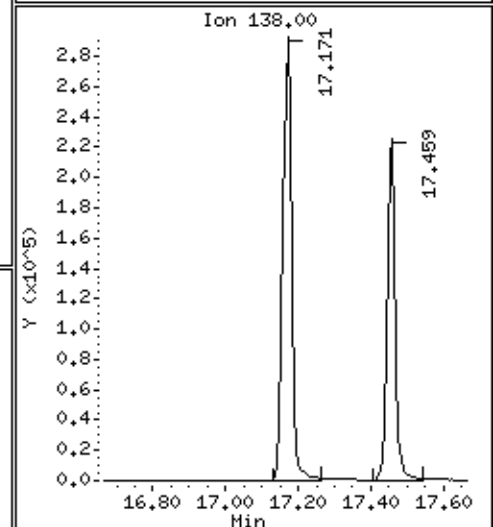
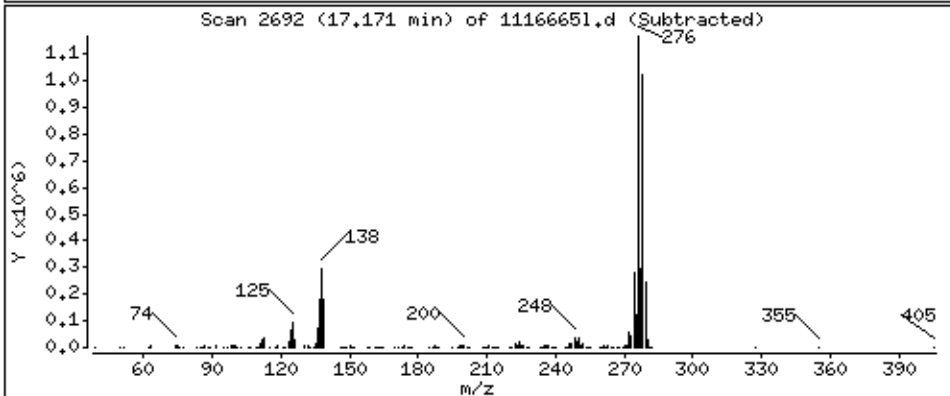
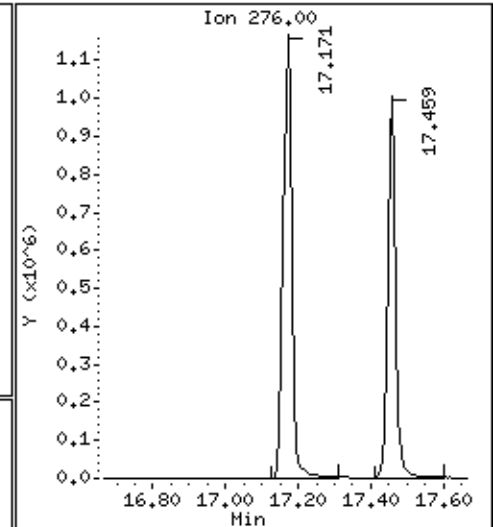
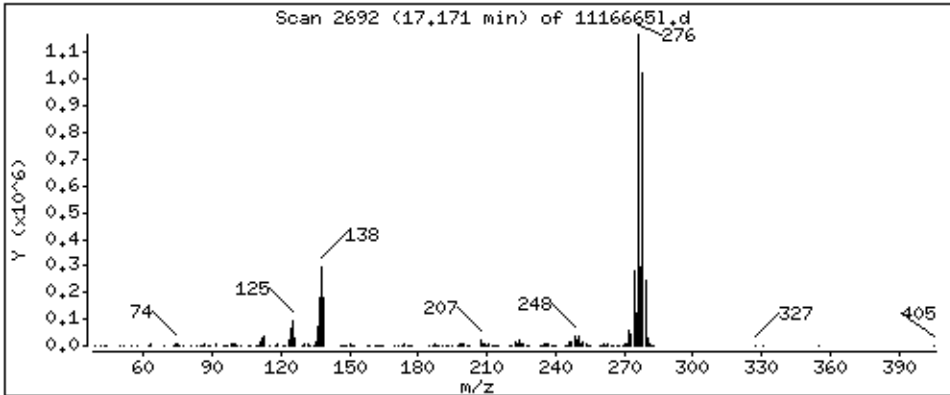
Operator: SN

Column phase: .50um DB-5ms

Column diameter: 0,25

92 Indeno(1,2,3-cd)pyrene

Concentration: 2653 ug/Kg



Date : 25-JUN-2014 12:57

Client ID: MBLCS

Instrument: 50MSS2.i

Sample Info: 1116665

Volume Injected (uL): 1.0

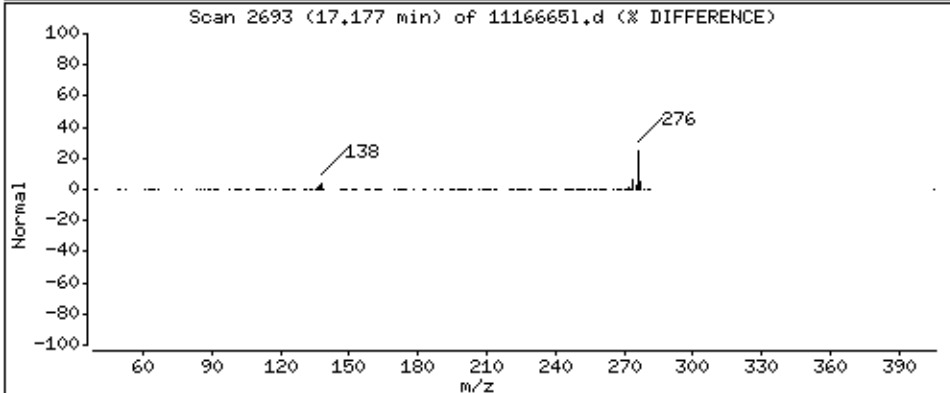
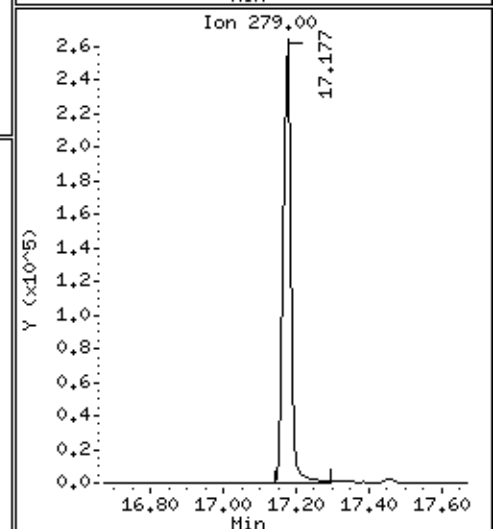
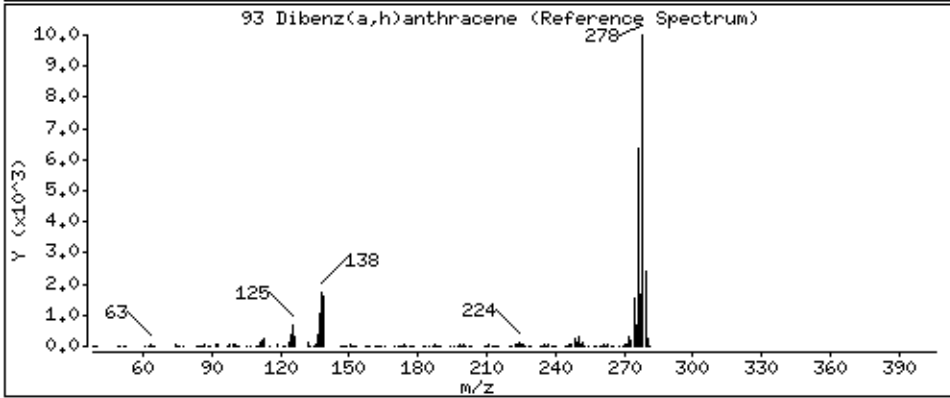
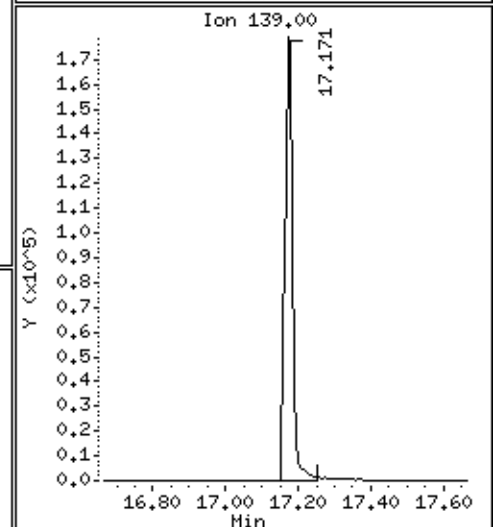
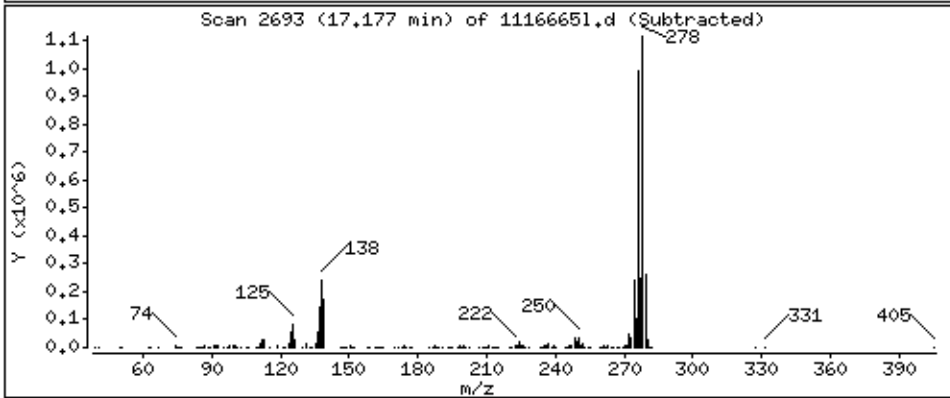
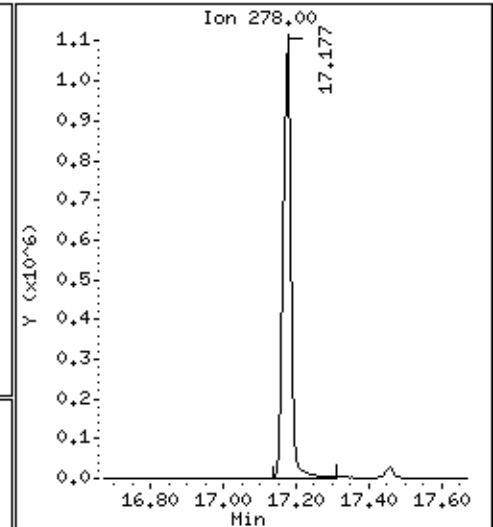
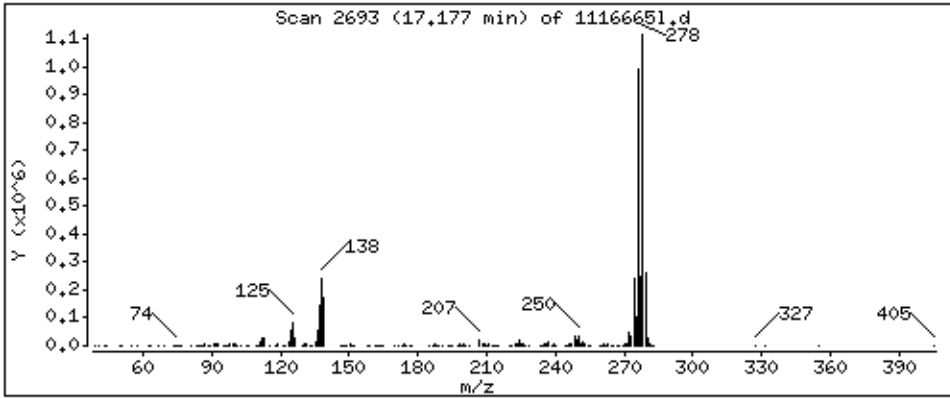
Operator: SN

Column phase: .50um DB-5ms

Column diameter: 0,25

93 Dibenz(a,h)anthracene

Concentration: 2713 ug/Kg



Date : 25-JUN-2014 12:57

Client ID: MBLCS

Instrument: 50MSS2.i

Sample Info: 1116665

Volume Injected (uL): 1.0

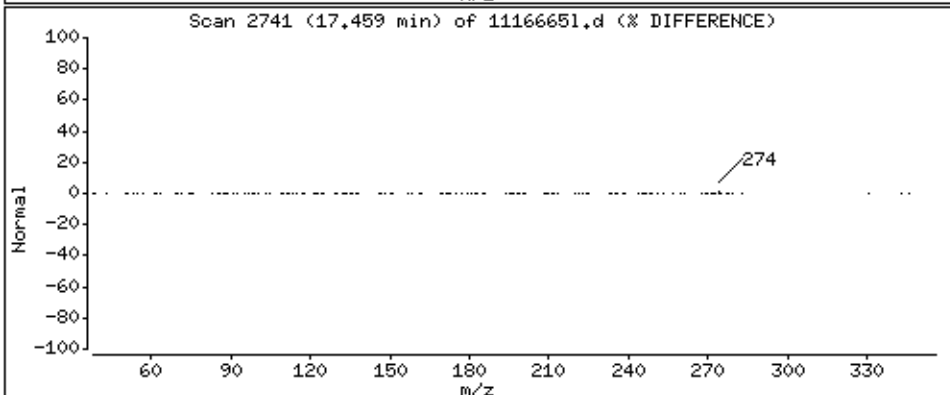
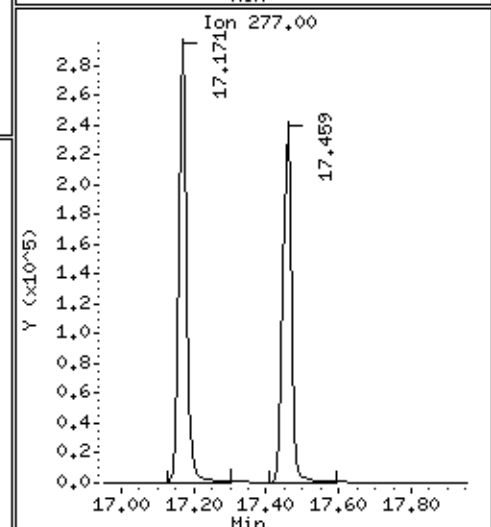
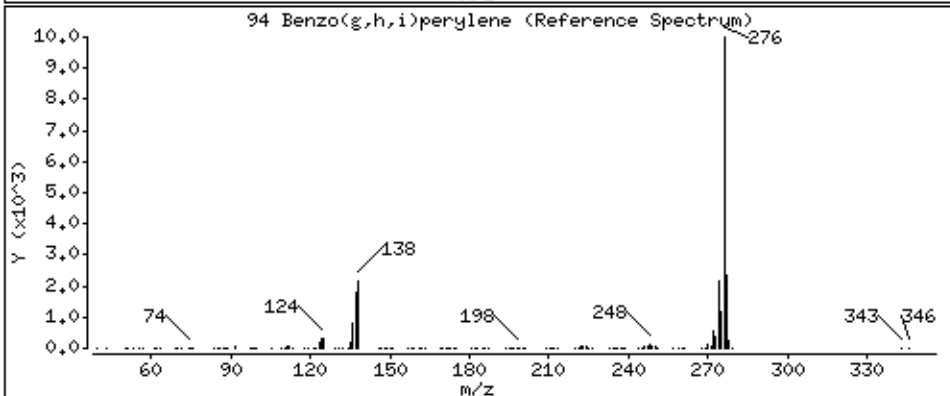
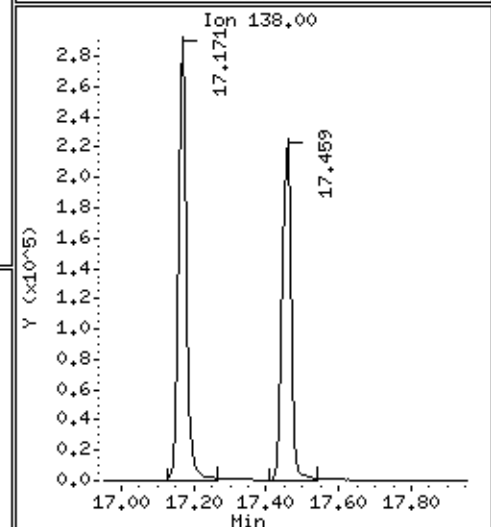
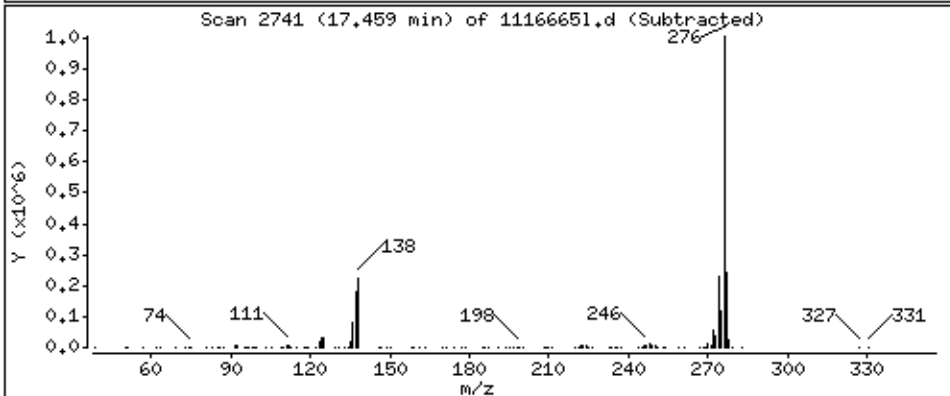
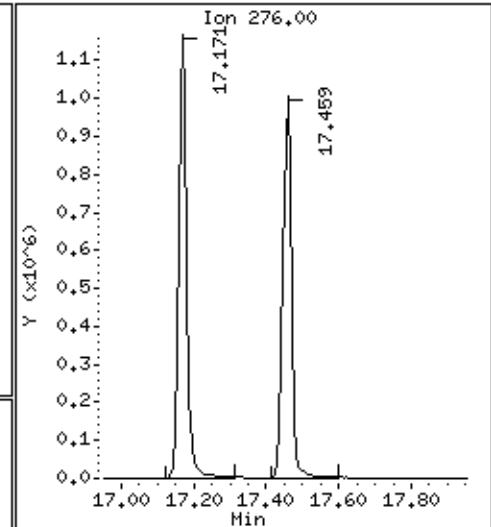
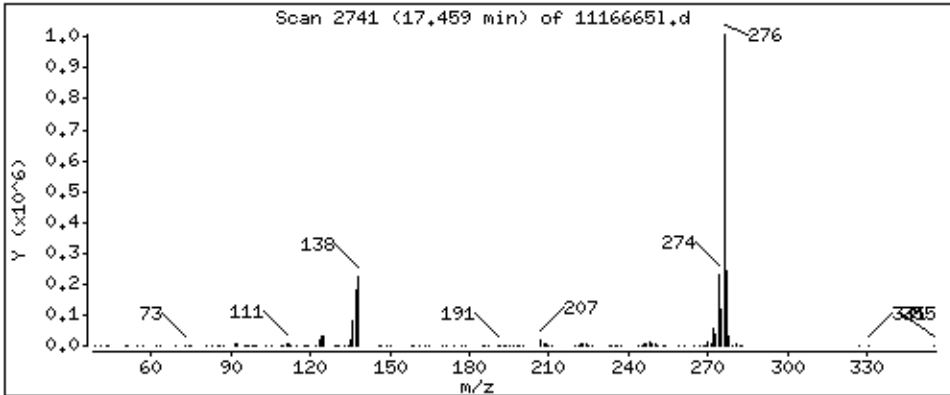
Operator: SN

Column phase: .50um DB-5ms

Column diameter: 0,25

94 Benzo(g,h,i)perylene

Concentration: 2663 ug/Kg



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 11:19
Date Analyzed: 06/26/2014 01:22
Initial wt/vol: 30 g Final wt/vol: 1 mL Dilution: 1

Contract: Sibley - Accucast
Matrix: Solid SDG No.: 5099627
Lab Sample ID: 1117084
Lab File ID: 062514.B\1117084L.D
Instrument: 50MSS2 Percent Moisture: _____

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
83-32-9	Acenaphthene	2380	
208-96-8	Acenaphthylene	2380	
120-12-7	Anthracene	2620	
56-55-3	Benzo(a)anthracene	2660	
50-32-8	Benzo(a)pyrene	2760	
205-99-2	Benzo(b)fluoranthene	2600	
191-24-2	Benzo(g,h,i)perylene	2650	
207-08-9	Benzo(k)fluoranthene	2640	
59-50-7	4-Chloro-3-methylphenol	2560	
95-57-8	2-Chlorophenol	2320	
218-01-9	Chrysene	2710	
53-70-3	Dibenz(a,h)anthracene	2750	
121-14-2	2,4-Dinitrotoluene	2320	
206-44-0	Fluoranthene	2780	
86-73-7	Fluorene	2550	
193-39-5	Indeno(1,2,3-cd)pyrene	2670	
91-57-6	2-Methylnaphthalene	2310	
91-20-3	Naphthalene	2170	
100-02-7	4-Nitrophenol	2250	
621-64-7	N-Nitroso-di-n-propylamine	2410	
87-86-5	Pentachlorophenol	2190	
85-01-8	Phenanthrene	2560	
108-95-2	Phenol	2390	
129-00-0	Pyrene	2760	

Pace Analytical Services, Inc.

Semivolatile REPORT SW-846 Method 8270/EPA 625

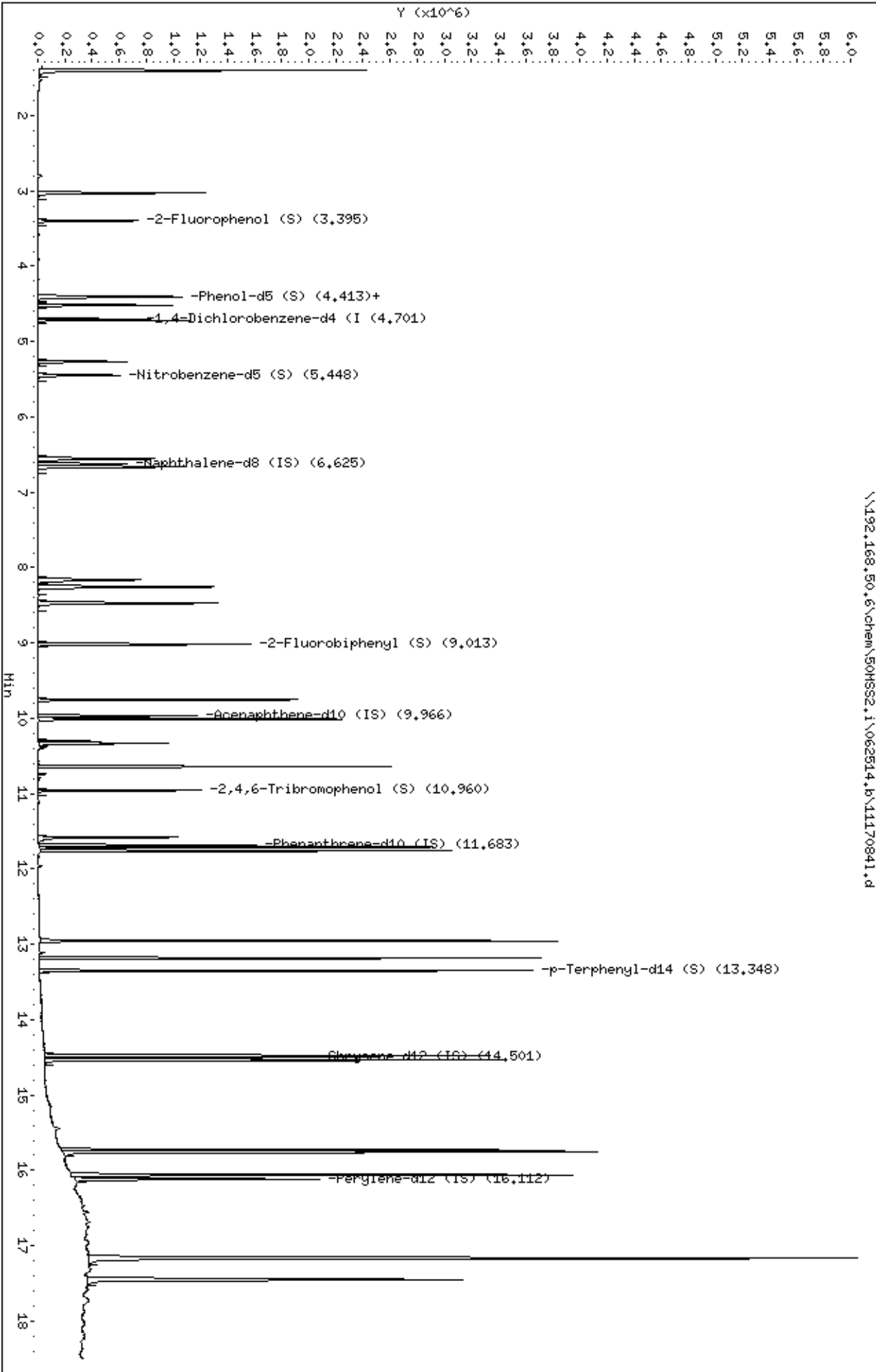
Data file : \\192.168.50.6\chem\50MSS2.i\062514.b\11170841.d
 Lab Smp Id: 1117084 Client Smp ID: MBLCS
 Inj Date : 26-JUN-2014 01:22
 Operator : SN Inst ID: 50MSS2.i
 Smp Info : 1117084
 Misc Info : 15575
 Comment :
 Method : \\192.168.50.6\chem\50MSS2.i\062514.b\8270c.m
 Meth Date : 26-Jun-2014 10:12 50MSS2.i Quant Type: ISTD
 Cal Date : 09-JUN-2014 14:49 Cal File: 100ppm.d
 Als bottle: 35 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 (ug/ml)	FINAL (ug/Kg)
			MASS	RT	EXP RT	REL RT		
\$ 3 2-Fluorophenol (S)	112		3.395	3.389	(0.722)	257134	68.6784	2289
\$ 6 Phenol-d5 (S)	99		4.401	4.395	(0.936)	336050	71.0917	2370
7 Phenol	94		4.413	4.407	(0.939)	356884	71.6691	2389
9 2-Chlorophenol	128		4.512	4.513	(0.960)	308436	69.4564	2315
* 11 1,4-Dichlorobenzene-d4 (IS)	152		4.701	4.695	(1.000)	131617	40.0000	
12 1,4-Dichlorobenzene	146		4.718	4.713	(1.004)	316013	63.5344	2118
21 N-Nitroso-di-n-propylamine	70		5.265	5.271	(1.120)	190102	72.1992	2407
\$ 23 Nitrobenzene-d5 (S)	82		5.448	5.442	(0.822)	267386	65.7844	2193
31 1,2,4-Trichlorobenzene	180		6.554	6.554	(0.989)	296284	67.6505	2255
* 32 Naphthalene-d8 (IS)	136		6.624	6.618	(1.000)	530948	40.0000	
33 Naphthalene	128		6.659	6.660	(1.005)	889321	64.9662	2166
38 4-Chloro-3-methylphenol	107		8.159	8.159	(1.232)	283887	76.7910	2560
39 2-Methylnaphthalene	142		8.253	8.254	(1.246)	651167	69.2376	2308
41 1-Methylnaphthalene	142		8.471	8.465	(1.279)	583403	63.0779	2102
\$ 46 2-Fluorobiphenyl (S)	172		9.012	9.012	(0.904)	726046	67.0723	2236
51 Acenaphthylene	152		9.753	9.753	(0.978)	1092828	71.3500	2378
* 53 Acenaphthene-d10 (IS)	164		9.971	9.965	(1.000)	320942	40.0000	
55 Acenaphthene	153		10.012	10.006	(1.004)	681240	71.5257	2384
58 4-Nitrophenol	109		10.306	10.300	(1.034)	82301	67.5211	2251

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN (ug/ml)	FINAL (ug/Kg)
59 2,4-Dinitrotoluene	165	10.330	10.330	(1.036)	217471	69.7139	2324
61 Fluorene	166	10.642	10.642	(1.067)	816655	76.3967	2546
\$ 67 2,4,6-Tribromophenol (S)	330	10.959	10.959	(0.938)	190795	81.6388	2721
71 Pentachlorophenol	266	11.577	11.577	(0.991)	168287	65.7626	2192
* 72 Phenanthrene-d10 (IS)	188	11.683	11.683	(1.000)	630459	40.0000	
73 Phenanthrene	178	11.712	11.706	(1.002)	1298014	76.7355	2558
74 Anthracene	178	11.759	11.753	(1.007)	1337669	78.6121	2620
77 Fluoranthene	202	12.953	12.953	(1.109)	1608071	83.4893	2783
79 Pyrene	202	13.183	13.177	(1.128)	1671840	82.8837	2763
\$ 80 p-Terphenyl-d14 (S)	244	13.347	13.347	(1.142)	1231962	95.1616	3172
82 Benzo(a)anthracene	228	14.477	14.477	(0.998)	1716053	79.7633	2659
* 84 Chrysene-d12 (IS)	240	14.500	14.500	(1.000)	841668	40.0000	
85 Chrysene	228	14.529	14.535	(1.002)	1644190	81.3340	2711
88 Benzo(b)fluoranthene	252	15.729	15.730	(0.976)	1883250	78.0846	2603
89 Benzo(k)fluoranthene	252	15.753	15.759	(0.978)	1989136	79.1698	2639
90 Benzo(a)pyrene	252	16.059	16.065	(0.997)	1808354	82.8727	2762
* 91 Perylene-d12 (IS)	264	16.112	16.118	(1.000)	797197	40.0000	
92 Indeno(1,2,3-cd)pyrene	276	17.165	17.165	(1.065)	2275501	79.9680	2666
93 Dibenz(a,h)anthracene	278	17.165	17.171	(1.065)	1883214	82.3583	2745
94 Benzo(g,h,i)perylene	276	17.453	17.453	(1.083)	1907817	79.5715	2652



Date : 26-JUN-2014 01:22

Client ID: MBLCS

Instrument: 50MSS2.i

Sample Info: 1117084

Volume Injected (uL): 1.0

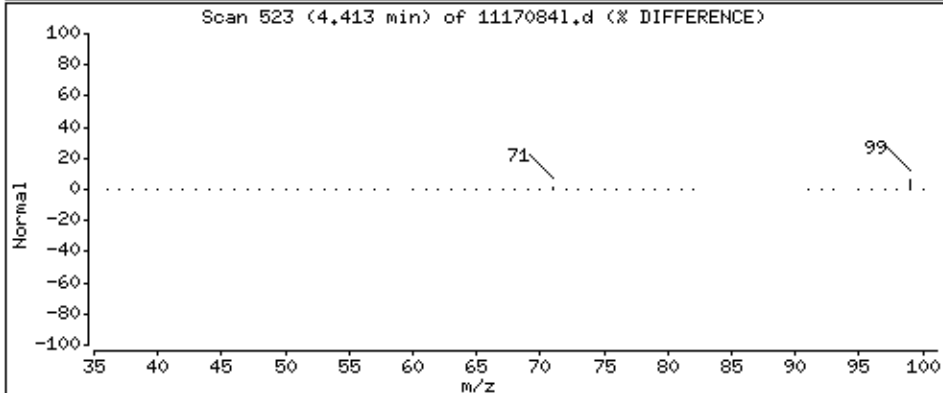
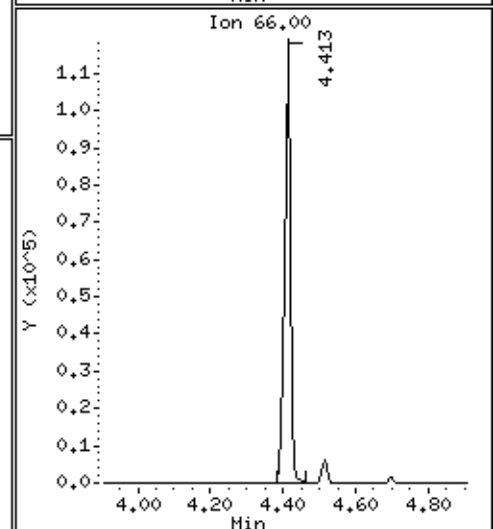
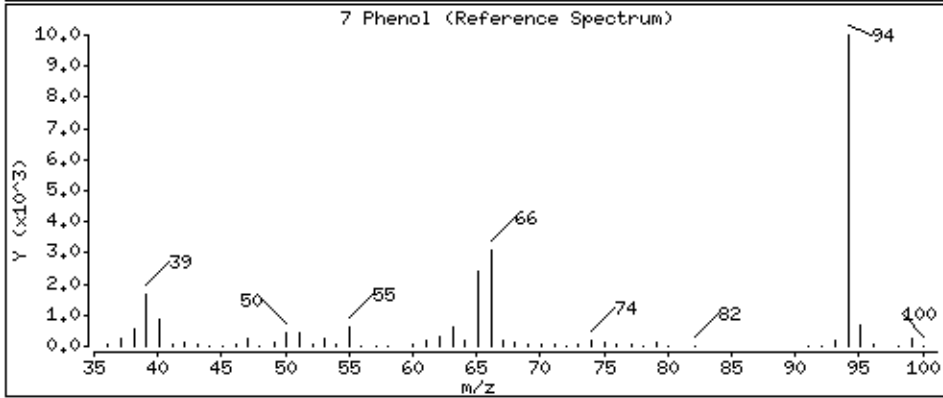
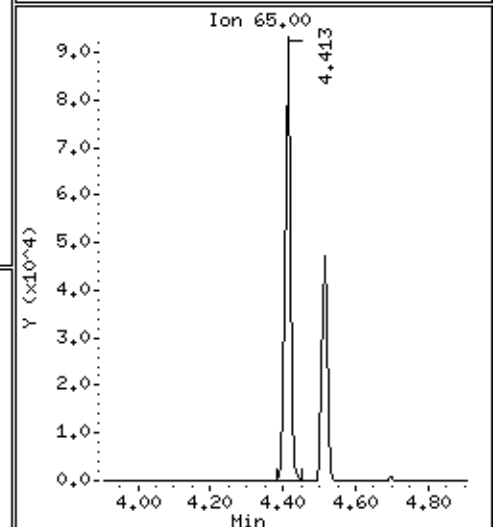
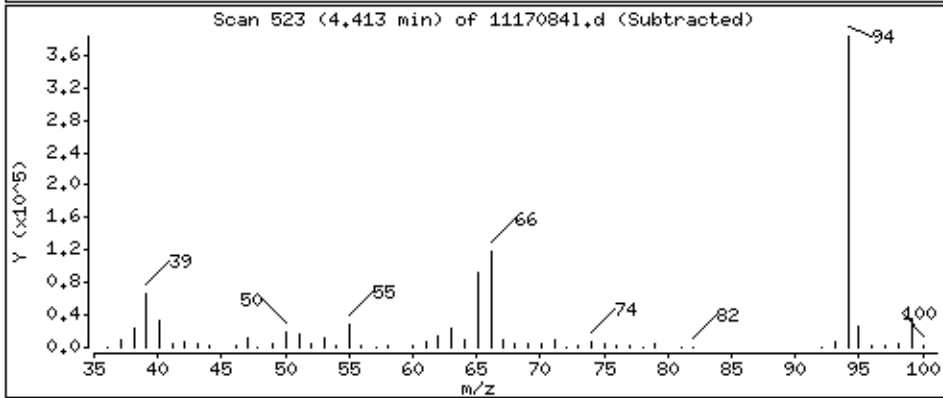
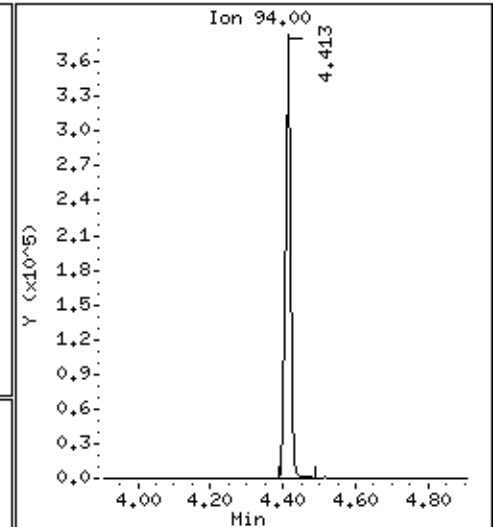
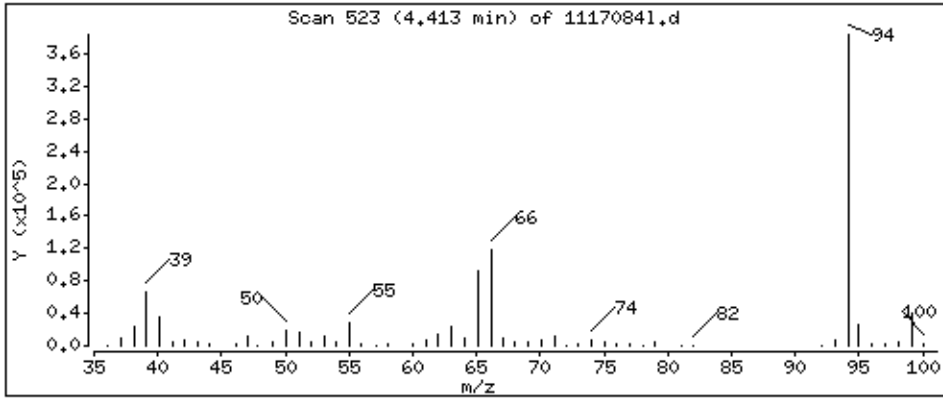
Operator: SN

Column phase: .50um DB-5ms

Column diameter: 0,25

7 Phenol

Concentration: 2389 ug/Kg



Date : 26-JUN-2014 01:22

Client ID: MBLCS

Instrument: 50MSS2.i

Sample Info: 1117084

Volume Injected (uL): 1.0

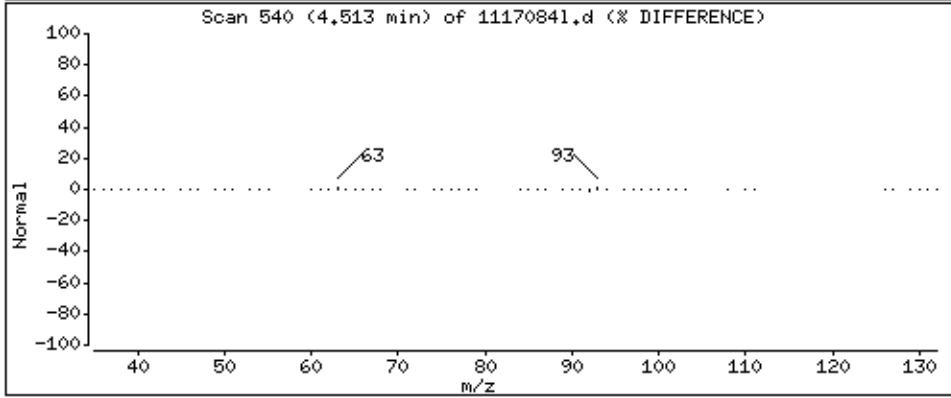
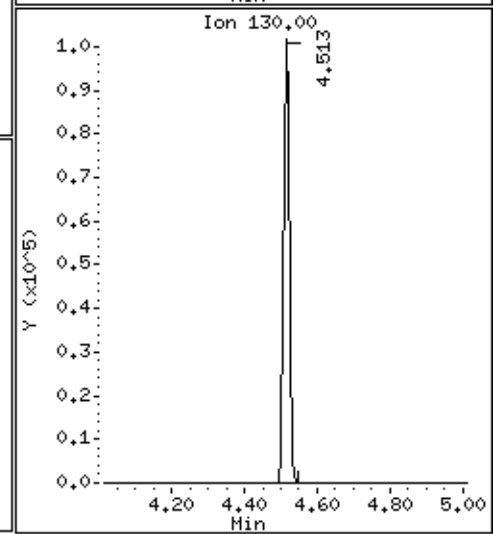
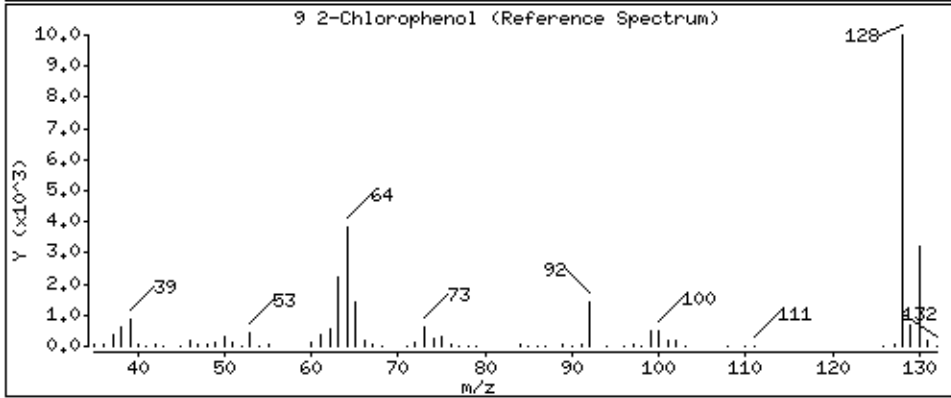
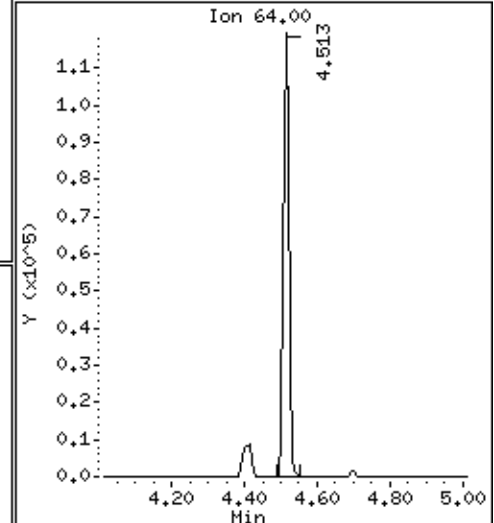
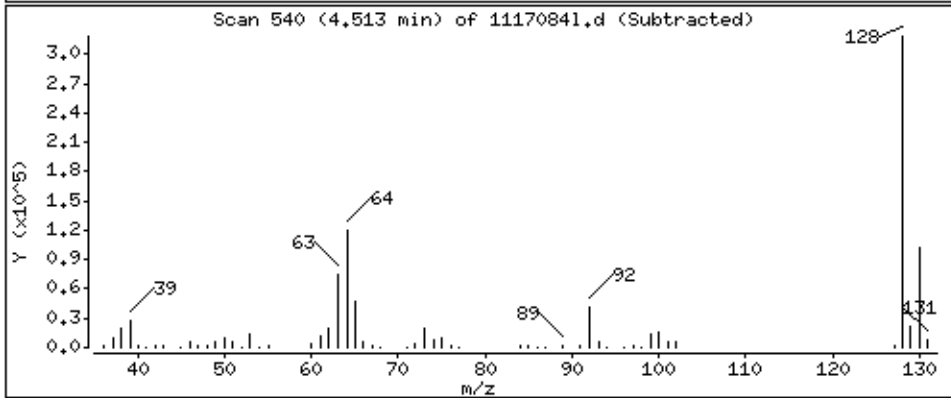
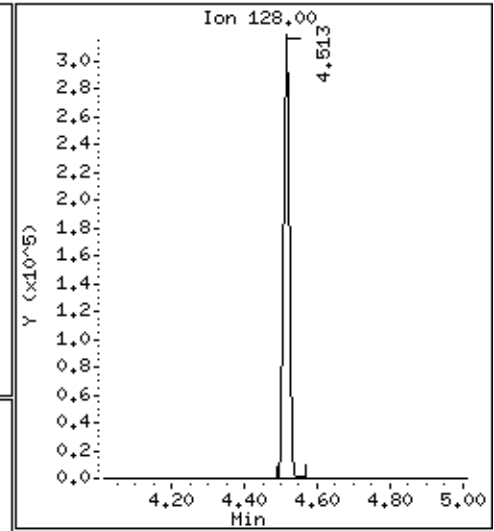
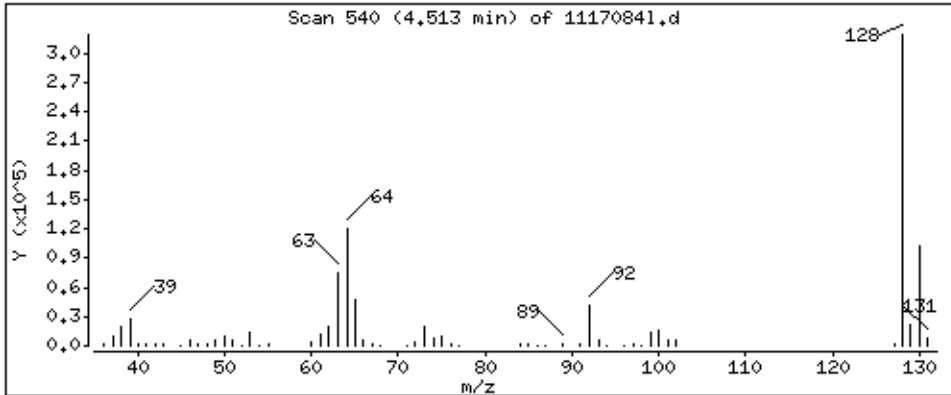
Operator: SN

Column phase: .50um DB-5ms

Column diameter: 0,25

9 2-Chlorophenol

Concentration: 2315 ug/Kg



Date : 26-JUN-2014 01:22

Client ID: MBLCS

Instrument: 50MSS2.i

Sample Info: 1117084

Volume Injected (uL): 1.0

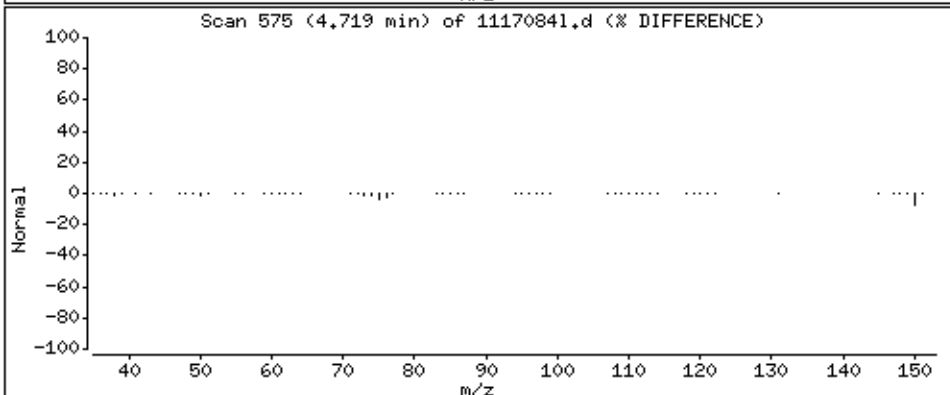
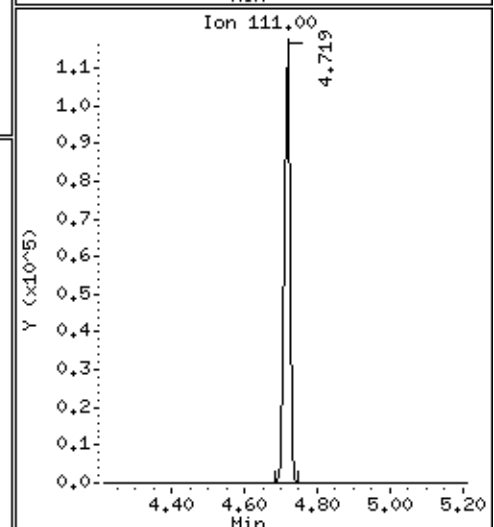
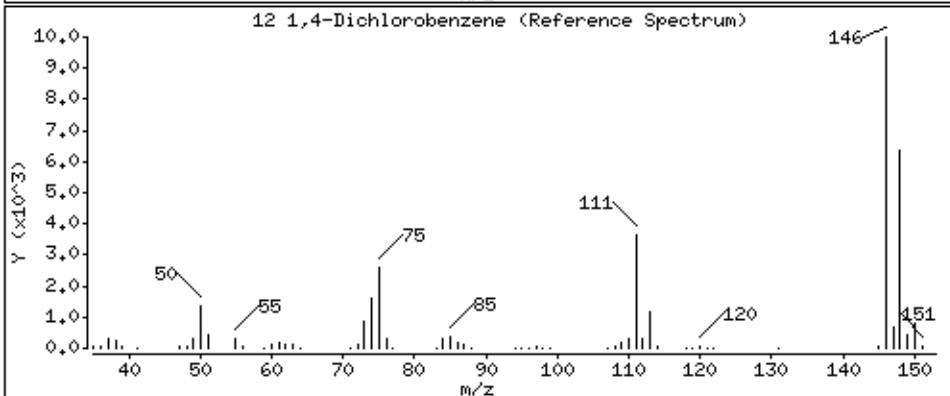
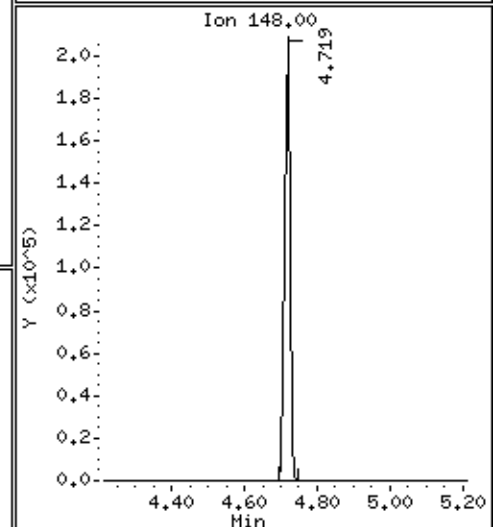
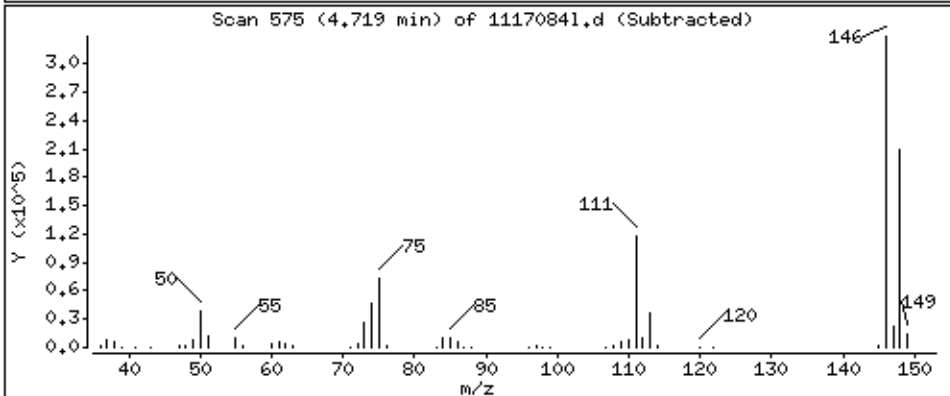
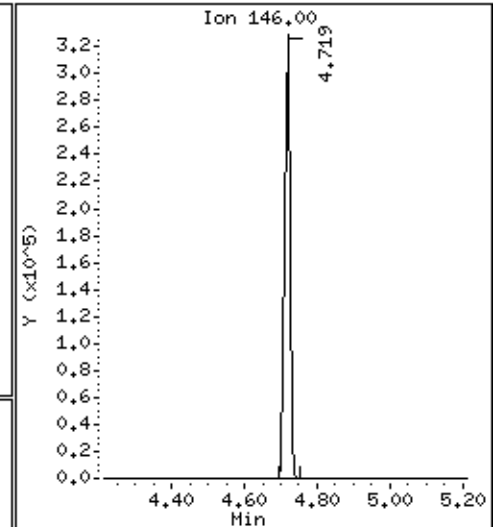
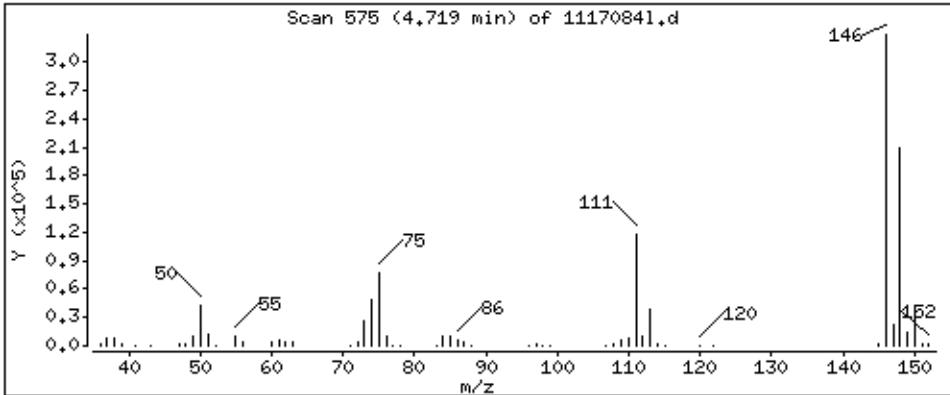
Operator: SN

Column phase: .50um DB-5ms

Column diameter: 0,25

12 1,4-Dichlorobenzene

Concentration: 2118 ug/Kg



Date : 26-JUN-2014 01:22

Client ID: MBLCS

Instrument: 50MSS2.i

Sample Info: 1117084

Volume Injected (uL): 1.0

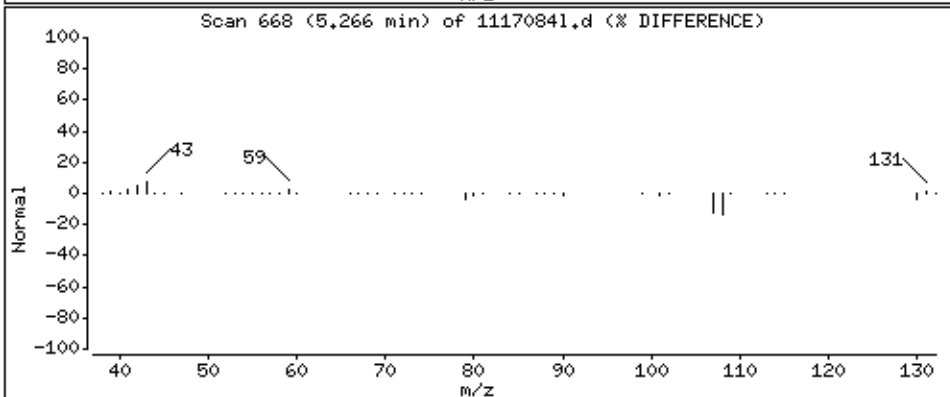
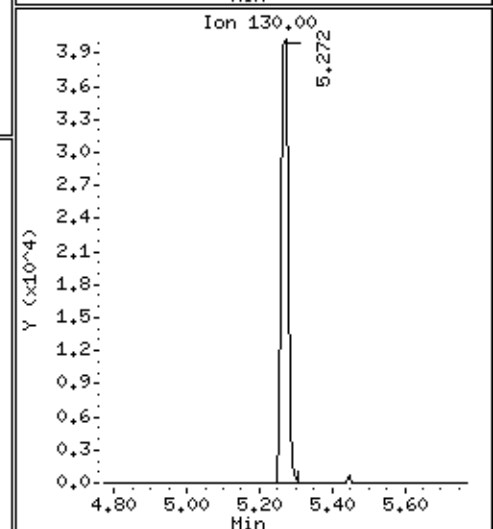
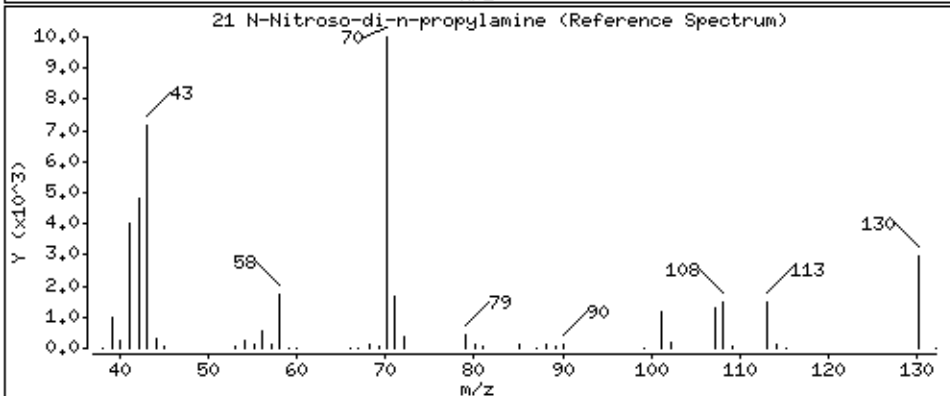
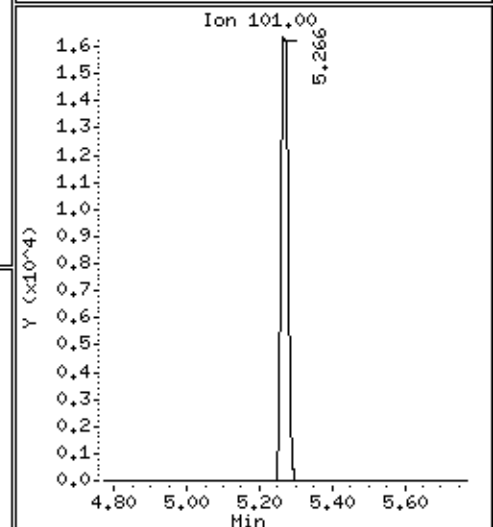
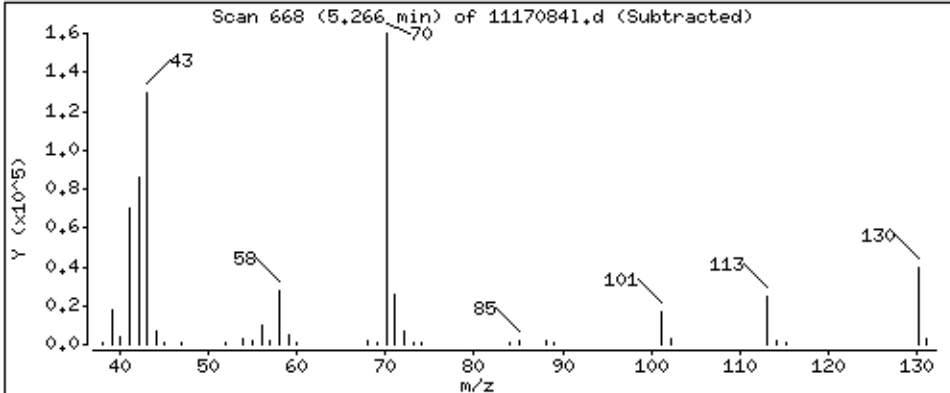
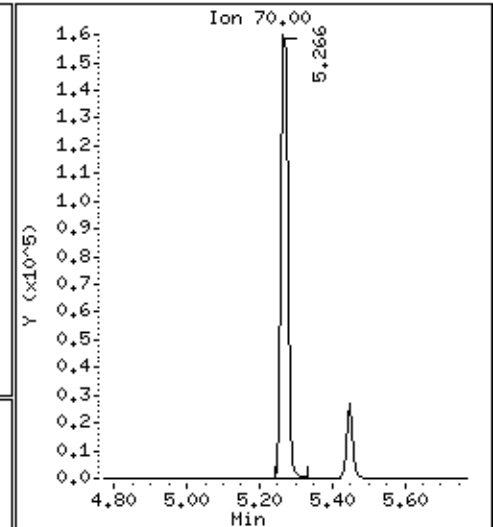
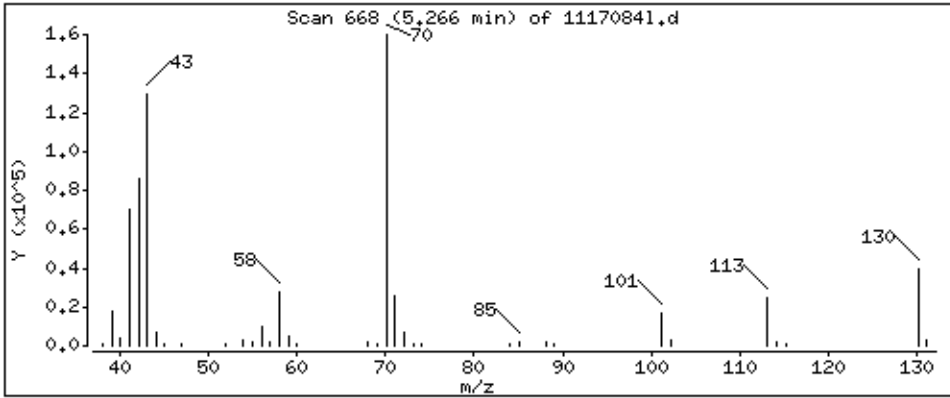
Operator: SN

Column phase: .50um DB-5ms

Column diameter: 0,25

21 N-Nitroso-di-n-propylamine

Concentration: 2407 ug/Kg



Date : 26-JUN-2014 01:22

Client ID: MBLCS

Instrument: 50MSS2.i

Sample Info: 1117084

Volume Injected (uL): 1.0

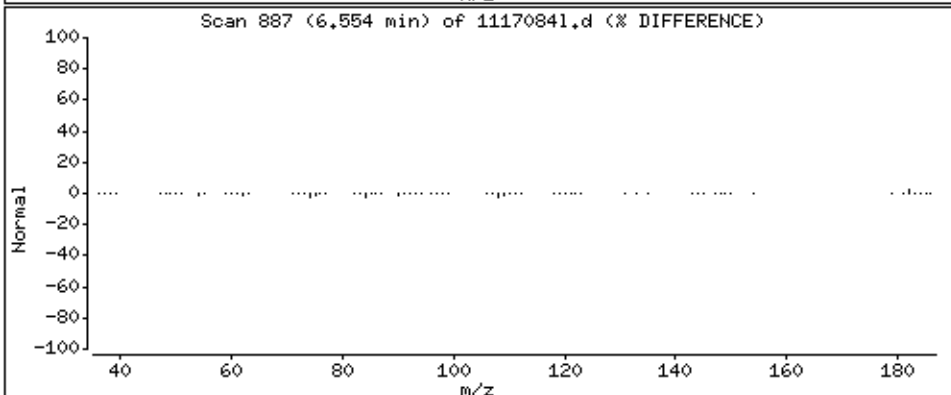
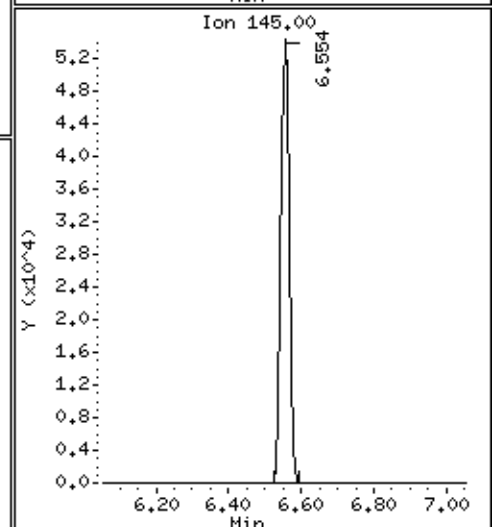
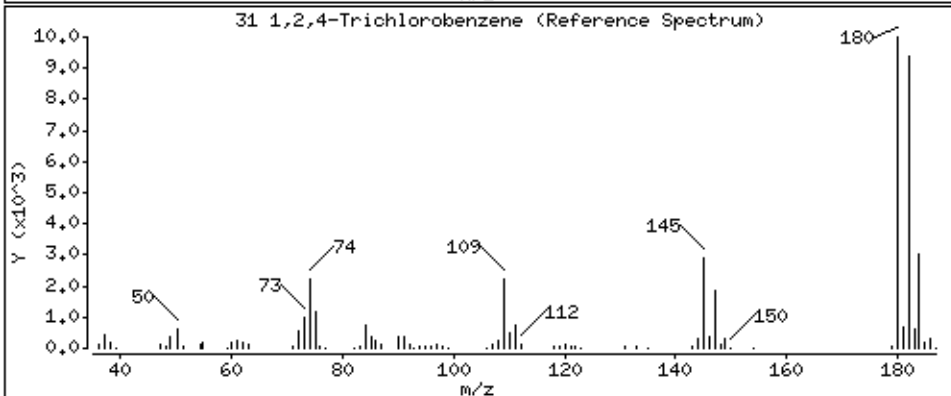
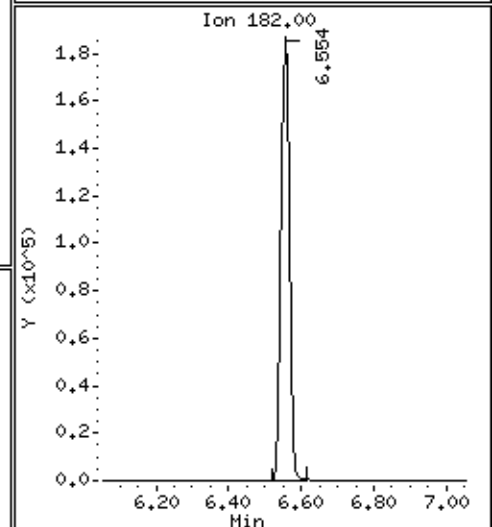
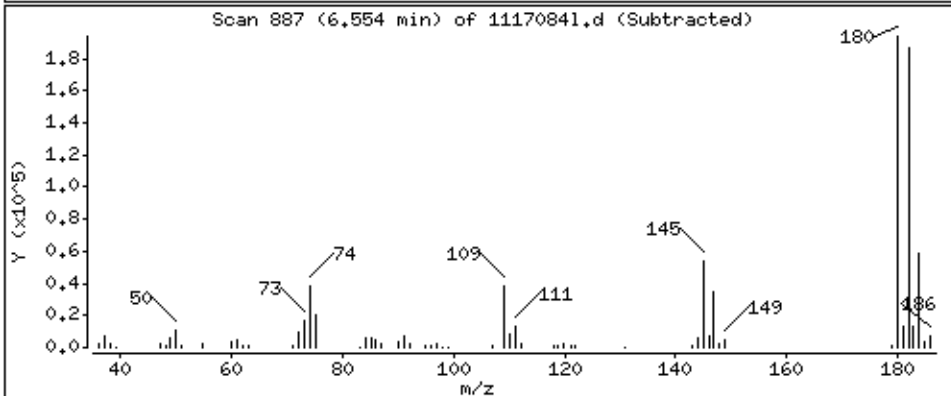
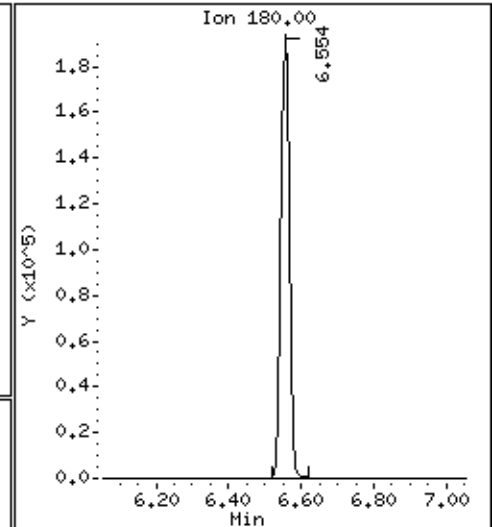
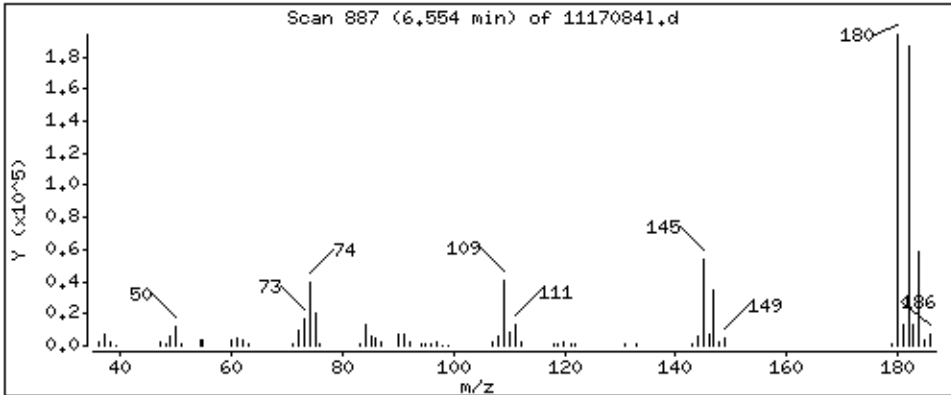
Operator: SN

Column phase: .50um DB-5ms

Column diameter: 0,25

31 1,2,4-Trichlorobenzene

Concentration: 2255 ug/Kg



Date : 26-JUN-2014 01:22

Client ID: MBLCS

Instrument: 50MSS2.i

Sample Info: 1117084

Volume Injected (uL): 1.0

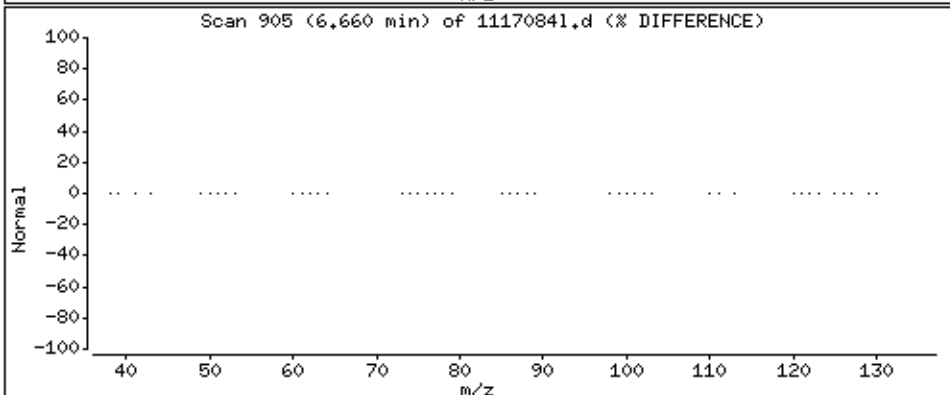
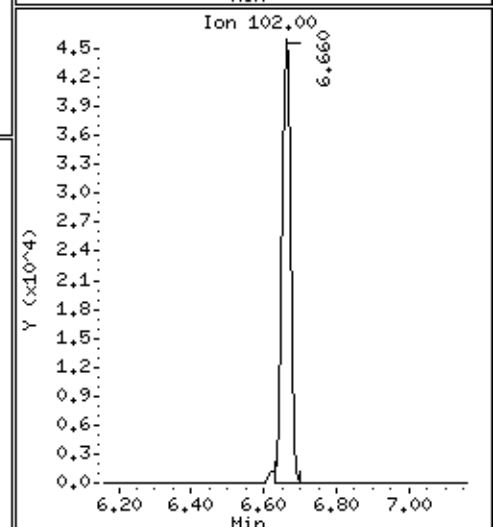
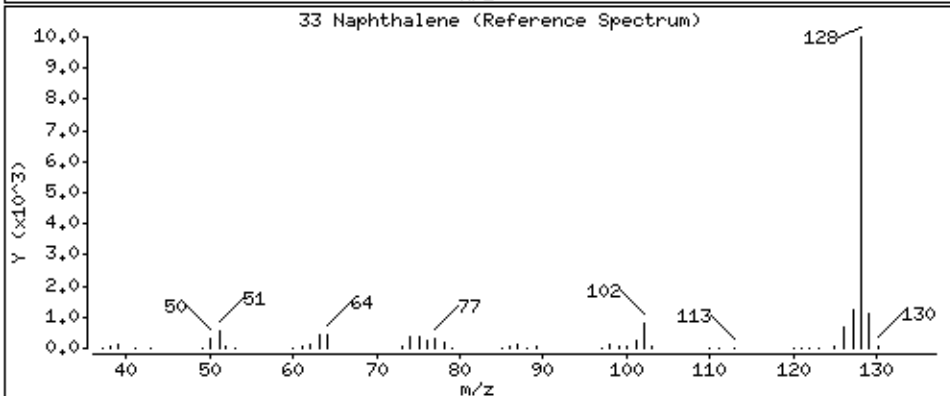
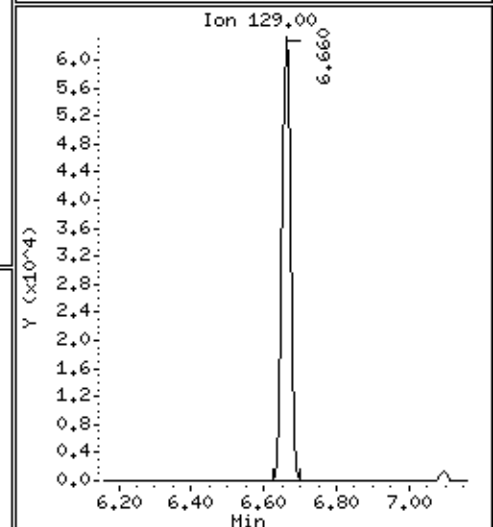
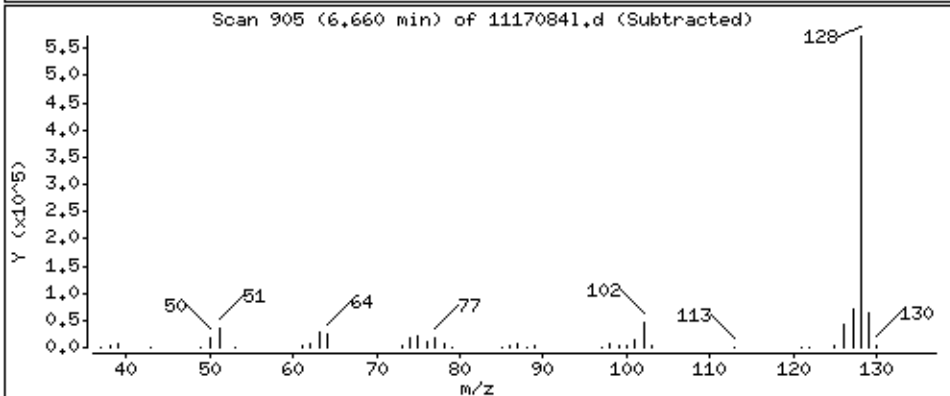
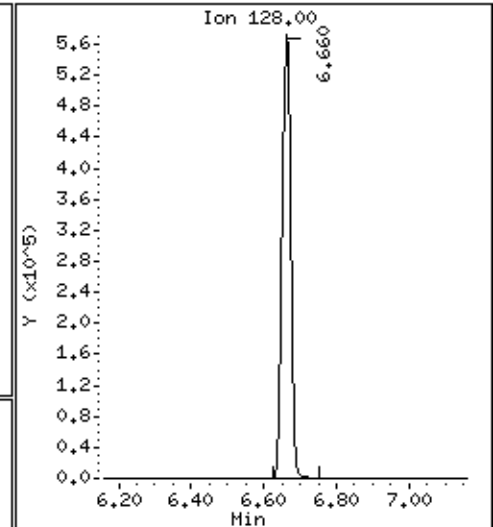
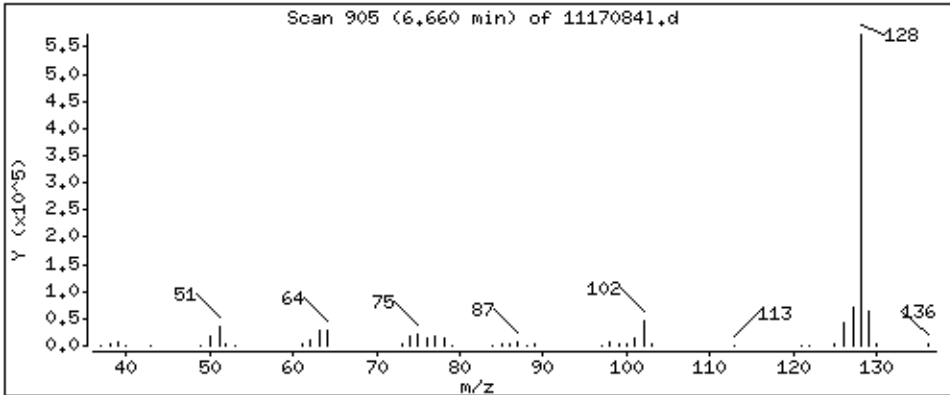
Operator: SN

Column phase: .50um DB-5ms

Column diameter: 0,25

33 Naphthalene

Concentration: 2166 ug/Kg



Date : 26-JUN-2014 01:22

Client ID: MBLCS

Instrument: 50MSS2.i

Sample Info: 1117084

Volume Injected (uL): 1.0

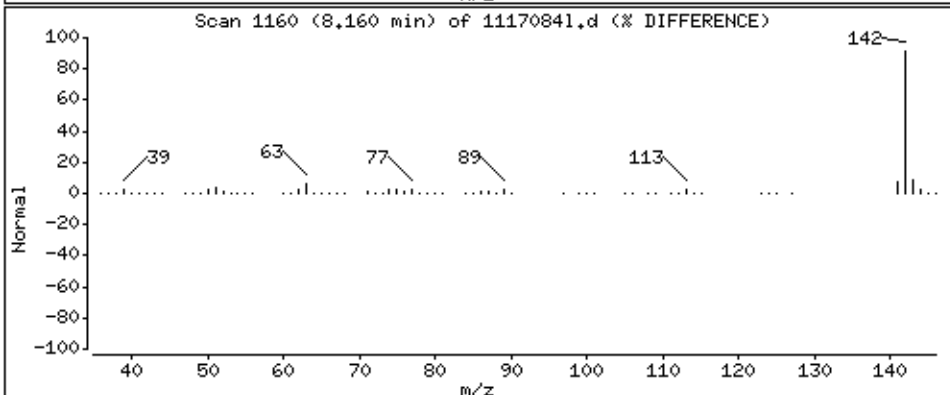
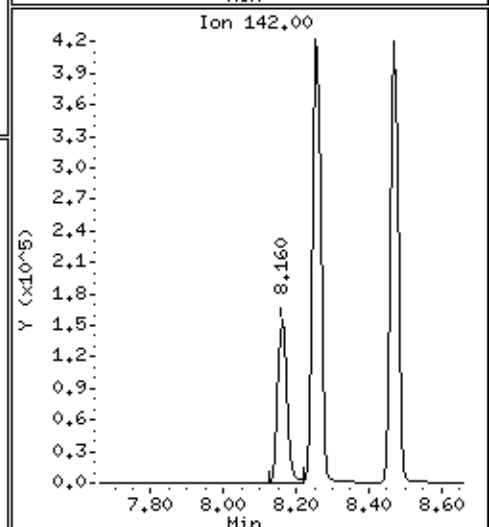
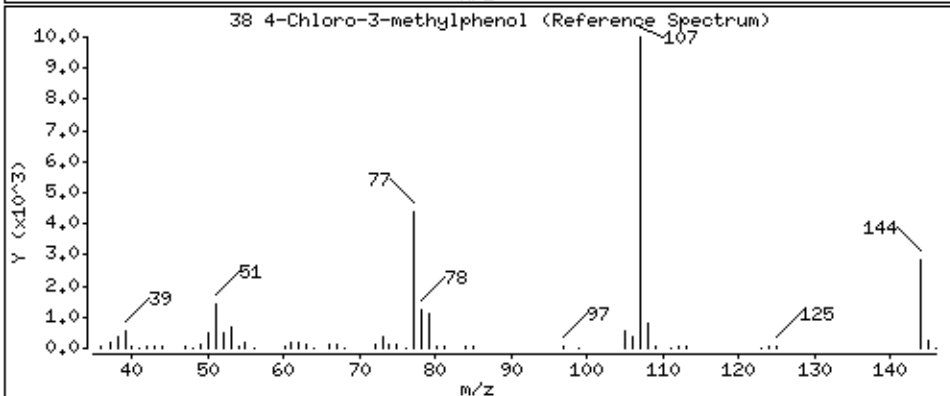
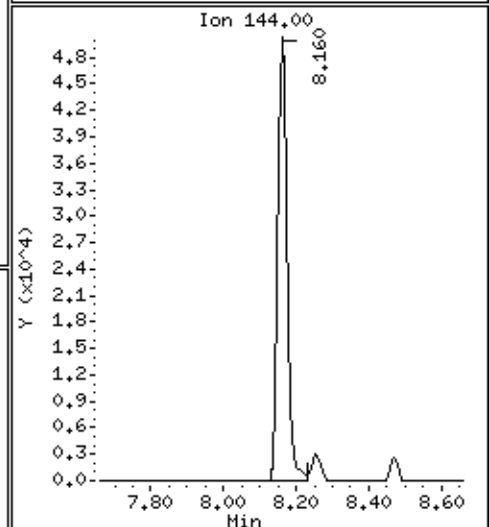
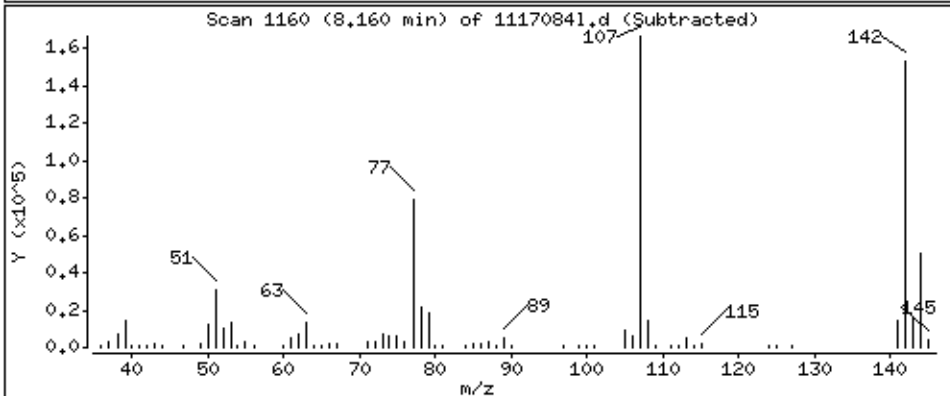
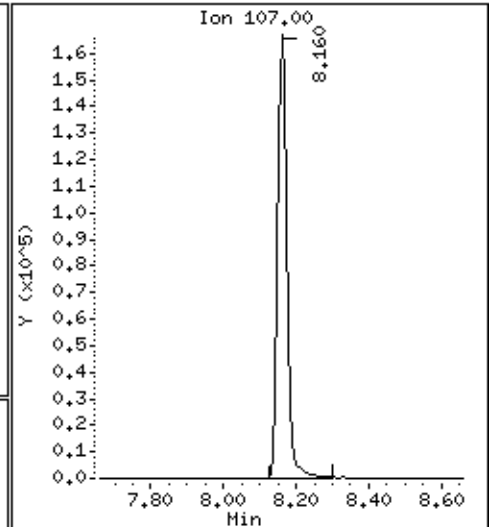
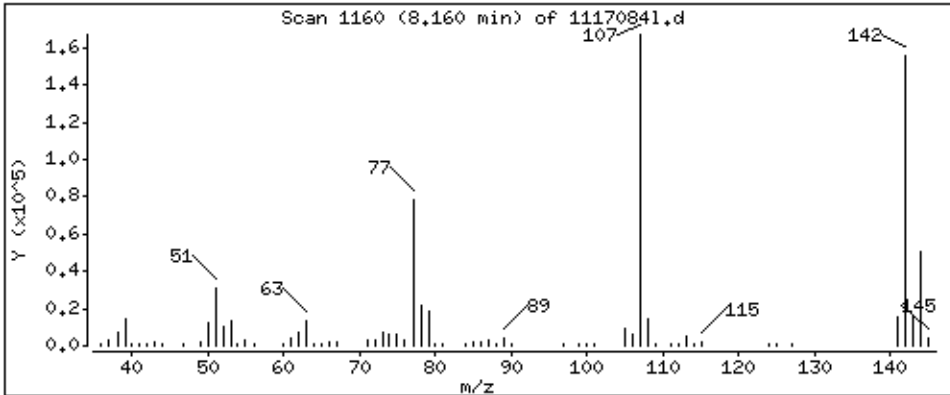
Operator: SN

Column phase: .50um DB-5ms

Column diameter: 0,25

38 4-Chloro-3-methylphenol

Concentration: 2560 ug/Kg



Date : 26-JUN-2014 01:22

Client ID: MBLCS

Instrument: 50MSS2.i

Sample Info: 1117084

Volume Injected (uL): 1.0

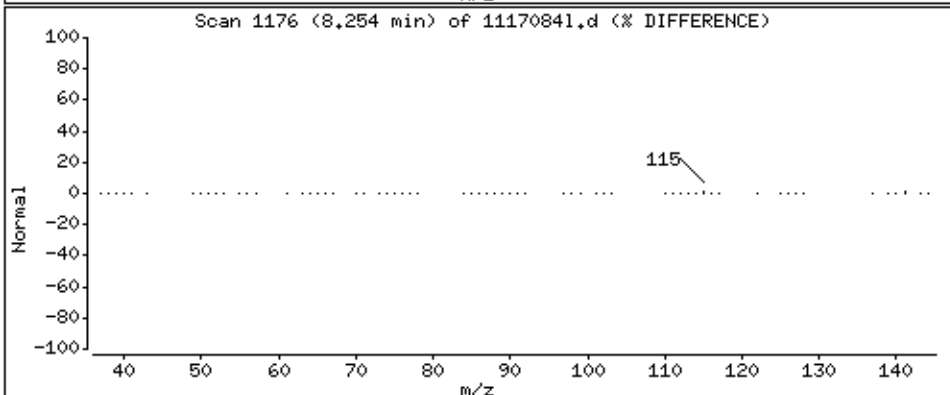
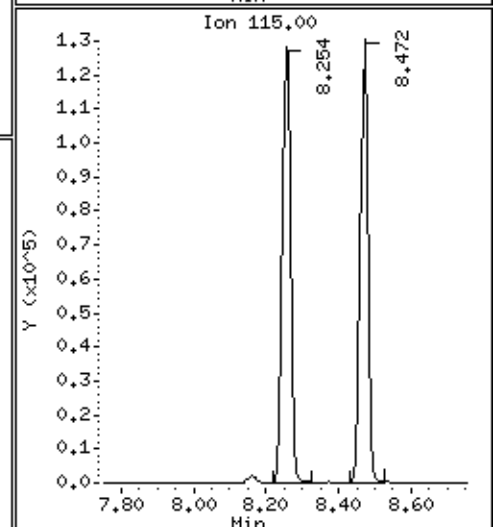
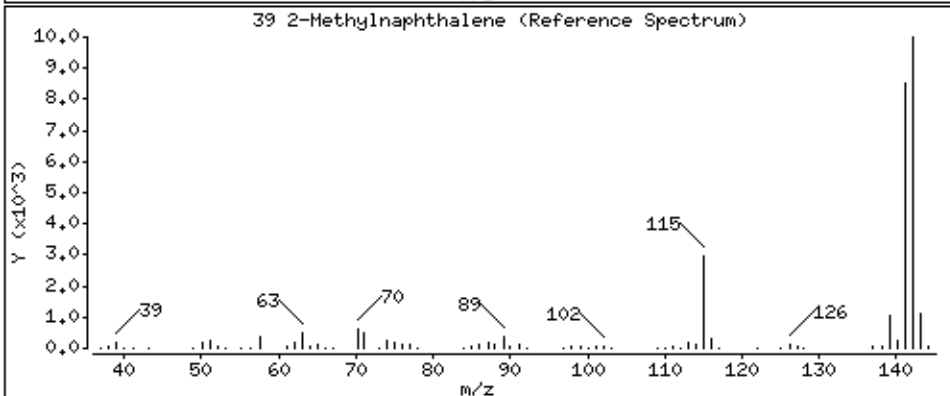
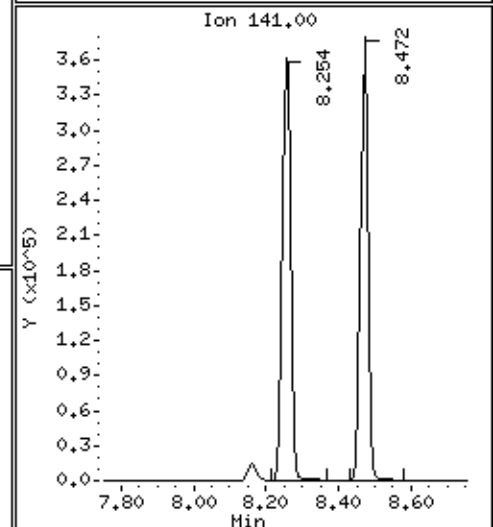
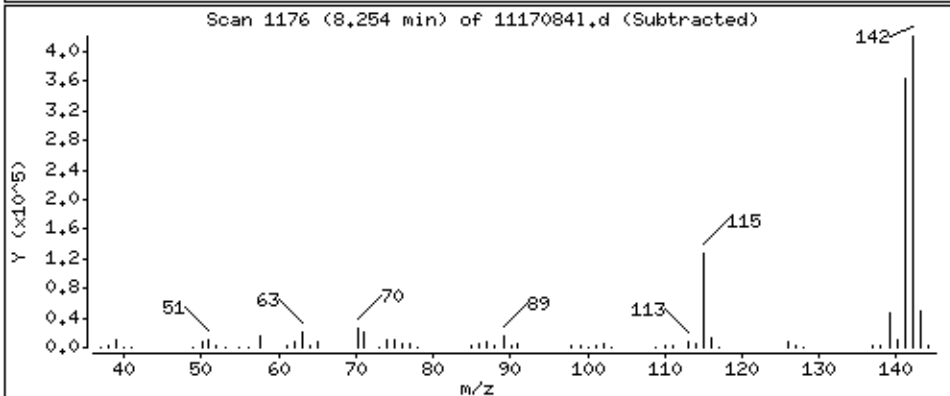
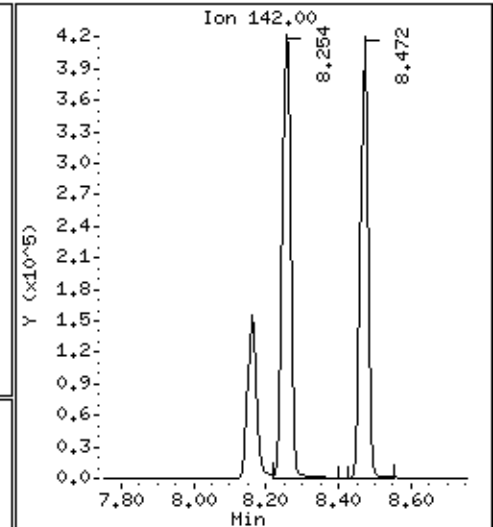
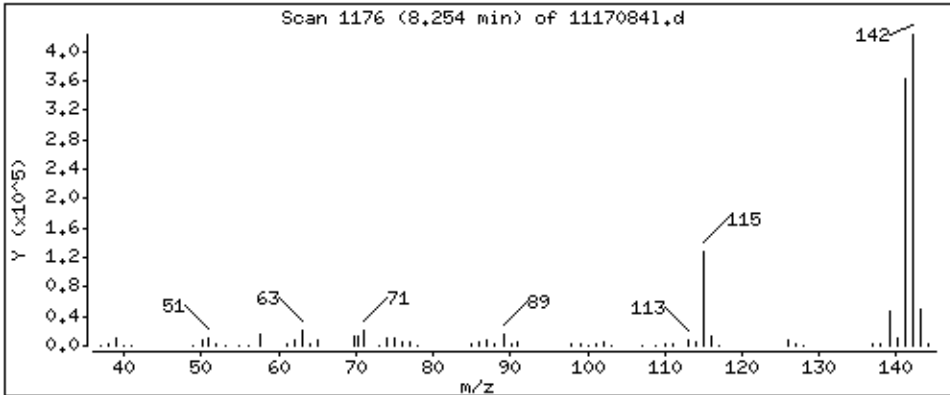
Operator: SN

Column phase: .50um DB-5ms

Column diameter: 0,25

39 2-Methylnaphthalene

Concentration: 2308 ug/Kg



Date : 26-JUN-2014 01:22

Client ID: MBLCS

Instrument: 50MSS2.i

Sample Info: 1117084

Volume Injected (uL): 1.0

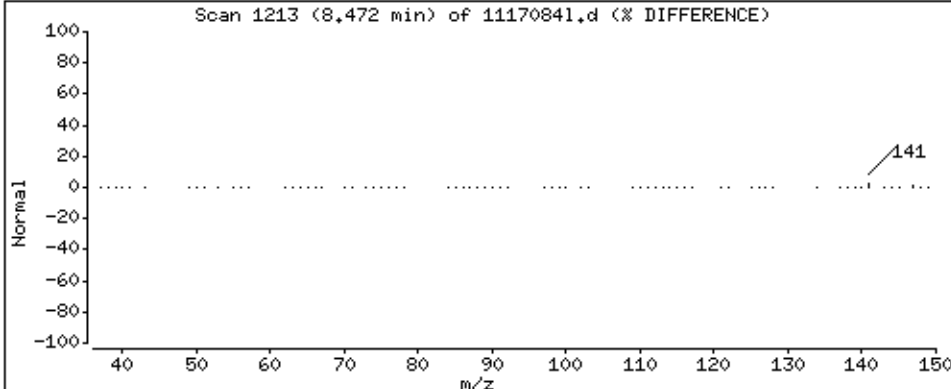
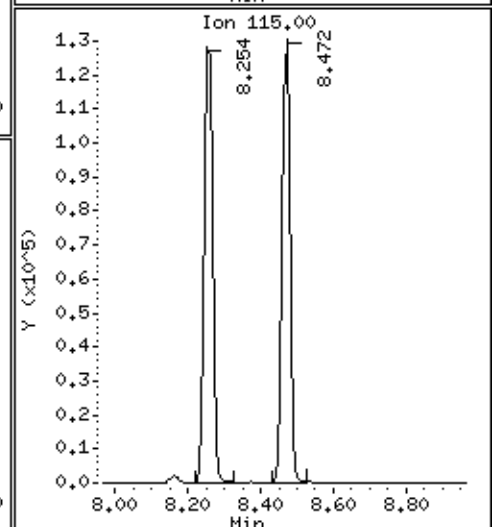
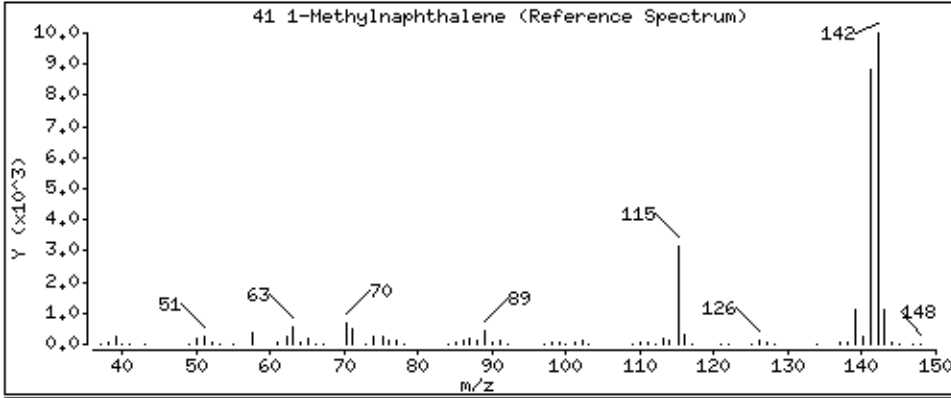
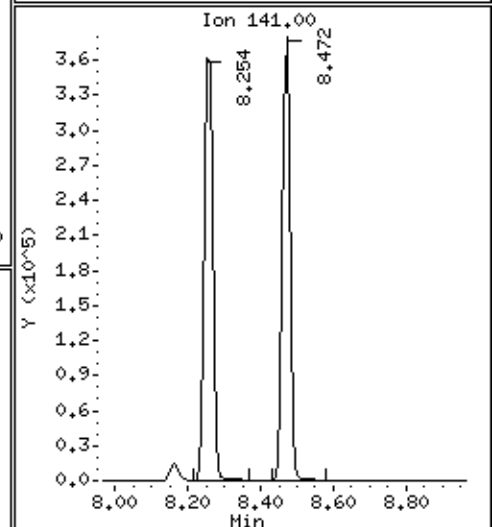
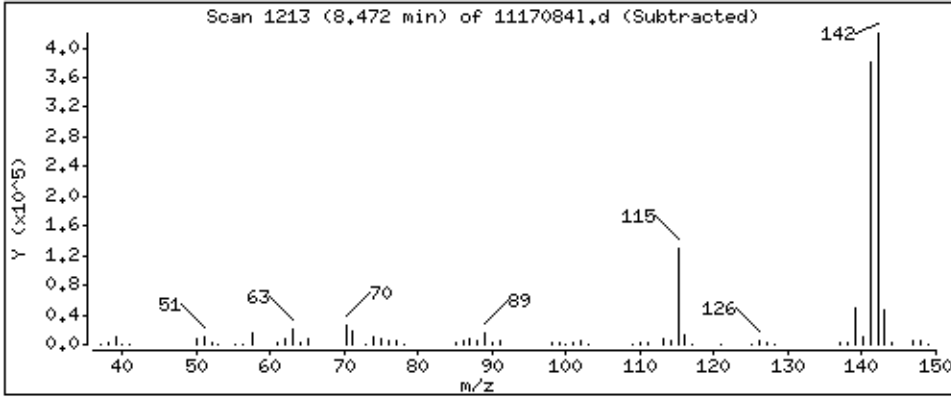
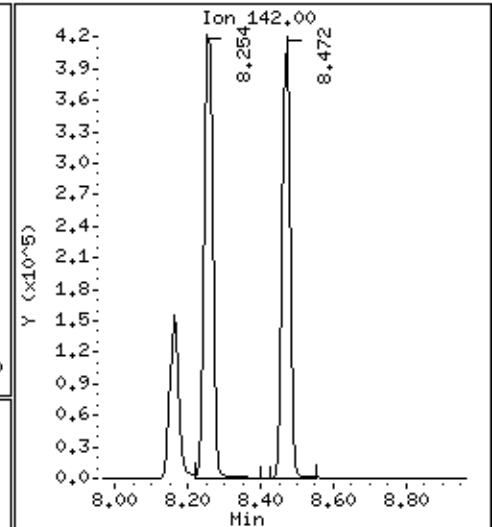
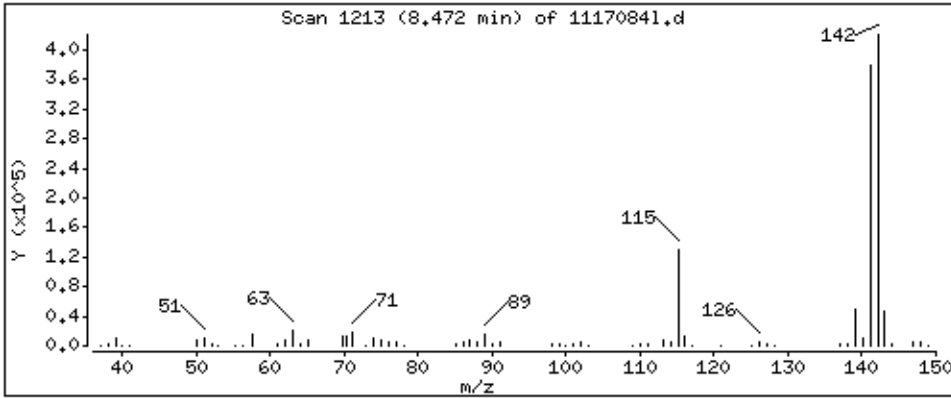
Operator: SN

Column phase: .50um DB-5ms

Column diameter: 0,25

41 1-Methylnaphthalene

Concentration: 2102 ug/Kg



Date : 26-JUN-2014 01:22

Client ID: MBLCS

Instrument: 50MSS2.i

Sample Info: 1117084

Volume Injected (uL): 1.0

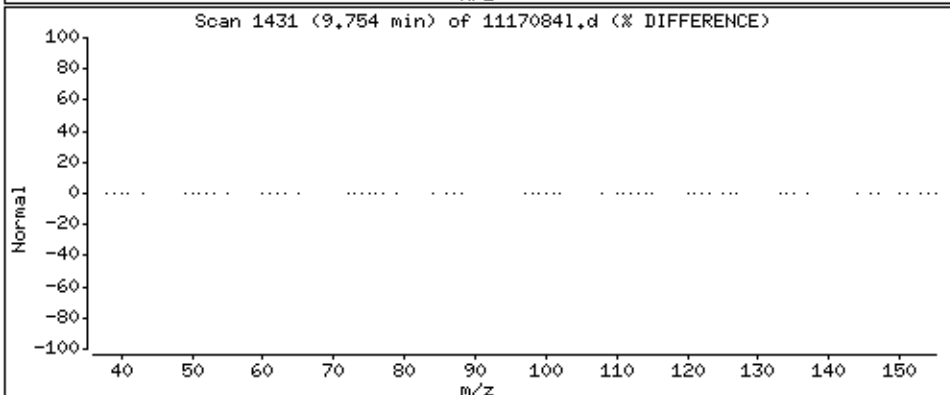
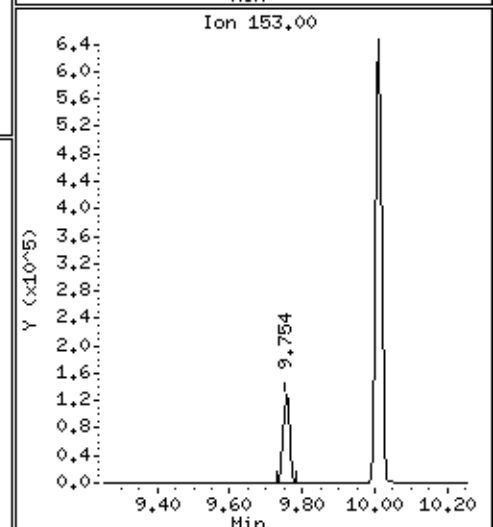
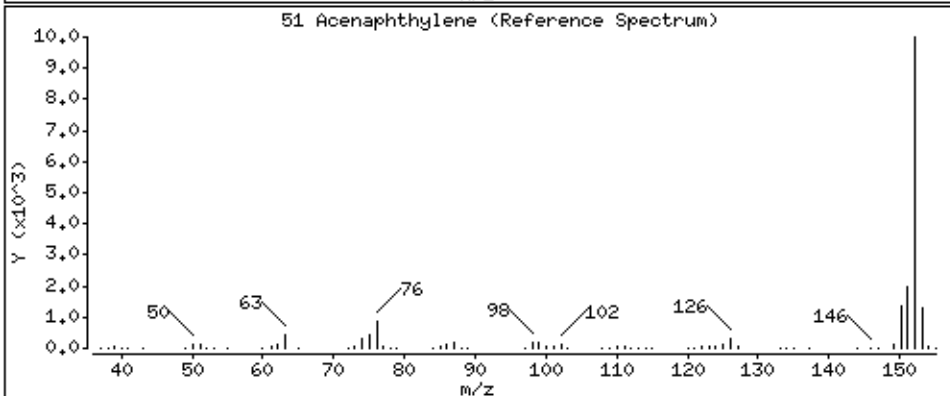
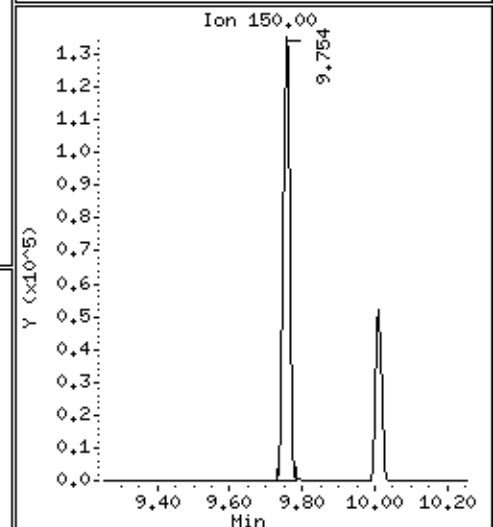
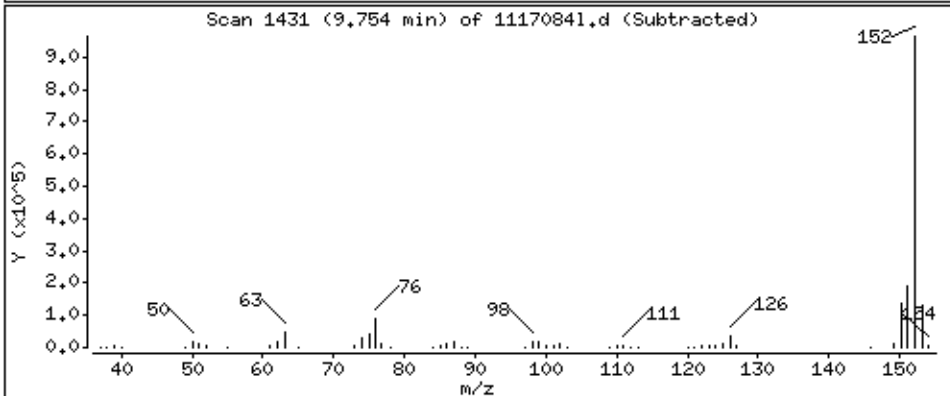
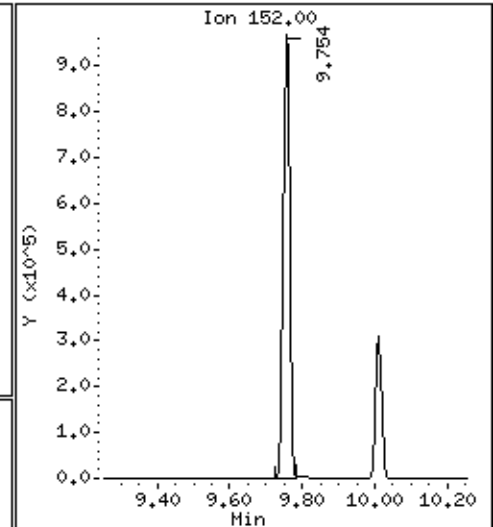
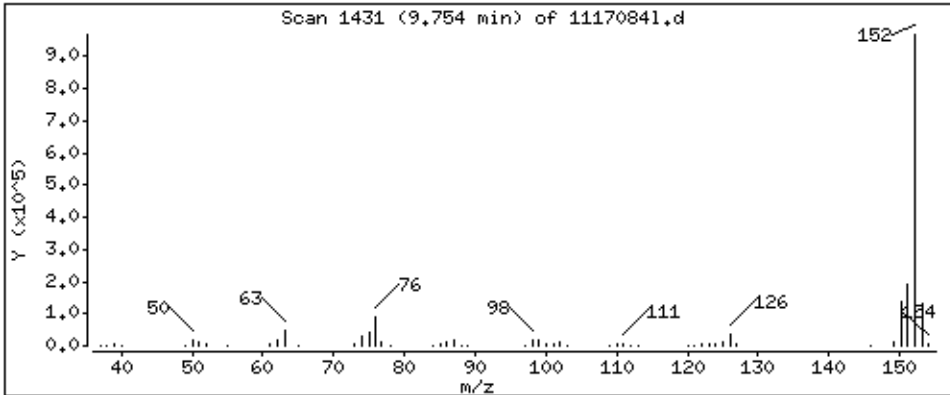
Operator: SN

Column phase: .50um DB-5ms

Column diameter: 0,25

51 Acenaphthylene

Concentration: 2378 ug/Kg



Date : 26-JUN-2014 01:22

Client ID: MBLCS

Instrument: 50MSS2.i

Sample Info: 1117084

Volume Injected (uL): 1.0

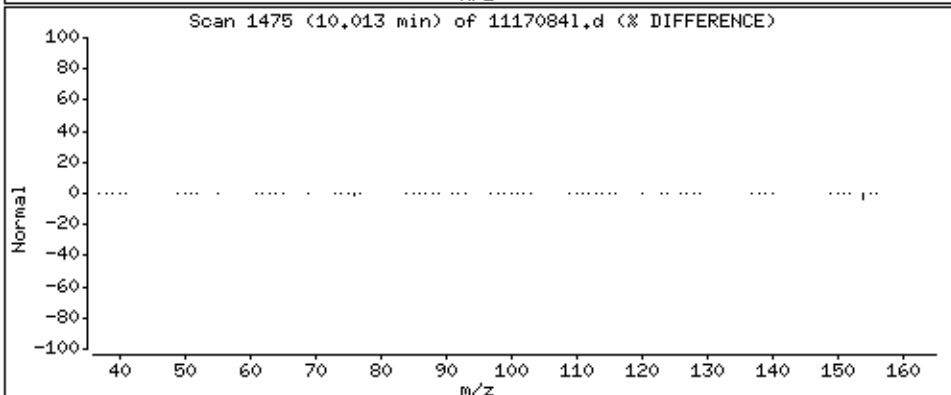
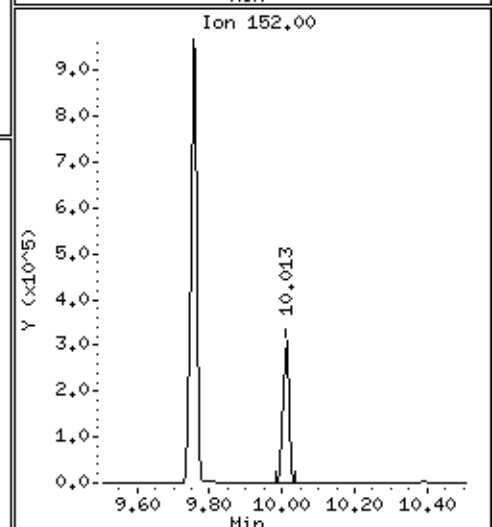
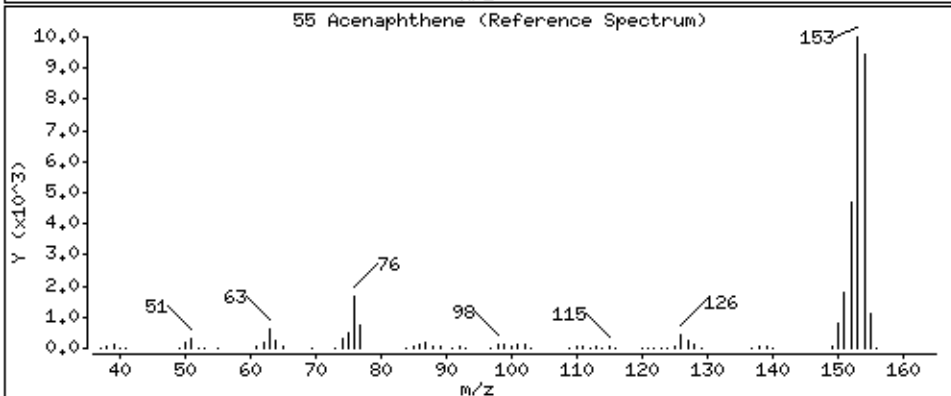
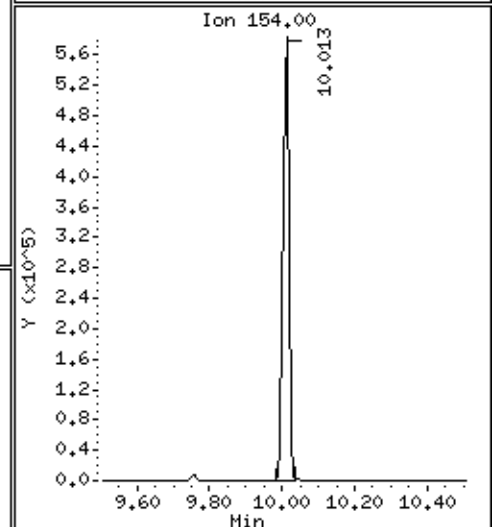
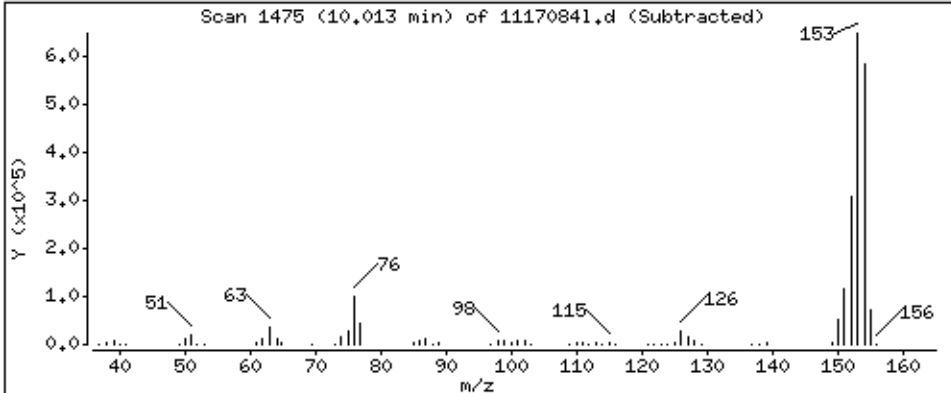
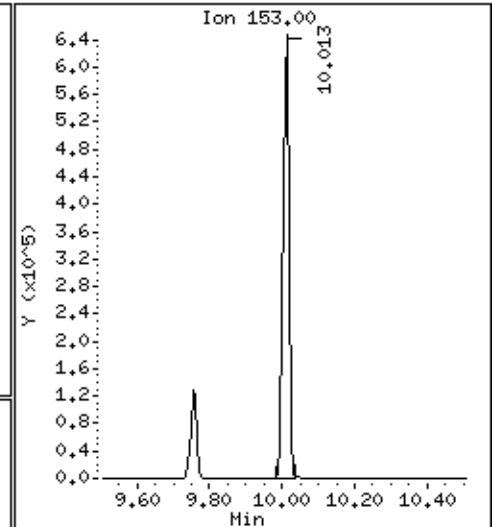
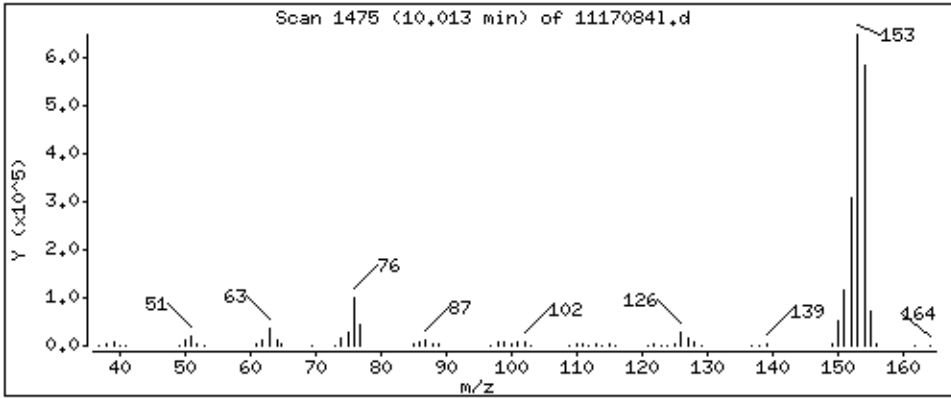
Operator: SN

Column phase: .50um DB-5ms

Column diameter: 0,25

55 Acenaphthene

Concentration: 2384 ug/Kg



Date : 26-JUN-2014 01:22

Client ID: MBLCS

Instrument: 50MSS2.i

Sample Info: 1117084

Volume Injected (uL): 1.0

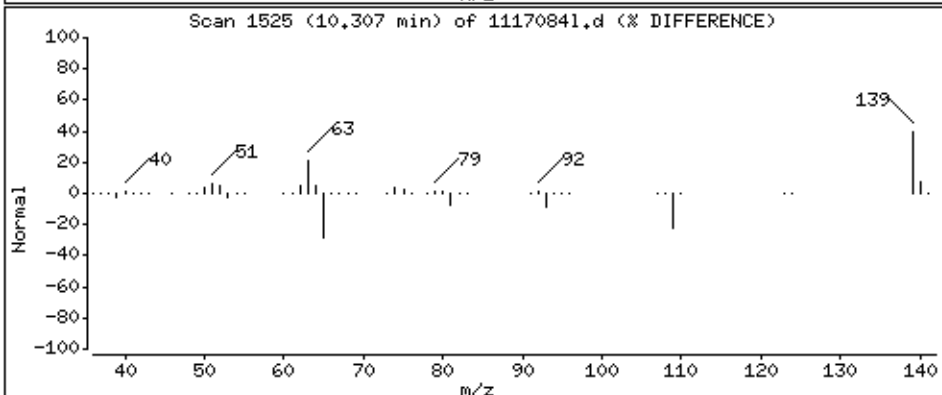
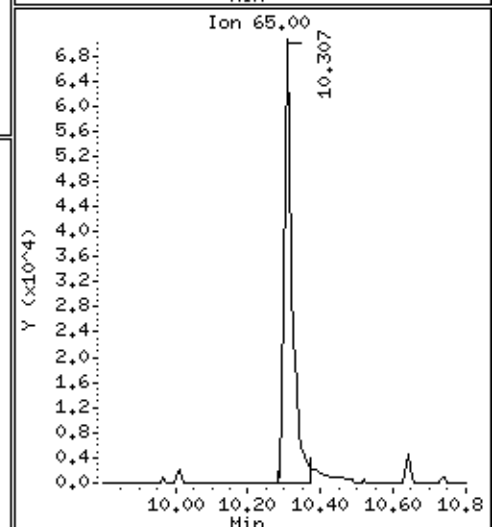
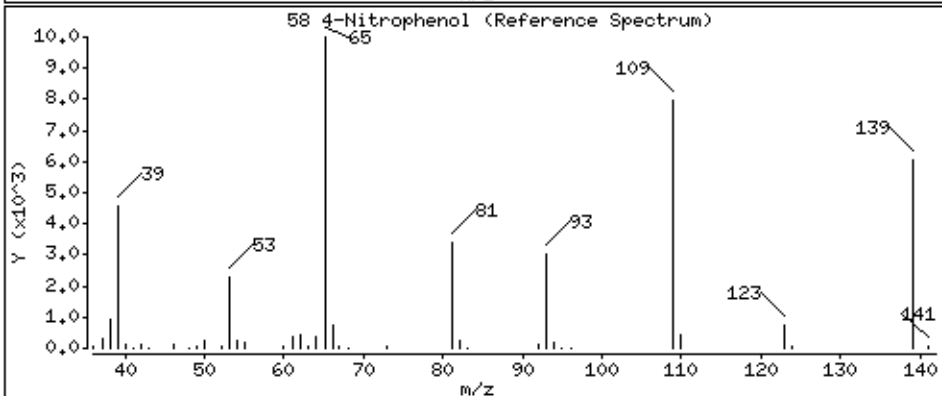
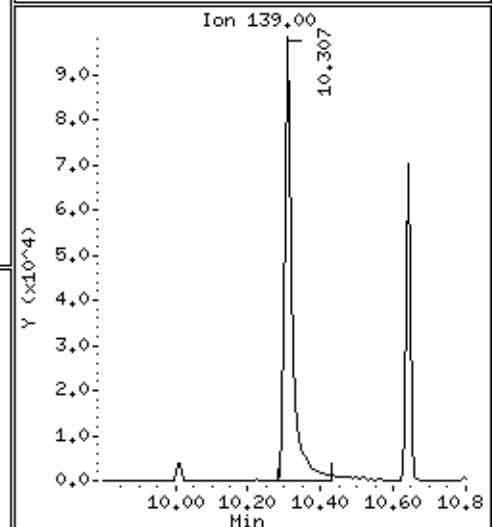
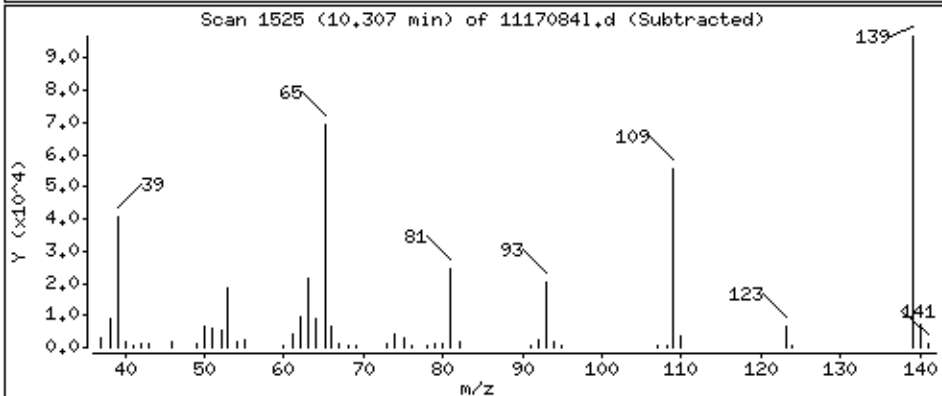
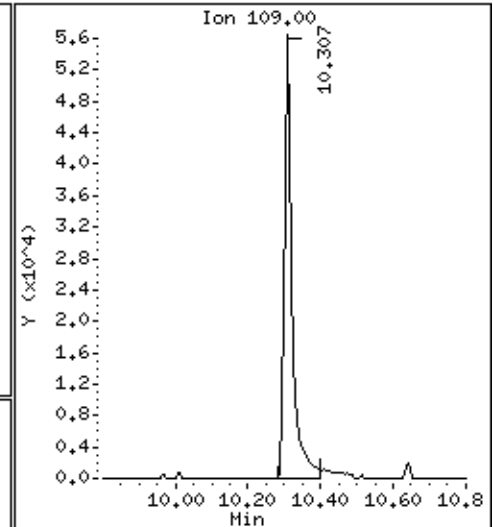
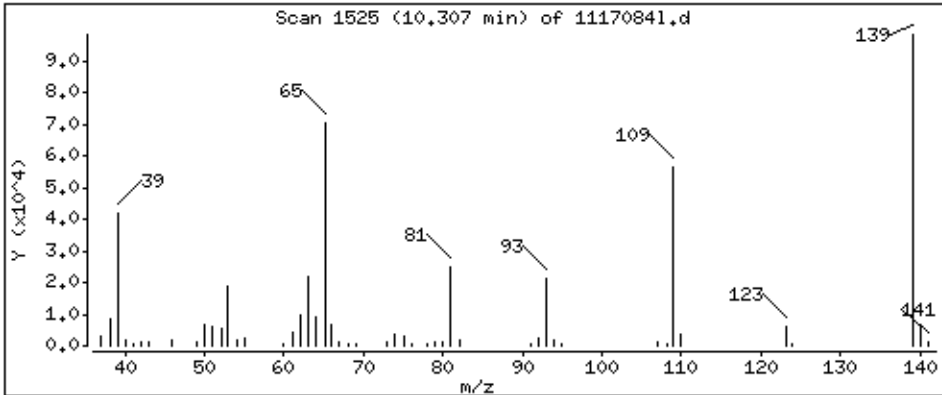
Operator: SN

Column phase: .50um DB-5ms

Column diameter: 0,25

58 4-Nitrophenol

Concentration: 2251 ug/Kg



Date : 26-JUN-2014 01:22

Client ID: MBLCS

Instrument: 50MSS2.i

Sample Info: 1117084

Volume Injected (uL): 1.0

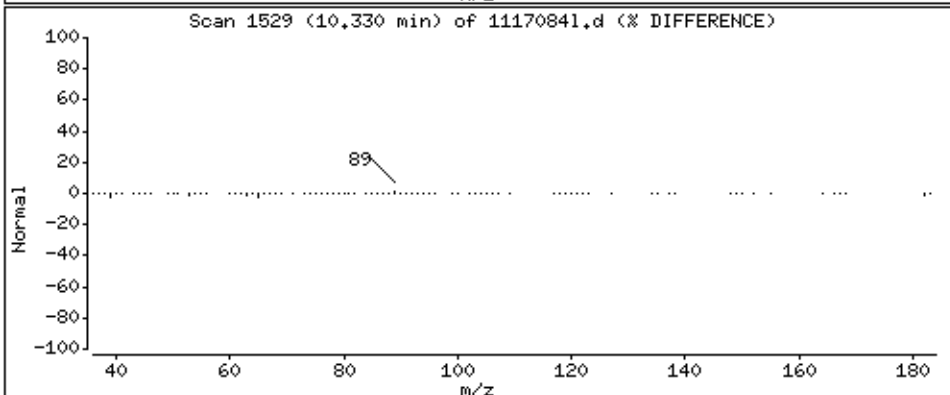
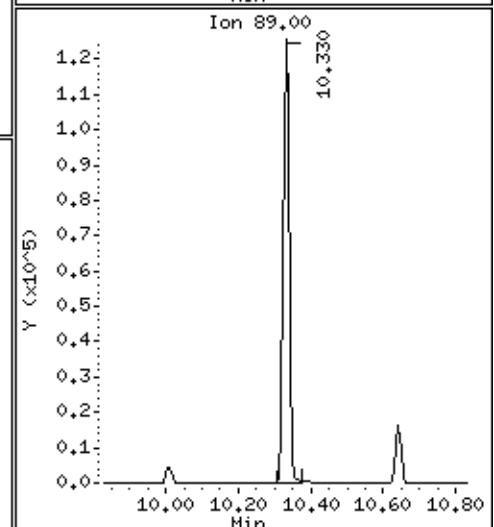
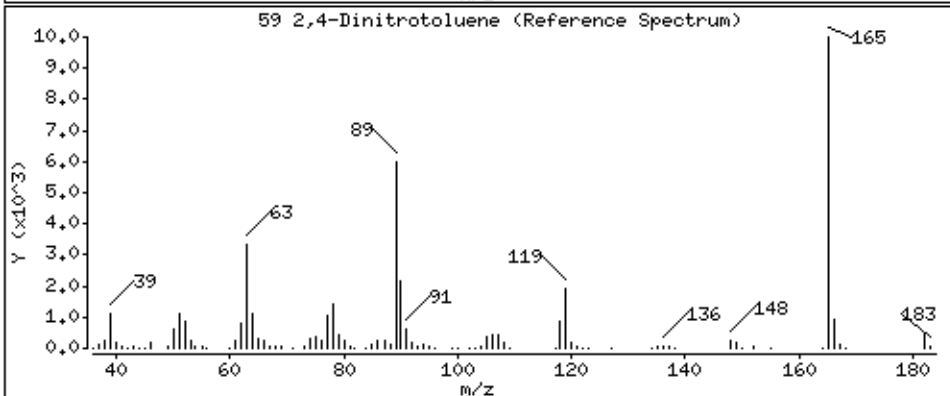
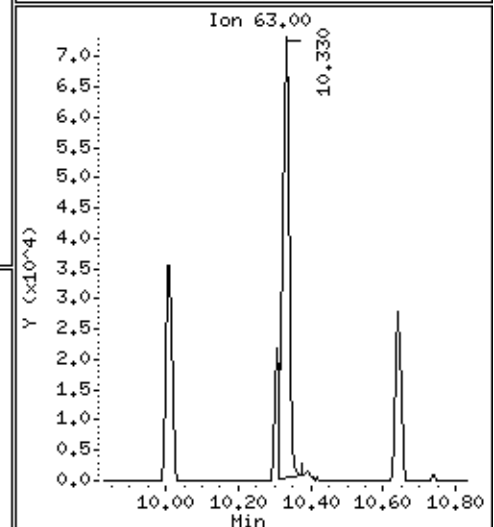
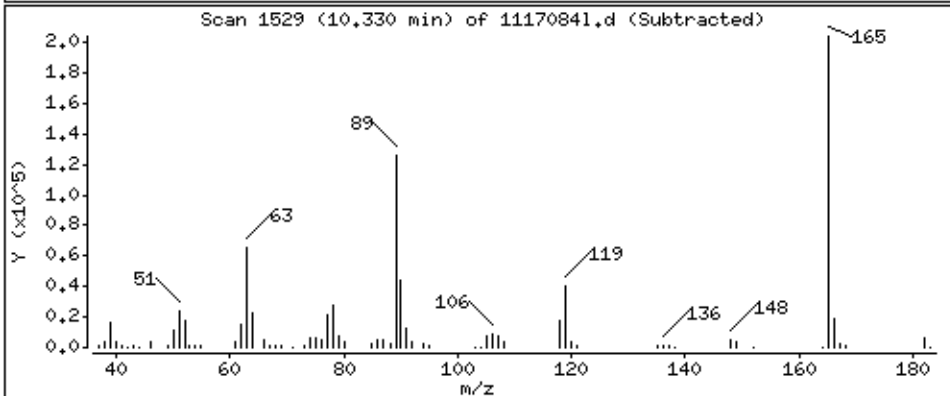
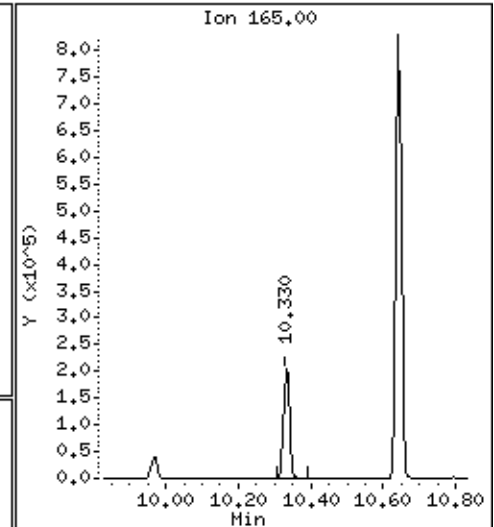
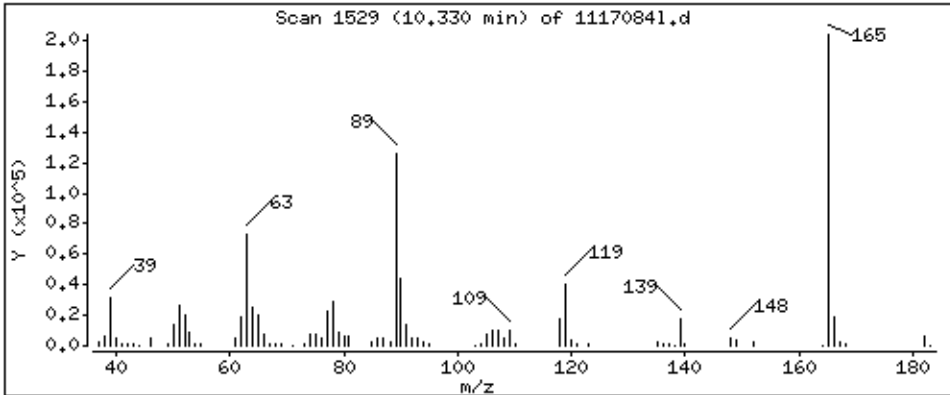
Operator: SN

Column phase: .50um DB-5ms

Column diameter: 0,25

59 2,4-Dinitrotoluene

Concentration: 2324 ug/Kg



Date : 26-JUN-2014 01:22

Client ID: MBLCS

Instrument: 50MSS2.i

Sample Info: 1117084

Volume Injected (uL): 1.0

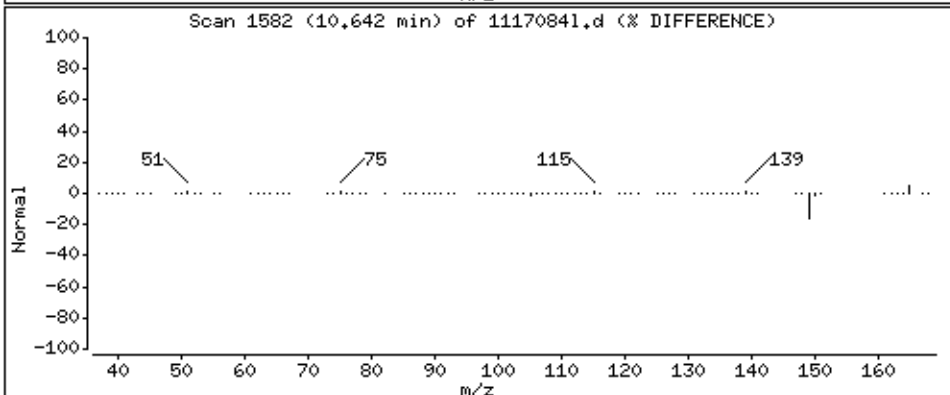
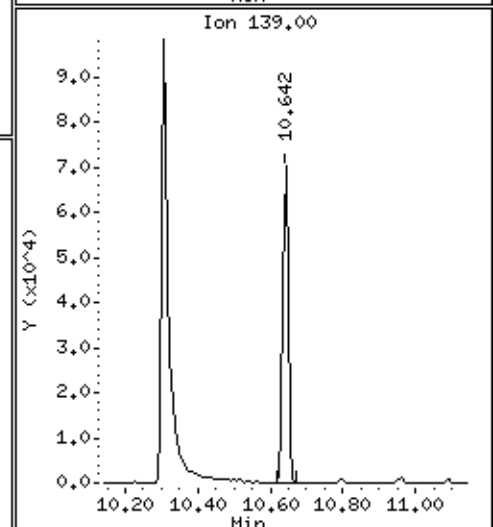
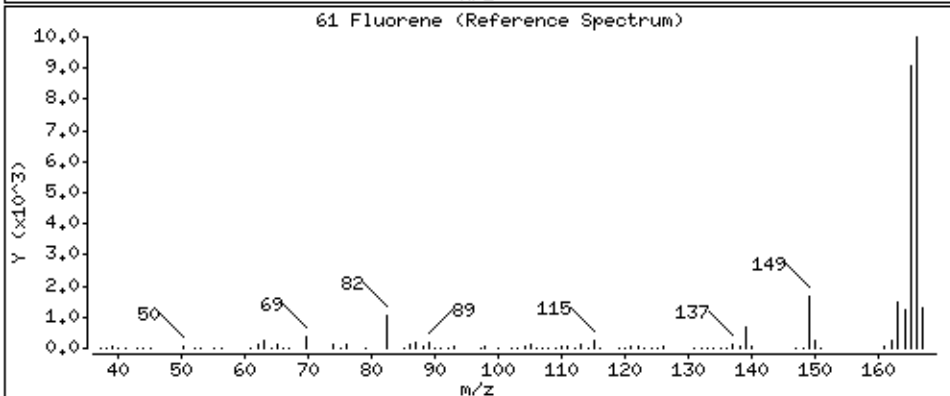
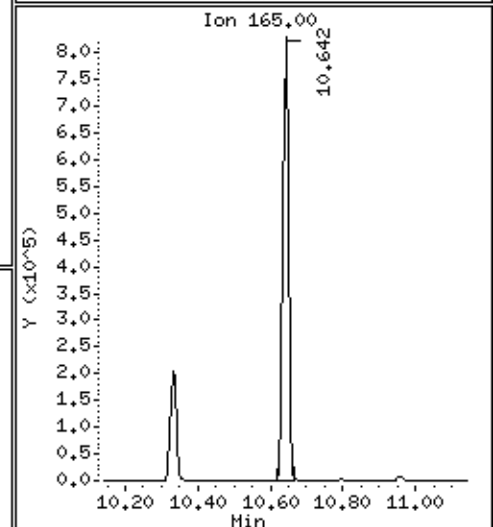
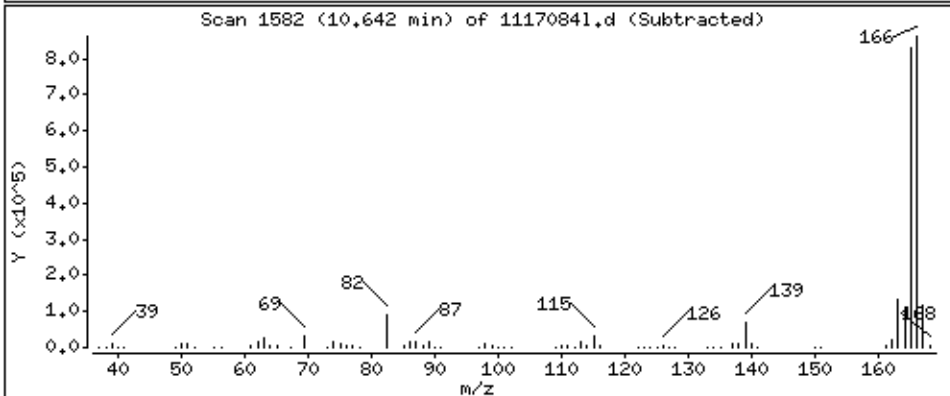
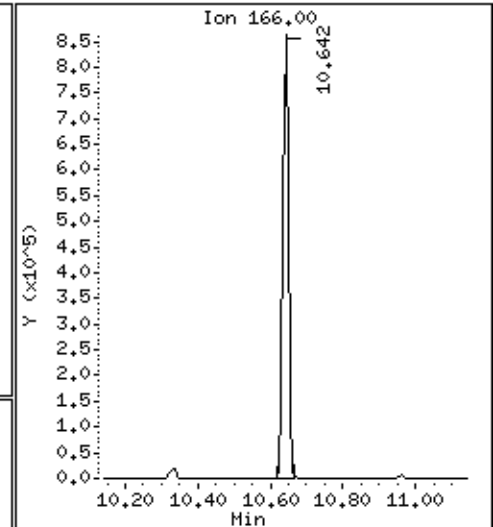
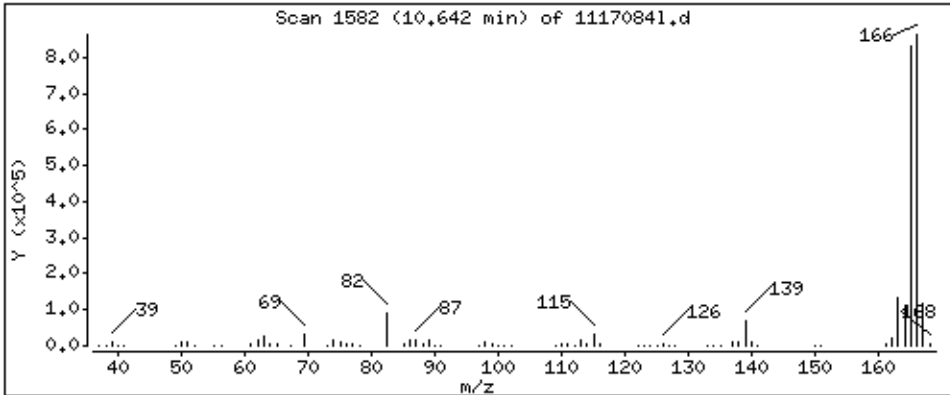
Operator: SN

Column phase: .50um DB-5ms

Column diameter: 0,25

61 Fluorene

Concentration: 2546 ug/Kg



Date : 26-JUN-2014 01:22

Client ID: MBLCS

Instrument: 50MSS2.i

Sample Info: 1117084

Volume Injected (uL): 1.0

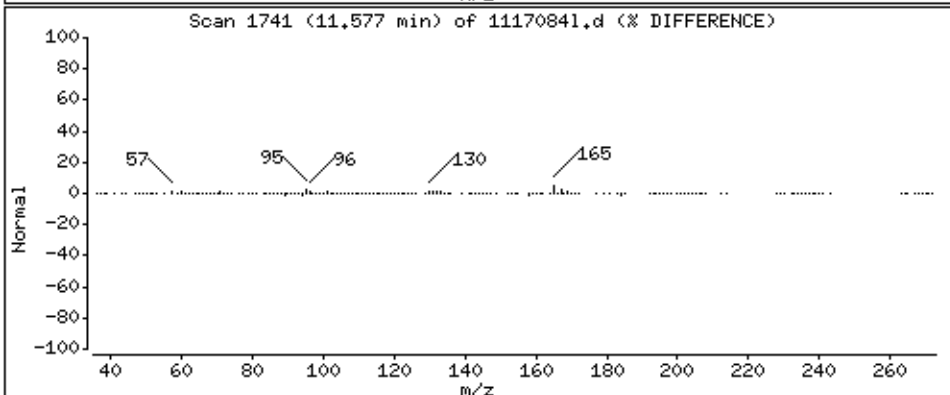
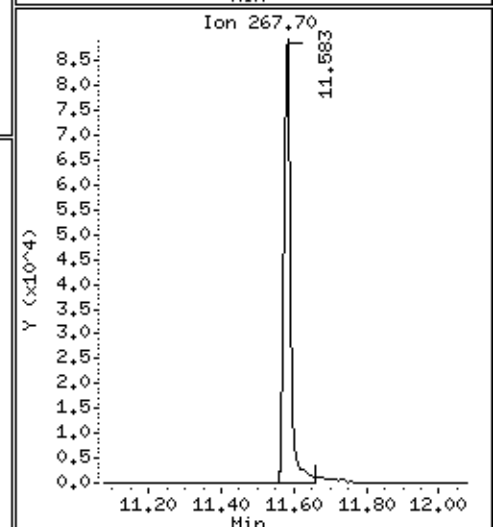
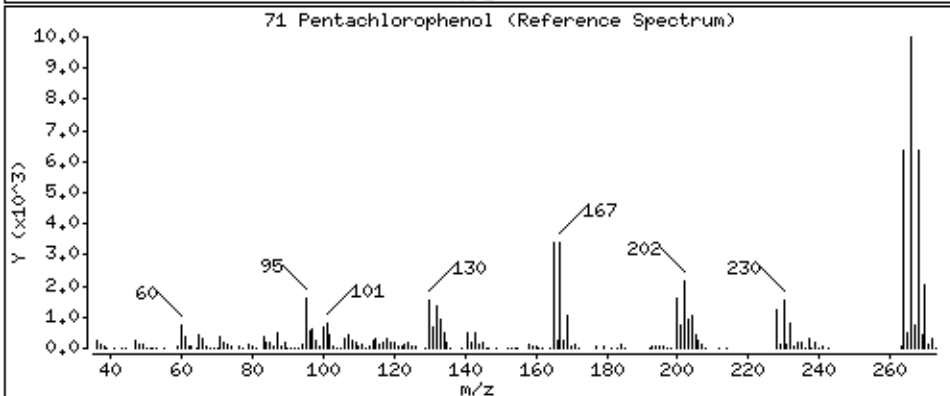
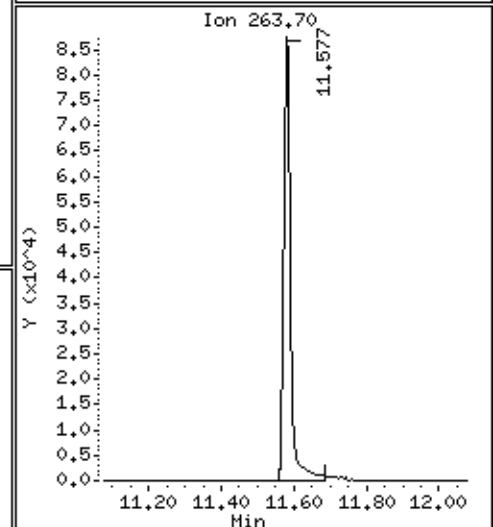
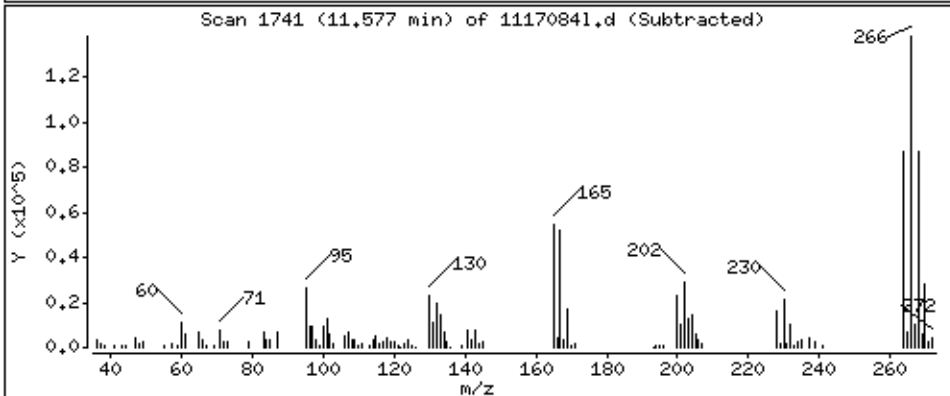
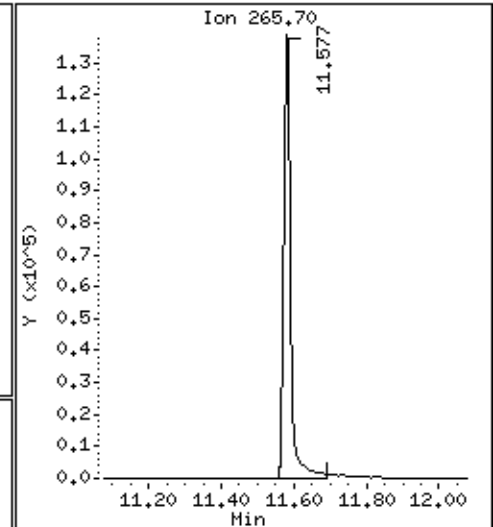
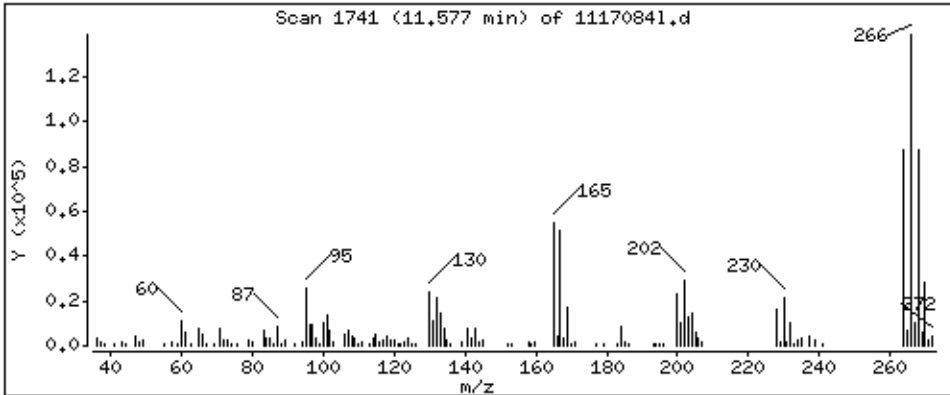
Operator: SN

Column phase: .50um DB-5ms

Column diameter: 0,25

71 Pentachlorophenol

Concentration: 2192 ug/Kg



Date : 26-JUN-2014 01:22

Client ID: MBLCS

Instrument: 50MSS2.i

Sample Info: 1117084

Volume Injected (uL): 1.0

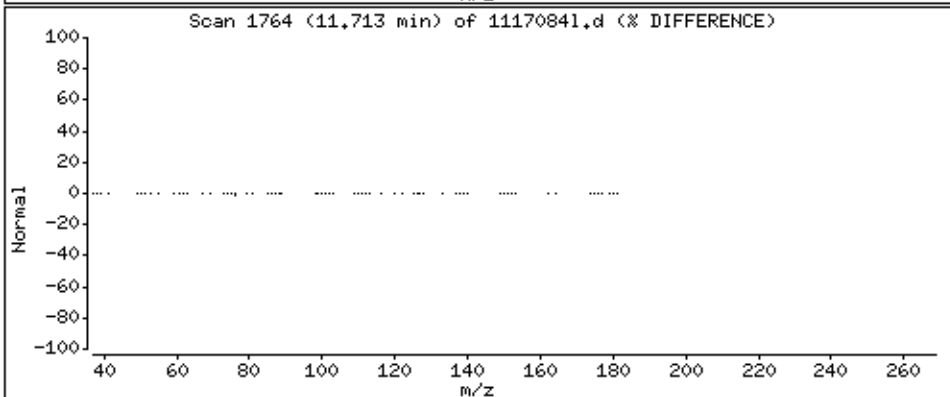
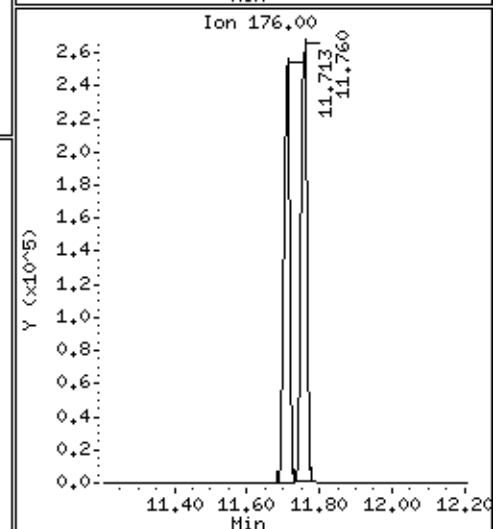
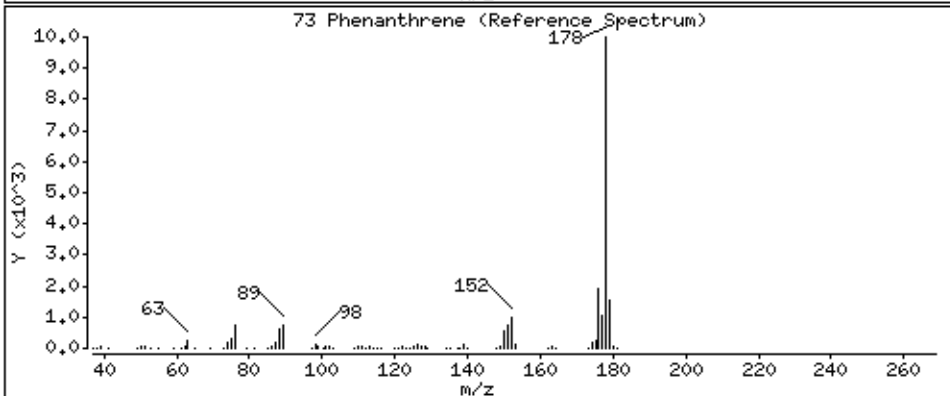
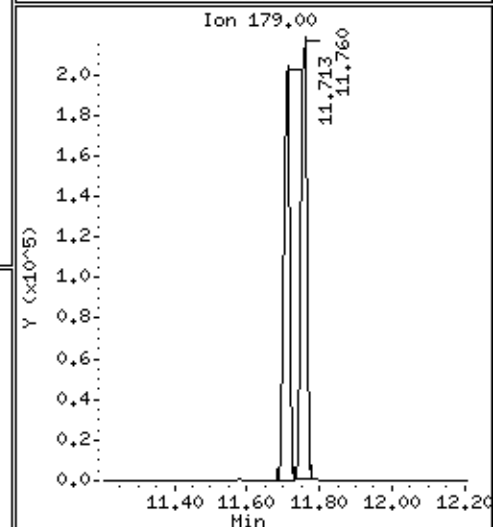
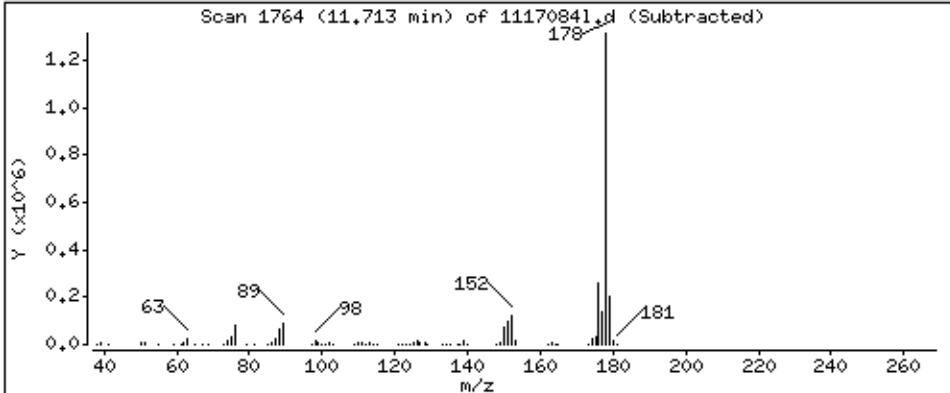
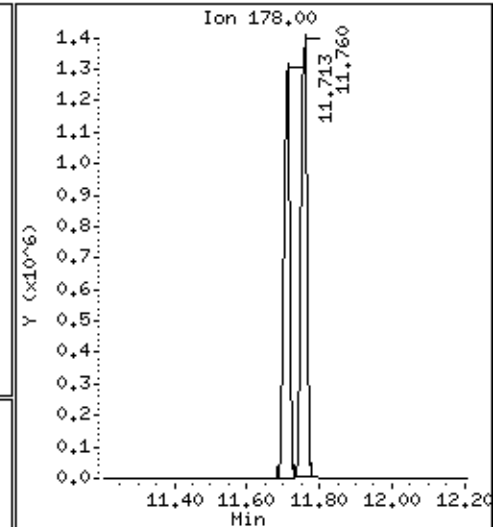
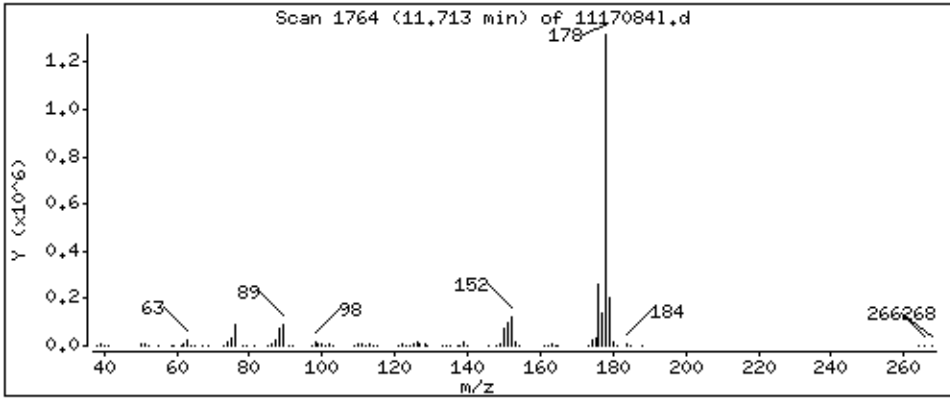
Operator: SN

Column phase: .50um DB-5ms

Column diameter: 0,25

73 Phenanthrene

Concentration: 2558 ug/Kg



Date : 26-JUN-2014 01:22

Client ID: MBLCS

Instrument: 50MSS2.i

Sample Info: 1117084

Volume Injected (uL): 1.0

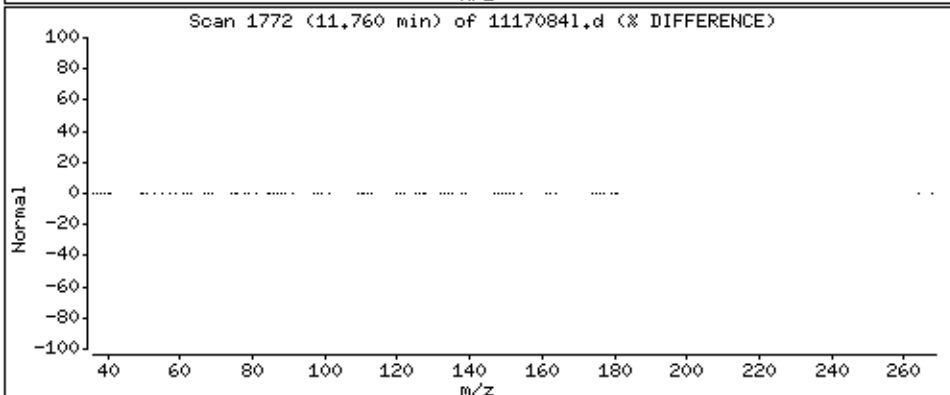
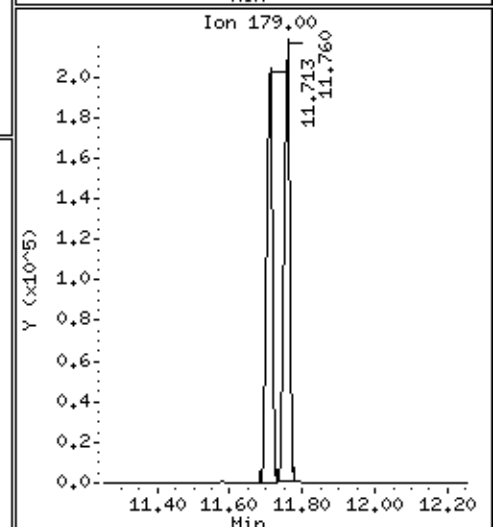
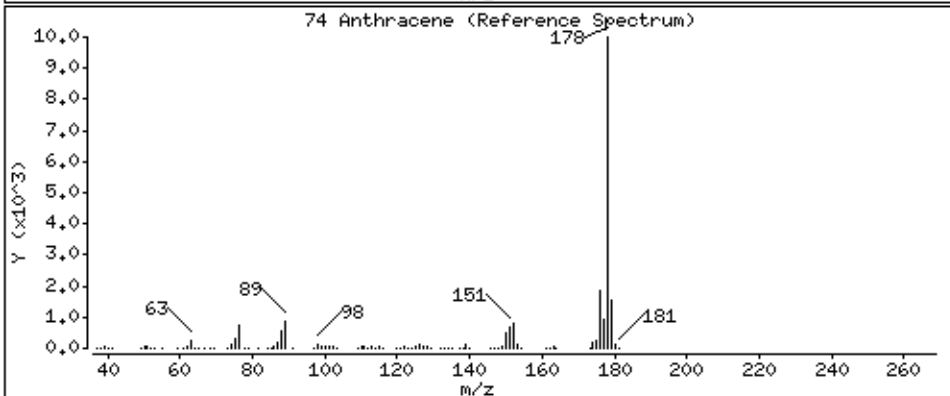
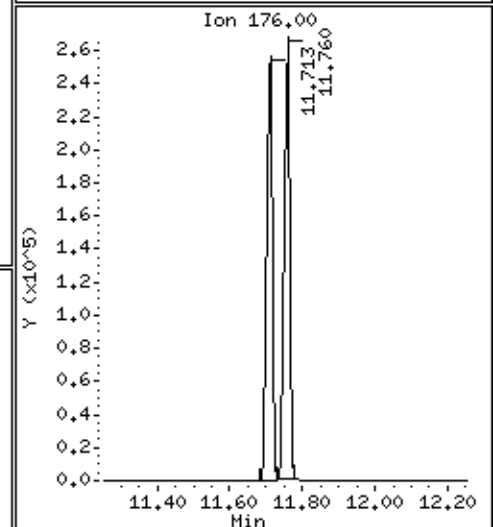
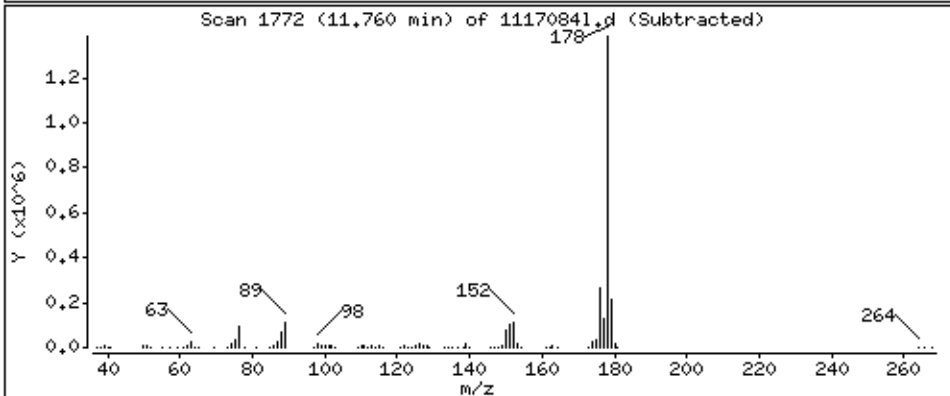
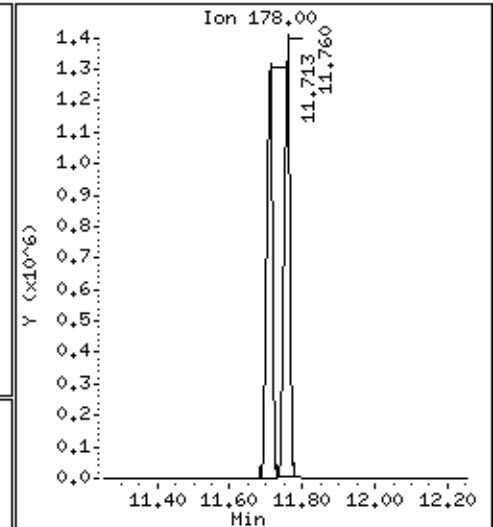
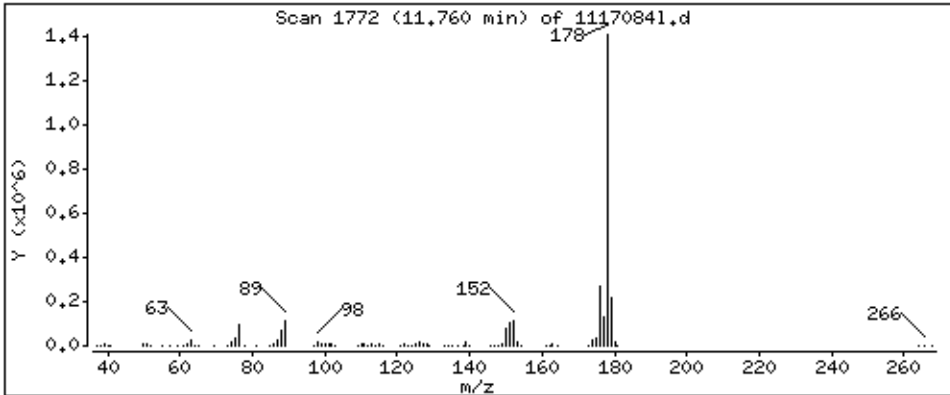
Operator: SN

Column phase: .50um DB-5ms

Column diameter: 0,25

74 Anthracene

Concentration: 2620 ug/Kg



Date : 26-JUN-2014 01:22

Client ID: MBLCS

Instrument: 50MSS2.i

Sample Info: 1117084

Volume Injected (uL): 1.0

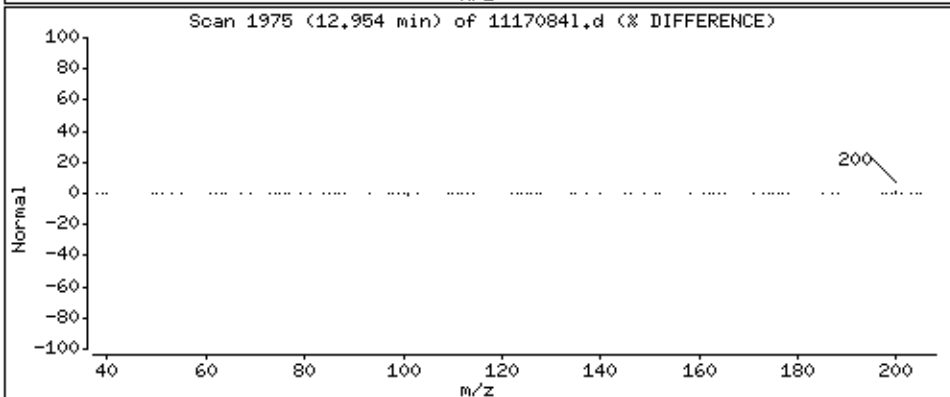
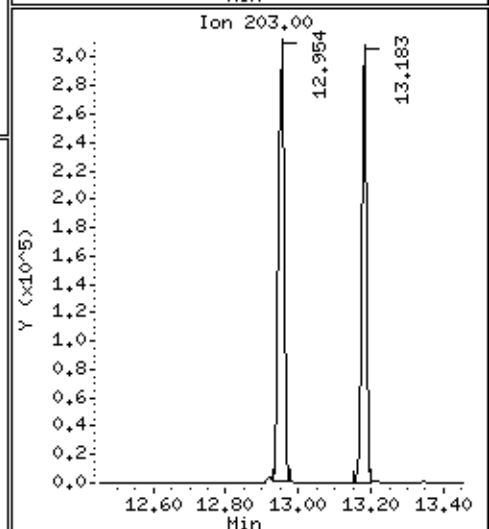
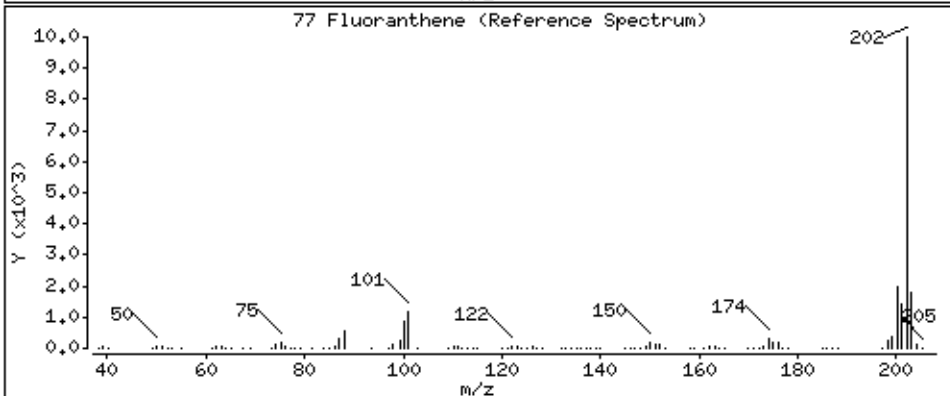
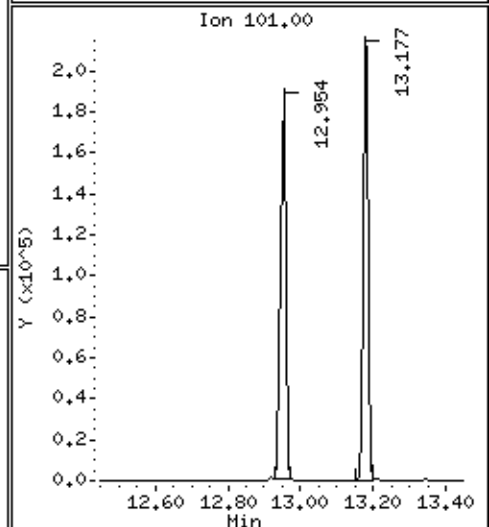
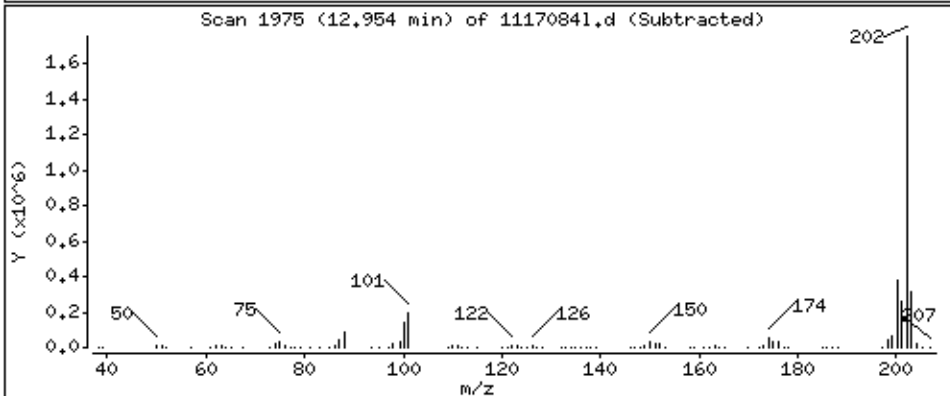
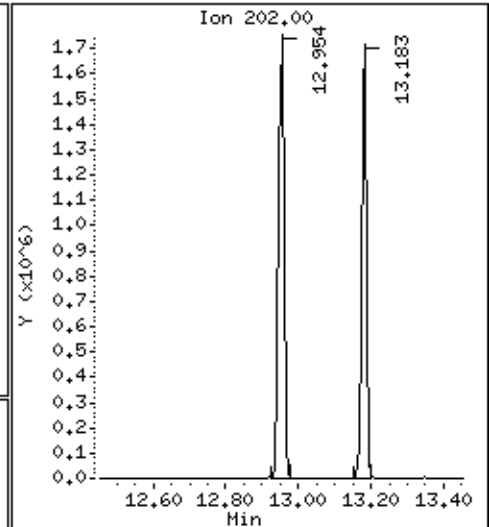
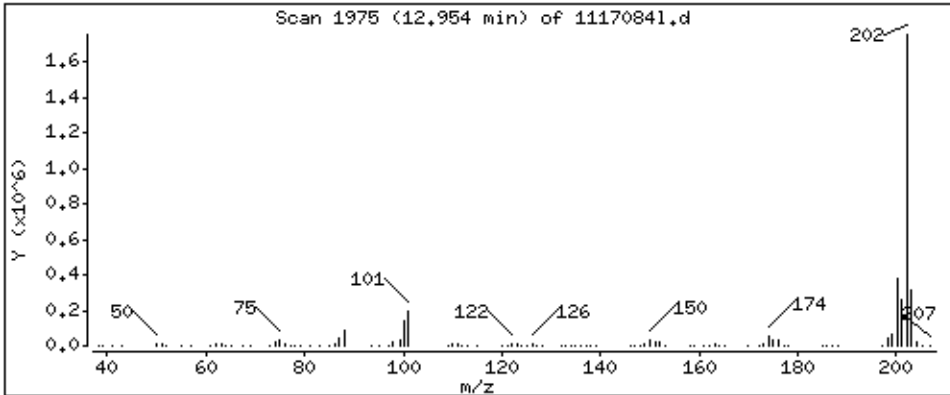
Operator: SN

Column phase: .50um DB-5ms

Column diameter: 0,25

77 Fluoranthene

Concentration: 2783 ug/Kg



Date : 26-JUN-2014 01:22

Client ID: MBLCS

Instrument: 50MSS2.i

Sample Info: 1117084

Volume Injected (uL): 1.0

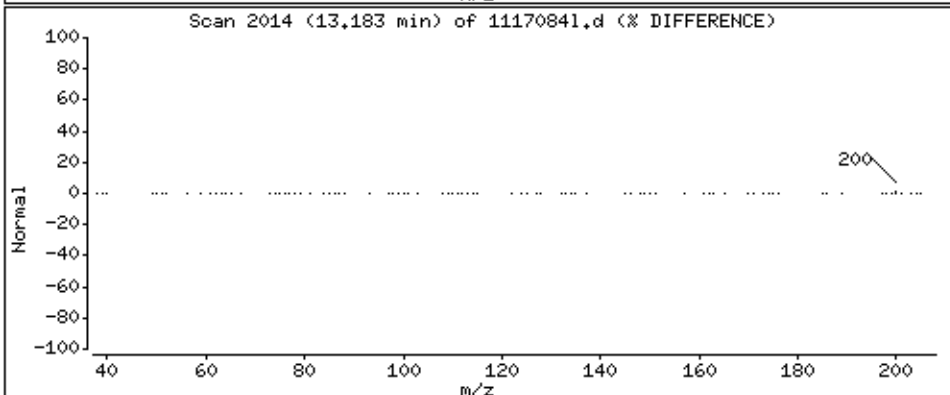
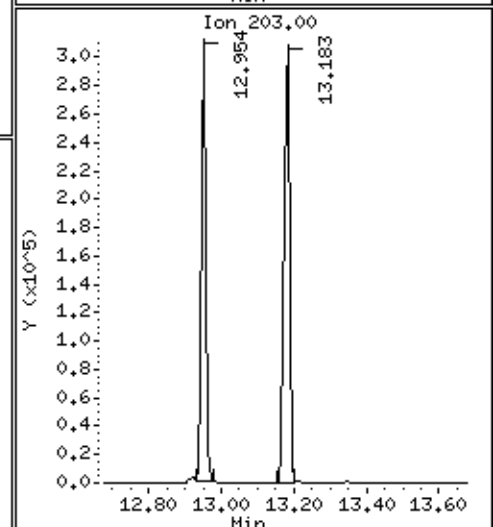
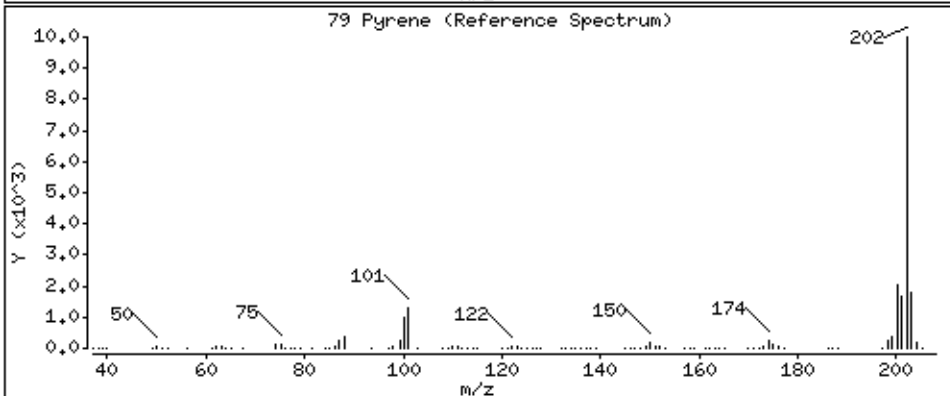
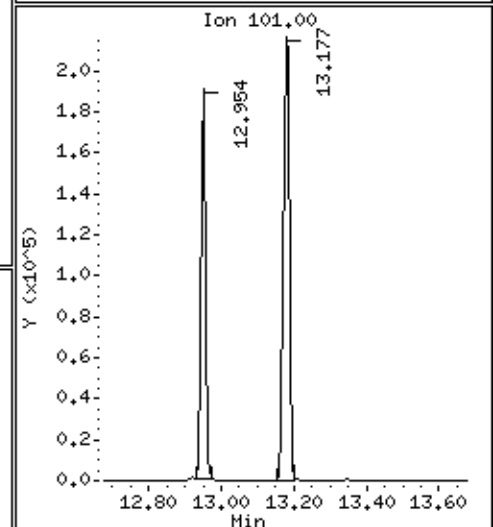
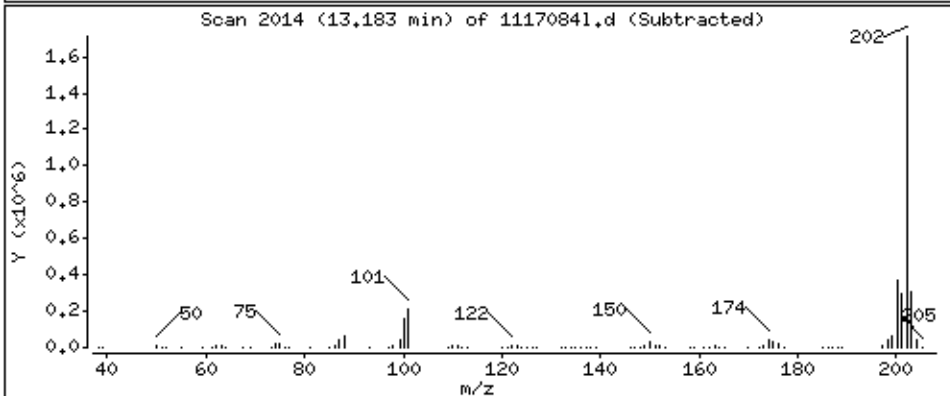
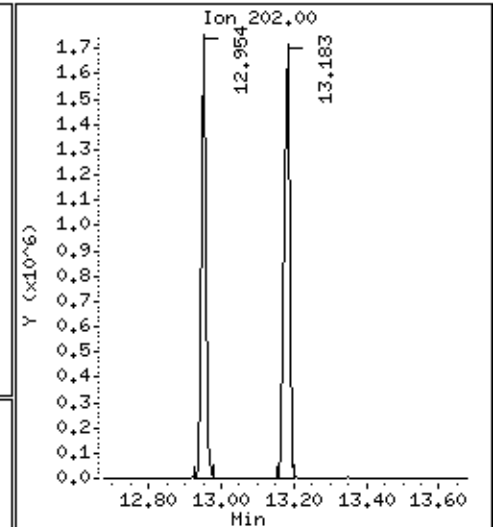
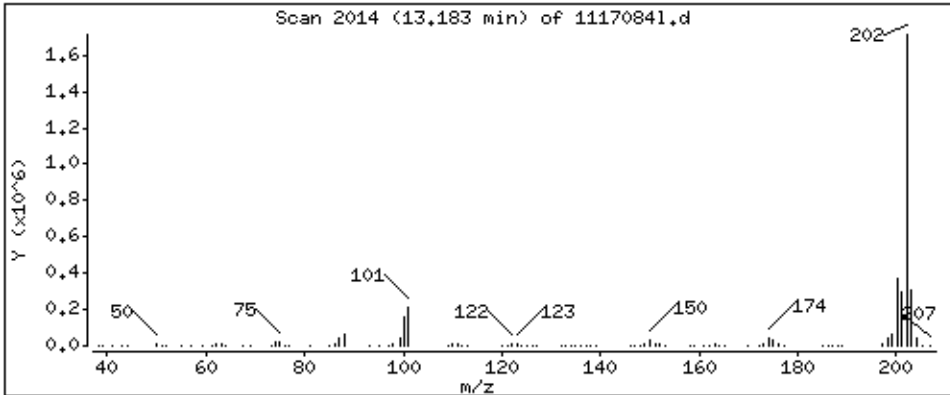
Operator: SN

Column phase: .50um DB-5ms

Column diameter: 0,25

79 Pyrene

Concentration: 2763 ug/Kg



Date : 26-JUN-2014 01:22

Client ID: MBLCS

Instrument: 50MSS2.i

Sample Info: 1117084

Volume Injected (uL): 1.0

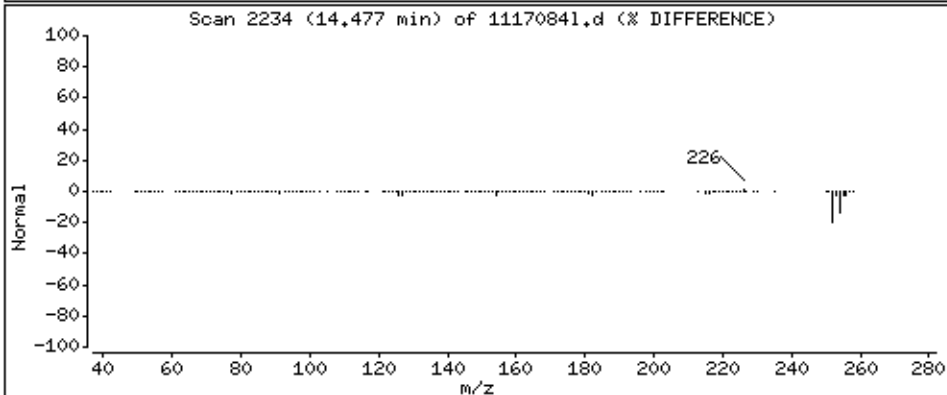
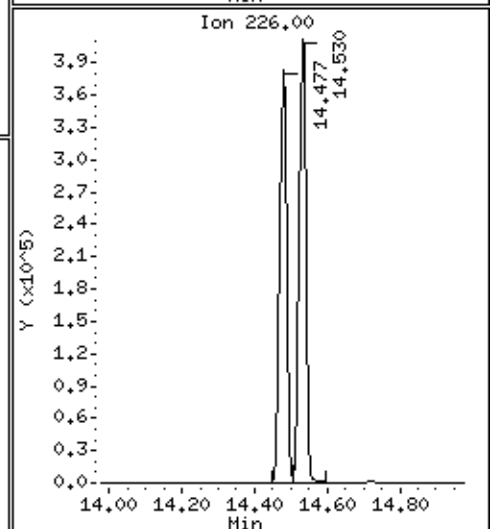
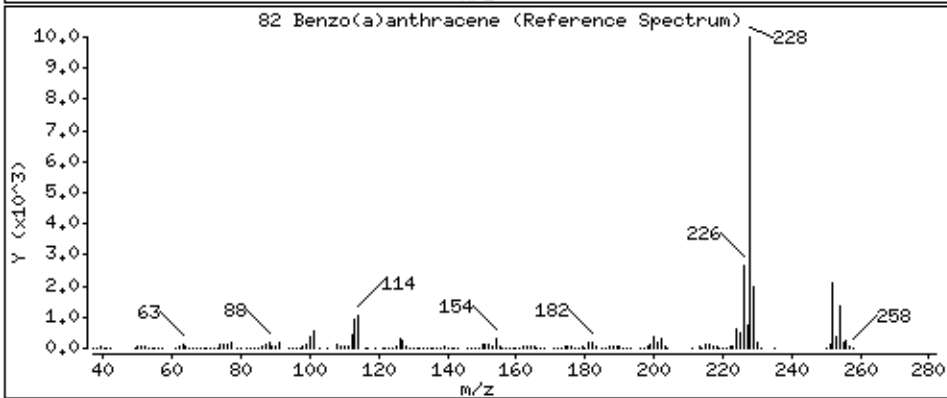
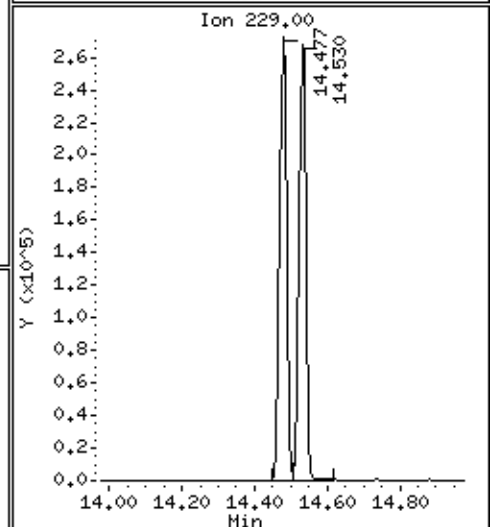
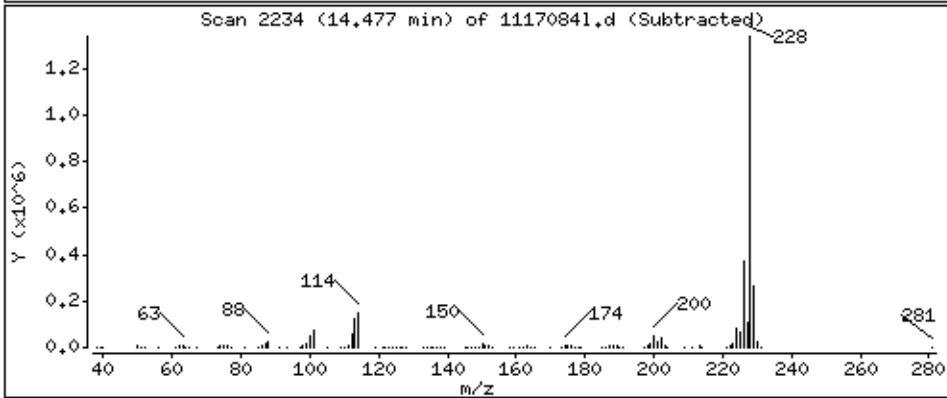
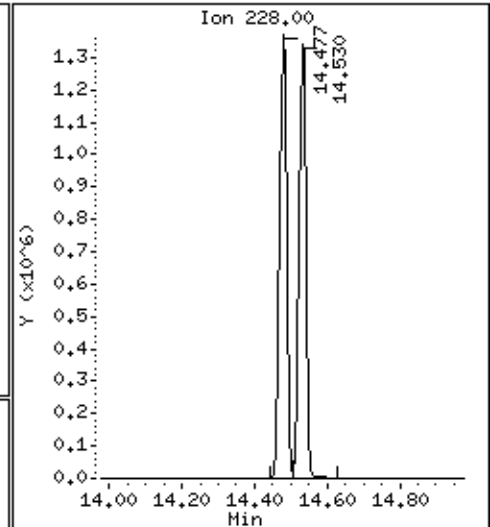
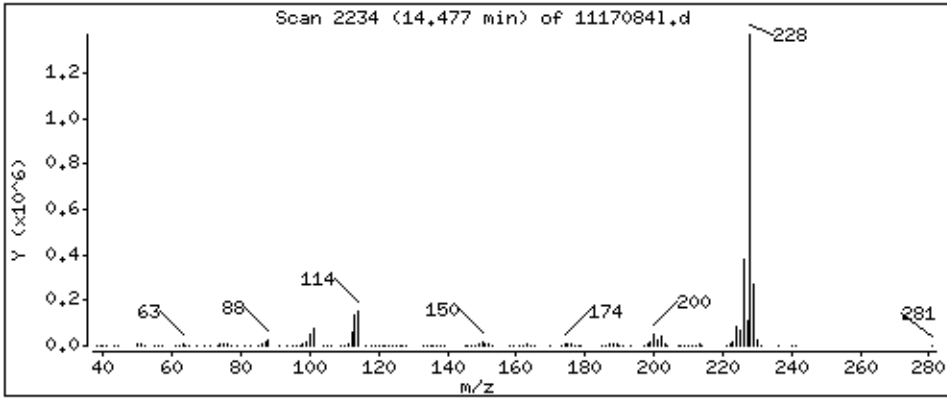
Operator: SN

Column phase: .50um DB-5ms

Column diameter: 0,25

82 Benzo(a)anthracene

Concentration: 2659 ug/Kg



Date : 26-JUN-2014 01:22

Client ID: MBLCS

Instrument: 50MSS2.i

Sample Info: 1117084

Volume Injected (uL): 1.0

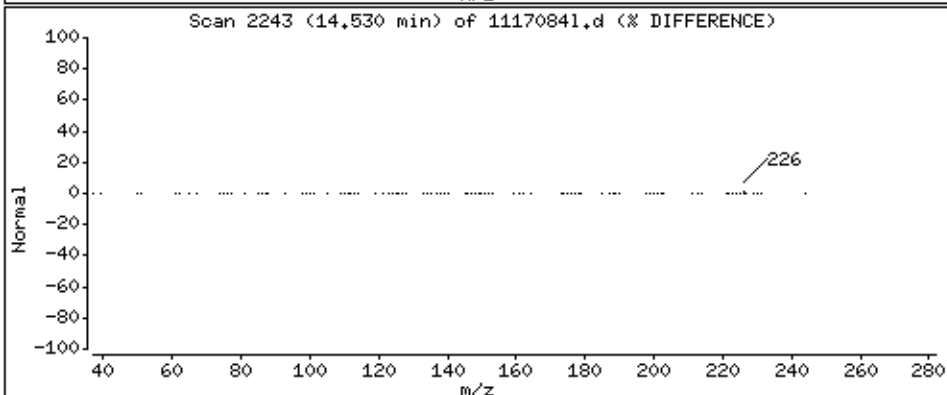
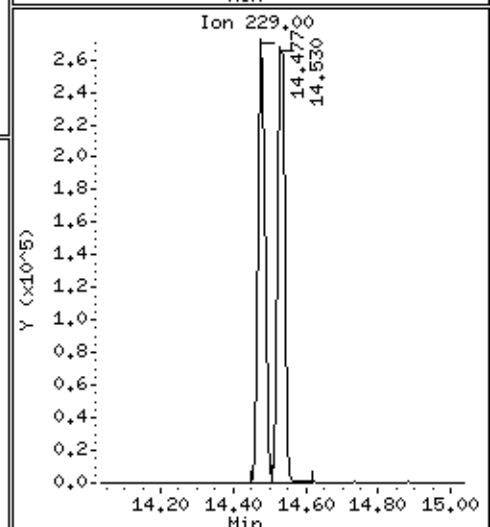
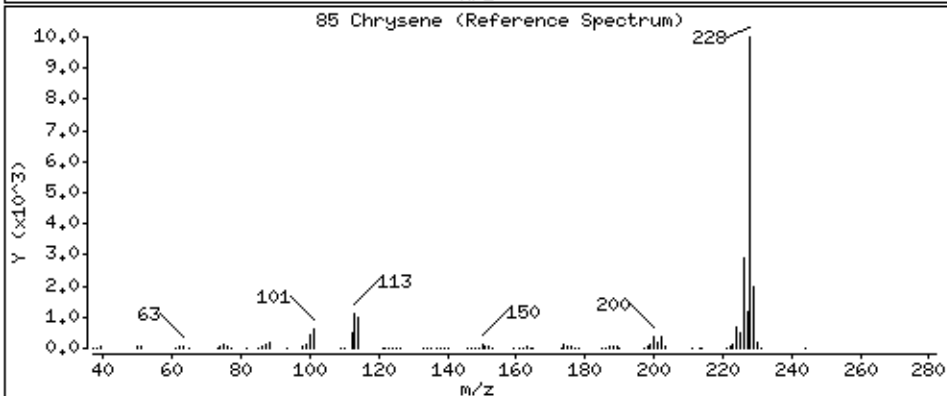
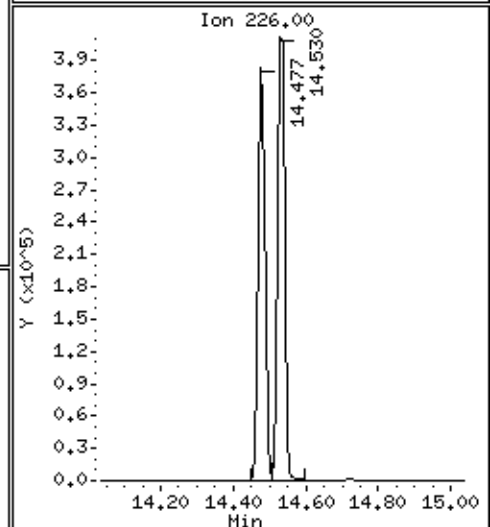
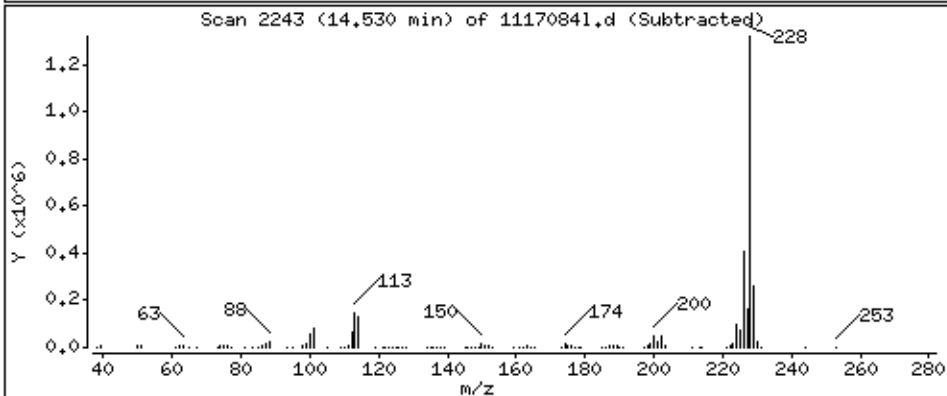
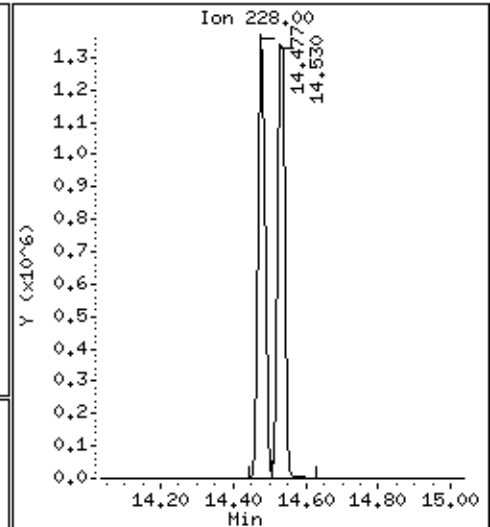
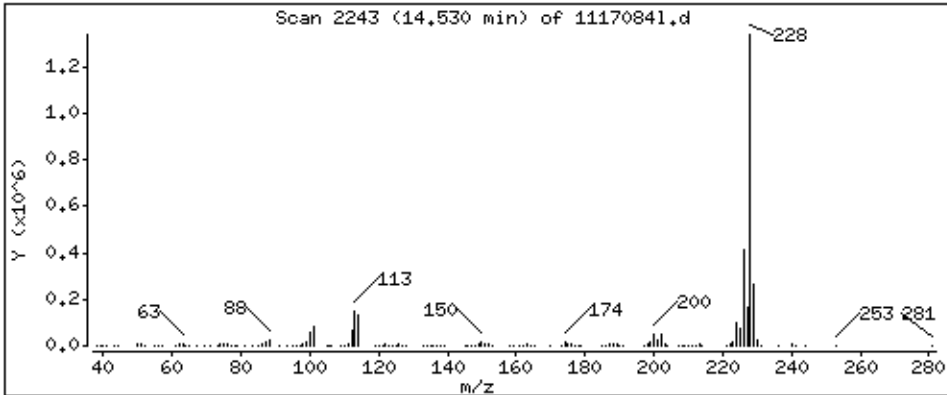
Operator: SN

Column phase: .50um DB-5ms

Column diameter: 0,25

85 Chrysene

Concentration: 2711 ug/Kg



Date : 26-JUN-2014 01:22

Client ID: MBLCS

Instrument: 50MSS2.i

Sample Info: 1117084

Volume Injected (uL): 1.0

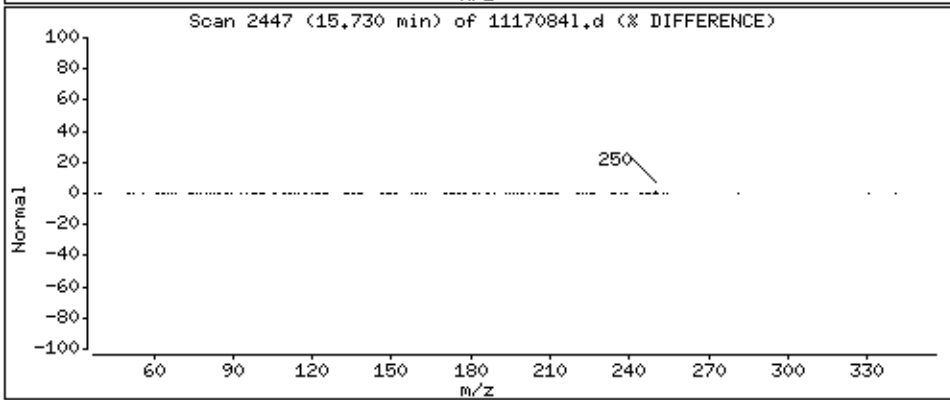
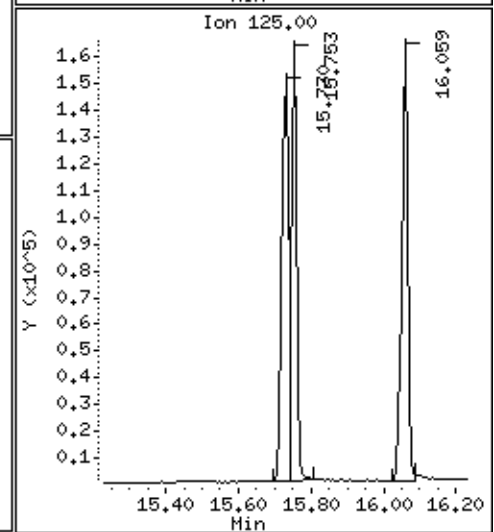
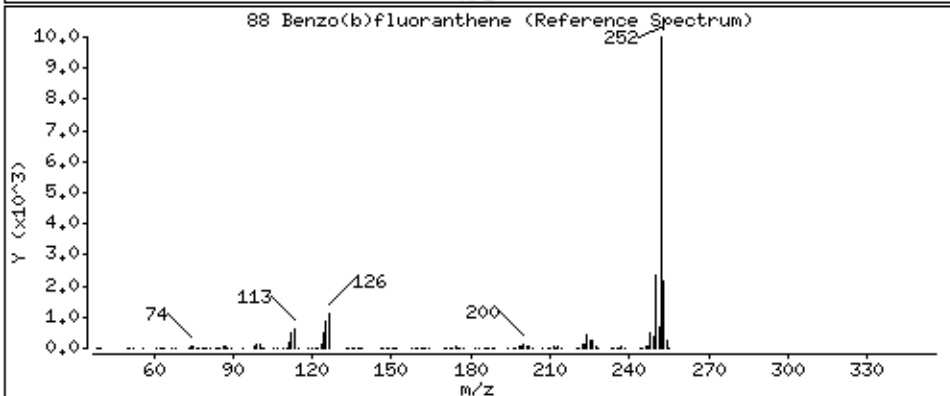
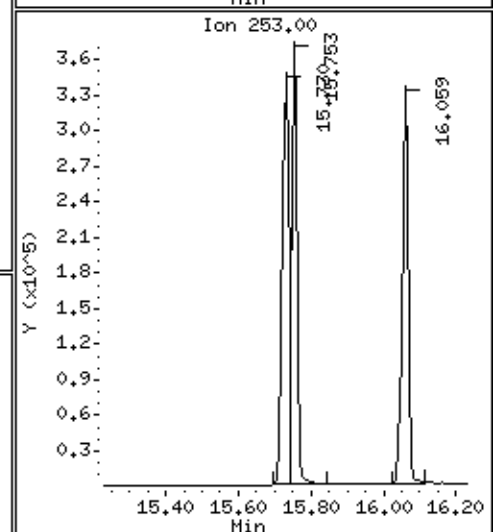
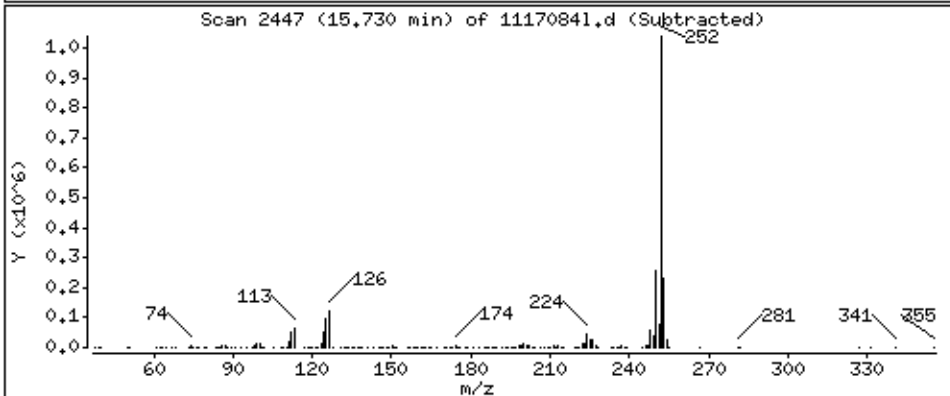
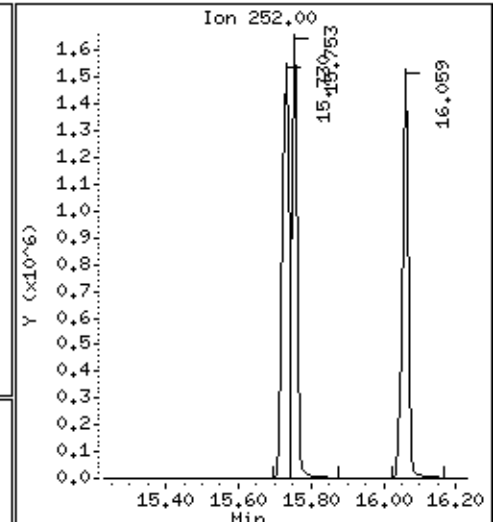
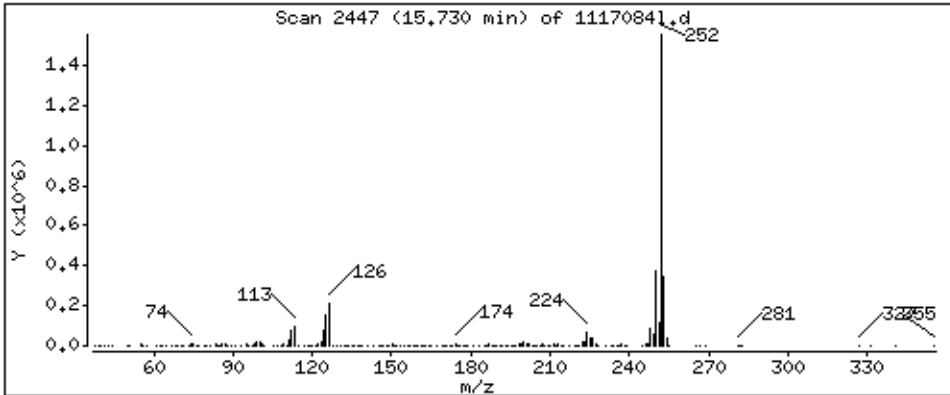
Operator: SN

Column phase: .50um DB-5ms

Column diameter: 0,25

88 Benzo(b)fluoranthene

Concentration: 2603 ug/Kg



Date : 26-JUN-2014 01:22

Client ID: MBLCS

Instrument: 50MSS2.i

Sample Info: 1117084

Volume Injected (uL): 1.0

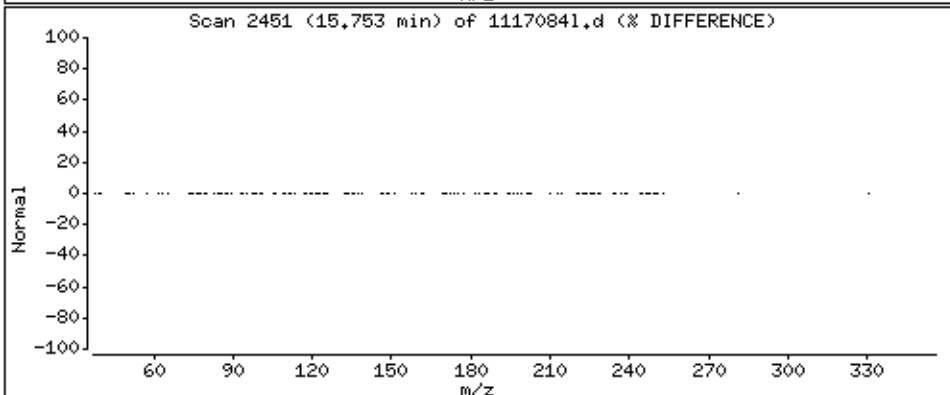
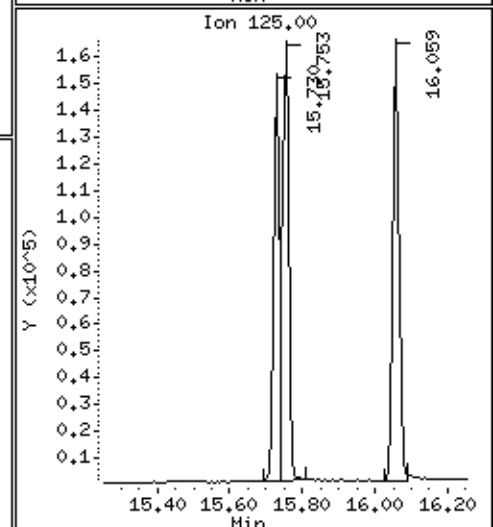
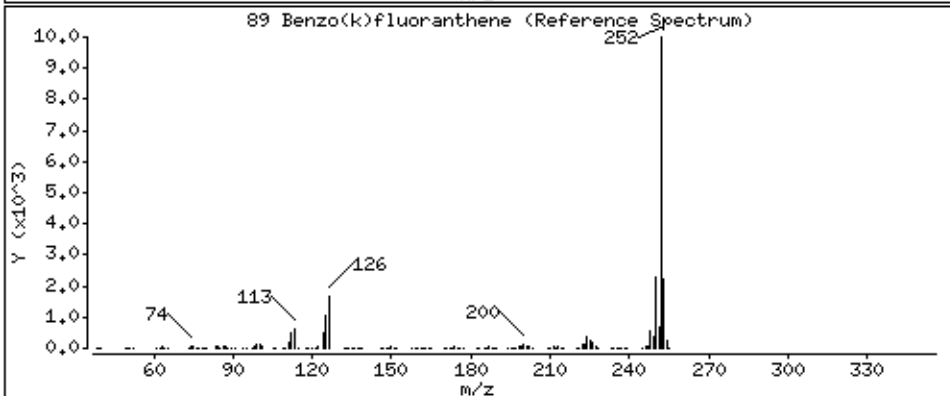
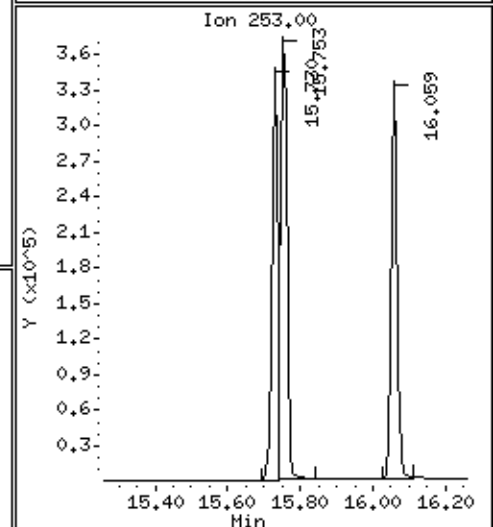
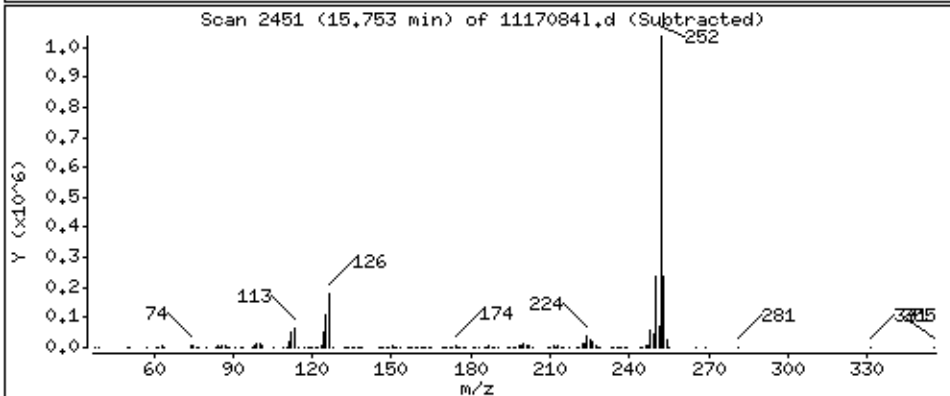
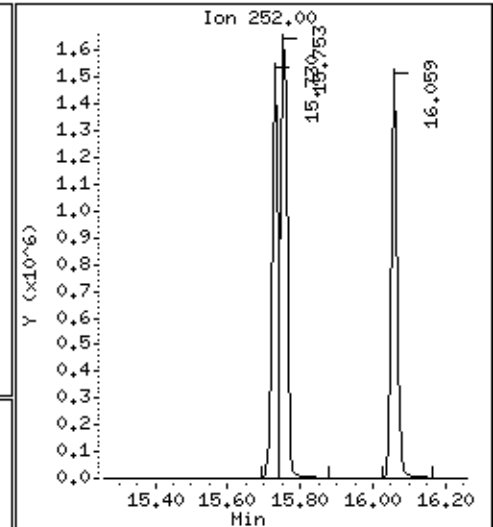
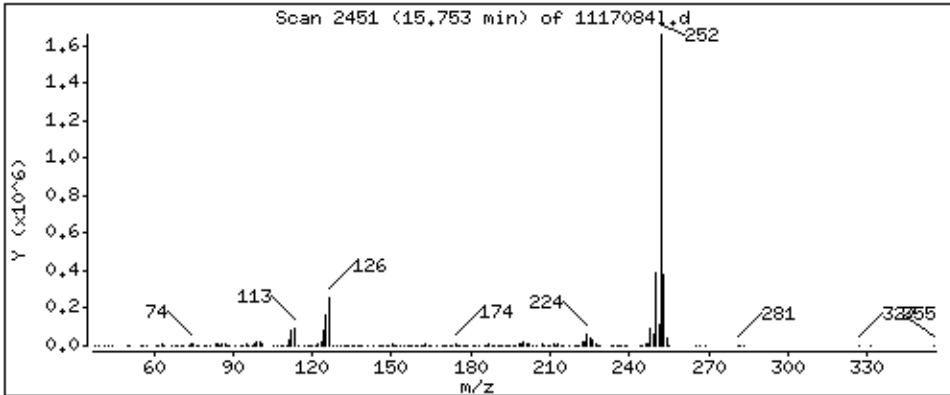
Operator: SN

Column phase: .50um DB-5ms

Column diameter: 0,25

89 Benzo(k)fluoranthene

Concentration: 2639 ug/Kg



Date : 26-JUN-2014 01:22

Client ID: MBLCS

Instrument: 50MSS2.i

Sample Info: 1117084

Volume Injected (uL): 1.0

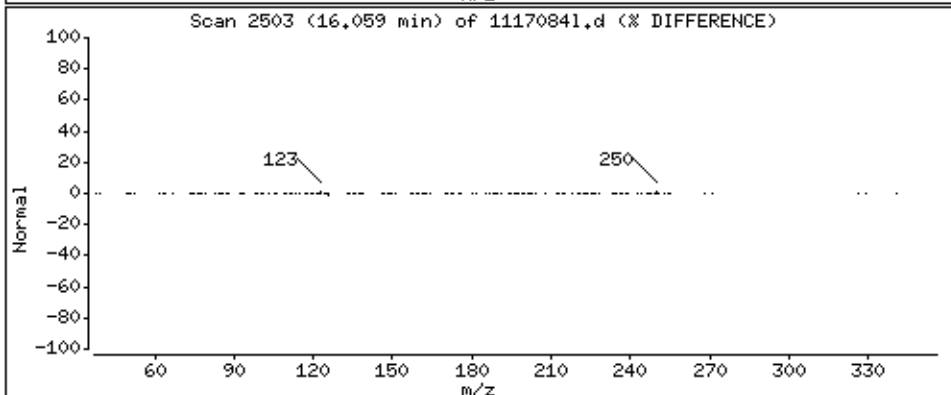
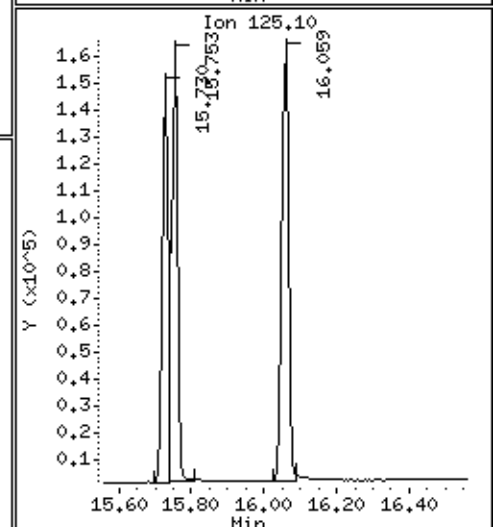
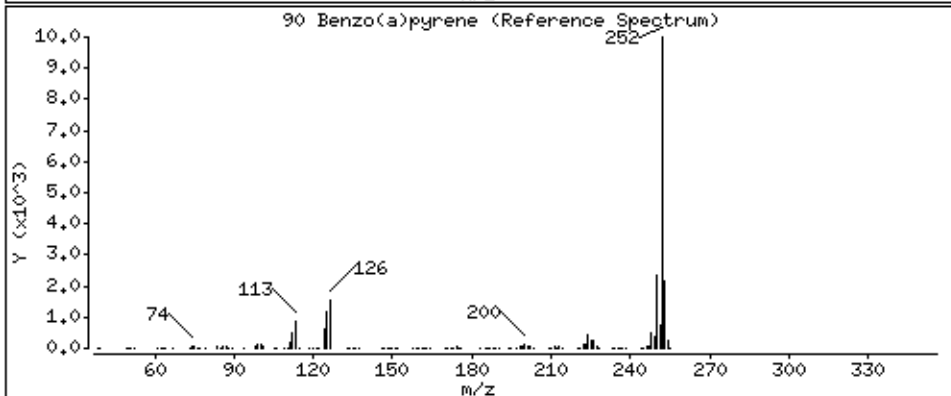
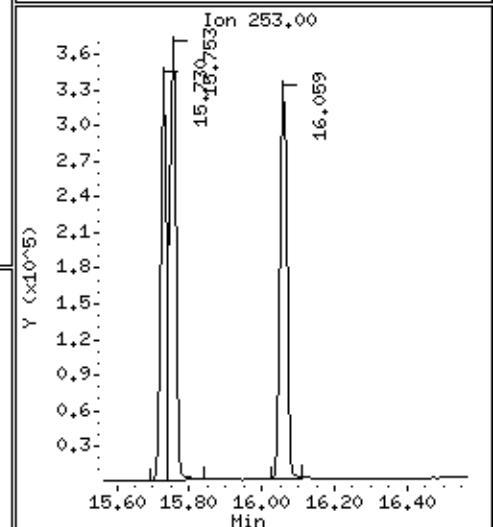
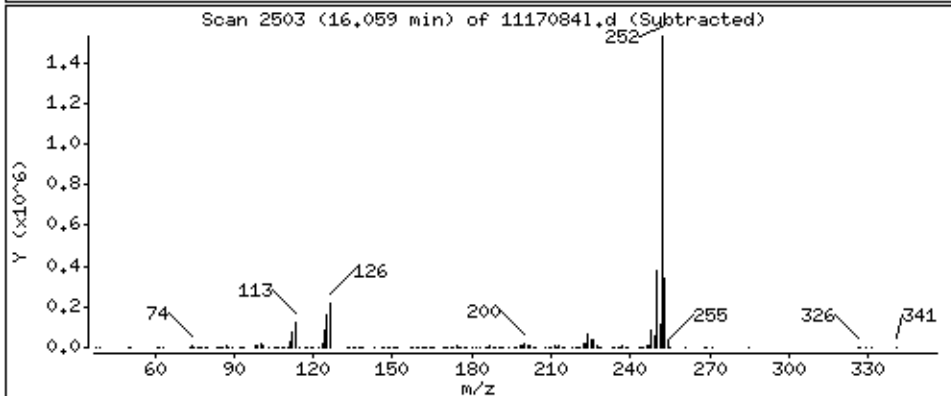
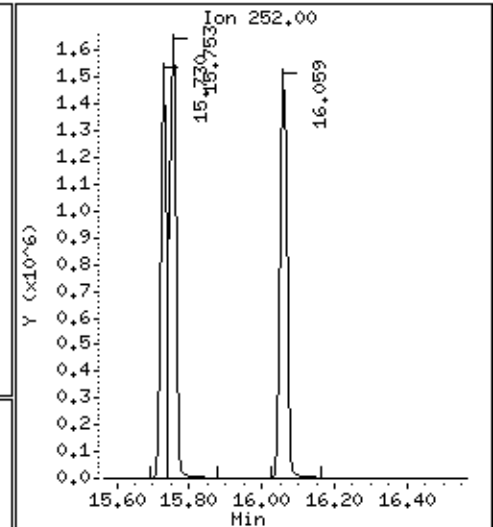
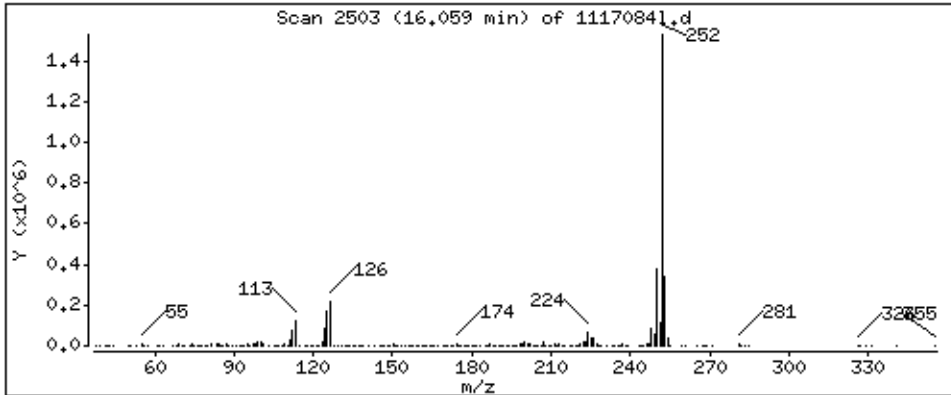
Operator: SN

Column phase: .50um DB-5ms

Column diameter: 0,25

90 Benzo(a)pyrene

Concentration: 2762 ug/Kg



Date : 26-JUN-2014 01:22

Client ID: MBLCS

Instrument: 50MSS2.i

Sample Info: 1117084

Volume Injected (uL): 1.0

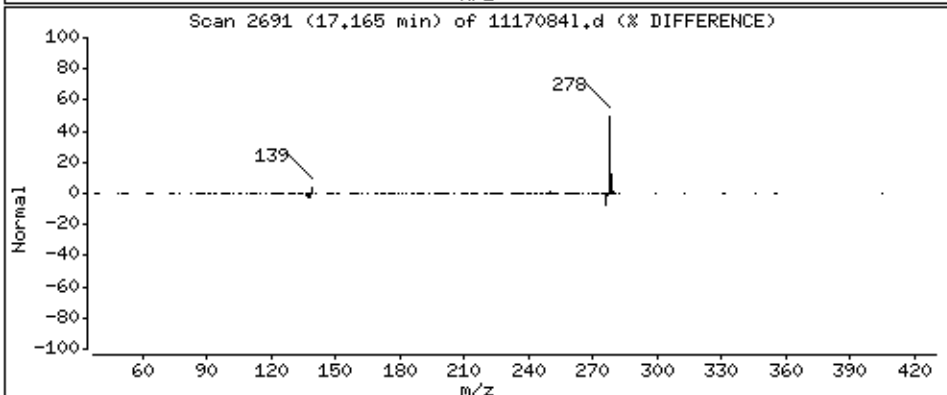
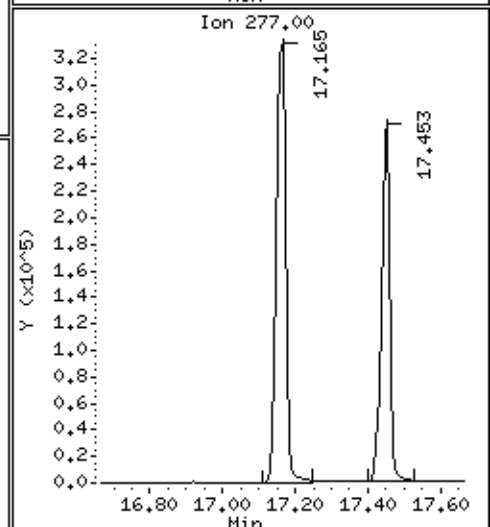
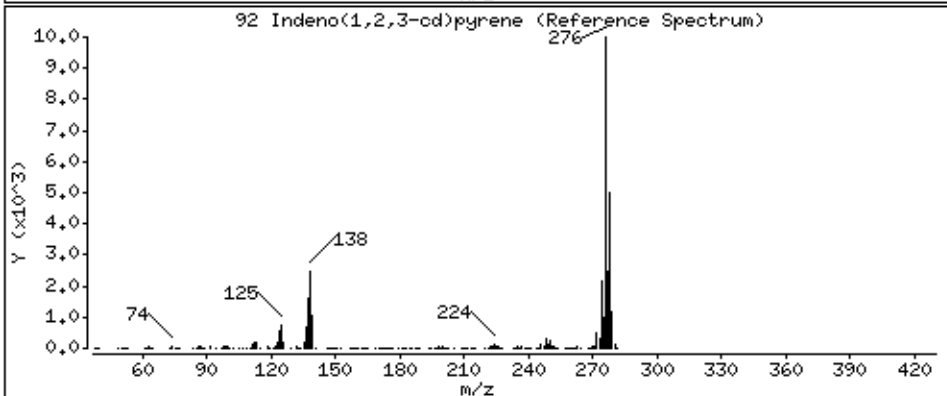
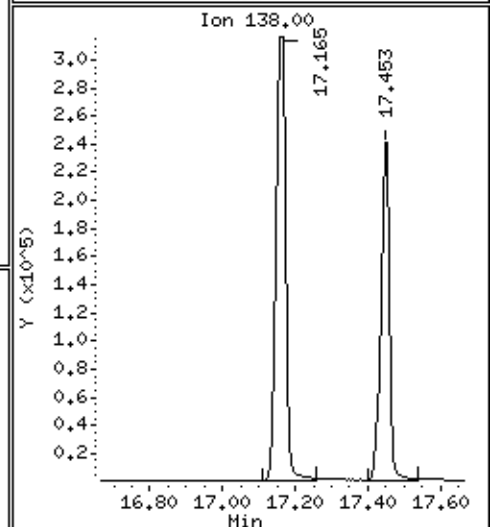
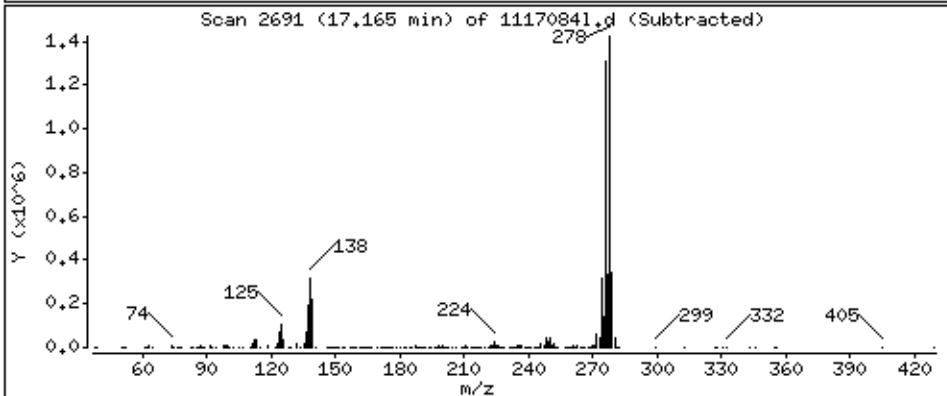
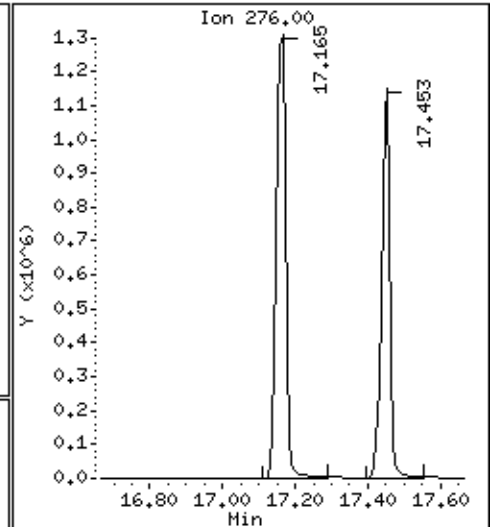
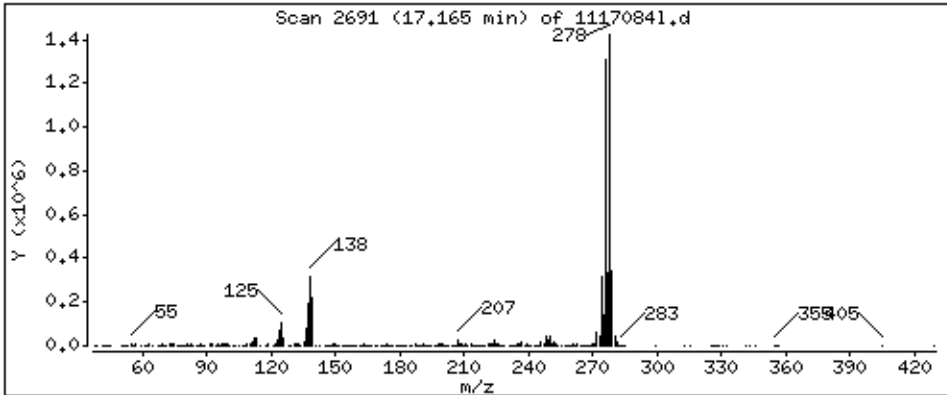
Operator: SN

Column phase: .50um DB-5ms

Column diameter: 0,25

92 Indeno(1,2,3-cd)pyrene

Concentration: 2666 ug/Kg



Date : 26-JUN-2014 01:22

Client ID: MBLCS

Instrument: 50MSS2.i

Sample Info: 1117084

Volume Injected (uL): 1.0

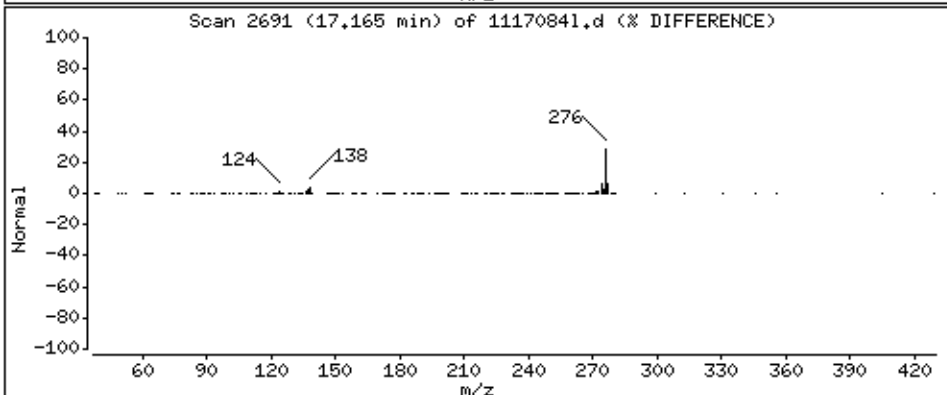
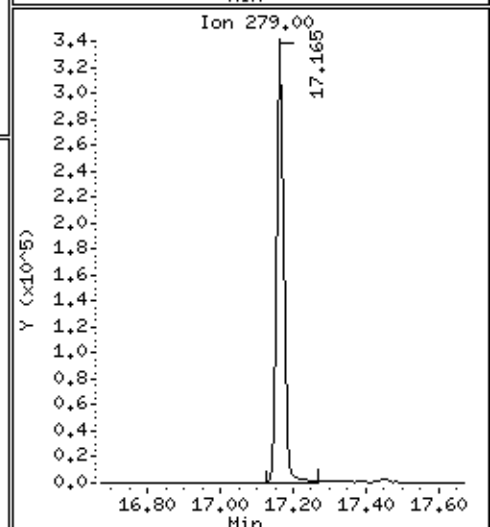
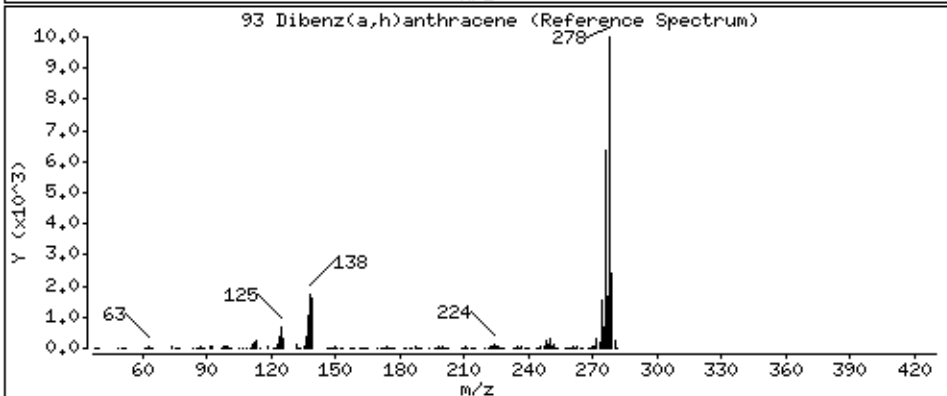
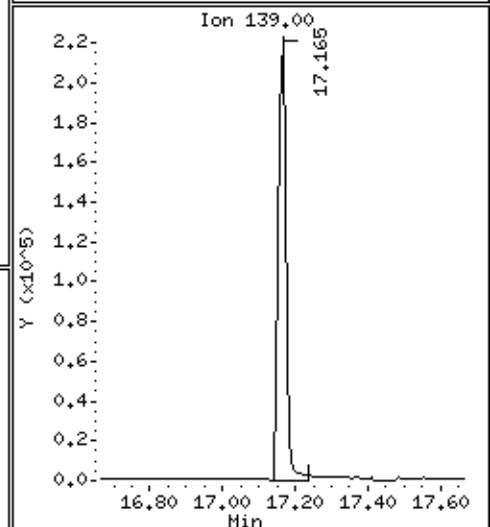
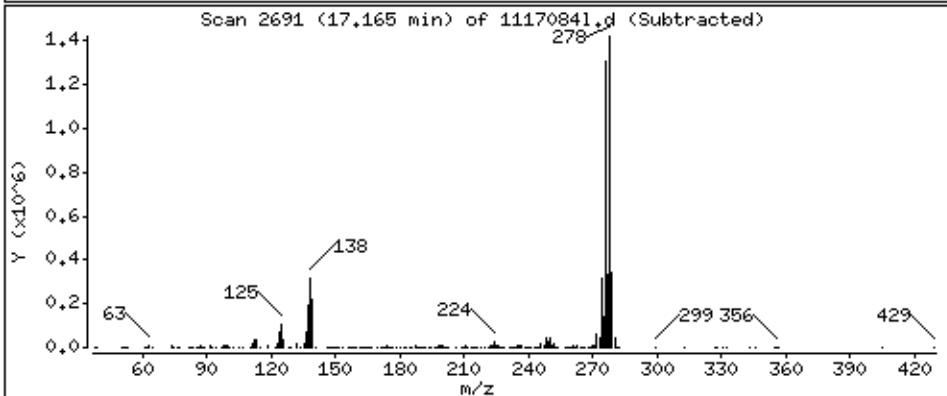
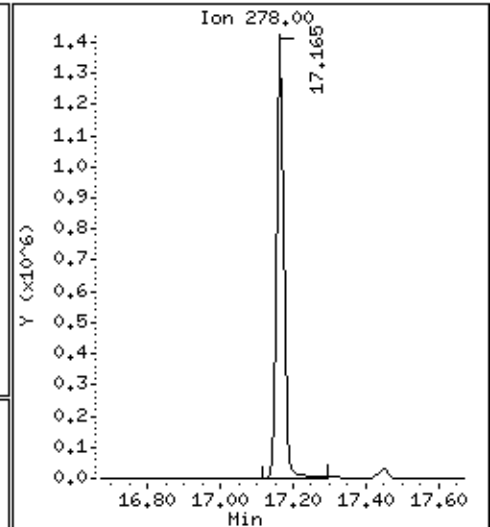
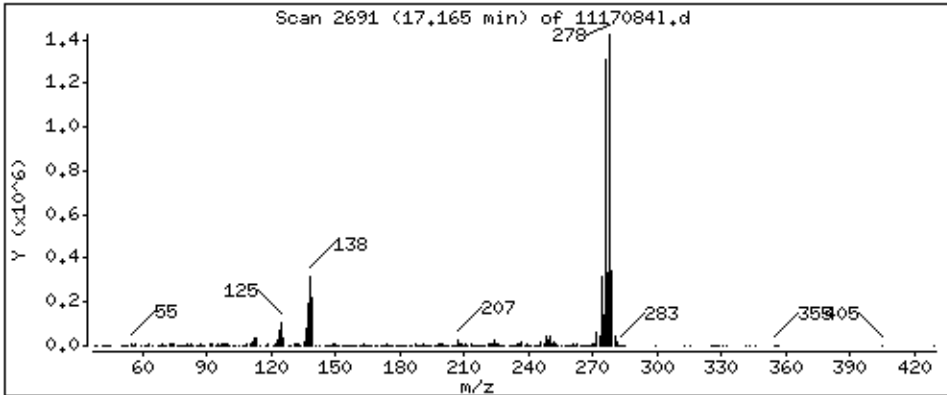
Operator: SN

Column phase: .50um DB-5ms

Column diameter: 0,25

93 Dibenz(a,h)anthracene

Concentration: 2745 ug/Kg



Date : 26-JUN-2014 01:22

Client ID: MBLCS

Instrument: 50MSS2.i

Sample Info: 1117084

Volume Injected (uL): 1.0

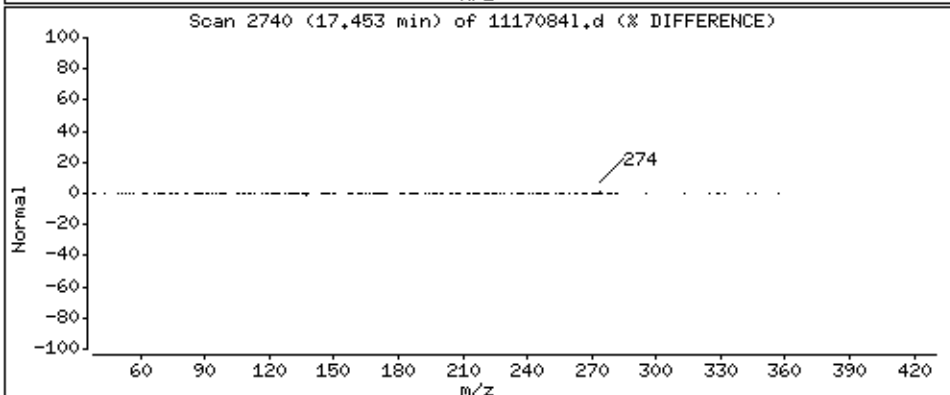
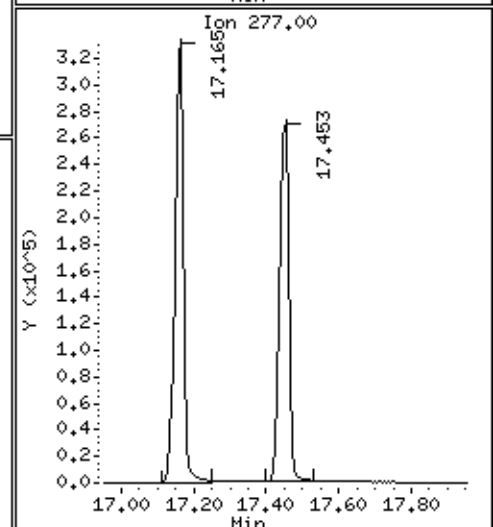
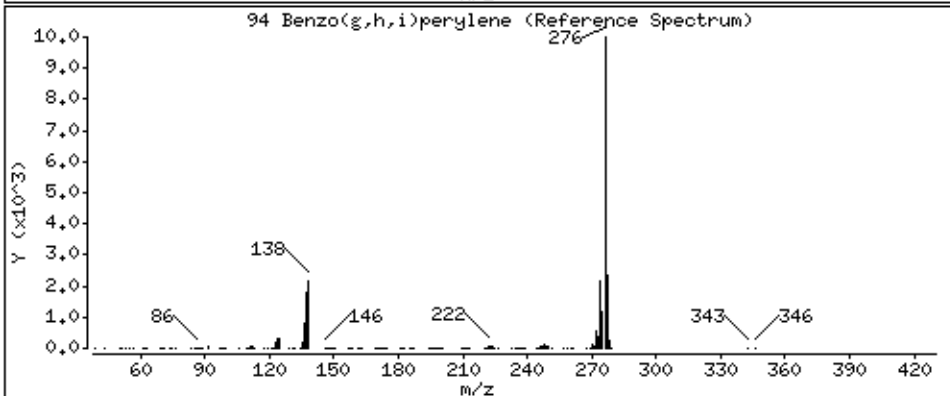
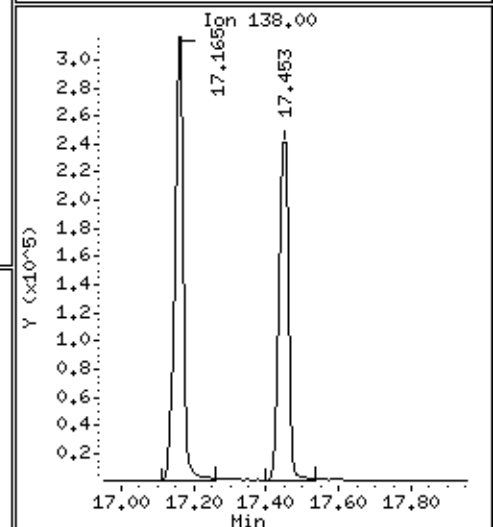
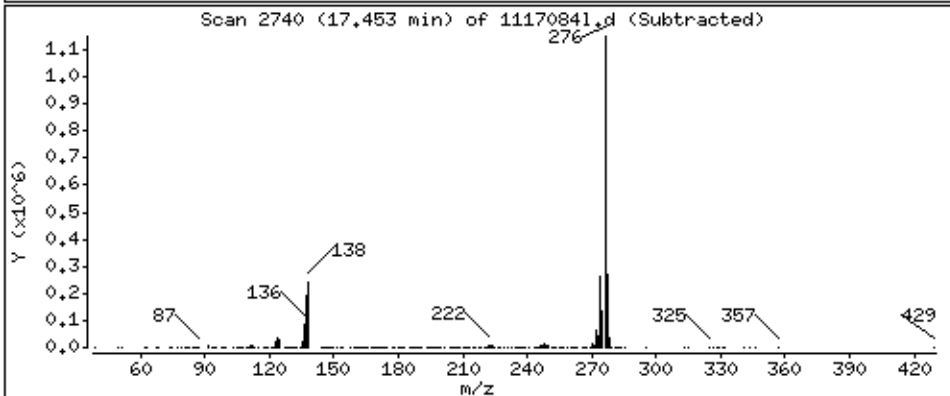
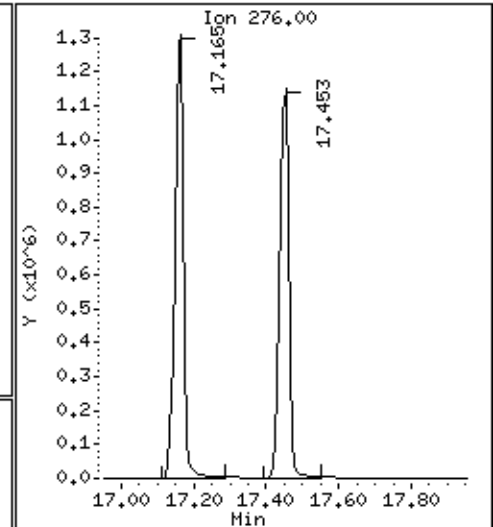
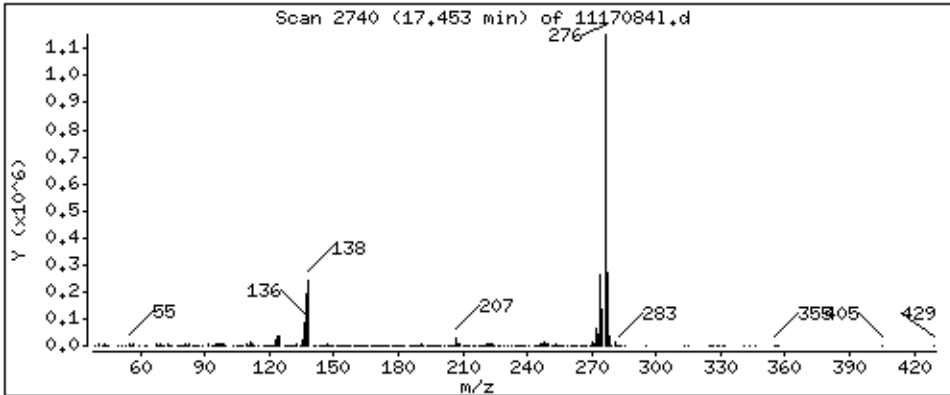
Operator: SN

Column phase: .50um DB-5ms

Column diameter: 0,25

94 Benzo(g,h,i)perylene

Concentration: 2652 ug/Kg



MSSV FULL SCAN - FORM I SVOA-1
SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

MS

Lab Name: Pace Analytical - Indiana

Contract: Sibley - Accucast

Date Received: 06/20/2014 10:42

Matrix: Solid SDG No.: 5099627

Date Extracted: 06/24/2014 14:24

Lab Sample ID: 1116666

Date Analyzed: 06/25/2014 14:27

Lab File ID: 062514.B\1116666M.D

Initial wt/vol: 30.1 g Final wt/vol: 1 mL Dilution: 1

Instrument: 50MSS2 Percent Moisture: 9.2%

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
83-32-9	Acenaphthene	2420	
208-96-8	Acenaphthylene	2450	
120-12-7	Anthracene	2530	
56-55-3	Benzo(a)anthracene	2470	
50-32-8	Benzo(a)pyrene	2510	
205-99-2	Benzo(b)fluoranthene	2300	
191-24-2	Benzo(g,h,i)perylene	2430	
207-08-9	Benzo(k)fluoranthene	2500	
59-50-7	4-Chloro-3-methylphenol	2500	
95-57-8	2-Chlorophenol	2330	
218-01-9	Chrysene	2550	
53-70-3	Dibenz(a,h)anthracene	2510	
121-14-2	2,4-Dinitrotoluene	2640	
206-44-0	Fluoranthene	2600	
86-73-7	Fluorene	2540	
193-39-5	Indeno(1,2,3-cd)pyrene	2430	
91-57-6	2-Methylnaphthalene	2320	
91-20-3	Naphthalene	2260	
100-02-7	4-Nitrophenol	2570	
621-64-7	N-Nitroso-di-n-propylamine	2440	
87-86-5	Pentachlorophenol	2270	
85-01-8	Phenanthrene	2480	
108-95-2	Phenol	2390	
129-00-0	Pyrene	2610	

07/18/2014 8:51

Pace Analytical Services, Inc.

Semivolatile REPORT SW-846 Method 8270/EPA 625

Data file : \\192.168.50.6\chem\50MSS2.i\062514.b\1116666m.d
 Lab Smp Id: 1116666 Client Smp ID: P-4 (5-7)MS
 Inj Date : 25-JUN-2014 14:27
 Operator : SN Inst ID: 50MSS2.i
 Smp Info : 1116666
 Misc Info : 15571
 Comment :
 Method : \\192.168.50.6\chem\50MSS2.i\062514.b\8270c.m
 Meth Date : 26-Jun-2014 10:12 50MSS2.i Quant Type: ISTD
 Cal Date : 09-JUN-2014 14:49 Cal File: 100ppm.d
 Als bottle: 9 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	30.100	Weight of sample extracted (g)
M	0.00000	% Moisture
Cpnd Variable		Local Compound Variable

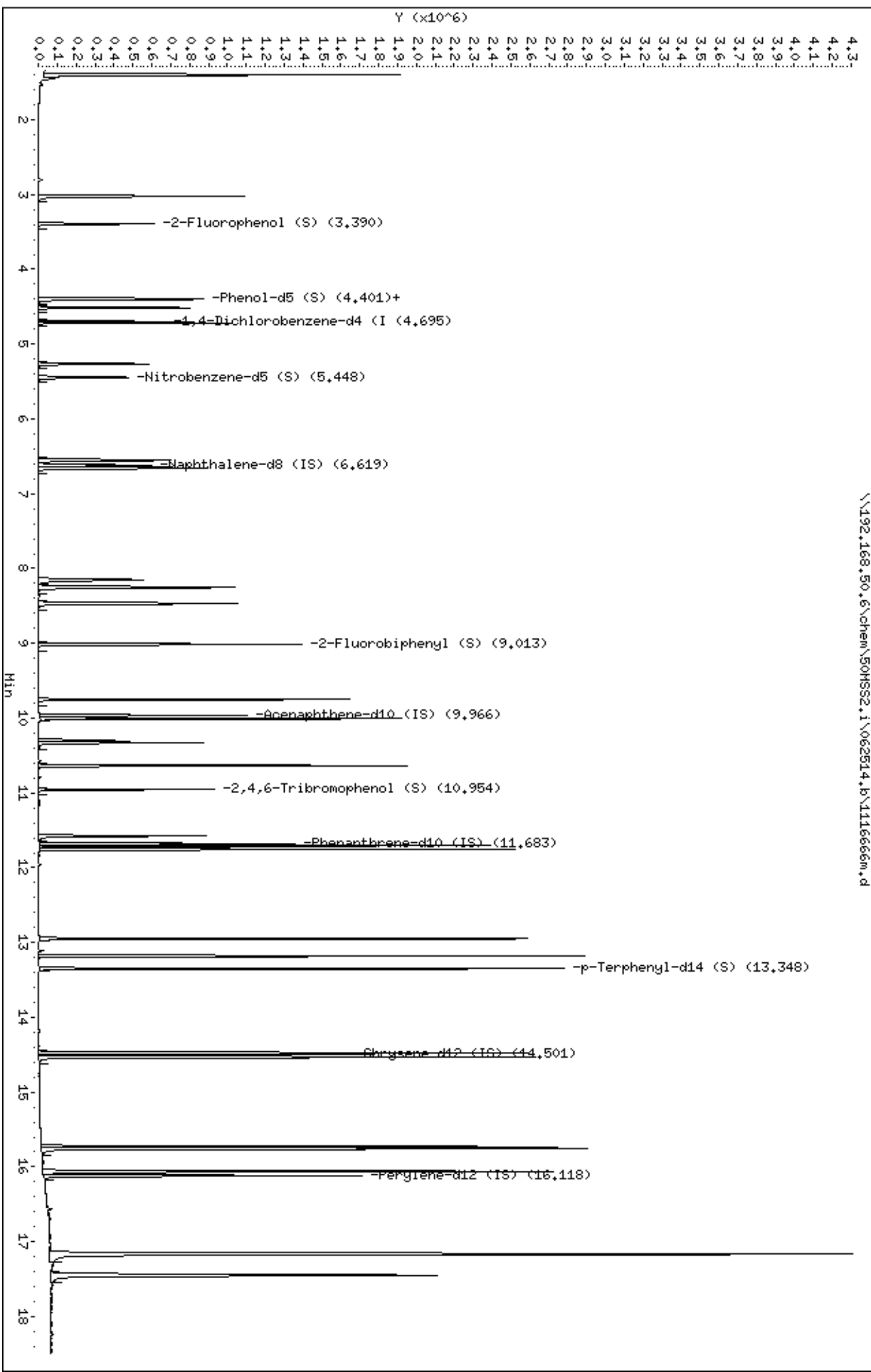
Compounds	QUANT	SIG	CONCENTRATIONS				
			ON-COLUMN	FINAL			
	MASS	RT	EXP RT	REL RT	RESPONSE	(ug/ml)	(ug/Kg)
\$ 3 2-Fluorophenol (S)	112	3.395	3.389	(0.723)	221751	65.1435	2164
\$ 6 Phenol-d5 (S)	99	4.389	4.395	(0.935)	285458	66.4205	2207
7 Phenol	94	4.407	4.407	(0.939)	296326	65.4514	2174
9 2-Chlorophenol	128	4.513	4.513	(0.961)	257319	63.7329	2117
* 11 1,4-Dichlorobenzene-d4 (IS)	152	4.695	4.695	(1.000)	119665	40.0000	
12 1,4-Dichlorobenzene	146	4.712	4.713	(1.004)	275283	60.8735	2022
21 N-Nitroso-di-n-propylamine	70	5.265	5.271	(1.121)	159950	66.8151	2220
\$ 23 Nitrobenzene-d5 (S)	82	5.448	5.442	(0.823)	225201	62.9092	2090
31 1,2,4-Trichlorobenzene	180	6.554	6.554	(0.990)	244208	63.3115	2103
* 32 Naphthalene-d8 (IS)	136	6.618	6.618	(1.000)	467619	40.0000	
33 Naphthalene	128	6.659	6.660	(1.006)	744652	61.7650	2052
38 4-Chloro-3-methylphenol	107	8.148	8.159	(1.231)	222246	68.2588	2268
39 2-Methylnaphthalene	142	8.253	8.254	(1.247)	525242	63.4117	2107
41 1-Methylnaphthalene	142	8.465	8.465	(1.279)	473506	58.1291	1931
\$ 46 2-Fluorobiphenyl (S)	172	9.012	9.012	(0.904)	608256	64.8623	2155
51 Acenaphthylene	152	9.753	9.753	(0.979)	887149	66.8599	2221
* 53 Acenaphthene-d10 (IS)	164	9.965	9.965	(1.000)	278035	40.0000	
55 Acenaphthene	153	10.006	10.006	(1.004)	545421	66.1030	2196
58 4-Nitrophenol	109	10.294	10.300	(1.033)	74045	70.1225	2330

Compounds	QUANT SIG MASS					CONCENTRATIONS	
		RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ug/ml)	FINAL (ug/Kg)
=====	=====	=====	=====	=====	=====	=====	=====
59 2,4-Dinitrotoluene	165	10.330	10.330	(1.037)	194938	72.1342	2396
61 Fluorene	166	10.636	10.642	(1.067)	642864	69.4196	2306
\$ 67 2,4,6-Tribromophenol (S)	330	10.959	10.959	(0.938)	144005	71.6010	2379
71 Pentachlorophenol	266	11.577	11.577	(0.991)	136381	62.1749	2066
* 72 Phenanthrene-d10 (IS)	188	11.683	11.683	(1.000)	542556	40.0000	
73 Phenanthrene	178	11.706	11.706	(1.002)	987234	67.8186	2253
74 Anthracene	178	11.753	11.753	(1.006)	1012565	69.1474	2297
77 Fluoranthene	202	12.947	12.953	(1.108)	1177614	71.0462	2360
79 Pyrene	202	13.177	13.177	(1.128)	1238939	71.3734	2371
\$ 80 p-Terphenyl-d14 (S)	244	13.347	13.347	(1.142)	945941	84.9064	2821
82 Benzo(a)anthracene	228	14.477	14.477	(0.998)	1259321	67.5120	2243
* 84 Chrysene-d12 (IS)	240	14.500	14.500	(1.000)	729741	40.0000	
85 Chrysene	228	14.530	14.535	(1.002)	1219710	69.5903	2312
88 Benzo(b)fluoranthene	252	15.729	15.730	(0.976)	1343853	62.7958	2086
89 Benzo(k)fluoranthene	252	15.753	15.759	(0.977)	1523747	68.3486	2271
90 Benzo(a)pyrene	252	16.059	16.065	(0.996)	1327886	68.5820	2278
* 91 Perylene-d12 (IS)	264	16.118	16.118	(1.000)	707366	40.0000	
92 Indeno(1,2,3-cd)pyrene	276	17.159	17.165	(1.065)	1675323	66.3528	2204
93 Dibenz(a,h)anthracene	278	17.165	17.171	(1.065)	1391025	68.5590	2278
94 Benzo(g,h,i)perylene	276	17.447	17.453	(1.082)	1411951	66.3685	2205

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 Date: 25-JUN-2014 14:27
 Client ID: P-4 (5-7)HS
 Sample Info: 1116666
 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\062514.b\111666m.d



Date : 25-JUN-2014 14:27

Client ID: P-4 (5-7)MS

Instrument: 50MSS2.i

Sample Info: 1116666

Volume Injected (uL): 1.0

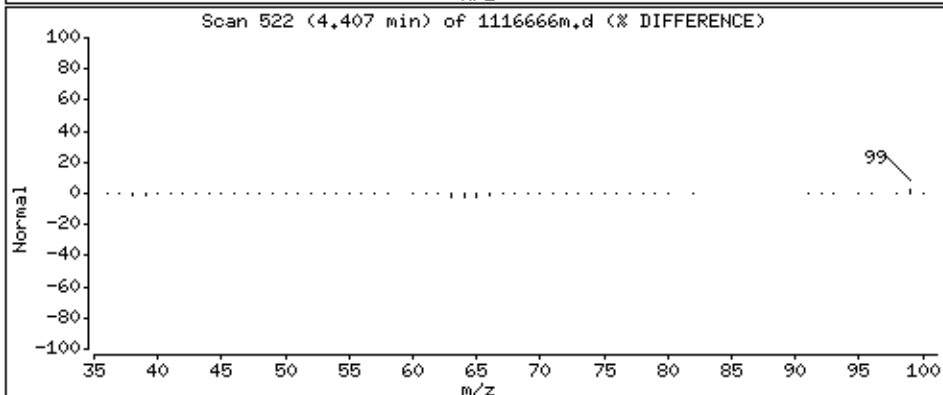
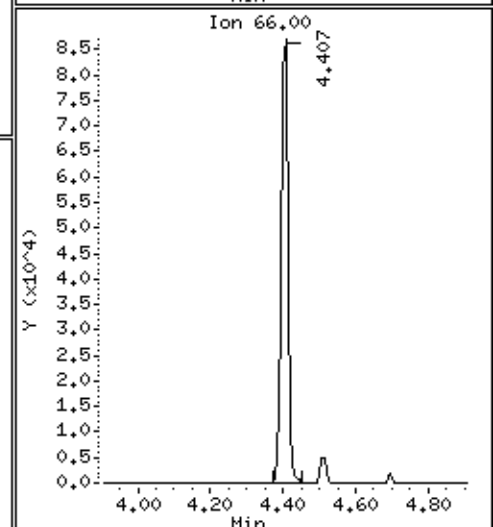
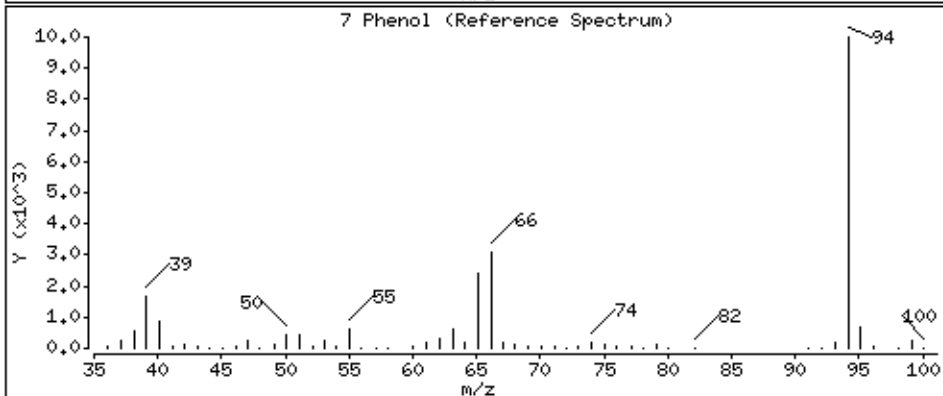
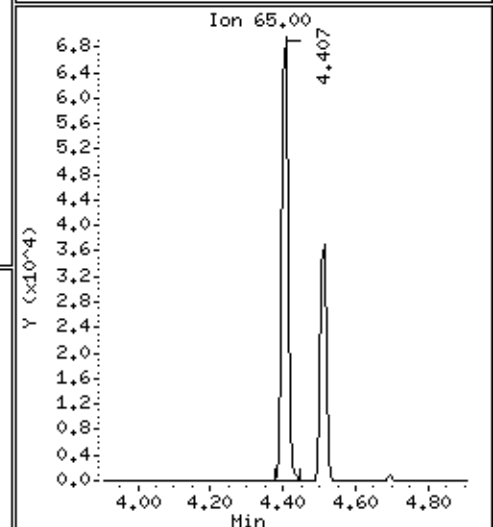
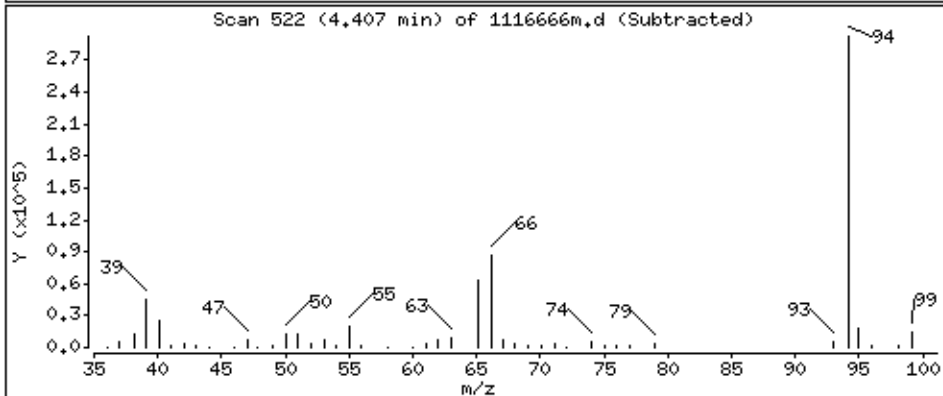
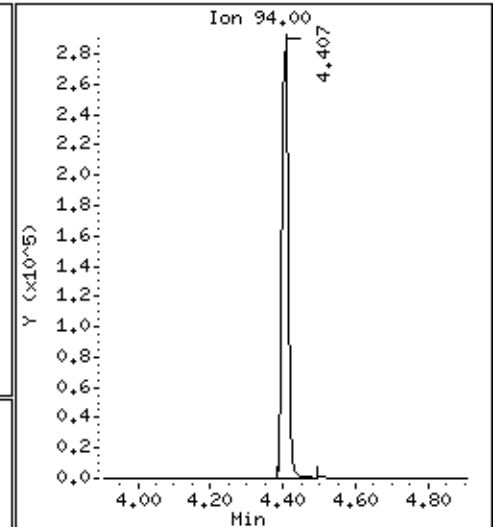
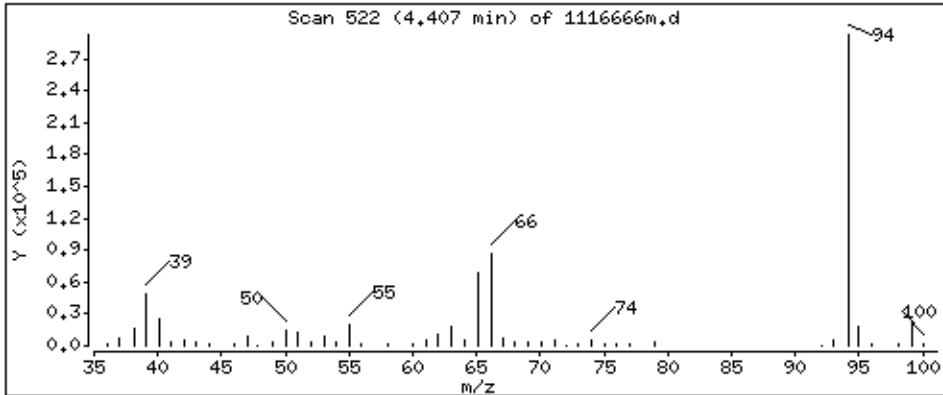
Operator: SN

Column phase: .50um DB-5ms

Column diameter: 0,25

7 Phenol

Concentration: 2174 ug/Kg



Date : 25-JUN-2014 14:27

Client ID: P-4 (5-7)MS

Instrument: 50MSS2.i

Sample Info: 1116666

Volume Injected (uL): 1.0

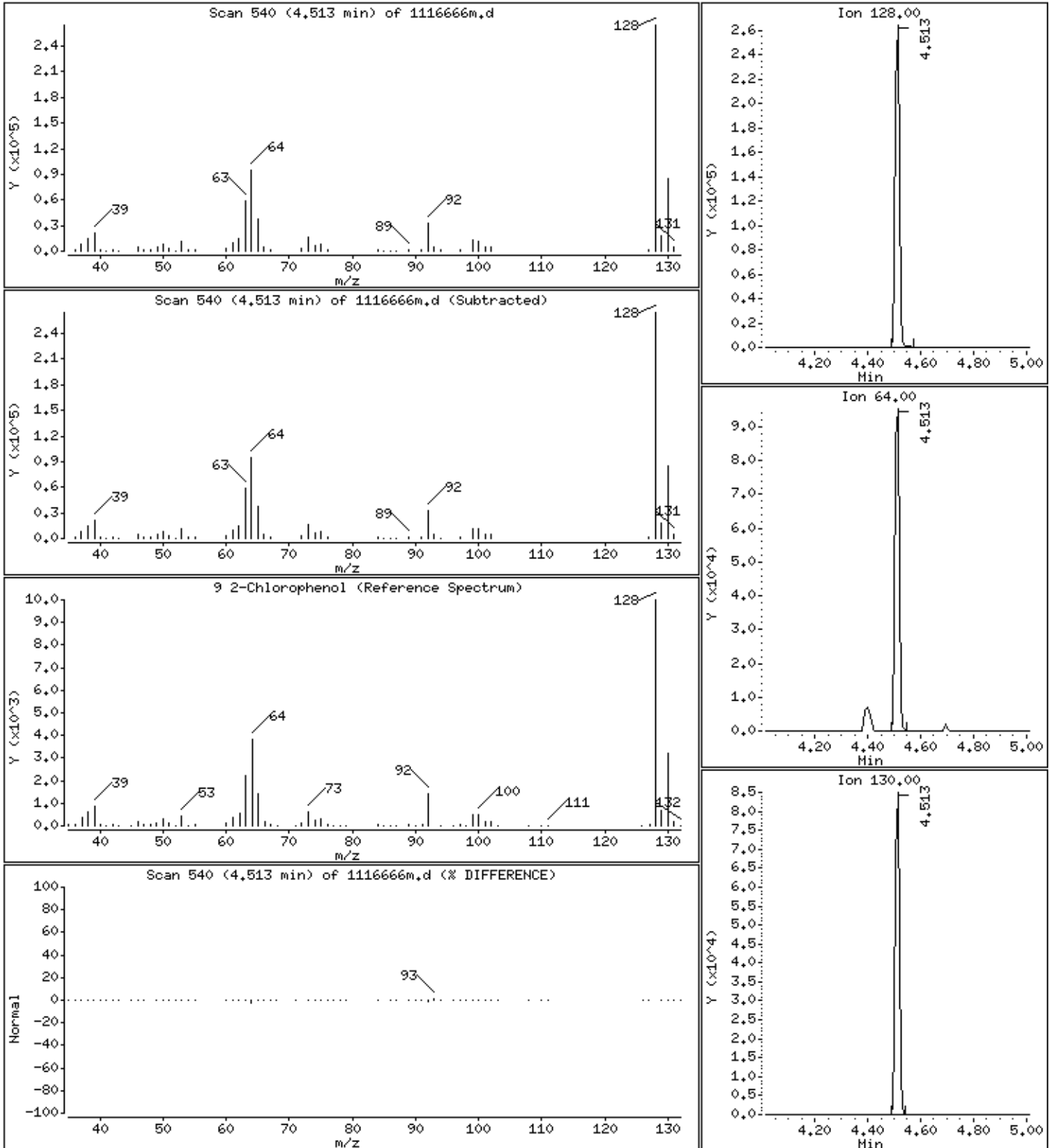
Operator: SN

Column phase: .50um DB-5ms

Column diameter: 0,25

9 2-Chlorophenol

Concentration: 2117 ug/Kg



Date : 25-JUN-2014 14:27

Client ID: P-4 (5-7)MS

Instrument: 50MSS2.i

Sample Info: 1116666

Volume Injected (uL): 1.0

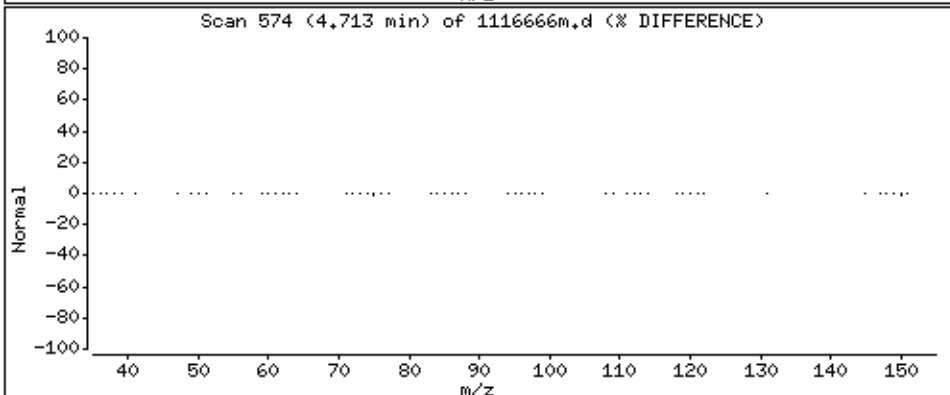
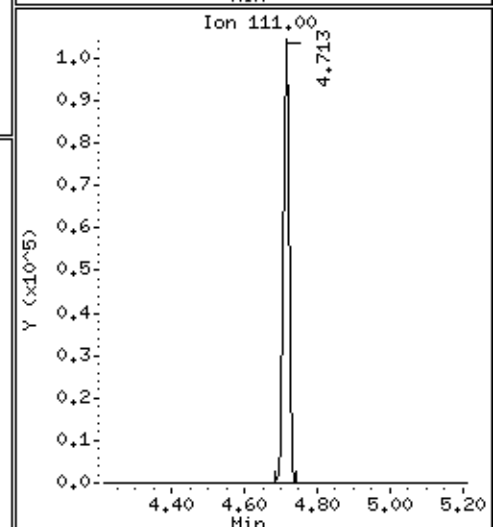
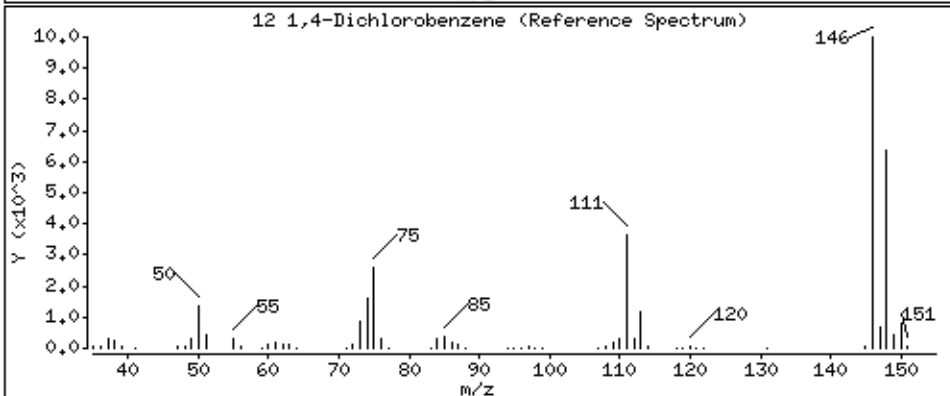
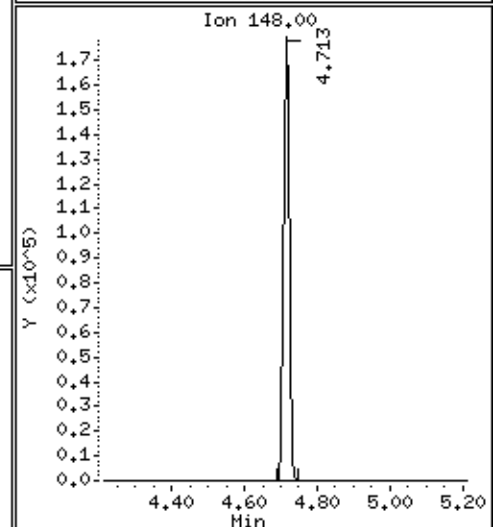
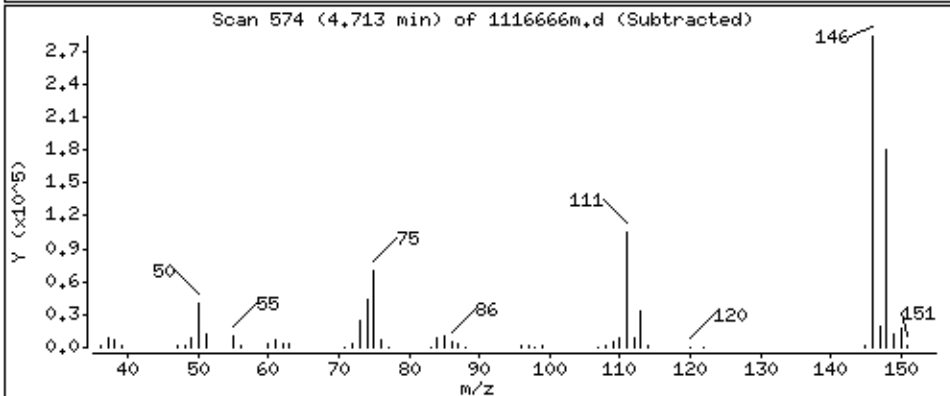
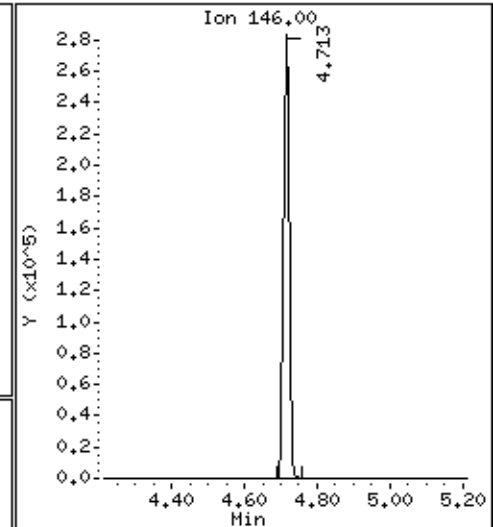
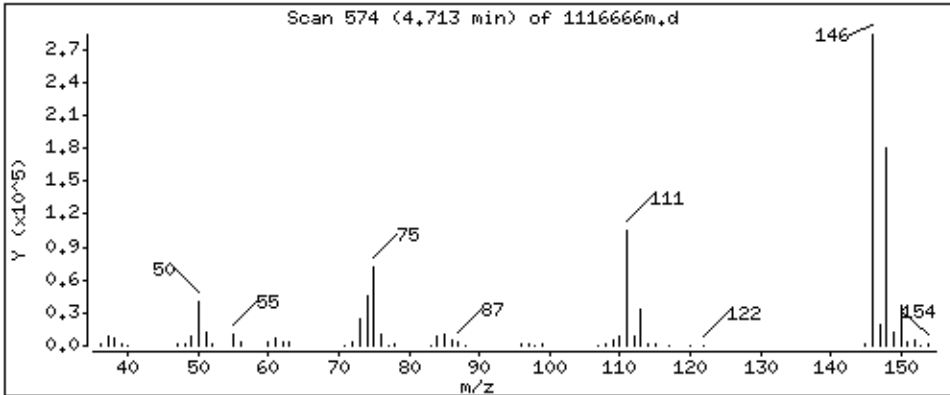
Operator: SN

Column phase: .50um DB-5ms

Column diameter: 0,25

12 1,4-Dichlorobenzene

Concentration: 2022 ug/Kg



Date : 25-JUN-2014 14:27

Client ID: P-4 (5-7)MS

Instrument: 50MSS2.i

Sample Info: 1116666

Volume Injected (uL): 1.0

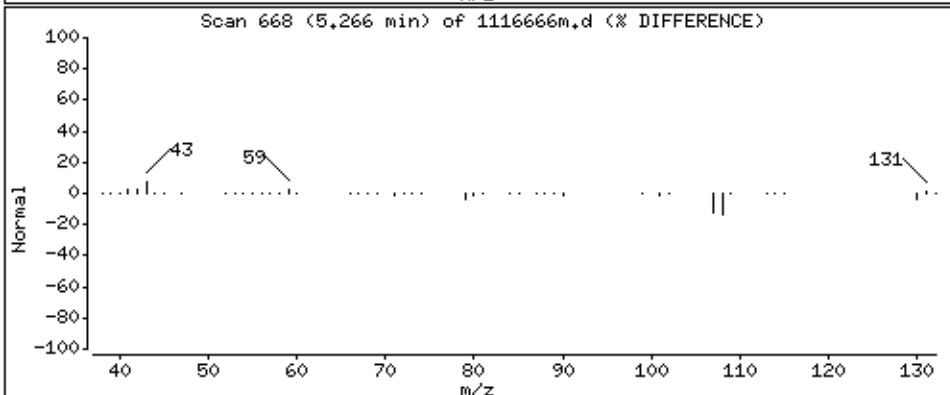
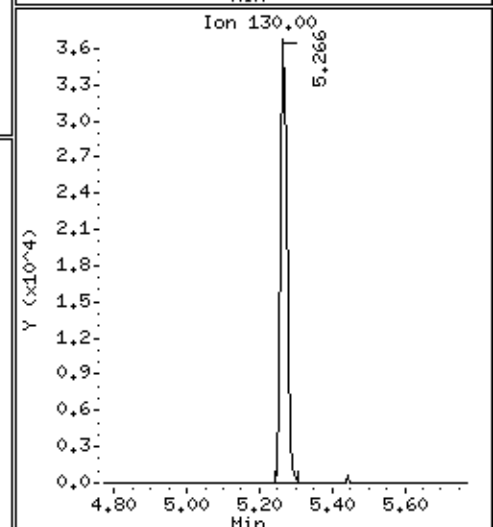
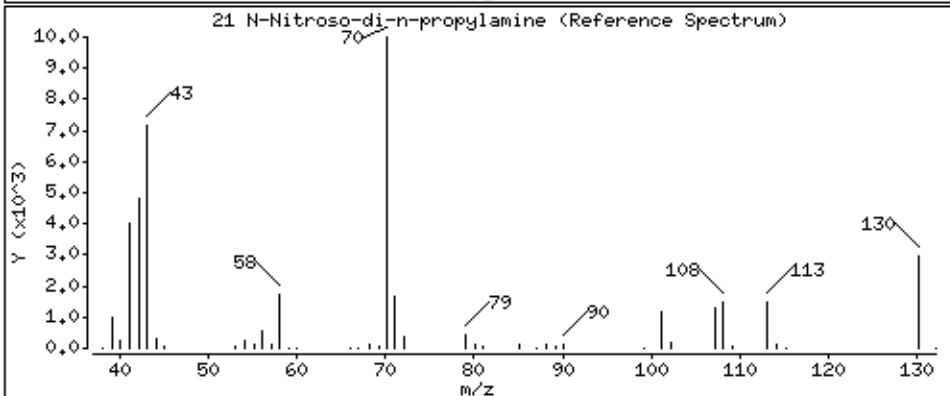
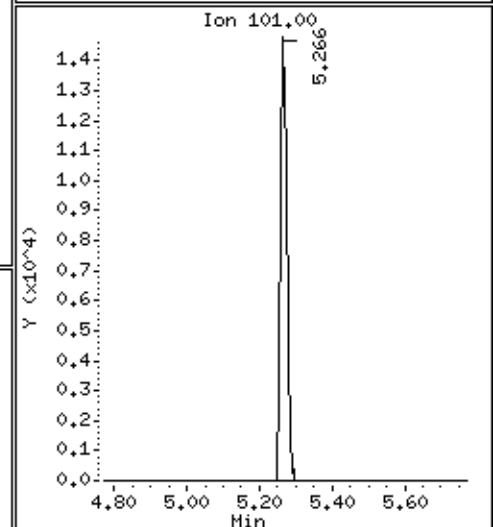
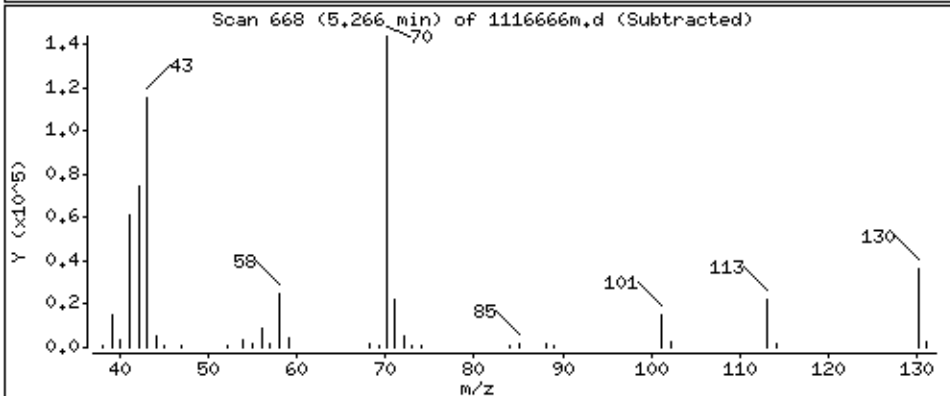
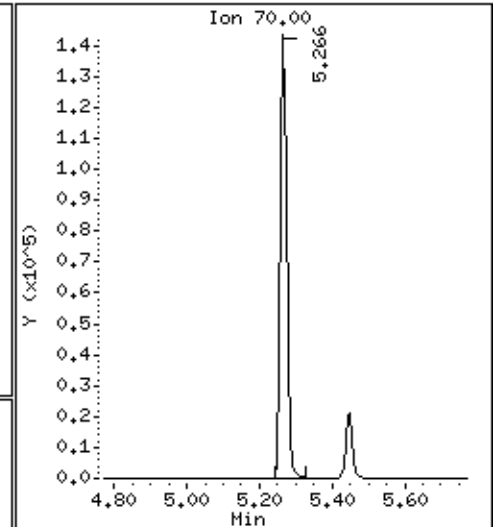
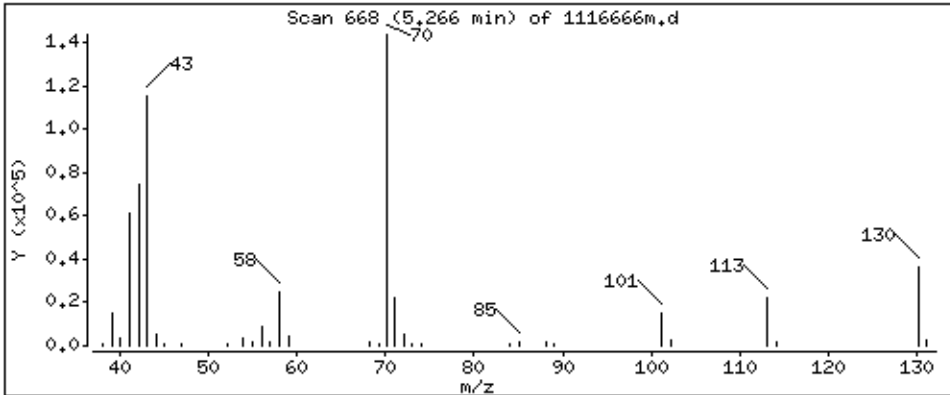
Operator: SN

Column phase: .50um DB-5ms

Column diameter: 0,25

21 N-Nitroso-di-n-propylamine

Concentration: 2220 ug/Kg



Date : 25-JUN-2014 14:27

Client ID: P-4 (5-7)MS

Instrument: 50MSS2.i

Sample Info: 1116666

Volume Injected (uL): 1.0

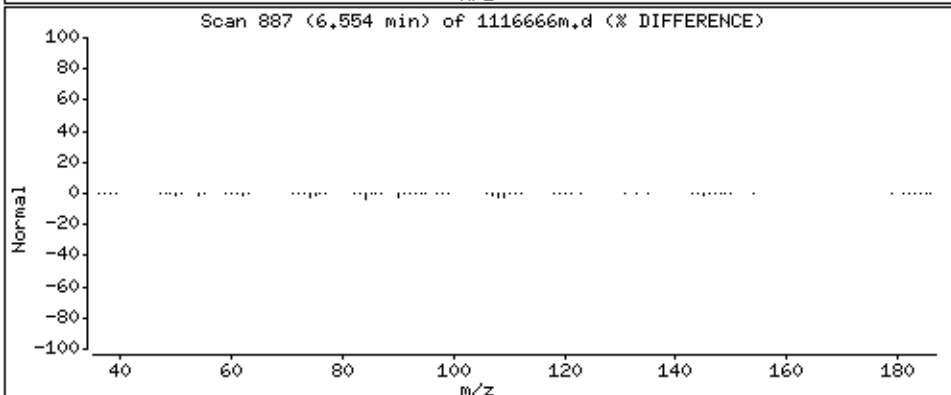
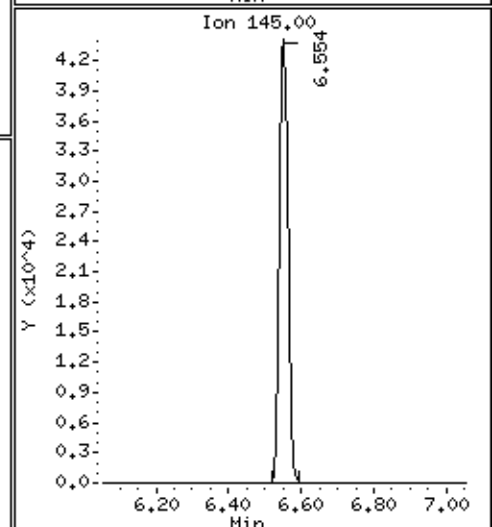
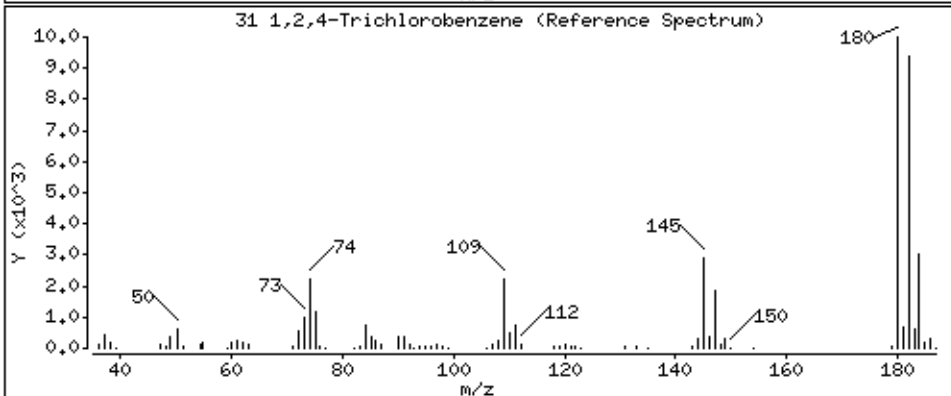
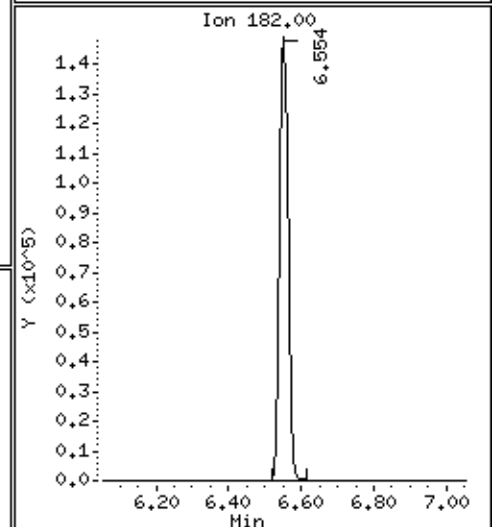
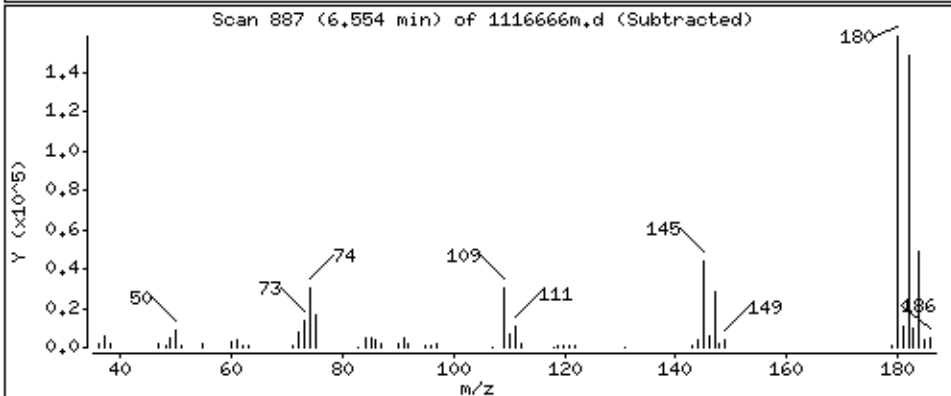
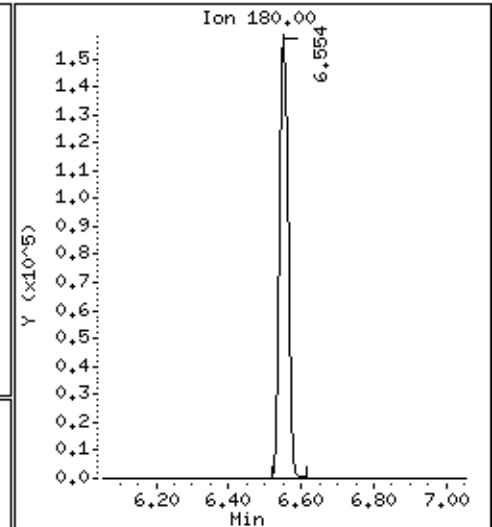
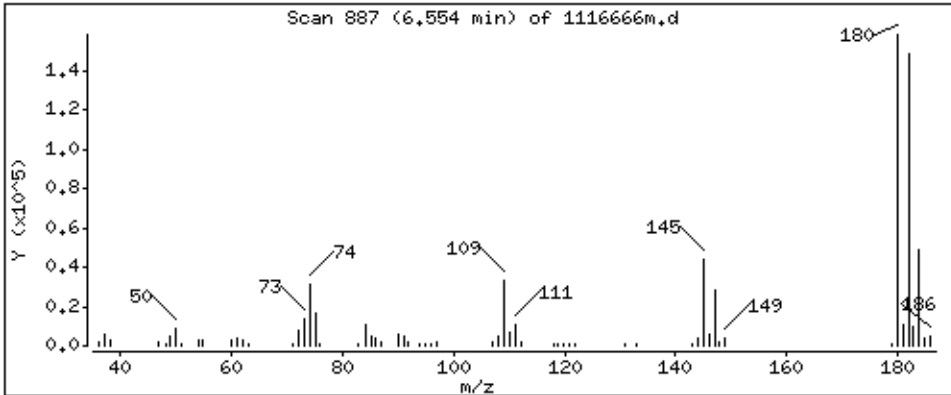
Operator: SN

Column phase: .50um DB-5ms

Column diameter: 0,25

31 1,2,4-Trichlorobenzene

Concentration: 2103 ug/Kg



Date : 25-JUN-2014 14:27

Client ID: P-4 (5-7)MS

Instrument: 50MSS2.i

Sample Info: 1116666

Volume Injected (uL): 1.0

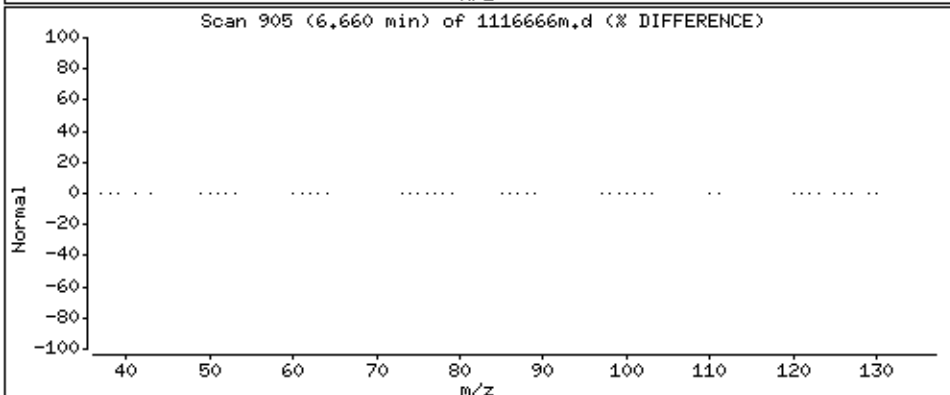
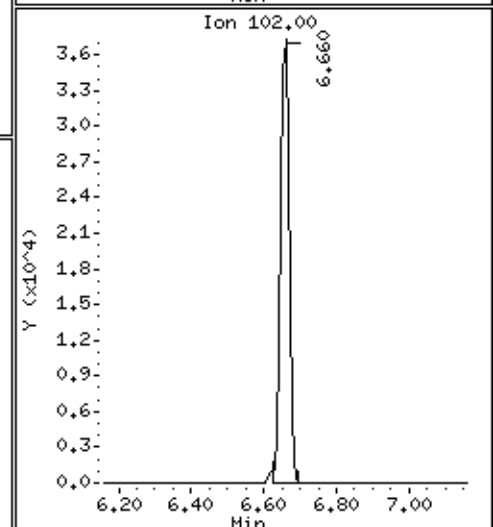
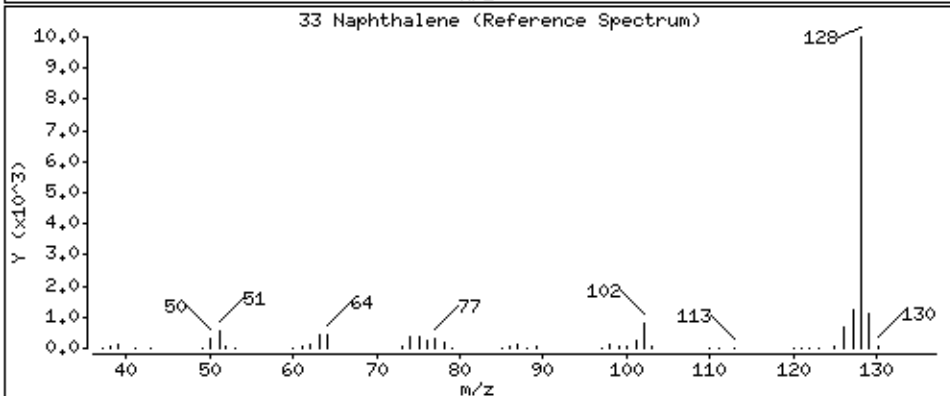
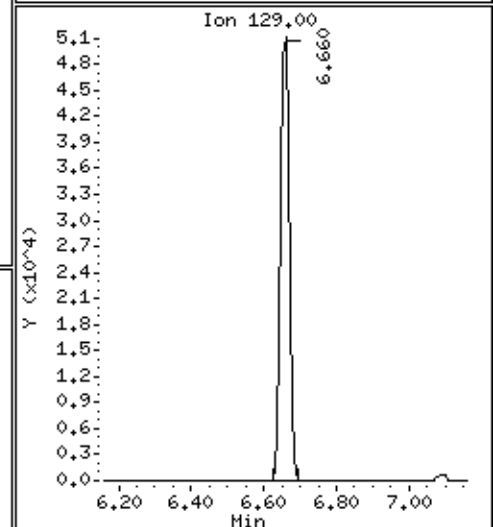
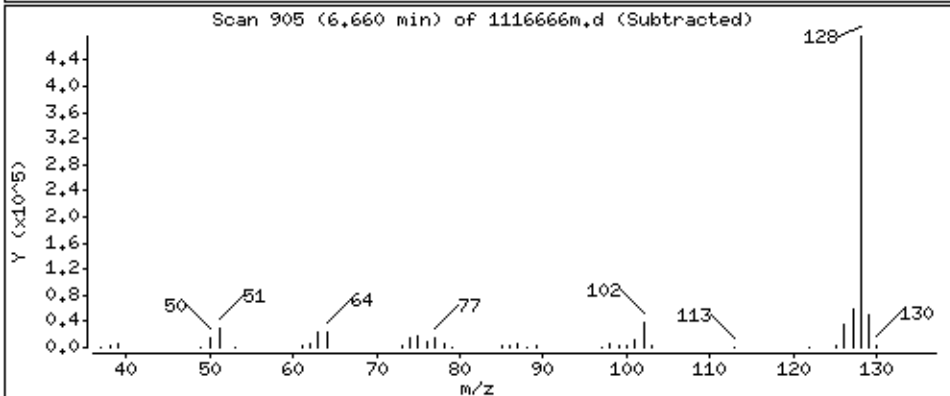
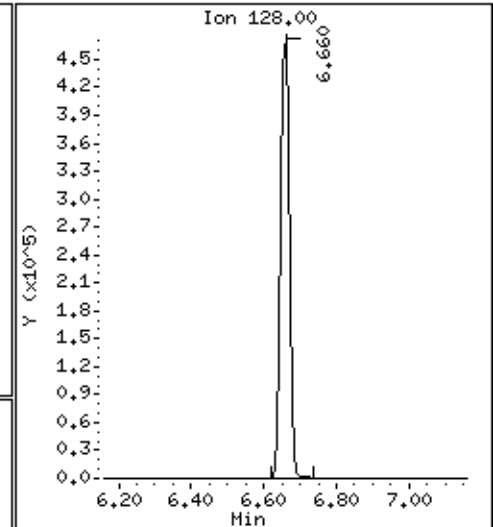
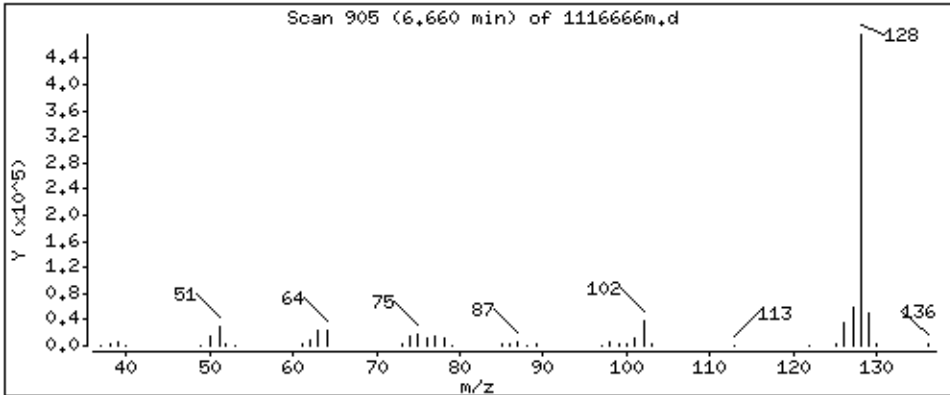
Operator: SN

Column phase: .50um DB-5ms

Column diameter: 0,25

33 Naphthalene

Concentration: 2052 ug/Kg



Date : 25-JUN-2014 14:27

Client ID: P-4 (5-7)MS

Instrument: 50MSS2.i

Sample Info: 1116666

Volume Injected (uL): 1.0

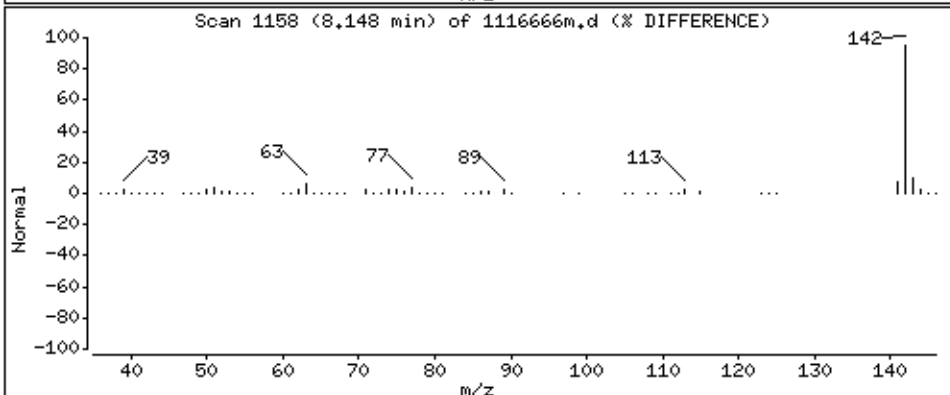
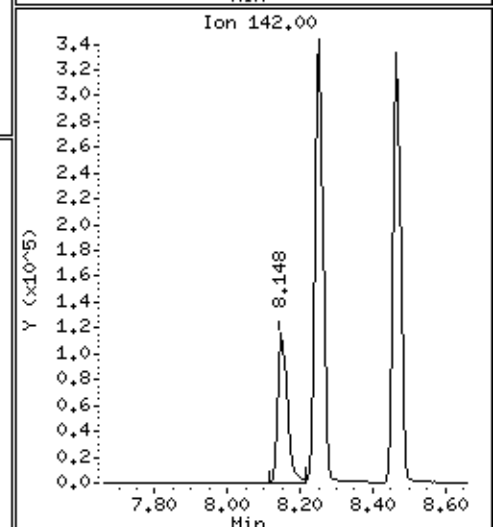
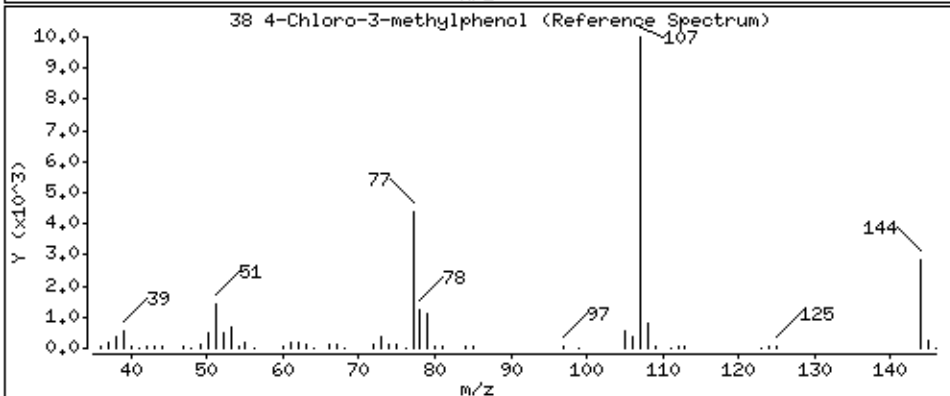
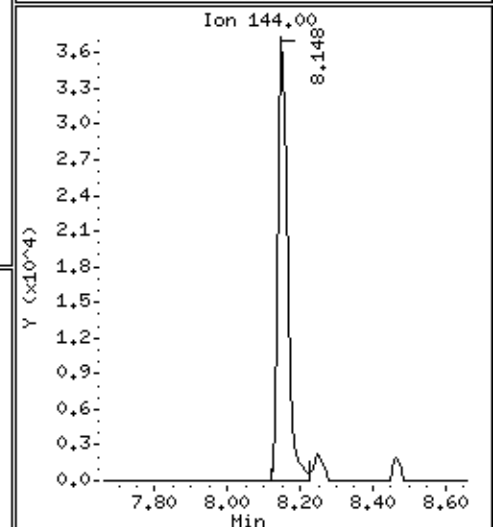
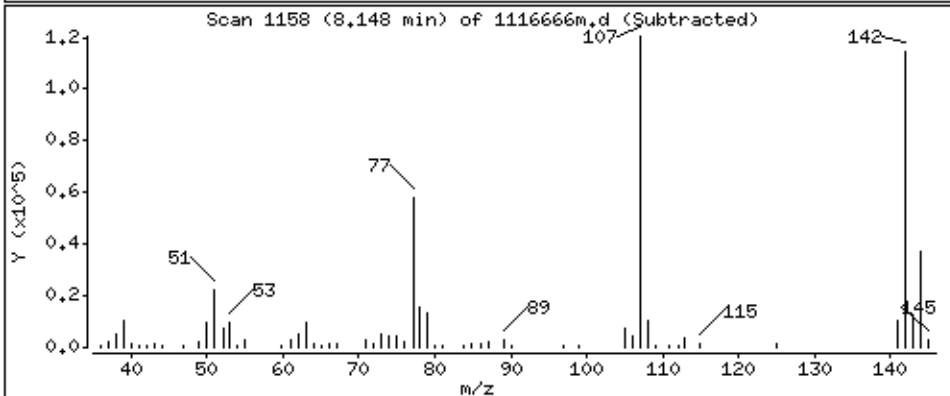
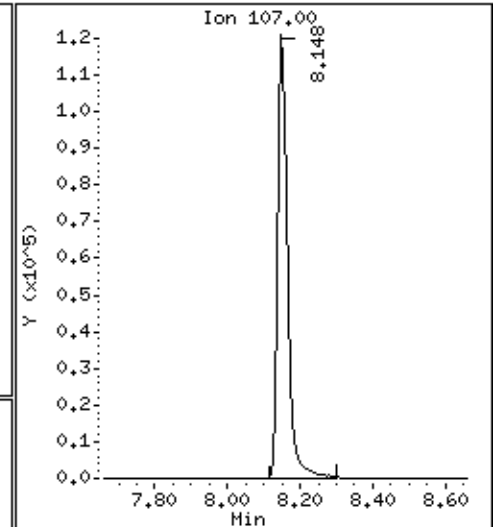
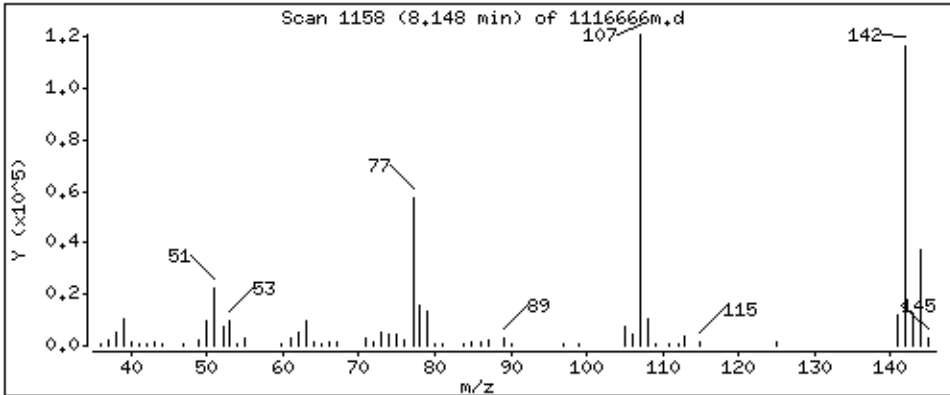
Operator: SN

Column phase: .50um DB-5ms

Column diameter: 0,25

38 4-Chloro-3-methylphenol

Concentration: 2268 ug/Kg



Date : 25-JUN-2014 14:27

Client ID: P-4 (5-7)MS

Instrument: 50MSS2.i

Sample Info: 1116666

Volume Injected (uL): 1.0

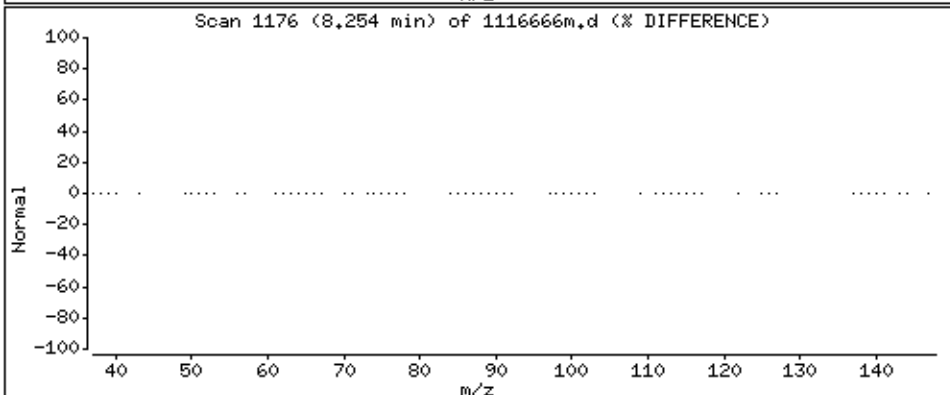
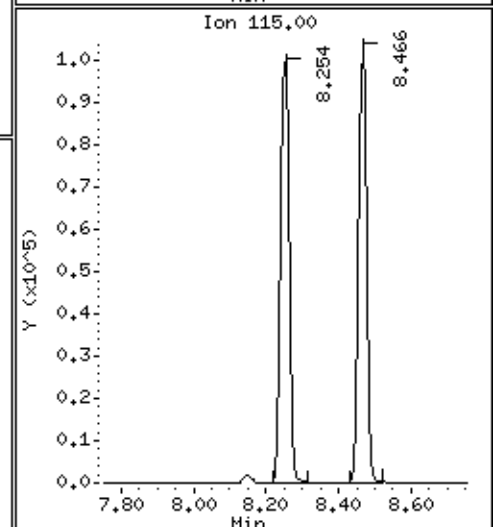
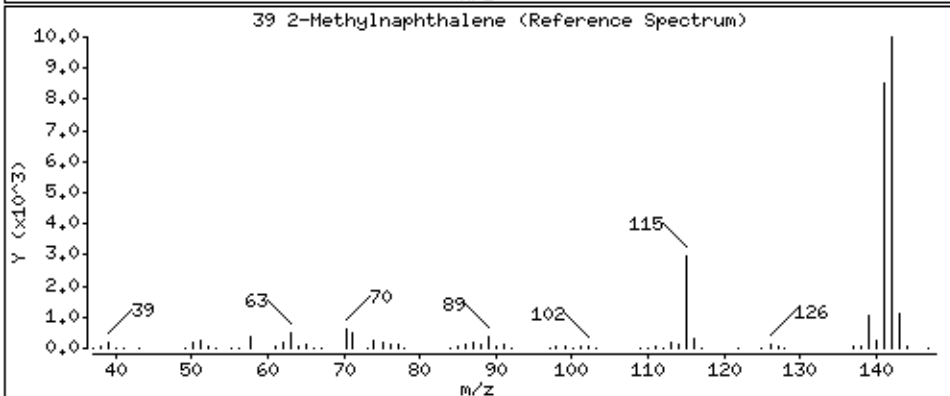
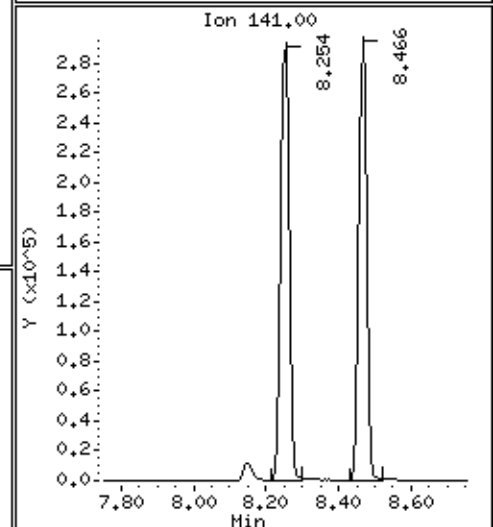
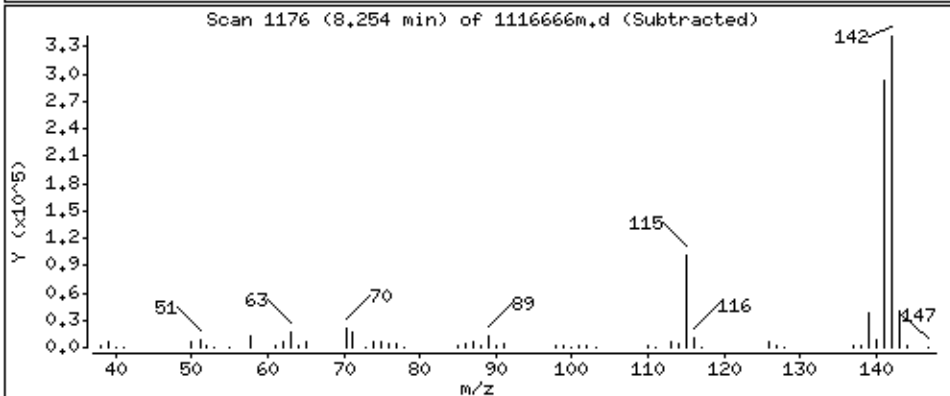
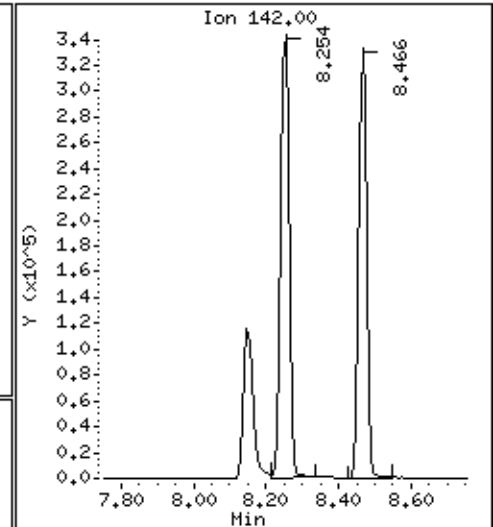
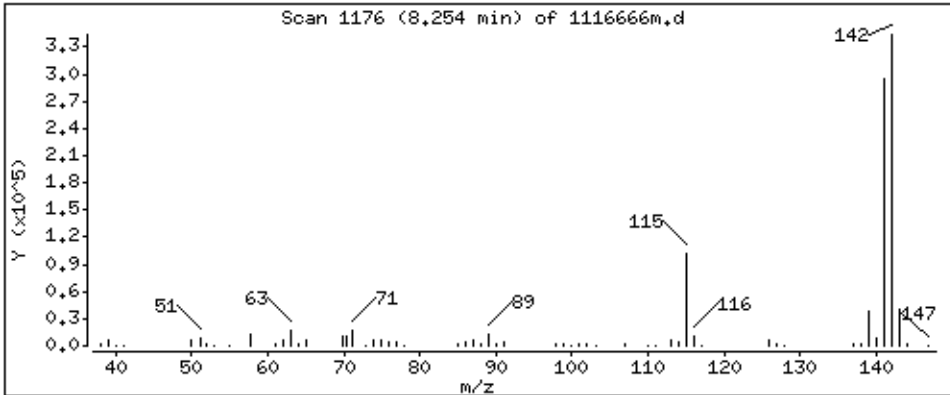
Operator: SN

Column phase: .50um DB-5ms

Column diameter: 0,25

39 2-Methylnaphthalene

Concentration: 2107 ug/Kg



Date : 25-JUN-2014 14:27

Client ID: P-4 (5-7)MS

Instrument: 50MSS2.i

Sample Info: 1116666

Volume Injected (uL): 1.0

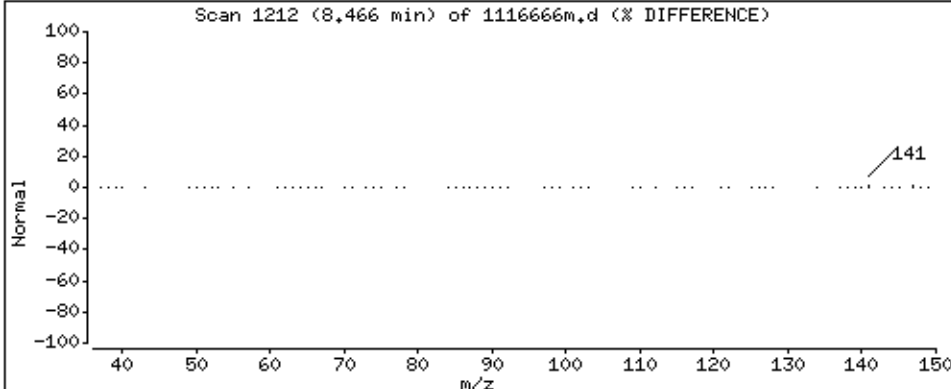
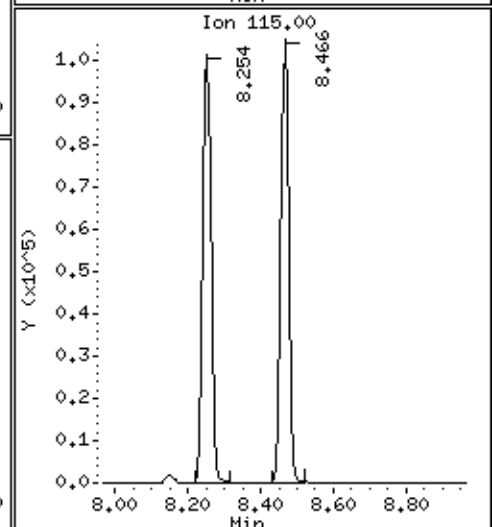
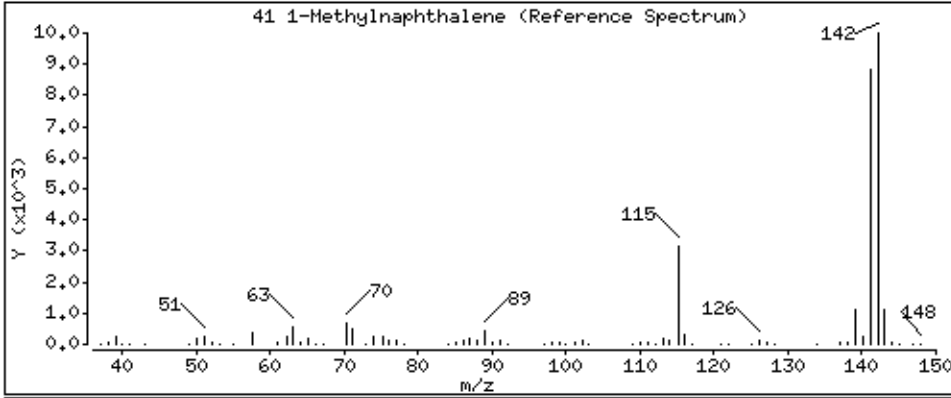
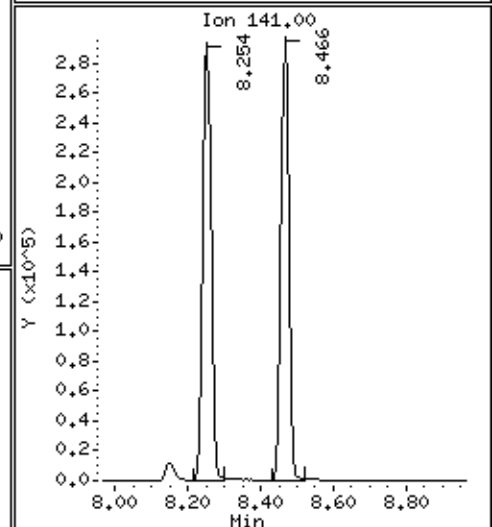
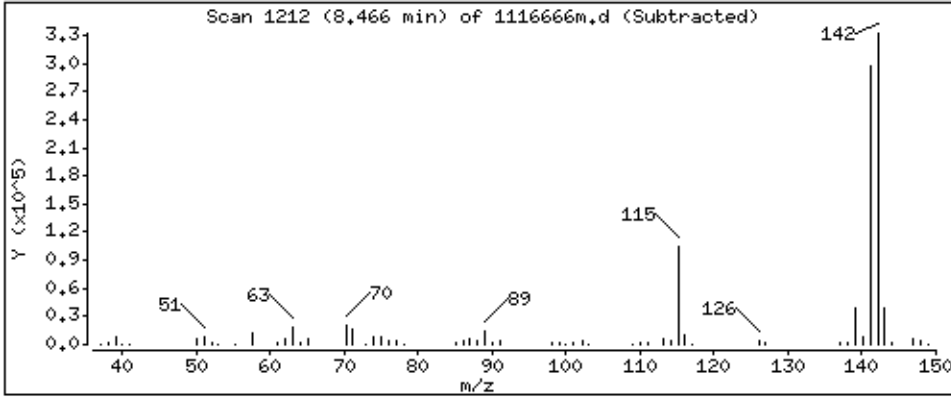
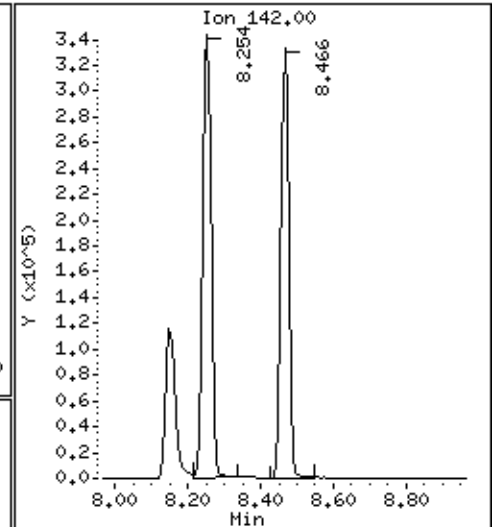
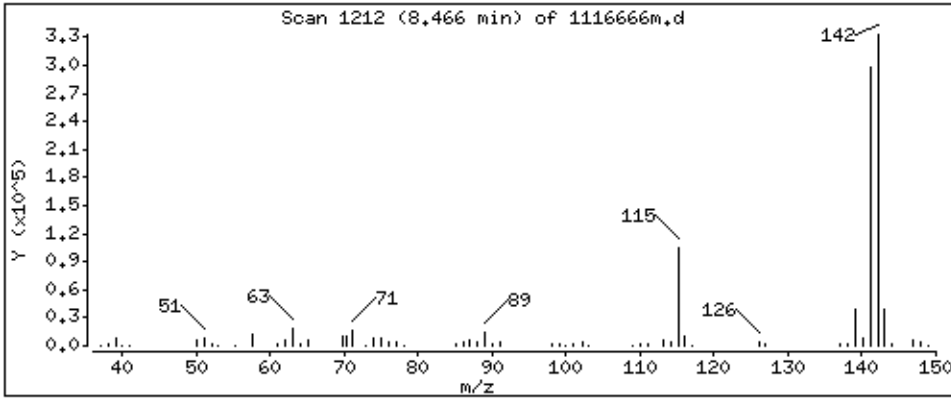
Operator: SN

Column phase: .50um DB-5ms

Column diameter: 0,25

41 1-Methylnaphthalene

Concentration: 1931 ug/Kg



Date : 25-JUN-2014 14:27

Client ID: P-4 (5-7)MS

Instrument: 50MSS2.i

Sample Info: 1116666

Volume Injected (uL): 1.0

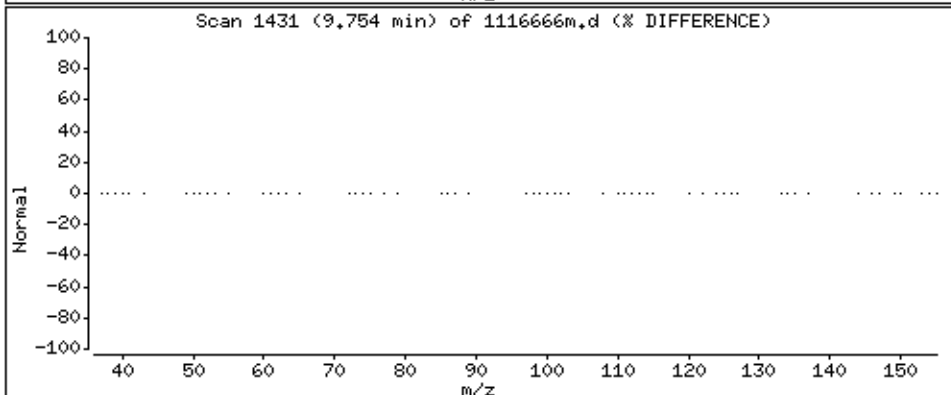
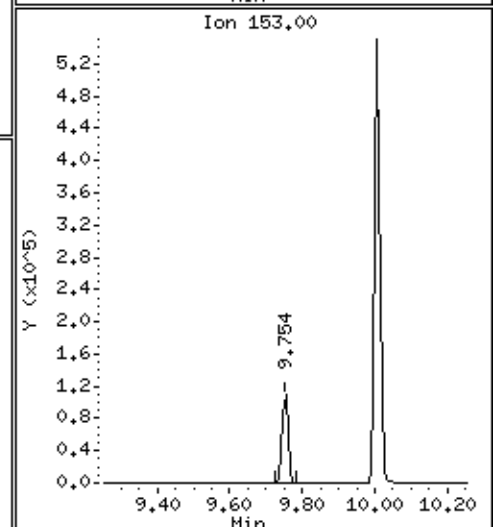
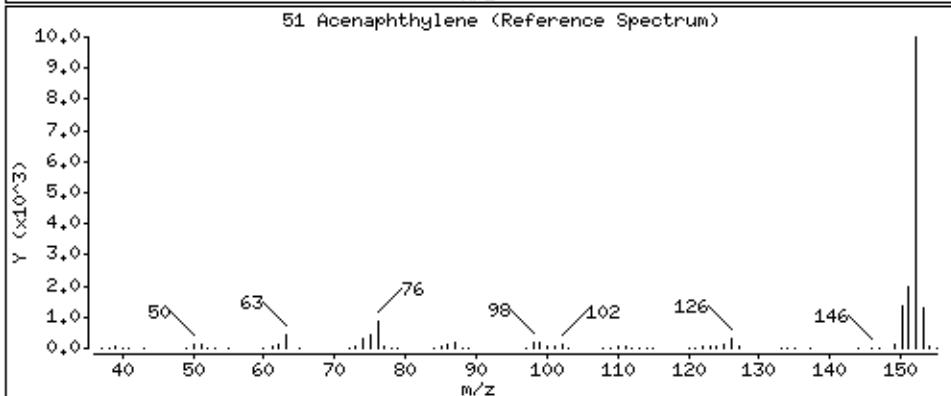
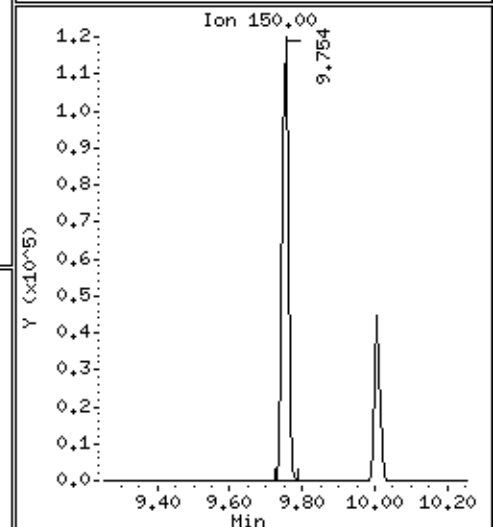
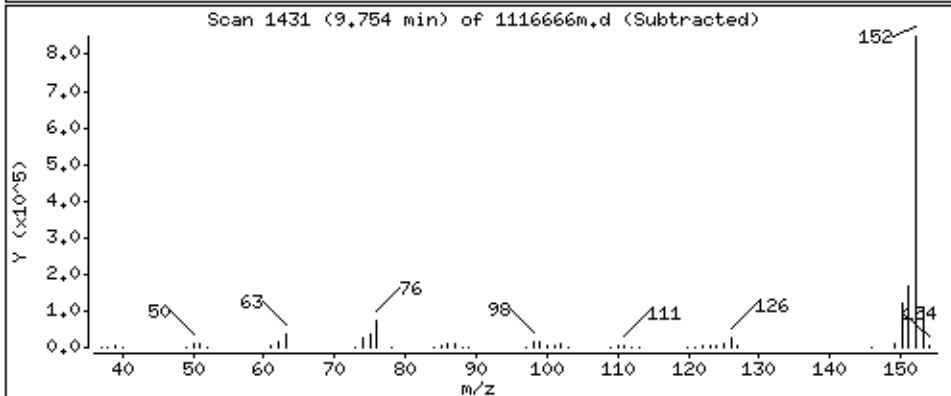
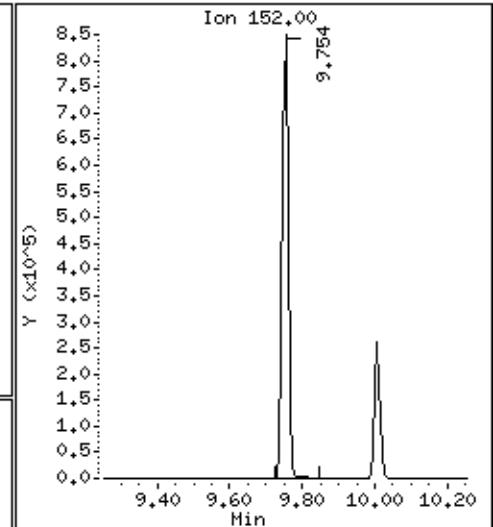
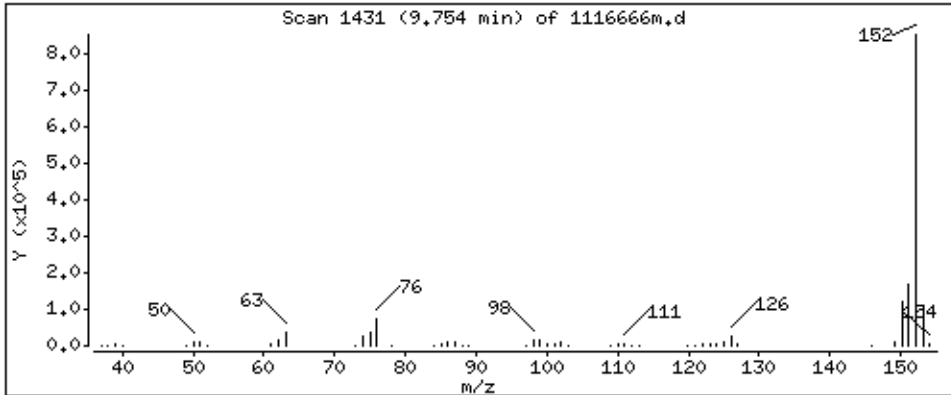
Operator: SN

Column phase: .50um DB-5ms

Column diameter: 0,25

51 Acenaphthylene

Concentration: 2221 ug/Kg



Date : 25-JUN-2014 14:27

Client ID: P-4 (5-7)MS

Instrument: 50MSS2.i

Sample Info: 1116666

Volume Injected (uL): 1.0

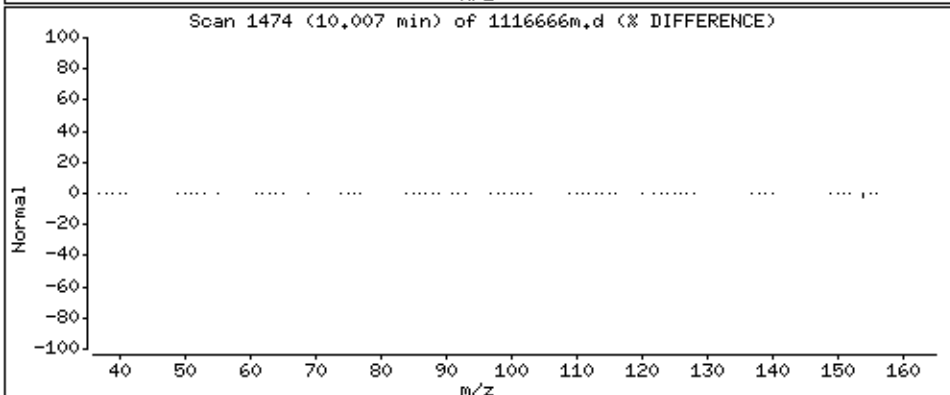
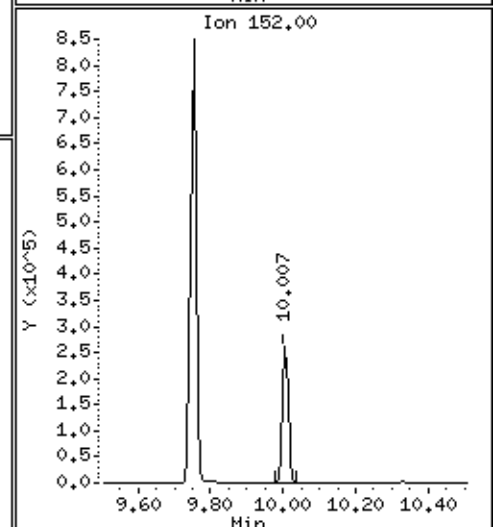
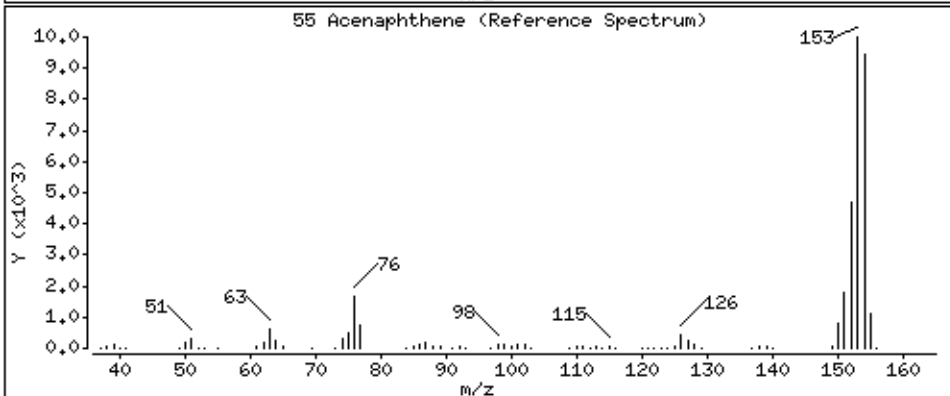
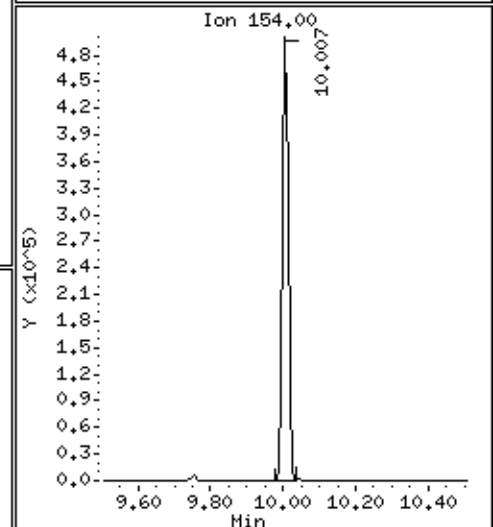
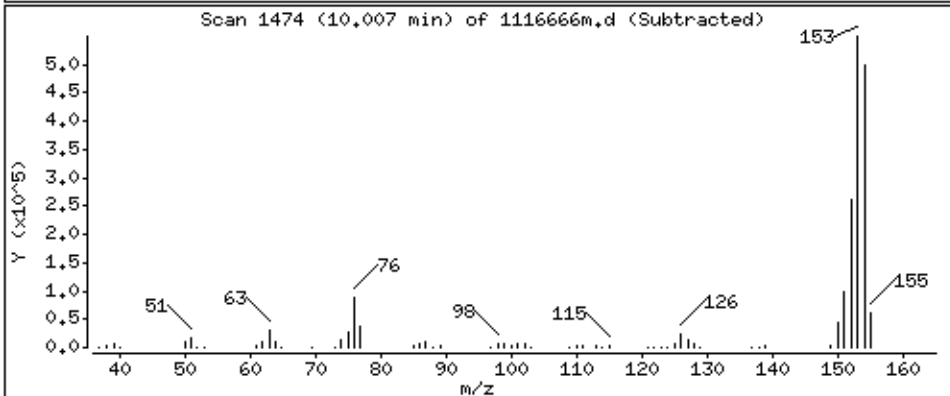
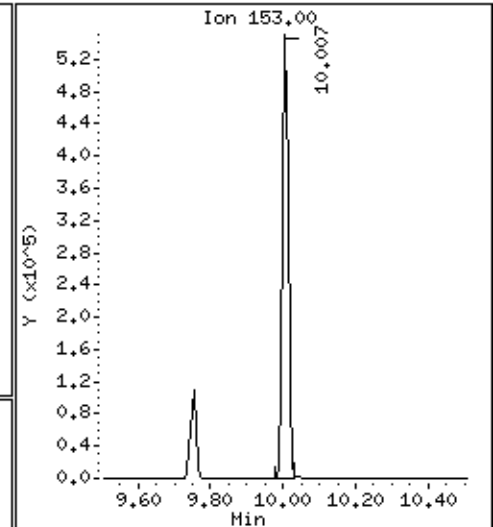
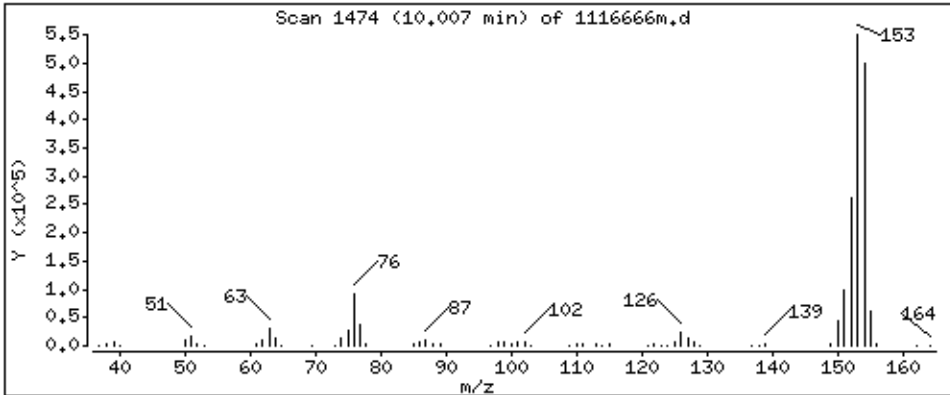
Operator: SN

Column phase: .50um DB-5ms

Column diameter: 0,25

55 Acenaphthene

Concentration: 2196 ug/Kg



Date : 25-JUN-2014 14:27

Client ID: P-4 (5-7)MS

Instrument: 50MSS2.i

Sample Info: 1116666

Volume Injected (uL): 1.0

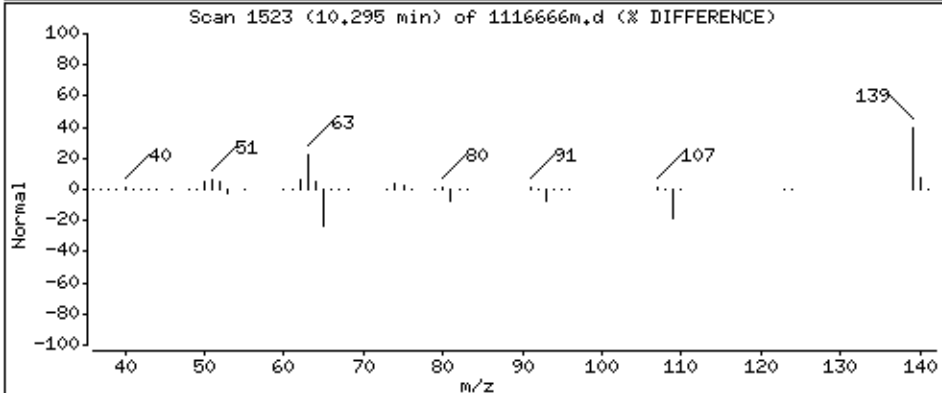
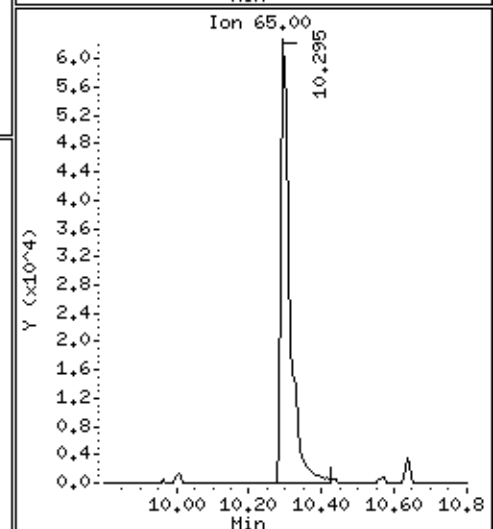
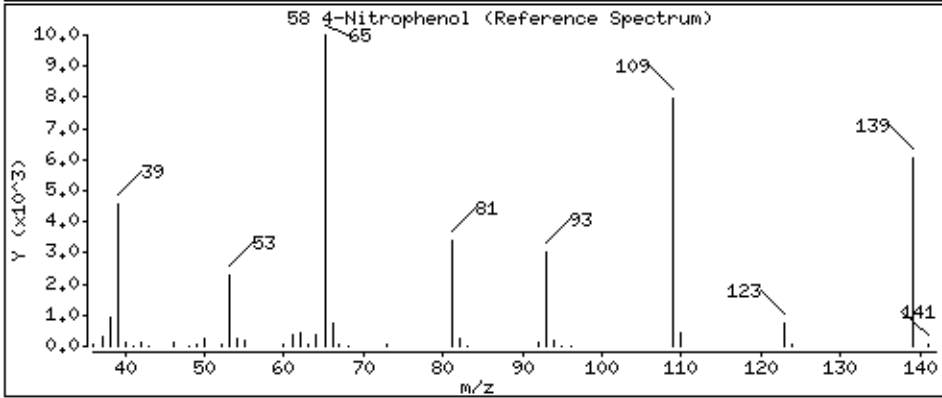
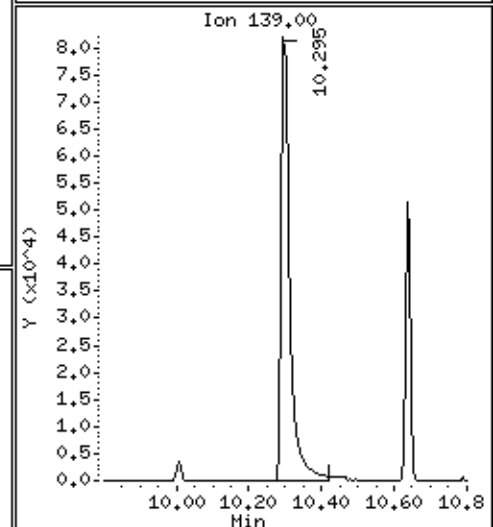
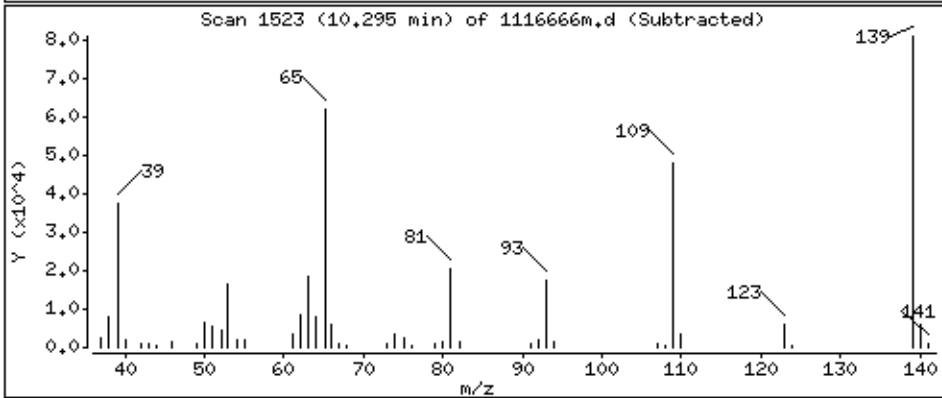
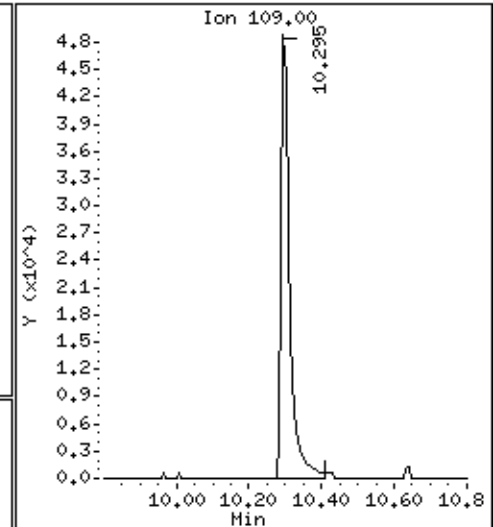
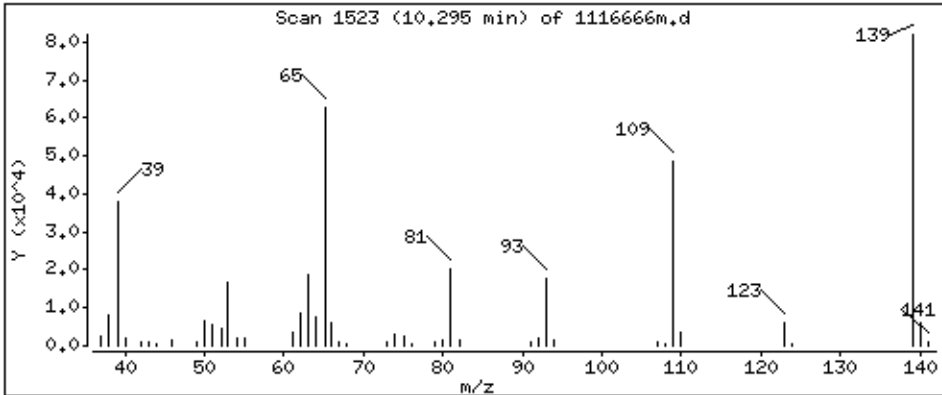
Operator: SN

Column phase: .50um DB-5ms

Column diameter: 0,25

58 4-Nitrophenol

Concentration: 2330 ug/Kg



Date : 25-JUN-2014 14:27

Client ID: P-4 (5-7)MS

Instrument: 50MSS2.i

Sample Info: 1116666

Volume Injected (uL): 1.0

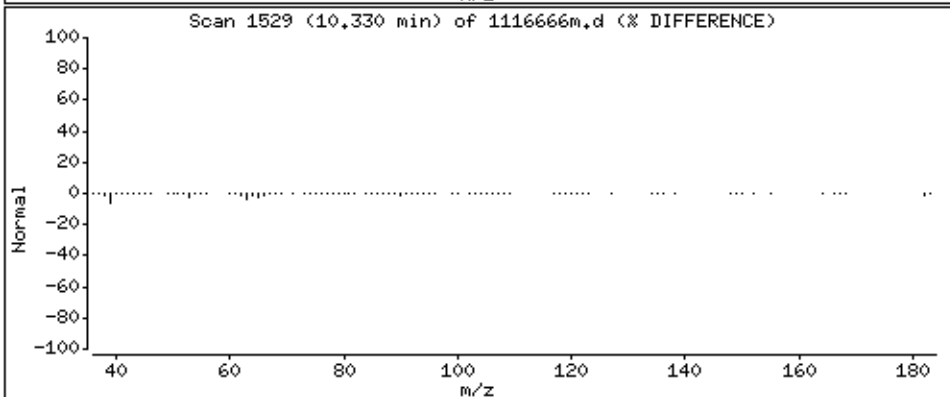
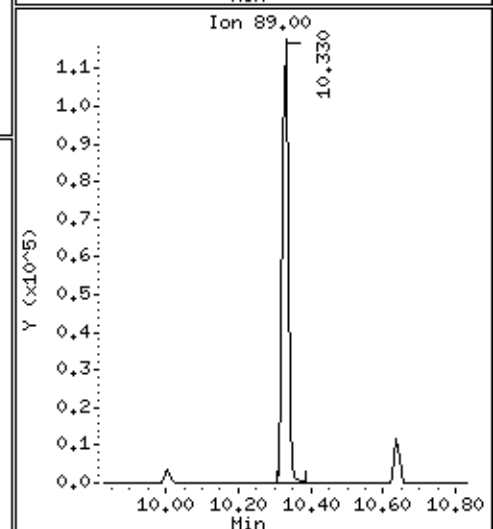
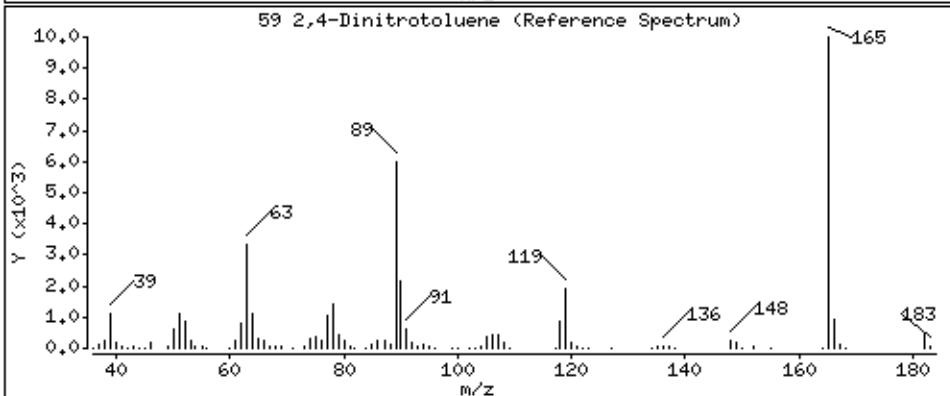
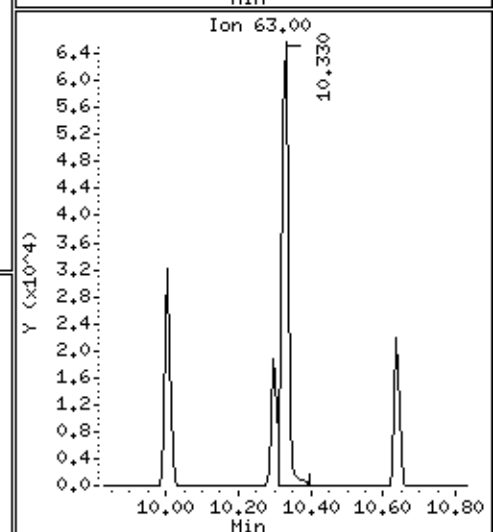
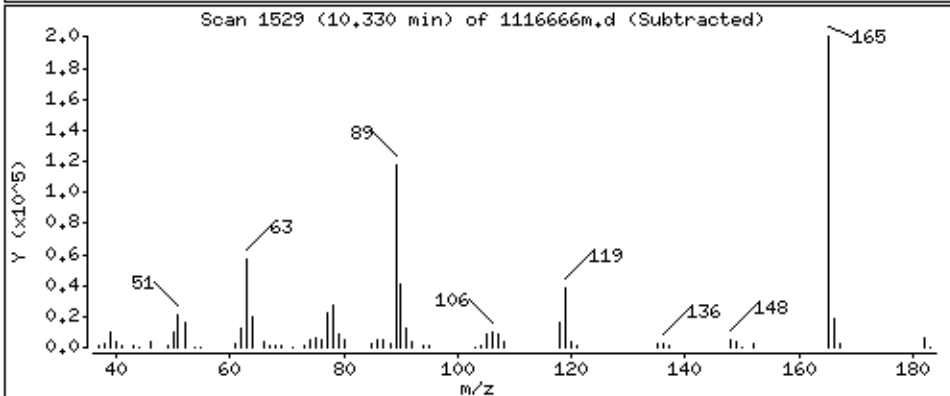
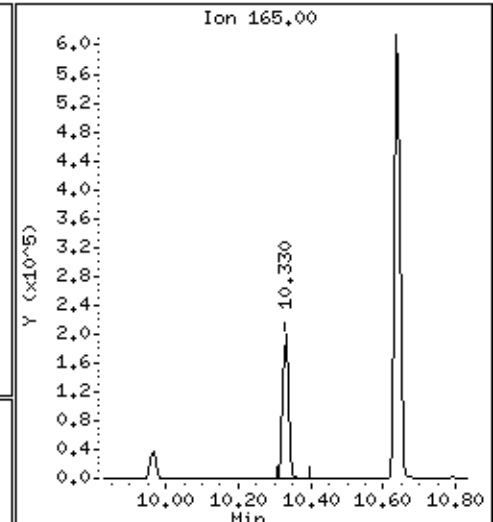
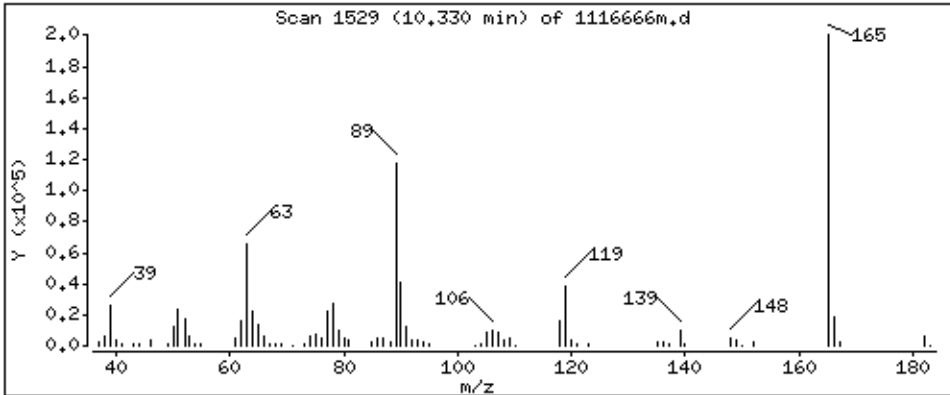
Operator: SN

Column phase: .50um DB-5ms

Column diameter: 0,25

59 2,4-Dinitrotoluene

Concentration: 2396 ug/Kg



Date : 25-JUN-2014 14:27

Client ID: P-4 (5-7)MS

Instrument: 50MSS2.i

Sample Info: 1116666

Volume Injected (uL): 1.0

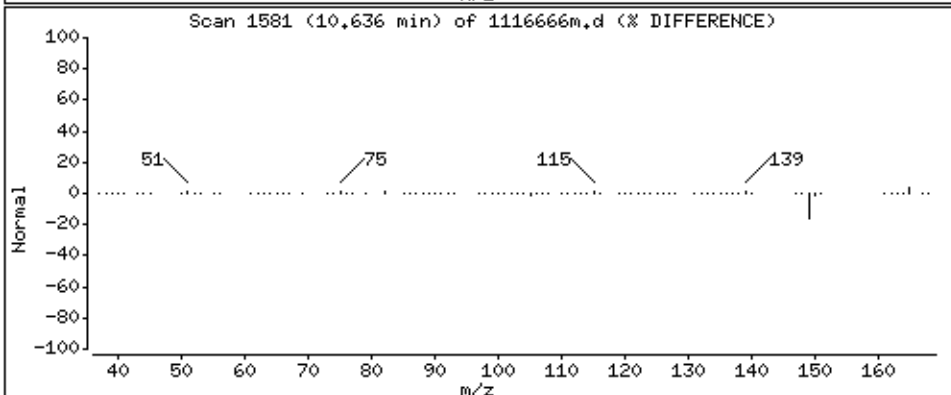
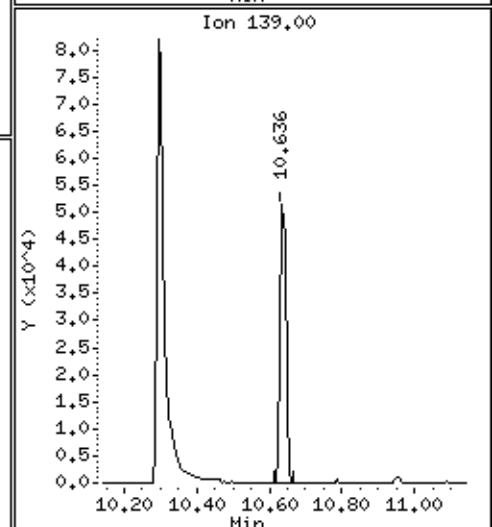
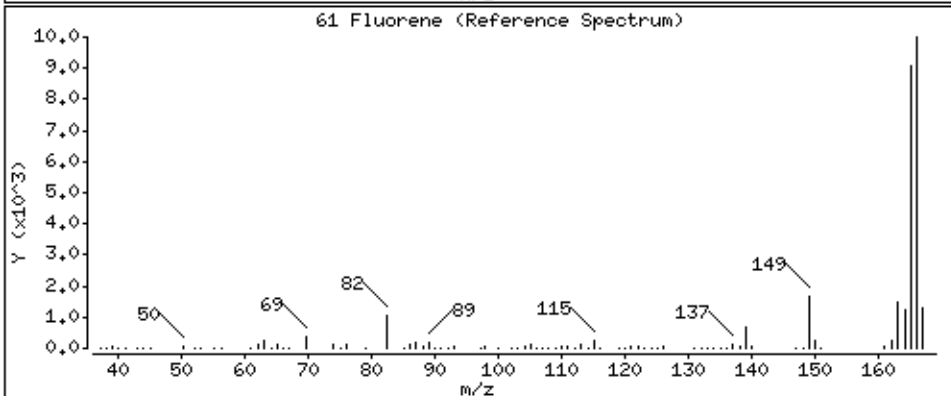
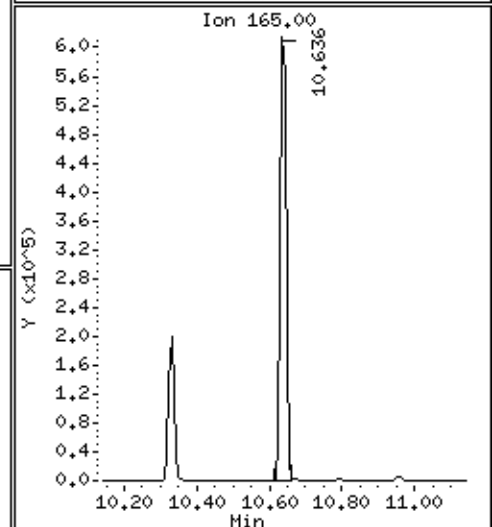
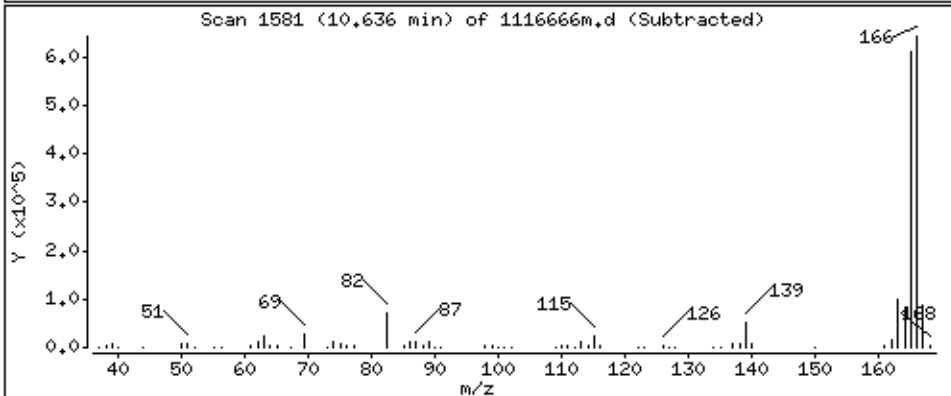
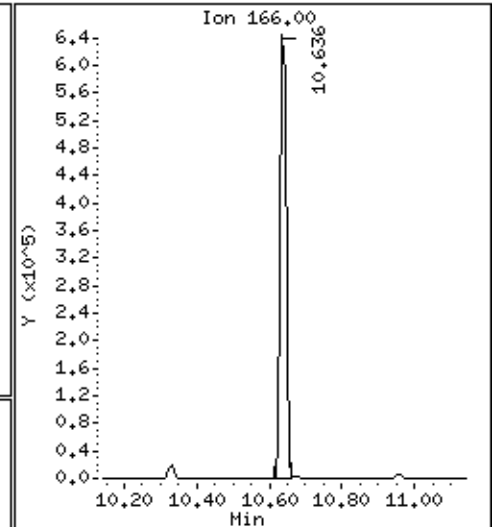
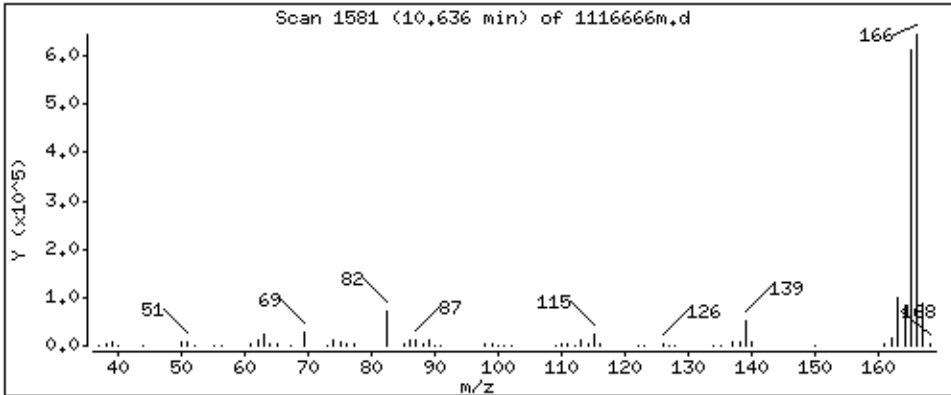
Operator: SN

Column phase: .50um DB-5ms

Column diameter: 0,25

61 Fluorene

Concentration: 2306 ug/Kg



Date : 25-JUN-2014 14:27

Client ID: P-4 (5-7)MS

Instrument: 50MSS2.i

Sample Info: 1116666

Volume Injected (uL): 1.0

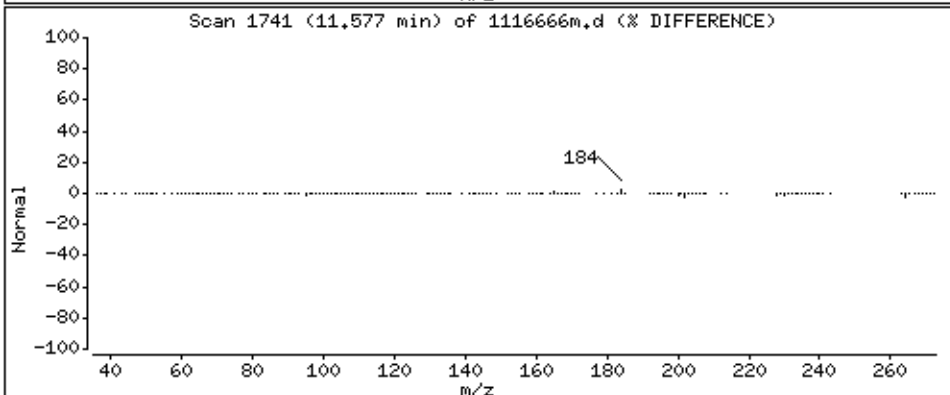
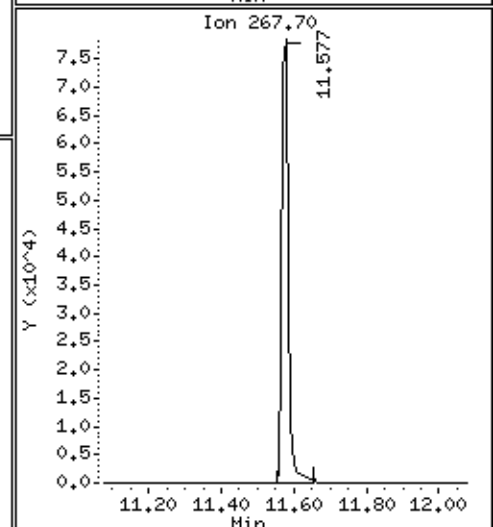
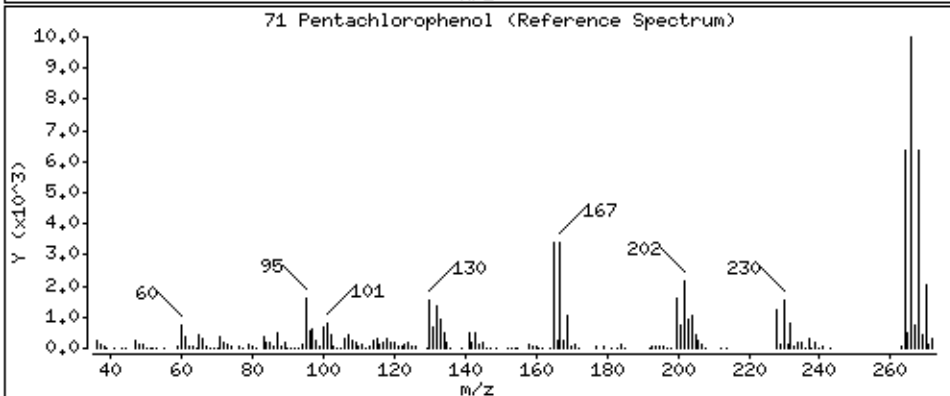
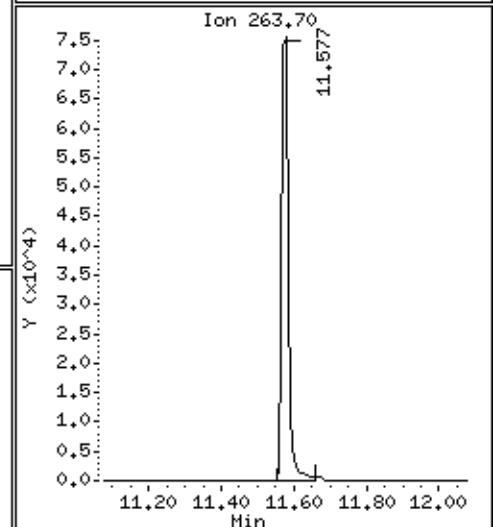
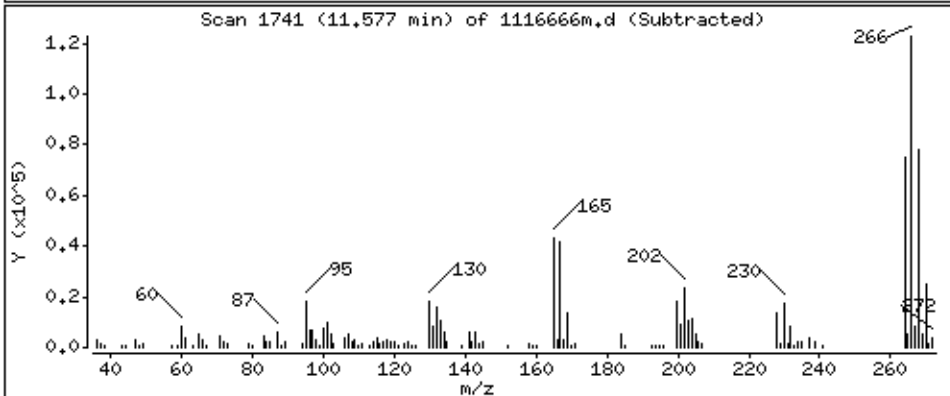
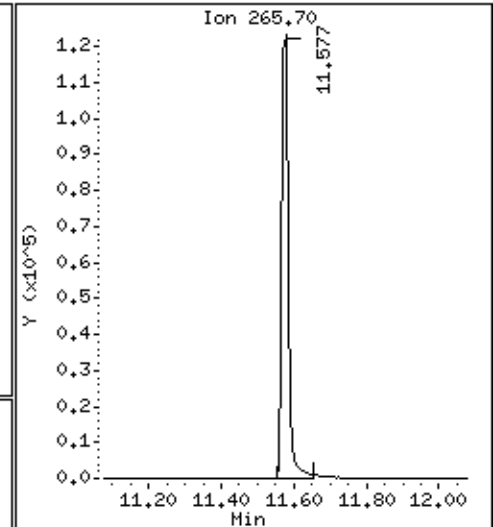
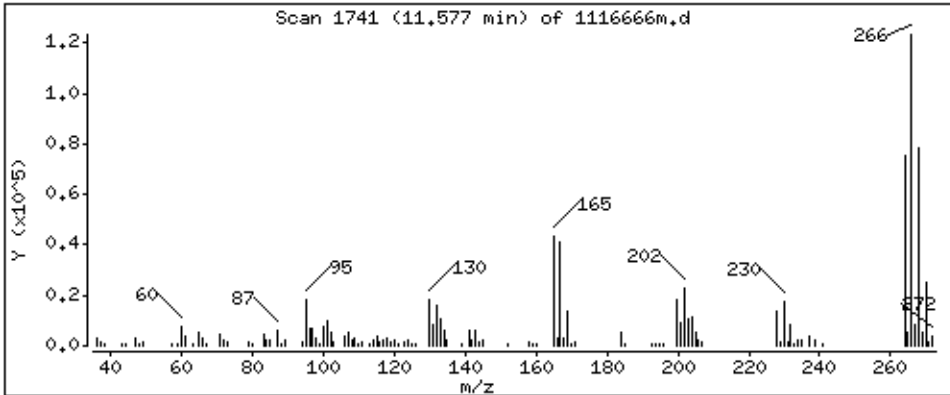
Operator: SN

Column phase: .50um DB-5ms

Column diameter: 0,25

71 Pentachlorophenol

Concentration: 2066 ug/Kg



Date : 25-JUN-2014 14:27

Client ID: P-4 (5-7)MS

Instrument: 50MSS2.i

Sample Info: 1116666

Volume Injected (uL): 1.0

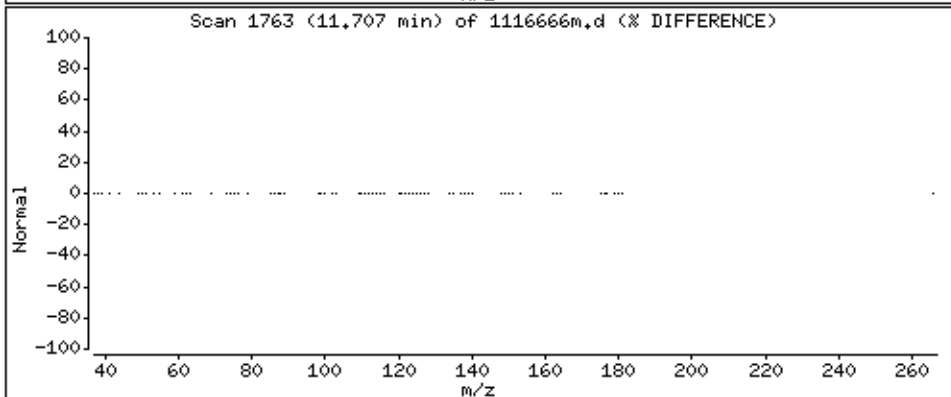
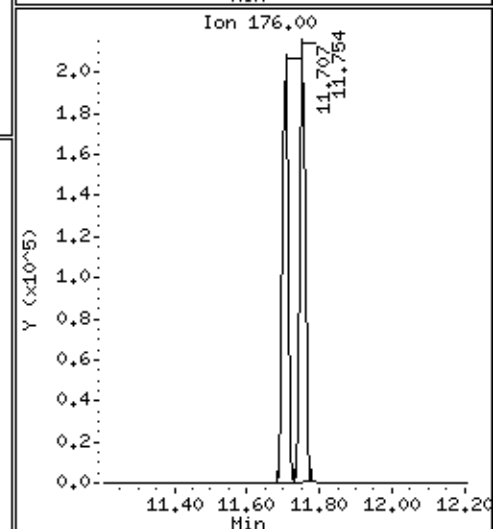
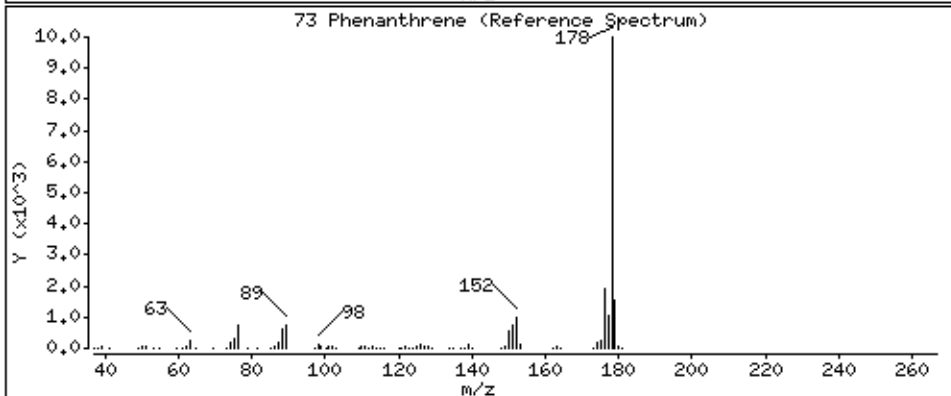
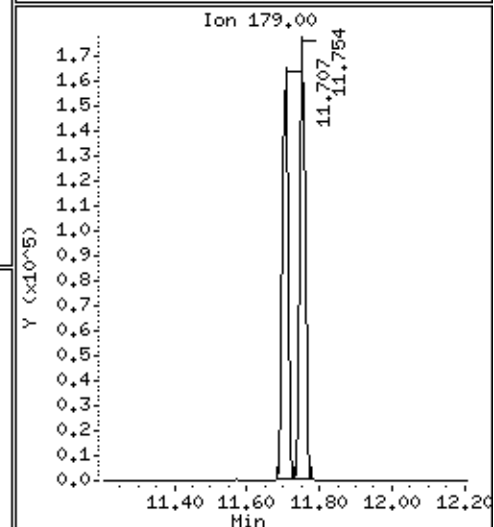
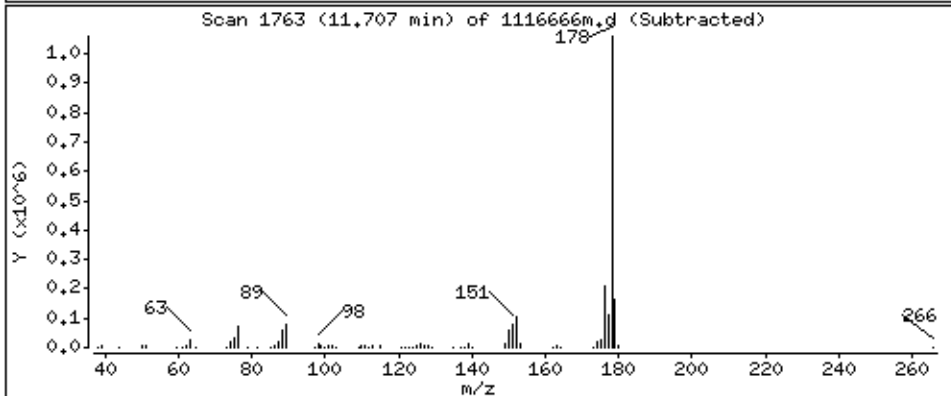
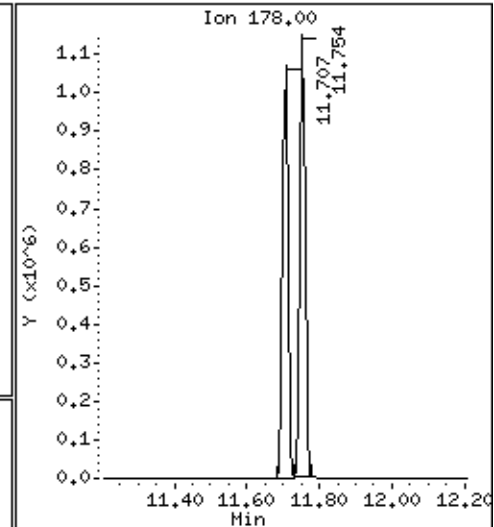
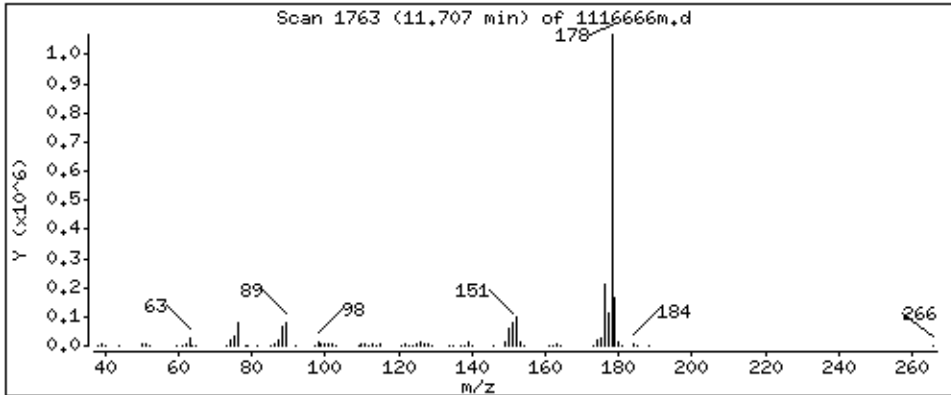
Operator: SN

Column phase: .50um DB-5ms

Column diameter: 0,25

73 Phenanthrene

Concentration: 2253 ug/Kg



Date : 25-JUN-2014 14:27

Client ID: P-4 (5-7)MS

Instrument: 50MSS2.i

Sample Info: 1116666

Volume Injected (uL): 1.0

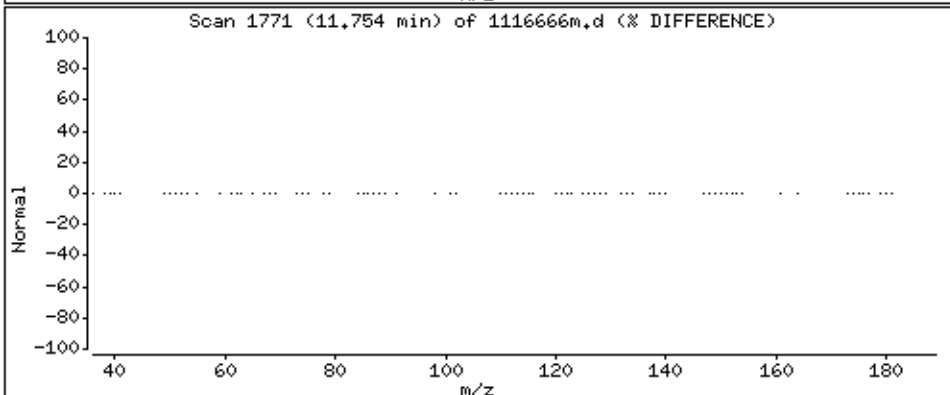
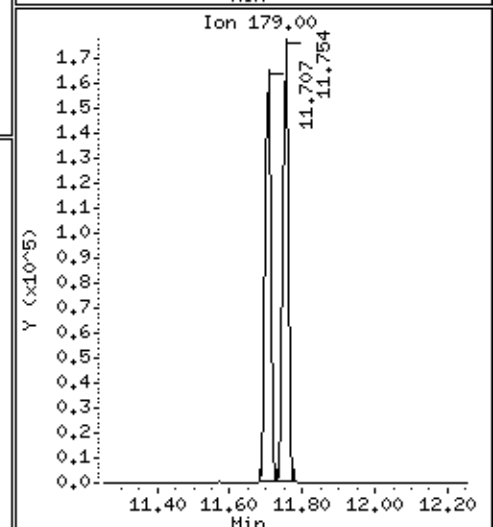
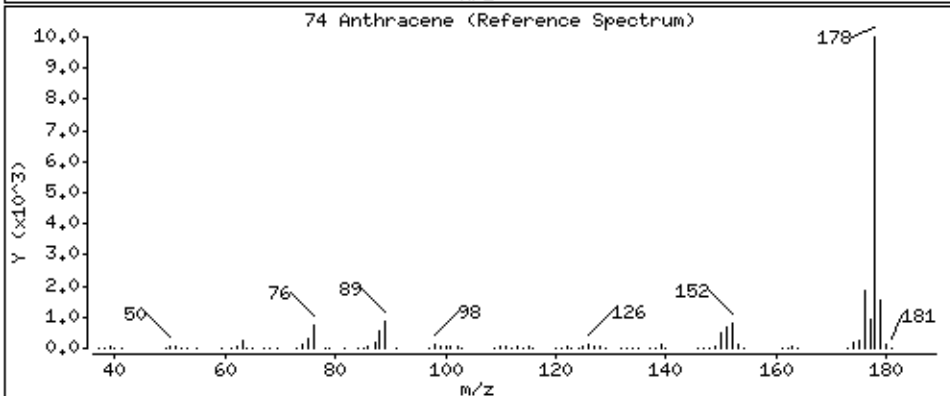
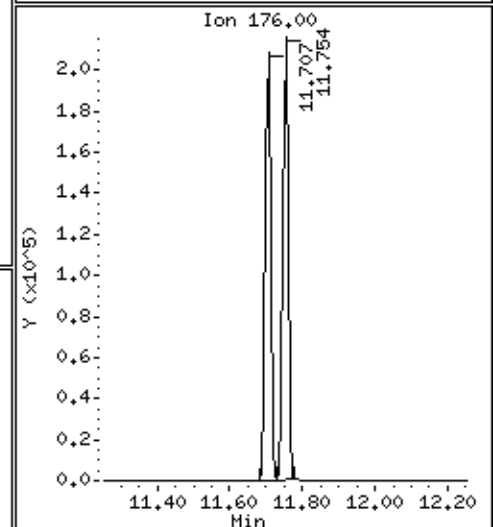
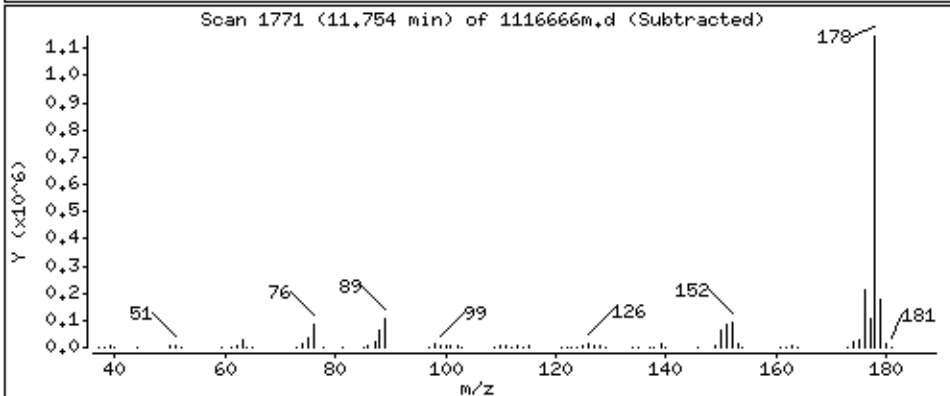
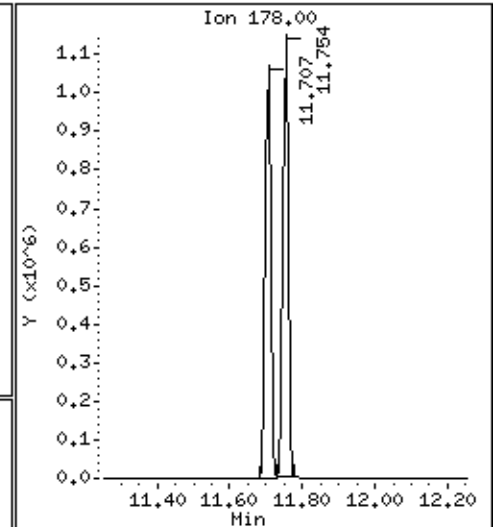
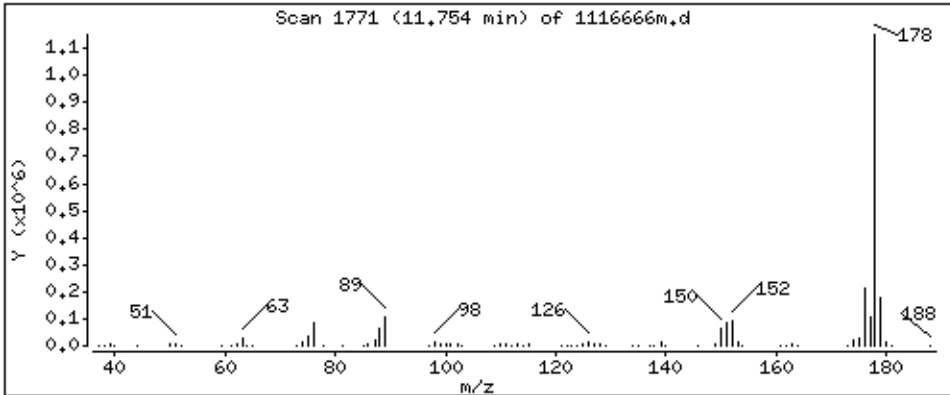
Operator: SN

Column phase: .50um DB-5ms

Column diameter: 0,25

74 Anthracene

Concentration: 2297 ug/Kg



Date : 25-JUN-2014 14:27

Client ID: P-4 (5-7)MS

Instrument: 50MSS2.i

Sample Info: 1116666

Volume Injected (uL): 1.0

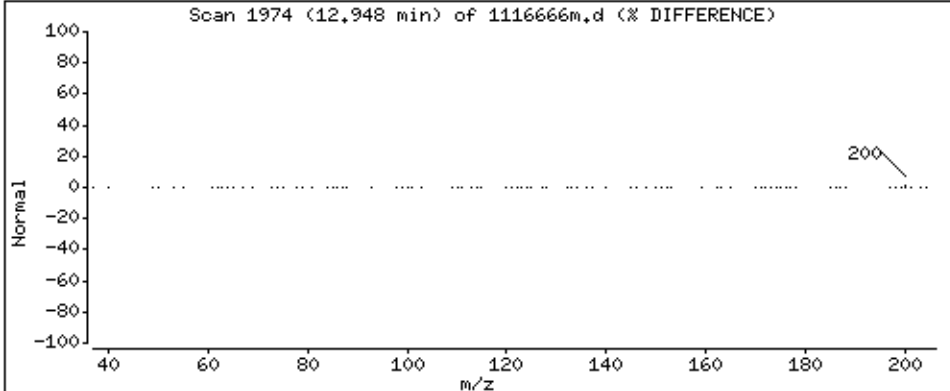
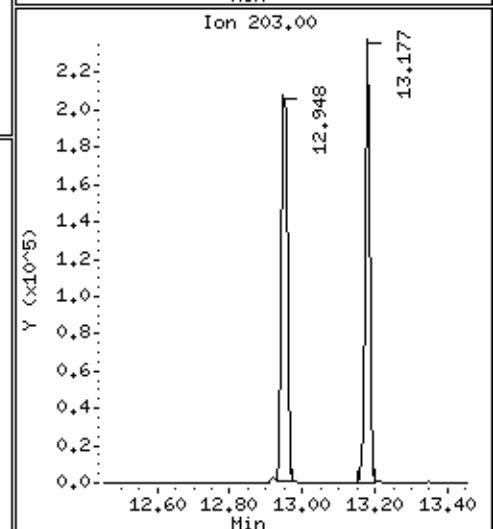
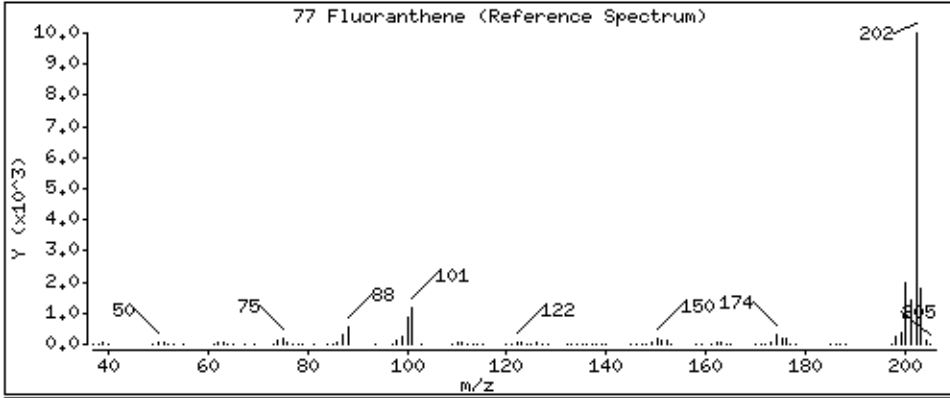
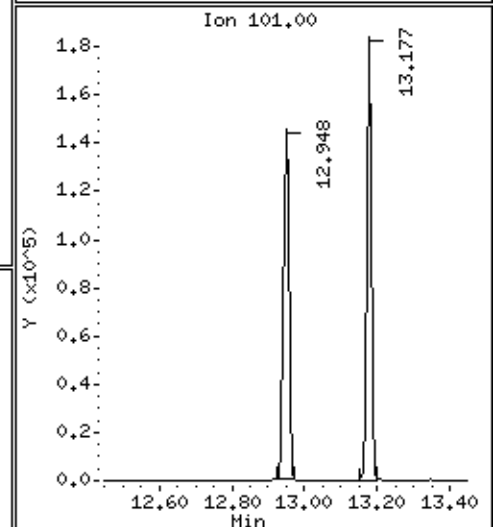
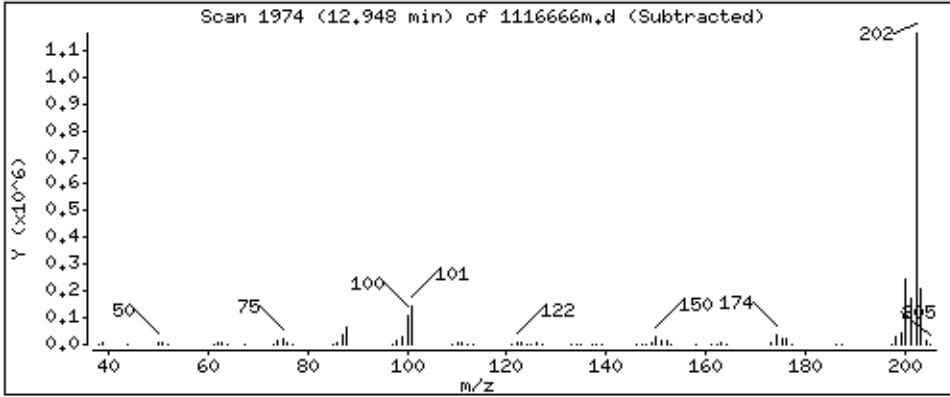
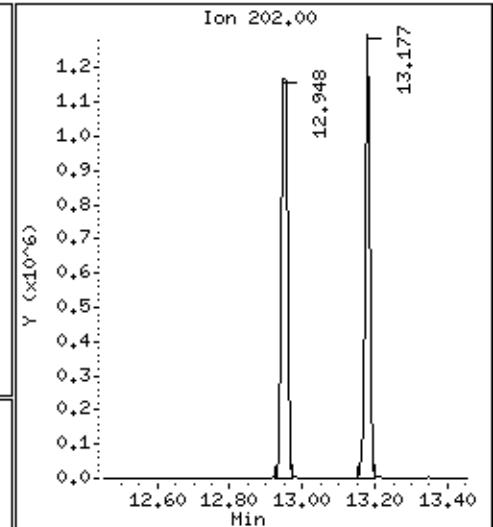
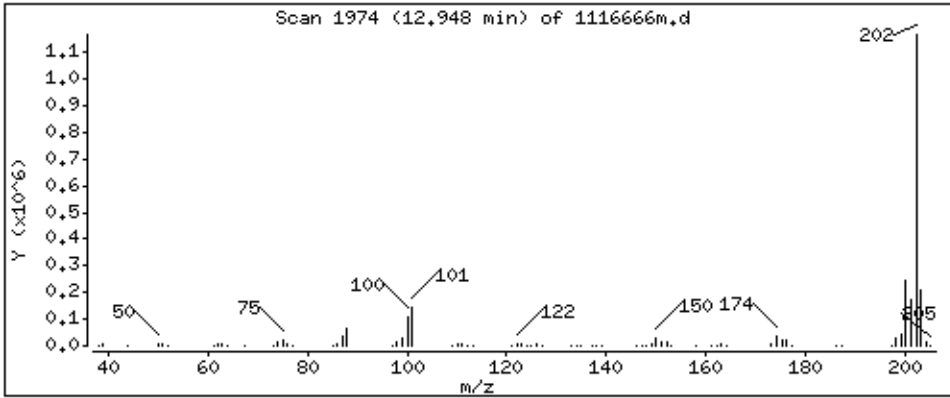
Operator: SN

Column phase: .50um DB-5ms

Column diameter: 0,25

77 Fluoranthene

Concentration: 2360 ug/Kg



Date : 25-JUN-2014 14:27

Client ID: P-4 (5-7)MS

Instrument: 50MSS2.i

Sample Info: 1116666

Volume Injected (uL): 1.0

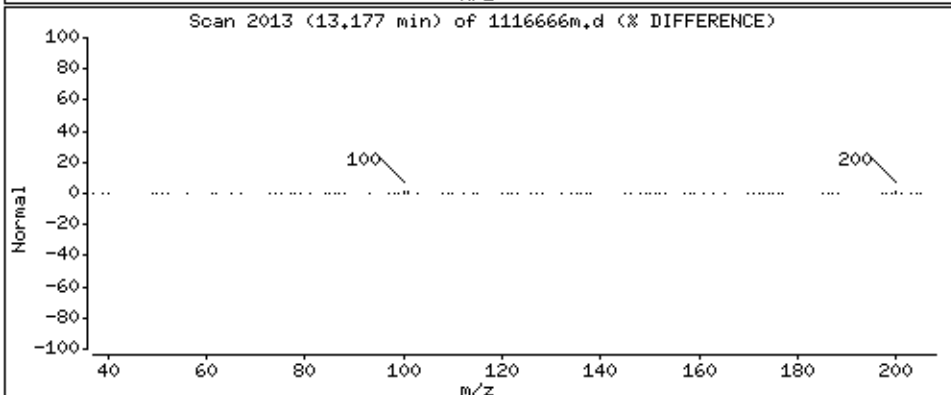
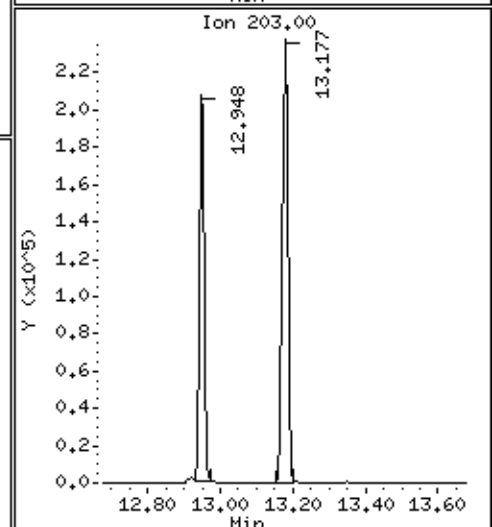
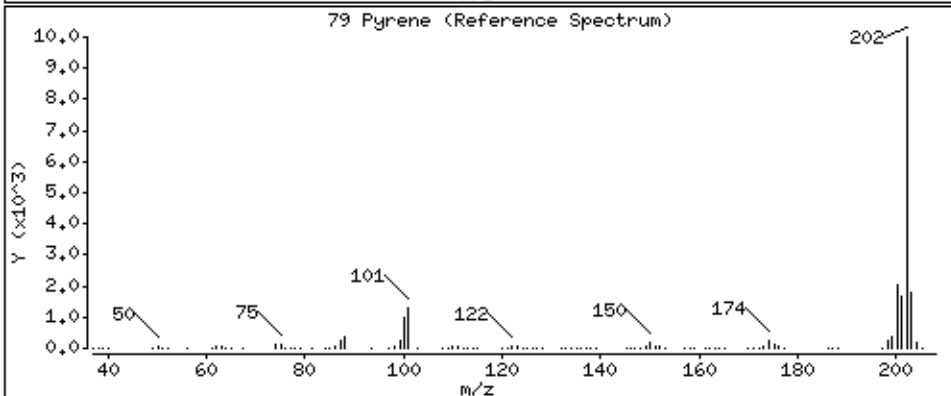
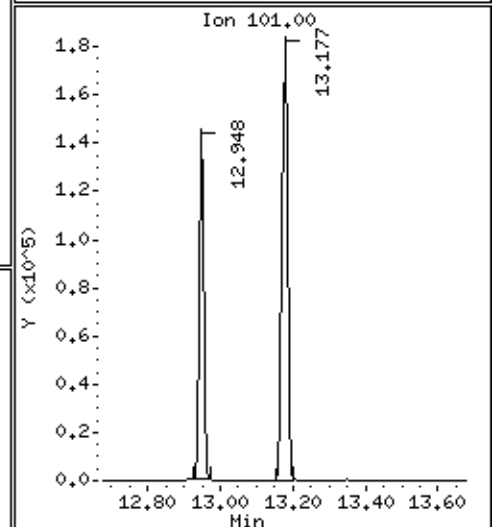
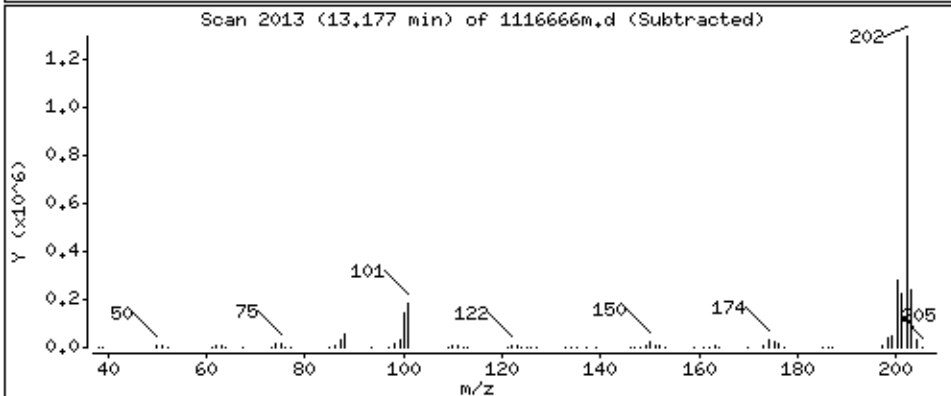
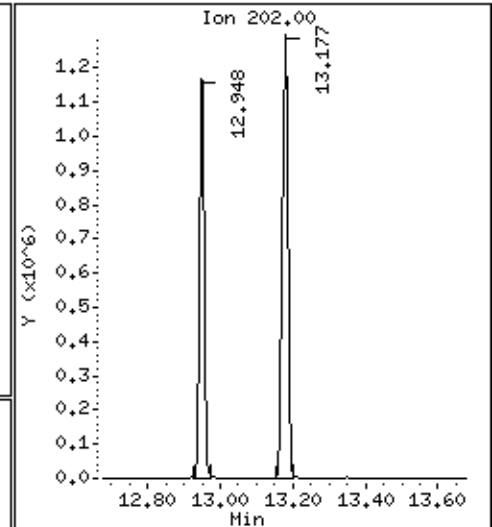
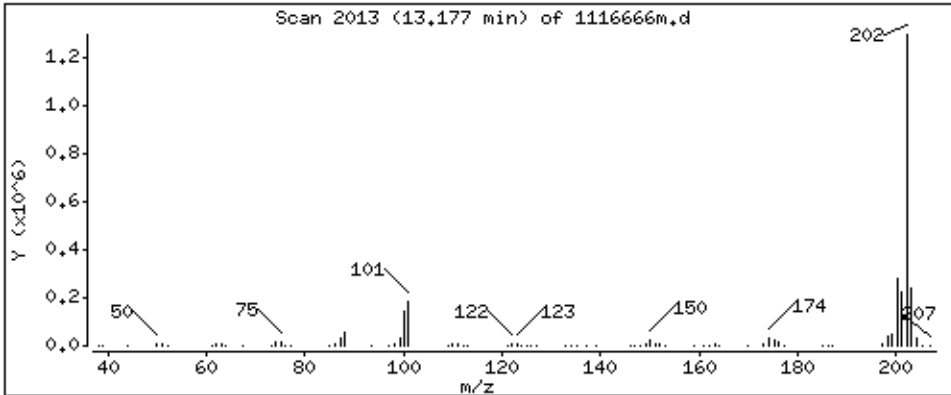
Operator: SN

Column phase: .50um DB-5ms

Column diameter: 0,25

79 Pyrene

Concentration: 2371 ug/Kg



Date : 25-JUN-2014 14:27

Client ID: P-4 (5-7)MS

Instrument: 50MSS2.i

Sample Info: 1116666

Volume Injected (uL): 1.0

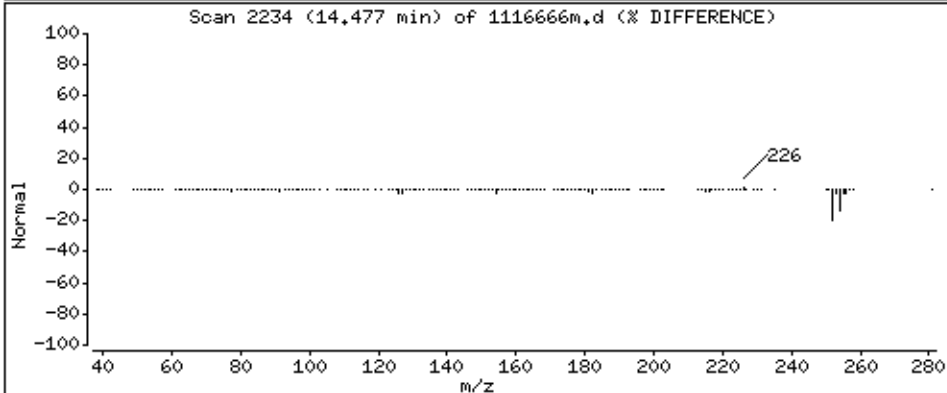
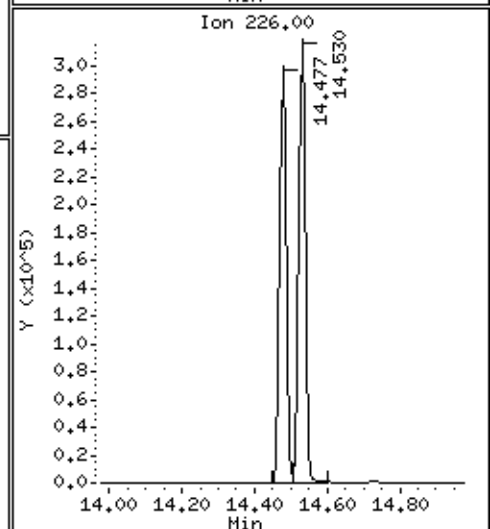
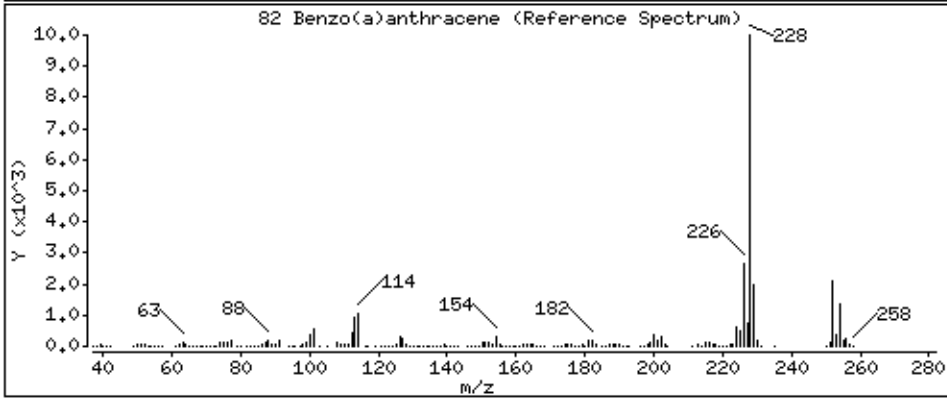
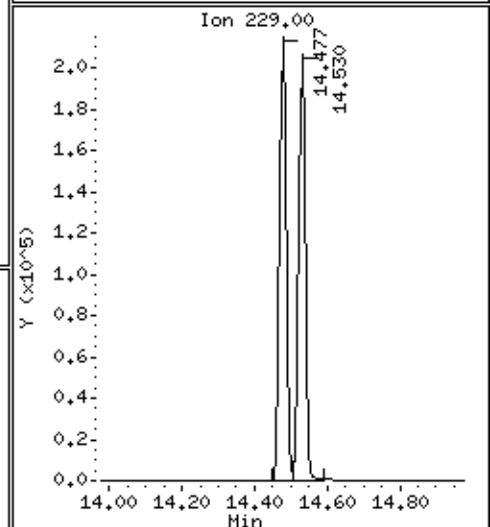
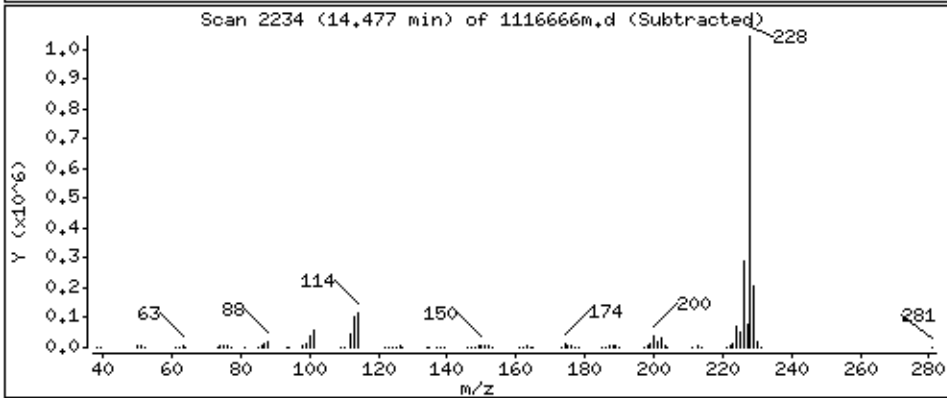
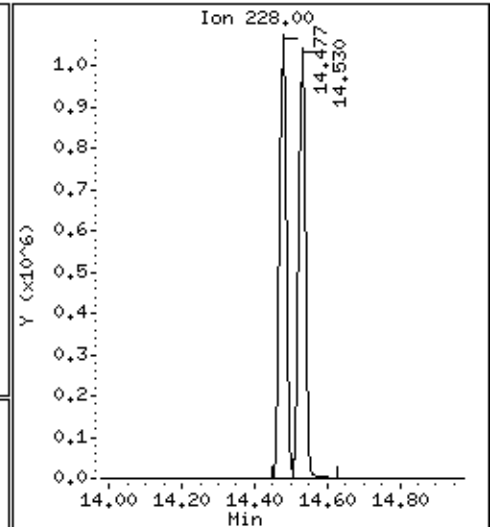
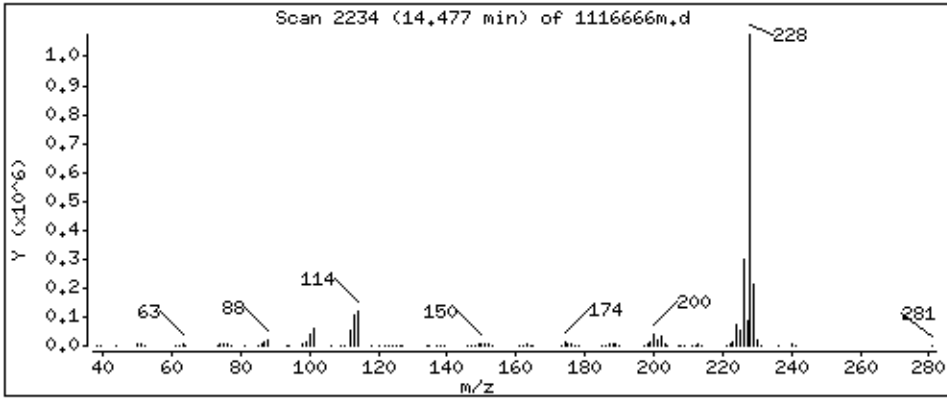
Operator: SN

Column phase: .50um DB-5ms

Column diameter: 0,25

82 Benzo(a)anthracene

Concentration: 2243 ug/Kg



Date : 25-JUN-2014 14:27

Client ID: P-4 (5-7)MS

Instrument: 50MSS2.i

Sample Info: 1116666

Volume Injected (uL): 1.0

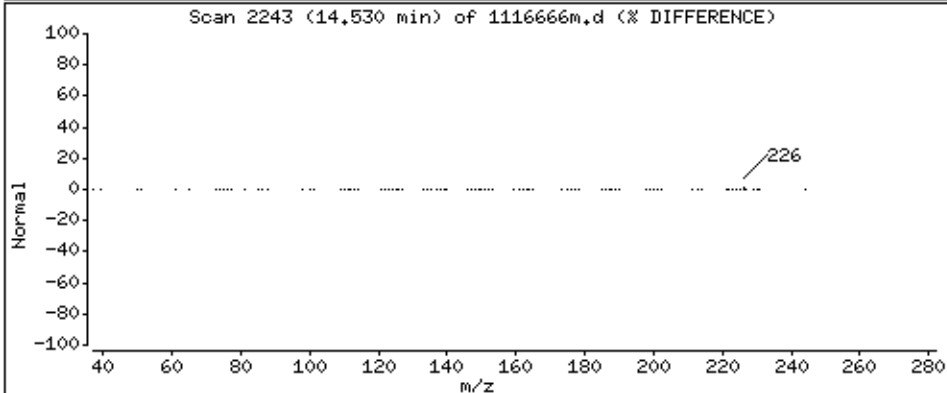
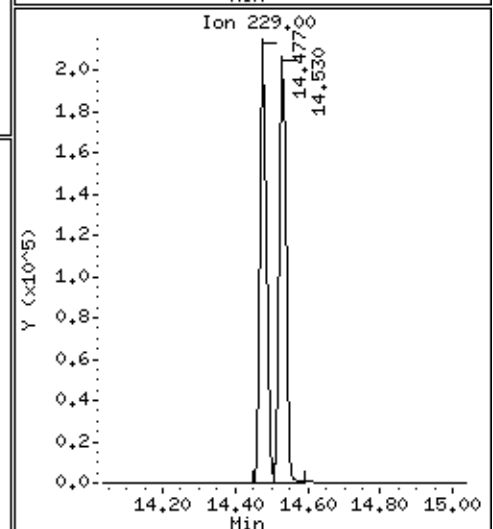
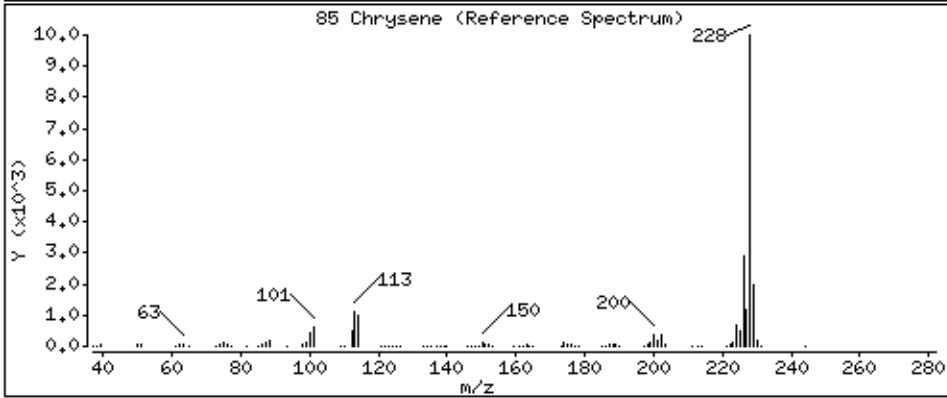
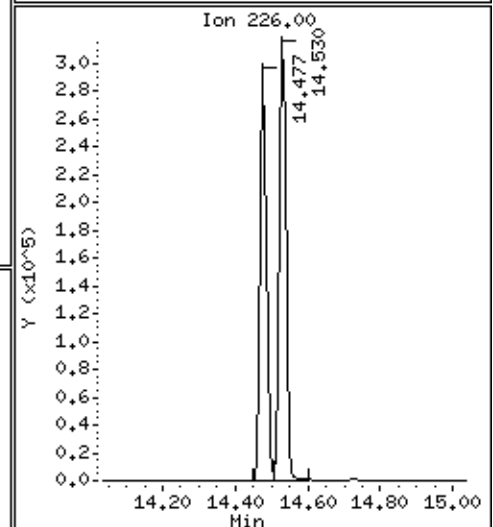
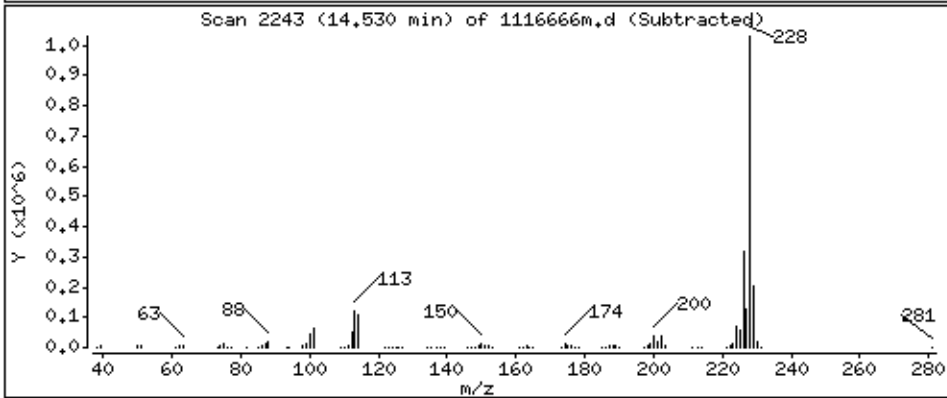
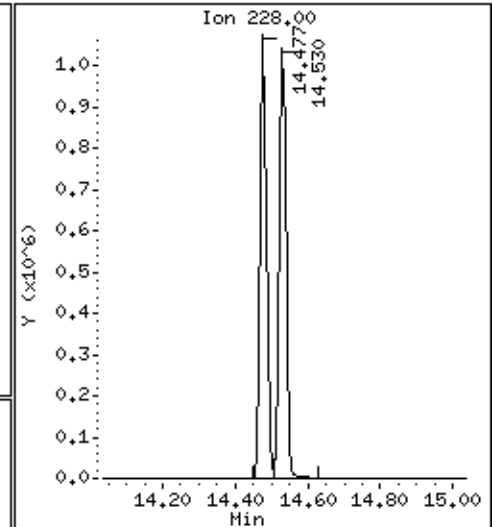
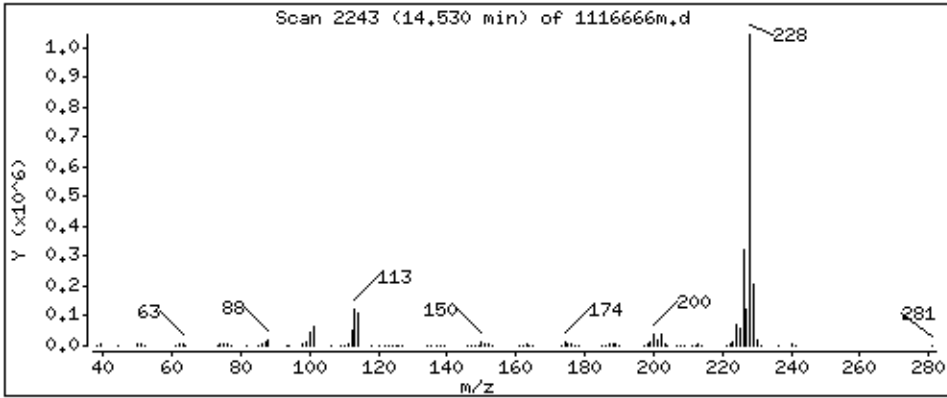
Operator: SN

Column phase: .50um DB-5ms

Column diameter: 0,25

85 Chrysene

Concentration: 2312 ug/Kg



Date : 25-JUN-2014 14:27

Client ID: P-4 (5-7)MS

Instrument: 50MSS2.i

Sample Info: 1116666

Volume Injected (uL): 1.0

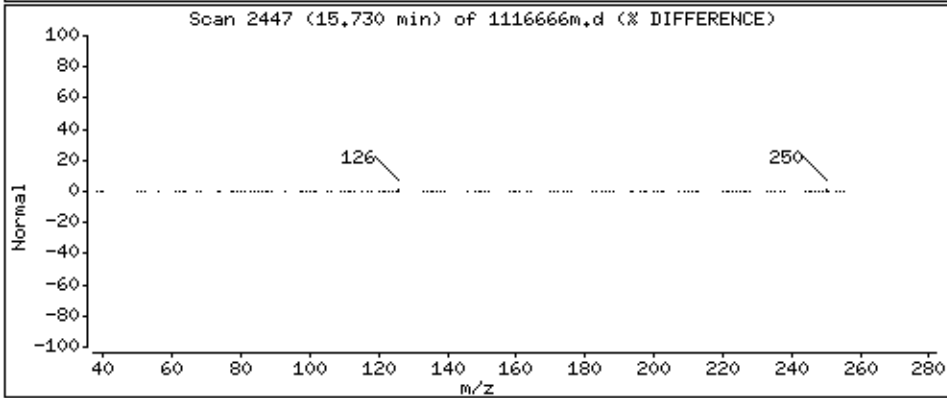
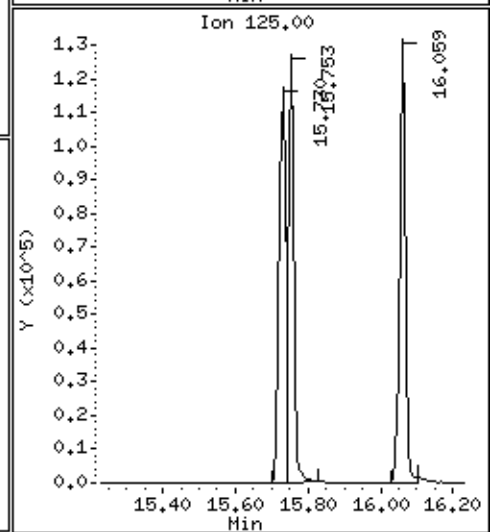
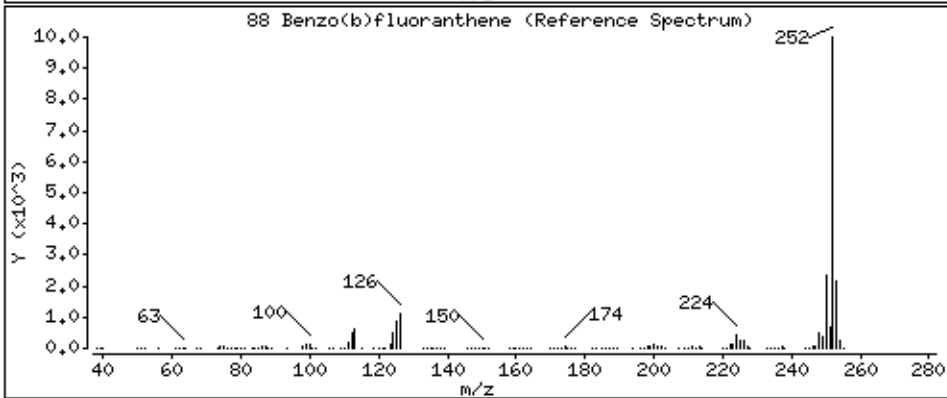
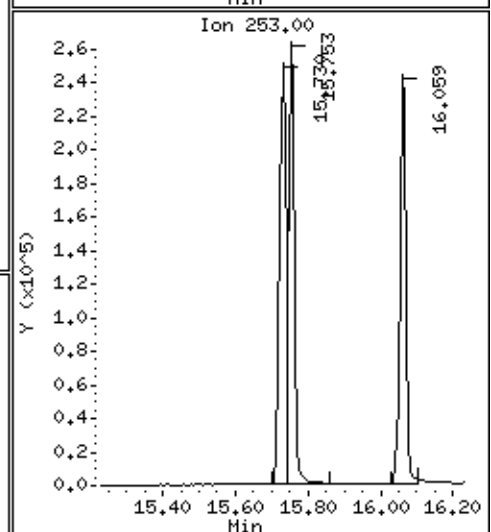
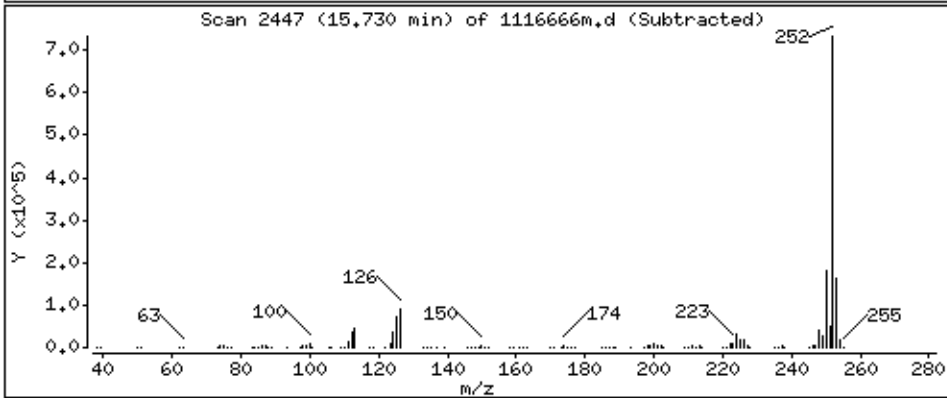
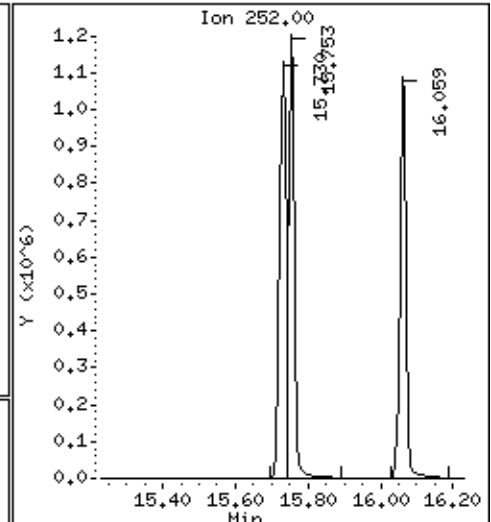
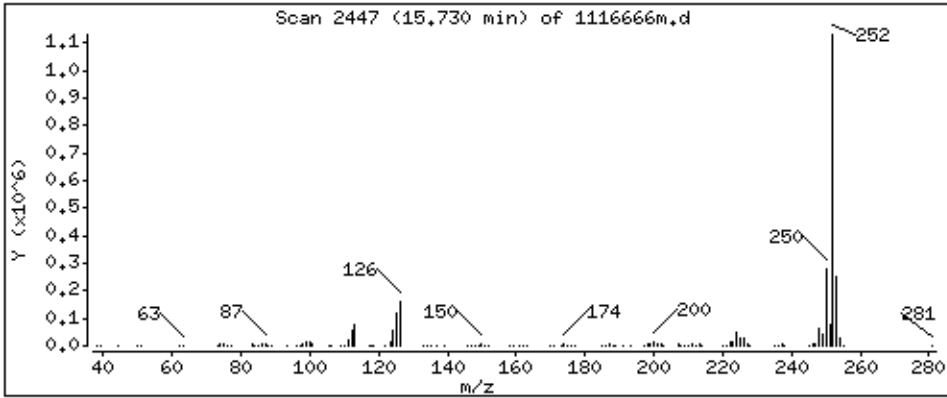
Operator: SN

Column phase: .50um DB-5ms

Column diameter: 0,25

88 Benzo(b)fluoranthene

Concentration: 2086 ug/Kg



Date : 25-JUN-2014 14:27

Client ID: P-4 (5-7)MS

Instrument: 50MSS2.i

Sample Info: 1116666

Volume Injected (uL): 1.0

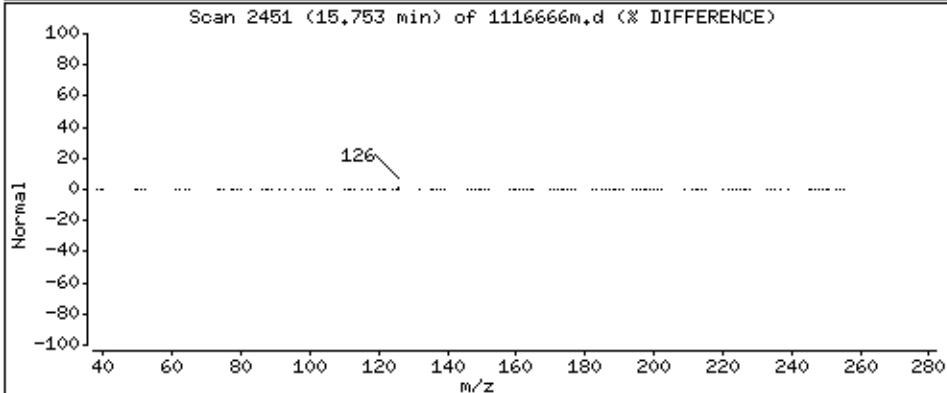
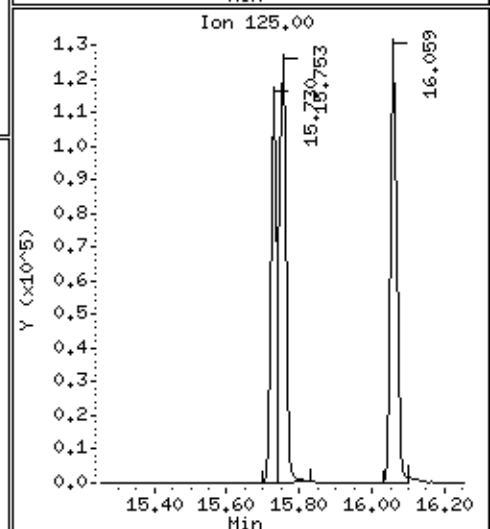
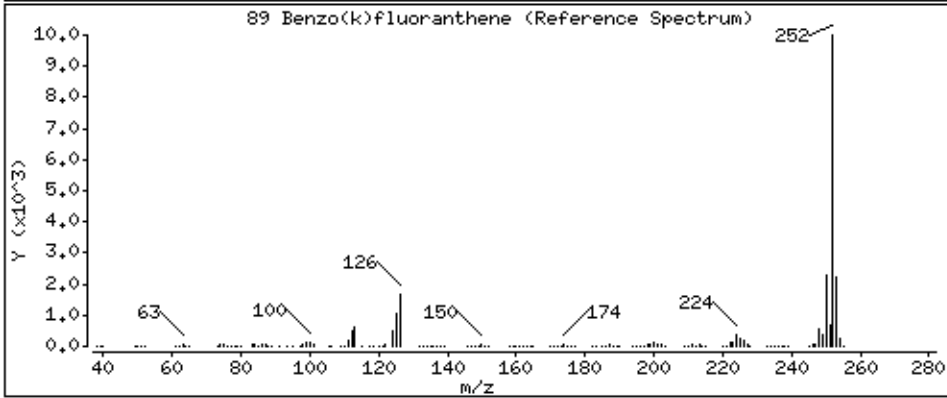
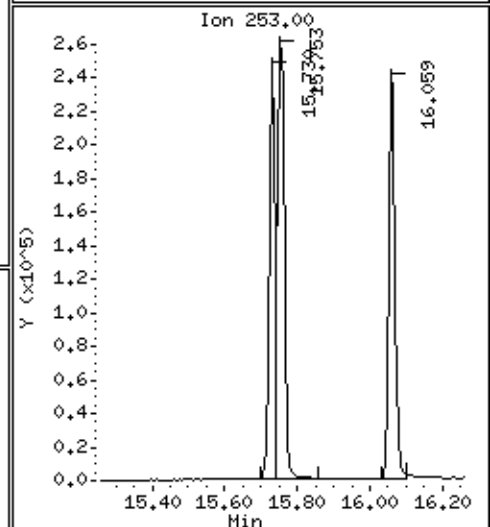
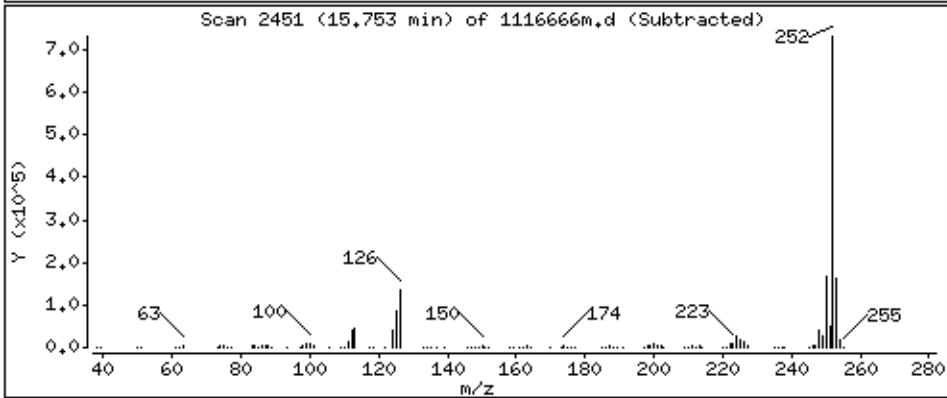
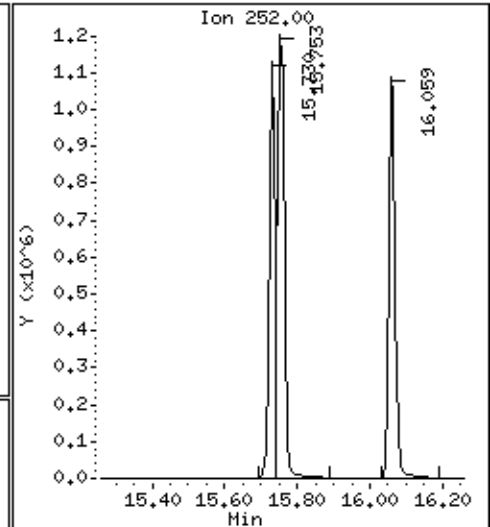
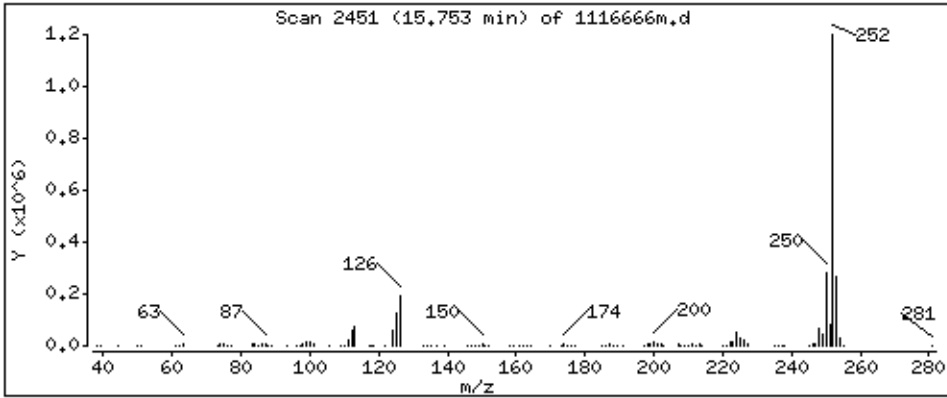
Operator: SN

Column phase: .50um DB-5ms

Column diameter: 0,25

89 Benzo(k)fluoranthene

Concentration: 2271 ug/Kg



Date : 25-JUN-2014 14:27

Client ID: P-4 (5-7)MS

Instrument: 50MSS2.i

Sample Info: 1116666

Volume Injected (uL): 1.0

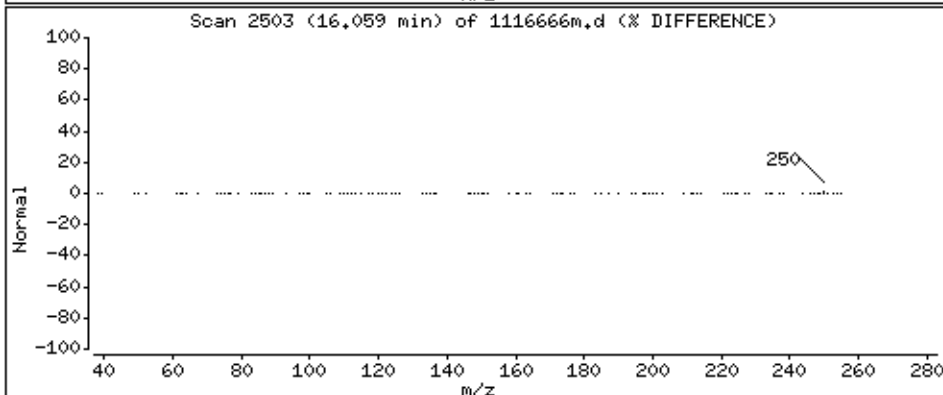
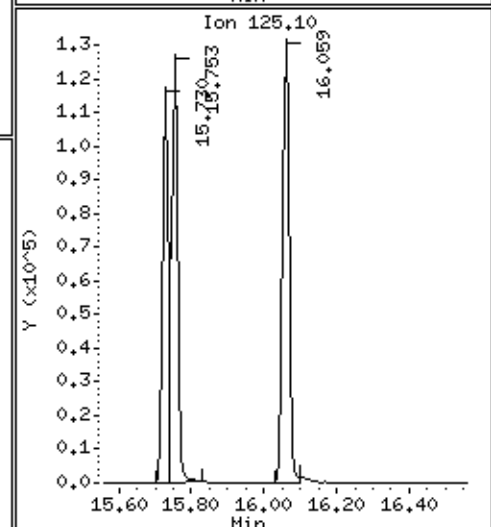
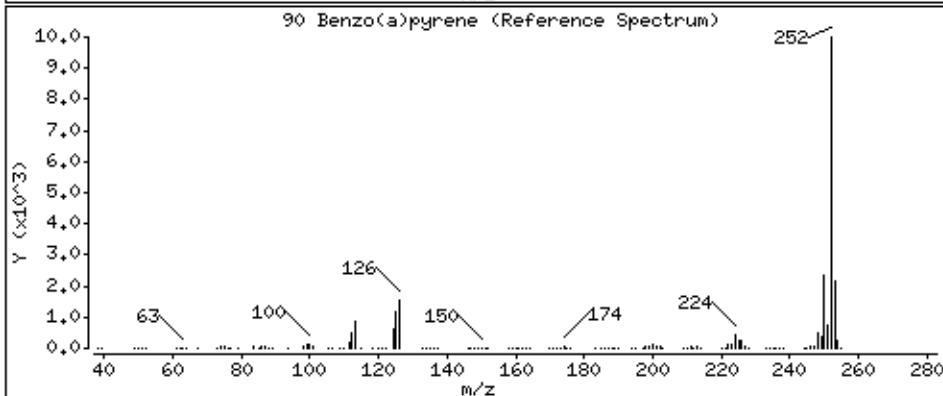
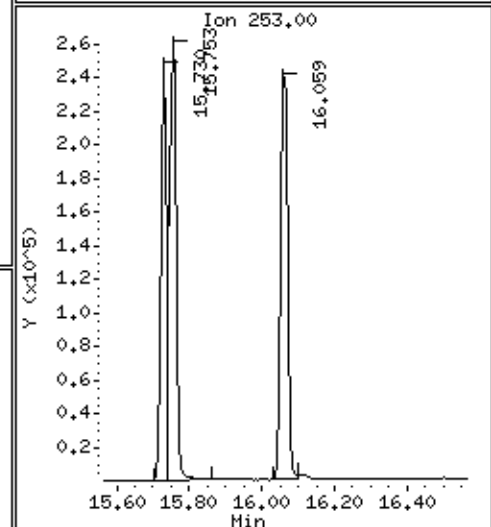
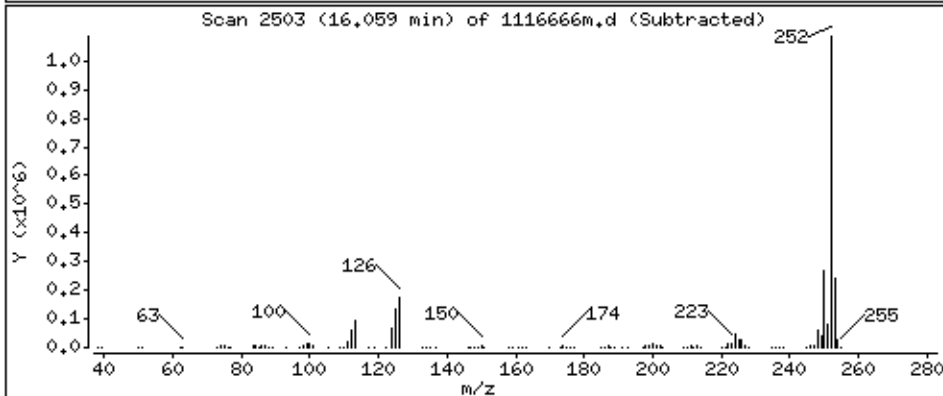
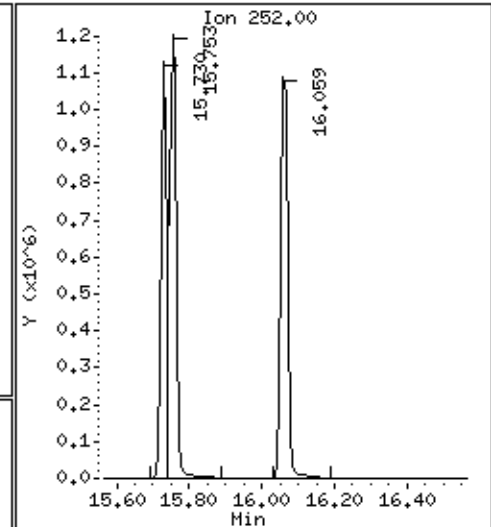
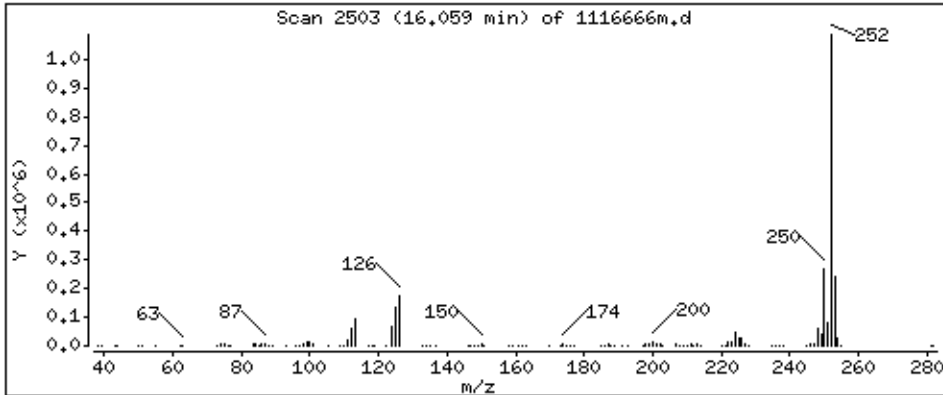
Operator: SN

Column phase: .50um DB-5ms

Column diameter: 0,25

90 Benzo(a)pyrene

Concentration: 2278 ug/Kg



Date : 25-JUN-2014 14:27

Client ID: P-4 (5-7)MS

Instrument: 50MSS2.i

Sample Info: 1116666

Volume Injected (uL): 1.0

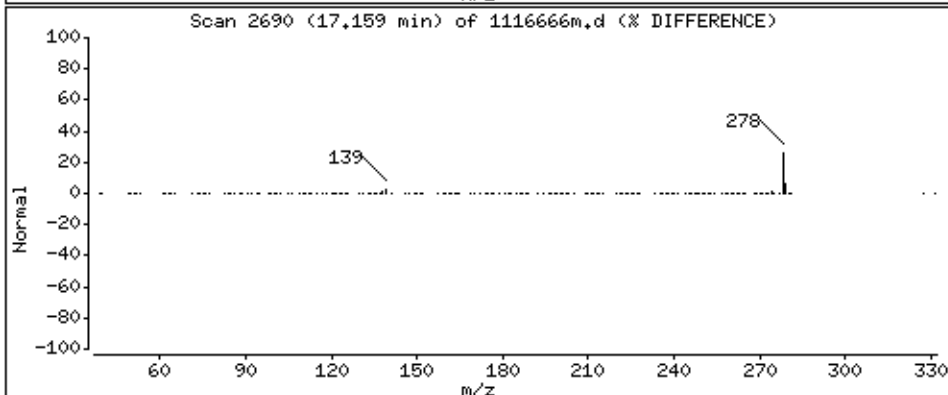
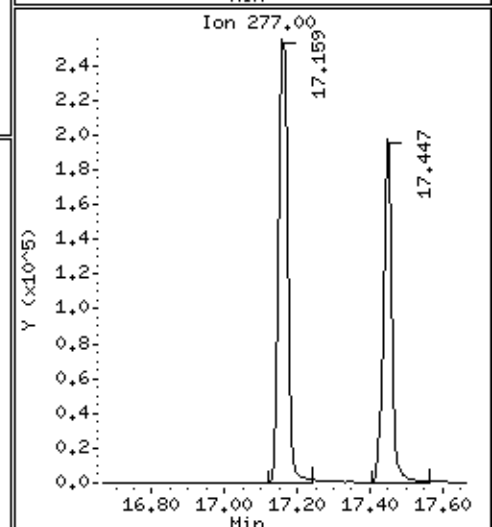
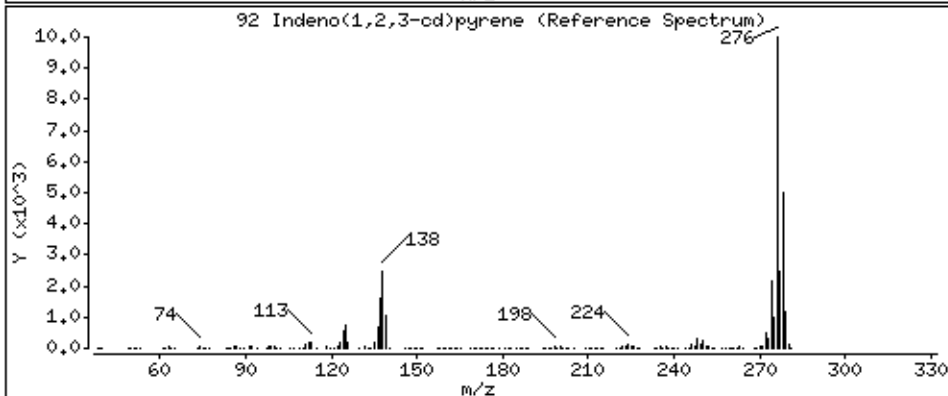
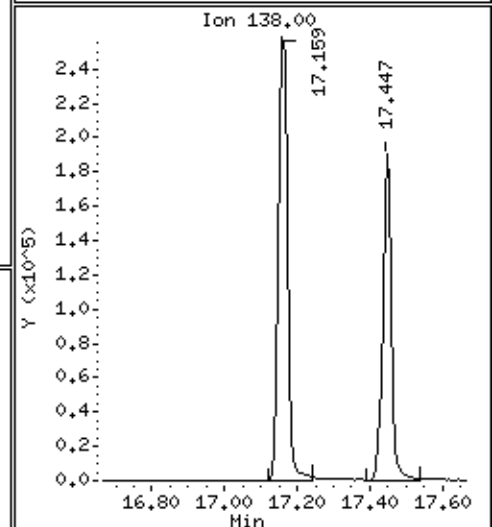
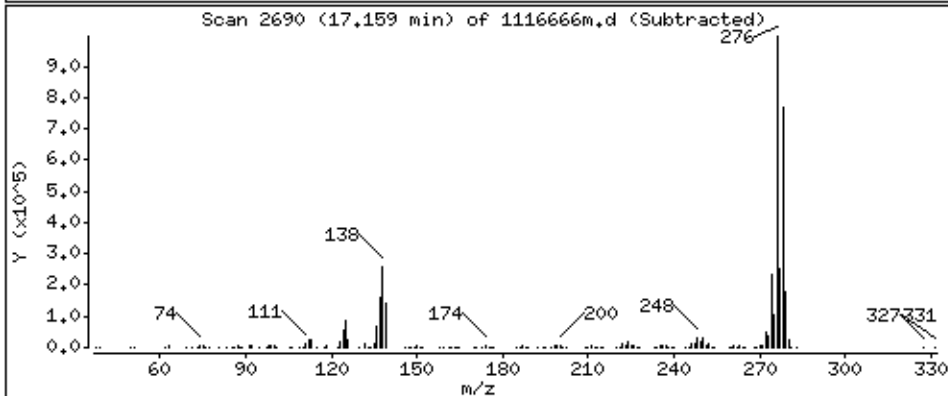
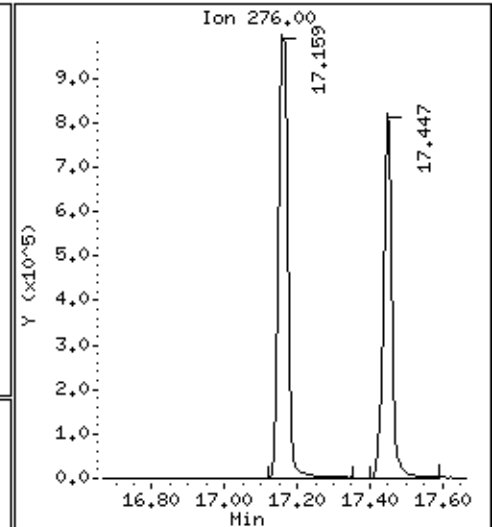
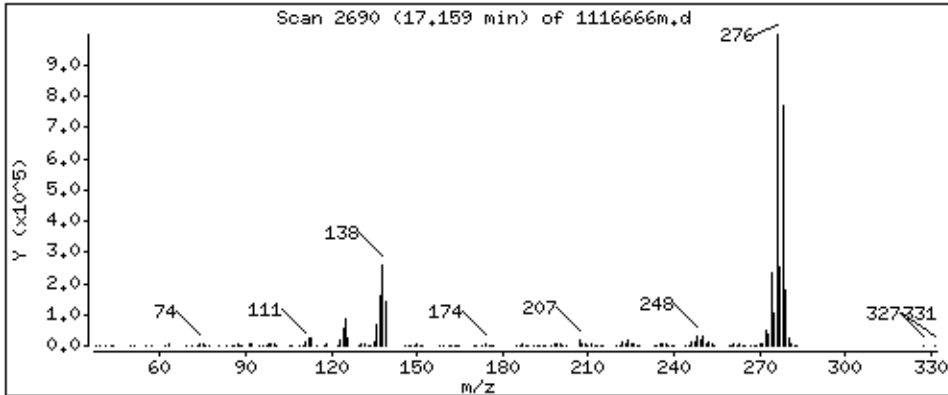
Operator: SN

Column phase: .50um DB-5ms

Column diameter: 0,25

92 Indeno(1,2,3-cd)pyrene

Concentration: 2204 ug/Kg



Date : 25-JUN-2014 14:27

Client ID: P-4 (5-7)MS

Instrument: 50MSS2.i

Sample Info: 1116666

Volume Injected (uL): 1.0

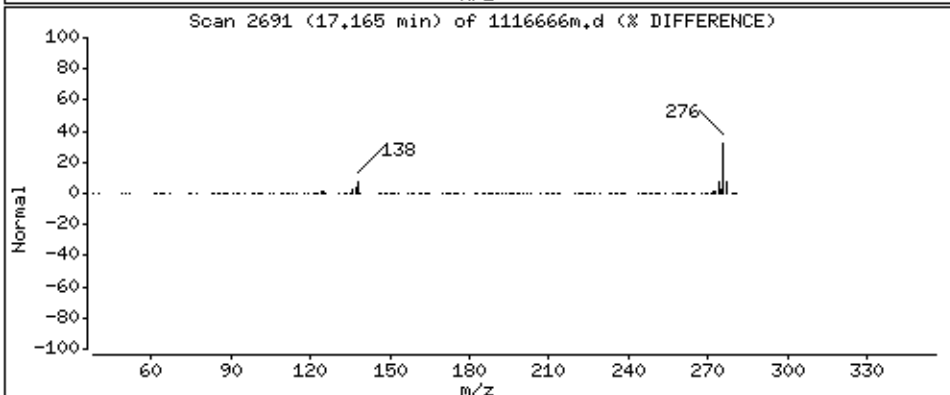
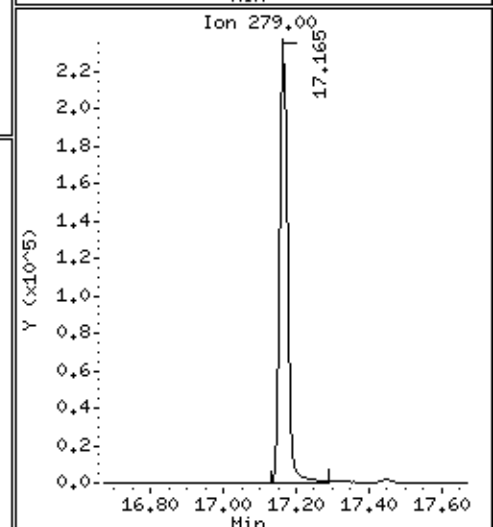
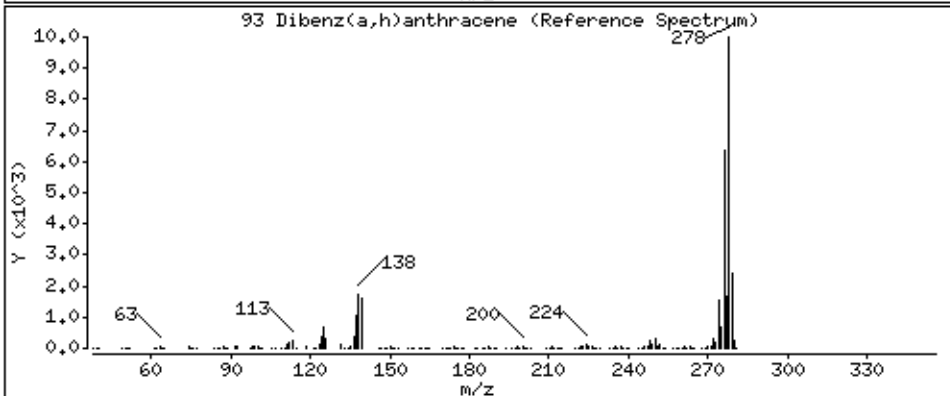
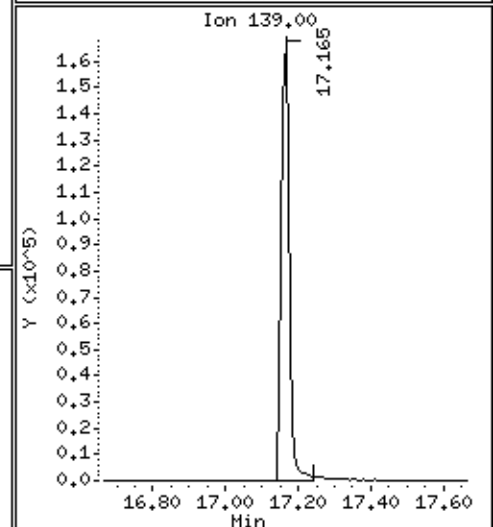
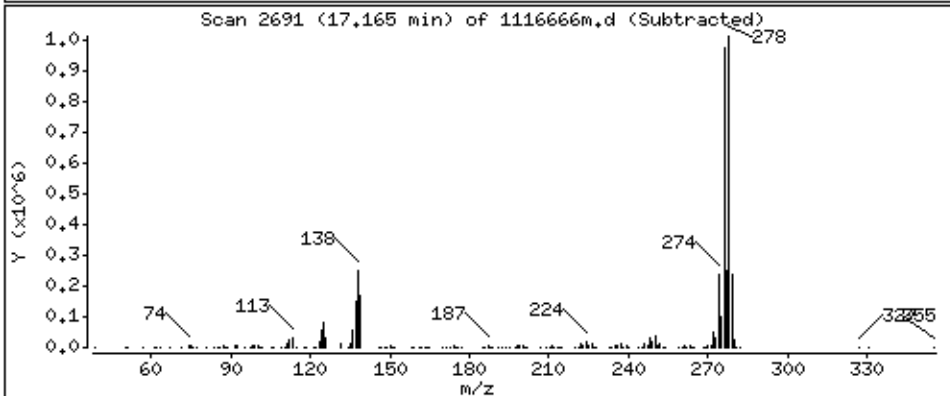
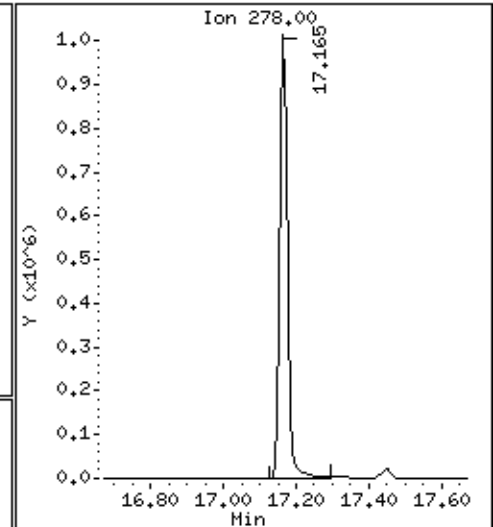
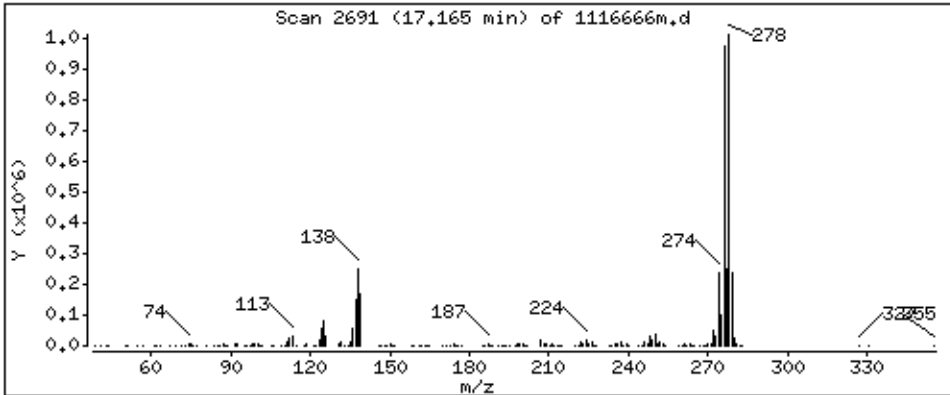
Operator: SN

Column phase: .50um DB-5ms

Column diameter: 0,25

93 Dibenz(a,h)anthracene

Concentration: 2278 ug/Kg



Date : 25-JUN-2014 14:27

Client ID: P-4 (5-7)MS

Instrument: 50MSS2.i

Sample Info: 1116666

Volume Injected (uL): 1.0

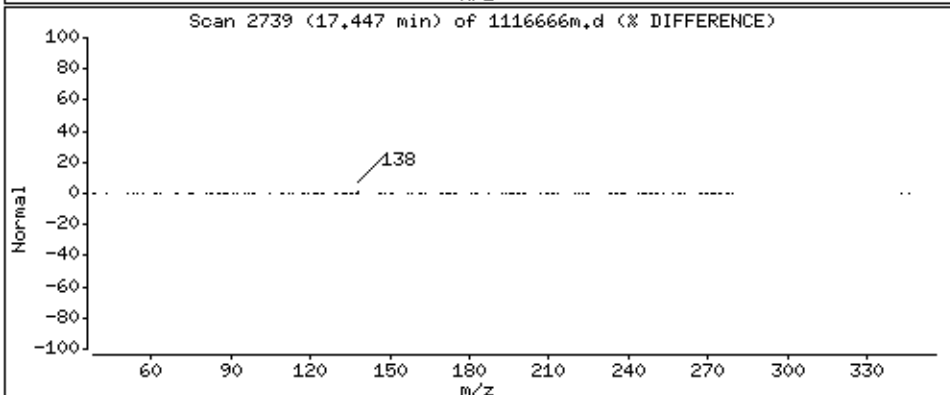
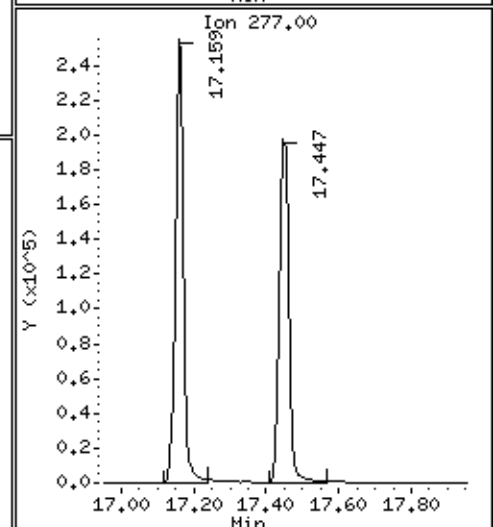
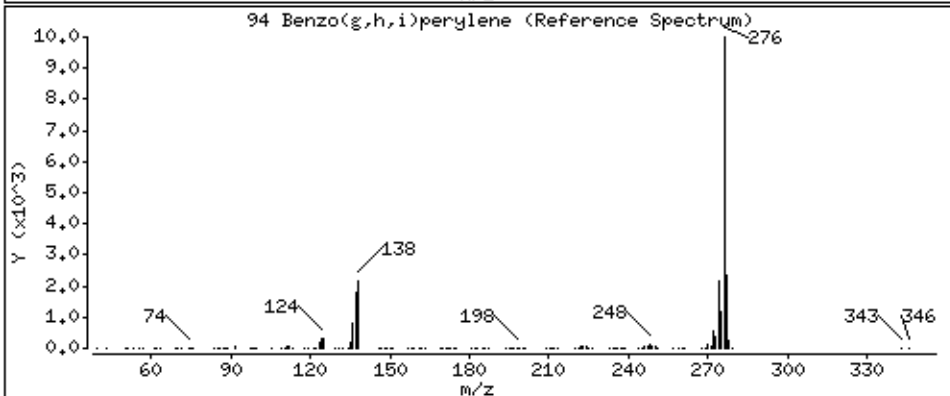
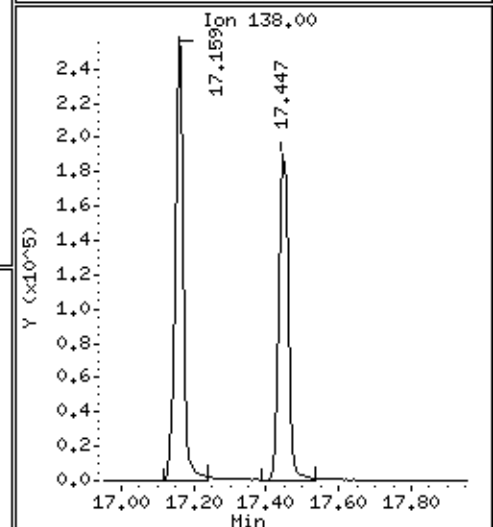
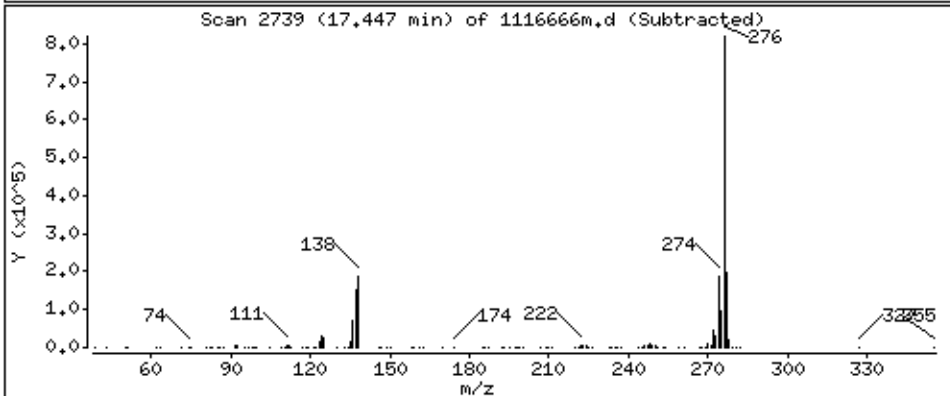
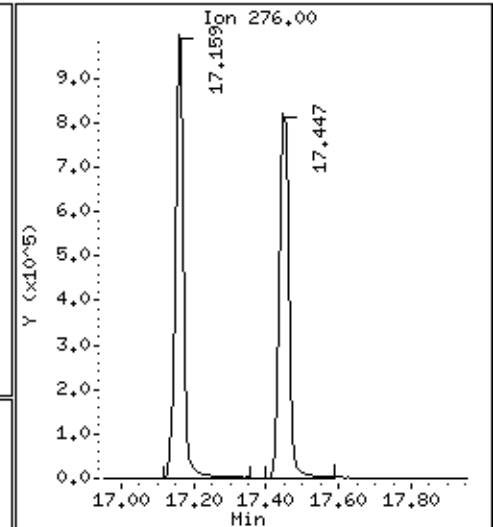
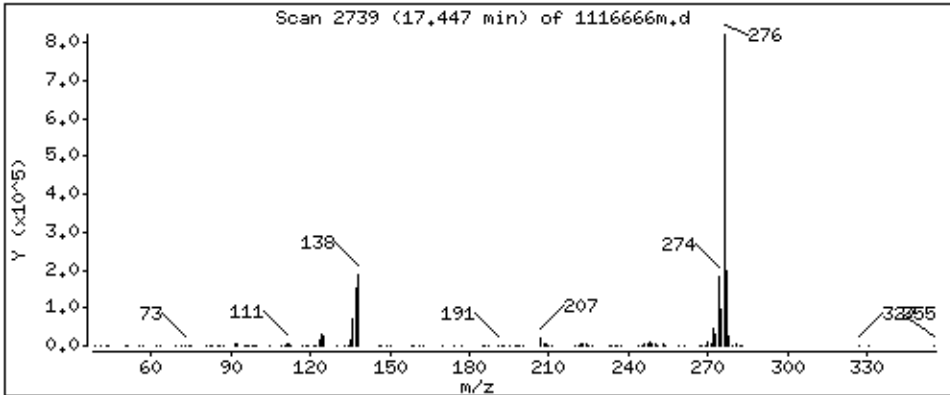
Operator: SN

Column phase: .50um DB-5ms

Column diameter: 0,25

94 Benzo(g,h,i)perylene

Concentration: 2205 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: 06/20/2014 10:42
Date Extracted: 06/24/2014 14:24
Date Analyzed: 06/25/2014 14:49
Initial wt/vol: 30.3 g Final wt/vol: 1 mL Dilution: 1

Contract: Sibley - Accucast
Matrix: Solid SDG No.: 5099627
Lab Sample ID: 1116667
Lab File ID: 062514.B\1116667D.D
Instrument: 50MSS2 Percent Moisture: 9.2%

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
83-32-9	Acenaphthene	2400	
208-96-8	Acenaphthylene	2410	
120-12-7	Anthracene	2410	
56-55-3	Benzo(a)anthracene	2400	
50-32-8	Benzo(a)pyrene	2460	
205-99-2	Benzo(b)fluoranthene	2240	
191-24-2	Benzo(g,h,i)perylene	2330	
207-08-9	Benzo(k)fluoranthene	2480	
59-50-7	4-Chloro-3-methylphenol	2360	
95-57-8	2-Chlorophenol	2380	
218-01-9	Chrysene	2490	
53-70-3	Dibenz(a,h)anthracene	2390	
121-14-2	2,4-Dinitrotoluene	2620	
206-44-0	Fluoranthene	2530	
86-73-7	Fluorene	2490	
193-39-5	Indeno(1,2,3-cd)pyrene	2360	
91-57-6	2-Methylnaphthalene	2390	
91-20-3	Naphthalene	2350	
100-02-7	4-Nitrophenol	2690	
621-64-7	N-Nitroso-di-n-propylamine	2560	
87-86-5	Pentachlorophenol	2340	
85-01-8	Phenanthrene	2410	
108-95-2	Phenol	2470	
129-00-0	Pyrene	2540	

07/18/2014 8:51

Pace Analytical Services, Inc.

Semivolatile REPORT SW-846 Method 8270/EPA 625

Data file : \\192.168.50.6\chem\50MSS2.i\062514.b\1116667d.d
 Lab Smp Id: 1116667 Client Smp ID: P-4 (5-7)MSD
 Inj Date : 25-JUN-2014 14:49
 Operator : SN Inst ID: 50MSS2.i
 Smp Info : 1116667
 Misc Info : 15571
 Comment :
 Method : \\192.168.50.6\chem\50MSS2.i\062514.b\8270c.m
 Meth Date : 26-Jun-2014 10:12 50MSS2.i Quant Type: ISTD
 Cal Date : 09-JUN-2014 14:49 Cal File: 100ppm.d
 Als bottle: 10 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	30.300	Weight of sample extracted (g)
M	0.00000	% Moisture
Cpnd Variable		Local Compound Variable

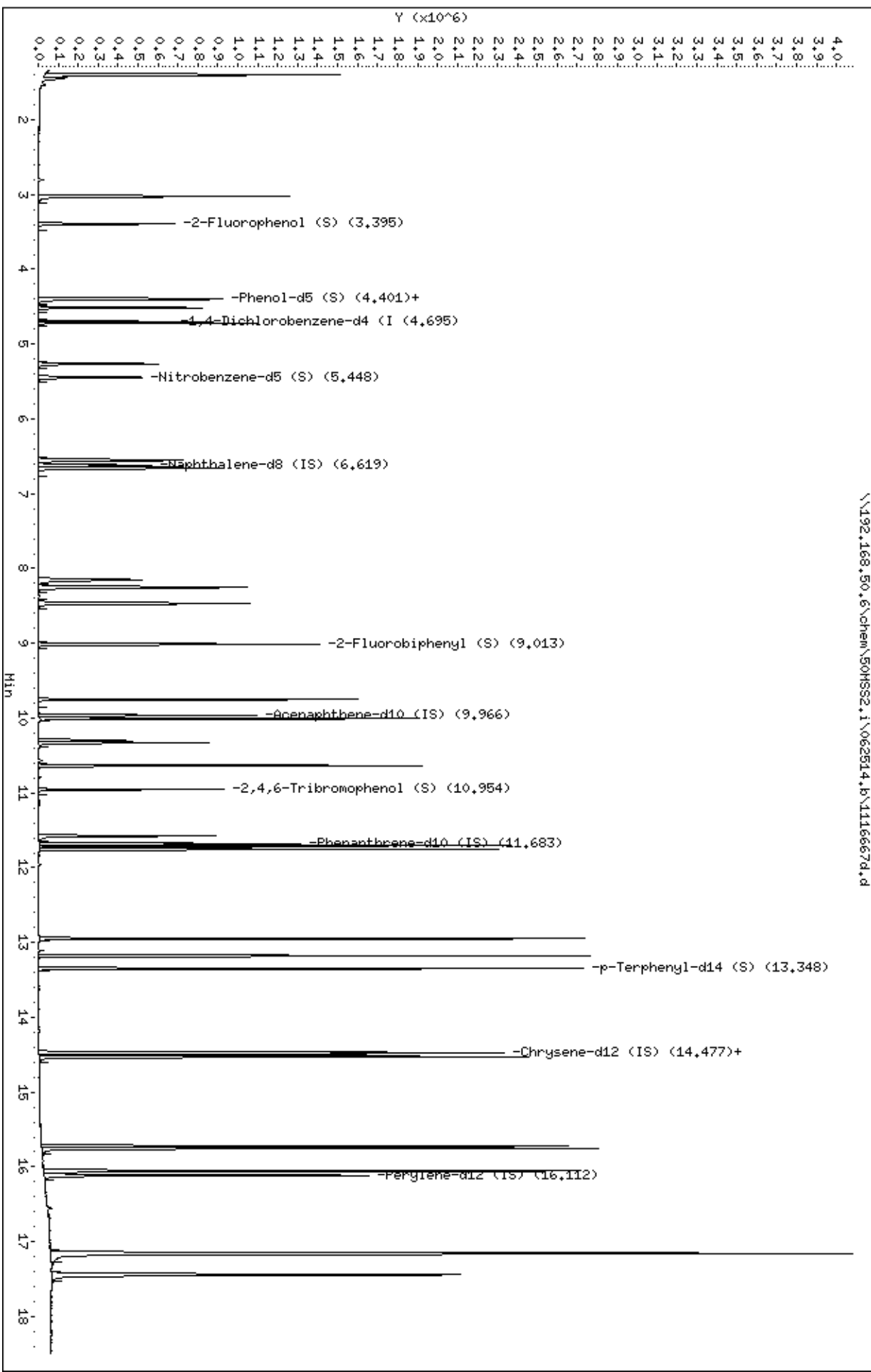
Compounds	QUANT	SIG	CONCENTRATIONS				ON-COLUMN	FINAL
			MASS	RT	EXP RT	REL RT	RESPONSE	(ug/ml)
\$ 3 2-Fluorophenol (S)	112		3.395	3.389	(0.723)	243405	72.4272	2390
\$ 6 Phenol-d5 (S)	99		4.389	4.395	(0.935)	317063	74.7260	2466
7 Phenol	94		4.407	4.407	(0.939)	304111	68.0375	2245
9 2-Chlorophenol	128		4.513	4.513	(0.961)	260583	65.3739	2158
* 11 1,4-Dichlorobenzene-d4 (IS)	152		4.695	4.695	(1.000)	118141	40.0000	
12 1,4-Dichlorobenzene	146		4.713	4.713	(1.004)	303115	67.8926	2241
21 N-Nitroso-di-n-propylamine	70		5.265	5.271	(1.121)	166412	70.4112	2324
\$ 23 Nitrobenzene-d5 (S)	82		5.448	5.442	(0.823)	244845	69.6090	2297
31 1,2,4-Trichlorobenzene	180		6.554	6.554	(0.990)	255580	67.4342	2226
* 32 Naphthalene-d8 (IS)	136		6.618	6.618	(1.000)	459475	40.0000	
33 Naphthalene	128		6.659	6.660	(1.006)	764383	64.5253	2130
38 4-Chloro-3-methylphenol	107		8.148	8.159	(1.231)	207568	64.8807	2141
39 2-Methylnaphthalene	142		8.253	8.254	(1.247)	534241	65.6413	2166
41 1-Methylnaphthalene	142		8.465	8.465	(1.279)	469991	58.7203	1938
\$ 46 2-Fluorobiphenyl (S)	172		9.012	9.012	(0.904)	623861	67.4630	2226
51 Acenaphthylene	152		9.753	9.753	(0.979)	868961	66.4112	2192
* 53 Acenaphthene-d10 (IS)	164		9.965	9.965	(1.000)	274175	40.0000	
55 Acenaphthene	153		10.006	10.006	(1.004)	537930	66.1130	2182
58 4-Nitrophenol	109		10.295	10.300	(1.033)	77166	74.1070	2446

Compounds	QUANT SIG MASS	CONCENTRATIONS				RESPONSE	ON-COLUMN	FINAL
		RT	EXP RT	REL RT	(ug/ml)		(ug/Kg)	
59 2,4-Dinitrotoluene	165	10.330	10.330	(1.037)	192225	72.1317	2380	
61 Fluorene	166	10.636	10.642	(1.067)	625247	68.4678	2260	
\$ 67 2,4,6-Tribromophenol (S)	330	10.953	10.959	(0.938)	143366	71.8824	2372	
71 Pentachlorophenol	266	11.577	11.577	(0.991)	140111	64.2605	2121	
* 72 Phenanthrene-d10 (IS)	188	11.683	11.683	(1.000)	538034	40.0000		
73 Phenanthrene	178	11.706	11.706	(1.002)	958055	66.3673	2190	
74 Anthracene	178	11.753	11.753	(1.006)	964364	66.4093	2192	
77 Fluoranthene	202	12.947	12.953	(1.108)	1144804	69.6472	2298	
79 Pyrene	202	13.177	13.177	(1.128)	1204998	70.0015	2310	
\$ 80 p-Terphenyl-d14 (S)	244	13.347	13.347	(1.142)	939257	85.0151	2806	
82 Benzo(a)anthracene	228	14.477	14.477	(0.999)	1209131	65.9509	2176	
* 84 Chrysene-d12 (IS)	240	14.494	14.500	(1.000)	717243	40.0000		
85 Chrysene	228	14.530	14.535	(1.002)	1181185	68.5666	2263	
88 Benzo(b)fluoranthene	252	15.724	15.730	(0.976)	1298915	61.6830	2036	
89 Benzo(k)fluoranthene	252	15.747	15.759	(0.977)	1497407	68.2595	2253	
90 Benzo(a)pyrene	252	16.053	16.065	(0.996)	1290899	67.7560	2236	
* 91 Perylene-d12 (IS)	264	16.112	16.118	(1.000)	696046	40.0000		
92 Indeno(1,2,3-cd)pyrene	276	17.153	17.165	(1.065)	1610974	64.8419	2140	
93 Dibenz(a,h)anthracene	278	17.159	17.171	(1.065)	1312917	65.7617	2170	
94 Benzo(g,h,i)perylene	276	17.441	17.453	(1.083)	1343848	64.1946	2119	

Data File: \\192.168.50.6\chem\50HSS2.1\062514.b\111667d.d
 Date: 25-JUN-2014 14:49
 Client ID: P-4 (5-7)HSD
 Sample Info: 1116667
 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\062514.b\111667d.d



Date : 25-JUN-2014 14:49

Client ID: P-4 (5-7)MSD

Instrument: 50MSS2.i

Sample Info: 1116667

Volume Injected (uL): 1.0

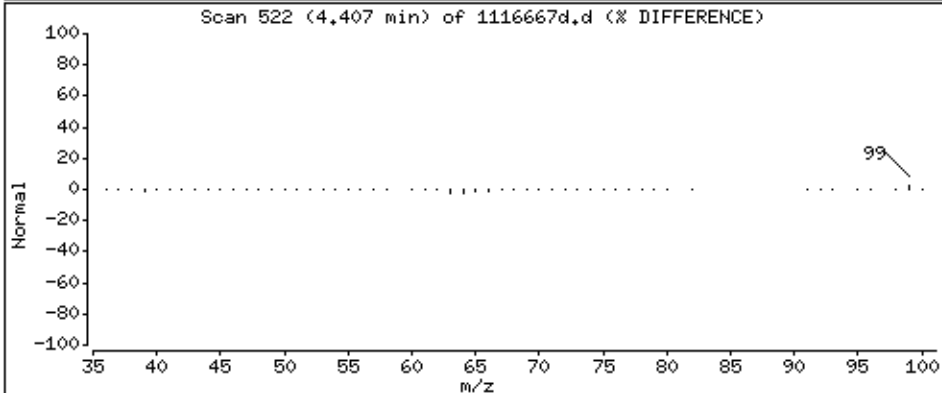
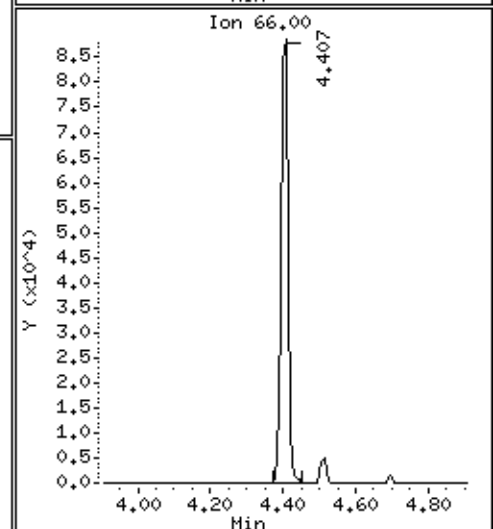
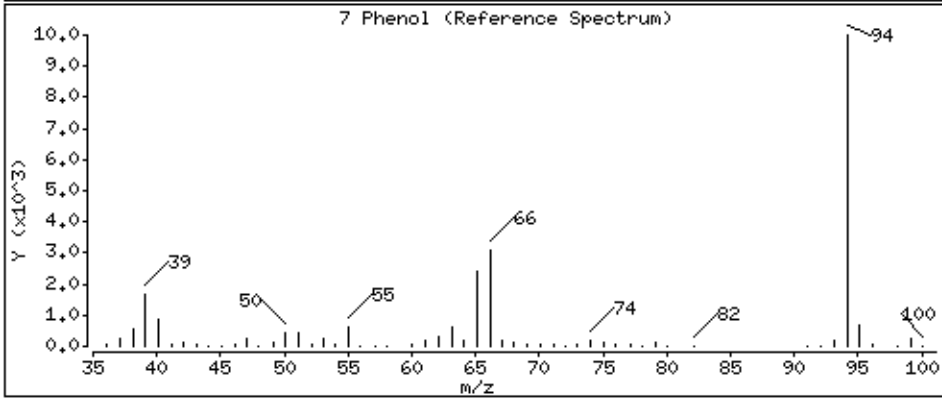
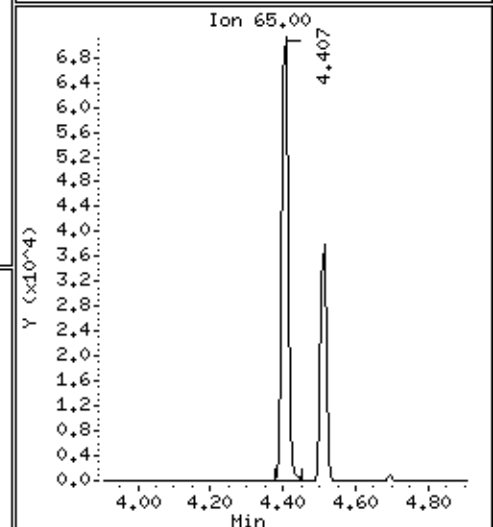
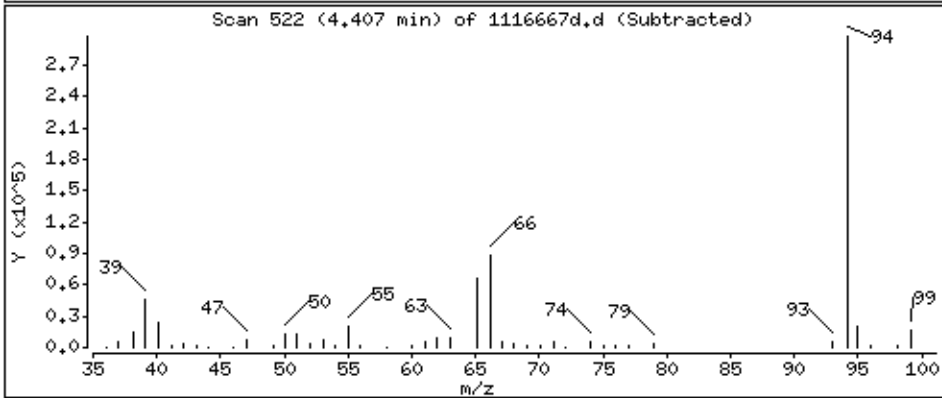
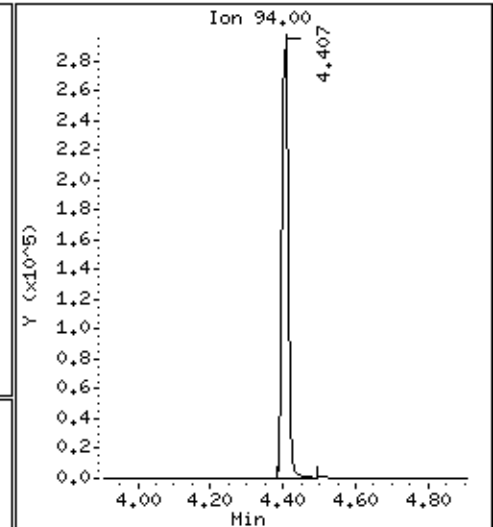
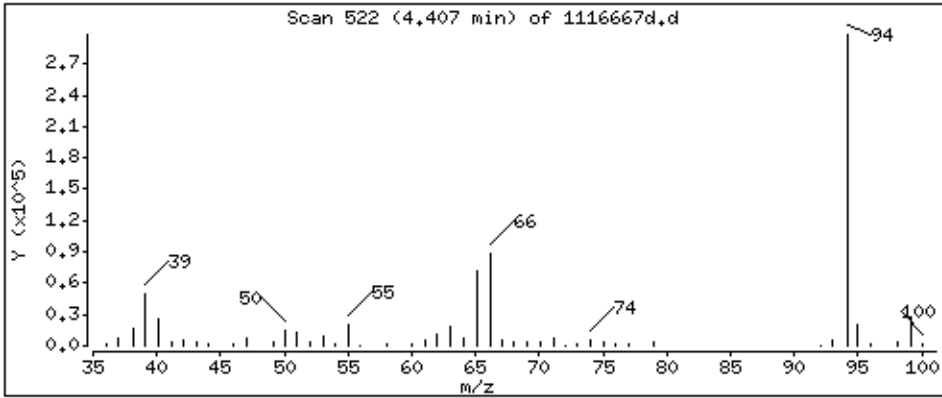
Operator: SN

Column phase: .50um DB-5ms

Column diameter: 0,25

7 Phenol

Concentration: 2245 ug/Kg



Date : 25-JUN-2014 14:49

Client ID: P-4 (5-7)MSD

Instrument: 50MSS2.i

Sample Info: 1116667

Volume Injected (uL): 1.0

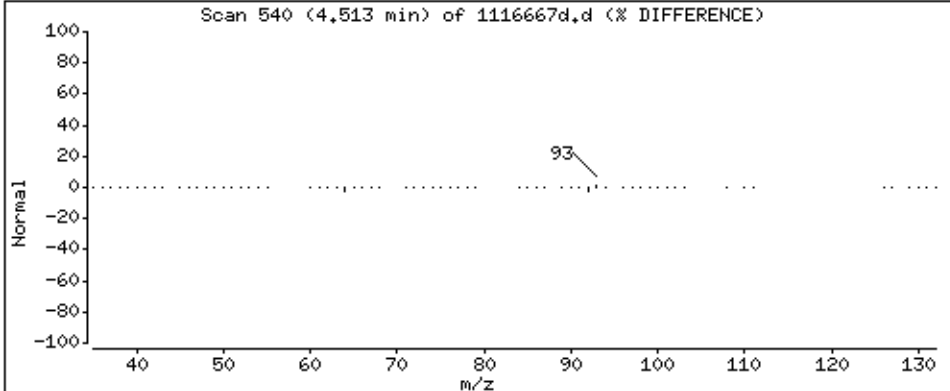
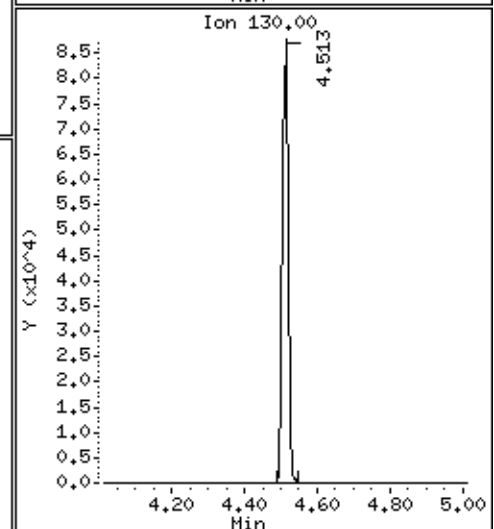
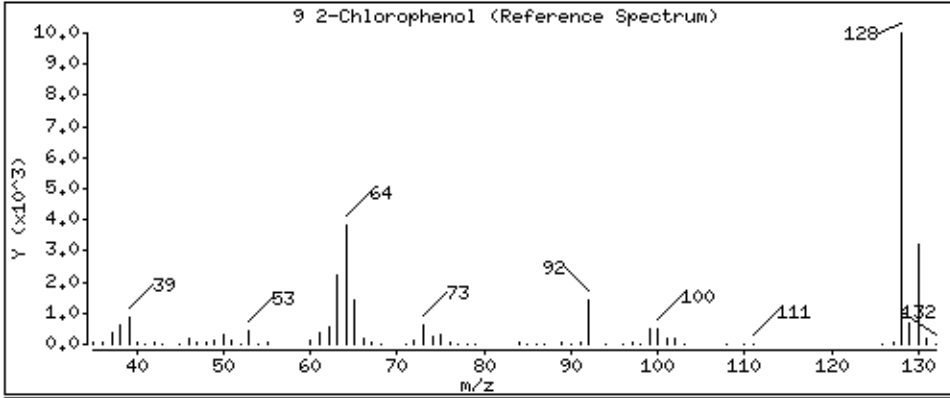
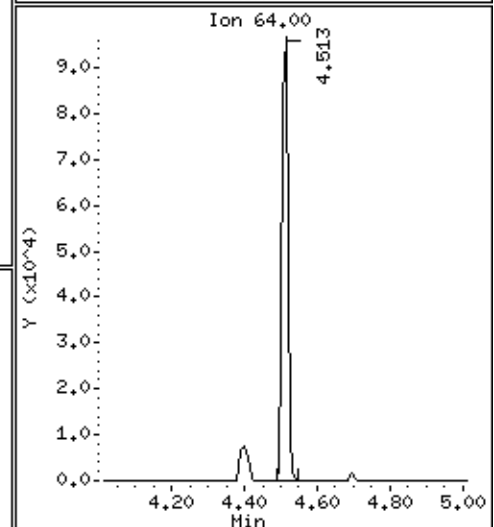
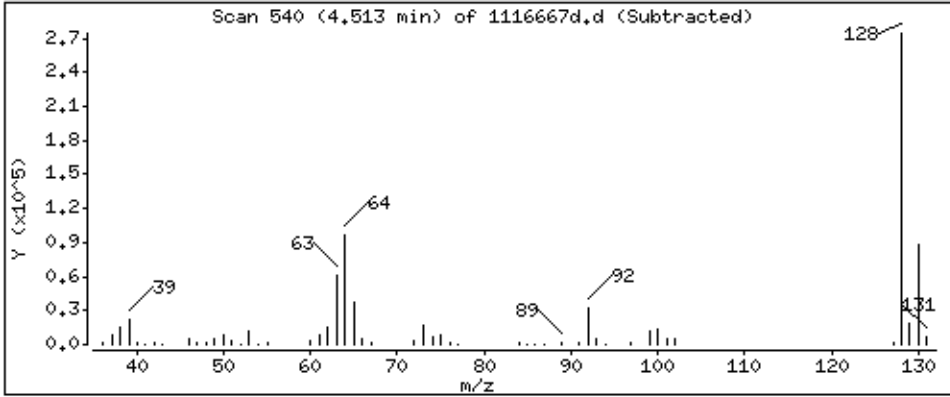
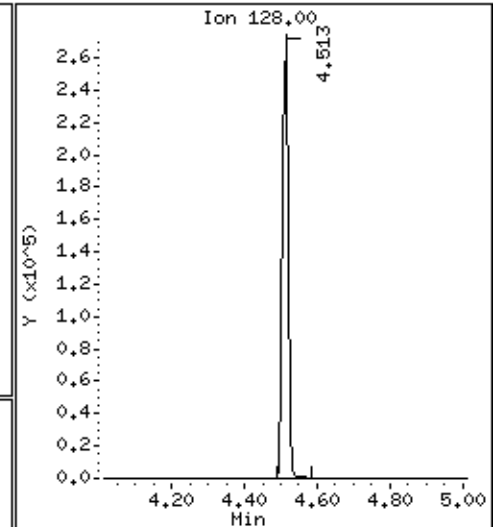
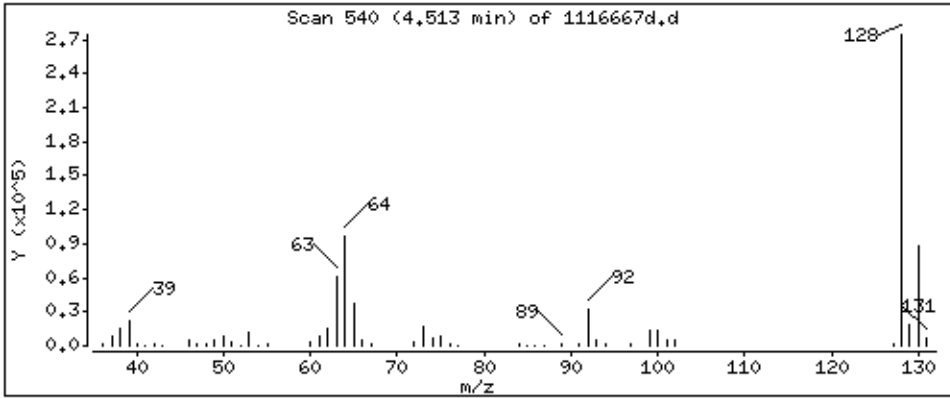
Operator: SN

Column phase: .50um DB-5ms

Column diameter: 0,25

9 2-Chlorophenol

Concentration: 2158 ug/Kg



Date : 25-JUN-2014 14:49

Client ID: P-4 (5-7)MSD

Instrument: 50MSS2.i

Sample Info: 1116667

Volume Injected (uL): 1.0

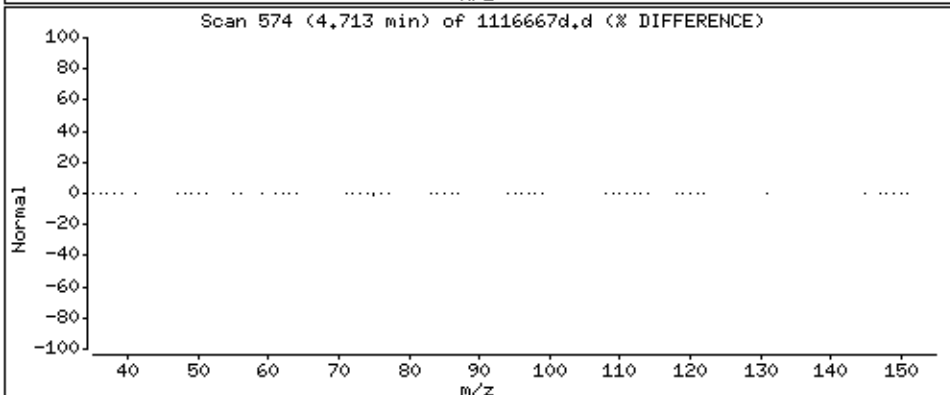
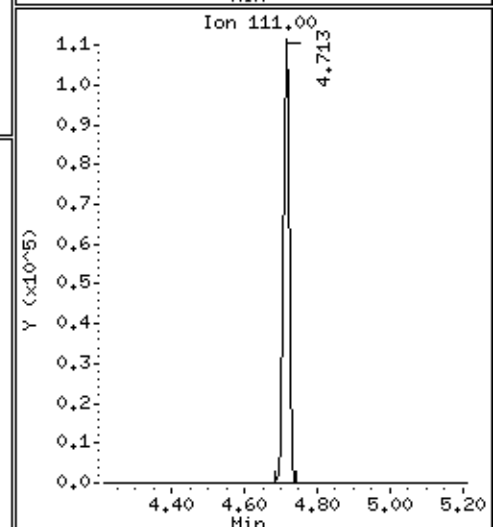
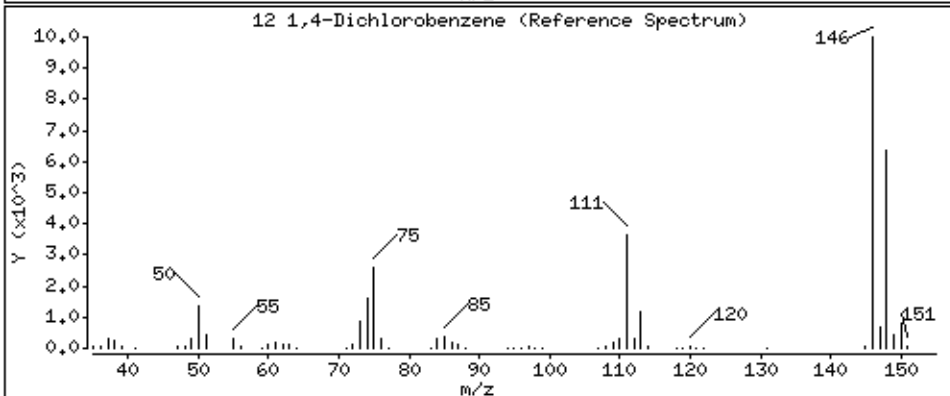
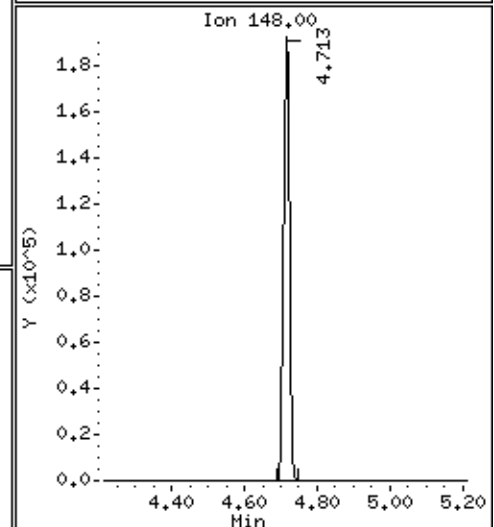
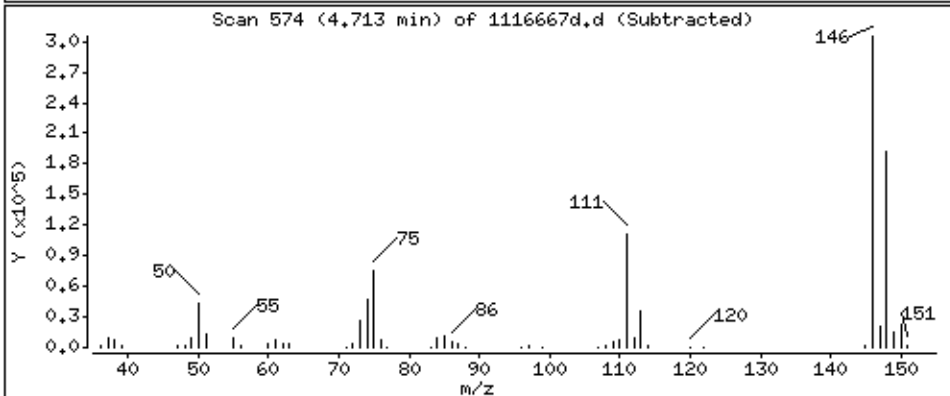
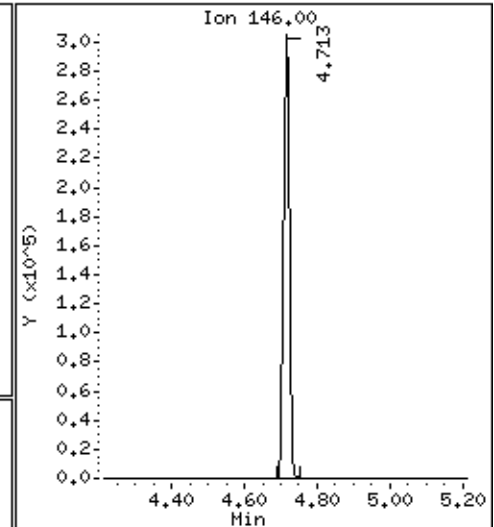
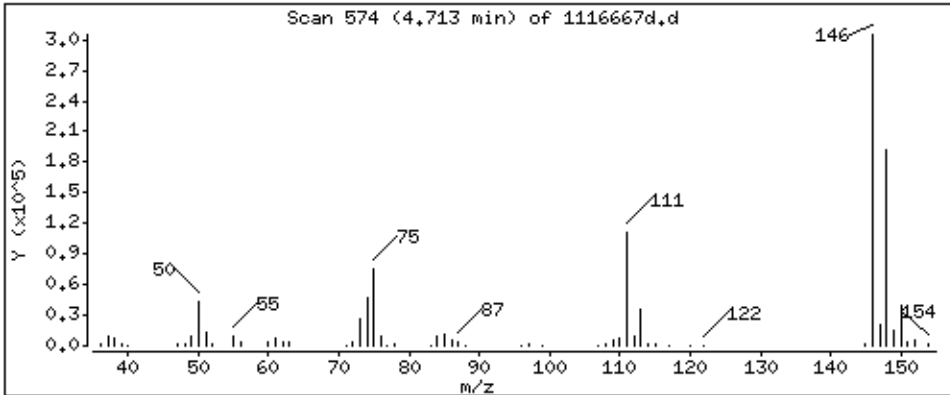
Operator: SN

Column phase: .50um DB-5ms

Column diameter: 0,25

12 1,4-Dichlorobenzene

Concentration: 2241 ug/Kg



Date : 25-JUN-2014 14:49

Client ID: P-4 (5-7)MSD

Instrument: 50MSS2.i

Sample Info: 1116667

Volume Injected (uL): 1.0

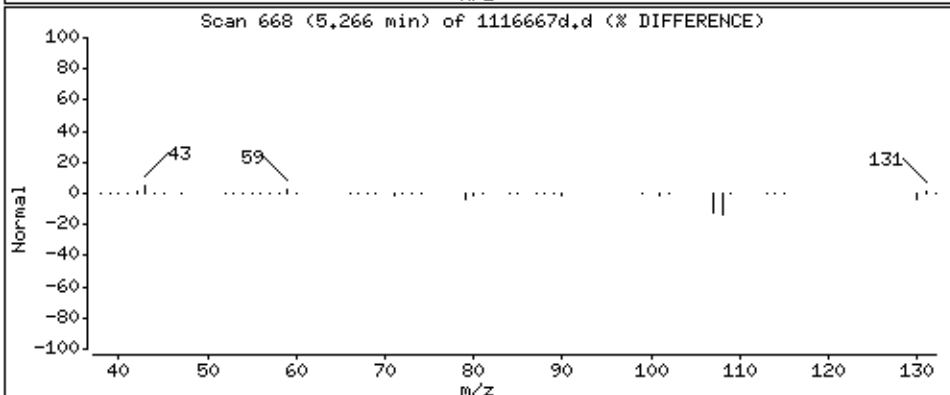
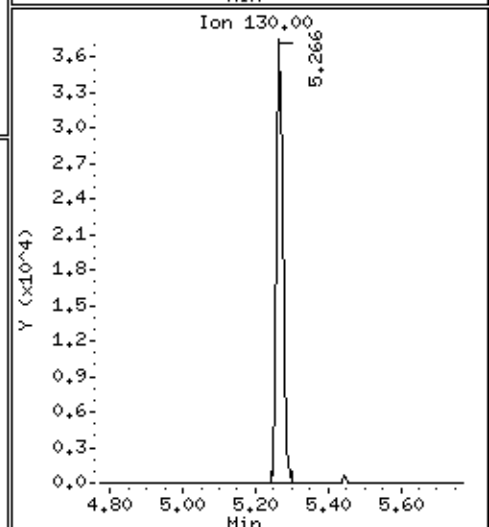
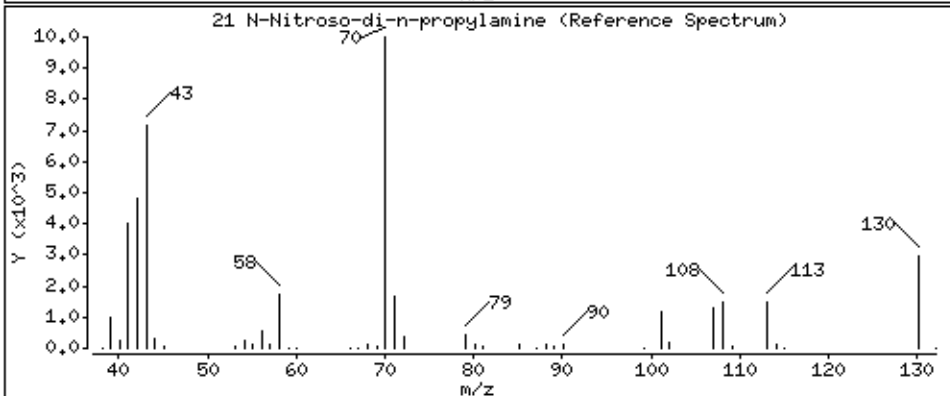
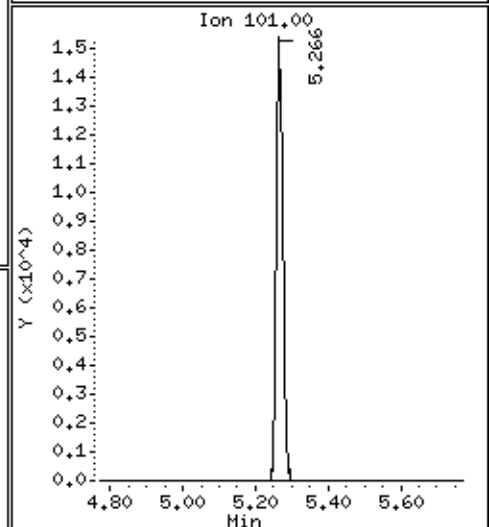
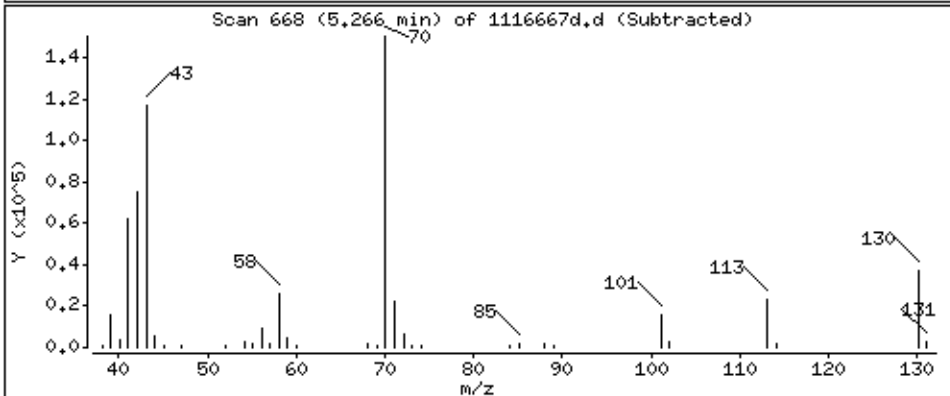
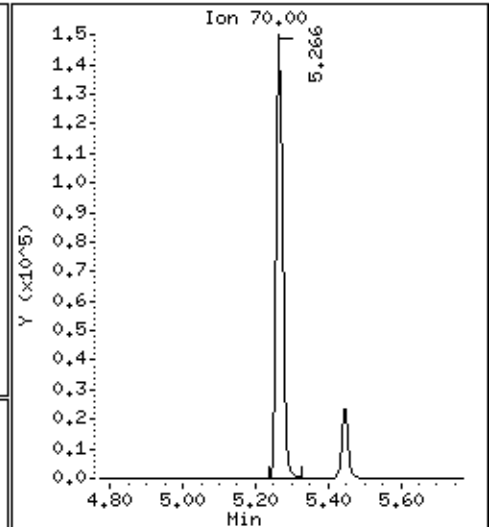
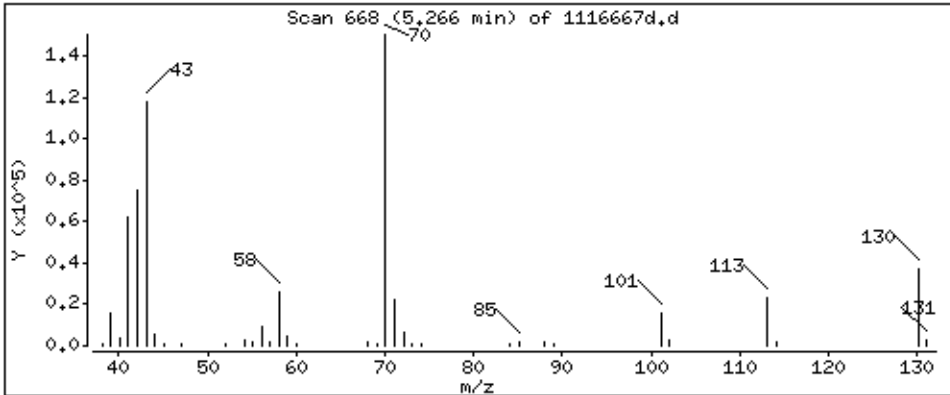
Operator: SN

Column phase: .50um DB-5ms

Column diameter: 0,25

21 N-Nitroso-di-n-propylamine

Concentration: 2324 ug/Kg



Date : 25-JUN-2014 14:49

Client ID: P-4 (5-7)MSD

Instrument: 50MSS2.i

Sample Info: 1116667

Volume Injected (uL): 1.0

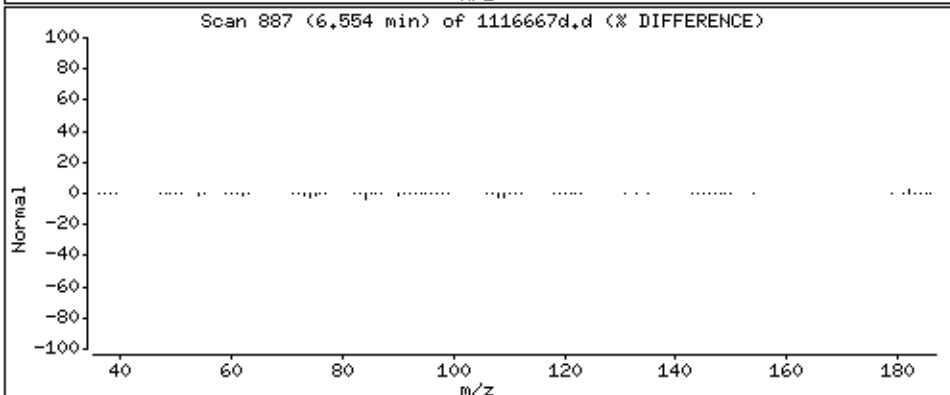
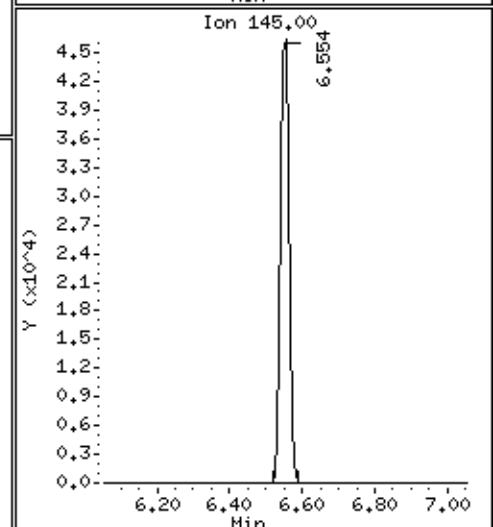
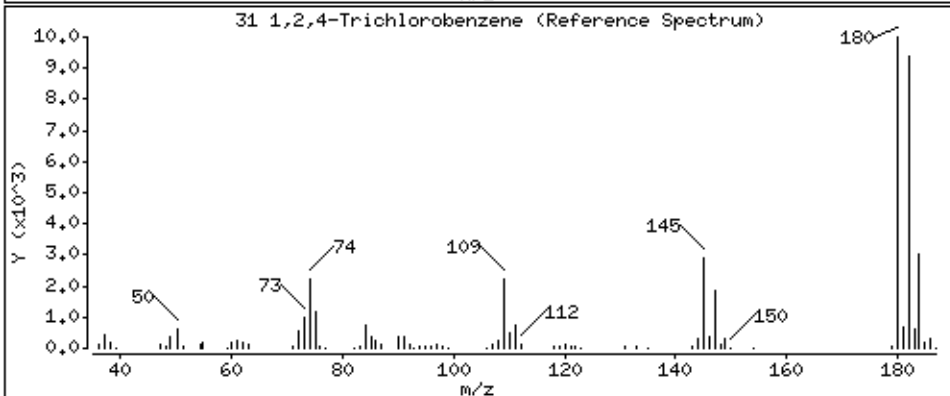
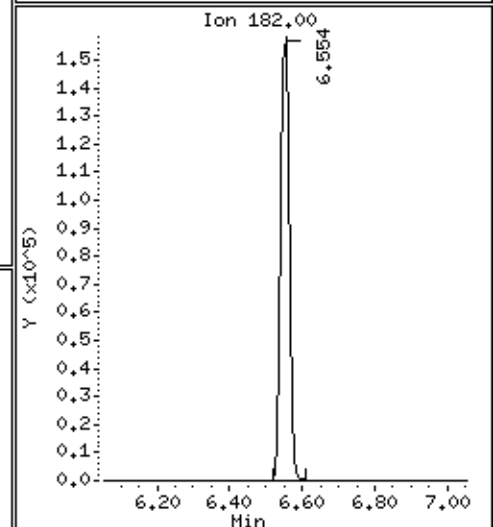
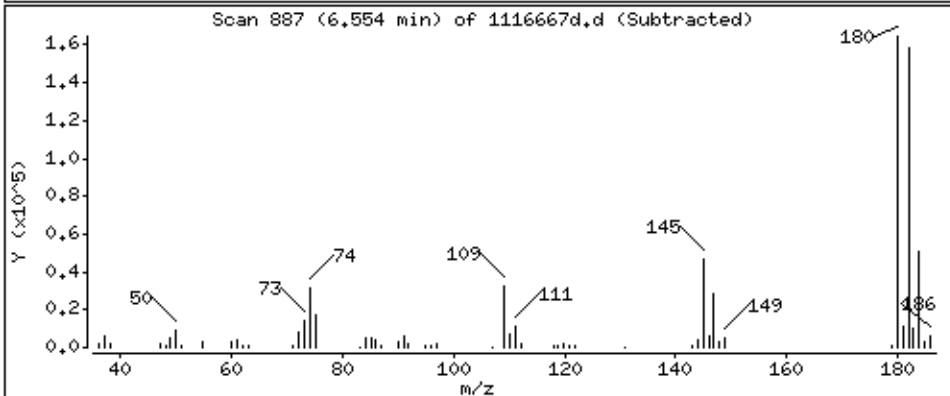
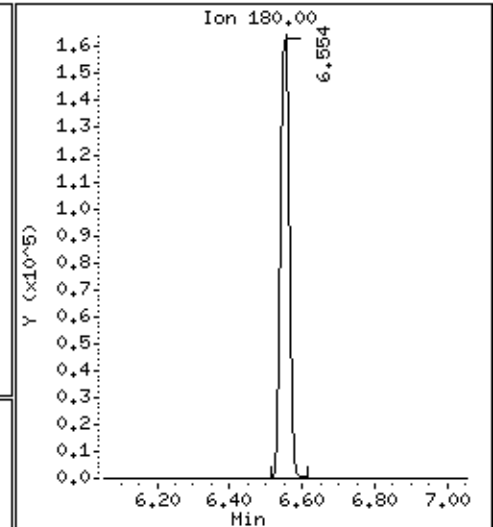
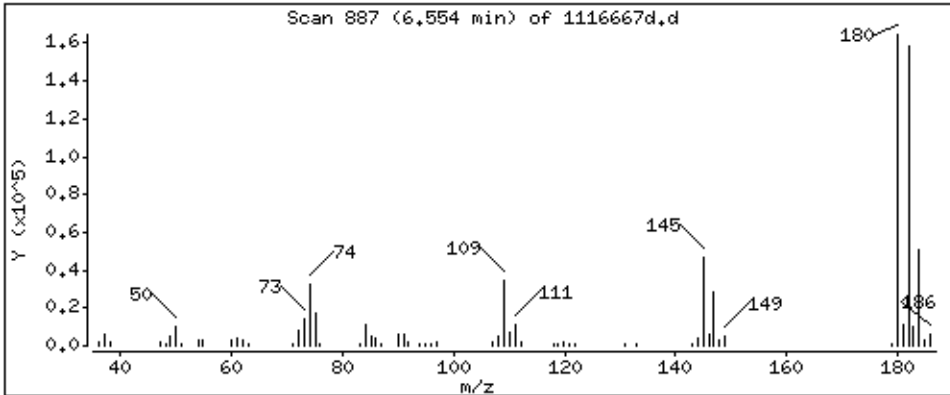
Operator: SN

Column phase: .50um DB-5ms

Column diameter: 0,25

31 1,2,4-Trichlorobenzene

Concentration: 2226 ug/Kg



Date : 25-JUN-2014 14:49

Client ID: P-4 (5-7)MSD

Instrument: 50MSS2.i

Sample Info: 1116667

Volume Injected (uL): 1.0

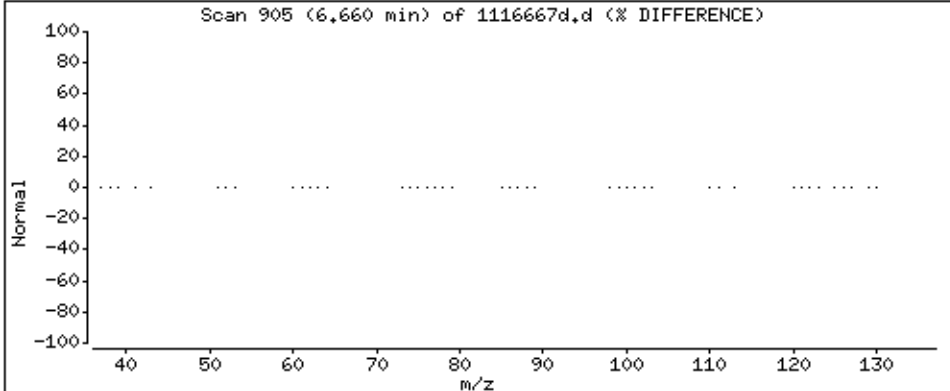
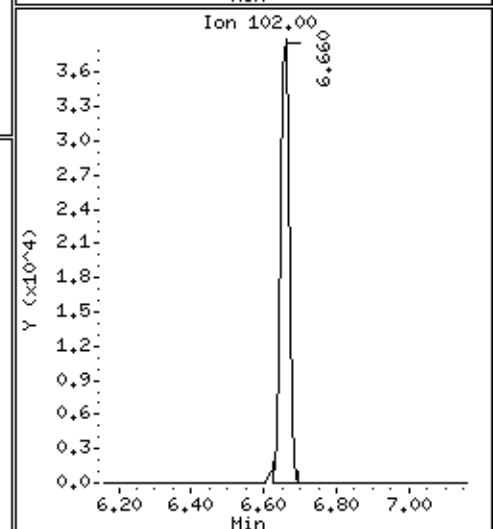
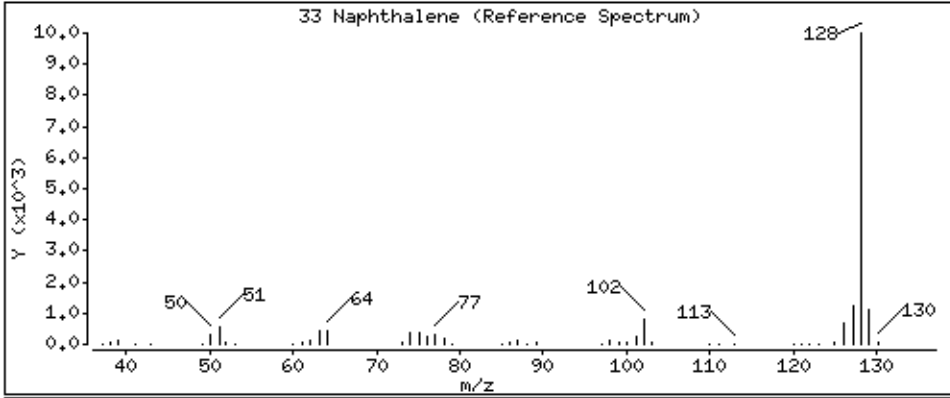
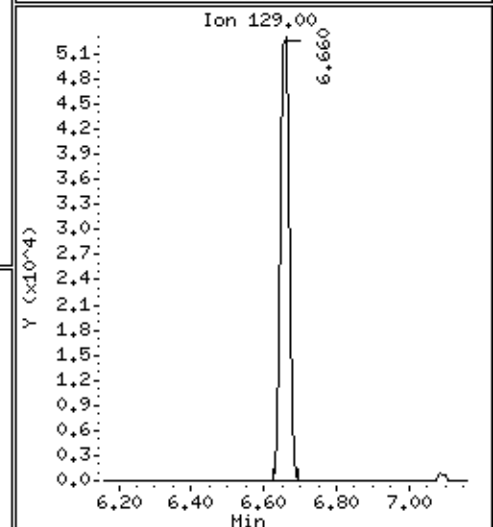
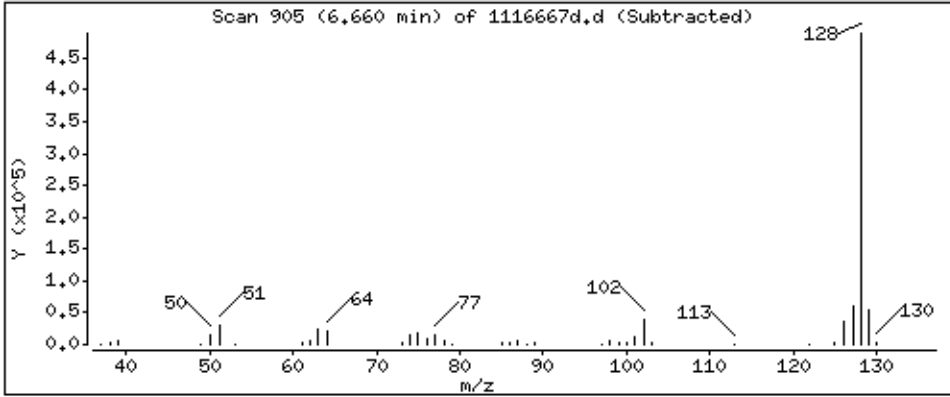
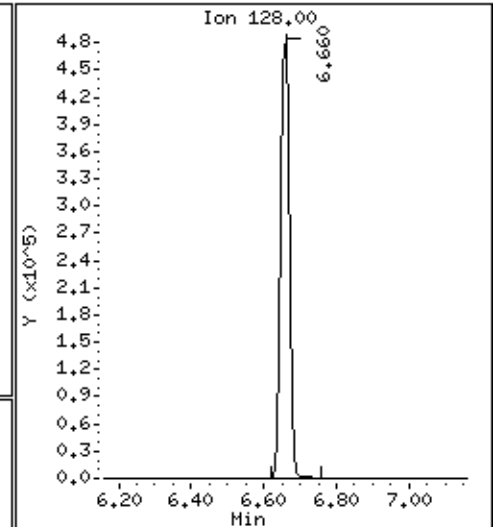
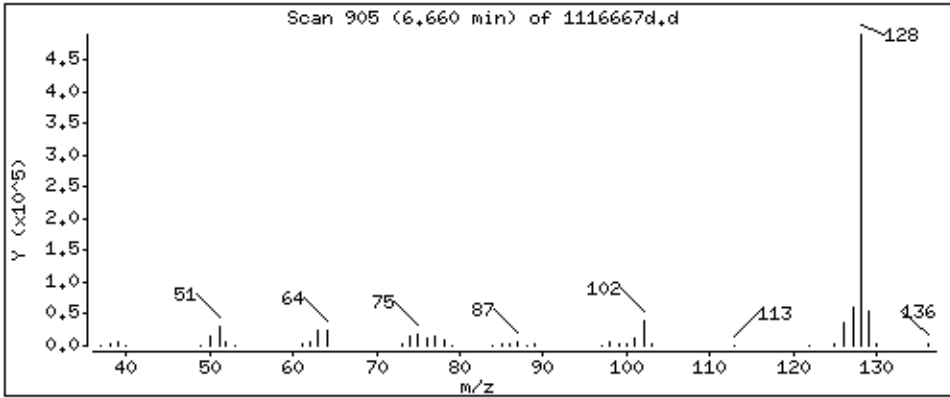
Operator: SN

Column phase: .50um DB-5ms

Column diameter: 0,25

33 Naphthalene

Concentration: 2130 ug/Kg



Date : 25-JUN-2014 14:49

Client ID: P-4 (5-7)MSD

Instrument: 50MSS2.i

Sample Info: 1116667

Volume Injected (uL): 1.0

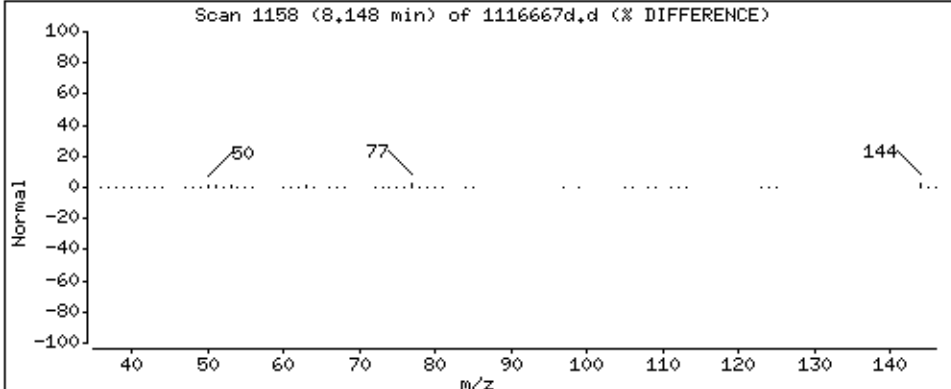
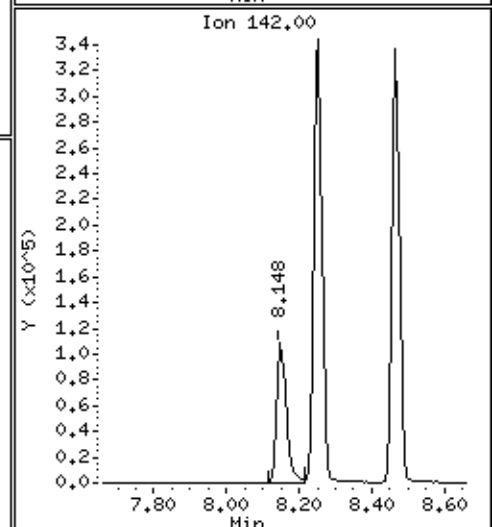
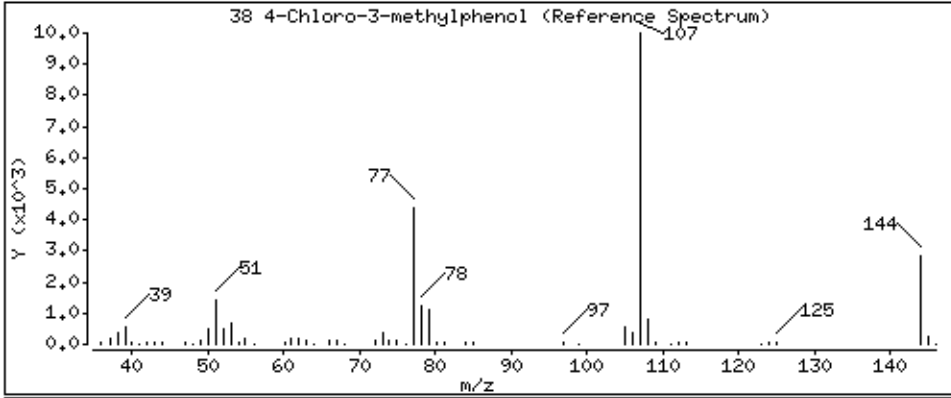
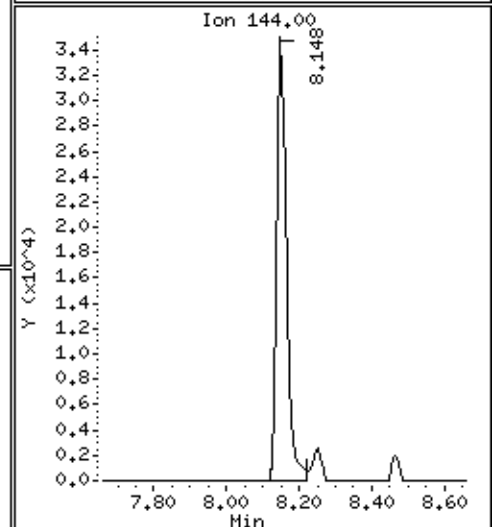
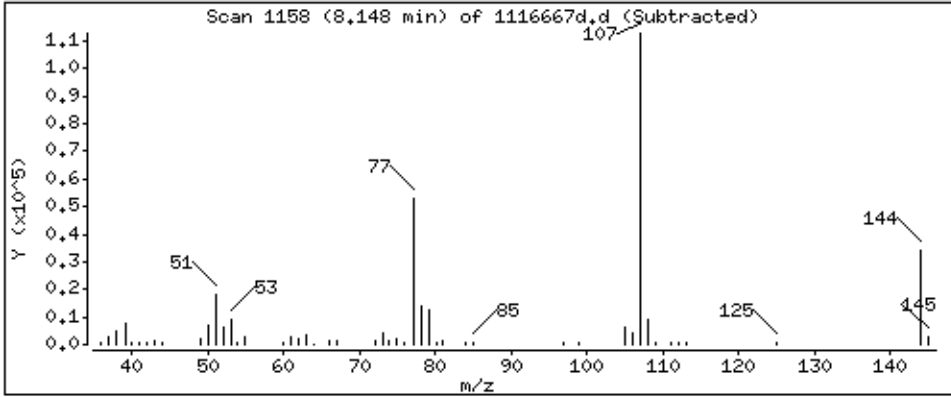
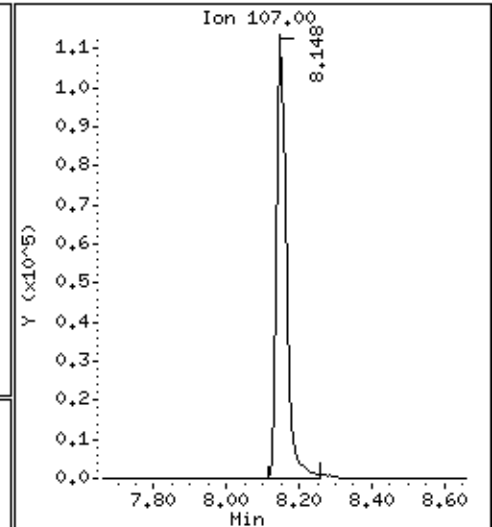
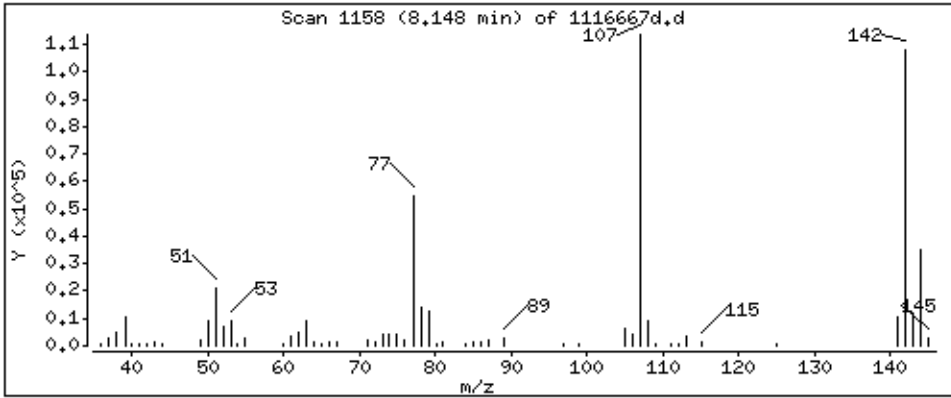
Operator: SN

Column phase: .50um DB-5ms

Column diameter: 0,25

38 4-Chloro-3-methylphenol

Concentration: 2141 ug/Kg



Date : 25-JUN-2014 14:49

Client ID: P-4 (5-7)MSD

Instrument: 50MSS2.i

Sample Info: 1116667

Volume Injected (uL): 1.0

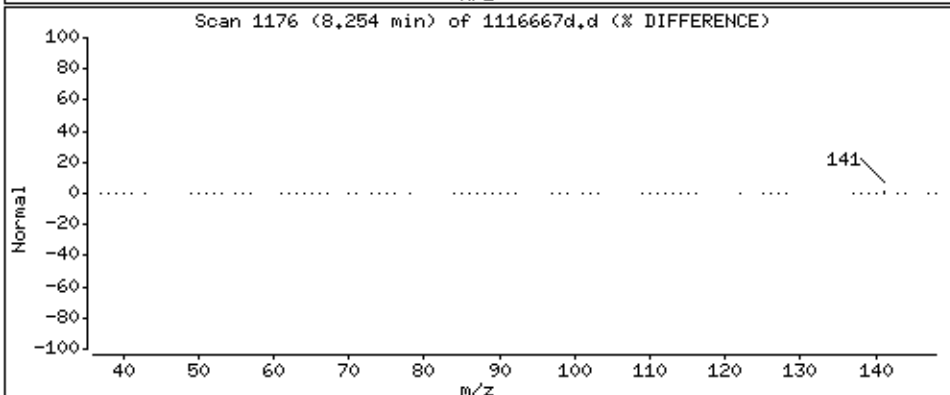
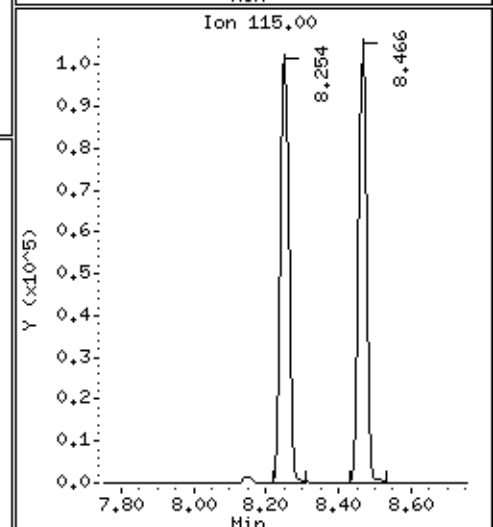
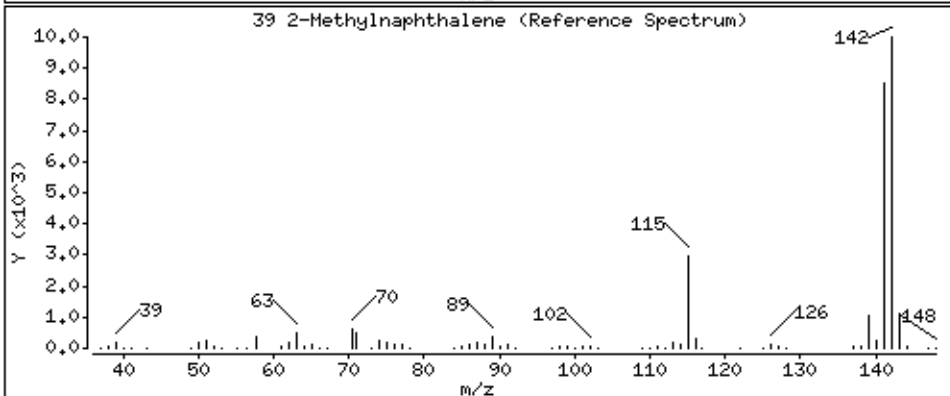
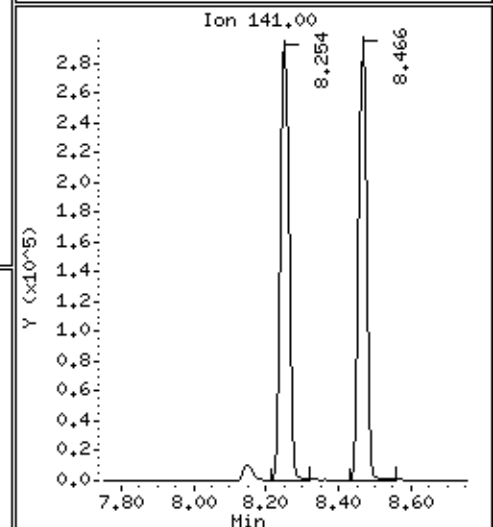
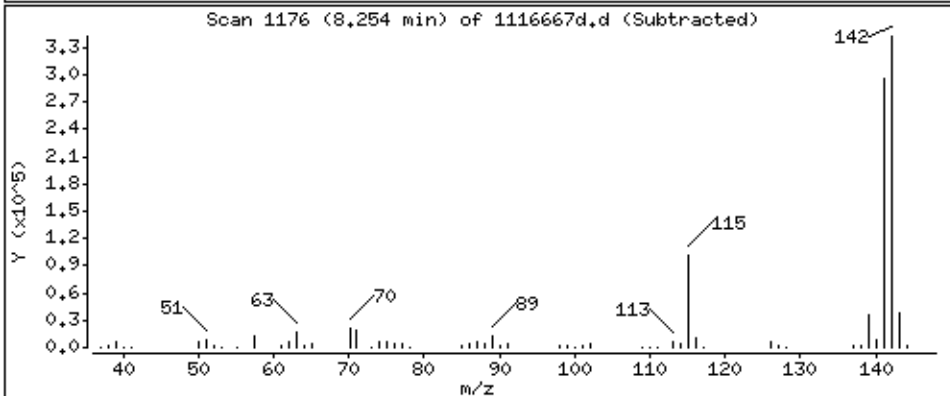
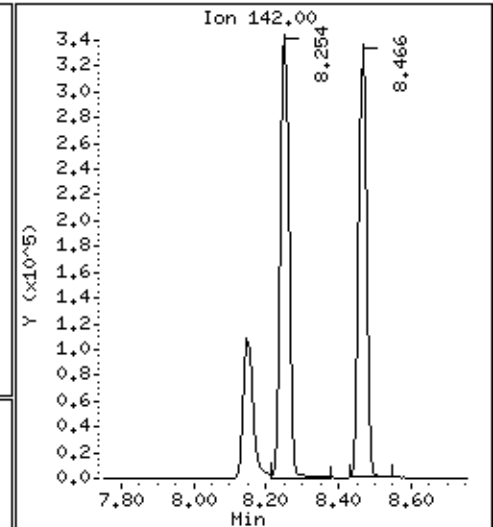
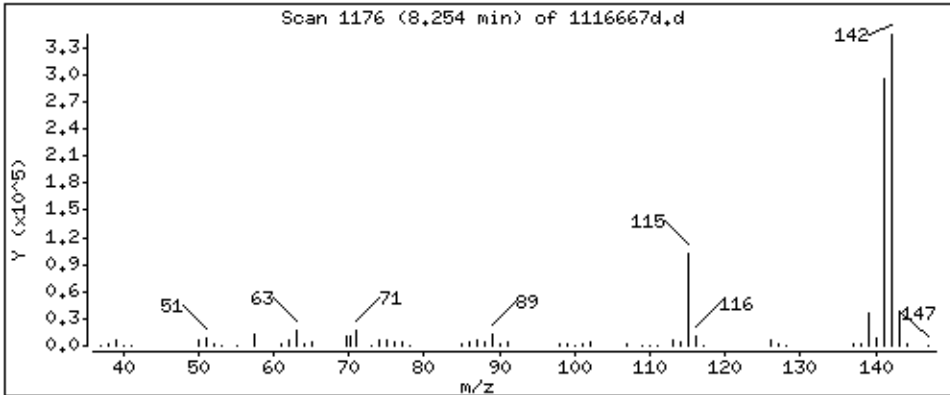
Operator: SN

Column phase: .50um DB-5ms

Column diameter: 0,25

39 2-Methylnaphthalene

Concentration: 2166 ug/Kg



Date : 25-JUN-2014 14:49

Client ID: P-4 (5-7)MSD

Instrument: 50MSS2.i

Sample Info: 1116667

Volume Injected (uL): 1.0

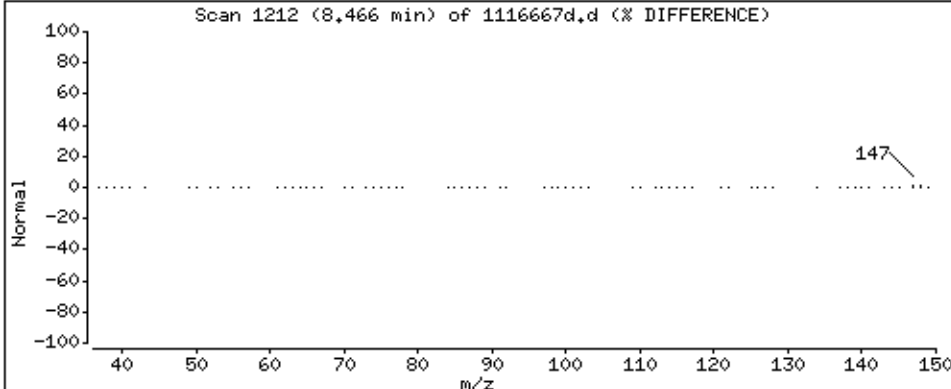
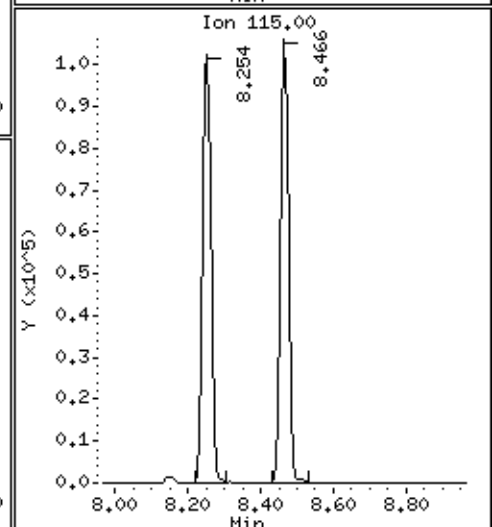
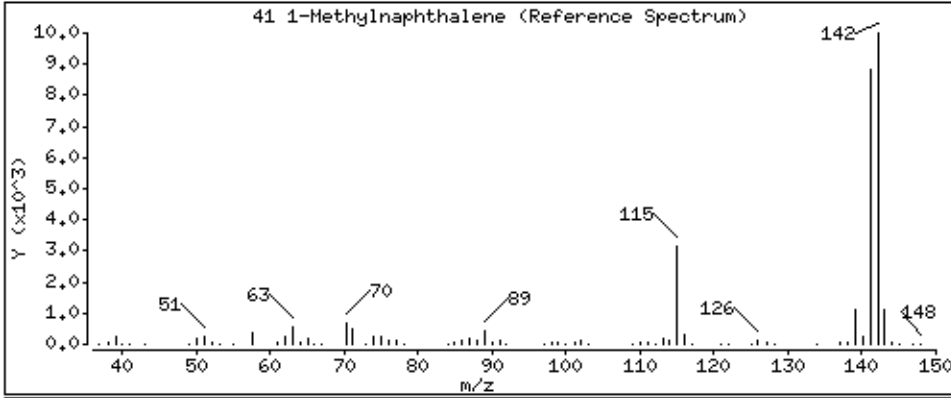
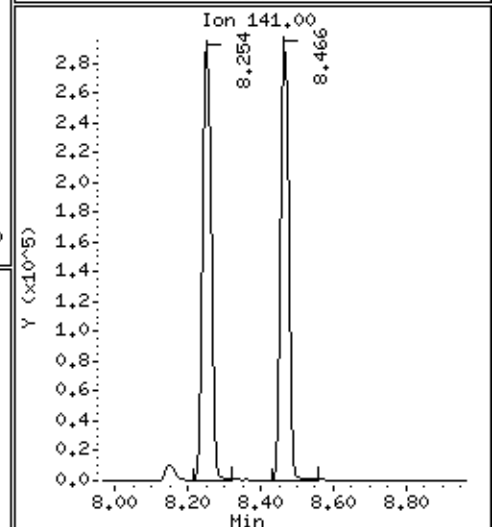
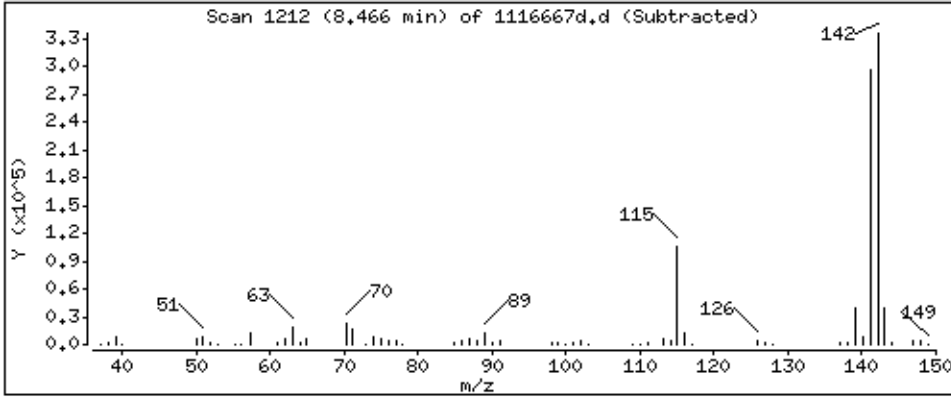
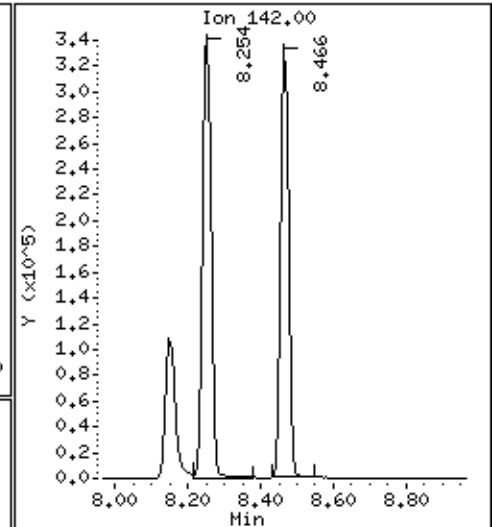
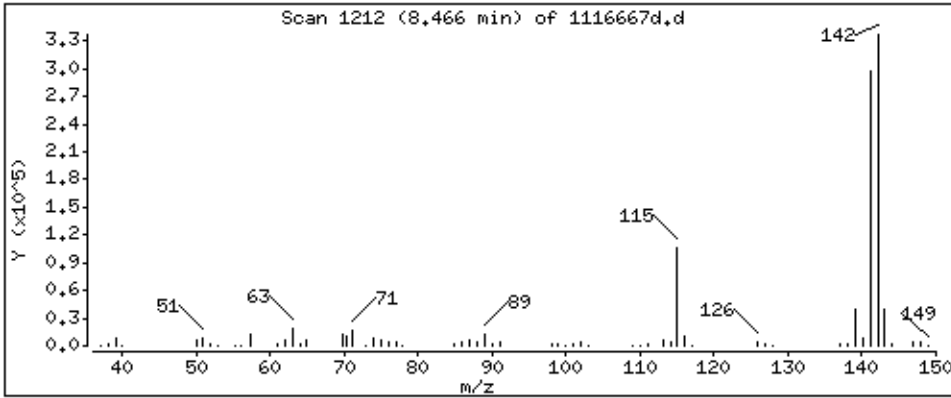
Operator: SN

Column phase: .50um DB-5ms

Column diameter: 0,25

41 1-Methylnaphthalene

Concentration: 1938 ug/Kg



Date : 25-JUN-2014 14:49

Client ID: P-4 (5-7)MSD

Instrument: 50MSS2.i

Sample Info: 1116667

Volume Injected (uL): 1.0

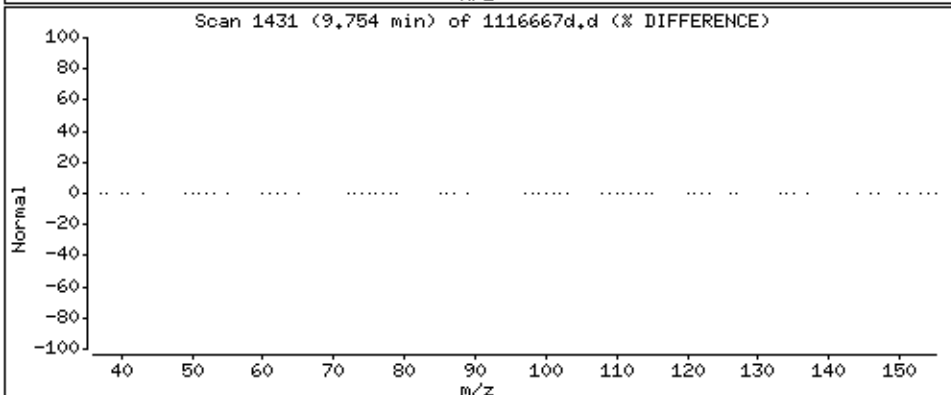
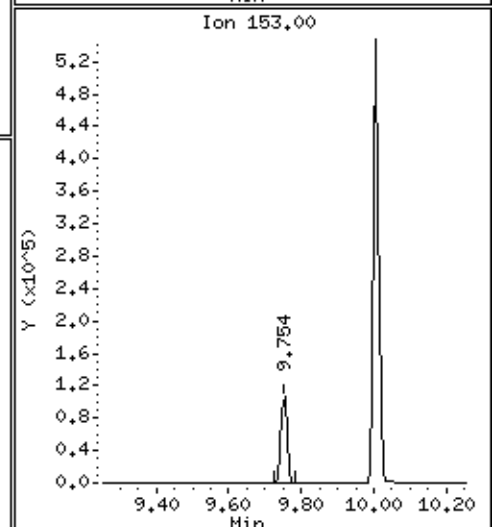
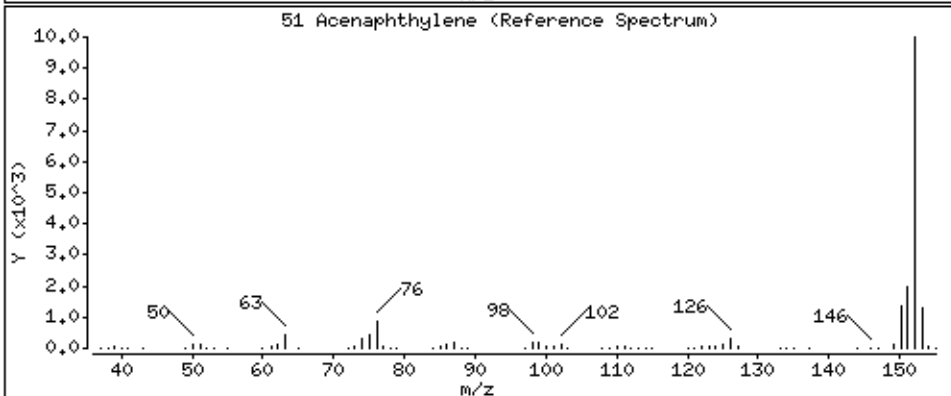
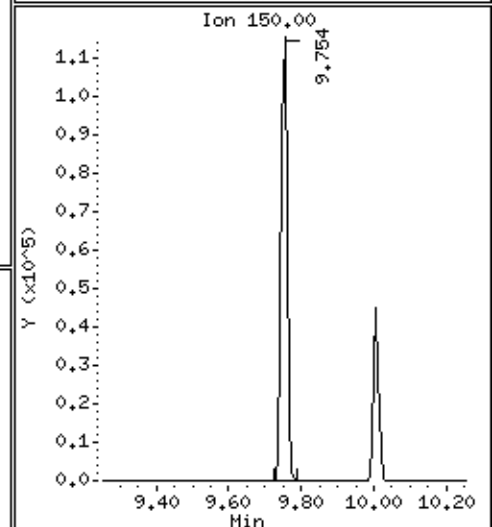
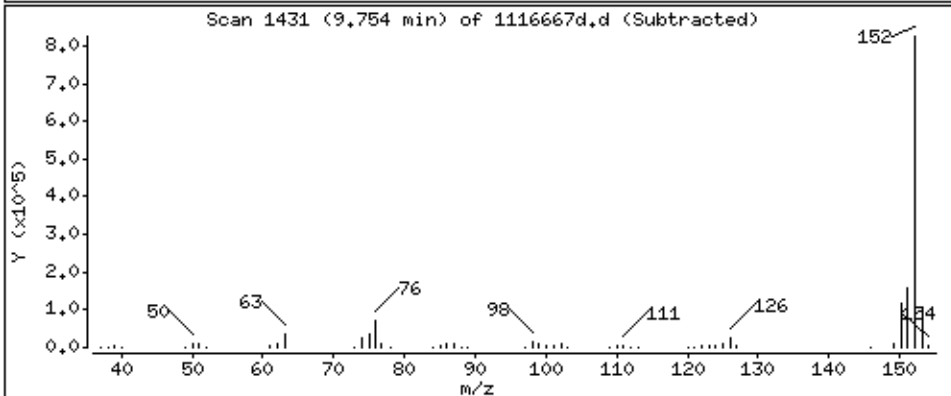
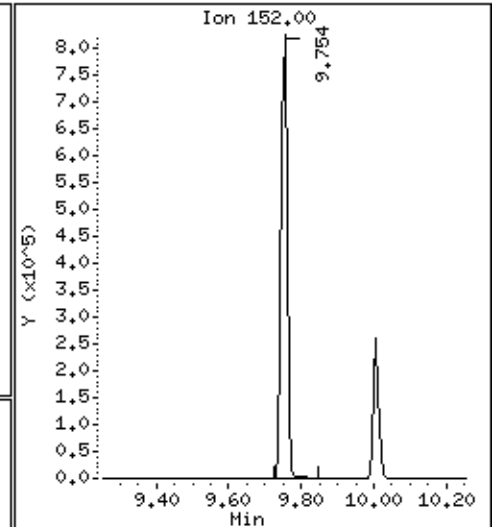
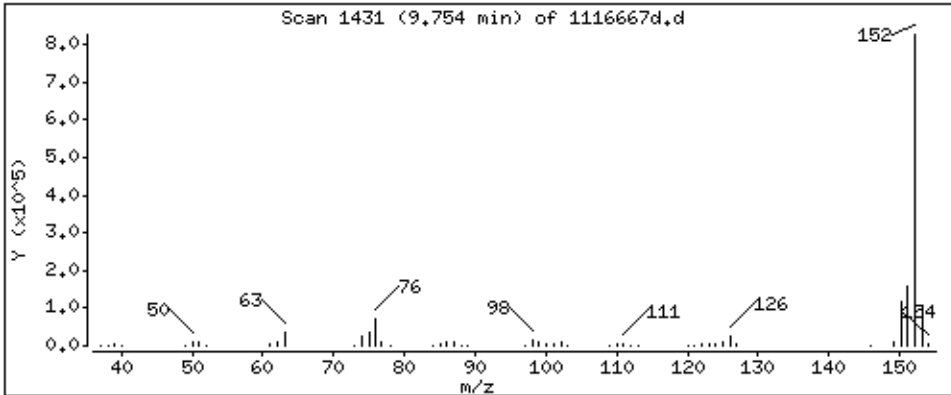
Operator: SN

Column phase: .50um DB-5ms

Column diameter: 0,25

51 Acenaphthylene

Concentration: 2192 ug/Kg



Date : 25-JUN-2014 14:49

Client ID: P-4 (5-7)MSD

Instrument: 50MSS2.i

Sample Info: 1116667

Volume Injected (uL): 1.0

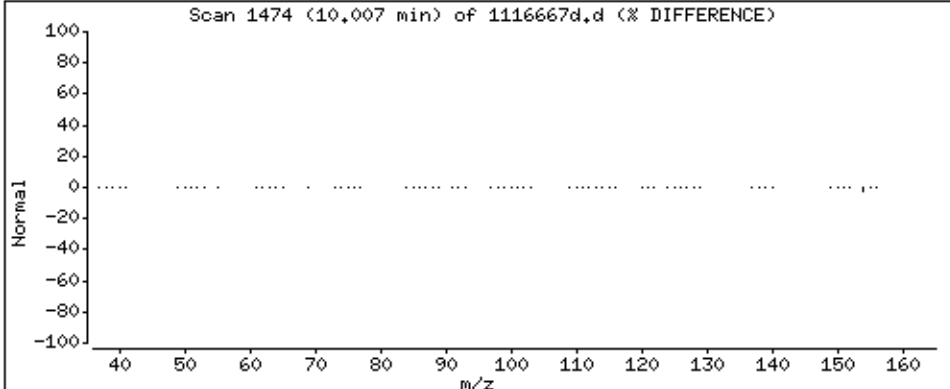
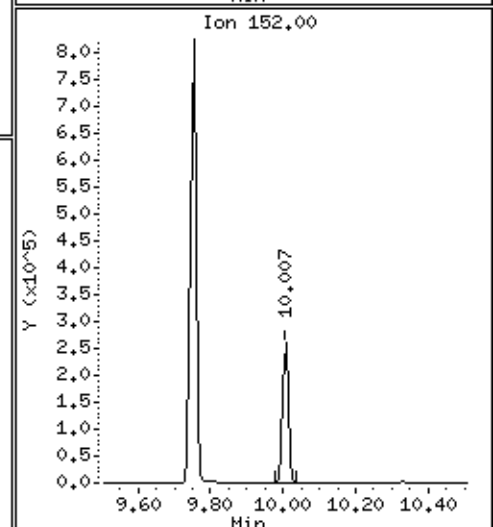
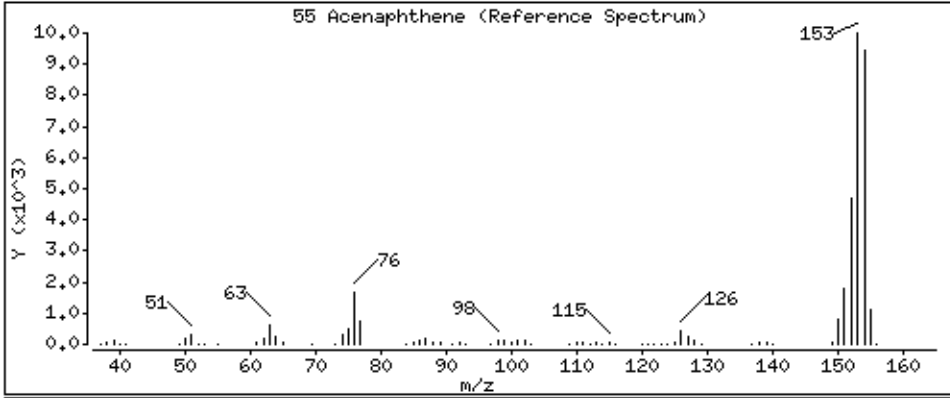
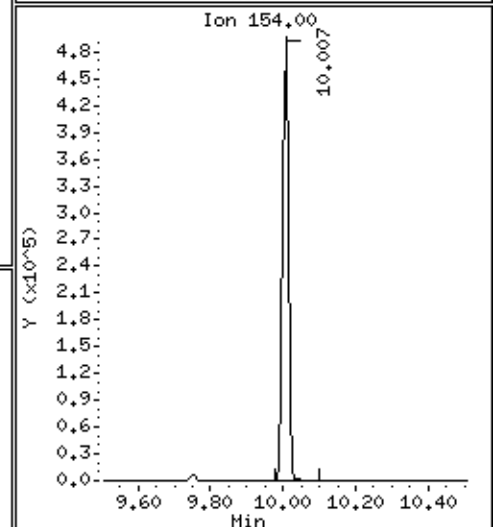
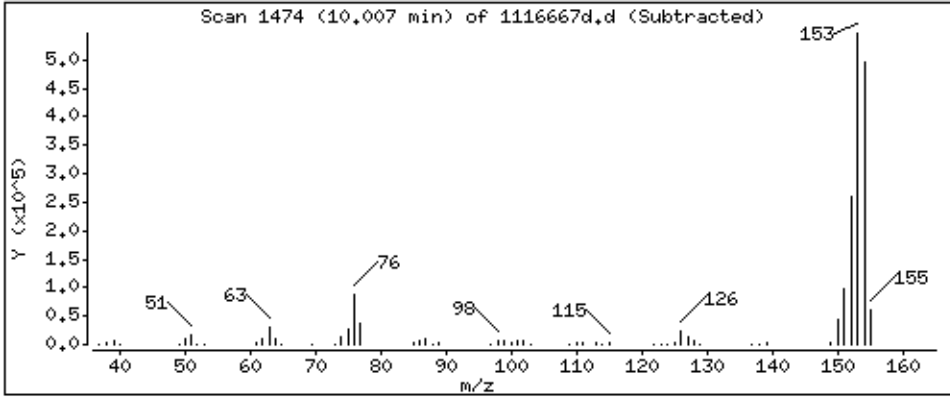
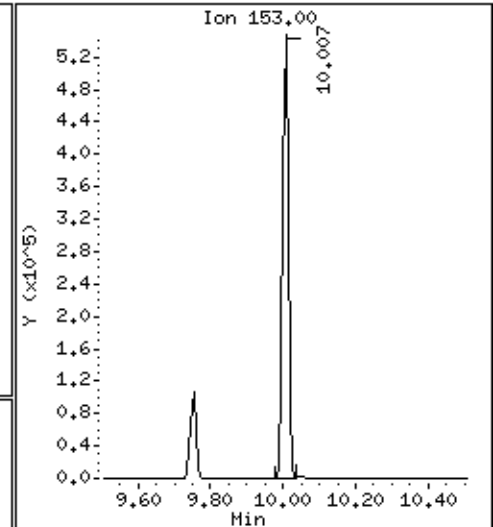
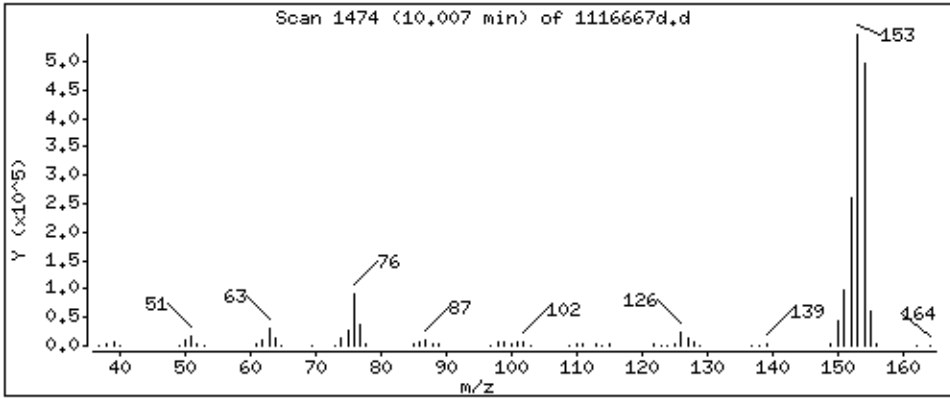
Operator: SN

Column phase: .50um DB-5ms

Column diameter: 0,25

55 Acenaphthene

Concentration: 2182 ug/Kg



Date : 25-JUN-2014 14:49

Client ID: P-4 (5-7)MSD

Instrument: 50MSS2.i

Sample Info: 1116667

Volume Injected (uL): 1.0

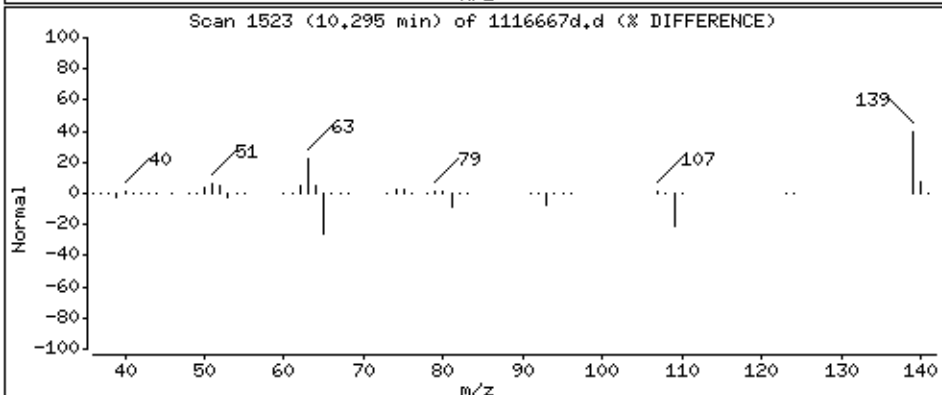
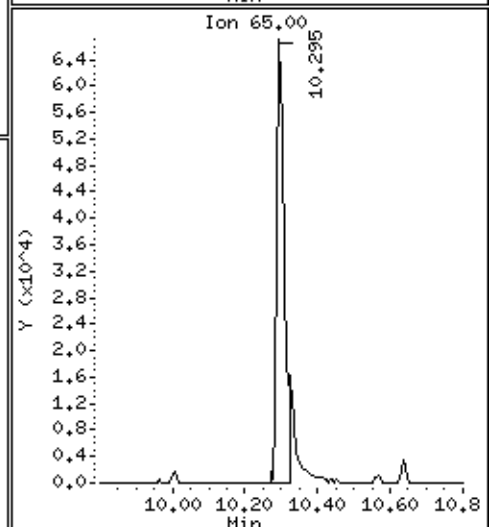
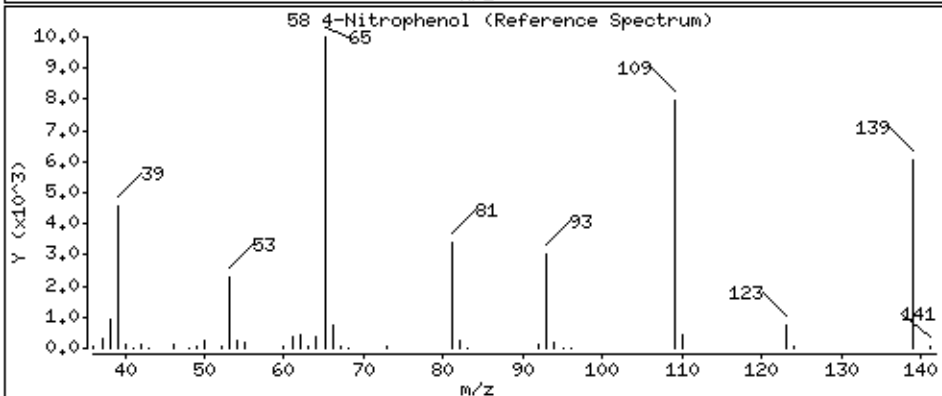
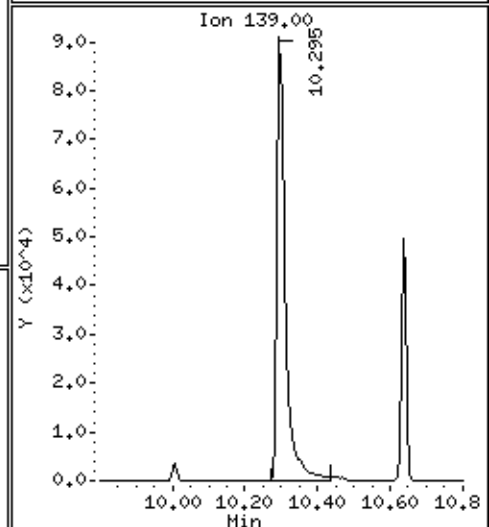
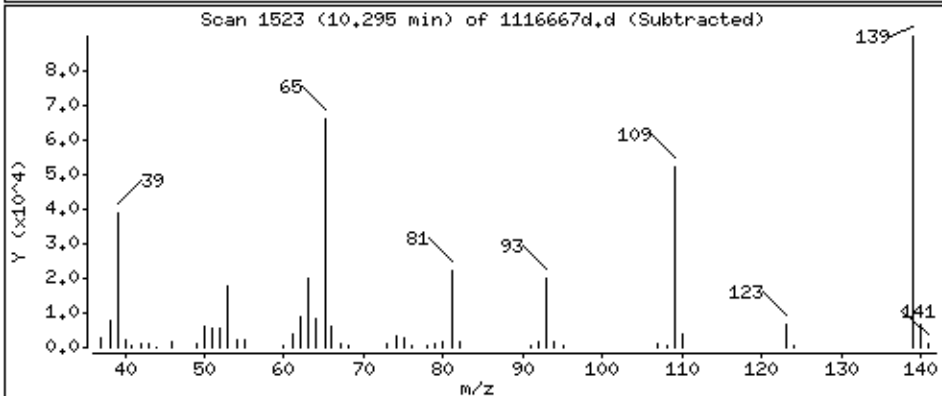
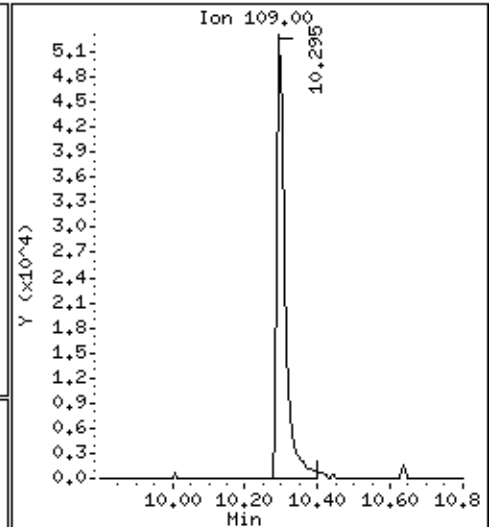
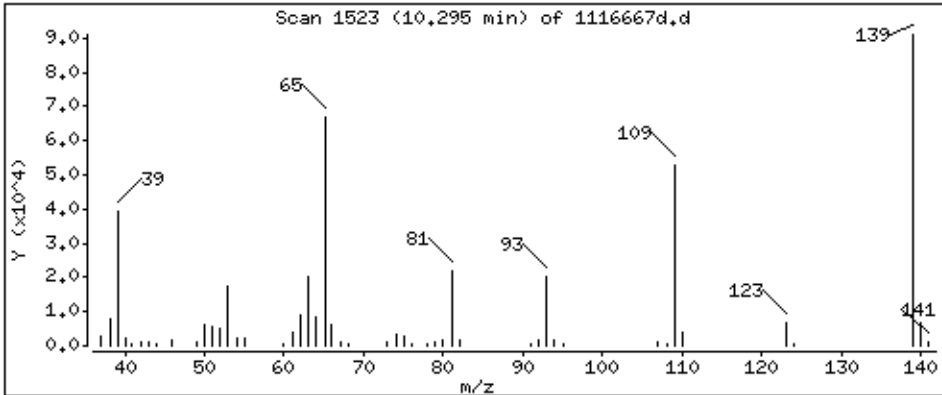
Operator: SN

Column phase: .50um DB-5ms

Column diameter: 0,25

58 4-Nitrophenol

Concentration: 2446 ug/Kg



Date : 25-JUN-2014 14:49

Client ID: P-4 (5-7)MSD

Instrument: 50MSS2.i

Sample Info: 1116667

Volume Injected (uL): 1.0

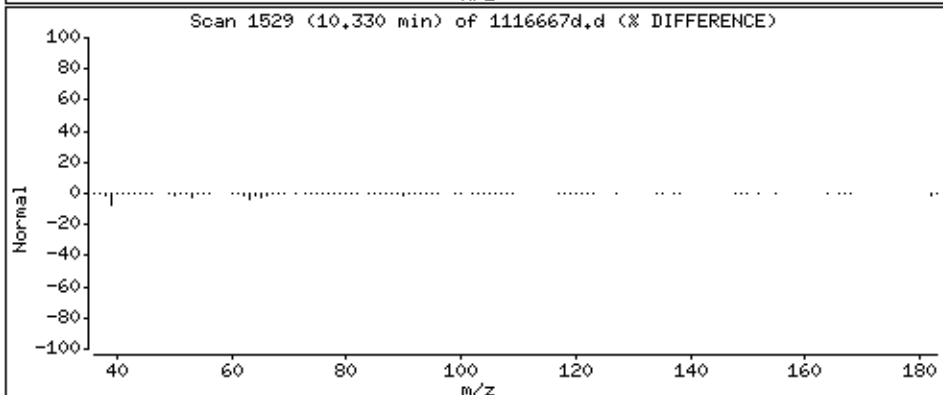
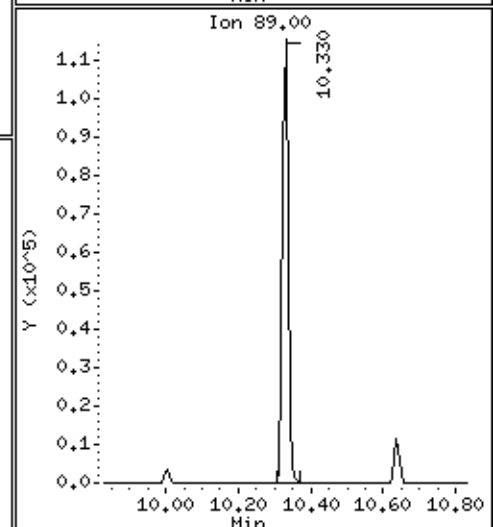
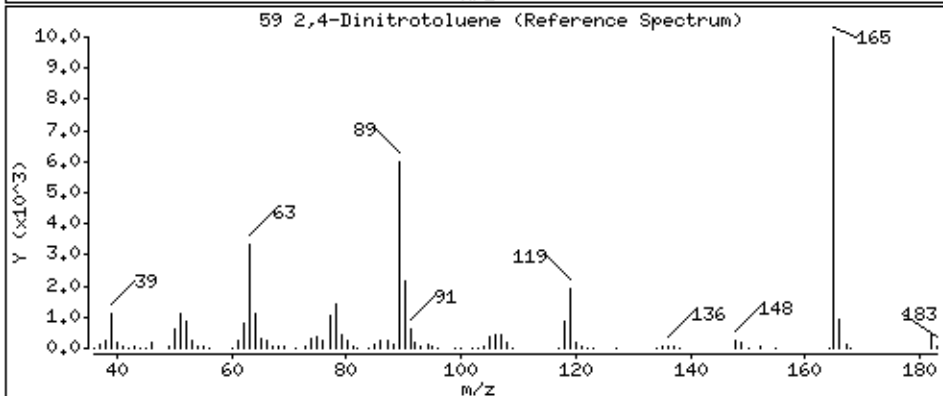
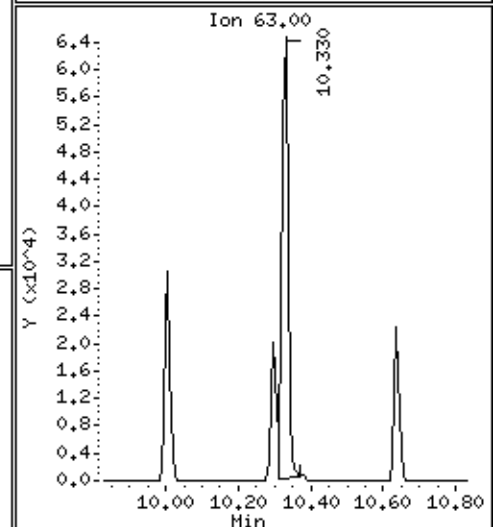
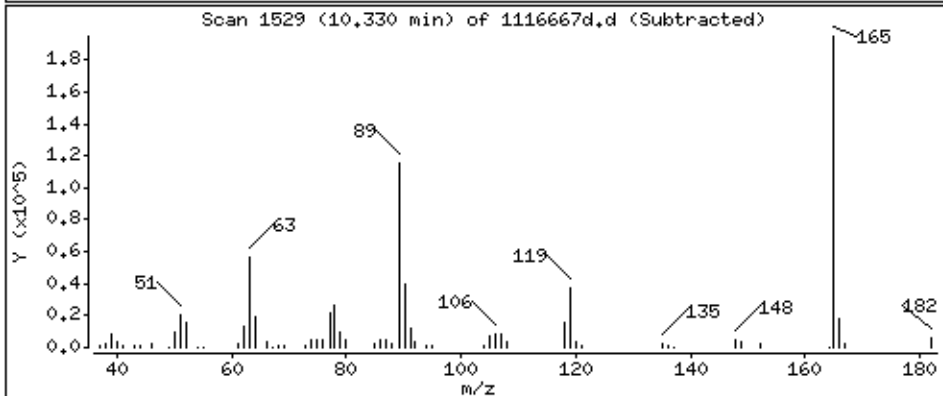
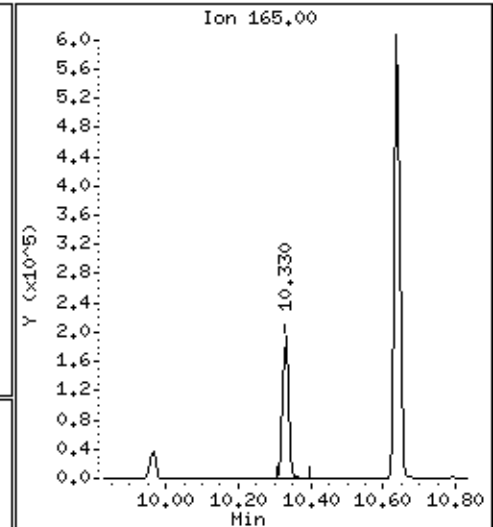
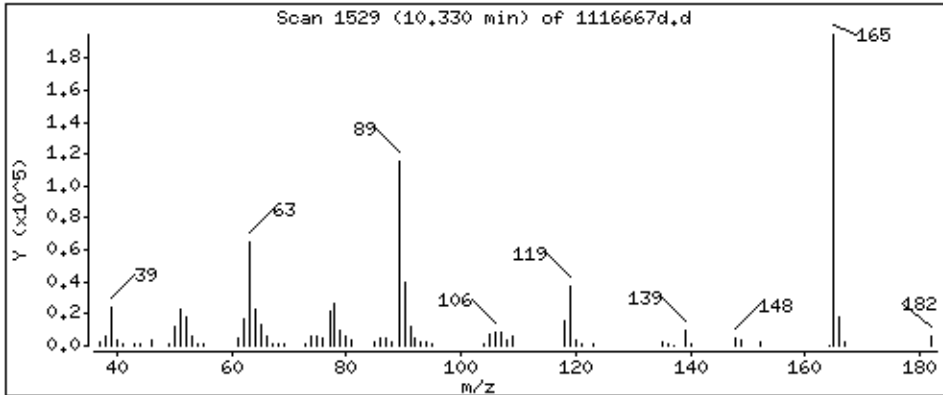
Operator: SN

Column phase: .50um DB-5ms

Column diameter: 0,25

59 2,4-Dinitrotoluene

Concentration: 2380 ug/Kg



Date : 25-JUN-2014 14:49

Client ID: P-4 (5-7)MSD

Instrument: 50MSS2.i

Sample Info: 1116667

Volume Injected (uL): 1.0

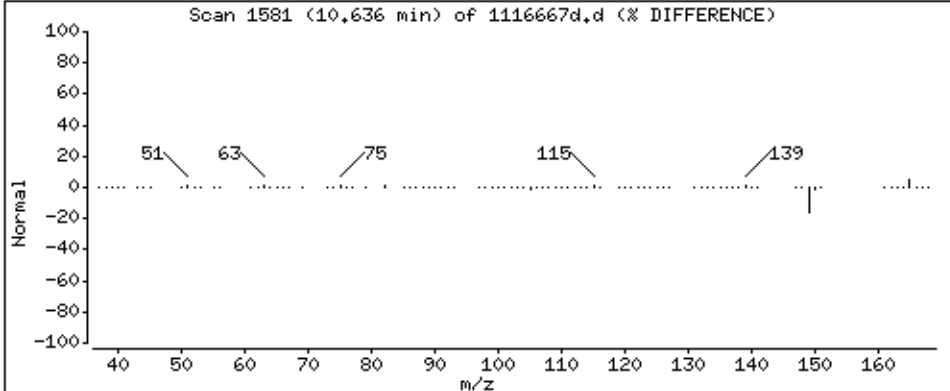
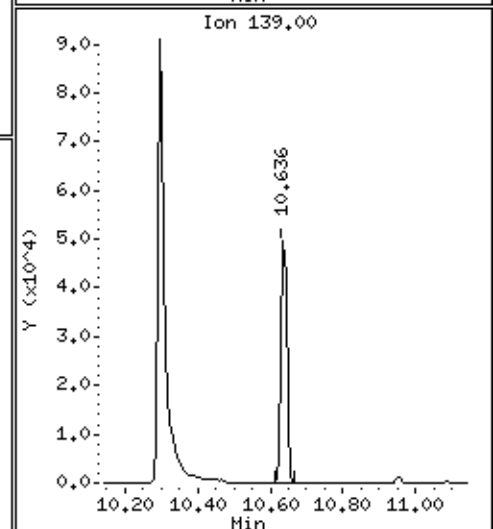
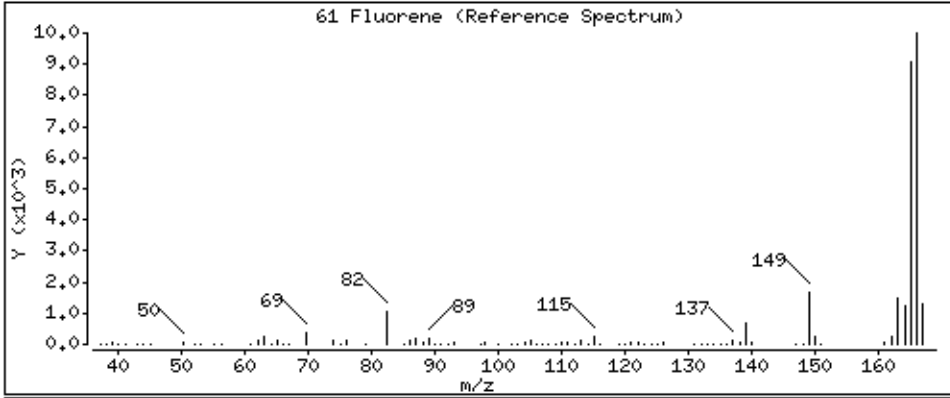
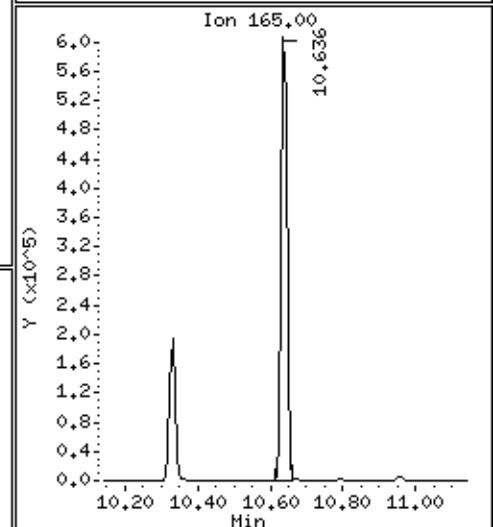
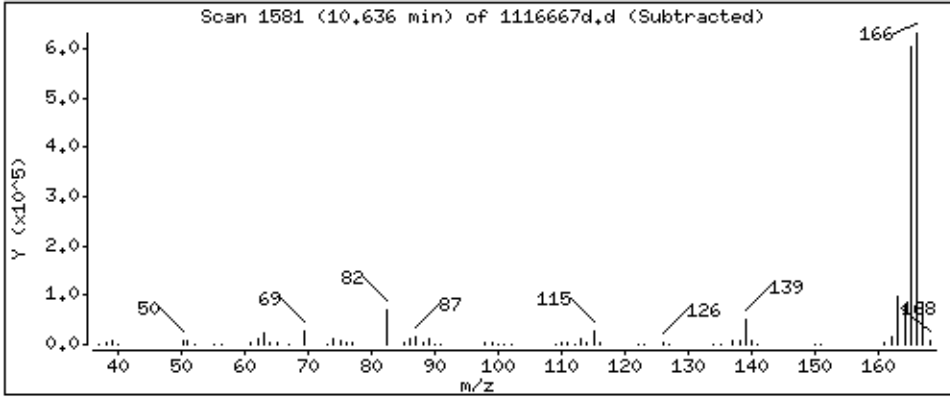
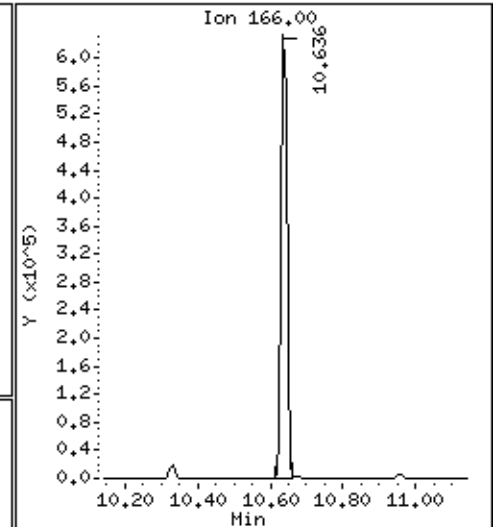
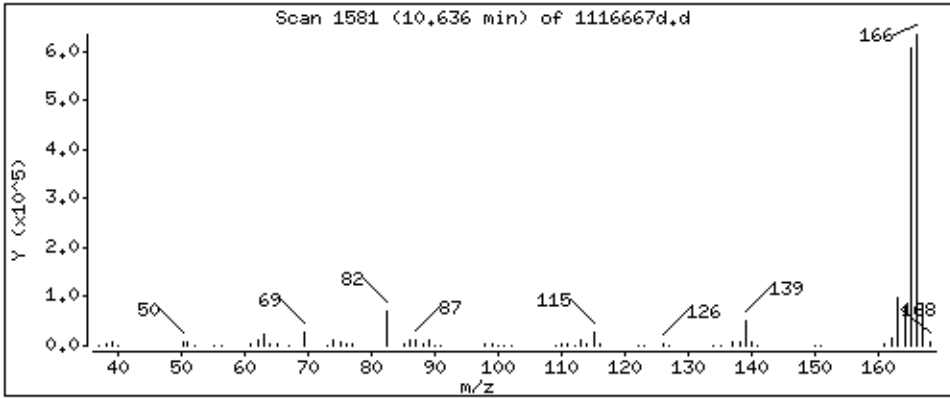
Operator: SN

Column phase: .50um DB-5ms

Column diameter: 0,25

61 Fluorene

Concentration: 2260 ug/Kg



Date : 25-JUN-2014 14:49

Client ID: P-4 (5-7)MSD

Instrument: 50MSS2.i

Sample Info: 1116667

Volume Injected (uL): 1.0

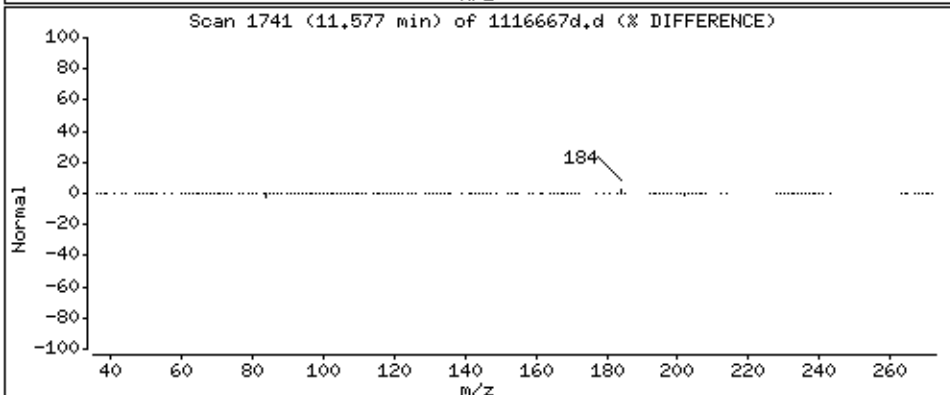
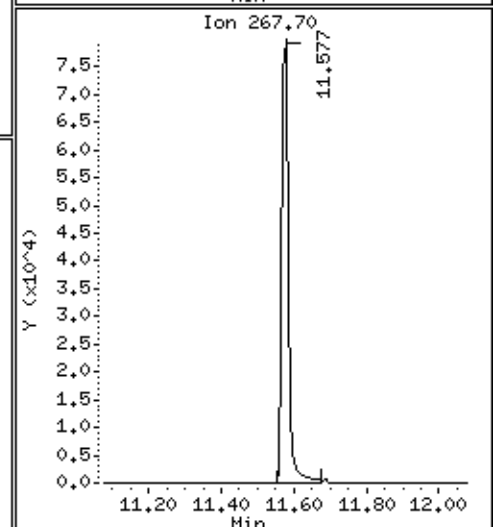
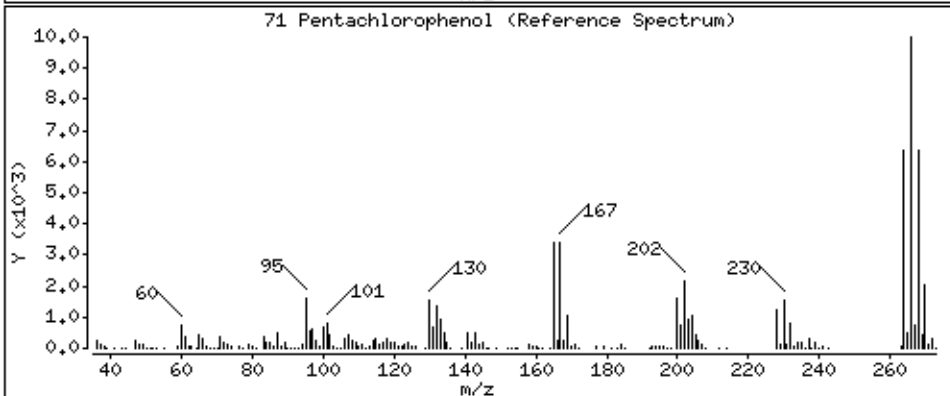
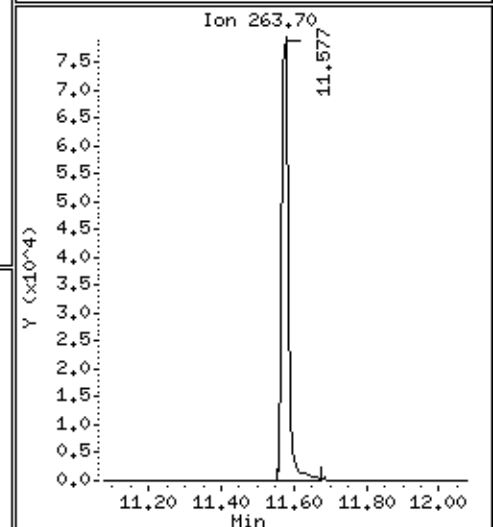
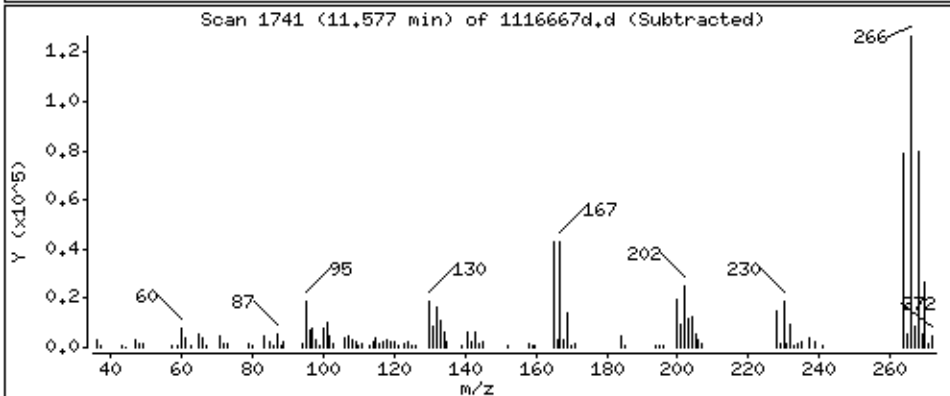
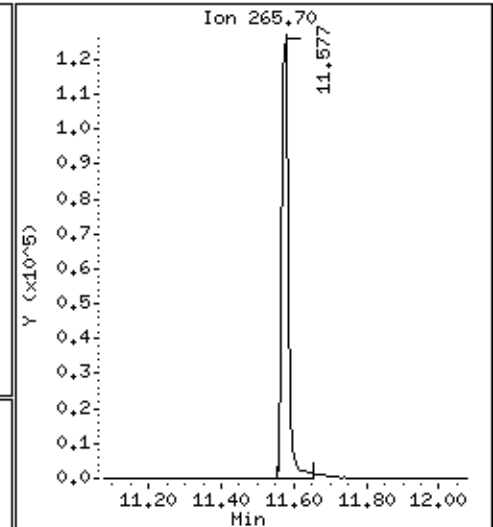
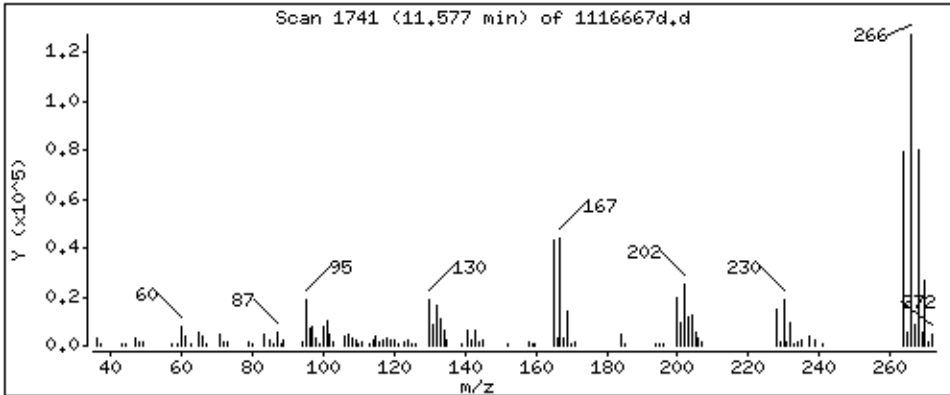
Operator: SN

Column phase: .50um DB-5ms

Column diameter: 0,25

71 Pentachlorophenol

Concentration: 2121 ug/Kg



Date : 25-JUN-2014 14:49

Client ID: P-4 (5-7)MSD

Instrument: 50MSS2.i

Sample Info: 1116667

Volume Injected (uL): 1.0

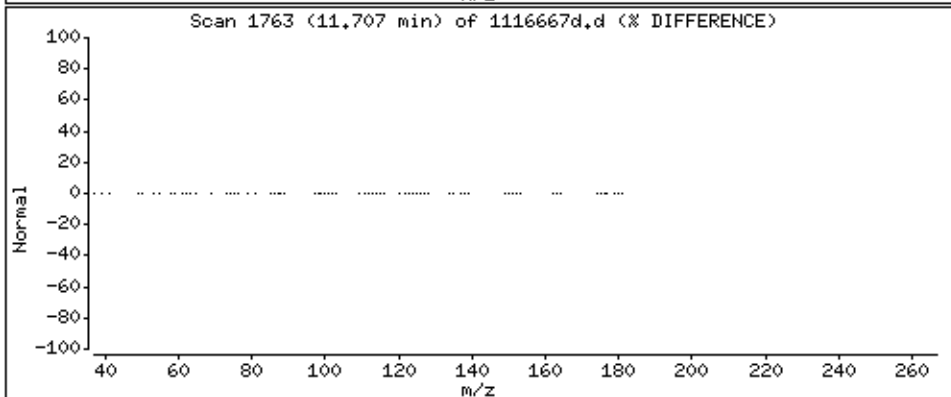
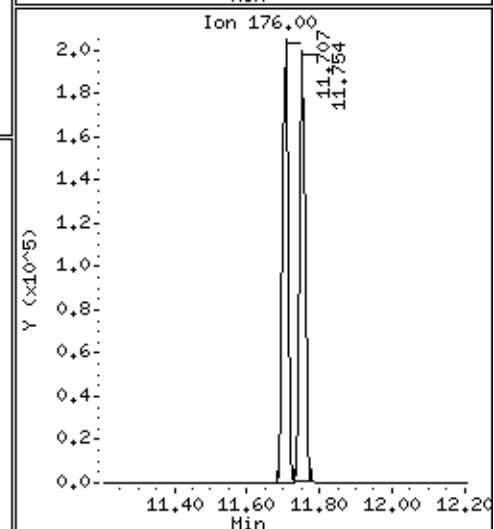
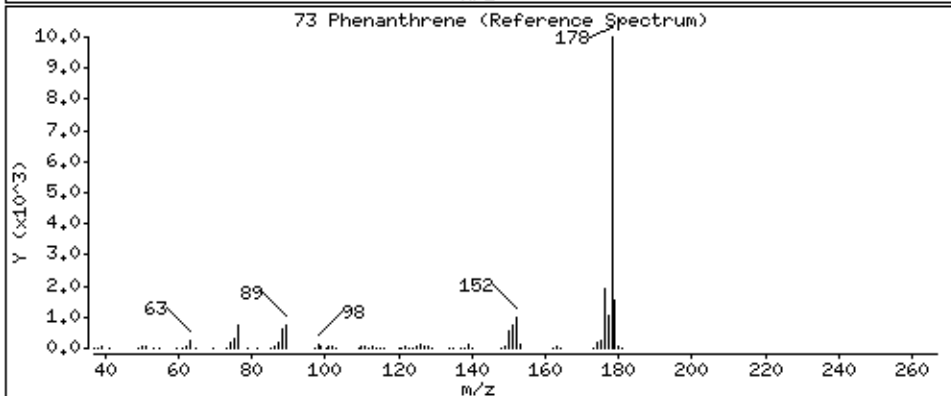
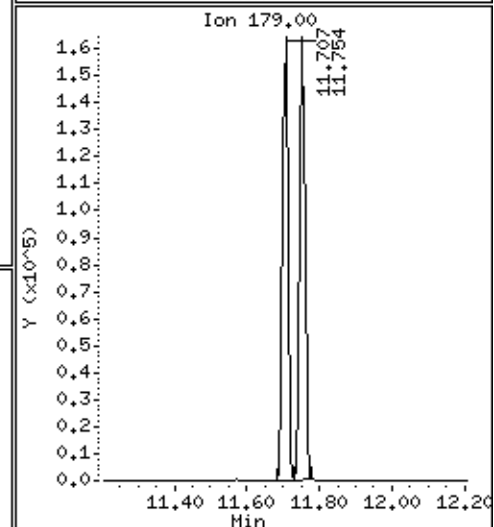
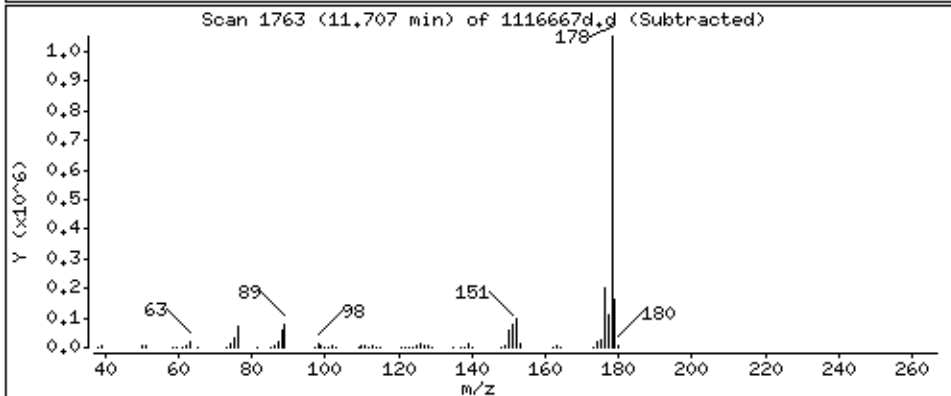
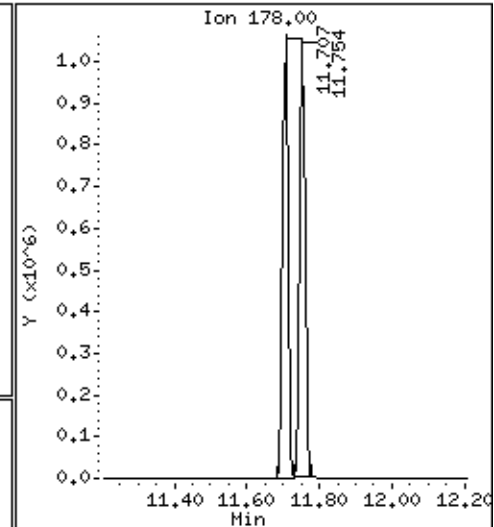
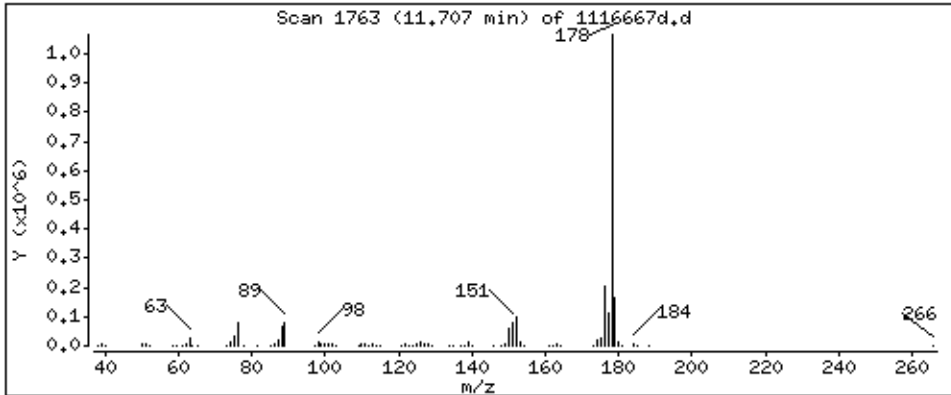
Operator: SN

Column phase: .50um DB-5ms

Column diameter: 0,25

73 Phenanthrene

Concentration: 2190 ug/Kg



Date : 25-JUN-2014 14:49

Client ID: P-4 (5-7)MSD

Instrument: 50MSS2.i

Sample Info: 1116667

Volume Injected (uL): 1.0

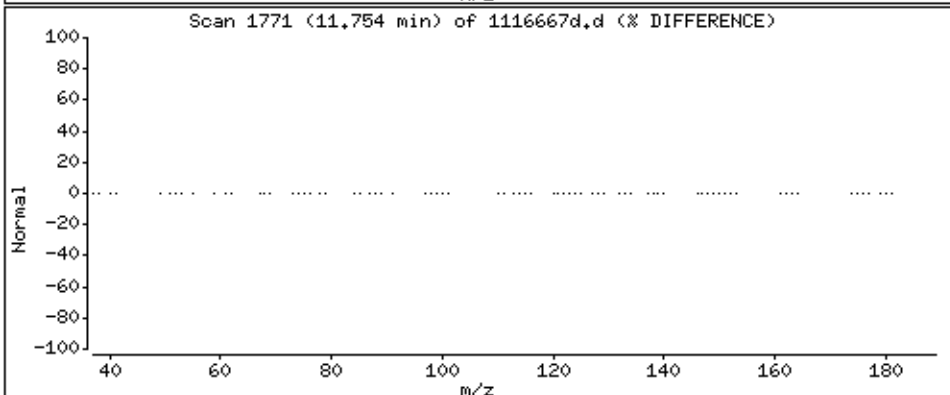
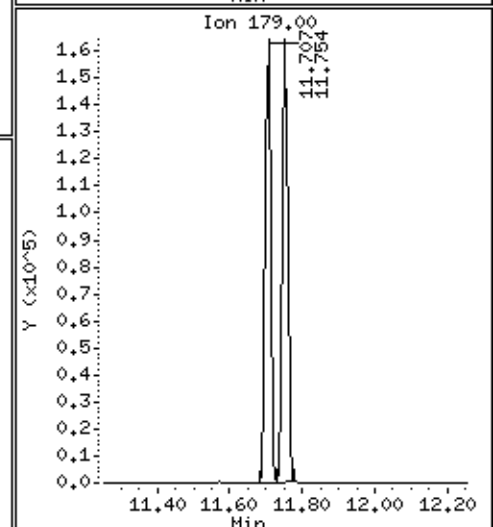
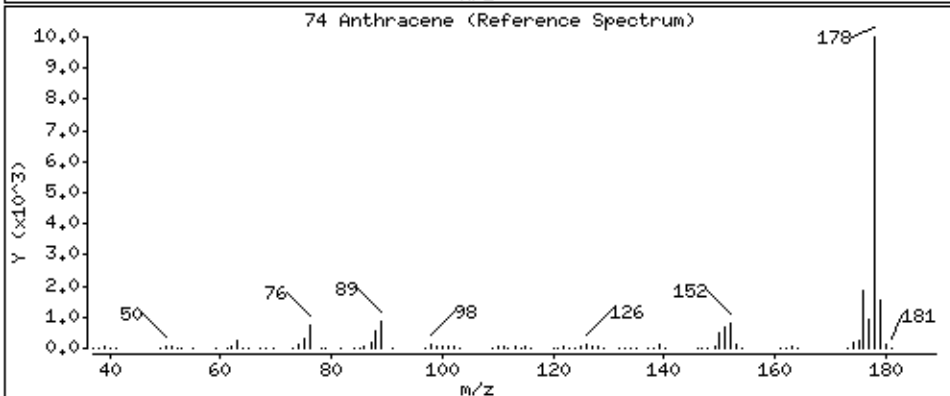
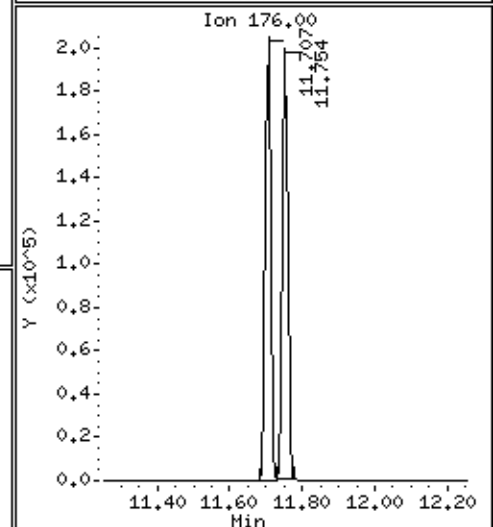
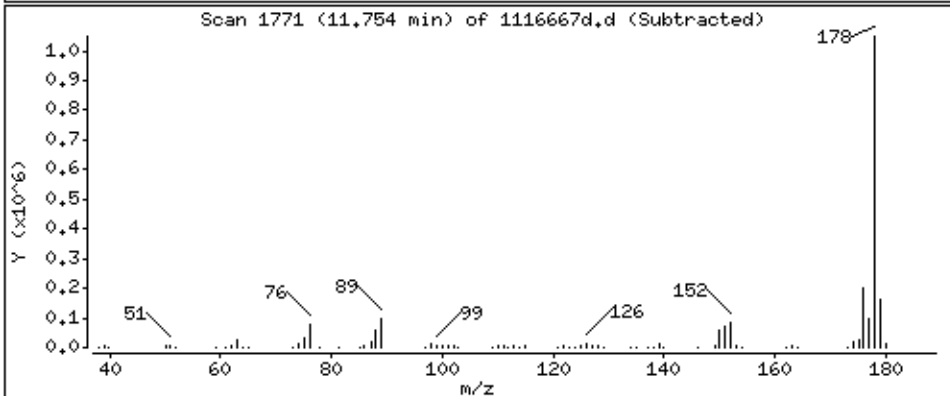
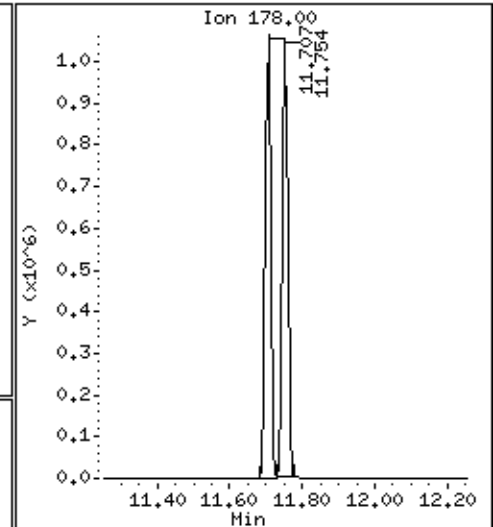
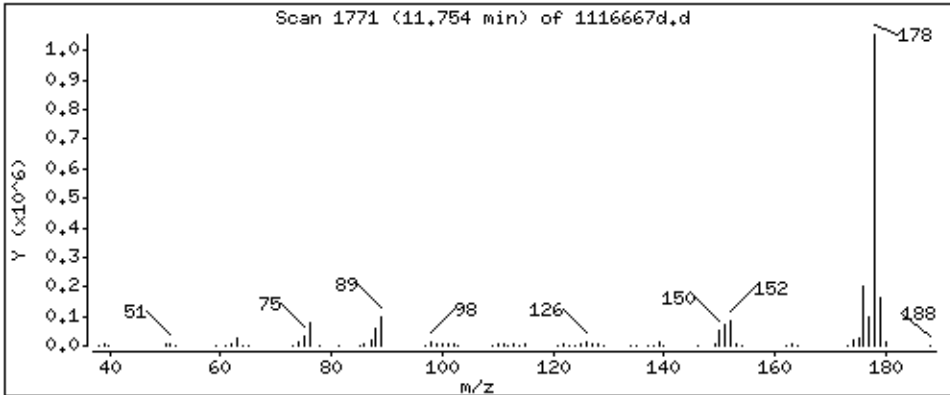
Operator: SN

Column phase: .50um DB-5ms

Column diameter: 0,25

74 Anthracene

Concentration: 2192 ug/Kg



Date : 25-JUN-2014 14:49

Client ID: P-4 (5-7)MSD

Instrument: 50MSS2.i

Sample Info: 1116667

Volume Injected (uL): 1.0

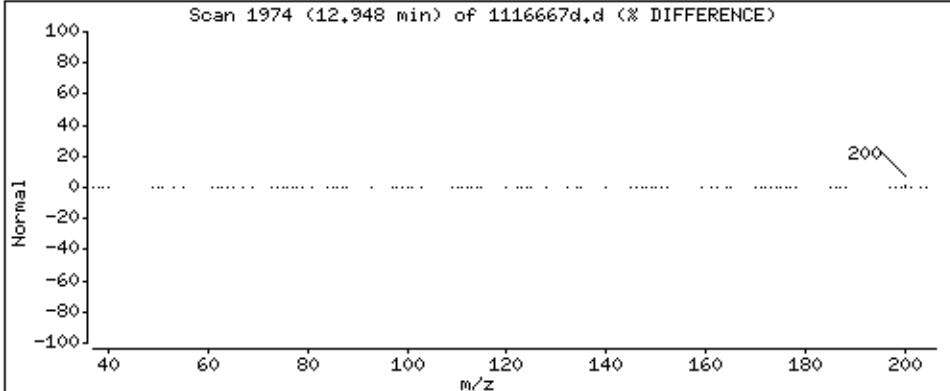
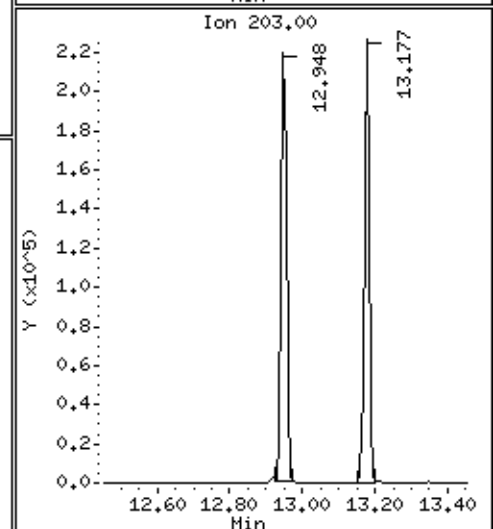
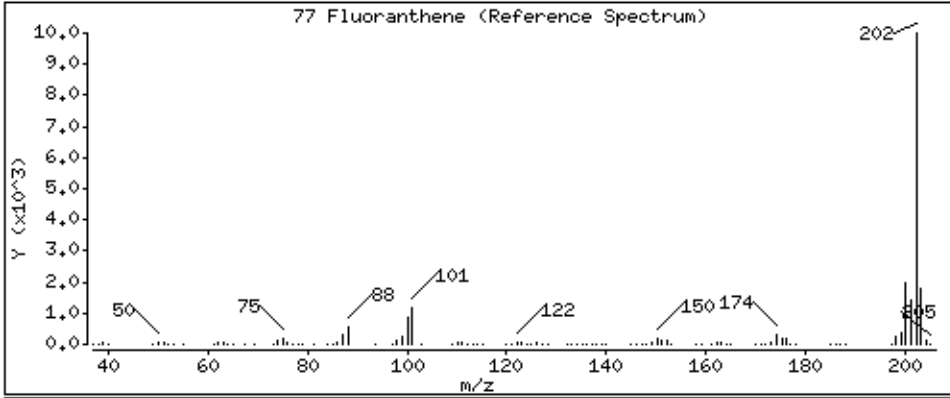
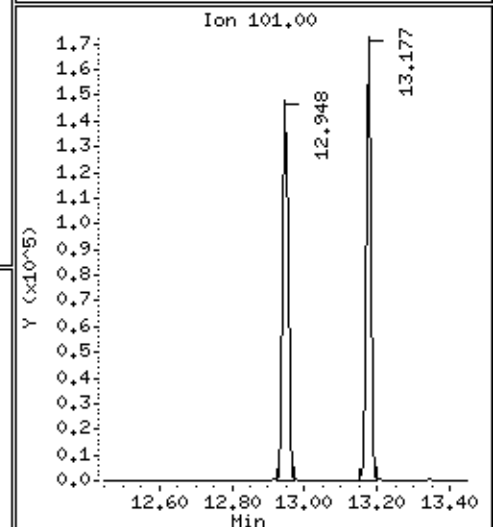
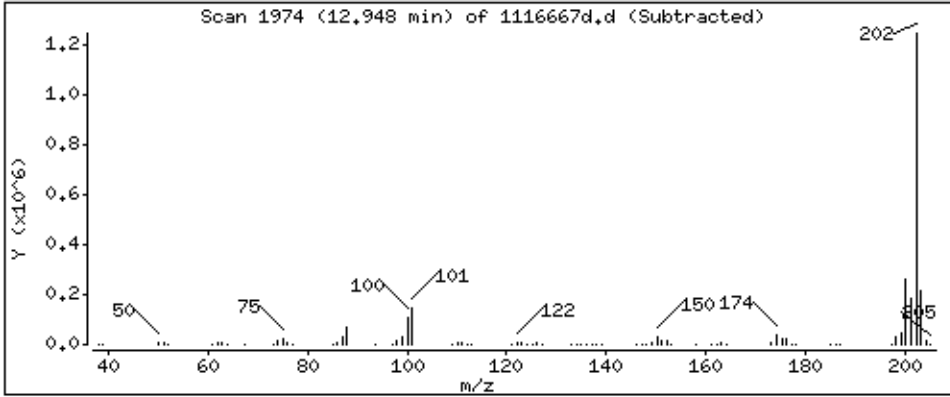
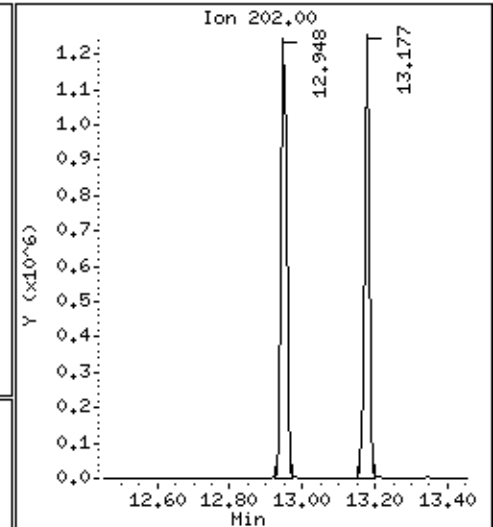
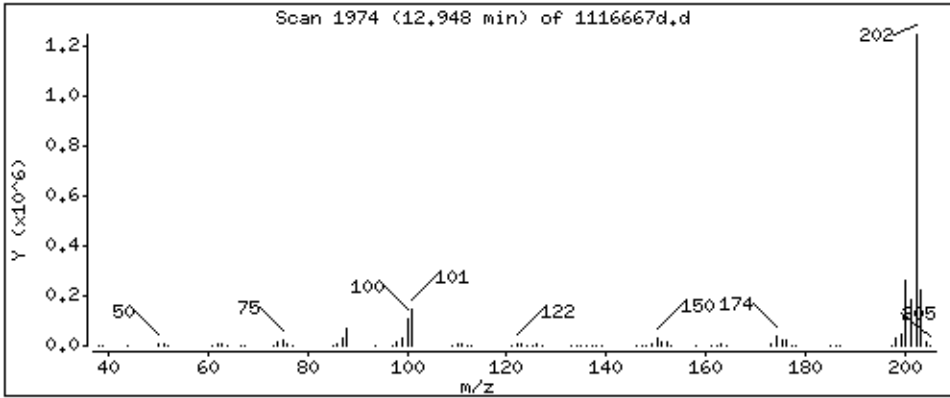
Operator: SN

Column phase: .50um DB-5ms

Column diameter: 0,25

77 Fluoranthene

Concentration: 2298 ug/Kg



Date : 25-JUN-2014 14:49

Client ID: P-4 (5-7)MSD

Instrument: 50MSS2.i

Sample Info: 1116667

Volume Injected (uL): 1.0

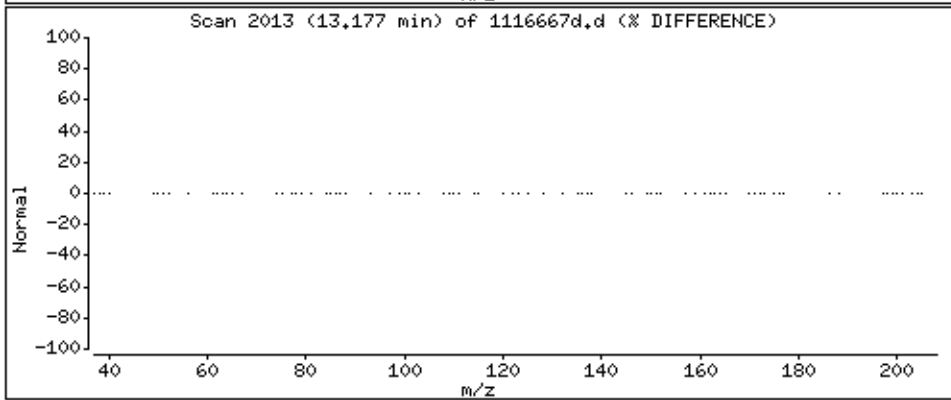
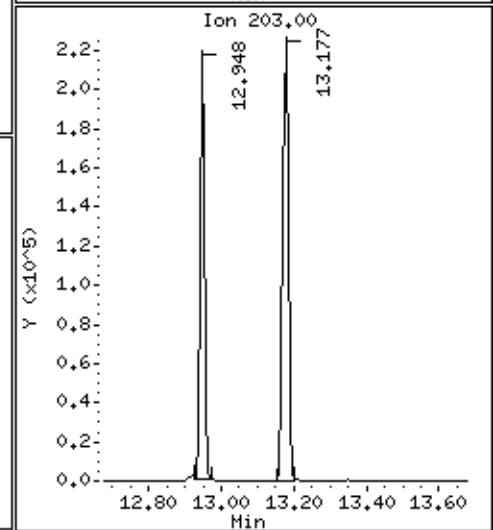
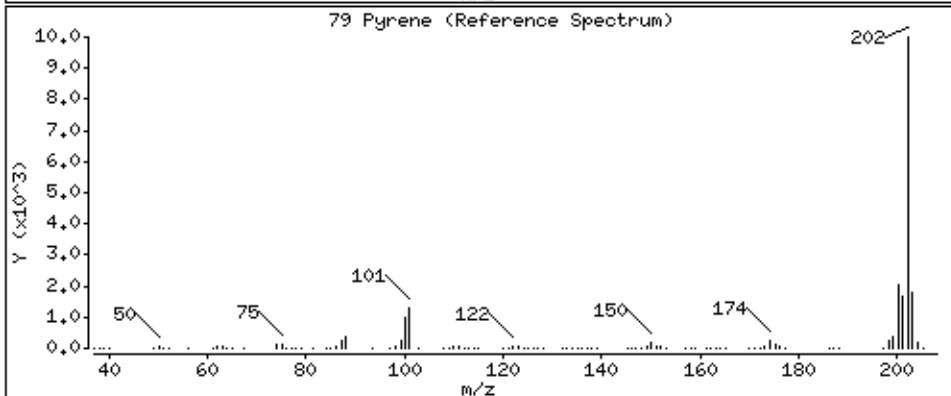
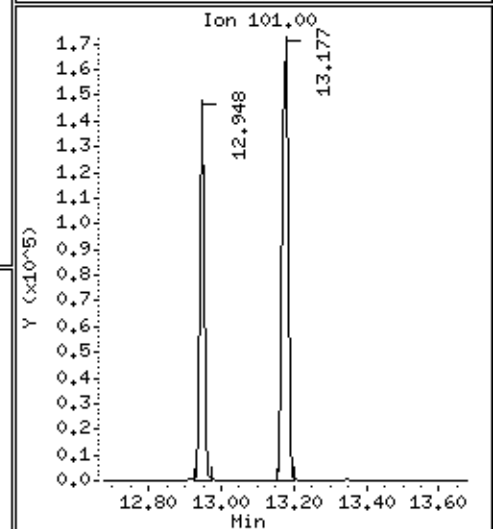
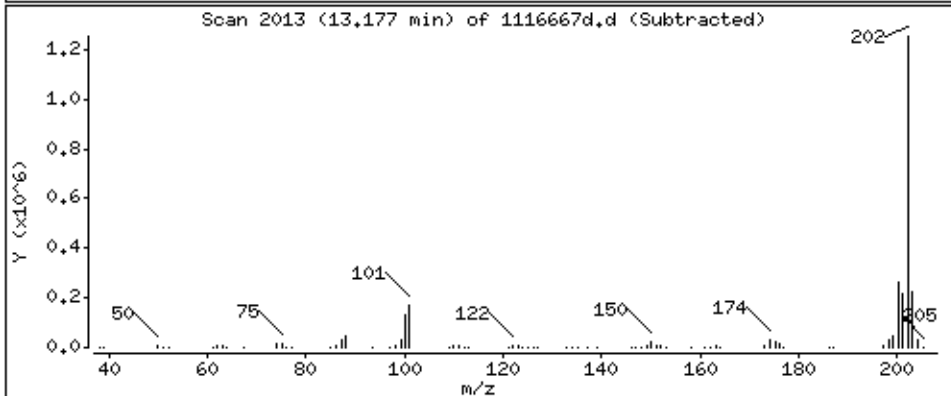
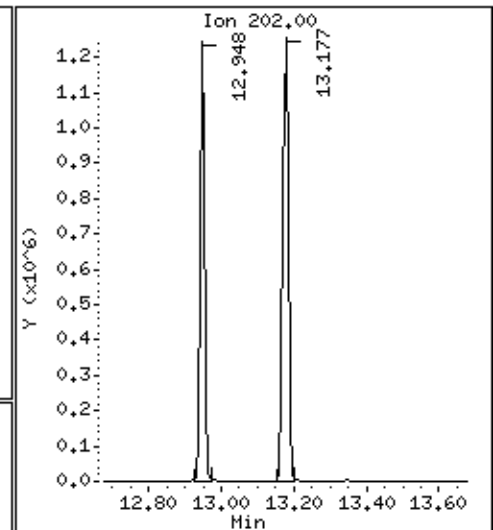
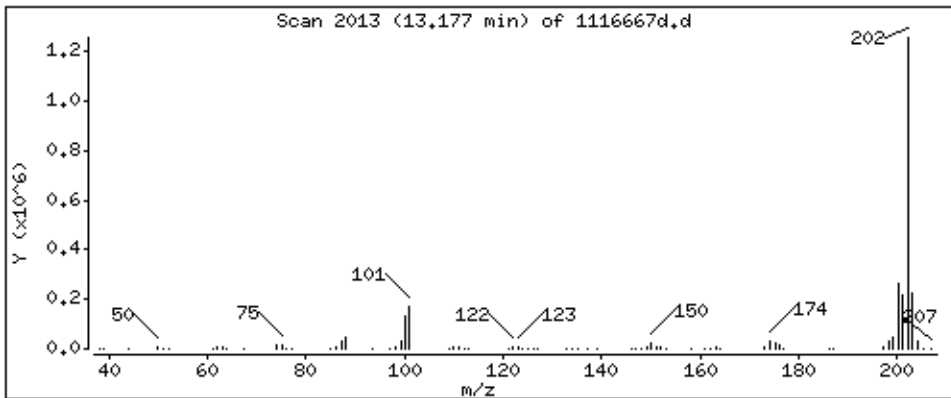
Operator: SN

Column phase: .50um DB-5ms

Column diameter: 0,25

79 Pyrene

Concentration: 2310 ug/Kg



Date : 25-JUN-2014 14:49

Client ID: P-4 (5-7)MSD

Instrument: 50MSS2.i

Sample Info: 1116667

Volume Injected (uL): 1.0

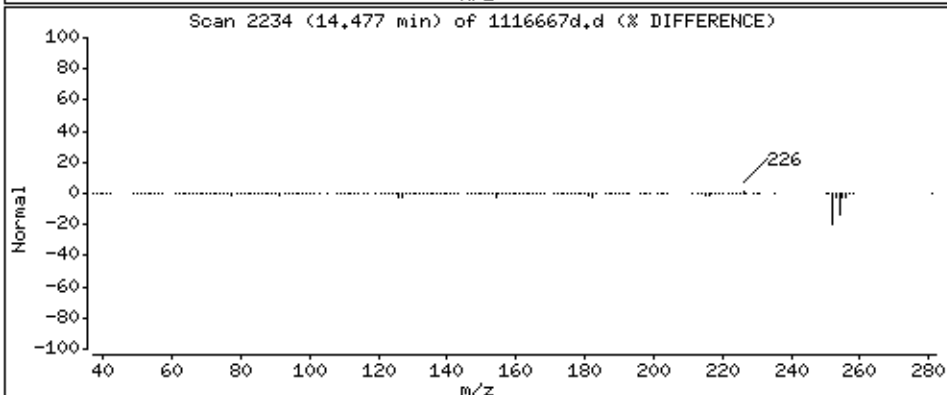
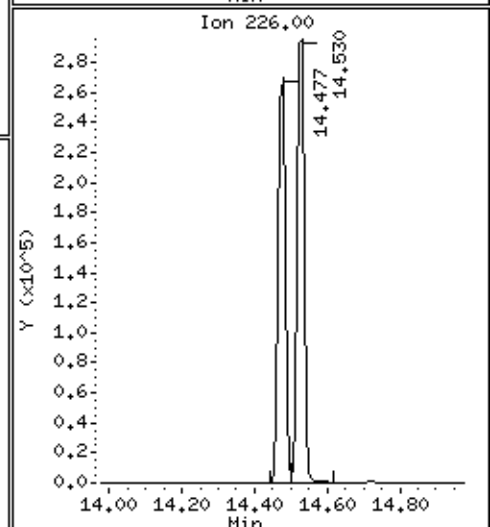
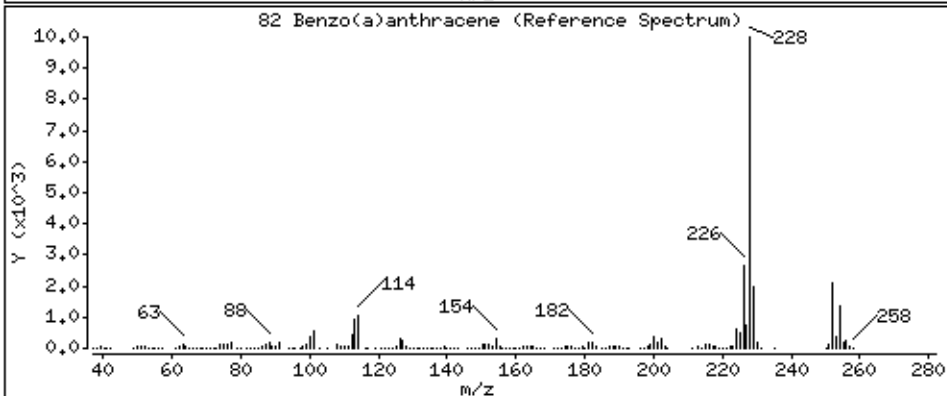
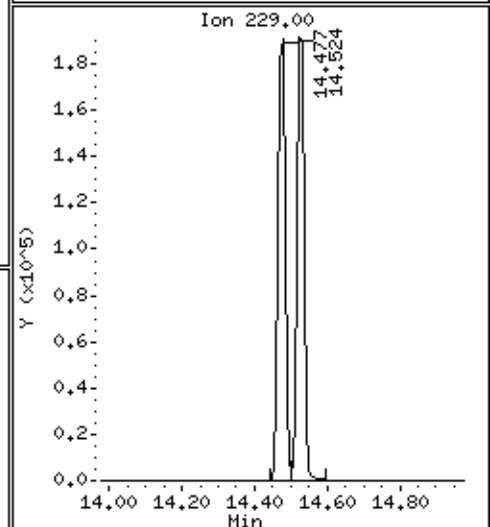
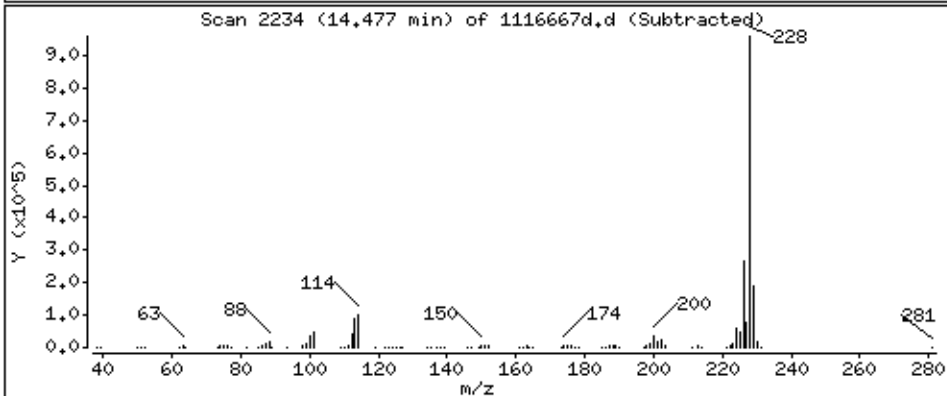
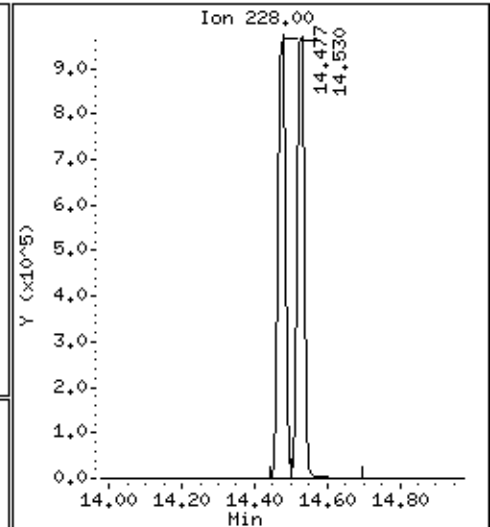
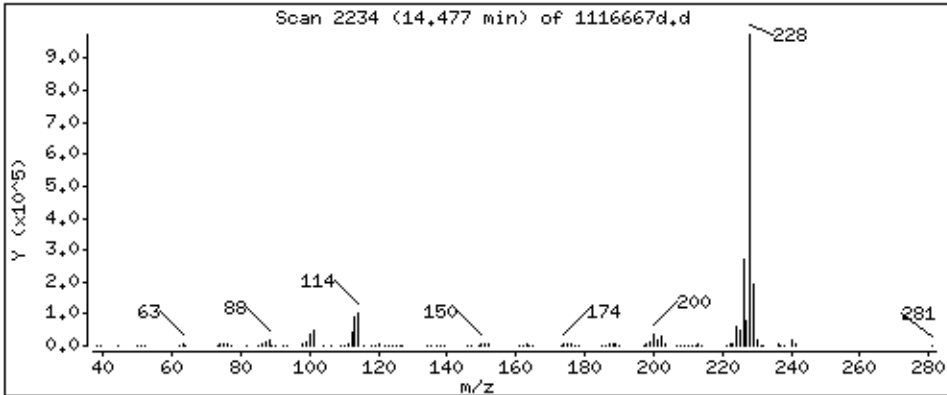
Operator: SN

Column phase: .50um DB-5ms

Column diameter: 0,25

82 Benzo(a)anthracene

Concentration: 2176 ug/Kg



Date : 25-JUN-2014 14:49

Client ID: P-4 (5-7)MSD

Instrument: 50MSS2.i

Sample Info: 1116667

Volume Injected (uL): 1.0

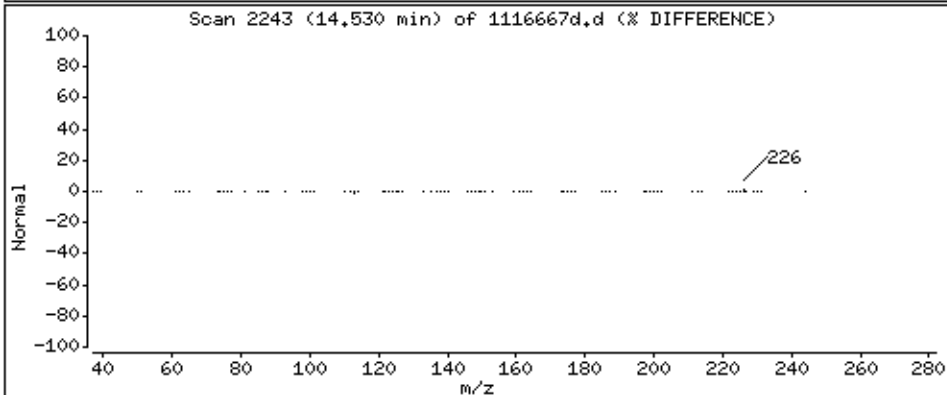
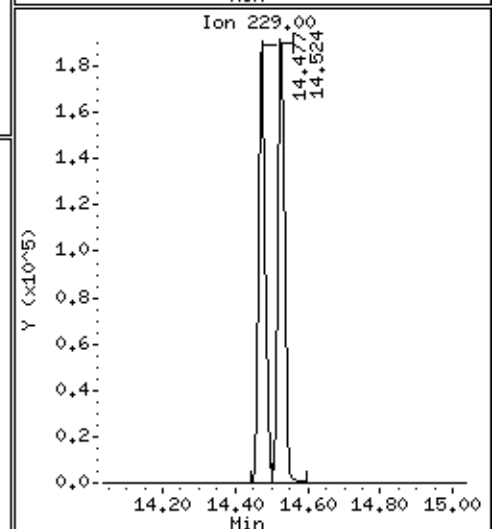
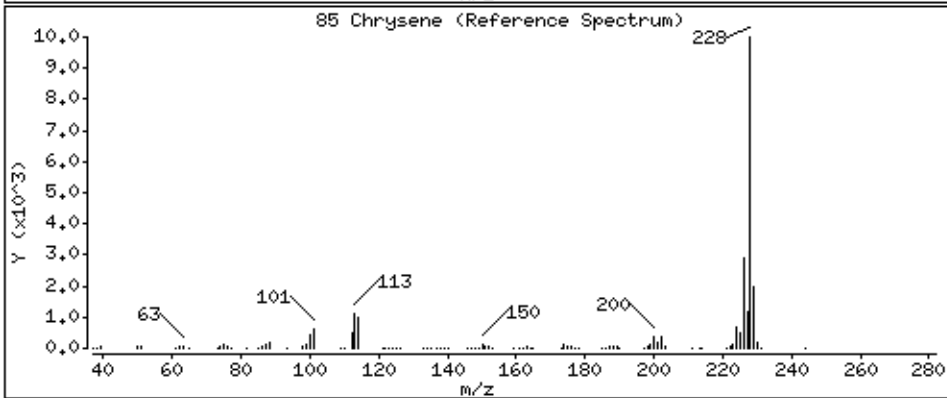
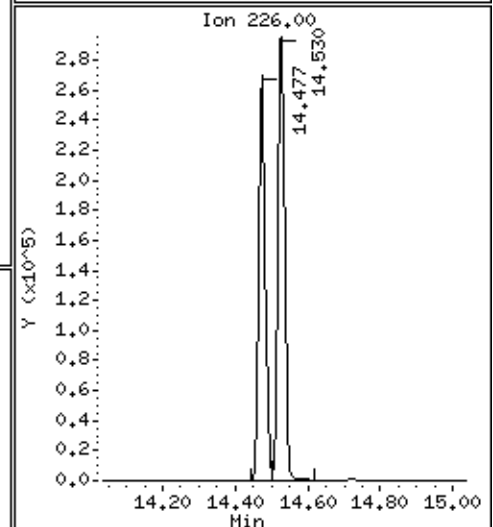
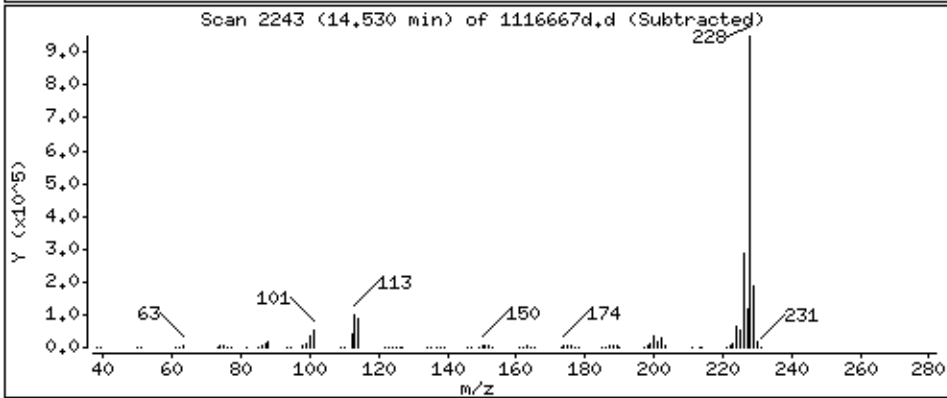
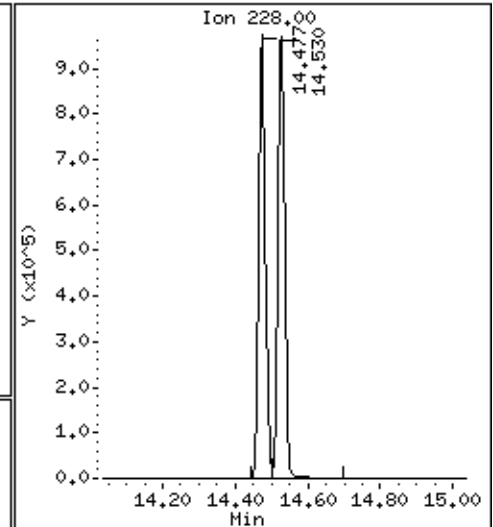
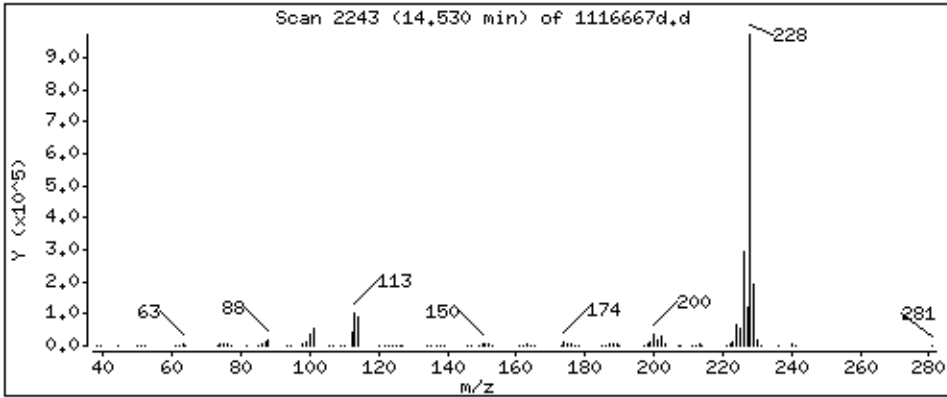
Operator: SN

Column phase: .50um DB-5ms

Column diameter: 0,25

85 Chrysene

Concentration: 2263 ug/Kg



Date : 25-JUN-2014 14:49

Client ID: P-4 (5-7)MSD

Instrument: 50MSS2.i

Sample Info: 1116667

Volume Injected (uL): 1.0

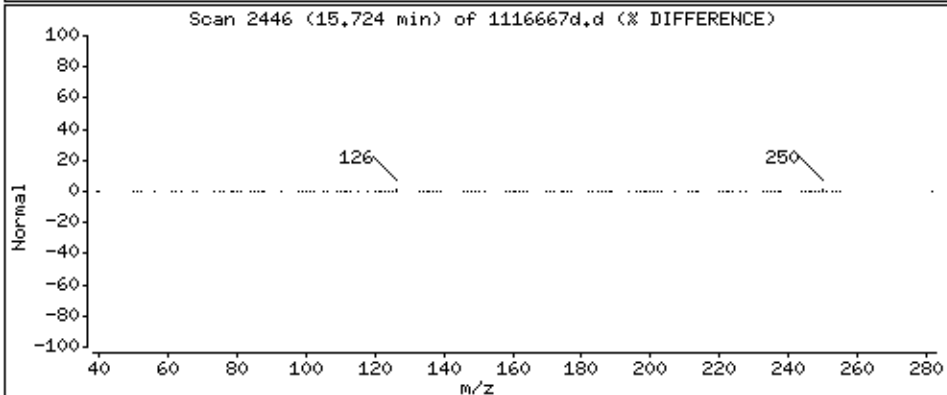
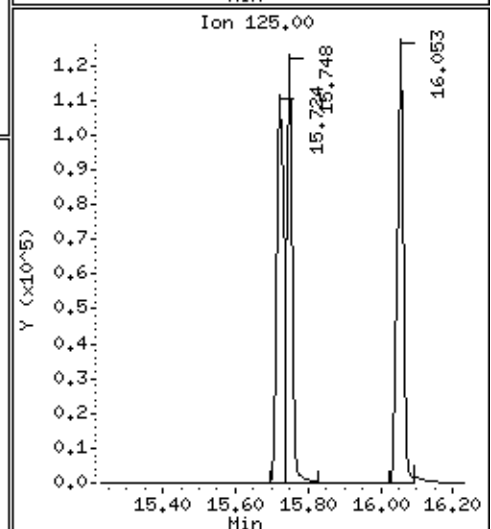
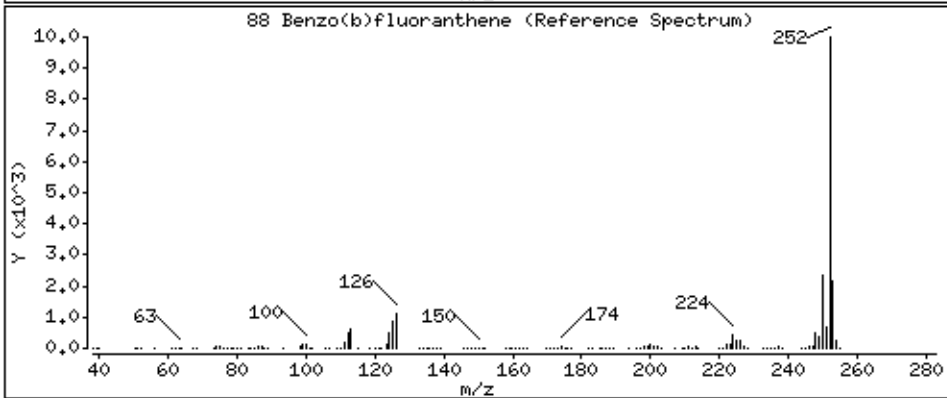
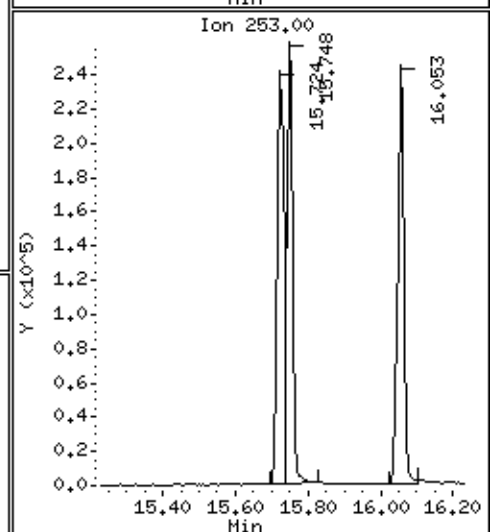
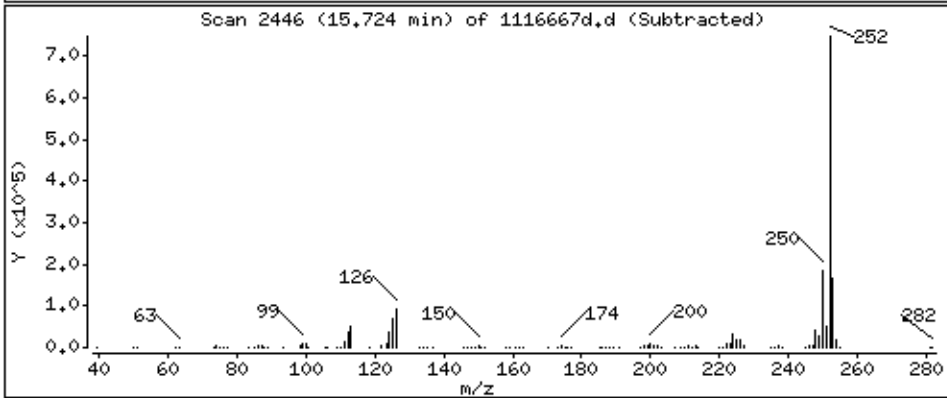
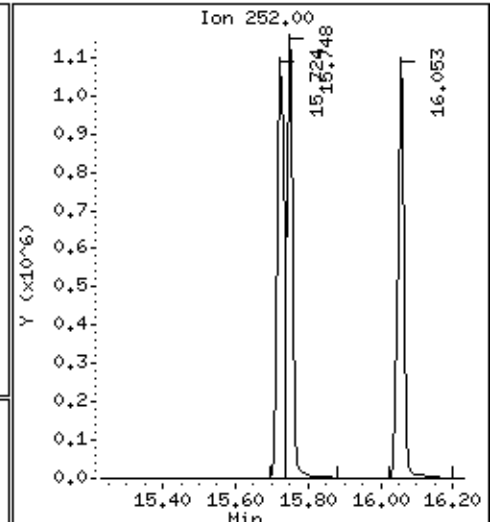
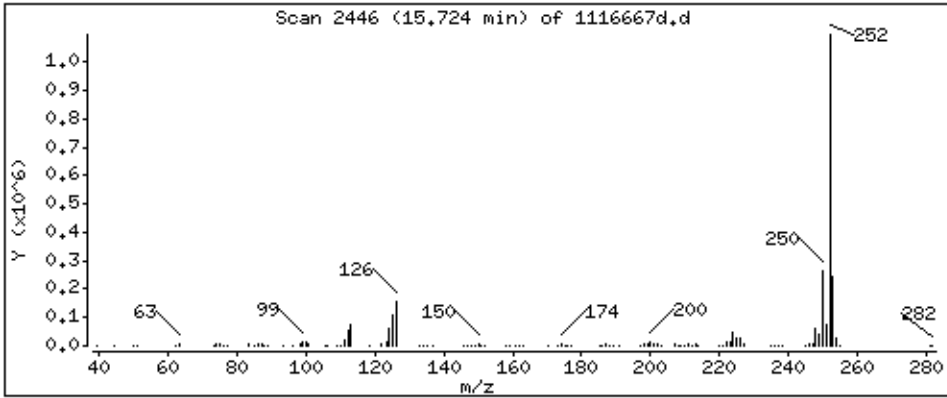
Operator: SN

Column phase: .50um DB-5ms

Column diameter: 0,25

88 Benzo(b)fluoranthene

Concentration: 2036 ug/Kg



Date : 25-JUN-2014 14:49

Client ID: P-4 (5-7)MSD

Instrument: 50MSS2.i

Sample Info: 1116667

Volume Injected (uL): 1.0

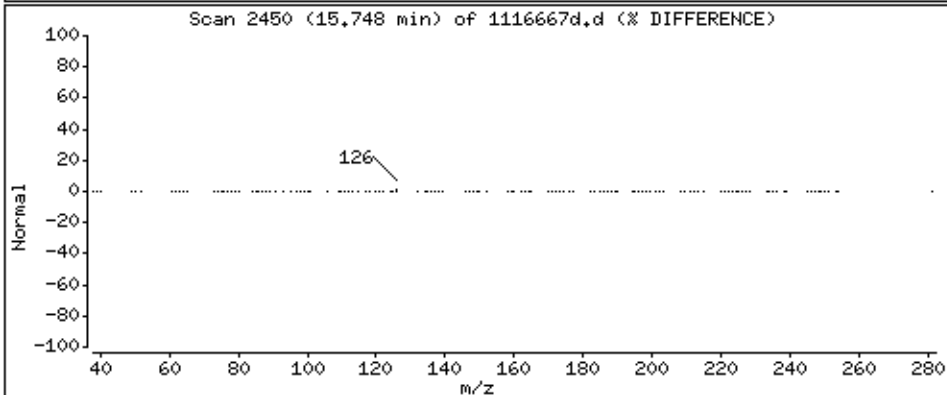
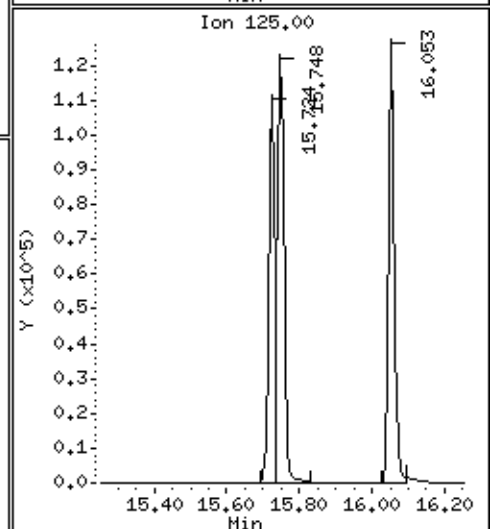
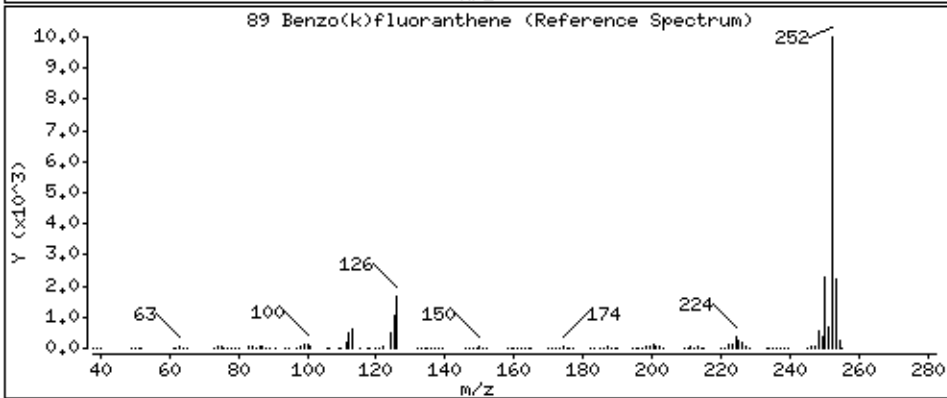
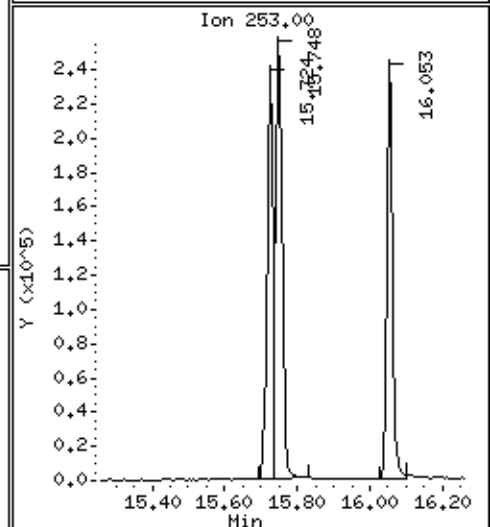
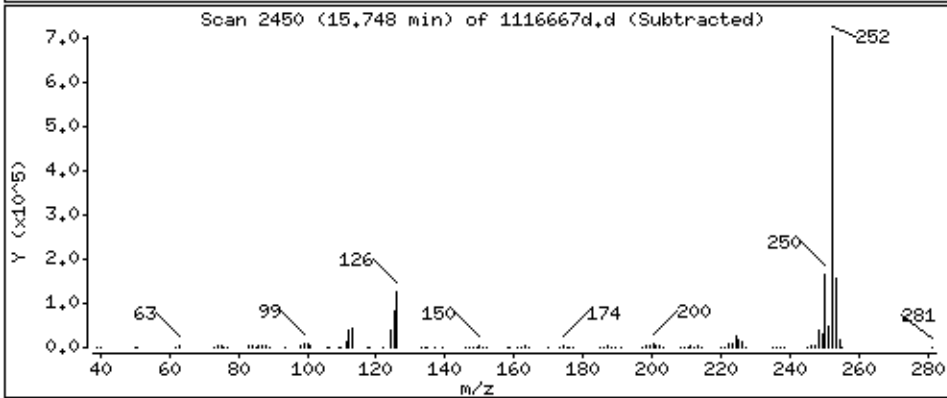
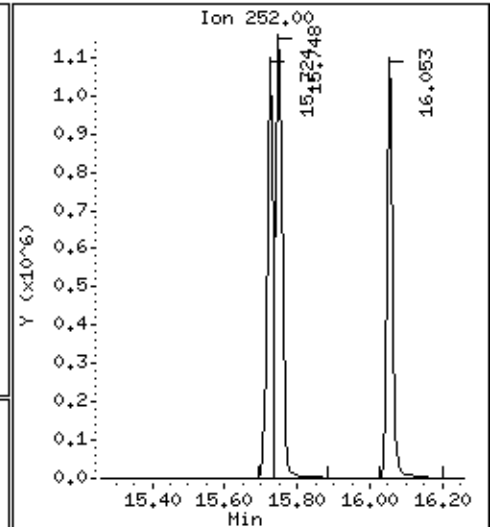
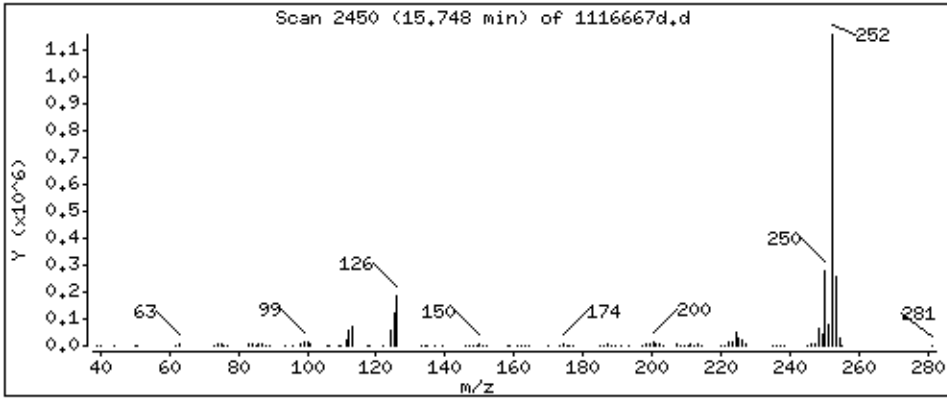
Operator: SN

Column phase: .50um DB-5ms

Column diameter: 0,25

89 Benzo(k)fluoranthene

Concentration: 2253 ug/Kg



Date : 25-JUN-2014 14:49

Client ID: P-4 (5-7)MSD

Instrument: 50MSS2.i

Sample Info: 1116667

Volume Injected (uL): 1.0

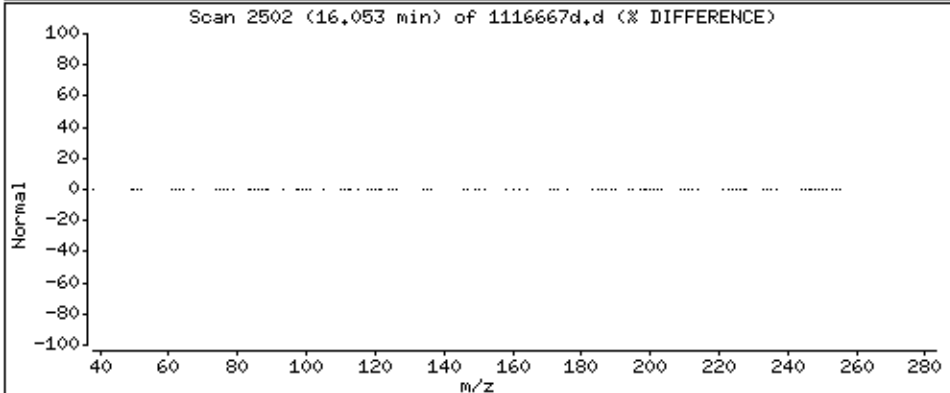
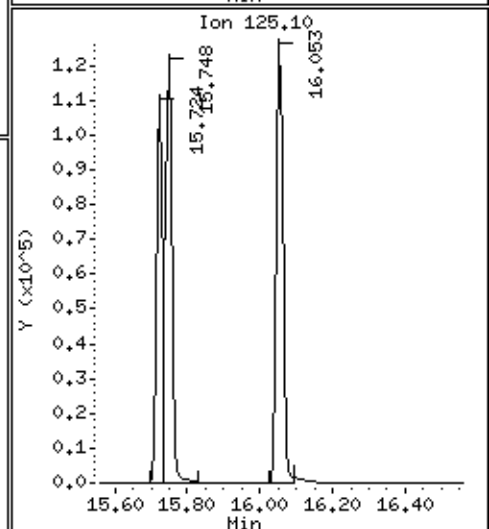
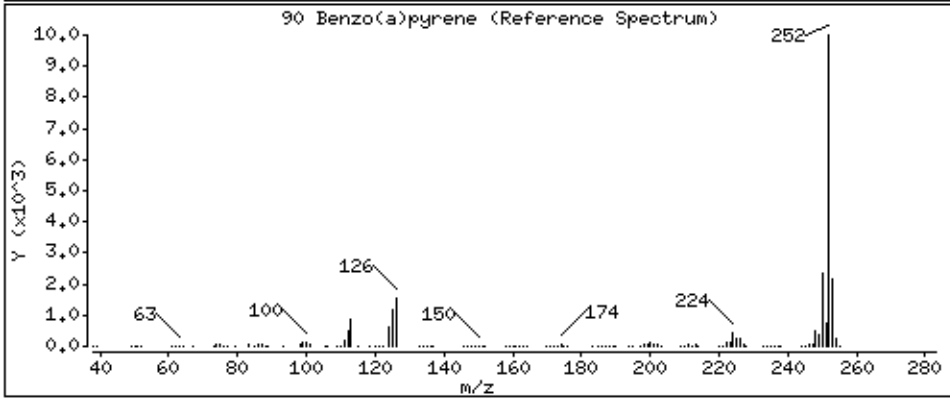
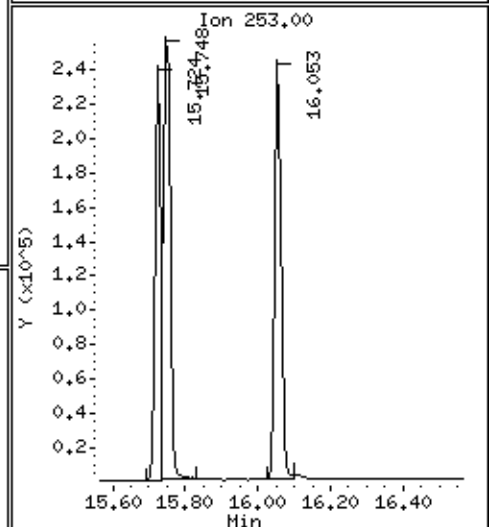
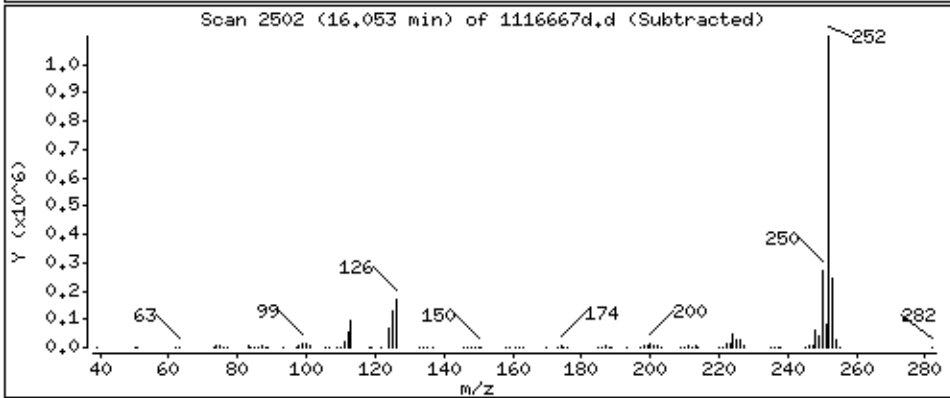
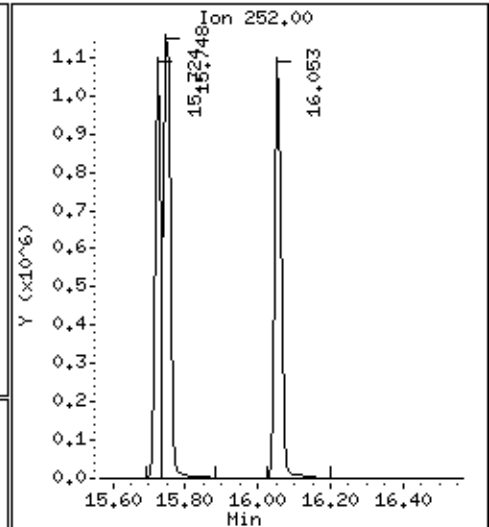
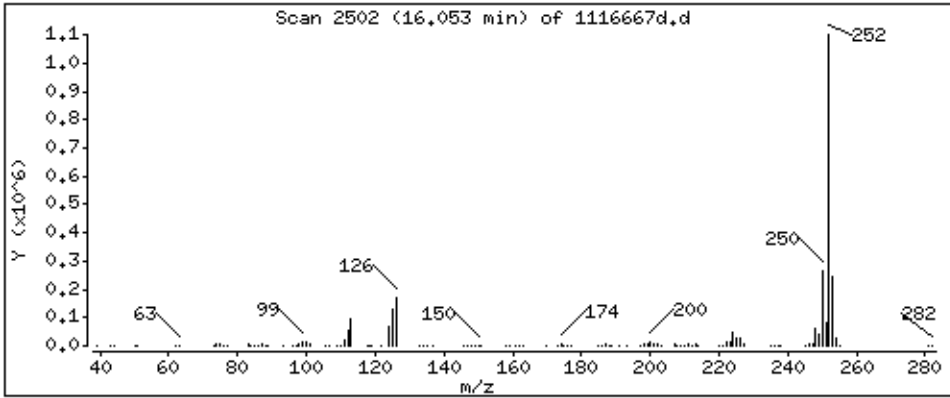
Operator: SN

Column phase: .50um DB-5ms

Column diameter: 0,25

90 Benzo(a)pyrene

Concentration: 2236 ug/Kg



Date : 25-JUN-2014 14:49

Client ID: P-4 (5-7)MSD

Instrument: 50MSS2.i

Sample Info: 1116667

Volume Injected (uL): 1.0

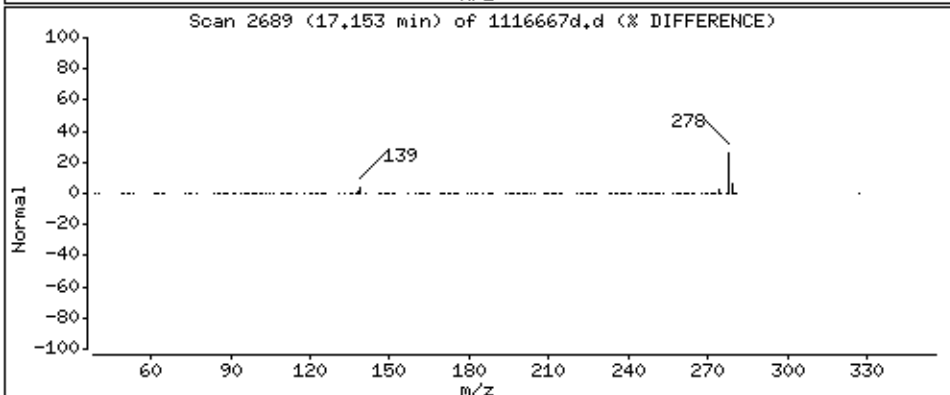
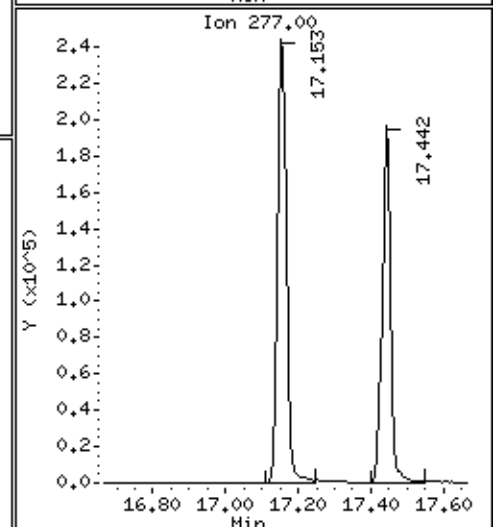
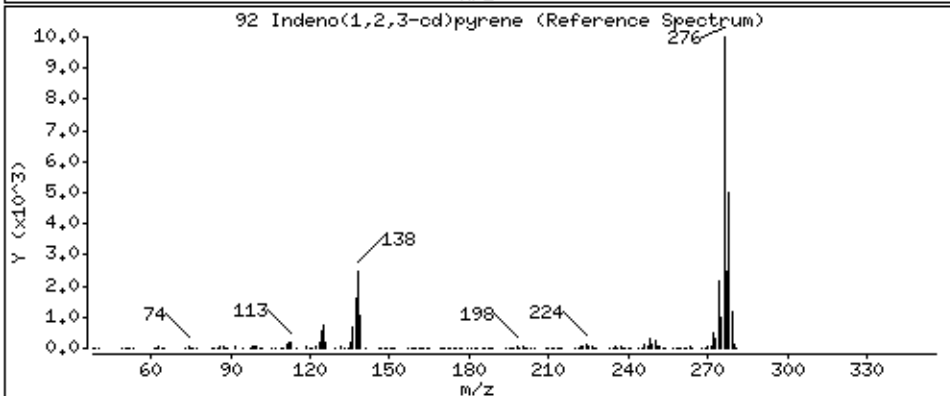
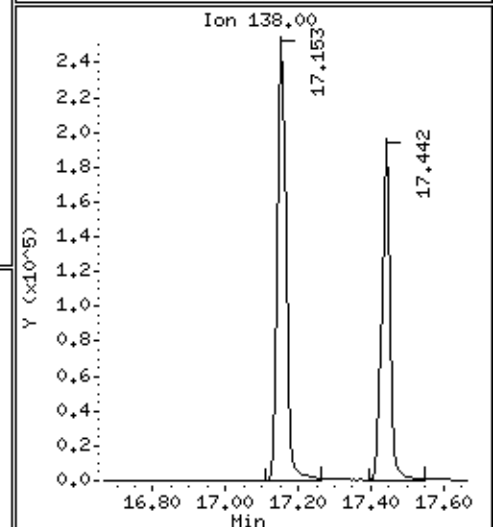
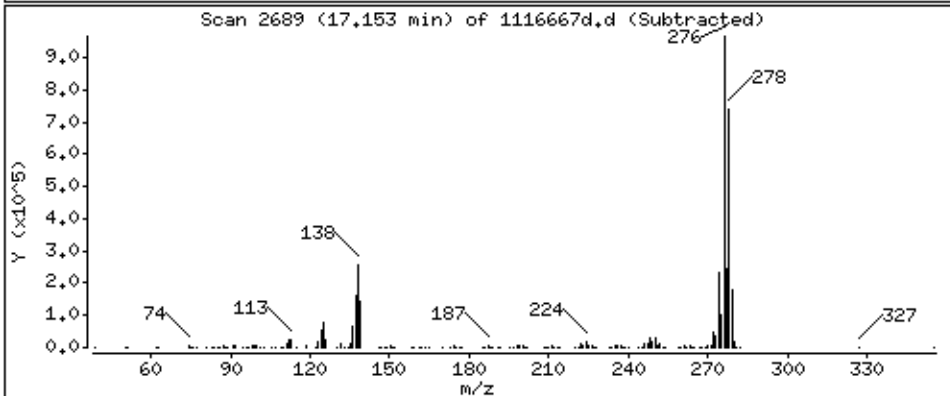
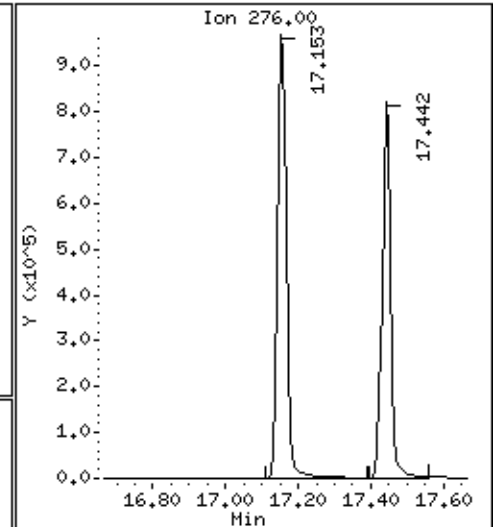
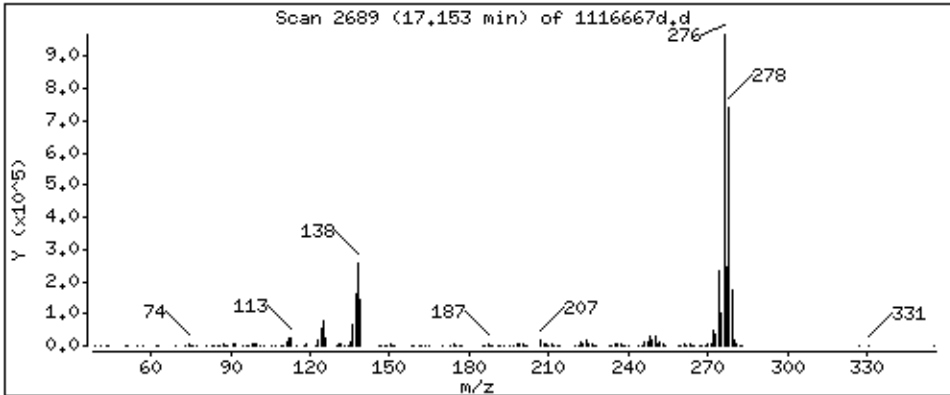
Operator: SN

Column phase: .50um DB-5ms

Column diameter: 0,25

92 Indeno(1,2,3-cd)pyrene

Concentration: 2140 ug/Kg



Date : 25-JUN-2014 14:49

Client ID: P-4 (5-7)MSD

Instrument: 50MSS2.i

Sample Info: 1116667

Volume Injected (uL): 1.0

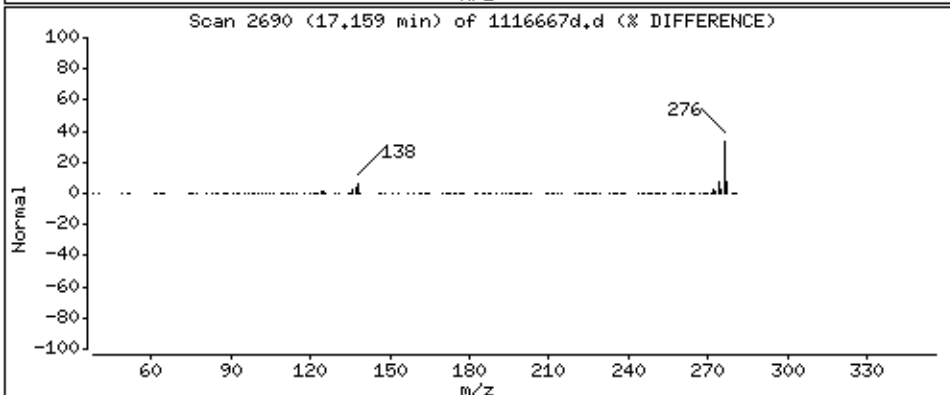
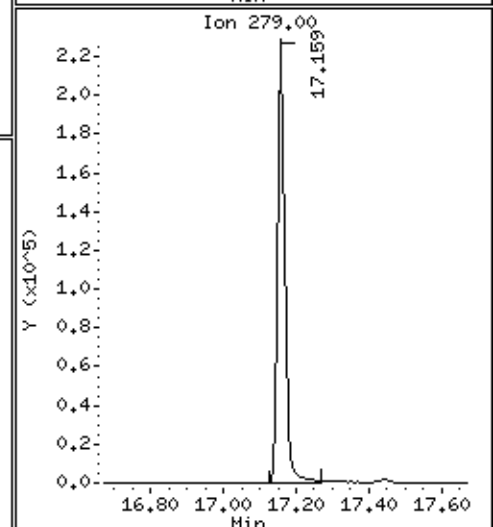
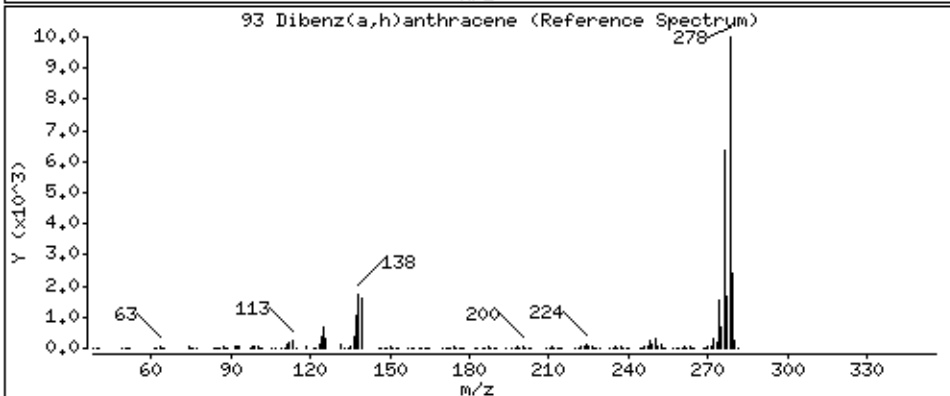
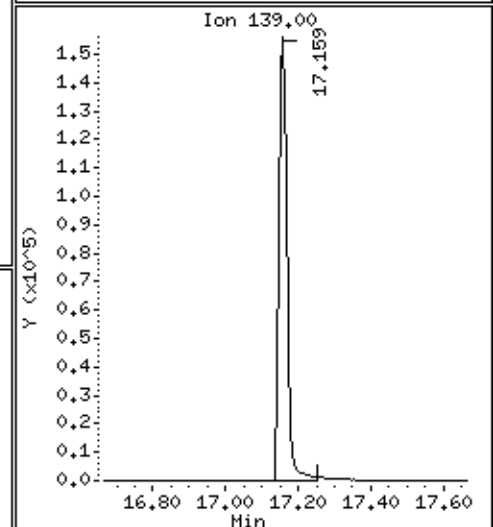
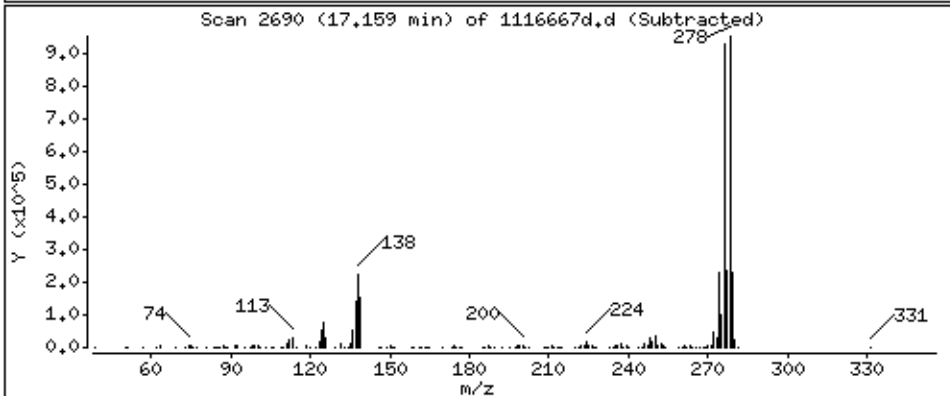
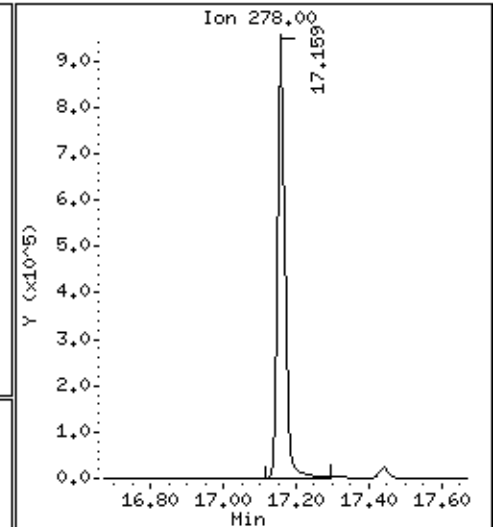
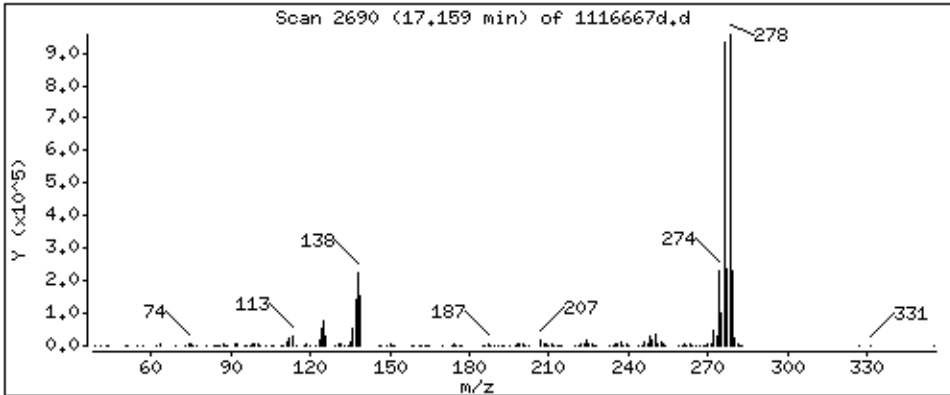
Operator: SN

Column phase: .50um DB-5ms

Column diameter: 0,25

93 Dibenz(a,h)anthracene

Concentration: 2170 ug/Kg



Date : 25-JUN-2014 14:49

Client ID: P-4 (5-7)MSD

Instrument: 50MSS2.i

Sample Info: 1116667

Volume Injected (uL): 1.0

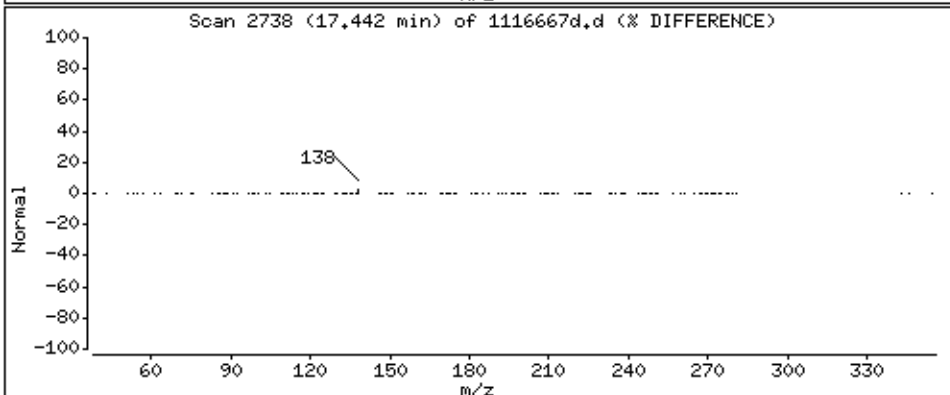
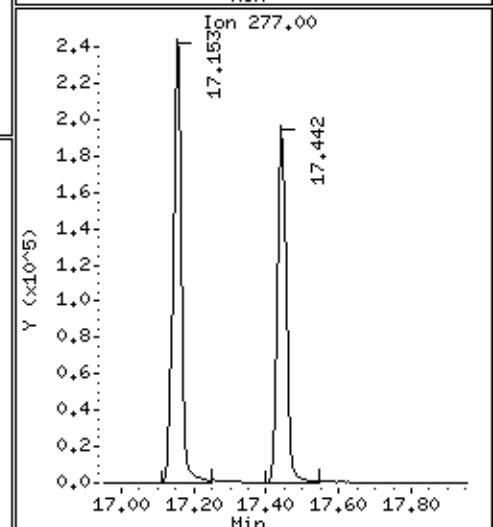
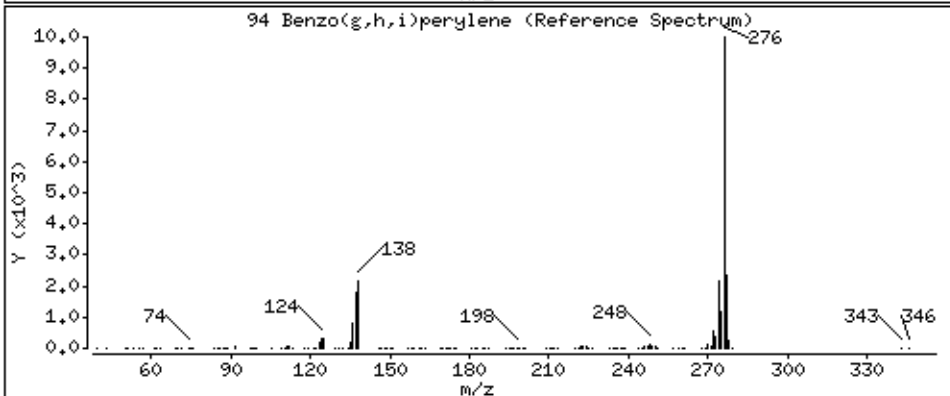
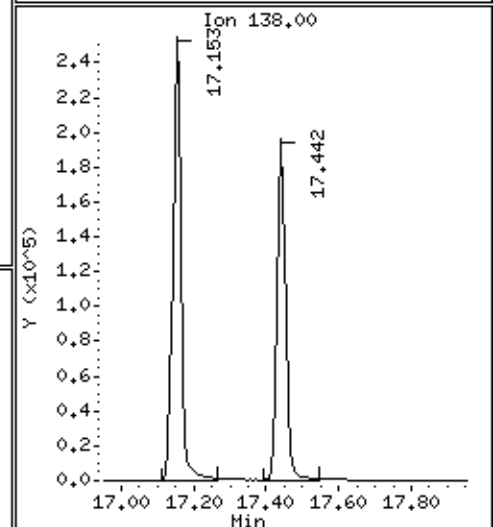
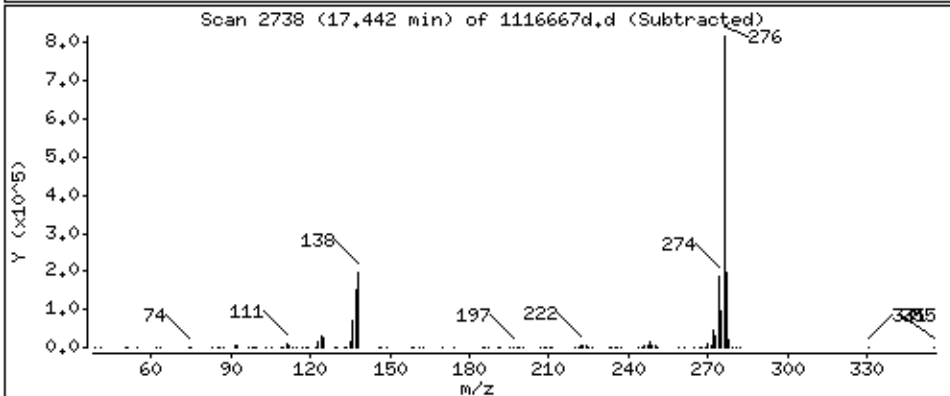
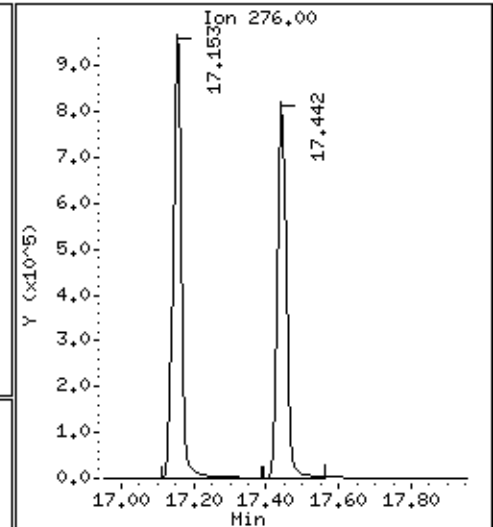
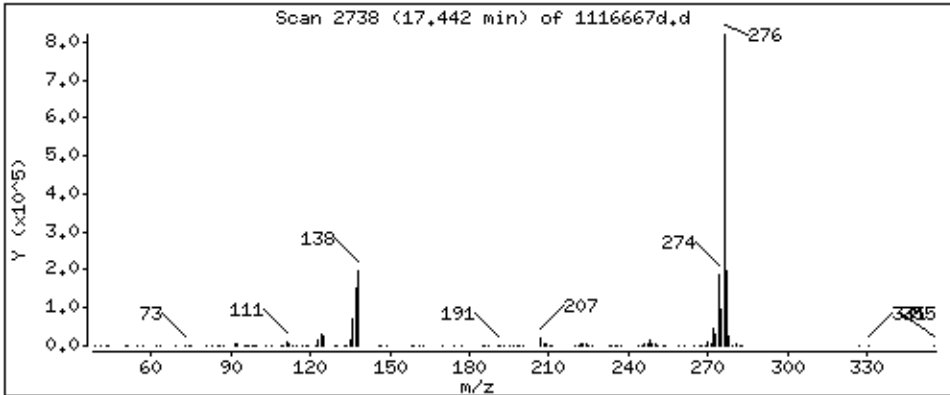
Operator: SN

Column phase: .50um DB-5ms

Column diameter: 0,25

94 Benzo(g,h,i)perylene

Concentration: 2119 ug/Kg



Prep Log Report

Batch Information: OEXT 231233 BNA (S) SHORT

Template Version: EF-IN-O-315-Rev.01(12Apr2013)

Prep Method	EPA 3546	Analysis Method	EPA 8270
Extracted By Date	06/24/2014 14:24:00	Spiked By	JGJ
Zyremark	See Log	3:1 Methylene Chloride/Acetone	70599
Ottawa Sand	62080	Batch Notes	

Instrument	50BALB
Vialed By	JLR
Methylene Chloride	70598

Extracted By	JGJ
Vialed By Date	06/24/2014 17:10:34:048
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	1116664	30.0	1.0		57572 (1)	
8270 SSM_P	LCS	1116665	30.0	1.0		57572 (1)	70722 (1)
8270 SSM_P	PS	30123318001	30.2	1.0		57572 (1)	
8270 SSM_P	PS	5099627010	30.2	1.0		57572 (1)	
8270 SSM_P	PS	5099627011	30.1	1.0		57572 (1)	
8270 SSM_P	MS	1116666	30.1	1.0		57572 (1)	70722 (1)
8270 SSM_P	MSD	1116667	30.3	1.0		57572 (1)	70722 (1)
8270 SSM_P	PS	5099627012	30.1	1.0		57572 (1)	

Standard Notes:

57572: NEW working conc. stock from O2Si

70722: 8270 regular list spike

Prep Log Report

Batch Information: OEXT 231336 BNA (S) SHORT

Template Version: EF-IN-O-315-Rev.01(12Apr2013)

Prep Method	EPA 3546	Analysis Method	EPA 8270	Instrument	50BALB	Extracted By	JGJ
Extracted By Date	06/25/2014 11:19:31:044	Spiked By	KEO	Viald By	MLD	Viald By Date	06/25/2014 15:20:54:826
Zymark	See Log	3:1 Methylene Chloride/Acetone	70599	Methylene Chloride	70598	Sodium Sulfate	70333
Ottawa Sand	62080	Batch Notes					

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	1117083	30.0	1.0		57572 (1)	
8270 SSM_P	LCS	1117084	30.0	1.0		57572 (1)	70722 (1)
8270 SSM_P	PS	5099627014	30.4	1.0		57572 (1)	
8270 SSM_P	PS	5099627015	30.1	1.0		57572 (1)	
8270 SSM_P	PS	5099627016	30.3	1.0		57572 (1)	
8270 SSM_P	PS	5099627017	30.4	1.0		57572 (1)	
8270 SSM_P	PS	5099627018	30.0	1.0		57572 (1)	
8270 SSM_P	PS	5099642001	30.1	1.0		57572 (1)	
8270 SSM_P	PS	5099642002	30.0	1.0		57572 (1)	
8270 SSM_P	PS	5099642003	30.2	1.0		57572 (1)	
8270 SSM_P	PS	5099642004	30.4	1.0		57572 (1)	
8270 SSM_P	PS	5099642005	30.3	1.0		57572 (1)	
8270 SSM_P	PS	5099642006	30.3	1.0		57572 (1)	
8270 SSM_P	PS	5099642007	30.1	1.0		57572 (1)	
8270 SSM_P	PS	5099642008	30.2	1.0		57572 (1)	
8270 SSM_P	PS	5099642009	30.4	1.0		57572 (1)	
8270 SSM_P	PS	5099682001	30.3	1.0		57572 (1)	
8270 SSM_P	PS	5099682002	30.3	1.0		57572 (1)	
8270 SSM_P	RQS	5099682003	30.1	1.0		57572 (1)	
8270 SSM_P	MS	1117085	30.4	1.0		57572 (1)	70722 (1)
8270 SSM_P	MSD	1117086	30.1	1.0		57572 (1)	70722 (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	5099682004	30.0	1.0		57572 (1)	
8270 SSM_P	PS	5099682005	30.1	1.0		57572 (1)	
8270 SSM_P	PS	5099682006	30.3	1.0		57572 (1)	

Standard Notes:

57572: NEW working conc. stock from O2Si

70722: 8270 regular list spike

Prep Log Report

Batch Information: OEXT 231008 BNA (S) SHORT

Template Version: EF-IN-O-315-Rev.01(12Apr2013)

Prep Method	EPA 3546	Analysis Method	EPA 8270	Instrument	50BALB	Extracted By	KEO
Extracted By Date	06/23/2014 12:26:59:835	Spiked By	KEO	Viald By	MLD	Viald By Date	06/24/2014 08:26:30:879
Zymark	See Log	3:1 Methylene Chloride/Acetone	70599	Methylene Chloride	70898	Sodium Sulfate	70333
Ottawa Sand	62080	Batch Notes					

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	1115928	30.0	1.0		57573 (1)	
8270 SSM_P	LCS	1115929	30.0	1.0		57573 (1)	70722 (1)
8270 SSM_P	PS	5099559004	30.0	1.0		57573 (1)	
8270 SSM_P	MS	1115930	30.1	1.0		57573 (1)	70722 (1)
8270 SSM_P	MSD	1115931	30.4	1.0		57573 (1)	70722 (1)
8270 SSM_P	PS	5099559005	30.0	1.0		57573 (1)	
8270 SSM_P	PS	5099559006	30.4	1.0		57573 (1)	
8270 SSM_P	PS	5099559007	30.4	1.0		57573 (1)	
8270 SSM_P	PS	5099559008	30.2	1.0		57573 (1)	
8270 SSM_P	PS	5099556002	30.3	1.0		57573 (1)	
8270 SSM_P	PS	5099576010	30.1	1.0		57573 (1)	
8270 SSM_P	PS	5099576011	30.4	1.0		57573 (1)	
8270 SSM_P	PS	5099576012	30.2	1.0		57573 (1)	
8270 SSM_P	PS	5099609005	30.1	1.0		57573 (1)	
8270 SSM_P	PS	5099609006	30.2	1.0		57573 (1)	
8270 SSM_P	PS	5099627001	30.2	1.0		57573 (1)	
8270 SSM_P	PS	5099627002	30.1	1.0		57573 (1)	
8270 SSM_P	PS	5099627003	30.3	1.0		57573 (1)	
8270 SSM_P	PS	5099627004	30.1	1.0		57573 (1)	
8270 SSM_P	PS	5099627005	30.4	1.0		57573 (1)	
8270 SSM_P	PS	5099627006	30.1	1.0		57573 (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	5099627007	30.2	1.0		57573 (1)	
8270 SSM_P	PS	5099627008	30.2	1.0		57573 (1)	
8270 SSM_P	PS	5099627009	30.2	1.0		57573 (1)	

Standard Notes:

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	

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Matrix Codes: [G]as, [L]iquid, [S]olid, [N]one

Report Date: 07:38 06/10/2014

Page: 2

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 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	6/23/14	15:39	SN	
1/dftpp-a.d	TUNE,70900:1	G/	DFTPP	1	sw846tun	6/23/14	16:01	SN	LOOD
1/100ppm-a.d	CCV,71288:1	L/	CCALIB_6	1	8270c	6/23/14	16:23	SN	LOOD
1/1115928b.d	1115928	S/15562	BLANK	1	8270c	6/23/14	16:46	SN	
1/11159291.d	1115929	S/15562	LCS	1	8270c	6/23/14	17:09	SN	
1/50995559004x5.d	50995559004x5	L/15562	SAMPLE	1	8270c	6/23/14	17:32	SN	
1/1115930mx5.d	1115930x5	S/15562	MS	5	8270c	6/23/14	17:55	SN	
1/1115931dx5.d	1115931x5	S/15562	MSD	5	8270c	6/23/14	18:18	SN	
1/5099559005x5.d	5099559005x5	S/15562	SAMPLE	5	8270c	6/23/14	18:41	SN	REIX
1/5099559006x5.d	5099559006x5	S/15562	SAMPLE	5	8270c	6/23/14	19:04	SN	REIX
1/5099559007.d	5099559007	S/15562	SAMPLE	1	8270c	6/23/14	19:27	SN	
1/5099559008x5.d	5099559008x5	S/15562	SAMPLE	5	8270c	6/23/14	19:50	SN	REIX
1/5099556002.d	5099556002	S/15562	SAMPLE	1	8270c	6/23/14	20:14	SN	
1/5099576010.d	5099576010	S/15562	SAMPLE	1	8270c	6/23/14	20:37	SN	
1/5099576011.d	5099576011	S/15562	SAMPLE	1	8270c	6/23/14	21:00	SN	
1/5099576012.d	5099576012	S/15562	SAMPLE	1	8270c	6/23/14	21:23	SN	
1/5099609005.d	5099609005	S/15562	SAMPLE	1	8270c	6/23/14	21:46	SN	
1/5099609006.d	5099609006	S/15562	SAMPLE	1	8270c	6/23/14	22:09	SN	
1/5099627001.d	5099627001	S/15562	SAMPLE	1	8270c	6/23/14	22:32	SN	
1/5099627002.d	5099627002	S/15562	SAMPLE	1	8270c	6/23/14	22:55	SN	
1/5099627003.d	5099627003	S/15562	SAMPLE	1	8270c	6/23/14	23:18	SN	
1/5099627004.d	5099627004	S/15562	SAMPLE	1	8270c	6/23/14	23:41	SN	
1/5099627005.d	5099627005	S/15562	SAMPLE	1	8270c	6/24/14	00:04	SN	
1/5099627006.d	5099627006	L/15562	SAMPLE	1	8270c	6/24/14	00:27	SN	
1/5099627007.d	5099627007	S/15562	SAMPLE	1	8270c	6/24/14	00:50	SN	
1/5099627008.d	5099627008	S/15562	SAMPLE	1	8270c	6/24/14	01:13	SN	
1/5099627009.d	5099627009	S/15562	SAMPLE	1	8270c	6/24/14	01:36	SN	

File Path 1: \\192.168.50.6\chem\50MSS2.i\062314.b
 Matrix Codes: [G]as, [L]iquid, [S]olid, [N]one
 Report Date: 09:09 06/24/2014

SN
062414

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	6/25/14	11:26	SN	
1/dftpp-a.d	TUNE,71356:1	G/	DFTPP	1	sw846tun	6/25/14	11:49	SN	GOOD
1/100ppm-a.d	CCV,71288:1	L/	CCALIB_6	1	8270c	6/25/14	12:11	SN	GOOD
1/1116664b.d	1116664	S/15571	BLANK	1	8270c	6/25/14	12:34	SN	
1/1116665l.d	1116665	S/15571	LCS	1	8270c	6/25/14	12:57	SN	
1/30123318001.d	30123318001	S/15571	SAMPLE	1	8270c	6/25/14	13:19	SN	Reextract
1/5099627010.d	5099627010	S/15571	SAMPLE	1	8270c	6/25/14	13:42	SN	
1/5099627011.d	5099627011	S/15571	SAMPLE	1	8270c	6/25/14	14:04	SN	
1/1116666m.d	1116666	S/15571	MS	1	8270c	6/25/14	14:27	SN	
1/1116667d.d	1116667	S/15571	MSD	1	8270c	6/25/14	14:49	SN	
1/5099627012.d	5099627012	S/15571	SAMPLE	1	8270c	6/25/14	15:12	SN	
1/1117093b.d	1117093	L/15573	BLANK	1	8270c	6/25/14	15:35	SN	
1/1117094l.d	1117094	L/15573	LCS	1	8270c	6/25/14	15:57	SN	
1/5099642010.d	5099642010	L/15573	SAMPLE	1	8270c	6/25/14	16:20	SN	
1/5099642011.d	5099642011	L/15573	SAMPLE	1	8270c	6/25/14	16:42	SN	
1/5099642012.d	5099642012	L/15573	SAMPLE	1	8270c	6/25/14	17:05	SN	
1/5099355025.d	5099355025	L/15573	SAMPLE	1	8270c	6/25/14	17:28	SN	
1/5099355026.d	5099355026	L/15573	SAMPLE	1	8270c	6/25/14	17:50	SN	
1/5099355027.d	5099355027	L/15573	SAMPLE	1	8270c	6/25/14	18:13	SN	
1/5099355028.d	5099355028	L/15573	SAMPLE	1	8270c	6/25/14	18:35	SN	
1/5099355029.d	5099355029	L/15573	SAMPLE	1	8270c	6/25/14	18:58	SN	
1/5099355030.d	5099355030	L/15573	SAMPLE	1	8270c	6/25/14	19:21	SN	
1/5099758001.d	5099758001	L/15573	SAMPLE	1	8270c	6/25/14	19:43	SN	
1/5099758002.d	5099758002	L/15573	SAMPLE	1	8270c	6/25/14	20:06	SN	
1/5099758003.d	5099758003	L/15573	SAMPLE	1	8270c	6/25/14	20:28	SN	
1/1117079b.d	1117079	S/15574	BLANK	1	8270c	6/25/14	20:51	SN	
1/1117080l.d	1117080	S/15574	LCS	1	8270c	6/25/14	21:14	SN	
1/5099766001.d	5099766001	S/15574	SAMPLE	1	8270c	6/25/14	21:36	SN	
1/1117081m.d	1117081	S/15574	MS	1	8270c	6/25/14	21:59	SN	
1/1117082d.d	1117082	S/15574	MSD	1	8270c	6/25/14	22:21	SN	
1/5099766002.d	5099766002	S/15574	SAMPLE	1	8270c	6/25/14	22:44	SN	
1/5099652001x10.d	5099652001x10	S/15574	SAMPLE	10	8270c	6/25/14	23:07	SN	REFX

File Path 1: \\192.168.50.6\chem\50MSS2.i\062514.b
 Matrix Codes: [G]as, [L]iquid, [S]olid, [N]one
 Report Date: 10:15 06/26/2014

SN
062614

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/mecl2-b.d	PBLK,65934:1	L/	SAMPLE	1	8270c	6/25/14	23:29	SN	
1/dftpp-b.d	TUNE,71356:1	G/	DFTPP	1	sw846tun	6/25/14	23:52	SN	GOOD
1/100ppm-b.d	CCV,71288:1	L/	CCALIB_6	1	8270c	6/26/14	00:15	SN	GOOD
1/5099652002.d	5099652002	S/15574	SAMPLE	1	8270c	6/26/14	00:37	SN	
1/1117083b.d	1117083	S/15575	BLANK	1	8270c	6/26/14	01:00	SN	
1/1117084l.d	1117084	S/15575	LCS	1	8270c	6/26/14	01:22	SN	
1/5099627014.d	5099627014	S/15575	SAMPLE	1	8270c	6/26/14	01:45	SN	
1/5099627015.d	5099627015	S/15575	SAMPLE	1	8270c	6/26/14	02:07	SN	
1/5099627016.d	5099627016	S/15575	SAMPLE	1	8270c	6/26/14	02:30	SN	
1/5099627017.d	5099627017	S/15575	SAMPLE	1	8270c	6/26/14	02:53	SN	
1/5099627018.d	5099627018	S/15575	SAMPLE	1	8270c	6/26/14	03:15	SN	
1/5099642001.d	5099642001	S/15575	SAMPLE	1	8270c	6/26/14	03:38	SN	
1/5099642002.d	5099642002	S/15575	SAMPLE	1	8270c	6/26/14	04:01	SN	
1/5099642003.d	5099642003	S/15575	SAMPLE	1	8270c	6/26/14	04:24	SN	
1/5099642004.d	5099642004	S/15575	SAMPLE	1	8270c	6/26/14	04:46	SN	
1/5099642005.d	5099642005	S/15575	SAMPLE	1	8270c	6/26/14	05:09	SN	
1/5099642006.d	5099642006	S/15575	SAMPLE	1	8270c	6/26/14	05:32	SN	
1/5099642007.d	5099642007	S/15575	SAMPLE	1	8270c	6/26/14	05:54	SN	
1/5099642008.d	5099642008	S/15575	SAMPLE	1	8270c	6/26/14	06:17	SN	
1/5099642009x5.d	5099642009x5	S/15575	SAMPLE	5	8270c	6/26/14	06:39	SN	
1/5099682001x5.d	5099682001x5	S/15575	SAMPLE	5	8270c	6/26/14	07:02	SN	
1/5099682002x5.d	5099682002x5	S/15575	SAMPLE	5	8270c	6/26/14	07:25	SN	
1/5099682003.d	5099682003	S/15575	SAMPLE	1	8270c	6/26/14	07:47	SN	
1/1117085m.d	1117085	S/15575	MS	1	8270c	6/26/14	08:10	SN	
1/1117086d.d	1117086	S/15575	MSD	1	8270c	6/26/14	08:33	SN	
1/5099682004.d	5099682004	S/15575	SAMPLE	1	8270c	6/26/14	08:55	SN	
1/5099682005.d	5099682005	S/15575	SAMPLE	1	8270c	6/26/14	09:18	SN	
1/5099682006.d	5099682006	S/15575	SAMPLE	1	8270c	6/26/14	09:41	SN	

File Path 1: \\192.168.50.6\chem\50MSS2.i\062514.b
 Matrix Codes: [G]as, [L]iquid, [S]olid, [N]one
 Report Date: 10:15 06/26/2014

SN
062614 Page: 2

PCB - FORM II SVOA-1
SOLID SEMI-VOLATILE SURROGATE RECOVERY

Lab Name: Pace Analytical - Indiana SDG No.: 5099627 Contract: Sibley - Accucast

Instrument ID: 50GCS8

LAB SAMPLE ID	SAMPLE NAME	TCMX
1116370	1116370BLANK	82
1116371	1116371LCS	82
1116372	1116372MS	87
1116373	1116373MSD	86
5099627001	P-8 (6-8)	77
5099627002	TMW-7 (8-10)	83
5099627003	P-8 (16-18)	87
5099627004	P-4 (16-18)	82
5099627005	TMW-9 (3-5)	85
5099627006	TMW-3 (15-16)	74
5099627007	TMW-9 (16-18)	88
5099627008	P-7 (13-15)	91
5099627009	P-3 (16-18)	89
5099627010	TMW-7 (14-16)	94
5099627011	P-4 (5-7)	73
5099627012	P-7 (5-7)	84
5099627014	TMW-3 (8-9)	91
5099627015	P-9 (2-4)	95
5099627016	P-3 (8-10)	81
5099627017	P-9 (13-15)	95
5099627018	Surf-Dupe	82

QC LIMITS
(30-106)

(TCMX) = Tetrachloro-m-xylene (S)

* Values outside of QC Limits

PCB - FORM III SVOA-1
SOLID LABORATORY CONTROL SAMPLE RECOVERY

Lab Name: Pace Analytical - Indiana

Lab Sample ID: 1116371LCS

Date Extracted: 06/24/2014

Date Analyzed (1): 06/27/2014

Instrument: 50GCS8

LCS Lot No: 69573

Lab File ID: 062614.B\070B6901.D

SDG No.: 5099627

COMPOUND	AMOUNT ADDED (ug/kg)	LCS CONCENTRATION (ug/kg)	LCS %REC	QC LIMITS REC.
PCB-1016 (Aroclor 1016)	167	136	82	42-100
PCB-1260 (Aroclor 1260)	167	145	87	40-106

Spike Recovery: 0 out of 2 outside limits.

07/17/2014 9:26

PCB - FORM III SVOA-1
SOLID SEMI-VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Pace Analytical - Indiana

Matrix Spike - Sample No: 1116372MS

Date Extracted: 06/24/2014

Date Analyzed (1): 06/27/2014

Instrument: 50GCS8

Lab File ID: 062614.B\076B7501.D

Parent Sample ID: P-8 (16-18)

SDG No.: 5099627

COMPOUND	SPIKE ADDED (ug/kg)	SAMPLE CONCENTRATION (ug/kg)	MS CONCENTRATION (ug/kg)	MS %REC	QC LIMITS REC.
PCB-1016 (Aroclor 1016)	199	ND	155	78	10-145
PCB-1260 (Aroclor 1260)	199	ND	153	77	16-132

Spike Recovery: 0 out of 2 outside limits.

07/17/2014 9:26

PCB - FORM III SVOA-2
SOLID SEMI-VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Instrument (2): 50GCS8 Matrix Spike Duplicate - Sample No: 1116373MSD
 Lab File ID (2): 062614.B\077B7601.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)	198	159	80	3	0-20	10-145
PCB-1260 (Aroclor 1260)	198	165	83	8	0-20	16-132

RPD: 0 out of 2 outside limits.

Spike Recovery: 0 out of 2 outside limits.

PCB - FORM IV SVOA-1
SEMI-VOLATILE METHOD BLANK SUMMARY

SAMPLE NO.

1116370BLANK

Lab Name: Pace Analytical - Indiana SDG No.: 5099627 Contract: Sibley - Accucast

Instrument ID: 50GCS8 Matrix: Solid Lab Sample ID: 1116370

Lab File ID: 062614.B\069B6801.D Date Analyzed: 06/27/2014 Time: 01:01

SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	ANALYZED
1116371LCS	1116371	062614.B\070B6901.D	06/27/2014 01:06
P-8 (6-8)	5099627001	062614.B\073B7201.D	06/27/2014 01:24
TMW-7 (8-10)	5099627002	062614.B\074B7301.D	06/27/2014 01:30
P-8 (16-18)	5099627003	062614.B\075B7401.D	06/27/2014 01:35
1116372MS	1116372	062614.B\076B7501.D	06/27/2014 01:41
1116373MSD	1116373	062614.B\077B7601.D	06/27/2014 01:47
P-4 (16-18)	5099627004	062614.B\078B7701.D	06/27/2014 01:53
TMW-9 (3-5)	5099627005	062614.B\079B7801.D	06/27/2014 01:59
TMW-3 (15-16)	5099627006	062614.B\080B7901.D	06/27/2014 02:04
TMW-9 (16-18)	5099627007	062614.B\081B8001.D	06/27/2014 02:10
P-7 (13-15)	5099627008	062614.B\082B8101.D	06/27/2014 02:16
P-3 (16-18)	5099627009	062614.B\083B8201.D	06/27/2014 02:22
TMW-7 (14-16)	5099627010	062614.B\084B8301.D	06/27/2014 02:28
P-4 (5-7)	5099627011	062614.B\085B8401.D	06/27/2014 02:33
P-7 (5-7)	5099627012	062614.B\086B8501.D	06/27/2014 02:39
TMW-3 (8-9)	5099627014	062614.B\087B8601.D	06/27/2014 02:45
P-9 (2-4)	5099627015	062614.B\088B8701.D	06/27/2014 02:51
P-3 (8-10)	5099627016	062614.B\089B8801.D	06/27/2014 02:56
P-9 (13-15)	5099627017	062614.B\090B8901.D	06/27/2014 03:02
Surf-Dupe	5099627018	062614.B\091B9001.D	06/27/2014 03:08

PCB - FORM VI SVOA-1
PCB INITIAL CALIBRATION (MULTIPOINT)

Lab Name: Pace Analytical - Indiana Instrument ID: 50GCS8 GC Column: Col 1 SDG No.: 5099627
 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.

07/17/2014 9:26

PCB - FORM VI SVOA-2
PCB INITIAL CALIBRATION (MULTIPOINT)

Lab Name: Pace Analytical - Indiana Instrument ID: 50GCS8 GC Column: Col 1 SDG No.: 5099627
 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.

07/17/2014 9:26

PCB - FORM VI SVOA-1
PCB INITIAL CALIBRATION (MULTIPOINT)

Lab Name: Pace Analytical - Indiana Instrument ID: 50GCS8 GC Column: Col 2 SDG No.: 5099627
 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.: 5099627
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.

07/17/2014 9:26

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.: 5099627
 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.

07/17/2014 9:26

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.: 5099627
 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.

07/17/2014 9:26

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.: 5099627
 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.

07/17/2014 9:26

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.: 5099627
 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.

07/17/2014 9:26

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.: 5099627
 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.: 5099627
 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.: 5099627

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.

07/17/2014 9:26

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.: 5099627

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.

07/17/2014 9:26

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.: 5099627

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.

07/17/2014 9:26

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.: 5099627

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.

07/17/2014 9:26

PCB - FORM I SVOA-1
SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

P-8 (6-8)

Lab Name: Pace Analytical - Indiana
Date Received: 06/20/2014 10:42
Date Extracted: 06/24/2014 11:04
Date Analyzed: 06/27/2014 01:24
Initial wt/vol: 30.1 g Final wt/vol: 10 mL Dilution: 1

Contract: Sibley - Accucast
Matrix: Solid SDG No.: 5099627
Lab Sample ID: 5099627001
Lab File ID: 062614.B\073B7201.D
Instrument: 50GCS8 Percent Moisture: 9.9%

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

07/17/2014 9:26

Pace Analytical Services, Inc.

PCB by Method 8082A

Data file : \\192.168.50.6\chem\50GCS8.i\062614.b\073b7201.d
 Lab Smp Id: 5099627001 Client Smp ID: P-8 (6-8)
 Inj Date : 27-JUN-2014 01:24
 Operator : DMT Inst ID: 50GCS8.i
 Smp Info : 5099627001,
 Misc Info : 12741
 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: 73
 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	9.931	% Moisture
Cpnd Variable		Local Compound Variable

CONCENTRATIONS

RT	EXP RT	DLT RT	RESPONSE	ON-COL (ug/mL)	FINAL (ug/Kg)	TARGET RANGE	RATIO
0.765	0.768	-0.003	11230832	0.15379	56.727		

\$ 1 Tetrachloro-m-xylene CAS #: 877-09-8

Date : 27-JUN-2014 01:24

Client ID: P-8 (6-8)

Sample Info: 5099627001,

Volume Injected (uL): 1.0

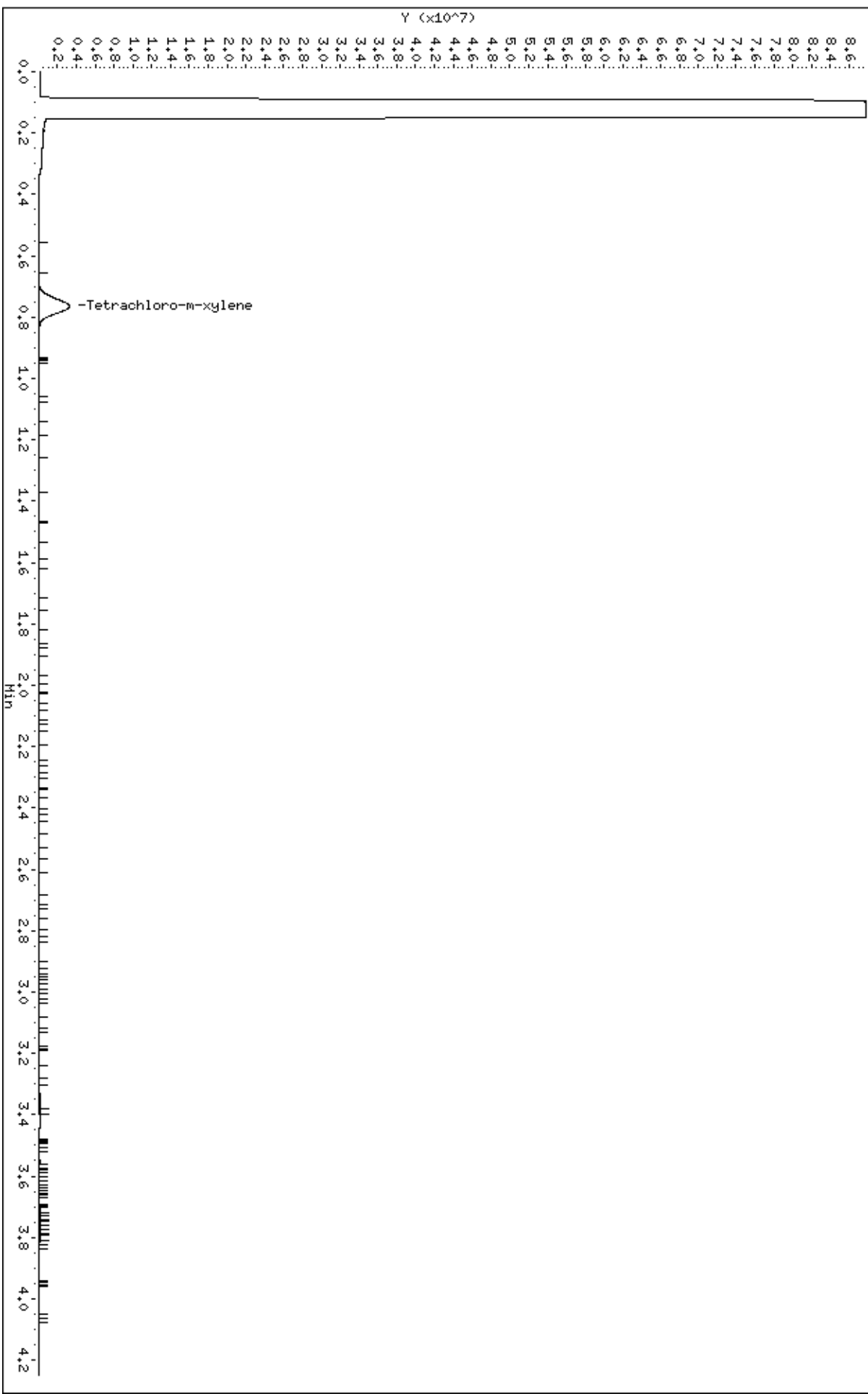
Column phase:

Instrument: 500CS8.1

Operator: DMT

Column diameter: 0.00

\\192.168.50.6\chem\500CS8.1\062614.b\07367201.d



PCB - FORM I SVOA-1
SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TMW-7 (8-10)

Lab Name: Pace Analytical - Indiana
Date Received: 06/20/2014 10:42
Date Extracted: 06/24/2014 11:04
Date Analyzed: 06/27/2014 01:30
Initial wt/vol: 30 g Final wt/vol: 10 mL Dilution: 1

Contract: Sibley - Accucast
Matrix: Solid SDG No.: 5099627
Lab Sample ID: 5099627002
Lab File ID: 062614.B\074B7301.D
Instrument: 50GCS8 Percent Moisture: 15.5%

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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PCB by Method 8082A

Data file : \\192.168.50.6\chem\50GCS8.i\062614.b\074b7301.d
 Lab Smp Id: 5099627002 Client Smp ID: TMW-7 (8-10)
 Inj Date : 27-JUN-2014 01:30
 Operator : DMT Inst ID: 50GCS8.i
 Smp Info : 5099627002,
 Misc Info : 12741
 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: 74
 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	15.535	% Moisture
Cpnd Variable		Local Compound Variable

CONCENTRATIONS

RT	EXP RT	DLT RT	RESPONSE	ON-COL (ug/mL)	FINAL (ug/Kg)	TARGET RANGE	RATIO
\$ 1	0.762	0.768	12061283	0.16517	65.180		

Date: 27-JUN-2014 01:30

Client ID: TMM-7 (8-10)

Sample Info: 5099627002,

Volume Injected (uL): 1.0

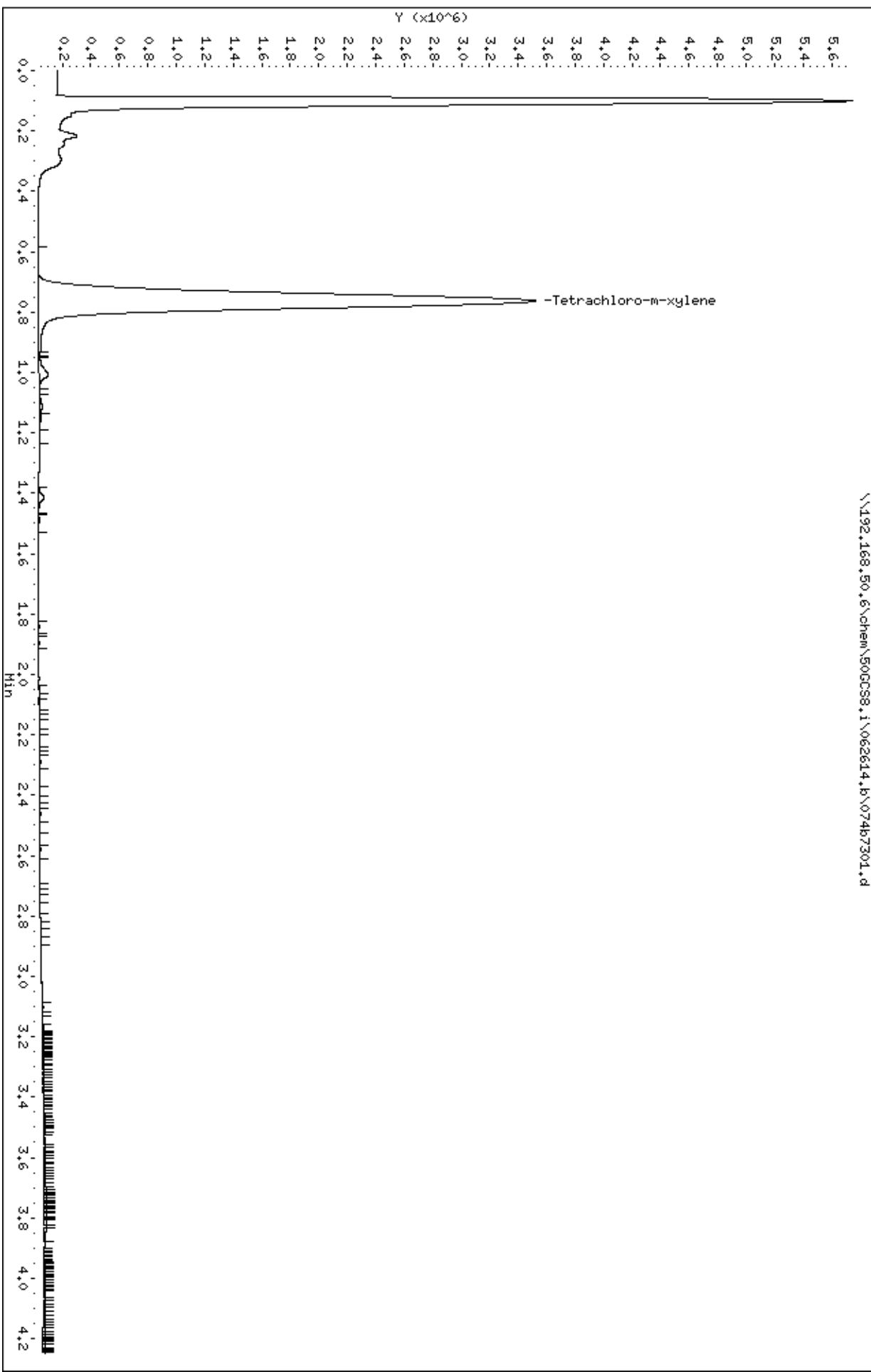
Column phase:

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 (16-18)

Lab Name: Pace Analytical - Indiana
Date Received: 06/20/2014 10:42
Date Extracted: 06/24/2014 11:04
Date Analyzed: 06/27/2014 01:35
Initial wt/vol: 30.2 g Final wt/vol: 10 mL Dilution: 1

Contract: Sibley - Accucast
Matrix: Solid SDG No.: 5099627
Lab Sample ID: 5099627003
Lab File ID: 062614.B\075B7401.D
Instrument: 50GCS8 Percent Moisture: 16.0%

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\075b7401.d
 Lab Smp Id: 5099627003 Client Smp ID: P-8 (16-18)
 Inj Date : 27-JUN-2014 01:35
 Operator : DMT Inst ID: 50GCS8.i
 Smp Info : 5099627003,
 Misc Info : 12741
 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: 75
 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	16.027	% Moisture
Cpnd Variable		Local Compound Variable

CONCENTRATIONS

RT	EXP RT	DLT RT	RESPONSE	ON-COL (ug/mL)	FINAL (ug/Kg)	TARGET RANGE	RATIO
\$ 1							
0.764	0.768	-0.004	12765587	0.17481	68.931		

Date : 27-JUN-2014 01:35

Client ID: P-8 (16-18)

Sample Info: 5099627003,

Volume Injected (uL): 1.0

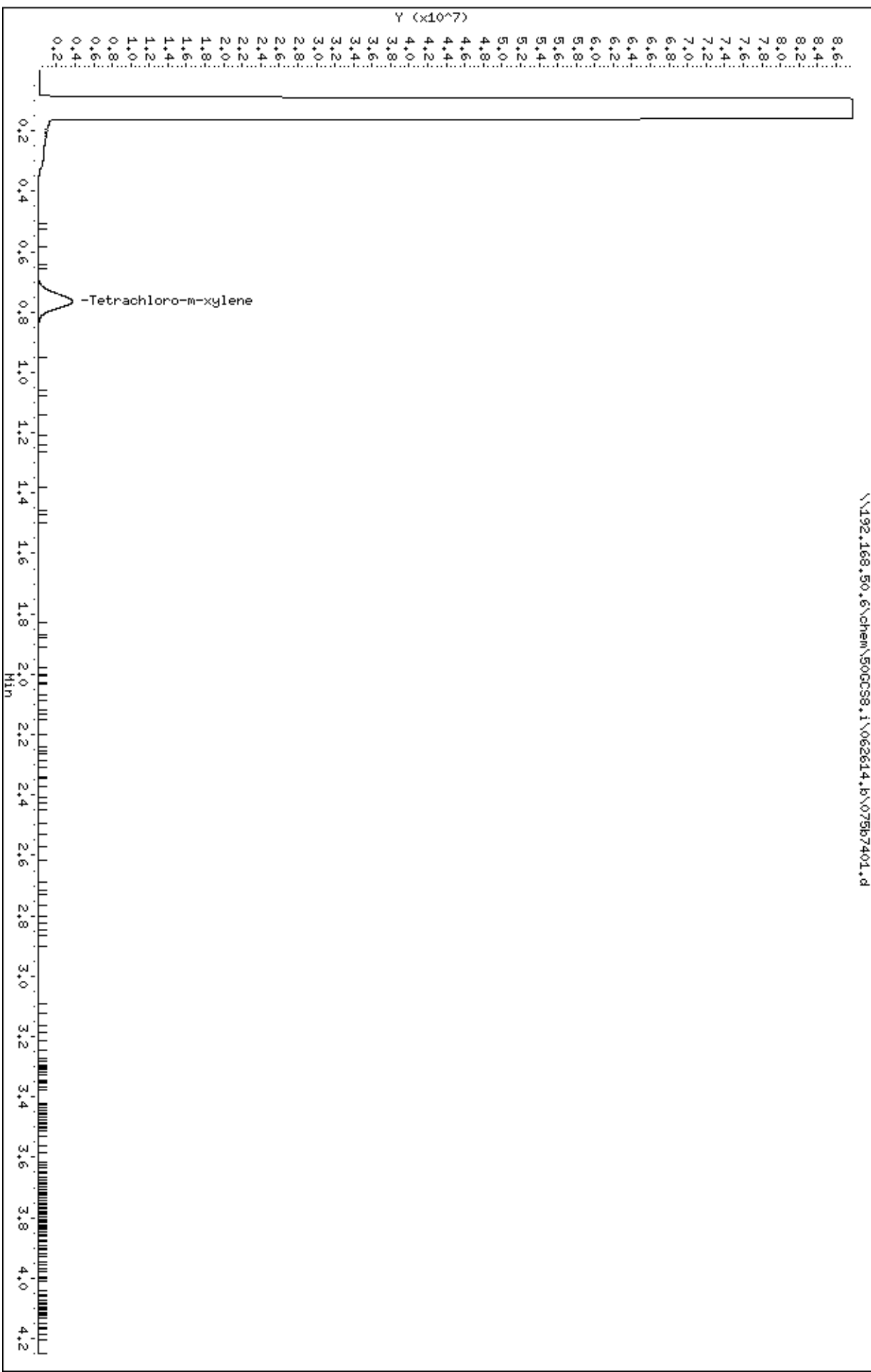
Column phase:

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-4 (16-18)

Lab Name: Pace Analytical - Indiana
Date Received: 06/20/2014 10:42
Date Extracted: 06/24/2014 11:04
Date Analyzed: 06/27/2014 01:53
Initial wt/vol: 30.1 g Final wt/vol: 10 mL Dilution: 1

Contract: Sibley - Accucast
Matrix: Solid SDG No.: 5099627
Lab Sample ID: 5099627004
Lab File ID: 062614.B\078B7701.D
Instrument: 50GCS8 Percent Moisture: 16.0%

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\078b7701.d
 Lab Smp Id: 5099627004 Client Smp ID: P-4 (16-18)
 Inj Date : 27-JUN-2014 01:53
 Operator : DMT Inst ID: 50GCS8.i
 Smp Info : 5099627004,
 Misc Info : 12741
 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: 78
 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	16.015	% 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	12000952	0.16434	65.008		

\$ 1 Tetrachloro-m-xylene CAS #: 877-09-8

Date: 27-JUN-2014 01:53

Client ID: P-4 (16-18)

Sample Info: 5099627004,

Volume Injected (uL): 1.0

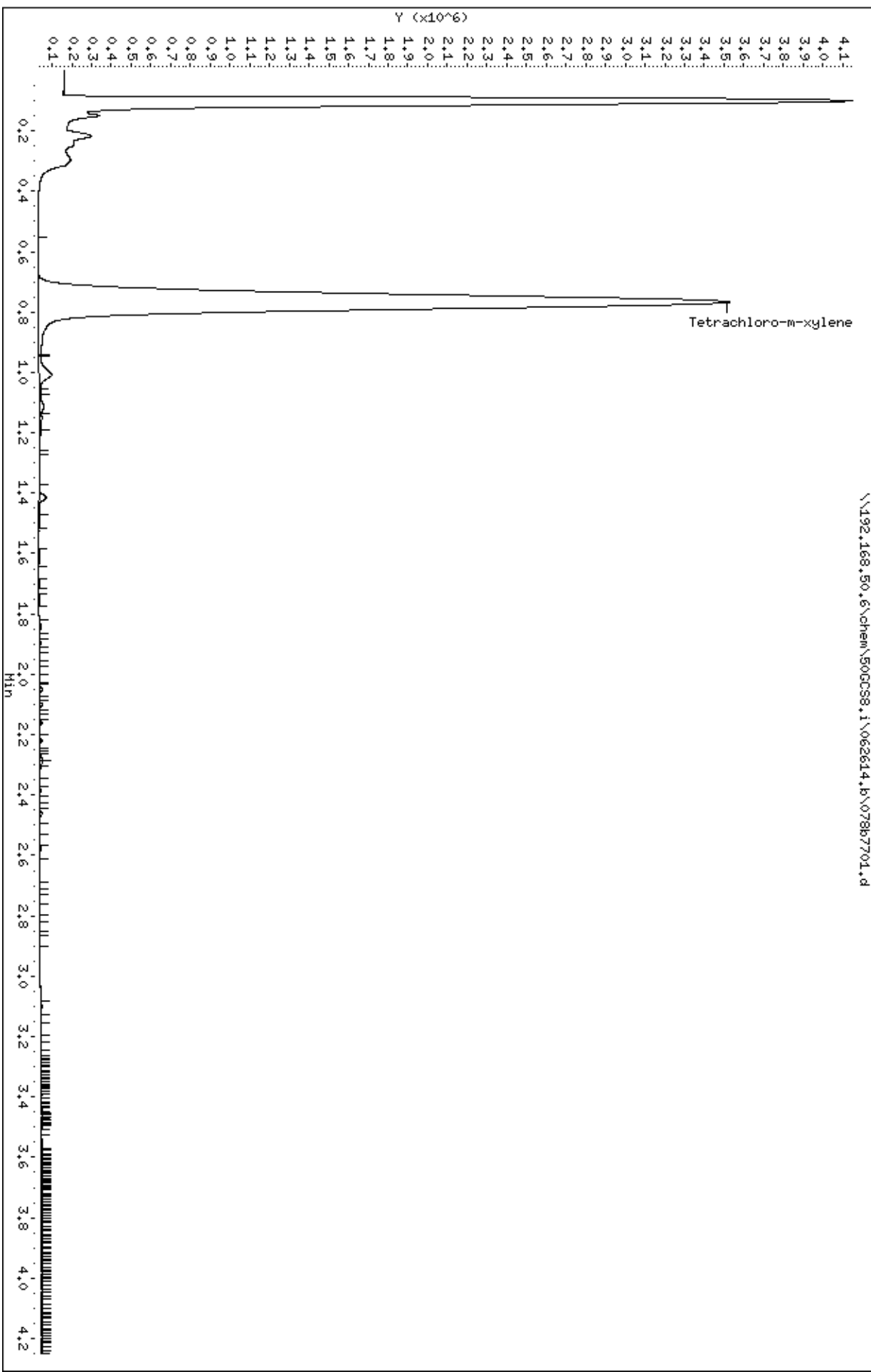
Column phase:

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-9 (3-5)

Lab Name: Pace Analytical - Indiana
Date Received: 06/20/2014 10:42
Date Extracted: 06/24/2014 11:04
Date Analyzed: 06/27/2014 01:59
Initial wt/vol: 30.2 g Final wt/vol: 10 mL Dilution: 1

Contract: Sibley - Accucast
Matrix: Solid SDG No.: 5099627
Lab Sample ID: 5099627005
Lab File ID: 062614.B\079B7801.D
Instrument: 50GCS8 Percent Moisture: 17.0%

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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PCB by Method 8082A

Data file : \\192.168.50.6\chem\50GCS8.i\062614.b\079b7801.d
 Lab Smp Id: 5099627005 Client Smp ID: TMW-9 (3-5)
 Inj Date : 27-JUN-2014 01:59
 Operator : DMT Inst ID: 50GCS8.i
 Smp Info : 5099627005,
 Misc Info : 12741
 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: 79
 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	17.047	% Moisture
Cpnd Variable		Local Compound Variable

CONCENTRATIONS

RT	EXP RT	DLT RT	RESPONSE	ON-COL (ug/mL)	FINAL (ug/Kg)	TARGET RANGE	RATIO
0.762	0.768	-0.006	12442172	0.17038	68.011		

\$ 1 Tetrachloro-m-xylene CAS #: 877-09-8

Date: 27-JUN-2014 01:59

Client ID: TMM-9 (3-5)

Sample Info: 5099627005,

Volume Injected (uL): 1.0

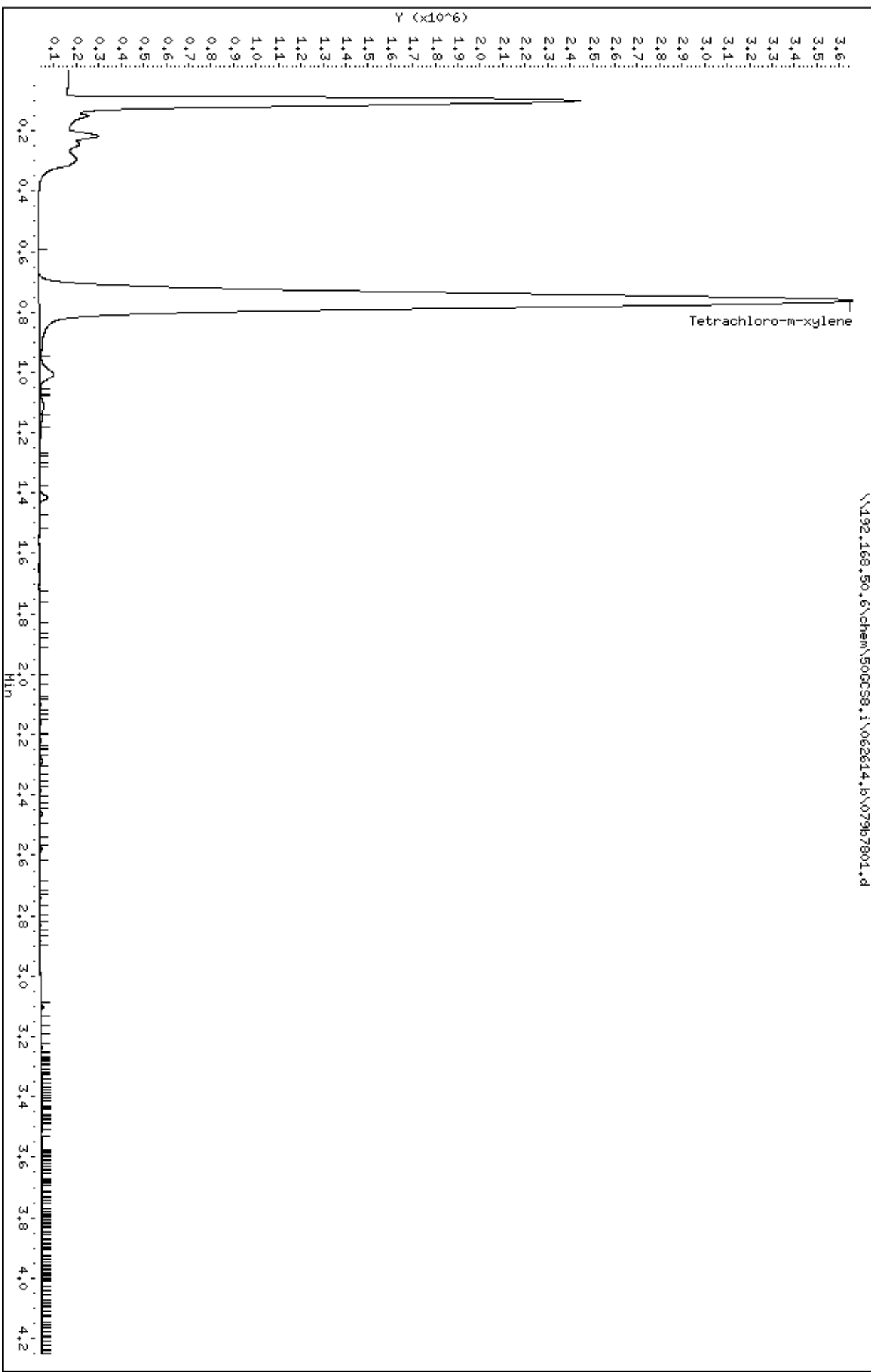
Column phase:

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-3 (15-16)

Lab Name: Pace Analytical - Indiana
Date Received: 06/20/2014 10:42
Date Extracted: 06/24/2014 11:04
Date Analyzed: 06/27/2014 02:04
Initial wt/vol: 30 g Final wt/vol: 10 mL Dilution: 1

Contract: Sibley - Accucast
Matrix: Solid SDG No.: 5099627
Lab Sample ID: 5099627006
Lab File ID: 062614.B\080B7901.D
Instrument: 50GCS8 Percent Moisture: 14.3%

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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PCB by Method 8082A

Data file : \\192.168.50.6\chem\50GCS8.i\062614.b\080b7901.d
 Lab Smp Id: 5099627006 Client Smp ID: TMW-3 (15-16)
 Inj Date : 27-JUN-2014 02:04
 Operator : DMT Inst ID: 50GCS8.i
 Smp Info : 5099627006,
 Misc Info : 12741
 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: 80
 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	14.349	% Moisture
Cpnd Variable		Local Compound Variable

CONCENTRATIONS

ON-COL FINAL

RT	EXP RT	DLT RT	RESPONSE	(ug/mL)	(ug/Kg)	TARGET RANGE	RATIO
0.767	0.768	-0.001	10777876	0.14759	57.438		

\$ 1 Tetrachloro-m-xylene CAS #: 877-09-8

Date : 27-JUN-2014 02:04

Client ID: TMM-3 (15-16)

Sample Info: 5099627006,

Volume Injected (uL): 1.0

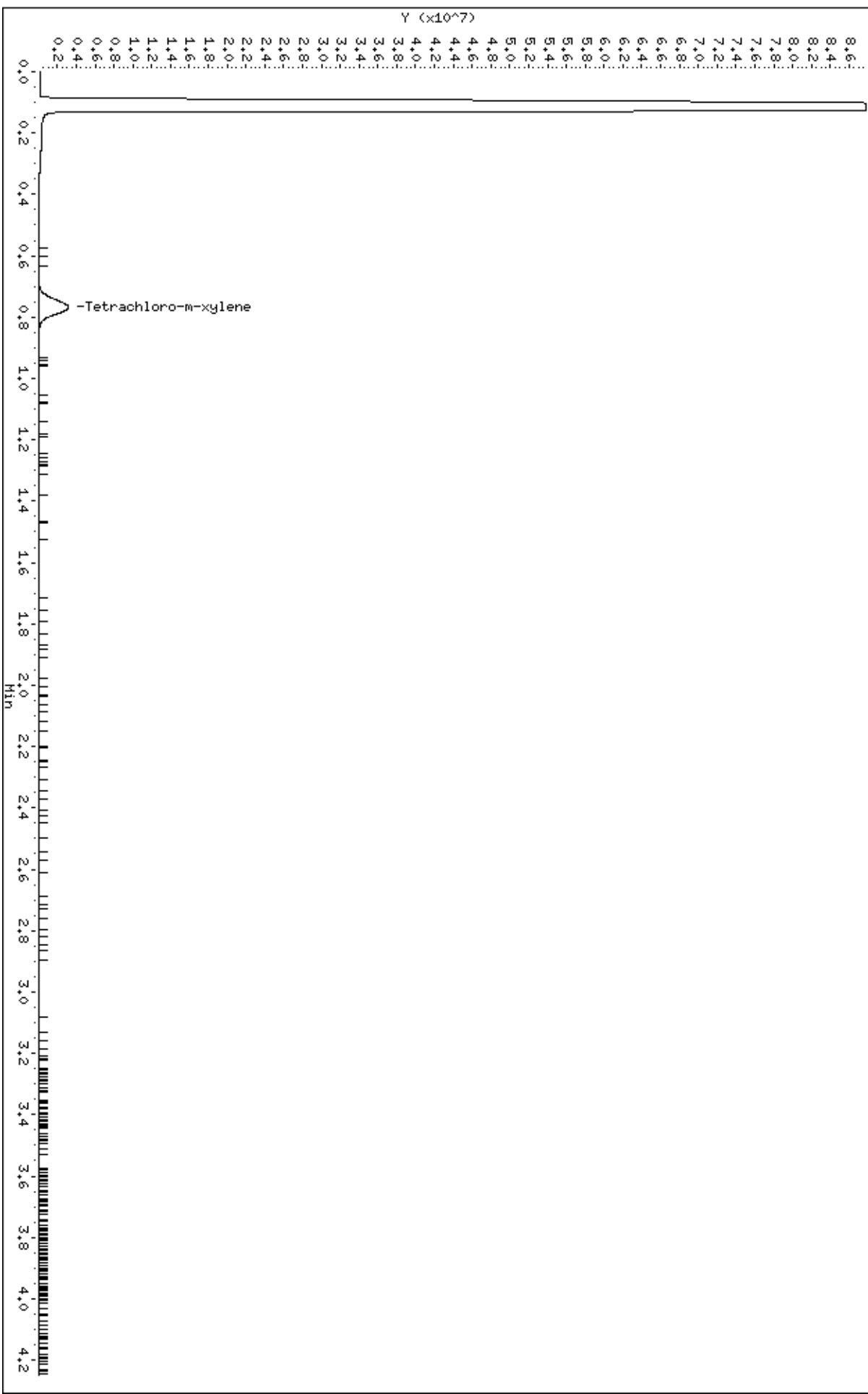
Column phase:

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-9 (16-18)

Lab Name: Pace Analytical - Indiana
Date Received: 06/20/2014 10:42
Date Extracted: 06/24/2014 11:04
Date Analyzed: 06/27/2014 02:10
Initial wt/vol: 30.3 g Final wt/vol: 10 mL Dilution: 1

Contract: Sibley - Accucast
Matrix: Solid SDG No.: 5099627
Lab Sample ID: 5099627007
Lab File ID: 062614.B\081B8001.D
Instrument: 50GCS8 Percent Moisture: 14.6%

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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PCB by Method 8082A

Data file : \\192.168.50.6\chem\50GCS8.i\062614.b\081b8001.d
 Lab Smp Id: 5099627007 Client Smp ID: TMW-9 (16-18)
 Inj Date : 27-JUN-2014 02:10
 Operator : DMT Inst ID: 50GCS8.i
 Smp Info : 5099627007,
 Misc Info : 12741
 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: 81
 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	14.608	% Moisture
Cpnd Variable		Local Compound Variable

CONCENTRATIONS

RT	EXP RT	DLT RT	RESPONSE	ON-COL (ug/mL)	FINAL (ug/Kg)	TARGET RANGE	RATIO
0.765	0.768	-0.003	12834331	0.17575	67.926		

\$ 1 Tetrachloro-m-xylene CAS #: 877-09-8

Date: 27-JUN-2014 02:10

Client ID: TMM-9 (16-18)

Sample Info: 5099627007,

Volume Injected (uL): 1.0

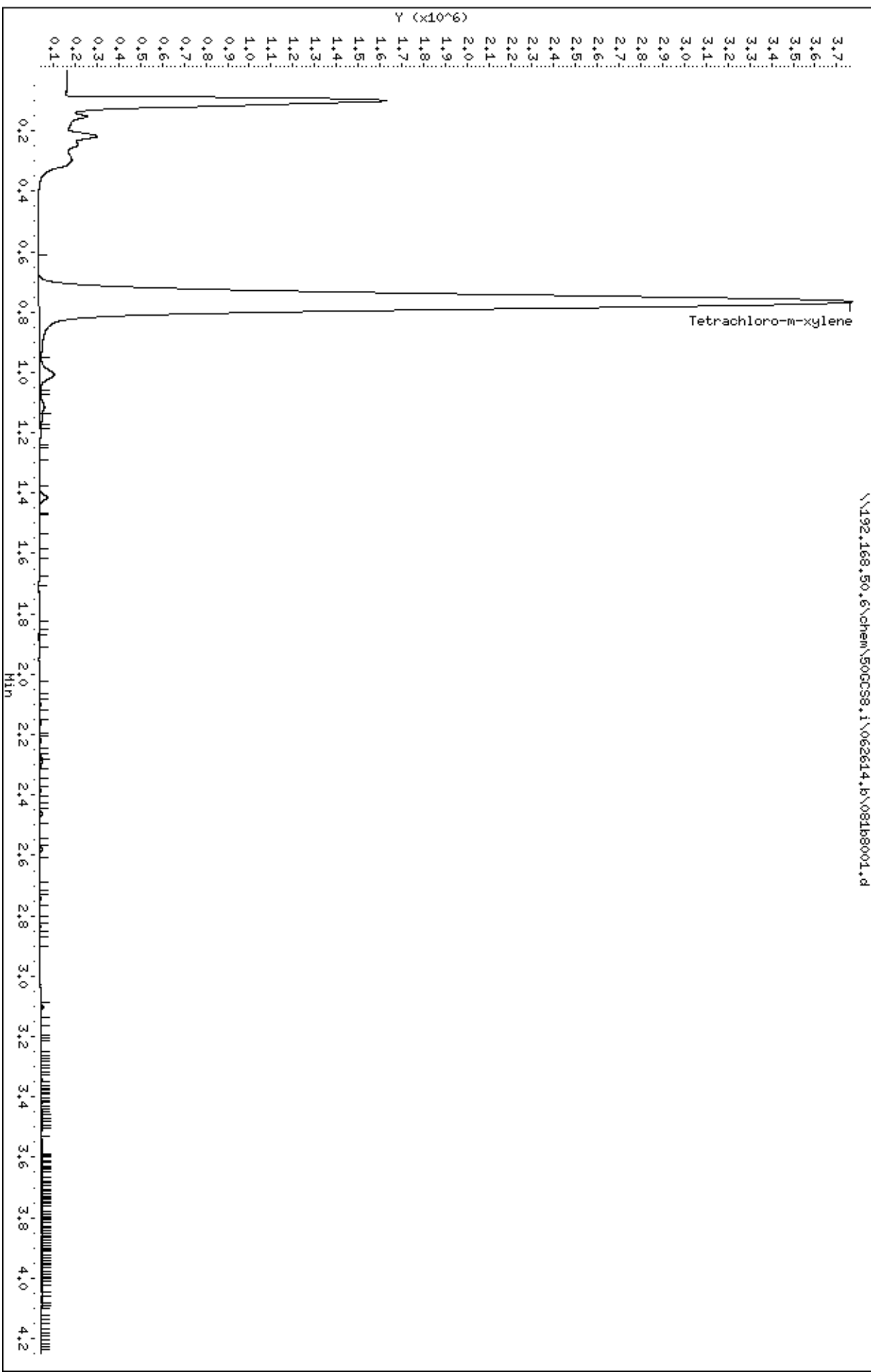
Column phase:

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-7 (13-15)

Lab Name: Pace Analytical - Indiana
Date Received: 06/20/2014 10:42
Date Extracted: 06/24/2014 11:04
Date Analyzed: 06/27/2014 02:16
Initial wt/vol: 30.1 g Final wt/vol: 10 mL Dilution: 1

Contract: Sibley - Accucast
Matrix: Solid SDG No.: 5099627
Lab Sample ID: 5099627008
Lab File ID: 062614.B\082B8101.D
Instrument: 50GCS8 Percent Moisture: 15.7%

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\062614.b\082b8101.d
 Lab Smp Id: 5099627008 Client Smp ID: P-7 (13-15)
 Inj Date : 27-JUN-2014 02:16
 Operator : DMT Inst ID: 50GCS8.i
 Smp Info : 5099627008,
 Misc Info : 12741
 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: 82
 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	15.729	% Moisture
Cpnd Variable		Local Compound Variable

CONCENTRATIONS

RT	EXP RT	DLT RT	RESPONSE	ON-COL (ug/mL)	FINAL (ug/Kg)	TARGET RANGE	RATIO
0.766	0.768	-0.002	13313947	0.18232	71.876		

\$ 1 Tetrachloro-m-xylene CAS #: 877-09-8

Date: 27-JUN-2014 02:16

Client ID: P-7 (13-15)

Sample Info: 5099627008,

Volume Injected (uL): 1.0

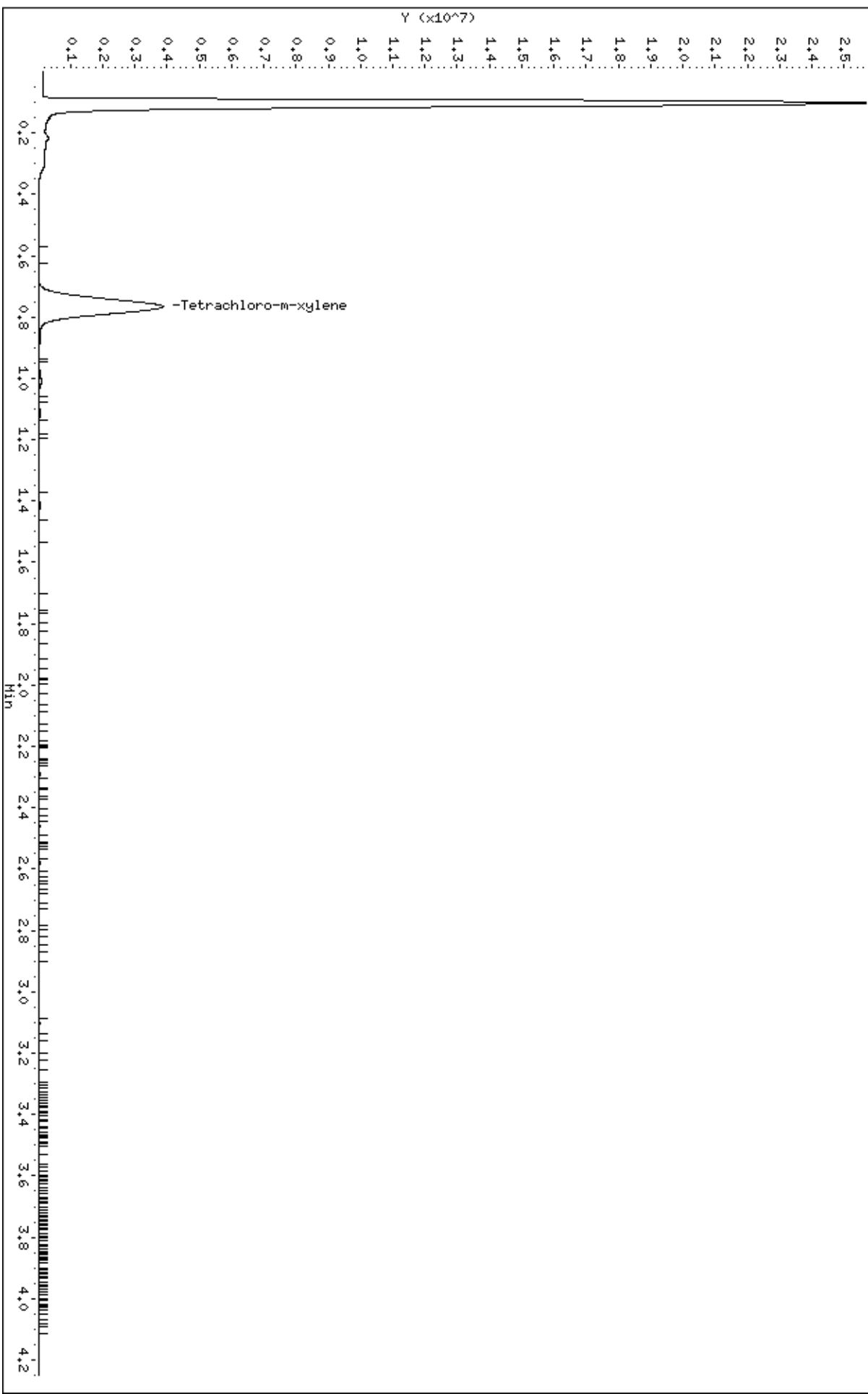
Column phase:

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 (16-18)

Lab Name: Pace Analytical - Indiana
Date Received: 06/20/2014 10:42
Date Extracted: 06/24/2014 11:04
Date Analyzed: 06/27/2014 02:22
Initial wt/vol: 30.3 g Final wt/vol: 10 mL Dilution: 1

Contract: Sibley - Accucast
Matrix: Solid SDG No.: 5099627
Lab Sample ID: 5099627009
Lab File ID: 062614.B\083B8201.D
Instrument: 50GCS8 Percent Moisture: 16.6%

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\083b8201.d
 Lab Smp Id: 5099627009 Client Smp ID: P-3 (16-18)
 Inj Date : 27-JUN-2014 02:22
 Operator : DMT Inst ID: 50GCS8.i
 Smp Info : 5099627009,
 Misc Info : 12741
 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: 83
 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	16.559	% Moisture
Cpnd Variable		Local Compound Variable

CONCENTRATIONS

ON-COL FINAL

RT	EXP RT	DLT RT	RESPONSE	(ug/mL)	(ug/Kg)	TARGET RANGE	RATIO
0.769	0.768	0.001	12972498	0.17764	70.263		

\$ 1 Tetrachloro-m-xylene CAS #: 877-09-8

Date: 27-JUN-2014 02:22

Client ID: P-3 (16-18)

Sample Info: 5099627009,

Volume Injected (uL): 1.0

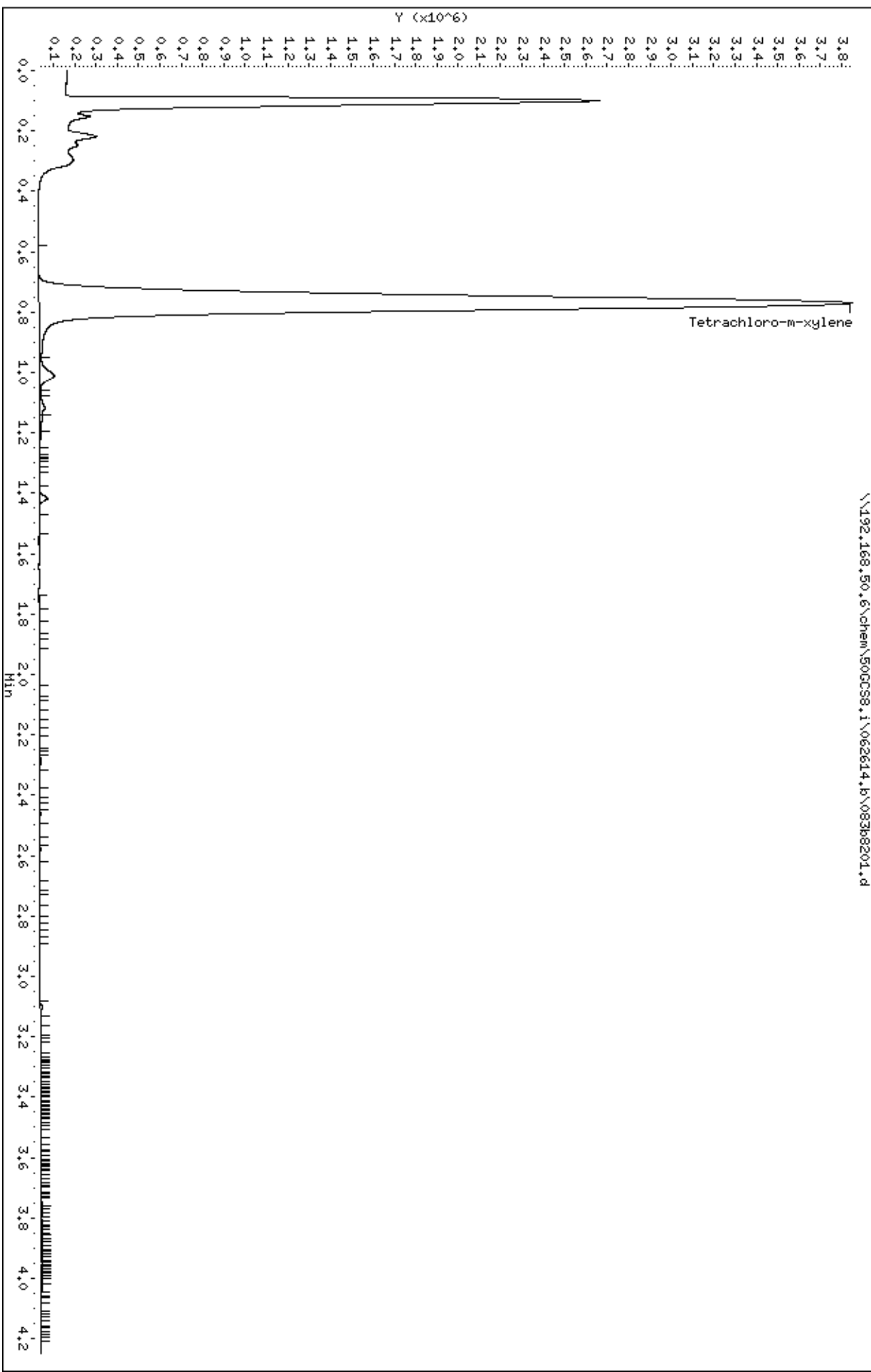
Column phase:

Instrument: 50CCS8.1

Operator: DMT

Column diameter: 0.00

\\192.168.50.6\chem\50CCS8.1\062614.b\08368201.d



PCB - FORM I SVOA-1
SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TMW-7 (14-16)

Lab Name: Pace Analytical - Indiana
Date Received: 06/20/2014 10:42
Date Extracted: 06/24/2014 11:04
Date Analyzed: 06/27/2014 02:28
Initial wt/vol: 30.2 g Final wt/vol: 10 mL Dilution: 1

Contract: Sibley - Accucast
Matrix: Solid SDG No.: 5099627
Lab Sample ID: 5099627010
Lab File ID: 062614.B\084B8301.D
Instrument: 50GCS8 Percent Moisture: 14.2%

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\062614.b\084b8301.d
 Lab Smp Id: 5099627010 Client Smp ID: TMW-7 (14-16)
 Inj Date : 27-JUN-2014 02:28
 Operator : DMT Inst ID: 50GCS8.i
 Smp Info : 5099627010,
 Misc Info : 12741
 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: 84
 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	14.163	% 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	13713556	0.18779	72.442		

\$ 1 Tetrachloro-m-xylene CAS #: 877-09-8

Date : 27-JUN-2014 02:28

Client ID: TMM-7 (14-16)

Sample Info: 5099627010,

Volume Injected (uL): 1.0

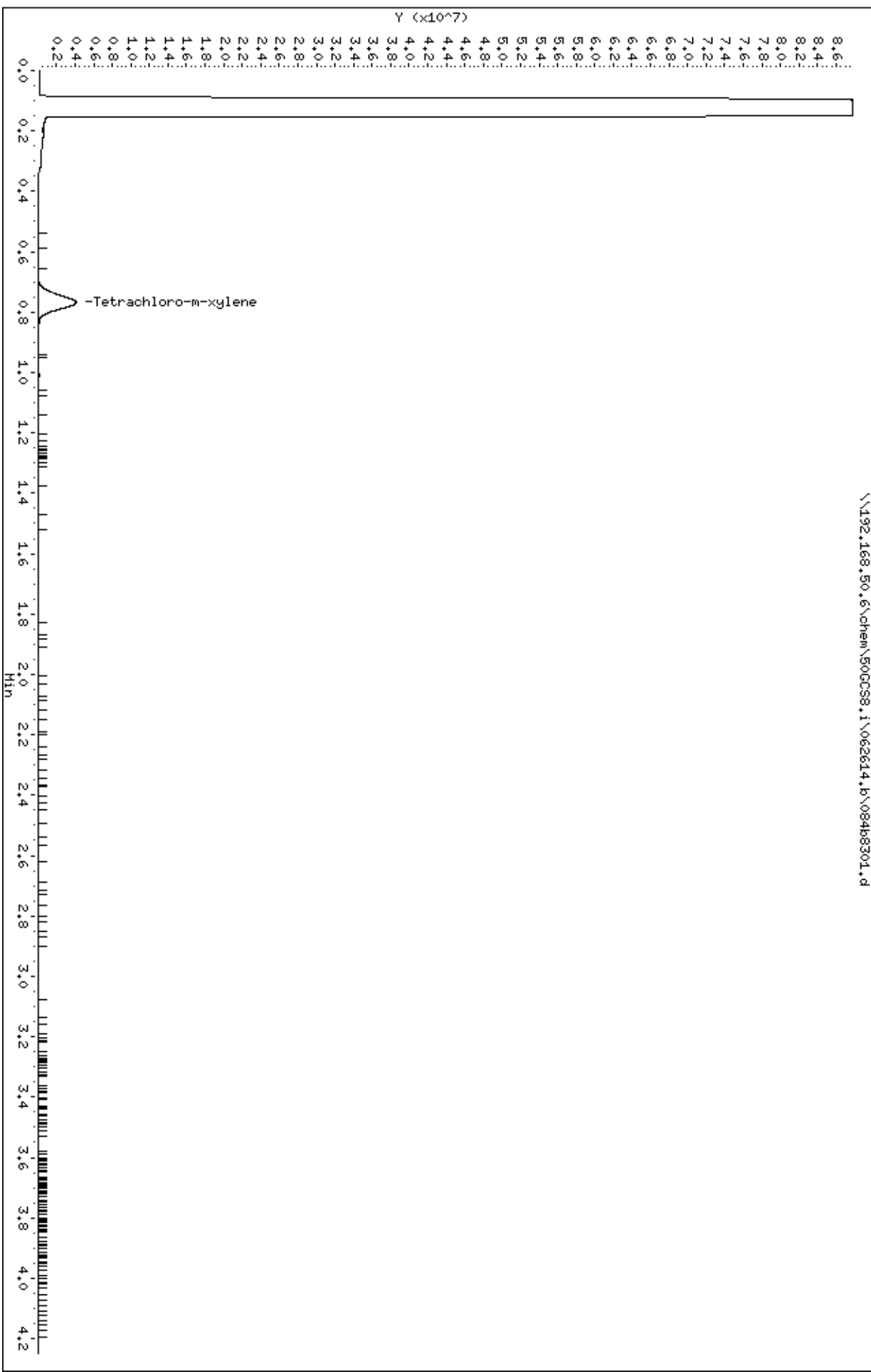
Column phase:

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-4 (5-7)

Lab Name: Pace Analytical - Indiana
Date Received: 06/20/2014 10:42
Date Extracted: 06/24/2014 11:04
Date Analyzed: 06/27/2014 02:33
Initial wt/vol: 30.1 g Final wt/vol: 10 mL Dilution: 1

Contract: Sibley - Accucast
Matrix: Solid SDG No.: 5099627
Lab Sample ID: 5099627011
Lab File ID: 062614.B\085B8401.D
Instrument: 50GCS8 Percent Moisture: 9.2%

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\062614.b\085b8401.d
 Lab Smp Id: 5099627011 Client Smp ID: P-4 (5-7)
 Inj Date : 27-JUN-2014 02:33
 Operator : DMT Inst ID: 50GCS8.i
 Smp Info : 5099627011,
 Misc Info : 12741
 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: 85
 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	9.204	% Moisture
Cpnd Variable		Local Compound Variable

CONCENTRATIONS

RT	EXP RT	DLT RT	RESPONSE	ON-COL (ug/mL)	FINAL (ug/Kg)	TARGET RANGE	RATIO
0.768	0.768	0.000	10625878	0.14551	53.242		

\$ 1 Tetrachloro-m-xylene CAS #: 877-09-8

Date : 27-JUN-2014 02:33

Client ID: P-4 (5-7)

Sample Info: 5099627011,

Volume Injected (uL): 1.0

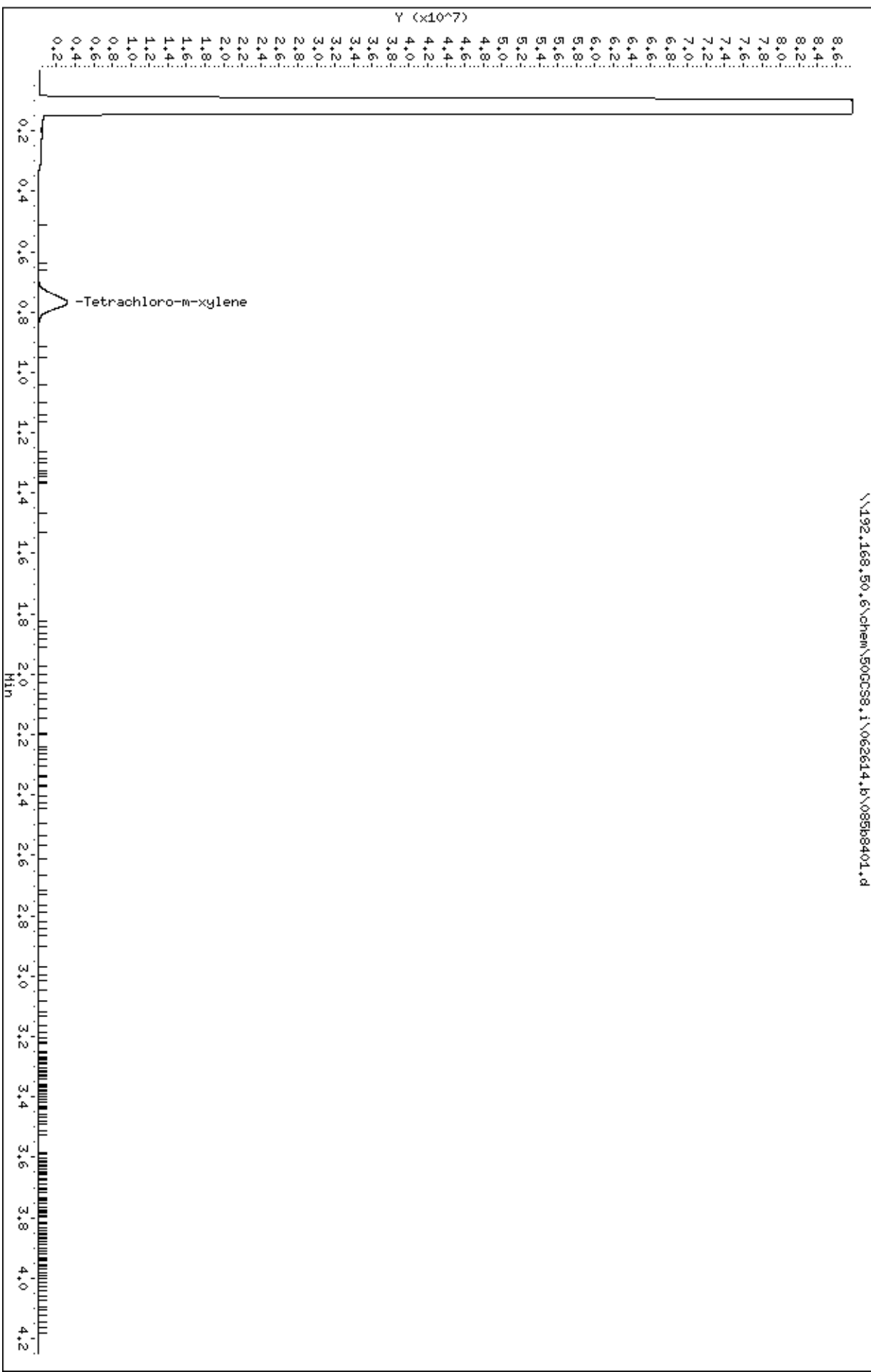
Column phase:

Instrument: 50CCS8.1

Operator: DMT

Column diameter: 0.00

\\192.168.50.6\chem\50CCS8.1\062614.b\085b8401.d



PCB - FORM I SVOA-1
SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

P-7 (5-7)

Lab Name: Pace Analytical - Indiana
Date Received: 06/20/2014 10:42
Date Extracted: 06/24/2014 11:04
Date Analyzed: 06/27/2014 02:39
Initial wt/vol: 30.2 g Final wt/vol: 10 mL Dilution: 1

Contract: Sibley - Accucast
Matrix: Solid SDG No.: 5099627
Lab Sample ID: 5099627012
Lab File ID: 062614.B\086B8501.D
Instrument: 50GCS8 Percent Moisture: 14.5%

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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PCB by Method 8082A

Data file : \\192.168.50.6\chem\50GCS8.i\062614.b\086b8501.d
 Lab Smp Id: 5099627012 Client Smp ID: P-7 (5-7)
 Inj Date : 27-JUN-2014 02:39
 Operator : DMT Inst ID: 50GCS8.i
 Smp Info : 5099627012,
 Misc Info : 12741
 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: 86
 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	14.491	% 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	12301961	0.16846	65.234		

\$ 1 Tetrachloro-m-xylene CAS #: 877-09-8

Date : 27-JUN-2014 02:39

Client ID: P-7 (5-7)

Sample Info: 5099627012,

Volume Injected (uL): 1.0

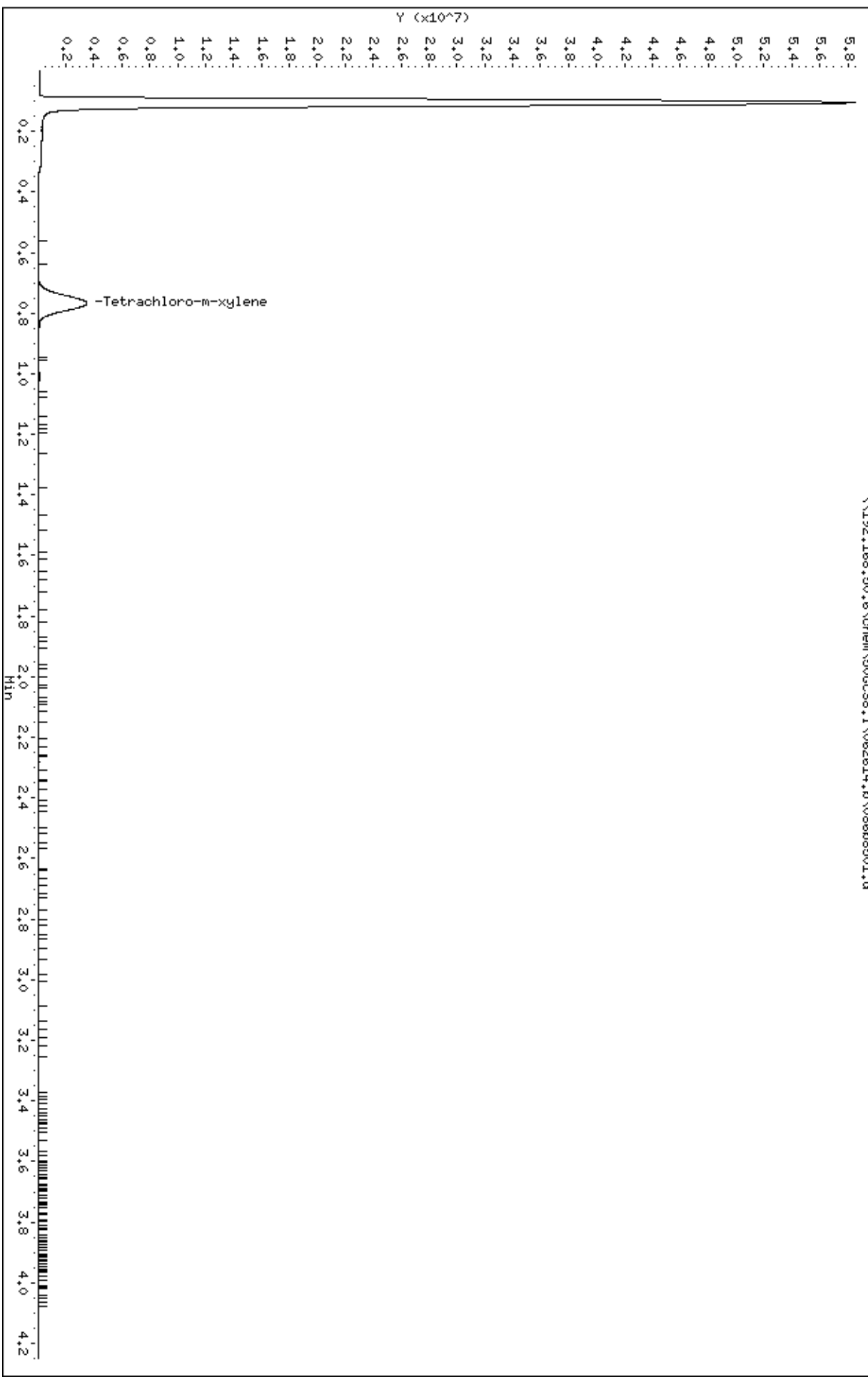
Column phase:

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-3 (8-9)

Lab Name: Pace Analytical - Indiana
Date Received: 06/20/2014 10:42
Date Extracted: 06/24/2014 11:04
Date Analyzed: 06/27/2014 02:45
Initial wt/vol: 30.1 g Final wt/vol: 10 mL Dilution: 1

Contract: Sibley - Accucast
Matrix: Solid SDG No.: 5099627
Lab Sample ID: 5099627014
Lab File ID: 062614.B\087B8601.D
Instrument: 50GCS8 Percent Moisture: 5.6%

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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PCB by Method 8082A

Data file : \\192.168.50.6\chem\50GCS8.i\062614.b\087b8601.d
 Lab Smp Id: 5099627014 Client Smp ID: TMW-3 (8-9)
 Inj Date : 27-JUN-2014 02:45
 Operator : DMT Inst ID: 50GCS8.i
 Smp Info : 5099627014,
 Misc Info : 12741
 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: 87
 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	5.571	% Moisture
Cpnd Variable		Local Compound Variable

CONCENTRATIONS

RT	EXP RT	DLT RT	RESPONSE	ON-COL (ug/mL)	FINAL (ug/Kg)	TARGET RANGE	RATIO

\$ 1	Tetrachloro-m-xylene			CAS #: 877-09-8			
0.770	0.768	0.002	13247327	0.18141	63.823		

48	Aroclor-1248			CAS #: 12672-29-6			
1.492	1.488	0.004	126547	0.04444	15.636	0.00-	0.00 100.00
1.701	1.698	0.003	104404	0.03241	11.404	0.00-	0.00 82.50
1.753	1.751	0.002	94940	0.04232	14.887	0.00-	0.00 75.02
2.049	2.047	0.002	205135	0.11586	40.761	0.00-	0.00 162.10
2.123	2.121	0.002	262224	0.21683	76.286	0.00-	0.00 207.21
Average of Peak Concentrations =				31.795			

Date : 27-JUN-2014 02:45

Client ID: TMM-3 (8-9)

Sample Info: 5099627014,

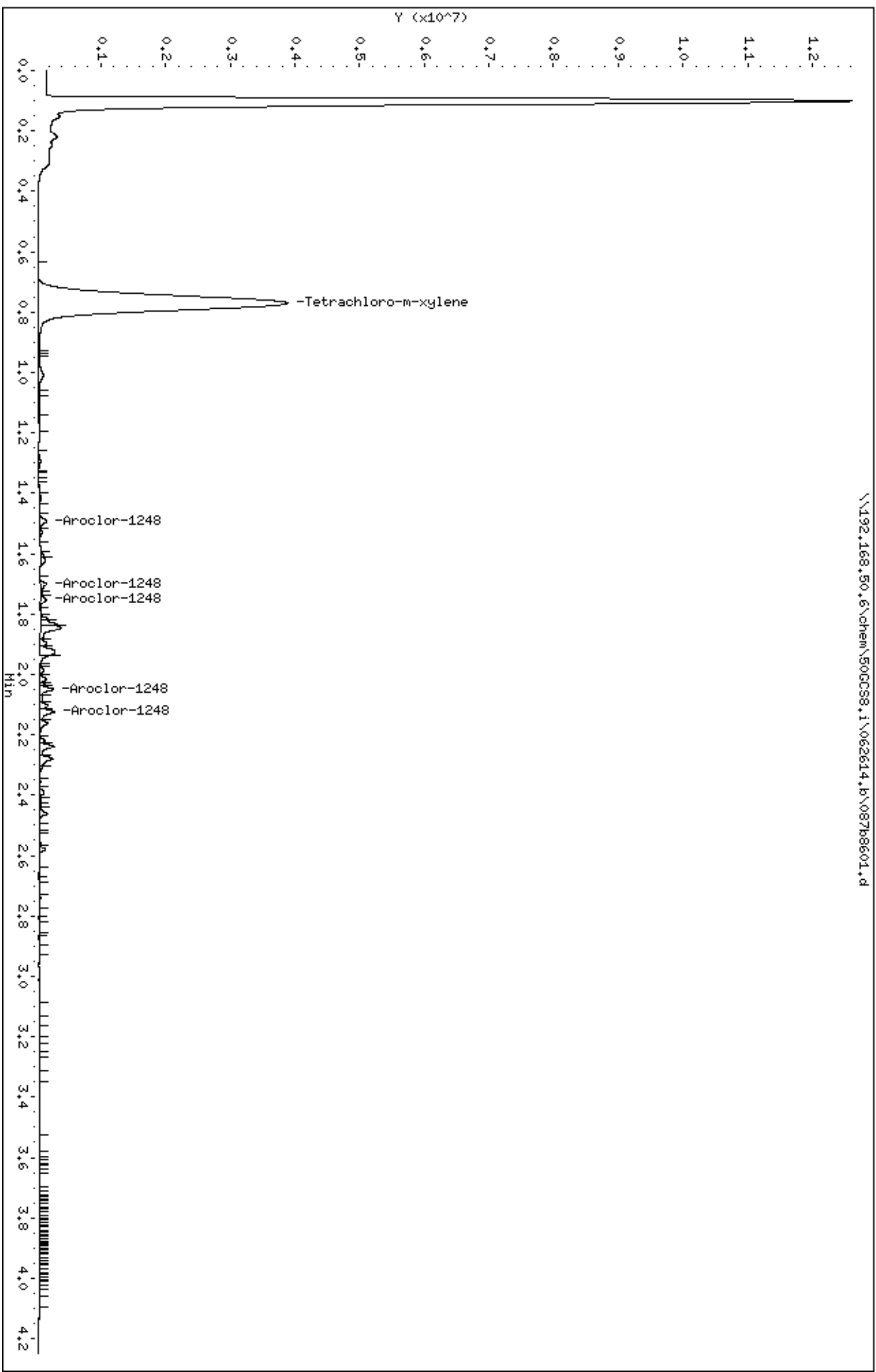
Volume Injected (uL): 1.0

Column phase:

Instrument: 50CCS8.1

Operator: DMT

Column diameter: 0.00



PCB - FORM I SVOA-1
SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

P-9 (2-4)

Lab Name: Pace Analytical - Indiana
Date Received: 06/20/2014 10:42
Date Extracted: 06/24/2014 11:04
Date Analyzed: 06/27/2014 02:51
Initial wt/vol: 30.1 g Final wt/vol: 10 mL Dilution: 1

Contract: Sibley - Accucast
Matrix: Solid SDG No.: 5099627
Lab Sample ID: 5099627015
Lab File ID: 062614.B\088B8701.D
Instrument: 50GCS8 Percent Moisture: 18.7%

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\062614.b\088b8701.d
 Lab Smp Id: 5099627015 Client Smp ID: P-9 (2-4)
 Inj Date : 27-JUN-2014 02:51
 Operator : DMT Inst ID: 50GCS8.i
 Smp Info : 5099627015,
 Misc Info : 12741
 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: 88
 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	18.666	% Moisture
Cpnd Variable		Local Compound Variable

CONCENTRATIONS

RT	EXP RT	DLT RT	RESPONSE	ON-COL (ug/mL)	FINAL (ug/Kg)	TARGET RANGE	RATIO
\$ 1	0.765	0.768	13869162	0.18992	77.578		

Date : 27-JUN-2014 02:51

Client ID: P-9 (2-4)

Sample Info: 5099627015,

Volume Injected (uL): 1.0

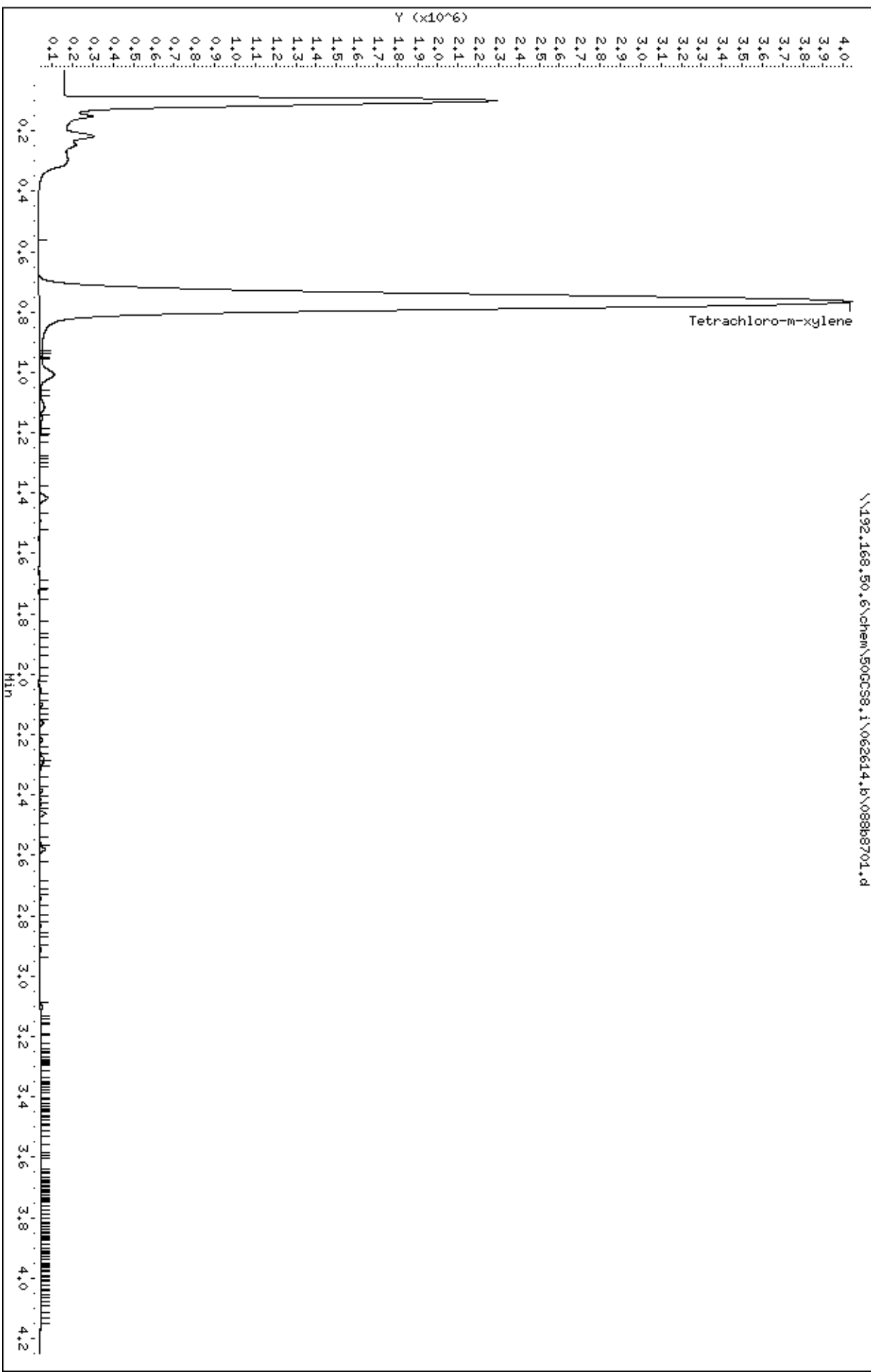
Column phase:

Instrument: 50CCS8.1

Operator: DMT

Column diameter: 0.00

\\192.168.50.6\chem\50CCS8.1\062614.b\088b8701.d



PCB - FORM I SVOA-1
SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

P-3 (8-10)

Lab Name: Pace Analytical - Indiana
Date Received: 06/20/2014 10:42
Date Extracted: 06/24/2014 11:04
Date Analyzed: 06/27/2014 02:56
Initial wt/vol: 30.2 g Final wt/vol: 10 mL Dilution: 1

Contract: Sibley - Accucast
Matrix: Solid SDG No.: 5099627
Lab Sample ID: 5099627016
Lab File ID: 062614.B\089B8801.D
Instrument: 50GCS8 Percent Moisture: 13.3%

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\062614.b\089b8801.d
 Lab Smp Id: 5099627016 Client Smp ID: P-3 (8-10)
 Inj Date : 27-JUN-2014 02:56
 Operator : DMT Inst ID: 50GCS8.i
 Smp Info : 5099627016,
 Misc Info : 12741
 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: 89
 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	13.310	% Moisture
Cpnd Variable		Local Compound Variable

CONCENTRATIONS

RT	EXP RT	DLT RT	RESPONSE	ON-COL (ug/mL)	FINAL (ug/Kg)	TARGET RANGE	RATIO
0.764	0.768	-0.004	11872640	0.16258	62.100		

\$ 1 Tetrachloro-m-xylene CAS #: 877-09-8

Date : 27-JUN-2014 02:56

Client ID: P-3 (8-10)

Sample Info: 5099627016,

Volume Injected (uL): 1.0

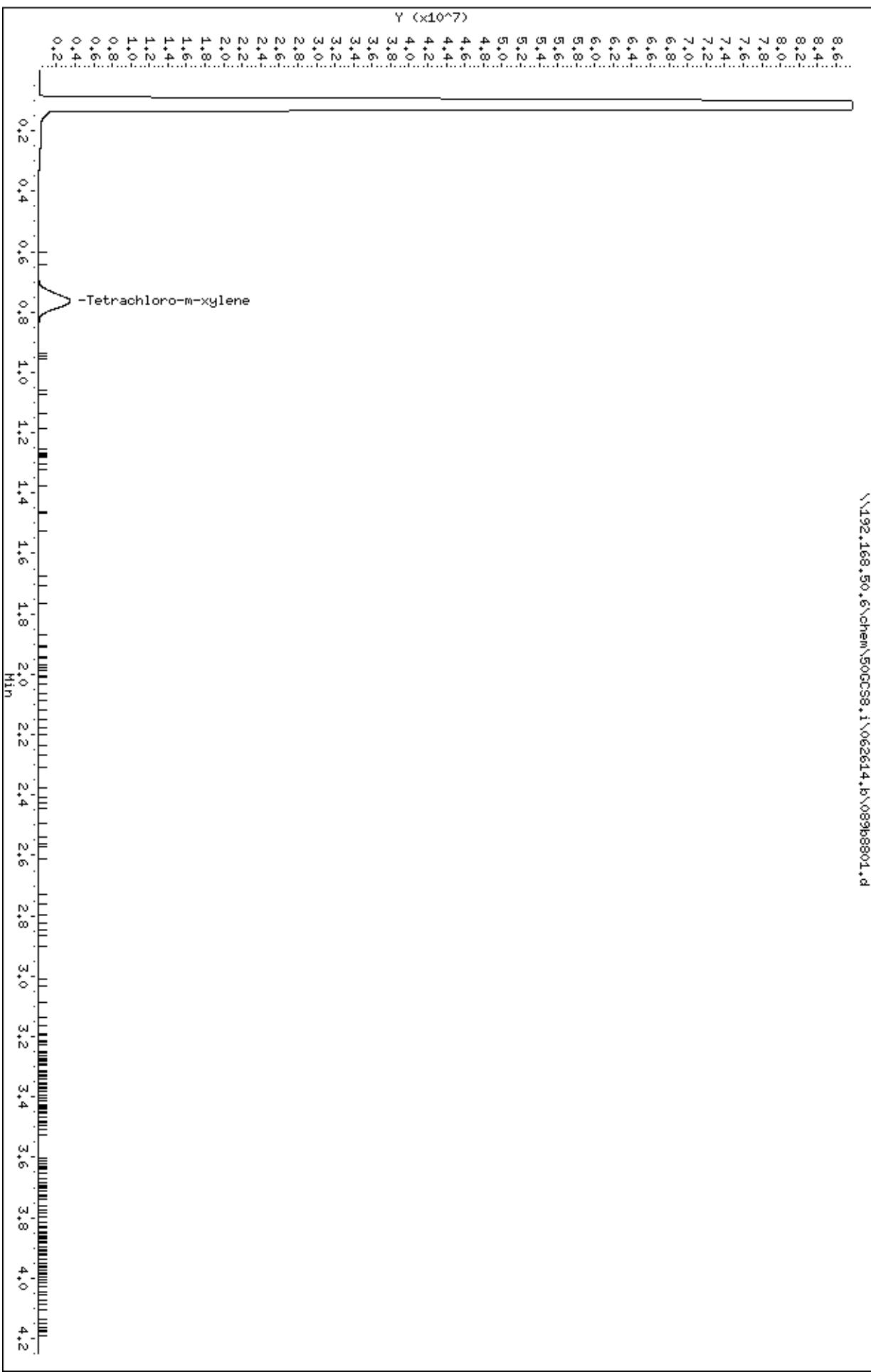
Column phase:

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-9 (13-15)

Lab Name: Pace Analytical - Indiana
Date Received: 06/20/2014 10:42
Date Extracted: 06/24/2014 11:04
Date Analyzed: 06/27/2014 03:02
Initial wt/vol: 30 g Final wt/vol: 10 mL Dilution: 1

Contract: Sibley - Accucast
Matrix: Solid SDG No.: 5099627
Lab Sample ID: 5099627017
Lab File ID: 062614.B\090B8901.D
Instrument: 50GCS8 Percent Moisture: 14.8%

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

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Pace Analytical Services, Inc.

PCB by Method 8082A

Data file : \\192.168.50.6\chem\50GCS8.i\062614.b\090b8901.d
 Lab Smp Id: 5099627017 Client Smp ID: P-9 (13-15)
 Inj Date : 27-JUN-2014 03:02
 Operator : DMT Inst ID: 50GCS8.i
 Smp Info : 5099627017,
 Misc Info : 12741
 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: 90
 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	14.768	% 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	13827621	0.18935	74.053		

\$ 1 Tetrachloro-m-xylene CAS #: 877-09-8

Date : 27-JUN-2014 03:02

Client ID: P-9 (13-15)

Sample Info: 5099627017,

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\09088901.d



PCB - FORM I SVOA-1
SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

Surf-Dupe

Lab Name: Pace Analytical - Indiana
Date Received: 06/20/2014 10:42
Date Extracted: 06/24/2014 11:04
Date Analyzed: 06/27/2014 03:08
Initial wt/vol: 30.1 g Final wt/vol: 10 mL Dilution: 1

Contract: Sibley - Accucast
Matrix: Solid SDG No.: 5099627
Lab Sample ID: 5099627018
Lab File ID: 062614.B\091B9001.D
Instrument: 50GCS8 Percent Moisture: 18.0%

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

07/17/2014 9:26

Pace Analytical Services, Inc.

PCB by Method 8082A

Data file : \\192.168.50.6\chem\50GCS8.i\062614.b\091b9001.d
 Lab Smp Id: 5099627018 Client Smp ID: Surf-Dupe
 Inj Date : 27-JUN-2014 03:08
 Operator : DMT Inst ID: 50GCS8.i
 Smp Info : 5099627018,
 Misc Info : 12741
 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: 91
 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	17.958	% Moisture
Cpnd Variable		Local Compound Variable

CONCENTRATIONS

RT	EXP RT	DLT RT	RESPONSE	ON-COL (ug/mL)	FINAL (ug/Kg)	TARGET RANGE	RATIO
\$ 1							
0.767	0.768	-0.001	11966483	0.16387	66.357		

Date: 27-JUN-2014 03:08

Client ID: Surf-Dupe

Sample Info: 5099627018,

Volume Injected (uL): 1.0

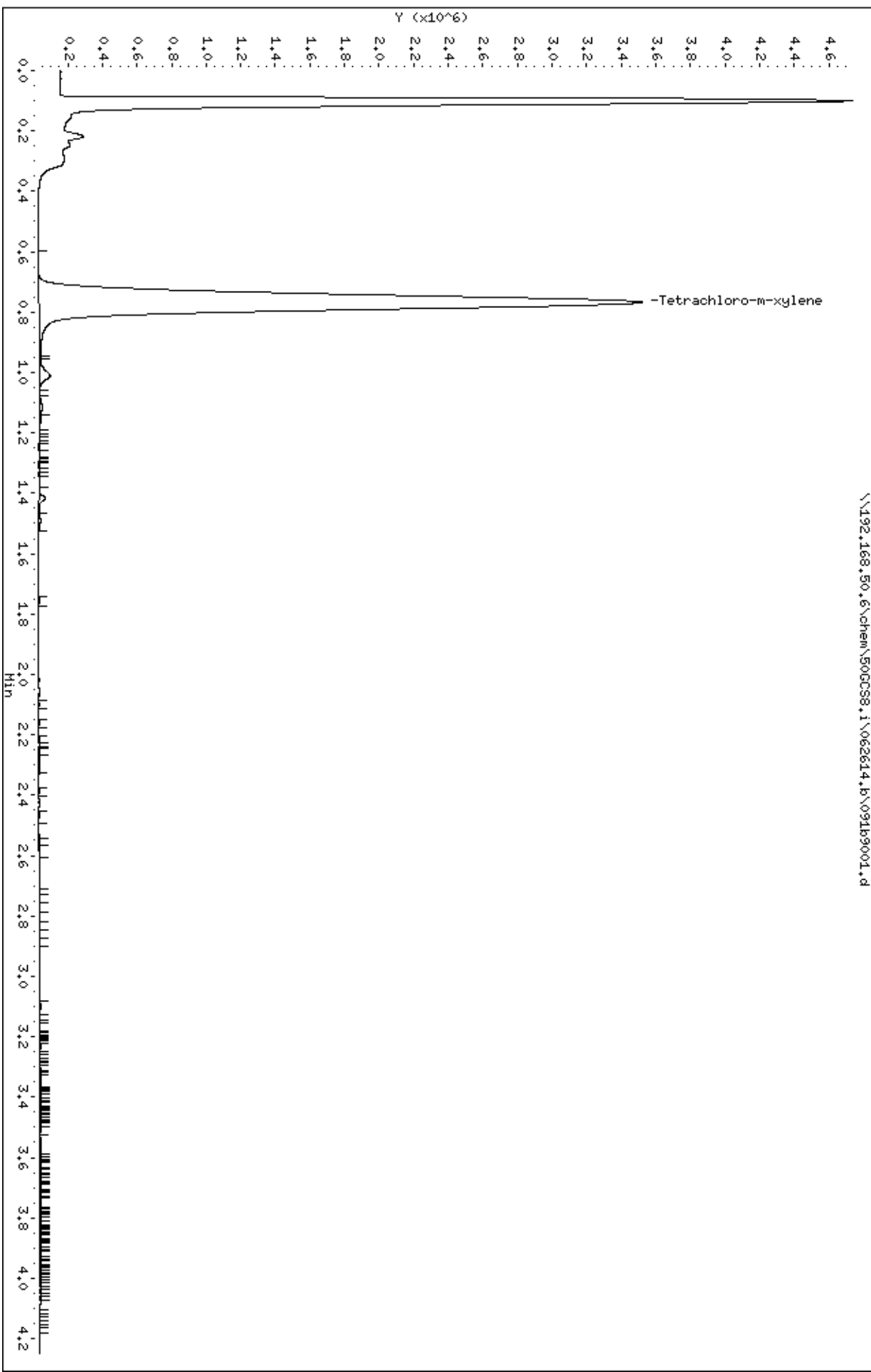
Column phase:

Instrument: 50CCS8.1

Operator: DMT

Column diameter: 0.00

\\192.168.50.6\chem\50CCS8.1\062614.b\09189001.d



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

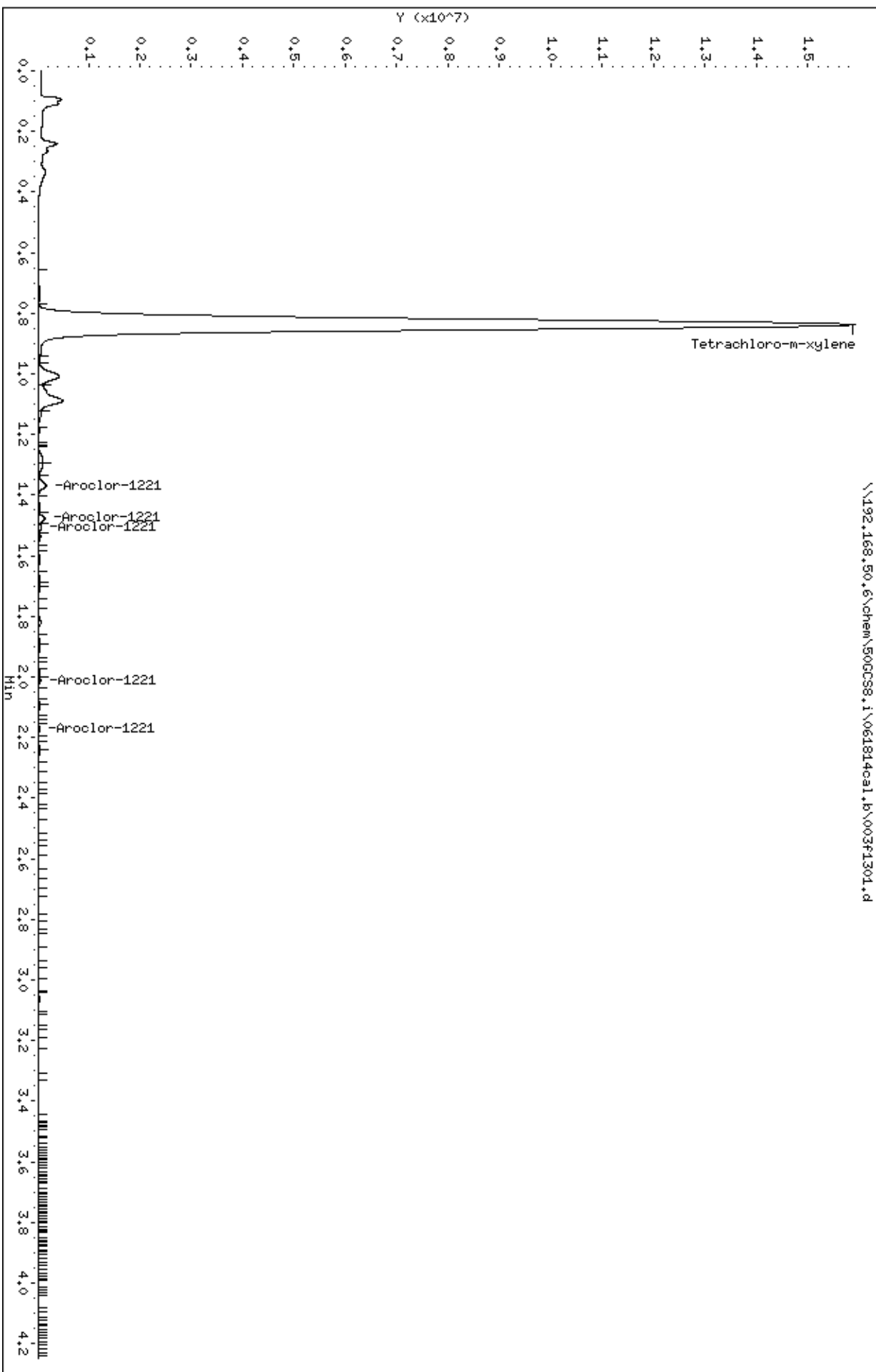
AMOUNTS								
			CAL-AMT		ON-COL			
RT	EXP RT	DLT RT	RESPONSE	(ug/mL)	(ug/mL)	TARGET	RANGE	RATIO
====	=====	=====	=====	=====	=====	=====	=====	=====
\$ 1			Tetrachloro-m-xylene		CAS #: 877-09-8			
0.838	0.837	0.001	38797153	1.00000	1.034			

45			Aroclor-1221		CAS #: 11104-28-2			
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



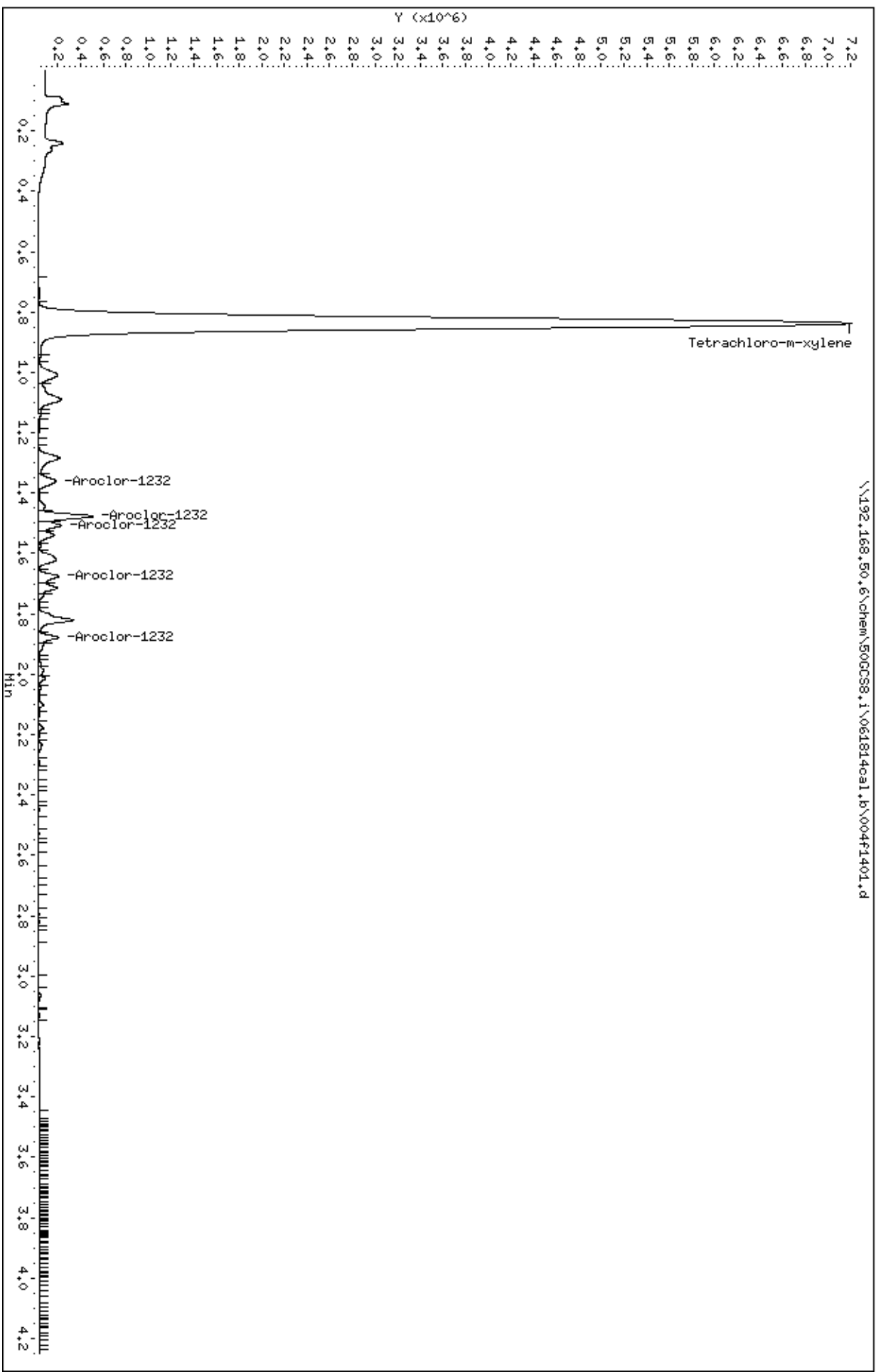
Pace Analytical Services, Inc.

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							
RT	EXP RT	DLT RT	RESPONSE	CAL-AMT (ug/mL)	ON-COL (ug/mL)	TARGET	RANGE	RATIO	
=====	=====	=====	=====	=====	=====	=====	=====	=====	=====
\$ 1									
0.837	0.837	0.000	18078595	0.50000	0.482				

46									
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	CAL-AMT		ON-COL	TARGET RANGE		RATIO
			RESPONSE	(ug/mL)	(ug/mL)			
=====	=====	=====	=====	=====	=====	=====	=====	=====
\$ 1			Tetrachloro-m-xylene			CAS #: 877-09-8		
0.749	0.754	-0.005	88336482	1.00000	1.055			

45			Aroclor-1221			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			

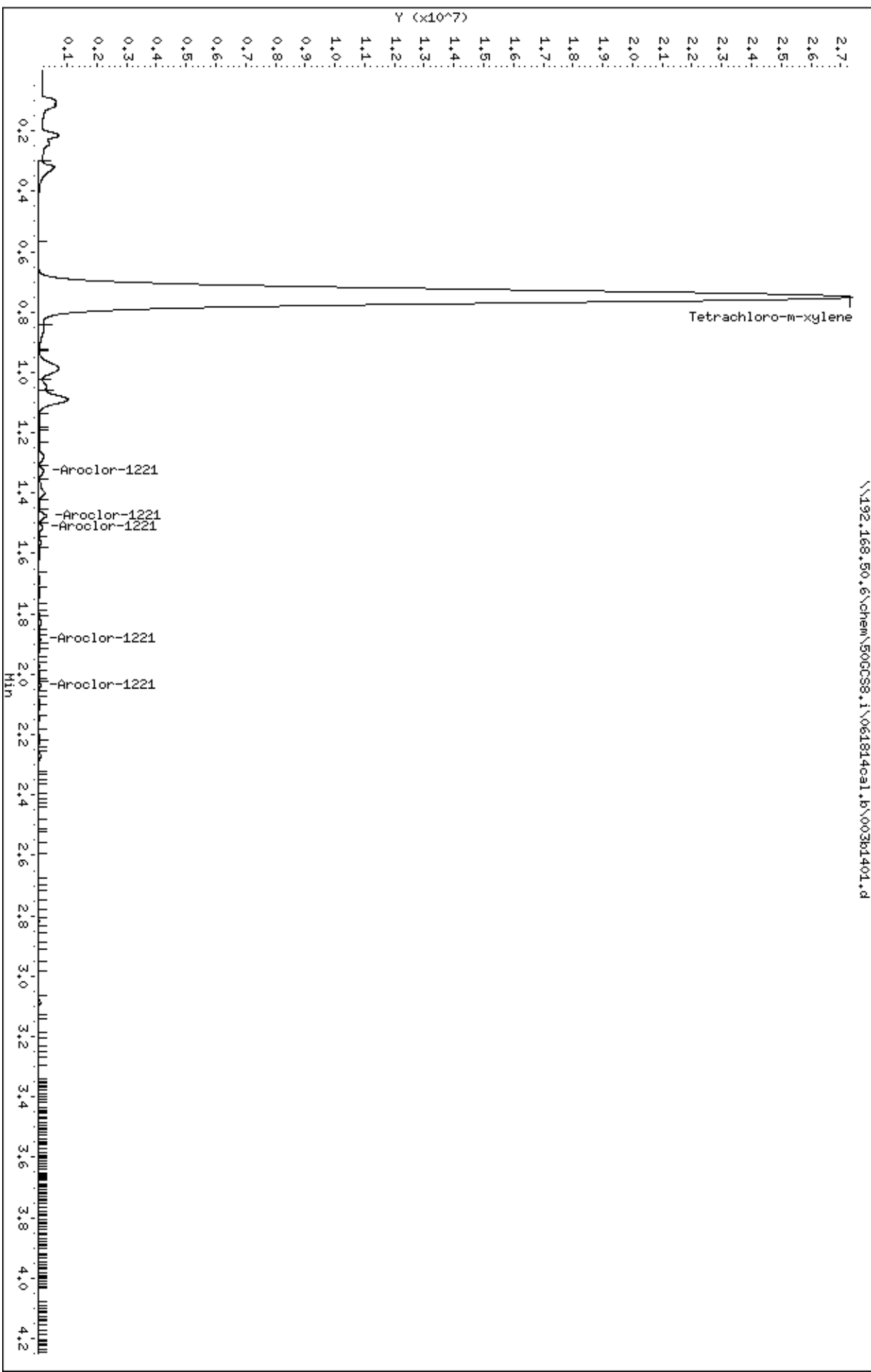
Instrument: 50CCS8.1

Operator: DMT

Column diameter: 0.00

Column phase:

\\192.168.50.6\chem\50CCS8.1\061814ca1.b\00361401.d



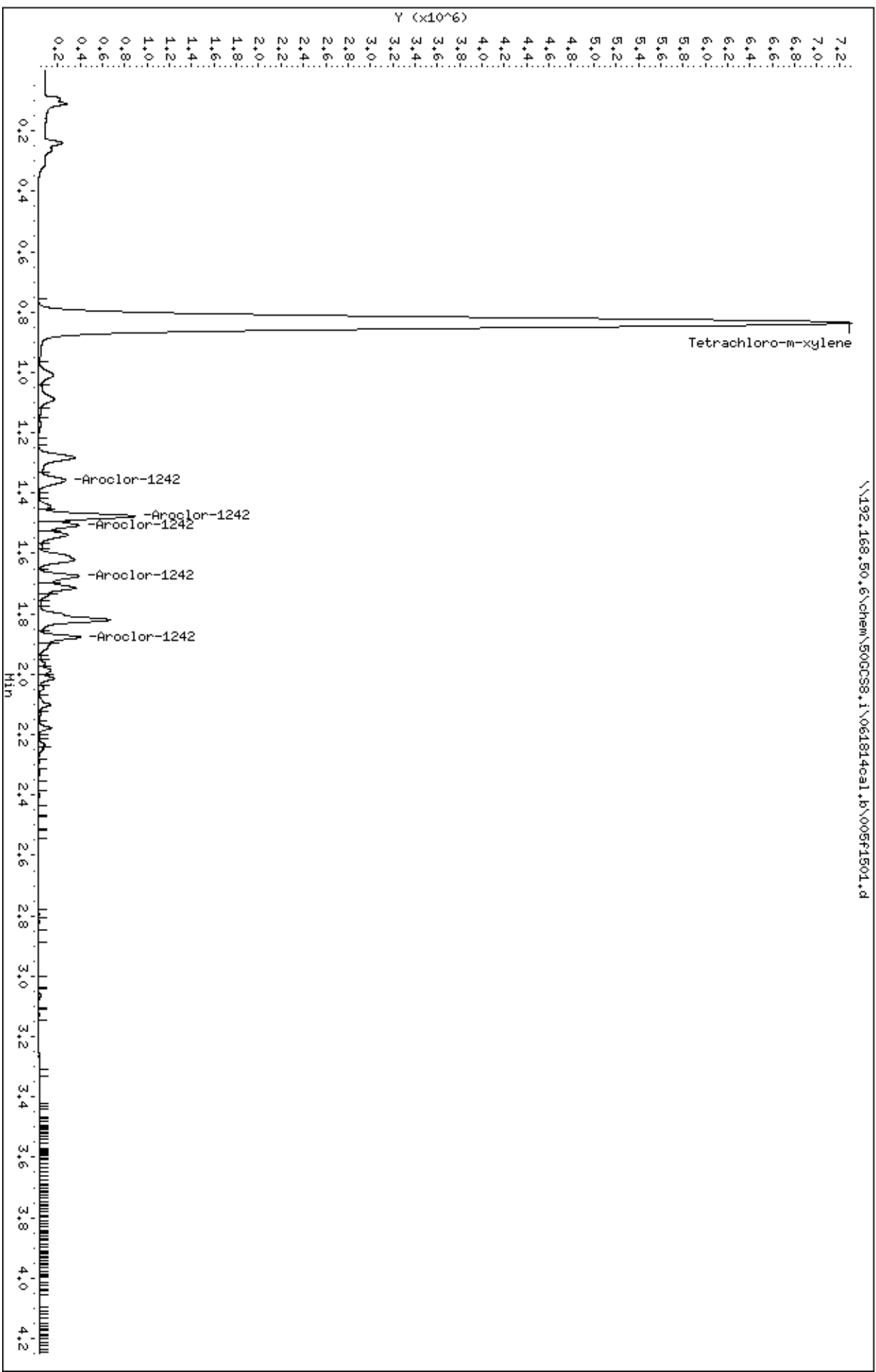
Pace Analytical Services, Inc.

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	CAL-AMT		ON-COL	TARGET RANGE		RATIO
			RESPONSE	(ug/mL)	(ug/mL)			
=====	=====	=====	=====	=====	=====	=====	=====	=====
\$ 1			Tetrachloro-m-xylene		CAS #: 877-09-8			
0.835	0.837	-0.002	18130131	0.50000	0.483			

47			Aroclor-1242		CAS #: 53469-21-9			
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			



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							
RT	EXP RT	DLT RT	RESPONSE	CAL-AMT (ug/mL)	ON-COL (ug/mL)	TARGET RANGE	RATIO		
=====	=====	=====	=====	=====	=====	=====	=====		=====
\$ 1							CAS #: 877-09-8		
0.743	0.754	-0.011	40161527	0.50000	0.479				(M)

46							CAS #: 11141-16-5		
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				

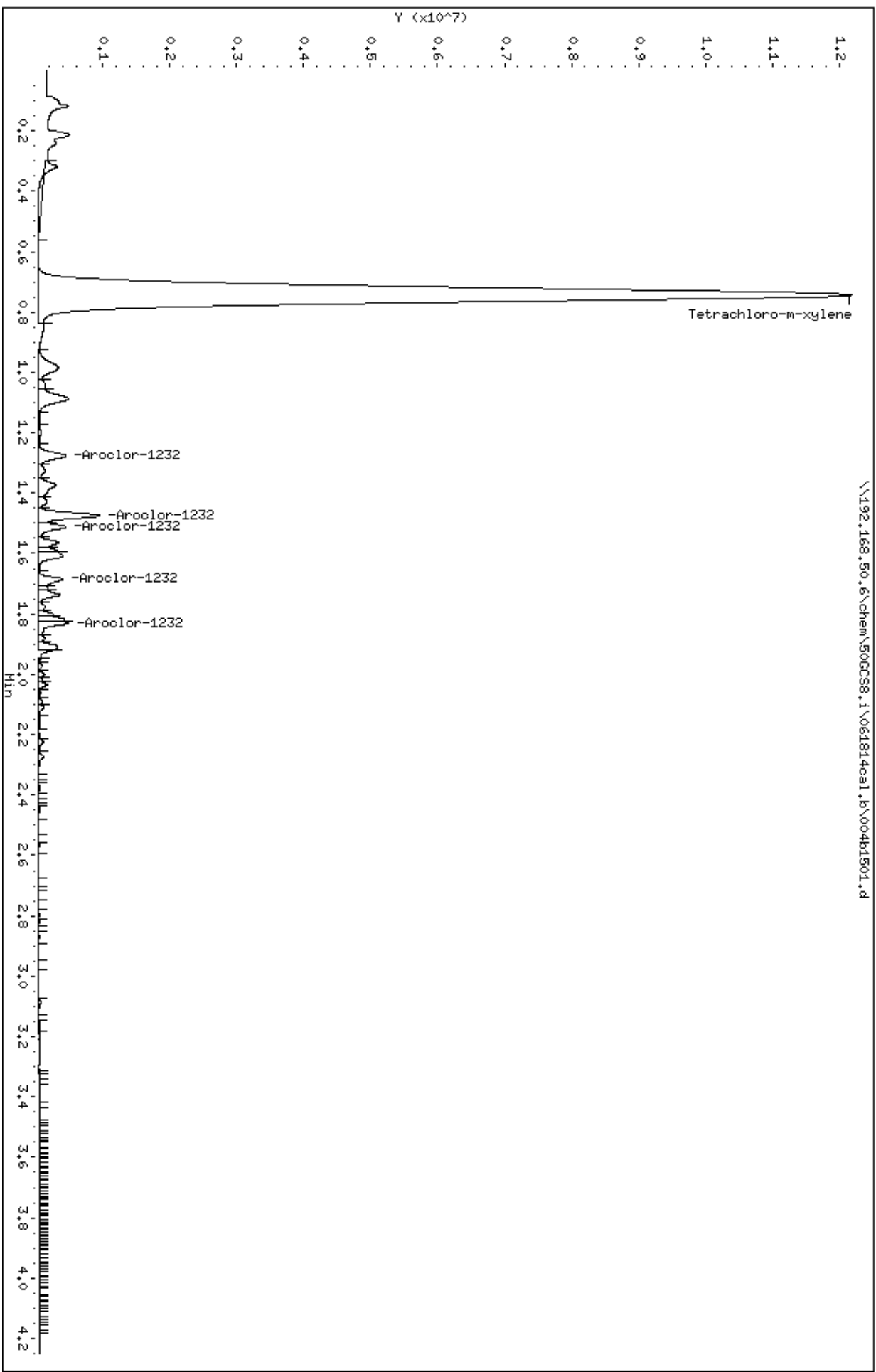
QC Flag Legend

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

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\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

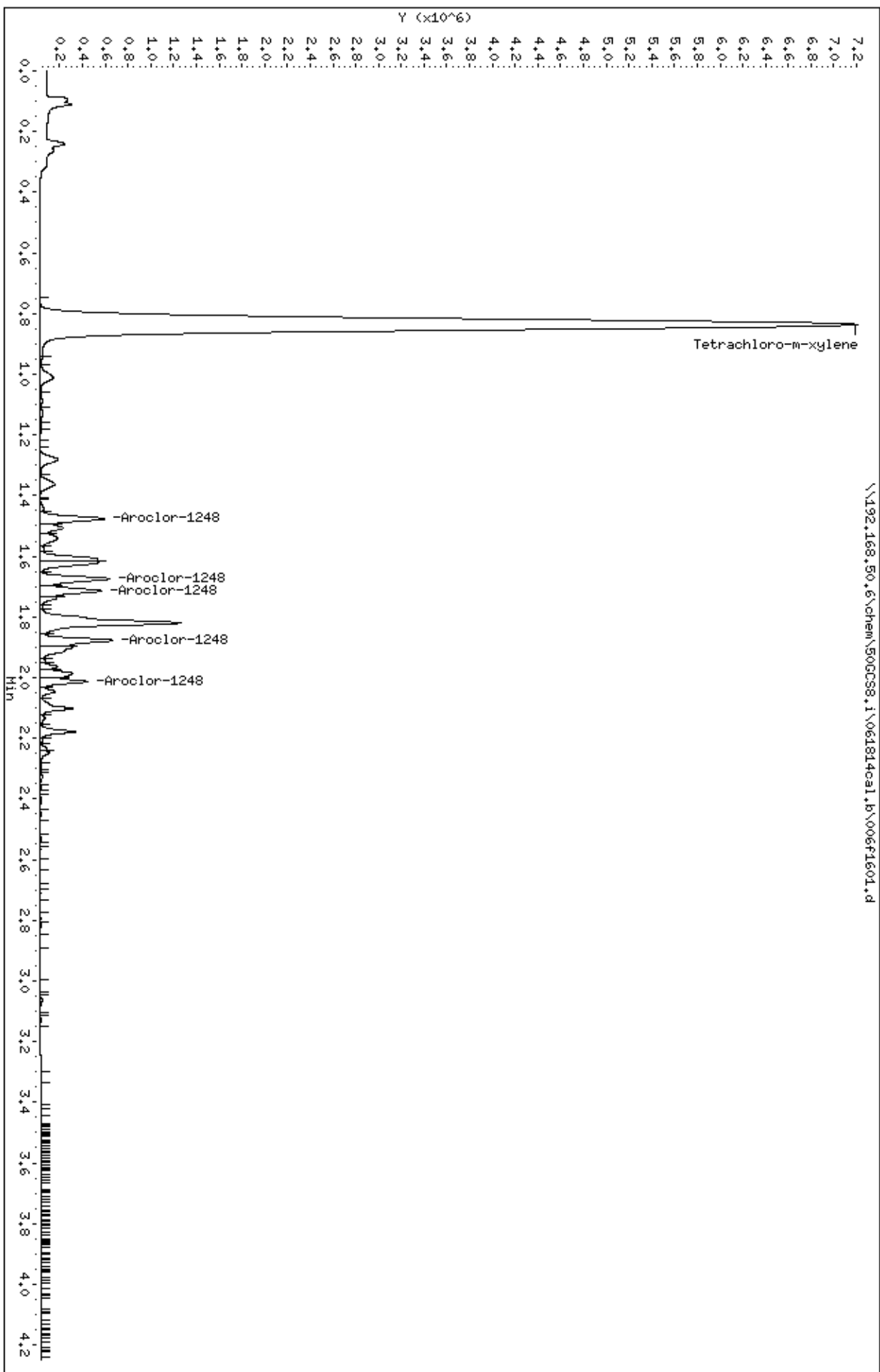
AMOUNTS									
			CAL-AMT		ON-COL				
RT	EXP RT	DLT RT	RESPONSE	(ug/mL)	(ug/mL)	TARGET	RANGE	RATIO	
====	=====	=====	=====	=====	=====	=====	=====	=====	=====
\$ 1									
0.836	0.837	-0.001	18163692	0.50000	0.483				

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					

Client ID:
Sample Info: 1248-CAL45.70975:1

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\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

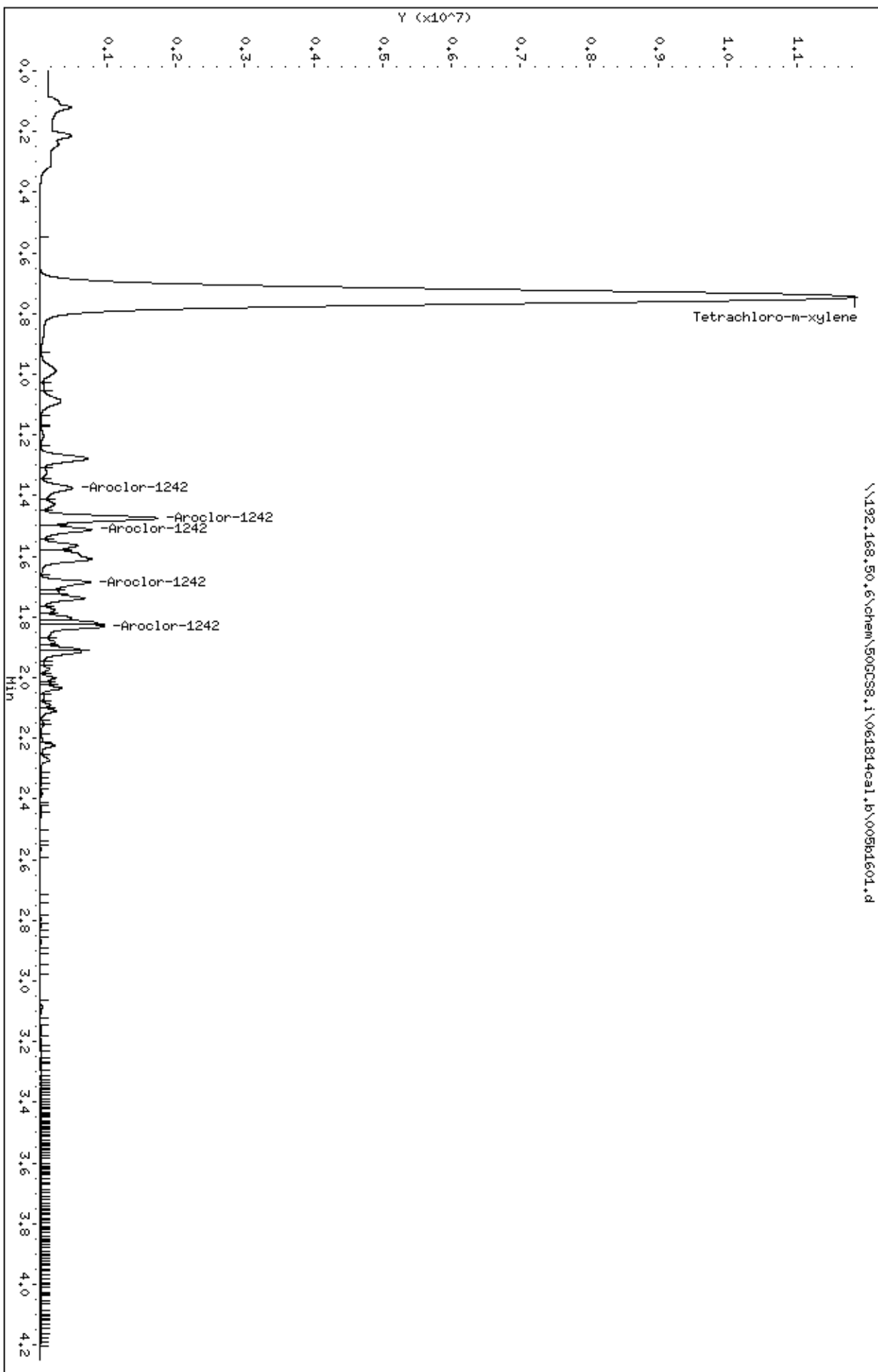
		AMOUNTS							
RT	EXP RT	DLT RT	RESPONSE	CAL-AMT (ug/mL)	ON-COL (ug/mL)	TARGET	RANGE	RATIO	
=====	=====	=====	=====	=====	=====	=====	=====	=====	=====
\$ 1									CAS #: 877-09-8
0.746	0.754	-0.008	40001800	0.50000	0.474				

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					

Data File: \\192.168.50.6\chem\50CCS8.1\061814ca1.b\005R1601.d
Date: 18-JUN-2014 16:33
Client ID:
Sample Info: 1242-DAL45.70974:1

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							
RT	EXP RT	DLT RT	RESPONSE	CAL-AMT (ug/mL)	ON-COL (ug/mL)	TARGET RANGE	RATIO		
=====	=====	=====	=====	=====	=====	=====	=====		=====
\$ 1							CAS #: 877-09-8		
0.832	0.837	-0.005	18277883	0.50000	0.486				

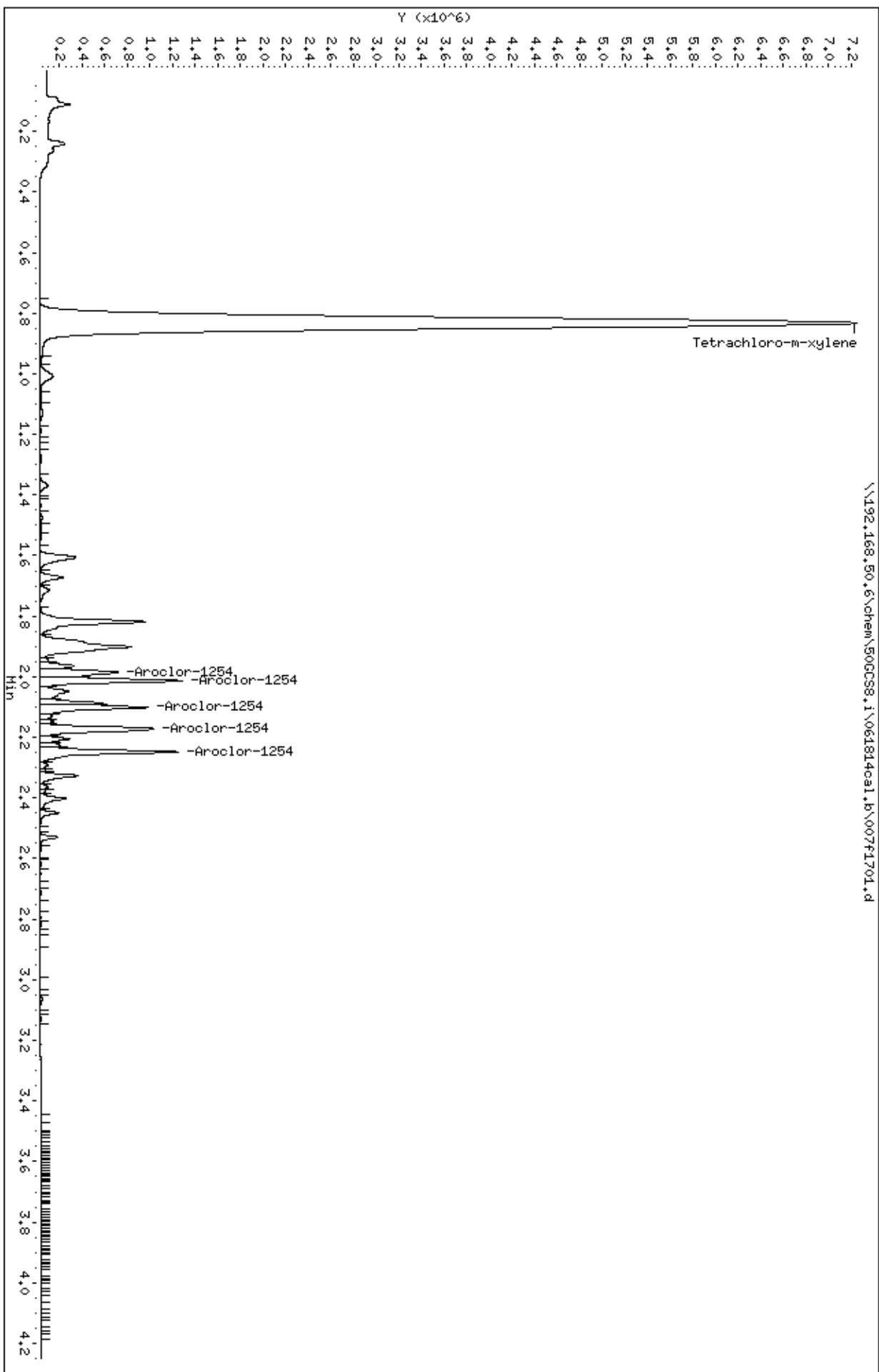
49							CAS #: 11097-69-1		
1.985	1.985	0.000	785266	0.50000	0.500	0.00-	0.00	100.00	
2.013	2.013	0.000	1236325	0.50000	0.500	0.00-	0.00	157.44	
2.101	2.101	0.000	931647	0.50000	0.500	0.00-	0.00	118.64	
2.170	2.170	0.000	1220288	0.50000	0.500	0.00-	0.00	155.40	
2.248	2.248	0.000	1268449	0.50000	0.500	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

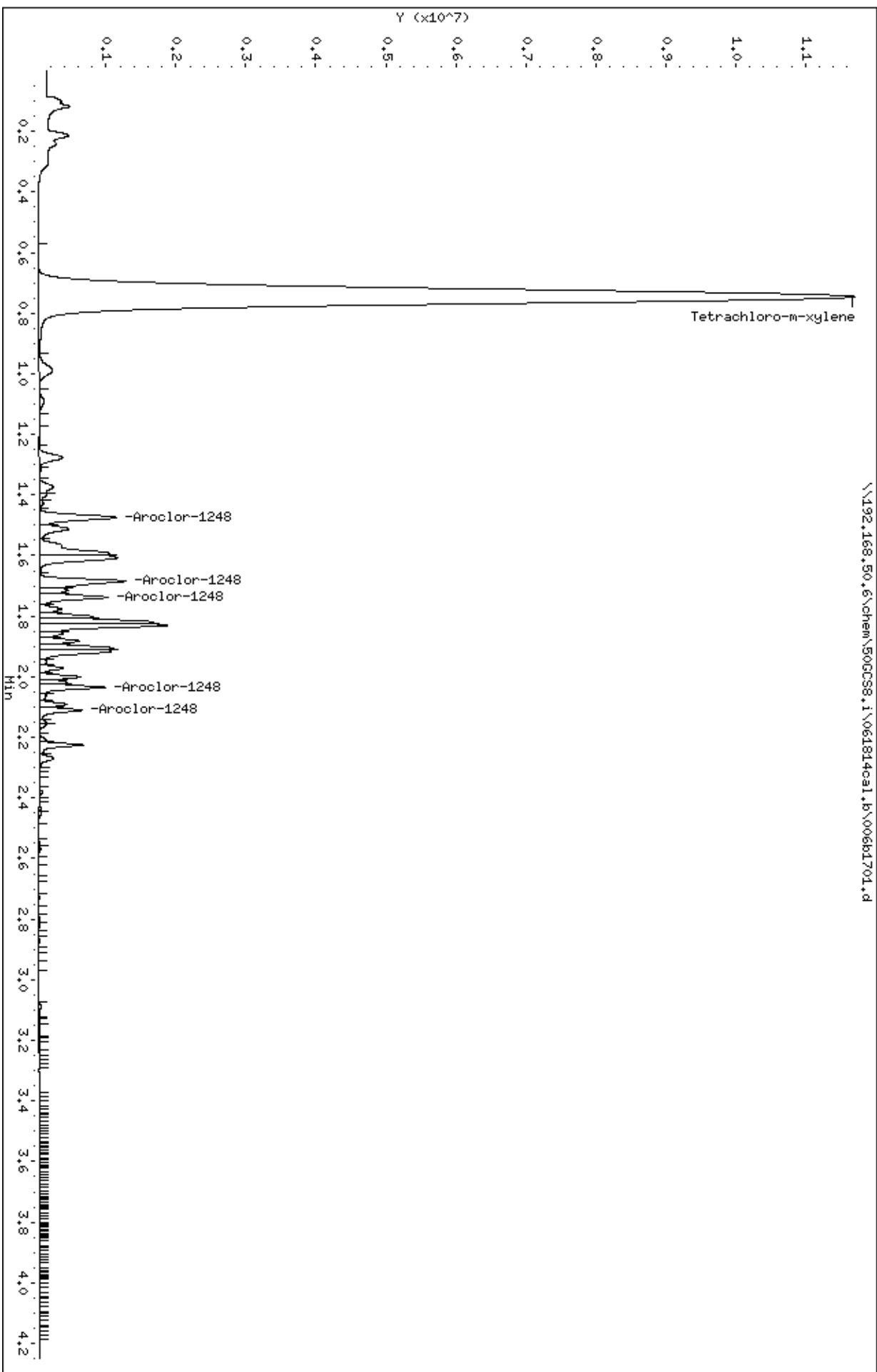
		AMOUNTS							
RT	EXP RT	DLT RT	RESPONSE	CAL-AMT (ug/mL)	ON-COL (ug/mL)	TARGET RANGE		RATIO	
====	=====	=====	=====	=====	=====	=====		=====	
\$ 1						CAS #: 877-09-8			
0.745	0.754	-0.009	39554750	0.50000	0.469				

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					

Data File: \\192.168.50.6\chem\50CCS8.1\061814ca1.b\006b1701.d
Date: 18-JUN-2014 16:39
Client ID:
Sample Info: 1248-CAL45.70975:1

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\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							
RT	EXP RT	DLT RT	RESPONSE	CAL-AMT (ug/mL)	ON-COL (ug/mL)	TARGET RANGE		RATIO	
=====	=====	=====	=====	=====	=====	=====	=====	=====	=====
\$ 1						CAS #: 877-09-8			
0.747	0.754	-0.007	40039411	0.50000	0.478				

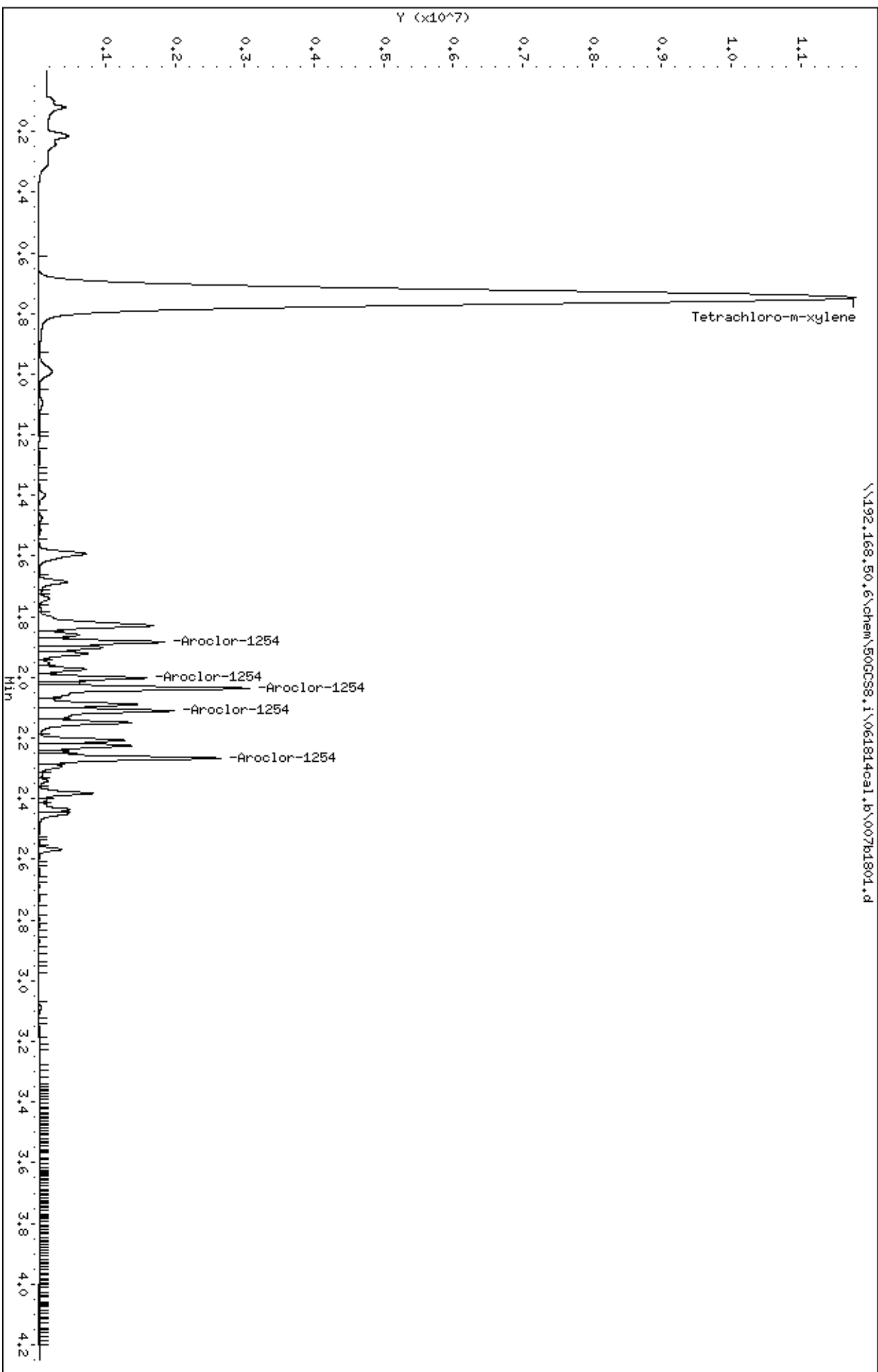
49						CAS #: 11097-69-1			
1.883	1.883	0.000	1655826	0.50000	0.500	0.00-	0.00	100.00	
2.001	2.001	0.000	1367984	0.50000	0.500	0.00-	0.00	82.62	
2.036	2.036	0.000	3221048	0.50000	0.500	0.00-	0.00	194.53	
2.109	2.109	0.000	2056636	0.50000	0.500	0.00-	0.00	124.21	
2.266	2.266	0.000	2522649	0.50000	0.500	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			

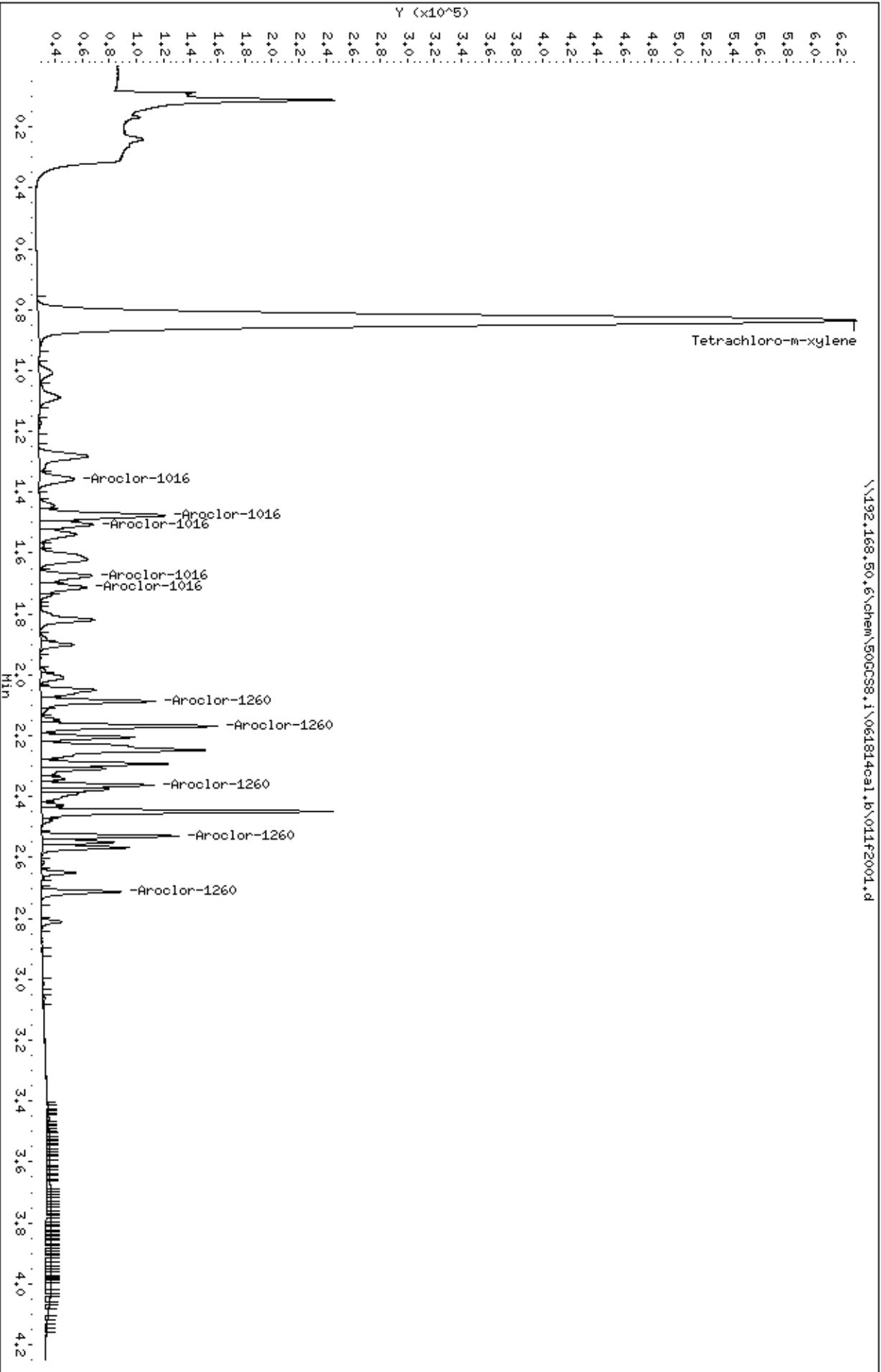
Client ID:

Instrument: 500CS8.1

Sample Info: CAL1A.70979;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\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			

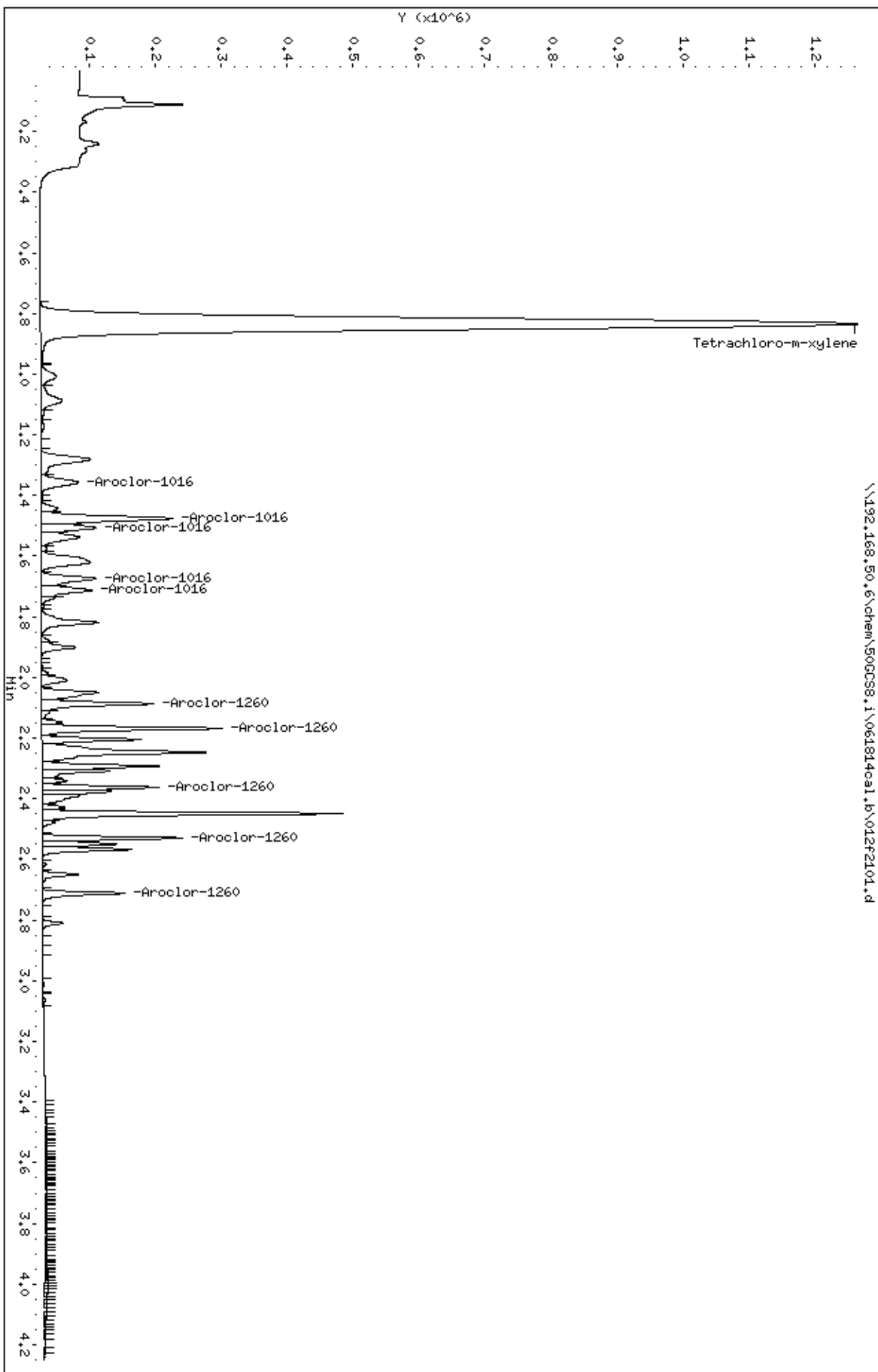
Data File: \\192.168.50.6\chem\500CS8.1\061814ca1.b\012f2101.d
Date: 18-JUN-2014 17:02
Client ID:
Sample Info: CAL2A,70980;1

Instrument: 500CS8.1

Column phase:

Operator: DMT
Column diameter: 0.00

\\192.168.50.6\chem\500CS8.1\061814ca1.b\012f2101.d



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	
====	=====	=====	=====	=====	=====	=====	=====	

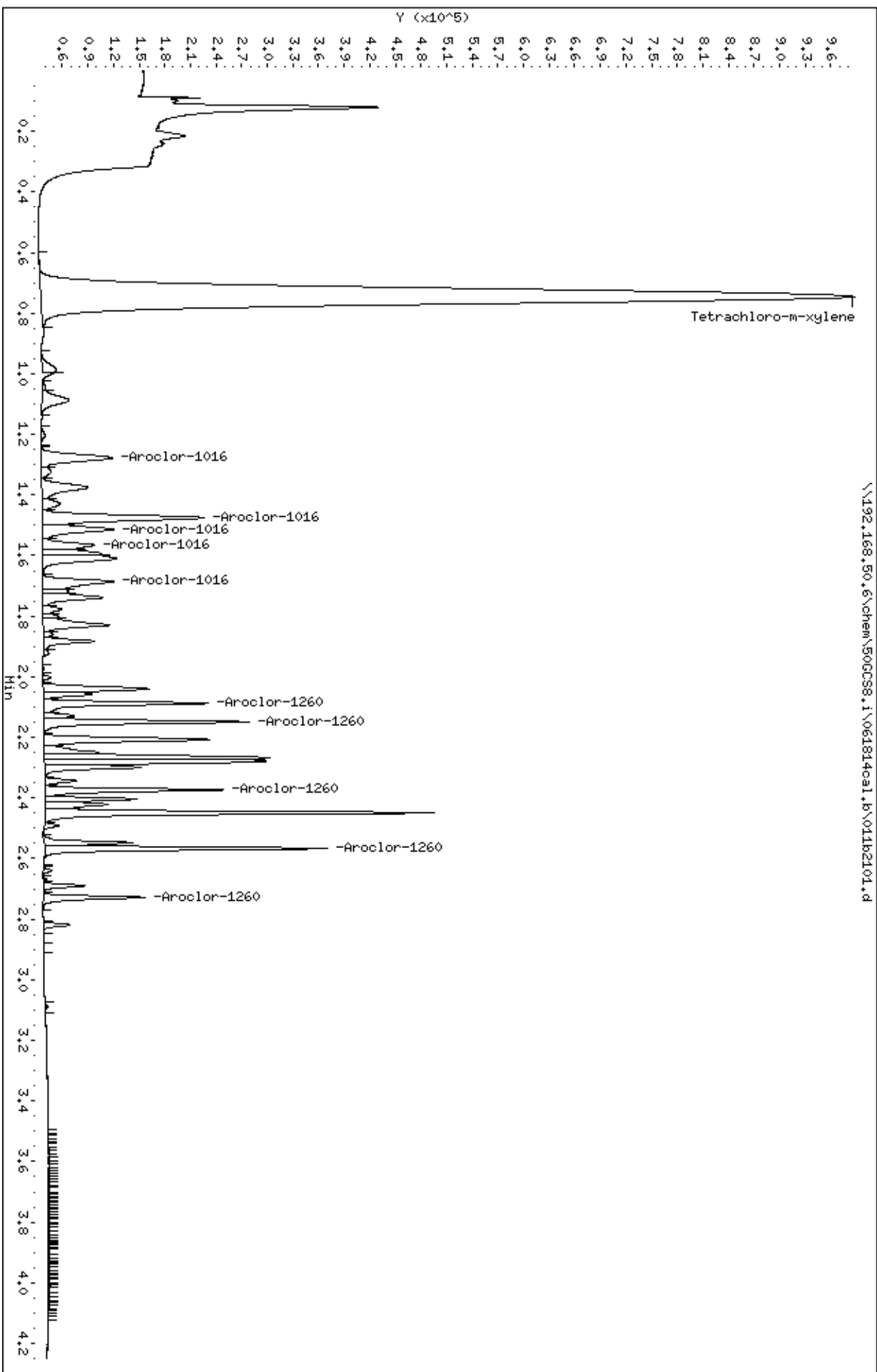
\$ 1	Tetrachloro-m-xylene				CAS #: 877-09-8			
0.745	0.754	-0.009	3229853	0.05000	0.044			

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				

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\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	
====	=====	=====	=====	=====	=====	=====	=====	

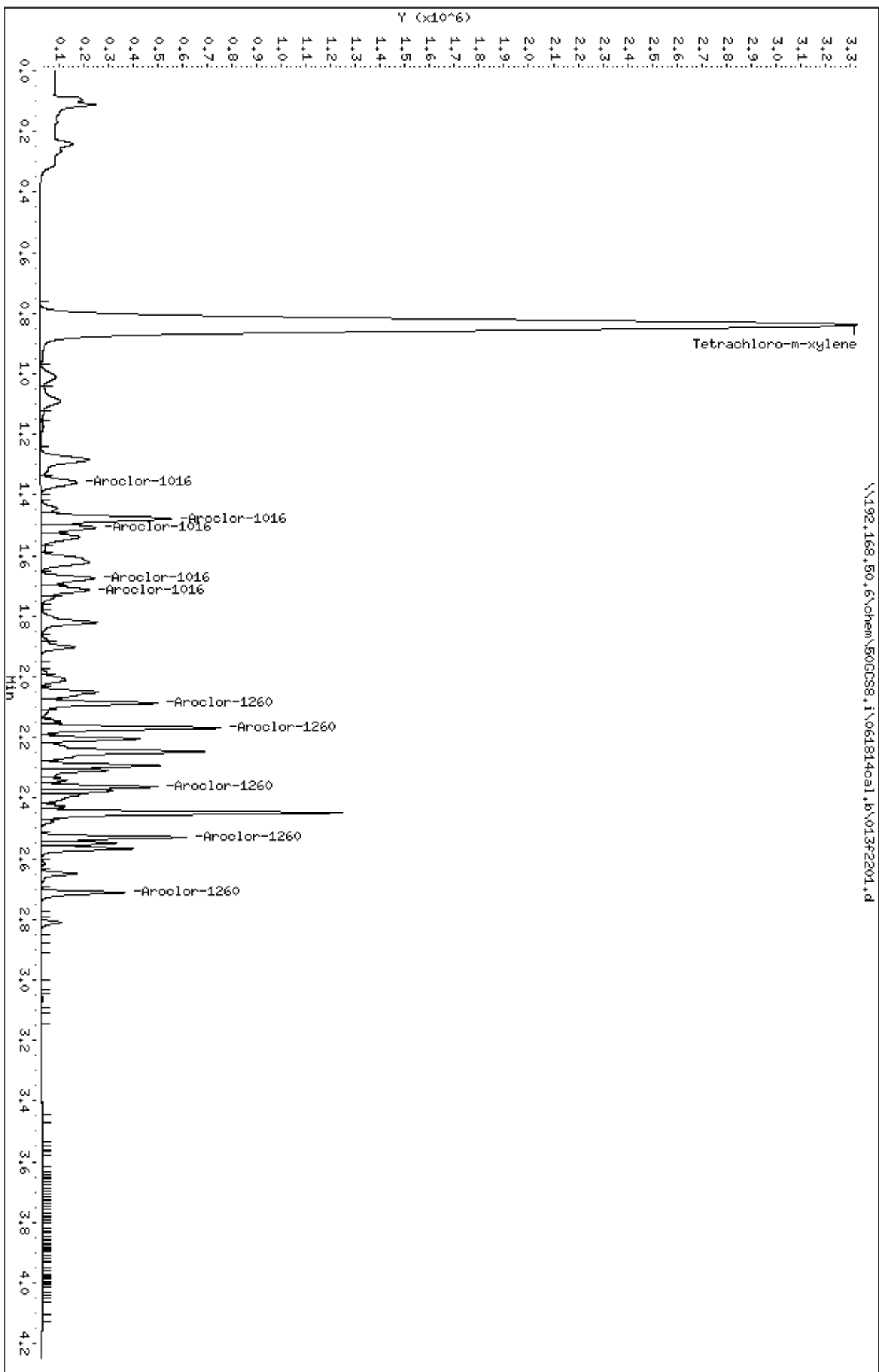
\$ 1	Tetrachloro-m-xylene				CAS #: 877-09-8			
0.839	0.837	0.002	8405869	0.25000	0.255			

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	
====	=====	=====	=====	=====	=====	=====	=====	

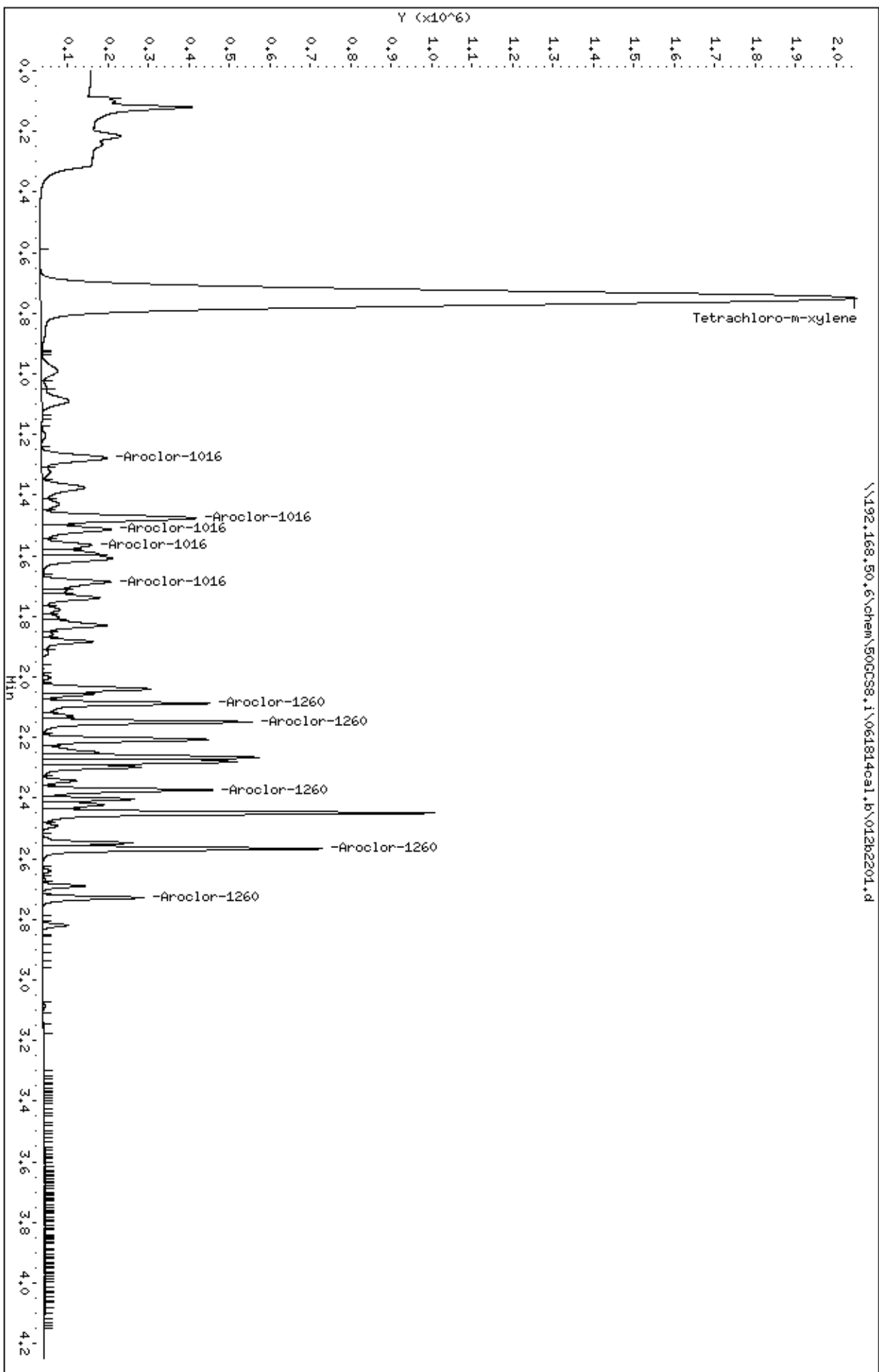
\$ 1	Tetrachloro-m-xylene			CAS #: 877-09-8				
0.750	0.754	-0.004	6843276	0.10000	0.093			

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			

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\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			

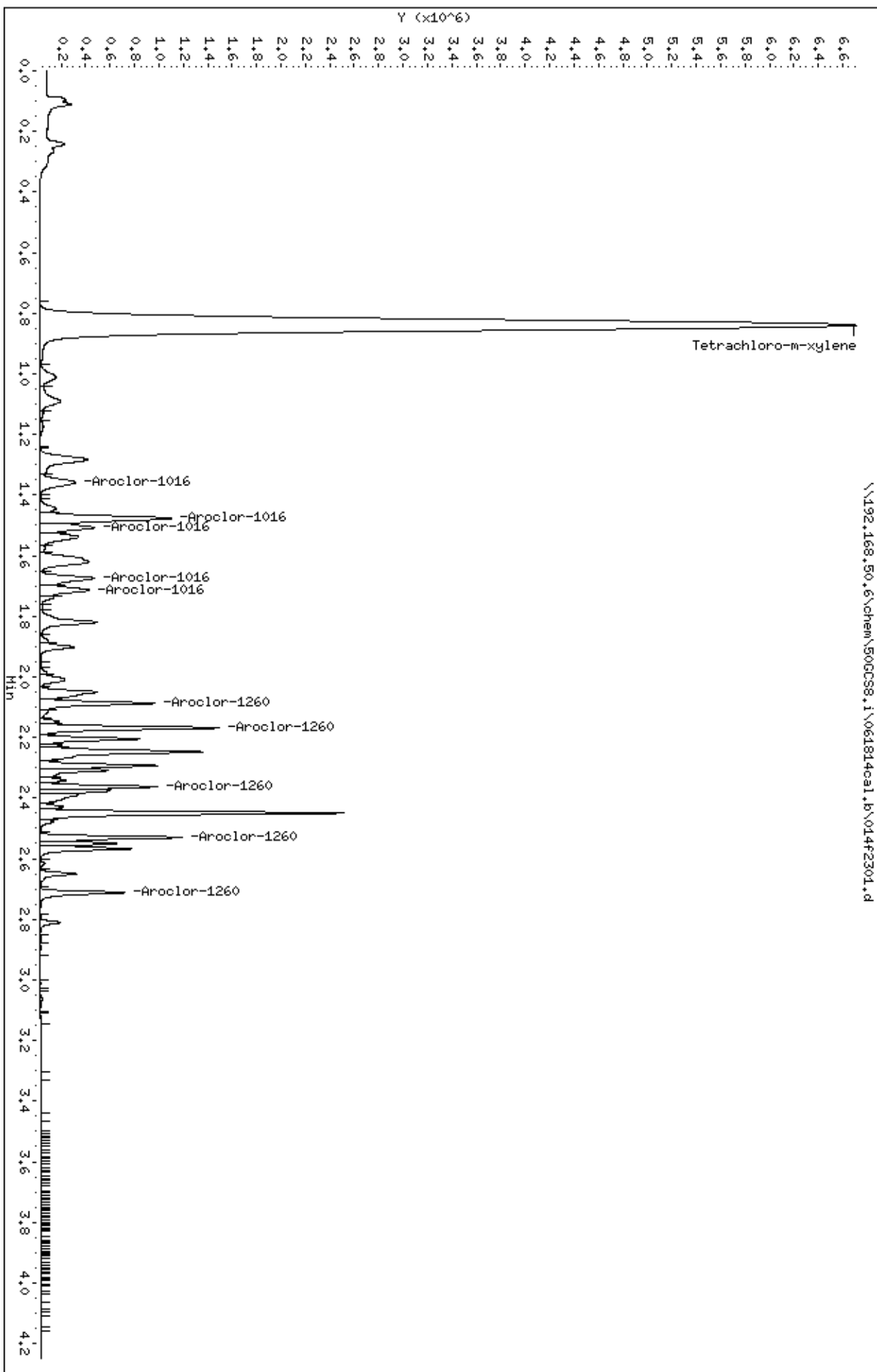
23 Aroclor-1016				CAS #: 12674-11-2				
1.358	1.357	0.001	497602	0.50000	0.531	0.00-	0.00	100.00
1.477	1.477	0.000	1342926	0.50000	0.519	0.00-	0.00	269.88
1.507	1.507	0.000	541406	0.50000	0.525	0.00-	0.00	108.80
1.674	1.674	0.000	605216	0.50000	0.526	0.00-	0.00	121.63
1.713	1.714	-0.001	535603	0.50000	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

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\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			

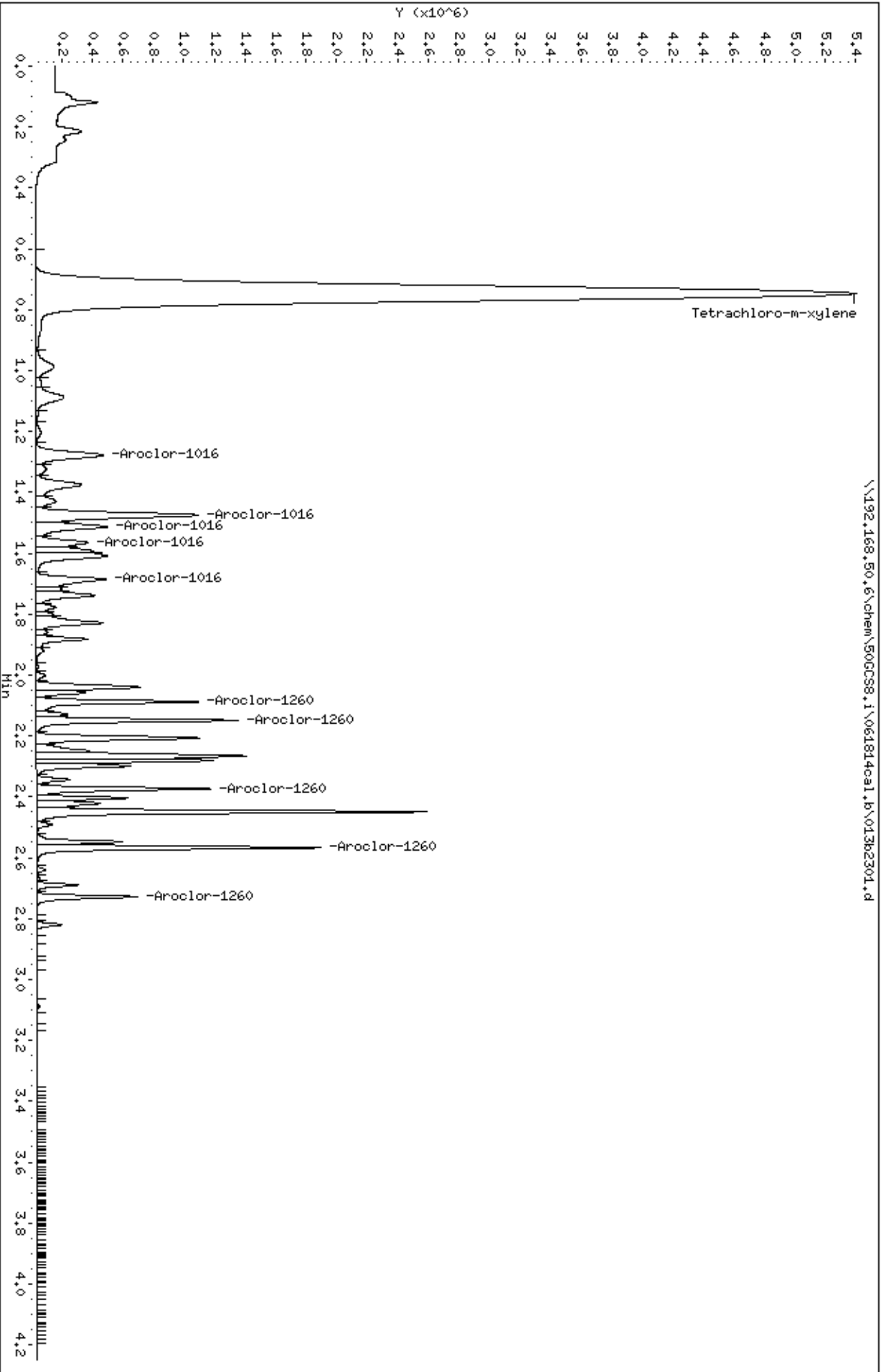
29		Aroclor-1260				CAS #: 11096-82-5		
2.088	2.088	0.000	945854	0.25000	0.255	0.00-	0.00	100.00
2.149	2.149	0.000	1133540	0.25000	0.254	0.00-	0.00	119.84
2.373	2.373	0.000	922158	0.25000	0.253	0.00-	0.00	97.49
2.567	2.568	-0.001	1495073	0.25000	0.249	0.00-	0.00	158.07
2.728	2.729	-0.001	534146	0.25000	0.252	0.00-	0.00	56.47
Average of Peak Amounts =					0.25260			

Client ID:
Sample Info: CAL3A,70981:1

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\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				

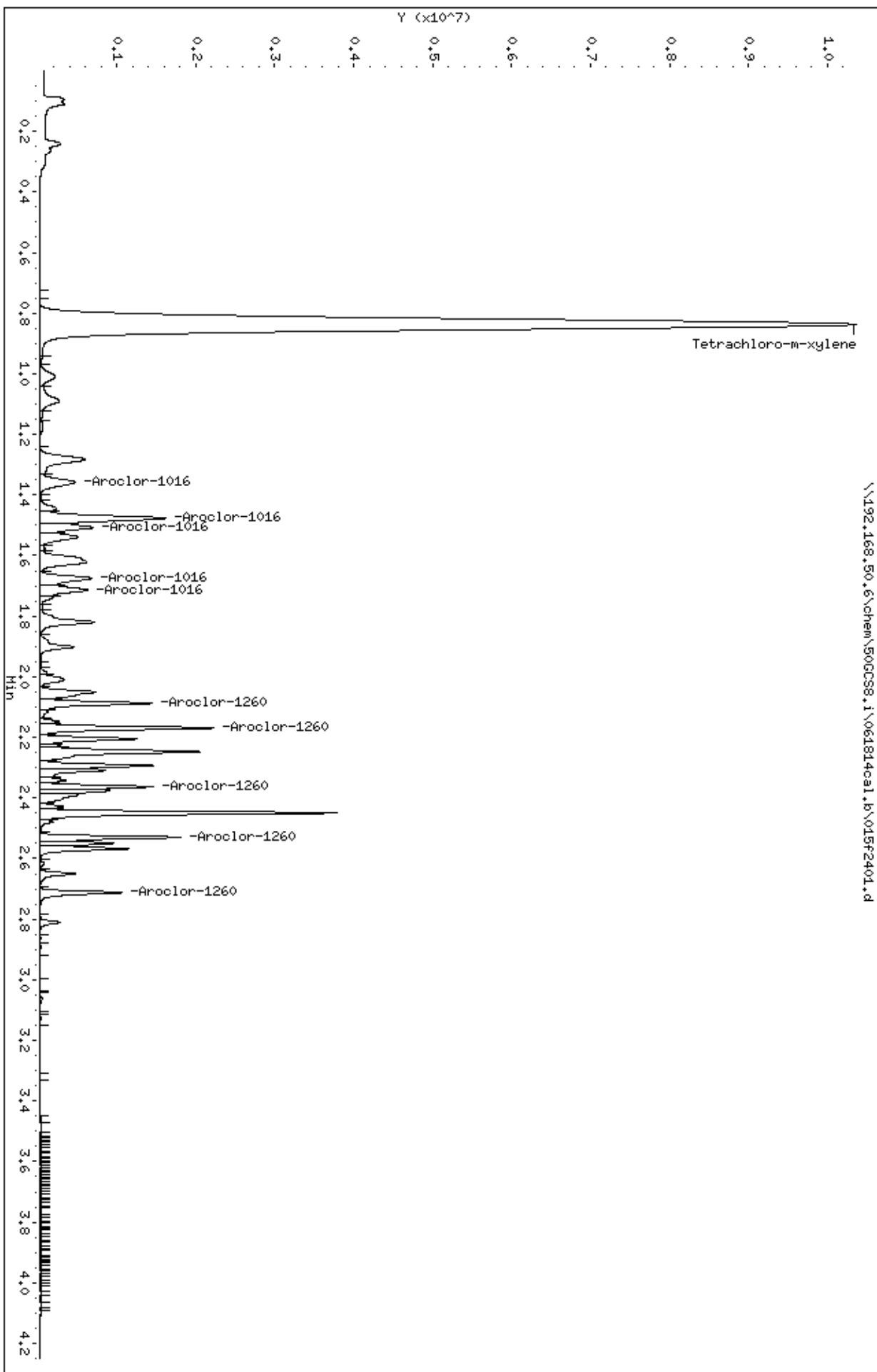
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Date: 18-JUN-2014 17:19
Client ID:
Sample Info: CAL5A,70983;1

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\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				

Data File: \\192.168.50.6\chem\500CS8.1\061814ca1.b\014b2401.d
Date: 18-JUN-2014 17:19

Client ID:

Sample Info: CAL4A,70982:1

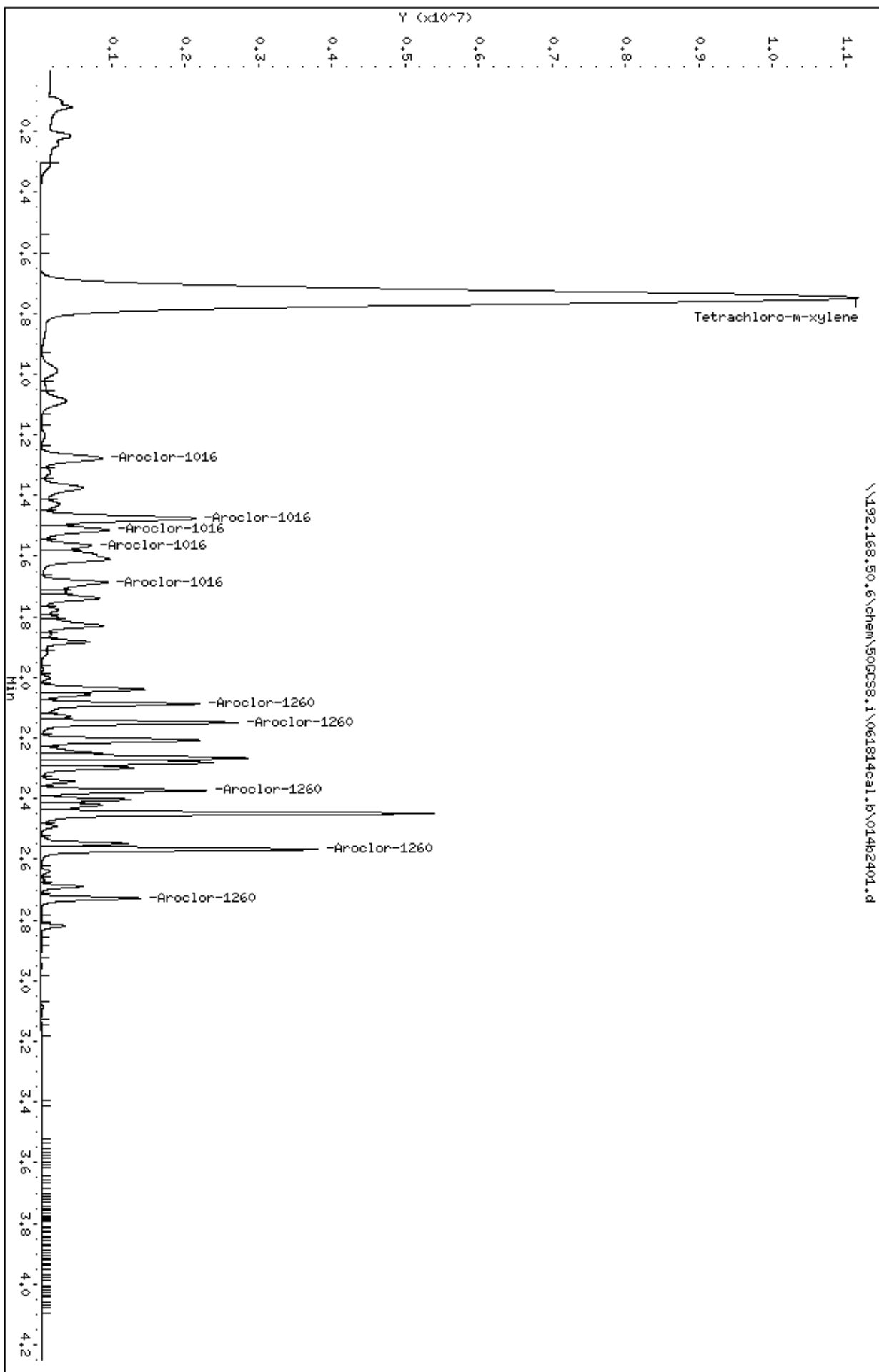
Instrument: 500CS8.1

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\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	RESPONSE	CAL-AMT (ug/mL)	ON-COL (ug/mL)	TARGET RANGE	RATIO	
====	=====	=====	=====	=====	=====	=====	=====	

\$ 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

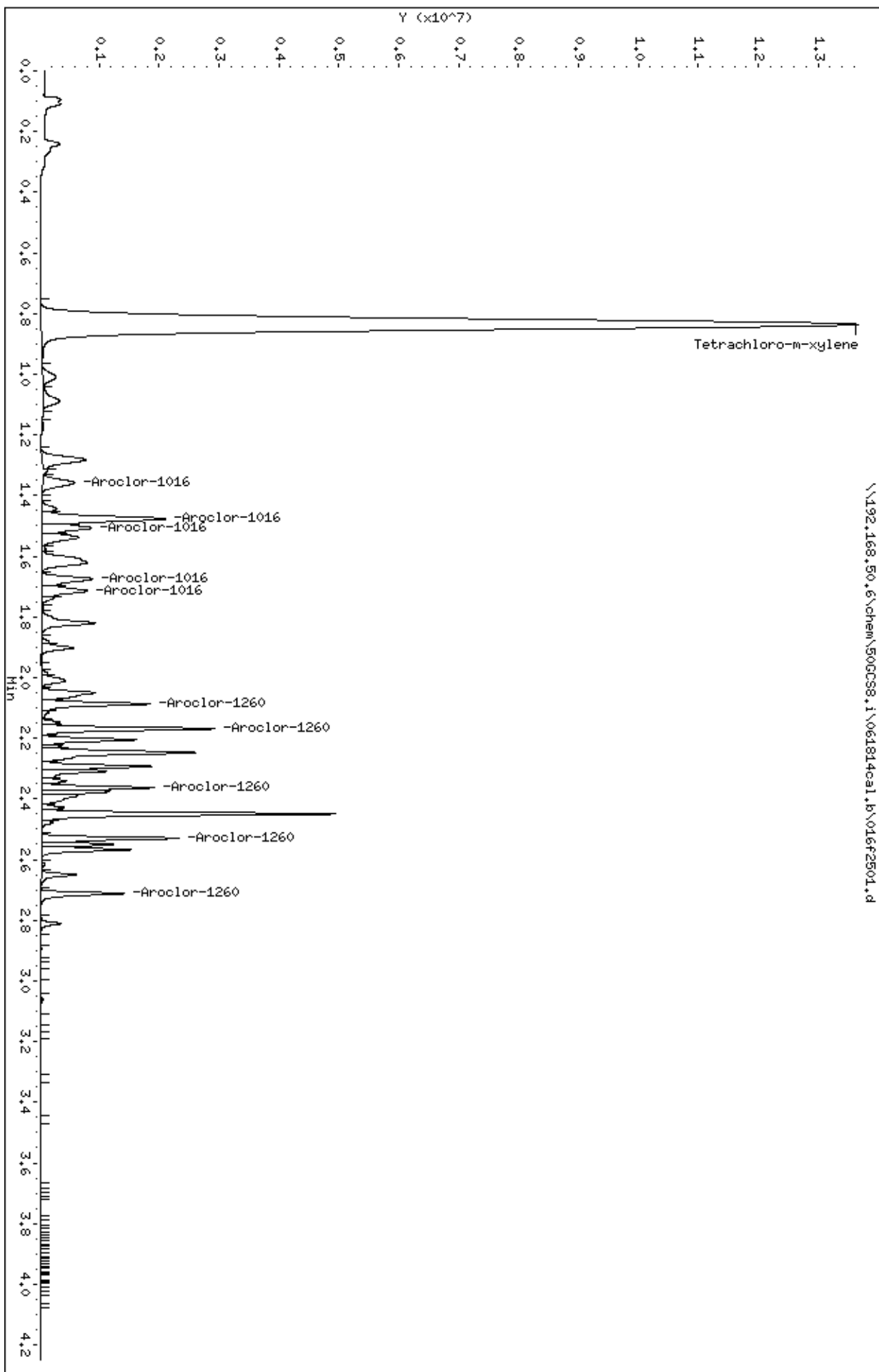
Column phase:

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

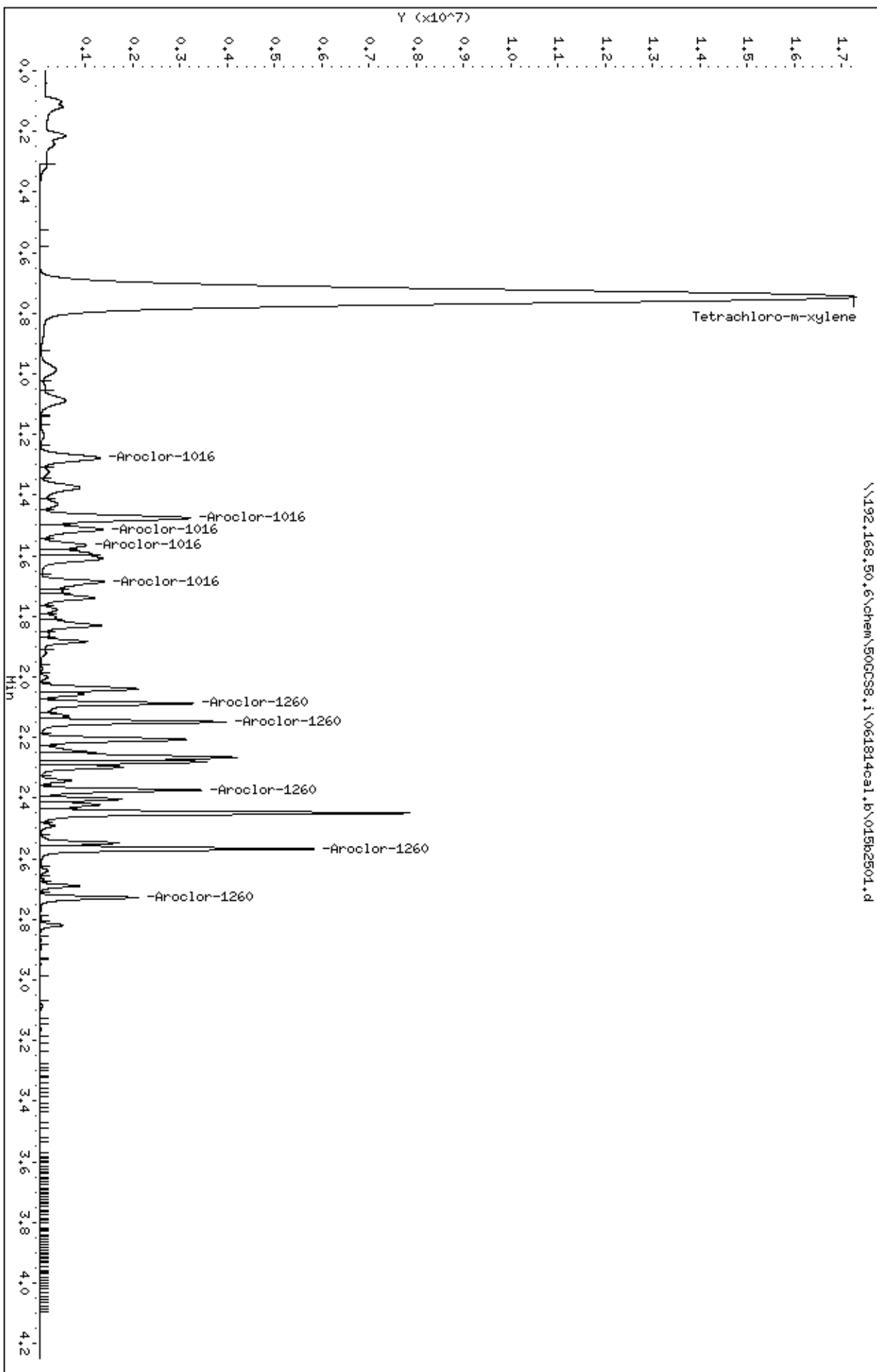
\$ 1	Tetrachloro-m-xylene				CAS #: 877-09-8		
0.747	0.754	-0.007	58296708	0.75000	0.798		

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				

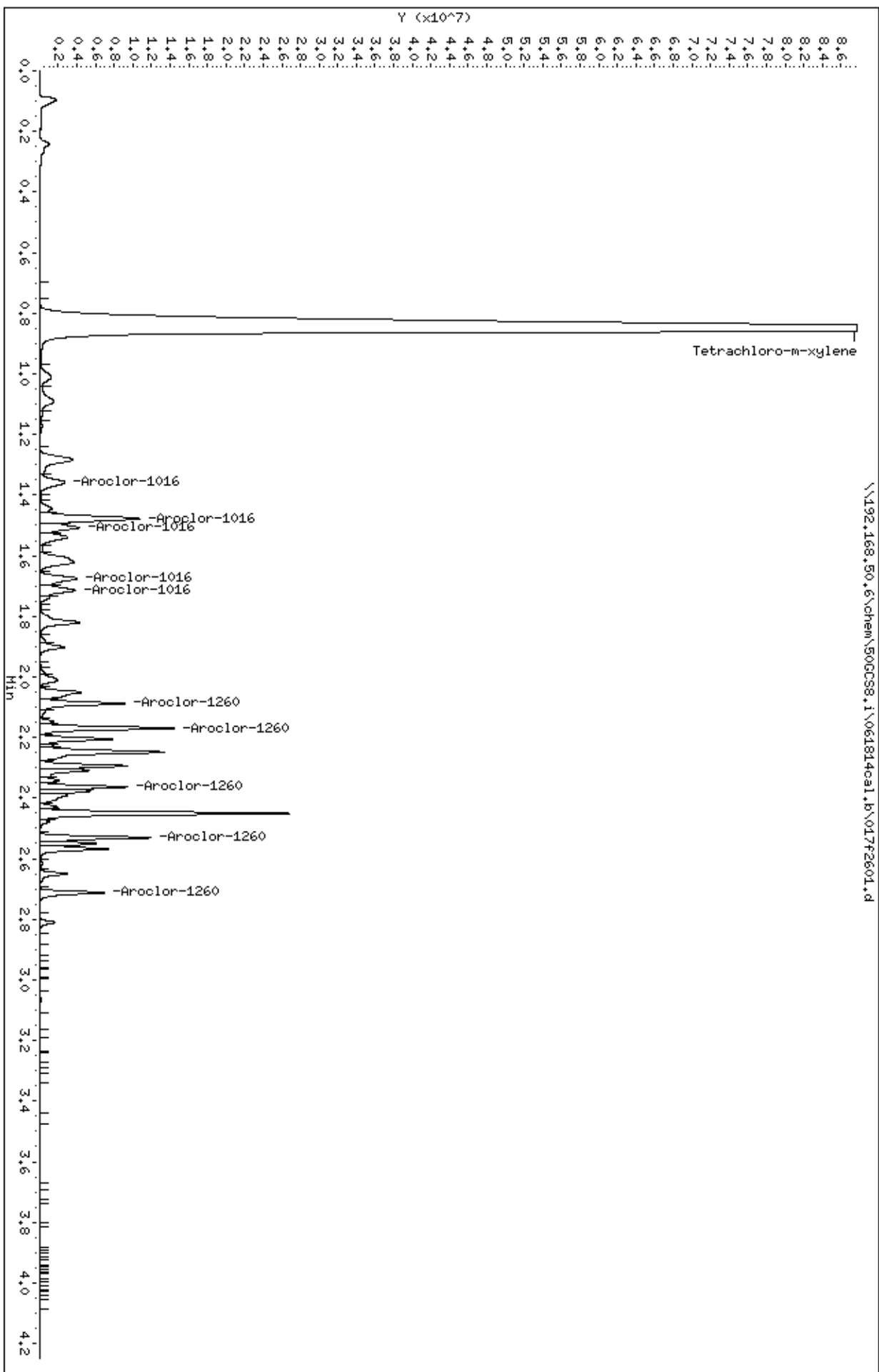
23 Aroclor-1016 CAS #: 12674-11-2									
1.358	1.357	0.001	4573374	5.00000	4.886	0.00-	0.00	100.00	
1.478	1.477	0.001	13098622	5.00000	5.067	0.00-	0.00	286.41	
1.508	1.507	0.001	4994514	5.00000	4.852	0.00-	0.00	109.21	
1.675	1.674	0.001	5600199	5.00000	4.873	0.00-	0.00	122.45	
1.714	1.714	0.000	4983043	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				

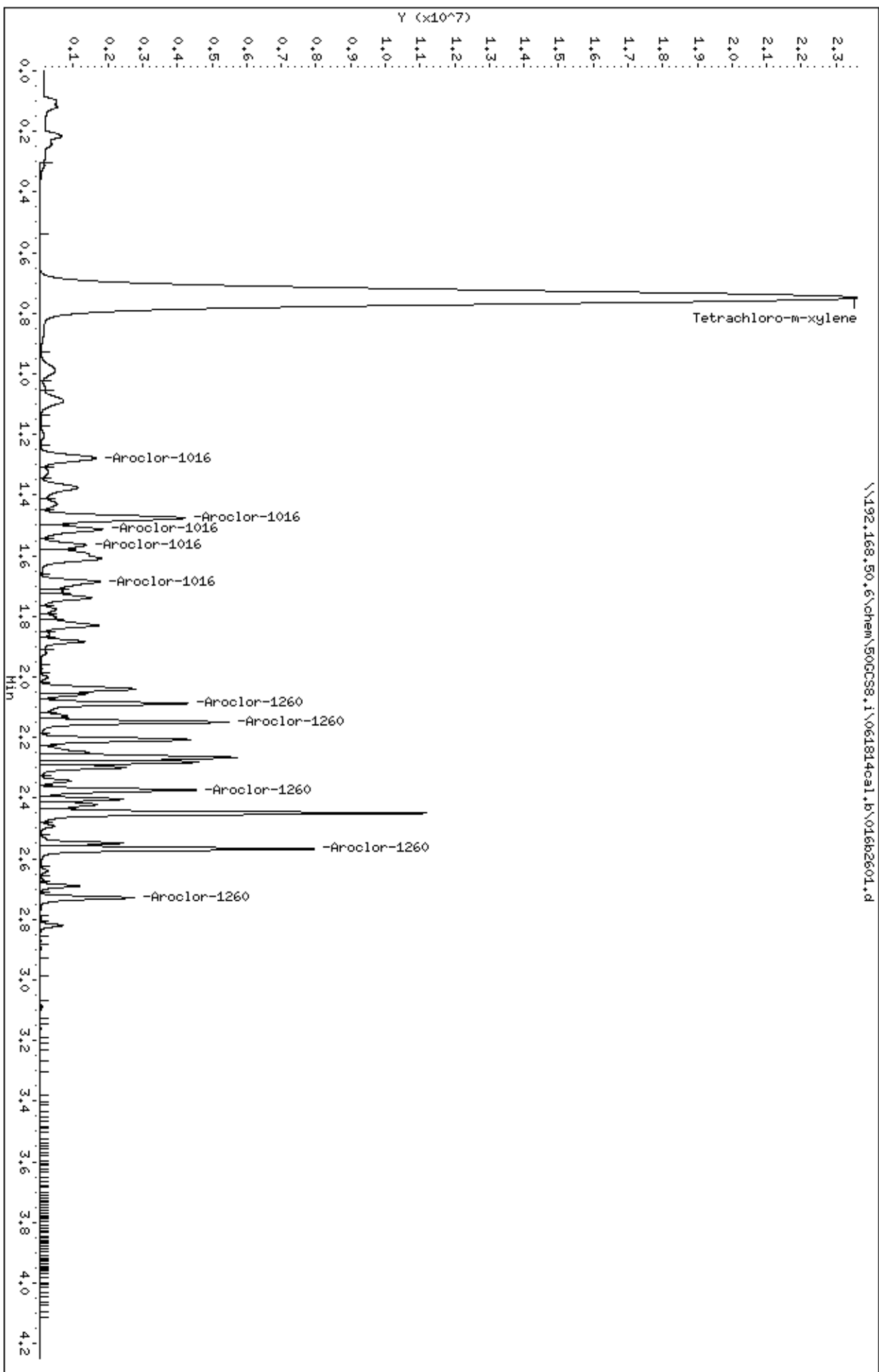
29 Aroclor-1260			CAS #: 11096-82-5					
2.088	2.088	0.000	3793043	1.00000	1.024	0.00-	0.00	100.00
2.149	2.149	0.000	4549372	1.00000	1.022	0.00-	0.00	119.94
2.373	2.373	0.000	3726888	1.00000	1.025	0.00-	0.00	98.26
2.568	2.568	0.000	6245904	1.00000	1.040	0.00-	0.00	164.67
2.729	2.729	0.000	2197199	1.00000	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			

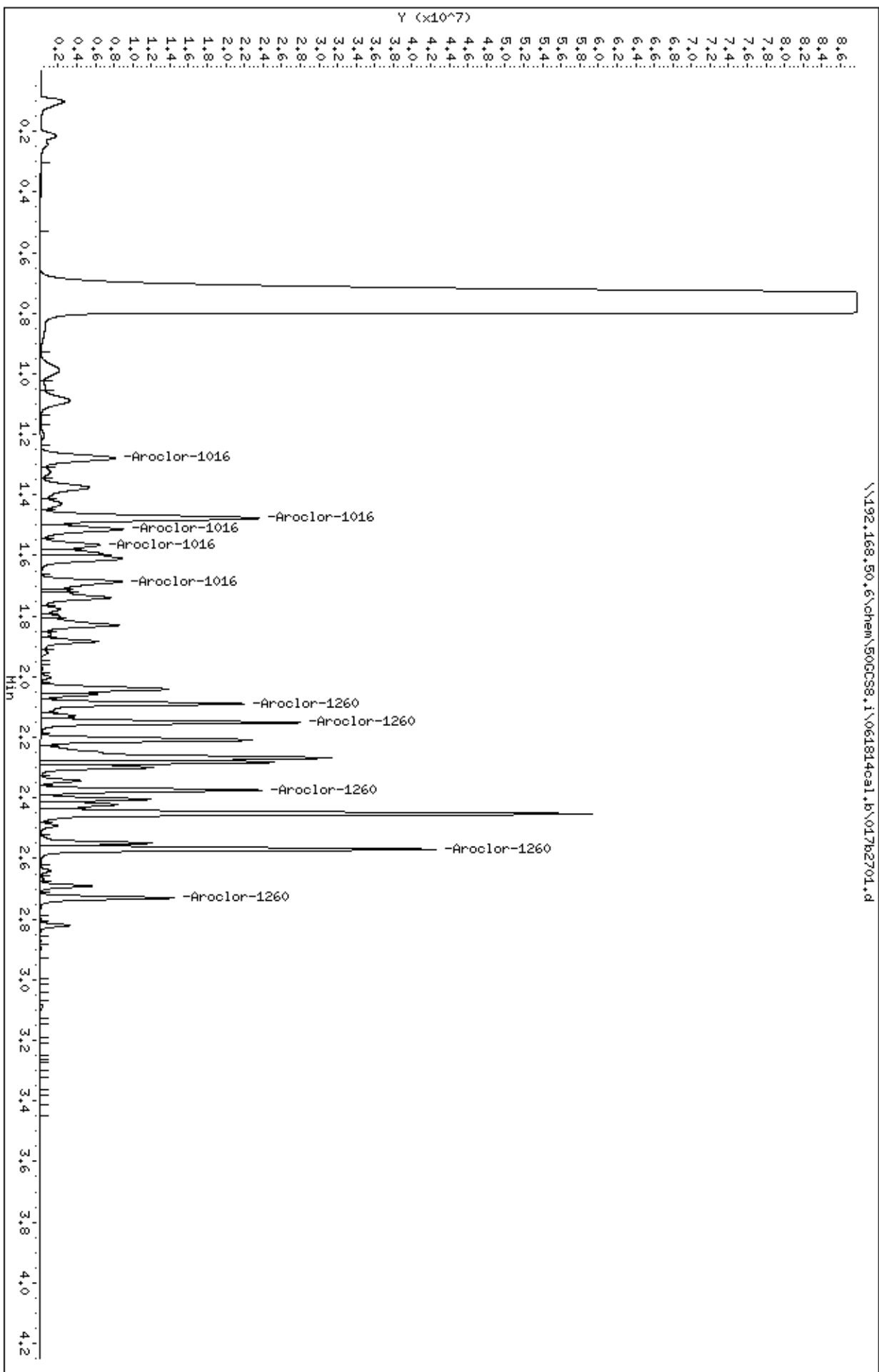
29 Aroclor-1260 CAS #: 11096-82-5							
2.089	2.088	0.001	18937863	5.00000	5.116	0.00- 0.00	100.00
2.151	2.149	0.002	22725034	5.00000	5.109	0.00- 0.00	120.00
2.374	2.373	0.001	18883857	5.00000	5.193	0.00- 0.00	99.71
2.569	2.568	0.001	33573035	5.00000	5.593	0.00- 0.00	177.28
2.730	2.729	0.001	11146231	5.00000	5.269	0.00- 0.00	58.86
Average of Peak Amounts =				5.25600			

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	
====	=====	=====	=====	=====	=====	=====	=====	

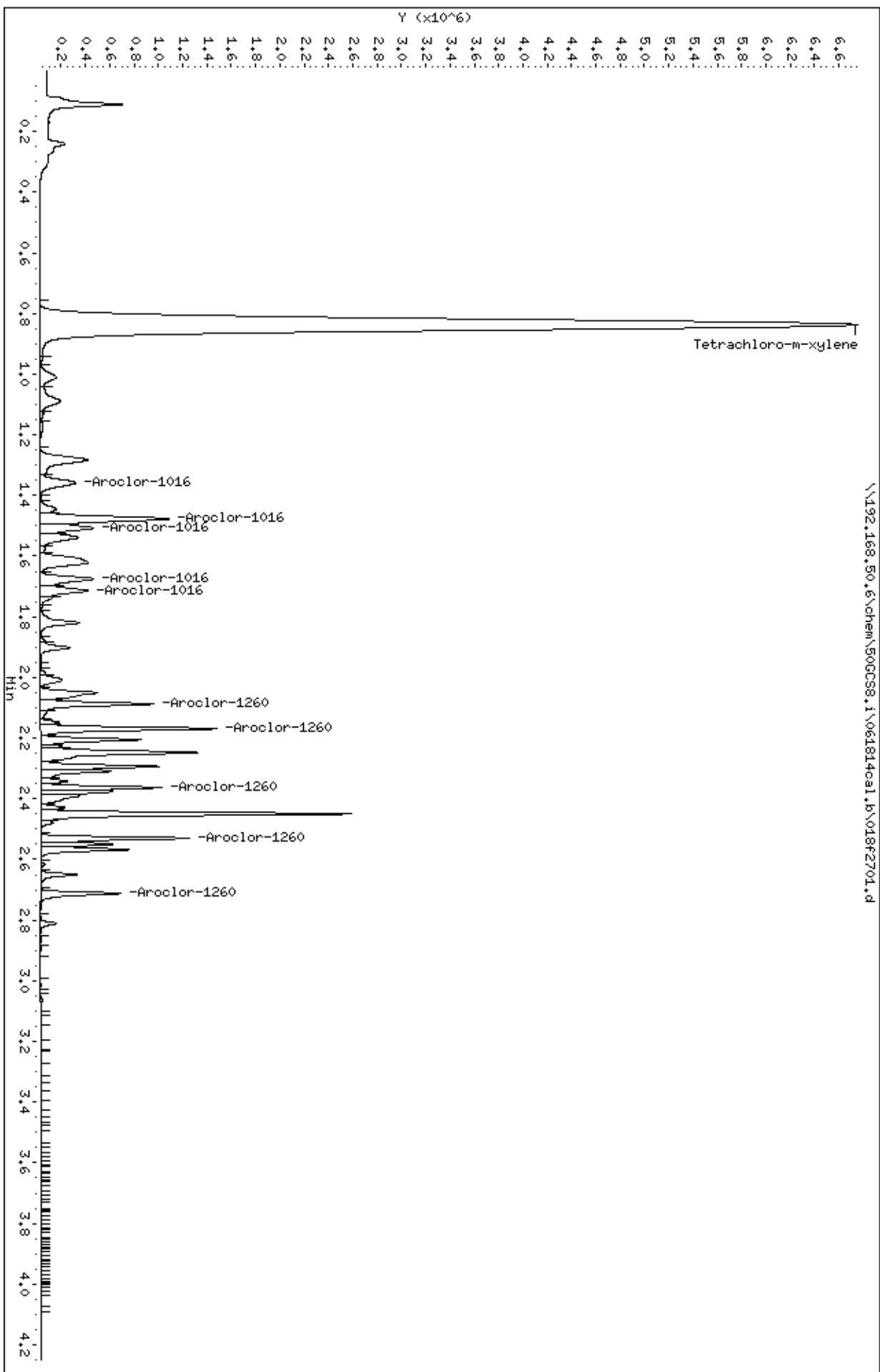
\$ 1	Tetrachloro-m-xylene				CAS #: 877-09-8			
0.837	0.837	0.000	17138840	0.50000	0.520			

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			

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\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	
====	=====	=====	=====	=====	=====	=====	=====	

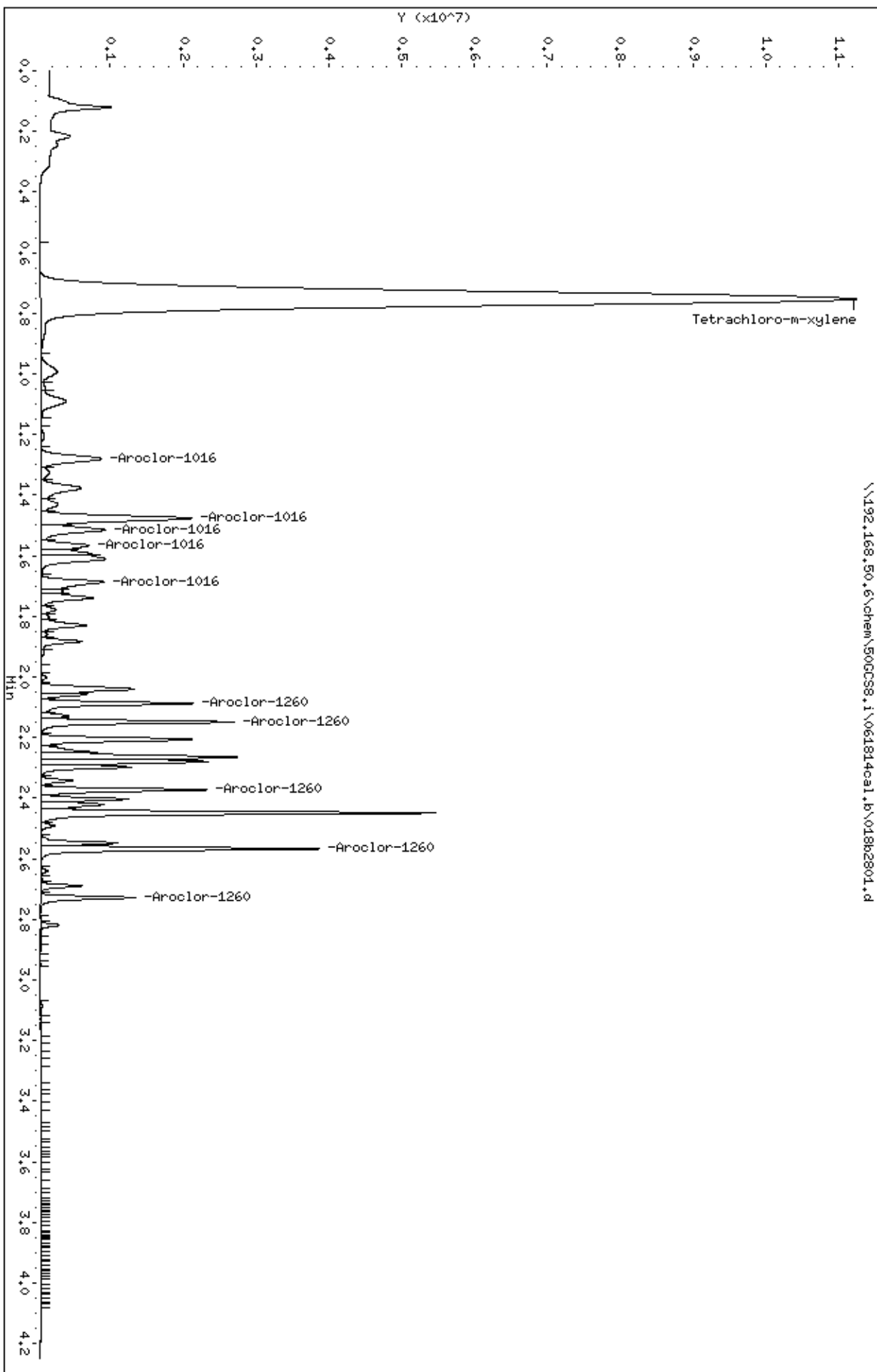
\$ 1	Tetrachloro-m-xylene			CAS #: 877-09-8				
0.754	0.754	0.000	38002342	0.50000	0.520			

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			

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			

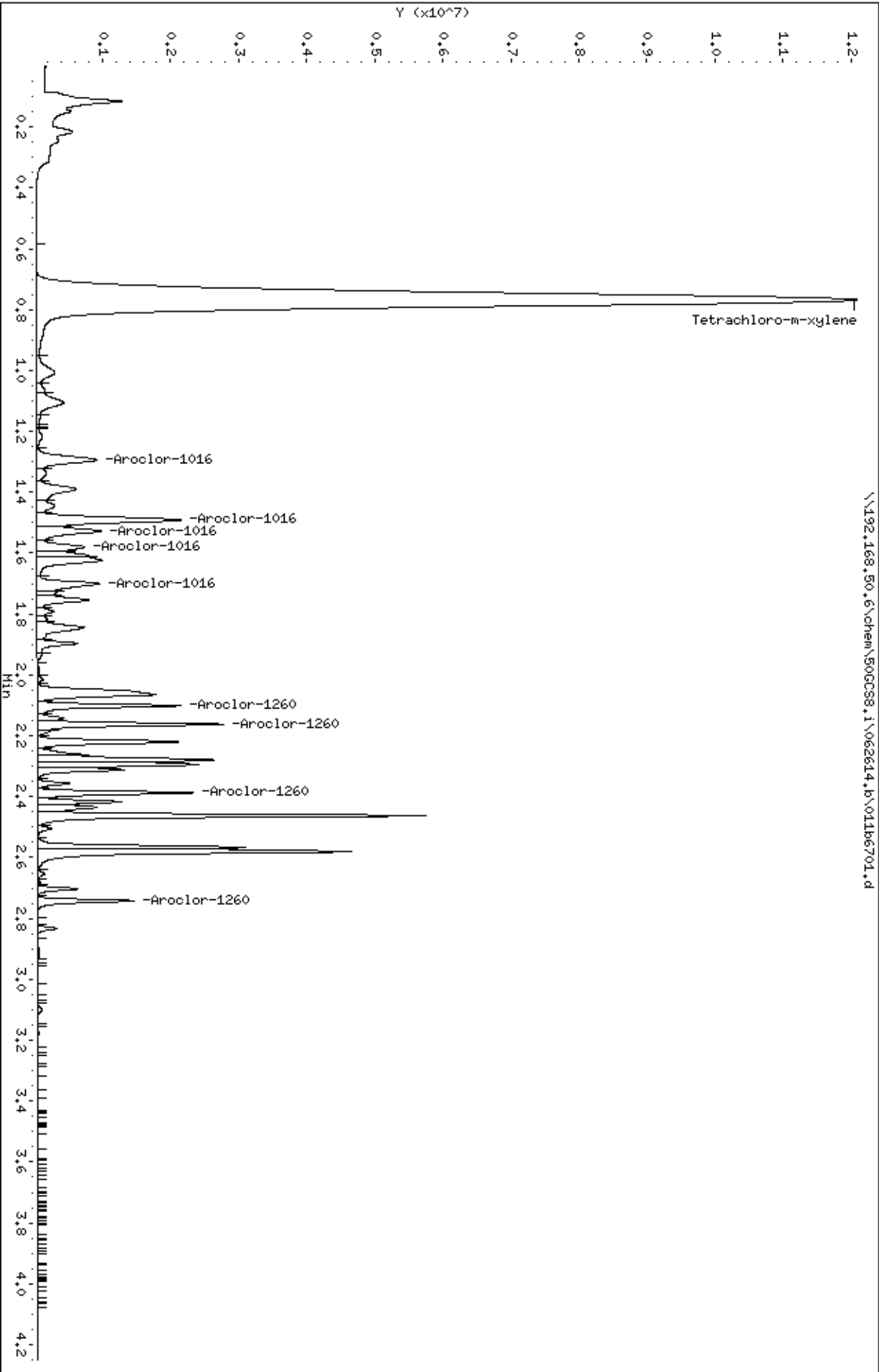
Client ID:

Instrument: 50CCS8.1

Sample Info: CCV,71159:1

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\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	
=====	=====	=====	=====	=====	=====	=====	=====	

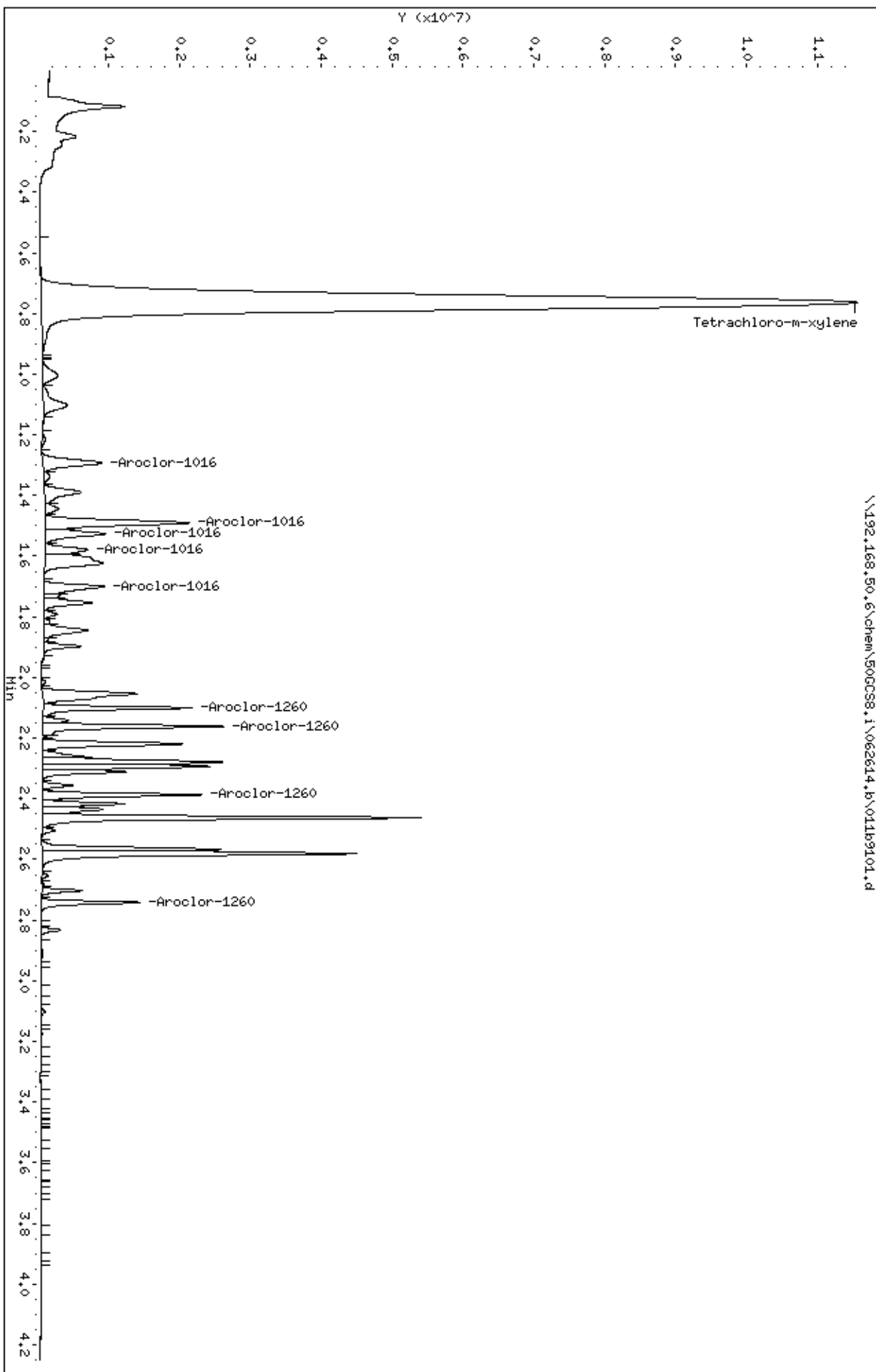
\$ 1	Tetrachloro-m-xylene				CAS #: 877-09-8			
0.763	0.768	-0.005	38815932	0.50000	0.531			

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			

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: 06/24/2014 11:04
Date Analyzed: 06/27/2014 01:01
Initial wt/vol: 30 g Final wt/vol: 10 mL Dilution: 1

Contract: Sibley - Accucast
Matrix: Solid SDG No.: 5099627
Lab Sample ID: 1116370
Lab File ID: 062614.B\069B6801.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

07/17/2014 9:26

Pace Analytical Services, Inc.

PCB by Method 8082A

Data file : \\192.168.50.6\chem\50GCS8.i\062614.b\069b6801.d
 Lab Smp Id: 1116370 Client Smp ID: MB
 Inj Date : 27-JUN-2014 01:01
 Operator : DMT Inst ID: 50GCS8.i
 Smp Info : 1116370,
 Misc Info : 12741
 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: 69 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

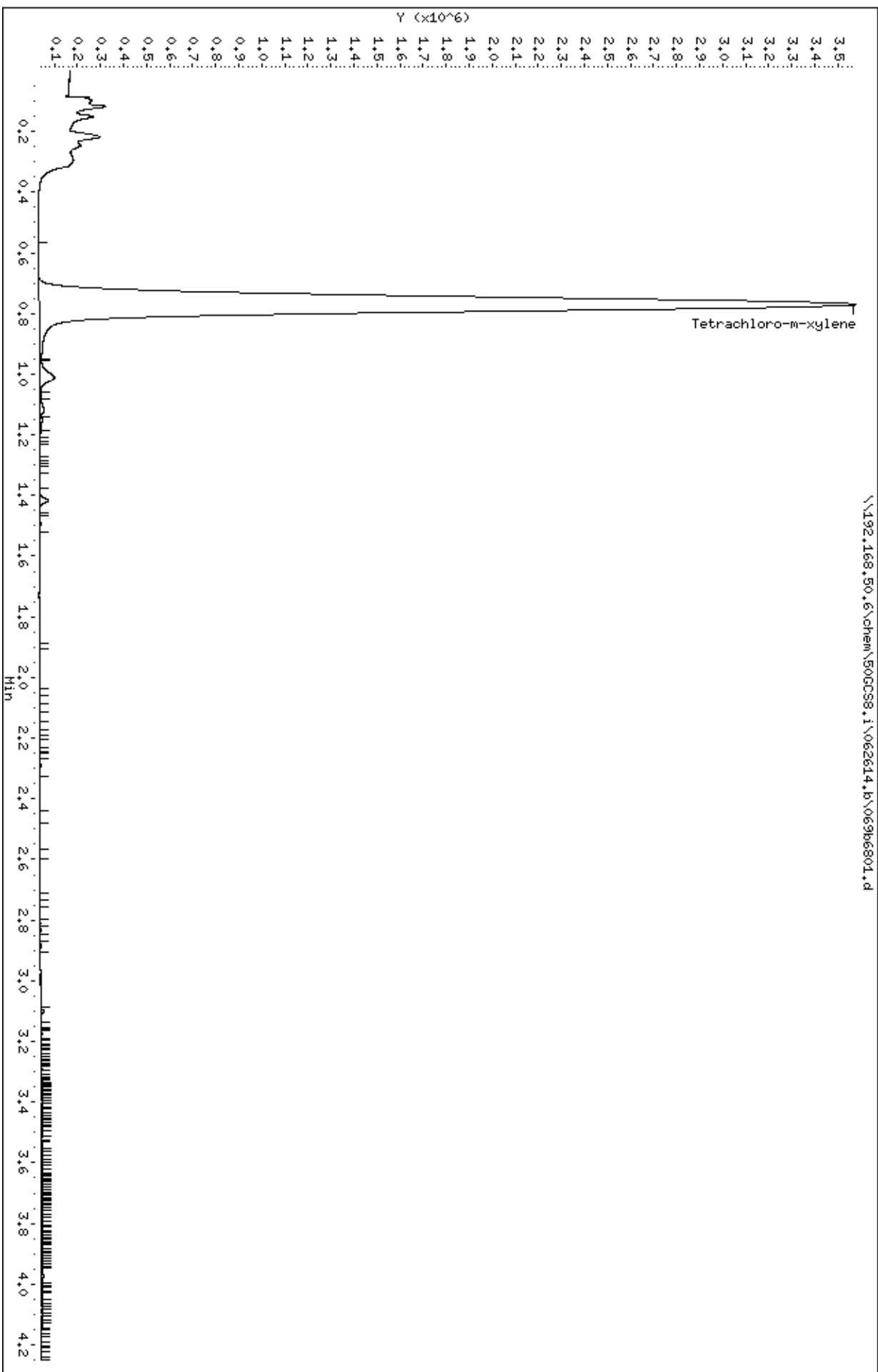
RT	EXP RT	DLT RT	RESPONSE	ON-COL (ug/mL)	FINAL (ug/Kg)	TARGET RANGE	RATIO
0.770	0.768	0.002	11936570	0.16346	54.485		

\$ 1 Tetrachloro-m-xylene CAS #: 877-09-8

Data File: \\192.168.50.6\chem\500CS8.1\062614.b\069b6801.d
Date: 27-JUN-2014 01:01

Client ID: HB
Sample Info: 1116370,
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: 06/24/2014 11:04
Date Analyzed: 06/27/2014 01:06
Initial wt/vol: 30 g Final wt/vol: 10 mL Dilution: 1

Contract: Sibley - Accucast
Matrix: Solid SDG No.: 5099627
Lab Sample ID: 1116371
Lab File ID: 062614.B\070B6901.D
Instrument: 50GCS8 Percent Moisture: _____

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	PCB-1016 (Aroclor 1016)	136	
11096-82-5	PCB-1260 (Aroclor 1260)	145	

Pace Analytical Services, Inc.

PCB by Method 8082A

Data file : \\192.168.50.6\chem\50GCS8.i\062614.b\070b6901.d
 Lab Smp Id: 1116371 Client Smp ID: MBLCS
 Inj Date : 27-JUN-2014 01:06
 Operator : DMT Inst ID: 50GCS8.i
 Smp Info : 1116371,
 Misc Info : 12741
 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: 70 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

RT	EXP RT	DLT RT	RESPONSE	ON-COL (ug/mL)	FINAL (ug/Kg)	TARGET RANGE	RATIO
----	--------	--------	----------	----------------	---------------	--------------	-------

\$ 1 Tetrachloro-m-xylene CAS #: 877-09-8
 0.764 0.768 -0.004 11968472 0.16389 54.631

23 Aroclor-1016 CAS #: 12674-11-2

1.292	1.292	0.000	1059125	0.38769	129.231	0.00-	0.00	100.00
1.490	1.489	0.001	2143475	0.38552	128.505	0.00-	0.00	202.38
1.527	1.526	0.001	1057890	0.42928	143.092	0.00-	0.00	99.88
1.579	1.579	0.000	714368	0.42344	141.148	0.00-	0.00	67.45
1.700	1.699	0.001	1012956	0.41665	138.883	0.00-	0.00	95.64

Average of Peak Concentrations = 136.172

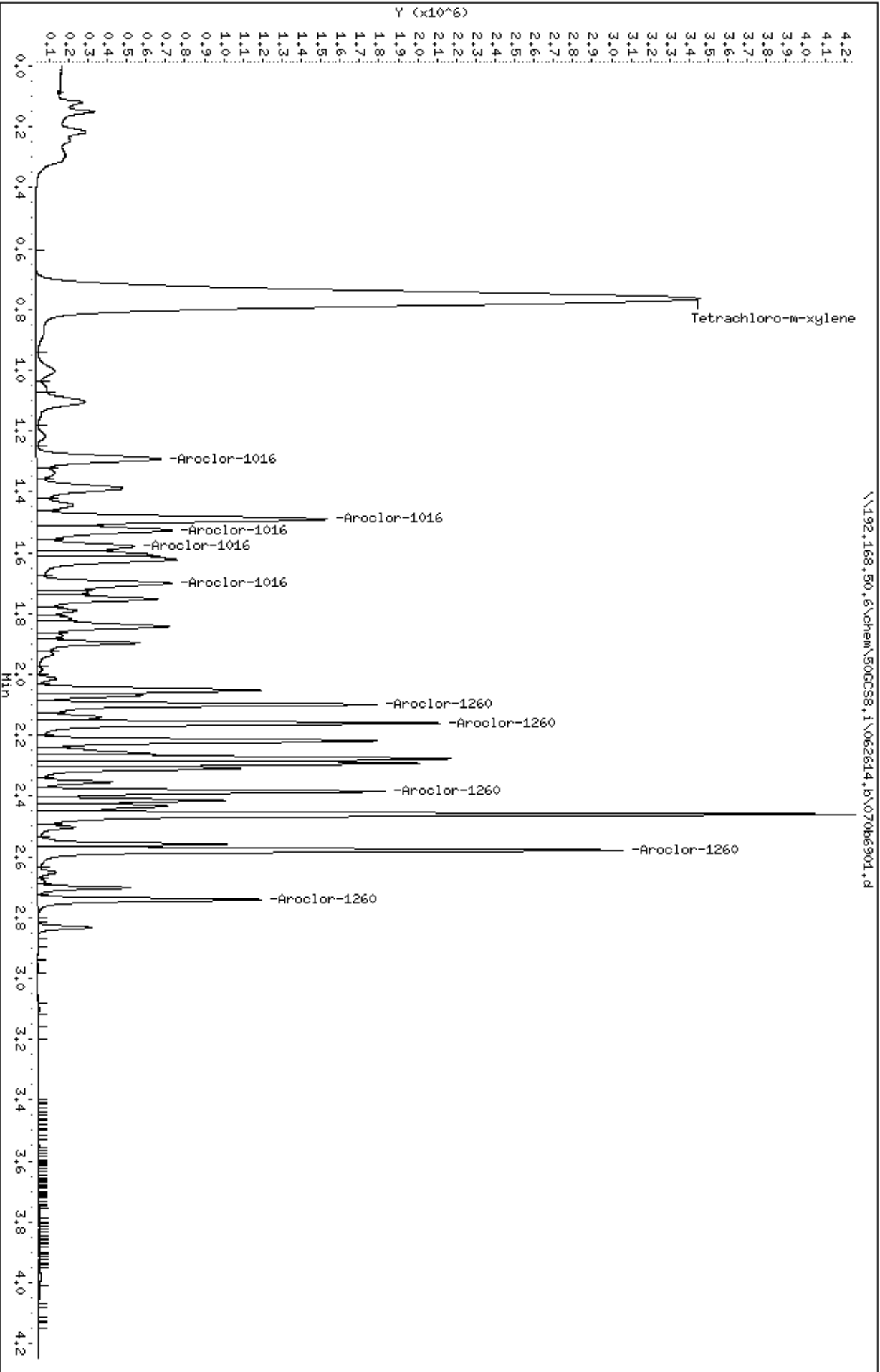
29 Aroclor-1260 CAS #: 11096-82-5

2.100	2.099	0.001	1562674	0.42220	140.734	0.00-	0.00	100.00
2.161	2.160	0.001	1913166	0.43014	143.381	0.00-	0.00	122.43
2.385	2.384	0.001	1548036	0.42576	141.919	0.00-	0.00	99.06
2.578	2.578	0.000	2645034	0.44067	146.891	0.00-	0.00	169.26
2.741	2.739	0.002	966415	0.45686	152.285	0.00-	0.00	61.84

Average of Peak Concentrations = 145.042

Sample Info: 1116371,
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.

MS

Lab Name: Pace Analytical - Indiana
Date Received: 06/20/2014 10:42
Date Extracted: 06/24/2014 11:04
Date Analyzed: 06/27/2014 01:41
Initial wt/vol: 30 g Final wt/vol: 10 mL Dilution: 1

Contract: Sibley - Accucast
Matrix: Solid SDG No.: 5099627
Lab Sample ID: 1116372
Lab File ID: 062614.B\076B7501.D
Instrument: 50GCS8 Percent Moisture: 16.0%

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	PCB-1016 (Aroclor 1016)	155	
11096-82-5	PCB-1260 (Aroclor 1260)	153	

Pace Analytical Services, Inc.

PCB by Method 8082A

Data file : \\192.168.50.6\chem\50GCS8.i\062614.b\076b7501.d
 Lab Smp Id: 1116372 Client Smp ID: P-8 (16-18)MS
 Inj Date : 27-JUN-2014 01:41
 Operator : DMT Inst ID: 50GCS8.i
 Smp Info : 1116372,
 Misc Info : 12741
 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: 76 QC Sample: MS
 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	30.000	Weight of sample extracted (g)
M	16.027	% Moisture
Cpnd Variable		Local Compound Variable

CONCENTRATIONS

RT	EXP RT	DLT RT	RESPONSE	ON-COL (ug/mL)	FINAL (ug/Kg)	TARGET RANGE	RATIO
----	--------	--------	----------	----------------	---------------	--------------	-------

\$ 1 Tetrachloro-m-xylene CAS #: 877-09-8
 0.764 0.768 -0.004 12723242 0.17423 69.161

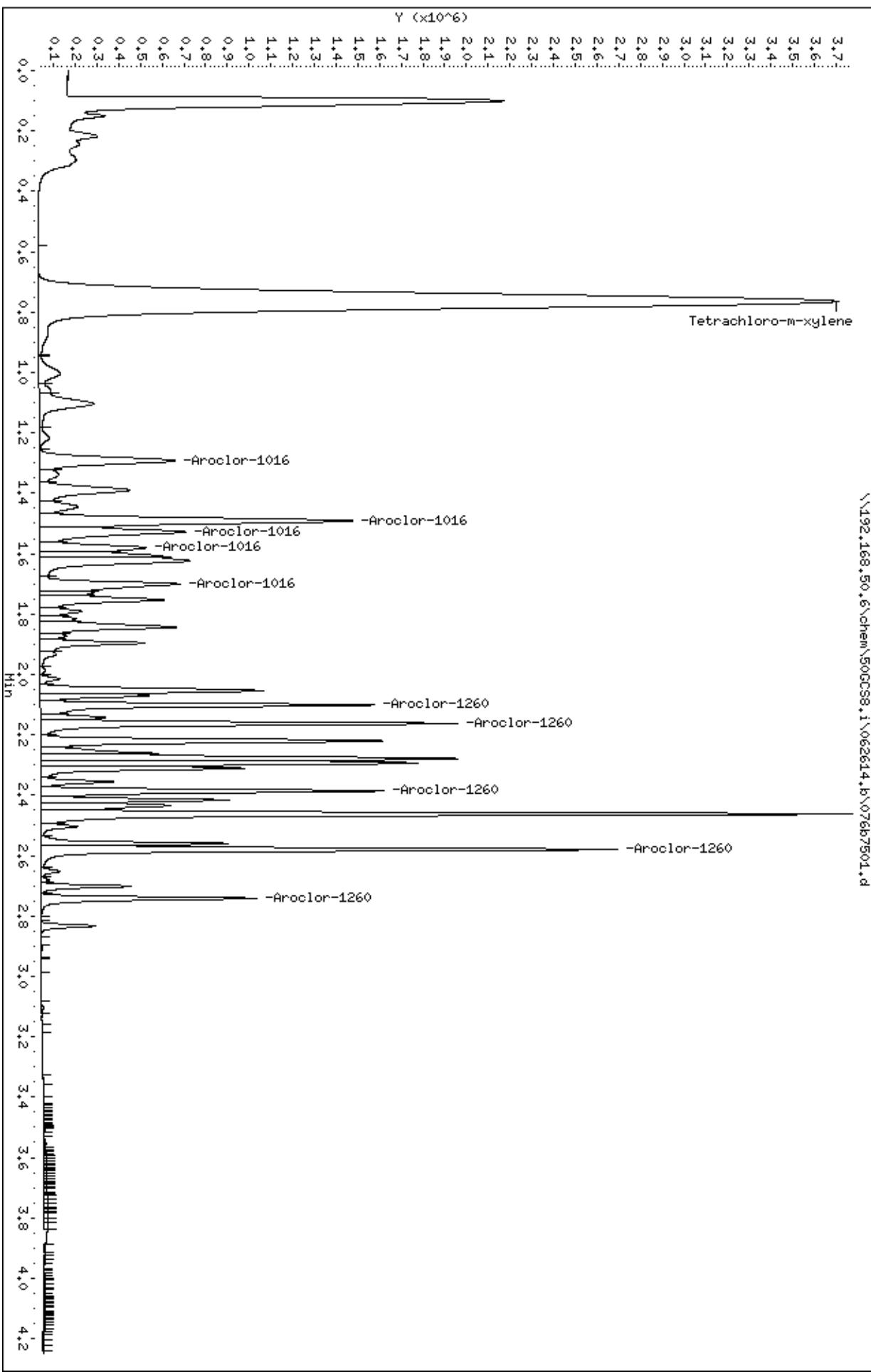
23 Aroclor-1016			CAS #: 12674-11-2					
1.292	1.292	0.000	1050683	0.38460	152.669	0.00-	0.00	100.00
1.491	1.489	0.002	2035543	0.36610	145.325	0.00-	0.00	193.74
1.528	1.526	0.002	1011402	0.41041	162.914	0.00-	0.00	96.26
1.580	1.579	0.001	678269	0.40205	159.593	0.00-	0.00	64.56
1.700	1.699	0.001	936779	0.38532	152.952	0.00-	0.00	89.16
Average of Peak Concentrations =					154.691			

29 Aroclor-1260			CAS #: 11096-82-5					
2.101	2.099	0.002	1406678	0.38006	150.864	0.00-	0.00	100.00
2.162	2.160	0.002	1705625	0.38348	152.224	0.00-	0.00	121.25
2.386	2.384	0.002	1373739	0.37782	149.977	0.00-	0.00	97.66
2.580	2.578	0.002	2305896	0.38417	152.497	0.00-	0.00	163.92
2.741	2.739	0.002	841269	0.39770	157.866	0.00-	0.00	59.81
Average of Peak Concentrations =					152.686			

Data File: \\192.168.50.6\chem\500CS8.1\062614.b\07667501.d
Date: 27-JUN-2014 01:41
Client ID: P-8 (16-18)MS
Sample Info: 1116372,
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\07667501.d



PCB - FORM I SVOA-1
SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

MSD

Lab Name: Pace Analytical - Indiana
Date Received: 06/20/2014 10:42
Date Extracted: 06/24/2014 11:04
Date Analyzed: 06/27/2014 01:47
Initial wt/vol: 30.1 g Final wt/vol: 10 mL Dilution: 1

Contract: Sibley - Accucast
Matrix: Solid SDG No.: 5099627
Lab Sample ID: 1116373
Lab File ID: 062614.B\077B7601.D
Instrument: 50GCS8 Percent Moisture: 16.0%

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	PCB-1016 (Aroclor 1016)	159	
11096-82-5	PCB-1260 (Aroclor 1260)	165	

Pace Analytical Services, Inc.

PCB by Method 8082A

Data file : \\192.168.50.6\chem\50GCS8.i\062614.b\077b7601.d
 Lab Smp Id: 1116373 Client Smp ID: P-8 (16-18)MSD
 Inj Date : 27-JUN-2014 01:47
 Operator : DMT Inst ID: 50GCS8.i
 Smp Info : 1116373,
 Misc Info : 12741
 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: 77 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	16.027	% Moisture
Cpnd Variable		Local Compound Variable

CONCENTRATIONS

RT	EXP RT	DLT RT	RESPONSE	ON-COL (ug/mL)	FINAL (ug/Kg)	TARGET RANGE	RATIO
----	--------	--------	----------	----------------	---------------	--------------	-------

\$ 1 Tetrachloro-m-xylene CAS #: 877-09-8
 0.769 0.768 0.001 12545384 0.17179 67.967

23 Aroclor-1016 CAS #: 12674-11-2
 1.293 1.292 0.001 1071760 0.39232 155.214 0.00- 0.00 100.00
 1.491 1.489 0.002 2113302 0.38009 150.376 0.00- 0.00 197.18
 1.528 1.526 0.002 1042423 0.42300 167.353 0.00- 0.00 97.26
 1.580 1.579 0.001 691786 0.41006 162.233 0.00- 0.00 64.55
 1.699 1.699 0.000 970961 0.39938 158.006 0.00- 0.00 90.60
 Average of Peak Concentrations = 158.636

29 Aroclor-1260 CAS #: 11096-82-5
 2.100 2.099 0.001 1512007 0.40851 161.621 0.00- 0.00 100.00
 2.161 2.160 0.001 1842259 0.41420 163.872 0.00- 0.00 121.84
 2.385 2.384 0.001 1484591 0.40831 161.541 0.00- 0.00 98.19
 2.579 2.578 0.001 2516647 0.41928 165.882 0.00- 0.00 166.44
 2.742 2.739 0.003 910389 0.43037 170.269 0.00- 0.00 60.21
 Average of Peak Concentrations = 164.637

Date : 27-JUN-2014 01:47

Instrument: 500CS8.1

Client ID: P-8 (16-18)MSD

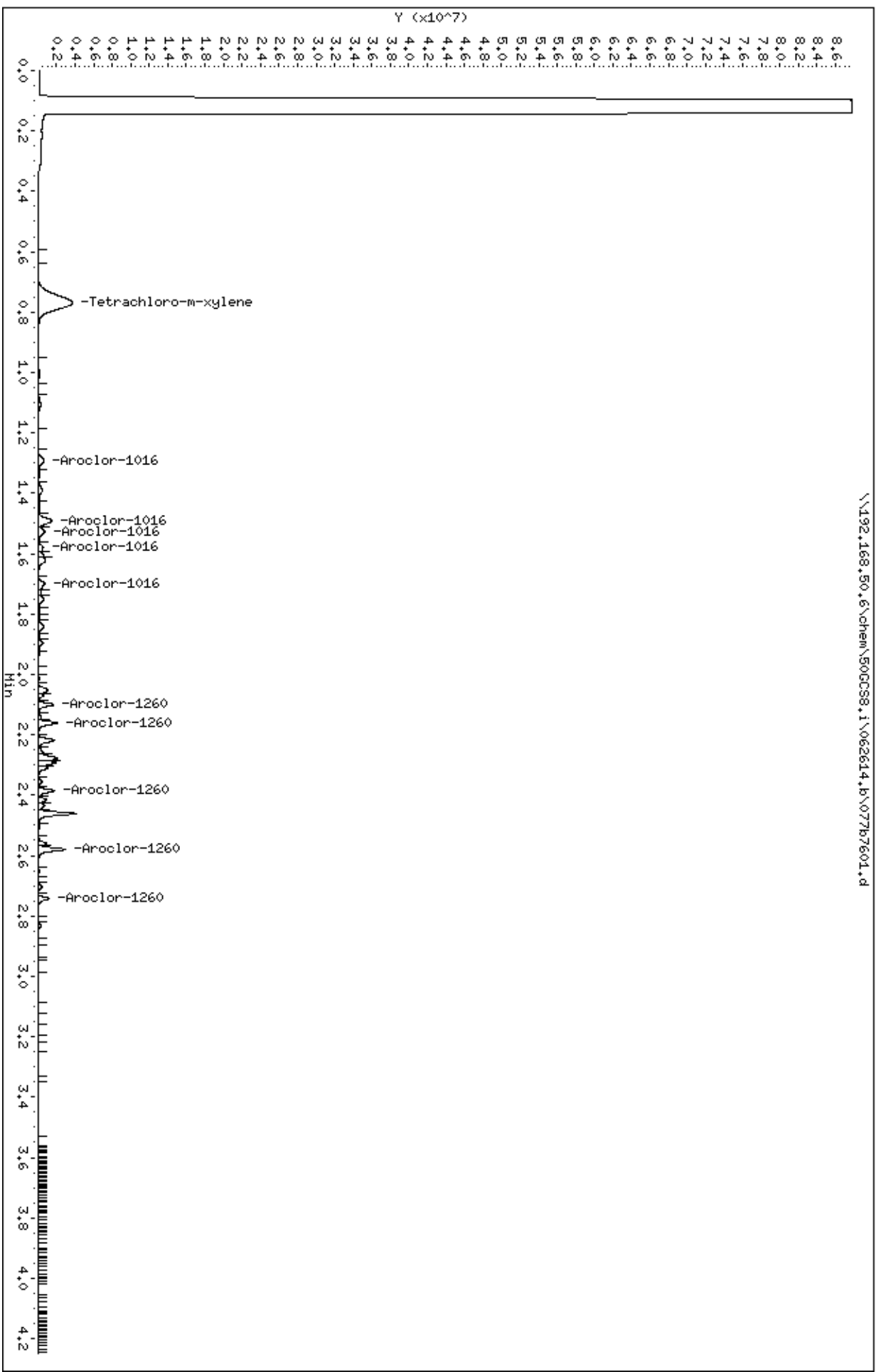
Operator: DMT

Sample Info: 1116373,

Column diameter: 0.00

Volume Injected (uL): 1.0

Column phase:



Batch Information: OEXT 231152 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.	56879

Template Version: EF-IN-O-316-Rev.00(11Nov2011)

Extracted By	KEO
Vialed By Date	06/24/2014 17:18:59.513
Ottawa Sand	None Added
Batch Notes	

Extracted By Date	06/24/2014 11:04:00
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	1116370	30.0	10.0			71251 (1)	
8082 SMP	LCS	1116371	30.0	10.0			71251 (1)	69573 (1)
8082 SMP	PS	5099655021	10.1	10.0			71251 (1)	
8082 SMP	PS	5099655022	10.2	10.0			71251 (1)	
8082 SMP	PS	5099627001	30.1	10.0			71251 (1)	
8082 SMP	PS	5099627002	30.0	10.0			71251 (1)	
8082 SMP	PS	5099627003	30.2	10.0			71251 (1)	
8082 SMP	MS	1116372	30.0	10.0			71251 (1)	69573 (1)
8082 SMP	MSD	1116373	30.1	10.0			71251 (1)	69573 (1)
8082 SMP	PS	5099627004	30.1	10.0			71251 (1)	
8082 SMP	PS	5099627005	30.2	10.0			71251 (1)	
8082 SMP	PS	5099627006	30.0	10.0			71251 (1)	
8082 SMP	PS	5099627007	30.3	10.0			71251 (1)	
8082 SMP	PS	5099627008	30.1	10.0			71251 (1)	
8082 SMP	PS	5099627009	30.3	10.0			71251 (1)	
8082 SMP	PS	5099627010	30.2	10.0			71251 (1)	
8082 SMP	PS	5099627011	30.1	10.0			71251 (1)	
8082 SMP	PS	5099627012	30.2	10.0			71251 (1)	
8082 SMP	PS	5099627014	30.1	10.0			71251 (1)	
8082 SMP	PS	5099627015	30.1	10.0			71251 (1)	
8082 SMP	PS	5099627016	30.2	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	5099627017	30.0	10.0			71251 (1)	
8082 SMP	PS	5099627018	30.1	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 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
1/067b6701.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	<i>do not report (matrix)</i>
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	<i>1254</i>
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	<i>1254</i>
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	<i>good</i>
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	<i>good</i>

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
1/001f0101.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

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
1/023f1701.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	<u>good</u>
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	<u>20x</u>
1/116bah01.d	5099655012,	S/12743	SAMPLE	1	8082r	6/27/14	05:45	DMT	<u>20x</u>
1/117fah01.d	5099655013,	S/12743	SAMPLE	1	8082f	6/27/14	05:45	DMT	<u>500x</u>
1/117bai01.d	5099655013,	S/12743	SAMPLE	1	8082r	6/27/14	05:51	DMT	<u>500x</u>
1/118fai01.d	5099655014,	S/12743	SAMPLE	1	8082f	6/27/14	05:51	DMT	<u>1260</u>
1/118baj01.d	5099655014,	S/12743	SAMPLE	1	8082r	6/27/14	05:57	DMT	<u>✓ 1260</u>
1/119faj01.d	5099655015,	S/12743	SAMPLE	1	8082f	6/27/14	05:57	DMT	<u>1000x</u>
1/119bak01.d	5099655015,	S/12743	SAMPLE	1	8082r	6/27/14	06:03	DMT	<u>1000x</u>
1/120fak01.d	5099655016,	S/12743	SAMPLE	1	8082f	6/27/14	06:03	DMT	<u>1000x</u>
1/120bal01.d	5099655016,	S/12743	SAMPLE	1	8082r	6/27/14	06:09	DMT	<u>1000x</u>
1/121fal01.d	5099655017,	S/12743	SAMPLE	1	8082f	6/27/14	06:09	DMT	<u>20x</u>
1/121bam01.d	5099655017,	S/12743	SAMPLE	1	8082r	6/27/14	06:15	DMT	<u>20x</u>
1/122fam01.d	1117076,	S/12743	MS	1	8082f	6/27/14	06:15	DMT	<u>50x</u>
1/122ban01.d	1117076,	S/12743	MS	1	8082r	6/27/14	06:20	DMT	<u>50x</u>
1/123fan01.d	1117077,	S/12743	MSD	1	8082f	6/27/14	06:20	DMT	<u>50x</u>
1/123bao01.d	1117077,	S/12743	MSD	1	8082r	6/27/14	06:26	DMT	<u>↓</u>
1/124fao01.d	5099655018,	S/12743	SAMPLE	1	8082f	6/27/14	06:26	DMT	<u>10x</u>
1/124bap01.d	5099655018,	S/12743	SAMPLE	1	8082r	6/27/14	06:32	DMT	<u>↓</u>
1/125fap01.d	5099655019,	S/12743	SAMPLE	1	8082f	6/27/14	06:32	DMT	<u>50x</u>
1/011faq01.d	CCV,71159:1	N/12692	CCALIB_4	1	8082f	6/27/14	06:38	DMT	<u>good</u>
1/125baq01.d	5099655019,	S/12743	SAMPLE	1	8082r	6/27/14	06:38	DMT	<u>50x</u>
1/001far01.d	HEXANE 62052	N/	SAMPLE	1	8082f	6/27/14	06:44	DMT	<u> </u>
1/011bar01.d	CCV,71159:1	N/12692	CCALIB_4	1	8082r	6/27/14	06:44	DMT	<u>good</u>

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

FORM I INORGANIC-1
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

P-8 (6-8)

Lab Name: Pace Analytical - Indiana SDG No. : 5099627 Contract: Sibley - Accucast
Lab Sample ID: 5099627001 Percent Moisture: 9.9

CAS No.	Analyte	Concentration	Q	Units	DF	Analysis Date/Time
7440-36-0	Antimony	ND	U	mg/kg	1	06/24/2014 09:31
7440-38-2	Arsenic	2.9		mg/kg	1	06/24/2014 09:31
7440-47-3	Chromium	10.1		mg/kg	1	06/24/2014 09:31
7440-48-4	Cobalt	2.6		mg/kg	1	06/24/2014 09:31
7439-89-6	Iron	10900		mg/kg	1	06/24/2014 09:31
7439-92-1	Lead	10.7		mg/kg	1	06/24/2014 09:31
7782-49-2	Selenium	ND	U	mg/kg	1	06/24/2014 09:31
7440-28-0	Thallium	2.2		mg/kg	1	06/24/2014 09:31

FORM I INORGANIC-1
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

TMW-7 (8-10)

Lab Name: Pace Analytical - Indiana SDG No. : 5099627 Contract: Sibley - Accucast
Lab Sample ID: 5099627002 Percent Moisture: 15.5

CAS No.	Analyte	Concentration	Q	Units	DF	Analysis Date/Time
7440-36-0	Antimony	ND	U	mg/kg	1	06/24/2014 09:41
7440-38-2	Arsenic	1.5		mg/kg	1	06/24/2014 09:41
7440-47-3	Chromium	2.0		mg/kg	1	06/24/2014 09:41
7440-48-4	Cobalt	1.4		mg/kg	1	06/24/2014 09:41
7439-89-6	Iron	2770		mg/kg	1	06/24/2014 09:41
7439-92-1	Lead	1.9		mg/kg	1	06/24/2014 09:41
7782-49-2	Selenium	ND	U	mg/kg	1	06/24/2014 09:41
7440-28-0	Thallium	1.4		mg/kg	1	06/24/2014 09:41

FORM I INORGANIC-1
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

P-8 (16-18)

Lab Name: Pace Analytical - Indiana SDG No. : 5099627 Contract: Sibley - Accucast
Lab Sample ID: 5099627003 Percent Moisture: 16.0

CAS No.	Analyte	Concentration	Q	Units	DF	Analysis Date/Time
7440-36-0	Antimony	ND	U	mg/kg	1	06/24/2014 09:44
7440-38-2	Arsenic	2.4		mg/kg	1	06/24/2014 09:44
7440-47-3	Chromium	3.6		mg/kg	1	06/24/2014 09:44
7440-48-4	Cobalt	1.7		mg/kg	1	06/24/2014 09:44
7439-89-6	Iron	4070		mg/kg	1	06/24/2014 09:44
7439-92-1	Lead	2.2		mg/kg	1	06/24/2014 09:44
7782-49-2	Selenium	ND	U	mg/kg	1	06/24/2014 09:44
7440-28-0	Thallium	1.8		mg/kg	1	06/24/2014 09:44

FORM I INORGANIC-1
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

P-4 (16-18)

Lab Name: Pace Analytical - Indiana SDG No. : 5099627 Contract: Sibley - Accucast
Lab Sample ID: 5099627004 Percent Moisture: 16.0

CAS No.	Analyte	Concentration	Q	Units	DF	Analysis Date/Time
7440-36-0	Antimony	ND	U	mg/kg	1	06/24/2014 09:46
7440-38-2	Arsenic	1.7		mg/kg	1	06/24/2014 09:46
7440-47-3	Chromium	2.9		mg/kg	1	06/24/2014 09:46
7440-48-4	Cobalt	1.3		mg/kg	1	06/24/2014 09:46
7439-89-6	Iron	3620		mg/kg	1	06/24/2014 09:46
7439-92-1	Lead	1.4		mg/kg	1	06/24/2014 09:46
7782-49-2	Selenium	ND	U	mg/kg	1	06/24/2014 09:46
7440-28-0	Thallium	1.8		mg/kg	1	06/24/2014 09:46

FORM I INORGANIC-1
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

TMW-9 (3-5)

Lab Name: Pace Analytical - Indiana SDG No. : 5099627 Contract: Sibley - Accucast
Lab Sample ID: 5099627005 Percent Moisture: 17.0

CAS No.	Analyte	Concentration	Q	Units	DF	Analysis Date/Time
7440-36-0	Antimony	ND	U	mg/kg	1	06/24/2014 09:48
7440-38-2	Arsenic	2.3		mg/kg	1	06/24/2014 09:48
7440-47-3	Chromium	2.8		mg/kg	1	06/24/2014 09:48
7440-48-4	Cobalt	1.6		mg/kg	1	06/24/2014 09:48
7439-89-6	Iron	4000		mg/kg	1	06/24/2014 09:48
7439-92-1	Lead	4.4		mg/kg	1	06/24/2014 09:48
7782-49-2	Selenium	ND	U	mg/kg	1	06/24/2014 09:48
7440-28-0	Thallium	1.7		mg/kg	1	06/24/2014 09:48

FORM I INORGANIC-1
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

TMW-3 (15-16)

Lab Name: Pace Analytical - Indiana SDG No. : 5099627 Contract: Sibley - Accucast
Lab Sample ID: 5099627006 Percent Moisture: 14.3

CAS No.	Analyte	Concentration	Q	Units	DF	Analysis Date/Time
7440-36-0	Antimony	ND	U	mg/kg	1	06/24/2014 09:56
7440-38-2	Arsenic	5.5		mg/kg	1	06/24/2014 09:56
7440-47-3	Chromium	2.6		mg/kg	1	06/24/2014 09:56
7440-48-4	Cobalt	1.6		mg/kg	1	06/24/2014 09:56
7439-89-6	Iron	5710		mg/kg	1	06/24/2014 09:56
7439-92-1	Lead	6.4		mg/kg	1	06/24/2014 09:56
7782-49-2	Selenium	ND	U	mg/kg	1	06/24/2014 09:56
7440-28-0	Thallium	1.9		mg/kg	1	06/24/2014 09:56

FORM I INORGANIC-1
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

TMW-9 (16-18)

Lab Name: Pace Analytical - Indiana SDG No. : 5099627 Contract: Sibley - Accucast
Lab Sample ID: 5099627007 Percent Moisture: 14.6

CAS No.	Analyte	Concentration	Q	Units	DF	Analysis Date/Time
7440-36-0	Antimony	ND	U	mg/kg	1	06/24/2014 09:58
7440-38-2	Arsenic	1.5		mg/kg	1	06/24/2014 09:58
7440-47-3	Chromium	3.0		mg/kg	1	06/24/2014 09:58
7440-48-4	Cobalt	1.3		mg/kg	1	06/24/2014 09:58
7439-89-6	Iron	3000		mg/kg	1	06/24/2014 09:58
7439-92-1	Lead	1.7		mg/kg	1	06/24/2014 09:58
7782-49-2	Selenium	ND	U	mg/kg	1	06/24/2014 09:58
7440-28-0	Thallium	1.5		mg/kg	1	06/24/2014 09:58

FORM I INORGANIC-1
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

P-7 (13-15)

Lab Name: Pace Analytical - Indiana SDG No. : 5099627 Contract: Sibley - Accucast
Lab Sample ID: 5099627008 Percent Moisture: 15.7

CAS No.	Analyte	Concentration	Q	Units	DF	Analysis Date/Time
7440-36-0	Antimony	ND	U	mg/kg	1	06/24/2014 10:00
7440-38-2	Arsenic	3.0		mg/kg	1	06/24/2014 10:00
7440-47-3	Chromium	3.1		mg/kg	1	06/24/2014 10:00
7440-48-4	Cobalt	1.7		mg/kg	1	06/24/2014 10:00
7439-89-6	Iron	4750		mg/kg	1	06/24/2014 10:00
7439-92-1	Lead	10.4		mg/kg	1	06/24/2014 10:00
7782-49-2	Selenium	ND	U	mg/kg	1	06/24/2014 10:00
7440-28-0	Thallium	2.2		mg/kg	1	06/24/2014 10:00

FORM I INORGANIC-1
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

P-3 (16-18)

Lab Name: Pace Analytical - Indiana SDG No. : 5099627 Contract: Sibley - Accucast
Lab Sample ID: 5099627009 Percent Moisture: 16.6

CAS No.	Analyte	Concentration	Q	Units	DF	Analysis Date/Time
7440-36-0	Antimony	ND	U	mg/kg	1	06/24/2014 10:02
7440-38-2	Arsenic	1.4		mg/kg	1	06/24/2014 10:02
7440-47-3	Chromium	2.1		mg/kg	1	06/24/2014 10:02
7440-48-4	Cobalt	1.2		mg/kg	1	06/24/2014 10:02
7439-89-6	Iron	2770		mg/kg	1	06/24/2014 10:02
7439-92-1	Lead	1.2		mg/kg	1	06/24/2014 10:02
7782-49-2	Selenium	ND	U	mg/kg	1	06/24/2014 10:02
7440-28-0	Thallium	1.6		mg/kg	1	06/24/2014 10:02

FORM I INORGANIC-1
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

TMW-7 (14-16)

Lab Name: Pace Analytical - Indiana SDG No. : 5099627 Contract: Sibley - Accucast
Lab Sample ID: 5099627010 Percent Moisture: 14.2

CAS No.	Analyte	Concentration	Q	Units	DF	Analysis Date/Time
7440-36-0	Antimony	ND	U	mg/kg	1	06/24/2014 10:04
7440-38-2	Arsenic	1.7		mg/kg	1	06/24/2014 10:04
7440-47-3	Chromium	3.4		mg/kg	1	06/24/2014 10:04
7440-48-4	Cobalt	1.7		mg/kg	1	06/24/2014 10:04
7439-89-6	Iron	3690		mg/kg	1	06/24/2014 10:04
7439-92-1	Lead	2.0		mg/kg	1	06/24/2014 10:04
7782-49-2	Selenium	ND	U	mg/kg	1	06/24/2014 10:04
7440-28-0	Thallium	2.0		mg/kg	1	06/24/2014 10:04

FORM I INORGANIC-1
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

P-4 (5-7)

Lab Name: Pace Analytical - Indiana SDG No. : 5099627 Contract: Sibley - Accucast
Lab Sample ID: 5099627011 Percent Moisture: 9.2

CAS No.	Analyte	Concentration	Q	Units	DF	Analysis Date/Time
7440-36-0	Antimony	ND	U	mg/kg	1	06/24/2014 10:06
7440-38-2	Arsenic	4.0		mg/kg	1	06/24/2014 10:06
7440-47-3	Chromium	9.4		mg/kg	1	06/24/2014 10:06
7440-48-4	Cobalt	3.7		mg/kg	1	06/24/2014 10:06
7439-89-6	Iron	11500		mg/kg	1	06/24/2014 10:06
7439-92-1	Lead	11.8		mg/kg	1	06/24/2014 10:06
7782-49-2	Selenium	ND	U	mg/kg	1	06/24/2014 10:06
7440-28-0	Thallium	4.7		mg/kg	1	06/24/2014 10:06

FORM I INORGANIC-1
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

P-7 (5-7)

Lab Name: Pace Analytical - Indiana SDG No. : 5099627 Contract: Sibley - Accucast
Lab Sample ID: 5099627012 Percent Moisture: 14.5

CAS No.	Analyte	Concentration	Q	Units	DF	Analysis Date/Time
7440-36-0	Antimony	ND	U	mg/kg	1	06/24/2014 10:09
7440-38-2	Arsenic	3.1		mg/kg	1	06/24/2014 10:09
7440-47-3	Chromium	3.1		mg/kg	1	06/24/2014 10:09
7440-48-4	Cobalt	1.7		mg/kg	1	06/24/2014 10:09
7439-89-6	Iron	5660		mg/kg	1	06/24/2014 10:09
7439-92-1	Lead	5.2		mg/kg	1	06/24/2014 10:09
7782-49-2	Selenium	ND	U	mg/kg	1	06/24/2014 10:09
7440-28-0	Thallium	2.4		mg/kg	1	06/24/2014 10:09

FORM I INORGANIC-1
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

TMW-3 (8-9)

Lab Name: Pace Analytical - Indiana SDG No. : 5099627 Contract: Sibley - Accucast
Lab Sample ID: 5099627014 Percent Moisture: 5.6

CAS No.	Analyte	Concentration	Q	Units	DF	Analysis Date/Time
7440-36-0	Antimony	ND	U	mg/kg	1	06/24/2014 10:11
7440-38-2	Arsenic	1.5		mg/kg	1	06/24/2014 10:11
7440-47-3	Chromium	2.3		mg/kg	1	06/24/2014 10:11
7440-48-4	Cobalt	ND	U	mg/kg	1	06/24/2014 10:11
7439-89-6	Iron	3250		mg/kg	1	06/24/2014 10:11
7439-92-1	Lead	2.6		mg/kg	1	06/24/2014 10:11
7782-49-2	Selenium	ND	U	mg/kg	1	06/24/2014 10:11
7440-28-0	Thallium	1.3		mg/kg	1	06/24/2014 10:11

FORM I INORGANIC-1
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

P-9 (2-4)

Lab Name: Pace Analytical - Indiana SDG No. : 5099627 Contract: Sibley - Accucast
 Lab Sample ID: 5099627015 Percent Moisture: 18.7

CAS No.	Analyte	Concentration	Q	Units	DF	Analysis Date/Time
7440-36-0	Antimony	ND	U	mg/kg	1	06/24/2014 10:13
7440-38-2	Arsenic	4.8		mg/kg	1	06/24/2014 10:13
7440-47-3	Chromium	10.3		mg/kg	1	06/24/2014 10:13
7440-48-4	Cobalt	10.6		mg/kg	1	06/24/2014 10:13
7439-89-6	Iron	11500		mg/kg	1	06/24/2014 10:13
7439-92-1	Lead	9.0		mg/kg	1	06/24/2014 10:13
7782-49-2	Selenium	ND	U	mg/kg	1	06/24/2014 10:13
7440-28-0	Thallium	3.3		mg/kg	1	06/24/2014 10:13

FORM I INORGANIC-1
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

P-3 (8-10)

Lab Name: Pace Analytical - Indiana SDG No. : 5099627 Contract: Sibley - Accucast
 Lab Sample ID: 5099627016 Percent Moisture: 13.3

CAS No.	Analyte	Concentration	Q	Units	DF	Analysis Date/Time
7440-36-0	Antimony	ND	U	mg/kg	1	06/24/2014 10:15
7440-38-2	Arsenic	8.9		mg/kg	1	06/24/2014 10:15
7440-47-3	Chromium	8.0		mg/kg	1	06/24/2014 10:15
7440-48-4	Cobalt	3.4		mg/kg	1	06/24/2014 10:15
7439-89-6	Iron	18100		mg/kg	1	06/24/2014 10:15
7439-92-1	Lead	16.7		mg/kg	1	06/24/2014 10:15
7782-49-2	Selenium	ND	U	mg/kg	1	06/24/2014 10:15
7440-28-0	Thallium	2.9		mg/kg	1	06/24/2014 10:15

FORM I INORGANIC-1
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

P-9 (13-15)

Lab Name: Pace Analytical - Indiana SDG No. : 5099627 Contract: Sibley - Accucast
Lab Sample ID: 5099627017 Percent Moisture: 14.8

CAS No.	Analyte	Concentration	Q	Units	DF	Analysis Date/Time
7440-36-0	Antimony	ND	U	mg/kg	1	06/24/2014 10:21
7440-38-2	Arsenic	3.1		mg/kg	1	06/24/2014 10:21
7440-47-3	Chromium	4.6		mg/kg	1	06/24/2014 10:21
7440-48-4	Cobalt	2.7		mg/kg	1	06/24/2014 10:21
7439-89-6	Iron	5050		mg/kg	1	06/24/2014 10:21
7439-92-1	Lead	4.9		mg/kg	1	06/24/2014 10:21
7782-49-2	Selenium	ND	U	mg/kg	1	06/24/2014 10:21
7440-28-0	Thallium	2.2		mg/kg	1	06/24/2014 10:21

FORM I INORGANIC-1
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

Surf-Dupe

Lab Name: Pace Analytical - Indiana SDG No. : 5099627 Contract: Sibley - Accucast
Lab Sample ID: 5099627018 Percent Moisture: 18.0

CAS No.	Analyte	Concentration	Q	Units	DF	Analysis Date/Time
7440-36-0	Antimony	ND	U	mg/kg	1	06/24/2014 10:23
7440-38-2	Arsenic	1.9		mg/kg	1	06/24/2014 10:23
7440-47-3	Chromium	2.8		mg/kg	1	06/24/2014 10:23
7440-48-4	Cobalt	1.4		mg/kg	1	06/24/2014 10:23
7439-89-6	Iron	3480		mg/kg	1	06/24/2014 10:23
7439-92-1	Lead	3.2		mg/kg	1	06/24/2014 10:23
7782-49-2	Selenium	ND	U	mg/kg	1	06/24/2014 10:23
7440-28-0	Thallium	2.1		mg/kg	1	06/24/2014 10:23

FORM II INORGANIC-1
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Pace Analytical - Indiana SDG No. : 5099627 Contract: Sibley - Accucast

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 08:58			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	1020	101.5	90-110
Arsenic	1000	1010	101.1	90-110	1000	1000	100.5	1000	1010	101.0	90-110
Chromium	1000	988	98.8	90-110	1000	971	97.1	1000	977	97.7	90-110
Cobalt	1000	992	99.2	90-110	1000	990	99.0	1000	994	99.4	90-110
Iron	10000	9990	99.9	90-110	10000	9880	98.8	10000	10000	100.3	90-110
Lead	1000	992	99.2	90-110	1000	979	97.9	1000	985	98.5	90-110
Selenium	1000	990	99.0	90-110	1000	986	98.6	1000	988	98.8	90-110
Thallium	1000	986	98.6	90-110	1000	984	98.4	1000	987	98.7	90-110

FORM II INORGANIC-2
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Pace Analytical - Indiana SDG No. : 5099627 Contract: Sibley - Accucast

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 09:25			06/24/2014 09:50			06/24/2014 10:17			
	True	Found	%R	True	Found	%R	True	Found	%R	
Antimony	1000	1010	101.4	1000	1020	102.4	1000	990	99.0	90-110
Arsenic	1000	1020	102.1	1000	1030	102.7	1000	998	99.8	90-110
Chromium	1000	981	98.1	1000	990	99.0	1000	949	94.9	90-110
Cobalt	1000	994	99.4	1000	1010	100.6	1000	972	97.2	90-110
Iron	10000	10300	102.6	10000	10200	102.1	10000	9950	99.5	90-110
Lead	1000	995	99.5	1000	1010	100.6	1000	971	97.1	90-110
Selenium	1000	999	99.9	1000	1010	100.6	1000	974	97.4	90-110
Thallium	1000	989	98.9	1000	999	99.9	1000	967	96.7	90-110

FORM II INORGANIC-3
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Pace Analytical - Indiana SDG No. : 5099627 Contract: Sibley - Accucast

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			
	True	Found	%R	True	Found	%R	
Antimony	1000	1000	100.2	1000	1010	100.9	90-110
Arsenic	1000	1000	100.2	1000	1020	101.5	90-110
Chromium	1000	973	97.3	1000	976	97.6	90-110
Cobalt	1000	980	98.0	1000	987	98.7	90-110
Iron	10000	9980	99.8	10000	10000	100.0	90-110
Lead	1000	972	97.2	1000	994	99.4	90-110
Selenium	1000	977	97.7	1000	1000	100.0	90-110
Thallium	1000	976	97.6	1000	980	98.0	90-110

FORM II INORGANIC-1
CRDL CHECK STANDARD

Lab Name: Pace Analytical - Indiana SDG No. : 5099627 Contract: Sibley - Accucast

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. : 5099627 Contract: Sibley - Accucast

CRDL Check Standard Source: 71132 Analysis Date/Time: 06/24/2014 09:02

Concentration Units: ug/L

Analyte	CRDL Check Standard			
	True	Found	%R	Control Limit %R
Antimony	6.0	6.5	108.7	50-150
Arsenic	10.0	11.0	110.0	50-150
Chromium	10.0	6.7	66.6	50-150
Cobalt	10.0	10.5	104.6	50-150
Iron	100	126	125.6	50-150
Lead	10.0	8.6	86.0	50-150
Selenium	10.0	11.1	111.3	50-150
Thallium	10.0	9.7	97.2	50-150

FORM II INORGANIC-1
CRDL CHECK STANDARD

Lab Name: Pace Analytical - Indiana SDG No. : 5099627 Contract: Sibley - Accucast

CRDL Check Standard Source: 71132 Analysis Date/Time: 06/24/2014 09:54

Concentration Units: ug/L

Analyte	CRDL Check Standard			
	True	Found	%R	Control Limit %R
Antimony	6.0	7.0	116.0	50-150
Arsenic	10.0	10.6	106.0	50-150
Chromium	10.0	9.9	99.5	50-150
Cobalt	10.0	10	99.8	50-150
Iron	100	124	123.9	50-150
Lead	10.0	10.7	107.1	50-150
Selenium	10.0	10.4	103.5	50-150
Thallium	10.0	9.7	96.8	50-150

FORM II INORGANIC-1
CRDL CHECK STANDARD

Lab Name: Pace Analytical - Indiana SDG No. : 5099627 Contract: Sibley - Accucast

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 III INORGANIC-1
BLANKS

Lab Name: Pace Analytical - Indiana SDG No. : 5099627 Contract : Sibley - Accucast

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 09:00	C	06/24/2014 09:27	C	1115641	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. : 5099627 Contract : Sibley - Accucast

Method Blank Matrix: _____ Instrument ID: 50ICP3

Method Blank Concentration Units: _____

Analyte	Initial Calibration Blank		Continuing Calibration Blank (ug/L)					
		C	06/24/2014 09:52	C	06/24/2014 10:19	C	06/24/2014 10:43	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-3

BLANKS

Lab Name: Pace Analytical - Indiana SDG No. : 5099627 Contract : Sibley - Accucast

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		C		C
Antimony			4.0	U				
Arsenic			5.0	U				
Chromium			5.0	U				
Cobalt			25.0	U				
Iron			50.0	U				
Lead			4.0	U				
Selenium			5.0	U				
Thallium			25.0	U				

FORM IV INORGANIC-1
INTERFERENCE CHECK SAMPLE

Lab Name: Pace Analytical - Indiana SDG No. : 5099627 Contract: Sibley - Accucast

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.

1115643MS

Lab Name: Pace Analytical - Indiana SDG No. : 5099627 Contract: Sibley - Accucast

Matrix: Solid Basis: Dry Parent Sample ID: P-8 (6-8)

Percent Moisture: 9.9

Analyte	Units	Control Limit %R	Spiked Sample Result (SSR)	Sample Result (SR)	Spike Added (SA)	%R
Antimony	mg/kg	75-125	33.3	ND	52.3	64*
Arsenic	mg/kg	75-125	56.1	2.9	52.3	102
Chromium	mg/kg	75-125	53.1	10.1	52.3	82
Cobalt	mg/kg	75-125	51.0	2.6	52.3	93
Iron	mg/kg	75-125	9280	10900	523	-319*
Lead	mg/kg	75-125	61.5	10.7	52.3	97
Selenium	mg/kg	75-125	50.1	ND	52.3	96
Thallium	mg/kg	75-125	51.1	2.2	52.3	93

* Spike Recovery outside QC Limits

FORM V INORGANIC-2
MATRIX SPIKE SAMPLE RECOVERY

SAMPLE NO.

1115644MSD

Lab Name: Pace Analytical - Indiana SDG No. : 5099627 Contract: Sibley - Accucast

Matrix: Solid Basis: Dry Parent Sample ID: P-8 (6-8)

Percent Moisture: 9.9

Analyte	Units	Control Limit %R	Spiked Sample Result (SSR)	Sample Result (SR)	Spike Added (SA)	%R
Antimony	mg/kg	75-125	27.7	ND	50.1	55*
Arsenic	mg/kg	75-125	54.1	2.9	50.1	102
Chromium	mg/kg	75-125	55.0	10.1	50.1	90
Cobalt	mg/kg	75-125	50.4	2.6	50.1	95
Iron	mg/kg	75-125	10100	10900	501	-169*
Lead	mg/kg	75-125	57.6	10.7	50.1	94
Selenium	mg/kg	75-125	48.8	ND	50.1	97
Thallium	mg/kg	75-125	51.3	2.2	50.1	98

* Spike Recovery outside QC Limits

FORM V INORGANIC-1
POST-DIGESTION SPIKE SAMPLE RECOVERY

SAMPLE NO.

1116284PDS

Lab Name: Pace Analytical - Indiana SDG No. : 5099627 Contract: Sibley - Accucast

Matrix: Solid Parent Sample ID: P-8 (6-8)

Analyte	Units	Control Limit %R	DF	Spiked Sample Result (SSR)	DF	Sample Result (SR)	Spike Added (SA)	%R
Antimony	ug/L	75-125	1	981	1	10.0U	1000	98.1
Arsenic	ug/L	75-125	1	1050	1	59.4	1000	98.8
Chromium	ug/L	75-125	1	1070	1	206	1000	86.2
Cobalt	ug/L	75-125	1	958	1	53.6	1000	90.5
Iron	ug/L	75-125	1	226000	1	222000	10000	34.0*
Lead	ug/L	75-125	1	1130	1	217	1000	90.9
Selenium	ug/L	75-125	1	978	1	10.0U	1000	97.8
Thallium	ug/L	75-125	1	962	1	45.4	1000	91.6

FORM VI INORGANIC-1
DUPLICATES

SAMPLE NO.

1115644MSD

Lab Name: Pace Analytical - Indiana SDG No. : 5099627 Contract: Sibley - Accucast

Matrix: Solid Concentration Units: mg/kg

Percent Moisture: 9.9 Basis: Dry

Analyte	Control Limit	Sample	Duplicate	RPD
Antimony	20	33.3	27.7	19
Arsenic	20	56.1	54.1	4
Chromium	20	53.1	55.0	4
Cobalt	20	51.0	50.4	1
Iron	20	9280	10100	8
Lead	20	61.5	57.6	6
Selenium	20	50.1	48.8	3
Thallium	20	51.1	51.3	0

FORM VII INORGANIC-1
LABORATORY CONTROL SAMPLE

SAMPLE NO.

1115642LCS

Lab Name: Pace Analytical - Indiana SDG No. : 5099627 Contract: Sibley - Accucast

Matrix: Solid

Analyte	Units	True	Found	%R	Limits	
Antimony	mg/kg	50.0	52.2	104	80	120
Arsenic	mg/kg	50.0	52.6	105	80	120
Chromium	mg/kg	50.0	50.9	102	80	120
Cobalt	mg/kg	50.0	51.8	104	80	120
Iron	mg/kg	500	520	104	80	120
Lead	mg/kg	50.0	51.6	103	80	120
Selenium	mg/kg	50.0	50.8	102	80	120
Thallium	mg/kg	50.0	51.2	102	80	120

FORM VIII INORGANIC-1
SERIAL DILUTIONS

1116285SD

Lab Name: Pace Analytical - Indiana SDG No. : 5099627 Contract: Sibley - AccucastMatrix: Solid Parent Sample ID: P-8 (6-8)

Analyte	Units	Initial Sample Result	Serial Dilution Result	% Difference	Control Limit %D
Antimony	ug/L	10.0U	50.0U		10
Arsenic	ug/L	59.4	72.9J	22.8*	10
Chromium	ug/L	206	206	0.2	10
Cobalt	ug/L	53.6	58.6J	9.4	10
Iron	ug/L	222000	245000	10.1*	10
Lead	ug/L	217	223	2.8	10
Selenium	ug/L	10.0U	50.0U		10
Thallium	ug/L	45.4	54.7J	20.4*	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. : 5099627 Contract: Sibley - Accucast

Instrument ID: 50ICP3 Analysis Method: EPA 6010

Start Date: 06/24/2014 07:42 End Date: 06/24/2014 11:12

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
6889847CCV	6889847CCV	1	06/24/2014	08:58	X	X	X	X	X	X	X	X
6889848CCB	6889848CCB	1	06/24/2014	09:00	X	X	X	X	X	X	X	X
6889849CRDL	6889849CRDL	1	06/24/2014	09:02	X	X	X	X	X	X	X	X
1115641BLANK	1115641	1	06/24/2014	09:19	X	X	X	X	X	X	X	X
1115642LCS	1115642	1	06/24/2014	09:21	X	X	X	X	X	X	X	X
6889850CCV	6889850CCV	1	06/24/2014	09:25	X	X	X	X	X	X	X	X
6889851CCB	6889851CCB	1	06/24/2014	09:27	X	X	X	X	X	X	X	X
P-8 (6-8)	5099627001	1	06/24/2014	09:31	X	X	X	X	X	X	X	X
1115643MS	1115643	1	06/24/2014	09:33	X	X	X	X	X	X	X	X
1115644MSD	1115644	1	06/24/2014	09:35	X	X	X	X	X	X	X	X
1116284PDS	1116284	1	06/24/2014	09:37	X	X	X	X	X	X	X	X
1116285SD	1116285	1	06/24/2014	09:39	X	X	X	X	X	X	X	X
TMW-7 (8-10)	5099627002	1	06/24/2014	09:41	X	X	X	X	X	X	X	X
P-8 (16-18)	5099627003	1	06/24/2014	09:44	X	X	X	X	X	X	X	X
P-4 (16-18)	5099627004	1	06/24/2014	09:46	X	X	X	X	X	X	X	X
TMW-9 (3-5)	5099627005	1	06/24/2014	09:48	X	X	X	X	X	X	X	X
6889863CCV	6889863CCV	1	06/24/2014	09:50	X	X	X	X	X	X	X	X
6889864CCB	6889864CCB	1	06/24/2014	09:52	X	X	X	X	X	X	X	X
6889865CRDL	6889865CRDL	1	06/24/2014	09:54	X	X	X	X	X	X	X	X
TMW-3 (15-16)	5099627006	1	06/24/2014	09:56	X	X	X	X	X	X	X	X
TMW-9 (16-18)	5099627007	1	06/24/2014	09:58	X	X	X	X	X	X	X	X
P-7 (13-15)	5099627008	1	06/24/2014	10:00	X	X	X	X	X	X	X	X
P-3 (16-18)	5099627009	1	06/24/2014	10:02	X	X	X	X	X	X	X	X
TMW-7 (14-16)	5099627010	1	06/24/2014	10:04	X	X	X	X	X	X	X	X
P-4 (5-7)	5099627011	1	06/24/2014	10:06	X	X	X	X	X	X	X	X
P-7 (5-7)	5099627012	1	06/24/2014	10:09	X	X	X	X	X	X	X	X
TMW-3 (8-9)	5099627014	1	06/24/2014	10:11	X	X	X	X	X	X	X	X
P-9 (2-4)	5099627015	1	06/24/2014	10:13	X	X	X	X	X	X	X	X
P-3 (8-10)	5099627016	1	06/24/2014	10:15	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
P-9 (13-15)	5099627017	1	06/24/2014	10:21	X	X	X	X	X	X	X	X

07/17/2014 09:26

FORM XIII INORGANIC-2
ANALYSIS RUN LOG

Lab Name: Pace Analytical - Indiana SDG No. : 5099627 Contract: Sibley - Accucast

Instrument ID: 50ICP3 Analysis Method: EPA 6010

Start Date: 06/24/2014 07:42 End Date: 06/24/2014 11:12

Sample Name	Lab Sample ID	D/F	Date	Time	As	Co	Cr	Fe	Pb	Sb	Se	Tl
Surf-Dupe	5099627018	1	06/24/2014	10:23	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
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

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 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	258.8	505500.	550.8	542.8	529.4	506.7
%RSD	2.0	1143.	8.2	1.0	2.0	.2
	.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 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	466000.	555.0	508.4	494.8	530.8	197600.
%RSD	485.	1.9	1.1	1.6	5.1	39.
	.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	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	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	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	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	-5.302	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	-6.920	-5.069	8.351	-0.0900	-1.318
#2	23.02	11.75	-5.534	9.625	.4643	-9.779
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 8:58:42 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	480.4	9806.	1010.	1012.	984.4	988.3
Stddev	.8	33.	3.	4.	2.1	4.1
%RSD	.1655	.3403	.3402	.4136	.2148	.4137
#1	479.9	9830.	1008.	1015.	985.9	985.4
#2	481.0	9783.	1012.	1009.	982.9	991.2
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	9836.	994.3	993.8	977.3	960.8	10030.
Stddev	38.	1.5	1.1	6.1	1.1	16.
%RSD	.3846	.1499	.1113	.6226	.1195	.1628
#1	9863.	995.4	994.6	973.0	960.0	10020.
#2	9810.	993.3	993.0	981.6	961.6	10050.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 6/24/2014 8:58:42 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	9676.	10010.	995.9	1026.	978.0	984.9
Stddev	23.	44.	2.3	4.	2.1	3.0
%RSD	.2409	.4402	.2273	.4261	.2185	.3020
#1	9660.	10040.	997.5	1029.	979.5	987.0
#2	9692.	9977.	994.3	1023.	976.5	982.8
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	1015.	988.5	4606.	1011.	1015.	986.8
Stddev	2.	4.7	4.	.	1.	1.6
%RSD	.1511	.4726	.0880	.0186	.0741	.1644
#1	1016.	991.8	4609.	1011.	1016.	988.0
#2	1014.	985.2	4604.	1011.	1015.	985.7
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 6/24/2014 8:58:42 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.	988.0	9677.	971.2	1026.
Stddev	4.	.2	36.	1.4	.
%RSD	.3560	.0246	.3745	.1482	.0402

#1	1026.	988.2	9652.	972.2	1026.
#2	1021.	987.8	9703.	970.1	1026.

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	6366.5	47827.	13333.
Stddev	11.9	195.	10.
%RSD	.18708	.40841	.07410

#1	6358.1	47688.	13340.
#2	6374.9	47965.	13326.

Sample Name: CCB Acquired: 6/24/2014 9:00:35 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	-2.466	-2.405	.2551	2.141	.0720	.0428
Stddev	1.481	5.399	1.854	2.029	.0949	.0051
%RSD	60.04	224.5	726.6	94.73	131.8	11.97
#1	-3.513	1.413	-1.056	3.576	.0049	.0392
#2	-1.419	-6.222	1.566	.7070	.1392	.0465
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	-3.372	.0528	.2275	1.851	3.374	24.84
Stddev	1.461	.1865	.5107	1.541	4.203	3.21
%RSD	43.32	353.4	224.5	83.24	124.6	12.93
#1	-4.405	.1846	-.1337	2.941	6.347	27.11
#2	-2.339	-.0791	.5886	.7616	.4024	22.57
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 6/24/2014 9:00:35 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	42.83	.9655	-.4031	7.739	-.1899	.4569
Stddev	9.56	.3453	.0248	.957	.0746	1.398
%RSD	22.31	35.76	6.141	12.37	39.29	306.0
#1	36.07	1.210	-.4206	7.062	-.2427	-.5317
#2	49.58	.7214	-.3856	8.416	-.1372	1.446
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	2.438	.8119	3.003	2.971	1.127	1.348
Stddev	.406	.2391	4.419	.448	.045	.977
%RSD	16.64	29.45	147.1	15.07	4.018	72.48
#1	2.151	.9810	6.128	2.655	1.159	.6571
#2	2.725	.6428	-.1216	3.288	1.095	2.039
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 6/24/2014 9:00:35 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	.8710	-1.256	18.44	.0832	-.4970
Stddev	1.076	.090	2.02	.0701	.7947
%RSD	123.5	7.141	10.95	84.21	159.9

#1	.1104	-1.192	19.87	.0337	.0649
#2	1.631	-1.319	17.01	.1328	-1.059

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	6453.3	48480.	13522.
Stddev	13.2	38.	45.
%RSD	.20461	.07737	.33631

#1	6443.9	48507.	13490.
#2	6462.6	48454.	13554.

Sample Name: CRDL Acquired: 6/24/2014 9:02:42 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	9.030	205.3	11.00	113.1	10.42	4.185
Stddev	3.326	1.1	.51	2.1	.06	.155
%RSD	36.83	.5486	4.648	1.856	.5403	3.701
#1	11.38	204.5	11.36	111.6	10.46	4.295
#2	6.678	206.1	10.64	114.6	10.38	4.076
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	1102.	2.186	10.46	6.663	13.56	125.6
Stddev	7.	.006	.17	5.789	1.16	3.2
%RSD	.6164	.2979	1.579	86.89	8.516	2.555
#1	1097.	2.182	10.34	10.76	14.38	127.8
#2	1107.	2.191	10.58	2.569	12.75	123.3
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CRDL Acquired: 6/24/2014 9:02:42 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	1121.	1095.	11.05	11.59	10.11	8.599
Stddev	20.	3.	.06	.21	.05	.809
%RSD	1.774	.2464	.5071	1.800	.5354	9.411
#1	1107.	1093.	11.01	11.44	10.07	8.027
#2	1135.	1097.	11.09	11.74	10.15	9.171
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	6.520	11.13	200.5	12.95	10.59	9.720
Stddev	.796	.38	.2	.58	.07	1.075
%RSD	12.20	3.396	.1233	4.453	.7070	11.06
#1	7.083	10.86	200.3	12.54	10.65	8.960
#2	5.958	11.39	200.7	13.36	10.54	10.48
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CRDL Acquired: 6/24/2014 9:02:42 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	11.60	21.40	1115.	10.04	1150.
Stddev	.25	.10	3.	.08	5.
%RSD	2.140	.4649	.2271	.7846	.4454
#1	11.43	21.47	1117.	10.10	1147.
#2	11.78	21.33	1113.	9.985	1154.

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	6438.8	48665.	13444.
Stddev	2.9	123.	68.
%RSD	.04474	.25232	.50922
#1	6436.8	48578.	13396.
#2	6440.8	48752.	13493.

Sample Name: 1115641_15863 Acquired: 6/24/2014 9:19:26 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	-5937	77.20	.4492	2.243	.4062	.0581
Stddev	.1458	1.41	.0267	.300	.1641	.0266
%RSD	24.56	1.823	5.943	13.39	40.41	45.78
#1	-6968	78.19	.4304	2.456	.2901	.0393
#2	-4906	76.20	.4681	2.031	.5223	.0769
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	151.6	.2613	.0118	3.499	4.793	221.9
Stddev	2.7	.0543	.2043	1.977	4.801	21.3
%RSD	1.762	20.77	1729.	56.49	100.2	9.607
#1	153.5	.2997	.1563	2.102	8.188	206.8
#2	149.7	.2229	-.1326	4.897	1.398	236.9
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 1115641_15863 Acquired: 6/24/2014 9:19:26 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	120.9	63.53	5.986	.3728	.5950	-1.299
Stddev	11.3	.47	.154	.2305	.1405	1.018
%RSD	9.310	.7369	2.575	61.84	23.61	78.41
#1	112.9	63.20	6.095	.5358	.6943	-.5787
#2	128.8	63.87	5.877	.2098	.4956	-2.019
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	1.171	1.081	67.98	40.69	2.181	-2.103
Stddev	.153	1.060	.89	.60	.275	.690
%RSD	13.09	98.03	1.304	1.472	12.60	32.80
#1	1.062	1.831	68.61	40.26	1.986	-2.590
#2	1.279	.3317	67.36	41.11	2.375	-1.615
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 1115641_15863 Acquired: 6/24/2014 9:19:26 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	.9551	13.31	56.68	.2273	28.75
Stddev	1.002	.11	.27	.0302	.86
%RSD	104.9	.8437	.4772	13.29	2.995

#1	.2468	13.23	56.49	.2486	28.14
#2	1.663	13.39	56.87	.2059	29.36

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	6332.1	47636.	13410.
Stddev	8.1	21.	70.
%RSD	.12803	.04400	.52078

#1	6326.4	47651.	13361.
#2	6337.9	47621.	13460.

Sample Name: 1115642_15863 Acquired: 6/24/2014 9:21:33 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	495.1	10310.	1051.	1026.	1043.	1034.
Stddev	.9	33.	2.	4.	1.	.
%RSD	.1763	.3248	.2060	.3738	.0586	.0222
#1	495.8	10330.	1053.	1029.	1043.	1034.
#2	494.5	10290.	1050.	1024.	1043.	1034.
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	10350.	1027.	1036.	1018.	1020.	10390.
Stddev	16.	.	.	3.	2.	17.
%RSD	.1515	.0377	.0148	.2494	.1823	.1650
#1	10340.	1027.	1036.	1017.	1022.	10400.
#2	10360.	1027.	1036.	1020.	1019.	10380.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 1115642_15863 Acquired: 6/24/2014 9:21:33 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	10190.	10540.	1043.	1079.	1023.	1033.
Stddev	6.	5.	.	5.	1.	3.
%RSD	.0568	.0438	.0076	.4314	.0678	.3341
#1	10190.	10550.	1043.	1083.	1024.	1030.
#2	10190.	10540.	1043.	1076.	1023.	1035.
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	1045.	1015.	3669.	1069.	1059.	1024.
Stddev	3.	3.	6.	.	1.	1.
%RSD	.2716	.3055	.1594	.0175	.0943	.0902
#1	1047.	1013.	3665.	1069.	1060.	1025.
#2	1043.	1017.	3673.	1070.	1058.	1023.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 1115642_15863 Acquired: 6/24/2014 9:21:33 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	1071.	1019.	10240.	1029.	1085.
Stddev	1.	2.	27.	.	.
%RSD	.0902	.2214	.2665	.0133	.0323

#1	1071.	1017.	10260.	1029.	1085.
#2	1072.	1021.	10220.	1030.	1085.

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	47597.	13389.
Stddev	4.2	157.	71.
%RSD	.06724	.32924	.53160

#1	6303.9	47486.	13339.
#2	6309.9	47708.	13439.

Sample Name: CCV Acquired: 6/24/2014 9:25:35 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	481.6	9947.	1021.	1022.	995.2	979.8
Stddev	.5	30.	5.	3.	.2	2.3
%RSD	.1070	.3013	.4426	.2992	.0247	.2307
#1	482.0	9968.	1018.	1019.	995.3	978.2
#2	481.3	9926.	1024.	1024.	995.0	981.4
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	10010.	993.6	993.6	980.7	970.5	10260.
Stddev	66.	.9	1.9	7.9	2.0	5.
%RSD	.6581	.0888	.1892	.8013	.2062	.0516
#1	10050.	994.2	994.9	986.2	969.1	10260.
#2	9960.	993.0	992.2	975.1	971.9	10270.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 6/24/2014 9:25:35 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	9702.	10050.	1007.	1038.	982.0	994.9
Stddev	45.	31.	3.	2.	1.9	3.2
%RSD	.4657	.3129	.2666	.1773	.1886	.3192

#1	9670.	10070.	1008.	1040.	983.3	997.1
#2	9734.	10030.	1005.	1037.	980.7	992.6

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	1014.	999.1	4686.	1012.	1019.	989.0
Stddev	2.	2.2	16.	1.	1.	1.1
%RSD	.2109	.2163	.3346	.0524	.1442	.1104

#1	1015.	997.6	4697.	1012.	1020.	989.8
#2	1012.	1001.	4675.	1012.	1018.	988.3

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 6/24/2014 9:25:35 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	1038.	981.6	9789.	981.8	1021.
Stddev	2.	.3	15.	.5	2.
%RSD	.1918	.0343	.1576	.0472	.1705

#1	1039.	981.3	9778.	981.4	1022.
#2	1036.	981.8	9800.	982.1	1019.

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	6357.1	47446.	13294.
Stddev	13.4	227.	79.
%RSD	.21019	.47865	.59114

#1	6347.6	47286.	13239.
#2	6366.5	47607.	13350.

Sample Name: CCB Acquired: 6/24/2014 9:27:28 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	-1.027	7.094	1.569	2.172	.0278	.1210
Stddev	.882	2.076	2.513	1.426	.2368	.0742
%RSD	85.91	29.26	160.2	65.64	852.7	61.36
#1	-4.031	8.562	3.346	1.164	.1952	.1735
#2	-1.651	5.626	-2.078	3.180	-.1397	.0685
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	-8.369	.0931	.2143	-.1986	1.555	44.50
Stddev	1.119	.0959	.0983	3.202	.660	10.46
%RSD	13.37	103.0	45.85	1612.	42.48	23.51
#1	-9.161	.0253	.1449	2.065	2.022	37.10
#2	-7.578	.1609	.2838	-2.463	1.088	51.90
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 6/24/2014 9:27:28 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	52.93	.3841	-.1737	F 10.19	-.0921	.1187
Stddev	9.90	.9411	.0277	1.14	.1490	.5976
%RSD	18.70	245.0	15.96	11.20	161.7	503.4
#1	59.93	-.2814	-.1934	9.380	.0132	.5413
#2	45.93	1.049	-.1541	10.99	-.1975	-.3039
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit				10.00		
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	3.286	1.377	5.551	3.207	1.502	.5289
Stddev	.032	2.350	1.588	.212	.234	.8572
%RSD	.9683	170.7	28.61	6.626	15.55	162.1
#1	3.309	3.038	4.428	3.057	1.337	-.0773
#2	3.264	-.2850	6.675	3.357	1.667	1.135
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 6/24/2014 9:27:28 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	1.474	-1.403	19.06	-.0017	-2.702
Stddev	.442	.029	2.52	.0251	.706
%RSD	30.00	2.039	13.24	1434.	26.12

#1	1.787	-1.383	17.27	.0160	-2.203
#2	1.162	-1.423	20.84	-.0195	-3.202

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	6428.3	48001.	13260.
Stddev	.3	87.	88.
%RSD	.00457	.18110	.66668

#1	6428.5	47940.	13198.
#2	6428.1	48063.	13323.

Sample Name: 5099627001_15863 Acquired: 6/24/2014 9:31:40 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	-2.739	64340.	59.37	74.83	289.6	2.369
Stddev	.976	50.	1.43	.92	.9	.018
%RSD	35.63	.0771	2.407	1.229	.3271	.7365
#1	-2.049	64380.	60.38	74.18	288.9	2.382
#2	-3.429	64310.	58.36	75.49	290.3	2.357
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 789400.	1.117	53.60	205.6	180.6	222400.
Stddev	6924.	.051	.16	1.5	.8	104.
%RSD	.8770	4.610	.3010	.7316	.4176	.0466
#1	784500.	1.080	53.72	206.7	181.1	222300.
#2	794300.	1.153	53.49	204.6	180.1	222400.
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	200000.					
Low Limit	-1000.					

Sample Name: 5099627001_15863 Acquired: 6/24/2014 9:31:40 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	9813.	470100.	8182.	33.07	138.6	216.6
Stddev	32.	934.	3.	.24	.7	1.6
%RSD	.3276	.1987	.0400	.7204	.5266	.7366
#1	9790.	469400.	8179.	32.90	138.1	217.7
#2	9835.	470800.	8184.	33.24	139.1	215.4
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	.3461	-5.378	7509.	41.11	2271.	45.44
Stddev	.8581	1.963	23.	.46	1.	1.73
%RSD	247.9	36.50	.2998	1.120	.0382	3.800
#1	.9529	-6.766	7493.	41.43	2270.	44.22
#2	-.2606	-3.990	7525.	40.78	2272.	46.66
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 5099627001_15863 Acquired: 6/24/2014 9:31:40 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	198.1	440.4	2084.	389.6	7373.
Stddev	2.0	1.0	11.	.5	12.
%RSD	.9902	.2302	.5450	.1218	.1589
#1	196.7	439.7	2076.	390.0	7365.
#2	199.5	441.1	2092.	389.3	7381.

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	6026.5	47319.	13507.
Stddev	12.6	112.	21.
%RSD	.20974	.23620	.15501
#1	6017.5	47398.	13492.
#2	6035.4	47240.	13522.

Sample Name: 1115643_15863 Acquired: 6/24/2014 9:33:46 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	469.3	80430.	1073.	1104.	1267.	922.8
Stddev	1.0	104.	3.	3.	.	1.4
%RSD	.2083	.1295	.3132	.2279	.0040	.1463
#1	470.0	80500.	1075.	1106.	1267.	921.9
#2	468.6	80360.	1071.	1102.	1267.	923.8
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	F 1012000.	1026.	976.3	1015.	1150.	177500.
Stddev	3210.	2.	1.9	2.	2.	107.
%RSD	.3171	.1574	.1991	.2387	.1739	.0601
#1	1010000.	1027.	977.7	1017.	1151.	177400.
#2	1015000.	1024.	974.9	1013.	1148.	177600.
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	200000.					
Low Limit	-1000.					

Sample Name: 1115643_15863 Acquired: 6/24/2014 9:33:46 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	22390.	F 620300.	7892.	979.0	1022.	1176.
Stddev	9.	1125.	.	6.2	2.	2.
%RSD	.0408	.1814	.0016	.6368	.1940	.1279

#1	22390.	619500.	7892.	983.4	1024.	1175.
#2	22380.	621100.	7892.	974.6	1021.	1177.

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	637.3	957.5	7880.	969.6	3829.	977.5
Stddev	2.1	.1	9.	1.6	4.	4.7
%RSD	.3266	.0108	.1134	.1662	.1125	.4840

#1	638.8	957.6	7886.	970.7	3832.	980.8
#2	635.9	957.5	7874.	968.5	3826.	974.1

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 1115643_15863 Acquired: 6/24/2014 9:33:46 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	1144.	1378.	12320.	1399.	5851.
Stddev	1.	1.	20.	.	3.
%RSD	.1048	.0451	.1622	.0239	.0446
#1	1144.	1378.	12340.	1399.	5853.
#2	1145.	1378.	12310.	1399.	5849.
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	5807.8	46106.	13058.
Stddev	10.5	50.	65.
%RSD	.18053	.10773	.49736
#1	5800.3	46071.	13012.
#2	5815.2	46141.	13104.

Sample Name: 1115644_15863 Acquired: 6/24/2014 9:35:51 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	464.6	103700.	1080.	1074.	1300.	933.7
%RSD	.1	417.	.	3.	3.	3.5
	.0219	.4023	.0054	.3172	.2304	.3739
#1	464.6	103400.	1080.	1072.	1298.	931.2
#2	464.5	104000.	1080.	1076.	1302.	936.2
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 785500.	1026.	1005.	1098.	1220.	201600.
%RSD	8669.	1.	2.	6.	13.	1055.
	1.104	.0614	.1546	.5327	1.069	.5233
#1	779300.	1027.	1006.	1094.	1211.	200900.
#2	791600.	1026.	1004.	1102.	1229.	202400.
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	200000.					
Low Limit	-1000.					

Sample Name: 1115644_15863 Acquired: 6/24/2014 9:35:51 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	26570.	F 514400.	8412.	994.3	1086.	1150.
Stddev	107.	2360.	40.	2.6	2.	1.
%RSD	.4038	.4589	.4729	.2659	.1520	.0838
#1	26490.	512700.	8384.	996.2	1087.	1149.
#2	26640.	516100.	8440.	992.5	1085.	1151.
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	552.0	974.1	8733.	981.9	5339.	1024.
Stddev	.3	2.9	49.	1.0	16.	5.
%RSD	.0634	.2945	.5649	.1011	.3001	.4461
#1	551.7	972.1	8698.	982.6	5328.	1027.
#2	552.2	976.1	8768.	981.2	5351.	1021.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 1115644_15863 Acquired: 6/24/2014 9:35:51 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	1193.	1458.	12280.	1302.	6311.
Stddev	10.	1.	34.	3.	6.
%RSD	.8186	.0844	.2804	.2457	.0937

#1	1186.	1457.	12260.	1300.	6306.
#2	1199.	1459.	12300.	1305.	6315.

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	5927.6	46784.	13305.
Stddev	14.0	230.	19.
%RSD	.23555	.49241	.14220

#1	5917.8	46947.	13292.
#2	5937.5	46621.	13318.

Sample Name: 1116284_15863 Acquired: 6/24/2014 9:37:51 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	422.5	73270.	1047.	1079.	1212.	896.1
%RSD	7.2	22.	.	2.	1.	3.1
	1.692	.0302	.0159	.2110	.1123	.3490
#1	417.5	73250.	1047.	1081.	1213.	898.3
#2	427.6	73280.	1047.	1077.	1211.	893.9
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 778400.	990.7	958.2	1068.	1098.	225800.
%RSD	158.	.5	.2	9.	8.	133.
	.0203	.0478	.0234	.8483	.7117	.0591
#1	778500.	991.1	958.0	1074.	1092.	225900.
#2	778200.	990.4	958.3	1061.	1104.	225700.
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	200000.					
Low Limit	-1000.					

Sample Name: 1116284_15863 Acquired: 6/24/2014 9:37:51 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	19230.	469600.	8837.	1010.	1017.	1126.
Stddev	34.	203.	8.	2.	2.	.
%RSD	.1793	.0431	.0958	.2287	.1947	.0329
#1	19250.	469800.	8843.	1011.	1016.	1127.
#2	19200.	469500.	8831.	1008.	1019.	1126.
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	980.8	977.7	12180.	979.2	3193.	961.6
Stddev	1.5	3.9	61.	1.6	6.	.1
%RSD	.1505	.3945	.5012	.1661	.1806	.0081
#1	979.8	975.0	12220.	978.1	3198.	961.6
#2	981.9	980.5	12130.	980.4	3189.	961.7
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 1116284_15863 Acquired: 6/24/2014 9:37:51 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	1141.	1268.	11690.	1293.	8257.
Stddev	3.	1.	23.	1.	12.
%RSD	.2369	.0828	.1930	.0612	.1454

#1	1143.	1268.	11710.	1294.	8249.
#2	1139.	1267.	11680.	1293.	8266.

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	6006.9	47188.	13473.
Stddev	.7	196.	1.
%RSD	.01099	.41484	.01033

#1	6006.4	47050.	13474.
#2	6007.3	47327.	13472.

Sample Name: 1116285_15863 Acquired: 6/24/2014 9:39:50 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	.2430	12550.	14.58	19.05	61.64	.6078
Stddev	.0640	49.	3.35	1.80	.25	.0445
%RSD	26.35	.3903	22.94	9.455	.3992	7.314
#1	.1978	12580.	16.95	20.32	61.82	.6392
#2	.2883	12510.	12.22	17.78	61.47	.5764
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	189300.	.4968	11.73	41.19	39.65	48970.
Stddev	51.	.0114	.16	.68	1.94	119.
%RSD	.0268	2.295	1.398	1.662	4.887	.2436
#1	189300.	.5049	11.85	41.67	41.02	49060.
#2	189300.	.4888	11.62	40.71	38.28	48890.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 1116285_15863 Acquired: 6/24/2014 9:39:50 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	2048.	96050.	1796.	17.04	30.31	44.53
Stddev	13.	290.	4.	1.38	.34	1.57
%RSD	.6233	.3015	.2442	8.111	1.136	3.535
#1	2057.	96250.	1799.	16.06	30.56	45.64
#2	2039.	95840.	1793.	18.02	30.07	43.41
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	9.807	1.311	1596.	13.13	485.3	10.94
Stddev	2.955	.780	4.	.15	.0	.79
%RSD	30.13	59.45	.2642	1.156	.0097	7.201
#1	7.717	1.863	1593.	13.24	485.4	10.38
#2	11.90	.7602	1599.	13.02	485.3	11.49
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 1116285_15863 Acquired: 6/24/2014 9:39:50 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	59.86	99.04	447.1	81.76	1521.
Stddev	.13	.02	1.9	.24	5.
%RSD	.2248	.0220	.4167	.2901	.3170

#1	59.96	99.05	445.8	81.92	1525.
#2	59.77	99.02	448.4	81.59	1518.

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	6199.0	47388.	13278.
Stddev	16.7	117.	38.
%RSD	.27004	.24603	.28774

#1	6187.1	47306.	13251.
#2	6210.8	47471.	13305.

Sample Name: 5099627002_15863 Acquired: 6/24/2014 9:41:57 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	-1.076	20760.	27.82	27.49	65.10	.7882
Stddev	2.537	16.	1.28	.36	.20	.0155
%RSD	235.8	.0788	4.617	1.313	.3013	1.968

#1	.7177	20770.	26.91	27.75	65.24	.7772
#2	-2.870	20750.	28.72	27.23	64.96	.7991

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 420100.	.6984	25.49	37.79	55.30	51330.
Stddev	938.	.1072	.01	4.47	5.40	69.
%RSD	.2233	15.35	.0220	11.83	9.766	.1352

#1	419500.	.7742	25.50	34.63	59.12	51380.
#2	420800.	.6225	25.49	40.95	51.49	51280.

Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	200000.					
Low Limit	-1000.					

Sample Name: 5099627002_15863 Acquired: 6/24/2014 9:41:57 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	3347.	149700.	1515.	5.243	54.52	36.01
Stddev	41.	350.	1.	.193	.23	1.83
%RSD	1.226	.2339	.0697	3.674	.4189	5.069
#1	3318.	149900.	1516.	5.107	54.68	37.30
#2	3376.	149400.	1514.	5.379	54.36	34.72
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	2.714	-2.287	3129.	33.19	1201.	25.61
Stddev	1.099	2.779	22.	.08	3.	.66
%RSD	40.47	121.5	.6937	.2523	.2185	2.569
#1	3.491	-4.252	3144.	33.25	1203.	25.14
#2	1.938	-.3217	3114.	33.14	1199.	26.07
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 5099627002_15863 Acquired: 6/24/2014 9:41:57 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	87.14	174.8	1117.	214.2	1343.
Stddev	1.63	.3	4.	.5	3.
%RSD	1.874	.1767	.3969	.2175	.2566

#1	85.99	174.5	1120.	214.5	1345.
#2	88.30	175.0	1114.	213.9	1340.

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	6027.0	46677.	13183.
Stddev	20.5	113.	80.
%RSD	.33955	.24166	.60649

#1	6012.5	46597.	13127.
#2	6041.4	46756.	13240.

Sample Name: 5099627003_15863 Acquired: 6/24/2014 9:44:04 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	-2.335	25270.	42.21	36.28	86.10	.8087
Stddev	1.706	36.	.68	.70	.09	.0505
%RSD	73.06	.1427	1.605	1.923	.1004	6.242
#1	-1.129	25250.	41.73	35.78	86.16	.7730
#2	-3.541	25300.	42.68	36.77	86.04	.8444
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 699700.	.8482	30.79	63.51	73.69	72550.
Stddev	6275.	.0665	.13	2.24	2.87	42.
%RSD	.8969	7.836	.4142	3.527	3.895	.0578
#1	695300.	.8012	30.70	65.09	75.71	72520.
#2	704100.	.8951	30.88	61.92	71.66	72580.
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	200000.					
Low Limit	-1000.					

Sample Name: 5099627003_15863 Acquired: 6/24/2014 9:44:04 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	3778.	212500.	2374.	2.989	80.85	38.50
Stddev	49.	210.	5.	.125	.12	.14
%RSD	1.308	.0986	.2160	4.164	.1431	.3529
#1	3743.	212400.	2370.	2.901	80.77	38.41
#2	3813.	212700.	2378.	3.077	80.93	38.60
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	1.464	-1.885	3343.	31.04	1466.	31.22
Stddev	.974	1.509	12.	.01	1.	1.35
%RSD	66.50	80.07	.3495	.0246	.0750	4.316
#1	.7756	-2.953	3335.	31.05	1465.	32.17
#2	2.152	-8.179	3351.	31.04	1467.	30.27
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 5099627003_15863 Acquired: 6/24/2014 9:44:04 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	97.65	212.4	1948.	449.9	1566.
Stddev	.08	.6	4.	.1	2.
%RSD	.0802	.2648	.1909	.0239	.1204

#1	97.71	212.8	1950.	449.9	1568.
#2	97.60	212.0	1945.	449.8	1565.

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	5898.2	45946.	13012.
Stddev	8.4	69.	72.
%RSD	.14322	.15093	.55164

#1	5892.2	45897.	12961.
#2	5904.1	45995.	13063.

Sample Name: 5099627004_15863 Acquired: 6/24/2014 9:46:09 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	-4.166	21820.	28.35	24.27	57.43	.8044
Stddev	.408	21.	.83	1.06	.10	.0898
%RSD	9.793	.0984	2.924	4.372	.1694	11.16
#1	-4.455	21830.	27.76	25.02	57.50	.8679
#2	-3.878	21800.	28.93	23.52	57.36	.7410
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 549900.	.6617	22.40	49.32	45.99	61520.
Stddev	3288.	.0451	.13	.21	1.13	58.
%RSD	.5980	6.823	.5894	.4187	2.463	.0935
#1	547500.	.6936	22.31	49.17	45.19	61480.
#2	552200.	.6298	22.49	49.46	46.79	61560.
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	200000.					
Low Limit	-1000.					

Sample Name: 5099627004_15863 Acquired: 6/24/2014 9:46:09 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	2784.	148500.	1696.	1.477	56.49	24.48
Stddev	2.	22.	.	.076	.28	.66
%RSD	.0687	.0149	.0035	5.138	.4957	2.694
#1	2782.	148500.	1696.	1.530	56.69	24.94
#2	2785.	148500.	1696.	1.423	56.29	24.01
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	.8039	.2471	3039.	32.13	1334.	30.30
Stddev	.1071	.5232	4.	.41	.	.75
%RSD	13.32	211.8	.1341	1.268	.0004	2.482
#1	.8796	.6170	3036.	32.42	1334.	29.77
#2	.7282	-.1229	3042.	31.84	1334.	30.83
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 5099627004_15863 Acquired: 6/24/2014 9:46:09 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	91.22	160.1	850.3	367.0	1803.
Stddev	1.34	.5	.3	.3	3.
%RSD	1.464	.3075	.0311	.0914	.1460

#1	92.17	160.4	850.1	367.3	1805.
#2	90.28	159.7	850.4	366.8	1802.

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	5974.8	46393.	13083.
Stddev	5.3	21.	20.
%RSD	.08875	.04476	.15653

#1	5971.1	46408.	13098.
#2	5978.6	46378.	13069.

Sample Name: 5099627005_15863 Acquired: 6/24/2014 9:48:15 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	-1.168	27030.	43.57	30.49	82.76	.7774
Stddev	2.731	26.	1.78	.73	.25	.0052
%RSD	233.8	.0955	4.081	2.391	.3045	.6631

#1	.7629	27010.	42.31	31.00	82.94	.7810
#2	-3.099	27050.	44.82	29.97	82.58	.7737

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 601700.	.8039	29.80	54.11	86.70	76560.
Stddev	1125.	.0610	.09	2.92	4.18	30.
%RSD	.1869	7.584	.2856	5.395	4.826	.0391

#1	600900.	.7607	29.86	52.04	83.74	76540.
#2	602500.	.8470	29.74	56.17	89.66	76580.

Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	200000.					
Low Limit	-1000.					

Sample Name: 5099627005_15863 Acquired: 6/24/2014 9:48:15 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	3600.	187300.	2120.	4.199	62.20	83.74
Stddev	22.	294.	.	.083	.28	1.69
%RSD	.6222	.1571	.0068	1.979	.4479	2.012
#1	3585.	187100.	2120.	4.258	62.00	84.93
#2	3616.	187500.	2120.	4.140	62.40	82.55
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	1.668	-2.116	3836.	35.91	1454.	31.81
Stddev	.500	1.141	4.	.50	2.	.51
%RSD	29.99	53.95	.1131	1.397	.1147	1.618
#1	1.314	-1.308	3839.	35.56	1452.	31.45
#2	2.022	-2.923	3833.	36.27	1455.	32.17
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 5099627005_15863 Acquired: 6/24/2014 9:48:15 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	109.5	289.7	1016.	370.5	2380.
Stddev	2.9	.7	6.	.5	1.
%RSD	2.616	.2570	.6283	.1304	.0300

#1	107.5	290.2	1020.	370.8	2379.
#2	111.6	289.1	1011.	370.2	2380.

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	5962.5	46304.	13126.
Stddev	13.1	53.	33.
%RSD	.21963	.11496	.24992

#1	5953.2	46267.	13103.
#2	5971.7	46342.	13149.

Sample Name: CCV Acquired: 6/24/2014 9:50:21 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	490.4	10030.	1027.	1027.	1012.	993.6
%RSD	4.1	3.	2.	.	3.	.2
	.8357	.0346	.2002	.0022	.3431	.0166
#1	487.5	10030.	1028.	1027.	1014.	993.7
#2	493.3	10030.	1025.	1027.	1009.	993.4
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	10090.	1003.	1006.	989.7	985.1	10210.
%RSD	10.	1.	1.	4.5	2.0	13.
	.0952	.0871	.1147	.4574	.2081	.1279
#1	10100.	1003.	1006.	992.9	986.6	10200.
#2	10080.	1004.	1005.	986.5	983.7	10220.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range						

Sample Name: CCV Acquired: 6/24/2014 9:50:21 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	9903.	10160.	1015.	1042.	994.5	1006.
Stddev	35.	9.	.	4.	2.8	.
%RSD	.3498	.0873	.0120	.3887	.2830	.0167

#1	9879.	10150.	1016.	1045.	996.5	1006.
#2	9928.	10160.	1015.	1039.	992.5	1006.

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	1024.	1006.	4708.	1019.	1033.	998.8
Stddev	2.	.	20.	1.	1.	3.9
%RSD	.1963	.0104	.4246	.1089	.0610	.3869

#1	1025.	1006.	4694.	1018.	1033.	1002.
#2	1022.	1006.	4722.	1019.	1032.	996.1

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 6/24/2014 9:50:21 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	1047.	994.3	9941.	996.6	1033.
Stddev	2.	1.0	5.	2.9	2.
%RSD	.2341	.1055	.0495	.2931	.1702

#1	1049.	995.1	9944.	998.6	1034.
#2	1045.	993.6	9937.	994.5	1032.

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	6306.0	47150.	13168.
Stddev	5.9	146.	38.
%RSD	.09321	.30881	.29085

#1	6301.8	47047.	13141.
#2	6310.1	47253.	13195.

Sample Name: CCB Acquired: 6/24/2014 9:52:14 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	-.0888	6.950	2.296	1.438	.1238	.1666
Stddev	1.067	.539	.044	.848	.1081	.0931
%RSD	1202.	7.756	1.898	58.97	87.31	55.86
#1	-.8430	7.331	2.327	2.038	.0474	.1008
#2	.6655	6.569	2.265	.8383	.2003	.2324
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	1.856	-.0112	.0168	-3.265	3.692	31.33
Stddev	2.435	.0548	.1119	3.829	.035	3.12
%RSD	131.2	489.7	664.3	117.3	.9427	9.948
#1	.1339	-.0499	.0959	-5.972	3.667	33.54
#2	3.578	.0276	-.0623	-5.570	3.716	29.13
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 6/24/2014 9:52:14 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	40.77	8.662	-2839	8.572	-2245	-0852
Stddev	24.71	2.105	.0798	1.080	.3850	.2926
%RSD	60.61	24.30	28.11	12.59	171.5	343.5
#1	23.30	7.173	-.3403	7.808	.0478	-.2920
#2	58.24	10.15	-.2274	9.335	-.4967	.1217
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	2.191	-.4400	2.422	3.096	1.542	-.2018
Stddev	.507	.4455	1.902	.585	.102	1.494
%RSD	23.14	101.2	78.53	18.89	6.647	740.3
#1	1.832	-.7551	1.077	2.683	1.615	-1.258
#2	2.549	-.1250	3.767	3.510	1.470	.8546
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 6/24/2014 9:52:14 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	1.337	-1.172	25.43	.0428	-1.522
Stddev	.133	.026	4.90	.0413	.947
%RSD	9.931	2.191	19.28	96.42	62.21

#1	1.243	-1.154	28.90	.0721	-.8528
#2	1.430	-1.190	21.96	.0136	-2.192

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	6402.3	47865.	13284.
Stddev	20.4	9.	23.
%RSD	.31802	.01935	.17265

#1	6387.9	47872.	13268.
#2	6416.7	47859.	13300.

Sample Name: CRDL Acquired: 6/24/2014 9:54:21 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	8.058	208.8	10.60	113.9	10.62	4.269
Stddev	.758	.5	.97	.5	.10	.052
%RSD	9.405	.2401	9.162	.4639	.9434	1.226
#1	8.594	209.1	9.917	113.6	10.55	4.232
#2	7.522	208.4	11.29	114.3	10.69	4.306
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	1110.	2.156	9.985	9.949	12.45	123.9
Stddev	1.	.021	.400	4.368	2.66	3.6
%RSD	.0982	.9750	4.001	43.90	21.32	2.873
#1	1109.	2.142	9.702	6.861	14.33	126.4
#2	1111.	2.171	10.27	13.04	10.58	121.4
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CRDL Acquired: 6/24/2014 9:54:21 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	1122.	1097.	11.10	11.94	10.34	10.71
Stddev	13.	13.	.14	.32	.19	.63
%RSD	1.145	1.162	1.239	2.645	1.885	5.863
#1	1113.	1106.	11.00	11.72	10.47	10.27
#2	1132.	1088.	11.20	12.17	10.20	11.16
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	6.957	10.35	208.4	11.80	10.64	9.676
Stddev	2.343	2.00	7.2	.87	.05	.070
%RSD	33.68	19.28	3.467	7.370	.4907	.7198
#1	8.614	11.76	213.5	11.19	10.67	9.725
#2	5.301	8.935	203.3	12.42	10.60	9.627
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CRDL Acquired: 6/24/2014 9:54:21 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	11.27	20.67	1099.	10.06	1133.
Stddev	.16	.16	3.	.01	5.
%RSD	1.433	.7570	.2755	.1182	.4283
#1	11.15	20.78	1101.	10.07	1137.
#2	11.38	20.56	1097.	10.06	1130.
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	6467.7	48301.	13469.		
Stddev	5.6	138.	31.		
%RSD	.08726	.28487	.23202		
#1	6471.7	48203.	13492.		
#2	6463.7	48398.	13447.		

Sample Name: 5099627006_15863 Acquired: 6/24/2014 9:56:27 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	-2.471	20190.	97.60	20.46	74.47	.6167
Stddev	.897	95.	5.20	.85	.14	.0141
%RSD	36.29	.4690	5.332	4.133	.1856	2.283

#1	-3.106	20130.	93.92	21.06	74.37	.6068
#2	-1.837	20260.	101.3	19.86	74.57	.6267

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 460700.	.8375	29.02	46.20	138.2	102200.
Stddev	809.	.0451	.25	.89	1.0	433.
%RSD	.1755	5.387	.8750	1.917	.7495	.4239

#1	461300.	.8056	29.20	45.57	137.4	101900.
#2	460200.	.8694	28.84	46.82	138.9	102500.

Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	200000.					
Low Limit	-1000.					

Sample Name: 5099627006_15863 Acquired: 6/24/2014 9:56:27 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	2666.	136800.	1723.	7.197	66.46	115.1
Stddev	1.	299.	8.	.245	.19	.3
%RSD	.0189	.2186	.4361	3.405	.2926	.2499
#1	2666.	136600.	1717.	7.371	66.59	114.9
#2	2665.	137000.	1728.	7.024	66.32	115.3
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	-.7238	-3.171	3472.	43.37	1725.	34.10
Stddev	.2906	1.566	6.	.18	4.	.58
%RSD	40.15	49.40	.1757	.4038	.2094	1.713
#1	-.9292	-4.278	3468.	43.24	1723.	34.52
#2	-.5183	-2.063	3476.	43.49	1728.	33.69
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 5099627006_15863 Acquired: 6/24/2014 9:56:27 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	133.8	433.8	886.2	283.1	2046.
Stddev	.9	.7	14.6	.5	3.
%RSD	.6374	.1547	1.651	.1847	.1367

#1	133.2	433.3	875.8	282.7	2048.
#2	134.4	434.3	896.5	283.5	2044.

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	6128.3	47291.	13424.
Stddev	.6	199.	13.
%RSD	.00996	.42097	.09748

#1	6127.9	47150.	13433.
#2	6128.7	47432.	13415.

Sample Name: 5099627007_15863 Acquired: 6/24/2014 9:58:34 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	-3.784	24540.	28.91	26.70	72.14	.6790
Stddev	.259	44.	3.29	1.41	.27	.1267
%RSD	6.840	.1788	11.38	5.273	.3780	18.67
#1	-3.601	24510.	26.59	25.71	72.33	.7686
#2	-3.967	24570.	31.24	27.70	71.95	.5894
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 669000.	1.032	25.33	57.96	55.87	58910.
Stddev	213.	.213	.05	1.68	2.12	165.
%RSD	.0318	20.66	.2092	2.891	3.801	.2799
#1	668800.	1.183	25.30	59.14	54.37	58800.
#2	669100.	.8811	25.37	56.77	57.37	59030.
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	200000.					
Low Limit	-1000.					

Sample Name: 5099627007_15863 Acquired: 6/24/2014 9:58:34 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	3215.	212700.	1749.	2.827	60.39	32.57
Stddev	14.	442.	4.	.233	.45	1.98
%RSD	.4412	.2078	.2446	8.249	.7488	6.088
#1	3225.	212400.	1746.	2.992	60.07	31.17
#2	3205.	213000.	1752.	2.662	60.71	33.98
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	.0088	-1.527	3177.	36.47	1341.	28.70
Stddev	1.775	.232	.	.07	1.	.78
%RSD	20220.	15.21	.0058	.1911	.0400	2.731
#1	1.264	-1.691	3177.	36.42	1341.	28.15
#2	-1.246	-1.362	3177.	36.52	1341.	29.26
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 5099627007_15863 Acquired: 6/24/2014 9:58:34 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	98.01	182.3	1086.	379.1	1385.
Stddev	.76	.1	6.	.5	3.
%RSD	.7772	.0758	.5755	.1355	.2344

#1	97.48	182.2	1091.	379.5	1383.
#2	98.55	182.4	1082.	378.8	1387.

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	6013.7	46715.	13323.
Stddev	3.5	42.	41.
%RSD	.05774	.09077	.30952

#1	6016.2	46685.	13294.
#2	6011.3	46745.	13352.

Sample Name: 5099627008_15863 Acquired: 6/24/2014 10:00:40 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	-3.270	22360.	56.66	26.08	58.36	.4569
Stddev	.670	38.	.86	.86	.05	.0119
%RSD	20.49	.1709	1.518	3.306	.0926	2.599
#1	-2.796	22390.	57.27	25.47	58.40	.4485
#2	-3.743	22330.	56.05	26.69	58.32	.4653
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 535000.	.9666	33.12	59.93	109.2	91080.
Stddev	340.	.0060	.35	.18	5.6	53.
%RSD	.0636	.6182	1.051	.2953	5.173	.0577
#1	534700.	.9709	33.37	59.80	113.2	91040.
#2	535200.	.9624	32.88	60.05	105.2	91110.
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	200000.					
Low Limit	-1000.					

Sample Name: 5099627008_15863 Acquired: 6/24/2014 10:00:40 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	2840.	187000.	2118.	3.236	67.15	198.9
Stddev	7.	360.	.	.003	.55	1.2
%RSD	.2626	.1927	.0080	.0758	.8124	.6174

#1	2835.	186800.	2117.	3.237	66.76	199.8
#2	2846.	187300.	2118.	3.234	67.53	198.0

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	-.0516	-2.096	3409.	37.47	1924.	41.85
Stddev	1.054	3.257	9.	.95	4.	1.12
%RSD	2043.	155.4	.2613	2.535	.1913	2.676

#1	-.7972	-4.399	3402.	36.80	1922.	42.65
#2	.6940	.2077	3415.	38.14	1927.	41.06

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 5099627008_15863 Acquired: 6/24/2014 10:00:40 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	162.6	389.1	1002.	332.0	2746.
Stddev	.1	.4	1.	.3	1.
%RSD	.0875	.1108	.0765	.0936	.0255
#1	162.5	389.4	1001.	332.2	2747.
#2	162.7	388.8	1002.	331.8	2746.

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	6097.1	47313.	13413.
Stddev	7.9	91.	2.
%RSD	.12952	.19242	.01349
#1	6091.5	47378.	13414.
#2	6102.6	47249.	13412.

Sample Name: 5099627009_15863 Acquired: 6/24/2014 10:02:46 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	-6528	20840.	26.79	24.50	65.16	.4304
Stddev	.5027	63.	1.29	.01	.13	.0531
%RSD	77.01	.3013	4.796	.0501	.2033	12.34
#1	-1.008	20890.	27.70	24.50	65.25	.4679
#2	-.2973	20800.	25.88	24.51	65.07	.3928
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 601800.	.7377	23.34	40.70	55.30	54560.
Stddev	2368.	.0769	.12	1.85	1.11	79.
%RSD	.3935	10.42	.5222	4.547	2.004	.1439
#1	603500.	.6834	23.43	42.00	54.51	54610.
#2	600200.	.7921	23.25	39.39	56.08	54500.
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	200000.					
Low Limit	-1000.					

Sample Name: 5099627009_15863 Acquired: 6/24/2014 10:02:46 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	2626.	175800.	1790.	1.888	51.50	24.17
Stddev	5.	319.	1.	.049	.17	2.26
%RSD	.1928	.1812	.0741	2.602	.3262	9.334
#1	2629.	176000.	1791.	1.854	51.38	25.77
#2	2622.	175500.	1789.	1.923	51.62	22.58
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	-8343	-1.076	2840.	34.78	1483.	30.88
Stddev	.0575	3.051	25.	.87	3.	.39
%RSD	6.893	283.6	.8816	2.489	.2322	1.264
#1	-8749	-3.233	2858.	35.39	1486.	30.60
#2	-7936	1.082	2823.	34.17	1481.	31.15
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 5099627009_15863 Acquired: 6/24/2014 10:02:46 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	97.35	168.3	909.2	386.7	1774.
Stddev	.24	.0	4.5	.5	2.
%RSD	.2456	.0113	.4996	.1223	.1289

#1	97.18	168.3	912.4	387.0	1776.
#2	97.52	168.3	906.0	386.4	1773.

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	6100.1	47278.	13377.
Stddev	10.3	203.	33.
%RSD	.16807	.42955	.24990

#1	6092.9	47134.	13354.
#2	6107.4	47422.	13401.

Sample Name: 5099627010_15863 Acquired: 6/24/2014 10:04:52 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	-3.114	33690.	33.30	45.51	93.25	.8054
Stddev	.950	66.	.66	.29	.33	.0769
%RSD	30.51	.1949	1.982	.6424	.3488	9.552

#1	-2.442	33640.	33.77	45.31	93.48	.8599
#2	-3.786	33730.	32.84	45.72	93.02	.7510

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 916900.	.8290	33.96	66.80	68.46	71580.
Stddev	2059.	.1242	.09	.38	.95	188.
%RSD	.2246	14.99	.2794	.5689	1.391	.2622

#1	915500.	.9169	33.89	67.07	69.13	71440.
#2	918400.	.7412	34.03	66.53	67.78	71710.

Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	200000.					
Low Limit	-1000.					

Sample Name: 5099627010_15863 Acquired: 6/24/2014 10:04:52 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	4498.	272200.	2723.	1.886	78.83	39.38
Stddev	33.	447.	6.	.143	.63	.60
%RSD	.7298	.1642	.2040	7.585	.8016	1.534
#1	4475.	271900.	2720.	1.784	79.27	38.96
#2	4521.	272500.	2727.	1.987	78.38	39.81
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	.4024	-4.688	3793.	33.04	1846.	38.76
Stddev	2.077	2.807	12.	.48	5.	.73
%RSD	516.2	59.88	.3096	1.459	.2773	1.886
#1	1.871	-6.673	3785.	32.70	1843.	39.28
#2	-1.066	-2.703	3801.	33.38	1850.	38.25
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 5099627010_15863 Acquired: 6/24/2014 10:04:52 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	115.2	202.5	1316.	505.7	2302.
Stddev	1.1	.4	3.	.0	3.
%RSD	.9330	.1887	.2023	.0096	.1482

#1	114.4	202.7	1314.	505.7	2299.
#2	115.9	202.2	1318.	505.8	2304.

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	5990.9	47149.	13312.
Stddev	8.2	95.	26.
%RSD	.13760	.20250	.19406

#1	5985.1	47216.	13330.
#2	5996.7	47081.	13293.

Sample Name: 5099627011_15863 Acquired: 6/24/2014 10:06:59 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	-5.414	109800.	78.56	61.73	334.9	2.047
Stddev	.425	218.	1.85	.53	.3	.092
%RSD	7.856	.1984	2.356	.8520	.0802	4.495

#1	-5.715	109600.	79.87	62.10	335.1	2.112
#2	-5.114	109900.	77.26	61.36	334.8	1.982

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 586400.	1.209	72.40	182.3	205.0	222700.
Stddev	1516.	.030	.45	3.9	.1	140.
%RSD	.2585	2.459	.6236	2.117	.0509	.0629

#1	587400.	1.230	72.72	179.6	205.1	222800.
#2	585300.	1.188	72.08	185.0	205.0	222600.

Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	200000.					
Low Limit	-1000.					

Sample Name: 5099627011_15863 Acquired: 6/24/2014 10:06:59 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	11030.	415200.	6028.	3.266	188.9	229.0
Stddev	1.	294.	3.	.011	.9	.4
%RSD	.0095	.0708	.0553	.3212	.5021	.1937

#1	11030.	415400.	6031.	3.258	189.6	228.7
#2	11040.	415000.	6026.	3.273	188.2	229.3

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	.3377	-7.745	9434.	35.92	4580.	90.56
Stddev	.9154	.939	2.	.57	7.	1.87
%RSD	271.0	12.13	.0255	1.589	.1458	2.061

#1	-.3095	-8.409	9436.	36.32	4585.	91.88
#2	.9850	-7.081	9432.	35.52	4576.	89.24

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 5099627011_15863 Acquired: 6/24/2014 10:06:59 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	354.1	653.7	1978.	305.0	6835.
Stddev	2.1	.0	4.	.4	9.
%RSD	.5917	.0018	.1830	.1464	.1268

#1	355.6	653.7	1976.	305.3	6841.
#2	352.6	653.7	1981.	304.7	6829.

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	6359.0	49509.	14220.
Stddev	20.0	2.	65.
%RSD	.31414	.00305	.45725

#1	6344.9	49508.	14174.
#2	6373.2	49510.	14266.

Sample Name: 5099627012_15863 Acquired: 6/24/2014 10:09:04 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	-2.218	31620.	61.81	23.88	134.1	.9177
Stddev	6.343	65.	1.38	1.38	.2	.1097
%RSD	286.0	.2056	2.225	5.758	.1676	11.95
#1	2.268	31670.	62.78	22.91	134.2	.9952
#2	-6.703	31580.	60.83	24.85	133.9	.8401
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 468700.	1.615	33.64	61.07	129.7	112700.
Stddev	1856.	.160	.24	2.86	.4	20.
%RSD	.3959	9.878	.7154	4.687	.3292	.0175
#1	470000.	1.502	33.81	59.05	130.0	112700.
#2	467400.	1.728	33.47	63.10	129.4	112700.
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	200000.					
Low Limit	-1000.					

Sample Name: 5099627012_15863 Acquired: 6/24/2014 10:09:04 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	3411.	174900.	3299.	4.902	78.49	104.0
Stddev	4.	222.	1.	.348	.04	1.5
%RSD	.1248	.1270	.0219	7.094	.0552	1.428
#1	3414.	175100.	3299.	4.656	78.46	105.1
#2	3408.	174800.	3298.	5.148	78.52	103.0
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	.1414	-.8046	4656.	38.22	2358.	48.56
Stddev	.0435	1.984	22.	.66	2.	1.21
%RSD	30.77	246.5	.4773	1.729	.0698	2.494
#1	.1721	-2.207	4671.	37.75	2359.	49.42
#2	.1106	.5981	4640.	38.68	2357.	47.71
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 5099627012_15863 Acquired: 6/24/2014 10:09:04 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	179.0	490.7	1287.	247.3	2600.
Stddev	.8	3.0	9.	.5	10.
%RSD	.4445	.6109	.6733	.2134	.3825

#1	178.5	492.8	1281.	247.7	2607.
#2	179.6	488.6	1293.	247.0	2593.

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	6225.6	48178.	13768.
Stddev	9.0	292.	93.
%RSD	.14489	.60601	.67347

#1	6219.3	47971.	13702.
#2	6232.0	48384.	13833.

Sample Name: 5099627014_15863 Acquired: 6/24/2014 10:11:10 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	-2.637	22720.	30.49	23.27	60.25	.8624
Stddev	2.671	26.	.31	.77	.03	.0114
%RSD	101.3	.1139	1.007	3.325	.0456	1.328
#1	-0.7482	22700.	30.27	23.82	60.27	.8705
#2	-4.526	22740.	30.71	22.73	60.23	.8543
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 211200.	.4886	18.58	47.56	82.53	67890.
Stddev	669.	.0547	.07	1.00	.55	36.
%RSD	.3167	11.19	.3751	2.103	.6638	.0523
#1	210700.	.4499	18.53	48.27	82.92	67910.
#2	211600.	.5273	18.63	46.85	82.15	67860.
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	200000.					
Low Limit	-1000.					

Sample Name: 5099627014_15863 Acquired: 6/24/2014 10:11:10 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	3981.	102400.	1235.	3.267	56.96	54.45
Stddev	20.	90.	1.	.075	.66	.44
%RSD	.5057	.0883	.0617	2.292	1.158	.8076
#1	3966.	102400.	1235.	3.214	57.43	54.76
#2	3995.	102500.	1234.	3.320	56.49	54.14
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	-4287	-1.847	3723.	32.87	1382.	28.11
Stddev	.4972	.689	5.	.56	1.	.22
%RSD	116.0	37.31	.1284	1.700	.0515	.7963
#1	-.0771	-2.334	3720.	33.26	1382.	27.95
#2	-.7802	-1.360	3727.	32.47	1381.	28.27
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 5099627014_15863 Acquired: 6/24/2014 10:11:10 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	107.9	270.5	754.6	113.0	2248.
Stddev	.4	.4	3.6	.1	.
%RSD	.4085	.1448	.4805	.1109	.0016

#1	107.5	270.8	752.1	113.1	2248.
#2	108.2	270.2	757.2	113.0	2248.

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	6363.3	48708.	13830.
Stddev	2.3	61.	35.
%RSD	.03664	.12487	.25330

#1	6361.6	48751.	13806.
#2	6364.9	48665.	13855.

Sample Name: 5099627015_15863 Acquired: 6/24/2014 10:13:16 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	-3.574	192100.	91.35	40.60	1199.	6.010
Stddev	1.847	210.	.63	.67	3.	.016
%RSD	51.67	.1092	.6863	1.654	.2196	.2589
#1	-4.880	192200.	91.79	41.07	1197.	6.021
#2	-2.268	191900.	90.90	40.12	1201.	5.999
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	14210.	.4769	201.1	196.0	129.5	218000.
Stddev	12.	.0651	.3	1.8	3.8	258.
%RSD	.0866	13.65	.1623	.9157	2.943	.1181
#1	14200.	.4309	201.3	194.7	126.8	217800.
#2	14210.	.5229	200.8	197.3	132.2	218200.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 5099627015_15863 Acquired: 6/24/2014 10:13:16 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	12330.	25830.	8411.	5.158	180.3	170.9
Stddev	15.	28.	8.	.424	.1	.8
%RSD	.1184	.1089	.0928	8.223	.0588	.4534
#1	12320.	25810.	8405.	5.458	180.2	171.5
#2	12340.	25850.	8416.	4.858	180.3	170.4
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	.5495	-4.487	11740.	37.26	3098.	62.17
Stddev	4.641	3.606	.	.13	2.	1.16
%RSD	844.5	80.38	.0021	.3609	.0552	1.870
#1	3.831	-7.037	11740.	37.16	3097.	61.35
#2	-2.732	-1.936	11740.	37.35	3099.	62.99
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 5099627015_15863 Acquired: 6/24/2014 10:13:16 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	456.8	499.2	1510.	111.0	4823.
Stddev	.6	.4	.	.0	11.
%RSD	.1304	.0711	.0112	.0389	.2243

#1	456.4	498.9	1510.	110.9	4830.
#2	457.2	499.4	1510.	111.0	4815.

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	6725.5	50552.	14424.
Stddev	10.4	163.	57.
%RSD	.15471	.32182	.39524

#1	6718.2	50437.	14383.
#2	6732.9	50667.	14464.

Sample Name: 5099627016_15863 Acquired: 6/24/2014 10:15:15 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	-2.287	62840.	173.3	98.08	272.0	2.917
Stddev	3.040	82.	2.1	2.01	.0	.034
%RSD	132.9	.1311	1.222	2.049	.0057	1.151
#1	-.1376	62790.	174.8	96.66	272.0	2.893
#2	-4.436	62900.	171.8	99.50	272.0	2.941
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 1174000.	2.162	65.70	157.0	279.0	354100.
Stddev	7089.	.072	.75	6.7	.7	1495.
%RSD	.6036	3.326	1.147	4.252	.2489	.4221
#1	1169000.	2.111	66.23	152.3	278.6	353100.
#2	1179000.	2.213	65.16	161.7	279.5	355200.
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	200000.					
Low Limit	-1000.					

Sample Name: 5099627016_15863 Acquired: 6/24/2014 10:15:15 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	9841.	F 801300.	8681.	16.15	147.5	326.2
Stddev	43.	730.	35.	.11	.2	.8
%RSD	.4402	.0911	.3996	.6853	.1545	.2473

#1	9810.	800800.	8656.	16.22	147.7	326.8
#2	9871.	801800.	8705.	16.07	147.4	325.6

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	2.322	F -10.58	7485.	35.78	2784.	56.74
Stddev	.455	3.33	22.	1.36	5.	1.30
%RSD	19.59	31.50	.2912	3.813	.1949	2.289

#1	2.644	-12.94	7470.	36.75	2780.	55.82
#2	2.001	-8.225	7500.	34.82	2788.	57.66

Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		50000.				
Low Limit		-10.00				

Sample Name: 5099627016_15863 Acquired: 6/24/2014 10:15:15 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	342.8	841.6	3120.	669.8	15380.
Stddev	.6	.3	14.	.1	10.
%RSD	.1707	.0331	.4333	.0189	.0634
#1	342.4	841.8	3111.	669.9	15390.
#2	343.2	841.4	3130.	669.7	15370.

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	6181.4	49598.	14139.
Stddev	2.9	111.	10.
%RSD	.04740	.22429	.06961
#1	6179.4	49677.	14146.
#2	6183.5	49519.	14132.

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 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	470.0	9703.	997.7	996.7	974.3	952.9
Stddev	2.2	10.	.4	3.7	.7	2.7
%RSD	.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 ? 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_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	9786.	971.3	972.3	949.4	945.7	9952.
Stddev	14.	.2	1.2	2.5	8.2	59.
%RSD	.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 ? Value Range	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass

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	-2.519	8.210	-1.348	.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	-4.152	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: 5099627017_15863 Acquired: 6/24/2014 10:21:26 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	-4.257	36480.	59.69	39.00	122.4	1.023
Stddev	3.361	2.	1.30	1.26	.4	.006
%RSD	78.95	.0042	2.177	3.239	.3113	.5813
#1	-1.880	36480.	60.61	39.89	122.2	1.027
#2	-6.633	36480.	58.77	38.11	122.7	1.019
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 730400.	.9762	53.23	89.54	107.2	97950.
Stddev	1144.	.1292	.05	1.29	.6	45.
%RSD	.1566	13.23	.0982	1.446	.5827	.0459
#1	729600.	.8849	53.27	88.63	107.6	97920.
#2	731300.	1.068	53.19	90.46	106.7	97980.
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	200000.					
Low Limit	-1000.					

Sample Name: 5099627017_15863 Acquired: 6/24/2014 10:21:26 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	5098.	206700.	3808.	6.369	170.3	95.35
Stddev	96.	136.	5.	.185	.1	.82
%RSD	1.886	.0656	.1292	2.897	.0387	.8645

#1	5030.	206600.	3804.	6.238	170.4	94.77
#2	5166.	206800.	3811.	6.499	170.3	95.94

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	.8755	-2.453	4347.	37.12	2038.	41.84
Stddev	.0920	1.629	7.	1.91	.	.66
%RSD	10.51	66.40	.1510	5.150	.0228	1.570

#1	.9406	-1.301	4342.	35.77	2038.	41.37
#2	.8105	-3.604	4352.	38.47	2038.	42.30

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 5099627017_15863 Acquired: 6/24/2014 10:21:26 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	156.2	295.5	1693.	482.5	2449.
Stddev	3.0	.5	3.	1.7	9.
%RSD	1.903	.1676	.1491	.3603	.3826

#1	158.3	295.9	1695.	481.2	2456.
#2	154.1	295.2	1691.	483.7	2442.

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	6038.8	47002.	13395.
Stddev	6.7	82.	38.
%RSD	.11134	.17400	.28254

#1	6034.0	46944.	13422.
#2	6043.5	47060.	13368.

Sample Name: 5099627018_15863 Acquired: 6/24/2014 10:23:32 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	-9126	22980.	35.67	24.44	77.31	.4360
Stddev	3.743	75.	.97	.42	.43	.0276
%RSD	410.1	.3283	2.710	1.710	.5549	6.332
#1	-3.559	23030.	34.99	24.15	77.62	.4555
#2	1.734	22930.	36.36	24.74	77.01	.4165
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 518000.	.6482	26.52	51.17	67.26	64420.
Stddev	163.	.0880	.34	3.89	1.25	91.
%RSD	.0314	13.58	1.298	7.597	1.856	.1412
#1	518100.	.7104	26.76	53.92	66.38	64480.
#2	517900.	.5860	26.28	48.42	68.15	64360.
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	200000.					
Low Limit	-1000.					

Sample Name: 5099627018_15863 Acquired: 6/24/2014 10:23:32 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	3147.	168700.	1797.	2.916	57.20	59.07
Stddev	21.	200.	1.	.123	.09	1.93
%RSD	.6600	.1185	.0527	4.214	.1642	3.268
#1	3132.	168800.	1798.	3.003	57.27	60.44
#2	3161.	168600.	1796.	2.829	57.14	57.71
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	-.5476	.9881	2951.	35.22	1795.	38.72
Stddev	.6820	.0253	9.	1.08	4.	.84
%RSD	124.5	2.562	.3124	3.070	.2053	2.157
#1	-.0653	1.006	2958.	35.99	1798.	38.12
#2	-1.030	.9702	2945.	34.46	1793.	39.31
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 5099627018_15863 Acquired: 6/24/2014 10:23:32 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	129.1	198.5	959.0	314.8	1965.
Stddev	1.5	.5	7.7	.5	2.
%RSD	1.133	.2289	.7981	.1562	.1168
#1	128.1	198.8	964.4	315.2	1963.
#2	130.2	198.1	953.5	314.5	1967.

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	6109.3	47360.	13359.
Stddev	5.3	75.	70.
%RSD	.08672	.15767	.52348
#1	6113.1	47307.	13309.
#2	6105.6	47413.	13408.

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	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	467.1	9745.	1002.	1006.	977.1	956.8
%RSD	1.0	41.	2.	.	.6	5.5
	.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	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.	977.0	979.6	972.6	949.7	9975.
%RSD	7.	.7	.4	13.2	5.3	68.
	.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: 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.

Batch Information: MPRP 13625

Prep Method	EPA 3050
Solid Matrix Lot	56184
Correction Factor (C)	-0.5
Digestion Vessel Lot	69959

Analysis Method	EPA 6010
Instrument	50BAL3
Corrected Temp. (C)	93.5
Batch Notes	70437 filtermate


Template Version: EF-IN-I-318(rev.00, 30Nov2011)

Extracted By	phb
Block ID	4
Acceptance Range:	95+/-3 C
Reviewed By	FRW

Extracted By Date	06/21/2014 10:44:42:752
Block Temp (C)	94
Thermometer ID	PT-189
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	1115641	Solid	1	69701 (5)	70782 (4)	63037 (5)	50			
6010 S_P	LCS	1115642	Solid	1	69701 (5)	70782 (4)	63037 (5)	50			71131 (1)
6010 S_P	PS	5099609005	Solid	1.077	69701 (5)	70782 (4)	63037 (5)	50			
6010 S_P	PS	5099609006	Solid	1.026	69701 (5)	70782 (4)	63037 (5)	50			
6010 S_P	PS	5099627001	Solid	1.128	69701 (5)	70782 (4)	63037 (5)	50			
6010 S_P	MS	1115643	Solid	1.062	69701 (5)	70782 (4)	63037 (5)	50			71131 (1)
6010 S_P	MSD	1115644	Solid	1.108	69701 (5)	70782 (4)	63037 (5)	50			71131 (1)
6010 S_P	PS	5099627002	Solid	1.096	69701 (5)	70782 (4)	63037 (5)	50			
6010 S_P	PS	5099627003	Solid	1.062	69701 (5)	70782 (4)	63037 (5)	50			
6010 S_P	PS	5099627004	Solid	1.011	69701 (5)	70782 (4)	63037 (5)	50			
6010 S_P	PS	5099627005	Solid	1.154	69701 (5)	70782 (4)	63037 (5)	50			
6010 S_P	PS	5099627006	Solid	1.044	69701 (5)	70782 (4)	63037 (5)	50			
6010 S_P	PS	5099627007	Solid	1.149	69701 (5)	70782 (4)	63037 (5)	50			
6010 S_P	PS	5099627008	Solid	1.138	69701 (5)	70782 (4)	63037 (5)	50			
6010 S_P	PS	5099627009	Solid	1.179	69701 (5)	70782 (4)	63037 (5)	50			
6010 S_P	PS	5099627010	Solid	1.131	69701 (5)	70782 (4)	63037 (5)	50			
6010 S_P	PS	5099627011	Solid	1.070	69701 (5)	70782 (4)	63037 (5)	50			
6010 S_P	PS	5099627012	Solid	1.165	69701 (5)	70782 (4)	63037 (5)	50			
6010 S_P	PS	5099627014	Solid	1.107	69701 (5)	70782 (4)	63037 (5)	50			
6010 S_P	PS	5099627015	Solid	1.169	69701 (5)	70782 (4)	63037 (5)	50			
6010 S_P	PS	5099627016	Solid	1.126	69701 (5)	70782 (4)	63037 (5)	50			
6010 S_P	PS	5099627017	Solid	1.138	69701 (5)	70782 (4)	63037 (5)	50			



Prep Log Report

QC Rule	Sample Type	Lab Sample ID	Matrix	Initial Weight (g)	1:1 HNO ₃ (mL)	H ₂ O ₂ (mL)	Conc. HCL (mL)	Final Volume (mL)	Due Date	Sample Notes	6010-SPK (mL)
6010 S_P	PS	5099627018	Solid	1.127	69701 (5)	70782 (4)	63037 (5)	50			

Standard Notes:

71131: ICP-SPK

FORM I INORGANIC-1
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

P-8 (6-8)

Lab Name: Pace Analytical - Indiana SDG No. : 5099627 Contract: Sibley - Accucast
Lab Sample ID: 5099627001 Percent Moisture: _____

CAS No.	Analyte	Concentration	Q	Units	DF	Analysis Date/Time
	Percent Moisture	9.9		%	1	06/26/2014 09:26

FORM I INORGANIC-1
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

TMW-7 (8-10)

Lab Name: Pace Analytical - Indiana SDG No. : 5099627 Contract: Sibley - Accucast
Lab Sample ID: 5099627002 Percent Moisture: _____

CAS No.	Analyte	Concentration	Q	Units	DF	Analysis Date/Time
	Percent Moisture	15.5		%	1	06/26/2014 09:26

FORM I INORGANIC-1
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

P-8 (16-18)

Lab Name: Pace Analytical - Indiana SDG No. : 5099627 Contract: Sibley - Accucast
Lab Sample ID: 5099627003 Percent Moisture: _____

CAS No.	Analyte	Concentration	Q	Units	DF	Analysis Date/Time
	Percent Moisture	16.0		%	1	06/26/2014 09:26

FORM I INORGANIC-1
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

P-4 (16-18)

Lab Name: Pace Analytical - Indiana SDG No. : 5099627 Contract: Sibley - Accucast
Lab Sample ID: 5099627004 Percent Moisture: _____

CAS No.	Analyte	Concentration	Q	Units	DF	Analysis Date/Time
	Percent Moisture	16.0		%	1	06/26/2014 09:26

FORM I INORGANIC-1
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

TMW-9 (3-5)

Lab Name: Pace Analytical - Indiana SDG No. : 5099627 Contract: Sibley - Accucast
Lab Sample ID: 5099627005 Percent Moisture: _____

CAS No.	Analyte	Concentration	Q	Units	DF	Analysis Date/Time
	Percent Moisture	17.0		%	1	06/26/2014 09:26

FORM I INORGANIC-1
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.
TMW-3 (15-16)

Lab Name: Pace Analytical - Indiana SDG No. : 5099627 Contract: Sibley - Accucast
Lab Sample ID: 5099627006 Percent Moisture: _____

CAS No.	Analyte	Concentration	Q	Units	DF	Analysis Date/Time
	Percent Moisture	14.3		%	1	06/26/2014 09:27

FORM I INORGANIC-1
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.
TMW-9 (16-18)

Lab Name: Pace Analytical - Indiana SDG No. : 5099627 Contract: Sibley - Accucast
Lab Sample ID: 5099627007 Percent Moisture: _____

CAS No.	Analyte	Concentration	Q	Units	DF	Analysis Date/Time
	Percent Moisture	14.6		%	1	06/26/2014 09:43

FORM I INORGANIC-1
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

P-7 (13-15)

Lab Name: Pace Analytical - Indiana SDG No. : 5099627 Contract: Sibley - Accucast
Lab Sample ID: 5099627008 Percent Moisture: _____

CAS No.	Analyte	Concentration	Q	Units	DF	Analysis Date/Time
	Percent Moisture	15.7		%	1	06/26/2014 09:43

FORM I INORGANIC-1
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

P-3 (16-18)

Lab Name: Pace Analytical - Indiana SDG No. : 5099627 Contract: Sibley - Accucast
Lab Sample ID: 5099627009 Percent Moisture: _____

CAS No.	Analyte	Concentration	Q	Units	DF	Analysis Date/Time
	Percent Moisture	16.6		%	1	06/26/2014 09:43

FORM I INORGANIC-1
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.
TMW-7 (14-16)

Lab Name: Pace Analytical - Indiana SDG No. : 5099627 Contract: Sibley - Accucast
Lab Sample ID: 5099627010 Percent Moisture: _____

CAS No.	Analyte	Concentration	Q	Units	DF	Analysis Date/Time
	Percent Moisture	14.2		%	1	06/26/2014 09:43

FORM I INORGANIC-1
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

P-4 (5-7)

Lab Name: Pace Analytical - Indiana SDG No. : 5099627 Contract: Sibley - Accucast
Lab Sample ID: 5099627011 Percent Moisture: _____

CAS No.	Analyte	Concentration	Q	Units	DF	Analysis Date/Time
	Percent Moisture	9.2		%	1	06/26/2014 09:43

FORM I INORGANIC-1
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

P-7 (5-7)

Lab Name: Pace Analytical - Indiana SDG No. : 5099627 Contract: Sibley - Accucast
Lab Sample ID: 5099627012 Percent Moisture: _____

CAS No.	Analyte	Concentration	Q	Units	DF	Analysis Date/Time
	Percent Moisture	14.5		%	1	06/26/2014 09:44

FORM I INORGANIC-1
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

TMW-3 (8-9)

Lab Name: Pace Analytical - Indiana SDG No. : 5099627 Contract: Sibley - Accucast
Lab Sample ID: 5099627014 Percent Moisture: _____

CAS No.	Analyte	Concentration	Q	Units	DF	Analysis Date/Time
	Percent Moisture	5.6		%	1	06/26/2014 09:44

FORM I INORGANIC-1
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

P-9 (2-4)

Lab Name: Pace Analytical - Indiana SDG No. : 5099627 Contract: Sibley - Accucast
Lab Sample ID: 5099627015 Percent Moisture: _____

CAS No.	Analyte	Concentration	Q	Units	DF	Analysis Date/Time
	Percent Moisture	18.7		%	1	06/26/2014 09:44

FORM I INORGANIC-1
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

P-3 (8-10)

Lab Name: Pace Analytical - Indiana SDG No. : 5099627 Contract: Sibley - Accucast
Lab Sample ID: 5099627016 Percent Moisture: _____

CAS No.	Analyte	Concentration	Q	Units	DF	Analysis Date/Time
	Percent Moisture	13.3		%	1	06/26/2014 09:44

FORM I INORGANIC-1
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

P-9 (13-15)

Lab Name: Pace Analytical - Indiana SDG No. : 5099627 Contract: Sibley - Accucast
Lab Sample ID: 5099627017 Percent Moisture: _____

CAS No.	Analyte	Concentration	Q	Units	DF	Analysis Date/Time
	Percent Moisture	14.8		%	1	06/26/2014 09:44

FORM I INORGANIC-1
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

Surf-Dupe

Lab Name: Pace Analytical - Indiana SDG No. : 5099627 Contract: Sibley - Accucast
Lab Sample ID: 5099627018 Percent Moisture: _____

CAS No.	Analyte	Concentration	Q	Units	DF	Analysis Date/Time
	Percent Moisture	18.0		%	1	06/26/2014 09:44

FORM VI INORGANIC-1
DUPLICATES

SAMPLE NO.

1117967DUP

Lab Name: Pace Analytical - Indiana SDG No. : 5099627 Contract: Sibley - Accucast

Matrix: Solid Concentration Units: %

Percent Moisture: _____ Basis: Wet

Analyte	Control Limit	Sample	Duplicate	RPD
Percent Moisture	5	2.2	1.8	18*

* RPD outside QC Limits

07/17/2014 09:26

FORM VI INORGANIC-2
DUPLICATES

SAMPLE NO.

1117968DUP

Lab Name: Pace Analytical - Indiana SDG No. : 5099627 Contract: Sibley - Accucast

Matrix: Solid Concentration Units: %

Percent Moisture: _____ Basis: Wet

Analyte	Control Limit	Sample	Duplicate	RPD
Percent Moisture	5	14.3	14.1	2

FORM VI INORGANIC-1
DUPLICATES

SAMPLE NO.

1117969DUP

Lab Name: Pace Analytical - Indiana SDG No. : 5099627 Contract: Sibley - Accucast

Matrix: Solid Concentration Units: %

Percent Moisture: _____ Basis: Wet

Analyte	Control Limit	Sample	Duplicate	RPD
Percent Moisture	5	14.6	13.7	6*

* RPD outside QC Limits

07/17/2014 09:26

FORM VI INORGANIC-2
DUPLICATES

SAMPLE NO.

1117970DUP

Lab Name: Pace Analytical - Indiana SDG No. : 5099627 Contract: Sibley - Accucast

Matrix: Solid Concentration Units: %

Percent Moisture: _____ Basis: Wet

Analyte	Control Limit	Sample	Duplicate	RPD
Percent Moisture	5	14.1	14.4	2

FORM XII INORGANIC-1
PREPARATION LOG

Lab Name: Pace Analytical - Indiana SDG No. : 5099627 Contract: Sibley - Accucast

Preparation Method: ASTM D2974-87 Batch: PMST 9612

Lab Sample ID	Sample Name	Preparation Date	Initial Volume (mL)	Final Volume (mL)
1117967	1117967DUP	06/26/2014	1	1
1117968	1117968DUP	06/26/2014	1	1
5099627001	P-8 (6-8)	06/26/2014	1	1
5099627002	TMW-7 (8-10)	06/26/2014	1	1
5099627003	P-8 (16-18)	06/26/2014	1	1
5099627004	P-4 (16-18)	06/26/2014	1	1
5099627005	TMW-9 (3-5)	06/26/2014	1	1
5099627006	TMW-3 (15-16)	06/26/2014	1	1

FORM XII INORGANIC-1
PREPARATION LOG

Lab Name: Pace Analytical - Indiana SDG No. : 5099627 Contract: Sibley - Accucast

Preparation Method: ASTM D2974-87 Batch: PMST 9613

Lab Sample ID	Sample Name	Preparation Date	Initial Volume (mL)	Final Volume (mL)
1117969	1117969DUP	06/26/2014	1	1
1117970	1117970DUP	06/26/2014	1	1
5099627007	TMW-9 (16-18)	06/26/2014	1	1
5099627008	P-7 (13-15)	06/26/2014	1	1
5099627009	P-3 (16-18)	06/26/2014	1	1
5099627010	TMW-7 (14-16)	06/26/2014	1	1
5099627011	P-4 (5-7)	06/26/2014	1	1
5099627012	P-7 (5-7)	06/26/2014	1	1
5099627014	TMW-3 (8-9)	06/26/2014	1	1
5099627015	P-9 (2-4)	06/26/2014	1	1
5099627016	P-3 (8-10)	06/26/2014	1	1
5099627017	P-9 (13-15)	06/26/2014	1	1
5099627018	Surf-Dupe	06/26/2014	1	1

FORM XIII INORGANIC-1
ANALYSIS RUN LOG

Lab Name: Pace Analytical - Indiana SDG No. : 5099627 Contract: Sibley - Accucast

Instrument ID: 50BAL4 Analysis Method: ASTM D2974-87

Start Date: 06/26/2014 09:24 End Date: 06/26/2014 09:46

Sample Name	Lab Sample ID	D/F	Date	Time	MO IST
5099874001	5099874001	1	06/26/2014	09:24	X
1117967DUP	1117967	1	06/26/2014	09:24	X
P-8 (6-8)	5099627001	1	06/26/2014	09:26	X
TMW-7 (8-10)	5099627002	1	06/26/2014	09:26	X
P-8 (16-18)	5099627003	1	06/26/2014	09:26	X
P-4 (16-18)	5099627004	1	06/26/2014	09:26	X
TMW-9 (3-5)	5099627005	1	06/26/2014	09:26	X
TMW-3 (15-16)	5099627006	1	06/26/2014	09:27	X
1117968DUP	1117968	1	06/26/2014	09:27	X
TMW-9 (16-18)	5099627007	1	06/26/2014	09:43	X
1117969DUP	1117969	1	06/26/2014	09:43	X
P-7 (13-15)	5099627008	1	06/26/2014	09:43	X
P-3 (16-18)	5099627009	1	06/26/2014	09:43	X
TMW-7 (14-16)	5099627010	1	06/26/2014	09:43	X
P-4 (5-7)	5099627011	1	06/26/2014	09:43	X
P-7 (5-7)	5099627012	1	06/26/2014	09:44	X
TMW-3 (8-9)	5099627014	1	06/26/2014	09:44	X
P-9 (2-4)	5099627015	1	06/26/2014	09:44	X
P-3 (8-10)	5099627016	1	06/26/2014	09:44	X
P-9 (13-15)	5099627017	1	06/26/2014	09:44	X
Surf-Dupe	5099627018	1	06/26/2014	09:44	X
5099642009	5099642009	1	06/26/2014	09:46	X
1117970DUP	1117970	1	06/26/2014	09:46	X

Batch Information: PMST 9613

Template Version: EF-IN-Q-337-Rev.00 (21 Jan 2013) Percent Moisture

Analysis Method	ASTM D2974-87	Analyzed By	SLB	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 09:59 SLB	Oven Temp Out1 Corr Date/Time Init	103.2 103.0 06/27/2014 09:09 SLB
Batch Notes		Reviewed By	DDM	Reviewed By Date	06/27/2014 12:10		

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		5099627007	Y	85.39	14.61	06/26/2014 09:43:28	24.472	0.973	28.492	24.472	M	231	
DRY WEIGHT DUP		1117969	Y	86.29	13.71	06/26/2014 09:43:35	26.267	0.982	30.286	26.267	M	232	
DRY WEIGHT PS		5099627008	Y	84.27	15.73	06/26/2014 09:43:41	20.476	0.98	24.115	20.476	M	233	
DRY WEIGHT PS		5099627009	Y	83.44	16.56	06/26/2014 09:43:47	18.572	1.001	22.059	18.572	M	234	
DRY WEIGHT PS		5099627010	Y	85.84	14.16	06/26/2014 09:43:53	27.144	0.987	31.46	27.144	M	235	
DRY WEIGHT PS		5099627011	Y	90.80	9.204	06/26/2014 09:43:59	16.823	1.029	18.424	16.823	M	236	
DRY WEIGHT PS		5099627012	Y	85.51	14.49	06/26/2014 09:44:06	22.524	1.015	26.169	22.524	M	237	
DRY WEIGHT PS		5099627014	Y	94.43	5.571	06/26/2014 09:44:12	16.91	0.994	17.849	16.91	M	238	
DRY WEIGHT PS		5099627015	Y	81.33	18.67	06/26/2014 09:44:18	23.26	0.999	28.369	23.26	M	239	
DRY WEIGHT PS		5099627016	Y	86.69	13.31	06/26/2014 09:44:24	33.742	1.007	38.768	33.742	M	240	
DRY WEIGHT PS		5099627017	Y	85.23	14.77	06/26/2014 09:44:31	30.44	0.999	35.541	30.44	M	241	
DRY WEIGHT PS		5099627018	Y	82.04	17.96	06/26/2014 09:44:37	28.811	0.98	34.903	28.811	M	242	
DRY WEIGHT PS		5099642001	Y	74.23	25.77	06/26/2014 09:44:42	14.799	1.004	19.589	14.799	M	243	
DRY WEIGHT PS		5099642002	Y	80.59	19.41	06/26/2014 09:44:48	17.025	1.008	20.883	17.025	M	244	
DRY WEIGHT PS		5099642003	Y	76.79	23.21	06/26/2014 09:44:54	17.316	1.031	22.239	17.316	M	245	
DRY WEIGHT PS		5099642004	Y	80.65	19.35	06/26/2014 09:45:00	16.151	0.987	19.79	16.151	M	246	
DRY WEIGHT PS		5099642005	Y	85.72	14.28	06/26/2014 09:45:33	17.865	0.978	20.678	17.865	M	247	
DRY WEIGHT PS		5099642006	Y	84.28	15.72	06/26/2014 09:45:39	15.994	1.028	18.785	15.994	M	248	

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		5099642007	Y	88.90	11.10	06/26/2014 09:45:44	17.591	1.032	19.659	17.591	M	249	
DRY WEIGHT PS		5099642008	Y	73.79	26.21	06/26/2014 09:45:53	13.312	1.034	17.674	13.312	M	250	
DRY WEIGHT PS		5099642009	Y	85.93	14.07	06/26/2014 09:46:01	20.299	1.012	23.458	20.299	M	251	
DRY WEIGHT DUP		1117970	Y	85.63	14.37	06/26/2014 09:46:07	15.223	0.999	17.61	15.223	M	252	

Batch Information: PMST 9612

Template Version: EF-IN-Q-337-Rev.00 (21 Jan 2013) Percent Moisture

Analysis Method	ASTM D2974-87	Analyzed By	SLB	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 09:41 SLB	Oven Temp Out1 Corr Date/Time Init	103.2 103.0 06/27/2014 08:45 SLB
Batch Notes		Reviewed By	DDM	Reviewed By Date	06/27/2014 12:10		

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 (g)	Dry Weight 1	Dry Wt Use 1	ID	Sample Notes
DRY WEIGHT PS		5099874001	Y	97.83	2.170	06/26/2014 09:24:48	2.623	1	2.659	2.623	M	81	1*
DRY WEIGHT DUP		1117967	Y	98.19	1.814	06/26/2014 09:24:55	2.935	1.041	2.97	2.935	M	82	1*
DRY WEIGHT PS		5099836007	Y	83.65	16.35	06/26/2014 09:25:01	7.026	1.023	8.199	7.026	M	83	
DRY WEIGHT PS		5099836008	Y	76.11	23.89	06/26/2014 09:25:07	5.728	1.026	7.204	5.728	M	84	
DRY WEIGHT PS		5099836009	Y	82.47	17.53	06/26/2014 09:25:14	6.907	1.017	8.159	6.907	M	85	
DRY WEIGHT PS		5099836010	Y	85.51	14.49	06/26/2014 09:25:20	6.708	0.997	7.676	6.708	M	86	
DRY WEIGHT PS		5099836011	Y	83.82	16.18	06/26/2014 09:25:26	6.946	1.049	8.084	6.946	M	87	
DRY WEIGHT PS		5099836012	Y	80.20	19.80	06/26/2014 09:25:32	6.198	1.009	7.479	6.198	M	88	
DRY WEIGHT PS		5099836013	Y	78.24	21.76	06/26/2014 09:25:43	5.97	1.001	7.352	5.97	M	89	
DRY WEIGHT PS		5099609001	Y	77.65	22.35	06/26/2014 09:25:50	11.427	1.011	14.425	11.427	M	90	
DRY WEIGHT PS		5099609002	Y	87.66	12.34	06/26/2014 09:25:57	11.965	1.027	13.505	11.965	M	91	
DRY WEIGHT PS		5099609003	Y	82.84	17.16	06/26/2014 09:26:03	11.749	1.035	13.968	11.749	M	92	
DRY WEIGHT PS		5099609004	Y	88.93	11.07	06/26/2014 09:26:09	13.651	1.042	15.221	13.651	M	93	
DRY WEIGHT PS		5099609005	Y	80.38	19.62	06/26/2014 09:26:16	12.41	1.035	15.186	12.41	M	94	
DRY WEIGHT PS		5099609006	Y	80.40	19.60	06/26/2014 09:26:23	12.247	1.025	14.982	12.247	M	95	
DRY WEIGHT PS		5099627001	Y	90.07	9.931	06/26/2014 09:26:30	19.12	1.035	21.114	19.12	M	96	
DRY WEIGHT PS		5099627002	Y	84.47	15.53	06/26/2014 09:26:36	20.767	0.992	24.404	20.767	M	97	
DRY WEIGHT PS		5099627003	Y	83.97	16.03	06/26/2014 09:26:43	23.078	1.004	27.291	23.078	M	98	

QC Rule	Sample Type	Lab Sample ID	Select	TS Posted (%)	Percent Moisture	Run Date/Time	Posted Dry Weight fw Dish (g)	Dish Weight (g)	Wet Weight fw Dish (g)	Dry Weight 1	Dry Wt Use 1	ID	Sample Notes
DRY WEIGHT PS		5099627004	Y	83.99	16.01	06/26/2014 09:26:49	21.539	0.997	25.456	21.539	M	99	
DRY WEIGHT PS		5099627005	Y	82.95	17.05	06/26/2014 09:26:55	21.044	1.03	25.157	21.044	M	100	
DRY WEIGHT PS		5099627006	Y	85.65	14.35	06/26/2014 09:27:02	21.907	1.015	25.407	21.907	M	101	
DRY WEIGHT DUP		1117968	Y	85.93	14.07	06/26/2014 09:27:16	25.065	1.009	29.003	25.065	M	102	

Sample Notes:

1*: Sample looks like tape